

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5429                | 5259 | 5459 | 5254 | 5518 |
|    |        |   |     |     |   | 5633                | 5341 | 5376 | 5367 | 5252 |
|    |        |   |     |     |   | 5479                | 5404 | 5481 | 5441 | 5471 |
|    |        |   |     |     |   | 5603                | 5559 | 5325 | 5371 | 5655 |
|    |        |   |     |     |   | 5612                | 5337 | 5577 | 5412 | 5588 |
|    |        |   |     |     |   | 5595                | 5653 | 5281 | 5355 | 5488 |
|    |        |   |     |     |   | 5306                | 5537 | 5617 | 5639 | 5712 |
|    |        |   |     |     |   | 5339                | 5554 | 5282 | 5536 | 5410 |
|    |        |   |     |     |   | 5553                | 5270 | 5310 | 5560 | 5319 |
|    |        |   |     |     |   | 5489                | 5540 | 5533 | 5450 | 5615 |
|    |        |   |     |     |   | 5405                | 5426 | 5572 | 5264 | 5288 |
|    |        |   |     |     |   | 5575                | 5362 | 5622 | 5716 | 5539 |
|    |        |   |     |     |   | 5512                | 5664 | 5454 | 5299 | 5611 |
|    |        |   |     |     |   | 5686                | 5449 | 5689 | 5374 | 5267 |
|    |        |   |     |     |   | 5440                | 5446 | 5305 | 5370 | 5556 |
|    |        |   |     |     |   | 5250                | 5258 | 5513 | 5538 | 5317 |
|    |        |   |     |     |   | 5320                | 5301 | 5430 | 5432 | 5280 |
|    |        |   |     |     |   | (number of hits: 1) |      |      |      |      |
| 15 | 5500.0 | 9 | 1.0 | 333 | 1 | 5531                | 5329 | 5463 | 5663 | 5492 |
|    |        |   |     |     |   | 5484                | 5301 | 5612 | 5503 | 5558 |
|    |        |   |     |     |   | 5557                | 5274 | 5509 | 5614 | 5517 |
|    |        |   |     |     |   | 5386                | 5465 | 5299 | 5710 | 5544 |
|    |        |   |     |     |   | 5507                | 5317 | 5456 | 5269 | 5615 |
|    |        |   |     |     |   | 5331                | 5499 | 5455 | 5341 | 5523 |
|    |        |   |     |     |   | 5330                | 5428 | 5343 | 5711 | 5620 |
|    |        |   |     |     |   | 5413                | 5271 | 5408 | 5587 | 5491 |
|    |        |   |     |     |   | 5251                | 5671 | 5436 | 5321 | 5278 |
|    |        |   |     |     |   | 5284                | 5468 | 5389 | 5595 | 5670 |
|    |        |   |     |     |   | 5429                | 5588 | 5515 | 5605 | 5371 |
|    |        |   |     |     |   | 5262                | 5257 | 5266 | 5602 | 5500 |
|    |        |   |     |     |   | 5379                | 5668 | 5521 | 5705 | 5478 |
|    |        |   |     |     |   | 5354                | 5365 | 5307 | 5534 | 5566 |
|    |        |   |     |     |   | 5640                | 5561 | 5606 | 5385 | 5716 |
|    |        |   |     |     |   | 5581                | 5685 | 5360 | 5585 | 5493 |
|    |        |   |     |     |   | 5344                | 5564 | 5260 | 5687 | 5608 |
|    |        |   |     |     |   | 5352                | 5337 | 5459 | 5308 | 5400 |
|    |        |   |     |     |   | 5553                | 5665 | 5721 | 5353 | 5298 |
|    |        |   |     |     |   | 5555                | 5372 | 5304 | 5296 | 5312 |
|    |        |   |     |     |   | (number of hits: 6) |      |      |      |      |
| 16 | 5500.0 | 9 | 1.0 | 333 | 1 | 5311                | 5568 | 5399 | 5349 | 5712 |
|    |        |   |     |     |   | 5623                | 5553 | 5376 | 5300 | 5710 |
|    |        |   |     |     |   | 5392                | 5346 | 5315 | 5704 | 5635 |
|    |        |   |     |     |   | 5508                | 5513 | 5344 | 5427 | 5552 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5576                | 5258 | 5448 | 5717 | 5406 |
|    |        |   |     |     |   | 5658                | 5605 | 5559 | 5375 | 5565 |
|    |        |   |     |     |   | 5316                | 5385 | 5558 | 5485 | 5343 |
|    |        |   |     |     |   | 5459                | 5301 | 5265 | 5502 | 5279 |
|    |        |   |     |     |   | 5374                | 5561 | 5275 | 5591 | 5472 |
|    |        |   |     |     |   | 5653                | 5723 | 5464 | 5691 | 5656 |
|    |        |   |     |     |   | 5460                | 5560 | 5676 | 5357 | 5556 |
|    |        |   |     |     |   | 5690                | 5673 | 5639 | 5650 | 5395 |
|    |        |   |     |     |   | 5423                | 5686 | 5579 | 5469 | 5542 |
|    |        |   |     |     |   | 5303                | 5401 | 5614 | 5329 | 5272 |
|    |        |   |     |     |   | 5547                | 5609 | 5709 | 5692 | 5540 |
|    |        |   |     |     |   | 5557                | 5480 | 5253 | 5474 | 5596 |
|    |        |   |     |     |   | 5674                | 5516 | 5627 | 5698 | 5352 |
|    |        |   |     |     |   | 5470                | 5397 | 5554 | 5273 | 5354 |
|    |        |   |     |     |   | 5388                | 5411 | 5359 | 5655 | 5600 |
|    |        |   |     |     |   | 5572                | 5669 | 5291 | 5638 | 5487 |
|    |        |   |     |     |   | (number of hits: 2) |      |      |      |      |
| 17 | 5500.0 | 9 | 1.0 | 333 | 1 | 5566                | 5332 | 5335 | 5510 | 5554 |
|    |        |   |     |     |   | 5665                | 5478 | 5451 | 5463 | 5539 |
|    |        |   |     |     |   | 5323                | 5610 | 5453 | 5327 | 5656 |
|    |        |   |     |     |   | 5596                | 5640 | 5671 | 5389 | 5716 |
|    |        |   |     |     |   | 5560                | 5267 | 5296 | 5537 | 5690 |
|    |        |   |     |     |   | 5294                | 5607 | 5333 | 5663 | 5409 |
|    |        |   |     |     |   | 5704                | 5680 | 5342 | 5298 | 5637 |
|    |        |   |     |     |   | 5638                | 5691 | 5550 | 5572 | 5418 |
|    |        |   |     |     |   | 5416                | 5501 | 5362 | 5312 | 5326 |
|    |        |   |     |     |   | 5369                | 5520 | 5428 | 5555 | 5614 |
|    |        |   |     |     |   | 5301                | 5581 | 5718 | 5392 | 5707 |
|    |        |   |     |     |   | 5646                | 5383 | 5523 | 5545 | 5405 |
|    |        |   |     |     |   | 5492                | 5304 | 5368 | 5518 | 5502 |
|    |        |   |     |     |   | 5415                | 5365 | 5252 | 5437 | 5349 |
|    |        |   |     |     |   | 5696                | 5309 | 5630 | 5709 | 5558 |
|    |        |   |     |     |   | 5668                | 5499 | 5526 | 5600 | 5299 |
|    |        |   |     |     |   | 5455                | 5373 | 5687 | 5297 | 5316 |
|    |        |   |     |     |   | 5338                | 5505 | 5255 | 5360 | 5271 |
|    |        |   |     |     |   | 5616                | 5477 | 5683 | 5576 | 5263 |
|    |        |   |     |     |   | 5440                | 5686 | 5482 | 5567 | 5270 |
|    |        |   |     |     |   | (number of hits: 5) |      |      |      |      |
| 18 | 5500.0 | 9 | 1.0 | 333 | 1 | 5724                | 5571 | 5271 | 5671 | 5299 |
|    |        |   |     |     |   | 5707                | 5500 | 5526 | 5626 | 5254 |
|    |        |   |     |     |   | 5399                | 5494 | 5522 | 5677 | 5684 |
|    |        |   |     |     |   | 5292                | 5337 | 5433 | 5471 | 5336 |
|    |        |   |     |     |   | 5712                | 5529 | 5663 | 5560 | 5459 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5536                | 5443 | 5666 | 5416 | 5411 |
|    |        |   |     |     |   | 5361                | 5258 | 5641 | 5368 | 5668 |
|    |        |   |     |     |   | 5330                | 5340 | 5542 | 5250 | 5469 |
|    |        |   |     |     |   | 5366                | 5449 | 5311 | 5638 | 5672 |
|    |        |   |     |     |   | 5257                | 5468 | 5594 | 5568 | 5283 |
|    |        |   |     |     |   | 5260                | 5681 | 5467 | 5464 | 5498 |
|    |        |   |     |     |   | 5689                | 5484 | 5410 | 5350 | 5328 |
|    |        |   |     |     |   | 5458                | 5566 | 5676 | 5376 | 5656 |
|    |        |   |     |     |   | 5491                | 5353 | 5478 | 5616 | 5310 |
|    |        |   |     |     |   | 5644                | 5398 | 5720 | 5442 | 5436 |
|    |        |   |     |     |   | 5625                | 5322 | 5553 | 5383 | 5502 |
|    |        |   |     |     |   | 5613                | 5633 | 5629 | 5420 | 5581 |
|    |        |   |     |     |   | 5359                | 5406 | 5266 | 5371 | 5675 |
|    |        |   |     |     |   | 5721                | 5703 | 5537 | 5465 | 5627 |
|    |        |   |     |     |   | 5369                | 5694 | 5407 | 5447 | 5316 |
|    |        |   |     |     |   | (number of hits: 4) |      |      |      |      |
| 19 | 5500.0 | 9 | 1.0 | 333 | 1 | 5504                | 5335 | 5682 | 5357 | 5519 |
|    |        |   |     |     |   | 5371                | 5425 | 5601 | 5692 | 5478 |
|    |        |   |     |     |   | 5563                | 5663 | 5535 | 5717 | 5698 |
|    |        |   |     |     |   | 5297                | 5322 | 5402 | 5382 | 5625 |
|    |        |   |     |     |   | 5479                | 5502 | 5653 | 5618 | 5636 |
|    |        |   |     |     |   | 5448                | 5408 | 5264 | 5493 | 5477 |
|    |        |   |     |     |   | 5313                | 5555 | 5256 | 5631 | 5656 |
|    |        |   |     |     |   | 5397                | 5257 | 5261 | 5346 | 5341 |
|    |        |   |     |     |   | 5654                | 5709 | 5363 | 5281 | 5291 |
|    |        |   |     |     |   | 5721                | 5255 | 5310 | 5258 | 5470 |
|    |        |   |     |     |   | 5269                | 5334 | 5349 | 5407 | 5314 |
|    |        |   |     |     |   | 5446                | 5418 | 5688 | 5508 | 5455 |
|    |        |   |     |     |   | 5562                | 5415 | 5355 | 5279 | 5629 |
|    |        |   |     |     |   | 5404                | 5389 | 5412 | 5488 | 5383 |
|    |        |   |     |     |   | 5550                | 5602 | 5337 | 5634 | 5620 |
|    |        |   |     |     |   | 5417                | 5367 | 5365 | 5432 | 5547 |
|    |        |   |     |     |   | 5561                | 5499 | 5430 | 5633 | 5568 |
|    |        |   |     |     |   | 5558                | 5449 | 5410 | 5498 | 5701 |
|    |        |   |     |     |   | 5431                | 5377 | 5679 | 5720 | 5592 |
|    |        |   |     |     |   | 5434                | 5606 | 5472 | 5405 | 5648 |
|    |        |   |     |     |   | (number of hits: 6) |      |      |      |      |
| 20 | 5500.0 | 9 | 1.0 | 333 | 1 | 5284                | 5574 | 5618 | 5518 | 5361 |
|    |        |   |     |     |   | 5413                | 5447 | 5676 | 5380 | 5307 |
|    |        |   |     |     |   | 5494                | 5452 | 5576 | 5437 | 5719 |
|    |        |   |     |     |   | 5288                | 5449 | 5408 | 5427 | 5342 |
|    |        |   |     |     |   | 5487                | 5571 | 5691 | 5610 | 5609 |
|    |        |   |     |     |   | 5714                | 5260 | 5467 | 5597 | 5511 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5444                | 5688 | 5371 | 5337 | 5476 |
|    |        |   |     |     |   | 5536                | 5348 | 5532 | 5499 | 5255 |
|    |        |   |     |     |   | 5493                | 5708 | 5601 | 5474 | 5360 |
|    |        |   |     |     |   | 5685                | 5271 | 5329 | 5363 | 5620 |
|    |        |   |     |     |   | 5346                | 5445 | 5385 | 5438 | 5705 |
|    |        |   |     |     |   | 5258                | 5634 | 5372 | 5403 | 5327 |
|    |        |   |     |     |   | 5426                | 5594 | 5580 | 5300 | 5586 |
|    |        |   |     |     |   | 5552                | 5350 | 5590 | 5351 | 5698 |
|    |        |   |     |     |   | 5653                | 5434 | 5340 | 5483 | 5596 |
|    |        |   |     |     |   | 5376                | 5388 | 5631 | 5495 | 5557 |
|    |        |   |     |     |   | 5711                | 5624 | 5496 | 5625 | 5410 |
|    |        |   |     |     |   | 5443                | 5275 | 5414 | 5364 | 5424 |
|    |        |   |     |     |   | 5480                | 5646 | 5464 | 5262 | 5647 |
|    |        |   |     |     |   | 5418                | 5261 | 5488 | 5575 | 5615 |
|    |        |   |     |     |   | (number of hits: 5) |      |      |      |      |
| 21 | 5500.0 | 9 | 1.0 | 333 | 1 | 5539                | 5338 | 5554 | 5582 | 5581 |
|    |        |   |     |     |   | 5455                | 5372 | 5276 | 5543 | 5514 |
|    |        |   |     |     |   | 5425                | 5617 | 5535 | 5265 | 5376 |
|    |        |   |     |     |   | 5576                | 5511 | 5375 | 5534 | 5398 |
|    |        |   |     |     |   | 5262                | 5632 | 5699 | 5602 | 5587 |
|    |        |   |     |     |   | 5670                | 5701 | 5545 | 5494 | 5430 |
|    |        |   |     |     |   | 5645                | 5586 | 5489 | 5674 | 5675 |
|    |        |   |     |     |   | 5536                | 5328 | 5274 | 5644 | 5332 |
|    |        |   |     |     |   | 5413                | 5714 | 5357 | 5517 | 5251 |
|    |        |   |     |     |   | 5412                | 5416 | 5410 | 5600 | 5524 |
|    |        |   |     |     |   | 5436                | 5527 | 5528 | 5580 | 5347 |
|    |        |   |     |     |   | 5326                | 5593 | 5397 | 5723 | 5270 |
|    |        |   |     |     |   | 5720                | 5418 | 5378 | 5393 | 5523 |
|    |        |   |     |     |   | 5387                | 5530 | 5448 | 5615 | 5316 |
|    |        |   |     |     |   | 5671                | 5440 | 5475 | 5335 | 5683 |
|    |        |   |     |     |   | 5508                | 5299 | 5476 | 5334 | 5555 |
|    |        |   |     |     |   | 5371                | 5400 | 5687 | 5493 | 5345 |
|    |        |   |     |     |   | 5439                | 5349 | 5406 | 5370 | 5282 |
|    |        |   |     |     |   | 5415                | 5519 | 5719 | 5286 | 5486 |
|    |        |   |     |     |   | 5680                | 5346 | 5279 | 5702 | 5402 |
|    |        |   |     |     |   | (number of hits: 3) |      |      |      |      |
| 22 | 5500.0 | 9 | 1.0 | 333 | 1 | 5319                | 5577 | 5490 | 5268 | 5423 |
|    |        |   |     |     |   | 5497                | 5394 | 5351 | 5706 | 5721 |
|    |        |   |     |     |   | 5259                | 5602 | 5658 | 5255 | 5286 |
|    |        |   |     |     |   | 5464                | 5703 | 5614 | 5420 | 5251 |
|    |        |   |     |     |   | 5406                | 5331 | 5573 | 5691 | 5555 |
|    |        |   |     |     |   | 5536                | 5301 | 5330 | 5579 | 5704 |
|    |        |   |     |     |   | 5263                | 5494 | 5717 | 5627 | 5599 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5427                 | 5655 | 5496 | 5477 | 5382 |
|    |        |   |     |     |   | 5451                 | 5446 | 5495 | 5332 | 5469 |
|    |        |   |     |     |   | 5297                 | 5476 | 5700 | 5487 | 5713 |
|    |        |   |     |     |   | 5524                 | 5535 | 5280 | 5308 | 5343 |
|    |        |   |     |     |   | 5271                 | 5377 | 5532 | 5287 | 5250 |
|    |        |   |     |     |   | 5679                 | 5339 | 5472 | 5265 | 5340 |
|    |        |   |     |     |   | 5418                 | 5485 | 5657 | 5443 | 5656 |
|    |        |   |     |     |   | 5294                 | 5652 | 5628 | 5345 | 5457 |
|    |        |   |     |     |   | 5586                 | 5665 | 5467 | 5372 | 5540 |
|    |        |   |     |     |   | 5439                 | 5666 | 5369 | 5562 | 5722 |
|    |        |   |     |     |   | 5292                 | 5442 | 5492 | 5617 | 5606 |
|    |        |   |     |     |   | 5585                 | 5393 | 5282 | 5483 | 5629 |
|    |        |   |     |     |   | 5349                 | 5306 | 5633 | 5690 | 5334 |
|    |        |   |     |     |   | (number of hits: 5 ) |      |      |      |      |
| 23 | 5500.0 | 9 | 1.0 | 333 | 1 | 5477                 | 5341 | 5426 | 5429 | 5643 |
|    |        |   |     |     |   | 5636                 | 5319 | 5297 | 5453 | 5665 |
|    |        |   |     |     |   | 5391                 | 5699 | 5450 | 5307 | 5552 |
|    |        |   |     |     |   | 5355                 | 5717 | 5465 | 5443 | 5414 |
|    |        |   |     |     |   | 5497                 | 5514 | 5305 | 5528 | 5281 |
|    |        |   |     |     |   | 5388                 | 5504 | 5434 | 5613 | 5578 |
|    |        |   |     |     |   | 5683                 | 5559 | 5444 | 5415 | 5692 |
|    |        |   |     |     |   | 5381                 | 5718 | 5492 | 5580 | 5569 |
|    |        |   |     |     |   | 5582                 | 5579 | 5318 | 5622 | 5448 |
|    |        |   |     |     |   | 5375                 | 5686 | 5293 | 5522 | 5562 |
|    |        |   |     |     |   | 5352                 | 5401 | 5538 | 5327 | 5371 |
|    |        |   |     |     |   | 5626                 | 5709 | 5498 | 5637 | 5506 |
|    |        |   |     |     |   | 5697                 | 5707 | 5557 | 5602 | 5285 |
|    |        |   |     |     |   | 5340                 | 5421 | 5362 | 5572 | 5610 |
|    |        |   |     |     |   | 5696                 | 5543 | 5408 | 5427 | 5253 |
|    |        |   |     |     |   | 5524                 | 5273 | 5488 | 5438 | 5363 |
|    |        |   |     |     |   | 5678                 | 5631 | 5435 | 5390 | 5260 |
|    |        |   |     |     |   | 5342                 | 5508 | 5279 | 5590 | 5420 |
|    |        |   |     |     |   | 5262                 | 5616 | 5651 | 5694 | 5410 |
|    |        |   |     |     |   | 5337                 | 5467 | 5527 | 5328 | 5409 |
|    |        |   |     |     |   | (number of hits: 6 ) |      |      |      |      |
| 24 | 5500.0 | 9 | 1.0 | 333 | 1 | 5257                 | 5580 | 5362 | 5590 | 5485 |
|    |        |   |     |     |   | 5678                 | 5341 | 5501 | 5460 | 5282 |
|    |        |   |     |     |   | 5499                 | 5655 | 5265 | 5645 | 5328 |
|    |        |   |     |     |   | 5543                 | 5385 | 5345 | 5510 | 5325 |
|    |        |   |     |     |   | 5566                 | 5552 | 5297 | 5644 | 5337 |
|    |        |   |     |     |   | 5707                 | 5635 | 5647 | 5717 | 5669 |
|    |        |   |     |     |   | 5516                 | 5659 | 5664 | 5512 | 5520 |
|    |        |   |     |     |   | 5334                 | 5288 | 5355 | 5483 | 5421 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5662                | 5256 | 5387 | 5445 | 5682 |
|    |        |   |     |     |   | 5569                | 5661 | 5351 | 5478 | 5449 |
|    |        |   |     |     |   | 5606                | 5577 | 5589 | 5416 | 5375 |
|    |        |   |     |     |   | 5315                | 5339 | 5663 | 5688 | 5456 |
|    |        |   |     |     |   | 5652                | 5486 | 5428 | 5706 | 5638 |
|    |        |   |     |     |   | 5370                | 5398 | 5307 | 5502 | 5251 |
|    |        |   |     |     |   | 5546                | 5403 | 5687 | 5493 | 5296 |
|    |        |   |     |     |   | 5534                | 5419 | 5615 | 5313 | 5320 |
|    |        |   |     |     |   | 5498                | 5720 | 5447 | 5392 | 5374 |
|    |        |   |     |     |   | 5555                | 5691 | 5306 | 5601 | 5588 |
|    |        |   |     |     |   | 5427                | 5451 | 5425 | 5685 | 5651 |
|    |        |   |     |     |   | 5308                | 5283 | 5701 | 5410 | 5404 |
|    |        |   |     |     |   | (number of hits: 5) |      |      |      |      |
| 25 | 5500.0 | 9 | 1.0 | 333 | 1 | 5512                | 5441 | 5298 | 5276 | 5705 |
|    |        |   |     |     |   | 5720                | 5363 | 5576 | 5623 | 5489 |
|    |        |   |     |     |   | 5430                | 5444 | 5403 | 5365 | 5349 |
|    |        |   |     |     |   | 5631                | 5351 | 5458 | 5449 | 5333 |
|    |        |   |     |     |   | 5257                | 5493 | 5386 | 5474 | 5435 |
|    |        |   |     |     |   | 5664                | 5264 | 5681 | 5284 | 5558 |
|    |        |   |     |     |   | 5473                | 5399 | 5341 | 5710 | 5562 |
|    |        |   |     |     |   | 5425                | 5559 | 5508 | 5494 | 5260 |
|    |        |   |     |     |   | 5367                | 5669 | 5627 | 5442 | 5611 |
|    |        |   |     |     |   | 5549                | 5269 | 5409 | 5531 | 5714 |
|    |        |   |     |     |   | 5482                | 5278 | 5640 | 5505 | 5673 |
|    |        |   |     |     |   | 5637                | 5527 | 5617 | 5306 | 5653 |
|    |        |   |     |     |   | 5659                | 5289 | 5552 | 5694 | 5318 |
|    |        |   |     |     |   | 5274                | 5364 | 5319 | 5337 | 5614 |
|    |        |   |     |     |   | 5297                | 5302 | 5323 | 5712 | 5581 |
|    |        |   |     |     |   | 5379                | 5646 | 5416 | 5677 | 5400 |
|    |        |   |     |     |   | 5392                | 5326 | 5445 | 5484 | 5658 |
|    |        |   |     |     |   | 5384                | 5272 | 5452 | 5566 | 5423 |
|    |        |   |     |     |   | 5464                | 5280 | 5471 | 5607 | 5622 |
|    |        |   |     |     |   | 5630                | 5340 | 5447 | 5532 | 5615 |
|    |        |   |     |     |   | (number of hits: 4) |      |      |      |      |
| 26 | 5500.0 | 9 | 1.0 | 333 | 1 | 5292                | 5680 | 5709 | 5437 | 5547 |
|    |        |   |     |     |   | 5287                | 5288 | 5651 | 5311 | 5696 |
|    |        |   |     |     |   | 5361                | 5330 | 5444 | 5463 | 5370 |
|    |        |   |     |     |   | 5719                | 5639 | 5454 | 5503 | 5641 |
|    |        |   |     |     |   | 5341                | 5423 | 5434 | 5378 | 5447 |
|    |        |   |     |     |   | 5323                | 5516 | 5638 | 5368 | 5715 |
|    |        |   |     |     |   | 5326                | 5430 | 5517 | 5590 | 5530 |
|    |        |   |     |     |   | 5701                | 5452 | 5661 | 5408 | 5671 |
|    |        |   |     |     |   | 5450                | 5607 | 5295 | 5439 | 5443 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5529                | 5352 | 5584 | 5601 | 5358 |
|    |        |   |     |     |   | 5691                | 5496 | 5581 | 5571 | 5472 |
|    |        |   |     |     |   | 5533                | 5321 | 5717 | 5625 | 5652 |
|    |        |   |     |     |   | 5695                | 5662 | 5268 | 5373 | 5349 |
|    |        |   |     |     |   | 5567                | 5483 | 5395 | 5698 | 5649 |
|    |        |   |     |     |   | 5258                | 5605 | 5334 | 5536 | 5723 |
|    |        |   |     |     |   | 5381                | 5436 | 5551 | 5721 | 5467 |
|    |        |   |     |     |   | 5623                | 5606 | 5415 | 5388 | 5379 |
|    |        |   |     |     |   | 5712                | 5478 | 5636 | 5613 | 5656 |
|    |        |   |     |     |   | 5512                | 5449 | 5558 | 5502 | 5546 |
|    |        |   |     |     |   | 5718                | 5572 | 5498 | 5707 | 5509 |
|    |        |   |     |     |   | (number of hits: 4) |      |      |      |      |
| 27 | 5500.0 | 9 | 1.0 | 333 | 1 | 5450                | 5444 | 5645 | 5598 | 5292 |
|    |        |   |     |     |   | 5426                | 5310 | 5251 | 5377 | 5525 |
|    |        |   |     |     |   | 5670                | 5594 | 5485 | 5658 | 5391 |
|    |        |   |     |     |   | 5332                | 5291 | 5557 | 5548 | 5358 |
|    |        |   |     |     |   | 5252                | 5492 | 5472 | 5467 | 5420 |
|    |        |   |     |     |   | 5589                | 5465 | 5269 | 5274 | 5433 |
|    |        |   |     |     |   | 5387                | 5257 | 5267 | 5350 | 5365 |
|    |        |   |     |     |   | 5704                | 5723 | 5339 | 5322 | 5510 |
|    |        |   |     |     |   | 5533                | 5545 | 5535 | 5372 | 5509 |
|    |        |   |     |     |   | 5435                | 5428 | 5637 | 5709 | 5630 |
|    |        |   |     |     |   | 5305                | 5697 | 5686 | 5504 | 5407 |
|    |        |   |     |     |   | 5584                | 5457 | 5478 | 5641 | 5388 |
|    |        |   |     |     |   | 5692                | 5409 | 5656 | 5459 | 5286 |
|    |        |   |     |     |   | 5564                | 5684 | 5652 | 5657 | 5681 |
|    |        |   |     |     |   | 5362                | 5324 | 5546 | 5482 | 5715 |
|    |        |   |     |     |   | 5309                | 5378 | 5662 | 5526 | 5475 |
|    |        |   |     |     |   | 5256                | 5430 | 5676 | 5326 | 5619 |
|    |        |   |     |     |   | 5593                | 5297 | 5461 | 5575 | 5500 |
|    |        |   |     |     |   | 5691                | 5346 | 5392 | 5496 | 5255 |
|    |        |   |     |     |   | 5360                | 5460 | 5338 | 5333 | 5385 |
|    |        |   |     |     |   | (number of hits: 4) |      |      |      |      |
| 28 | 5500.0 | 9 | 1.0 | 333 | 1 | 5705                | 5683 | 5581 | 5284 | 5609 |
|    |        |   |     |     |   | 5468                | 5710 | 5326 | 5540 | 5257 |
|    |        |   |     |     |   | 5601                | 5383 | 5526 | 5378 | 5412 |
|    |        |   |     |     |   | 5323                | 5418 | 5660 | 5593 | 5550 |
|    |        |   |     |     |   | 5260                | 5658 | 5413 | 5459 | 5393 |
|    |        |   |     |     |   | 5477                | 5317 | 5472 | 5673 | 5308 |
|    |        |   |     |     |   | 5507                | 5322 | 5344 | 5516 | 5548 |
|    |        |   |     |     |   | 5504                | 5320 | 5519 | 5589 | 5711 |
|    |        |   |     |     |   | 5349                | 5616 | 5483 | 5300 | 5530 |
|    |        |   |     |     |   | 5301                | 5489 | 5518 | 5486 | 5690 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5278                 | 5488 | 5331 | 5318 | 5394 |
|    |        |   |     |     |   | 5520                 | 5372 | 5382 | 5401 | 5475 |
|    |        |   |     |     |   | 5579                 | 5572 | 5529 | 5289 | 5684 |
|    |        |   |     |     |   | 5686                 | 5641 | 5348 | 5391 | 5254 |
|    |        |   |     |     |   | 5564                 | 5636 | 5292 | 5277 | 5506 |
|    |        |   |     |     |   | 5685                 | 5523 | 5650 | 5437 | 5343 |
|    |        |   |     |     |   | 5576                 | 5559 | 5263 | 5404 | 5387 |
|    |        |   |     |     |   | 5438                 | 5570 | 5696 | 5384 | 5258 |
|    |        |   |     |     |   | 5496                 | 5491 | 5625 | 5627 | 5654 |
|    |        |   |     |     |   | 5592                 | 5612 | 5449 | 5590 | 5591 |
|    |        |   |     |     |   | (number of hits: 5 ) |      |      |      |      |
| 29 | 5500.0 | 9 | 1.0 | 333 | 1 | 5485                 | 5447 | 5517 | 5348 | 5354 |
|    |        |   |     |     |   | 5510                 | 5257 | 5401 | 5703 | 5464 |
|    |        |   |     |     |   | 5532                 | 5647 | 5567 | 5573 | 5433 |
|    |        |   |     |     |   | 5411                 | 5448 | 5288 | 5541 | 5267 |
|    |        |   |     |     |   | 5268                 | 5252 | 5548 | 5366 | 5365 |
|    |        |   |     |     |   | 5266                 | 5675 | 5302 | 5342 | 5549 |
|    |        |   |     |     |   | 5308                 | 5301 | 5687 | 5668 | 5368 |
|    |        |   |     |     |   | 5546                 | 5315 | 5722 | 5663 | 5321 |
|    |        |   |     |     |   | 5421                 | 5443 | 5527 | 5608 | 5469 |
|    |        |   |     |     |   | 5601                 | 5543 | 5364 | 5507 | 5369 |
|    |        |   |     |     |   | 5483                 | 5343 | 5694 | 5707 | 5336 |
|    |        |   |     |     |   | 5591                 | 5307 | 5446 | 5708 | 5262 |
|    |        |   |     |     |   | 5571                 | 5693 | 5702 | 5630 | 5412 |
|    |        |   |     |     |   | 5590                 | 5384 | 5698 | 5621 | 5367 |
|    |        |   |     |     |   | 5330                 | 5278 | 5280 | 5355 | 5661 |
|    |        |   |     |     |   | 5482                 | 5619 | 5324 | 5580 | 5353 |
|    |        |   |     |     |   | 5669                 | 5519 | 5568 | 5275 | 5674 |
|    |        |   |     |     |   | 5429                 | 5326 | 5498 | 5665 | 5564 |
|    |        |   |     |     |   | 5338                 | 5506 | 5656 | 5253 | 5536 |
|    |        |   |     |     |   | 5679                 | 5609 | 5667 | 5565 | 5487 |
|    |        |   |     |     |   | (number of hits: 5 ) |      |      |      |      |
| 30 | 5500.0 | 9 | 1.0 | 333 | 1 | 5265                 | 5686 | 5453 | 5509 | 5671 |
|    |        |   |     |     |   | 5552                 | 5657 | 5476 | 5391 | 5293 |
|    |        |   |     |     |   | 5366                 | 5436 | 5608 | 5454 | 5499 |
|    |        |   |     |     |   | 5575                 | 5294 | 5586 | 5459 | 5654 |
|    |        |   |     |     |   | 5418                 | 5392 | 5637 | 5339 | 5631 |
|    |        |   |     |     |   | 5593                 | 5403 | 5406 | 5376 | 5688 |
|    |        |   |     |     |   | 5672                 | 5258 | 5330 | 5442 | 5566 |
|    |        |   |     |     |   | 5685                 | 5502 | 5683 | 5420 | 5636 |
|    |        |   |     |     |   | 5404                 | 5359 | 5524 | 5537 | 5449 |
|    |        |   |     |     |   | 5684                 | 5505 | 5321 | 5430 | 5715 |
|    |        |   |     |     |   | 5669                 | 5641 | 5638 | 5290 | 5306 |



|  |  |  |  |  |  |                      |      |      |      |      |
|--|--|--|--|--|--|----------------------|------|------|------|------|
|  |  |  |  |  |  | 5601                 | 5320 | 5362 | 5427 | 5516 |
|  |  |  |  |  |  | 5525                 | 5528 | 5576 | 5710 | 5539 |
|  |  |  |  |  |  | 5323                 | 5433 | 5416 | 5645 | 5402 |
|  |  |  |  |  |  | 5264                 | 5380 | 5679 | 5441 | 5491 |
|  |  |  |  |  |  | 5444                 | 5723 | 5605 | 5304 | 5300 |
|  |  |  |  |  |  | 5635                 | 5595 | 5272 | 5394 | 5332 |
|  |  |  |  |  |  | 5643                 | 5461 | 5382 | 5529 | 5389 |
|  |  |  |  |  |  | 5514                 | 5346 | 5259 | 5598 | 5691 |
|  |  |  |  |  |  | 5722                 | 5549 | 5385 | 5365 | 5655 |
|  |  |  |  |  |  | (number of hits: 3 ) |      |      |      |      |

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

| <b>Radar Signal Type</b>       | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|--------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>              | 30                           | 96.7 %               | 60%              | Pass             |
| <b>Type 2</b>                  | 30                           | 90 %                 | 60%              | Pass             |
| <b>Type 3</b>                  | 30                           | 90 %                 | 60%              | Pass             |
| <b>Type 4</b>                  | 30                           | 90 %                 | 60%              | Pass             |
| <b>Aggregate (Type 1 to 4)</b> | 120                          | 91.7 %               | 80%              | Pass             |
| <b>Type 5</b>                  | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                  | 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.*

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 62                 | 1.0  | 858                                | 1                                  |
| 2   | 95                 | 1.0  | 558                                | 1                                  |
| 3   | 102                | 1.0  | 518                                | 1                                  |
| 4   | 70                 | 1.0  | 758                                | 1                                  |
| 5   | 86                 | 1.0  | 618                                | 1                                  |
| 6   | 58                 | 1.0  | 918                                | 1                                  |
| 7   | 61                 | 1.0  | 878                                | 1                                  |
| 8   | 74                 | 1.0  | 718                                | 0                                  |
| 9   | 59                 | 1.0  | 898                                | 1                                  |
| 10  | 57                 | 1.0  | 938                                | 1                                  |
| 11  | 81                 | 1.0  | 658                                | 1                                  |
| 12  | 72                 | 1.0  | 738                                | 1                                  |
| 13  | 65                 | 1.0  | 818                                | 1                                  |
| 14  | 83                 | 1.0  | 638                                | 1                                  |
| 15  | 92                 | 1.0  | 578                                | 1                                  |
| 16  | 57                 | 1.0  | 942                                | 1                                  |
| 17  | 24                 | 1.0  | 2273                               | 1                                  |
| 18  | 18                 | 1.0  | 3006                               | 1                                  |
| 19  | 30                 | 1.0  | 1767                               | 1                                  |
| 20  | 44                 | 1.0  | 1208                               | 1                                  |
| 21  | 42                 | 1.0  | 1261                               | 1                                  |
| 22  | 33                 | 1.0  | 1642                               | 1                                  |
| 23  | 28                 | 1.0  | 1919                               | 1                                  |
| 24  | 25                 | 1.0  | 2171                               | 1                                  |
| 25  | 18                 | 1.0  | 3029                               | 1                                  |
| 26  | 67                 | 1.0  | 790                                | 1                                  |
| 27  | 32                 | 1.0  | 1676                               | 1                                  |
| 28  | 24                 | 1.0  | 2257                               | 1                                  |
| 29  | 33                 | 1.0  | 1612                               | 1                                  |
| 30  | 22                 | 1.0  | 2503                               | 1                                  |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-2 Radar Type 2 Statistical Performance**

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

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 24                 | 3.4  | 166                                | 1                                  |
| 2   | 23                 | 1.8  | 183                                | 1                                  |
| 3   | 26                 | 3.3  | 160                                | 0                                  |
| 4   | 28                 | 3.1  | 230                                | 1                                  |
| 5   | 27                 | 1.5  | 226                                | 1                                  |
| 6   | 26                 | 2.3  | 164                                | 1                                  |
| 7   | 25                 | 3.1  | 194                                | 1                                  |
| 8   | 29                 | 3.6  | 222                                | 1                                  |
| 9   | 23                 | 2.6  | 227                                | 0                                  |
| 10  | 27                 | 4.4  | 223                                | 1                                  |
| 11  | 23                 | 4.4  | 187                                | 0                                  |
| 12  | 24                 | 3.7  | 186                                | 1                                  |
| 13  | 25                 | 4.1  | 196                                | 1                                  |
| 14  | 29                 | 5  | 174                                | 1                                  |
| 15  | 27                 | 2.3  | 192                                | 1                                  |
| 16  | 27                 | 4  | 175                                | 1                                  |
| 17  | 24                 | 1.8  | 212                                | 1                                  |
| 18  | 27                 | 4.3  | 209                                | 1                                  |
| 19  | 27                 | 5  | 203                                | 1                                  |
| 20  | 27                 | 1.3  | 213                                | 1                                  |
| 21  | 29                 | 2.9  | 217                                | 1                                  |
| 22  | 23                 | 4.8  | 173                                | 1                                  |
| 23  | 24                 | 1.3  | 157                                | 1                                  |
| 24  | 25                 | 1.9  | 168                                | 1                                  |
| 25  | 28                 | 4.9  | 153                                | 1                                  |
| 26  | 24                 | 1.7  | 211                                | 1                                  |
| 27  | 28                 | 1.4  | 207                                | 1                                  |
| 28  | 25                 | 2.4  | 167                                | 1                                  |
| 29  | 28                 | 3.5  | 150                                | 1                                  |
| 30  | 29                 | 1.2  | 188                                | 1                                  |
| <b>Detection Percentage: 90.0 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-3 Radar Type 3 Statistical Performance**

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

| <b>Trial #</b>                              | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 16                 | 9.6  | 481                                | 1                                  |
| 2   | 16                 | 9.1  | 359                                | 1                                  |
| 3   | 17                 | 6.9  | 208                                | 1                                  |
| 4   | 18                 | 9.2  | 403                                | 0                                  |
| 5   | 17                 | 7.5  | 262                                | 1                                  |
| 6   | 17                 | 8.6  | 380                                | 1                                  |
| 7   | 17                 | 6.4  | 274                                | 1                                  |
| 8   | 18                 | 9.6  | 239                                | 1                                  |
| 9   | 16                 | 6.2  | 366                                | 1                                  |
| 10  | 17                 | 9.1  | 229                                | 1                                  |
| 11  | 16                 | 8.2  | 420                                | 1                                  |
| 12  | 16                 | 6.9  | 343                                | 0                                  |
| 13  | 16                 | 8.5  | 485                                | 1                                  |
| 14  | 18                 | 7  | 486                                | 1                                  |
| 15  | 18                 | 8.5  | 321                                | 0                                  |
| 16  | 17                 | 9.1  | 437                                | 1                                  |
| 17  | 16                 | 9.4  | 482                                | 1                                  |
| 18  | 17                 | 7.4  | 471                                | 1                                  |
| 19  | 18                 | 7.1  | 423                                | 1                                  |
| 20  | 18                 | 8.6  | 489                                | 1                                  |
| 21  | 18                 | 6.8  | 349                                | 1                                  |
| 22  | 16                 | 7.7  | 323                                | 1                                  |
| 23  | 16                 | 9.1  | 438                                | 1                                  |
| 24  | 17                 | 6.8  | 476                                | 1                                  |
| 25  | 18                 | 6.1  | 257                                | 1                                  |
| 26  | 16                 | 9.5  | 408                                | 1                                  |
| 27  | 18                 | 6.8  | 336                                | 1                                  |
| 28  | 16                 | 7.2  | 243                                | 1                                  |
| 29  | 18                 | 6.3  | 237                                | 1                                  |
| 30  | 18                 | 6.8  | 436                                | 1                                  |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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          | 14               | 232      | 1                       |
| 2   | 12          | 16.1             | 414      | 1                       |
| 3   | 14          | 18.3             | 214      | 1                       |
| 4   | 15          | 14.9             | 429      | 1                       |
| 5   | 15          | 14.5             | 426      | 1                       |
| 6   | 14          | 19               | 367      | 1                       |
| 7   | 13          | 18.8             | 499      | 1                       |
| 8   | 16          | 18.2             | 287      | 1                       |
| 9   | 12          | 16.5             | 298      | 1                       |
| 10  | 15          | 18.3             | 326      | 1                       |
| 11  | 12          | 17.6             | 471      | 1                       |
| 12  | 13          | 13.9             | 318      | 0                       |
| 13  | 13          | 12.5             | 465      | 1                       |
| 14  | 16          | 17.3             | 265      | 0                       |
| 15  | 15          | 13.1             | 235      | 1                       |
| 16  | 15          | 11.7             | 469      | 1                       |
| 17  | 13          | 17.1             | 310      | 1                       |
| 18  | 15          | 20               | 453      | 1                       |
| 19  | 15          | 15.5             | 385      | 0                       |
| 20  | 15          | 14.4             | 255      | 1                       |
| 21  | 16          | 12.5             | 322      | 1                       |
| 22  | 12          | 19.8             | 405      | 1                       |
| 23  | 12          | 16.1             | 494      | 1                       |
| 24  | 13          | 13.1             | 238      | 1                       |
| 25  | 15          | 16.8             | 368      | 1                       |
| 26  | 12          | 14.4             | 247      | 1                       |
| 27  | 15          | 20               | 259      | 1                       |
| 28  | 13          | 11.7             | 336      | 1                       |
| 29  | 16          | 17.4             | 342      | 1                       |
| 30  | 16          | 17.5             | 411      | 1                       |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5495.0          | 1                              |
| 12   | 5498.0          | 1                              |
| 13   | 5496.0          | 1                              |
| 14   | 5498.0          | 1                              |
| 15   | 5495.0          | 1                              |
| 16   | 5495.0          | 1                              |
| 17   | 5498.0          | 1                              |
| 18   | 5494.0          | 1                              |
| 19   | 5496.0          | 1                              |
| 20   | 5496.0          | 1                              |
| 21   | 5522.0          | 1                              |
| 22   | 5521.0          | 1                              |
| 23   | 5522.0          | 1                              |
| 24   | 5522.0          | 1                              |
| 25   | 5522.0          | 1                              |
| 26   | 5525.0          | 1                              |
| 27   | 5523.0          | 1                              |
| 28   | 5524.0          | 1                              |
| 29   | 5524.0          | 1                              |
| 30   | 5521.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## Bin5 Statistics 1

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 486316            | 94.6             | 20                | 1                          | 1369       | -          | -          | 1                       |
| 1       | 750361            | 89.3             | 20                | 1                          | 1664       | -          | -          |                         |
| 2       | 1013324           | 54.3             | 20                | 2                          | 1452       | 1515       | -          |                         |
| 3       | 188916            | 94.1             | 20                | 3                          | 1456       | 1400       | 1982       |                         |
| 4       | 452821            | 85.9             | 20                | 2                          | 1955       | 1685       | -          |                         |
| 5       | 716984            | 83.7             | 20                | 2                          | 1770       | 1164       | -          |                         |
| 6       | 981216            | 79.5             | 20                | 2                          | 1277       | 1253       | -          |                         |
| 7       | 156563            | 63.4             | 20                | 3                          | 1117       | 1528       | 1545       |                         |
| 8       | 421081            | 50.6             | 20                | 1                          | 1722       | -          | -          |                         |
| 9       | 684976            | 72.2             | 20                | 2                          | 1042       | 1106       | -          |                         |
| 10      | 949674            | 90.2             | 20                | 1                          | 1414       | -          | -          |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 152082            | 98.2             | 15                | 1                          | 1564       | -          | -          | 1                       |
| 1       | 475217            | 72.2             | 15                | 1                          | 1175       | -          | -          |                         |
| 2       | 796056            | 82.4             | 15                | 3                          | 1403       | 1845       | 1683       |                         |
| 3       | 1118172           | 65.2             | 15                | 3                          | 1967       | 1466       | 1574       |                         |
| 4       | 112158            | 94.7             | 15                | 2                          | 1211       | 1990       | -          |                         |
| 5       | 435341            | 51.1             | 15                | 1                          | 1416       | -          | -          |                         |
| 6       | 757434            | 69.5             | 15                | 2                          | 1288       | 1777       | -          |                         |
| 7       | 1079157           | 57.8             | 15                | 3                          | 1291       | 1076       | 1817       |                         |
| 8       | 72352             | 72.7             | 15                | 3                          | 1035       | 1506       | 1929       |                         |



## Bin5 Statistics 3

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 253114                   | 58.5                    | 19                       | 3                                 | 1879              | 1717              | 1249              | 1                              |
| 1              | 461868                   | 70.3                    | 19                       | 1                                 | 1055              | -                 | -                 |                                |
| 2              | 668802                   | 77                      | 19                       | 1                                 | 1943              | -                 | -                 |                                |
| 3              | 20982                    | 61.4                    | 19                       | 2                                 | 1804              | 1453              | -                 |                                |
| 4              | 227696                   | 97.6                    | 19                       | 3                                 | 1176              | 1793              | 1711              |                                |
| 5              | 436098                   | 70.2                    | 19                       | 1                                 | 1437              | -                 | -                 |                                |
| 6              | 641519                   | 59.3                    | 19                       | 3                                 | 1700              | 1267              | 1282              |                                |
| 7              | 851159                   | 72.3                    | 19                       | 1                                 | 1447              | -                 | -                 |                                |
| 8              | 202402                   | 68.1                    | 19                       | 3                                 | 1261              | 1609              | 1085              |                                |
| 9              | 409072                   | 66.4                    | 19                       | 3                                 | 1491              | 1478              | 1516              |                                |
| 10             | 616863                   | 89.4                    | 19                       | 2                                 | 1381              | 1727              | -                 |                                |
| 11             | 822386                   | 85.3                    | 19                       | 3                                 | 1782              | 1750              | 1242              |                                |
| 12             | 176636                   | 96                      | 19                       | 3                                 | 1731              | 1828              | 1730              |                                |
| 13             | 384858                   | 77                      | 19                       | 1                                 | 1687              | -                 | -                 |                                |

## Bin5 Statistics 4

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 458317            | 98.2             | 5                 | 3                          | 1791       | 1179       | 1790       | 1                       |
| 1       | 618509            | 64.6             | 5                 | 3                          | 1849       | 1928       | 1348       |                         |
| 2       | 117335            | 59.4             | 5                 | 3                          | 1904       | 1881       | 1767       |                         |
| 3       | 279169            | 53.7             | 5                 | 1                          | 2000       | -          | -          |                         |
| 4       | 439462            | 72.8             | 5                 | 2                          | 1589       | 1783       | -          |                         |
| 5       | 600619            | 70               | 5                 | 2                          | 1502       | 1553       | -          |                         |
| 6       | 98114             | 80.1             | 5                 | 1                          | 1971       | -          | -          |                         |
| 7       | 258683            | 97               | 5                 | 3                          | 1021       | 1495       | 1097       |                         |
| 8       | 419452            | 78.9             | 5                 | 3                          | 1208       | 1203       | 1268       |                         |
| 9       | 580783            | 54.8             | 5                 | 2                          | 1704       | 1363       | -          |                         |
| 10      | 78181             | 83.7             | 5                 | 2                          | 1336       | 1275       | -          |                         |
| 11      | 238289            | 90.6             | 5                 | 3                          | 1446       | 1815       | 1977       |                         |
| 12      | 399092            | 62               | 5                 | 3                          | 1603       | 1680       | 1316       |                         |
| 13      | 561293            | 61               | 5                 | 2                          | 1024       | 1648       | -          |                         |
| 14      | 58416             | 99               | 5                 | 1                          | 1774       | -          | -          |                         |
| 15      | 219214            | 82.5             | 5                 | 2                          | 1732       | 1435       | -          |                         |
| 16      | 380157            | 66.8             | 5                 | 2                          | 1166       | 1960       | -          |                         |
| 17      | 542652            | 80.6             | 5                 | 1                          | 1206       | -          | -          |                         |

## Bin5 Statistics 5

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 43280                    | 70.9                    | 18                       | 2                                 | 1726              | 1853              | -                 | 1                              |
| 1              | 224263                   | 66.9                    | 18                       | 3                                 | 1225              | 1482              | 1032              |                                |
| 2              | 405813                   | 92.2                    | 18                       | 2                                 | 1474              | 1236              | -                 |                                |
| 3              | 587625                   | 74.3                    | 18                       | 1                                 | 1984              | -                 | -                 |                                |
| 4              | 20937                    | 62.3                    | 18                       | 3                                 | 1890              | 1522              | 1737              |                                |
| 5              | 202500                   | 92.9                    | 18                       | 1                                 | 1776              | -                 | -                 |                                |
| 6              | 382832                   | 96.6                    | 18                       | 3                                 | 1513              | 1151              | 1326              |                                |
| 7              | 565184                   | 65.7                    | 18                       | 2                                 | 1066              | 1043              | -                 |                                |
| 8              | 745868                   | 74.4                    | 18                       | 2                                 | 1651              | 1162              | -                 |                                |
| 9              | 180161                   | 57.1                    | 18                       | 1                                 | 1720              | -                 | -                 |                                |
| 10             | 361552                   | 95.4                    | 18                       | 1                                 | 1907              | -                 | -                 |                                |
| 11             | 543320                   | 84.3                    | 18                       | 1                                 | 1450              | -                 | -                 |                                |
| 12             | 725244                   | 82.9                    | 18                       | 1                                 | 1060              | -                 | -                 |                                |
| 13             | 157890                   | 54.9                    | 18                       | 1                                 | 1325              | -                 | -                 |                                |
| 14             | 338480                   | 52.2                    | 18                       | 2                                 | 1503              | 1999              | -                 |                                |
| 15             | 520892                   | 95.2                    | 18                       | 1                                 | 1544              | -                 | -                 |                                |

## Bin5 Statistics 6

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 861464            | 84.2             | 8                 | 3                          | 1974       | 1436       | 1738       | 1                       |
| 1       | 166335            | 50.5             | 8                 | 3                          | 1552       | 1046       | 1594       |                         |
| 2       | 388786            | 85.2             | 8                 | 3                          | 1741       | 1621       | 1792       |                         |
| 3       | 613647            | 97.5             | 8                 | 1                          | 1796       | -          | -          |                         |
| 4       | 837318            | 96.7             | 8                 | 1                          | 1542       | -          | -          |                         |
| 5       | 139347            | 87.9             | 8                 | 1                          | 1125       | -          | -          |                         |
| 6       | 362468            | 92.7             | 8                 | 2                          | 1044       | 1305       | -          |                         |
| 7       | 583839            | 61.5             | 8                 | 3                          | 1924       | 1623       | 1842       |                         |
| 8       | 808217            | 91.4             | 8                 | 2                          | 1393       | 1936       | -          |                         |
| 9       | 111430            | 72.2             | 8                 | 3                          | 1334       | 1133       | 1749       |                         |
| 10      | 334144            | 77.8             | 8                 | 3                          | 1577       | 1837       | 1183       |                         |
| 11      | 558825            | 56.9             | 8                 | 1                          | 1429       | -          | -          |                         |
| 12      | 780471            | 58.1             | 8                 | 2                          | 1659       | 1988       | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 91302             | 98.3             | 15                | 1                          | 1019       | -          | -          | 1                       |
| 1       | 333345            | 73.3             | 15                | 1                          | 1740       | -          | -          |                         |
| 2       | 574588            | 85.6             | 15                | 2                          | 1485       | 1758       | -          |                         |
| 3       | 817128            | 99.6             | 15                | 2                          | 1244       | 1028       | -          |                         |
| 4       | 61328             | 58.7             | 15                | 2                          | 1854       | 1280       | -          |                         |
| 5       | 303184            | 64.4             | 15                | 2                          | 1550       | 1304       | -          |                         |
| 6       | 546020            | 79.1             | 15                | 1                          | 1030       | -          | -          |                         |
| 7       | 786904            | 84.9             | 15                | 2                          | 1625       | 1177       | -          |                         |
| 8       | 31523             | 73.9             | 15                | 3                          | 1442       | 1033       | 1406       |                         |
| 9       | 272990            | 52.3             | 15                | 3                          | 1239       | 1138       | 1957       |                         |
| 10      | 514421            | 66.6             | 15                | 3                          | 1062       | 1507       | 1859       |                         |
| 11      | 758018            | 57.1             | 15                | 1                          | 1610       | -          | -          |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1060              | 57.1             | 8                 | 1                          | 1640       | -          | -          | 1                       |
| 1       | 145462            | 95.6             | 8                 | 3                          | 1671       | 1858       | 1056       |                         |
| 2       | 291385            | 72.9             | 8                 | 1                          | 1471       | -          | -          |                         |
| 3       | 434113            | 51.6             | 8                 | 3                          | 1832       | 1411       | 1565       |                         |
| 4       | 580931            | 94.7             | 8                 | 2                          | 1215       | 1057       | -          |                         |
| 5       | 128305            | 71.9             | 8                 | 1                          | 1642       | -          | -          |                         |
| 6       | 273692            | 78.8             | 8                 | 1                          | 1061       | -          | -          |                         |
| 7       | 418893            | 88.4             | 8                 | 1                          | 1147       | -          | -          |                         |
| 8       | 562780            | 66.8             | 8                 | 2                          | 1022       | 1562       | -          |                         |
| 9       | 110065            | 76.8             | 8                 | 2                          | 1954       | 1668       | -          |                         |
| 10      | 254782            | 98.5             | 8                 | 2                          | 1885       | 1557       | -          |                         |
| 11      | 400027            | 97.3             | 8                 | 2                          | 1395       | 1209       | -          |                         |
| 12      | 545867            | 69.4             | 8                 | 1                          | 1560       | -          | -          |                         |
| 13      | 92530             | 83.9             | 8                 | 1                          | 1797       | -          | -          |                         |
| 14      | 237759            | 83               | 8                 | 1                          | 1431       | -          | -          |                         |
| 15      | 383080            | 74.2             | 8                 | 1                          | 1197       | -          | -          |                         |
| 16      | 526665            | 80.7             | 8                 | 2                          | 1926       | 1134       | -          |                         |
| 17      | 74426             | 82.9             | 8                 | 3                          | 1128       | 1118       | 1425       |                         |
| 18      | 219742            | 90.1             | 8                 | 1                          | 1798       | -          | -          |                         |
| 19      | 364705            | 65.1             | 8                 | 1                          | 1994       | -          | -          |                         |

## Bin5 Statistics 9

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1132353           | 89.6             | 16                | 3                          | 1568       | 1402       | 1935       | 1                       |
| 1       | 126194            | 57.5             | 16                | 3                          | 1555       | 1191       | 1276       |                         |
| 2       | 449394            | 76.2             | 16                | 1                          | 1649       | -          | -          |                         |
| 3       | 770647            | 83.8             | 16                | 3                          | 1751       | 1401       | 1467       |                         |
| 4       | 1094615           | 59.7             | 16                | 2                          | 1527       | 1010       | -          |                         |
| 5       | 86445             | 84.8             | 16                | 3                          | 1923       | 1170       | 1488       |                         |
| 6       | 408745            | 74.1             | 16                | 3                          | 1479       | 1753       | 1234       |                         |
| 7       | 731023            | 90.5             | 16                | 3                          | 1605       | 1144       | 1742       |                         |
| 8       | 1054579           | 73.1             | 16                | 2                          | 1080       | 1809       | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 26224             | 60.3             | 7                 | 3                          | 1922       | 1404       | 1313       | 1                       |
| 1       | 207795            | 60.3             | 7                 | 1                          | 1768       | -          | -          |                         |
| 2       | 389508            | 98.3             | 7                 | 1                          | 1300       | -          | -          |                         |
| 3       | 570804            | 68.6             | 7                 | 1                          | 1677       | -          | -          |                         |
| 4       | 3974              | 90.3             | 7                 | 1                          | 1465       | -          | -          |                         |
| 5       | 185584            | 89.6             | 7                 | 1                          | 1196       | -          | -          |                         |
| 6       | 366907            | 92.4             | 7                 | 1                          | 1778       | -          | -          |                         |
| 7       | 548845            | 69.7             | 7                 | 1                          | 1135       | -          | -          |                         |
| 8       | 730289            | 59.9             | 7                 | 1                          | 1319       | -          | -          |                         |
| 9       | 162345            | 96.8             | 7                 | 3                          | 1851       | 1688       | 1645       |                         |
| 10      | 343715            | 50.2             | 7                 | 2                          | 1972       | 1628       | -          |                         |
| 11      | 524168            | 99               | 7                 | 3                          | 1201       | 1945       | 1269       |                         |
| 12      | 705358            | 68.5             | 7                 | 3                          | 1709       | 1002       | 1321       |                         |
| 13      | 140770            | 91.4             | 7                 | 1                          | 1588       | -          | -          |                         |
| 14      | 321082            | 71.5             | 7                 | 3                          | 1836       | 1449       | 1093       |                         |
| 15      | 501704            | 74.9             | 7                 | 3                          | 1831       | 1525       | 1341       |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 1369251                  | 88.4                    | 8                        | 3                                 | 1701              | 1227              | 1744              | 1                              |
| 1              | 237041                   | 80.1                    | 8                        | 1                                 | 1800              | -                 | -                 |                                |
| 2              | 600329                   | 74.9                    | 8                        | 1                                 | 1980              | -                 | -                 |                                |
| 3              | 963880                   | 81.4                    | 8                        | 1                                 | 1617              | -                 | -                 |                                |
| 4              | 1324114                  | 54.8                    | 8                        | 3                                 | 1388              | 1938              | 1871              |                                |
| 5              | 192268                   | 54.2                    | 8                        | 1                                 | 1917              | -                 | -                 |                                |
| 6              | 555660                   | 91                      | 8                        | 1                                 | 1756              | -                 | -                 |                                |
| 7              | 917342                   | 62.2                    | 8                        | 3                                 | 1679              | 1438              | 1394              |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 931369                   | 51.4                    | 14                       | 2                                 | 1417              | 1365              | -                 | 1                              |
| 1              | 107319                   | 67.6                    | 14                       | 1                                 | 1031              | -                 | -                 |                                |
| 2              | 371552                   | 99.6                    | 14                       | 1                                 | 1315              | -                 | -                 |                                |
| 3              | 634687                   | 69.4                    | 14                       | 2                                 | 1675              | 1569              | -                 |                                |
| 4              | 899970                   | 89.2                    | 14                       | 1                                 | 1441              | -                 | -                 |                                |
| 5              | 74737                    | 91.9                    | 14                       | 1                                 | 1356              | -                 | -                 |                                |
| 6              | 338525                   | 59.9                    | 14                       | 2                                 | 1612              | 1231              | -                 |                                |
| 7              | 602208                   | 97.8                    | 14                       | 2                                 | 1240              | 1979              | -                 |                                |
| 8              | 867696                   | 88.4                    | 14                       | 1                                 | 1098              | -                 | -                 |                                |
| 9              | 42143                    | 65.2                    | 14                       | 2                                 | 1245              | 1264              | -                 |                                |
| 10             | 305523                   | 56.4                    | 14                       | 3                                 | 1260              | 1819              | 1530              |                                |

## Bin5 Statistics 13

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 523177                   | 66.5                    | 9                        | 1                                 | 1157              | -                 | -                 | 1                              |
| 1              | 764068                   | 50.2                    | 9                        | 2                                 | 1931              | 1000              | -                 |                                |
| 2              | 8818                     | 78.6                    | 9                        | 2                                 | 1229              | 1878              | -                 |                                |
| 3              | 251116                   | 79.1                    | 9                        | 1                                 | 1036              | -                 | -                 |                                |
| 4              | 491896                   | 94.4                    | 9                        | 3                                 | 1656              | 1370              | 1048              |                                |
| 5              | 733453                   | 90.7                    | 9                        | 3                                 | 1200              | 1835              | 1020              |                                |
| 6              | 977049                   | 54.5                    | 9                        | 1                                 | 1963              | -                 | -                 |                                |
| 7              | 220794                   | 70.7                    | 9                        | 2                                 | 1259              | 1939              | -                 |                                |
| 8              | 461892                   | 86.2                    | 9                        | 3                                 | 1606              | 1439              | 1572              |                                |
| 9              | 703279                   | 89.9                    | 9                        | 3                                 | 1069              | 1787              | 1795              |                                |
| 10             | 947757                   | 66.1                    | 9                        | 1                                 | 1412              | -                 | -                 |                                |
| 11             | 190976                   | 71                      | 9                        | 3                                 | 1301              | 1007              | 1096              |                                |



## Bin5 Statistics 14

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 258540                   | 66.2                    | 15                       | 3                                 | 1865              | 1255              | 1386              | 1                              |
| 1              | 404230                   | 54.7                    | 15                       | 2                                 | 1194              | 1444              | -                 |                                |
| 2              | 549808                   | 58.9                    | 15                       | 1                                 | 1877              | -                 | -                 |                                |
| 3              | 96364                    | 71.4                    | 15                       | 3                                 | 1216              | 1615              | 1427              |                                |
| 4              | 240652                   | 54.6                    | 15                       | 3                                 | 1050              | 1822              | 1876              |                                |
| 5              | 385693                   | 99.3                    | 15                       | 2                                 | 1734              | 1973              | -                 |                                |
| 6              | 529234                   | 59                      | 15                       | 3                                 | 1788              | 1235              | 1897              |                                |
| 7              | 78560                    | 68.3                    | 15                       | 3                                 | 1496              | 1169              | 1638              |                                |
| 8              | 223598                   | 56.1                    | 15                       | 2                                 | 1534              | 1266              | -                 |                                |
| 9              | 369014                   | 69.3                    | 15                       | 1                                 | 1867              | -                 | -                 |                                |
| 10             | 513092                   | 86                      | 15                       | 2                                 | 1937              | 1079              | -                 |                                |
| 11             | 60901                    | 67.2                    | 15                       | 2                                 | 1492              | 1476              | -                 |                                |
| 12             | 205211                   | 72.7                    | 15                       | 3                                 | 1551              | 1190              | 1644              |                                |
| 13             | 351113                   | 90                      | 15                       | 1                                 | 1921              | -                 | -                 |                                |
| 14             | 494058                   | 73                      | 15                       | 3                                 | 1271              | 1694              | 1497              |                                |
| 15             | 42919                    | 80.5                    | 15                       | 3                                 | 1916              | 1397              | 1681              |                                |
| 16             | 187110                   | 68                      | 15                       | 3                                 | 1630              | 1953              | 1779              |                                |
| 17             | 333295                   | 86.9                    | 15                       | 1                                 | 1833              | -                 | -                 |                                |
| 18             | 476934                   | 52.5                    | 15                       | 3                                 | 1445              | 1146              | 1037              |                                |
| 19             | 25248                    | 60.6                    | 15                       | 2                                 | 1480              | 1038              | -                 |                                |

## Bin5 Statistics 15

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 212670                   | 53.3                    | 8                        | 2                                 | 1655              | 1578              | -                 | 1                              |
| 1              | 394024                   | 84.9                    | 8                        | 2                                 | 1296              | 1484              | -                 |                                |
| 2              | 575155                   | 54.9                    | 8                        | 2                                 | 1081              | 1820              | -                 |                                |
| 3              | 9239                     | 74.7                    | 8                        | 2                                 | 1932              | 1900              | -                 |                                |
| 4              | 190439                   | 59.7                    | 8                        | 2                                 | 1054              | 1873              | -                 |                                |
| 5              | 370816                   | 50.9                    | 8                        | 3                                 | 1359              | 1614              | 1586              |                                |
| 6              | 554242                   | 80.6                    | 8                        | 1                                 | 1001              | -                 | -                 |                                |
| 7              | 735059                   | 90.8                    | 8                        | 1                                 | 1855              | -                 | -                 |                                |
| 8              | 167611                   | 50.2                    | 8                        | 3                                 | 1812              | 1747              | 1633              |                                |
| 9              | 348811                   | 83.5                    | 8                        | 3                                 | 1486              | 1391              | 1116              |                                |
| 10             | 531544                   | 54.8                    | 8                        | 1                                 | 1454              | -                 | -                 |                                |
| 11             | 710156                   | 72.4                    | 8                        | 3                                 | 1499              | 1946              | 1089              |                                |
| 12             | 146169                   | 85.3                    | 8                        | 1                                 | 1049              | -                 | -                 |                                |
| 13             | 327093                   | 96.6                    | 8                        | 2                                 | 1065              | 1629              | -                 |                                |
| 14             | 508998                   | 83.4                    | 8                        | 1                                 | 1725              | -                 | -                 |                                |
| 15             | 690327                   | 64.6                    | 8                        | 1                                 | 1889              | -                 | -                 |                                |

## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 123190                   | 80.3                    | 7                        | 3                                 | 1772              | 1168              | 1771              | 1                              |
| 1              | 304846                   | 70.5                    | 7                        | 2                                 | 1461              | 1041              | -                 |                                |
| 2              | 484466                   | 55.2                    | 7                        | 3                                 | 1295              | 1894              | 1884              |                                |
| 3              | 668575                   | 98.6                    | 7                        | 1                                 | 1219              | -                 | -                 |                                |
| 4              | 101133                   | 79.3                    | 7                        | 2                                 | 1997              | 1173              | -                 |                                |
| 5              | 281857                   | 97                      | 7                        | 3                                 | 1440              | 1136              | 1667              |                                |
| 6              | 464169                   | 50.3                    | 7                        | 1                                 | 1918              | -                 | -                 |                                |
| 7              | 646072                   | 97.3                    | 7                        | 1                                 | 1374              | -                 | -                 |                                |
| 8              | 78950                    | 64.2                    | 7                        | 1                                 | 1958              | -                 | -                 |                                |
| 9              | 260414                   | 61.4                    | 7                        | 1                                 | 1841              | -                 | -                 |                                |
| 10             | 442170                   | 56.4                    | 7                        | 1                                 | 1328              | -                 | -                 |                                |
| 11             | 621686                   | 54.3                    | 7                        | 3                                 | 1270              | 1342              | 1189              |                                |
| 12             | 56664                    | 67.7                    | 7                        | 1                                 | 1149              | -                 | -                 |                                |
| 13             | 238304                   | 74                      | 7                        | 1                                 | 1087              | -                 | -                 |                                |
| 14             | 419103                   | 52.7                    | 7                        | 2                                 | 1084              | 1494              | -                 |                                |
| 15             | 600092                   | 99.3                    | 7                        | 2                                 | 1807              | 1124              | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 49748             | 87.3             | 14                | 3                          | 1159       | 1860       | 1537       | 1                       |
| 1       | 313366            | 55.5             | 14                | 3                          | 1582       | 1347       | 1129       |                         |
| 2       | 577813            | 67.7             | 14                | 2                          | 1310       | 1145       | -          |                         |
| 3       | 841527            | 81.3             | 14                | 2                          | 1746       | 1059       | -          |                         |
| 4       | 17313             | 99.8             | 14                | 3                          | 1045       | 1154       | 1156       |                         |
| 5       | 280619            | 84.2             | 14                | 3                          | 1998       | 1184       | 1952       |                         |
| 6       | 544983            | 61.6             | 14                | 2                          | 1428       | 1652       | -          |                         |
| 7       | 806911            | 53.6             | 14                | 3                          | 1862       | 1959       | 1821       |                         |
| 8       | 1073942           | 68.7             | 14                | 1                          | 1769       | -          | -          |                         |
| 9       | 248645            | 68.3             | 14                | 2                          | 1421       | 1689       | -          |                         |
| 10      | 513155            | 68               | 14                | 1                          | 1658       | -          | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 568155            | 72.7             | 5                 | 3                          | 1262       | 1278       | 1322       | 1                       |
| 1       | 761055            | 64.4             | 5                 | 3                          | 1311       | 1353       | 1396       |                         |
| 2       | 158361            | 63.5             | 5                 | 2                          | 1221       | 1802       | -          |                         |
| 3       | 352495            | 81.9             | 5                 | 1                          | 1115       | -          | -          |                         |
| 4       | 544820            | 76.2             | 5                 | 2                          | 1880       | 1327       | -          |                         |
| 5       | 737461            | 56.6             | 5                 | 3                          | 1432       | 1335       | 1094       |                         |
| 6       | 134575            | 58.3             | 5                 | 2                          | 1102       | 1785       | -          |                         |
| 7       | 328536            | 50.2             | 5                 | 1                          | 1340       | -          | -          |                         |
| 8       | 521308            | 97.5             | 5                 | 2                          | 1650       | 1110       | -          |                         |
| 9       | 714834            | 81.6             | 5                 | 2                          | 1343       | 1228       | -          |                         |
| 10      | 110723            | 54               | 5                 | 2                          | 1719       | 1443       | -          |                         |
| 11      | 304429            | 81.3             | 5                 | 1                          | 1991       | -          | -          |                         |
| 12      | 497420            | 56.3             | 5                 | 2                          | 1863       | 1011       | -          |                         |
| 13      | 692150            | 84.6             | 5                 | 1                          | 1257       | -          | -          |                         |
| 14      | 87055             | 57.7             | 5                 | 1                          | 1908       | -          | -          |                         |

## Bin5 Statistics 19

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247056                   | 60.4                    | 10                       | 2                                 | 1535              | 1706              | -                 | 1                              |
| 1              | 418394                   | 98.3                    | 10                       | 1                                 | 1684              | -                 | -                 |                                |
| 2              | 587682                   | 94.6                    | 10                       | 2                                 | 1823              | 1657              | -                 |                                |
| 3              | 55717                    | 76.3                    | 10                       | 2                                 | 1083              | 1350              | -                 |                                |
| 4              | 226631                   | 73.1                    | 10                       | 1                                 | 1483              | -                 | -                 |                                |
| 5              | 396842                   | 76.2                    | 10                       | 2                                 | 1237              | 1360              | -                 |                                |
| 6              | 568183                   | 80.7                    | 10                       | 1                                 | 1639              | -                 | -                 |                                |
| 7              | 34589                    | 55.6                    | 10                       | 3                                 | 1366              | 1460              | 1892              |                                |
| 8              | 205678                   | 85.1                    | 10                       | 1                                 | 1174              | -                 | -                 |                                |
| 9              | 375310                   | 79.8                    | 10                       | 2                                 | 1624              | 1948              | -                 |                                |
| 10             | 544902                   | 78.8                    | 10                       | 3                                 | 1272              | 1613              | 1641              |                                |
| 11             | 13664                    | 52                      | 10                       | 3                                 | 1130              | 1025              | 1455              |                                |
| 12             | 184599                   | 64.9                    | 10                       | 1                                 | 1273              | -                 | -                 |                                |
| 13             | 355595                   | 96.1                    | 10                       | 1                                 | 1063              | -                 | -                 |                                |
| 14             | 526399                   | 58.9                    | 10                       | 1                                 | 1246              | -                 | -                 |                                |
| 15             | 693901                   | 51.6                    | 10                       | 3                                 | 1951              | 1708              | 1018              |                                |
| 16             | 163382                   | 79.8                    | 10                       | 1                                 | 1995              | -                 | -                 |                                |

## Bin5 Statistics 20

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 334449            | 61               | 10                | 1                          | 1252       | -          | -          | 1                       |
| 1       | 502892            | 78.9             | 10                | 3                          | 1123       | 1600       | 1949       |                         |
| 2       | 674400            | 77.6             | 10                | 2                          | 1585       | 1584       | -          |                         |
| 3       | 142126            | 82.8             | 10                | 2                          | 1475       | 1646       | -          |                         |
| 4       | 312774            | 50.7             | 10                | 2                          | 1250       | 1408       | -          |                         |
| 5       | 484263            | 79.6             | 10                | 1                          | 1297       | -          | -          |                         |
| 6       | 651868            | 80.3             | 10                | 3                          | 1718       | 1131       | 1975       |                         |
| 7       | 121407            | 97.7             | 10                | 1                          | 1520       | -          | -          |                         |
| 8       | 291476            | 59.4             | 10                | 2                          | 1599       | 1757       | -          |                         |
| 9       | 463012            | 73.8             | 10                | 1                          | 1604       | -          | -          |                         |
| 10      | 633513            | 55.3             | 10                | 1                          | 1947       | -          | -          |                         |
| 11      | 100362            | 67.6             | 10                | 1                          | 1540       | -          | -          |                         |
| 12      | 271265            | 83.3             | 10                | 1                          | 1338       | -          | -          |                         |
| 13      | 441039            | 74.3             | 10                | 2                          | 1573       | 1518       | -          |                         |
| 14      | 610231            | 61.3             | 10                | 3                          | 1302       | 1715       | 1519       |                         |
| 15      | 79332             | 96.8             | 10                | 1                          | 1434       | -          | -          |                         |
| 16      | 249337            | 92.1             | 10                | 2                          | 1956       | 1861       | -          |                         |

## Bin5 Statistics 21

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 356519                   | 73.8                    | 16                       | 2                                 | 1524              | 1970              | -                 | 1                              |
| 1              | 502968                   | 63.3                    | 16                       | 1                                 | 1378              | -                 | -                 |                                |
| 2              | 49489                    | 59                      | 16                       | 1                                 | 1883              | -                 | -                 |                                |
| 3              | 193881                   | 92.5                    | 16                       | 3                                 | 1618              | 1027              | 1298              |                                |
| 4              | 340074                   | 95.3                    | 16                       | 1                                 | 1073              | -                 | -                 |                                |
| 5              | 483891                   | 91.8                    | 16                       | 2                                 | 1780              | 1072              | -                 |                                |
| 6              | 31565                    | 92.1                    | 16                       | 2                                 | 1637              | 1308              | -                 |                                |
| 7              | 176784                   | 58.8                    | 16                       | 1                                 | 1541              | -                 | -                 |                                |
| 8              | 321916                   | 78.5                    | 16                       | 1                                 | 1566              | -                 | -                 |                                |
| 9              | 465759                   | 52.1                    | 16                       | 2                                 | 1993              | 1233              | -                 |                                |
| 10             | 13726                    | 97.4                    | 16                       | 2                                 | 1636              | 1415              | -                 |                                |
| 11             | 158962                   | 54.5                    | 16                       | 1                                 | 1329              | -                 | -                 |                                |
| 12             | 303172                   | 93.4                    | 16                       | 2                                 | 1368              | 1902              | -                 |                                |
| 13             | 449467                   | 54.2                    | 16                       | 1                                 | 1180              | -                 | -                 |                                |
| 14             | 594430                   | 88.6                    | 16                       | 1                                 | 1451              | -                 | -                 |                                |
| 15             | 140559                   | 79.9                    | 16                       | 2                                 | 1626              | 1901              | -                 |                                |
| 16             | 285296                   | 74.2                    | 16                       | 2                                 | 1811              | 1563              | -                 |                                |
| 17             | 431528                   | 70.2                    | 16                       | 1                                 | 1248              | -                 | -                 |                                |
| 18             | 574150                   | 77.4                    | 16                       | 3                                 | 1100              | 1459              | 1383              |                                |
| 19             | 122580                   | 56.9                    | 16                       | 3                                 | 1358              | 1818              | 1126              |                                |

## Bin5 Statistics 22

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 595681            | 74.9             | 18                | 3                          | 1517       | 1186       | 1895       | 1                       |
| 1       | 918309            | 59.7             | 18                | 3                          | 1289       | 1699       | 1078       |                         |
| 2       | 1242915           | 68.7             | 18                | 1                          | 1691       | -          | -          |                         |
| 3       | 233810            | 64.2             | 18                | 3                          | 1143       | 1387       | 1592       |                         |
| 4       | 557177            | 78.6             | 18                | 1                          | 1752       | -          | -          |                         |
| 5       | 879576            | 63.7             | 18                | 2                          | 1040       | 1547       | -          |                         |
| 6       | 1201131           | 52.4             | 18                | 2                          | 1987       | 1920       | -          |                         |
| 7       | 194443            | 75.4             | 18                | 1                          | 1775       | -          | -          |                         |
| 8       | 516376            | 88               | 18                | 3                          | 1682       | 1695       | 1004       |                         |

## Bin5 Statistics 23

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 754855            | 51.7             | 16                | 3                          | 1075       | 1413       | 1399       | 1                       |
| 1       | 1046789           | 55.4             | 16                | 1                          | 1781       | -          | -          |                         |
| 2       | 139233            | 67.4             | 16                | 1                          | 1294       | -          | -          |                         |
| 3       | 429544            | 55.3             | 16                | 2                          | 1410       | 1034       | -          |                         |
| 4       | 719440            | 72.8             | 16                | 2                          | 1848       | 1511       | -          |                         |
| 5       | 1009923           | 72.2             | 16                | 2                          | 1961       | 1090       | -          |                         |
| 6       | 103149            | 95.6             | 16                | 3                          | 1591       | 1017       | 1850       |                         |
| 7       | 393746            | 92.7             | 16                | 2                          | 1318       | 1193       | -          |                         |
| 8       | 683807            | 87.4             | 16                | 2                          | 1220       | 1934       | -          |                         |
| 9       | 973533            | 65.8             | 16                | 3                          | 1188       | 1107       | 1531       |                         |



## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 56310                    | 87.2                    | 16                       | 1                                 | 1665              | -                 | -                 | 1                              |
| 1              | 298376                   | 85.5                    | 16                       | 1                                 | 1870              | -                 | -                 |                                |
| 2              | 540911                   | 74                      | 16                       | 1                                 | 1026              | -                 | -                 |                                |
| 3              | 781319                   | 72.3                    | 16                       | 2                                 | 1830              | 1587              | -                 |                                |
| 4              | 26446                    | 77.5                    | 16                       | 3                                 | 1013              | 1142              | 1005              |                                |
| 5              | 268774                   | 83                      | 16                       | 1                                 | 1067              | -                 | -                 |                                |
| 6              | 509415                   | 93.1                    | 16                       | 3                                 | 1155              | 1969              | 1132              |                                |
| 7              | 752757                   | 66                      | 16                       | 1                                 | 1813              | -                 | -                 |                                |
| 8              | 994686                   | 69.5                    | 16                       | 1                                 | 1976              | -                 | -                 |                                |
| 9              | 238249                   | 66.7                    | 16                       | 3                                 | 1112              | 1389              | 1419              |                                |
| 10             | 480310                   | 87.8                    | 16                       | 2                                 | 1801              | 1122              | -                 |                                |
| 11             | 720864                   | 59.1                    | 16                       | 3                                 | 1805              | 1571              | 1299              |                                |

## Bin5 Statistics 25

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 642676                   | 54                      | 15                       | 1                                 | 1909              | -                 | -                 | 1                              |
| 1              | 138691                   | 84                      | 15                       | 3                                 | 1330              | 1622              | 1114              |                                |
| 2              | 299463                   | 89.8                    | 15                       | 2                                 | 1985              | 1925              | -                 |                                |
| 3              | 460170                   | 67.1                    | 15                       | 3                                 | 1230              | 1029              | 1697              |                                |
| 4              | 619771                   | 64.1                    | 15                       | 3                                 | 1505              | 1944              | 1710              |                                |
| 5              | 118742                   | 94.7                    | 15                       | 3                                 | 1735              | 1608              | 1583              |                                |
| 6              | 280307                   | 94.8                    | 15                       | 2                                 | 1008              | 1376              | -                 |                                |
| 7              | 440700                   | 63.8                    | 15                       | 2                                 | 1635              | 1827              | -                 |                                |
| 8              | 602615                   | 81.6                    | 15                       | 2                                 | 1121              | 1165              | -                 |                                |
| 9              | 99539                    | 89.4                    | 15                       | 1                                 | 1141              | -                 | -                 |                                |
| 10             | 260964                   | 66.7                    | 15                       | 1                                 | 1104              | -                 | -                 |                                |
| 11             | 420909                   | 70.9                    | 15                       | 2                                 | 1533              | 1896              | -                 |                                |
| 12             | 583191                   | 76.7                    | 15                       | 1                                 | 1803              | -                 | -                 |                                |
| 13             | 79655                    | 96.7                    | 15                       | 1                                 | 1152              | -                 | -                 |                                |
| 14             | 240360                   | 79.9                    | 15                       | 2                                 | 1339              | 1755              | -                 |                                |
| 15             | 400970                   | 99.3                    | 15                       | 2                                 | 1869              | 1766              | -                 |                                |
| 16             | 560939                   | 70.5                    | 15                       | 3                                 | 1857              | 1653              | 1113              |                                |
| 17             | 59660                    | 82                      | 15                       | 2                                 | 1223              | 1187              | -                 |                                |

## Bin5 Statistics 26

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 398203            | 93.1             | 8                 | 1                          | 1844       | -          | -          | 1                       |
| 1       | 688966            | 87.3             | 8                 | 1                          | 1543       | -          | -          |                         |
| 2       | 979448            | 86.9             | 8                 | 1                          | 1765       | -          | -          |                         |
| 3       | 71712             | 54.4             | 8                 | 2                          | 1882       | 1739       | -          |                         |
| 4       | 361775            | 90.3             | 8                 | 3                          | 1222       | 1509       | 1207       |                         |
| 5       | 652201            | 71.5             | 8                 | 2                          | 1678       | 1632       | -          |                         |
| 6       | 942542            | 50.9             | 8                 | 2                          | 1508       | 1666       | -          |                         |
| 7       | 36040             | 87.5             | 8                 | 1                          | 1323       | -          | -          |                         |
| 8       | 326476            | 91.2             | 8                 | 2                          | 1286       | 1068       | -          |                         |
| 9       | 616558            | 81.3             | 8                 | 2                          | 1784       | 1317       | -          |                         |

## Bin5 Statistics 27

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 503405            | 85.5             | 12                | 2                          | 1015       | 1232       | -          | 1                       |
| 1       | 128               | 97.7             | 12                | 2                          | 1003       | 1285       | -          |                         |
| 2       | 161157            | 82.9             | 12                | 2                          | 1109       | 1607       | -          |                         |
| 3       | 321803            | 58.6             | 12                | 2                          | 1536       | 1968       | -          |                         |
| 4       | 484221            | 50.2             | 12                | 1                          | 1333       | -          | -          |                         |
| 5       | 645420            | 92.7             | 12                | 1                          | 1504       | -          | -          |                         |
| 6       | 140943            | 51.4             | 12                | 3                          | 1698       | 1426       | 1372       |                         |
| 7       | 302850            | 83.5             | 12                | 1                          | 1620       | -          | -          |                         |
| 8       | 464077            | 65.5             | 12                | 1                          | 1716       | -          | -          |                         |
| 9       | 623105            | 55.7             | 12                | 3                          | 1226       | 1662       | 1214       |                         |
| 10      | 121448            | 58.1             | 12                | 2                          | 1424       | 1501       | -          |                         |
| 11      | 282073            | 50.8             | 12                | 3                          | 1490       | 1256       | 1009       |                         |
| 12      | 444576            | 97.9             | 12                | 1                          | 1172       | -          | -          |                         |
| 13      | 605444            | 73.5             | 12                | 1                          | 1760       | -          | -          |                         |
| 14      | 101856            | 84.3             | 12                | 1                          | 1377       | -          | -          |                         |
| 15      | 263174            | 97.9             | 12                | 1                          | 1469       | -          | -          |                         |
| 16      | 422727            | 68.8             | 12                | 3                          | 1185       | 1872       | 1198       |                         |
| 17      | 583099            | 53.1             | 12                | 3                          | 1314       | 1912       | 1352       |                         |

## Bin5 Statistics 28

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 134253            | 95.7             | 11                | 1                          | 1422       | -          | -          | 1                       |
| 1       | 397960            | 80.9             | 11                | 2                          | 1051       | 1816       | -          |                         |
| 2       | 661003            | 53               | 11                | 3                          | 1218       | 1575       | 1457       |                         |
| 3       | 927055            | 93.9             | 11                | 1                          | 1309       | -          | -          |                         |
| 4       | 101697            | 95.5             | 11                | 1                          | 1514       | -          | -          |                         |
| 5       | 365612            | 87.5             | 11                | 2                          | 1385       | 1016       | -          |                         |
| 6       | 629071            | 73.7             | 11                | 2                          | 1690       | 1643       | -          |                         |
| 7       | 892955            | 50.4             | 11                | 2                          | 1601       | 1595       | -          |                         |
| 8       | 69019             | 72.3             | 11                | 3                          | 1265       | 1199       | 1148       |                         |
| 9       | 332729            | 99.6             | 11                | 3                          | 1111       | 1390       | 1092       |                         |
| 10      | 597360            | 93.7             | 11                | 1                          | 1911       | -          | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 523666            | 68.3             | 9                 | 3                          | 1773       | 1086       | 1838       | 1                       |
| 1       | 22338             | 66.2             | 9                 | 1                          | 1915       | -          | -          |                         |
| 2       | 182664            | 76.7             | 9                 | 3                          | 1627       | 1810       | 1729       |                         |
| 3       | 344109            | 53.4             | 9                 | 2                          | 1532       | 1686       | -          |                         |
| 4       | 504431            | 63.5             | 9                 | 3                          | 1095       | 1344       | 1548       |                         |
| 5       | 2471              | 78.4             | 9                 | 3                          | 1023       | 1661       | 1458       |                         |
| 6       | 163109            | 83.9             | 9                 | 3                          | 1487       | 1523       | 1312       |                         |
| 7       | 324248            | 56.4             | 9                 | 2                          | 1462       | 1840       | -          |                         |
| 8       | 483818            | 58.1             | 9                 | 3                          | 1829       | 1510       | 1763       |                         |
| 9       | 647348            | 70.6             | 9                 | 1                          | 1940       | -          | -          |                         |
| 10      | 143393            | 84               | 9                 | 3                          | 1119       | 1631       | 1247       |                         |
| 11      | 305234            | 95.3             | 9                 | 1                          | 1549       | -          | -          |                         |
| 12      | 466645            | 96.4             | 9                 | 1                          | 1409       | -          | -          |                         |
| 13      | 625888            | 83.8             | 9                 | 2                          | 1913       | 1723       | -          |                         |
| 14      | 124092            | 64.8             | 9                 | 1                          | 1337       | -          | -          |                         |
| 15      | 285492            | 73.9             | 9                 | 1                          | 1251       | -          | -          |                         |
| 16      | 446574            | 92.2             | 9                 | 1                          | 1702       | -          | -          |                         |
| 17      | 605459            | 89.5             | 9                 | 3                          | 1127       | 1721       | 1468       |                         |

## Bin5 Statistics 30

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 98254             | 63.3             | 18                | 3                          | 1493       | 1238       | 1581       | 1                       |
| 1       | 251341            | 70.2             | 18                | 1                          | 1919       | -          | -          |                         |
| 2       | 403721            | 92.5             | 18                | 2                          | 1053       | 1384       | -          |                         |
| 3       | 556179            | 52.6             | 18                | 2                          | 1290       | 1292       | -          |                         |
| 4       | 79664             | 97.8             | 18                | 2                          | 1799       | 1331       | -          |                         |
| 5       | 232833            | 91.8             | 18                | 1                          | 1099       | -          | -          |                         |
| 6       | 383778            | 60.3             | 18                | 3                          | 1283       | 1672       | 1357       |                         |
| 7       | 536469            | 78.2             | 18                | 3                          | 1307       | 1077       | 1274       |                         |
| 8       | 61014             | 91.7             | 18                | 1                          | 1847       | -          | -          |                         |
| 9       | 213243            | 52.2             | 18                | 2                          | 1748       | 1576       | -          |                         |
| 10      | 364630            | 95.4             | 18                | 3                          | 1539       | 2000       | 1477       |                         |
| 11      | 517132            | 84.9             | 18                | 3                          | 1153       | 1903       | 1303       |                         |
| 12      | 42040             | 99.8             | 18                | 3                          | 1808       | 1195       | 1258       |                         |
| 13      | 194790            | 70.4             | 18                | 2                          | 1163       | 1140       | -          |                         |
| 14      | 346381            | 51.8             | 18                | 3                          | 1546       | 1213       | 1407       |                         |
| 15      | 500624            | 89.9             | 18                | 1                          | 1554       | -          | -          |                         |
| 16      | 23332             | 97.2             | 18                | 2                          | 1598       | 1764       | -          |                         |
| 17      | 175953            | 89.5             | 18                | 2                          | 1379       | 1058       | -          |                         |
| 18      | 327639            | 81.4             | 18                | 3                          | 1047       | 1481       | 1634       |                         |

**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                       | 5683             | 5432 | 5487 | 5300 | 5601 |
|                      |          |              |                  |          |                         | 5637             | 5700 | 5510 | 5310 | 5385 |
|                      |          |              |                  |          |                         | 5535             | 5383 | 5339 | 5354 | 5278 |
|                      |          |              |                  |          |                         | 5709             | 5689 | 5457 | 5671 | 5714 |
|                      |          |              |                  |          |                         | 5557             | 5704 | 5553 | 5345 | 5525 |
|                      |          |              |                  |          |                         | 5523             | 5701 | 5279 | 5453 | 5565 |
|                      |          |              |                  |          |                         | 5623             | 5373 | 5391 | 5485 | 5318 |
|                      |          |              |                  |          |                         | 5660             | 5501 | 5544 | 5629 | 5292 |
|                      |          |              |                  |          |                         | 5563             | 5468 | 5543 | 5515 | 5558 |
|                      |          |              |                  |          |                         | 5551             | 5571 | 5498 | 5288 | 5304 |
|                      |          |              |                  |          |                         | 5291             | 5325 | 5394 | 5659 | 5302 |
|                      |          |              |                  |          |                         | 5326             | 5461 | 5346 | 5578 | 5679 |
|                      |          |              |                  |          |                         | 5642             | 5260 | 5295 | 5615 | 5641 |
|                      |          |              |                  |          |                         | 5452             | 5619 | 5420 | 5653 | 5662 |
|                      |          |              |                  |          |                         | 5547             | 5527 | 5690 | 5497 | 5433 |
|                      |          |              |                  |          |                         | 5680             | 5569 | 5429 | 5316 | 5412 |
|                      |          |              |                  |          |                         | 5341             | 5384 | 5532 | 5584 | 5290 |
|                      |          |              |                  |          |                         | 5545             | 5301 | 5435 | 5646 | 5556 |
|                      |          |              |                  |          |                         | 5630             | 5567 | 5661 | 5655 | 5393 |
|                      |          |              |                  |          |                         | 5491             | 5706 | 5596 | 5397 | 5572 |
| (number of hits: 8 ) |          |              |                  |          |                         |                  |      |      |      |      |
| 2                    | 5510.0   | 9            | 1.0              | 333      | 1                       | 5357             | 5450 | 5723 | 5664 | 5278 |
|                      |          |              |                  |          |                         | 5597             | 5449 | 5373 | 5684 | 5274 |
|                      |          |              |                  |          |                         | 5515             | 5634 | 5594 | 5543 | 5341 |
|                      |          |              |                  |          |                         | 5614             | 5451 | 5367 | 5577 | 5492 |
|                      |          |              |                  |          |                         | 5353             | 5259 | 5696 | 5356 | 5620 |
|                      |          |              |                  |          |                         | 5656             | 5345 | 5429 | 5615 | 5471 |
|                      |          |              |                  |          |                         | 5539             | 5435 | 5609 | 5689 | 5528 |
|                      |          |              |                  |          |                         | 5595             | 5419 | 5319 | 5394 | 5488 |
|                      |          |              |                  |          |                         | 5271             | 5628 | 5629 | 5486 | 5439 |
|                      |          |              |                  |          |                         | 5598             | 5267 | 5447 | 5638 | 5704 |
|                      |          |              |                  |          |                         | 5650             | 5677 | 5591 | 5602 | 5514 |
|                      |          |              |                  |          |                         | 5348             | 5576 | 5714 | 5391 | 5444 |
|                      |          |              |                  |          |                         | 5599             | 5270 | 5483 | 5560 | 5460 |
|                      |          |              |                  |          |                         | 5330             | 5372 | 5630 | 5362 | 5445 |
|                      |          |              |                  |          |                         | 5382             | 5320 | 5339 | 5547 | 5452 |
|                      |          |              |                  |          |                         | 5264             | 5369 | 5261 | 5623 | 5516 |
| 5258                 | 5643     | 5569         | 5257             | 5522     |                         |                  |      |      |      |      |
| 5430                 | 5366     | 5527         | 5275             | 5297     |                         |                  |      |      |      |      |

|   |        |   |     |     |   |                      |      |      |      |      |
|---|--------|---|-----|-----|---|----------------------|------|------|------|------|
|   |        |   |     |     |   | 5711                 | 5416 | 5276 | 5359 | 5476 |
|   |        |   |     |     |   | 5459                 | 5335 | 5509 | 5518 | 5607 |
|   |        |   |     |     |   | (number of hits:7 )  |      |      |      |      |
| 3 | 5510.0 | 9 | 1.0 | 333 | 1 | 5612                 | 5689 | 5659 | 5350 | 5595 |
|   |        |   |     |     |   | 5639                 | 5374 | 5448 | 5372 | 5481 |
|   |        |   |     |     |   | 5349                 | 5423 | 5635 | 5263 | 5362 |
|   |        |   |     |     |   | 5702                 | 5578 | 5470 | 5525 | 5684 |
|   |        |   |     |     |   | 5361                 | 5425 | 5637 | 5445 | 5593 |
|   |        |   |     |     |   | 5544                 | 5672 | 5632 | 5341 | 5505 |
|   |        |   |     |     |   | 5581                 | 5324 | 5566 | 5429 | 5680 |
|   |        |   |     |     |   | 5415                 | 5558 | 5410 | 5665 | 5660 |
|   |        |   |     |     |   | 5564                 | 5334 | 5424 | 5679 | 5671 |
|   |        |   |     |     |   | 5427                 | 5721 | 5287 | 5703 | 5467 |
|   |        |   |     |     |   | 5303                 | 5565 | 5437 | 5302 | 5561 |
|   |        |   |     |     |   | 5482                 | 5301 | 5314 | 5357 | 5625 |
|   |        |   |     |     |   | 5456                 | 5308 | 5294 | 5394 | 5418 |
|   |        |   |     |     |   | 5530                 | 5609 | 5274 | 5619 | 5438 |
|   |        |   |     |     |   | 5560                 | 5588 | 5723 | 5695 | 5592 |
|   |        |   |     |     |   | 5636                 | 5304 | 5624 | 5461 | 5582 |
|   |        |   |     |     |   | 5513                 | 5686 | 5493 | 5363 | 5722 |
|   |        |   |     |     |   | 5653                 | 5614 | 5296 | 5443 | 5457 |
|   |        |   |     |     |   | 5370                 | 5524 | 5557 | 5641 | 5465 |
|   |        |   |     |     |   | 5369                 | 5299 | 5618 | 5535 | 5662 |
|   |        |   |     |     |   | (number of hits: 5 ) |      |      |      |      |
| 4 | 5510.0 | 9 | 1.0 | 333 | 1 | 5392                 | 5453 | 5595 | 5511 | 5340 |
|   |        |   |     |     |   | 5303                 | 5396 | 5523 | 5535 | 5310 |
|   |        |   |     |     |   | 5280                 | 5687 | 5676 | 5458 | 5383 |
|   |        |   |     |     |   | 5693                 | 5608 | 5573 | 5570 | 5401 |
|   |        |   |     |     |   | 5369                 | 5591 | 5675 | 5437 | 5566 |
|   |        |   |     |     |   | 5335                 | 5621 | 5360 | 5445 | 5539 |
|   |        |   |     |     |   | 5720                 | 5688 | 5644 | 5454 | 5613 |
|   |        |   |     |     |   | 5600                 | 5501 | 5461 | 5416 | 5671 |
|   |        |   |     |     |   | 5403                 | 5417 | 5362 | 5347 | 5592 |
|   |        |   |     |     |   | 5503                 | 5407 | 5426 | 5723 | 5281 |
|   |        |   |     |     |   | 5354                 | 5343 | 5479 | 5519 | 5623 |
|   |        |   |     |     |   | 5505                 | 5670 | 5255 | 5286 | 5328 |
|   |        |   |     |     |   | 5721                 | 5315 | 5317 | 5379 | 5351 |
|   |        |   |     |     |   | 5495                 | 5404 | 5552 | 5313 | 5424 |
|   |        |   |     |     |   | 5563                 | 5699 | 5654 | 5561 | 5447 |
|   |        |   |     |     |   | 5605                 | 5616 | 5692 | 5294 | 5375 |
|   |        |   |     |     |   | 5653                 | 5442 | 5456 | 5259 | 5635 |
|   |        |   |     |     |   | 5325                 | 5421 | 5297 | 5377 | 5331 |
|   |        |   |     |     |   | 5471                 | 5306 | 5656 | 5252 | 5649 |

|   |        |   |     |     |   | 5717                 | 5664 | 5274 | 5553 | 5449 |
|---|--------|---|-----|-----|---|----------------------|------|------|------|------|
|   |        |   |     |     |   | (number of hits: 7)  |      |      |      |      |
| 5 | 5510.0 | 9 | 1.0 | 333 | 1 | 5550                 | 5692 | 5531 | 5672 | 5657 |
|   |        |   |     |     |   | 5345                 | 5321 | 5501 | 5698 | 5517 |
|   |        |   |     |     |   | 5589                 | 5573 | 5717 | 5653 | 5404 |
|   |        |   |     |     |   | 5306                 | 5260 | 5579 | 5615 | 5593 |
|   |        |   |     |     |   | 5377                 | 5660 | 5616 | 5526 | 5539 |
|   |        |   |     |     |   | 5473                 | 5563 | 5549 | 5287 | 5674 |
|   |        |   |     |     |   | 5480                 | 5384 | 5606 | 5433 | 5264 |
|   |        |   |     |     |   | 5689                 | 5257 | 5569 | 5585 | 5500 |
|   |        |   |     |     |   | 5300                 | 5587 | 5432 | 5290 | 5509 |
|   |        |   |     |     |   | 5334                 | 5619 | 5694 | 5655 | 5570 |
|   |        |   |     |     |   | 5712                 | 5423 | 5352 | 5383 | 5684 |
|   |        |   |     |     |   | 5597                 | 5580 | 5299 | 5375 | 5262 |
|   |        |   |     |     |   | 5440                 | 5680 | 5297 | 5318 | 5292 |
|   |        |   |     |     |   | 5393                 | 5572 | 5296 | 5355 | 5385 |
|   |        |   |     |     |   | 5507                 | 5663 | 5664 | 5675 | 5516 |
|   |        |   |     |     |   | 5401                 | 5590 | 5586 | 5327 | 5716 |
|   |        |   |     |     |   | 5357                 | 5259 | 5556 | 5395 | 5319 |
|   |        |   |     |     |   | 5545                 | 5575 | 5496 | 5477 | 5340 |
|   |        |   |     |     |   | 5441                 | 5666 | 5648 | 5647 | 5532 |
|   |        |   |     |     |   | 5552                 | 5582 | 5413 | 5530 | 5418 |
|   |        |   |     |     |   | (number of hits: 8)  |      |      |      |      |
| 6 | 5510.0 | 9 | 1.0 | 333 | 1 | 5330                 | 5456 | 5467 | 5261 | 5402 |
|   |        |   |     |     |   | 5387                 | 5343 | 5576 | 5289 | 5724 |
|   |        |   |     |     |   | 5520                 | 5362 | 5283 | 5373 | 5425 |
|   |        |   |     |     |   | 5394                 | 5682 | 5563 | 5310 | 5288 |
|   |        |   |     |     |   | 5351                 | 5557 | 5518 | 5512 | 5489 |
|   |        |   |     |     |   | 5325                 | 5669 | 5653 | 5607 | 5329 |
|   |        |   |     |     |   | 5340                 | 5502 | 5380 | 5253 | 5403 |
|   |        |   |     |     |   | 5305                 | 5625 | 5344 | 5499 | 5556 |
|   |        |   |     |     |   | 5583                 | 5713 | 5352 | 5683 | 5264 |
|   |        |   |     |     |   | 5270                 | 5592 | 5364 | 5290 | 5506 |
|   |        |   |     |     |   | 5473                 | 5356 | 5621 | 5326 | 5721 |
|   |        |   |     |     |   | 5296                 | 5571 | 5638 | 5312 | 5399 |
|   |        |   |     |     |   | 5504                 | 5645 | 5272 | 5718 | 5519 |
|   |        |   |     |     |   | 5716                 | 5429 | 5404 | 5566 | 5536 |
|   |        |   |     |     |   | 5554                 | 5493 | 5666 | 5513 | 5651 |
|   |        |   |     |     |   | 5475                 | 5424 | 5636 | 5567 | 5331 |
|   |        |   |     |     |   | 5606                 | 5304 | 5354 | 5454 | 5459 |
|   |        |   |     |     |   | 5712                 | 5282 | 5447 | 5633 | 5426 |
|   |        |   |     |     |   | 5318                 | 5395 | 5661 | 5580 | 5277 |
|   |        |   |     |     |   | 5323                 | 5632 | 5545 | 5414 | 5655 |
|   |        |   |     |     |   | (number of hits: 10) |      |      |      |      |



|                      |        |   |     |     |   |      |      |      |      |      |
|----------------------|--------|---|-----|-----|---|------|------|------|------|------|
| 7                    | 5510.0 | 9 | 1.0 | 333 | 1 | 5585 | 5695 | 5403 | 5422 | 5719 |
|                      |        |   |     |     |   | 5429 | 5268 | 5651 | 5452 | 5456 |
|                      |        |   |     |     |   | 5451 | 5626 | 5324 | 5471 | 5446 |
|                      |        |   |     |     |   | 5482 | 5514 | 5310 | 5608 | 5502 |
|                      |        |   |     |     |   | 5296 | 5420 | 5595 | 5607 | 5485 |
|                      |        |   |     |     |   | 5377 | 5274 | 5397 | 5379 | 5641 |
|                      |        |   |     |     |   | 5468 | 5549 | 5297 | 5717 | 5532 |
|                      |        |   |     |     |   | 5542 | 5396 | 5421 | 5497 | 5510 |
|                      |        |   |     |     |   | 5395 | 5288 | 5495 | 5680 | 5668 |
|                      |        |   |     |     |   | 5250 | 5675 | 5325 | 5343 | 5349 |
|                      |        |   |     |     |   | 5672 | 5415 | 5447 | 5618 | 5284 |
|                      |        |   |     |     |   | 5592 | 5596 | 5619 | 5633 | 5335 |
|                      |        |   |     |     |   | 5724 | 5579 | 5286 | 5342 | 5287 |
|                      |        |   |     |     |   | 5368 | 5614 | 5458 | 5339 | 5479 |
|                      |        |   |     |     |   | 5669 | 5362 | 5627 | 5434 | 5544 |
|                      |        |   |     |     |   | 5304 | 5548 | 5450 | 5587 | 5295 |
|                      |        |   |     |     |   | 5367 | 5254 | 5649 | 5459 | 5554 |
|                      |        |   |     |     |   | 5639 | 5598 | 5380 | 5566 | 5593 |
|                      |        |   |     |     |   | 5351 | 5586 | 5311 | 5385 | 5700 |
|                      |        |   |     |     |   | 5407 | 5713 | 5443 | 5393 | 5283 |
| (number of hits: 5 ) |        |   |     |     |   |      |      |      |      |      |
| 8                    | 5510.0 | 9 | 1.0 | 333 | 1 | 5365 | 5459 | 5436 | 5583 | 5464 |
|                      |        |   |     |     |   | 5568 | 5290 | 5251 | 5615 | 5285 |
|                      |        |   |     |     |   | 5415 | 5666 | 5467 | 5473 | 5641 |
|                      |        |   |     |     |   | 5413 | 5653 | 5694 | 5304 | 5586 |
|                      |        |   |     |     |   | 5536 | 5599 | 5458 | 5265 | 5601 |
|                      |        |   |     |     |   | 5600 | 5483 | 5675 | 5510 | 5438 |
|                      |        |   |     |     |   | 5254 | 5457 | 5306 | 5271 | 5584 |
|                      |        |   |     |     |   | 5487 | 5692 | 5650 | 5424 | 5331 |
|                      |        |   |     |     |   | 5371 | 5492 | 5260 | 5677 | 5597 |
|                      |        |   |     |     |   | 5705 | 5283 | 5383 | 5396 | 5658 |
|                      |        |   |     |     |   | 5700 | 5708 | 5723 | 5270 | 5562 |
|                      |        |   |     |     |   | 5472 | 5546 | 5590 | 5287 | 5500 |
|                      |        |   |     |     |   | 5669 | 5411 | 5255 | 5707 | 5543 |
|                      |        |   |     |     |   | 5711 | 5404 | 5446 | 5253 | 5617 |
|                      |        |   |     |     |   | 5698 | 5465 | 5294 | 5686 | 5603 |
|                      |        |   |     |     |   | 5393 | 5718 | 5664 | 5350 | 5529 |
|                      |        |   |     |     |   | 5674 | 5560 | 5368 | 5527 | 5369 |
|                      |        |   |     |     |   | 5362 | 5493 | 5305 | 5259 | 5466 |
|                      |        |   |     |     |   | 5431 | 5717 | 5516 | 5592 | 5345 |
|                      |        |   |     |     |   | 5494 | 5339 | 5462 | 5697 | 5372 |
| (number of hits: 6 ) |        |   |     |     |   |      |      |      |      |      |
| 9                    | 5510.0 | 9 | 1.0 | 333 | 1 | 5620 | 5320 | 5372 | 5269 | 5306 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5610                | 5690 | 5326 | 5303 | 5492 |
|    |        |   |     |     |   | 5691                | 5679 | 5503 | 5386 | 5488 |
|    |        |   |     |     |   | 5561                | 5671 | 5516 | 5698 | 5508 |
|    |        |   |     |     |   | 5655                | 5477 | 5688 | 5431 | 5531 |
|    |        |   |     |     |   | 5550                | 5328 | 5587 | 5709 | 5552 |
|    |        |   |     |     |   | 5327                | 5686 | 5672 | 5458 | 5469 |
|    |        |   |     |     |   | 5723                | 5578 | 5585 | 5425 | 5338 |
|    |        |   |     |     |   | 5645                | 5454 | 5430 | 5500 | 5674 |
|    |        |   |     |     |   | 5429                | 5685 | 5366 | 5441 | 5449 |
|    |        |   |     |     |   | 5448                | 5479 | 5409 | 5299 | 5568 |
|    |        |   |     |     |   | 5660                | 5407 | 5319 | 5665 | 5614 |
|    |        |   |     |     |   | 5718                | 5653 | 5440 | 5656 | 5523 |
|    |        |   |     |     |   | 5420                | 5392 | 5548 | 5297 | 5438 |
|    |        |   |     |     |   | 5482                | 5352 | 5590 | 5309 | 5493 |
|    |        |   |     |     |   | 5510                | 5354 | 5573 | 5624 | 5623 |
|    |        |   |     |     |   | 5564                | 5265 | 5335 | 5268 | 5451 |
|    |        |   |     |     |   | 5385                | 5490 | 5611 | 5681 | 5598 |
|    |        |   |     |     |   | 5282                | 5347 | 5603 | 5356 | 5517 |
|    |        |   |     |     |   | 5336                | 5254 | 5489 | 5521 | 5696 |
|    |        |   |     |     |   | (number of hits: 9) |      |      |      |      |
| 10 | 5510.0 | 9 | 1.0 | 333 | 1 | 5303                | 5559 | 5308 | 5430 | 5526 |
|    |        |   |     |     |   | 5652                | 5712 | 5401 | 5466 | 5699 |
|    |        |   |     |     |   | 5622                | 5565 | 5544 | 5581 | 5509 |
|    |        |   |     |     |   | 5649                | 5323 | 5522 | 5646 | 5700 |
|    |        |   |     |     |   | 5698                | 5346 | 5418 | 5680 | 5404 |
|    |        |   |     |     |   | 5419                | 5402 | 5531 | 5691 | 5268 |
|    |        |   |     |     |   | 5594                | 5313 | 5643 | 5315 | 5707 |
|    |        |   |     |     |   | 5289                | 5387 | 5669 | 5381 | 5578 |
|    |        |   |     |     |   | 5349                | 5484 | 5537 | 5368 | 5265 |
|    |        |   |     |     |   | 5671                | 5358 | 5665 | 5449 | 5499 |
|    |        |   |     |     |   | 5502                | 5335 | 5355 | 5585 | 5350 |
|    |        |   |     |     |   | 5304                | 5391 | 5353 | 5276 | 5454 |
|    |        |   |     |     |   | 5597                | 5528 | 5532 | 5448 | 5656 |
|    |        |   |     |     |   | 5647                | 5479 | 5599 | 5567 | 5609 |
|    |        |   |     |     |   | 5379                | 5488 | 5415 | 5464 | 5534 |
|    |        |   |     |     |   | 5397                | 5287 | 5458 | 5311 | 5429 |
|    |        |   |     |     |   | 5539                | 5491 | 5606 | 5683 | 5405 |
|    |        |   |     |     |   | 5690                | 5653 | 5720 | 5274 | 5328 |
|    |        |   |     |     |   | 5299                | 5436 | 5263 | 5431 | 5371 |
|    |        |   |     |     |   | 5604                | 5316 | 5607 | 5615 | 5373 |
|    |        |   |     |     |   | (number of hits: 5) |      |      |      |      |
| 11 | 5510.0 | 9 | 1.0 | 333 | 1 | 5558                | 5323 | 5719 | 5591 | 5368 |
|    |        |   |     |     |   | 5694                | 5637 | 5476 | 5532 | 5528 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5456                 | 5354 | 5585 | 5301 | 5530 |
|    |        |   |     |     |   | 5262                 | 5450 | 5625 | 5691 | 5417 |
|    |        |   |     |     |   | 5706                 | 5415 | 5294 | 5377 | 5685 |
|    |        |   |     |     |   | 5254                 | 5302 | 5258 | 5677 | 5600 |
|    |        |   |     |     |   | 5384                 | 5487 | 5429 | 5382 | 5652 |
|    |        |   |     |     |   | 5256                 | 5263 | 5717 | 5306 | 5408 |
|    |        |   |     |     |   | 5290                 | 5665 | 5548 | 5460 | 5555 |
|    |        |   |     |     |   | 5286                 | 5401 | 5393 | 5592 | 5675 |
|    |        |   |     |     |   | 5464                 | 5690 | 5250 | 5406 | 5577 |
|    |        |   |     |     |   | 5520                 | 5601 | 5479 | 5305 | 5642 |
|    |        |   |     |     |   | 5293                 | 5698 | 5404 | 5633 | 5400 |
|    |        |   |     |     |   | 5611                 | 5434 | 5270 | 5431 | 5452 |
|    |        |   |     |     |   | 5682                 | 5569 | 5383 | 5318 | 5661 |
|    |        |   |     |     |   | 5379                 | 5338 | 5576 | 5643 | 5291 |
|    |        |   |     |     |   | 5390                 | 5511 | 5629 | 5536 | 5707 |
|    |        |   |     |     |   | 5253                 | 5489 | 5724 | 5627 | 5271 |
|    |        |   |     |     |   | 5607                 | 5590 | 5695 | 5539 | 5411 |
|    |        |   |     |     |   | 5388                 | 5606 | 5523 | 5546 | 5355 |
|    |        |   |     |     |   | (number of hits: 3 ) |      |      |      |      |
| 12 | 5510.0 | 9 | 1.0 | 333 | 1 | 5338                 | 5562 | 5655 | 5277 | 5588 |
|    |        |   |     |     |   | 5358                 | 5659 | 5551 | 5695 | 5260 |
|    |        |   |     |     |   | 5387                 | 5618 | 5626 | 5399 | 5253 |
|    |        |   |     |     |   | 5577                 | 5261 | 5609 | 5617 | 5581 |
|    |        |   |     |     |   | 5397                 | 5286 | 5350 | 5573 | 5678 |
|    |        |   |     |     |   | 5365                 | 5521 | 5336 | 5300 | 5566 |
|    |        |   |     |     |   | 5557                 | 5270 | 5633 | 5307 | 5568 |
|    |        |   |     |     |   | 5473                 | 5448 | 5506 | 5652 | 5259 |
|    |        |   |     |     |   | 5325                 | 5719 | 5648 | 5287 | 5594 |
|    |        |   |     |     |   | 5528                 | 5615 | 5518 | 5511 | 5487 |
|    |        |   |     |     |   | 5582                 | 5462 | 5452 | 5482 | 5415 |
|    |        |   |     |     |   | 5619                 | 5362 | 5405 | 5544 | 5377 |
|    |        |   |     |     |   | 5706                 | 5685 | 5546 | 5311 | 5703 |
|    |        |   |     |     |   | 5591                 | 5507 | 5354 | 5530 | 5682 |
|    |        |   |     |     |   | 5705                 | 5500 | 5460 | 5410 | 5704 |
|    |        |   |     |     |   | 5400                 | 5572 | 5550 | 5635 | 5331 |
|    |        |   |     |     |   | 5442                 | 5543 | 5401 | 5296 | 5433 |
|    |        |   |     |     |   | 5351                 | 5455 | 5607 | 5441 | 5284 |
|    |        |   |     |     |   | 5449                 | 5701 | 5713 | 5274 | 5407 |
|    |        |   |     |     |   | 5255                 | 5505 | 5569 | 5323 | 5262 |
|    |        |   |     |     |   | (number of hits: 7 ) |      |      |      |      |
| 13 | 5510.0 | 9 | 1.0 | 333 | 1 | 5593                 | 5326 | 5591 | 5438 | 5430 |
|    |        |   |     |     |   | 5400                 | 5584 | 5626 | 5383 | 5467 |
|    |        |   |     |     |   | 5318                 | 5407 | 5667 | 5594 | 5572 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5341                | 5704 | 5356 | 5306 | 5625 |
|    |        |   |     |     |   | 5650                | 5338 | 5375 | 5323 | 5364 |
|    |        |   |     |     |   | 5530                | 5568 | 5370 | 5342 | 5552 |
|    |        |   |     |     |   | 5514                | 5485 | 5310 | 5602 | 5707 |
|    |        |   |     |     |   | 5564                | 5659 | 5663 | 5573 | 5408 |
|    |        |   |     |     |   | 5657                | 5413 | 5284 | 5523 | 5508 |
|    |        |   |     |     |   | 5698                | 5576 | 5277 | 5361 | 5638 |
|    |        |   |     |     |   | 5503                | 5668 | 5713 | 5466 | 5365 |
|    |        |   |     |     |   | 5316                | 5595 | 5363 | 5348 | 5360 |
|    |        |   |     |     |   | 5491                | 5618 | 5529 | 5534 | 5317 |
|    |        |   |     |     |   | 5456                | 5390 | 5265 | 5372 | 5399 |
|    |        |   |     |     |   | 5589                | 5309 | 5386 | 5369 | 5692 |
|    |        |   |     |     |   | 5396                | 5531 | 5412 | 5441 | 5464 |
|    |        |   |     |     |   | 5614                | 5546 | 5314 | 5550 | 5475 |
|    |        |   |     |     |   | 5395                | 5532 | 5647 | 5391 | 5719 |
|    |        |   |     |     |   | 5699                | 5631 | 5521 | 5262 | 5336 |
|    |        |   |     |     |   | 5403                | 5451 | 5329 | 5460 | 5504 |
|    |        |   |     |     |   | (number of hits: 6) |      |      |      |      |
| 14 | 5510.0 | 9 | 1.0 | 333 | 1 | 5276                | 5565 | 5527 | 5502 | 5650 |
|    |        |   |     |     |   | 5442                | 5606 | 5701 | 5546 | 5296 |
|    |        |   |     |     |   | 5627                | 5671 | 5708 | 5314 | 5593 |
|    |        |   |     |     |   | 5429                | 5259 | 5459 | 5254 | 5518 |
|    |        |   |     |     |   | 5633                | 5341 | 5376 | 5367 | 5252 |
|    |        |   |     |     |   | 5479                | 5404 | 5481 | 5441 | 5471 |
|    |        |   |     |     |   | 5603                | 5559 | 5325 | 5371 | 5655 |
|    |        |   |     |     |   | 5612                | 5337 | 5577 | 5412 | 5588 |
|    |        |   |     |     |   | 5595                | 5653 | 5281 | 5355 | 5488 |
|    |        |   |     |     |   | 5306                | 5537 | 5617 | 5639 | 5712 |
|    |        |   |     |     |   | 5339                | 5554 | 5282 | 5536 | 5410 |
|    |        |   |     |     |   | 5553                | 5270 | 5310 | 5560 | 5319 |
|    |        |   |     |     |   | 5489                | 5540 | 5533 | 5450 | 5615 |
|    |        |   |     |     |   | 5405                | 5426 | 5572 | 5264 | 5288 |
|    |        |   |     |     |   | 5575                | 5362 | 5622 | 5716 | 5539 |
|    |        |   |     |     |   | 5512                | 5664 | 5454 | 5299 | 5611 |
|    |        |   |     |     |   | 5686                | 5449 | 5689 | 5374 | 5267 |
|    |        |   |     |     |   | 5440                | 5446 | 5305 | 5370 | 5556 |
|    |        |   |     |     |   | 5250                | 5258 | 5513 | 5538 | 5317 |
|    |        |   |     |     |   | 5320                | 5301 | 5430 | 5432 | 5280 |
|    |        |   |     |     |   | (number of hits: 5) |      |      |      |      |
| 15 | 5510.0 | 9 | 1.0 | 333 | 1 | 5531                | 5329 | 5463 | 5663 | 5492 |
|    |        |   |     |     |   | 5484                | 5301 | 5612 | 5503 | 5558 |
|    |        |   |     |     |   | 5557                | 5274 | 5509 | 5614 | 5517 |
|    |        |   |     |     |   | 5386                | 5465 | 5299 | 5710 | 5544 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5507                  | 5317 | 5456 | 5269 | 5615 |
|    |        |   |     |     |   | 5331                  | 5499 | 5455 | 5341 | 5523 |
|    |        |   |     |     |   | 5330                  | 5428 | 5343 | 5711 | 5620 |
|    |        |   |     |     |   | 5413                  | 5271 | 5408 | 5587 | 5491 |
|    |        |   |     |     |   | 5251                  | 5671 | 5436 | 5321 | 5278 |
|    |        |   |     |     |   | 5284                  | 5468 | 5389 | 5595 | 5670 |
|    |        |   |     |     |   | 5429                  | 5588 | 5515 | 5605 | 5371 |
|    |        |   |     |     |   | 5262                  | 5257 | 5266 | 5602 | 5500 |
|    |        |   |     |     |   | 5379                  | 5668 | 5521 | 5705 | 5478 |
|    |        |   |     |     |   | 5354                  | 5365 | 5307 | 5534 | 5566 |
|    |        |   |     |     |   | 5640                  | 5561 | 5606 | 5385 | 5716 |
|    |        |   |     |     |   | 5581                  | 5685 | 5360 | 5585 | 5493 |
|    |        |   |     |     |   | 5344                  | 5564 | 5260 | 5687 | 5608 |
|    |        |   |     |     |   | 5352                  | 5337 | 5459 | 5308 | 5400 |
|    |        |   |     |     |   | 5553                  | 5665 | 5721 | 5353 | 5298 |
|    |        |   |     |     |   | 5555                  | 5372 | 5304 | 5296 | 5312 |
|    |        |   |     |     |   | (number of hits: 10 ) |      |      |      |      |
| 16 | 5510.0 | 9 | 1.0 | 333 | 1 | 5311                  | 5568 | 5399 | 5349 | 5712 |
|    |        |   |     |     |   | 5623                  | 5553 | 5376 | 5300 | 5710 |
|    |        |   |     |     |   | 5392                  | 5346 | 5315 | 5704 | 5635 |
|    |        |   |     |     |   | 5508                  | 5513 | 5344 | 5427 | 5552 |
|    |        |   |     |     |   | 5576                  | 5258 | 5448 | 5717 | 5406 |
|    |        |   |     |     |   | 5658                  | 5605 | 5559 | 5375 | 5565 |
|    |        |   |     |     |   | 5316                  | 5385 | 5558 | 5485 | 5343 |
|    |        |   |     |     |   | 5459                  | 5301 | 5265 | 5502 | 5279 |
|    |        |   |     |     |   | 5374                  | 5561 | 5275 | 5591 | 5472 |
|    |        |   |     |     |   | 5653                  | 5723 | 5464 | 5691 | 5656 |
|    |        |   |     |     |   | 5460                  | 5560 | 5676 | 5357 | 5556 |
|    |        |   |     |     |   | 5690                  | 5673 | 5639 | 5650 | 5395 |
|    |        |   |     |     |   | 5423                  | 5686 | 5579 | 5469 | 5542 |
|    |        |   |     |     |   | 5303                  | 5401 | 5614 | 5329 | 5272 |
|    |        |   |     |     |   | 5547                  | 5609 | 5709 | 5692 | 5540 |
|    |        |   |     |     |   | 5557                  | 5480 | 5253 | 5474 | 5596 |
|    |        |   |     |     |   | 5674                  | 5516 | 5627 | 5698 | 5352 |
|    |        |   |     |     |   | 5470                  | 5397 | 5554 | 5273 | 5354 |
|    |        |   |     |     |   | 5388                  | 5411 | 5359 | 5655 | 5600 |
|    |        |   |     |     |   | 5572                  | 5669 | 5291 | 5638 | 5487 |
|    |        |   |     |     |   | (number of hits: 4 )  |      |      |      |      |
| 17 | 5510.0 | 9 | 1.0 | 333 | 1 | 5566                  | 5332 | 5335 | 5510 | 5554 |
|    |        |   |     |     |   | 5665                  | 5478 | 5451 | 5463 | 5539 |
|    |        |   |     |     |   | 5323                  | 5610 | 5453 | 5327 | 5656 |
|    |        |   |     |     |   | 5596                  | 5640 | 5671 | 5389 | 5716 |
|    |        |   |     |     |   | 5560                  | 5267 | 5296 | 5537 | 5690 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5294                 | 5607 | 5333 | 5663 | 5409 |
|    |        |   |     |     |   | 5704                 | 5680 | 5342 | 5298 | 5637 |
|    |        |   |     |     |   | 5638                 | 5691 | 5550 | 5572 | 5418 |
|    |        |   |     |     |   | 5416                 | 5501 | 5362 | 5312 | 5326 |
|    |        |   |     |     |   | 5369                 | 5520 | 5428 | 5555 | 5614 |
|    |        |   |     |     |   | 5301                 | 5581 | 5718 | 5392 | 5707 |
|    |        |   |     |     |   | 5646                 | 5383 | 5523 | 5545 | 5405 |
|    |        |   |     |     |   | 5492                 | 5304 | 5368 | 5518 | 5502 |
|    |        |   |     |     |   | 5415                 | 5365 | 5252 | 5437 | 5349 |
|    |        |   |     |     |   | 5696                 | 5309 | 5630 | 5709 | 5558 |
|    |        |   |     |     |   | 5668                 | 5499 | 5526 | 5600 | 5299 |
|    |        |   |     |     |   | 5455                 | 5373 | 5687 | 5297 | 5316 |
|    |        |   |     |     |   | 5338                 | 5505 | 5255 | 5360 | 5271 |
|    |        |   |     |     |   | 5616                 | 5477 | 5683 | 5576 | 5263 |
|    |        |   |     |     |   | 5440                 | 5686 | 5482 | 5567 | 5270 |
|    |        |   |     |     |   | (number of hits: 9 ) |      |      |      |      |
| 18 | 5510.0 | 9 | 1.0 | 333 | 1 | 5724                 | 5571 | 5271 | 5671 | 5299 |
|    |        |   |     |     |   | 5707                 | 5500 | 5526 | 5626 | 5254 |
|    |        |   |     |     |   | 5399                 | 5494 | 5522 | 5677 | 5684 |
|    |        |   |     |     |   | 5292                 | 5337 | 5433 | 5471 | 5336 |
|    |        |   |     |     |   | 5712                 | 5529 | 5663 | 5560 | 5459 |
|    |        |   |     |     |   | 5536                 | 5443 | 5666 | 5416 | 5411 |
|    |        |   |     |     |   | 5361                 | 5258 | 5641 | 5368 | 5668 |
|    |        |   |     |     |   | 5330                 | 5340 | 5542 | 5250 | 5469 |
|    |        |   |     |     |   | 5366                 | 5449 | 5311 | 5638 | 5672 |
|    |        |   |     |     |   | 5257                 | 5468 | 5594 | 5568 | 5283 |
|    |        |   |     |     |   | 5260                 | 5681 | 5467 | 5464 | 5498 |
|    |        |   |     |     |   | 5689                 | 5484 | 5410 | 5350 | 5328 |
|    |        |   |     |     |   | 5458                 | 5566 | 5676 | 5376 | 5656 |
|    |        |   |     |     |   | 5491                 | 5353 | 5478 | 5616 | 5310 |
|    |        |   |     |     |   | 5644                 | 5398 | 5720 | 5442 | 5436 |
|    |        |   |     |     |   | 5625                 | 5322 | 5553 | 5383 | 5502 |
|    |        |   |     |     |   | 5613                 | 5633 | 5629 | 5420 | 5581 |
|    |        |   |     |     |   | 5359                 | 5406 | 5266 | 5371 | 5675 |
|    |        |   |     |     |   | 5721                 | 5703 | 5537 | 5465 | 5627 |
|    |        |   |     |     |   | 5369                 | 5694 | 5407 | 5447 | 5316 |
|    |        |   |     |     |   | (number of hits: 6 ) |      |      |      |      |
| 19 | 5510.0 | 9 | 1.0 | 333 | 1 | 5504                 | 5335 | 5682 | 5357 | 5519 |
|    |        |   |     |     |   | 5371                 | 5425 | 5601 | 5692 | 5478 |
|    |        |   |     |     |   | 5563                 | 5663 | 5535 | 5717 | 5698 |
|    |        |   |     |     |   | 5297                 | 5322 | 5402 | 5382 | 5625 |
|    |        |   |     |     |   | 5479                 | 5502 | 5653 | 5618 | 5636 |
|    |        |   |     |     |   | 5448                 | 5408 | 5264 | 5493 | 5477 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5313                 | 5555 | 5256 | 5631 | 5656 |
|    |        |   |     |     |   | 5397                 | 5257 | 5261 | 5346 | 5341 |
|    |        |   |     |     |   | 5654                 | 5709 | 5363 | 5281 | 5291 |
|    |        |   |     |     |   | 5721                 | 5255 | 5310 | 5258 | 5470 |
|    |        |   |     |     |   | 5269                 | 5334 | 5349 | 5407 | 5314 |
|    |        |   |     |     |   | 5446                 | 5418 | 5688 | 5508 | 5455 |
|    |        |   |     |     |   | 5562                 | 5415 | 5355 | 5279 | 5629 |
|    |        |   |     |     |   | 5404                 | 5389 | 5412 | 5488 | 5383 |
|    |        |   |     |     |   | 5550                 | 5602 | 5337 | 5634 | 5620 |
|    |        |   |     |     |   | 5417                 | 5367 | 5365 | 5432 | 5547 |
|    |        |   |     |     |   | 5561                 | 5499 | 5430 | 5633 | 5568 |
|    |        |   |     |     |   | 5558                 | 5449 | 5410 | 5498 | 5701 |
|    |        |   |     |     |   | 5431                 | 5377 | 5679 | 5720 | 5592 |
|    |        |   |     |     |   | 5434                 | 5606 | 5472 | 5405 | 5648 |
|    |        |   |     |     |   | (number of hits: 7 ) |      |      |      |      |
| 20 | 5510.0 | 9 | 1.0 | 333 | 1 | 5284                 | 5574 | 5618 | 5518 | 5361 |
|    |        |   |     |     |   | 5413                 | 5447 | 5676 | 5380 | 5307 |
|    |        |   |     |     |   | 5494                 | 5452 | 5576 | 5437 | 5719 |
|    |        |   |     |     |   | 5288                 | 5449 | 5408 | 5427 | 5342 |
|    |        |   |     |     |   | 5487                 | 5571 | 5691 | 5610 | 5609 |
|    |        |   |     |     |   | 5714                 | 5260 | 5467 | 5597 | 5511 |
|    |        |   |     |     |   | 5444                 | 5688 | 5371 | 5337 | 5476 |
|    |        |   |     |     |   | 5536                 | 5348 | 5532 | 5499 | 5255 |
|    |        |   |     |     |   | 5493                 | 5708 | 5601 | 5474 | 5360 |
|    |        |   |     |     |   | 5685                 | 5271 | 5329 | 5363 | 5620 |
|    |        |   |     |     |   | 5346                 | 5445 | 5385 | 5438 | 5705 |
|    |        |   |     |     |   | 5258                 | 5634 | 5372 | 5403 | 5327 |
|    |        |   |     |     |   | 5426                 | 5594 | 5580 | 5300 | 5586 |
|    |        |   |     |     |   | 5552                 | 5350 | 5590 | 5351 | 5698 |
|    |        |   |     |     |   | 5653                 | 5434 | 5340 | 5483 | 5596 |
|    |        |   |     |     |   | 5376                 | 5388 | 5631 | 5495 | 5557 |
|    |        |   |     |     |   | 5711                 | 5624 | 5496 | 5625 | 5410 |
|    |        |   |     |     |   | 5443                 | 5275 | 5414 | 5364 | 5424 |
|    |        |   |     |     |   | 5480                 | 5646 | 5464 | 5262 | 5647 |
|    |        |   |     |     |   | 5418                 | 5261 | 5488 | 5575 | 5615 |
|    |        |   |     |     |   | (number of hits: 7 ) |      |      |      |      |
| 21 | 5510.0 | 9 | 1.0 | 333 | 1 | 5539                 | 5338 | 5554 | 5582 | 5581 |
|    |        |   |     |     |   | 5455                 | 5372 | 5276 | 5543 | 5514 |
|    |        |   |     |     |   | 5425                 | 5617 | 5535 | 5265 | 5376 |
|    |        |   |     |     |   | 5576                 | 5511 | 5375 | 5534 | 5398 |
|    |        |   |     |     |   | 5262                 | 5632 | 5699 | 5602 | 5587 |
|    |        |   |     |     |   | 5670                 | 5701 | 5545 | 5494 | 5430 |
|    |        |   |     |     |   | 5645                 | 5586 | 5489 | 5674 | 5675 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5536                  | 5328 | 5274 | 5644 | 5332 |
|    |        |   |     |     |   | 5413                  | 5714 | 5357 | 5517 | 5251 |
|    |        |   |     |     |   | 5412                  | 5416 | 5410 | 5600 | 5524 |
|    |        |   |     |     |   | 5436                  | 5527 | 5528 | 5580 | 5347 |
|    |        |   |     |     |   | 5326                  | 5593 | 5397 | 5723 | 5270 |
|    |        |   |     |     |   | 5720                  | 5418 | 5378 | 5393 | 5523 |
|    |        |   |     |     |   | 5387                  | 5530 | 5448 | 5615 | 5316 |
|    |        |   |     |     |   | 5671                  | 5440 | 5475 | 5335 | 5683 |
|    |        |   |     |     |   | 5508                  | 5299 | 5476 | 5334 | 5555 |
|    |        |   |     |     |   | 5371                  | 5400 | 5687 | 5493 | 5345 |
|    |        |   |     |     |   | 5439                  | 5349 | 5406 | 5370 | 5282 |
|    |        |   |     |     |   | 5415                  | 5519 | 5719 | 5286 | 5486 |
|    |        |   |     |     |   | 5680                  | 5346 | 5279 | 5702 | 5402 |
|    |        |   |     |     |   | (number of hits: 10 ) |      |      |      |      |
| 22 | 5510.0 | 9 | 1.0 | 333 | 1 | 5319                  | 5577 | 5490 | 5268 | 5423 |
|    |        |   |     |     |   | 5497                  | 5394 | 5351 | 5706 | 5721 |
|    |        |   |     |     |   | 5259                  | 5602 | 5658 | 5255 | 5286 |
|    |        |   |     |     |   | 5464                  | 5703 | 5614 | 5420 | 5251 |
|    |        |   |     |     |   | 5406                  | 5331 | 5573 | 5691 | 5555 |
|    |        |   |     |     |   | 5536                  | 5301 | 5330 | 5579 | 5704 |
|    |        |   |     |     |   | 5263                  | 5494 | 5717 | 5627 | 5599 |
|    |        |   |     |     |   | 5427                  | 5655 | 5496 | 5477 | 5382 |
|    |        |   |     |     |   | 5451                  | 5446 | 5495 | 5332 | 5469 |
|    |        |   |     |     |   | 5297                  | 5476 | 5700 | 5487 | 5713 |
|    |        |   |     |     |   | 5524                  | 5535 | 5280 | 5308 | 5343 |
|    |        |   |     |     |   | 5271                  | 5377 | 5532 | 5287 | 5250 |
|    |        |   |     |     |   | 5679                  | 5339 | 5472 | 5265 | 5340 |
|    |        |   |     |     |   | 5418                  | 5485 | 5657 | 5443 | 5656 |
|    |        |   |     |     |   | 5294                  | 5652 | 5628 | 5345 | 5457 |
|    |        |   |     |     |   | 5586                  | 5665 | 5467 | 5372 | 5540 |
|    |        |   |     |     |   | 5439                  | 5666 | 5369 | 5562 | 5722 |
|    |        |   |     |     |   | 5292                  | 5442 | 5492 | 5617 | 5606 |
|    |        |   |     |     |   | 5585                  | 5393 | 5282 | 5483 | 5629 |
|    |        |   |     |     |   | 5349                  | 5306 | 5633 | 5690 | 5334 |
|    |        |   |     |     |   | (number of hits: 5 )  |      |      |      |      |
| 23 | 5510.0 | 9 | 1.0 | 333 | 1 | 5477                  | 5341 | 5426 | 5429 | 5643 |
|    |        |   |     |     |   | 5636                  | 5319 | 5297 | 5453 | 5665 |
|    |        |   |     |     |   | 5391                  | 5699 | 5450 | 5307 | 5552 |
|    |        |   |     |     |   | 5355                  | 5717 | 5465 | 5443 | 5414 |
|    |        |   |     |     |   | 5497                  | 5514 | 5305 | 5528 | 5281 |
|    |        |   |     |     |   | 5388                  | 5504 | 5434 | 5613 | 5578 |
|    |        |   |     |     |   | 5683                  | 5559 | 5444 | 5415 | 5692 |
|    |        |   |     |     |   | 5381                  | 5718 | 5492 | 5580 | 5569 |



|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5582                | 5579 | 5318 | 5622 | 5448 |
|    |        |   |     |     |   | 5375                | 5686 | 5293 | 5522 | 5562 |
|    |        |   |     |     |   | 5352                | 5401 | 5538 | 5327 | 5371 |
|    |        |   |     |     |   | 5626                | 5709 | 5498 | 5637 | 5506 |
|    |        |   |     |     |   | 5697                | 5707 | 5557 | 5602 | 5285 |
|    |        |   |     |     |   | 5340                | 5421 | 5362 | 5572 | 5610 |
|    |        |   |     |     |   | 5696                | 5543 | 5408 | 5427 | 5253 |
|    |        |   |     |     |   | 5524                | 5273 | 5488 | 5438 | 5363 |
|    |        |   |     |     |   | 5678                | 5631 | 5435 | 5390 | 5260 |
|    |        |   |     |     |   | 5342                | 5508 | 5279 | 5590 | 5420 |
|    |        |   |     |     |   | 5262                | 5616 | 5651 | 5694 | 5410 |
|    |        |   |     |     |   | 5337                | 5467 | 5527 | 5328 | 5409 |
|    |        |   |     |     |   | (number of hits: 9) |      |      |      |      |
| 24 | 5510.0 | 9 | 1.0 | 333 | 1 | 5257                | 5580 | 5362 | 5590 | 5485 |
|    |        |   |     |     |   | 5678                | 5341 | 5501 | 5460 | 5282 |
|    |        |   |     |     |   | 5499                | 5655 | 5265 | 5645 | 5328 |
|    |        |   |     |     |   | 5543                | 5385 | 5345 | 5510 | 5325 |
|    |        |   |     |     |   | 5566                | 5552 | 5297 | 5644 | 5337 |
|    |        |   |     |     |   | 5707                | 5635 | 5647 | 5717 | 5669 |
|    |        |   |     |     |   | 5516                | 5659 | 5664 | 5512 | 5520 |
|    |        |   |     |     |   | 5334                | 5288 | 5355 | 5483 | 5421 |
|    |        |   |     |     |   | 5662                | 5256 | 5387 | 5445 | 5682 |
|    |        |   |     |     |   | 5569                | 5661 | 5351 | 5478 | 5449 |
|    |        |   |     |     |   | 5606                | 5577 | 5589 | 5416 | 5375 |
|    |        |   |     |     |   | 5315                | 5339 | 5663 | 5688 | 5456 |
|    |        |   |     |     |   | 5652                | 5486 | 5428 | 5706 | 5638 |
|    |        |   |     |     |   | 5370                | 5398 | 5307 | 5502 | 5251 |
|    |        |   |     |     |   | 5546                | 5403 | 5687 | 5493 | 5296 |
|    |        |   |     |     |   | 5534                | 5419 | 5615 | 5313 | 5320 |
|    |        |   |     |     |   | 5498                | 5720 | 5447 | 5392 | 5374 |
|    |        |   |     |     |   | 5555                | 5691 | 5306 | 5601 | 5588 |
|    |        |   |     |     |   | 5427                | 5451 | 5425 | 5685 | 5651 |
|    |        |   |     |     |   | 5308                | 5283 | 5701 | 5410 | 5404 |
|    |        |   |     |     |   | (number of hits: 9) |      |      |      |      |
| 25 | 5510.0 | 9 | 1.0 | 333 | 1 | 5512                | 5441 | 5298 | 5276 | 5705 |
|    |        |   |     |     |   | 5720                | 5363 | 5576 | 5623 | 5489 |
|    |        |   |     |     |   | 5430                | 5444 | 5403 | 5365 | 5349 |
|    |        |   |     |     |   | 5631                | 5351 | 5458 | 5449 | 5333 |
|    |        |   |     |     |   | 5257                | 5493 | 5386 | 5474 | 5435 |
|    |        |   |     |     |   | 5664                | 5264 | 5681 | 5284 | 5558 |
|    |        |   |     |     |   | 5473                | 5399 | 5341 | 5710 | 5562 |
|    |        |   |     |     |   | 5425                | 5559 | 5508 | 5494 | 5260 |
|    |        |   |     |     |   | 5367                | 5669 | 5627 | 5442 | 5611 |

|    |        |   |     |     |   |                     |      |      |      |      |
|----|--------|---|-----|-----|---|---------------------|------|------|------|------|
|    |        |   |     |     |   | 5549                | 5269 | 5409 | 5531 | 5714 |
|    |        |   |     |     |   | 5482                | 5278 | 5640 | 5505 | 5673 |
|    |        |   |     |     |   | 5637                | 5527 | 5617 | 5306 | 5653 |
|    |        |   |     |     |   | 5659                | 5289 | 5552 | 5694 | 5318 |
|    |        |   |     |     |   | 5274                | 5364 | 5319 | 5337 | 5614 |
|    |        |   |     |     |   | 5297                | 5302 | 5323 | 5712 | 5581 |
|    |        |   |     |     |   | 5379                | 5646 | 5416 | 5677 | 5400 |
|    |        |   |     |     |   | 5392                | 5326 | 5445 | 5484 | 5658 |
|    |        |   |     |     |   | 5384                | 5272 | 5452 | 5566 | 5423 |
|    |        |   |     |     |   | 5464                | 5280 | 5471 | 5607 | 5622 |
|    |        |   |     |     |   | 5630                | 5340 | 5447 | 5532 | 5615 |
|    |        |   |     |     |   | (number of hits: 6) |      |      |      |      |
| 26 | 5510.0 | 9 | 1.0 | 333 | 1 | 5292                | 5680 | 5709 | 5437 | 5547 |
|    |        |   |     |     |   | 5287                | 5288 | 5651 | 5311 | 5696 |
|    |        |   |     |     |   | 5361                | 5330 | 5444 | 5463 | 5370 |
|    |        |   |     |     |   | 5719                | 5639 | 5454 | 5503 | 5641 |
|    |        |   |     |     |   | 5341                | 5423 | 5434 | 5378 | 5447 |
|    |        |   |     |     |   | 5323                | 5516 | 5638 | 5368 | 5715 |
|    |        |   |     |     |   | 5326                | 5430 | 5517 | 5590 | 5530 |
|    |        |   |     |     |   | 5701                | 5452 | 5661 | 5408 | 5671 |
|    |        |   |     |     |   | 5450                | 5607 | 5295 | 5439 | 5443 |
|    |        |   |     |     |   | 5529                | 5352 | 5584 | 5601 | 5358 |
|    |        |   |     |     |   | 5691                | 5496 | 5581 | 5571 | 5472 |
|    |        |   |     |     |   | 5533                | 5321 | 5717 | 5625 | 5652 |
|    |        |   |     |     |   | 5695                | 5662 | 5268 | 5373 | 5349 |
|    |        |   |     |     |   | 5567                | 5483 | 5395 | 5698 | 5649 |
|    |        |   |     |     |   | 5258                | 5605 | 5334 | 5536 | 5723 |
|    |        |   |     |     |   | 5381                | 5436 | 5551 | 5721 | 5467 |
|    |        |   |     |     |   | 5623                | 5606 | 5415 | 5388 | 5379 |
|    |        |   |     |     |   | 5712                | 5478 | 5636 | 5613 | 5656 |
|    |        |   |     |     |   | 5512                | 5449 | 5558 | 5502 | 5546 |
|    |        |   |     |     |   | 5718                | 5572 | 5498 | 5707 | 5509 |
|    |        |   |     |     |   | (number of hits: 8) |      |      |      |      |
| 27 | 5510.0 | 9 | 1.0 | 333 | 1 | 5450                | 5444 | 5645 | 5598 | 5292 |
|    |        |   |     |     |   | 5426                | 5310 | 5251 | 5377 | 5525 |
|    |        |   |     |     |   | 5670                | 5594 | 5485 | 5658 | 5391 |
|    |        |   |     |     |   | 5332                | 5291 | 5557 | 5548 | 5358 |
|    |        |   |     |     |   | 5252                | 5492 | 5472 | 5467 | 5420 |
|    |        |   |     |     |   | 5589                | 5465 | 5269 | 5274 | 5433 |
|    |        |   |     |     |   | 5387                | 5257 | 5267 | 5350 | 5365 |
|    |        |   |     |     |   | 5704                | 5723 | 5339 | 5322 | 5510 |
|    |        |   |     |     |   | 5533                | 5545 | 5535 | 5372 | 5509 |
|    |        |   |     |     |   | 5435                | 5428 | 5637 | 5709 | 5630 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5305                  | 5697 | 5686 | 5504 | 5407 |
|    |        |   |     |     |   | 5584                  | 5457 | 5478 | 5641 | 5388 |
|    |        |   |     |     |   | 5692                  | 5409 | 5656 | 5459 | 5286 |
|    |        |   |     |     |   | 5564                  | 5684 | 5652 | 5657 | 5681 |
|    |        |   |     |     |   | 5362                  | 5324 | 5546 | 5482 | 5715 |
|    |        |   |     |     |   | 5309                  | 5378 | 5662 | 5526 | 5475 |
|    |        |   |     |     |   | 5256                  | 5430 | 5676 | 5326 | 5619 |
|    |        |   |     |     |   | 5593                  | 5297 | 5461 | 5575 | 5500 |
|    |        |   |     |     |   | 5691                  | 5346 | 5392 | 5496 | 5255 |
|    |        |   |     |     |   | 5360                  | 5460 | 5338 | 5333 | 5385 |
|    |        |   |     |     |   | (number of hits: 7 )  |      |      |      |      |
| 28 | 5510.0 | 9 | 1.0 | 333 | 1 | 5705                  | 5683 | 5581 | 5284 | 5609 |
|    |        |   |     |     |   | 5468                  | 5710 | 5326 | 5540 | 5257 |
|    |        |   |     |     |   | 5601                  | 5383 | 5526 | 5378 | 5412 |
|    |        |   |     |     |   | 5323                  | 5418 | 5660 | 5593 | 5550 |
|    |        |   |     |     |   | 5260                  | 5658 | 5413 | 5459 | 5393 |
|    |        |   |     |     |   | 5477                  | 5317 | 5472 | 5673 | 5308 |
|    |        |   |     |     |   | 5507                  | 5322 | 5344 | 5516 | 5548 |
|    |        |   |     |     |   | 5504                  | 5320 | 5519 | 5589 | 5711 |
|    |        |   |     |     |   | 5349                  | 5616 | 5483 | 5300 | 5530 |
|    |        |   |     |     |   | 5301                  | 5489 | 5518 | 5486 | 5690 |
|    |        |   |     |     |   | 5278                  | 5488 | 5331 | 5318 | 5394 |
|    |        |   |     |     |   | 5520                  | 5372 | 5382 | 5401 | 5475 |
|    |        |   |     |     |   | 5579                  | 5572 | 5529 | 5289 | 5684 |
|    |        |   |     |     |   | 5686                  | 5641 | 5348 | 5391 | 5254 |
|    |        |   |     |     |   | 5564                  | 5636 | 5292 | 5277 | 5506 |
|    |        |   |     |     |   | 5685                  | 5523 | 5650 | 5437 | 5343 |
|    |        |   |     |     |   | 5576                  | 5559 | 5263 | 5404 | 5387 |
|    |        |   |     |     |   | 5438                  | 5570 | 5696 | 5384 | 5258 |
|    |        |   |     |     |   | 5496                  | 5491 | 5625 | 5627 | 5654 |
|    |        |   |     |     |   | 5592                  | 5612 | 5449 | 5590 | 5591 |
|    |        |   |     |     |   | (number of hits: 10 ) |      |      |      |      |
| 29 | 5510.0 | 9 | 1.0 | 333 | 1 | 5485                  | 5447 | 5517 | 5348 | 5354 |
|    |        |   |     |     |   | 5510                  | 5257 | 5401 | 5703 | 5464 |
|    |        |   |     |     |   | 5532                  | 5647 | 5567 | 5573 | 5433 |
|    |        |   |     |     |   | 5411                  | 5448 | 5288 | 5541 | 5267 |
|    |        |   |     |     |   | 5268                  | 5252 | 5548 | 5366 | 5365 |
|    |        |   |     |     |   | 5266                  | 5675 | 5302 | 5342 | 5549 |
|    |        |   |     |     |   | 5308                  | 5301 | 5687 | 5668 | 5368 |
|    |        |   |     |     |   | 5546                  | 5315 | 5722 | 5663 | 5321 |
|    |        |   |     |     |   | 5421                  | 5443 | 5527 | 5608 | 5469 |
|    |        |   |     |     |   | 5601                  | 5543 | 5364 | 5507 | 5369 |
|    |        |   |     |     |   | 5483                  | 5343 | 5694 | 5707 | 5336 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5591                 | 5307 | 5446 | 5708 | 5262 |
|    |        |   |     |     |   | 5571                 | 5693 | 5702 | 5630 | 5412 |
|    |        |   |     |     |   | 5590                 | 5384 | 5698 | 5621 | 5367 |
|    |        |   |     |     |   | 5330                 | 5278 | 5280 | 5355 | 5661 |
|    |        |   |     |     |   | 5482                 | 5619 | 5324 | 5580 | 5353 |
|    |        |   |     |     |   | 5669                 | 5519 | 5568 | 5275 | 5674 |
|    |        |   |     |     |   | 5429                 | 5326 | 5498 | 5665 | 5564 |
|    |        |   |     |     |   | 5338                 | 5506 | 5656 | 5253 | 5536 |
|    |        |   |     |     |   | 5679                 | 5609 | 5667 | 5565 | 5487 |
|    |        |   |     |     |   | (number of hits: 7 ) |      |      |      |      |
| 30 | 5510.0 | 9 | 1.0 | 333 | 1 | 5265                 | 5686 | 5453 | 5509 | 5671 |
|    |        |   |     |     |   | 5552                 | 5657 | 5476 | 5391 | 5293 |
|    |        |   |     |     |   | 5366                 | 5436 | 5608 | 5454 | 5499 |
|    |        |   |     |     |   | 5575                 | 5294 | 5586 | 5459 | 5654 |
|    |        |   |     |     |   | 5418                 | 5392 | 5637 | 5339 | 5631 |
|    |        |   |     |     |   | 5593                 | 5403 | 5406 | 5376 | 5688 |
|    |        |   |     |     |   | 5672                 | 5258 | 5330 | 5442 | 5566 |
|    |        |   |     |     |   | 5685                 | 5502 | 5683 | 5420 | 5636 |
|    |        |   |     |     |   | 5404                 | 5359 | 5524 | 5537 | 5449 |
|    |        |   |     |     |   | 5684                 | 5505 | 5321 | 5430 | 5715 |
|    |        |   |     |     |   | 5669                 | 5641 | 5638 | 5290 | 5306 |
|    |        |   |     |     |   | 5601                 | 5320 | 5362 | 5427 | 5516 |
|    |        |   |     |     |   | 5525                 | 5528 | 5576 | 5710 | 5539 |
|    |        |   |     |     |   | 5323                 | 5433 | 5416 | 5645 | 5402 |
|    |        |   |     |     |   | 5264                 | 5380 | 5679 | 5441 | 5491 |
|    |        |   |     |     |   | 5444                 | 5723 | 5605 | 5304 | 5300 |
|    |        |   |     |     |   | 5635                 | 5595 | 5272 | 5394 | 5332 |
|    |        |   |     |     |   | 5643                 | 5461 | 5382 | 5529 | 5389 |
|    |        |   |     |     |   | 5514                 | 5346 | 5259 | 5598 | 5691 |
|    |        |   |     |     |   | 5722                 | 5549 | 5385 | 5365 | 5655 |
|    |        |   |     |     |   | (number of hits: 8 ) |      |      |      |      |

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

| <b>Radar Signal Type</b>       | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|--------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>              | 30                           | 100 %                | 60%              | Pass             |
| <b>Type 2</b>                  | 30                           | 90 %                 | 60%              | Pass             |
| <b>Type 3</b>                  | 30                           | 86.7 %               | 60%              | Pass             |
| <b>Type 4</b>                  | 30                           | 90 %                 | 60%              | Pass             |
| <b>Aggregate (Type 1 to 4)</b> | 120                          | 91.7%                | 80%              | Pass             |
| <b>Type 5</b>                  | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                  | 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.*

| <b>Trial #</b>                               | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|--|--------------------|--|------------------------------------|------------------------------------|
| 1  | 59                 | 1.0  | 898                                | 1                                  |
| 2  | 86                 | 1.0  | 618                                | 1                                  |
| 3  | 74                 | 1.0  | 718                                | 1                                  |
| 4  | 68                 | 1.0  | 778                                | 1                                  |
| 5  | 76                 | 1.0  | 698                                | 1                                  |
| 6  | 72                 | 1.0  | 738                                | 1                                  |
| 7  | 81                 | 1.0  | 658                                | 1                                  |
| 8  | 70                 | 1.0  | 758                                | 1                                  |
| 9  | 78                 | 1.0  | 678                                | 1                                  |
| 10   | 63                 | 1.0  | 838                                | 1                                  |
| 11   | 57                 | 1.0  | 938                                | 1                                  |
| 12   | 83                 | 1.0  | 638                                | 1                                  |
| 13   | 95                 | 1.0  | 558                                | 1                                  |
| 14   | 18                 | 1.0  | 3066                               | 1                                  |
| 15   | 102                | 1.0  | 518                                | 1                                  |
| 16   | 25                 | 1.0  | 2163                               | 1                                  |
| 17   | 31                 | 1.0  | 1730                               | 1                                  |
| 18   | 22                 | 1.0  | 2458                               | 1                                  |
| 19   | 38                 | 1.0  | 1392                               | 1                                  |
| 20   | 47                 | 1.0  | 1123                               | 1                                  |
| 21   | 20                 | 1.0  | 2762                               | 1                                  |
| 22   | 84                 | 1.0  | 633                                | 1                                  |
| 23   | 61                 | 1.0  | 870                                | 1                                  |
| 24   | 18                 | 1.0  | 2992                               | 1                                  |
| 25   | 31                 | 1.0  | 1726                               | 1                                  |
| 26   | 29                 | 1.0  | 1820                               | 1                                  |
| 27   | 25                 | 1.0  | 2114                               | 1                                  |
| 28   | 51                 | 1.0  | 1053                               | 1                                  |
| 29   | 20                 | 1.0  | 2692                               | 1                                  |
| 30   | 25                 | 1.0  | 2157                               | 1                                  |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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   | 24          | 2.7              | 164      | 1                       |
| 2   | 23          | 4.3              | 228      | 1                       |
| 3   | 26          | 2.5              | 177      | 1                       |
| 4   | 28          | 1                | 187      | 1                       |
| 5   | 27          | 1.2              | 203      | 1                       |
| 6   | 26          | 5                | 229      | 1                       |
| 7   | 25          | 1.7              | 222      | 1                       |
| 8   | 29          | 2.7              | 179      | 1                       |
| 9   | 23          | 1.8              | 154      | 1                       |
| 10  | 27          | 3.4              | 191      | 1                       |
| 11  | 23          | 1.6              | 196      | 1                       |
| 12  | 24          | 1.8              | 159      | 1                       |
| 13  | 25          | 3.2              | 227      | 1                       |
| 14  | 29          | 5                | 152      | 0                       |
| 15  | 27          | 3.3              | 153      | 1                       |
| 16  | 27          | 2.9              | 176      | 0                       |
| 17  | 24          | 1.9              | 213      | 1                       |
| 18  | 27          | 2.7              | 155      | 1                       |
| 19  | 27          | 2.8              | 185      | 1                       |
| 20  | 27          | 3.3              | 165      | 1                       |
| 21  | 29          | 4.1              | 170      | 1                       |
| 22  | 23          | 1.9              | 190      | 1                       |
| 23  | 24          | 4.4              | 230      | 0                       |
| 24  | 25          | 2.1              | 195      | 1                       |
| 25  | 28          | 2.2              | 161      | 1                       |
| 26  | 24          | 5                | 192      | 1                       |
| 27  | 28          | 1.4              | 168      | 1                       |
| 28  | 25          | 3.4              | 175      | 1                       |
| 29  | 28          | 2                | 207      | 1                       |
| 30  | 29          | 4.9              | 201      | 1                       |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |             |                  |          |                         |

**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   | 16          | 7.8              | 342      | 1                       |
| 2   | 16          | 8.6              | 488      | 1                       |
| 3   | 17          | 9.3              | 319      | 0                       |
| 4   | 18          | 8.4              | 288      | 0                       |
| 5   | 17          | 6.9              | 225      | 1                       |
| 6   | 17          | 6.3              | 393      | 1                       |
| 7   | 17          | 6.9              | 454      | 1                       |
| 8   | 18          | 8.8              | 247      | 0                       |
| 9   | 16          | 9.5              | 283      | 1                       |
| 10  | 17          | 9.5              | 418      | 1                       |
| 11  | 16          | 8.3              | 286      | 1                       |
| 12  | 16          | 6.1              | 340      | 1                       |
| 13  | 16          | 6.7              | 473      | 1                       |
| 14  | 18          | 8.8              | 338      | 1                       |
| 15  | 18          | 6.4              | 487      | 1                       |
| 16  | 17          | 9.9              | 379      | 1                       |
| 17  | 16          | 9.5              | 416      | 1                       |
| 18  | 17          | 8.6              | 453      | 1                       |
| 19  | 18          | 8.4              | 363      | 1                       |
| 20  | 18          | 8.9              | 345      | 1                       |
| 21  | 18          | 6.8              | 397      | 1                       |
| 22  | 16          | 6.3              | 467      | 1                       |
| 23  | 16          | 8                | 450      | 1                       |
| 24  | 17          | 6.7              | 378      | 0                       |
| 25  | 18          | 6.8              | 243      | 1                       |
| 26  | 16          | 7.4              | 386      | 1                       |
| 27  | 18          | 7.2              | 424      | 1                       |
| 28  | 16          | 7.1              | 304      | 1                       |
| 29  | 18          | 8.7              | 479      | 1                       |
| 30  | 18          | 8.9              | 395      | 1                       |
| <b>Detection Percentage: 86.7 % (&gt;60%)</b> |             |                  |          |                         |



**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   | 13          | 11.2             | 325      | 0                       |
| 2   | 12          | 12.4             | 482      | 1                       |
| 3   | 14          | 17.9             | 442      | 1                       |
| 4   | 15          | 15.9             | 394      | 1                       |
| 5   | 15          | 11.8             | 331      | 1                       |
| 6   | 14          | 17.4             | 205      | 1                       |
| 7   | 13          | 16               | 338      | 1                       |
| 8   | 16          | 16.3             | 288      | 1                       |
| 9   | 12          | 18               | 389      | 0                       |
| 10  | 15          | 12.7             | 227      | 1                       |
| 11  | 12          | 19.1             | 457      | 1                       |
| 12  | 13          | 20               | 344      | 1                       |
| 13  | 13          | 17.3             | 301      | 1                       |
| 14  | 16          | 17.3             | 340      | 1                       |
| 15  | 15          | 14.3             | 443      | 1                       |
| 16  | 15          | 13.8             | 230      | 1                       |
| 17  | 13          | 12.9             | 352      | 1                       |
| 18  | 15          | 11.4             | 421      | 1                       |
| 19  | 15          | 16               | 403      | 1                       |
| 20  | 15          | 19.3             | 209      | 1                       |
| 21  | 16          | 17.3             | 235      | 1                       |
| 22  | 12          | 16.1             | 200      | 1                       |
| 23  | 12          | 17.4             | 360      | 1                       |
| 24  | 13          | 12.5             | 263      | 1                       |
| 25  | 15          | 15               | 201      | 0                       |
| 26  | 12          | 14.6             | 466      | 1                       |
| 27  | 15          | 15.7             | 228      | 1                       |
| 28  | 13          | 18               | 430      | 1                       |
| 29  | 16          | 14.3             | 441      | 1                       |
| 30  | 16          | 16.2             | 277      | 1                       |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5496.0          | 1                              |
| 12   | 5495.0          | 1                              |
| 13   | 5498.0          | 1                              |
| 14   | 5500.0          | 1                              |
| 15   | 5494.0          | 1                              |
| 16   | 5498.0          | 1                              |
| 17   | 5497.0          | 1                              |
| 18   | 5496.0          | 1                              |
| 19   | 5499.0          | 1                              |
| 20   | 5498.0          | 1                              |
| 21   | 5562.0          | 1                              |
| 22   | 5565.0          | 1                              |
| 23   | 5561.0          | 1                              |
| 24   | 5560.0          | 1                              |
| 25   | 5562.0          | 1                              |
| 26   | 5560.0          | 1                              |
| 27   | 5562.0          | 1                              |
| 28   | 5564.0          | 1                              |
| 29   | 5561.0          | 1                              |
| 30   | 5562.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## Bin5 Statistics 1

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 486393            | 80.9             | 15                | 1                          | 1198       | -          | -          | 1                       |
| 1       | 750774            | 52.9             | 15                | 1                          | 1065       | -          | -          |                         |
| 2       | 1013747           | 91.7             | 15                | 2                          | 1179       | 1334       | -          |                         |
| 3       | 188921            | 92.7             | 15                | 3                          | 1747       | 1261       | 1800       |                         |
| 4       | 453085            | 98.9             | 15                | 2                          | 1531       | 1476       | -          |                         |
| 5       | 716874            | 61.8             | 15                | 2                          | 1588       | 1512       | -          |                         |
| 6       | 981281            | 77.3             | 15                | 2                          | 1308       | 1150       | -          |                         |
| 7       | 156462            | 97.4             | 15                | 3                          | 1749       | 1365       | 1780       |                         |
| 8       | 421067            | 74.7             | 15                | 1                          | 1759       | -          | -          |                         |
| 9       | 684632            | 73.1             | 15                | 2                          | 1226       | 1468       | -          |                         |
| 10      | 949640            | 53.3             | 15                | 1                          | 1453       | -          | -          |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 4       | 152133            | 92               | 16                | 1                          | 1114       | -          | -          | 1                       |
| 1       | 474969            | 89.9             | 16                | 1                          | 1871       | -          | -          |                         |
| 2       | 796371            | 88.3             | 16                | 3                          | 1447       | 1895       | 1064       |                         |
| 3       | 1117643           | 82               | 16                | 3                          | 1839       | 1853       | 1943       |                         |
| 4       | 112181            | 50.7             | 16                | 2                          | 1772       | 1162       | -          |                         |
| 5       | 435314            | 75.6             | 16                | 1                          | 1498       | -          | -          |                         |
| 6       | 756983            | 53.2             | 16                | 2                          | 1938       | 1919       | -          |                         |
| 7       | 1079391           | 96.3             | 16                | 3                          | 1080       | 1544       | 1272       |                         |
| 8       | 72340             | 57.9             | 16                | 3                          | 1961       | 1058       | 1680       |                         |

## Bin5 Statistics 3

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 253145                   | 80.1                    | 5                        | 3                                 | 1511              | 1516              | 1715              | 1                              |
| 1              | 461642                   | 92.9                    | 5                        | 1                                 | 1473              | -                 | -                 |                                |
| 2              | 669229                   | 56.9                    | 5                        | 1                                 | 1397              | -                 | -                 |                                |
| 3              | 21002                    | 67.2                    | 5                        | 2                                 | 1311              | 1154              | -                 |                                |
| 4              | 227697                   | 76.2                    | 5                        | 3                                 | 1663              | 1315              | 1700              |                                |
| 5              | 436311                   | 65.3                    | 5                        | 1                                 | 1020              | -                 | -                 |                                |
| 6              | 640676                   | 57.8                    | 5                        | 3                                 | 1573              | 1811              | 1985              |                                |
| 7              | 851025                   | 91.4                    | 5                        | 1                                 | 1582              | -                 | -                 |                                |
| 8              | 202289                   | 97.8                    | 5                        | 3                                 | 1620              | 1539              | 1270              |                                |
| 9              | 408571                   | 98.9                    | 5                        | 3                                 | 1910              | 1859              | 1761              |                                |
| 10             | 617006                   | 87.6                    | 5                        | 2                                 | 1567              | 1343              | -                 |                                |
| 11             | 822853                   | 78.7                    | 5                        | 3                                 | 1576              | 1644              | 1070              |                                |
| 12             | 176929                   | 90.6                    | 5                        | 3                                 | 1458              | 1346              | 1072              |                                |
| 13             | 384738                   | 56                      | 5                        | 1                                 | 1954              | -                 | -                 |                                |

## Bin5 Statistics 4

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 458185            | 79.9             | 17                | 3                          | 1801       | 1959       | 1190       | 1                       |
| 1       | 619228            | 61.3             | 17                | 3                          | 1654       | 1398       | 1303       |                         |
| 2       | 117455            | 94.9             | 17                | 3                          | 1837       | 1163       | 1881       |                         |
| 3       | 279452            | 56               | 17                | 1                          | 1325       | -          | -          |                         |
| 4       | 439992            | 89.6             | 17                | 2                          | 1395       | 1178       | -          |                         |
| 5       | 600677            | 57.1             | 17                | 2                          | 1883       | 1108       | -          |                         |
| 6       | 98205             | 52.1             | 17                | 1                          | 1350       | -          | -          |                         |
| 7       | 258073            | 65.2             | 17                | 3                          | 1964       | 1422       | 1790       |                         |
| 8       | 418796            | 96.3             | 17                | 3                          | 1101       | 1659       | 1956       |                         |
| 9       | 581309            | 86.1             | 17                | 2                          | 1159       | 1307       | -          |                         |
| 10      | 78076             | 65.4             | 17                | 2                          | 1737       | 1765       | -          |                         |
| 11      | 238651            | 67.4             | 17                | 3                          | 1942       | 1222       | 1068       |                         |
| 12      | 399302            | 91.9             | 17                | 3                          | 1025       | 1351       | 1874       |                         |
| 13      | 561425            | 66               | 17                | 2                          | 1331       | 1184       | -          |                         |
| 14      | 58456             | 73.9             | 17                | 1                          | 1317       | -          | -          |                         |
| 15      | 219164            | 83.4             | 17                | 2                          | 1957       | 1360       | -          |                         |
| 16      | 380194            | 72.7             | 17                | 2                          | 1081       | 1980       | -          |                         |
| 17      | 542258            | 64.4             | 17                | 1                          | 1689       | -          | -          |                         |

## Bin5 Statistics 5

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 43338                    | 77.3                    | 8                        | 2                                 | 1172              | 1418              | -                 | 1                              |
| 1              | 223670                   | 68.8                    | 8                        | 3                                 | 1948              | 1789              | 1975              |                                |
| 2              | 405553                   | 75.9                    | 8                        | 2                                 | 1496              | 1694              | -                 |                                |
| 3              | 587687                   | 88.1                    | 8                        | 1                                 | 1905              | -                 | -                 |                                |
| 4              | 20968                    | 96                      | 8                        | 3                                 | 1164              | 1029              | 1858              |                                |
| 5              | 202566                   | 74.5                    | 8                        | 1                                 | 1533              | -                 | -                 |                                |
| 6              | 382470                   | 66.5                    | 8                        | 3                                 | 1953              | 1492              | 1249              |                                |
| 7              | 564697                   | 83.6                    | 8                        | 2                                 | 1353              | 1400              | -                 |                                |
| 8              | 745555                   | 53.9                    | 8                        | 2                                 | 1393              | 1734              | -                 |                                |
| 9              | 180115                   | 86                      | 8                        | 1                                 | 1912              | -                 | -                 |                                |
| 10             | 361775                   | 99.7                    | 8                        | 1                                 | 1446              | -                 | -                 |                                |
| 11             | 543409                   | 75.8                    | 8                        | 1                                 | 1327              | -                 | -                 |                                |
| 12             | 725154                   | 85.6                    | 8                        | 1                                 | 1153              | -                 | -                 |                                |
| 13             | 157846                   | 74.7                    | 8                        | 1                                 | 1532              | -                 | -                 |                                |
| 14             | 339045                   | 51.4                    | 8                        | 2                                 | 1236              | 1019              | -                 |                                |
| 15             | 521249                   | 83.8                    | 8                        | 1                                 | 1031              | -                 | -                 |                                |

## Bin5 Statistics 6

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 861847            | 58.4             | 16                | 3                          | 1590       | 1720       | 1430       | 1                       |
| 1       | 166142            | 70.7             | 16                | 3                          | 1944       | 1630       | 1681       |                         |
| 2       | 389316            | 55.8             | 16                | 3                          | 1520       | 1240       | 1142       |                         |
| 3       | 613651            | 69.6             | 16                | 1                          | 1791       | -          | -          |                         |
| 4       | 836922            | 63.6             | 16                | 1                          | 1978       | -          | -          |                         |
| 5       | 139333            | 89.1             | 16                | 1                          | 1220       | -          | -          |                         |
| 6       | 362212            | 55.8             | 16                | 2                          | 1215       | 1783       | -          |                         |
| 7       | 584637            | 64.8             | 16                | 3                          | 1229       | 1157       | 1748       |                         |
| 8       | 808307            | 96.7             | 16                | 2                          | 1594       | 1633       | -          |                         |
| 9       | 111350            | 70.9             | 16                | 3                          | 1947       | 1321       | 1604       |                         |
| 10      | 334289            | 51.7             | 16                | 3                          | 1213       | 1741       | 1243       |                         |
| 11      | 558571            | 58.8             | 16                | 1                          | 1847       | -          | -          |                         |
| 12      | 781076            | 73.5             | 16                | 2                          | 1265       | 1669       | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 91253             | 91.9             | 20                | 1                          | 1553       | -          | -          | 1                       |
| 1       | 333524            | 67.4             | 20                | 1                          | 1207       | -          | -          |                         |
| 2       | 574831            | 64.3             | 20                | 2                          | 1465       | 1357       | -          |                         |
| 3       | 816598            | 76.2             | 20                | 2                          | 1185       | 1736       | -          |                         |
| 4       | 61378             | 73.1             | 20                | 2                          | 1087       | 1228       | -          |                         |
| 5       | 302976            | 51.4             | 20                | 2                          | 1854       | 1686       | -          |                         |
| 6       | 545761            | 71.8             | 20                | 1                          | 1505       | -          | -          |                         |
| 7       | 786358            | 80.2             | 20                | 2                          | 1817       | 1677       | -          |                         |
| 8       | 31519             | 91.9             | 20                | 3                          | 1426       | 1129       | 1470       |                         |
| 9       | 272981            | 65.4             | 20                | 3                          | 1423       | 1906       | 1037       |                         |
| 10      | 514320            | 70.4             | 20                | 3                          | 1897       | 1388       | 1339       |                         |
| 11      | 758277            | 89.6             | 20                | 1                          | 1269       | -          | -          |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1061              | 56               | 16                | 1                          | 1116       | -          | -          | 1                       |
| 1       | 145505            | 53.1             | 16                | 3                          | 1254       | 1277       | 1879       |                         |
| 2       | 291555            | 66.2             | 16                | 1                          | 1122       | -          | -          |                         |
| 3       | 434195            | 65.6             | 16                | 3                          | 1678       | 1266       | 1752       |                         |
| 4       | 580492            | 70.5             | 16                | 2                          | 1679       | 1044       | -          |                         |
| 5       | 128284            | 50.5             | 16                | 1                          | 1742       | -          | -          |                         |
| 6       | 273628            | 90.8             | 16                | 1                          | 1200       | -          | -          |                         |
| 7       | 418510            | 66               | 16                | 1                          | 1695       | -          | -          |                         |
| 8       | 563091            | 58               | 16                | 2                          | 1214       | 1040       | -          |                         |
| 9       | 110169            | 57.6             | 16                | 2                          | 1538       | 1517       | -          |                         |
| 10      | 254901            | 53.1             | 16                | 2                          | 1971       | 1192       | -          |                         |
| 11      | 399671            | 77.6             | 16                | 2                          | 1775       | 1361       | -          |                         |
| 12      | 545570            | 53               | 16                | 1                          | 1885       | -          | -          |                         |
| 13      | 92552             | 50.8             | 16                | 1                          | 1658       | -          | -          |                         |
| 14      | 237604            | 88.2             | 16                | 1                          | 1821       | -          | -          |                         |
| 15      | 382964            | 62.9             | 16                | 1                          | 1379       | -          | -          |                         |
| 16      | 527239            | 61               | 16                | 2                          | 1088       | 1322       | -          |                         |
| 17      | 74386             | 91.4             | 16                | 3                          | 1086       | 1494       | 1409       |                         |
| 18      | 219995            | 75.1             | 16                | 1                          | 1110       | -          | -          |                         |
| 19      | 365017            | 72.7             | 16                | 1                          | 1483       | -          | -          |                         |



## Bin5 Statistics 9

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1132540           | 57.6             | 5                 | 3                          | 2000       | 1413       | 1273       | 1                       |
| 1       | 126129            | 60.1             | 5                 | 3                          | 1705       | 1000       | 1997       |                         |
| 2       | 449438            | 62.1             | 5                 | 1                          | 1519       | -          | -          |                         |
| 3       | 770719            | 68.5             | 5                 | 3                          | 1408       | 1441       | 1646       |                         |
| 4       | 1094226           | 85.3             | 5                 | 2                          | 1076       | 1934       | -          |                         |
| 5       | 86461             | 99.6             | 5                 | 3                          | 1739       | 1173       | 1421       |                         |
| 6       | 408808            | 62.4             | 5                 | 3                          | 1504       | 1518       | 1239       |                         |
| 7       | 730776            | 73.2             | 5                 | 3                          | 1373       | 1591       | 1977       |                         |
| 8       | 1054944           | 79.7             | 5                 | 2                          | 1181       | 1248       | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 26208             | 53.5             | 19                | 3                          | 1793       | 1585       | 1733       | 1                       |
| 1       | 207842            | 66.6             | 19                | 1                          | 1600       | -          | -          |                         |
| 2       | 389252            | 55.3             | 19                | 1                          | 1792       | -          | -          |                         |
| 3       | 570595            | 85.5             | 19                | 1                          | 1951       | -          | -          |                         |
| 4       | 3974              | 80.1             | 19                | 1                          | 1489       | -          | -          |                         |
| 5       | 185546            | 57.6             | 19                | 1                          | 1349       | -          | -          |                         |
| 6       | 366832            | 86               | 19                | 1                          | 1930       | -          | -          |                         |
| 7       | 548491            | 89.6             | 19                | 1                          | 1619       | -          | -          |                         |
| 8       | 730243            | 99.3             | 19                | 1                          | 1366       | -          | -          |                         |
| 9       | 162468            | 76.2             | 19                | 3                          | 1503       | 1380       | 1735       |                         |
| 10      | 344207            | 70.3             | 19                | 2                          | 1033       | 1499       | -          |                         |
| 11      | 524033            | 61               | 19                | 3                          | 1587       | 1602       | 1419       |                         |
| 12      | 705266            | 92.9             | 19                | 3                          | 1326       | 1158       | 1645       |                         |
| 13      | 140840            | 65.4             | 19                | 1                          | 1218       | -          | -          |                         |
| 14      | 320962            | 84.2             | 19                | 3                          | 1456       | 1232       | 1968       |                         |
| 15      | 501411            | 64.2             | 19                | 3                          | 1367       | 1845       | 1921       |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 1369520                  | 86.8                    | 11                       | 3                                 | 1160              | 1903              | 1314              | 1                              |
| 1              | 237076                   | 73.1                    | 11                       | 1                                 | 1577              | -                 | -                 |                                |
| 2              | 600429                   | 72.3                    | 11                       | 1                                 | 1731              | -                 | -                 |                                |
| 3              | 964031                   | 63.3                    | 11                       | 1                                 | 1382              | -                 | -                 |                                |
| 4              | 1324802                  | 58.8                    | 11                       | 3                                 | 1477              | 1043              | 1901              |                                |
| 5              | 192370                   | 69.2                    | 11                       | 1                                 | 1126              | -                 | -                 |                                |
| 6              | 555822                   | 50.4                    | 11                       | 1                                 | 1320              | -                 | -                 |                                |
| 7              | 917028                   | 90.3                    | 11                       | 3                                 | 1640              | 1558              | 1825              |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 931402                   | 97.7                    | 7                        | 2                                 | 1729              | 1015              | -                 | 1                              |
| 1              | 107231                   | 81.9                    | 7                        | 1                                 | 1924              | -                 | -                 |                                |
| 2              | 371356                   | 95.9                    | 7                        | 1                                 | 1888              | -                 | -                 |                                |
| 3              | 634881                   | 91                      | 7                        | 2                                 | 1768              | 1144              | -                 |                                |
| 4              | 899871                   | 97.7                    | 7                        | 1                                 | 1560              | -                 | -                 |                                |
| 5              | 74758                    | 80.3                    | 7                        | 1                                 | 1049              | -                 | -                 |                                |
| 6              | 338470                   | 70.9                    | 7                        | 2                                 | 1375              | 1647              | -                 |                                |
| 7              | 602820                   | 88.1                    | 7                        | 2                                 | 1085              | 1028              | -                 |                                |
| 8              | 867392                   | 67.5                    | 7                        | 1                                 | 1479              | -                 | -                 |                                |
| 9              | 42109                    | 86.3                    | 7                        | 2                                 | 1674              | 1711              | -                 |                                |
| 10             | 305464                   | 54.5                    | 7                        | 3                                 | 1770              | 1195              | 1855              |                                |

## Bin5 Statistics 13

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 523092            | 91.1             | 15                | 1                          | 1319       | -          | -          | 1                       |
| 1       | 763838            | 97.9             | 15                | 2                          | 1583       | 1648       | -          |                         |
| 2       | 8819              | 92.2             | 15                | 2                          | 1515       | 1491       | -          |                         |
| 3       | 251058            | 73               | 15                | 1                          | 1268       | -          | -          |                         |
| 4       | 491846            | 93.2             | 15                | 3                          | 1374       | 1062       | 1740       |                         |
| 5       | 733101            | 52.2             | 15                | 3                          | 1559       | 1763       | 1211       |                         |
| 6       | 977549            | 73.3             | 15                | 1                          | 1454       | -          | -          |                         |
| 7       | 220943            | 61.8             | 15                | 2                          | 1098       | 1429       | -          |                         |
| 8       | 462103            | 65.2             | 15                | 3                          | 1843       | 1219       | 1100       |                         |
| 9       | 702601            | 54.8             | 15                | 3                          | 1963       | 1886       | 1762       |                         |
| 10      | 947368            | 61.7             | 15                | 1                          | 1822       | -          | -          |                         |
| 11      | 190861            | 64.8             | 15                | 3                          | 1530       | 1136       | 1340       |                         |

## Bin5 Statistics 14

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 258521                   | 94.7                    | 19                       | 3                                 | 1449              | 1563              | 1536              | 1                              |
| 1              | 403728                   | 78                      | 19                       | 2                                 | 1566              | 1814              | -                 |                                |
| 2              | 550148                   | 54.2                    | 19                       | 1                                 | 1508              | -                 | -                 |                                |
| 3              | 96427                    | 98.6                    | 19                       | 3                                 | 1105              | 1464              | 1300              |                                |
| 4              | 240725                   | 76.5                    | 19                       | 3                                 | 1649              | 1436              | 1482              |                                |
| 5              | 385658                   | 90.2                    | 19                       | 2                                 | 1769              | 1991              | -                 |                                |
| 6              | 529925                   | 59.9                    | 19                       | 3                                 | 1118              | 1738              | 1286              |                                |
| 7              | 78485                    | 70.8                    | 19                       | 3                                 | 1807              | 1296              | 1771              |                                |
| 8              | 223401                   | 84.4                    | 19                       | 2                                 | 1642              | 1685              | -                 |                                |
| 9              | 369082                   | 66.1                    | 19                       | 1                                 | 1756              | -                 | -                 |                                |
| 10             | 513823                   | 65                      | 19                       | 2                                 | 1132              | 1034              | -                 |                                |
| 11             | 60934                    | 87.8                    | 19                       | 2                                 | 1615              | 1024              | -                 |                                |
| 12             | 205298                   | 98.2                    | 19                       | 3                                 | 1744              | 1145              | 1246              |                                |
| 13             | 351305                   | 61.7                    | 19                       | 1                                 | 1595              | -                 | -                 |                                |
| 14             | 494064                   | 95                      | 19                       | 3                                 | 1399              | 1527              | 1529              |                                |
| 15             | 42988                    | 92                      | 19                       | 3                                 | 1280              | 1306              | 1442              |                                |
| 16             | 187599                   | 69                      | 19                       | 3                                 | 1147              | 1584              | 1078              |                                |
| 17             | 333512                   | 55.2                    | 19                       | 1                                 | 1444              | -                 | -                 |                                |
| 18             | 476181                   | 82.2                    | 19                       | 3                                 | 1493              | 1652              | 1425              |                                |
| 19             | 25244                    | 93.5                    | 19                       | 2                                 | 1332              | 1287              | -                 |                                |

## Bin5 Statistics 15

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 212621                   | 56.5                    | 5                        | 2                                 | 1412              | 1993              | -                 | 1                              |
| 1              | 394056                   | 60.9                    | 5                        | 2                                 | 1624              | 1095              | -                 |                                |
| 2              | 575473                   | 93.2                    | 5                        | 2                                 | 1396              | 1092              | -                 |                                |
| 3              | 9252                     | 66.4                    | 5                        | 2                                 | 1428              | 1377              | -                 |                                |
| 4              | 190585                   | 94.7                    | 5                        | 2                                 | 1244              | 1113              | -                 |                                |
| 5              | 370739                   | 50.1                    | 5                        | 3                                 | 1703              | 1774              | 1238              |                                |
| 6              | 553992                   | 79.2                    | 5                        | 1                                 | 1338              | -                 | -                 |                                |
| 7              | 734988                   | 61.1                    | 5                        | 1                                 | 1927              | -                 | -                 |                                |
| 8              | 167468                   | 85.5                    | 5                        | 3                                 | 1907              | 1945              | 1976              |                                |
| 9              | 348572                   | 57.4                    | 5                        | 3                                 | 1872              | 1199              | 1433              |                                |
| 10             | 531833                   | 85.2                    | 5                        | 1                                 | 1047              | -                 | -                 |                                |
| 11             | 710016                   | 85.5                    | 5                        | 3                                 | 1655              | 1115              | 1911              |                                |
| 12             | 146122                   | 86                      | 5                        | 1                                 | 1289              | -                 | -                 |                                |
| 13             | 326768                   | 67.1                    | 5                        | 2                                 | 1684              | 1753              | -                 |                                |
| 14             | 509421                   | 51.2                    | 5                        | 1                                 | 1103              | -                 | -                 |                                |
| 15             | 691132                   | 63                      | 5                        | 1                                 | 1016              | -                 | -                 |                                |

## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 123254                   | 93.4                    | 15                       | 3                                 | 1093              | 1661              | 1565              | 1                              |
| 1              | 304778                   | 81.7                    | 15                       | 2                                 | 1420              | 1250              | -                 |                                |
| 2              | 485016                   | 94.4                    | 15                       | 3                                 | 1625              | 1347              | 1256              |                                |
| 3              | 668129                   | 98                      | 15                       | 1                                 | 1719              | -                 | -                 |                                |
| 4              | 101066                   | 57.6                    | 15                       | 2                                 | 1693              | 1972              | -                 |                                |
| 5              | 281557                   | 65.5                    | 15                       | 3                                 | 1706              | 1777              | 1555              |                                |
| 6              | 464253                   | 70.1                    | 15                       | 1                                 | 1784              | -                 | -                 |                                |
| 7              | 646066                   | 74.9                    | 15                       | 1                                 | 1381              | -                 | -                 |                                |
| 8              | 79015                    | 82.8                    | 15                       | 1                                 | 1345              | -                 | -                 |                                |
| 9              | 260548                   | 54.3                    | 15                       | 1                                 | 1457              | -                 | -                 |                                |
| 10             | 442145                   | 74.9                    | 15                       | 1                                 | 1369              | -                 | -                 |                                |
| 11             | 621687                   | 81.4                    | 15                       | 3                                 | 1174              | 1487              | 1138              |                                |
| 12             | 56602                    | 57.2                    | 15                       | 1                                 | 1962              | -                 | -                 |                                |
| 13             | 238069                   | 81.4                    | 15                       | 1                                 | 1824              | -                 | -                 |                                |
| 14             | 418675                   | 92.9                    | 15                       | 2                                 | 1537              | 1804              | -                 |                                |
| 15             | 600258                   | 60                      | 15                       | 2                                 | 1664              | 1061              | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 49724             | 72.6             | 13                | 3                          | 1955       | 1474       | 1651       | 1                       |
| 1       | 313085            | 68.3             | 13                | 3                          | 1216       | 1851       | 1967       |                         |
| 2       | 577412            | 58.3             | 13                | 2                          | 1574       | 1637       | -          |                         |
| 3       | 841460            | 83.8             | 13                | 2                          | 1141       | 1750       | -          |                         |
| 4       | 17303             | 84.8             | 13                | 3                          | 1051       | 1484       | 1451       |                         |
| 5       | 280817            | 87.9             | 13                | 3                          | 1862       | 1384       | 1124       |                         |
| 6       | 544987            | 53.9             | 13                | 2                          | 1904       | 1169       | -          |                         |
| 7       | 807558            | 76.4             | 13                | 3                          | 1852       | 1197       | 1723       |                         |
| 8       | 1074271           | 61               | 13                | 1                          | 1435       | -          | -          |                         |
| 9       | 248667            | 98.9             | 13                | 2                          | 1241       | 1773       | -          |                         |
| 10      | 513452            | 85.4             | 13                | 1                          | 1027       | -          | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 567687            | 77               | 11                | 3                          | 1440       | 1462       | 1616       | 1                       |
| 1       | 760907            | 81               | 11                | 3                          | 1902       | 1054       | 1258       |                         |
| 2       | 158332            | 79.6             | 11                | 2                          | 1556       | 1612       | -          |                         |
| 3       | 352356            | 51.7             | 11                | 1                          | 1431       | -          | -          |                         |
| 4       | 544500            | 81.1             | 11                | 2                          | 1781       | 1894       | -          |                         |
| 5       | 736594            | 60.5             | 11                | 3                          | 1786       | 1751       | 1260       |                         |
| 6       | 134621            | 81.9             | 11                | 2                          | 1402       | 1209       | -          |                         |
| 7       | 328442            | 98.7             | 11                | 1                          | 1568       | -          | -          |                         |
| 8       | 521693            | 87.3             | 11                | 2                          | 1052       | 1120       | -          |                         |
| 9       | 714807            | 60.8             | 11                | 2                          | 1177       | 1424       | -          |                         |
| 10      | 110705            | 84.3             | 11                | 2                          | 1675       | 1622       | -          |                         |
| 11      | 304569            | 85.8             | 11                | 1                          | 1623       | -          | -          |                         |
| 12      | 497608            | 91               | 11                | 2                          | 1509       | 1063       | -          |                         |
| 13      | 692056            | 90.8             | 11                | 1                          | 1364       | -          | -          |                         |
| 14      | 87063             | 68.2             | 11                | 1                          | 1841       | -          | -          |                         |

## Bin5 Statistics 19

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247210                   | 83.6                    | 17                       | 2                                 | 1656              | 1149              | -                 | 1                              |
| 1              | 418340                   | 90.3                    | 17                       | 1                                 | 1776              | -                 | -                 |                                |
| 2              | 587909                   | 75.2                    | 17                       | 2                                 | 1309              | 1899              | -                 |                                |
| 3              | 55713                    | 97.8                    | 17                       | 2                                 | 1008              | 1467              | -                 |                                |
| 4              | 226482                   | 53.8                    | 17                       | 1                                 | 1946              | -                 | -                 |                                |
| 5              | 396755                   | 54.1                    | 17                       | 2                                 | 1263              | 1488              | -                 |                                |
| 6              | 568533                   | 64.5                    | 17                       | 1                                 | 1206              | -                 | -                 |                                |
| 7              | 34607                    | 75.2                    | 17                       | 3                                 | 1627              | 1543              | 1188              |                                |
| 8              | 205628                   | 62.8                    | 17                       | 1                                 | 1344              | -                 | -                 |                                |
| 9              | 375664                   | 67.7                    | 17                       | 2                                 | 1724              | 1186              | -                 |                                |
| 10             | 544799                   | 58.7                    | 17                       | 3                                 | 1253              | 1650              | 1755              |                                |
| 11             | 13662                    | 67.4                    | 17                       | 3                                 | 1176              | 1370              | 1165              |                                |
| 12             | 184416                   | 78.2                    | 17                       | 1                                 | 1973              | -                 | -                 |                                |
| 13             | 355553                   | 55.4                    | 17                       | 1                                 | 1146              | -                 | -                 |                                |
| 14             | 526124                   | 77.8                    | 17                       | 1                                 | 1614              | -                 | -                 |                                |
| 15             | 693913                   | 68                      | 17                       | 3                                 | 1182              | 1523              | 1960              |                                |
| 16             | 163467                   | 87                      | 17                       | 1                                 | 1629              | -                 | -                 |                                |



## Bin5 Statistics 20

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 334177                   | 58.8                    | 14                       | 1                                 | 1826              | -                 | -                 | 1                              |
| 1              | 503113                   | 80.2                    | 14                       | 3                                 | 1983              | 1089              | 1291              |                                |
| 2              | 673921                   | 93.2                    | 14                       | 2                                 | 1950              | 1718              | -                 |                                |
| 3              | 142113                   | 94                      | 14                       | 2                                 | 1889              | 1295              | -                 |                                |
| 4              | 312848                   | 53.2                    | 14                       | 2                                 | 1288              | 1202              | -                 |                                |
| 5              | 483833                   | 52.6                    | 14                       | 1                                 | 1923              | -                 | -                 |                                |
| 6              | 652428                   | 93.8                    | 14                       | 3                                 | 1123              | 1293              | 1806              |                                |
| 7              | 121430                   | 70.8                    | 14                       | 1                                 | 1386              | -                 | -                 |                                |
| 8              | 291544                   | 75.3                    | 14                       | 2                                 | 1299              | 1893              | -                 |                                |
| 9              | 463250                   | 82.8                    | 14                       | 1                                 | 1242              | -                 | -                 |                                |
| 10             | 633848                   | 55.5                    | 14                       | 1                                 | 1575              | -                 | -                 |                                |
| 11             | 100397                   | 99.2                    | 14                       | 1                                 | 1292              | -                 | -                 |                                |
| 12             | 271044                   | 88.4                    | 14                       | 1                                 | 1913              | -                 | -                 |                                |
| 13             | 441547                   | 82.5                    | 14                       | 2                                 | 1148              | 1134              | -                 |                                |
| 14             | 610082                   | 67.3                    | 14                       | 3                                 | 1829              | 1699              | 1180              |                                |
| 15             | 79286                    | 93.1                    | 14                       | 1                                 | 1848              | -                 | -                 |                                |
| 16             | 249868                   | 66.6                    | 14                       | 2                                 | 1018              | 1304              | -                 |                                |

## Bin5 Statistics 21

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 356652                   | 54.3                    | 14                       | 2                                 | 1363              | 1908              | -                 | 1                              |
| 1              | 503181                   | 63.6                    | 14                       | 1                                 | 1125              | -                 | -                 |                                |
| 2              | 49560                    | 51.1                    | 14                       | 1                                 | 1030              | -                 | -                 |                                |
| 3              | 193508                   | 63.2                    | 14                       | 3                                 | 1526              | 1931              | 1634              |                                |
| 4              | 339882                   | 95                      | 14                       | 1                                 | 1410              | -                 | -                 |                                |
| 5              | 483327                   | 81.2                    | 14                       | 2                                 | 1998              | 1550              | -                 |                                |
| 6              | 31573                    | 62.4                    | 14                       | 2                                 | 1596              | 1191              | -                 |                                |
| 7              | 176719                   | 55.7                    | 14                       | 1                                 | 1760              | -                 | -                 |                                |
| 8              | 321859                   | 66.7                    | 14                       | 1                                 | 1672              | -                 | -                 |                                |
| 9              | 465840                   | 84.1                    | 14                       | 2                                 | 1534              | 1589              | -                 |                                |
| 10             | 13715                    | 72.3                    | 14                       | 2                                 | 1870              | 1639              | -                 |                                |
| 11             | 158976                   | 93.2                    | 14                       | 1                                 | 1276              | -                 | -                 |                                |
| 12             | 303486                   | 53.6                    | 14                       | 2                                 | 1548              | 1104              | -                 |                                |
| 13             | 449531                   | 93.2                    | 14                       | 1                                 | 1094              | -                 | -                 |                                |
| 14             | 593911                   | 59.4                    | 14                       | 1                                 | 1974              | -                 | -                 |                                |
| 15             | 140770                   | 92.9                    | 14                       | 2                                 | 1490              | 1143              | -                 |                                |
| 16             | 285515                   | 97.3                    | 14                       | 2                                 | 1636              | 1279              | -                 |                                |
| 17             | 431309                   | 76.9                    | 14                       | 1                                 | 1552              | -                 | -                 |                                |
| 18             | 574649                   | 60.8                    | 14                       | 3                                 | 1167              | 1096              | 1161              |                                |
| 19             | 122466                   | 97.6                    | 14                       | 3                                 | 1613              | 1572              | 1670              |                                |

## Bin5 Statistics 22

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 596021            | 74.3             | 7                 | 3                          | 1342       | 1481       | 1017       | 1                       |
| 1       | 917994            | 80.3             | 7                 | 3                          | 1708       | 1233       | 1581       |                         |
| 2       | 1242631           | 87.7             | 7                 | 1                          | 1996       | -          | -          |                         |
| 3       | 233713            | 81.4             | 7                 | 3                          | 1039       | 1757       | 1878       |                         |
| 4       | 557403            | 76.9             | 7                 | 1                          | 1212       | -          | -          |                         |
| 5       | 878915            | 78.5             | 7                 | 2                          | 1984       | 1603       | -          |                         |
| 6       | 1202036           | 71.4             | 7                 | 2                          | 1297       | 1609       | -          |                         |
| 7       | 194526            | 59               | 7                 | 1                          | 1208       | -          | -          |                         |
| 8       | 516113            | 76.1             | 7                 | 3                          | 1925       | 1387       | 1746       |                         |

## Bin5 Statistics 23

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 754470            | 74.5             | 17                | 3                          | 1009       | 1691       | 1796       | 1                       |
| 1       | 1046775           | 85.2             | 17                | 1                          | 1798       | -          | -          |                         |
| 2       | 139243            | 91.5             | 17                | 1                          | 1210       | -          | -          |                         |
| 3       | 429236            | 74.4             | 17                | 2                          | 1868       | 1437       | -          |                         |
| 4       | 719448            | 61.6             | 17                | 2                          | 1941       | 1404       | -          |                         |
| 5       | 1010429           | 51.1             | 17                | 2                          | 1310       | 1140       | -          |                         |
| 6       | 103131            | 64.2             | 17                | 3                          | 1472       | 1869       | 1329       |                         |
| 7       | 393346            | 66.9             | 17                | 2                          | 1918       | 1809       | -          |                         |
| 8       | 684158            | 73.8             | 17                | 2                          | 1006       | 1535       | -          |                         |
| 9       | 973097            | 63.9             | 17                | 3                          | 1223       | 1438       | 1702       |                         |

## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 56340                    | 99                      | 19                       | 1                                 | 1133              | -                 | -                 | 1                              |
| 1              | 298612                   | 80.7                    | 19                       | 1                                 | 1083              | -                 | -                 |                                |
| 2              | 540688                   | 88.2                    | 19                       | 1                                 | 1439              | -                 | -                 |                                |
| 3              | 781771                   | 86.5                    | 19                       | 2                                 | 1262              | 1579              | -                 |                                |
| 4              | 26417                    | 68.5                    | 19                       | 3                                 | 1073              | 1450              | 1717              |                                |
| 5              | 268647                   | 71.5                    | 19                       | 1                                 | 1540              | -                 | -                 |                                |
| 6              | 509086                   | 77.7                    | 19                       | 3                                 | 1513              | 1981              | 1406              |                                |
| 7              | 753203                   | 71.6                    | 19                       | 1                                 | 1221              | -                 | -                 |                                |
| 8              | 994827                   | 89.6                    | 19                       | 1                                 | 1834              | -                 | -                 |                                |
| 9              | 238025                   | 96.2                    | 19                       | 3                                 | 1074              | 1849              | 1932              |                                |
| 10             | 480347                   | 56.2                    | 19                       | 2                                 | 1676              | 1171              | -                 |                                |
| 11             | 721098                   | 91.1                    | 19                       | 3                                 | 1909              | 1416              | 1026              |                                |

## Bin5 Statistics 25

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 643545                   | 55.5                    | 15                       | 1                                 | 1010              | -                 | -                 | 1                              |
| 1              | 138481                   | 56.4                    | 15                       | 3                                 | 1987              | 1779              | 1301              |                                |
| 2              | 299997                   | 95.5                    | 15                       | 2                                 | 1121              | 1607              | -                 |                                |
| 3              | 460326                   | 92.3                    | 15                       | 3                                 | 1392              | 1335              | 1005              |                                |
| 4              | 620596                   | 74                      | 15                       | 3                                 | 1730              | 1528              | 1021              |                                |
| 5              | 118817                   | 76                      | 15                       | 3                                 | 1050              | 1795              | 1660              |                                |
| 6              | 280071                   | 69.7                    | 15                       | 2                                 | 1316              | 1628              | -                 |                                |
| 7              | 440881                   | 86.3                    | 15                       | 2                                 | 1372              | 1819              | -                 |                                |
| 8              | 601625                   | 66.4                    | 15                       | 2                                 | 1721              | 1657              | -                 |                                |
| 9              | 99434                    | 59.8                    | 15                       | 1                                 | 1838              | -                 | -                 |                                |
| 10             | 260852                   | 53.4                    | 15                       | 1                                 | 1391              | -                 | -                 |                                |
| 11             | 420926                   | 79.7                    | 15                       | 2                                 | 1891              | 1510              | -                 |                                |
| 12             | 583253                   | 92.2                    | 15                       | 1                                 | 1732              | -                 | -                 |                                |
| 13             | 79588                    | 98.9                    | 15                       | 1                                 | 1713              | -                 | -                 |                                |
| 14             | 240698                   | 80.9                    | 15                       | 2                                 | 1090              | 1071              | -                 |                                |
| 15             | 401256                   | 68.8                    | 15                       | 2                                 | 1358              | 1805              | -                 |                                |
| 16             | 562136                   | 92.1                    | 15                       | 3                                 | 1175              | 1022              | 1014              |                                |
| 17             | 59651                    | 92                      | 15                       | 2                                 | 1139              | 1378              | -                 |                                |

## Bin5 Statistics 26

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 398299            | 95.3             | 19                | 1                          | 1554       | -          | -          | 1                       |
| 1       | 689200            | 75.9             | 19                | 1                          | 1137       | -          | -          |                         |
| 2       | 979916            | 73.5             | 19                | 1                          | 1193       | -          | -          |                         |
| 3       | 71708             | 63               | 19                | 2                          | 1863       | 1813       | -          |                         |
| 4       | 361645            | 61.9             | 19                | 3                          | 1405       | 1929       | 1036       |                         |
| 5       | 652682            | 66.8             | 19                | 2                          | 1156       | 1271       | -          |                         |
| 6       | 942045            | 86.2             | 19                | 2                          | 1818       | 1988       | -          |                         |
| 7       | 36036             | 93.8             | 19                | 1                          | 1461       | -          | -          |                         |
| 8       | 326288            | 69.1             | 19                | 2                          | 1333       | 1709       | -          |                         |
| 9       | 616922            | 59.9             | 19                | 2                          | 1057       | 1336       | -          |                         |

## Bin5 Statistics 27

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 502806            | 99.3             | 14                | 2                          | 1606       | 1432       | -          | 1                       |
| 1       | 128               | 56.8             | 14                | 2                          | 1356       | 1376       | -          |                         |
| 2       | 161015            | 81.8             | 14                | 2                          | 1697       | 1601       | -          |                         |
| 3       | 321886            | 62.8             | 14                | 2                          | 1506       | 1828       | -          |                         |
| 4       | 483879            | 69.8             | 14                | 1                          | 1803       | -          | -          |                         |
| 5       | 645836            | 83.4             | 14                | 1                          | 1075       | -          | -          |                         |
| 6       | 140771            | 79.7             | 14                | 3                          | 1990       | 1362       | 1952       |                         |
| 7       | 302803            | 85               | 14                | 1                          | 1722       | -          | -          |                         |
| 8       | 463980            | 78.9             | 14                | 1                          | 1856       | -          | -          |                         |
| 9       | 622822            | 69.4             | 14                | 3                          | 1541       | 1673       | 1189       |                         |
| 10      | 121439            | 77.1             | 14                | 2                          | 1727       | 1247       | -          |                         |
| 11      | 281526            | 88.3             | 14                | 3                          | 1275       | 1884       | 1882       |                         |
| 12      | 444235            | 97.2             | 14                | 1                          | 1682       | -          | -          |                         |
| 13      | 605923            | 87.5             | 14                | 1                          | 1234       | -          | -          |                         |
| 14      | 101810            | 97.5             | 14                | 1                          | 1683       | -          | -          |                         |
| 15      | 262984            | 89.1             | 14                | 1                          | 1949       | -          | -          |                         |
| 16      | 422226            | 77.3             | 14                | 3                          | 1865       | 1690       | 1485       |                         |
| 17      | 582753            | 58.4             | 14                | 3                          | 1571       | 1557       | 1842       |                         |

## Bin5 Statistics 28

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 134274            | 94.4             | 11                | 1                          | 1252       | -          | -          | 1                       |
| 1       | 397922            | 69.7             | 11                | 2                          | 1939       | 1032       | -          |                         |
| 2       | 660352            | 90.6             | 11                | 3                          | 1970       | 1966       | 1385       |                         |
| 3       | 926528            | 58.9             | 11                | 1                          | 1928       | -          | -          |                         |
| 4       | 101713            | 79.6             | 11                | 1                          | 1348       | -          | -          |                         |
| 5       | 365558            | 97.7             | 11                | 2                          | 1283       | 1278       | -          |                         |
| 6       | 628951            | 50.9             | 11                | 2                          | 1782       | 1758       | -          |                         |
| 7       | 893482            | 80.4             | 11                | 2                          | 1079       | 1475       | -          |                         |
| 8       | 69034             | 67.6             | 11                | 3                          | 1038       | 1003       | 1330       |                         |
| 9       | 332503            | 92.6             | 11                | 3                          | 1455       | 1060       | 1816       |                         |
| 10      | 597401            | 94.6             | 11                | 1                          | 1836       | -          | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 524069            | 78.6             | 18                | 3                          | 1131       | 1341       | 1716       | 1                       |
| 1       | 22342             | 56               | 18                | 1                          | 1785       | -          | -          |                         |
| 2       | 182772            | 80.3             | 18                | 3                          | 1285       | 1592       | 1896       |                         |
| 3       | 344230            | 56.8             | 18                | 2                          | 1048       | 1936       | -          |                         |
| 4       | 504322            | 59.7             | 18                | 3                          | 1958       | 1055       | 1117       |                         |
| 5       | 2473              | 87               | 18                | 3                          | 1012       | 1371       | 1067       |                         |
| 6       | 163132            | 59.5             | 18                | 3                          | 1170       | 1183       | 1876       |                         |
| 7       | 324303            | 78.1             | 18                | 2                          | 1922       | 1267       | -          |                         |
| 8       | 484064            | 90.6             | 18                | 3                          | 1546       | 1696       | 1524       |                         |
| 9       | 647485            | 59.9             | 18                | 1                          | 1799       | -          | -          |                         |
| 10      | 143181            | 58.8             | 18                | 3                          | 2000       | 1056       | 1920       |                         |
| 11      | 305092            | 69.2             | 18                | 1                          | 1860       | -          | -          |                         |
| 12      | 466465            | 96               | 18                | 1                          | 1665       | -          | -          |                         |
| 13      | 626638            | 89.9             | 18                | 2                          | 1743       | 1099       | -          |                         |
| 14      | 124099            | 72.6             | 18                | 1                          | 1298       | -          | -          |                         |
| 15      | 285376            | 64.9             | 18                | 1                          | 1521       | -          | -          |                         |
| 16      | 446868            | 56.9             | 18                | 1                          | 1264       | -          | -          |                         |
| 17      | 604485            | 78.7             | 18                | 3                          | 1802       | 1688       | 1892       |                         |

## Bin5 Statistics 30

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 98276                    | 86                      | 15                       | 3                                 | 1168              | 1394              | 1605              | 1                              |
| 1              | 251522                   | 65.5                    | 15                       | 1                                 | 1466              | -                 | -                 |                                |
| 2              | 403547                   | 72.8                    | 15                       | 2                                 | 1194              | 1514              | -                 |                                |
| 3              | 555500                   | 89.6                    | 15                       | 2                                 | 1463              | 1887              | -                 |                                |
| 4              | 79686                    | 77.8                    | 15                       | 2                                 | 1726              | 1230              | -                 |                                |
| 5              | 232556                   | 99.5                    | 15                       | 1                                 | 1850              | -                 | -                 |                                |
| 6              | 383134                   | 99.5                    | 15                       | 3                                 | 1989              | 1797              | 1580              |                                |
| 7              | 535875                   | 69.4                    | 15                       | 3                                 | 1151              | 1900              | 1302              |                                |
| 8              | 61016                    | 90.4                    | 15                       | 1                                 | 1830              | -                 | -                 |                                |
| 9              | 213430                   | 77.2                    | 15                       | 2                                 | 1390              | 1383              | -                 |                                |
| 10             | 364840                   | 84.1                    | 15                       | 3                                 | 1986              | 1217              | 1452              |                                |
| 11             | 516998                   | 61.9                    | 15                       | 3                                 | 1687              | 1290              | 1545              |                                |
| 12             | 42017                    | 89.5                    | 15                       | 3                                 | 1704              | 1251              | 1643              |                                |
| 13             | 194520                   | 65.8                    | 15                       | 2                                 | 1318              | 1857              | -                 |                                |
| 14             | 345762                   | 87.1                    | 15                       | 3                                 | 1626              | 1873              | 1788              |                                |
| 15             | 501063                   | 90.5                    | 15                       | 1                                 | 1001              | -                 | -                 |                                |
| 16             | 23338                    | 50.2                    | 15                       | 2                                 | 1707              | 1501              | -                 |                                |
| 17             | 175621                   | 63.3                    | 15                       | 2                                 | 1712              | 1914              | -                 |                                |
| 18             | 327321                   | 96.9                    | 15                       | 3                                 | 1109              | 1840              | 1823              |                                |



**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                       | 5560             | 5294 | 5632 | 5482 | 5488 |
|                       |          |              |                  |          |                         | 5479             | 5581 | 5250 | 5438 | 5514 |
|                       |          |              |                  |          |                         | 5517             | 5343 | 5276 | 5662 | 5287 |
|                       |          |              |                  |          |                         | 5689             | 5700 | 5345 | 5686 | 5535 |
|                       |          |              |                  |          |                         | 5426             | 5459 | 5441 | 5446 | 5387 |
|                       |          |              |                  |          |                         | 5474             | 5299 | 5713 | 5594 | 5500 |
|                       |          |              |                  |          |                         | 5353             | 5675 | 5553 | 5272 | 5373 |
|                       |          |              |                  |          |                         | 5401             | 5328 | 5636 | 5629 | 5676 |
|                       |          |              |                  |          |                         | 5293             | 5382 | 5552 | 5525 | 5318 |
|                       |          |              |                  |          |                         | 5701             | 5304 | 5647 | 5519 | 5545 |
|                       |          |              |                  |          |                         | 5498             | 5385 | 5709 | 5351 | 5436 |
|                       |          |              |                  |          |                         | 5442             | 5361 | 5430 | 5690 | 5381 |
|                       |          |              |                  |          |                         | 5285             | 5411 | 5664 | 5515 | 5539 |
|                       |          |              |                  |          |                         | 5611             | 5357 | 5492 | 5391 | 5461 |
|                       |          |              |                  |          |                         | 5614             | 5268 | 5319 | 5595 | 5561 |
|                       |          |              |                  |          |                         | 5659             | 5706 | 5630 | 5427 | 5548 |
|                       |          |              |                  |          |                         | 5714             | 5444 | 5615 | 5496 | 5425 |
|                       |          |              |                  |          |                         | 5348             | 5407 | 5586 | 5625 | 5600 |
|                       |          |              |                  |          |                         | 5271             | 5286 | 5455 | 5354 | 5715 |
|                       |          |              |                  |          |                         | 5568             | 5712 | 5311 | 5418 | 5491 |
| (number of hits: 16 ) |          |              |                  |          |                         |                  |      |      |      |      |
| 2                     | 5530.0   | 9            | 1.0              | 333      | 1                       | 5357             | 5450 | 5723 | 5664 | 5278 |
|                       |          |              |                  |          |                         | 5597             | 5449 | 5373 | 5684 | 5274 |
|                       |          |              |                  |          |                         | 5515             | 5634 | 5594 | 5543 | 5341 |
|                       |          |              |                  |          |                         | 5614             | 5451 | 5367 | 5577 | 5492 |
|                       |          |              |                  |          |                         | 5353             | 5259 | 5696 | 5356 | 5620 |
|                       |          |              |                  |          |                         | 5656             | 5345 | 5429 | 5615 | 5471 |
|                       |          |              |                  |          |                         | 5539             | 5435 | 5609 | 5689 | 5528 |
|                       |          |              |                  |          |                         | 5595             | 5419 | 5319 | 5394 | 5488 |
|                       |          |              |                  |          |                         | 5271             | 5628 | 5629 | 5486 | 5439 |
|                       |          |              |                  |          |                         | 5598             | 5267 | 5447 | 5638 | 5704 |
|                       |          |              |                  |          |                         | 5650             | 5677 | 5591 | 5602 | 5514 |
|                       |          |              |                  |          |                         | 5348             | 5576 | 5714 | 5391 | 5444 |
|                       |          |              |                  |          |                         | 5599             | 5270 | 5483 | 5560 | 5460 |
|                       |          |              |                  |          |                         | 5330             | 5372 | 5630 | 5362 | 5445 |
|                       |          |              |                  |          |                         | 5382             | 5320 | 5339 | 5547 | 5452 |
|                       |          |              |                  |          |                         | 5264             | 5369 | 5261 | 5623 | 5516 |
| 5258                  | 5643     | 5569         | 5257             | 5522     |                         |                  |      |      |      |      |
| 5430                  | 5366     | 5527         | 5275             | 5297     |                         |                  |      |      |      |      |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5711                  | 5416 | 5276 | 5359 | 5476 |
|   |        |   |     |     |   | 5459                  | 5335 | 5509 | 5518 | 5607 |
|   |        |   |     |     |   | (number of hits: 12 ) |      |      |      |      |
| 3 | 5530.0 | 9 | 1.0 | 333 | 1 | 5612                  | 5689 | 5659 | 5350 | 5595 |
|   |        |   |     |     |   | 5639                  | 5374 | 5448 | 5372 | 5481 |
|   |        |   |     |     |   | 5349                  | 5423 | 5635 | 5263 | 5362 |
|   |        |   |     |     |   | 5702                  | 5578 | 5470 | 5525 | 5684 |
|   |        |   |     |     |   | 5361                  | 5425 | 5637 | 5445 | 5593 |
|   |        |   |     |     |   | 5544                  | 5672 | 5632 | 5341 | 5505 |
|   |        |   |     |     |   | 5581                  | 5324 | 5566 | 5429 | 5680 |
|   |        |   |     |     |   | 5415                  | 5558 | 5410 | 5665 | 5660 |
|   |        |   |     |     |   | 5564                  | 5334 | 5424 | 5679 | 5671 |
|   |        |   |     |     |   | 5427                  | 5721 | 5287 | 5703 | 5467 |
|   |        |   |     |     |   | 5303                  | 5565 | 5437 | 5302 | 5561 |
|   |        |   |     |     |   | 5482                  | 5301 | 5314 | 5357 | 5625 |
|   |        |   |     |     |   | 5456                  | 5308 | 5294 | 5394 | 5418 |
|   |        |   |     |     |   | 5530                  | 5609 | 5274 | 5619 | 5438 |
|   |        |   |     |     |   | 5560                  | 5588 | 5723 | 5695 | 5592 |
|   |        |   |     |     |   | 5636                  | 5304 | 5624 | 5461 | 5582 |
|   |        |   |     |     |   | 5513                  | 5686 | 5493 | 5363 | 5722 |
|   |        |   |     |     |   | 5653                  | 5614 | 5296 | 5443 | 5457 |
|   |        |   |     |     |   | 5370                  | 5524 | 5557 | 5641 | 5465 |
|   |        |   |     |     |   | 5369                  | 5299 | 5618 | 5535 | 5662 |
|   |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 4 | 5530.0 | 9 | 1.0 | 333 | 1 | 5392                  | 5453 | 5595 | 5511 | 5340 |
|   |        |   |     |     |   | 5303                  | 5396 | 5523 | 5535 | 5310 |
|   |        |   |     |     |   | 5280                  | 5687 | 5676 | 5458 | 5383 |
|   |        |   |     |     |   | 5693                  | 5608 | 5573 | 5570 | 5401 |
|   |        |   |     |     |   | 5369                  | 5591 | 5675 | 5437 | 5566 |
|   |        |   |     |     |   | 5335                  | 5621 | 5360 | 5445 | 5539 |
|   |        |   |     |     |   | 5720                  | 5688 | 5644 | 5454 | 5613 |
|   |        |   |     |     |   | 5600                  | 5501 | 5461 | 5416 | 5671 |
|   |        |   |     |     |   | 5403                  | 5417 | 5362 | 5347 | 5592 |
|   |        |   |     |     |   | 5503                  | 5407 | 5426 | 5723 | 5281 |
|   |        |   |     |     |   | 5354                  | 5343 | 5479 | 5519 | 5623 |
|   |        |   |     |     |   | 5505                  | 5670 | 5255 | 5286 | 5328 |
|   |        |   |     |     |   | 5721                  | 5315 | 5317 | 5379 | 5351 |
|   |        |   |     |     |   | 5495                  | 5404 | 5552 | 5313 | 5424 |
|   |        |   |     |     |   | 5563                  | 5699 | 5654 | 5561 | 5447 |
|   |        |   |     |     |   | 5605                  | 5616 | 5692 | 5294 | 5375 |
|   |        |   |     |     |   | 5653                  | 5442 | 5456 | 5259 | 5635 |
|   |        |   |     |     |   | 5325                  | 5421 | 5297 | 5377 | 5331 |
|   |        |   |     |     |   | 5471                  | 5306 | 5656 | 5252 | 5649 |

|   |        |   |     |     |   | 5717                  | 5664 | 5274 | 5553 | 5449 |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | (number of hits: 14 ) |      |      |      |      |
| 5 | 5530.0 | 9 | 1.0 | 333 | 1 | 5550                  | 5692 | 5531 | 5672 | 5657 |
|   |        |   |     |     |   | 5345                  | 5321 | 5501 | 5698 | 5517 |
|   |        |   |     |     |   | 5589                  | 5573 | 5717 | 5653 | 5404 |
|   |        |   |     |     |   | 5306                  | 5260 | 5579 | 5615 | 5593 |
|   |        |   |     |     |   | 5377                  | 5660 | 5616 | 5526 | 5539 |
|   |        |   |     |     |   | 5473                  | 5563 | 5549 | 5287 | 5674 |
|   |        |   |     |     |   | 5480                  | 5384 | 5606 | 5433 | 5264 |
|   |        |   |     |     |   | 5689                  | 5257 | 5569 | 5585 | 5500 |
|   |        |   |     |     |   | 5300                  | 5587 | 5432 | 5290 | 5509 |
|   |        |   |     |     |   | 5334                  | 5619 | 5694 | 5655 | 5570 |
|   |        |   |     |     |   | 5712                  | 5423 | 5352 | 5383 | 5684 |
|   |        |   |     |     |   | 5597                  | 5580 | 5299 | 5375 | 5262 |
|   |        |   |     |     |   | 5440                  | 5680 | 5297 | 5318 | 5292 |
|   |        |   |     |     |   | 5393                  | 5572 | 5296 | 5355 | 5385 |
|   |        |   |     |     |   | 5507                  | 5663 | 5664 | 5675 | 5516 |
|   |        |   |     |     |   | 5401                  | 5590 | 5586 | 5327 | 5716 |
|   |        |   |     |     |   | 5357                  | 5259 | 5556 | 5395 | 5319 |
|   |        |   |     |     |   | 5545                  | 5575 | 5496 | 5477 | 5340 |
|   |        |   |     |     |   | 5441                  | 5666 | 5648 | 5647 | 5532 |
|   |        |   |     |     |   | 5552                  | 5582 | 5413 | 5530 | 5418 |
|   |        |   |     |     |   | (number of hits: 18 ) |      |      |      |      |
| 6 | 5530.0 | 9 | 1.0 | 333 | 1 | 5330                  | 5456 | 5467 | 5261 | 5402 |
|   |        |   |     |     |   | 5387                  | 5343 | 5576 | 5289 | 5724 |
|   |        |   |     |     |   | 5520                  | 5362 | 5283 | 5373 | 5425 |
|   |        |   |     |     |   | 5394                  | 5682 | 5563 | 5310 | 5288 |
|   |        |   |     |     |   | 5351                  | 5557 | 5518 | 5512 | 5489 |
|   |        |   |     |     |   | 5325                  | 5669 | 5653 | 5607 | 5329 |
|   |        |   |     |     |   | 5340                  | 5502 | 5380 | 5253 | 5403 |
|   |        |   |     |     |   | 5305                  | 5625 | 5344 | 5499 | 5556 |
|   |        |   |     |     |   | 5583                  | 5713 | 5352 | 5683 | 5264 |
|   |        |   |     |     |   | 5270                  | 5592 | 5364 | 5290 | 5506 |
|   |        |   |     |     |   | 5473                  | 5356 | 5621 | 5326 | 5721 |
|   |        |   |     |     |   | 5296                  | 5571 | 5638 | 5312 | 5399 |
|   |        |   |     |     |   | 5504                  | 5645 | 5272 | 5718 | 5519 |
|   |        |   |     |     |   | 5716                  | 5429 | 5404 | 5566 | 5536 |
|   |        |   |     |     |   | 5554                  | 5493 | 5666 | 5513 | 5651 |
|   |        |   |     |     |   | 5475                  | 5424 | 5636 | 5567 | 5331 |
|   |        |   |     |     |   | 5606                  | 5304 | 5354 | 5454 | 5459 |
|   |        |   |     |     |   | 5712                  | 5282 | 5447 | 5633 | 5426 |
|   |        |   |     |     |   | 5318                  | 5395 | 5661 | 5580 | 5277 |
|   |        |   |     |     |   | 5323                  | 5632 | 5545 | 5414 | 5655 |
|   |        |   |     |     |   | (number of hits: 18 ) |      |      |      |      |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
| 7 | 5530.0 | 9 | 1.0 | 333 | 1 | 5585                  | 5695 | 5403 | 5422 | 5719 |
|   |        |   |     |     |   | 5429                  | 5268 | 5651 | 5452 | 5456 |
|   |        |   |     |     |   | 5451                  | 5626 | 5324 | 5471 | 5446 |
|   |        |   |     |     |   | 5482                  | 5514 | 5310 | 5608 | 5502 |
|   |        |   |     |     |   | 5296                  | 5420 | 5595 | 5607 | 5485 |
|   |        |   |     |     |   | 5377                  | 5274 | 5397 | 5379 | 5641 |
|   |        |   |     |     |   | 5468                  | 5549 | 5297 | 5717 | 5532 |
|   |        |   |     |     |   | 5542                  | 5396 | 5421 | 5497 | 5510 |
|   |        |   |     |     |   | 5395                  | 5288 | 5495 | 5680 | 5668 |
|   |        |   |     |     |   | 5250                  | 5675 | 5325 | 5343 | 5349 |
|   |        |   |     |     |   | 5672                  | 5415 | 5447 | 5618 | 5284 |
|   |        |   |     |     |   | 5592                  | 5596 | 5619 | 5633 | 5335 |
|   |        |   |     |     |   | 5724                  | 5579 | 5286 | 5342 | 5287 |
|   |        |   |     |     |   | 5368                  | 5614 | 5458 | 5339 | 5479 |
|   |        |   |     |     |   | 5669                  | 5362 | 5627 | 5434 | 5544 |
|   |        |   |     |     |   | 5304                  | 5548 | 5450 | 5587 | 5295 |
|   |        |   |     |     |   | 5367                  | 5254 | 5649 | 5459 | 5554 |
|   |        |   |     |     |   | 5639                  | 5598 | 5380 | 5566 | 5593 |
|   |        |   |     |     |   | 5351                  | 5586 | 5311 | 5385 | 5700 |
|   |        |   |     |     |   | 5407                  | 5713 | 5443 | 5393 | 5283 |
|   |        |   |     |     |   | (number of hits: 12 ) |      |      |      |      |
| 8 | 5530.0 | 9 | 1.0 | 333 | 1 | 5365                  | 5459 | 5436 | 5583 | 5464 |
|   |        |   |     |     |   | 5568                  | 5290 | 5251 | 5615 | 5285 |
|   |        |   |     |     |   | 5415                  | 5666 | 5467 | 5473 | 5641 |
|   |        |   |     |     |   | 5413                  | 5653 | 5694 | 5304 | 5586 |
|   |        |   |     |     |   | 5536                  | 5599 | 5458 | 5265 | 5601 |
|   |        |   |     |     |   | 5600                  | 5483 | 5675 | 5510 | 5438 |
|   |        |   |     |     |   | 5254                  | 5457 | 5306 | 5271 | 5584 |
|   |        |   |     |     |   | 5487                  | 5692 | 5650 | 5424 | 5331 |
|   |        |   |     |     |   | 5371                  | 5492 | 5260 | 5677 | 5597 |
|   |        |   |     |     |   | 5705                  | 5283 | 5383 | 5396 | 5658 |
|   |        |   |     |     |   | 5700                  | 5708 | 5723 | 5270 | 5562 |
|   |        |   |     |     |   | 5472                  | 5546 | 5590 | 5287 | 5500 |
|   |        |   |     |     |   | 5669                  | 5411 | 5255 | 5707 | 5543 |
|   |        |   |     |     |   | 5711                  | 5404 | 5446 | 5253 | 5617 |
|   |        |   |     |     |   | 5698                  | 5465 | 5294 | 5686 | 5603 |
|   |        |   |     |     |   | 5393                  | 5718 | 5664 | 5350 | 5529 |
|   |        |   |     |     |   | 5674                  | 5560 | 5368 | 5527 | 5369 |
|   |        |   |     |     |   | 5362                  | 5493 | 5305 | 5259 | 5466 |
|   |        |   |     |     |   | 5431                  | 5717 | 5516 | 5592 | 5345 |
|   |        |   |     |     |   | 5494                  | 5339 | 5462 | 5697 | 5372 |
|   |        |   |     |     |   | (number of hits: 12 ) |      |      |      |      |
| 9 | 5530.0 | 9 | 1.0 | 333 | 1 | 5620                  | 5320 | 5372 | 5269 | 5306 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5610                  | 5690 | 5326 | 5303 | 5492 |
|    |        |   |     |     |   | 5691                  | 5679 | 5503 | 5386 | 5488 |
|    |        |   |     |     |   | 5561                  | 5671 | 5516 | 5698 | 5508 |
|    |        |   |     |     |   | 5655                  | 5477 | 5688 | 5431 | 5531 |
|    |        |   |     |     |   | 5550                  | 5328 | 5587 | 5709 | 5552 |
|    |        |   |     |     |   | 5327                  | 5686 | 5672 | 5458 | 5469 |
|    |        |   |     |     |   | 5723                  | 5578 | 5585 | 5425 | 5338 |
|    |        |   |     |     |   | 5645                  | 5454 | 5430 | 5500 | 5674 |
|    |        |   |     |     |   | 5429                  | 5685 | 5366 | 5441 | 5449 |
|    |        |   |     |     |   | 5448                  | 5479 | 5409 | 5299 | 5568 |
|    |        |   |     |     |   | 5660                  | 5407 | 5319 | 5665 | 5614 |
|    |        |   |     |     |   | 5718                  | 5653 | 5440 | 5656 | 5523 |
|    |        |   |     |     |   | 5420                  | 5392 | 5548 | 5297 | 5438 |
|    |        |   |     |     |   | 5482                  | 5352 | 5590 | 5309 | 5493 |
|    |        |   |     |     |   | 5510                  | 5354 | 5573 | 5624 | 5623 |
|    |        |   |     |     |   | 5564                  | 5265 | 5335 | 5268 | 5451 |
|    |        |   |     |     |   | 5385                  | 5490 | 5611 | 5681 | 5598 |
|    |        |   |     |     |   | 5282                  | 5347 | 5603 | 5356 | 5517 |
|    |        |   |     |     |   | 5336                  | 5254 | 5489 | 5521 | 5696 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 10 | 5530.0 | 9 | 1.0 | 333 | 1 | 5303                  | 5559 | 5308 | 5430 | 5526 |
|    |        |   |     |     |   | 5652                  | 5712 | 5401 | 5466 | 5699 |
|    |        |   |     |     |   | 5622                  | 5565 | 5544 | 5581 | 5509 |
|    |        |   |     |     |   | 5649                  | 5323 | 5522 | 5646 | 5700 |
|    |        |   |     |     |   | 5698                  | 5346 | 5418 | 5680 | 5404 |
|    |        |   |     |     |   | 5419                  | 5402 | 5531 | 5691 | 5268 |
|    |        |   |     |     |   | 5594                  | 5313 | 5643 | 5315 | 5707 |
|    |        |   |     |     |   | 5289                  | 5387 | 5669 | 5381 | 5578 |
|    |        |   |     |     |   | 5349                  | 5484 | 5537 | 5368 | 5265 |
|    |        |   |     |     |   | 5671                  | 5358 | 5665 | 5449 | 5499 |
|    |        |   |     |     |   | 5502                  | 5335 | 5355 | 5585 | 5350 |
|    |        |   |     |     |   | 5304                  | 5391 | 5353 | 5276 | 5454 |
|    |        |   |     |     |   | 5597                  | 5528 | 5532 | 5448 | 5656 |
|    |        |   |     |     |   | 5647                  | 5479 | 5599 | 5567 | 5609 |
|    |        |   |     |     |   | 5379                  | 5488 | 5415 | 5464 | 5534 |
|    |        |   |     |     |   | 5397                  | 5287 | 5458 | 5311 | 5429 |
|    |        |   |     |     |   | 5539                  | 5491 | 5606 | 5683 | 5405 |
|    |        |   |     |     |   | 5690                  | 5653 | 5720 | 5274 | 5328 |
|    |        |   |     |     |   | 5299                  | 5436 | 5263 | 5431 | 5371 |
|    |        |   |     |     |   | 5604                  | 5316 | 5607 | 5615 | 5373 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 11 | 5530.0 | 9 | 1.0 | 333 | 1 | 5558                  | 5323 | 5719 | 5591 | 5368 |
|    |        |   |     |     |   | 5694                  | 5637 | 5476 | 5532 | 5528 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5456                  | 5354 | 5585 | 5301 | 5530 |
|    |        |   |     |     |   | 5262                  | 5450 | 5625 | 5691 | 5417 |
|    |        |   |     |     |   | 5706                  | 5415 | 5294 | 5377 | 5685 |
|    |        |   |     |     |   | 5254                  | 5302 | 5258 | 5677 | 5600 |
|    |        |   |     |     |   | 5384                  | 5487 | 5429 | 5382 | 5652 |
|    |        |   |     |     |   | 5256                  | 5263 | 5717 | 5306 | 5408 |
|    |        |   |     |     |   | 5290                  | 5665 | 5548 | 5460 | 5555 |
|    |        |   |     |     |   | 5286                  | 5401 | 5393 | 5592 | 5675 |
|    |        |   |     |     |   | 5464                  | 5690 | 5250 | 5406 | 5577 |
|    |        |   |     |     |   | 5520                  | 5601 | 5479 | 5305 | 5642 |
|    |        |   |     |     |   | 5293                  | 5698 | 5404 | 5633 | 5400 |
|    |        |   |     |     |   | 5611                  | 5434 | 5270 | 5431 | 5452 |
|    |        |   |     |     |   | 5682                  | 5569 | 5383 | 5318 | 5661 |
|    |        |   |     |     |   | 5379                  | 5338 | 5576 | 5643 | 5291 |
|    |        |   |     |     |   | 5390                  | 5511 | 5629 | 5536 | 5707 |
|    |        |   |     |     |   | 5253                  | 5489 | 5724 | 5627 | 5271 |
|    |        |   |     |     |   | 5607                  | 5590 | 5695 | 5539 | 5411 |
|    |        |   |     |     |   | 5388                  | 5606 | 5523 | 5546 | 5355 |
|    |        |   |     |     |   | (number of hits: 12 ) |      |      |      |      |
| 12 | 5530.0 | 9 | 1.0 | 333 | 1 | 5338                  | 5562 | 5655 | 5277 | 5588 |
|    |        |   |     |     |   | 5358                  | 5659 | 5551 | 5695 | 5260 |
|    |        |   |     |     |   | 5387                  | 5618 | 5626 | 5399 | 5253 |
|    |        |   |     |     |   | 5577                  | 5261 | 5609 | 5617 | 5581 |
|    |        |   |     |     |   | 5397                  | 5286 | 5350 | 5573 | 5678 |
|    |        |   |     |     |   | 5365                  | 5521 | 5336 | 5300 | 5566 |
|    |        |   |     |     |   | 5557                  | 5270 | 5633 | 5307 | 5568 |
|    |        |   |     |     |   | 5473                  | 5448 | 5506 | 5652 | 5259 |
|    |        |   |     |     |   | 5325                  | 5719 | 5648 | 5287 | 5594 |
|    |        |   |     |     |   | 5528                  | 5615 | 5518 | 5511 | 5487 |
|    |        |   |     |     |   | 5582                  | 5462 | 5452 | 5482 | 5415 |
|    |        |   |     |     |   | 5619                  | 5362 | 5405 | 5544 | 5377 |
|    |        |   |     |     |   | 5706                  | 5685 | 5546 | 5311 | 5703 |
|    |        |   |     |     |   | 5591                  | 5507 | 5354 | 5530 | 5682 |
|    |        |   |     |     |   | 5705                  | 5500 | 5460 | 5410 | 5704 |
|    |        |   |     |     |   | 5400                  | 5572 | 5550 | 5635 | 5331 |
|    |        |   |     |     |   | 5442                  | 5543 | 5401 | 5296 | 5433 |
|    |        |   |     |     |   | 5351                  | 5455 | 5607 | 5441 | 5284 |
|    |        |   |     |     |   | 5449                  | 5701 | 5713 | 5274 | 5407 |
|    |        |   |     |     |   | 5255                  | 5505 | 5569 | 5323 | 5262 |
|    |        |   |     |     |   | (number of hits: 17 ) |      |      |      |      |
| 13 | 5530.0 | 9 | 1.0 | 333 | 1 | 5593                  | 5326 | 5591 | 5438 | 5430 |
|    |        |   |     |     |   | 5400                  | 5584 | 5626 | 5383 | 5467 |
|    |        |   |     |     |   | 5318                  | 5407 | 5667 | 5594 | 5572 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5341                  | 5704 | 5356 | 5306 | 5625 |
|    |        |   |     |     |   | 5650                  | 5338 | 5375 | 5323 | 5364 |
|    |        |   |     |     |   | 5530                  | 5568 | 5370 | 5342 | 5552 |
|    |        |   |     |     |   | 5514                  | 5485 | 5310 | 5602 | 5707 |
|    |        |   |     |     |   | 5564                  | 5659 | 5663 | 5573 | 5408 |
|    |        |   |     |     |   | 5657                  | 5413 | 5284 | 5523 | 5508 |
|    |        |   |     |     |   | 5698                  | 5576 | 5277 | 5361 | 5638 |
|    |        |   |     |     |   | 5503                  | 5668 | 5713 | 5466 | 5365 |
|    |        |   |     |     |   | 5316                  | 5595 | 5363 | 5348 | 5360 |
|    |        |   |     |     |   | 5491                  | 5618 | 5529 | 5534 | 5317 |
|    |        |   |     |     |   | 5456                  | 5390 | 5265 | 5372 | 5399 |
|    |        |   |     |     |   | 5589                  | 5309 | 5386 | 5369 | 5692 |
|    |        |   |     |     |   | 5396                  | 5531 | 5412 | 5441 | 5464 |
|    |        |   |     |     |   | 5614                  | 5546 | 5314 | 5550 | 5475 |
|    |        |   |     |     |   | 5395                  | 5532 | 5647 | 5391 | 5719 |
|    |        |   |     |     |   | 5699                  | 5631 | 5521 | 5262 | 5336 |
|    |        |   |     |     |   | 5403                  | 5451 | 5329 | 5460 | 5504 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 14 | 5530.0 | 9 | 1.0 | 333 | 1 | 5276                  | 5565 | 5527 | 5502 | 5650 |
|    |        |   |     |     |   | 5442                  | 5606 | 5701 | 5546 | 5296 |
|    |        |   |     |     |   | 5627                  | 5671 | 5708 | 5314 | 5593 |
|    |        |   |     |     |   | 5429                  | 5259 | 5459 | 5254 | 5518 |
|    |        |   |     |     |   | 5633                  | 5341 | 5376 | 5367 | 5252 |
|    |        |   |     |     |   | 5479                  | 5404 | 5481 | 5441 | 5471 |
|    |        |   |     |     |   | 5603                  | 5559 | 5325 | 5371 | 5655 |
|    |        |   |     |     |   | 5612                  | 5337 | 5577 | 5412 | 5588 |
|    |        |   |     |     |   | 5595                  | 5653 | 5281 | 5355 | 5488 |
|    |        |   |     |     |   | 5306                  | 5537 | 5617 | 5639 | 5712 |
|    |        |   |     |     |   | 5339                  | 5554 | 5282 | 5536 | 5410 |
|    |        |   |     |     |   | 5553                  | 5270 | 5310 | 5560 | 5319 |
|    |        |   |     |     |   | 5489                  | 5540 | 5533 | 5450 | 5615 |
|    |        |   |     |     |   | 5405                  | 5426 | 5572 | 5264 | 5288 |
|    |        |   |     |     |   | 5575                  | 5362 | 5622 | 5716 | 5539 |
|    |        |   |     |     |   | 5512                  | 5664 | 5454 | 5299 | 5611 |
|    |        |   |     |     |   | 5686                  | 5449 | 5689 | 5374 | 5267 |
|    |        |   |     |     |   | 5440                  | 5446 | 5305 | 5370 | 5556 |
|    |        |   |     |     |   | 5250                  | 5258 | 5513 | 5538 | 5317 |
|    |        |   |     |     |   | 5320                  | 5301 | 5430 | 5432 | 5280 |
|    |        |   |     |     |   | (number of hits: 18 ) |      |      |      |      |
| 15 | 5530.0 | 9 | 1.0 | 333 | 1 | 5531                  | 5329 | 5463 | 5663 | 5492 |
|    |        |   |     |     |   | 5484                  | 5301 | 5612 | 5503 | 5558 |
|    |        |   |     |     |   | 5557                  | 5274 | 5509 | 5614 | 5517 |
|    |        |   |     |     |   | 5386                  | 5465 | 5299 | 5710 | 5544 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5507                  | 5317 | 5456 | 5269 | 5615 |
|    |        |   |     |     |   | 5331                  | 5499 | 5455 | 5341 | 5523 |
|    |        |   |     |     |   | 5330                  | 5428 | 5343 | 5711 | 5620 |
|    |        |   |     |     |   | 5413                  | 5271 | 5408 | 5587 | 5491 |
|    |        |   |     |     |   | 5251                  | 5671 | 5436 | 5321 | 5278 |
|    |        |   |     |     |   | 5284                  | 5468 | 5389 | 5595 | 5670 |
|    |        |   |     |     |   | 5429                  | 5588 | 5515 | 5605 | 5371 |
|    |        |   |     |     |   | 5262                  | 5257 | 5266 | 5602 | 5500 |
|    |        |   |     |     |   | 5379                  | 5668 | 5521 | 5705 | 5478 |
|    |        |   |     |     |   | 5354                  | 5365 | 5307 | 5534 | 5566 |
|    |        |   |     |     |   | 5640                  | 5561 | 5606 | 5385 | 5716 |
|    |        |   |     |     |   | 5581                  | 5685 | 5360 | 5585 | 5493 |
|    |        |   |     |     |   | 5344                  | 5564 | 5260 | 5687 | 5608 |
|    |        |   |     |     |   | 5352                  | 5337 | 5459 | 5308 | 5400 |
|    |        |   |     |     |   | 5553                  | 5665 | 5721 | 5353 | 5298 |
|    |        |   |     |     |   | 5555                  | 5372 | 5304 | 5296 | 5312 |
|    |        |   |     |     |   | (number of hits: 20 ) |      |      |      |      |
| 16 | 5530.0 | 9 | 1.0 | 333 | 1 | 5311                  | 5568 | 5399 | 5349 | 5712 |
|    |        |   |     |     |   | 5623                  | 5553 | 5376 | 5300 | 5710 |
|    |        |   |     |     |   | 5392                  | 5346 | 5315 | 5704 | 5635 |
|    |        |   |     |     |   | 5508                  | 5513 | 5344 | 5427 | 5552 |
|    |        |   |     |     |   | 5576                  | 5258 | 5448 | 5717 | 5406 |
|    |        |   |     |     |   | 5658                  | 5605 | 5559 | 5375 | 5565 |
|    |        |   |     |     |   | 5316                  | 5385 | 5558 | 5485 | 5343 |
|    |        |   |     |     |   | 5459                  | 5301 | 5265 | 5502 | 5279 |
|    |        |   |     |     |   | 5374                  | 5561 | 5275 | 5591 | 5472 |
|    |        |   |     |     |   | 5653                  | 5723 | 5464 | 5691 | 5656 |
|    |        |   |     |     |   | 5460                  | 5560 | 5676 | 5357 | 5556 |
|    |        |   |     |     |   | 5690                  | 5673 | 5639 | 5650 | 5395 |
|    |        |   |     |     |   | 5423                  | 5686 | 5579 | 5469 | 5542 |
|    |        |   |     |     |   | 5303                  | 5401 | 5614 | 5329 | 5272 |
|    |        |   |     |     |   | 5547                  | 5609 | 5709 | 5692 | 5540 |
|    |        |   |     |     |   | 5557                  | 5480 | 5253 | 5474 | 5596 |
|    |        |   |     |     |   | 5674                  | 5516 | 5627 | 5698 | 5352 |
|    |        |   |     |     |   | 5470                  | 5397 | 5554 | 5273 | 5354 |
|    |        |   |     |     |   | 5388                  | 5411 | 5359 | 5655 | 5600 |
|    |        |   |     |     |   | 5572                  | 5669 | 5291 | 5638 | 5487 |
|    |        |   |     |     |   | (number of hits: 17 ) |      |      |      |      |
| 17 | 5530.0 | 9 | 1.0 | 333 | 1 | 5566                  | 5332 | 5335 | 5510 | 5554 |
|    |        |   |     |     |   | 5665                  | 5478 | 5451 | 5463 | 5539 |
|    |        |   |     |     |   | 5323                  | 5610 | 5453 | 5327 | 5656 |
|    |        |   |     |     |   | 5596                  | 5640 | 5671 | 5389 | 5716 |
|    |        |   |     |     |   | 5560                  | 5267 | 5296 | 5537 | 5690 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5294                  | 5607 | 5333 | 5663 | 5409 |
|    |        |   |     |     |   | 5704                  | 5680 | 5342 | 5298 | 5637 |
|    |        |   |     |     |   | 5638                  | 5691 | 5550 | 5572 | 5418 |
|    |        |   |     |     |   | 5416                  | 5501 | 5362 | 5312 | 5326 |
|    |        |   |     |     |   | 5369                  | 5520 | 5428 | 5555 | 5614 |
|    |        |   |     |     |   | 5301                  | 5581 | 5718 | 5392 | 5707 |
|    |        |   |     |     |   | 5646                  | 5383 | 5523 | 5545 | 5405 |
|    |        |   |     |     |   | 5492                  | 5304 | 5368 | 5518 | 5502 |
|    |        |   |     |     |   | 5415                  | 5365 | 5252 | 5437 | 5349 |
|    |        |   |     |     |   | 5696                  | 5309 | 5630 | 5709 | 5558 |
|    |        |   |     |     |   | 5668                  | 5499 | 5526 | 5600 | 5299 |
|    |        |   |     |     |   | 5455                  | 5373 | 5687 | 5297 | 5316 |
|    |        |   |     |     |   | 5338                  | 5505 | 5255 | 5360 | 5271 |
|    |        |   |     |     |   | 5616                  | 5477 | 5683 | 5576 | 5263 |
|    |        |   |     |     |   | 5440                  | 5686 | 5482 | 5567 | 5270 |
|    |        |   |     |     |   | (number of hits: 19 ) |      |      |      |      |
| 18 | 5530.0 | 9 | 1.0 | 333 | 1 | 5724                  | 5571 | 5271 | 5671 | 5299 |
|    |        |   |     |     |   | 5707                  | 5500 | 5526 | 5626 | 5254 |
|    |        |   |     |     |   | 5399                  | 5494 | 5522 | 5677 | 5684 |
|    |        |   |     |     |   | 5292                  | 5337 | 5433 | 5471 | 5336 |
|    |        |   |     |     |   | 5712                  | 5529 | 5663 | 5560 | 5459 |
|    |        |   |     |     |   | 5536                  | 5443 | 5666 | 5416 | 5411 |
|    |        |   |     |     |   | 5361                  | 5258 | 5641 | 5368 | 5668 |
|    |        |   |     |     |   | 5330                  | 5340 | 5542 | 5250 | 5469 |
|    |        |   |     |     |   | 5366                  | 5449 | 5311 | 5638 | 5672 |
|    |        |   |     |     |   | 5257                  | 5468 | 5594 | 5568 | 5283 |
|    |        |   |     |     |   | 5260                  | 5681 | 5467 | 5464 | 5498 |
|    |        |   |     |     |   | 5689                  | 5484 | 5410 | 5350 | 5328 |
|    |        |   |     |     |   | 5458                  | 5566 | 5676 | 5376 | 5656 |
|    |        |   |     |     |   | 5491                  | 5353 | 5478 | 5616 | 5310 |
|    |        |   |     |     |   | 5644                  | 5398 | 5720 | 5442 | 5436 |
|    |        |   |     |     |   | 5625                  | 5322 | 5553 | 5383 | 5502 |
|    |        |   |     |     |   | 5613                  | 5633 | 5629 | 5420 | 5581 |
|    |        |   |     |     |   | 5359                  | 5406 | 5266 | 5371 | 5675 |
|    |        |   |     |     |   | 5721                  | 5703 | 5537 | 5465 | 5627 |
|    |        |   |     |     |   | 5369                  | 5694 | 5407 | 5447 | 5316 |
|    |        |   |     |     |   | (number of hits: 13 ) |      |      |      |      |
| 19 | 5530.0 | 9 | 1.0 | 333 | 1 | 5504                  | 5335 | 5682 | 5357 | 5519 |
|    |        |   |     |     |   | 5371                  | 5425 | 5601 | 5692 | 5478 |
|    |        |   |     |     |   | 5563                  | 5663 | 5535 | 5717 | 5698 |
|    |        |   |     |     |   | 5297                  | 5322 | 5402 | 5382 | 5625 |
|    |        |   |     |     |   | 5479                  | 5502 | 5653 | 5618 | 5636 |
|    |        |   |     |     |   | 5448                  | 5408 | 5264 | 5493 | 5477 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5313                  | 5555 | 5256 | 5631 | 5656 |
|    |        |   |     |     |   | 5397                  | 5257 | 5261 | 5346 | 5341 |
|    |        |   |     |     |   | 5654                  | 5709 | 5363 | 5281 | 5291 |
|    |        |   |     |     |   | 5721                  | 5255 | 5310 | 5258 | 5470 |
|    |        |   |     |     |   | 5269                  | 5334 | 5349 | 5407 | 5314 |
|    |        |   |     |     |   | 5446                  | 5418 | 5688 | 5508 | 5455 |
|    |        |   |     |     |   | 5562                  | 5415 | 5355 | 5279 | 5629 |
|    |        |   |     |     |   | 5404                  | 5389 | 5412 | 5488 | 5383 |
|    |        |   |     |     |   | 5550                  | 5602 | 5337 | 5634 | 5620 |
|    |        |   |     |     |   | 5417                  | 5367 | 5365 | 5432 | 5547 |
|    |        |   |     |     |   | 5561                  | 5499 | 5430 | 5633 | 5568 |
|    |        |   |     |     |   | 5558                  | 5449 | 5410 | 5498 | 5701 |
|    |        |   |     |     |   | 5431                  | 5377 | 5679 | 5720 | 5592 |
|    |        |   |     |     |   | 5434                  | 5606 | 5472 | 5405 | 5648 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 20 | 5530.0 | 9 | 1.0 | 333 | 1 | 5284                  | 5574 | 5618 | 5518 | 5361 |
|    |        |   |     |     |   | 5413                  | 5447 | 5676 | 5380 | 5307 |
|    |        |   |     |     |   | 5494                  | 5452 | 5576 | 5437 | 5719 |
|    |        |   |     |     |   | 5288                  | 5449 | 5408 | 5427 | 5342 |
|    |        |   |     |     |   | 5487                  | 5571 | 5691 | 5610 | 5609 |
|    |        |   |     |     |   | 5714                  | 5260 | 5467 | 5597 | 5511 |
|    |        |   |     |     |   | 5444                  | 5688 | 5371 | 5337 | 5476 |
|    |        |   |     |     |   | 5536                  | 5348 | 5532 | 5499 | 5255 |
|    |        |   |     |     |   | 5493                  | 5708 | 5601 | 5474 | 5360 |
|    |        |   |     |     |   | 5685                  | 5271 | 5329 | 5363 | 5620 |
|    |        |   |     |     |   | 5346                  | 5445 | 5385 | 5438 | 5705 |
|    |        |   |     |     |   | 5258                  | 5634 | 5372 | 5403 | 5327 |
|    |        |   |     |     |   | 5426                  | 5594 | 5580 | 5300 | 5586 |
|    |        |   |     |     |   | 5552                  | 5350 | 5590 | 5351 | 5698 |
|    |        |   |     |     |   | 5653                  | 5434 | 5340 | 5483 | 5596 |
|    |        |   |     |     |   | 5376                  | 5388 | 5631 | 5495 | 5557 |
|    |        |   |     |     |   | 5711                  | 5624 | 5496 | 5625 | 5410 |
|    |        |   |     |     |   | 5443                  | 5275 | 5414 | 5364 | 5424 |
|    |        |   |     |     |   | 5480                  | 5646 | 5464 | 5262 | 5647 |
|    |        |   |     |     |   | 5418                  | 5261 | 5488 | 5575 | 5615 |
|    |        |   |     |     |   | (number of hits: 11 ) |      |      |      |      |
| 21 | 5530.0 | 9 | 1.0 | 333 | 1 | 5539                  | 5338 | 5554 | 5582 | 5581 |
|    |        |   |     |     |   | 5455                  | 5372 | 5276 | 5543 | 5514 |
|    |        |   |     |     |   | 5425                  | 5617 | 5535 | 5265 | 5376 |
|    |        |   |     |     |   | 5576                  | 5511 | 5375 | 5534 | 5398 |
|    |        |   |     |     |   | 5262                  | 5632 | 5699 | 5602 | 5587 |
|    |        |   |     |     |   | 5670                  | 5701 | 5545 | 5494 | 5430 |
|    |        |   |     |     |   | 5645                  | 5586 | 5489 | 5674 | 5675 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5536                  | 5328 | 5274 | 5644 | 5332 |
|    |        |   |     |     |   | 5413                  | 5714 | 5357 | 5517 | 5251 |
|    |        |   |     |     |   | 5412                  | 5416 | 5410 | 5600 | 5524 |
|    |        |   |     |     |   | 5436                  | 5527 | 5528 | 5580 | 5347 |
|    |        |   |     |     |   | 5326                  | 5593 | 5397 | 5723 | 5270 |
|    |        |   |     |     |   | 5720                  | 5418 | 5378 | 5393 | 5523 |
|    |        |   |     |     |   | 5387                  | 5530 | 5448 | 5615 | 5316 |
|    |        |   |     |     |   | 5671                  | 5440 | 5475 | 5335 | 5683 |
|    |        |   |     |     |   | 5508                  | 5299 | 5476 | 5334 | 5555 |
|    |        |   |     |     |   | 5371                  | 5400 | 5687 | 5493 | 5345 |
|    |        |   |     |     |   | 5439                  | 5349 | 5406 | 5370 | 5282 |
|    |        |   |     |     |   | 5415                  | 5519 | 5719 | 5286 | 5486 |
|    |        |   |     |     |   | 5680                  | 5346 | 5279 | 5702 | 5402 |
|    |        |   |     |     |   | (number of hits: 20 ) |      |      |      |      |
| 22 | 5530.0 | 9 | 1.0 | 333 | 1 | 5319                  | 5577 | 5490 | 5268 | 5423 |
|    |        |   |     |     |   | 5497                  | 5394 | 5351 | 5706 | 5721 |
|    |        |   |     |     |   | 5259                  | 5602 | 5658 | 5255 | 5286 |
|    |        |   |     |     |   | 5464                  | 5703 | 5614 | 5420 | 5251 |
|    |        |   |     |     |   | 5406                  | 5331 | 5573 | 5691 | 5555 |
|    |        |   |     |     |   | 5536                  | 5301 | 5330 | 5579 | 5704 |
|    |        |   |     |     |   | 5263                  | 5494 | 5717 | 5627 | 5599 |
|    |        |   |     |     |   | 5427                  | 5655 | 5496 | 5477 | 5382 |
|    |        |   |     |     |   | 5451                  | 5446 | 5495 | 5332 | 5469 |
|    |        |   |     |     |   | 5297                  | 5476 | 5700 | 5487 | 5713 |
|    |        |   |     |     |   | 5524                  | 5535 | 5280 | 5308 | 5343 |
|    |        |   |     |     |   | 5271                  | 5377 | 5532 | 5287 | 5250 |
|    |        |   |     |     |   | 5679                  | 5339 | 5472 | 5265 | 5340 |
|    |        |   |     |     |   | 5418                  | 5485 | 5657 | 5443 | 5656 |
|    |        |   |     |     |   | 5294                  | 5652 | 5628 | 5345 | 5457 |
|    |        |   |     |     |   | 5586                  | 5665 | 5467 | 5372 | 5540 |
|    |        |   |     |     |   | 5439                  | 5666 | 5369 | 5562 | 5722 |
|    |        |   |     |     |   | 5292                  | 5442 | 5492 | 5617 | 5606 |
|    |        |   |     |     |   | 5585                  | 5393 | 5282 | 5483 | 5629 |
|    |        |   |     |     |   | 5349                  | 5306 | 5633 | 5690 | 5334 |
|    |        |   |     |     |   | (number of hits: 11 ) |      |      |      |      |
| 23 | 5530.0 | 9 | 1.0 | 333 | 1 | 5477                  | 5341 | 5426 | 5429 | 5643 |
|    |        |   |     |     |   | 5636                  | 5319 | 5297 | 5453 | 5665 |
|    |        |   |     |     |   | 5391                  | 5699 | 5450 | 5307 | 5552 |
|    |        |   |     |     |   | 5355                  | 5717 | 5465 | 5443 | 5414 |
|    |        |   |     |     |   | 5497                  | 5514 | 5305 | 5528 | 5281 |
|    |        |   |     |     |   | 5388                  | 5504 | 5434 | 5613 | 5578 |
|    |        |   |     |     |   | 5683                  | 5559 | 5444 | 5415 | 5692 |
|    |        |   |     |     |   | 5381                  | 5718 | 5492 | 5580 | 5569 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5582                  | 5579 | 5318 | 5622 | 5448 |
|    |        |   |     |     |   | 5375                  | 5686 | 5293 | 5522 | 5562 |
|    |        |   |     |     |   | 5352                  | 5401 | 5538 | 5327 | 5371 |
|    |        |   |     |     |   | 5626                  | 5709 | 5498 | 5637 | 5506 |
|    |        |   |     |     |   | 5697                  | 5707 | 5557 | 5602 | 5285 |
|    |        |   |     |     |   | 5340                  | 5421 | 5362 | 5572 | 5610 |
|    |        |   |     |     |   | 5696                  | 5543 | 5408 | 5427 | 5253 |
|    |        |   |     |     |   | 5524                  | 5273 | 5488 | 5438 | 5363 |
|    |        |   |     |     |   | 5678                  | 5631 | 5435 | 5390 | 5260 |
|    |        |   |     |     |   | 5342                  | 5508 | 5279 | 5590 | 5420 |
|    |        |   |     |     |   | 5262                  | 5616 | 5651 | 5694 | 5410 |
|    |        |   |     |     |   | 5337                  | 5467 | 5527 | 5328 | 5409 |
|    |        |   |     |     |   | (number of hits: 16 ) |      |      |      |      |
| 24 | 5530.0 | 9 | 1.0 | 333 | 1 | 5257                  | 5580 | 5362 | 5590 | 5485 |
|    |        |   |     |     |   | 5678                  | 5341 | 5501 | 5460 | 5282 |
|    |        |   |     |     |   | 5499                  | 5655 | 5265 | 5645 | 5328 |
|    |        |   |     |     |   | 5543                  | 5385 | 5345 | 5510 | 5325 |
|    |        |   |     |     |   | 5566                  | 5552 | 5297 | 5644 | 5337 |
|    |        |   |     |     |   | 5707                  | 5635 | 5647 | 5717 | 5669 |
|    |        |   |     |     |   | 5516                  | 5659 | 5664 | 5512 | 5520 |
|    |        |   |     |     |   | 5334                  | 5288 | 5355 | 5483 | 5421 |
|    |        |   |     |     |   | 5662                  | 5256 | 5387 | 5445 | 5682 |
|    |        |   |     |     |   | 5569                  | 5661 | 5351 | 5478 | 5449 |
|    |        |   |     |     |   | 5606                  | 5577 | 5589 | 5416 | 5375 |
|    |        |   |     |     |   | 5315                  | 5339 | 5663 | 5688 | 5456 |
|    |        |   |     |     |   | 5652                  | 5486 | 5428 | 5706 | 5638 |
|    |        |   |     |     |   | 5370                  | 5398 | 5307 | 5502 | 5251 |
|    |        |   |     |     |   | 5546                  | 5403 | 5687 | 5493 | 5296 |
|    |        |   |     |     |   | 5534                  | 5419 | 5615 | 5313 | 5320 |
|    |        |   |     |     |   | 5498                  | 5720 | 5447 | 5392 | 5374 |
|    |        |   |     |     |   | 5555                  | 5691 | 5306 | 5601 | 5588 |
|    |        |   |     |     |   | 5427                  | 5451 | 5425 | 5685 | 5651 |
|    |        |   |     |     |   | 5308                  | 5283 | 5701 | 5410 | 5404 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |
| 25 | 5530.0 | 9 | 1.0 | 333 | 1 | 5512                  | 5441 | 5298 | 5276 | 5705 |
|    |        |   |     |     |   | 5720                  | 5363 | 5576 | 5623 | 5489 |
|    |        |   |     |     |   | 5430                  | 5444 | 5403 | 5365 | 5349 |
|    |        |   |     |     |   | 5631                  | 5351 | 5458 | 5449 | 5333 |
|    |        |   |     |     |   | 5257                  | 5493 | 5386 | 5474 | 5435 |
|    |        |   |     |     |   | 5664                  | 5264 | 5681 | 5284 | 5558 |
|    |        |   |     |     |   | 5473                  | 5399 | 5341 | 5710 | 5562 |
|    |        |   |     |     |   | 5425                  | 5559 | 5508 | 5494 | 5260 |
|    |        |   |     |     |   | 5367                  | 5669 | 5627 | 5442 | 5611 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5549                  | 5269 | 5409 | 5531 | 5714 |
|    |        |   |     |     |   | 5482                  | 5278 | 5640 | 5505 | 5673 |
|    |        |   |     |     |   | 5637                  | 5527 | 5617 | 5306 | 5653 |
|    |        |   |     |     |   | 5659                  | 5289 | 5552 | 5694 | 5318 |
|    |        |   |     |     |   | 5274                  | 5364 | 5319 | 5337 | 5614 |
|    |        |   |     |     |   | 5297                  | 5302 | 5323 | 5712 | 5581 |
|    |        |   |     |     |   | 5379                  | 5646 | 5416 | 5677 | 5400 |
|    |        |   |     |     |   | 5392                  | 5326 | 5445 | 5484 | 5658 |
|    |        |   |     |     |   | 5384                  | 5272 | 5452 | 5566 | 5423 |
|    |        |   |     |     |   | 5464                  | 5280 | 5471 | 5607 | 5622 |
|    |        |   |     |     |   | 5630                  | 5340 | 5447 | 5532 | 5615 |
|    |        |   |     |     |   | (number of hits: 14 ) |      |      |      |      |
| 26 | 5530.0 | 9 | 1.0 | 333 | 1 | 5292                  | 5680 | 5709 | 5437 | 5547 |
|    |        |   |     |     |   | 5287                  | 5288 | 5651 | 5311 | 5696 |
|    |        |   |     |     |   | 5361                  | 5330 | 5444 | 5463 | 5370 |
|    |        |   |     |     |   | 5719                  | 5639 | 5454 | 5503 | 5641 |
|    |        |   |     |     |   | 5341                  | 5423 | 5434 | 5378 | 5447 |
|    |        |   |     |     |   | 5323                  | 5516 | 5638 | 5368 | 5715 |
|    |        |   |     |     |   | 5326                  | 5430 | 5517 | 5590 | 5530 |
|    |        |   |     |     |   | 5701                  | 5452 | 5661 | 5408 | 5671 |
|    |        |   |     |     |   | 5450                  | 5607 | 5295 | 5439 | 5443 |
|    |        |   |     |     |   | 5529                  | 5352 | 5584 | 5601 | 5358 |
|    |        |   |     |     |   | 5691                  | 5496 | 5581 | 5571 | 5472 |
|    |        |   |     |     |   | 5533                  | 5321 | 5717 | 5625 | 5652 |
|    |        |   |     |     |   | 5695                  | 5662 | 5268 | 5373 | 5349 |
|    |        |   |     |     |   | 5567                  | 5483 | 5395 | 5698 | 5649 |
|    |        |   |     |     |   | 5258                  | 5605 | 5334 | 5536 | 5723 |
|    |        |   |     |     |   | 5381                  | 5436 | 5551 | 5721 | 5467 |
|    |        |   |     |     |   | 5623                  | 5606 | 5415 | 5388 | 5379 |
|    |        |   |     |     |   | 5712                  | 5478 | 5636 | 5613 | 5656 |
|    |        |   |     |     |   | 5512                  | 5449 | 5558 | 5502 | 5546 |
|    |        |   |     |     |   | 5718                  | 5572 | 5498 | 5707 | 5509 |
|    |        |   |     |     |   | (number of hits: 17 ) |      |      |      |      |
| 27 | 5530.0 | 9 | 1.0 | 333 | 1 | 5450                  | 5444 | 5645 | 5598 | 5292 |
|    |        |   |     |     |   | 5426                  | 5310 | 5251 | 5377 | 5525 |
|    |        |   |     |     |   | 5670                  | 5594 | 5485 | 5658 | 5391 |
|    |        |   |     |     |   | 5332                  | 5291 | 5557 | 5548 | 5358 |
|    |        |   |     |     |   | 5252                  | 5492 | 5472 | 5467 | 5420 |
|    |        |   |     |     |   | 5589                  | 5465 | 5269 | 5274 | 5433 |
|    |        |   |     |     |   | 5387                  | 5257 | 5267 | 5350 | 5365 |
|    |        |   |     |     |   | 5704                  | 5723 | 5339 | 5322 | 5510 |
|    |        |   |     |     |   | 5533                  | 5545 | 5535 | 5372 | 5509 |
|    |        |   |     |     |   | 5435                  | 5428 | 5637 | 5709 | 5630 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5305                  | 5697 | 5686 | 5504 | 5407 |
|    |        |   |     |     |   | 5584                  | 5457 | 5478 | 5641 | 5388 |
|    |        |   |     |     |   | 5692                  | 5409 | 5656 | 5459 | 5286 |
|    |        |   |     |     |   | 5564                  | 5684 | 5652 | 5657 | 5681 |
|    |        |   |     |     |   | 5362                  | 5324 | 5546 | 5482 | 5715 |
|    |        |   |     |     |   | 5309                  | 5378 | 5662 | 5526 | 5475 |
|    |        |   |     |     |   | 5256                  | 5430 | 5676 | 5326 | 5619 |
|    |        |   |     |     |   | 5593                  | 5297 | 5461 | 5575 | 5500 |
|    |        |   |     |     |   | 5691                  | 5346 | 5392 | 5496 | 5255 |
|    |        |   |     |     |   | 5360                  | 5460 | 5338 | 5333 | 5385 |
|    |        |   |     |     |   | (number of hits: 14 ) |      |      |      |      |
| 28 | 5530.0 | 9 | 1.0 | 333 | 1 | 5705                  | 5683 | 5581 | 5284 | 5609 |
|    |        |   |     |     |   | 5468                  | 5710 | 5326 | 5540 | 5257 |
|    |        |   |     |     |   | 5601                  | 5383 | 5526 | 5378 | 5412 |
|    |        |   |     |     |   | 5323                  | 5418 | 5660 | 5593 | 5550 |
|    |        |   |     |     |   | 5260                  | 5658 | 5413 | 5459 | 5393 |
|    |        |   |     |     |   | 5477                  | 5317 | 5472 | 5673 | 5308 |
|    |        |   |     |     |   | 5507                  | 5322 | 5344 | 5516 | 5548 |
|    |        |   |     |     |   | 5504                  | 5320 | 5519 | 5589 | 5711 |
|    |        |   |     |     |   | 5349                  | 5616 | 5483 | 5300 | 5530 |
|    |        |   |     |     |   | 5301                  | 5489 | 5518 | 5486 | 5690 |
|    |        |   |     |     |   | 5278                  | 5488 | 5331 | 5318 | 5394 |
|    |        |   |     |     |   | 5520                  | 5372 | 5382 | 5401 | 5475 |
|    |        |   |     |     |   | 5579                  | 5572 | 5529 | 5289 | 5684 |
|    |        |   |     |     |   | 5686                  | 5641 | 5348 | 5391 | 5254 |
|    |        |   |     |     |   | 5564                  | 5636 | 5292 | 5277 | 5506 |
|    |        |   |     |     |   | 5685                  | 5523 | 5650 | 5437 | 5343 |
|    |        |   |     |     |   | 5576                  | 5559 | 5263 | 5404 | 5387 |
|    |        |   |     |     |   | 5438                  | 5570 | 5696 | 5384 | 5258 |
|    |        |   |     |     |   | 5496                  | 5491 | 5625 | 5627 | 5654 |
|    |        |   |     |     |   | 5592                  | 5612 | 5449 | 5590 | 5591 |
|    |        |   |     |     |   | (number of hits: 17 ) |      |      |      |      |
| 29 | 5530.0 | 9 | 1.0 | 333 | 1 | 5485                  | 5447 | 5517 | 5348 | 5354 |
|    |        |   |     |     |   | 5510                  | 5257 | 5401 | 5703 | 5464 |
|    |        |   |     |     |   | 5532                  | 5647 | 5567 | 5573 | 5433 |
|    |        |   |     |     |   | 5411                  | 5448 | 5288 | 5541 | 5267 |
|    |        |   |     |     |   | 5268                  | 5252 | 5548 | 5366 | 5365 |
|    |        |   |     |     |   | 5266                  | 5675 | 5302 | 5342 | 5549 |
|    |        |   |     |     |   | 5308                  | 5301 | 5687 | 5668 | 5368 |
|    |        |   |     |     |   | 5546                  | 5315 | 5722 | 5663 | 5321 |
|    |        |   |     |     |   | 5421                  | 5443 | 5527 | 5608 | 5469 |
|    |        |   |     |     |   | 5601                  | 5543 | 5364 | 5507 | 5369 |
|    |        |   |     |     |   | 5483                  | 5343 | 5694 | 5707 | 5336 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5591                  | 5307 | 5446 | 5708 | 5262 |
|    |        |   |     |     |   | 5571                  | 5693 | 5702 | 5630 | 5412 |
|    |        |   |     |     |   | 5590                  | 5384 | 5698 | 5621 | 5367 |
|    |        |   |     |     |   | 5330                  | 5278 | 5280 | 5355 | 5661 |
|    |        |   |     |     |   | 5482                  | 5619 | 5324 | 5580 | 5353 |
|    |        |   |     |     |   | 5669                  | 5519 | 5568 | 5275 | 5674 |
|    |        |   |     |     |   | 5429                  | 5326 | 5498 | 5665 | 5564 |
|    |        |   |     |     |   | 5338                  | 5506 | 5656 | 5253 | 5536 |
|    |        |   |     |     |   | 5679                  | 5609 | 5667 | 5565 | 5487 |
|    |        |   |     |     |   | (number of hits: 17 ) |      |      |      |      |
| 30 | 5530.0 | 9 | 1.0 | 333 | 1 | 5265                  | 5686 | 5453 | 5509 | 5671 |
|    |        |   |     |     |   | 5552                  | 5657 | 5476 | 5391 | 5293 |
|    |        |   |     |     |   | 5366                  | 5436 | 5608 | 5454 | 5499 |
|    |        |   |     |     |   | 5575                  | 5294 | 5586 | 5459 | 5654 |
|    |        |   |     |     |   | 5418                  | 5392 | 5637 | 5339 | 5631 |
|    |        |   |     |     |   | 5593                  | 5403 | 5406 | 5376 | 5688 |
|    |        |   |     |     |   | 5672                  | 5258 | 5330 | 5442 | 5566 |
|    |        |   |     |     |   | 5685                  | 5502 | 5683 | 5420 | 5636 |
|    |        |   |     |     |   | 5404                  | 5359 | 5524 | 5537 | 5449 |
|    |        |   |     |     |   | 5684                  | 5505 | 5321 | 5430 | 5715 |
|    |        |   |     |     |   | 5669                  | 5641 | 5638 | 5290 | 5306 |
|    |        |   |     |     |   | 5601                  | 5320 | 5362 | 5427 | 5516 |
|    |        |   |     |     |   | 5525                  | 5528 | 5576 | 5710 | 5539 |
|    |        |   |     |     |   | 5323                  | 5433 | 5416 | 5645 | 5402 |
|    |        |   |     |     |   | 5264                  | 5380 | 5679 | 5441 | 5491 |
|    |        |   |     |     |   | 5444                  | 5723 | 5605 | 5304 | 5300 |
|    |        |   |     |     |   | 5635                  | 5595 | 5272 | 5394 | 5332 |
|    |        |   |     |     |   | 5643                  | 5461 | 5382 | 5529 | 5389 |
|    |        |   |     |     |   | 5514                  | 5346 | 5259 | 5598 | 5691 |
|    |        |   |     |     |   | 5722                  | 5549 | 5385 | 5365 | 5655 |
|    |        |   |     |     |   | (number of hits: 15 ) |      |      |      |      |

**AP Mode****Pine Radio****5570 MHz, 160 MHz Bandwidth**

| <b>Radar Signal Type</b>      | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>             | 30                           | 96.7 %               | 60%              | Pass             |
| <b>Type 2</b>                 | 30                           | 90 %                 | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 93.3 %               | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 90 %                 | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 92.5 %               | 80%              | Pass             |
| <b>Type 5</b>                 | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                 | 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.*

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 62                 | 1.0  | 858                                | 1                                  |
| 2   | 61                 | 1.0  | 878                                | 1                                  |
| 3   | 57                 | 1.0  | 938                                | 1                                  |
| 4   | 72                 | 1.0  | 738                                | 1                                  |
| 5   | 86                 | 1.0  | 618                                | 1                                  |
| 6   | 67                 | 1.0  | 798                                | 1                                  |
| 7   | 81                 | 1.0  | 658                                | 1                                  |
| 8   | 83                 | 1.0  | 638                                | 1                                  |
| 9   | 70                 | 1.0  | 758                                | 1                                  |
| 10  | 102                | 1.0  | 518                                | 1                                  |
| 11  | 59                 | 1.0  | 898                                | 1                                  |
| 12  | 78                 | 1.0  | 678                                | 1                                  |
| 13  | 68                 | 1.0  | 778                                | 1                                  |
| 14  | 74                 | 1.0  | 718                                | 0                                  |
| 15  | 58                 | 1.0  | 918                                | 1                                  |
| 16  | 25                 | 1.0  | 2199                               | 1                                  |
| 17  | 33                 | 1.0  | 1617                               | 1                                  |
| 18  | 79                 | 1.0  | 676                                | 1                                  |
| 19  | 21                 | 1.0  | 2576                               | 1                                  |
| 20  | 46                 | 1.0  | 1153                               | 1                                  |
| 21  | 96                 | 1.0  | 552                                | 1                                  |
| 22  | 26                 | 1.0  | 2111                               | 1                                  |
| 23  | 31                 | 1.0  | 1725                               | 1                                  |
| 24  | 63                 | 1.0  | 850                                | 1                                  |
| 25  | 48                 | 1.0  | 1118                               | 1                                  |
| 26  | 20                 | 1.0  | 2766                               | 1                                  |
| 27  | 32                 | 1.0  | 1672                               | 1                                  |
| 28  | 30                 | 1.0  | 1818                               | 1                                  |
| 29  | 25                 | 1.0  | 2177                               | 1                                  |
| 30  | 28                 | 1.0  | 1941                               | 1                                  |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-2 Radar Type 2 Statistical Performance**

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

| <b>Trial #</b>                              | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 24                 | 4  | 190                                | 1                                  |
| 2   | 23                 | 2.2  | 150                                | 1                                  |
| 3   | 26                 | 1.1  | 180                                | 1                                  |
| 4   | 28                 | 3.1  | 193                                | 1                                  |
| 5   | 27                 | 2.3  | 168                                | 1                                  |
| 6   | 26                 | 4.9  | 171                                | 1                                  |
| 7   | 25                 | 2.3  | 196                                | 1                                  |
| 8   | 29                 | 4.1  | 161                                | 1                                  |
| 9   | 23                 | 2.3  | 200                                | 1                                  |
| 10  | 27                 | 2.5  | 194                                | 1                                  |
| 11  | 23                 | 4.2  | 159                                | 1                                  |
| 12  | 24                 | 4.5  | 221                                | 1                                  |
| 13  | 25                 | 4.7  | 225                                | 0                                  |
| 14  | 29                 | 1  | 222                                | 1                                  |
| 15  | 27                 | 1.5  | 198                                | 1                                  |
| 16  | 27                 | 1.2  | 227                                | 0                                  |
| 17  | 24                 | 2.8  | 176                                | 1                                  |
| 18  | 27                 | 4.6  | 164                                | 0                                  |
| 19  | 27                 | 3.3  | 213                                | 1                                  |
| 20  | 27                 | 4.3  | 208                                | 1                                  |
| 21  | 29                 | 3.3  | 158                                | 1                                  |
| 22  | 23                 | 1  | 210                                | 1                                  |
| 23  | 24                 | 1.1  | 212                                | 1                                  |
| 24  | 25                 | 5  | 199                                | 1                                  |
| 25  | 28                 | 1.1  | 192                                | 1                                  |
| 26  | 24                 | 1.4  | 205                                | 1                                  |
| 27  | 28                 | 2.2  | 209                                | 1                                  |
| 28  | 25                 | 1  | 211                                | 1                                  |
| 29  | 28                 | 2.6  | 187                                | 1                                  |
| 30  | 29                 | 2.4  | 155                                | 1                                  |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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          | 8.1              | 371      | 1                       |
| 2   | 16          | 9.2              | 455      | 0                       |
| 3   | 17          | 9.6              | 474      | 1                       |
| 4   | 18          | 8.3              | 388      | 1                       |
| 5   | 17          | 6.4              | 236      | 1                       |
| 6   | 17          | 6.7              | 357      | 1                       |
| 7   | 17          | 6.2              | 449      | 1                       |
| 8   | 18          | 8.8              | 256      | 1                       |
| 9   | 16          | 6                | 204      | 1                       |
| 10  | 17          | 8.4              | 334      | 1                       |
| 11  | 16          | 7.2              | 205      | 1                       |
| 12  | 16          | 8.9              | 294      | 1                       |
| 13  | 16          | 8.6              | 340      | 1                       |
| 14  | 18          | 8.1              | 347      | 1                       |
| 15  | 18          | 6.5              | 468      | 0                       |
| 16  | 17          | 6.3              | 302      | 1                       |
| 17  | 16          | 6.8              | 280      | 1                       |
| 18  | 17          | 9.1              | 491      | 1                       |
| 19  | 18          | 6.1              | 296      | 1                       |
| 20  | 18          | 6.4              | 208      | 1                       |
| 21  | 18          | 6.2              | 244      | 1                       |
| 22  | 16          | 6.5              | 301      | 1                       |
| 23  | 16          | 7                | 414      | 1                       |
| 24  | 17          | 8.1              | 445      | 1                       |
| 25  | 18          | 8.9              | 407      | 1                       |
| 26  | 16          | 8.9              | 391      | 1                       |
| 27  | 18          | 9.3              | 290      | 1                       |
| 28  | 16          | 9.6              | 358      | 1                       |
| 29  | 18          | 9.9              | 500      | 1                       |
| 30  | 18          | 9.8              | 211      | 1                       |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |             |                  |          |                         |

**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   | 13          | 12.4             | 360      | 1                       |
| 2   | 12          | 17.7             | 401      | 1                       |
| 3   | 14          | 11.6             | 206      | 1                       |
| 4   | 15          | 17.1             | 324      | 1                       |
| 5   | 15          | 14.7             | 310      | 1                       |
| 6   | 14          | 14.8             | 458      | 1                       |
| 7   | 13          | 18.5             | 436      | 1                       |
| 8   | 16          | 16.4             | 280      | 1                       |
| 9   | 12          | 11.3             | 483      | 1                       |
| 10  | 15          | 19.6             | 398      | 1                       |
| 11  | 12          | 17.1             | 465      | 1                       |
| 12  | 13          | 16.9             | 272      | 0                       |
| 13  | 13          | 18.7             | 319      | 1                       |
| 14  | 16          | 19.3             | 423      | 0                       |
| 15  | 15          | 11               | 297      | 1                       |
| 16  | 15          | 11               | 372      | 1                       |
| 17  | 13          | 11.5             | 205      | 1                       |
| 18  | 15          | 14.2             | 424      | 1                       |
| 19  | 15          | 17.3             | 461      | 1                       |
| 20  | 15          | 11.9             | 388      | 1                       |
| 21  | 16          | 13.6             | 479      | 1                       |
| 22  | 12          | 15.8             | 477      | 1                       |
| 23  | 12          | 18.6             | 418      | 1                       |
| 24  | 13          | 15.5             | 370      | 1                       |
| 25  | 15          | 14.4             | 351      | 1                       |
| 26  | 12          | 16.2             | 403      | 1                       |
| 27  | 15          | 14.9             | 447      | 1                       |
| 28  | 13          | 13.9             | 500      | 1                       |
| 29  | 16          | 15.9             | 448      | 1                       |
| 30  | 16          | 16.1             | 267      | 1                       |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5498.0          | 1                              |
| 12   | 5500.0          | 1                              |
| 13   | 5499.0          | 1                              |
| 14   | 5496.0          | 1                              |
| 15   | 5496.0          | 1                              |
| 16   | 5496.0          | 1                              |
| 17   | 5501.0          | 1                              |
| 18   | 5498.0          | 1                              |
| 19   | 5496.0          | 1                              |
| 20   | 5502.0          | 1                              |
| 21   | 5639.0          | 1                              |
| 22   | 5642.0          | 1                              |
| 23   | 5640.0          | 1                              |
| 24   | 5644.0          | 1                              |
| 25   | 5640.0          | 1                              |
| 26   | 5638.0          | 1                              |
| 27   | 5644.0          | 1                              |
| 28   | 5639.0          | 1                              |
| 29   | 5639.0          | 1                              |
| 30   | 5641.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |

## Bin5 Statistics 1

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 486474            | 61.8             | 5                 | 1                          | 1017       | -          | -          | 1                       |
| 1       | 750616            | 61               | 5                 | 1                          | 1294       | -          | -          |                         |
| 2       | 1013396           | 50.8             | 5                 | 2                          | 1787       | 1103       | -          |                         |
| 3       | 188901            | 71.2             | 5                 | 3                          | 1900       | 1190       | 1836       |                         |
| 4       | 453321            | 89.5             | 5                 | 2                          | 1313       | 1127       | -          |                         |
| 5       | 716317            | 66.2             | 5                 | 2                          | 1959       | 1986       | -          |                         |
| 6       | 981109            | 66.4             | 5                 | 2                          | 1467       | 1182       | -          |                         |
| 7       | 156634            | 70.2             | 5                 | 3                          | 1033       | 1298       | 1371       |                         |
| 8       | 421220            | 81.6             | 5                 | 1                          | 1364       | -          | -          |                         |
| 9       | 684780            | 81.9             | 5                 | 2                          | 1456       | 1003       | -          |                         |
| 10      | 949410            | 79               | 5                 | 1                          | 1717       | -          | -          |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 152091            | 72.2             | 13                | 1                          | 1488       | -          | -          | 1                       |
| 1       | 475193            | 93.3             | 13                | 1                          | 1241       | -          | -          |                         |
| 2       | 796042            | 83.7             | 13                | 3                          | 1637       | 1756       | 1562       |                         |
| 3       | 1117861           | 54.3             | 13                | 3                          | 1940       | 1769       | 1667       |                         |
| 4       | 112201            | 61.4             | 13                | 2                          | 1172       | 1516       | -          |                         |
| 5       | 435168            | 55.3             | 13                | 1                          | 1945       | -          | -          |                         |
| 6       | 757903            | 84.5             | 13                | 2                          | 1210       | 1030       | -          |                         |
| 7       | 1078916           | 83.5             | 13                | 3                          | 1416       | 1970       | 1095       |                         |
| 8       | 72326             | 50               | 13                | 3                          | 1966       | 1848       | 1137       |                         |

## Bin5 Statistics 3

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 253308                   | 58.2                    | 14                       | 3                                 | 1053              | 1261              | 1878              | 1                              |
| 1              | 461879                   | 63                      | 14                       | 1                                 | 1035              | -                 | -                 |                                |
| 2              | 668954                   | 53.5                    | 14                       | 1                                 | 1748              | -                 | -                 |                                |
| 3              | 20983                    | 78.7                    | 14                       | 2                                 | 1458              | 1767              | -                 |                                |
| 4              | 227487                   | 55.3                    | 14                       | 3                                 | 1761              | 1924              | 1779              |                                |
| 5              | 436009                   | 90.2                    | 14                       | 1                                 | 1611              | -                 | -                 |                                |
| 6              | 641546                   | 89.2                    | 14                       | 3                                 | 1061              | 1824              | 1328              |                                |
| 7              | 851076                   | 66.7                    | 14                       | 1                                 | 1531              | -                 | -                 |                                |
| 8              | 202437                   | 55.4                    | 14                       | 3                                 | 1306              | 1150              | 1349              |                                |
| 9              | 409227                   | 61.7                    | 14                       | 3                                 | 1338              | 1505              | 1320              |                                |
| 10             | 617045                   | 90.4                    | 14                       | 2                                 | 1648              | 1208              | -                 |                                |
| 11             | 823276                   | 61.2                    | 14                       | 3                                 | 1443              | 1257              | 1152              |                                |
| 12             | 176752                   | 95.9                    | 14                       | 3                                 | 1619              | 1583              | 1529              |                                |
| 13             | 384874                   | 59.9                    | 14                       | 1                                 | 1653              | -                 | -                 |                                |

## Bin5 Statistics 4

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 458996            | 88.8             | 18                | 3                          | 1610       | 1119       | 1050       | 1                       |
| 1       | 619361            | 68.6             | 18                | 3                          | 1865       | 1206       | 1142       |                         |
| 2       | 117474            | 73.2             | 18                | 3                          | 1551       | 1797       | 1424       |                         |
| 3       | 279169            | 55.4             | 18                | 1                          | 1998       | -          | -          |                         |
| 4       | 440177            | 54.9             | 18                | 2                          | 1158       | 1135       | -          |                         |
| 5       | 600127            | 99.5             | 18                | 2                          | 1641       | 1957       | -          |                         |
| 6       | 98126             | 83.1             | 18                | 1                          | 1887       | -          | -          |                         |
| 7       | 257954            | 78.6             | 18                | 3                          | 1664       | 1947       | 1870       |                         |
| 8       | 418373            | 63               | 18                | 3                          | 1763       | 1634       | 1988       |                         |
| 9       | 580150            | 78.5             | 18                | 2                          | 1868       | 1923       | -          |                         |
| 10      | 78100             | 99.3             | 18                | 2                          | 1847       | 1454       | -          |                         |
| 11      | 238571            | 96.5             | 18                | 3                          | 1899       | 1178       | 1379       |                         |
| 12      | 399471            | 59.5             | 18                | 3                          | 1001       | 1944       | 1025       |                         |
| 13      | 560343            | 90.4             | 18                | 2                          | 1874       | 1921       | -          |                         |
| 14      | 58453             | 97.8             | 18                | 1                          | 1353       | -          | -          |                         |
| 15      | 219319            | 60.3             | 18                | 2                          | 1051       | 1796       | -          |                         |
| 16      | 380577            | 52.2             | 18                | 2                          | 1334       | 1059       | -          |                         |
| 17      | 542082            | 83.2             | 18                | 1                          | 1905       | -          | -          |                         |



## Bin5 Statistics 5

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 43346                    | 65.1                    | 12                       | 2                                 | 1285              | 1159              | -                 | 1                              |
| 1              | 223867                   | 68.9                    | 12                       | 3                                 | 1871              | 1450              | 1734              |                                |
| 2              | 405862                   | 99.7                    | 12                       | 2                                 | 1584              | 1036              | -                 |                                |
| 3              | 588319                   | 98.9                    | 12                       | 1                                 | 1100              | -                 | -                 |                                |
| 4              | 20952                    | 57.5                    | 12                       | 3                                 | 1740              | 1064              | 1843              |                                |
| 5              | 202658                   | 72.2                    | 12                       | 1                                 | 1195              | -                 | -                 |                                |
| 6              | 382491                   | 65.8                    | 12                       | 3                                 | 1614              | 1690              | 1350              |                                |
| 7              | 564805                   | 99.3                    | 12                       | 2                                 | 1527              | 1083              | -                 |                                |
| 8              | 745750                   | 77                      | 12                       | 2                                 | 1522              | 1410              | -                 |                                |
| 9              | 180227                   | 99.7                    | 12                       | 1                                 | 1446              | -                 | -                 |                                |
| 10             | 361570                   | 64.8                    | 12                       | 1                                 | 1869              | -                 | -                 |                                |
| 11             | 543487                   | 69.8                    | 12                       | 1                                 | 1219              | -                 | -                 |                                |
| 12             | 724756                   | 91.5                    | 12                       | 1                                 | 1564              | -                 | -                 |                                |
| 13             | 157814                   | 67.7                    | 12                       | 1                                 | 1686              | -                 | -                 |                                |
| 14             | 338690                   | 76.4                    | 12                       | 2                                 | 1819              | 1220              | -                 |                                |
| 15             | 520886                   | 83.3                    | 12                       | 1                                 | 1553              | -                 | -                 |                                |

## Bin5 Statistics 6

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 861363            | 95               | 7                 | 3                          | 1929       | 1965       | 1361       | 1                       |
| 1       | 166270            | 85.8             | 7                 | 3                          | 1548       | 1585       | 1418       |                         |
| 2       | 389373            | 88.2             | 7                 | 3                          | 1165       | 1259       | 1343       |                         |
| 3       | 613576            | 100              | 7                 | 1                          | 1903       | -          | -          |                         |
| 4       | 837625            | 79.6             | 7                 | 1                          | 1204       | -          | -          |                         |
| 5       | 139220            | 84.1             | 7                 | 1                          | 1963       | -          | -          |                         |
| 6       | 362207            | 67               | 7                 | 2                          | 1284       | 1726       | -          |                         |
| 7       | 583593            | 79.6             | 7                 | 3                          | 1994       | 1826       | 1956       |                         |
| 8       | 807815            | 100              | 7                 | 2                          | 1809       | 1978       | -          |                         |
| 9       | 111428            | 75               | 7                 | 3                          | 1808       | 1293       | 1128       |                         |
| 10      | 334146            | 79.4             | 7                 | 3                          | 1968       | 1255       | 1367       |                         |
| 11      | 558619            | 58.9             | 7                 | 1                          | 1768       | -          | -          |                         |
| 12      | 781008            | 80.6             | 7                 | 2                          | 1863       | 1151       | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 91291             | 98.9             | 5                 | 1                          | 1133       | -          | -          | 1                       |
| 1       | 333445            | 69               | 5                 | 1                          | 1440       | -          | -          |                         |
| 2       | 574573            | 95.2             | 5                 | 2                          | 1390       | 1880       | -          |                         |
| 3       | 817237            | 59.5             | 5                 | 2                          | 1087       | 1052       | -          |                         |
| 4       | 61326             | 57.2             | 5                 | 2                          | 1395       | 1766       | -          |                         |
| 5       | 303233            | 96.2             | 5                 | 2                          | 1615       | 1077       | -          |                         |
| 6       | 545880            | 76.9             | 5                 | 1                          | 1286       | -          | -          |                         |
| 7       | 786994            | 60.3             | 5                 | 2                          | 1179       | 1509       | -          |                         |
| 8       | 31492             | 89.9             | 5                 | 3                          | 1242       | 1801       | 1825       |                         |
| 9       | 273126            | 61               | 5                 | 3                          | 1113       | 1116       | 1608       |                         |
| 10      | 514115            | 51               | 5                 | 3                          | 1999       | 1953       | 1068       |                         |
| 11      | 758152            | 89.7             | 5                 | 1                          | 1434       | -          | -          |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1060              | 55.6             | 5                 | 1                          | 1835       | -          | -          | 1                       |
| 1       | 145490            | 72.5             | 5                 | 3                          | 1652       | 1651       | 1166       |                         |
| 2       | 291431            | 83.4             | 5                 | 1                          | 1377       | -          | -          |                         |
| 3       | 434518            | 63.7             | 5                 | 3                          | 1021       | 1573       | 1659       |                         |
| 4       | 579412            | 93.3             | 5                 | 2                          | 1892       | 1942       | -          |                         |
| 5       | 128296            | 87               | 5                 | 1                          | 1684       | -          | -          |                         |
| 6       | 273633            | 81.5             | 5                 | 1                          | 1189       | -          | -          |                         |
| 7       | 418401            | 70.1             | 5                 | 1                          | 1850       | -          | -          |                         |
| 8       | 562819            | 76.2             | 5                 | 2                          | 1447       | 1096       | -          |                         |
| 9       | 110162            | 95.4             | 5                 | 2                          | 1821       | 1273       | -          |                         |
| 10      | 255048            | 62               | 5                 | 2                          | 1038       | 1780       | -          |                         |
| 11      | 399671            | 72.1             | 5                 | 2                          | 1696       | 1439       | -          |                         |
| 12      | 545718            | 52.2             | 5                 | 1                          | 1723       | -          | -          |                         |
| 13      | 92612             | 53.5             | 5                 | 1                          | 1272       | -          | -          |                         |
| 14      | 237583            | 81               | 5                 | 1                          | 1873       | -          | -          |                         |
| 15      | 383089            | 51.9             | 5                 | 1                          | 1184       | -          | -          |                         |
| 16      | 526894            | 70               | 5                 | 2                          | 1681       | 1120       | -          |                         |
| 17      | 74257             | 98.9             | 5                 | 3                          | 1804       | 1741       | 1478       |                         |
| 18      | 219819            | 82.6             | 5                 | 1                          | 1588       | -          | -          |                         |
| 19      | 364788            | 92.8             | 5                 | 1                          | 1858       | -          | -          |                         |

## Bin5 Statistics 9

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 1132527           | 56.9             | 16                | 3                          | 1136       | 1760       | 1805       | 1                       |
| 1       | 126129            | 68.7             | 16                | 3                          | 1890       | 1703       | 1109       |                         |
| 2       | 449449            | 78.2             | 16                | 1                          | 1487       | -          | -          |                         |
| 3       | 770583            | 80.7             | 16                | 3                          | 1485       | 1632       | 1613       |                         |
| 4       | 1094518           | 69.7             | 16                | 2                          | 1381       | 1274       | -          |                         |
| 5       | 86486             | 60.2             | 16                | 3                          | 1243       | 1323       | 1387       |                         |
| 6       | 409135            | 84.2             | 16                | 3                          | 1069       | 1122       | 1005       |                         |
| 7       | 731096            | 71.6             | 16                | 3                          | 1484       | 1473       | 1402       |                         |
| 8       | 1054530           | 99.5             | 16                | 2                          | 1565       | 1386       | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 26235             | 73               | 16                | 3                          | 1501       | 1426       | 1417       | 1                       |
| 1       | 207965            | 55               | 16                | 1                          | 1155       | -          | -          |                         |
| 2       | 389479            | 74.7             | 16                | 1                          | 1356       | -          | -          |                         |
| 3       | 570993            | 87.2             | 16                | 1                          | 1429       | -          | -          |                         |
| 4       | 3976              | 60.3             | 16                | 1                          | 1020       | -          | -          |                         |
| 5       | 185597            | 74               | 16                | 1                          | 1144       | -          | -          |                         |
| 6       | 367008            | 61.5             | 16                | 1                          | 1571       | -          | -          |                         |
| 7       | 548716            | 83.6             | 16                | 1                          | 1311       | -          | -          |                         |
| 8       | 730159            | 65.8             | 16                | 1                          | 1453       | -          | -          |                         |
| 9       | 162380            | 56.7             | 16                | 3                          | 1952       | 1483       | 1586       |                         |
| 10      | 343944            | 88               | 16                | 2                          | 1321       | 1783       | -          |                         |
| 11      | 524322            | 97.9             | 16                | 3                          | 1498       | 1459       | 1238       |                         |
| 12      | 704711            | 88.9             | 16                | 3                          | 1067       | 1815       | 1834       |                         |
| 13      | 140855            | 54.3             | 16                | 1                          | 1138       | -          | -          |                         |
| 14      | 321297            | 53.4             | 16                | 3                          | 1312       | 1468       | 1098       |                         |
| 15      | 502235            | 57               | 16                | 3                          | 1476       | 1432       | 1000       |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 1369938                  | 73                      | 11                       | 3                                 | 1609              | 1302              | 1011              | 1                              |
| 1              | 237061                   | 57.2                    | 11                       | 1                                 | 1671              | -                 | -                 |                                |
| 2              | 600598                   | 53.7                    | 11                       | 1                                 | 1308              | -                 | -                 |                                |
| 3              | 963693                   | 65.1                    | 11                       | 1                                 | 1907              | -                 | -                 |                                |
| 4              | 1324989                  | 75                      | 11                       | 3                                 | 1405              | 1663              | 1141              |                                |
| 5              | 192341                   | 90.3                    | 11                       | 1                                 | 1346              | -                 | -                 |                                |
| 6              | 555814                   | 91.1                    | 11                       | 1                                 | 1341              | -                 | -                 |                                |
| 7              | 917634                   | 78.5                    | 11                       | 3                                 | 1507              | 1094              | 1433              |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 931122                   | 58.3                    | 15                       | 2                                 | 1845              | 1226              | -                 | 1                              |
| 1              | 107226                   | 82.7                    | 15                       | 1                                 | 1969              | -                 | -                 |                                |
| 2              | 371339                   | 87                      | 15                       | 1                                 | 1938              | -                 | -                 |                                |
| 3              | 634977                   | 94.4                    | 15                       | 2                                 | 1022              | 1725              | -                 |                                |
| 4              | 900079                   | 52.6                    | 15                       | 1                                 | 1309              | -                 | -                 |                                |
| 5              | 74734                    | 94.1                    | 15                       | 1                                 | 1397              | -                 | -                 |                                |
| 6              | 338665                   | 83                      | 15                       | 2                                 | 1224              | 1170              | -                 |                                |
| 7              | 602462                   | 52.8                    | 15                       | 2                                 | 1682              | 1078              | -                 |                                |
| 8              | 867343                   | 59.9                    | 15                       | 1                                 | 1541              | -                 | -                 |                                |
| 9              | 42139                    | 70.6                    | 15                       | 2                                 | 1517              | 1092              | -                 |                                |
| 10             | 305541                   | 53.1                    | 15                       | 3                                 | 1370              | 1846              | 1332              |                                |

## Bin5 Statistics 13

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 523157            | 90.4             | 14                | 1                          | 1194       | -          | -          | 1                       |
| 1       | 764288            | 87.3             | 14                | 2                          | 1515       | 1129       | -          |                         |
| 2       | 8818              | 85               | 14                | 2                          | 1828       | 1335       | -          |                         |
| 3       | 250941            | 92               | 14                | 1                          | 1736       | -          | -          |                         |
| 4       | 491552            | 79.5             | 14                | 3                          | 1542       | 1352       | 1876       |                         |
| 5       | 733699            | 69.4             | 14                | 3                          | 1108       | 1117       | 1496       |                         |
| 6       | 977118            | 68.3             | 14                | 1                          | 1893       | -          | -          |                         |
| 7       | 220876            | 54.1             | 14                | 2                          | 1173       | 1655       | -          |                         |
| 8       | 462205            | 92.2             | 14                | 3                          | 1016       | 1330       | 1596       |                         |
| 9       | 703140            | 94.6             | 14                | 3                          | 1811       | 1345       | 1692       |                         |
| 10      | 947661            | 94.9             | 14                | 1                          | 1513       | -          | -          |                         |
| 11      | 190782            | 68               | 14                | 3                          | 1534       | 1743       | 1140       |                         |

## Bin5 Statistics 14

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 258522                   | 64.3                    | 6                        | 3                                 | 1422              | 1896              | 1228              | 1                              |
| 1              | 404066                   | 74.7                    | 6                        | 2                                 | 1795              | 1085              | -                 |                                |
| 2              | 549737                   | 73.7                    | 6                        | 1                                 | 1955              | -                 | -                 |                                |
| 3              | 96288                    | 96.7                    | 6                        | 3                                 | 1412              | 1817              | 1499              |                                |
| 4              | 240517                   | 52.9                    | 6                        | 3                                 | 1794              | 1535              | 1753              |                                |
| 5              | 386195                   | 80.5                    | 6                        | 2                                 | 1526              | 1404              | -                 |                                |
| 6              | 530255                   | 56.5                    | 6                        | 3                                 | 1047              | 1464              | 1260              |                                |
| 7              | 78660                    | 74.5                    | 6                        | 3                                 | 1105              | 1081              | 1359              |                                |
| 8              | 223448                   | 82.8                    | 6                        | 2                                 | 1685              | 1518              | -                 |                                |
| 9              | 369245                   | 64                      | 6                        | 1                                 | 1492              | -                 | -                 |                                |
| 10             | 513536                   | 96.2                    | 6                        | 2                                 | 1073              | 1427              | -                 |                                |
| 11             | 60852                    | 78.9                    | 6                        | 2                                 | 1687              | 1755              | -                 |                                |
| 12             | 205293                   | 77.6                    | 6                        | 3                                 | 1357              | 1400              | 1392              |                                |
| 13             | 351341                   | 87                      | 6                        | 1                                 | 1533              | -                 | -                 |                                |
| 14             | 494272                   | 67.2                    | 6                        | 3                                 | 1162              | 1698              | 1344              |                                |
| 15             | 42941                    | 80.9                    | 6                        | 3                                 | 1528              | 1820              | 1339              |                                |
| 16             | 187433                   | 71.8                    | 6                        | 3                                 | 1093              | 1250              | 1995              |                                |
| 17             | 333361                   | 73.7                    | 6                        | 1                                 | 1714              | -                 | -                 |                                |
| 18             | 476484                   | 85.2                    | 6                        | 3                                 | 1701              | 1486              | 1004              |                                |
| 19             | 25203                    | 88                      | 6                        | 2                                 | 1849              | 1729              | -                 |                                |

## Bin5 Statistics 15

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 212660                   | 68.2                    | 5                        | 2                                 | 1691              | 1578              | -                 | 1                              |
| 1              | 393598                   | 51.1                    | 5                        | 2                                 | 1867              | 1721              | -                 |                                |
| 2              | 575779                   | 63                      | 5                        | 2                                 | 1066              | 1024              | -                 |                                |
| 3              | 9250                     | 69.7                    | 5                        | 2                                 | 1300              | 1639              | -                 |                                |
| 4              | 190485                   | 88.1                    | 5                        | 2                                 | 1149              | 1598              | -                 |                                |
| 5              | 371266                   | 65.3                    | 5                        | 3                                 | 1185              | 1207              | 1263              |                                |
| 6              | 553983                   | 74.2                    | 5                        | 1                                 | 1351              | -                 | -                 |                                |
| 7              | 735310                   | 95.7                    | 5                        | 1                                 | 1599              | -                 | -                 |                                |
| 8              | 167893                   | 56.6                    | 5                        | 3                                 | 1079              | 1399              | 1461              |                                |
| 9              | 348500                   | 86.1                    | 5                        | 3                                 | 1076              | 1658              | 1925              |                                |
| 10             | 531741                   | 98.9                    | 5                        | 1                                 | 1177              | -                 | -                 |                                |
| 11             | 709712                   | 84                      | 5                        | 3                                 | 1649              | 1545              | 1806              |                                |
| 12             | 146036                   | 63.4                    | 5                        | 1                                 | 1732              | -                 | -                 |                                |
| 13             | 327275                   | 64.7                    | 5                        | 2                                 | 1043              | 1237              | -                 |                                |
| 14             | 509464                   | 72.7                    | 5                        | 1                                 | 1039              | -                 | -                 |                                |
| 15             | 691121                   | 69.6                    | 5                        | 1                                 | 1028              | -                 | -                 |                                |



## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 123232                   | 79                      | 7                        | 3                                 | 1709              | 1362              | 1382              | 1                              |
| 1              | 304688                   | 97.5                    | 7                        | 2                                 | 1097              | 1793              | -                 |                                |
| 2              | 484677                   | 80.1                    | 7                        | 3                                 | 1718              | 1279              | 1751              |                                |
| 3              | 668429                   | 72.3                    | 7                        | 1                                 | 1383              | -                 | -                 |                                |
| 4              | 101154                   | 53.3                    | 7                        | 2                                 | 1612              | 1406              | -                 |                                |
| 5              | 281441                   | 96.2                    | 7                        | 3                                 | 1898              | 1676              | 1770              |                                |
| 6              | 464128                   | 70.3                    | 7                        | 1                                 | 1985              | -                 | -                 |                                |
| 7              | 645839                   | 76.4                    | 7                        | 1                                 | 1644              | -                 | -                 |                                |
| 8              | 79002                    | 91.2                    | 7                        | 1                                 | 1462              | -                 | -                 |                                |
| 9              | 260474                   | 56.1                    | 7                        | 1                                 | 1670              | -                 | -                 |                                |
| 10             | 442289                   | 64.4                    | 7                        | 1                                 | 1125              | -                 | -                 |                                |
| 11             | 621048                   | 92.5                    | 7                        | 3                                 | 1708              | 1347              | 1511              |                                |
| 12             | 56667                    | 52.1                    | 7                        | 1                                 | 1114              | -                 | -                 |                                |
| 13             | 238153                   | 87.5                    | 7                        | 1                                 | 1560              | -                 | -                 |                                |
| 14             | 419040                   | 82.4                    | 7                        | 2                                 | 1099              | 1590              | -                 |                                |
| 15             | 599678                   | 68.5                    | 7                        | 2                                 | 1987              | 1460              | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 49719             | 59.3             | 18                | 3                          | 1908       | 1943       | 1326       | 1                       |
| 1       | 313161            | 56.8             | 18                | 3                          | 1913       | 1369       | 1490       |                         |
| 2       | 577893            | 99.9             | 18                | 2                          | 1247       | 1057       | -          |                         |
| 3       | 841419            | 63.1             | 18                | 2                          | 1668       | 1277       | -          |                         |
| 4       | 17298             | 61.6             | 18                | 3                          | 1624       | 1115       | 1561       |                         |
| 5       | 280848            | 53.9             | 18                | 3                          | 1742       | 1307       | 1202       |                         |
| 6       | 545018            | 58.5             | 18                | 2                          | 1759       | 1251       | -          |                         |
| 7       | 808047            | 87.7             | 18                | 3                          | 1502       | 1015       | 1597       |                         |
| 8       | 1074270           | 56.3             | 18                | 1                          | 1436       | -          | -          |                         |
| 9       | 248691            | 60.8             | 18                | 2                          | 1048       | 1862       | -          |                         |
| 10      | 513105            | 67.9             | 18                | 1                          | 1764       | -          | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 567375            | 96.8             | 11                | 3                          | 1407       | 1838       | 1710       | 1                       |
| 1       | 760944            | 65.1             | 11                | 3                          | 1089       | 1423       | 1665       |                         |
| 2       | 158433            | 62.1             | 11                | 2                          | 1104       | 1555       | -          |                         |
| 3       | 352538            | 65.4             | 11                | 1                          | 1019       | -          | -          |                         |
| 4       | 544485            | 62.9             | 11                | 2                          | 1964       | 1733       | -          |                         |
| 5       | 737251            | 64.3             | 11                | 3                          | 1897       | 1008       | 1183       |                         |
| 6       | 134557            | 97.7             | 11                | 2                          | 1336       | 1657       | -          |                         |
| 7       | 328291            | 51.8             | 11                | 1                          | 1935       | -          | -          |                         |
| 8       | 521544            | 74.3             | 11                | 2                          | 1188       | 1211       | -          |                         |
| 9       | 714056            | 93.6             | 11                | 2                          | 1777       | 1662       | -          |                         |
| 10      | 110857            | 62.9             | 11                | 2                          | 1044       | 1153       | -          |                         |
| 11      | 304648            | 84.6             | 11                | 1                          | 1414       | -          | -          |                         |
| 12      | 497364            | 72.1             | 11                | 2                          | 1543       | 1421       | -          |                         |
| 13      | 691695            | 80.8             | 11                | 1                          | 1781       | -          | -          |                         |
| 14      | 87089             | 86.7             | 11                | 1                          | 1594       | -          | -          |                         |

## Bin5 Statistics 19

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247192                   | 78.6                    | 6                        | 2                                 | 1711              | 1143              | -                 | 1                              |
| 1              | 418435                   | 82                      | 6                        | 1                                 | 1616              | -                 | -                 |                                |
| 2              | 588085                   | 50.8                    | 6                        | 2                                 | 1727              | 1271              | -                 |                                |
| 3              | 55662                    | 81.7                    | 6                        | 2                                 | 1606              | 1521              | -                 |                                |
| 4              | 226784                   | 93.5                    | 6                        | 1                                 | 1007              | -                 | -                 |                                |
| 5              | 396759                   | 69.2                    | 6                        | 2                                 | 1266              | 1477              | -                 |                                |
| 6              | 568201                   | 53.6                    | 6                        | 1                                 | 1617              | -                 | -                 |                                |
| 7              | 34581                    | 80.4                    | 6                        | 3                                 | 1971              | 1465              | 1444              |                                |
| 8              | 205507                   | 74.7                    | 6                        | 1                                 | 1758              | -                 | -                 |                                |
| 9              | 375496                   | 56.5                    | 6                        | 2                                 | 1319              | 1906              | -                 |                                |
| 10             | 544959                   | 64.9                    | 6                        | 3                                 | 1844              | 1409              | 1199              |                                |
| 11             | 13640                    | 59.5                    | 6                        | 3                                 | 1792              | 1318              | 1716              |                                |
| 12             | 184658                   | 57.9                    | 6                        | 1                                 | 1049              | -                 | -                 |                                |
| 13             | 355428                   | 75.1                    | 6                        | 1                                 | 1394              | -                 | -                 |                                |
| 14             | 526362                   | 89                      | 6                        | 1                                 | 1296              | -                 | -                 |                                |
| 15             | 693447                   | 92.4                    | 6                        | 3                                 | 1931              | 1950              | 1254              |                                |
| 16             | 163385                   | 66                      | 6                        | 1                                 | 1979              | -                 | -                 |                                |

## Bin5 Statistics 20

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 334539                   | 92.6                    | 20                       | 1                                 | 1063              | -                 | -                 | 1                              |
| 1              | 503048                   | 78.3                    | 20                       | 3                                 | 1629              | 1750              | 1075              |                                |
| 2              | 673951                   | 73.6                    | 20                       | 2                                 | 1997              | 1640              | -                 |                                |
| 3              | 142074                   | 61.3                    | 20                       | 2                                 | 1635              | 1744              | -                 |                                |
| 4              | 312606                   | 79                      | 20                       | 2                                 | 1491              | 1544              | -                 |                                |
| 5              | 484147                   | 90.7                    | 20                       | 1                                 | 1466              | -                 | -                 |                                |
| 6              | 651794                   | 51.5                    | 20                       | 3                                 | 1303              | 1715              | 1885              |                                |
| 7              | 121449                   | 78.2                    | 20                       | 1                                 | 1275              | -                 | -                 |                                |
| 8              | 291498                   | 54.5                    | 20                       | 2                                 | 1595              | 1706              | -                 |                                |
| 9              | 463269                   | 85.6                    | 20                       | 1                                 | 1214              | -                 | -                 |                                |
| 10             | 633531                   | 58.1                    | 20                       | 1                                 | 1927              | -                 | -                 |                                |
| 11             | 100404                   | 74.9                    | 20                       | 1                                 | 1246              | -                 | -                 |                                |
| 12             | 271176                   | 96.5                    | 20                       | 1                                 | 1570              | -                 | -                 |                                |
| 13             | 441262                   | 72.3                    | 20                       | 2                                 | 1699              | 1037              | -                 |                                |
| 14             | 609875                   | 77.7                    | 20                       | 3                                 | 1602              | 1854              | 1489              |                                |
| 15             | 79351                    | 82.3                    | 20                       | 1                                 | 1270              | -                 | -                 |                                |
| 16             | 249509                   | 75                      | 20                       | 2                                 | 1840              | 1493              | -                 |                                |

## Bin5 Statistics 21

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 356495                   | 75.4                    | 18                       | 2                                 | 1813              | 1722              | -                 | 1                              |
| 1              | 502543                   | 76.5                    | 18                       | 1                                 | 1884              | -                 | -                 |                                |
| 2              | 49547                    | 86.9                    | 18                       | 1                                 | 1187              | -                 | -                 |                                |
| 3              | 193577                   | 74.6                    | 18                       | 3                                 | 1833              | 1789              | 1258              |                                |
| 4              | 339911                   | 67.4                    | 18                       | 1                                 | 1360              | -                 | -                 |                                |
| 5              | 483807                   | 98.8                    | 18                       | 2                                 | 1289              | 1666              | -                 |                                |
| 6              | 31534                    | 93.1                    | 18                       | 2                                 | 1877              | 1656              | -                 |                                |
| 7              | 176702                   | 84.7                    | 18                       | 1                                 | 1818              | -                 | -                 |                                |
| 8              | 322215                   | 87.5                    | 18                       | 1                                 | 1010              | -                 | -                 |                                |
| 9              | 466018                   | 58.8                    | 18                       | 2                                 | 1771              | 1123              | -                 |                                |
| 10             | 13723                    | 98.1                    | 18                       | 2                                 | 1175              | 1992              | -                 |                                |
| 11             | 158901                   | 54.8                    | 18                       | 1                                 | 1558              | -                 | -                 |                                |
| 12             | 303176                   | 89.8                    | 18                       | 2                                 | 1625              | 1638              | -                 |                                |
| 13             | 448912                   | 76.8                    | 18                       | 1                                 | 1919              | -                 | -                 |                                |
| 14             | 594229                   | 85.4                    | 18                       | 1                                 | 1654              | -                 | -                 |                                |
| 15             | 140726                   | 51.2                    | 18                       | 2                                 | 1281              | 1536              | -                 |                                |
| 16             | 285161                   | 96.9                    | 18                       | 2                                 | 1832              | 1823              | -                 |                                |
| 17             | 431258                   | 92.1                    | 18                       | 1                                 | 1623              | -                 | -                 |                                |
| 18             | 573706                   | 93.9                    | 18                       | 3                                 | 1839              | 1384              | 1180              |                                |
| 19             | 122678                   | 57.2                    | 18                       | 3                                 | 1388              | 1065              | 1376              |                                |

## Bin5 Statistics 22

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 595960            | 75.3             | 12                | 3                          | 1227       | 1168       | 1582       | 1                       |
| 1       | 917218            | 99.6             | 12                | 3                          | 1827       | 1822       | 1996       |                         |
| 2       | 1243219           | 91.4             | 12                | 1                          | 1365       | -          | -          |                         |
| 3       | 233781            | 99.4             | 12                | 3                          | 1278       | 1745       | 1265       |                         |
| 4       | 557095            | 53.5             | 12                | 1                          | 1949       | -          | -          |                         |
| 5       | 879775            | 89               | 12                | 2                          | 1146       | 1139       | -          |                         |
| 6       | 1202328           | 83.6             | 12                | 2                          | 1174       | 1408       | -          |                         |
| 7       | 194533            | 95.6             | 12                | 1                          | 1163       | -          | -          |                         |
| 8       | 516378            | 55.5             | 12                | 3                          | 1086       | 1875       | 1415       |                         |

## Bin5 Statistics 23

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 754080            | 78.3             | 17                | 3                          | 1948       | 1693       | 1474       | 1                       |
| 1       | 1046771           | 84.3             | 17                | 1                          | 1802       | -          | -          |                         |
| 2       | 139266            | 87.2             | 17                | 1                          | 1006       | -          | -          |                         |
| 3       | 429288            | 77.3             | 17                | 2                          | 1176       | 1983       | -          |                         |
| 4       | 719232            | 82.9             | 17                | 2                          | 1888       | 1816       | -          |                         |
| 5       | 1010005           | 99.7             | 17                | 2                          | 1762       | 1192       | -          |                         |
| 6       | 103108            | 62.4             | 17                | 3                          | 1754       | 1812       | 1374       |                         |
| 7       | 393483            | 55.5             | 17                | 2                          | 1482       | 1829       | -          |                         |
| 8       | 684107            | 91.4             | 17                | 2                          | 1193       | 1437       | -          |                         |
| 9       | 973378            | 75.2             | 17                | 3                          | 1702       | 1234       | 1080       |                         |

## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (us)</b> | <b>Pulse Width (us)</b> | <b>Chirp Width (MHz)</b> | <b>Number of Pulses per Burst</b> | <b>PRI-1 (us)</b> | <b>PRI-2 (us)</b> | <b>PRI-3 (us)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|-------------------------|--------------------------|-----------------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 56293                    | 79.5                    | 7                        | 1                                 | 1972              | -                 | -                 | 1                              |
| 1              | 298542                   | 80.5                    | 7                        | 1                                 | 1316              | -                 | -                 |                                |
| 2              | 540573                   | 76.7                    | 7                        | 1                                 | 1650              | -                 | -                 |                                |
| 3              | 781317                   | 91.5                    | 7                        | 2                                 | 1537              | 1883              | -                 |                                |
| 4              | 26401                    | 81.8                    | 7                        | 3                                 | 1508              | 1471              | 1852              |                                |
| 5              | 268656                   | 53.4                    | 7                        | 1                                 | 1506              | -                 | -                 |                                |
| 6              | 509317                   | 73.4                    | 7                        | 3                                 | 1041              | 1724              | 1683              |                                |
| 7              | 752859                   | 64.8                    | 7                        | 1                                 | 1677              | -                 | -                 |                                |
| 8              | 994662                   | 58.7                    | 7                        | 1                                 | 2000              | -                 | -                 |                                |
| 9              | 238185                   | 72.7                    | 7                        | 3                                 | 1525              | 1107              | 1556              |                                |
| 10             | 480297                   | 73.6                    | 7                        | 2                                 | 1084              | 1866              | -                 |                                |
| 11             | 721098                   | 99.6                    | 7                        | 3                                 | 1295              | 1510              | 1546              |                                |

## Bin5 Statistics 25

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 642849            | 80.2             | 17                | 1                          | 1730       | -          | -          | 1                       |
| 1       | 138722            | 83.8             | 17                | 3                          | 1642       | 1240       | 1034       |                         |
| 2       | 299898            | 75               | 17                | 2                          | 1841       | 1106       | -          |                         |
| 3       | 460037            | 99.7             | 17                | 3                          | 1327       | 1600       | 1221       |                         |
| 4       | 620200            | 75.8             | 17                | 3                          | 1694       | 1441       | 1567       |                         |
| 5       | 118695            | 85.2             | 17                | 3                          | 1941       | 1864       | 1380       |                         |
| 6       | 279989            | 87.5             | 17                | 2                          | 1855       | 1283       | -          |                         |
| 7       | 440734            | 71.1             | 17                | 2                          | 1620       | 1791       | -          |                         |
| 8       | 602028            | 78.4             | 17                | 2                          | 1358       | 1575       | -          |                         |
| 9       | 99477             | 65.1             | 17                | 1                          | 1554       | -          | -          |                         |
| 10      | 260928            | 97.6             | 17                | 1                          | 1197       | -          | -          |                         |
| 11      | 420902            | 79.2             | 17                | 2                          | 1503       | 1936       | -          |                         |
| 12      | 583240            | 59.2             | 17                | 1                          | 1747       | -          | -          |                         |
| 13      | 79571             | 74.6             | 17                | 1                          | 1857       | -          | -          |                         |
| 14      | 240340            | 60.8             | 17                | 2                          | 1393       | 1757       | -          |                         |
| 15      | 401297            | 77.5             | 17                | 2                          | 1244       | 1851       | -          |                         |
| 16      | 561533            | 56.8             | 17                | 3                          | 1739       | 1026       | 1157       |                         |
| 17      | 59644             | 77.2             | 17                | 2                          | 1018       | 1580       | -          |                         |



## Bin5 Statistics 26

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 398442            | 72.9             | 20                | 1                          | 1124       | -          | -          | 1                       |
| 1       | 688919            | 95.8             | 20                | 1                          | 1626       | -          | -          |                         |
| 2       | 979524            | 55.4             | 20                | 1                          | 1674       | -          | -          |                         |
| 3       | 71713             | 66.9             | 20                | 2                          | 1689       | 1920       | -          |                         |
| 4       | 361574            | 64.3             | 20                | 3                          | 1445       | 1775       | 1385       |                         |
| 5       | 652217            | 76.8             | 20                | 2                          | 1879       | 1401       | -          |                         |
| 6       | 942661            | 98.7             | 20                | 2                          | 1248       | 1776       | -          |                         |
| 7       | 36038             | 58.1             | 20                | 1                          | 1368       | -          | -          |                         |
| 8       | 326291            | 59.5             | 20                | 2                          | 1372       | 1661       | -          |                         |
| 9       | 616483            | 95.9             | 20                | 2                          | 1746       | 1500       | -          |                         |

## Bin5 Statistics 27

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 502724            | 80.2             | 5                 | 2                          | 1982       | 1164       | -          | 1                       |
| 1       | 128               | 74.2             | 5                 | 2                          | 1977       | 1198       | -          |                         |
| 2       | 161093            | 74.9             | 5                 | 2                          | 1951       | 1029       | -          |                         |
| 3       | 321933            | 72.8             | 5                 | 2                          | 1524       | 1712       | -          |                         |
| 4       | 483800            | 81.9             | 5                 | 1                          | 1912       | -          | -          |                         |
| 5       | 645010            | 78.7             | 5                 | 1                          | 1926       | -          | -          |                         |
| 6       | 141034            | 54               | 5                 | 3                          | 1604       | 1290       | 1171       |                         |
| 7       | 303131            | 53.3             | 5                 | 1                          | 1002       | -          | -          |                         |
| 8       | 464107            | 52.2             | 5                 | 1                          | 1673       | -          | -          |                         |
| 9       | 622851            | 83.2             | 5                 | 3                          | 1512       | 1621       | 1239       |                         |
| 10      | 121417            | 73.8             | 5                 | 2                          | 1130       | 1967       | -          |                         |
| 11      | 282084            | 77.3             | 5                 | 3                          | 1014       | 1403       | 1314       |                         |
| 12      | 444023            | 68               | 5                 | 1                          | 2000       | -          | -          |                         |
| 13      | 605286            | 70.3             | 5                 | 1                          | 1934       | -          | -          |                         |
| 14      | 101895            | 96.8             | 5                 | 1                          | 1126       | -          | -          |                         |
| 15      | 262970            | 64.4             | 5                 | 1                          | 1984       | -          | -          |                         |
| 16      | 422434            | 82.9             | 5                 | 3                          | 1268       | 1859       | 1587       |                         |
| 17      | 582355            | 97.5             | 5                 | 3                          | 1782       | 1902       | 1738       |                         |

## Bin5 Statistics 28

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 134193            | 82.3             | 18                | 1                          | 1909       | -          | -          | 1                       |
| 1       | 397922            | 57.2             | 18                | 2                          | 1552       | 1419       | -          |                         |
| 2       | 660680            | 92.7             | 18                | 3                          | 1807       | 1396       | 1579       |                         |
| 3       | 927017            | 95.9             | 18                | 1                          | 1354       | -          | -          |                         |
| 4       | 101685            | 57.9             | 18                | 1                          | 1643       | -          | -          |                         |
| 5       | 365284            | 81.6             | 18                | 2                          | 1800       | 1577       | -          |                         |
| 6       | 629128            | 99.9             | 18                | 2                          | 1719       | 1514       | -          |                         |
| 7       | 892577            | 77.9             | 18                | 2                          | 1976       | 1680       | -          |                         |
| 8       | 68963             | 94.1             | 18                | 3                          | 1222       | 1679       | 1589       |                         |
| 9       | 332820            | 63.3             | 18                | 3                          | 1156       | 1027       | 1111       |                         |
| 10      | 597829            | 69.5             | 18                | 1                          | 1055       | -          | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 523480            | 98.3             | 19                | 3                          | 1678       | 1317       | 1937       | 1                       |
| 1       | 22368             | 51               | 19                | 1                          | 1023       | -          | -          |                         |
| 2       | 182899            | 67.7             | 19                | 3                          | 1451       | 1090       | 1774       |                         |
| 3       | 344376            | 75.7             | 19                | 2                          | 1569       | 1134       | -          |                         |
| 4       | 503959            | 91.7             | 19                | 3                          | 1340       | 1276       | 1991       |                         |
| 5       | 2469              | 91               | 19                | 3                          | 1348       | 1707       | 1455       |                         |
| 6       | 163056            | 54.2             | 19                | 3                          | 1398       | 1167       | 1973       |                         |
| 7       | 324731            | 90.3             | 19                | 2                          | 1225       | 1088       | -          |                         |
| 8       | 484551            | 74.7             | 19                | 3                          | 1181       | 1628       | 1291       |                         |
| 9       | 647405            | 97.3             | 19                | 1                          | 1881       | -          | -          |                         |
| 10      | 143207            | 80.5             | 19                | 3                          | 1618       | 1901       | 1337       |                         |
| 11      | 305459            | 70.5             | 19                | 1                          | 1060       | -          | -          |                         |
| 12      | 466293            | 57.5             | 19                | 1                          | 1910       | -          | -          |                         |
| 13      | 626523            | 75.2             | 19                | 2                          | 1264       | 1700       | -          |                         |
| 14      | 124078            | 73.6             | 19                | 1                          | 1411       | -          | -          |                         |
| 15      | 285552            | 53.4             | 19                | 1                          | 1112       | -          | -          |                         |
| 16      | 446480            | 95.6             | 19                | 1                          | 1842       | -          | -          |                         |
| 17      | 604863            | 77.7             | 19                | 3                          | 1960       | 1785       | 1223       |                         |

## Bin5 Statistics 30

| Trial # | Burst Offset (us) | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) | Detection (1:yes; 0:no) |
|---------|-------------------|------------------|-------------------|----------------------------|------------|------------|------------|-------------------------|
| 0       | 98266             | 85.2             | 14                | 3                          | 1169       | 1504       | 1559       | 1                       |
| 1       | 251659            | 70.1             | 14                | 1                          | 1121       | -          | -          |                         |
| 2       | 403454            | 99.9             | 14                | 2                          | 1148       | 1704       | -          |                         |
| 3       | 555393            | 93.9             | 14                | 2                          | 1532       | 1939       | -          |                         |
| 4       | 79729             | 51.1             | 14                | 2                          | 1520       | 1102       | -          |                         |
| 5       | 232670            | 75.8             | 14                | 1                          | 1540       | -          | -          |                         |
| 6       | 383766            | 52.2             | 14                | 3                          | 1032       | 1470       | 1831       |                         |
| 7       | 535665            | 53.2             | 14                | 3                          | 1601       | 1568       | 1430       |                         |
| 8       | 61072             | 84.3             | 14                | 1                          | 1245       | -          | -          |                         |
| 9       | 213555            | 66.2             | 14                | 2                          | 1287       | 1118       | -          |                         |
| 10      | 364768            | 93.4             | 14                | 3                          | 1728       | 1132       | 1918       |                         |
| 11      | 516761            | 73               | 14                | 3                          | 1872       | 1607       | 1331       |                         |
| 12      | 42064             | 54               | 14                | 3                          | 1040       | 1216       | 1636       |                         |
| 13      | 194759            | 84.6             | 14                | 2                          | 1213       | 1191       | -          |                         |
| 14      | 346128            | 90.8             | 14                | 3                          | 1233       | 1799       | 1592       |                         |
| 15      | 500504            | 83.9             | 14                | 1                          | 1705       | -          | -          |                         |
| 16      | 23328             | 54               | 14                | 2                          | 1837       | 1633       | -          |                         |
| 17      | 175624            | 82.2             | 14                | 2                          | 1928       | 1688       | -          |                         |
| 18      | 327713            | 56               | 14                | 3                          | 1373       | 1355       | 1292       |                         |

**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                       | 5429                  | 5304 | 5414 | 5282 | 5430 |
|         |          |              |                  |          |                         | 5638                  | 5512 | 5337 | 5635 | 5535 |
|         |          |              |                  |          |                         | 5687                  | 5457 | 5315 | 5440 | 5615 |
|         |          |              |                  |          |                         | 5359                  | 5368 | 5604 | 5255 | 5453 |
|         |          |              |                  |          |                         | 5473                  | 5532 | 5486 | 5578 | 5710 |
|         |          |              |                  |          |                         | 5596                  | 5455 | 5250 | 5589 | 5508 |
|         |          |              |                  |          |                         | 5494                  | 5475 | 5590 | 5422 | 5534 |
|         |          |              |                  |          |                         | 5691                  | 5583 | 5448 | 5498 | 5669 |
|         |          |              |                  |          |                         | 5391                  | 5273 | 5350 | 5564 | 5716 |
|         |          |              |                  |          |                         | 5720                  | 5307 | 5372 | 5595 | 5667 |
|         |          |              |                  |          |                         | 5467                  | 5451 | 5393 | 5269 | 5381 |
|         |          |              |                  |          |                         | 5622                  | 5543 | 5658 | 5297 | 5656 |
|         |          |              |                  |          |                         | 5530                  | 5609 | 5377 | 5388 | 5462 |
|         |          |              |                  |          |                         | 5689                  | 5715 | 5253 | 5649 | 5501 |
|         |          |              |                  |          |                         | 5267                  | 5408 | 5409 | 5547 | 5529 |
|         |          |              |                  |          |                         | 5684                  | 5539 | 5333 | 5380 | 5647 |
|         |          |              |                  |          |                         | 5291                  | 5293 | 5332 | 5668 | 5637 |
|         |          |              |                  |          |                         | 5398                  | 5272 | 5401 | 5567 | 5525 |
|         |          |              |                  |          |                         | 5320                  | 5426 | 5504 | 5378 | 5466 |
|         |          |              |                  |          |                         | 5671                  | 5513 | 5450 | 5345 | 5682 |
|         |          |              |                  |          |                         | (number of hits: 31 ) |      |      |      |      |
| 2       | 5570.0   | 9            | 1.0              | 333      | 1                       | 5357                  | 5450 | 5723 | 5664 | 5278 |
|         |          |              |                  |          |                         | 5597                  | 5449 | 5373 | 5684 | 5274 |
|         |          |              |                  |          |                         | 5515                  | 5634 | 5594 | 5543 | 5341 |
|         |          |              |                  |          |                         | 5614                  | 5451 | 5367 | 5577 | 5492 |
|         |          |              |                  |          |                         | 5353                  | 5259 | 5696 | 5356 | 5620 |
|         |          |              |                  |          |                         | 5656                  | 5345 | 5429 | 5615 | 5471 |
|         |          |              |                  |          |                         | 5539                  | 5435 | 5609 | 5689 | 5528 |
|         |          |              |                  |          |                         | 5595                  | 5419 | 5319 | 5394 | 5488 |
|         |          |              |                  |          |                         | 5271                  | 5628 | 5629 | 5486 | 5439 |
|         |          |              |                  |          |                         | 5598                  | 5267 | 5447 | 5638 | 5704 |
|         |          |              |                  |          |                         | 5650                  | 5677 | 5591 | 5602 | 5514 |
|         |          |              |                  |          |                         | 5348                  | 5576 | 5714 | 5391 | 5444 |
|         |          |              |                  |          |                         | 5599                  | 5270 | 5483 | 5560 | 5460 |
|         |          |              |                  |          |                         | 5330                  | 5372 | 5630 | 5362 | 5445 |
|         |          |              |                  |          |                         | 5382                  | 5320 | 5339 | 5547 | 5452 |
|         |          |              |                  |          |                         | 5264                  | 5369 | 5261 | 5623 | 5516 |
|         |          |              |                  |          |                         | 5258                  | 5643 | 5569 | 5257 | 5522 |
|         |          |              |                  |          |                         | 5430                  | 5366 | 5527 | 5275 | 5297 |
|         |          |              |                  |          |                         | 5711                  | 5416 | 5276 | 5359 | 5476 |
|         |          |              |                  |          |                         | 5459                  | 5335 | 5509 | 5518 | 5607 |

|   |        |   |     |     |   | (number of hits: 34)  |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
| 3 | 5570.0 | 9 | 1.0 | 333 | 1 | 5612                  | 5689 | 5659 | 5350 | 5595 |
|   |        |   |     |     |   | 5639                  | 5374 | 5448 | 5372 | 5481 |
|   |        |   |     |     |   | 5349                  | 5423 | 5635 | 5263 | 5362 |
|   |        |   |     |     |   | 5702                  | 5578 | 5470 | 5525 | 5684 |
|   |        |   |     |     |   | 5361                  | 5425 | 5637 | 5445 | 5593 |
|   |        |   |     |     |   | 5544                  | 5672 | 5632 | 5341 | 5505 |
|   |        |   |     |     |   | 5581                  | 5324 | 5566 | 5429 | 5680 |
|   |        |   |     |     |   | 5415                  | 5558 | 5410 | 5665 | 5660 |
|   |        |   |     |     |   | 5564                  | 5334 | 5424 | 5679 | 5671 |
|   |        |   |     |     |   | 5427                  | 5721 | 5287 | 5703 | 5467 |
|   |        |   |     |     |   | 5303                  | 5565 | 5437 | 5302 | 5561 |
|   |        |   |     |     |   | 5482                  | 5301 | 5314 | 5357 | 5625 |
|   |        |   |     |     |   | 5456                  | 5308 | 5294 | 5394 | 5418 |
|   |        |   |     |     |   | 5530                  | 5609 | 5274 | 5619 | 5438 |
|   |        |   |     |     |   | 5560                  | 5588 | 5723 | 5695 | 5592 |
|   |        |   |     |     |   | 5636                  | 5304 | 5624 | 5461 | 5582 |
|   |        |   |     |     |   | 5513                  | 5686 | 5493 | 5363 | 5722 |
|   |        |   |     |     |   | 5653                  | 5614 | 5296 | 5443 | 5457 |
|   |        |   |     |     |   | 5370                  | 5524 | 5557 | 5641 | 5465 |
|   |        |   |     |     |   | 5369                  | 5299 | 5618 | 5535 | 5662 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 4 | 5570.0 | 9 | 1.0 | 333 | 1 | 5392                  | 5453 | 5595 | 5511 | 5340 |
|   |        |   |     |     |   | 5303                  | 5396 | 5523 | 5535 | 5310 |
|   |        |   |     |     |   | 5280                  | 5687 | 5676 | 5458 | 5383 |
|   |        |   |     |     |   | 5693                  | 5608 | 5573 | 5570 | 5401 |
|   |        |   |     |     |   | 5369                  | 5591 | 5675 | 5437 | 5566 |
|   |        |   |     |     |   | 5335                  | 5621 | 5360 | 5445 | 5539 |
|   |        |   |     |     |   | 5720                  | 5688 | 5644 | 5454 | 5613 |
|   |        |   |     |     |   | 5600                  | 5501 | 5461 | 5416 | 5671 |
|   |        |   |     |     |   | 5403                  | 5417 | 5362 | 5347 | 5592 |
|   |        |   |     |     |   | 5503                  | 5407 | 5426 | 5723 | 5281 |
|   |        |   |     |     |   | 5354                  | 5343 | 5479 | 5519 | 5623 |
|   |        |   |     |     |   | 5505                  | 5670 | 5255 | 5286 | 5328 |
|   |        |   |     |     |   | 5721                  | 5315 | 5317 | 5379 | 5351 |
|   |        |   |     |     |   | 5495                  | 5404 | 5552 | 5313 | 5424 |
|   |        |   |     |     |   | 5563                  | 5699 | 5654 | 5561 | 5447 |
|   |        |   |     |     |   | 5605                  | 5616 | 5692 | 5294 | 5375 |
|   |        |   |     |     |   | 5653                  | 5442 | 5456 | 5259 | 5635 |
|   |        |   |     |     |   | 5325                  | 5421 | 5297 | 5377 | 5331 |
|   |        |   |     |     |   | 5471                  | 5306 | 5656 | 5252 | 5649 |
|   |        |   |     |     |   | 5717                  | 5664 | 5274 | 5553 | 5449 |
|   |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 5 | 5570.0 | 9 | 1.0 | 333 | 1 | 5550                  | 5692 | 5531 | 5672 | 5657 |
|   |        |   |     |     |   | 5345                  | 5321 | 5501 | 5698 | 5517 |
|   |        |   |     |     |   | 5589                  | 5573 | 5717 | 5653 | 5404 |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5306                  | 5260 | 5579 | 5615 | 5593 |
|   |        |   |     |     |   | 5377                  | 5660 | 5616 | 5526 | 5539 |
|   |        |   |     |     |   | 5473                  | 5563 | 5549 | 5287 | 5674 |
|   |        |   |     |     |   | 5480                  | 5384 | 5606 | 5433 | 5264 |
|   |        |   |     |     |   | 5689                  | 5257 | 5569 | 5585 | 5500 |
|   |        |   |     |     |   | 5300                  | 5587 | 5432 | 5290 | 5509 |
|   |        |   |     |     |   | 5334                  | 5619 | 5694 | 5655 | 5570 |
|   |        |   |     |     |   | 5712                  | 5423 | 5352 | 5383 | 5684 |
|   |        |   |     |     |   | 5597                  | 5580 | 5299 | 5375 | 5262 |
|   |        |   |     |     |   | 5440                  | 5680 | 5297 | 5318 | 5292 |
|   |        |   |     |     |   | 5393                  | 5572 | 5296 | 5355 | 5385 |
|   |        |   |     |     |   | 5507                  | 5663 | 5664 | 5675 | 5516 |
|   |        |   |     |     |   | 5401                  | 5590 | 5586 | 5327 | 5716 |
|   |        |   |     |     |   | 5357                  | 5259 | 5556 | 5395 | 5319 |
|   |        |   |     |     |   | 5545                  | 5575 | 5496 | 5477 | 5340 |
|   |        |   |     |     |   | 5441                  | 5666 | 5648 | 5647 | 5532 |
|   |        |   |     |     |   | 5552                  | 5582 | 5413 | 5530 | 5418 |
|   |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 6 | 5570.0 | 9 | 1.0 | 333 | 1 | 5330                  | 5456 | 5467 | 5261 | 5402 |
|   |        |   |     |     |   | 5387                  | 5343 | 5576 | 5289 | 5724 |
|   |        |   |     |     |   | 5520                  | 5362 | 5283 | 5373 | 5425 |
|   |        |   |     |     |   | 5394                  | 5682 | 5563 | 5310 | 5288 |
|   |        |   |     |     |   | 5351                  | 5557 | 5518 | 5512 | 5489 |
|   |        |   |     |     |   | 5325                  | 5669 | 5653 | 5607 | 5329 |
|   |        |   |     |     |   | 5340                  | 5502 | 5380 | 5253 | 5403 |
|   |        |   |     |     |   | 5305                  | 5625 | 5344 | 5499 | 5556 |
|   |        |   |     |     |   | 5583                  | 5713 | 5352 | 5683 | 5264 |
|   |        |   |     |     |   | 5270                  | 5592 | 5364 | 5290 | 5506 |
|   |        |   |     |     |   | 5473                  | 5356 | 5621 | 5326 | 5721 |
|   |        |   |     |     |   | 5296                  | 5571 | 5638 | 5312 | 5399 |
|   |        |   |     |     |   | 5504                  | 5645 | 5272 | 5718 | 5519 |
|   |        |   |     |     |   | 5716                  | 5429 | 5404 | 5566 | 5536 |
|   |        |   |     |     |   | 5554                  | 5493 | 5666 | 5513 | 5651 |
|   |        |   |     |     |   | 5475                  | 5424 | 5636 | 5567 | 5331 |
|   |        |   |     |     |   | 5606                  | 5304 | 5354 | 5454 | 5459 |
|   |        |   |     |     |   | 5712                  | 5282 | 5447 | 5633 | 5426 |
|   |        |   |     |     |   | 5318                  | 5395 | 5661 | 5580 | 5277 |
|   |        |   |     |     |   | 5323                  | 5632 | 5545 | 5414 | 5655 |
|   |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 7 | 5570.0 | 9 | 1.0 | 333 | 1 | 5585                  | 5695 | 5403 | 5422 | 5719 |
|   |        |   |     |     |   | 5429                  | 5268 | 5651 | 5452 | 5456 |
|   |        |   |     |     |   | 5451                  | 5626 | 5324 | 5471 | 5446 |
|   |        |   |     |     |   | 5482                  | 5514 | 5310 | 5608 | 5502 |
|   |        |   |     |     |   | 5296                  | 5420 | 5595 | 5607 | 5485 |
|   |        |   |     |     |   | 5377                  | 5274 | 5397 | 5379 | 5641 |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5468                  | 5549 | 5297 | 5717 | 5532 |
|   |        |   |     |     |   | 5542                  | 5396 | 5421 | 5497 | 5510 |
|   |        |   |     |     |   | 5395                  | 5288 | 5495 | 5680 | 5668 |
|   |        |   |     |     |   | 5250                  | 5675 | 5325 | 5343 | 5349 |
|   |        |   |     |     |   | 5672                  | 5415 | 5447 | 5618 | 5284 |
|   |        |   |     |     |   | 5592                  | 5596 | 5619 | 5633 | 5335 |
|   |        |   |     |     |   | 5724                  | 5579 | 5286 | 5342 | 5287 |
|   |        |   |     |     |   | 5368                  | 5614 | 5458 | 5339 | 5479 |
|   |        |   |     |     |   | 5669                  | 5362 | 5627 | 5434 | 5544 |
|   |        |   |     |     |   | 5304                  | 5548 | 5450 | 5587 | 5295 |
|   |        |   |     |     |   | 5367                  | 5254 | 5649 | 5459 | 5554 |
|   |        |   |     |     |   | 5639                  | 5598 | 5380 | 5566 | 5593 |
|   |        |   |     |     |   | 5351                  | 5586 | 5311 | 5385 | 5700 |
|   |        |   |     |     |   | 5407                  | 5713 | 5443 | 5393 | 5283 |
|   |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 8 | 5570.0 | 9 | 1.0 | 333 | 1 | 5365                  | 5459 | 5436 | 5583 | 5464 |
|   |        |   |     |     |   | 5568                  | 5290 | 5251 | 5615 | 5285 |
|   |        |   |     |     |   | 5415                  | 5666 | 5467 | 5473 | 5641 |
|   |        |   |     |     |   | 5413                  | 5653 | 5694 | 5304 | 5586 |
|   |        |   |     |     |   | 5536                  | 5599 | 5458 | 5265 | 5601 |
|   |        |   |     |     |   | 5600                  | 5483 | 5675 | 5510 | 5438 |
|   |        |   |     |     |   | 5254                  | 5457 | 5306 | 5271 | 5584 |
|   |        |   |     |     |   | 5487                  | 5692 | 5650 | 5424 | 5331 |
|   |        |   |     |     |   | 5371                  | 5492 | 5260 | 5677 | 5597 |
|   |        |   |     |     |   | 5705                  | 5283 | 5383 | 5396 | 5658 |
|   |        |   |     |     |   | 5700                  | 5708 | 5723 | 5270 | 5562 |
|   |        |   |     |     |   | 5472                  | 5546 | 5590 | 5287 | 5500 |
|   |        |   |     |     |   | 5669                  | 5411 | 5255 | 5707 | 5543 |
|   |        |   |     |     |   | 5711                  | 5404 | 5446 | 5253 | 5617 |
|   |        |   |     |     |   | 5698                  | 5465 | 5294 | 5686 | 5603 |
|   |        |   |     |     |   | 5393                  | 5718 | 5664 | 5350 | 5529 |
|   |        |   |     |     |   | 5674                  | 5560 | 5368 | 5527 | 5369 |
|   |        |   |     |     |   | 5362                  | 5493 | 5305 | 5259 | 5466 |
|   |        |   |     |     |   | 5431                  | 5717 | 5516 | 5592 | 5345 |
|   |        |   |     |     |   | 5494                  | 5339 | 5462 | 5697 | 5372 |
|   |        |   |     |     |   | (number of hits: 25 ) |      |      |      |      |
| 9 | 5570.0 | 9 | 1.0 | 333 | 1 | 5620                  | 5320 | 5372 | 5269 | 5306 |
|   |        |   |     |     |   | 5610                  | 5690 | 5326 | 5303 | 5492 |
|   |        |   |     |     |   | 5691                  | 5679 | 5503 | 5386 | 5488 |
|   |        |   |     |     |   | 5561                  | 5671 | 5516 | 5698 | 5508 |
|   |        |   |     |     |   | 5655                  | 5477 | 5688 | 5431 | 5531 |
|   |        |   |     |     |   | 5550                  | 5328 | 5587 | 5709 | 5552 |
|   |        |   |     |     |   | 5327                  | 5686 | 5672 | 5458 | 5469 |
|   |        |   |     |     |   | 5723                  | 5578 | 5585 | 5425 | 5338 |
|   |        |   |     |     |   | 5645                  | 5454 | 5430 | 5500 | 5674 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5429                  | 5685 | 5366 | 5441 | 5449 |
|    |        |   |     |     |   | 5448                  | 5479 | 5409 | 5299 | 5568 |
|    |        |   |     |     |   | 5660                  | 5407 | 5319 | 5665 | 5614 |
|    |        |   |     |     |   | 5718                  | 5653 | 5440 | 5656 | 5523 |
|    |        |   |     |     |   | 5420                  | 5392 | 5548 | 5297 | 5438 |
|    |        |   |     |     |   | 5482                  | 5352 | 5590 | 5309 | 5493 |
|    |        |   |     |     |   | 5510                  | 5354 | 5573 | 5624 | 5623 |
|    |        |   |     |     |   | 5564                  | 5265 | 5335 | 5268 | 5451 |
|    |        |   |     |     |   | 5385                  | 5490 | 5611 | 5681 | 5598 |
|    |        |   |     |     |   | 5282                  | 5347 | 5603 | 5356 | 5517 |
|    |        |   |     |     |   | 5336                  | 5254 | 5489 | 5521 | 5696 |
|    |        |   |     |     |   | (number of hits: 29 ) |      |      |      |      |
| 10 | 5570.0 | 9 | 1.0 | 333 | 1 | 5303                  | 5559 | 5308 | 5430 | 5526 |
|    |        |   |     |     |   | 5652                  | 5712 | 5401 | 5466 | 5699 |
|    |        |   |     |     |   | 5622                  | 5565 | 5544 | 5581 | 5509 |
|    |        |   |     |     |   | 5649                  | 5323 | 5522 | 5646 | 5700 |
|    |        |   |     |     |   | 5698                  | 5346 | 5418 | 5680 | 5404 |
|    |        |   |     |     |   | 5419                  | 5402 | 5531 | 5691 | 5268 |
|    |        |   |     |     |   | 5594                  | 5313 | 5643 | 5315 | 5707 |
|    |        |   |     |     |   | 5289                  | 5387 | 5669 | 5381 | 5578 |
|    |        |   |     |     |   | 5349                  | 5484 | 5537 | 5368 | 5265 |
|    |        |   |     |     |   | 5671                  | 5358 | 5665 | 5449 | 5499 |
|    |        |   |     |     |   | 5502                  | 5335 | 5355 | 5585 | 5350 |
|    |        |   |     |     |   | 5304                  | 5391 | 5353 | 5276 | 5454 |
|    |        |   |     |     |   | 5597                  | 5528 | 5532 | 5448 | 5656 |
|    |        |   |     |     |   | 5647                  | 5479 | 5599 | 5567 | 5609 |
|    |        |   |     |     |   | 5379                  | 5488 | 5415 | 5464 | 5534 |
|    |        |   |     |     |   | 5397                  | 5287 | 5458 | 5311 | 5429 |
|    |        |   |     |     |   | 5539                  | 5491 | 5606 | 5683 | 5405 |
|    |        |   |     |     |   | 5690                  | 5653 | 5720 | 5274 | 5328 |
|    |        |   |     |     |   | 5299                  | 5436 | 5263 | 5431 | 5371 |
|    |        |   |     |     |   | 5604                  | 5316 | 5607 | 5615 | 5373 |
|    |        |   |     |     |   | (number of hits: 29 ) |      |      |      |      |
| 11 | 5570.0 | 9 | 1.0 | 333 | 1 | 5558                  | 5323 | 5719 | 5591 | 5368 |
|    |        |   |     |     |   | 5694                  | 5637 | 5476 | 5532 | 5528 |
|    |        |   |     |     |   | 5456                  | 5354 | 5585 | 5301 | 5530 |
|    |        |   |     |     |   | 5262                  | 5450 | 5625 | 5691 | 5417 |
|    |        |   |     |     |   | 5706                  | 5415 | 5294 | 5377 | 5685 |
|    |        |   |     |     |   | 5254                  | 5302 | 5258 | 5677 | 5600 |
|    |        |   |     |     |   | 5384                  | 5487 | 5429 | 5382 | 5652 |
|    |        |   |     |     |   | 5256                  | 5263 | 5717 | 5306 | 5408 |
|    |        |   |     |     |   | 5290                  | 5665 | 5548 | 5460 | 5555 |
|    |        |   |     |     |   | 5286                  | 5401 | 5393 | 5592 | 5675 |
|    |        |   |     |     |   | 5464                  | 5690 | 5250 | 5406 | 5577 |
|    |        |   |     |     |   | 5520                  | 5601 | 5479 | 5305 | 5642 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5293                  | 5698 | 5404 | 5633 | 5400 |
|    |        |   |     |     |   | 5611                  | 5434 | 5270 | 5431 | 5452 |
|    |        |   |     |     |   | 5682                  | 5569 | 5383 | 5318 | 5661 |
|    |        |   |     |     |   | 5379                  | 5338 | 5576 | 5643 | 5291 |
|    |        |   |     |     |   | 5390                  | 5511 | 5629 | 5536 | 5707 |
|    |        |   |     |     |   | 5253                  | 5489 | 5724 | 5627 | 5271 |
|    |        |   |     |     |   | 5607                  | 5590 | 5695 | 5539 | 5411 |
|    |        |   |     |     |   | 5388                  | 5606 | 5523 | 5546 | 5355 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 12 | 5570.0 | 9 | 1.0 | 333 | 1 | 5338                  | 5562 | 5655 | 5277 | 5588 |
|    |        |   |     |     |   | 5358                  | 5659 | 5551 | 5695 | 5260 |
|    |        |   |     |     |   | 5387                  | 5618 | 5626 | 5399 | 5253 |
|    |        |   |     |     |   | 5577                  | 5261 | 5609 | 5617 | 5581 |
|    |        |   |     |     |   | 5397                  | 5286 | 5350 | 5573 | 5678 |
|    |        |   |     |     |   | 5365                  | 5521 | 5336 | 5300 | 5566 |
|    |        |   |     |     |   | 5557                  | 5270 | 5633 | 5307 | 5568 |
|    |        |   |     |     |   | 5473                  | 5448 | 5506 | 5652 | 5259 |
|    |        |   |     |     |   | 5325                  | 5719 | 5648 | 5287 | 5594 |
|    |        |   |     |     |   | 5528                  | 5615 | 5518 | 5511 | 5487 |
|    |        |   |     |     |   | 5582                  | 5462 | 5452 | 5482 | 5415 |
|    |        |   |     |     |   | 5619                  | 5362 | 5405 | 5544 | 5377 |
|    |        |   |     |     |   | 5706                  | 5685 | 5546 | 5311 | 5703 |
|    |        |   |     |     |   | 5591                  | 5507 | 5354 | 5530 | 5682 |
|    |        |   |     |     |   | 5705                  | 5500 | 5460 | 5410 | 5704 |
|    |        |   |     |     |   | 5400                  | 5572 | 5550 | 5635 | 5331 |
|    |        |   |     |     |   | 5442                  | 5543 | 5401 | 5296 | 5433 |
|    |        |   |     |     |   | 5351                  | 5455 | 5607 | 5441 | 5284 |
|    |        |   |     |     |   | 5449                  | 5701 | 5713 | 5274 | 5407 |
|    |        |   |     |     |   | 5255                  | 5505 | 5569 | 5323 | 5262 |
|    |        |   |     |     |   | (Number of hits: 36 ) |      |      |      |      |
| 13 | 5570.0 | 9 | 1.0 | 333 | 1 | 5593                  | 5326 | 5591 | 5438 | 5430 |
|    |        |   |     |     |   | 5400                  | 5584 | 5626 | 5383 | 5467 |
|    |        |   |     |     |   | 5318                  | 5407 | 5667 | 5594 | 5572 |
|    |        |   |     |     |   | 5341                  | 5704 | 5356 | 5306 | 5625 |
|    |        |   |     |     |   | 5650                  | 5338 | 5375 | 5323 | 5364 |
|    |        |   |     |     |   | 5530                  | 5568 | 5370 | 5342 | 5552 |
|    |        |   |     |     |   | 5514                  | 5485 | 5310 | 5602 | 5707 |
|    |        |   |     |     |   | 5564                  | 5659 | 5663 | 5573 | 5408 |
|    |        |   |     |     |   | 5657                  | 5413 | 5284 | 5523 | 5508 |
|    |        |   |     |     |   | 5698                  | 5576 | 5277 | 5361 | 5638 |
|    |        |   |     |     |   | 5503                  | 5668 | 5713 | 5466 | 5365 |
|    |        |   |     |     |   | 5316                  | 5595 | 5363 | 5348 | 5360 |
|    |        |   |     |     |   | 5491                  | 5618 | 5529 | 5534 | 5317 |
|    |        |   |     |     |   | 5456                  | 5390 | 5265 | 5372 | 5399 |
|    |        |   |     |     |   | 5589                  | 5309 | 5386 | 5369 | 5692 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5396                  | 5531 | 5412 | 5441 | 5464 |
|    |        |   |     |     |   | 5614                  | 5546 | 5314 | 5550 | 5475 |
|    |        |   |     |     |   | 5395                  | 5532 | 5647 | 5391 | 5719 |
|    |        |   |     |     |   | 5699                  | 5631 | 5521 | 5262 | 5336 |
|    |        |   |     |     |   | 5403                  | 5451 | 5329 | 5460 | 5504 |
|    |        |   |     |     |   | (number of hits: 32 ) |      |      |      |      |
| 14 | 5570.0 | 9 | 1.0 | 333 | 1 | 5276                  | 5565 | 5527 | 5502 | 5650 |
|    |        |   |     |     |   | 5442                  | 5606 | 5701 | 5546 | 5296 |
|    |        |   |     |     |   | 5627                  | 5671 | 5708 | 5314 | 5593 |
|    |        |   |     |     |   | 5429                  | 5259 | 5459 | 5254 | 5518 |
|    |        |   |     |     |   | 5633                  | 5341 | 5376 | 5367 | 5252 |
|    |        |   |     |     |   | 5479                  | 5404 | 5481 | 5441 | 5471 |
|    |        |   |     |     |   | 5603                  | 5559 | 5325 | 5371 | 5655 |
|    |        |   |     |     |   | 5612                  | 5337 | 5577 | 5412 | 5588 |
|    |        |   |     |     |   | 5595                  | 5653 | 5281 | 5355 | 5488 |
|    |        |   |     |     |   | 5306                  | 5537 | 5617 | 5639 | 5712 |
|    |        |   |     |     |   | 5339                  | 5554 | 5282 | 5536 | 5410 |
|    |        |   |     |     |   | 5553                  | 5270 | 5310 | 5560 | 5319 |
|    |        |   |     |     |   | 5489                  | 5540 | 5533 | 5450 | 5615 |
|    |        |   |     |     |   | 5405                  | 5426 | 5572 | 5264 | 5288 |
|    |        |   |     |     |   | 5575                  | 5362 | 5622 | 5716 | 5539 |
|    |        |   |     |     |   | 5512                  | 5664 | 5454 | 5299 | 5611 |
|    |        |   |     |     |   | 5686                  | 5449 | 5689 | 5374 | 5267 |
|    |        |   |     |     |   | 5440                  | 5446 | 5305 | 5370 | 5556 |
|    |        |   |     |     |   | 5250                  | 5258 | 5513 | 5538 | 5317 |
|    |        |   |     |     |   | 5320                  | 5301 | 5430 | 5432 | 5280 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 15 | 5570.0 | 9 | 1.0 | 333 | 1 | 5531                  | 5329 | 5463 | 5663 | 5492 |
|    |        |   |     |     |   | 5484                  | 5301 | 5612 | 5503 | 5558 |
|    |        |   |     |     |   | 5557                  | 5274 | 5509 | 5614 | 5517 |
|    |        |   |     |     |   | 5386                  | 5465 | 5299 | 5710 | 5544 |
|    |        |   |     |     |   | 5507                  | 5317 | 5456 | 5269 | 5615 |
|    |        |   |     |     |   | 5331                  | 5499 | 5455 | 5341 | 5523 |
|    |        |   |     |     |   | 5330                  | 5428 | 5343 | 5711 | 5620 |
|    |        |   |     |     |   | 5413                  | 5271 | 5408 | 5587 | 5491 |
|    |        |   |     |     |   | 5251                  | 5671 | 5436 | 5321 | 5278 |
|    |        |   |     |     |   | 5284                  | 5468 | 5389 | 5595 | 5670 |
|    |        |   |     |     |   | 5429                  | 5588 | 5515 | 5605 | 5371 |
|    |        |   |     |     |   | 5262                  | 5257 | 5266 | 5602 | 5500 |
|    |        |   |     |     |   | 5379                  | 5668 | 5521 | 5705 | 5478 |
|    |        |   |     |     |   | 5354                  | 5365 | 5307 | 5534 | 5566 |
|    |        |   |     |     |   | 5640                  | 5561 | 5606 | 5385 | 5716 |
|    |        |   |     |     |   | 5581                  | 5685 | 5360 | 5585 | 5493 |
|    |        |   |     |     |   | 5344                  | 5564 | 5260 | 5687 | 5608 |
|    |        |   |     |     |   | 5352                  | 5337 | 5459 | 5308 | 5400 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5553                  | 5665 | 5721 | 5353 | 5298 |
|    |        |   |     |     |   | 5555                  | 5372 | 5304 | 5296 | 5312 |
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 16 | 5570.0 | 9 | 1.0 | 333 | 1 | 5311                  | 5568 | 5399 | 5349 | 5712 |
|    |        |   |     |     |   | 5623                  | 5553 | 5376 | 5300 | 5710 |
|    |        |   |     |     |   | 5392                  | 5346 | 5315 | 5704 | 5635 |
|    |        |   |     |     |   | 5508                  | 5513 | 5344 | 5427 | 5552 |
|    |        |   |     |     |   | 5576                  | 5258 | 5448 | 5717 | 5406 |
|    |        |   |     |     |   | 5658                  | 5605 | 5559 | 5375 | 5565 |
|    |        |   |     |     |   | 5316                  | 5385 | 5558 | 5485 | 5343 |
|    |        |   |     |     |   | 5459                  | 5301 | 5265 | 5502 | 5279 |
|    |        |   |     |     |   | 5374                  | 5561 | 5275 | 5591 | 5472 |
|    |        |   |     |     |   | 5653                  | 5723 | 5464 | 5691 | 5656 |
|    |        |   |     |     |   | 5460                  | 5560 | 5676 | 5357 | 5556 |
|    |        |   |     |     |   | 5690                  | 5673 | 5639 | 5650 | 5395 |
|    |        |   |     |     |   | 5423                  | 5686 | 5579 | 5469 | 5542 |
|    |        |   |     |     |   | 5303                  | 5401 | 5614 | 5329 | 5272 |
|    |        |   |     |     |   | 5547                  | 5609 | 5709 | 5692 | 5540 |
|    |        |   |     |     |   | 5557                  | 5480 | 5253 | 5474 | 5596 |
|    |        |   |     |     |   | 5674                  | 5516 | 5627 | 5698 | 5352 |
|    |        |   |     |     |   | 5470                  | 5397 | 5554 | 5273 | 5354 |
|    |        |   |     |     |   | 5388                  | 5411 | 5359 | 5655 | 5600 |
|    |        |   |     |     |   | 5572                  | 5669 | 5291 | 5638 | 5487 |
|    |        |   |     |     |   | (number of hits: 32 ) |      |      |      |      |
| 17 | 5570.0 | 9 | 1.0 | 333 | 1 | 5566                  | 5332 | 5335 | 5510 | 5554 |
|    |        |   |     |     |   | 5665                  | 5478 | 5451 | 5463 | 5539 |
|    |        |   |     |     |   | 5323                  | 5610 | 5453 | 5327 | 5656 |
|    |        |   |     |     |   | 5596                  | 5640 | 5671 | 5389 | 5716 |
|    |        |   |     |     |   | 5560                  | 5267 | 5296 | 5537 | 5690 |
|    |        |   |     |     |   | 5294                  | 5607 | 5333 | 5663 | 5409 |
|    |        |   |     |     |   | 5704                  | 5680 | 5342 | 5298 | 5637 |
|    |        |   |     |     |   | 5638                  | 5691 | 5550 | 5572 | 5418 |
|    |        |   |     |     |   | 5416                  | 5501 | 5362 | 5312 | 5326 |
|    |        |   |     |     |   | 5369                  | 5520 | 5428 | 5555 | 5614 |
|    |        |   |     |     |   | 5301                  | 5581 | 5718 | 5392 | 5707 |
|    |        |   |     |     |   | 5646                  | 5383 | 5523 | 5545 | 5405 |
|    |        |   |     |     |   | 5492                  | 5304 | 5368 | 5518 | 5502 |
|    |        |   |     |     |   | 5415                  | 5365 | 5252 | 5437 | 5349 |
|    |        |   |     |     |   | 5696                  | 5309 | 5630 | 5709 | 5558 |
|    |        |   |     |     |   | 5668                  | 5499 | 5526 | 5600 | 5299 |
|    |        |   |     |     |   | 5455                  | 5373 | 5687 | 5297 | 5316 |
|    |        |   |     |     |   | 5338                  | 5505 | 5255 | 5360 | 5271 |
|    |        |   |     |     |   | 5616                  | 5477 | 5683 | 5576 | 5263 |
|    |        |   |     |     |   | 5440                  | 5686 | 5482 | 5567 | 5270 |
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 18 | 5570.0 | 9 | 1.0 | 333 | 1 | 5724                  | 5571 | 5271 | 5671 | 5299 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5707                  | 5500 | 5526 | 5626 | 5254 |
|    |        |   |     |     |   | 5399                  | 5494 | 5522 | 5677 | 5684 |
|    |        |   |     |     |   | 5292                  | 5337 | 5433 | 5471 | 5336 |
|    |        |   |     |     |   | 5712                  | 5529 | 5663 | 5560 | 5459 |
|    |        |   |     |     |   | 5536                  | 5443 | 5666 | 5416 | 5411 |
|    |        |   |     |     |   | 5361                  | 5258 | 5641 | 5368 | 5668 |
|    |        |   |     |     |   | 5330                  | 5340 | 5542 | 5250 | 5469 |
|    |        |   |     |     |   | 5366                  | 5449 | 5311 | 5638 | 5672 |
|    |        |   |     |     |   | 5257                  | 5468 | 5594 | 5568 | 5283 |
|    |        |   |     |     |   | 5260                  | 5681 | 5467 | 5464 | 5498 |
|    |        |   |     |     |   | 5689                  | 5484 | 5410 | 5350 | 5328 |
|    |        |   |     |     |   | 5458                  | 5566 | 5676 | 5376 | 5656 |
|    |        |   |     |     |   | 5491                  | 5353 | 5478 | 5616 | 5310 |
|    |        |   |     |     |   | 5644                  | 5398 | 5720 | 5442 | 5436 |
|    |        |   |     |     |   | 5625                  | 5322 | 5553 | 5383 | 5502 |
|    |        |   |     |     |   | 5613                  | 5633 | 5629 | 5420 | 5581 |
|    |        |   |     |     |   | 5359                  | 5406 | 5266 | 5371 | 5675 |
|    |        |   |     |     |   | 5721                  | 5703 | 5537 | 5465 | 5627 |
|    |        |   |     |     |   | 5369                  | 5694 | 5407 | 5447 | 5316 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 19 | 5570.0 | 9 | 1.0 | 333 | 1 | 5504                  | 5335 | 5682 | 5357 | 5519 |
|    |        |   |     |     |   | 5371                  | 5425 | 5601 | 5692 | 5478 |
|    |        |   |     |     |   | 5563                  | 5663 | 5535 | 5717 | 5698 |
|    |        |   |     |     |   | 5297                  | 5322 | 5402 | 5382 | 5625 |
|    |        |   |     |     |   | 5479                  | 5502 | 5653 | 5618 | 5636 |
|    |        |   |     |     |   | 5448                  | 5408 | 5264 | 5493 | 5477 |
|    |        |   |     |     |   | 5313                  | 5555 | 5256 | 5631 | 5656 |
|    |        |   |     |     |   | 5397                  | 5257 | 5261 | 5346 | 5341 |
|    |        |   |     |     |   | 5654                  | 5709 | 5363 | 5281 | 5291 |
|    |        |   |     |     |   | 5721                  | 5255 | 5310 | 5258 | 5470 |
|    |        |   |     |     |   | 5269                  | 5334 | 5349 | 5407 | 5314 |
|    |        |   |     |     |   | 5446                  | 5418 | 5688 | 5508 | 5455 |
|    |        |   |     |     |   | 5562                  | 5415 | 5355 | 5279 | 5629 |
|    |        |   |     |     |   | 5404                  | 5389 | 5412 | 5488 | 5383 |
|    |        |   |     |     |   | 5550                  | 5602 | 5337 | 5634 | 5620 |
|    |        |   |     |     |   | 5417                  | 5367 | 5365 | 5432 | 5547 |
|    |        |   |     |     |   | 5561                  | 5499 | 5430 | 5633 | 5568 |
|    |        |   |     |     |   | 5558                  | 5449 | 5410 | 5498 | 5701 |
|    |        |   |     |     |   | 5431                  | 5377 | 5679 | 5720 | 5592 |
|    |        |   |     |     |   | 5434                  | 5606 | 5472 | 5405 | 5648 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 20 | 5570.0 | 9 | 1.0 | 333 | 1 | 5284                  | 5574 | 5618 | 5518 | 5361 |
|    |        |   |     |     |   | 5413                  | 5447 | 5676 | 5380 | 5307 |
|    |        |   |     |     |   | 5494                  | 5452 | 5576 | 5437 | 5719 |
|    |        |   |     |     |   | 5288                  | 5449 | 5408 | 5427 | 5342 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5487                  | 5571 | 5691 | 5610 | 5609 |
|    |        |   |     |     |   | 5714                  | 5260 | 5467 | 5597 | 5511 |
|    |        |   |     |     |   | 5444                  | 5688 | 5371 | 5337 | 5476 |
|    |        |   |     |     |   | 5536                  | 5348 | 5532 | 5499 | 5255 |
|    |        |   |     |     |   | 5493                  | 5708 | 5601 | 5474 | 5360 |
|    |        |   |     |     |   | 5685                  | 5271 | 5329 | 5363 | 5620 |
|    |        |   |     |     |   | 5346                  | 5445 | 5385 | 5438 | 5705 |
|    |        |   |     |     |   | 5258                  | 5634 | 5372 | 5403 | 5327 |
|    |        |   |     |     |   | 5426                  | 5594 | 5580 | 5300 | 5586 |
|    |        |   |     |     |   | 5552                  | 5350 | 5590 | 5351 | 5698 |
|    |        |   |     |     |   | 5653                  | 5434 | 5340 | 5483 | 5596 |
|    |        |   |     |     |   | 5376                  | 5388 | 5631 | 5495 | 5557 |
|    |        |   |     |     |   | 5711                  | 5624 | 5496 | 5625 | 5410 |
|    |        |   |     |     |   | 5443                  | 5275 | 5414 | 5364 | 5424 |
|    |        |   |     |     |   | 5480                  | 5646 | 5464 | 5262 | 5647 |
|    |        |   |     |     |   | 5418                  | 5261 | 5488 | 5575 | 5615 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 21 | 5570.0 | 9 | 1.0 | 333 | 1 | 5539                  | 5338 | 5554 | 5582 | 5581 |
|    |        |   |     |     |   | 5455                  | 5372 | 5276 | 5543 | 5514 |
|    |        |   |     |     |   | 5425                  | 5617 | 5535 | 5265 | 5376 |
|    |        |   |     |     |   | 5576                  | 5511 | 5375 | 5534 | 5398 |
|    |        |   |     |     |   | 5262                  | 5632 | 5699 | 5602 | 5587 |
|    |        |   |     |     |   | 5670                  | 5701 | 5545 | 5494 | 5430 |
|    |        |   |     |     |   | 5645                  | 5586 | 5489 | 5674 | 5675 |
|    |        |   |     |     |   | 5536                  | 5328 | 5274 | 5644 | 5332 |
|    |        |   |     |     |   | 5413                  | 5714 | 5357 | 5517 | 5251 |
|    |        |   |     |     |   | 5412                  | 5416 | 5410 | 5600 | 5524 |
|    |        |   |     |     |   | 5436                  | 5527 | 5528 | 5580 | 5347 |
|    |        |   |     |     |   | 5326                  | 5593 | 5397 | 5723 | 5270 |
|    |        |   |     |     |   | 5720                  | 5418 | 5378 | 5393 | 5523 |
|    |        |   |     |     |   | 5387                  | 5530 | 5448 | 5615 | 5316 |
|    |        |   |     |     |   | 5671                  | 5440 | 5475 | 5335 | 5683 |
|    |        |   |     |     |   | 5508                  | 5299 | 5476 | 5334 | 5555 |
|    |        |   |     |     |   | 5371                  | 5400 | 5687 | 5493 | 5345 |
|    |        |   |     |     |   | 5439                  | 5349 | 5406 | 5370 | 5282 |
|    |        |   |     |     |   | 5415                  | 5519 | 5719 | 5286 | 5486 |
|    |        |   |     |     |   | 5680                  | 5346 | 5279 | 5702 | 5402 |
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 22 | 5570.0 | 9 | 1.0 | 333 | 1 | 5319                  | 5577 | 5490 | 5268 | 5423 |
|    |        |   |     |     |   | 5497                  | 5394 | 5351 | 5706 | 5721 |
|    |        |   |     |     |   | 5259                  | 5602 | 5658 | 5255 | 5286 |
|    |        |   |     |     |   | 5464                  | 5703 | 5614 | 5420 | 5251 |
|    |        |   |     |     |   | 5406                  | 5331 | 5573 | 5691 | 5555 |
|    |        |   |     |     |   | 5536                  | 5301 | 5330 | 5579 | 5704 |
|    |        |   |     |     |   | 5263                  | 5494 | 5717 | 5627 | 5599 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5427                 | 5655 | 5496 | 5477 | 5382 |
|    |        |   |     |     |   | 5451                 | 5446 | 5495 | 5332 | 5469 |
|    |        |   |     |     |   | 5297                 | 5476 | 5700 | 5487 | 5713 |
|    |        |   |     |     |   | 5524                 | 5535 | 5280 | 5308 | 5343 |
|    |        |   |     |     |   | 5271                 | 5377 | 5532 | 5287 | 5250 |
|    |        |   |     |     |   | 5679                 | 5339 | 5472 | 5265 | 5340 |
|    |        |   |     |     |   | 5418                 | 5485 | 5657 | 5443 | 5656 |
|    |        |   |     |     |   | 5294                 | 5652 | 5628 | 5345 | 5457 |
|    |        |   |     |     |   | 5586                 | 5665 | 5467 | 5372 | 5540 |
|    |        |   |     |     |   | 5439                 | 5666 | 5369 | 5562 | 5722 |
|    |        |   |     |     |   | 5292                 | 5442 | 5492 | 5617 | 5606 |
|    |        |   |     |     |   | 5585                 | 5393 | 5282 | 5483 | 5629 |
|    |        |   |     |     |   | 5349                 | 5306 | 5633 | 5690 | 5334 |
|    |        |   |     |     |   | (number of hits: 25) |      |      |      |      |
| 23 | 5570.0 | 9 | 1.0 | 333 | 1 | 5477                 | 5341 | 5426 | 5429 | 5643 |
|    |        |   |     |     |   | 5636                 | 5319 | 5297 | 5453 | 5665 |
|    |        |   |     |     |   | 5391                 | 5699 | 5450 | 5307 | 5552 |
|    |        |   |     |     |   | 5355                 | 5717 | 5465 | 5443 | 5414 |
|    |        |   |     |     |   | 5497                 | 5514 | 5305 | 5528 | 5281 |
|    |        |   |     |     |   | 5388                 | 5504 | 5434 | 5613 | 5578 |
|    |        |   |     |     |   | 5683                 | 5559 | 5444 | 5415 | 5692 |
|    |        |   |     |     |   | 5381                 | 5718 | 5492 | 5580 | 5569 |
|    |        |   |     |     |   | 5582                 | 5579 | 5318 | 5622 | 5448 |
|    |        |   |     |     |   | 5375                 | 5686 | 5293 | 5522 | 5562 |
|    |        |   |     |     |   | 5352                 | 5401 | 5538 | 5327 | 5371 |
|    |        |   |     |     |   | 5626                 | 5709 | 5498 | 5637 | 5506 |
|    |        |   |     |     |   | 5697                 | 5707 | 5557 | 5602 | 5285 |
|    |        |   |     |     |   | 5340                 | 5421 | 5362 | 5572 | 5610 |
|    |        |   |     |     |   | 5696                 | 5543 | 5408 | 5427 | 5253 |
|    |        |   |     |     |   | 5524                 | 5273 | 5488 | 5438 | 5363 |
|    |        |   |     |     |   | 5678                 | 5631 | 5435 | 5390 | 5260 |
|    |        |   |     |     |   | 5342                 | 5508 | 5279 | 5590 | 5420 |
|    |        |   |     |     |   | 5262                 | 5616 | 5651 | 5694 | 5410 |
|    |        |   |     |     |   | 5337                 | 5467 | 5527 | 5328 | 5409 |
|    |        |   |     |     |   | (number of hits: 33) |      |      |      |      |
| 24 | 5570.0 | 9 | 1.0 | 333 | 1 | 5257                 | 5580 | 5362 | 5590 | 5485 |
|    |        |   |     |     |   | 5678                 | 5341 | 5501 | 5460 | 5282 |
|    |        |   |     |     |   | 5499                 | 5655 | 5265 | 5645 | 5328 |
|    |        |   |     |     |   | 5543                 | 5385 | 5345 | 5510 | 5325 |
|    |        |   |     |     |   | 5566                 | 5552 | 5297 | 5644 | 5337 |
|    |        |   |     |     |   | 5707                 | 5635 | 5647 | 5717 | 5669 |
|    |        |   |     |     |   | 5516                 | 5659 | 5664 | 5512 | 5520 |
|    |        |   |     |     |   | 5334                 | 5288 | 5355 | 5483 | 5421 |
|    |        |   |     |     |   | 5662                 | 5256 | 5387 | 5445 | 5682 |
|    |        |   |     |     |   | 5569                 | 5661 | 5351 | 5478 | 5449 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5606                  | 5577 | 5589 | 5416 | 5375 |
|    |        |   |     |     |   | 5315                  | 5339 | 5663 | 5688 | 5456 |
|    |        |   |     |     |   | 5652                  | 5486 | 5428 | 5706 | 5638 |
|    |        |   |     |     |   | 5370                  | 5398 | 5307 | 5502 | 5251 |
|    |        |   |     |     |   | 5546                  | 5403 | 5687 | 5493 | 5296 |
|    |        |   |     |     |   | 5534                  | 5419 | 5615 | 5313 | 5320 |
|    |        |   |     |     |   | 5498                  | 5720 | 5447 | 5392 | 5374 |
|    |        |   |     |     |   | 5555                  | 5691 | 5306 | 5601 | 5588 |
|    |        |   |     |     |   | 5427                  | 5451 | 5425 | 5685 | 5651 |
|    |        |   |     |     |   | 5308                  | 5283 | 5701 | 5410 | 5404 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 25 | 5570.0 | 9 | 1.0 | 333 | 1 | 5512                  | 5441 | 5298 | 5276 | 5705 |
|    |        |   |     |     |   | 5720                  | 5363 | 5576 | 5623 | 5489 |
|    |        |   |     |     |   | 5430                  | 5444 | 5403 | 5365 | 5349 |
|    |        |   |     |     |   | 5631                  | 5351 | 5458 | 5449 | 5333 |
|    |        |   |     |     |   | 5257                  | 5493 | 5386 | 5474 | 5435 |
|    |        |   |     |     |   | 5664                  | 5264 | 5681 | 5284 | 5558 |
|    |        |   |     |     |   | 5473                  | 5399 | 5341 | 5710 | 5562 |
|    |        |   |     |     |   | 5425                  | 5559 | 5508 | 5494 | 5260 |
|    |        |   |     |     |   | 5367                  | 5669 | 5627 | 5442 | 5611 |
|    |        |   |     |     |   | 5549                  | 5269 | 5409 | 5531 | 5714 |
|    |        |   |     |     |   | 5482                  | 5278 | 5640 | 5505 | 5673 |
|    |        |   |     |     |   | 5637                  | 5527 | 5617 | 5306 | 5653 |
|    |        |   |     |     |   | 5659                  | 5289 | 5552 | 5694 | 5318 |
|    |        |   |     |     |   | 5274                  | 5364 | 5319 | 5337 | 5614 |
|    |        |   |     |     |   | 5297                  | 5302 | 5323 | 5712 | 5581 |
|    |        |   |     |     |   | 5379                  | 5646 | 5416 | 5677 | 5400 |
|    |        |   |     |     |   | 5392                  | 5326 | 5445 | 5484 | 5658 |
|    |        |   |     |     |   | 5384                  | 5272 | 5452 | 5566 | 5423 |
|    |        |   |     |     |   | 5464                  | 5280 | 5471 | 5607 | 5622 |
|    |        |   |     |     |   | 5630                  | 5340 | 5447 | 5532 | 5615 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 26 | 5570.0 | 9 | 1.0 | 333 | 1 | 5292                  | 5680 | 5709 | 5437 | 5547 |
|    |        |   |     |     |   | 5287                  | 5288 | 5651 | 5311 | 5696 |
|    |        |   |     |     |   | 5361                  | 5330 | 5444 | 5463 | 5370 |
|    |        |   |     |     |   | 5719                  | 5639 | 5454 | 5503 | 5641 |
|    |        |   |     |     |   | 5341                  | 5423 | 5434 | 5378 | 5447 |
|    |        |   |     |     |   | 5323                  | 5516 | 5638 | 5368 | 5715 |
|    |        |   |     |     |   | 5326                  | 5430 | 5517 | 5590 | 5530 |
|    |        |   |     |     |   | 5701                  | 5452 | 5661 | 5408 | 5671 |
|    |        |   |     |     |   | 5450                  | 5607 | 5295 | 5439 | 5443 |
|    |        |   |     |     |   | 5529                  | 5352 | 5584 | 5601 | 5358 |
|    |        |   |     |     |   | 5691                  | 5496 | 5581 | 5571 | 5472 |
|    |        |   |     |     |   | 5533                  | 5321 | 5717 | 5625 | 5652 |
|    |        |   |     |     |   | 5695                  | 5662 | 5268 | 5373 | 5349 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5567                  | 5483 | 5395 | 5698 | 5649 |
|    |        |   |     |     |   | 5258                  | 5605 | 5334 | 5536 | 5723 |
|    |        |   |     |     |   | 5381                  | 5436 | 5551 | 5721 | 5467 |
|    |        |   |     |     |   | 5623                  | 5606 | 5415 | 5388 | 5379 |
|    |        |   |     |     |   | 5712                  | 5478 | 5636 | 5613 | 5656 |
|    |        |   |     |     |   | 5512                  | 5449 | 5558 | 5502 | 5546 |
|    |        |   |     |     |   | 5718                  | 5572 | 5498 | 5707 | 5509 |
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 27 | 5570.0 | 9 | 1.0 | 333 | 1 | 5450                  | 5444 | 5645 | 5598 | 5292 |
|    |        |   |     |     |   | 5426                  | 5310 | 5251 | 5377 | 5525 |
|    |        |   |     |     |   | 5670                  | 5594 | 5485 | 5658 | 5391 |
|    |        |   |     |     |   | 5332                  | 5291 | 5557 | 5548 | 5358 |
|    |        |   |     |     |   | 5252                  | 5492 | 5472 | 5467 | 5420 |
|    |        |   |     |     |   | 5589                  | 5465 | 5269 | 5274 | 5433 |
|    |        |   |     |     |   | 5387                  | 5257 | 5267 | 5350 | 5365 |
|    |        |   |     |     |   | 5704                  | 5723 | 5339 | 5322 | 5510 |
|    |        |   |     |     |   | 5533                  | 5545 | 5535 | 5372 | 5509 |
|    |        |   |     |     |   | 5435                  | 5428 | 5637 | 5709 | 5630 |
|    |        |   |     |     |   | 5305                  | 5697 | 5686 | 5504 | 5407 |
|    |        |   |     |     |   | 5584                  | 5457 | 5478 | 5641 | 5388 |
|    |        |   |     |     |   | 5692                  | 5409 | 5656 | 5459 | 5286 |
|    |        |   |     |     |   | 5564                  | 5684 | 5652 | 5657 | 5681 |
|    |        |   |     |     |   | 5362                  | 5324 | 5546 | 5482 | 5715 |
|    |        |   |     |     |   | 5309                  | 5378 | 5662 | 5526 | 5475 |
|    |        |   |     |     |   | 5256                  | 5430 | 5676 | 5326 | 5619 |
|    |        |   |     |     |   | 5593                  | 5297 | 5461 | 5575 | 5500 |
|    |        |   |     |     |   | 5691                  | 5346 | 5392 | 5496 | 5255 |
|    |        |   |     |     |   | 5360                  | 5460 | 5338 | 5333 | 5385 |
|    |        |   |     |     |   | (number of hits: 25 ) |      |      |      |      |
| 28 | 5570.0 | 9 | 1.0 | 333 | 1 | 5705                  | 5683 | 5581 | 5284 | 5609 |
|    |        |   |     |     |   | 5468                  | 5710 | 5326 | 5540 | 5257 |
|    |        |   |     |     |   | 5601                  | 5383 | 5526 | 5378 | 5412 |
|    |        |   |     |     |   | 5323                  | 5418 | 5660 | 5593 | 5550 |
|    |        |   |     |     |   | 5260                  | 5658 | 5413 | 5459 | 5393 |
|    |        |   |     |     |   | 5477                  | 5317 | 5472 | 5673 | 5308 |
|    |        |   |     |     |   | 5507                  | 5322 | 5344 | 5516 | 5548 |
|    |        |   |     |     |   | 5504                  | 5320 | 5519 | 5589 | 5711 |
|    |        |   |     |     |   | 5349                  | 5616 | 5483 | 5300 | 5530 |
|    |        |   |     |     |   | 5301                  | 5489 | 5518 | 5486 | 5690 |
|    |        |   |     |     |   | 5278                  | 5488 | 5331 | 5318 | 5394 |
|    |        |   |     |     |   | 5520                  | 5372 | 5382 | 5401 | 5475 |
|    |        |   |     |     |   | 5579                  | 5572 | 5529 | 5289 | 5684 |
|    |        |   |     |     |   | 5686                  | 5641 | 5348 | 5391 | 5254 |
|    |        |   |     |     |   | 5564                  | 5636 | 5292 | 5277 | 5506 |
|    |        |   |     |     |   | 5685                  | 5523 | 5650 | 5437 | 5343 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5576                  | 5559 | 5263 | 5404 | 5387 |
|    |        |   |     |     |   | 5438                  | 5570 | 5696 | 5384 | 5258 |
|    |        |   |     |     |   | 5496                  | 5491 | 5625 | 5627 | 5654 |
|    |        |   |     |     |   | 5592                  | 5612 | 5449 | 5590 | 5591 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 29 | 5570.0 | 9 | 1.0 | 333 | 1 | 5485                  | 5447 | 5517 | 5348 | 5354 |
|    |        |   |     |     |   | 5510                  | 5257 | 5401 | 5703 | 5464 |
|    |        |   |     |     |   | 5532                  | 5647 | 5567 | 5573 | 5433 |
|    |        |   |     |     |   | 5411                  | 5448 | 5288 | 5541 | 5267 |
|    |        |   |     |     |   | 5268                  | 5252 | 5548 | 5366 | 5365 |
|    |        |   |     |     |   | 5266                  | 5675 | 5302 | 5342 | 5549 |
|    |        |   |     |     |   | 5308                  | 5301 | 5687 | 5668 | 5368 |
|    |        |   |     |     |   | 5546                  | 5315 | 5722 | 5663 | 5321 |
|    |        |   |     |     |   | 5421                  | 5443 | 5527 | 5608 | 5469 |
|    |        |   |     |     |   | 5601                  | 5543 | 5364 | 5507 | 5369 |
|    |        |   |     |     |   | 5483                  | 5343 | 5694 | 5707 | 5336 |
|    |        |   |     |     |   | 5591                  | 5307 | 5446 | 5708 | 5262 |
|    |        |   |     |     |   | 5571                  | 5693 | 5702 | 5630 | 5412 |
|    |        |   |     |     |   | 5590                  | 5384 | 5698 | 5621 | 5367 |
|    |        |   |     |     |   | 5330                  | 5278 | 5280 | 5355 | 5661 |
|    |        |   |     |     |   | 5482                  | 5619 | 5324 | 5580 | 5353 |
|    |        |   |     |     |   | 5669                  | 5519 | 5568 | 5275 | 5674 |
|    |        |   |     |     |   | 5429                  | 5326 | 5498 | 5665 | 5564 |
|    |        |   |     |     |   | 5338                  | 5506 | 5656 | 5253 | 5536 |
|    |        |   |     |     |   | 5679                  | 5609 | 5667 | 5565 | 5487 |
|    |        |   |     |     |   | (number of hits: 29 ) |      |      |      |      |
| 30 | 5570.0 | 9 | 1.0 | 333 | 1 | 5265                  | 5686 | 5453 | 5509 | 5671 |
|    |        |   |     |     |   | 5552                  | 5657 | 5476 | 5391 | 5293 |
|    |        |   |     |     |   | 5366                  | 5436 | 5608 | 5454 | 5499 |
|    |        |   |     |     |   | 5575                  | 5294 | 5586 | 5459 | 5654 |
|    |        |   |     |     |   | 5418                  | 5392 | 5637 | 5339 | 5631 |
|    |        |   |     |     |   | 5593                  | 5403 | 5406 | 5376 | 5688 |
|    |        |   |     |     |   | 5672                  | 5258 | 5330 | 5442 | 5566 |
|    |        |   |     |     |   | 5685                  | 5502 | 5683 | 5420 | 5636 |
|    |        |   |     |     |   | 5404                  | 5359 | 5524 | 5537 | 5449 |
|    |        |   |     |     |   | 5684                  | 5505 | 5321 | 5430 | 5715 |
|    |        |   |     |     |   | 5669                  | 5641 | 5638 | 5290 | 5306 |
|    |        |   |     |     |   | 5601                  | 5320 | 5362 | 5427 | 5516 |
|    |        |   |     |     |   | 5525                  | 5528 | 5576 | 5710 | 5539 |
|    |        |   |     |     |   | 5323                  | 5433 | 5416 | 5645 | 5402 |
|    |        |   |     |     |   | 5264                  | 5380 | 5679 | 5441 | 5491 |
|    |        |   |     |     |   | 5444                  | 5723 | 5605 | 5304 | 5300 |
|    |        |   |     |     |   | 5635                  | 5595 | 5272 | 5394 | 5332 |
|    |        |   |     |     |   | 5643                  | 5461 | 5382 | 5529 | 5389 |
|    |        |   |     |     |   | 5514                  | 5346 | 5259 | 5598 | 5691 |

|  |  |  |  |  |  |      |                      |      |      |      |
|--|--|--|--|--|--|------|----------------------|------|------|------|
|  |  |  |  |  |  | 5722 | 5549                 | 5385 | 5365 | 5655 |
|  |  |  |  |  |  |      | (number of hits: 32) |      |      |      |

**P2P Mode  
Pine Radio****5570 MHz, 160 MHz Bandwidth**

| <b>Radar Signal Type</b>      | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>             | 30                           | 96.7 %               | 60%              | Pass             |
| <b>Type 2</b>                 | 30                           | 93.3 %               | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 93.3 %               | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 93.3 %               | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 94.15 %              | 80%              | Pass             |
| <b>Type 5</b>                 | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                 | 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.*

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 57                 | 1.0  | 938                                | 1                                  |
| 2   | 76                 | 1.0  | 698                                | 1                                  |
| 3   | 86                 | 1.0  | 618                                | 1                                  |
| 4   | 99                 | 1.0  | 538                                | 1                                  |
| 5   | 61                 | 1.0  | 878                                | 1                                  |
| 6   | 18                 | 1.0  | 3066                               | 1                                  |
| 7   | 83                 | 1.0  | 638                                | 1                                  |
| 8   | 58                 | 1.0  | 918                                | 1                                  |
| 9   | 63                 | 1.0  | 838                                | 1                                  |
| 10  | 62                 | 1.0  | 858                                | 1                                  |
| 11  | 67                 | 1.0  | 798                                | 1                                  |
| 12  | 74                 | 1.0  | 718                                | 0                                  |
| 13  | 92                 | 1.0  | 578                                | 1                                  |
| 14  | 89                 | 1.0  | 598                                | 1                                  |
| 15  | 95                 | 1.0  | 558                                | 1                                  |
| 16  | 21                 | 1.0  | 2536                               | 1                                  |
| 17  | 55                 | 1.0  | 966                                | 1                                  |
| 18  | 64                 | 1.0  | 827                                | 1                                  |
| 19  | 22                 | 1.0  | 2501                               | 1                                  |
| 20  | 21                 | 1.0  | 2595                               | 1                                  |
| 21  | 48                 | 1.0  | 1114                               | 1                                  |
| 22  | 41                 | 1.0  | 1302                               | 1                                  |
| 23  | 18                 | 1.0  | 3045                               | 1                                  |
| 24  | 33                 | 1.0  | 1624                               | 1                                  |
| 25  | 19                 | 1.0  | 2878                               | 1                                  |
| 26  | 52                 | 1.0  | 1027                               | 1                                  |
| 27  | 22                 | 1.0  | 2485                               | 1                                  |
| 28  | 33                 | 1.0  | 1600                               | 1                                  |
| 29  | 46                 | 1.0  | 1172                               | 1                                  |
| 30  | 45                 | 1.0  | 1177                               | 1                                  |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-2 Radar Type 2 Statistical Performance**

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

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 26                 | 3.2  | 179                                | 1                                  |
| 2   | 23                 | 1.1  | 207                                | 1                                  |
| 3   | 24                 | 2.1  | 230                                | 1                                  |
| 4   | 29                 | 4.8  | 200                                | 1                                  |
| 5   | 28                 | 3.9  | 214                                | 1                                  |
| 6   | 26                 | 2.9  | 222                                | 1                                  |
| 7   | 26                 | 3.2  | 204                                | 0                                  |
| 8   | 25                 | 2.5  | 192                                | 1                                  |
| 9   | 26                 | 3.1  | 164                                | 1                                  |
| 10  | 23                 | 1.2  | 156                                | 1                                  |
| 11  | 27                 | 3.9  | 210                                | 1                                  |
| 12  | 29                 | 4.6  | 201                                | 1                                  |
| 13  | 26                 | 3.2  | 162                                | 1                                  |
| 14  | 25                 | 2.2  | 197                                | 1                                  |
| 15  | 29                 | 4.5  | 163                                | 1                                  |
| 16  | 26                 | 3  | 203                                | 1                                  |
| 17  | 29                 | 5  | 168                                | 0                                  |
| 18  | 25                 | 2.4  | 217                                | 1                                  |
| 19  | 26                 | 2.9  | 191                                | 1                                  |
| 20  | 25                 | 2.3  | 166                                | 1                                  |
| 21  | 27                 | 3.7  | 150                                | 1                                  |
| 22  | 25                 | 2.2  | 176                                | 1                                  |
| 23  | 29                 | 4.9  | 195                                | 1                                  |
| 24  | 26                 | 2.9  | 202                                | 1                                  |
| 25  | 25                 | 2.5  | 178                                | 1                                  |
| 26  | 23                 | 1.1  | 206                                | 1                                  |
| 27  | 27                 | 3.8  | 155                                | 1                                  |
| 28  | 29                 | 4.7  | 157                                | 1                                  |
| 29  | 25                 | 2.4  | 224                                | 1                                  |
| 30  | 28                 | 4.2  | 159                                | 1                                  |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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          | 8.2              | 355      | 1                       |
| 2   | 16          | 6.1              | 487      | 1                       |
| 3   | 16          | 7.1              | 344      | 1                       |
| 4   | 18          | 9.8              | 288      | 1                       |
| 5   | 18          | 8.9              | 230      | 1                       |
| 6   | 17          | 7.9              | 432      | 1                       |
| 7   | 17          | 8.2              | 207      | 1                       |
| 8   | 17          | 7.5              | 443      | 1                       |
| 9   | 17          | 8.1              | 439      | 1                       |
| 10  | 16          | 6.2              | 223      | 1                       |
| 11  | 18          | 8.9              | 208      | 1                       |
| 12  | 18          | 9.6              | 463      | 1                       |
| 13  | 17          | 8.2              | 441      | 1                       |
| 14  | 16          | 7.2              | 323      | 1                       |
| 15  | 18          | 9.5              | 297      | 0                       |
| 16  | 17          | 8                | 412      | 1                       |
| 17  | 18          | 10               | 324      | 1                       |
| 18  | 17          | 7.4              | 271      | 1                       |
| 19  | 17          | 7.9              | 349      | 1                       |
| 20  | 16          | 7.3              | 409      | 0                       |
| 21  | 18          | 8.7              | 373      | 1                       |
| 22  | 16          | 7.2              | 254      | 1                       |
| 23  | 18          | 9.9              | 274      | 1                       |
| 24  | 17          | 7.9              | 278      | 1                       |
| 25  | 17          | 7.5              | 317      | 1                       |
| 26  | 16          | 6.1              | 260      | 1                       |
| 27  | 18          | 8.8              | 211      | 1                       |
| 28  | 18          | 9.7              | 272      | 1                       |
| 29  | 17          | 7.4              | 264      | 1                       |
| 30  | 18          | 9.2              | 284      | 1                       |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |             |                  |          |                         |

**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   | 14          | 16               | 355      | 1                       |
| 2   | 12          | 11.3             | 487      | 1                       |
| 3   | 13          | 13.5             | 344      | 1                       |
| 4   | 16          | 19.4             | 288      | 1                       |
| 5   | 15          | 17.5             | 230      | 1                       |
| 6   | 14          | 15.3             | 432      | 1                       |
| 7   | 14          | 15.9             | 207      | 1                       |
| 8   | 13          | 14.3             | 443      | 1                       |
| 9   | 14          | 15.8             | 439      | 1                       |
| 10  | 12          | 11.5             | 223      | 1                       |
| 11  | 15          | 17.4             | 208      | 1                       |
| 12  | 16          | 19               | 463      | 1                       |
| 13  | 14          | 16               | 441      | 0                       |
| 14  | 13          | 13.8             | 323      | 1                       |
| 15  | 16          | 18.9             | 297      | 1                       |
| 16  | 14          | 15.5             | 412      | 1                       |
| 17  | 16          | 19.9             | 324      | 0                       |
| 18  | 13          | 14.1             | 271      | 1                       |
| 19  | 14          | 15.2             | 349      | 1                       |
| 20  | 13          | 13.8             | 409      | 1                       |
| 21  | 15          | 17.1             | 373      | 1                       |
| 22  | 13          | 13.8             | 254      | 1                       |
| 23  | 16          | 19.8             | 274      | 1                       |
| 24  | 14          | 15.3             | 278      | 1                       |
| 25  | 13          | 14.5             | 317      | 1                       |
| 26  | 12          | 11.3             | 260      | 1                       |
| 27  | 15          | 17.3             | 211      | 1                       |
| 28  | 16          | 19.2             | 272      | 1                       |
| 29  | 13          | 14.2             | 264      | 1                       |
| 30  | 15          | 18.2             | 284      | 1                       |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5498.0          | 1                              |
| 12   | 5500.0          | 1                              |
| 13   | 5497.0          | 1                              |
| 14   | 5496.0          | 1                              |
| 15   | 5499.0          | 1                              |
| 16   | 5497.0          | 1                              |
| 17   | 5500.0          | 1                              |
| 18   | 5496.0          | 1                              |
| 19   | 5497.0          | 1                              |
| 20   | 5496.0          | 1                              |
| 21   | 5642.0          | 1                              |
| 22   | 5644.0          | 1                              |
| 23   | 5640.0          | 1                              |
| 24   | 5643.0          | 1                              |
| 25   | 5644.0          | 1                              |
| 26   | 5646.0          | 1                              |
| 27   | 5642.0          | 1                              |
| 28   | 5640.0          | 1                              |
| 29   | 5644.0          | 1                              |
| 30   | 5641.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |



## Bin5 Statistics 1

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 636185.0          | 2     | 13          | 77.8             | 1665.0     | 1477.0     | -          | 1                       |
| 1       | 32674.0           | 1     | 13          | 51.9             | 1074.0     | -          | -          |                         |
| 2       | 226294.0          | 1     | 13          | 63.8             | 1584.0     | -          | -          |                         |
| 3       | 417976.0          | 3     | 13          | 96.6             | 1682.0     | 1786.0     | 1843.0     |                         |
| 4       | 611152.0          | 3     | 13          | 85.9             | 1795.0     | 1215.0     | 1729.0     |                         |
| 5       | 8789.0            | 2     | 13          | 73.7             | 1198.0     | 1549.0     | -          |                         |
| 6       | 201917.0          | 2     | 13          | 77.2             | 1837.0     | 1819.0     | -          |                         |
| 7       | 395530.0          | 2     | 13          | 68.4             | 1587.0     | 1114.0     | -          |                         |
| 8       | 588564.0          | 2     | 13          | 76.7             | 2000.0     | 1155.0     | -          |                         |
| 9       | 783794.0          | 1     | 13          | 53.2             | 1147.0     | -          | -          |                         |
| 10      | 177933.0          | 3     | 13          | 85.7             | 1433.0     | 1695.0     | 1394.0     |                         |
| 11      | 370624.0          | 3     | 13          | 94.3             | 1670.0     | 1426.0     | 1935.0     |                         |
| 12      | 564893.0          | 2     | 13          | 77.6             | 1294.0     | 1671.0     | -          |                         |
| 13      | 759583.0          | 1     | 13          | 65.7             | 1512.0     | -          | -          |                         |
| 14      | 154262.0          | 3     | 13          | 93.5             | 1444.0     | 1130.0     | 1468.0     |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 653020.0          | 2     | 5           | 75.0             | 1880.0     | 1527.0     | -          | 1                       |
| 1       | 1015643.0         | 3     | 5           | 99.4             | 1401.0     | 1262.0     | 1257.0     |                         |
| 2       | 1379398.0         | 2     | 5           | 67.4             | 1531.0     | 1403.0     | -          |                         |
| 3       | 245489.0          | 2     | 5           | 73.6             | 1449.0     | 1041.0     | -          |                         |
| 4       | 609113.0          | 1     | 5           | 65.9             | 1432.0     | -          | -          |                         |
| 5       | 970852.0          | 3     | 5           | 83.8             | 1356.0     | 1292.0     | 1419.0     |                         |
| 6       | 1335913.0         | 1     | 5           | 65.5             | 1543.0     | -          | -          |                         |
| 7       | 200406.0          | 3     | 5           | 98.6             | 1548.0     | 1796.0     | 1728.0     |                         |

## Bin5 Statistics 3

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 409565.0          | 2     | 9           | 73.8             | 1806.0     | 1538.0     | -          | 1                       |
| 1       | 673692.0          | 2     | 9           | 69.5             | 1117.0     | 1649.0     | -          |                         |
| 2       | 938562.0          | 1     | 9           | 51.9             | 1651.0     | -          | -          |                         |
| 3       | 113209.0          | 3     | 9           | 84.6             | 1976.0     | 1032.0     | 1271.0     |                         |
| 4       | 376726.0          | 3     | 9           | 95.4             | 1060.0     | 1903.0     | 1388.0     |                         |
| 5       | 641212.0          | 2     | 9           | 68.0             | 1368.0     | 1351.0     | -          |                         |
| 6       | 903714.0          | 3     | 9           | 89.6             | 1338.0     | 1514.0     | 1573.0     |                         |
| 7       | 80863.0           | 2     | 9           | 81.9             | 1022.0     | 1689.0     | -          |                         |
| 8       | 344067.0          | 3     | 9           | 88.3             | 1810.0     | 1330.0     | 1838.0     |                         |
| 9       | 609331.0          | 1     | 9           | 53.7             | 1597.0     | -          | -          |                         |
| 10      | 871542.0          | 3     | 9           | 91.3             | 1961.0     | 1106.0     | 1001.0     |                         |

## Bin5 Statistics 4

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 26541.0           | 2     | 19          | 68.1             | 1339.0     | 1355.0     | -          | 1                       |
| 1       | 171821.0          | 1     | 19          | 58.7             | 1251.0     | -          | -          |                         |
| 2       | 316229.0          | 2     | 19          | 75.3             | 1136.0     | 1640.0     | -          |                         |
| 3       | 461864.0          | 1     | 19          | 56.4             | 1753.0     | -          | -          |                         |
| 4       | 8677.0            | 3     | 19          | 99.7             | 1196.0     | 1708.0     | 1159.0     |                         |
| 5       | 153995.0          | 1     | 19          | 57.7             | 1013.0     | -          | -          |                         |
| 6       | 299238.0          | 1     | 19          | 59.5             | 1072.0     | -          | -          |                         |
| 7       | 443177.0          | 2     | 19          | 80.0             | 1482.0     | 1369.0     | -          |                         |
| 8       | 587671.0          | 2     | 19          | 82.0             | 1993.0     | 1197.0     | -          |                         |
| 9       | 135674.0          | 2     | 19          | 82.8             | 1883.0     | 1005.0     | -          |                         |
| 10      | 279928.0          | 3     | 19          | 88.0             | 1061.0     | 1928.0     | 1101.0     |                         |
| 11      | 424279.0          | 3     | 19          | 93.2             | 1207.0     | 1907.0     | 1223.0     |                         |
| 12      | 570132.0          | 2     | 19          | 70.4             | 1526.0     | 1360.0     | -          |                         |
| 13      | 117439.0          | 3     | 19          | 95.3             | 1171.0     | 1955.0     | 1775.0     |                         |
| 14      | 262502.0          | 2     | 19          | 81.9             | 1690.0     | 1545.0     | -          |                         |
| 15      | 406573.0          | 3     | 19          | 98.5             | 1975.0     | 1169.0     | 1062.0     |                         |
| 16      | 553328.0          | 1     | 19          | 65.0             | 1767.0     | -          | -          |                         |
| 17      | 99799.0           | 3     | 19          | 85.4             | 1011.0     | 1637.0     | 1425.0     |                         |
| 18      | 244095.0          | 3     | 19          | 91.6             | 1878.0     | 1445.0     | 1325.0     |                         |
| 19      | 390012.0          | 2     | 19          | 67.3             | 1091.0     | 1218.0     | -          |                         |

## Bin5 Statistics 5

| Trial # | Burst Offset (µS) | Pulse | Chirp (MHz) | Pulse Width (µS) | PRI-1 (µS) | PRI-2 (µS) | PRI-3 (µS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 629614.0          | 2     | 16          | 67.9             | 1320.0     | 1133.0     | -          | 1                       |
| 1       | 96856.0           | 1     | 16          | 62.3             | 1957.0     | -          | -          |                         |
| 2       | 267719.0          | 1     | 16          | 53.3             | 1592.0     | -          | -          |                         |
| 3       | 436784.0          | 3     | 16          | 90.0             | 1900.0     | 1153.0     | 1346.0     |                         |
| 4       | 608289.0          | 2     | 16          | 77.1             | 1166.0     | 1646.0     | -          |                         |
| 5       | 75610.0           | 3     | 16          | 83.9             | 1278.0     | 1232.0     | 1459.0     |                         |
| 6       | 245638.0          | 3     | 16          | 89.1             | 1240.0     | 1384.0     | 1939.0     |                         |
| 7       | 416355.0          | 2     | 16          | 81.8             | 1833.0     | 1676.0     | -          |                         |
| 8       | 588736.0          | 1     | 16          | 50.3             | 1075.0     | -          | -          |                         |
| 9       | 54571.0           | 3     | 16          | 87.1             | 1116.0     | 1996.0     | 1756.0     |                         |
| 10      | 225175.0          | 2     | 16          | 71.3             | 1225.0     | 1815.0     | -          |                         |
| 11      | 394825.0          | 3     | 16          | 97.5             | 1884.0     | 1465.0     | 1132.0     |                         |
| 12      | 565361.0          | 3     | 16          | 90.6             | 1561.0     | 1040.0     | 1354.0     |                         |
| 13      | 33643.0           | 3     | 16          | 86.3             | 1596.0     | 1183.0     | 1792.0     |                         |
| 14      | 203957.0          | 3     | 16          | 97.6             | 1365.0     | 1073.0     | 1361.0     |                         |
| 15      | 373812.0          | 3     | 16          | 84.7             | 1021.0     | 1718.0     | 1854.0     |                         |
| 16      | 544060.0          | 3     | 16          | 99.7             | 1150.0     | 1244.0     | 1988.0     |                         |

## Bin5 Statistics 6

| Trial # | Burst Offset (µS) | Pulse | Chirp (MHz) | Pulse Width (µS) | PRI-1 (µS) | PRI-2 (µS) | PRI-3 (µS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 15438.0           | 3     | 12          | 92.9             | 1085.0     | 1564.0     | 1407.0     | 1                       |
| 1       | 222486.0          | 2     | 12          | 67.7             | 1744.0     | 1747.0     | -          |                         |
| 2       | 430731.0          | 1     | 12          | 65.8             | 1092.0     | -          | -          |                         |
| 3       | 637784.0          | 1     | 12          | 56.3             | 1851.0     | -          | -          |                         |
| 4       | 845342.0          | 1     | 12          | 53.7             | 1727.0     | -          | -          |                         |
| 5       | 196720.0          | 3     | 12          | 83.5             | 1679.0     | 1930.0     | 1025.0     |                         |
| 6       | 404955.0          | 1     | 12          | 65.8             | 1519.0     | -          | -          |                         |
| 7       | 610711.0          | 3     | 12          | 85.9             | 1134.0     | 1034.0     | 1808.0     |                         |
| 8       | 818057.0          | 2     | 12          | 76.3             | 1606.0     | 1926.0     | -          |                         |
| 9       | 171459.0          | 2     | 12          | 81.5             | 1891.0     | 1714.0     | -          |                         |
| 10      | 377969.0          | 3     | 12          | 89.4             | 1310.0     | 1594.0     | 1827.0     |                         |
| 11      | 586875.0          | 1     | 12          | 63.4             | 1568.0     | -          | -          |                         |
| 12      | 792834.0          | 2     | 12          | 69.6             | 1307.0     | 1925.0     | -          |                         |
| 13      | 146044.0          | 2     | 12          | 74.5             | 1264.0     | 1846.0     | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 329022.0          | 3     | 13          | 96.6             | 1182.0     | 1609.0     | 1581.0     | 1                       |
| 1       | 521718.0          | 3     | 13          | 96.7             | 1829.0     | 1799.0     | 1154.0     |                         |
| 2       | 714222.0          | 3     | 13          | 86.5             | 1923.0     | 1396.0     | 1865.0     |                         |
| 3       | 112450.0          | 2     | 13          | 73.3             | 1908.0     | 1318.0     | -          |                         |
| 4       | 306283.0          | 1     | 13          | 55.8             | 1688.0     | -          | -          |                         |
| 5       | 500239.0          | 1     | 13          | 55.4             | 1145.0     | -          | -          |                         |
| 6       | 690932.0          | 3     | 13          | 85.3             | 1336.0     | 1504.0     | 1820.0     |                         |
| 7       | 88645.0           | 2     | 13          | 79.4             | 1344.0     | 1893.0     | -          |                         |
| 8       | 282508.0          | 1     | 13          | 65.7             | 1476.0     | -          | -          |                         |
| 9       | 475842.0          | 2     | 13          | 68.6             | 1008.0     | 1028.0     | -          |                         |
| 10      | 667887.0          | 2     | 13          | 77.7             | 1972.0     | 1835.0     | -          |                         |
| 11      | 64845.0           | 2     | 13          | 79.6             | 1882.0     | 1331.0     | -          |                         |
| 12      | 257755.0          | 3     | 13          | 94.9             | 1830.0     | 1070.0     | 1349.0     |                         |
| 13      | 452335.0          | 1     | 13          | 61.4             | 1451.0     | -          | -          |                         |
| 14      | 643395.0          | 3     | 13          | 90.6             | 1233.0     | 1562.0     | 1887.0     |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 51446.0           | 1     | 10          | 52.6             | 1210.0     | -          | -          | 1                       |
| 1       | 292696.0          | 3     | 10          | 84.1             | 1314.0     | 1725.0     | 1529.0     |                         |
| 2       | 533989.0          | 3     | 10          | 97.7             | 1139.0     | 1868.0     | 1805.0     |                         |
| 3       | 775564.0          | 3     | 10          | 97.3             | 1341.0     | 1446.0     | 1755.0     |                         |
| 4       | 21542.0           | 3     | 10          | 98.8             | 1544.0     | 1386.0     | 1302.0     |                         |
| 5       | 263385.0          | 2     | 10          | 72.2             | 1771.0     | 1184.0     | -          |                         |
| 6       | 505581.0          | 2     | 10          | 67.6             | 1175.0     | 1027.0     | -          |                         |
| 7       | 747058.0          | 2     | 10          | 75.7             | 1026.0     | 1871.0     | -          |                         |
| 8       | 989976.0          | 1     | 10          | 60.9             | 1798.0     | -          | -          |                         |
| 9       | 234024.0          | 1     | 10          | 64.2             | 1138.0     | -          | -          |                         |
| 10      | 475207.0          | 2     | 10          | 78.8             | 1784.0     | 1604.0     | -          |                         |
| 11      | 715825.0          | 3     | 10          | 87.5             | 1511.0     | 1712.0     | 1683.0     |                         |

## Bin5 Statistics 9

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 823112.0          | 1     | 13          | 54.1             | 1415.0     | -          | -          | 1                       |
| 1       | 174965.0          | 1     | 13          | 50.7             | 1221.0     | -          | -          |                         |
| 2       | 382216.0          | 1     | 13          | 52.3             | 1974.0     | -          | -          |                         |
| 3       | 587395.0          | 3     | 13          | 99.8             | 1558.0     | 1696.0     | 1949.0     |                         |
| 4       | 796897.0          | 2     | 13          | 68.4             | 1014.0     | 1099.0     | -          |                         |
| 5       | 149042.0          | 2     | 13          | 80.8             | 1736.0     | 1505.0     | -          |                         |
| 6       | 356750.0          | 1     | 13          | 62.5             | 1778.0     | -          | -          |                         |
| 7       | 563824.0          | 2     | 13          | 74.8             | 1149.0     | 1204.0     | -          |                         |
| 8       | 772314.0          | 1     | 13          | 50.8             | 1049.0     | -          | -          |                         |
| 9       | 123796.0          | 1     | 13          | 54.0             | 1417.0     | -          | -          |                         |
| 10      | 331215.0          | 1     | 13          | 63.0             | 1730.0     | -          | -          |                         |
| 11      | 537402.0          | 3     | 13          | 91.8             | 1143.0     | 1270.0     | 1347.0     |                         |
| 12      | 744805.0          | 2     | 13          | 79.3             | 1274.0     | 1992.0     | -          |                         |
| 13      | 98172.0           | 1     | 13          | 64.3             | 1937.0     | -          | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 535615.0          | 1     | 6           | 63.4             | 1043.0     | -          | -          | 1                       |
| 1       | 898668.0          | 1     | 6           | 52.0             | 1863.0     | -          | -          |                         |
| 2       | 1259235.0         | 3     | 6           | 97.2             | 1973.0     | 1605.0     | 1583.0     |                         |
| 3       | 127106.0          | 2     | 6           | 78.7             | 1466.0     | 1743.0     | -          |                         |
| 4       | 490358.0          | 2     | 6           | 74.2             | 1280.0     | 1219.0     | -          |                         |
| 5       | 852409.0          | 3     | 6           | 88.7             | 1293.0     | 1934.0     | 1273.0     |                         |
| 6       | 1217152.0         | 1     | 6           | 54.3             | 1991.0     | -          | -          |                         |
| 7       | 82296.0           | 3     | 6           | 95.4             | 1580.0     | 1555.0     | 1791.0     |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 209249.0                 | 2            | 16                 | 73.7                    | 1208.0            | 1497.0            | -                 | 1                              |
| 1              | 378386.0                 | 3            | 16                 | 97.4                    | 1942.0            | 1754.0            | 1613.0            |                                |
| 2              | 548411.0                 | 3            | 16                 | 91.7                    | 1999.0            | 1702.0            | 1462.0            |                                |
| 3              | 17733.0                  | 1            | 16                 | 66.2                    | 1393.0            | -                 | -                 |                                |
| 4              | 187952.0                 | 2            | 16                 | 70.8                    | 1968.0            | 1821.0            | -                 |                                |
| 5              | 359277.0                 | 1            | 16                 | 52.3                    | 1740.0            | -                 | -                 |                                |
| 6              | 528886.0                 | 2            | 16                 | 78.9                    | 1308.0            | 1984.0            | -                 |                                |
| 7              | 700166.0                 | 2            | 16                 | 70.9                    | 1050.0            | 1358.0            | -                 |                                |
| 8              | 167197.0                 | 2            | 16                 | 75.6                    | 1437.0            | 1430.0            | -                 |                                |
| 9              | 338262.0                 | 1            | 16                 | 59.1                    | 1697.0            | -                 | -                 |                                |
| 10             | 508324.0                 | 2            | 16                 | 77.0                    | 1397.0            | 1304.0            | -                 |                                |
| 11             | 678689.0                 | 2            | 16                 | 67.9                    | 1803.0            | 1083.0            | -                 |                                |
| 12             | 146031.0                 | 2            | 16                 | 81.2                    | 1720.0            | 1932.0            | -                 |                                |
| 13             | 316923.0                 | 2            | 16                 | 78.7                    | 1247.0            | 1121.0            | -                 |                                |
| 14             | 488056.0                 | 1            | 16                 | 63.3                    | 1634.0            | -                 | -                 |                                |
| 15             | 657326.0                 | 2            | 16                 | 68.9                    | 1849.0            | 1423.0            | -                 |                                |
| 16             | 125509.0                 | 1            | 16                 | 59.3                    | 1093.0            | -                 | -                 |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 263736.0                 | 3            | 19                 | 98.9                    | 1381.0            | 1680.0            | 1488.0            | 1                              |
| 1              | 416459.0                 | 2            | 19                 | 82.3                    | 1716.0            | 1855.0            | -                 |                                |
| 2              | 567902.0                 | 3            | 19                 | 86.7                    | 1211.0            | 1400.0            | 1919.0            |                                |
| 3              | 92979.0                  | 3            | 19                 | 89.7                    | 1861.0            | 1068.0            | 1282.0            |                                |
| 4              | 245155.0                 | 3            | 19                 | 98.6                    | 1507.0            | 1194.0            | 1461.0            |                                |
| 5              | 397609.0                 | 2            | 19                 | 71.1                    | 1921.0            | 1789.0            | -                 |                                |
| 6              | 551431.0                 | 1            | 19                 | 55.9                    | 1947.0            | -                 | -                 |                                |
| 7              | 74413.0                  | 2            | 19                 | 67.9                    | 1350.0            | 1372.0            | -                 |                                |
| 8              | 226559.0                 | 3            | 19                 | 84.4                    | 1203.0            | 1107.0            | 1443.0            |                                |
| 9              | 380056.0                 | 1            | 19                 | 58.8                    | 1715.0            | -                 | -                 |                                |
| 10             | 533408.0                 | 1            | 19                 | 65.6                    | 1017.0            | -                 | -                 |                                |
| 11             | 55547.0                  | 2            | 19                 | 78.5                    | 1911.0            | 1704.0            | -                 |                                |
| 12             | 207876.0                 | 2            | 19                 | 82.3                    | 1845.0            | 1686.0            | -                 |                                |
| 13             | 359771.0                 | 3            | 19                 | 90.1                    | 1938.0            | 1071.0            | 1266.0            |                                |
| 14             | 511297.0                 | 3            | 19                 | 90.2                    | 1989.0            | 1089.0            | 1950.0            |                                |
| 15             | 36803.0                  | 2            | 19                 | 83.1                    | 1943.0            | 1406.0            | -                 |                                |
| 16             | 189652.0                 | 1            | 19                 | 58.8                    | 1742.0            | -                 | -                 |                                |
| 17             | 341809.0                 | 2            | 19                 | 77.0                    | 1187.0            | 1657.0            | -                 |                                |
| 18             | 495737.0                 | 1            | 19                 | 55.0                    | 1012.0            | -                 | -                 |                                |

## Bin5 Statistics 13

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 22911.0           | 1     | 13          | 58.1             | 1929.0     | -          | -          | 1                       |
| 1       | 216473.0          | 1     | 13          | 52.1             | 1910.0     | -          | -          |                         |
| 2       | 410004.0          | 1     | 13          | 59.9             | 1971.0     | -          | -          |                         |
| 3       | 603671.0          | 1     | 13          | 60.2             | 1812.0     | -          | -          |                         |
| 4       | 794160.0          | 3     | 13          | 95.9             | 1399.0     | 1906.0     | 1608.0     |                         |
| 5       | 192251.0          | 2     | 13          | 79.9             | 1626.0     | 1859.0     | -          |                         |
| 6       | 385590.0          | 2     | 13          | 78.5             | 1238.0     | 1917.0     | -          |                         |
| 7       | 579862.0          | 1     | 13          | 53.8             | 1763.0     | -          | -          |                         |
| 8       | 773423.0          | 1     | 13          | 64.7             | 1800.0     | -          | -          |                         |
| 9       | 168898.0          | 1     | 13          | 61.4             | 1390.0     | -          | -          |                         |
| 10      | 361606.0          | 2     | 13          | 83.2             | 1692.0     | 1858.0     | -          |                         |
| 11      | 553866.0          | 3     | 13          | 84.7             | 1533.0     | 1677.0     | 1638.0     |                         |
| 12      | 747241.0          | 3     | 13          | 88.7             | 1703.0     | 1528.0     | 1058.0     |                         |
| 13      | 144710.0          | 2     | 13          | 78.3             | 1258.0     | 1951.0     | -          |                         |
| 14      | 337856.0          | 2     | 13          | 69.3             | 1731.0     | 1717.0     | -          |                         |

## Bin5 Statistics 14

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 664275.0          | 2     | 10          | 75.3             | 1994.0     | 1612.0     | -          | 1                       |
| 1       | 907886.0          | 1     | 10          | 56.3             | 1456.0     | -          | -          |                         |
| 2       | 151316.0          | 2     | 10          | 67.7             | 1617.0     | 1185.0     | -          |                         |
| 3       | 393746.0          | 1     | 10          | 55.6             | 1337.0     | -          | -          |                         |
| 4       | 635093.0          | 2     | 10          | 75.2             | 1421.0     | 1267.0     | -          |                         |
| 5       | 876993.0          | 2     | 10          | 76.3             | 1359.0     | 1305.0     | -          |                         |
| 6       | 121278.0          | 3     | 10          | 85.7             | 1547.0     | 1362.0     | 1924.0     |                         |
| 7       | 362696.0          | 3     | 10          | 98.4             | 1873.0     | 1550.0     | 1249.0     |                         |
| 8       | 604342.0          | 3     | 10          | 86.4             | 1779.0     | 1439.0     | 1046.0     |                         |
| 9       | 846453.0          | 3     | 10          | 93.6             | 1059.0     | 1031.0     | 1452.0     |                         |
| 10      | 91871.0           | 1     | 10          | 63.3             | 1328.0     | -          | -          |                         |
| 11      | 333050.0          | 3     | 10          | 92.4             | 1412.0     | 1673.0     | 1322.0     |                         |



## Bin5 Statistics 15

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 361323.0                 | 3            | 18                 | 93.3                    | 1983.0            | 1912.0            | 1535.0            | 1                              |
| 1              | 515261.0                 | 2            | 18                 | 69.1                    | 1102.0            | 1794.0            | -                 |                                |
| 2              | 39025.0                  | 3            | 18                 | 86.9                    | 1044.0            | 1152.0            | 1148.0            |                                |
| 3              | 190900.0                 | 3            | 18                 | 84.9                    | 1894.0            | 1948.0            | 1118.0            |                                |
| 4              | 343941.0                 | 2            | 18                 | 72.3                    | 1094.0            | 1916.0            | -                 |                                |
| 5              | 497624.0                 | 1            | 18                 | 51.7                    | 1447.0            | -                 | -                 |                                |
| 6              | 20319.0                  | 1            | 18                 | 58.3                    | 1429.0            | -                 | -                 |                                |
| 7              | 172999.0                 | 1            | 18                 | 60.8                    | 1979.0            | -                 | -                 |                                |
| 8              | 325872.0                 | 1            | 18                 | 57.1                    | 1641.0            | -                 | -                 |                                |
| 9              | 475841.0                 | 3            | 18                 | 88.9                    | 1886.0            | 1964.0            | 1489.0            |                                |
| 10             | 1489.0                   | 2            | 18                 | 72.0                    | 1909.0            | 1297.0            | -                 |                                |
| 11             | 153647.0                 | 3            | 18                 | 90.9                    | 1261.0            | 1566.0            | 1370.0            |                                |
| 12             | 307096.0                 | 1            | 18                 | 59.8                    | 1552.0            | -                 | -                 |                                |
| 13             | 458804.0                 | 2            | 18                 | 70.0                    | 1759.0            | 1291.0            | -                 |                                |
| 14             | 610798.0                 | 2            | 18                 | 67.2                    | 1625.0            | 1881.0            | -                 |                                |
| 15             | 134759.0                 | 3            | 18                 | 91.2                    | 1382.0            | 1832.0            | 1661.0            |                                |
| 16             | 288306.0                 | 1            | 18                 | 56.5                    | 1483.0            | -                 | -                 |                                |
| 17             | 441296.0                 | 1            | 18                 | 51.2                    | 1237.0            | -                 | -                 |                                |
| 18             | 592780.0                 | 2            | 18                 | 74.1                    | 1471.0            | 1245.0            | -                 |                                |

## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 158286.0                 | 2            | 12                 | 76.9                    | 1110.0            | 1140.0            | -                 | 1                              |
| 1              | 366024.0                 | 1            | 12                 | 50.2                    | 1316.0            | -                 | -                 |                                |
| 2              | 573452.0                 | 1            | 12                 | 62.9                    | 1520.0            | -                 | -                 |                                |
| 3              | 780619.0                 | 1            | 12                 | 64.7                    | 1902.0            | -                 | -                 |                                |
| 4              | 132455.0                 | 3            | 12                 | 83.8                    | 1410.0            | 1097.0            | 1621.0            |                                |
| 5              | 340207.0                 | 1            | 12                 | 65.4                    | 1944.0            | -                 | -                 |                                |
| 6              | 548208.0                 | 1            | 12                 | 53.2                    | 1024.0            | -                 | -                 |                                |
| 7              | 755333.0                 | 1            | 12                 | 51.7                    | 1603.0            | -                 | -                 |                                |
| 8              | 107117.0                 | 2            | 12                 | 78.7                    | 1804.0            | 1168.0            | -                 |                                |
| 9              | 314500.0                 | 2            | 12                 | 72.4                    | 1030.0            | 1343.0            | -                 |                                |
| 10             | 522447.0                 | 1            | 12                 | 53.8                    | 1327.0            | -                 | -                 |                                |
| 11             | 728517.0                 | 2            | 12                 | 73.6                    | 1524.0            | 1553.0            | -                 |                                |
| 12             | 81611.0                  | 2            | 12                 | 66.7                    | 1722.0            | 1122.0            | -                 |                                |
| 13             | 288948.0                 | 2            | 12                 | 82.5                    | 1404.0            | 1019.0            | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 345766.0          | 3     | 20          | 87.6             | 1565.0     | 1055.0     | 1840.0     | 1                       |
| 1       | 490019.0          | 3     | 20          | 85.2             | 1735.0     | 1541.0     | 1408.0     |                         |
| 2       | 39073.0           | 3     | 20          | 84.8             | 1534.0     | 1889.0     | 1463.0     |                         |
| 3       | 183923.0          | 2     | 20          | 77.9             | 1749.0     | 1460.0     | -          |                         |
| 4       | 328777.0          | 2     | 20          | 76.5             | 1518.0     | 1485.0     | -          |                         |
| 5       | 474728.0          | 1     | 20          | 60.9             | 1540.0     | -          | -          |                         |
| 6       | 21394.0           | 2     | 20          | 83.0             | 1080.0     | 1010.0     | -          |                         |
| 7       | 165992.0          | 2     | 20          | 80.4             | 1824.0     | 1752.0     | -          |                         |
| 8       | 310973.0          | 2     | 20          | 67.5             | 1764.0     | 1181.0     | -          |                         |
| 9       | 456884.0          | 1     | 20          | 62.1             | 1495.0     | -          | -          |                         |
| 10      | 3515.0            | 3     | 20          | 86.4             | 1773.0     | 1966.0     | 1263.0     |                         |
| 11      | 147928.0          | 3     | 20          | 84.3             | 1593.0     | 1188.0     | 1788.0     |                         |
| 12      | 293225.0          | 2     | 20          | 76.9             | 1226.0     | 1537.0     | -          |                         |
| 13      | 436922.0          | 3     | 20          | 95.8             | 1192.0     | 1298.0     | 1844.0     |                         |
| 14      | 584015.0          | 1     | 20          | 55.2             | 1644.0     | -          | -          |                         |
| 15      | 130832.0          | 1     | 20          | 59.0             | 1402.0     | -          | -          |                         |
| 16      | 274684.0          | 3     | 20          | 94.5             | 1296.0     | 1700.0     | 1283.0     |                         |
| 17      | 418579.0          | 3     | 20          | 91.9             | 1970.0     | 1978.0     | 1165.0     |                         |
| 18      | 563464.0          | 3     | 20          | 85.2             | 1732.0     | 1551.0     | 1189.0     |                         |
| 19      | 112787.0          | 2     | 20          | 69.5             | 1038.0     | 1224.0     | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 429224.0          | 3     | 10          | 86.4             | 1259.0     | 1918.0     | 1455.0     | 1                       |
| 1       | 670241.0          | 3     | 10          | 92.2             | 1598.0     | 1719.0     | 1895.0     |                         |
| 2       | 912880.0          | 2     | 10          | 80.4             | 1816.0     | 1899.0     | -          |                         |
| 3       | 158603.0          | 1     | 10          | 54.3             | 1335.0     | -          | -          |                         |
| 4       | 400824.0          | 1     | 10          | 53.1             | 1303.0     | -          | -          |                         |
| 5       | 641915.0          | 2     | 10          | 69.4             | 1503.0     | 1546.0     | -          |                         |
| 6       | 883823.0          | 2     | 10          | 69.1             | 1279.0     | 1639.0     | -          |                         |
| 7       | 128373.0          | 3     | 10          | 100.0            | 1375.0     | 1438.0     | 1595.0     |                         |
| 8       | 370379.0          | 2     | 10          | 79.6             | 1239.0     | 1705.0     | -          |                         |
| 9       | 611194.0          | 3     | 10          | 88.4             | 1374.0     | 1579.0     | 1623.0     |                         |
| 10      | 855665.0          | 1     | 10          | 53.3             | 1016.0     | -          | -          |                         |
| 11      | 98897.0           | 1     | 10          | 65.3             | 1709.0     | -          | -          |                         |

## Bin5 Statistics 19

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 292143.0          | 1     | 12          | 55.3             | 1920.0     | -          | -          | 1                       |
| 1       | 499633.0          | 1     | 12          | 58.3             | 1797.0     | -          | -          |                         |
| 2       | 706377.0          | 2     | 12          | 72.3             | 1610.0     | 1039.0     | -          |                         |
| 3       | 58989.0           | 3     | 12          | 84.8             | 1131.0     | 1761.0     | 1721.0     |                         |
| 4       | 266161.0          | 2     | 12          | 82.5             | 1875.0     | 1431.0     | -          |                         |
| 5       | 474469.0          | 1     | 12          | 63.3             | 1095.0     | -          | -          |                         |
| 6       | 680544.0          | 2     | 12          | 80.0             | 1119.0     | 1913.0     | -          |                         |
| 7       | 33519.0           | 3     | 12          | 90.3             | 1660.0     | 1853.0     | 1123.0     |                         |
| 8       | 240319.0          | 3     | 12          | 91.1             | 1539.0     | 1783.0     | 1172.0     |                         |
| 9       | 447400.0          | 3     | 12          | 96.6             | 1525.0     | 1036.0     | 1385.0     |                         |
| 10      | 654516.0          | 2     | 12          | 82.7             | 1710.0     | 1990.0     | -          |                         |
| 11      | 8083.0            | 1     | 12          | 50.7             | 1234.0     | -          | -          |                         |
| 12      | 215435.0          | 2     | 12          | 78.4             | 1047.0     | 1109.0     | -          |                         |
| 13      | 421325.0          | 3     | 12          | 99.5             | 1299.0     | 1965.0     | 1869.0     |                         |

## Bin5 Statistics 20

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 733725.0          | 3     | 10          | 88.6             | 1501.0     | 1067.0     | 1927.0     | 1                       |
| 1       | 977882.0          | 1     | 10          | 57.4             | 1723.0     | -          | -          |                         |
| 2       | 221197.0          | 3     | 10          | 96.6             | 1086.0     | 1658.0     | 1324.0     |                         |
| 3       | 462915.0          | 2     | 10          | 69.7             | 1751.0     | 1945.0     | -          |                         |
| 4       | 705071.0          | 2     | 10          | 77.9             | 1642.0     | 1317.0     | -          |                         |
| 5       | 947923.0          | 1     | 10          | 62.0             | 1866.0     | -          | -          |                         |
| 6       | 191373.0          | 3     | 10          | 88.4             | 1997.0     | 1077.0     | 1366.0     |                         |
| 7       | 432561.0          | 3     | 10          | 97.3             | 1790.0     | 1896.0     | 1367.0     |                         |
| 8       | 674004.0          | 3     | 10          | 96.2             | 1391.0     | 1787.0     | 1672.0     |                         |
| 9       | 915842.0          | 3     | 10          | 95.4             | 1020.0     | 1892.0     | 1414.0     |                         |
| 10      | 162176.0          | 1     | 10          | 54.8             | 1084.0     | -          | -          |                         |
| 11      | 403553.0          | 2     | 10          | 80.4             | 1850.0     | 1436.0     | -          |                         |

## Bin5 Statistics 21

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 483470.0          | 2     | 15          | 74.7             | 1619.0     | 1611.0     | -          | 1                       |
| 1       | 666072.0          | 1     | 15          | 57.1             | 1560.0     | -          | -          |                         |
| 2       | 98810.0           | 3     | 15          | 91.9             | 1392.0     | 1475.0     | 1276.0     |                         |
| 3       | 279914.0          | 2     | 15          | 83.1             | 1809.0     | 1772.0     | -          |                         |
| 4       | 462536.0          | 1     | 15          | 50.7             | 1003.0     | -          | -          |                         |
| 5       | 642324.0          | 2     | 15          | 79.2             | 1574.0     | 1600.0     | -          |                         |
| 6       | 76831.0           | 1     | 15          | 58.7             | 1186.0     | -          | -          |                         |
| 7       | 257785.0          | 2     | 15          | 71.0             | 1521.0     | 1567.0     | -          |                         |
| 8       | 438554.0          | 2     | 15          | 79.0             | 1777.0     | 1960.0     | -          |                         |
| 9       | 620397.0          | 2     | 15          | 68.5             | 1284.0     | 1428.0     | -          |                         |
| 10      | 54310.0           | 2     | 15          | 73.5             | 1904.0     | 1352.0     | -          |                         |
| 11      | 235506.0          | 2     | 15          | 70.5             | 1864.0     | 1115.0     | -          |                         |
| 12      | 417036.0          | 2     | 15          | 76.6             | 1045.0     | 1300.0     | -          |                         |
| 13      | 597974.0          | 2     | 15          | 81.2             | 1160.0     | 1675.0     | -          |                         |
| 14      | 32086.0           | 1     | 15          | 61.8             | 1277.0     | -          | -          |                         |
| 15      | 212751.0          | 3     | 15          | 94.9             | 1450.0     | 1206.0     | 1860.0     |                         |

## Bin5 Statistics 22

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 526149.0          | 2     | 9           | 78.5             | 1653.0     | 1698.0     | -          | 1                       |
| 1       | 767135.0          | 3     | 9           | 89.8             | 1174.0     | 1962.0     | 1167.0     |                         |
| 2       | 12955.0           | 1     | 9           | 59.4             | 1982.0     | -          | -          |                         |
| 3       | 254612.0          | 2     | 9           | 79.6             | 1633.0     | 1890.0     | -          |                         |
| 4       | 496588.0          | 2     | 9           | 76.0             | 1112.0     | 1811.0     | -          |                         |
| 5       | 739728.0          | 1     | 9           | 53.6             | 1144.0     | -          | -          |                         |
| 6       | 980872.0          | 2     | 9           | 80.9             | 1220.0     | 1053.0     | -          |                         |
| 7       | 225249.0          | 1     | 9           | 61.6             | 1724.0     | -          | -          |                         |
| 8       | 467279.0          | 1     | 9           | 53.4             | 1901.0     | -          | -          |                         |
| 9       | 709720.0          | 1     | 9           | 59.9             | 1379.0     | -          | -          |                         |
| 10      | 951847.0          | 1     | 9           | 60.4             | 1453.0     | -          | -          |                         |
| 11      | 194839.0          | 3     | 9           | 91.4             | 1768.0     | 1726.0     | 1227.0     |                         |

## Bin5 Statistics 23

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 261858.0                 | 2            | 20                 | 77.0                    | 1191.0            | 1363.0            | -                 | 1                              |
| 1              | 407646.0                 | 1            | 20                 | 58.1                    | 1248.0            | -                 | -                 |                                |
| 2              | 552319.0                 | 1            | 20                 | 62.1                    | 1836.0            | -                 | -                 |                                |
| 3              | 99107.0                  | 2            | 20                 | 76.9                    | 1334.0            | 1236.0            | -                 |                                |
| 4              | 243514.0                 | 2            | 20                 | 80.0                    | 1914.0            | 1852.0            | -                 |                                |
| 5              | 389464.0                 | 1            | 20                 | 52.0                    | 1701.0            | -                 | -                 |                                |
| 6              | 531093.0                 | 3            | 20                 | 88.6                    | 1693.0            | 1995.0            | 1905.0            |                                |
| 7              | 81159.0                  | 2            | 20                 | 72.9                    | 1922.0            | 1387.0            | -                 |                                |
| 8              | 225245.0                 | 3            | 20                 | 98.5                    | 1839.0            | 1746.0            | 1389.0            |                                |
| 9              | 371906.0                 | 1            | 20                 | 57.9                    | 1193.0            | -                 | -                 |                                |
| 10             | 514197.0                 | 3            | 20                 | 95.9                    | 1659.0            | 1870.0            | 1066.0            |                                |
| 11             | 63561.0                  | 1            | 20                 | 53.5                    | 1162.0            | -                 | -                 |                                |
| 12             | 207510.0                 | 3            | 20                 | 92.0                    | 1745.0            | 1654.0            | 1458.0            |                                |
| 13             | 353638.0                 | 1            | 20                 | 57.3                    | 1834.0            | -                 | -                 |                                |
| 14             | 497515.0                 | 2            | 20                 | 70.5                    | 1684.0            | 1586.0            | -                 |                                |
| 15             | 45553.0                  | 2            | 20                 | 70.0                    | 1042.0            | 1664.0            | -                 |                                |
| 16             | 189821.0                 | 3            | 20                 | 84.0                    | 1765.0            | 1630.0            | 1176.0            |                                |
| 17             | 335330.0                 | 2            | 20                 | 76.1                    | 1557.0            | 1057.0            | -                 |                                |
| 18             | 478825.0                 | 3            | 20                 | 93.2                    | 1985.0            | 1018.0            | 1340.0            |                                |
| 19             | 27594.0                  | 3            | 20                 | 96.8                    | 1760.0            | 1614.0            | 1817.0            |                                |

## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247117.0                 | 1            | 12                 | 50.1                    | 1841.0            | -                 | -                 | 1                              |
| 1              | 453362.0                 | 3            | 12                 | 93.5                    | 1590.0            | 1081.0            | 1413.0            |                                |
| 2              | 660875.0                 | 2            | 12                 | 68.8                    | 1707.0            | 1577.0            | -                 |                                |
| 3              | 14140.0                  | 1            | 12                 | 56.3                    | 1056.0            | -                 | -                 |                                |
| 4              | 220734.0                 | 3            | 12                 | 86.0                    | 1953.0            | 1108.0            | 1987.0            |                                |
| 5              | 428367.0                 | 2            | 12                 | 75.2                    | 1572.0            | 1536.0            | -                 |                                |
| 6              | 636681.0                 | 1            | 12                 | 54.4                    | 1517.0            | -                 | -                 |                                |
| 7              | 843157.0                 | 2            | 12                 | 71.1                    | 1329.0            | 1243.0            | -                 |                                |
| 8              | 195585.0                 | 2            | 12                 | 76.2                    | 1940.0            | 1770.0            | -                 |                                |
| 9              | 403231.0                 | 2            | 12                 | 80.2                    | 1098.0            | 1209.0            | -                 |                                |
| 10             | 610202.0                 | 2            | 12                 | 79.7                    | 1588.0            | 1214.0            | -                 |                                |
| 11             | 815229.0                 | 3            | 12                 | 90.9                    | 1615.0            | 1862.0            | 1601.0            |                                |
| 12             | 170267.0                 | 2            | 12                 | 68.7                    | 1377.0            | 1441.0            | -                 |                                |
| 13             | 377306.0                 | 2            | 12                 | 67.4                    | 1872.0            | 1313.0            | -                 |                                |

## Bin5 Statistics 25

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 628071.0          | 3     | 11          | 94.0             | 1643.0     | 1748.0     | 1941.0     | 1                       |
| 1       | 853391.0          | 2     | 11          | 70.8             | 1177.0     | 1201.0     | -          |                         |
| 2       | 156223.0          | 1     | 11          | 56.3             | 1006.0     | -          | -          |                         |
| 3       | 378734.0          | 3     | 11          | 96.7             | 1230.0     | 1163.0     | 1332.0     |                         |
| 4       | 601331.0          | 3     | 11          | 90.6             | 1217.0     | 1582.0     | 1498.0     |                         |
| 5       | 825462.0          | 2     | 11          | 74.5             | 1569.0     | 1281.0     | -          |                         |
| 6       | 128265.0          | 3     | 11          | 92.6             | 1065.0     | 1669.0     | 1222.0     |                         |
| 7       | 351161.0          | 3     | 11          | 89.0             | 1493.0     | 1135.0     | 1380.0     |                         |
| 8       | 573425.0          | 3     | 11          | 96.5             | 1607.0     | 1822.0     | 1602.0     |                         |
| 9       | 798431.0          | 2     | 11          | 70.5             | 1141.0     | 1178.0     | -          |                         |
| 10      | 100737.0          | 3     | 11          | 94.0             | 1009.0     | 1629.0     | 1956.0     |                         |
| 11      | 324661.0          | 1     | 11          | 55.8             | 1290.0     | -          | -          |                         |
| 12      | 546278.0          | 3     | 11          | 87.7             | 1435.0     | 1963.0     | 1164.0     |                         |

## Bin5 Statistics 26

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 1253842.0         | 2     | 5           | 68.6             | 1306.0     | 1161.0     | -          | 1                       |
| 1       | 119486.0          | 2     | 5           | 83.1             | 1420.0     | 1315.0     | -          |                         |
| 2       | 482958.0          | 1     | 5           | 60.9             | 1687.0     | -          | -          |                         |
| 3       | 845641.0          | 2     | 5           | 77.7             | 1776.0     | 1158.0     | -          |                         |
| 4       | 1208428.0         | 2     | 5           | 77.4             | 1793.0     | 1510.0     | -          |                         |
| 5       | 74748.0           | 2     | 5           | 66.8             | 1576.0     | 1323.0     | -          |                         |
| 6       | 438300.0          | 1     | 5           | 63.7             | 1333.0     | -          | -          |                         |
| 7       | 800152.0          | 3     | 5           | 91.2             | 1409.0     | 1681.0     | 1275.0     |                         |



## Bin5 Statistics 27

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 545865.0                 | 3            | 16                 | 83.6                    | 1632.0            | 1195.0            | 1000.0            | 1                              |
| 1              | 14067.0                  | 3            | 16                 | 89.4                    | 1173.0            | 1627.0            | 1656.0            |                                |
| 2              | 184953.0                 | 1            | 16                 | 55.8                    | 1532.0            | -                 | -                 |                                |
| 3              | 353759.0                 | 3            | 16                 | 90.9                    | 1981.0            | 1554.0            | 1998.0            |                                |
| 4              | 526388.0                 | 1            | 16                 | 54.7                    | 1825.0            | -                 | -                 |                                |
| 5              | 694806.0                 | 3            | 16                 | 97.7                    | 1734.0            | 1202.0            | 1250.0            |                                |
| 6              | 163568.0                 | 2            | 16                 | 67.5                    | 1571.0            | 1434.0            | -                 |                                |
| 7              | 333410.0                 | 3            | 16                 | 96.7                    | 1589.0            | 1469.0            | 1268.0            |                                |
| 8              | 504006.0                 | 2            | 16                 | 68.3                    | 1750.0            | 1954.0            | -                 |                                |
| 9              | 675297.0                 | 2            | 16                 | 78.3                    | 1591.0            | 1082.0            | -                 |                                |
| 10             | 142890.0                 | 1            | 16                 | 55.0                    | 1427.0            | -                 | -                 |                                |
| 11             | 312479.0                 | 3            | 16                 | 84.9                    | 1129.0            | 1936.0            | 1199.0            |                                |
| 12             | 482953.0                 | 2            | 16                 | 74.6                    | 1959.0            | 1856.0            | -                 |                                |
| 13             | 655022.0                 | 1            | 16                 | 63.3                    | 1885.0            | -                 | -                 |                                |
| 14             | 121457.0                 | 3            | 16                 | 99.8                    | 1035.0            | 1515.0            | 1120.0            |                                |
| 15             | 292606.0                 | 1            | 16                 | 63.6                    | 1647.0            | -                 | -                 |                                |
| 16             | 461322.0                 | 3            | 16                 | 87.3                    | 1931.0            | 1051.0            | 1831.0            |                                |

## Bin5 Statistics 28

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 565136.0          | 3     | 19          | 85.6             | 1946.0     | 1078.0     | 1015.0     | 1                       |
| 1       | 89970.0           | 2     | 19          | 68.6             | 1029.0     | 1780.0     | -          |                         |
| 2       | 243121.0          | 1     | 19          | 54.2             | 1111.0     | -          | -          |                         |
| 3       | 396034.0          | 1     | 19          | 61.2             | 1104.0     | -          | -          |                         |
| 4       | 546225.0          | 3     | 19          | 97.1             | 1157.0     | 1969.0     | 1100.0     |                         |
| 5       | 70998.0           | 3     | 19          | 98.3             | 1142.0     | 1699.0     | 1622.0     |                         |
| 6       | 224093.0          | 1     | 19          | 62.4             | 1655.0     | -          | -          |                         |
| 7       | 376127.0          | 2     | 19          | 80.2             | 1126.0     | 1769.0     | -          |                         |
| 8       | 527806.0          | 3     | 19          | 87.5             | 1216.0     | 1448.0     | 1179.0     |                         |
| 9       | 52247.0           | 3     | 19          | 85.8             | 1847.0     | 1348.0     | 1472.0     |                         |
| 10      | 204582.0          | 3     | 19          | 88.1             | 1023.0     | 1124.0     | 1631.0     |                         |
| 11      | 357941.0          | 1     | 19          | 65.3             | 1848.0     | -          | -          |                         |
| 12      | 510977.0          | 1     | 19          | 52.5             | 1470.0     | -          | -          |                         |
| 13      | 33698.0           | 1     | 19          | 52.3             | 1312.0     | -          | -          |                         |
| 14      | 186023.0          | 2     | 19          | 74.1             | 1915.0     | 1200.0     | -          |                         |
| 15      | 339327.0          | 1     | 19          | 54.9             | 1479.0     | -          | -          |                         |
| 16      | 491053.0          | 2     | 19          | 76.2             | 1376.0     | 1502.0     | -          |                         |
| 17      | 14858.0           | 1     | 19          | 60.4             | 1758.0     | -          | -          |                         |
| 18      | 167387.0          | 2     | 19          | 81.5             | 1491.0     | 1103.0     | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 507709.0          | 1     | 10          | 50.5             | 1857.0     | -          | -          | 1                       |
| 1       | 750249.0          | 1     | 10          | 55.7             | 1246.0     | -          | -          |                         |
| 2       | 989003.0          | 3     | 10          | 85.8             | 1774.0     | 1002.0     | 1967.0     |                         |
| 3       | 235634.0          | 2     | 10          | 76.9             | 1125.0     | 1474.0     | -          |                         |
| 4       | 477675.0          | 2     | 10          | 75.1             | 1254.0     | 1052.0     | -          |                         |
| 5       | 718312.0          | 3     | 10          | 92.3             | 1180.0     | 1486.0     | 1492.0     |                         |
| 6       | 960895.0          | 2     | 10          | 78.1             | 1301.0     | 1757.0     | -          |                         |
| 7       | 205370.0          | 3     | 10          | 92.2             | 1898.0     | 1252.0     | 1713.0     |                         |
| 8       | 446940.0          | 3     | 10          | 89.0             | 1260.0     | 1706.0     | 1411.0     |                         |
| 9       | 689225.0          | 2     | 10          | 70.9             | 1578.0     | 1620.0     | -          |                         |
| 10      | 932305.0          | 1     | 10          | 63.1             | 1782.0     | -          | -          |                         |
| 11      | 176231.0          | 1     | 10          | 55.3             | 1522.0     | -          | -          |                         |

## Bin5 Statistics 30

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 277485.0          | 3     | 17          | 83.4             | 1454.0     | 1205.0     | 1801.0     | 1                       |
| 1       | 437880.0          | 3     | 17          | 97.3             | 1319.0     | 1826.0     | 1635.0     |                         |
| 2       | 598445.0          | 3     | 17          | 90.4             | 1079.0     | 1986.0     | 1674.0     |                         |
| 3       | 97088.0           | 3     | 17          | 91.8             | 1563.0     | 1151.0     | 1802.0     |                         |
| 4       | 257251.0          | 3     | 17          | 98.2             | 1876.0     | 1977.0     | 1766.0     |                         |
| 5       | 419893.0          | 1     | 17          | 59.5             | 1952.0     | -          | -          |                         |
| 6       | 580724.0          | 2     | 17          | 80.0             | 1253.0     | 1137.0     | -          |                         |
| 7       | 77366.0           | 3     | 17          | 86.5             | 1054.0     | 1128.0     | 1828.0     |                         |
| 8       | 238032.0          | 3     | 17          | 91.1             | 1105.0     | 1599.0     | 1442.0     |                         |
| 9       | 398605.0          | 3     | 17          | 93.5             | 1867.0     | 1373.0     | 1087.0     |                         |
| 10      | 562025.0          | 1     | 17          | 60.7             | 1033.0     | -          | -          |                         |
| 11      | 57684.0           | 2     | 17          | 67.2             | 1288.0     | 1405.0     | -          |                         |
| 12      | 219083.0          | 1     | 17          | 61.8             | 1585.0     | -          | -          |                         |
| 13      | 379234.0          | 2     | 17          | 79.4             | 1933.0     | 1667.0     | -          |                         |
| 14      | 540896.0          | 2     | 17          | 81.4             | 1096.0     | 1464.0     | -          |                         |
| 15      | 37916.0           | 1     | 17          | 65.7             | 1496.0     | -          | -          |                         |
| 16      | 198794.0          | 2     | 17          | 76.0             | 1733.0     | 1255.0     | -          |                         |
| 17      | 359754.0          | 2     | 17          | 81.0             | 1326.0     | 1668.0     | -          |                         |

**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                       | 5364             | 5717 | 5334 | 5705 | 5549 |
|                       |          |              |                  |          |                         | 5312             | 5260 | 5635 | 5503 | 5570 |
|                       |          |              |                  |          |                         | 5347             | 5508 | 5292 | 5447 | 5588 |
|                       |          |              |                  |          |                         | 5621             | 5638 | 5296 | 5482 | 5455 |
|                       |          |              |                  |          |                         | 5636             | 5593 | 5434 | 5306 | 5411 |
|                       |          |              |                  |          |                         | 5556             | 5378 | 5478 | 5432 | 5341 |
|                       |          |              |                  |          |                         | 5438             | 5294 | 5496 | 5285 | 5327 |
|                       |          |              |                  |          |                         | 5293             | 5502 | 5277 | 5403 | 5330 |
|                       |          |              |                  |          |                         | 5612             | 5720 | 5544 | 5615 | 5561 |
|                       |          |              |                  |          |                         | 5676             | 5704 | 5366 | 5290 | 5387 |
|                       |          |              |                  |          |                         | 5278             | 5723 | 5383 | 5368 | 5263 |
|                       |          |              |                  |          |                         | 5630             | 5375 | 5718 | 5281 | 5604 |
|                       |          |              |                  |          |                         | 5453             | 5509 | 5479 | 5400 | 5262 |
|                       |          |              |                  |          |                         | 5354             | 5467 | 5545 | 5466 | 5611 |
|                       |          |              |                  |          |                         | 5715             | 5402 | 5568 | 5641 | 5396 |
|                       |          |              |                  |          |                         | 5567             | 5557 | 5674 | 5359 | 5392 |
|                       |          |              |                  |          |                         | 5313             | 5537 | 5258 | 5475 | 5272 |
|                       |          |              |                  |          |                         | 5388             | 5474 | 5555 | 5410 | 5355 |
|                       |          |              |                  |          |                         | 5517             | 5382 | 5386 | 5664 | 5697 |
|                       |          |              |                  |          |                         | 5721             | 5268 | 5489 | 5706 | 5525 |
| (number of hits: 30 ) |          |              |                  |          |                         |                  |      |      |      |      |
| 2                     | 5570.0   | 9            | 1.0              | 333      | 1                       | 5619             | 5578 | 5270 | 5294 | 5354 |
|                       |          |              |                  |          |                         | 5660             | 5710 | 5666 | 5399 | 5656 |
|                       |          |              |                  |          |                         | 5297             | 5333 | 5642 | 5609 | 5709 |
|                       |          |              |                  |          |                         | 5668             | 5527 | 5647 | 5547 | 5284 |
|                       |          |              |                  |          |                         | 5375             | 5395 | 5384 | 5444 | 5705 |
|                       |          |              |                  |          |                         | 5584             | 5536 | 5480 | 5658 | 5453 |
|                       |          |              |                  |          |                         | 5403             | 5576 | 5588 | 5641 | 5465 |
|                       |          |              |                  |          |                         | 5674             | 5580 | 5623 | 5559 | 5627 |
|                       |          |              |                  |          |                         | 5553             | 5704 | 5673 | 5633 | 5724 |
|                       |          |              |                  |          |                         | 5373             | 5348 | 5331 | 5513 | 5637 |
|                       |          |              |                  |          |                         | 5544             | 5314 | 5585 | 5697 | 5257 |
|                       |          |              |                  |          |                         | 5672             | 5471 | 5423 | 5424 | 5638 |
|                       |          |              |                  |          |                         | 5644             | 5345 | 5569 | 5655 | 5413 |
|                       |          |              |                  |          |                         | 5271             | 5415 | 5550 | 5371 | 5335 |
|                       |          |              |                  |          |                         | 5382             | 5416 | 5533 | 5706 | 5558 |
|                       |          |              |                  |          |                         | 5535             | 5692 | 5256 | 5436 | 5716 |
|                       |          |              |                  |          |                         | 5385             | 5669 | 5458 | 5349 | 5456 |
|                       |          |              |                  |          |                         | 5336             | 5634 | 5703 | 5352 | 5280 |
| 5506                  | 5313     | 5690         | 5326             | 5631     |                         |                  |      |      |      |      |

|   |        |   |     |     |   | 5628                  | 5546 | 5289 | 5490 | 5590 |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | (number of hits: 35)  |      |      |      |      |
| 3 | 5570.0 | 9 | 1.0 | 333 | 1 | 5302                  | 5342 | 5681 | 5455 | 5611 |
|   |        |   |     |     |   | 5493                  | 5682 | 5310 | 5257 | 5606 |
|   |        |   |     |     |   | 5587                  | 5561 | 5374 | 5362 | 5630 |
|   |        |   |     |     |   | 5322                  | 5320 | 5502 | 5475 | 5364 |
|   |        |   |     |     |   | 5555                  | 5353 | 5316 | 5387 | 5357 |
|   |        |   |     |     |   | 5332                  | 5654 | 5312 | 5262 | 5409 |
|   |        |   |     |     |   | 5522                  | 5547 | 5410 | 5618 | 5253 |
|   |        |   |     |     |   | 5311                  | 5683 | 5556 | 5470 | 5258 |
|   |        |   |     |     |   | 5537                  | 5398 | 5710 | 5491 | 5469 |
|   |        |   |     |     |   | 5670                  | 5465 | 5704 | 5456 | 5406 |
|   |        |   |     |     |   | 5384                  | 5400 | 5513 | 5720 | 5365 |
|   |        |   |     |     |   | 5296                  | 5276 | 5641 | 5445 | 5626 |
|   |        |   |     |     |   | 5564                  | 5620 | 5395 | 5334 | 5290 |
|   |        |   |     |     |   | 5401                  | 5578 | 5359 | 5569 | 5586 |
|   |        |   |     |     |   | 5282                  | 5649 | 5407 | 5368 | 5647 |
|   |        |   |     |     |   | 5643                  | 5509 | 5592 | 5675 | 5678 |
|   |        |   |     |     |   | 5581                  | 5275 | 5381 | 5512 | 5600 |
|   |        |   |     |     |   | 5304                  | 5382 | 5389 | 5458 | 5666 |
|   |        |   |     |     |   | 5419                  | 5642 | 5350 | 5526 | 5519 |
|   |        |   |     |     |   | 5709                  | 5692 | 5418 | 5653 | 5354 |
|   |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 4 | 5570.0 | 9 | 1.0 | 333 | 1 | 5557                  | 5581 | 5617 | 5616 | 5356 |
|   |        |   |     |     |   | 5535                  | 5704 | 5385 | 5420 | 5338 |
|   |        |   |     |     |   | 5518                  | 5350 | 5415 | 5651 | 5313 |
|   |        |   |     |     |   | 5447                  | 5605 | 5520 | 5653 | 5563 |
|   |        |   |     |     |   | 5519                  | 5257 | 5476 | 5330 | 5598 |
|   |        |   |     |     |   | 5506                  | 5515 | 5366 | 5443 | 5661 |
|   |        |   |     |     |   | 5533                  | 5367 | 5358 | 5502 | 5606 |
|   |        |   |     |     |   | 5347                  | 5647 | 5266 | 5411 | 5451 |
|   |        |   |     |     |   | 5334                  | 5332 | 5709 | 5667 | 5394 |
|   |        |   |     |     |   | 5684                  | 5539 | 5464 | 5437 | 5665 |
|   |        |   |     |     |   | 5389                  | 5421 | 5416 | 5574 | 5488 |
|   |        |   |     |     |   | 5536                  | 5580 | 5279 | 5439 | 5324 |
|   |        |   |     |     |   | 5499                  | 5710 | 5708 | 5404 | 5305 |
|   |        |   |     |     |   | 5295                  | 5525 | 5589 | 5359 | 5452 |
|   |        |   |     |     |   | 5576                  | 5272 | 5492 | 5388 | 5551 |
|   |        |   |     |     |   | 5547                  | 5323 | 5724 | 5256 | 5721 |
|   |        |   |     |     |   | 5293                  | 5379 | 5584 | 5361 | 5508 |
|   |        |   |     |     |   | 5479                  | 5693 | 5341 | 5655 | 5715 |
|   |        |   |     |     |   | 5629                  | 5494 | 5401 | 5637 | 5423 |
|   |        |   |     |     |   | 5280                  | 5316 | 5662 | 5281 | 5649 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 5 | 5570.0 | 9 | 1.0 | 333 | 1 | 5337                  | 5345 | 5553 | 5302 | 5673 |
|   |        |   |     |     |   | 5577                  | 5629 | 5460 | 5583 | 5642 |

|   |        |   |     |     |   |                      |      |      |      |      |
|---|--------|---|-----|-----|---|----------------------|------|------|------|------|
|   |        |   |     |     |   | 5352                 | 5614 | 5456 | 5655 | 5672 |
|   |        |   |     |     |   | 5401                 | 5574 | 5611 | 5565 | 5370 |
|   |        |   |     |     |   | 5571                 | 5588 | 5295 | 5468 | 5303 |
|   |        |   |     |     |   | 5486                 | 5358 | 5718 | 5470 | 5380 |
|   |        |   |     |     |   | 5703                 | 5422 | 5324 | 5573 | 5654 |
|   |        |   |     |     |   | 5426                 | 5263 | 5634 | 5661 | 5462 |
|   |        |   |     |     |   | 5648                 | 5498 | 5270 | 5474 | 5664 |
|   |        |   |     |     |   | 5701                 | 5622 | 5425 | 5490 | 5552 |
|   |        |   |     |     |   | 5265                 | 5597 | 5467 | 5300 | 5432 |
|   |        |   |     |     |   | 5724                 | 5437 | 5469 | 5258 | 5715 |
|   |        |   |     |     |   | 5453                 | 5277 | 5637 | 5705 | 5348 |
|   |        |   |     |     |   | 5593                 | 5262 | 5561 | 5251 | 5255 |
|   |        |   |     |     |   | 5275                 | 5341 | 5364 | 5510 | 5516 |
|   |        |   |     |     |   | 5346                 | 5712 | 5504 | 5549 | 5356 |
|   |        |   |     |     |   | 5527                 | 5376 | 5264 | 5447 | 5442 |
|   |        |   |     |     |   | 5454                 | 5658 | 5428 | 5544 | 5374 |
|   |        |   |     |     |   | 5343                 | 5663 | 5478 | 5689 | 5384 |
|   |        |   |     |     |   | 5372                 | 5707 | 5274 | 5292 | 5466 |
|   |        |   |     |     |   | (number of hits: 27) |      |      |      |      |
| 6 | 5570.0 | 9 | 1.0 | 333 | 1 | 5592                 | 5584 | 5489 | 5463 | 5418 |
|   |        |   |     |     |   | 5619                 | 5651 | 5535 | 5271 | 5374 |
|   |        |   |     |     |   | 5283                 | 5500 | 5594 | 5375 | 5693 |
|   |        |   |     |     |   | 5604                 | 5714 | 5610 | 5562 | 5482 |
|   |        |   |     |     |   | 5279                 | 5711 | 5557 | 5276 | 5277 |
|   |        |   |     |     |   | 5307                 | 5446 | 5574 | 5414 | 5270 |
|   |        |   |     |     |   | 5408                 | 5281 | 5691 | 5428 | 5624 |
|   |        |   |     |     |   | 5625                 | 5354 | 5430 | 5339 | 5376 |
|   |        |   |     |     |   | 5487                 | 5581 | 5683 | 5617 | 5630 |
|   |        |   |     |     |   | 5644                 | 5705 | 5483 | 5342 | 5519 |
|   |        |   |     |     |   | 5298                 | 5518 | 5563 | 5598 | 5437 |
|   |        |   |     |     |   | 5391                 | 5659 | 5455 | 5686 | 5582 |
|   |        |   |     |     |   | 5697                 | 5469 | 5628 | 5294 | 5319 |
|   |        |   |     |     |   | 5597                 | 5631 | 5521 | 5436 | 5423 |
|   |        |   |     |     |   | 5278                 | 5665 | 5340 | 5485 | 5466 |
|   |        |   |     |     |   | 5438                 | 5315 | 5275 | 5614 | 5330 |
|   |        |   |     |     |   | 5520                 | 5590 | 5596 | 5264 | 5289 |
|   |        |   |     |     |   | 5405                 | 5646 | 5526 | 5346 | 5676 |
|   |        |   |     |     |   | 5267                 | 5539 | 5349 | 5600 | 5258 |
|   |        |   |     |     |   | 5671                 | 5533 | 5345 | 5587 | 5523 |
|   |        |   |     |     |   | (number of hits: 37) |      |      |      |      |
| 7 | 5570.0 | 9 | 1.0 | 333 | 1 | 5372                 | 5348 | 5425 | 5624 | 5260 |
|   |        |   |     |     |   | 5283                 | 5576 | 5610 | 5434 | 5581 |
|   |        |   |     |     |   | 5689                 | 5289 | 5635 | 5570 | 5714 |
|   |        |   |     |     |   | 5577                 | 5256 | 5342 | 5558 | 5279 |
|   |        |   |     |     |   | 5490                 | 5652 | 5549 | 5724 | 5640 |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5634                  | 5552 | 5300 | 5448 | 5409 |
|   |        |   |     |     |   | 5297                  | 5713 | 5431 | 5580 | 5444 |
|   |        |   |     |     |   | 5667                  | 5445 | 5701 | 5492 | 5290 |
|   |        |   |     |     |   | 5326                  | 5286 | 5621 | 5382 | 5280 |
|   |        |   |     |     |   | 5559                  | 5313 | 5541 | 5499 | 5704 |
|   |        |   |     |     |   | 5395                  | 5474 | 5569 | 5274 | 5421 |
|   |        |   |     |     |   | 5698                  | 5625 | 5345 | 5374 | 5657 |
|   |        |   |     |     |   | 5711                  | 5519 | 5642 | 5301 | 5454 |
|   |        |   |     |     |   | 5715                  | 5520 | 5536 | 5366 | 5413 |
|   |        |   |     |     |   | 5414                  | 5378 | 5417 | 5316 | 5428 |
|   |        |   |     |     |   | 5357                  | 5586 | 5484 | 5296 | 5430 |
|   |        |   |     |     |   | 5627                  | 5684 | 5653 | 5273 | 5606 |
|   |        |   |     |     |   | 5465                  | 5363 | 5491 | 5352 | 5355 |
|   |        |   |     |     |   | 5518                  | 5631 | 5688 | 5588 | 5329 |
|   |        |   |     |     |   | 5485                  | 5502 | 5590 | 5390 | 5531 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 8 | 5570.0 | 9 | 1.0 | 333 | 1 | 5530                  | 5587 | 5361 | 5310 | 5480 |
|   |        |   |     |     |   | 5325                  | 5598 | 5685 | 5500 | 5410 |
|   |        |   |     |     |   | 5523                  | 5553 | 5676 | 5290 | 5260 |
|   |        |   |     |     |   | 5568                  | 5383 | 5445 | 5603 | 5471 |
|   |        |   |     |     |   | 5498                  | 5514 | 5690 | 5638 | 5697 |
|   |        |   |     |     |   | 5431                  | 5583 | 5280 | 5404 | 5482 |
|   |        |   |     |     |   | 5451                  | 5661 | 5670 | 5646 | 5354 |
|   |        |   |     |     |   | 5642                  | 5331 | 5633 | 5594 | 5267 |
|   |        |   |     |     |   | 5301                  | 5640 | 5369 | 5559 | 5622 |
|   |        |   |     |     |   | 5277                  | 5391 | 5507 | 5396 | 5502 |
|   |        |   |     |     |   | 5552                  | 5494 | 5271 | 5650 | 5620 |
|   |        |   |     |     |   | 5363                  | 5719 | 5545 | 5338 | 5299 |
|   |        |   |     |     |   | 5564                  | 5628 | 5268 | 5684 | 5608 |
|   |        |   |     |     |   | 5283                  | 5343 | 5584 | 5572 | 5673 |
|   |        |   |     |     |   | 5683                  | 5517 | 5492 | 5381 | 5266 |
|   |        |   |     |     |   | 5292                  | 5387 | 5326 | 5706 | 5627 |
|   |        |   |     |     |   | 5682                  | 5262 | 5367 | 5276 | 5716 |
|   |        |   |     |     |   | 5270                  | 5511 | 5428 | 5458 | 5359 |
|   |        |   |     |     |   | 5351                  | 5600 | 5285 | 5394 | 5571 |
|   |        |   |     |     |   | 5400                  | 5265 | 5327 | 5643 | 5313 |
|   |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 9 | 5570.0 | 9 | 1.0 | 333 | 1 | 5310                  | 5351 | 5297 | 5374 | 5322 |
|   |        |   |     |     |   | 5367                  | 5523 | 5285 | 5663 | 5617 |
|   |        |   |     |     |   | 5454                  | 5342 | 5717 | 5485 | 5281 |
|   |        |   |     |     |   | 5656                  | 5510 | 5548 | 5648 | 5409 |
|   |        |   |     |     |   | 5680                  | 5631 | 5630 | 5670 | 5319 |
|   |        |   |     |     |   | 5435                  | 5483 | 5508 | 5516 | 5493 |
|   |        |   |     |     |   | 5647                  | 5627 | 5386 | 5506 | 5462 |
|   |        |   |     |     |   | 5470                  | 5724 | 5390 | 5420 | 5690 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5576                  | 5452 | 5497 | 5387 | 5274 |
|    |        |   |     |     |   | 5320                  | 5487 | 5479 | 5560 | 5605 |
|    |        |   |     |     |   | 5381                  | 5622 | 5671 | 5445 | 5489 |
|    |        |   |     |     |   | 5526                  | 5253 | 5279 | 5502 | 5397 |
|    |        |   |     |     |   | 5629                  | 5440 | 5678 | 5704 | 5544 |
|    |        |   |     |     |   | 5533                  | 5608 | 5408 | 5478 | 5655 |
|    |        |   |     |     |   | 5481                  | 5590 | 5268 | 5346 | 5673 |
|    |        |   |     |     |   | 5254                  | 5295 | 5258 | 5459 | 5372 |
|    |        |   |     |     |   | 5623                  | 5401 | 5267 | 5706 | 5545 |
|    |        |   |     |     |   | 5488                  | 5650 | 5324 | 5305 | 5373 |
|    |        |   |     |     |   | 5559                  | 5464 | 5660 | 5344 | 5698 |
|    |        |   |     |     |   | 5394                  | 5378 | 5363 | 5321 | 5311 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 10 | 5570.0 | 9 | 1.0 | 333 | 1 | 5565                  | 5590 | 5708 | 5535 | 5542 |
|    |        |   |     |     |   | 5409                  | 5545 | 5360 | 5351 | 5349 |
|    |        |   |     |     |   | 5288                  | 5606 | 5283 | 5583 | 5302 |
|    |        |   |     |     |   | 5269                  | 5637 | 5554 | 5693 | 5380 |
|    |        |   |     |     |   | 5417                  | 5274 | 5572 | 5719 | 5643 |
|    |        |   |     |     |   | 5682                  | 5287 | 5686 | 5612 | 5550 |
|    |        |   |     |     |   | 5632                  | 5536 | 5584 | 5504 | 5280 |
|    |        |   |     |     |   | 5660                  | 5512 | 5340 | 5661 | 5573 |
|    |        |   |     |     |   | 5604                  | 5415 | 5435 | 5530 | 5271 |
|    |        |   |     |     |   | 5627                  | 5467 | 5562 | 5618 | 5658 |
|    |        |   |     |     |   | 5646                  | 5401 | 5527 | 5722 | 5541 |
|    |        |   |     |     |   | 5268                  | 5336 | 5714 | 5372 | 5473 |
|    |        |   |     |     |   | 5526                  | 5539 | 5574 | 5369 | 5650 |
|    |        |   |     |     |   | 5367                  | 5482 | 5547 | 5715 | 5370 |
|    |        |   |     |     |   | 5598                  | 5252 | 5464 | 5484 | 5439 |
|    |        |   |     |     |   | 5622                  | 5305 | 5642 | 5374 | 5341 |
|    |        |   |     |     |   | 5711                  | 5385 | 5404 | 5264 | 5523 |
|    |        |   |     |     |   | 5448                  | 5326 | 5451 | 5270 | 5667 |
|    |        |   |     |     |   | 5356                  | 5621 | 5303 | 5724 | 5470 |
|    |        |   |     |     |   | 5639                  | 5386 | 5361 | 5278 | 5378 |
|    |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 11 | 5570.0 | 9 | 1.0 | 333 | 1 | 5345                  | 5354 | 5644 | 5696 | 5384 |
|    |        |   |     |     |   | 5548                  | 5470 | 5435 | 5514 | 5653 |
|    |        |   |     |     |   | 5694                  | 5492 | 5324 | 5303 | 5323 |
|    |        |   |     |     |   | 5357                  | 5667 | 5657 | 5641 | 5572 |
|    |        |   |     |     |   | 5425                  | 5440 | 5610 | 5711 | 5616 |
|    |        |   |     |     |   | 5473                  | 5414 | 5338 | 5584 | 5674 |
|    |        |   |     |     |   | 5541                  | 5719 | 5432 | 5480 | 5651 |
|    |        |   |     |     |   | 5431                  | 5457 | 5348 | 5615 | 5254 |
|    |        |   |     |     |   | 5715                  | 5373 | 5295 | 5365 | 5556 |
|    |        |   |     |     |   | 5447                  | 5645 | 5579 | 5533 | 5277 |
|    |        |   |     |     |   | 5703                  | 5298 | 5252 | 5566 | 5280 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5330                  | 5636 | 5562 | 5403 | 5444 |
|    |        |   |     |     |   | 5655                  | 5704 | 5519 | 5676 | 5427 |
|    |        |   |     |     |   | 5596                  | 5568 | 5583 | 5450 | 5640 |
|    |        |   |     |     |   | 5304                  | 5421 | 5547 | 5288 | 5598 |
|    |        |   |     |     |   | 5264                  | 5494 | 5484 | 5695 | 5488 |
|    |        |   |     |     |   | 5495                  | 5660 | 5293 | 5527 | 5639 |
|    |        |   |     |     |   | 5718                  | 5351 | 5643 | 5511 | 5462 |
|    |        |   |     |     |   | 5632                  | 5310 | 5394 | 5501 | 5476 |
|    |        |   |     |     |   | 5576                  | 5327 | 5378 | 5333 | 5362 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 12 | 5570.0 | 9 | 1.0 | 333 | 1 | 5503                  | 5593 | 5580 | 5382 | 5604 |
|    |        |   |     |     |   | 5590                  | 5492 | 5510 | 5385 | 5625 |
|    |        |   |     |     |   | 5281                  | 5365 | 5498 | 5344 | 5348 |
|    |        |   |     |     |   | 5319                  | 5285 | 5686 | 5386 | 5336 |
|    |        |   |     |     |   | 5509                  | 5551 | 5325 | 5589 | 5361 |
|    |        |   |     |     |   | 5563                  | 5520 | 5442 | 5618 | 5716 |
|    |        |   |     |     |   | 5411                  | 5459 | 5681 | 5300 | 5315 |
|    |        |   |     |     |   | 5522                  | 5350 | 5501 | 5529 | 5568 |
|    |        |   |     |     |   | 5323                  | 5689 | 5535 | 5362 | 5485 |
|    |        |   |     |     |   | 5427                  | 5253 | 5637 | 5667 | 5628 |
|    |        |   |     |     |   | 5404                  | 5349 | 5341 | 5389 | 5602 |
|    |        |   |     |     |   | 5518                  | 5277 | 5697 | 5415 | 5309 |
|    |        |   |     |     |   | 5394                  | 5464 | 5508 | 5639 | 5391 |
|    |        |   |     |     |   | 5380                  | 5282 | 5532 | 5582 | 5493 |
|    |        |   |     |     |   | 5533                  | 5587 | 5515 | 5574 | 5698 |
|    |        |   |     |     |   | 5483                  | 5614 | 5530 | 5676 | 5265 |
|    |        |   |     |     |   | 5605                  | 5441 | 5360 | 5636 | 5438 |
|    |        |   |     |     |   | 5351                  | 5474 | 5654 | 5500 | 5642 |
|    |        |   |     |     |   | 5321                  | 5579 | 5482 | 5610 | 5684 |
|    |        |   |     |     |   | 5388                  | 5443 | 5547 | 5581 | 5527 |
|    |        |   |     |     |   | number of hits: 44 )  |      |      |      |      |
| 13 | 5570.0 | 9 | 1.0 | 333 | 1 | 5283                  | 5357 | 5516 | 5543 | 5446 |
|    |        |   |     |     |   | 5632                  | 5417 | 5585 | 5268 | 5592 |
|    |        |   |     |     |   | 5459                  | 5545 | 5406 | 5693 | 5365 |
|    |        |   |     |     |   | 5436                  | 5388 | 5256 | 5578 | 5344 |
|    |        |   |     |     |   | 5675                  | 5492 | 5317 | 5562 | 5627 |
|    |        |   |     |     |   | 5512                  | 5723 | 5546 | 5652 | 5380 |
|    |        |   |     |     |   | 5300                  | 5455 | 5674 | 5358 | 5498 |
|    |        |   |     |     |   | 5454                  | 5710 | 5621 | 5654 | 5443 |
|    |        |   |     |     |   | 5504                  | 5678 | 5359 | 5407 | 5336 |
|    |        |   |     |     |   | 5695                  | 5720 | 5685 | 5580 | 5400 |
|    |        |   |     |     |   | 5430                  | 5687 | 5706 | 5544 | 5467 |
|    |        |   |     |     |   | 5419                  | 5289 | 5438 | 5559 | 5506 |
|    |        |   |     |     |   | 5340                  | 5554 | 5329 | 5558 | 5327 |
|    |        |   |     |     |   | 5385                  | 5662 | 5519 | 5590 | 5364 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5550                  | 5657 | 5355 | 5259 | 5673 |
|    |        |   |     |     |   | 5420                  | 5618 | 5697 | 5524 | 5275 |
|    |        |   |     |     |   | 5633                  | 5254 | 5424 | 5534 | 5274 |
|    |        |   |     |     |   | 5465                  | 5315 | 5415 | 5269 | 5488 |
|    |        |   |     |     |   | 5547                  | 5566 | 5616 | 5509 | 5427 |
|    |        |   |     |     |   | 5445                  | 5560 | 5636 | 5347 | 5432 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 14 | 5570.0 | 9 | 1.0 | 333 | 1 | 5538                  | 5596 | 5452 | 5704 | 5666 |
|    |        |   |     |     |   | 5674                  | 5439 | 5660 | 5431 | 5324 |
|    |        |   |     |     |   | 5390                  | 5334 | 5544 | 5413 | 5386 |
|    |        |   |     |     |   | 5524                  | 5573 | 5491 | 5301 | 5295 |
|    |        |   |     |     |   | 5352                  | 5269 | 5530 | 5406 | 5535 |
|    |        |   |     |     |   | 5515                  | 5364 | 5451 | 5650 | 5686 |
|    |        |   |     |     |   | 5422                  | 5664 | 5412 | 5317 | 5607 |
|    |        |   |     |     |   | 5318                  | 5496 | 5326 | 5417 | 5429 |
|    |        |   |     |     |   | 5454                  | 5343 | 5489 | 5565 | 5443 |
|    |        |   |     |     |   | 5356                  | 5721 | 5387 | 5419 | 5656 |
|    |        |   |     |     |   | 5298                  | 5475 | 5283 | 5281 | 5519 |
|    |        |   |     |     |   | 5393                  | 5498 | 5657 | 5713 | 5260 |
|    |        |   |     |     |   | 5470                  | 5724 | 5647 | 5477 | 5531 |
|    |        |   |     |     |   | 5278                  | 5594 | 5597 | 5663 | 5259 |
|    |        |   |     |     |   | 5505                  | 5690 | 5688 | 5526 | 5282 |
|    |        |   |     |     |   | 5719                  | 5638 | 5672 | 5253 | 5478 |
|    |        |   |     |     |   | 5338                  | 5630 | 5450 | 5632 | 5266 |
|    |        |   |     |     |   | 5497                  | 5466 | 5333 | 5366 | 5339 |
|    |        |   |     |     |   | 5434                  | 5591 | 5581 | 5351 | 5250 |
|    |        |   |     |     |   | 5411                  | 5442 | 5264 | 5545 | 5527 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 15 | 5570.0 | 9 | 1.0 | 333 | 1 | 5318                  | 5360 | 5388 | 5390 | 5508 |
|    |        |   |     |     |   | 5338                  | 5364 | 5260 | 5594 | 5628 |
|    |        |   |     |     |   | 5321                  | 5598 | 5585 | 5511 | 5407 |
|    |        |   |     |     |   | 5612                  | 5700 | 5497 | 5724 | 5487 |
|    |        |   |     |     |   | 5263                  | 5435 | 5471 | 5398 | 5306 |
|    |        |   |     |     |   | 5691                  | 5654 | 5279 | 5720 | 5464 |
|    |        |   |     |     |   | 5650                  | 5369 | 5532 | 5284 | 5516 |
|    |        |   |     |     |   | 5635                  | 5417 | 5310 | 5582 | 5368 |
|    |        |   |     |     |   | 5657                  | 5669 | 5503 | 5683 | 5353 |
|    |        |   |     |     |   | 5553                  | 5270 | 5502 | 5714 | 5351 |
|    |        |   |     |     |   | 5362                  | 5634 | 5457 | 5608 | 5711 |
|    |        |   |     |     |   | 5337                  | 5607 | 5452 | 5372 | 5706 |
|    |        |   |     |     |   | 5599                  | 5414 | 5396 | 5576 | 5303 |
|    |        |   |     |     |   | 5574                  | 5616 | 5702 | 5533 | 5534 |
|    |        |   |     |     |   | 5489                  | 5466 | 5428 | 5588 | 5693 |
|    |        |   |     |     |   | 5537                  | 5478 | 5293 | 5402 | 5387 |
|    |        |   |     |     |   | 5716                  | 5449 | 5266 | 5259 | 5377 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5401                  | 5627 | 5645 | 5632 | 5583 |
|    |        |   |     |     |   | 5557                  | 5561 | 5298 | 5320 | 5339 |
|    |        |   |     |     |   | 5597                  | 5518 | 5708 | 5262 | 5543 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 16 | 5570.0 | 9 | 1.0 | 333 | 1 | 5573                  | 5599 | 5324 | 5551 | 5253 |
|    |        |   |     |     |   | 5380                  | 5386 | 5335 | 5660 | 5360 |
|    |        |   |     |     |   | 5630                  | 5484 | 5626 | 5706 | 5428 |
|    |        |   |     |     |   | 5603                  | 5255 | 5600 | 5294 | 5679 |
|    |        |   |     |     |   | 5271                  | 5504 | 5412 | 5487 | 5481 |
|    |        |   |     |     |   | 5669                  | 5640 | 5382 | 5480 | 5279 |
|    |        |   |     |     |   | 5506                  | 5539 | 5326 | 5272 | 5533 |
|    |        |   |     |     |   | 5336                  | 5299 | 5508 | 5581 | 5260 |
|    |        |   |     |     |   | 5282                  | 5496 | 5277 | 5441 | 5448 |
|    |        |   |     |     |   | 5447                  | 5482 | 5250 | 5585 | 5297 |
|    |        |   |     |     |   | 5404                  | 5627 | 5510 | 5633 | 5553 |
|    |        |   |     |     |   | 5319                  | 5534 | 5659 | 5320 | 5406 |
|    |        |   |     |     |   | 5562                  | 5351 | 5677 | 5579 | 5438 |
|    |        |   |     |     |   | 5408                  | 5604 | 5520 | 5342 | 5651 |
|    |        |   |     |     |   | 5569                  | 5366 | 5284 | 5647 | 5500 |
|    |        |   |     |     |   | 5574                  | 5318 | 5289 | 5381 | 5437 |
|    |        |   |     |     |   | 5522                  | 5530 | 5697 | 5701 | 5376 |
|    |        |   |     |     |   | 5515                  | 5444 | 5561 | 5624 | 5365 |
|    |        |   |     |     |   | 5535                  | 5278 | 5641 | 5371 | 5587 |
|    |        |   |     |     |   | 5357                  | 5552 | 5493 | 5560 | 5608 |
|    |        |   |     |     |   | (number of hits: 41 ) |      |      |      |      |
| 17 | 5570.0 | 9 | 1.0 | 333 | 1 | 5256                  | 5460 | 5260 | 5615 | 5570 |
|    |        |   |     |     |   | 5422                  | 5311 | 5410 | 5348 | 5567 |
|    |        |   |     |     |   | 5561                  | 5273 | 5667 | 5426 | 5449 |
|    |        |   |     |     |   | 5691                  | 5382 | 5703 | 5339 | 5396 |
|    |        |   |     |     |   | 5279                  | 5670 | 5353 | 5479 | 5454 |
|    |        |   |     |     |   | 5557                  | 5492 | 5488 | 5584 | 5313 |
|    |        |   |     |     |   | 5645                  | 5525 | 5283 | 5487 | 5685 |
|    |        |   |     |     |   | 5534                  | 5341 | 5599 | 5377 | 5413 |
|    |        |   |     |     |   | 5671                  | 5335 | 5360 | 5379 | 5591 |
|    |        |   |     |     |   | 5444                  | 5411 | 5705 | 5668 | 5258 |
|    |        |   |     |     |   | 5457                  | 5514 | 5289 | 5334 | 5604 |
|    |        |   |     |     |   | 5408                  | 5357 | 5603 | 5263 | 5655 |
|    |        |   |     |     |   | 5548                  | 5551 | 5269 | 5383 | 5715 |
|    |        |   |     |     |   | 5527                  | 5466 | 5640 | 5600 | 5508 |
|    |        |   |     |     |   | 5576                  | 5651 | 5450 | 5669 | 5560 |
|    |        |   |     |     |   | 5321                  | 5613 | 5609 | 5642 | 5678 |
|    |        |   |     |     |   | 5478                  | 5486 | 5296 | 5608 | 5624 |
|    |        |   |     |     |   | 5524                  | 5438 | 5364 | 5580 | 5470 |
|    |        |   |     |     |   | 5606                  | 5325 | 5555 | 5489 | 5375 |

|    |        |   |     |     |   | 5480<br>(number of hits: 33 ) | 5674 | 5663 | 5282 | 5573 |
|----|--------|---|-----|-----|---|-------------------------------|------|------|------|------|
| 18 | 5570.0 | 9 | 1.0 | 333 | 1 | 5511                          | 5699 | 5671 | 5301 | 5315 |
|    |        |   |     |     |   | 5464                          | 5333 | 5485 | 5396 | 5492 |
|    |        |   |     |     |   | 5537                          | 5708 | 5621 | 5470 | 5304 |
|    |        |   |     |     |   | 5509                          | 5331 | 5287 | 5588 | 5665 |
|    |        |   |     |     |   | 5264                          | 5391 | 5568 | 5427 | 5348 |
|    |        |   |     |     |   | 5441                          | 5691 | 5688 | 5347 | 5687 |
|    |        |   |     |     |   | 5414                          | 5715 | 5605 | 5459 | 5354 |
|    |        |   |     |     |   | 5480                          | 5312 | 5648 | 5663 | 5682 |
|    |        |   |     |     |   | 5271                          | 5540 | 5317 | 5356 | 5718 |
|    |        |   |     |     |   | 5685                          | 5276 | 5316 | 5413 | 5640 |
|    |        |   |     |     |   | 5510                          | 5655 | 5497 | 5558 | 5450 |
|    |        |   |     |     |   | 5599                          | 5692 | 5370 | 5367 | 5522 |
|    |        |   |     |     |   | 5434                          | 5328 | 5547 | 5353 | 5412 |
|    |        |   |     |     |   | 5366                          | 5549 | 5544 | 5408 | 5446 |
|    |        |   |     |     |   | 5253                          | 5266 | 5546 | 5421 | 5462 |
|    |        |   |     |     |   | 5355                          | 5481 | 5719 | 5659 | 5633 |
|    |        |   |     |     |   | 5499                          | 5552 | 5297 | 5521 | 5280 |
|    |        |   |     |     |   | 5438                          | 5681 | 5543 | 5565 | 5474 |
|    |        |   |     |     |   | 5279                          | 5608 | 5375 | 5619 | 5712 |
|    |        |   |     |     |   | 5523                          | 5257 | 5541 | 5507 | 5261 |
|    |        |   |     |     |   | (number of hits: 31 )         |      |      |      |      |
| 19 | 5570.0 | 9 | 1.0 | 333 | 1 | 5291                          | 5463 | 5607 | 5462 | 5632 |
|    |        |   |     |     |   | 5603                          | 5258 | 5560 | 5674 | 5326 |
|    |        |   |     |     |   | 5274                          | 5341 | 5491 | 5392 | 5636 |
|    |        |   |     |     |   | 5434                          | 5332 | 5305 | 5673 | 5430 |
|    |        |   |     |     |   | 5400                          | 5711 | 5293 | 5419 | 5317 |
|    |        |   |     |     |   | 5381                          | 5254 | 5303 | 5672 | 5345 |
|    |        |   |     |     |   | 5611                          | 5649 | 5619 | 5403 | 5541 |
|    |        |   |     |     |   | 5596                          | 5585 | 5623 | 5633 | 5438 |
|    |        |   |     |     |   | 5647                          | 5665 | 5359 | 5374 | 5466 |
|    |        |   |     |     |   | 5666                          | 5516 | 5589 | 5706 | 5586 |
|    |        |   |     |     |   | 5394                          | 5312 | 5646 | 5661 | 5493 |
|    |        |   |     |     |   | 5543                          | 5599 | 5273 | 5476 | 5276 |
|    |        |   |     |     |   | 5455                          | 5664 | 5498 | 5580 | 5618 |
|    |        |   |     |     |   | 5338                          | 5531 | 5435 | 5629 | 5424 |
|    |        |   |     |     |   | 5311                          | 5309 | 5314 | 5450 | 5310 |
|    |        |   |     |     |   | 5290                          | 5640 | 5410 | 5609 | 5333 |
|    |        |   |     |     |   | 5461                          | 5275 | 5518 | 5572 | 5620 |
|    |        |   |     |     |   | 5506                          | 5282 | 5342 | 5330 | 5573 |
|    |        |   |     |     |   | 5718                          | 5557 | 5517 | 5601 | 5708 |
|    |        |   |     |     |   | 5298                          | 5525 | 5405 | 5304 | 5682 |
|    |        |   |     |     |   | (number of hits: 38 )         |      |      |      |      |
| 20 | 5570.0 | 9 | 1.0 | 333 | 1 | 5546                          | 5702 | 5543 | 5623 | 5377 |
|    |        |   |     |     |   | 5645                          | 5280 | 5635 | 5265 | 5335 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5257                  | 5590 | 5315 | 5439 | 5512 |
|    |        |   |     |     |   | 5383                  | 5288 | 5440 | 5594 | 5681 |
|    |        |   |     |     |   | 5596                  | 5273 | 5649 | 5373 | 5502 |
|    |        |   |     |     |   | 5620                  | 5622 | 5518 | 5415 | 5393 |
|    |        |   |     |     |   | 5289                  | 5629 | 5560 | 5385 | 5372 |
|    |        |   |     |     |   | 5283                  | 5494 | 5337 | 5510 | 5424 |
|    |        |   |     |     |   | 5706                  | 5571 | 5361 | 5435 | 5479 |
|    |        |   |     |     |   | 5442                  | 5519 | 5456 | 5392 | 5290 |
|    |        |   |     |     |   | 5282                  | 5297 | 5679 | 5716 | 5500 |
|    |        |   |     |     |   | 5600                  | 5275 | 5464 | 5672 | 5308 |
|    |        |   |     |     |   | 5577                  | 5401 | 5390 | 5447 | 5450 |
|    |        |   |     |     |   | 5608                  | 5334 | 5507 | 5615 | 5524 |
|    |        |   |     |     |   | 5285                  | 5322 | 5430 | 5433 | 5621 |
|    |        |   |     |     |   | 5662                  | 5719 | 5589 | 5528 | 5515 |
|    |        |   |     |     |   | 5292                  | 5462 | 5566 | 5307 | 5284 |
|    |        |   |     |     |   | 5296                  | 5474 | 5724 | 5399 | 5710 |
|    |        |   |     |     |   | 5250                  | 5353 | 5509 | 5303 | 5597 |
|    |        |   |     |     |   | 5407                  | 5428 | 5562 | 5678 | 5300 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 21 | 5570.0 | 9 | 1.0 | 333 | 1 | 5704                  | 5466 | 5479 | 5309 | 5597 |
|    |        |   |     |     |   | 5687                  | 5680 | 5710 | 5428 | 5639 |
|    |        |   |     |     |   | 5566                  | 5379 | 5356 | 5634 | 5533 |
|    |        |   |     |     |   | 5471                  | 5318 | 5543 | 5422 | 5311 |
|    |        |   |     |     |   | 5592                  | 5665 | 5641 | 5443 | 5390 |
|    |        |   |     |     |   | 5569                  | 5350 | 5622 | 5449 | 5435 |
|    |        |   |     |     |   | 5653                  | 5586 | 5300 | 5537 | 5667 |
|    |        |   |     |     |   | 5325                  | 5585 | 5608 | 5269 | 5521 |
|    |        |   |     |     |   | 5263                  | 5314 | 5509 | 5504 | 5529 |
|    |        |   |     |     |   | 5408                  | 5528 | 5525 | 5393 | 5572 |
|    |        |   |     |     |   | 5343                  | 5646 | 5333 | 5386 | 5502 |
|    |        |   |     |     |   | 5660                  | 5688 | 5554 | 5465 | 5677 |
|    |        |   |     |     |   | 5338                  | 5326 | 5454 | 5260 | 5615 |
|    |        |   |     |     |   | 5403                  | 5347 | 5591 | 5396 | 5555 |
|    |        |   |     |     |   | 5515                  | 5579 | 5601 | 5527 | 5387 |
|    |        |   |     |     |   | 5261                  | 5707 | 5291 | 5550 | 5602 |
|    |        |   |     |     |   | 5439                  | 5257 | 5370 | 5692 | 5498 |
|    |        |   |     |     |   | 5512                  | 5487 | 5719 | 5401 | 5650 |
|    |        |   |     |     |   | 5335                  | 5402 | 5255 | 5659 | 5722 |
|    |        |   |     |     |   | 5364                  | 5493 | 5676 | 5510 | 5700 |
|    |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 22 | 5570.0 | 9 | 1.0 | 333 | 1 | 5484                  | 5705 | 5415 | 5470 | 5439 |
|    |        |   |     |     |   | 5351                  | 5702 | 5310 | 5591 | 5371 |
|    |        |   |     |     |   | 5497                  | 5265 | 5494 | 5354 | 5554 |
|    |        |   |     |     |   | 5559                  | 5445 | 5646 | 5370 | 5503 |
|    |        |   |     |     |   | 5600                  | 5356 | 5252 | 5255 | 5416 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5656                 | 5421 | 5456 | 5251 | 5483 |
|    |        |   |     |     |   | 5477                 | 5542 | 5543 | 5418 | 5311 |
|    |        |   |     |     |   | 5390                 | 5464 | 5676 | 5501 | 5422 |
|    |        |   |     |     |   | 5435                 | 5674 | 5447 | 5269 | 5526 |
|    |        |   |     |     |   | 5337                 | 5508 | 5608 | 5451 | 5625 |
|    |        |   |     |     |   | 5522                 | 5642 | 5384 | 5475 | 5703 |
|    |        |   |     |     |   | 5507                 | 5401 | 5655 | 5496 | 5309 |
|    |        |   |     |     |   | 5455                 | 5619 | 5680 | 5326 | 5414 |
|    |        |   |     |     |   | 5345                 | 5492 | 5295 | 5318 | 5273 |
|    |        |   |     |     |   | 5587                 | 5530 | 5711 | 5615 | 5666 |
|    |        |   |     |     |   | 5638                 | 5670 | 5622 | 5583 | 5691 |
|    |        |   |     |     |   | 5367                 | 5626 | 5381 | 5561 | 5412 |
|    |        |   |     |     |   | 5682                 | 5718 | 5589 | 5286 | 5289 |
|    |        |   |     |     |   | 5553                 | 5314 | 5329 | 5261 | 5465 |
|    |        |   |     |     |   | 5541                 | 5463 | 5574 | 5671 | 5458 |
|    |        |   |     |     |   | (number of hits: 33) |      |      |      |      |
| 23 | 5570.0 | 9 | 1.0 | 333 | 1 | 5264                 | 5469 | 5351 | 5631 | 5659 |
|    |        |   |     |     |   | 5393                 | 5627 | 5385 | 5279 | 5578 |
|    |        |   |     |     |   | 5428                 | 5529 | 5535 | 5549 | 5575 |
|    |        |   |     |     |   | 5647                 | 5572 | 5274 | 5415 | 5695 |
|    |        |   |     |     |   | 5608                 | 5425 | 5668 | 5722 | 5389 |
|    |        |   |     |     |   | 5544                 | 5370 | 5355 | 5517 | 5616 |
|    |        |   |     |     |   | 5528                 | 5500 | 5633 | 5463 | 5685 |
|    |        |   |     |     |   | 5603                 | 5292 | 5297 | 5349 | 5513 |
|    |        |   |     |     |   | 5577                 | 5509 | 5523 | 5644 | 5488 |
|    |        |   |     |     |   | 5691                 | 5412 | 5678 | 5495 | 5398 |
|    |        |   |     |     |   | 5343                 | 5435 | 5564 | 5526 | 5451 |
|    |        |   |     |     |   | 5589                 | 5462 | 5315 | 5280 | 5584 |
|    |        |   |     |     |   | 5309                 | 5625 | 5336 | 5615 | 5294 |
|    |        |   |     |     |   | 5530                 | 5702 | 5565 | 5596 | 5345 |
|    |        |   |     |     |   | 5670                 | 5630 | 5560 | 5591 | 5607 |
|    |        |   |     |     |   | 5693                 | 5468 | 5477 | 5407 | 5545 |
|    |        |   |     |     |   | 5721                 | 5409 | 5402 | 5525 | 5552 |
|    |        |   |     |     |   | 5381                 | 5483 | 5340 | 5326 | 5609 |
|    |        |   |     |     |   | 5494                 | 5364 | 5499 | 5423 | 5465 |
|    |        |   |     |     |   | 5518                 | 5558 | 5569 | 5716 | 5718 |
|    |        |   |     |     |   | (number of hits: 45) |      |      |      |      |
| 24 | 5570.0 | 9 | 1.0 | 333 | 1 | 5519                 | 5708 | 5287 | 5695 | 5501 |
|    |        |   |     |     |   | 5435                 | 5649 | 5460 | 5442 | 5407 |
|    |        |   |     |     |   | 5262                 | 5318 | 5576 | 5269 | 5596 |
|    |        |   |     |     |   | 5638                 | 5699 | 5377 | 5412 | 5591 |
|    |        |   |     |     |   | 5706                 | 5336 | 5362 | 5432 | 5697 |
|    |        |   |     |     |   | 5387                 | 5556 | 5454 | 5658 | 5417 |
|    |        |   |     |     |   | 5457                 | 5373 | 5712 | 5408 | 5645 |
|    |        |   |     |     |   | 5480                 | 5568 | 5350 | 5360 | 5352 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5660                  | 5323 | 5652 | 5520 | 5573 |
|    |        |   |     |     |   | 5468                  | 5299 | 5470 | 5634 | 5285 |
|    |        |   |     |     |   | 5274                  | 5486 | 5275 | 5349 | 5298 |
|    |        |   |     |     |   | 5680                  | 5416 | 5463 | 5512 | 5251 |
|    |        |   |     |     |   | 5713                  | 5474 | 5667 | 5683 | 5453 |
|    |        |   |     |     |   | 5282                  | 5438 | 5718 | 5566 | 5534 |
|    |        |   |     |     |   | 5399                  | 5514 | 5656 | 5633 | 5409 |
|    |        |   |     |     |   | 5567                  | 5584 | 5338 | 5545 | 5623 |
|    |        |   |     |     |   | 5490                  | 5663 | 5612 | 5309 | 5406 |
|    |        |   |     |     |   | 5694                  | 5525 | 5499 | 5448 | 5294 |
|    |        |   |     |     |   | 5574                  | 5332 | 5659 | 5370 | 5436 |
|    |        |   |     |     |   | 5477                  | 5415 | 5542 | 5467 | 5319 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 25 | 5570.0 | 9 | 1.0 | 333 | 1 | 5299                  | 5472 | 5698 | 5381 | 5721 |
|    |        |   |     |     |   | 5477                  | 5574 | 5535 | 5508 | 5614 |
|    |        |   |     |     |   | 5668                  | 5582 | 5617 | 5367 | 5251 |
|    |        |   |     |     |   | 5351                  | 5383 | 5505 | 5604 | 5527 |
|    |        |   |     |     |   | 5660                  | 5647 | 5328 | 5335 | 5549 |
|    |        |   |     |     |   | 5590                  | 5488 | 5700 | 5403 | 5414 |
|    |        |   |     |     |   | 5588                  | 5389 | 5703 | 5309 | 5571 |
|    |        |   |     |     |   | 5364                  | 5503 | 5274 | 5666 | 5365 |
|    |        |   |     |     |   | 5261                  | 5417 | 5517 | 5405 | 5448 |
|    |        |   |     |     |   | 5382                  | 5528 | 5687 | 5695 | 5537 |
|    |        |   |     |     |   | 5717                  | 5393 | 5370 | 5653 | 5331 |
|    |        |   |     |     |   | 5600                  | 5270 | 5639 | 5612 | 5515 |
|    |        |   |     |     |   | 5376                  | 5667 | 5269 | 5252 | 5677 |
|    |        |   |     |     |   | 5586                  | 5642 | 5258 | 5636 | 5543 |
|    |        |   |     |     |   | 5458                  | 5479 | 5623 | 5400 | 5444 |
|    |        |   |     |     |   | 5301                  | 5372 | 5428 | 5341 | 5575 |
|    |        |   |     |     |   | 5290                  | 5316 | 5345 | 5347 | 5627 |
|    |        |   |     |     |   | 5349                  | 5470 | 5565 | 5432 | 5628 |
|    |        |   |     |     |   | 5676                  | 5447 | 5672 | 5552 | 5468 |
|    |        |   |     |     |   | 5469                  | 5359 | 5321 | 5325 | 5678 |
|    |        |   |     |     |   | (number of hits: 32 ) |      |      |      |      |
| 26 | 5570.0 | 9 | 1.0 | 333 | 1 | 5457                  | 5711 | 5634 | 5542 | 5563 |
|    |        |   |     |     |   | 5616                  | 5596 | 5610 | 5671 | 5346 |
|    |        |   |     |     |   | 5599                  | 5371 | 5658 | 5562 | 5638 |
|    |        |   |     |     |   | 5339                  | 5381 | 5486 | 5453 | 5321 |
|    |        |   |     |     |   | 5535                  | 5351 | 5588 | 5417 | 5308 |
|    |        |   |     |     |   | 5586                  | 5498 | 5318 | 5289 | 5522 |
|    |        |   |     |     |   | 5364                  | 5292 | 5706 | 5426 | 5448 |
|    |        |   |     |     |   | 5662                  | 5257 | 5656 | 5663 | 5505 |
|    |        |   |     |     |   | 5674                  | 5657 | 5514 | 5334 | 5428 |
|    |        |   |     |     |   | 5465                  | 5489 | 5265 | 5437 | 5404 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5396                  | 5373 | 5564 | 5581 | 5324 |
|    |        |   |     |     |   | 5368                  | 5625 | 5571 | 5399 | 5329 |
|    |        |   |     |     |   | 5557                  | 5347 | 5677 | 5271 | 5462 |
|    |        |   |     |     |   | 5541                  | 5576 | 5383 | 5280 | 5250 |
|    |        |   |     |     |   | 5261                  | 5485 | 5519 | 5502 | 5578 |
|    |        |   |     |     |   | 5525                  | 5604 | 5652 | 5613 | 5700 |
|    |        |   |     |     |   | 5435                  | 5400 | 5609 | 5331 | 5635 |
|    |        |   |     |     |   | 5385                  | 5281 | 5299 | 5595 | 5350 |
|    |        |   |     |     |   | 5382                  | 5407 | 5695 | 5546 | 5683 |
|    |        |   |     |     |   | 5607                  | 5263 | 5655 | 5550 | 5459 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 27 | 5570.0 | 9 | 1.0 | 333 | 1 | 5712                  | 5475 | 5570 | 5703 | 5308 |
|    |        |   |     |     |   | 5658                  | 5521 | 5685 | 5359 | 5650 |
|    |        |   |     |     |   | 5433                  | 5257 | 5699 | 5282 | 5659 |
|    |        |   |     |     |   | 5427                  | 5508 | 5589 | 5498 | 5610 |
|    |        |   |     |     |   | 5446                  | 5420 | 5626 | 5409 | 5281 |
|    |        |   |     |     |   | 5377                  | 5350 | 5424 | 5393 | 5556 |
|    |        |   |     |     |   | 5406                  | 5656 | 5328 | 5315 | 5721 |
|    |        |   |     |     |   | 5587                  | 5278 | 5528 | 5431 | 5674 |
|    |        |   |     |     |   | 5441                  | 5531 | 5515 | 5422 | 5608 |
|    |        |   |     |     |   | 5263                  | 5408 | 5548 | 5547 | 5318 |
|    |        |   |     |     |   | 5324                  | 5280 | 5572 | 5639 | 5542 |
|    |        |   |     |     |   | 5671                  | 5294 | 5558 | 5347 | 5494 |
|    |        |   |     |     |   | 5502                  | 5654 | 5600 | 5692 | 5663 |
|    |        |   |     |     |   | 5662                  | 5577 | 5311 | 5414 | 5661 |
|    |        |   |     |     |   | 5352                  | 5711 | 5361 | 5334 | 5398 |
|    |        |   |     |     |   | 5461                  | 5289 | 5698 | 5668 | 5585 |
|    |        |   |     |     |   | 5429                  | 5723 | 5481 | 5629 | 5595 |
|    |        |   |     |     |   | 5300                  | 5329 | 5331 | 5597 | 5598 |
|    |        |   |     |     |   | 5624                  | 5368 | 5645 | 5679 | 5485 |
|    |        |   |     |     |   | 5707                  | 5563 | 5591 | 5636 | 5537 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 28 | 5570.0 | 9 | 1.0 | 333 | 1 | 5492                  | 5714 | 5506 | 5389 | 5625 |
|    |        |   |     |     |   | 5700                  | 5543 | 5285 | 5522 | 5382 |
|    |        |   |     |     |   | 5364                  | 5521 | 5265 | 5477 | 5680 |
|    |        |   |     |     |   | 5418                  | 5635 | 5692 | 5327 | 5454 |
|    |        |   |     |     |   | 5586                  | 5567 | 5498 | 5254 | 5299 |
|    |        |   |     |     |   | 5627                  | 5594 | 5590 | 5448 | 5642 |
|    |        |   |     |     |   | 5661                  | 5564 | 5541 | 5629 | 5369 |
|    |        |   |     |     |   | 5324                  | 5584 | 5588 | 5280 | 5614 |
|    |        |   |     |     |   | 5453                  | 5565 | 5605 | 5570 | 5291 |
|    |        |   |     |     |   | 5631                  | 5371 | 5589 | 5534 | 5273 |
|    |        |   |     |     |   | 5690                  | 5494 | 5355 | 5482 | 5707 |
|    |        |   |     |     |   | 5641                  | 5513 | 5657 | 5659 | 5544 |
|    |        |   |     |     |   | 5486                  | 5426 | 5638 | 5611 | 5516 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5618                  | 5684 | 5464 | 5697 | 5658 |
|    |        |   |     |     |   | 5374                  | 5420 | 5258 | 5721 | 5566 |
|    |        |   |     |     |   | 5681                  | 5358 | 5262 | 5696 | 5297 |
|    |        |   |     |     |   | 5621                  | 5709 | 5439 | 5672 | 5304 |
|    |        |   |     |     |   | 5616                  | 5368 | 5491 | 5475 | 5341 |
|    |        |   |     |     |   | 5580                  | 5318 | 5281 | 5380 | 5519 |
|    |        |   |     |     |   | 5537                  | 5362 | 5645 | 5524 | 5325 |
|    |        |   |     |     |   | (number of hits: 43 ) |      |      |      |      |
| 29 | 5570.0 | 9 | 1.0 | 333 | 1 | 5272                  | 5478 | 5539 | 5550 | 5370 |
|    |        |   |     |     |   | 5267                  | 5565 | 5360 | 5588 | 5589 |
|    |        |   |     |     |   | 5295                  | 5310 | 5306 | 5672 | 5701 |
|    |        |   |     |     |   | 5506                  | 5287 | 5320 | 5491 | 5519 |
|    |        |   |     |     |   | 5462                  | 5655 | 5508 | 5490 | 5702 |
|    |        |   |     |     |   | 5531                  | 5626 | 5355 | 5698 | 5624 |
|    |        |   |     |     |   | 5717                  | 5401 | 5716 | 5264 | 5293 |
|    |        |   |     |     |   | 5557                  | 5692 | 5262 | 5502 | 5594 |
|    |        |   |     |     |   | 5319                  | 5391 | 5330 | 5602 | 5499 |
|    |        |   |     |     |   | 5271                  | 5336 | 5663 | 5424 | 5476 |
|    |        |   |     |     |   | 5410                  | 5449 | 5266 | 5342 | 5317 |
|    |        |   |     |     |   | 5299                  | 5670 | 5564 | 5463 | 5460 |
|    |        |   |     |     |   | 5387                  | 5311 | 5349 | 5489 | 5415 |
|    |        |   |     |     |   | 5252                  | 5681 | 5687 | 5560 | 5552 |
|    |        |   |     |     |   | 5353                  | 5576 | 5593 | 5683 | 5464 |
|    |        |   |     |     |   | 5507                  | 5350 | 5379 | 5605 | 5366 |
|    |        |   |     |     |   | 5382                  | 5547 | 5361 | 5371 | 5518 |
|    |        |   |     |     |   | 5385                  | 5721 | 5294 | 5341 | 5612 |
|    |        |   |     |     |   | 5378                  | 5621 | 5389 | 5457 | 5292 |
|    |        |   |     |     |   | 5534                  | 5497 | 5412 | 5374 | 5597 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 30 | 5570.0 | 9 | 1.0 | 333 | 1 | 5430                  | 5717 | 5475 | 5711 | 5687 |
|    |        |   |     |     |   | 5406                  | 5490 | 5435 | 5276 | 5321 |
|    |        |   |     |     |   | 5604                  | 5574 | 5444 | 5295 | 5722 |
|    |        |   |     |     |   | 5594                  | 5414 | 5326 | 5536 | 5373 |
|    |        |   |     |     |   | 5346                  | 5546 | 5579 | 5675 | 5419 |
|    |        |   |     |     |   | 5478                  | 5558 | 5327 | 5658 | 5629 |
|    |        |   |     |     |   | 5420                  | 5674 | 5519 | 5559 | 5432 |
|    |        |   |     |     |   | 5648                  | 5488 | 5512 | 5513 | 5433 |
|    |        |   |     |     |   | 5402                  | 5329 | 5570 | 5599 | 5331 |
|    |        |   |     |     |   | 5251                  | 5624 | 5477 | 5266 | 5286 |
|    |        |   |     |     |   | 5625                  | 5317 | 5431 | 5518 | 5621 |
|    |        |   |     |     |   | 5653                  | 5279 | 5358 | 5343 | 5514 |
|    |        |   |     |     |   | 5434                  | 5650 | 5627 | 5413 | 5509 |
|    |        |   |     |     |   | 5491                  | 5660 | 5371 | 5545 | 5665 |
|    |        |   |     |     |   | 5291                  | 5467 | 5259 | 5338 | 5486 |

|  |  |  |  |  |  |                       |      |      |      |      |
|--|--|--|--|--|--|-----------------------|------|------|------|------|
|  |  |  |  |  |  | 5428                  | 5528 | 5613 | 5481 | 5299 |
|  |  |  |  |  |  | 5549                  | 5309 | 5612 | 5695 | 5681 |
|  |  |  |  |  |  | 5581                  | 5422 | 5540 | 5386 | 5699 |
|  |  |  |  |  |  | 5503                  | 5446 | 5256 | 5462 | 5640 |
|  |  |  |  |  |  | 5427                  | 5377 | 5487 | 5398 | 5307 |
|  |  |  |  |  |  | (number of hits: 32 ) |      |      |      |      |

**P2MP Mode  
Pine Radio****5570 MHz, 160 MHz Bandwidth**

| <b>Radar Signal Type</b>      | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>             | 30                           | 96.7 %               | 60%              | Pass             |
| <b>Type 2</b>                 | 30                           | 90 %                 | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 93.3 %               | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 83.3 %               | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 90.8%                | 80%              | Pass             |
| <b>Type 5</b>                 | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                 | 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.*

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 57                 | 1.0  | 938                                | 1                                  |
| 2   | 76                 | 1.0  | 698                                | 1                                  |
| 3   | 86                 | 1.0  | 618                                | 1                                  |
| 4   | 99                 | 1.0  | 538                                | 1                                  |
| 5   | 61                 | 1.0  | 878                                | 1                                  |
| 6   | 18                 | 1.0  | 3066                               | 1                                  |
| 7   | 83                 | 1.0  | 638                                | 1                                  |
| 8   | 58                 | 1.0  | 918                                | 1                                  |
| 9   | 63                 | 1.0  | 838                                | 1                                  |
| 10  | 62                 | 1.0  | 858                                | 1                                  |
| 11  | 67                 | 1.0  | 798                                | 1                                  |
| 12  | 74                 | 1.0  | 718                                | 0                                  |
| 13  | 92                 | 1.0  | 578                                | 1                                  |
| 14  | 89                 | 1.0  | 598                                | 1                                  |
| 15  | 95                 | 1.0  | 558                                | 1                                  |
| 16  | 21                 | 1.0  | 2536                               | 1                                  |
| 17  | 55                 | 1.0  | 966                                | 1                                  |
| 18  | 64                 | 1.0  | 827                                | 1                                  |
| 19  | 22                 | 1.0  | 2501                               | 1                                  |
| 20  | 21                 | 1.0  | 2595                               | 1                                  |
| 21  | 48                 | 1.0  | 1114                               | 1                                  |
| 22  | 41                 | 1.0  | 1302                               | 1                                  |
| 23  | 18                 | 1.0  | 3045                               | 1                                  |
| 24  | 33                 | 1.0  | 1624                               | 1                                  |
| 25  | 19                 | 1.0  | 2878                               | 1                                  |
| 26  | 52                 | 1.0  | 1027                               | 1                                  |
| 27  | 22                 | 1.0  | 2485                               | 1                                  |
| 28  | 33                 | 1.0  | 1600                               | 1                                  |
| 29  | 46                 | 1.0  | 1172                               | 1                                  |
| 30  | 45                 | 1.0  | 1177                               | 1                                  |
| <b>Detection Percentage: 96.7 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-2 Radar Type 2 Statistical Performance**

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

| <b>Trial #</b>                              | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 26                 | 3.2  | 179                                | 1                                  |
| 2   | 23                 | 1.1  | 207                                | 1                                  |
| 3   | 24                 | 2.1  | 230                                | 1                                  |
| 4   | 29                 | 4.8  | 200                                | 1                                  |
| 5   | 28                 | 3.9  | 214                                | 1                                  |
| 6   | 26                 | 2.9  | 222                                | 1                                  |
| 7   | 26                 | 3.2  | 204                                | 1                                  |
| 8   | 25                 | 2.5  | 192                                | 1                                  |
| 9   | 26                 | 3.1  | 164                                | 1                                  |
| 10  | 23                 | 1.2  | 156                                | 1                                  |
| 11  | 27                 | 3.9  | 210                                | 1                                  |
| 12  | 29                 | 4.6  | 201                                | 1                                  |
| 13  | 26                 | 3.2  | 162                                | 1                                  |
| 14  | 25                 | 2.2  | 197                                | 0                                  |
| 15  | 29                 | 4.5  | 163                                | 1                                  |
| 16  | 26                 | 3  | 203                                | 0                                  |
| 17  | 29                 | 5  | 168                                | 0                                  |
| 18  | 25                 | 2.4  | 217                                | 1                                  |
| 19  | 26                 | 2.9  | 191                                | 1                                  |
| 20  | 25                 | 2.3  | 166                                | 1                                  |
| 21  | 27                 | 3.7  | 150                                | 1                                  |
| 22  | 25                 | 2.2  | 176                                | 1                                  |
| 23  | 29                 | 4.9  | 195                                | 1                                  |
| 24  | 26                 | 2.9  | 202                                | 1                                  |
| 25  | 25                 | 2.5  | 178                                | 1                                  |
| 26  | 23                 | 1.1  | 206                                | 1                                  |
| 27  | 27                 | 3.8  | 155                                | 1                                  |
| 28  | 29                 | 4.7  | 157                                | 1                                  |
| 29  | 25                 | 2.4  | 224                                | 1                                  |
| 30  | 28                 | 4.2  | 159                                | 1                                  |
| <b>Detection Percentage: 90 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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          | 8.2              | 355      | 1                       |
| 2   | 16          | 6.1              | 487      | 1                       |
| 3   | 16          | 7.1              | 344      | 0                       |
| 4   | 18          | 9.8              | 288      | 1                       |
| 5   | 18          | 8.9              | 230      | 1                       |
| 6   | 17          | 7.9              | 432      | 1                       |
| 7   | 17          | 8.2              | 207      | 1                       |
| 8   | 17          | 7.5              | 443      | 1                       |
| 9   | 17          | 8.1              | 439      | 1                       |
| 10  | 16          | 6.2              | 223      | 1                       |
| 11  | 18          | 8.9              | 208      | 1                       |
| 12  | 18          | 9.6              | 463      | 1                       |
| 13  | 17          | 8.2              | 441      | 1                       |
| 14  | 16          | 7.2              | 323      | 1                       |
| 15  | 18          | 9.5              | 297      | 1                       |
| 16  | 17          | 8                | 412      | 1                       |
| 17  | 18          | 10               | 324      | 1                       |
| 18  | 17          | 7.4              | 271      | 1                       |
| 19  | 17          | 7.9              | 349      | 0                       |
| 20  | 16          | 7.3              | 409      | 1                       |
| 21  | 18          | 8.7              | 373      | 1                       |
| 22  | 16          | 7.2              | 254      | 1                       |
| 23  | 18          | 9.9              | 274      | 1                       |
| 24  | 17          | 7.9              | 278      | 1                       |
| 25  | 17          | 7.5              | 317      | 1                       |
| 26  | 16          | 6.1              | 260      | 1                       |
| 27  | 18          | 8.8              | 211      | 1                       |
| 28  | 18          | 9.7              | 272      | 1                       |
| 29  | 17          | 7.4              | 264      | 1                       |
| 30  | 18          | 9.2              | 284      | 1                       |
| <b>Detection Percentage: 93.3 % (&gt;60%)</b> |             |                  |          |                         |

**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   | 14          | 16               | 355      | 1                       |
| 2   | 12          | 11.3             | 487      | 1                       |
| 3   | 13          | 13.5             | 344      | 1                       |
| 4   | 16          | 19.4             | 288      | 0                       |
| 5   | 15          | 17.5             | 230      | 1                       |
| 6   | 14          | 15.3             | 432      | 1                       |
| 7   | 14          | 15.9             | 207      | 1                       |
| 8   | 13          | 14.3             | 443      | 1                       |
| 9   | 14          | 15.8             | 439      | 1                       |
| 10  | 12          | 11.5             | 223      | 0                       |
| 11  | 15          | 17.4             | 208      | 1                       |
| 12  | 16          | 19               | 463      | 0                       |
| 13  | 14          | 16               | 441      | 1                       |
| 14  | 13          | 13.8             | 323      | 1                       |
| 15  | 16          | 18.9             | 297      | 0                       |
| 16  | 14          | 15.5             | 412      | 1                       |
| 17  | 16          | 19.9             | 324      | 1                       |
| 18  | 13          | 14.1             | 271      | 1                       |
| 19  | 14          | 15.2             | 349      | 0                       |
| 20  | 13          | 13.8             | 409      | 1                       |
| 21  | 15          | 17.1             | 373      | 1                       |
| 22  | 13          | 13.8             | 254      | 1                       |
| 23  | 16          | 19.8             | 274      | 1                       |
| 24  | 14          | 15.3             | 278      | 1                       |
| 25  | 13          | 14.5             | 317      | 1                       |
| 26  | 12          | 11.3             | 260      | 1                       |
| 27  | 15          | 17.3             | 211      | 1                       |
| 28  | 16          | 19.2             | 272      | 1                       |
| 29  | 13          | 14.2             | 264      | 1                       |
| 30  | 15          | 18.2             | 284      | 1                       |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5498.0          | 1                              |
| 12   | 5500.0          | 1                              |
| 13   | 5497.0          | 1                              |
| 14   | 5496.0          | 1                              |
| 15   | 5499.0          | 1                              |
| 16   | 5497.0          | 1                              |
| 17   | 5500.0          | 1                              |
| 18   | 5496.0          | 1                              |
| 19   | 5497.0          | 1                              |
| 20   | 5496.0          | 1                              |
| 21   | 5642.0          | 1                              |
| 22   | 5644.0          | 1                              |
| 23   | 5640.0          | 1                              |
| 24   | 5643.0          | 1                              |
| 25   | 5644.0          | 1                              |
| 26   | 5646.0          | 1                              |
| 27   | 5642.0          | 1                              |
| 28   | 5640.0          | 1                              |
| 29   | 5644.0          | 1                              |
| 30   | 5641.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |



## Bin5 Statistics 1

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 636185.0          | 2     | 13          | 77.8             | 1665.0     | 1477.0     | -          | 1                       |
| 1       | 32674.0           | 1     | 13          | 51.9             | 1074.0     | -          | -          |                         |
| 2       | 226294.0          | 1     | 13          | 63.8             | 1584.0     | -          | -          |                         |
| 3       | 417976.0          | 3     | 13          | 96.6             | 1682.0     | 1786.0     | 1843.0     |                         |
| 4       | 611152.0          | 3     | 13          | 85.9             | 1795.0     | 1215.0     | 1729.0     |                         |
| 5       | 8789.0            | 2     | 13          | 73.7             | 1198.0     | 1549.0     | -          |                         |
| 6       | 201917.0          | 2     | 13          | 77.2             | 1837.0     | 1819.0     | -          |                         |
| 7       | 395530.0          | 2     | 13          | 68.4             | 1587.0     | 1114.0     | -          |                         |
| 8       | 588564.0          | 2     | 13          | 76.7             | 2000.0     | 1155.0     | -          |                         |
| 9       | 783794.0          | 1     | 13          | 53.2             | 1147.0     | -          | -          |                         |
| 10      | 177933.0          | 3     | 13          | 85.7             | 1433.0     | 1695.0     | 1394.0     |                         |
| 11      | 370624.0          | 3     | 13          | 94.3             | 1670.0     | 1426.0     | 1935.0     |                         |
| 12      | 564893.0          | 2     | 13          | 77.6             | 1294.0     | 1671.0     | -          |                         |
| 13      | 759583.0          | 1     | 13          | 65.7             | 1512.0     | -          | -          |                         |
| 14      | 154262.0          | 3     | 13          | 93.5             | 1444.0     | 1130.0     | 1468.0     |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 653020.0          | 2     | 5           | 75.0             | 1880.0     | 1527.0     | -          | 1                       |
| 1       | 1015643.0         | 3     | 5           | 99.4             | 1401.0     | 1262.0     | 1257.0     |                         |
| 2       | 1379398.0         | 2     | 5           | 67.4             | 1531.0     | 1403.0     | -          |                         |
| 3       | 245489.0          | 2     | 5           | 73.6             | 1449.0     | 1041.0     | -          |                         |
| 4       | 609113.0          | 1     | 5           | 65.9             | 1432.0     | -          | -          |                         |
| 5       | 970852.0          | 3     | 5           | 83.8             | 1356.0     | 1292.0     | 1419.0     |                         |
| 6       | 1335913.0         | 1     | 5           | 65.5             | 1543.0     | -          | -          |                         |
| 7       | 200406.0          | 3     | 5           | 98.6             | 1548.0     | 1796.0     | 1728.0     |                         |

## Bin5 Statistics 3

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 409565.0          | 2     | 9           | 73.8             | 1806.0     | 1538.0     | -          | 1                       |
| 1       | 673692.0          | 2     | 9           | 69.5             | 1117.0     | 1649.0     | -          |                         |
| 2       | 938562.0          | 1     | 9           | 51.9             | 1651.0     | -          | -          |                         |
| 3       | 113209.0          | 3     | 9           | 84.6             | 1976.0     | 1032.0     | 1271.0     |                         |
| 4       | 376726.0          | 3     | 9           | 95.4             | 1060.0     | 1903.0     | 1388.0     |                         |
| 5       | 641212.0          | 2     | 9           | 68.0             | 1368.0     | 1351.0     | -          |                         |
| 6       | 903714.0          | 3     | 9           | 89.6             | 1338.0     | 1514.0     | 1573.0     |                         |
| 7       | 80863.0           | 2     | 9           | 81.9             | 1022.0     | 1689.0     | -          |                         |
| 8       | 344067.0          | 3     | 9           | 88.3             | 1810.0     | 1330.0     | 1838.0     |                         |
| 9       | 609331.0          | 1     | 9           | 53.7             | 1597.0     | -          | -          |                         |
| 10      | 871542.0          | 3     | 9           | 91.3             | 1961.0     | 1106.0     | 1001.0     |                         |

## Bin5 Statistics 4

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 26541.0           | 2     | 19          | 68.1             | 1339.0     | 1355.0     | -          | 1                       |
| 1       | 171821.0          | 1     | 19          | 58.7             | 1251.0     | -          | -          |                         |
| 2       | 316229.0          | 2     | 19          | 75.3             | 1136.0     | 1640.0     | -          |                         |
| 3       | 461864.0          | 1     | 19          | 56.4             | 1753.0     | -          | -          |                         |
| 4       | 8677.0            | 3     | 19          | 99.7             | 1196.0     | 1708.0     | 1159.0     |                         |
| 5       | 153995.0          | 1     | 19          | 57.7             | 1013.0     | -          | -          |                         |
| 6       | 299238.0          | 1     | 19          | 59.5             | 1072.0     | -          | -          |                         |
| 7       | 443177.0          | 2     | 19          | 80.0             | 1482.0     | 1369.0     | -          |                         |
| 8       | 587671.0          | 2     | 19          | 82.0             | 1993.0     | 1197.0     | -          |                         |
| 9       | 135674.0          | 2     | 19          | 82.8             | 1883.0     | 1005.0     | -          |                         |
| 10      | 279928.0          | 3     | 19          | 88.0             | 1061.0     | 1928.0     | 1101.0     |                         |
| 11      | 424279.0          | 3     | 19          | 93.2             | 1207.0     | 1907.0     | 1223.0     |                         |
| 12      | 570132.0          | 2     | 19          | 70.4             | 1526.0     | 1360.0     | -          |                         |
| 13      | 117439.0          | 3     | 19          | 95.3             | 1171.0     | 1955.0     | 1775.0     |                         |
| 14      | 262502.0          | 2     | 19          | 81.9             | 1690.0     | 1545.0     | -          |                         |
| 15      | 406573.0          | 3     | 19          | 98.5             | 1975.0     | 1169.0     | 1062.0     |                         |
| 16      | 553328.0          | 1     | 19          | 65.0             | 1767.0     | -          | -          |                         |
| 17      | 99799.0           | 3     | 19          | 85.4             | 1011.0     | 1637.0     | 1425.0     |                         |
| 18      | 244095.0          | 3     | 19          | 91.6             | 1878.0     | 1445.0     | 1325.0     |                         |
| 19      | 390012.0          | 2     | 19          | 67.3             | 1091.0     | 1218.0     | -          |                         |

## Bin5 Statistics 5

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 629614.0          | 2     | 16          | 67.9             | 1320.0     | 1133.0     | -          | 1                       |
| 1       | 96856.0           | 1     | 16          | 62.3             | 1957.0     | -          | -          |                         |
| 2       | 267719.0          | 1     | 16          | 53.3             | 1592.0     | -          | -          |                         |
| 3       | 436784.0          | 3     | 16          | 90.0             | 1900.0     | 1153.0     | 1346.0     |                         |
| 4       | 608289.0          | 2     | 16          | 77.1             | 1166.0     | 1646.0     | -          |                         |
| 5       | 75610.0           | 3     | 16          | 83.9             | 1278.0     | 1232.0     | 1459.0     |                         |
| 6       | 245638.0          | 3     | 16          | 89.1             | 1240.0     | 1384.0     | 1939.0     |                         |
| 7       | 416355.0          | 2     | 16          | 81.8             | 1833.0     | 1676.0     | -          |                         |
| 8       | 588736.0          | 1     | 16          | 50.3             | 1075.0     | -          | -          |                         |
| 9       | 54571.0           | 3     | 16          | 87.1             | 1116.0     | 1996.0     | 1756.0     |                         |
| 10      | 225175.0          | 2     | 16          | 71.3             | 1225.0     | 1815.0     | -          |                         |
| 11      | 394825.0          | 3     | 16          | 97.5             | 1884.0     | 1465.0     | 1132.0     |                         |
| 12      | 565361.0          | 3     | 16          | 90.6             | 1561.0     | 1040.0     | 1354.0     |                         |
| 13      | 33643.0           | 3     | 16          | 86.3             | 1596.0     | 1183.0     | 1792.0     |                         |
| 14      | 203957.0          | 3     | 16          | 97.6             | 1365.0     | 1073.0     | 1361.0     |                         |
| 15      | 373812.0          | 3     | 16          | 84.7             | 1021.0     | 1718.0     | 1854.0     |                         |
| 16      | 544060.0          | 3     | 16          | 99.7             | 1150.0     | 1244.0     | 1988.0     |                         |

## Bin5 Statistics 6

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 15438.0           | 3     | 12          | 92.9             | 1085.0     | 1564.0     | 1407.0     | 1                       |
| 1       | 222486.0          | 2     | 12          | 67.7             | 1744.0     | 1747.0     | -          |                         |
| 2       | 430731.0          | 1     | 12          | 65.8             | 1092.0     | -          | -          |                         |
| 3       | 637784.0          | 1     | 12          | 56.3             | 1851.0     | -          | -          |                         |
| 4       | 845342.0          | 1     | 12          | 53.7             | 1727.0     | -          | -          |                         |
| 5       | 196720.0          | 3     | 12          | 83.5             | 1679.0     | 1930.0     | 1025.0     |                         |
| 6       | 404955.0          | 1     | 12          | 65.8             | 1519.0     | -          | -          |                         |
| 7       | 610711.0          | 3     | 12          | 85.9             | 1134.0     | 1034.0     | 1808.0     |                         |
| 8       | 818057.0          | 2     | 12          | 76.3             | 1606.0     | 1926.0     | -          |                         |
| 9       | 171459.0          | 2     | 12          | 81.5             | 1891.0     | 1714.0     | -          |                         |
| 10      | 377969.0          | 3     | 12          | 89.4             | 1310.0     | 1594.0     | 1827.0     |                         |
| 11      | 586875.0          | 1     | 12          | 63.4             | 1568.0     | -          | -          |                         |
| 12      | 792834.0          | 2     | 12          | 69.6             | 1307.0     | 1925.0     | -          |                         |
| 13      | 146044.0          | 2     | 12          | 74.5             | 1264.0     | 1846.0     | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 329022.0          | 3     | 13          | 96.6             | 1182.0     | 1609.0     | 1581.0     | 1                       |
| 1       | 521718.0          | 3     | 13          | 96.7             | 1829.0     | 1799.0     | 1154.0     |                         |
| 2       | 714222.0          | 3     | 13          | 86.5             | 1923.0     | 1396.0     | 1865.0     |                         |
| 3       | 112450.0          | 2     | 13          | 73.3             | 1908.0     | 1318.0     | -          |                         |
| 4       | 306283.0          | 1     | 13          | 55.8             | 1688.0     | -          | -          |                         |
| 5       | 500239.0          | 1     | 13          | 55.4             | 1145.0     | -          | -          |                         |
| 6       | 690932.0          | 3     | 13          | 85.3             | 1336.0     | 1504.0     | 1820.0     |                         |
| 7       | 88645.0           | 2     | 13          | 79.4             | 1344.0     | 1893.0     | -          |                         |
| 8       | 282508.0          | 1     | 13          | 65.7             | 1476.0     | -          | -          |                         |
| 9       | 475842.0          | 2     | 13          | 68.6             | 1008.0     | 1028.0     | -          |                         |
| 10      | 667887.0          | 2     | 13          | 77.7             | 1972.0     | 1835.0     | -          |                         |
| 11      | 64845.0           | 2     | 13          | 79.6             | 1882.0     | 1331.0     | -          |                         |
| 12      | 257755.0          | 3     | 13          | 94.9             | 1830.0     | 1070.0     | 1349.0     |                         |
| 13      | 452335.0          | 1     | 13          | 61.4             | 1451.0     | -          | -          |                         |
| 14      | 643395.0          | 3     | 13          | 90.6             | 1233.0     | 1562.0     | 1887.0     |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 51446.0           | 1     | 10          | 52.6             | 1210.0     | -          | -          | 1                       |
| 1       | 292696.0          | 3     | 10          | 84.1             | 1314.0     | 1725.0     | 1529.0     |                         |
| 2       | 533989.0          | 3     | 10          | 97.7             | 1139.0     | 1868.0     | 1805.0     |                         |
| 3       | 775564.0          | 3     | 10          | 97.3             | 1341.0     | 1446.0     | 1755.0     |                         |
| 4       | 21542.0           | 3     | 10          | 98.8             | 1544.0     | 1386.0     | 1302.0     |                         |
| 5       | 263385.0          | 2     | 10          | 72.2             | 1771.0     | 1184.0     | -          |                         |
| 6       | 505581.0          | 2     | 10          | 67.6             | 1175.0     | 1027.0     | -          |                         |
| 7       | 747058.0          | 2     | 10          | 75.7             | 1026.0     | 1871.0     | -          |                         |
| 8       | 989976.0          | 1     | 10          | 60.9             | 1798.0     | -          | -          |                         |
| 9       | 234024.0          | 1     | 10          | 64.2             | 1138.0     | -          | -          |                         |
| 10      | 475207.0          | 2     | 10          | 78.8             | 1784.0     | 1604.0     | -          |                         |
| 11      | 715825.0          | 3     | 10          | 87.5             | 1511.0     | 1712.0     | 1683.0     |                         |

## Bin5 Statistics 9

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 823112.0          | 1     | 13          | 54.1             | 1415.0     | -          | -          | 1                       |
| 1       | 174965.0          | 1     | 13          | 50.7             | 1221.0     | -          | -          |                         |
| 2       | 382216.0          | 1     | 13          | 52.3             | 1974.0     | -          | -          |                         |
| 3       | 587395.0          | 3     | 13          | 99.8             | 1558.0     | 1696.0     | 1949.0     |                         |
| 4       | 796897.0          | 2     | 13          | 68.4             | 1014.0     | 1099.0     | -          |                         |
| 5       | 149042.0          | 2     | 13          | 80.8             | 1736.0     | 1505.0     | -          |                         |
| 6       | 356750.0          | 1     | 13          | 62.5             | 1778.0     | -          | -          |                         |
| 7       | 563824.0          | 2     | 13          | 74.8             | 1149.0     | 1204.0     | -          |                         |
| 8       | 772314.0          | 1     | 13          | 50.8             | 1049.0     | -          | -          |                         |
| 9       | 123796.0          | 1     | 13          | 54.0             | 1417.0     | -          | -          |                         |
| 10      | 331215.0          | 1     | 13          | 63.0             | 1730.0     | -          | -          |                         |
| 11      | 537402.0          | 3     | 13          | 91.8             | 1143.0     | 1270.0     | 1347.0     |                         |
| 12      | 744805.0          | 2     | 13          | 79.3             | 1274.0     | 1992.0     | -          |                         |
| 13      | 98172.0           | 1     | 13          | 64.3             | 1937.0     | -          | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 535615.0          | 1     | 6           | 63.4             | 1043.0     | -          | -          | 1                       |
| 1       | 898668.0          | 1     | 6           | 52.0             | 1863.0     | -          | -          |                         |
| 2       | 1259235.0         | 3     | 6           | 97.2             | 1973.0     | 1605.0     | 1583.0     |                         |
| 3       | 127106.0          | 2     | 6           | 78.7             | 1466.0     | 1743.0     | -          |                         |
| 4       | 490358.0          | 2     | 6           | 74.2             | 1280.0     | 1219.0     | -          |                         |
| 5       | 852409.0          | 3     | 6           | 88.7             | 1293.0     | 1934.0     | 1273.0     |                         |
| 6       | 1217152.0         | 1     | 6           | 54.3             | 1991.0     | -          | -          |                         |
| 7       | 82296.0           | 3     | 6           | 95.4             | 1580.0     | 1555.0     | 1791.0     |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 209249.0                 | 2            | 16                 | 73.7                    | 1208.0            | 1497.0            | -                 | 1                              |
| 1              | 378386.0                 | 3            | 16                 | 97.4                    | 1942.0            | 1754.0            | 1613.0            |                                |
| 2              | 548411.0                 | 3            | 16                 | 91.7                    | 1999.0            | 1702.0            | 1462.0            |                                |
| 3              | 17733.0                  | 1            | 16                 | 66.2                    | 1393.0            | -                 | -                 |                                |
| 4              | 187952.0                 | 2            | 16                 | 70.8                    | 1968.0            | 1821.0            | -                 |                                |
| 5              | 359277.0                 | 1            | 16                 | 52.3                    | 1740.0            | -                 | -                 |                                |
| 6              | 528886.0                 | 2            | 16                 | 78.9                    | 1308.0            | 1984.0            | -                 |                                |
| 7              | 700166.0                 | 2            | 16                 | 70.9                    | 1050.0            | 1358.0            | -                 |                                |
| 8              | 167197.0                 | 2            | 16                 | 75.6                    | 1437.0            | 1430.0            | -                 |                                |
| 9              | 338262.0                 | 1            | 16                 | 59.1                    | 1697.0            | -                 | -                 |                                |
| 10             | 508324.0                 | 2            | 16                 | 77.0                    | 1397.0            | 1304.0            | -                 |                                |
| 11             | 678689.0                 | 2            | 16                 | 67.9                    | 1803.0            | 1083.0            | -                 |                                |
| 12             | 146031.0                 | 2            | 16                 | 81.2                    | 1720.0            | 1932.0            | -                 |                                |
| 13             | 316923.0                 | 2            | 16                 | 78.7                    | 1247.0            | 1121.0            | -                 |                                |
| 14             | 488056.0                 | 1            | 16                 | 63.3                    | 1634.0            | -                 | -                 |                                |
| 15             | 657326.0                 | 2            | 16                 | 68.9                    | 1849.0            | 1423.0            | -                 |                                |
| 16             | 125509.0                 | 1            | 16                 | 59.3                    | 1093.0            | -                 | -                 |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 263736.0                 | 3            | 19                 | 98.9                    | 1381.0            | 1680.0            | 1488.0            | 1                              |
| 1              | 416459.0                 | 2            | 19                 | 82.3                    | 1716.0            | 1855.0            | -                 |                                |
| 2              | 567902.0                 | 3            | 19                 | 86.7                    | 1211.0            | 1400.0            | 1919.0            |                                |
| 3              | 92979.0                  | 3            | 19                 | 89.7                    | 1861.0            | 1068.0            | 1282.0            |                                |
| 4              | 245155.0                 | 3            | 19                 | 98.6                    | 1507.0            | 1194.0            | 1461.0            |                                |
| 5              | 397609.0                 | 2            | 19                 | 71.1                    | 1921.0            | 1789.0            | -                 |                                |
| 6              | 551431.0                 | 1            | 19                 | 55.9                    | 1947.0            | -                 | -                 |                                |
| 7              | 74413.0                  | 2            | 19                 | 67.9                    | 1350.0            | 1372.0            | -                 |                                |
| 8              | 226559.0                 | 3            | 19                 | 84.4                    | 1203.0            | 1107.0            | 1443.0            |                                |
| 9              | 380056.0                 | 1            | 19                 | 58.8                    | 1715.0            | -                 | -                 |                                |
| 10             | 533408.0                 | 1            | 19                 | 65.6                    | 1017.0            | -                 | -                 |                                |
| 11             | 55547.0                  | 2            | 19                 | 78.5                    | 1911.0            | 1704.0            | -                 |                                |
| 12             | 207876.0                 | 2            | 19                 | 82.3                    | 1845.0            | 1686.0            | -                 |                                |
| 13             | 359771.0                 | 3            | 19                 | 90.1                    | 1938.0            | 1071.0            | 1266.0            |                                |
| 14             | 511297.0                 | 3            | 19                 | 90.2                    | 1989.0            | 1089.0            | 1950.0            |                                |
| 15             | 36803.0                  | 2            | 19                 | 83.1                    | 1943.0            | 1406.0            | -                 |                                |
| 16             | 189652.0                 | 1            | 19                 | 58.8                    | 1742.0            | -                 | -                 |                                |
| 17             | 341809.0                 | 2            | 19                 | 77.0                    | 1187.0            | 1657.0            | -                 |                                |
| 18             | 495737.0                 | 1            | 19                 | 55.0                    | 1012.0            | -                 | -                 |                                |

## Bin5 Statistics 13

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 22911.0           | 1     | 13          | 58.1             | 1929.0     | -          | -          | 1                       |
| 1       | 216473.0          | 1     | 13          | 52.1             | 1910.0     | -          | -          |                         |
| 2       | 410004.0          | 1     | 13          | 59.9             | 1971.0     | -          | -          |                         |
| 3       | 603671.0          | 1     | 13          | 60.2             | 1812.0     | -          | -          |                         |
| 4       | 794160.0          | 3     | 13          | 95.9             | 1399.0     | 1906.0     | 1608.0     |                         |
| 5       | 192251.0          | 2     | 13          | 79.9             | 1626.0     | 1859.0     | -          |                         |
| 6       | 385590.0          | 2     | 13          | 78.5             | 1238.0     | 1917.0     | -          |                         |
| 7       | 579862.0          | 1     | 13          | 53.8             | 1763.0     | -          | -          |                         |
| 8       | 773423.0          | 1     | 13          | 64.7             | 1800.0     | -          | -          |                         |
| 9       | 168898.0          | 1     | 13          | 61.4             | 1390.0     | -          | -          |                         |
| 10      | 361606.0          | 2     | 13          | 83.2             | 1692.0     | 1858.0     | -          |                         |
| 11      | 553866.0          | 3     | 13          | 84.7             | 1533.0     | 1677.0     | 1638.0     |                         |
| 12      | 747241.0          | 3     | 13          | 88.7             | 1703.0     | 1528.0     | 1058.0     |                         |
| 13      | 144710.0          | 2     | 13          | 78.3             | 1258.0     | 1951.0     | -          |                         |
| 14      | 337856.0          | 2     | 13          | 69.3             | 1731.0     | 1717.0     | -          |                         |

## Bin5 Statistics 14

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 664275.0          | 2     | 10          | 75.3             | 1994.0     | 1612.0     | -          | 1                       |
| 1       | 907886.0          | 1     | 10          | 56.3             | 1456.0     | -          | -          |                         |
| 2       | 151316.0          | 2     | 10          | 67.7             | 1617.0     | 1185.0     | -          |                         |
| 3       | 393746.0          | 1     | 10          | 55.6             | 1337.0     | -          | -          |                         |
| 4       | 635093.0          | 2     | 10          | 75.2             | 1421.0     | 1267.0     | -          |                         |
| 5       | 876993.0          | 2     | 10          | 76.3             | 1359.0     | 1305.0     | -          |                         |
| 6       | 121278.0          | 3     | 10          | 85.7             | 1547.0     | 1362.0     | 1924.0     |                         |
| 7       | 362696.0          | 3     | 10          | 98.4             | 1873.0     | 1550.0     | 1249.0     |                         |
| 8       | 604342.0          | 3     | 10          | 86.4             | 1779.0     | 1439.0     | 1046.0     |                         |
| 9       | 846453.0          | 3     | 10          | 93.6             | 1059.0     | 1031.0     | 1452.0     |                         |
| 10      | 91871.0           | 1     | 10          | 63.3             | 1328.0     | -          | -          |                         |
| 11      | 333050.0          | 3     | 10          | 92.4             | 1412.0     | 1673.0     | 1322.0     |                         |



## Bin5 Statistics 15

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 361323.0          | 3     | 18          | 93.3             | 1983.0     | 1912.0     | 1535.0     | 1                       |
| 1       | 515261.0          | 2     | 18          | 69.1             | 1102.0     | 1794.0     | -          |                         |
| 2       | 39025.0           | 3     | 18          | 86.9             | 1044.0     | 1152.0     | 1148.0     |                         |
| 3       | 190900.0          | 3     | 18          | 84.9             | 1894.0     | 1948.0     | 1118.0     |                         |
| 4       | 343941.0          | 2     | 18          | 72.3             | 1094.0     | 1916.0     | -          |                         |
| 5       | 497624.0          | 1     | 18          | 51.7             | 1447.0     | -          | -          |                         |
| 6       | 20319.0           | 1     | 18          | 58.3             | 1429.0     | -          | -          |                         |
| 7       | 172999.0          | 1     | 18          | 60.8             | 1979.0     | -          | -          |                         |
| 8       | 325872.0          | 1     | 18          | 57.1             | 1641.0     | -          | -          |                         |
| 9       | 475841.0          | 3     | 18          | 88.9             | 1886.0     | 1964.0     | 1489.0     |                         |
| 10      | 1489.0            | 2     | 18          | 72.0             | 1909.0     | 1297.0     | -          |                         |
| 11      | 153647.0          | 3     | 18          | 90.9             | 1261.0     | 1566.0     | 1370.0     |                         |
| 12      | 307096.0          | 1     | 18          | 59.8             | 1552.0     | -          | -          |                         |
| 13      | 458804.0          | 2     | 18          | 70.0             | 1759.0     | 1291.0     | -          |                         |
| 14      | 610798.0          | 2     | 18          | 67.2             | 1625.0     | 1881.0     | -          |                         |
| 15      | 134759.0          | 3     | 18          | 91.2             | 1382.0     | 1832.0     | 1661.0     |                         |
| 16      | 288306.0          | 1     | 18          | 56.5             | 1483.0     | -          | -          |                         |
| 17      | 441296.0          | 1     | 18          | 51.2             | 1237.0     | -          | -          |                         |
| 18      | 592780.0          | 2     | 18          | 74.1             | 1471.0     | 1245.0     | -          |                         |

## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 158286.0                 | 2            | 12                 | 76.9                    | 1110.0            | 1140.0            | -                 | 1                              |
| 1              | 366024.0                 | 1            | 12                 | 50.2                    | 1316.0            | -                 | -                 |                                |
| 2              | 573452.0                 | 1            | 12                 | 62.9                    | 1520.0            | -                 | -                 |                                |
| 3              | 780619.0                 | 1            | 12                 | 64.7                    | 1902.0            | -                 | -                 |                                |
| 4              | 132455.0                 | 3            | 12                 | 83.8                    | 1410.0            | 1097.0            | 1621.0            |                                |
| 5              | 340207.0                 | 1            | 12                 | 65.4                    | 1944.0            | -                 | -                 |                                |
| 6              | 548208.0                 | 1            | 12                 | 53.2                    | 1024.0            | -                 | -                 |                                |
| 7              | 755333.0                 | 1            | 12                 | 51.7                    | 1603.0            | -                 | -                 |                                |
| 8              | 107117.0                 | 2            | 12                 | 78.7                    | 1804.0            | 1168.0            | -                 |                                |
| 9              | 314500.0                 | 2            | 12                 | 72.4                    | 1030.0            | 1343.0            | -                 |                                |
| 10             | 522447.0                 | 1            | 12                 | 53.8                    | 1327.0            | -                 | -                 |                                |
| 11             | 728517.0                 | 2            | 12                 | 73.6                    | 1524.0            | 1553.0            | -                 |                                |
| 12             | 81611.0                  | 2            | 12                 | 66.7                    | 1722.0            | 1122.0            | -                 |                                |
| 13             | 288948.0                 | 2            | 12                 | 82.5                    | 1404.0            | 1019.0            | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 345766.0          | 3     | 20          | 87.6             | 1565.0     | 1055.0     | 1840.0     | 1                       |
| 1       | 490019.0          | 3     | 20          | 85.2             | 1735.0     | 1541.0     | 1408.0     |                         |
| 2       | 39073.0           | 3     | 20          | 84.8             | 1534.0     | 1889.0     | 1463.0     |                         |
| 3       | 183923.0          | 2     | 20          | 77.9             | 1749.0     | 1460.0     | -          |                         |
| 4       | 328777.0          | 2     | 20          | 76.5             | 1518.0     | 1485.0     | -          |                         |
| 5       | 474728.0          | 1     | 20          | 60.9             | 1540.0     | -          | -          |                         |
| 6       | 21394.0           | 2     | 20          | 83.0             | 1080.0     | 1010.0     | -          |                         |
| 7       | 165992.0          | 2     | 20          | 80.4             | 1824.0     | 1752.0     | -          |                         |
| 8       | 310973.0          | 2     | 20          | 67.5             | 1764.0     | 1181.0     | -          |                         |
| 9       | 456884.0          | 1     | 20          | 62.1             | 1495.0     | -          | -          |                         |
| 10      | 3515.0            | 3     | 20          | 86.4             | 1773.0     | 1966.0     | 1263.0     |                         |
| 11      | 147928.0          | 3     | 20          | 84.3             | 1593.0     | 1188.0     | 1788.0     |                         |
| 12      | 293225.0          | 2     | 20          | 76.9             | 1226.0     | 1537.0     | -          |                         |
| 13      | 436922.0          | 3     | 20          | 95.8             | 1192.0     | 1298.0     | 1844.0     |                         |
| 14      | 584015.0          | 1     | 20          | 55.2             | 1644.0     | -          | -          |                         |
| 15      | 130832.0          | 1     | 20          | 59.0             | 1402.0     | -          | -          |                         |
| 16      | 274684.0          | 3     | 20          | 94.5             | 1296.0     | 1700.0     | 1283.0     |                         |
| 17      | 418579.0          | 3     | 20          | 91.9             | 1970.0     | 1978.0     | 1165.0     |                         |
| 18      | 563464.0          | 3     | 20          | 85.2             | 1732.0     | 1551.0     | 1189.0     |                         |
| 19      | 112787.0          | 2     | 20          | 69.5             | 1038.0     | 1224.0     | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 429224.0          | 3     | 10          | 86.4             | 1259.0     | 1918.0     | 1455.0     | 1                       |
| 1       | 670241.0          | 3     | 10          | 92.2             | 1598.0     | 1719.0     | 1895.0     |                         |
| 2       | 912880.0          | 2     | 10          | 80.4             | 1816.0     | 1899.0     | -          |                         |
| 3       | 158603.0          | 1     | 10          | 54.3             | 1335.0     | -          | -          |                         |
| 4       | 400824.0          | 1     | 10          | 53.1             | 1303.0     | -          | -          |                         |
| 5       | 641915.0          | 2     | 10          | 69.4             | 1503.0     | 1546.0     | -          |                         |
| 6       | 883823.0          | 2     | 10          | 69.1             | 1279.0     | 1639.0     | -          |                         |
| 7       | 128373.0          | 3     | 10          | 100.0            | 1375.0     | 1438.0     | 1595.0     |                         |
| 8       | 370379.0          | 2     | 10          | 79.6             | 1239.0     | 1705.0     | -          |                         |
| 9       | 611194.0          | 3     | 10          | 88.4             | 1374.0     | 1579.0     | 1623.0     |                         |
| 10      | 855665.0          | 1     | 10          | 53.3             | 1016.0     | -          | -          |                         |
| 11      | 98897.0           | 1     | 10          | 65.3             | 1709.0     | -          | -          |                         |

## Bin5 Statistics 19

| Trial # | Burst Offset (µS) | Pulse | Chirp (MHz) | Pulse Width (µS) | PRI-1 (µS) | PRI-2 (µS) | PRI-3 (µS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 292143.0          | 1     | 12          | 55.3             | 1920.0     | -          | -          | 1                       |
| 1       | 499633.0          | 1     | 12          | 58.3             | 1797.0     | -          | -          |                         |
| 2       | 706377.0          | 2     | 12          | 72.3             | 1610.0     | 1039.0     | -          |                         |
| 3       | 58989.0           | 3     | 12          | 84.8             | 1131.0     | 1761.0     | 1721.0     |                         |
| 4       | 266161.0          | 2     | 12          | 82.5             | 1875.0     | 1431.0     | -          |                         |
| 5       | 474469.0          | 1     | 12          | 63.3             | 1095.0     | -          | -          |                         |
| 6       | 680544.0          | 2     | 12          | 80.0             | 1119.0     | 1913.0     | -          |                         |
| 7       | 33519.0           | 3     | 12          | 90.3             | 1660.0     | 1853.0     | 1123.0     |                         |
| 8       | 240319.0          | 3     | 12          | 91.1             | 1539.0     | 1783.0     | 1172.0     |                         |
| 9       | 447400.0          | 3     | 12          | 96.6             | 1525.0     | 1036.0     | 1385.0     |                         |
| 10      | 654516.0          | 2     | 12          | 82.7             | 1710.0     | 1990.0     | -          |                         |
| 11      | 8083.0            | 1     | 12          | 50.7             | 1234.0     | -          | -          |                         |
| 12      | 215435.0          | 2     | 12          | 78.4             | 1047.0     | 1109.0     | -          |                         |
| 13      | 421325.0          | 3     | 12          | 99.5             | 1299.0     | 1965.0     | 1869.0     |                         |

## Bin5 Statistics 20

| Trial # | Burst Offset (µS) | Pulse | Chirp (MHz) | Pulse Width (µS) | PRI-1 (µS) | PRI-2 (µS) | PRI-3 (µS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 733725.0          | 3     | 10          | 88.6             | 1501.0     | 1067.0     | 1927.0     | 1                       |
| 1       | 977882.0          | 1     | 10          | 57.4             | 1723.0     | -          | -          |                         |
| 2       | 221197.0          | 3     | 10          | 96.6             | 1086.0     | 1658.0     | 1324.0     |                         |
| 3       | 462915.0          | 2     | 10          | 69.7             | 1751.0     | 1945.0     | -          |                         |
| 4       | 705071.0          | 2     | 10          | 77.9             | 1642.0     | 1317.0     | -          |                         |
| 5       | 947923.0          | 1     | 10          | 62.0             | 1866.0     | -          | -          |                         |
| 6       | 191373.0          | 3     | 10          | 88.4             | 1997.0     | 1077.0     | 1366.0     |                         |
| 7       | 432561.0          | 3     | 10          | 97.3             | 1790.0     | 1896.0     | 1367.0     |                         |
| 8       | 674004.0          | 3     | 10          | 96.2             | 1391.0     | 1787.0     | 1672.0     |                         |
| 9       | 915842.0          | 3     | 10          | 95.4             | 1020.0     | 1892.0     | 1414.0     |                         |
| 10      | 162176.0          | 1     | 10          | 54.8             | 1084.0     | -          | -          |                         |
| 11      | 403553.0          | 2     | 10          | 80.4             | 1850.0     | 1436.0     | -          |                         |

## Bin5 Statistics 21

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 483470.0          | 2     | 15          | 74.7             | 1619.0     | 1611.0     | -          | 1                       |
| 1       | 666072.0          | 1     | 15          | 57.1             | 1560.0     | -          | -          |                         |
| 2       | 98810.0           | 3     | 15          | 91.9             | 1392.0     | 1475.0     | 1276.0     |                         |
| 3       | 279914.0          | 2     | 15          | 83.1             | 1809.0     | 1772.0     | -          |                         |
| 4       | 462536.0          | 1     | 15          | 50.7             | 1003.0     | -          | -          |                         |
| 5       | 642324.0          | 2     | 15          | 79.2             | 1574.0     | 1600.0     | -          |                         |
| 6       | 76831.0           | 1     | 15          | 58.7             | 1186.0     | -          | -          |                         |
| 7       | 257785.0          | 2     | 15          | 71.0             | 1521.0     | 1567.0     | -          |                         |
| 8       | 438554.0          | 2     | 15          | 79.0             | 1777.0     | 1960.0     | -          |                         |
| 9       | 620397.0          | 2     | 15          | 68.5             | 1284.0     | 1428.0     | -          |                         |
| 10      | 54310.0           | 2     | 15          | 73.5             | 1904.0     | 1352.0     | -          |                         |
| 11      | 235506.0          | 2     | 15          | 70.5             | 1864.0     | 1115.0     | -          |                         |
| 12      | 417036.0          | 2     | 15          | 76.6             | 1045.0     | 1300.0     | -          |                         |
| 13      | 597974.0          | 2     | 15          | 81.2             | 1160.0     | 1675.0     | -          |                         |
| 14      | 32086.0           | 1     | 15          | 61.8             | 1277.0     | -          | -          |                         |
| 15      | 212751.0          | 3     | 15          | 94.9             | 1450.0     | 1206.0     | 1860.0     |                         |

## Bin5 Statistics 22

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 526149.0          | 2     | 9           | 78.5             | 1653.0     | 1698.0     | -          | 1                       |
| 1       | 767135.0          | 3     | 9           | 89.8             | 1174.0     | 1962.0     | 1167.0     |                         |
| 2       | 12955.0           | 1     | 9           | 59.4             | 1982.0     | -          | -          |                         |
| 3       | 254612.0          | 2     | 9           | 79.6             | 1633.0     | 1890.0     | -          |                         |
| 4       | 496588.0          | 2     | 9           | 76.0             | 1112.0     | 1811.0     | -          |                         |
| 5       | 739728.0          | 1     | 9           | 53.6             | 1144.0     | -          | -          |                         |
| 6       | 980872.0          | 2     | 9           | 80.9             | 1220.0     | 1053.0     | -          |                         |
| 7       | 225249.0          | 1     | 9           | 61.6             | 1724.0     | -          | -          |                         |
| 8       | 467279.0          | 1     | 9           | 53.4             | 1901.0     | -          | -          |                         |
| 9       | 709720.0          | 1     | 9           | 59.9             | 1379.0     | -          | -          |                         |
| 10      | 951847.0          | 1     | 9           | 60.4             | 1453.0     | -          | -          |                         |
| 11      | 194839.0          | 3     | 9           | 91.4             | 1768.0     | 1726.0     | 1227.0     |                         |

## Bin5 Statistics 23

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 261858.0          | 2     | 20          | 77.0             | 1191.0     | 1363.0     | -          | 1                       |
| 1       | 407646.0          | 1     | 20          | 58.1             | 1248.0     | -          | -          |                         |
| 2       | 552319.0          | 1     | 20          | 62.1             | 1836.0     | -          | -          |                         |
| 3       | 99107.0           | 2     | 20          | 76.9             | 1334.0     | 1236.0     | -          |                         |
| 4       | 243514.0          | 2     | 20          | 80.0             | 1914.0     | 1852.0     | -          |                         |
| 5       | 389464.0          | 1     | 20          | 52.0             | 1701.0     | -          | -          |                         |
| 6       | 531093.0          | 3     | 20          | 88.6             | 1693.0     | 1995.0     | 1905.0     |                         |
| 7       | 81159.0           | 2     | 20          | 72.9             | 1922.0     | 1387.0     | -          |                         |
| 8       | 225245.0          | 3     | 20          | 98.5             | 1839.0     | 1746.0     | 1389.0     |                         |
| 9       | 371906.0          | 1     | 20          | 57.9             | 1193.0     | -          | -          |                         |
| 10      | 514197.0          | 3     | 20          | 95.9             | 1659.0     | 1870.0     | 1066.0     |                         |
| 11      | 63561.0           | 1     | 20          | 53.5             | 1162.0     | -          | -          |                         |
| 12      | 207510.0          | 3     | 20          | 92.0             | 1745.0     | 1654.0     | 1458.0     |                         |
| 13      | 353638.0          | 1     | 20          | 57.3             | 1834.0     | -          | -          |                         |
| 14      | 497515.0          | 2     | 20          | 70.5             | 1684.0     | 1586.0     | -          |                         |
| 15      | 45553.0           | 2     | 20          | 70.0             | 1042.0     | 1664.0     | -          |                         |
| 16      | 189821.0          | 3     | 20          | 84.0             | 1765.0     | 1630.0     | 1176.0     |                         |
| 17      | 335330.0          | 2     | 20          | 76.1             | 1557.0     | 1057.0     | -          |                         |
| 18      | 478825.0          | 3     | 20          | 93.2             | 1985.0     | 1018.0     | 1340.0     |                         |
| 19      | 27594.0           | 3     | 20          | 96.8             | 1760.0     | 1614.0     | 1817.0     |                         |

## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247117.0                 | 1            | 12                 | 50.1                    | 1841.0            | -                 | -                 | 1                              |
| 1              | 453362.0                 | 3            | 12                 | 93.5                    | 1590.0            | 1081.0            | 1413.0            |                                |
| 2              | 660875.0                 | 2            | 12                 | 68.8                    | 1707.0            | 1577.0            | -                 |                                |
| 3              | 14140.0                  | 1            | 12                 | 56.3                    | 1056.0            | -                 | -                 |                                |
| 4              | 220734.0                 | 3            | 12                 | 86.0                    | 1953.0            | 1108.0            | 1987.0            |                                |
| 5              | 428367.0                 | 2            | 12                 | 75.2                    | 1572.0            | 1536.0            | -                 |                                |
| 6              | 636681.0                 | 1            | 12                 | 54.4                    | 1517.0            | -                 | -                 |                                |
| 7              | 843157.0                 | 2            | 12                 | 71.1                    | 1329.0            | 1243.0            | -                 |                                |
| 8              | 195585.0                 | 2            | 12                 | 76.2                    | 1940.0            | 1770.0            | -                 |                                |
| 9              | 403231.0                 | 2            | 12                 | 80.2                    | 1098.0            | 1209.0            | -                 |                                |
| 10             | 610202.0                 | 2            | 12                 | 79.7                    | 1588.0            | 1214.0            | -                 |                                |
| 11             | 815229.0                 | 3            | 12                 | 90.9                    | 1615.0            | 1862.0            | 1601.0            |                                |
| 12             | 170267.0                 | 2            | 12                 | 68.7                    | 1377.0            | 1441.0            | -                 |                                |
| 13             | 377306.0                 | 2            | 12                 | 67.4                    | 1872.0            | 1313.0            | -                 |                                |

## Bin5 Statistics 25

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 628071.0          | 3     | 11          | 94.0             | 1643.0     | 1748.0     | 1941.0     | 1                       |
| 1       | 853391.0          | 2     | 11          | 70.8             | 1177.0     | 1201.0     | -          |                         |
| 2       | 156223.0          | 1     | 11          | 56.3             | 1006.0     | -          | -          |                         |
| 3       | 378734.0          | 3     | 11          | 96.7             | 1230.0     | 1163.0     | 1332.0     |                         |
| 4       | 601331.0          | 3     | 11          | 90.6             | 1217.0     | 1582.0     | 1498.0     |                         |
| 5       | 825462.0          | 2     | 11          | 74.5             | 1569.0     | 1281.0     | -          |                         |
| 6       | 128265.0          | 3     | 11          | 92.6             | 1065.0     | 1669.0     | 1222.0     |                         |
| 7       | 351161.0          | 3     | 11          | 89.0             | 1493.0     | 1135.0     | 1380.0     |                         |
| 8       | 573425.0          | 3     | 11          | 96.5             | 1607.0     | 1822.0     | 1602.0     |                         |
| 9       | 798431.0          | 2     | 11          | 70.5             | 1141.0     | 1178.0     | -          |                         |
| 10      | 100737.0          | 3     | 11          | 94.0             | 1009.0     | 1629.0     | 1956.0     |                         |
| 11      | 324661.0          | 1     | 11          | 55.8             | 1290.0     | -          | -          |                         |
| 12      | 546278.0          | 3     | 11          | 87.7             | 1435.0     | 1963.0     | 1164.0     |                         |

## Bin5 Statistics 26

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 1253842.0         | 2     | 5           | 68.6             | 1306.0     | 1161.0     | -          | 1                       |
| 1       | 119486.0          | 2     | 5           | 83.1             | 1420.0     | 1315.0     | -          |                         |
| 2       | 482958.0          | 1     | 5           | 60.9             | 1687.0     | -          | -          |                         |
| 3       | 845641.0          | 2     | 5           | 77.7             | 1776.0     | 1158.0     | -          |                         |
| 4       | 1208428.0         | 2     | 5           | 77.4             | 1793.0     | 1510.0     | -          |                         |
| 5       | 74748.0           | 2     | 5           | 66.8             | 1576.0     | 1323.0     | -          |                         |
| 6       | 438300.0          | 1     | 5           | 63.7             | 1333.0     | -          | -          |                         |
| 7       | 800152.0          | 3     | 5           | 91.2             | 1409.0     | 1681.0     | 1275.0     |                         |



## Bin5 Statistics 27

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 545865.0                 | 3            | 16                 | 83.6                    | 1632.0            | 1195.0            | 1000.0            | 1                              |
| 1              | 14067.0                  | 3            | 16                 | 89.4                    | 1173.0            | 1627.0            | 1656.0            |                                |
| 2              | 184953.0                 | 1            | 16                 | 55.8                    | 1532.0            | -                 | -                 |                                |
| 3              | 353759.0                 | 3            | 16                 | 90.9                    | 1981.0            | 1554.0            | 1998.0            |                                |
| 4              | 526388.0                 | 1            | 16                 | 54.7                    | 1825.0            | -                 | -                 |                                |
| 5              | 694806.0                 | 3            | 16                 | 97.7                    | 1734.0            | 1202.0            | 1250.0            |                                |
| 6              | 163568.0                 | 2            | 16                 | 67.5                    | 1571.0            | 1434.0            | -                 |                                |
| 7              | 333410.0                 | 3            | 16                 | 96.7                    | 1589.0            | 1469.0            | 1268.0            |                                |
| 8              | 504006.0                 | 2            | 16                 | 68.3                    | 1750.0            | 1954.0            | -                 |                                |
| 9              | 675297.0                 | 2            | 16                 | 78.3                    | 1591.0            | 1082.0            | -                 |                                |
| 10             | 142890.0                 | 1            | 16                 | 55.0                    | 1427.0            | -                 | -                 |                                |
| 11             | 312479.0                 | 3            | 16                 | 84.9                    | 1129.0            | 1936.0            | 1199.0            |                                |
| 12             | 482953.0                 | 2            | 16                 | 74.6                    | 1959.0            | 1856.0            | -                 |                                |
| 13             | 655022.0                 | 1            | 16                 | 63.3                    | 1885.0            | -                 | -                 |                                |
| 14             | 121457.0                 | 3            | 16                 | 99.8                    | 1035.0            | 1515.0            | 1120.0            |                                |
| 15             | 292606.0                 | 1            | 16                 | 63.6                    | 1647.0            | -                 | -                 |                                |
| 16             | 461322.0                 | 3            | 16                 | 87.3                    | 1931.0            | 1051.0            | 1831.0            |                                |

## Bin5 Statistics 28

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 565136.0          | 3     | 19          | 85.6             | 1946.0     | 1078.0     | 1015.0     | 1                       |
| 1       | 89970.0           | 2     | 19          | 68.6             | 1029.0     | 1780.0     | -          |                         |
| 2       | 243121.0          | 1     | 19          | 54.2             | 1111.0     | -          | -          |                         |
| 3       | 396034.0          | 1     | 19          | 61.2             | 1104.0     | -          | -          |                         |
| 4       | 546225.0          | 3     | 19          | 97.1             | 1157.0     | 1969.0     | 1100.0     |                         |
| 5       | 70998.0           | 3     | 19          | 98.3             | 1142.0     | 1699.0     | 1622.0     |                         |
| 6       | 224093.0          | 1     | 19          | 62.4             | 1655.0     | -          | -          |                         |
| 7       | 376127.0          | 2     | 19          | 80.2             | 1126.0     | 1769.0     | -          |                         |
| 8       | 527806.0          | 3     | 19          | 87.5             | 1216.0     | 1448.0     | 1179.0     |                         |
| 9       | 52247.0           | 3     | 19          | 85.8             | 1847.0     | 1348.0     | 1472.0     |                         |
| 10      | 204582.0          | 3     | 19          | 88.1             | 1023.0     | 1124.0     | 1631.0     |                         |
| 11      | 357941.0          | 1     | 19          | 65.3             | 1848.0     | -          | -          |                         |
| 12      | 510977.0          | 1     | 19          | 52.5             | 1470.0     | -          | -          |                         |
| 13      | 33698.0           | 1     | 19          | 52.3             | 1312.0     | -          | -          |                         |
| 14      | 186023.0          | 2     | 19          | 74.1             | 1915.0     | 1200.0     | -          |                         |
| 15      | 339327.0          | 1     | 19          | 54.9             | 1479.0     | -          | -          |                         |
| 16      | 491053.0          | 2     | 19          | 76.2             | 1376.0     | 1502.0     | -          |                         |
| 17      | 14858.0           | 1     | 19          | 60.4             | 1758.0     | -          | -          |                         |
| 18      | 167387.0          | 2     | 19          | 81.5             | 1491.0     | 1103.0     | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 507709.0          | 1     | 10          | 50.5             | 1857.0     | -          | -          | 1                       |
| 1       | 750249.0          | 1     | 10          | 55.7             | 1246.0     | -          | -          |                         |
| 2       | 989003.0          | 3     | 10          | 85.8             | 1774.0     | 1002.0     | 1967.0     |                         |
| 3       | 235634.0          | 2     | 10          | 76.9             | 1125.0     | 1474.0     | -          |                         |
| 4       | 477675.0          | 2     | 10          | 75.1             | 1254.0     | 1052.0     | -          |                         |
| 5       | 718312.0          | 3     | 10          | 92.3             | 1180.0     | 1486.0     | 1492.0     |                         |
| 6       | 960895.0          | 2     | 10          | 78.1             | 1301.0     | 1757.0     | -          |                         |
| 7       | 205370.0          | 3     | 10          | 92.2             | 1898.0     | 1252.0     | 1713.0     |                         |
| 8       | 446940.0          | 3     | 10          | 89.0             | 1260.0     | 1706.0     | 1411.0     |                         |
| 9       | 689225.0          | 2     | 10          | 70.9             | 1578.0     | 1620.0     | -          |                         |
| 10      | 932305.0          | 1     | 10          | 63.1             | 1782.0     | -          | -          |                         |
| 11      | 176231.0          | 1     | 10          | 55.3             | 1522.0     | -          | -          |                         |

## Bin5 Statistics 30

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 277485.0          | 3     | 17          | 83.4             | 1454.0     | 1205.0     | 1801.0     | 1                       |
| 1       | 437880.0          | 3     | 17          | 97.3             | 1319.0     | 1826.0     | 1635.0     |                         |
| 2       | 598445.0          | 3     | 17          | 90.4             | 1079.0     | 1986.0     | 1674.0     |                         |
| 3       | 97088.0           | 3     | 17          | 91.8             | 1563.0     | 1151.0     | 1802.0     |                         |
| 4       | 257251.0          | 3     | 17          | 98.2             | 1876.0     | 1977.0     | 1766.0     |                         |
| 5       | 419893.0          | 1     | 17          | 59.5             | 1952.0     | -          | -          |                         |
| 6       | 580724.0          | 2     | 17          | 80.0             | 1253.0     | 1137.0     | -          |                         |
| 7       | 77366.0           | 3     | 17          | 86.5             | 1054.0     | 1128.0     | 1828.0     |                         |
| 8       | 238032.0          | 3     | 17          | 91.1             | 1105.0     | 1599.0     | 1442.0     |                         |
| 9       | 398605.0          | 3     | 17          | 93.5             | 1867.0     | 1373.0     | 1087.0     |                         |
| 10      | 562025.0          | 1     | 17          | 60.7             | 1033.0     | -          | -          |                         |
| 11      | 57684.0           | 2     | 17          | 67.2             | 1288.0     | 1405.0     | -          |                         |
| 12      | 219083.0          | 1     | 17          | 61.8             | 1585.0     | -          | -          |                         |
| 13      | 379234.0          | 2     | 17          | 79.4             | 1933.0     | 1667.0     | -          |                         |
| 14      | 540896.0          | 2     | 17          | 81.4             | 1096.0     | 1464.0     | -          |                         |
| 15      | 37916.0           | 1     | 17          | 65.7             | 1496.0     | -          | -          |                         |
| 16      | 198794.0          | 2     | 17          | 76.0             | 1733.0     | 1255.0     | -          |                         |
| 17      | 359754.0          | 2     | 17          | 81.0             | 1326.0     | 1668.0     | -          |                         |

**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                       | 5364             | 5717 | 5334 | 5705 | 5549 |
|                       |          |              |                  |          |                         | 5312             | 5260 | 5635 | 5503 | 5570 |
|                       |          |              |                  |          |                         | 5347             | 5508 | 5292 | 5447 | 5588 |
|                       |          |              |                  |          |                         | 5621             | 5638 | 5296 | 5482 | 5455 |
|                       |          |              |                  |          |                         | 5636             | 5593 | 5434 | 5306 | 5411 |
|                       |          |              |                  |          |                         | 5556             | 5378 | 5478 | 5432 | 5341 |
|                       |          |              |                  |          |                         | 5438             | 5294 | 5496 | 5285 | 5327 |
|                       |          |              |                  |          |                         | 5293             | 5502 | 5277 | 5403 | 5330 |
|                       |          |              |                  |          |                         | 5612             | 5720 | 5544 | 5615 | 5561 |
|                       |          |              |                  |          |                         | 5676             | 5704 | 5366 | 5290 | 5387 |
|                       |          |              |                  |          |                         | 5278             | 5723 | 5383 | 5368 | 5263 |
|                       |          |              |                  |          |                         | 5630             | 5375 | 5718 | 5281 | 5604 |
|                       |          |              |                  |          |                         | 5453             | 5509 | 5479 | 5400 | 5262 |
|                       |          |              |                  |          |                         | 5354             | 5467 | 5545 | 5466 | 5611 |
|                       |          |              |                  |          |                         | 5715             | 5402 | 5568 | 5641 | 5396 |
|                       |          |              |                  |          |                         | 5567             | 5557 | 5674 | 5359 | 5392 |
|                       |          |              |                  |          |                         | 5313             | 5537 | 5258 | 5475 | 5272 |
|                       |          |              |                  |          |                         | 5388             | 5474 | 5555 | 5410 | 5355 |
|                       |          |              |                  |          |                         | 5517             | 5382 | 5386 | 5664 | 5697 |
|                       |          |              |                  |          |                         | 5721             | 5268 | 5489 | 5706 | 5525 |
| (number of hits: 30 ) |          |              |                  |          |                         |                  |      |      |      |      |
| 2                     | 5570.0   | 9            | 1.0              | 333      | 1                       | 5619             | 5578 | 5270 | 5294 | 5354 |
|                       |          |              |                  |          |                         | 5660             | 5710 | 5666 | 5399 | 5656 |
|                       |          |              |                  |          |                         | 5297             | 5333 | 5642 | 5609 | 5709 |
|                       |          |              |                  |          |                         | 5668             | 5527 | 5647 | 5547 | 5284 |
|                       |          |              |                  |          |                         | 5375             | 5395 | 5384 | 5444 | 5705 |
|                       |          |              |                  |          |                         | 5584             | 5536 | 5480 | 5658 | 5453 |
|                       |          |              |                  |          |                         | 5403             | 5576 | 5588 | 5641 | 5465 |
|                       |          |              |                  |          |                         | 5674             | 5580 | 5623 | 5559 | 5627 |
|                       |          |              |                  |          |                         | 5553             | 5704 | 5673 | 5633 | 5724 |
|                       |          |              |                  |          |                         | 5373             | 5348 | 5331 | 5513 | 5637 |
|                       |          |              |                  |          |                         | 5544             | 5314 | 5585 | 5697 | 5257 |
|                       |          |              |                  |          |                         | 5672             | 5471 | 5423 | 5424 | 5638 |
|                       |          |              |                  |          |                         | 5644             | 5345 | 5569 | 5655 | 5413 |
|                       |          |              |                  |          |                         | 5271             | 5415 | 5550 | 5371 | 5335 |
|                       |          |              |                  |          |                         | 5382             | 5416 | 5533 | 5706 | 5558 |
|                       |          |              |                  |          |                         | 5535             | 5692 | 5256 | 5436 | 5716 |
|                       |          |              |                  |          |                         | 5385             | 5669 | 5458 | 5349 | 5456 |
|                       |          |              |                  |          |                         | 5336             | 5634 | 5703 | 5352 | 5280 |
|                       |          |              |                  |          |                         | 5506             | 5313 | 5690 | 5326 | 5631 |

|   |        |   |     |     |   |                              |      |      |      |      |
|---|--------|---|-----|-----|---|------------------------------|------|------|------|------|
|   |        |   |     |     |   | 5628<br>(number of hits: 35) | 5546 | 5289 | 5490 | 5590 |
| 3 | 5570.0 | 9 | 1.0 | 333 | 1 | 5302                         | 5342 | 5681 | 5455 | 5611 |
|   |        |   |     |     |   | 5493                         | 5682 | 5310 | 5257 | 5606 |
|   |        |   |     |     |   | 5587                         | 5561 | 5374 | 5362 | 5630 |
|   |        |   |     |     |   | 5322                         | 5320 | 5502 | 5475 | 5364 |
|   |        |   |     |     |   | 5555                         | 5353 | 5316 | 5387 | 5357 |
|   |        |   |     |     |   | 5332                         | 5654 | 5312 | 5262 | 5409 |
|   |        |   |     |     |   | 5522                         | 5547 | 5410 | 5618 | 5253 |
|   |        |   |     |     |   | 5311                         | 5683 | 5556 | 5470 | 5258 |
|   |        |   |     |     |   | 5537                         | 5398 | 5710 | 5491 | 5469 |
|   |        |   |     |     |   | 5670                         | 5465 | 5704 | 5456 | 5406 |
|   |        |   |     |     |   | 5384                         | 5400 | 5513 | 5720 | 5365 |
|   |        |   |     |     |   | 5296                         | 5276 | 5641 | 5445 | 5626 |
|   |        |   |     |     |   | 5564                         | 5620 | 5395 | 5334 | 5290 |
|   |        |   |     |     |   | 5401                         | 5578 | 5359 | 5569 | 5586 |
|   |        |   |     |     |   | 5282                         | 5649 | 5407 | 5368 | 5647 |
|   |        |   |     |     |   | 5643                         | 5509 | 5592 | 5675 | 5678 |
|   |        |   |     |     |   | 5581                         | 5275 | 5381 | 5512 | 5600 |
|   |        |   |     |     |   | 5304                         | 5382 | 5389 | 5458 | 5666 |
|   |        |   |     |     |   | 5419                         | 5642 | 5350 | 5526 | 5519 |
|   |        |   |     |     |   | 5709                         | 5692 | 5418 | 5653 | 5354 |
|   |        |   |     |     |   | (number of hits: 33 )        |      |      |      |      |
| 4 | 5570.0 | 9 | 1.0 | 333 | 1 | 5557                         | 5581 | 5617 | 5616 | 5356 |
|   |        |   |     |     |   | 5535                         | 5704 | 5385 | 5420 | 5338 |
|   |        |   |     |     |   | 5518                         | 5350 | 5415 | 5651 | 5313 |
|   |        |   |     |     |   | 5447                         | 5605 | 5520 | 5653 | 5563 |
|   |        |   |     |     |   | 5519                         | 5257 | 5476 | 5330 | 5598 |
|   |        |   |     |     |   | 5506                         | 5515 | 5366 | 5443 | 5661 |
|   |        |   |     |     |   | 5533                         | 5367 | 5358 | 5502 | 5606 |
|   |        |   |     |     |   | 5347                         | 5647 | 5266 | 5411 | 5451 |
|   |        |   |     |     |   | 5334                         | 5332 | 5709 | 5667 | 5394 |
|   |        |   |     |     |   | 5684                         | 5539 | 5464 | 5437 | 5665 |
|   |        |   |     |     |   | 5389                         | 5421 | 5416 | 5574 | 5488 |
|   |        |   |     |     |   | 5536                         | 5580 | 5279 | 5439 | 5324 |
|   |        |   |     |     |   | 5499                         | 5710 | 5708 | 5404 | 5305 |
|   |        |   |     |     |   | 5295                         | 5525 | 5589 | 5359 | 5452 |
|   |        |   |     |     |   | 5576                         | 5272 | 5492 | 5388 | 5551 |
|   |        |   |     |     |   | 5547                         | 5323 | 5724 | 5256 | 5721 |
|   |        |   |     |     |   | 5293                         | 5379 | 5584 | 5361 | 5508 |
|   |        |   |     |     |   | 5479                         | 5693 | 5341 | 5655 | 5715 |
|   |        |   |     |     |   | 5629                         | 5494 | 5401 | 5637 | 5423 |
|   |        |   |     |     |   | 5280                         | 5316 | 5662 | 5281 | 5649 |
|   |        |   |     |     |   | (number of hits: 34 )        |      |      |      |      |
| 5 | 5570.0 | 9 | 1.0 | 333 | 1 | 5337                         | 5345 | 5553 | 5302 | 5673 |
|   |        |   |     |     |   | 5577                         | 5629 | 5460 | 5583 | 5642 |

|   |        |   |     |     |   |                      |      |      |      |      |
|---|--------|---|-----|-----|---|----------------------|------|------|------|------|
|   |        |   |     |     |   | 5352                 | 5614 | 5456 | 5655 | 5672 |
|   |        |   |     |     |   | 5401                 | 5574 | 5611 | 5565 | 5370 |
|   |        |   |     |     |   | 5571                 | 5588 | 5295 | 5468 | 5303 |
|   |        |   |     |     |   | 5486                 | 5358 | 5718 | 5470 | 5380 |
|   |        |   |     |     |   | 5703                 | 5422 | 5324 | 5573 | 5654 |
|   |        |   |     |     |   | 5426                 | 5263 | 5634 | 5661 | 5462 |
|   |        |   |     |     |   | 5648                 | 5498 | 5270 | 5474 | 5664 |
|   |        |   |     |     |   | 5701                 | 5622 | 5425 | 5490 | 5552 |
|   |        |   |     |     |   | 5265                 | 5597 | 5467 | 5300 | 5432 |
|   |        |   |     |     |   | 5724                 | 5437 | 5469 | 5258 | 5715 |
|   |        |   |     |     |   | 5453                 | 5277 | 5637 | 5705 | 5348 |
|   |        |   |     |     |   | 5593                 | 5262 | 5561 | 5251 | 5255 |
|   |        |   |     |     |   | 5275                 | 5341 | 5364 | 5510 | 5516 |
|   |        |   |     |     |   | 5346                 | 5712 | 5504 | 5549 | 5356 |
|   |        |   |     |     |   | 5527                 | 5376 | 5264 | 5447 | 5442 |
|   |        |   |     |     |   | 5454                 | 5658 | 5428 | 5544 | 5374 |
|   |        |   |     |     |   | 5343                 | 5663 | 5478 | 5689 | 5384 |
|   |        |   |     |     |   | 5372                 | 5707 | 5274 | 5292 | 5466 |
|   |        |   |     |     |   | (number of hits: 27) |      |      |      |      |
| 6 | 5570.0 | 9 | 1.0 | 333 | 1 | 5592                 | 5584 | 5489 | 5463 | 5418 |
|   |        |   |     |     |   | 5619                 | 5651 | 5535 | 5271 | 5374 |
|   |        |   |     |     |   | 5283                 | 5500 | 5594 | 5375 | 5693 |
|   |        |   |     |     |   | 5604                 | 5714 | 5610 | 5562 | 5482 |
|   |        |   |     |     |   | 5279                 | 5711 | 5557 | 5276 | 5277 |
|   |        |   |     |     |   | 5307                 | 5446 | 5574 | 5414 | 5270 |
|   |        |   |     |     |   | 5408                 | 5281 | 5691 | 5428 | 5624 |
|   |        |   |     |     |   | 5625                 | 5354 | 5430 | 5339 | 5376 |
|   |        |   |     |     |   | 5487                 | 5581 | 5683 | 5617 | 5630 |
|   |        |   |     |     |   | 5644                 | 5705 | 5483 | 5342 | 5519 |
|   |        |   |     |     |   | 5298                 | 5518 | 5563 | 5598 | 5437 |
|   |        |   |     |     |   | 5391                 | 5659 | 5455 | 5686 | 5582 |
|   |        |   |     |     |   | 5697                 | 5469 | 5628 | 5294 | 5319 |
|   |        |   |     |     |   | 5597                 | 5631 | 5521 | 5436 | 5423 |
|   |        |   |     |     |   | 5278                 | 5665 | 5340 | 5485 | 5466 |
|   |        |   |     |     |   | 5438                 | 5315 | 5275 | 5614 | 5330 |
|   |        |   |     |     |   | 5520                 | 5590 | 5596 | 5264 | 5289 |
|   |        |   |     |     |   | 5405                 | 5646 | 5526 | 5346 | 5676 |
|   |        |   |     |     |   | 5267                 | 5539 | 5349 | 5600 | 5258 |
|   |        |   |     |     |   | 5671                 | 5533 | 5345 | 5587 | 5523 |
|   |        |   |     |     |   | (number of hits: 37) |      |      |      |      |
| 7 | 5570.0 | 9 | 1.0 | 333 | 1 | 5372                 | 5348 | 5425 | 5624 | 5260 |
|   |        |   |     |     |   | 5283                 | 5576 | 5610 | 5434 | 5581 |
|   |        |   |     |     |   | 5689                 | 5289 | 5635 | 5570 | 5714 |
|   |        |   |     |     |   | 5577                 | 5256 | 5342 | 5558 | 5279 |
|   |        |   |     |     |   | 5490                 | 5652 | 5549 | 5724 | 5640 |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5634                  | 5552 | 5300 | 5448 | 5409 |
|   |        |   |     |     |   | 5297                  | 5713 | 5431 | 5580 | 5444 |
|   |        |   |     |     |   | 5667                  | 5445 | 5701 | 5492 | 5290 |
|   |        |   |     |     |   | 5326                  | 5286 | 5621 | 5382 | 5280 |
|   |        |   |     |     |   | 5559                  | 5313 | 5541 | 5499 | 5704 |
|   |        |   |     |     |   | 5395                  | 5474 | 5569 | 5274 | 5421 |
|   |        |   |     |     |   | 5698                  | 5625 | 5345 | 5374 | 5657 |
|   |        |   |     |     |   | 5711                  | 5519 | 5642 | 5301 | 5454 |
|   |        |   |     |     |   | 5715                  | 5520 | 5536 | 5366 | 5413 |
|   |        |   |     |     |   | 5414                  | 5378 | 5417 | 5316 | 5428 |
|   |        |   |     |     |   | 5357                  | 5586 | 5484 | 5296 | 5430 |
|   |        |   |     |     |   | 5627                  | 5684 | 5653 | 5273 | 5606 |
|   |        |   |     |     |   | 5465                  | 5363 | 5491 | 5352 | 5355 |
|   |        |   |     |     |   | 5518                  | 5631 | 5688 | 5588 | 5329 |
|   |        |   |     |     |   | 5485                  | 5502 | 5590 | 5390 | 5531 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 8 | 5570.0 | 9 | 1.0 | 333 | 1 | 5530                  | 5587 | 5361 | 5310 | 5480 |
|   |        |   |     |     |   | 5325                  | 5598 | 5685 | 5500 | 5410 |
|   |        |   |     |     |   | 5523                  | 5553 | 5676 | 5290 | 5260 |
|   |        |   |     |     |   | 5568                  | 5383 | 5445 | 5603 | 5471 |
|   |        |   |     |     |   | 5498                  | 5514 | 5690 | 5638 | 5697 |
|   |        |   |     |     |   | 5431                  | 5583 | 5280 | 5404 | 5482 |
|   |        |   |     |     |   | 5451                  | 5661 | 5670 | 5646 | 5354 |
|   |        |   |     |     |   | 5642                  | 5331 | 5633 | 5594 | 5267 |
|   |        |   |     |     |   | 5301                  | 5640 | 5369 | 5559 | 5622 |
|   |        |   |     |     |   | 5277                  | 5391 | 5507 | 5396 | 5502 |
|   |        |   |     |     |   | 5552                  | 5494 | 5271 | 5650 | 5620 |
|   |        |   |     |     |   | 5363                  | 5719 | 5545 | 5338 | 5299 |
|   |        |   |     |     |   | 5564                  | 5628 | 5268 | 5684 | 5608 |
|   |        |   |     |     |   | 5283                  | 5343 | 5584 | 5572 | 5673 |
|   |        |   |     |     |   | 5683                  | 5517 | 5492 | 5381 | 5266 |
|   |        |   |     |     |   | 5292                  | 5387 | 5326 | 5706 | 5627 |
|   |        |   |     |     |   | 5682                  | 5262 | 5367 | 5276 | 5716 |
|   |        |   |     |     |   | 5270                  | 5511 | 5428 | 5458 | 5359 |
|   |        |   |     |     |   | 5351                  | 5600 | 5285 | 5394 | 5571 |
|   |        |   |     |     |   | 5400                  | 5265 | 5327 | 5643 | 5313 |
|   |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 9 | 5570.0 | 9 | 1.0 | 333 | 1 | 5310                  | 5351 | 5297 | 5374 | 5322 |
|   |        |   |     |     |   | 5367                  | 5523 | 5285 | 5663 | 5617 |
|   |        |   |     |     |   | 5454                  | 5342 | 5717 | 5485 | 5281 |
|   |        |   |     |     |   | 5656                  | 5510 | 5548 | 5648 | 5409 |
|   |        |   |     |     |   | 5680                  | 5631 | 5630 | 5670 | 5319 |
|   |        |   |     |     |   | 5435                  | 5483 | 5508 | 5516 | 5493 |
|   |        |   |     |     |   | 5647                  | 5627 | 5386 | 5506 | 5462 |
|   |        |   |     |     |   | 5470                  | 5724 | 5390 | 5420 | 5690 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5576                  | 5452 | 5497 | 5387 | 5274 |
|    |        |   |     |     |   | 5320                  | 5487 | 5479 | 5560 | 5605 |
|    |        |   |     |     |   | 5381                  | 5622 | 5671 | 5445 | 5489 |
|    |        |   |     |     |   | 5526                  | 5253 | 5279 | 5502 | 5397 |
|    |        |   |     |     |   | 5629                  | 5440 | 5678 | 5704 | 5544 |
|    |        |   |     |     |   | 5533                  | 5608 | 5408 | 5478 | 5655 |
|    |        |   |     |     |   | 5481                  | 5590 | 5268 | 5346 | 5673 |
|    |        |   |     |     |   | 5254                  | 5295 | 5258 | 5459 | 5372 |
|    |        |   |     |     |   | 5623                  | 5401 | 5267 | 5706 | 5545 |
|    |        |   |     |     |   | 5488                  | 5650 | 5324 | 5305 | 5373 |
|    |        |   |     |     |   | 5559                  | 5464 | 5660 | 5344 | 5698 |
|    |        |   |     |     |   | 5394                  | 5378 | 5363 | 5321 | 5311 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 10 | 5570.0 | 9 | 1.0 | 333 | 1 | 5565                  | 5590 | 5708 | 5535 | 5542 |
|    |        |   |     |     |   | 5409                  | 5545 | 5360 | 5351 | 5349 |
|    |        |   |     |     |   | 5288                  | 5606 | 5283 | 5583 | 5302 |
|    |        |   |     |     |   | 5269                  | 5637 | 5554 | 5693 | 5380 |
|    |        |   |     |     |   | 5417                  | 5274 | 5572 | 5719 | 5643 |
|    |        |   |     |     |   | 5682                  | 5287 | 5686 | 5612 | 5550 |
|    |        |   |     |     |   | 5632                  | 5536 | 5584 | 5504 | 5280 |
|    |        |   |     |     |   | 5660                  | 5512 | 5340 | 5661 | 5573 |
|    |        |   |     |     |   | 5604                  | 5415 | 5435 | 5530 | 5271 |
|    |        |   |     |     |   | 5627                  | 5467 | 5562 | 5618 | 5658 |
|    |        |   |     |     |   | 5646                  | 5401 | 5527 | 5722 | 5541 |
|    |        |   |     |     |   | 5268                  | 5336 | 5714 | 5372 | 5473 |
|    |        |   |     |     |   | 5526                  | 5539 | 5574 | 5369 | 5650 |
|    |        |   |     |     |   | 5367                  | 5482 | 5547 | 5715 | 5370 |
|    |        |   |     |     |   | 5598                  | 5252 | 5464 | 5484 | 5439 |
|    |        |   |     |     |   | 5622                  | 5305 | 5642 | 5374 | 5341 |
|    |        |   |     |     |   | 5711                  | 5385 | 5404 | 5264 | 5523 |
|    |        |   |     |     |   | 5448                  | 5326 | 5451 | 5270 | 5667 |
|    |        |   |     |     |   | 5356                  | 5621 | 5303 | 5724 | 5470 |
|    |        |   |     |     |   | 5639                  | 5386 | 5361 | 5278 | 5378 |
|    |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 11 | 5570.0 | 9 | 1.0 | 333 | 1 | 5345                  | 5354 | 5644 | 5696 | 5384 |
|    |        |   |     |     |   | 5548                  | 5470 | 5435 | 5514 | 5653 |
|    |        |   |     |     |   | 5694                  | 5492 | 5324 | 5303 | 5323 |
|    |        |   |     |     |   | 5357                  | 5667 | 5657 | 5641 | 5572 |
|    |        |   |     |     |   | 5425                  | 5440 | 5610 | 5711 | 5616 |
|    |        |   |     |     |   | 5473                  | 5414 | 5338 | 5584 | 5674 |
|    |        |   |     |     |   | 5541                  | 5719 | 5432 | 5480 | 5651 |
|    |        |   |     |     |   | 5431                  | 5457 | 5348 | 5615 | 5254 |
|    |        |   |     |     |   | 5715                  | 5373 | 5295 | 5365 | 5556 |
|    |        |   |     |     |   | 5447                  | 5645 | 5579 | 5533 | 5277 |
|    |        |   |     |     |   | 5703                  | 5298 | 5252 | 5566 | 5280 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5330                  | 5636 | 5562 | 5403 | 5444 |
|    |        |   |     |     |   | 5655                  | 5704 | 5519 | 5676 | 5427 |
|    |        |   |     |     |   | 5596                  | 5568 | 5583 | 5450 | 5640 |
|    |        |   |     |     |   | 5304                  | 5421 | 5547 | 5288 | 5598 |
|    |        |   |     |     |   | 5264                  | 5494 | 5484 | 5695 | 5488 |
|    |        |   |     |     |   | 5495                  | 5660 | 5293 | 5527 | 5639 |
|    |        |   |     |     |   | 5718                  | 5351 | 5643 | 5511 | 5462 |
|    |        |   |     |     |   | 5632                  | 5310 | 5394 | 5501 | 5476 |
|    |        |   |     |     |   | 5576                  | 5327 | 5378 | 5333 | 5362 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 12 | 5570.0 | 9 | 1.0 | 333 | 1 | 5503                  | 5593 | 5580 | 5382 | 5604 |
|    |        |   |     |     |   | 5590                  | 5492 | 5510 | 5385 | 5625 |
|    |        |   |     |     |   | 5281                  | 5365 | 5498 | 5344 | 5348 |
|    |        |   |     |     |   | 5319                  | 5285 | 5686 | 5386 | 5336 |
|    |        |   |     |     |   | 5509                  | 5551 | 5325 | 5589 | 5361 |
|    |        |   |     |     |   | 5563                  | 5520 | 5442 | 5618 | 5716 |
|    |        |   |     |     |   | 5411                  | 5459 | 5681 | 5300 | 5315 |
|    |        |   |     |     |   | 5522                  | 5350 | 5501 | 5529 | 5568 |
|    |        |   |     |     |   | 5323                  | 5689 | 5535 | 5362 | 5485 |
|    |        |   |     |     |   | 5427                  | 5253 | 5637 | 5667 | 5628 |
|    |        |   |     |     |   | 5404                  | 5349 | 5341 | 5389 | 5602 |
|    |        |   |     |     |   | 5518                  | 5277 | 5697 | 5415 | 5309 |
|    |        |   |     |     |   | 5394                  | 5464 | 5508 | 5639 | 5391 |
|    |        |   |     |     |   | 5380                  | 5282 | 5532 | 5582 | 5493 |
|    |        |   |     |     |   | 5533                  | 5587 | 5515 | 5574 | 5698 |
|    |        |   |     |     |   | 5483                  | 5614 | 5530 | 5676 | 5265 |
|    |        |   |     |     |   | 5605                  | 5441 | 5360 | 5636 | 5438 |
|    |        |   |     |     |   | 5351                  | 5474 | 5654 | 5500 | 5642 |
|    |        |   |     |     |   | 5321                  | 5579 | 5482 | 5610 | 5684 |
|    |        |   |     |     |   | 5388                  | 5443 | 5547 | 5581 | 5527 |
|    |        |   |     |     |   | number of hits: 44 )  |      |      |      |      |
| 13 | 5570.0 | 9 | 1.0 | 333 | 1 | 5283                  | 5357 | 5516 | 5543 | 5446 |
|    |        |   |     |     |   | 5632                  | 5417 | 5585 | 5268 | 5592 |
|    |        |   |     |     |   | 5459                  | 5545 | 5406 | 5693 | 5365 |
|    |        |   |     |     |   | 5436                  | 5388 | 5256 | 5578 | 5344 |
|    |        |   |     |     |   | 5675                  | 5492 | 5317 | 5562 | 5627 |
|    |        |   |     |     |   | 5512                  | 5723 | 5546 | 5652 | 5380 |
|    |        |   |     |     |   | 5300                  | 5455 | 5674 | 5358 | 5498 |
|    |        |   |     |     |   | 5454                  | 5710 | 5621 | 5654 | 5443 |
|    |        |   |     |     |   | 5504                  | 5678 | 5359 | 5407 | 5336 |
|    |        |   |     |     |   | 5695                  | 5720 | 5685 | 5580 | 5400 |
|    |        |   |     |     |   | 5430                  | 5687 | 5706 | 5544 | 5467 |
|    |        |   |     |     |   | 5419                  | 5289 | 5438 | 5559 | 5506 |
|    |        |   |     |     |   | 5340                  | 5554 | 5329 | 5558 | 5327 |
|    |        |   |     |     |   | 5385                  | 5662 | 5519 | 5590 | 5364 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5550                  | 5657 | 5355 | 5259 | 5673 |
|    |        |   |     |     |   | 5420                  | 5618 | 5697 | 5524 | 5275 |
|    |        |   |     |     |   | 5633                  | 5254 | 5424 | 5534 | 5274 |
|    |        |   |     |     |   | 5465                  | 5315 | 5415 | 5269 | 5488 |
|    |        |   |     |     |   | 5547                  | 5566 | 5616 | 5509 | 5427 |
|    |        |   |     |     |   | 5445                  | 5560 | 5636 | 5347 | 5432 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 14 | 5570.0 | 9 | 1.0 | 333 | 1 | 5538                  | 5596 | 5452 | 5704 | 5666 |
|    |        |   |     |     |   | 5674                  | 5439 | 5660 | 5431 | 5324 |
|    |        |   |     |     |   | 5390                  | 5334 | 5544 | 5413 | 5386 |
|    |        |   |     |     |   | 5524                  | 5573 | 5491 | 5301 | 5295 |
|    |        |   |     |     |   | 5352                  | 5269 | 5530 | 5406 | 5535 |
|    |        |   |     |     |   | 5515                  | 5364 | 5451 | 5650 | 5686 |
|    |        |   |     |     |   | 5422                  | 5664 | 5412 | 5317 | 5607 |
|    |        |   |     |     |   | 5318                  | 5496 | 5326 | 5417 | 5429 |
|    |        |   |     |     |   | 5454                  | 5343 | 5489 | 5565 | 5443 |
|    |        |   |     |     |   | 5356                  | 5721 | 5387 | 5419 | 5656 |
|    |        |   |     |     |   | 5298                  | 5475 | 5283 | 5281 | 5519 |
|    |        |   |     |     |   | 5393                  | 5498 | 5657 | 5713 | 5260 |
|    |        |   |     |     |   | 5470                  | 5724 | 5647 | 5477 | 5531 |
|    |        |   |     |     |   | 5278                  | 5594 | 5597 | 5663 | 5259 |
|    |        |   |     |     |   | 5505                  | 5690 | 5688 | 5526 | 5282 |
|    |        |   |     |     |   | 5719                  | 5638 | 5672 | 5253 | 5478 |
|    |        |   |     |     |   | 5338                  | 5630 | 5450 | 5632 | 5266 |
|    |        |   |     |     |   | 5497                  | 5466 | 5333 | 5366 | 5339 |
|    |        |   |     |     |   | 5434                  | 5591 | 5581 | 5351 | 5250 |
|    |        |   |     |     |   | 5411                  | 5442 | 5264 | 5545 | 5527 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 15 | 5570.0 | 9 | 1.0 | 333 | 1 | 5318                  | 5360 | 5388 | 5390 | 5508 |
|    |        |   |     |     |   | 5338                  | 5364 | 5260 | 5594 | 5628 |
|    |        |   |     |     |   | 5321                  | 5598 | 5585 | 5511 | 5407 |
|    |        |   |     |     |   | 5612                  | 5700 | 5497 | 5724 | 5487 |
|    |        |   |     |     |   | 5263                  | 5435 | 5471 | 5398 | 5306 |
|    |        |   |     |     |   | 5691                  | 5654 | 5279 | 5720 | 5464 |
|    |        |   |     |     |   | 5650                  | 5369 | 5532 | 5284 | 5516 |
|    |        |   |     |     |   | 5635                  | 5417 | 5310 | 5582 | 5368 |
|    |        |   |     |     |   | 5657                  | 5669 | 5503 | 5683 | 5353 |
|    |        |   |     |     |   | 5553                  | 5270 | 5502 | 5714 | 5351 |
|    |        |   |     |     |   | 5362                  | 5634 | 5457 | 5608 | 5711 |
|    |        |   |     |     |   | 5337                  | 5607 | 5452 | 5372 | 5706 |
|    |        |   |     |     |   | 5599                  | 5414 | 5396 | 5576 | 5303 |
|    |        |   |     |     |   | 5574                  | 5616 | 5702 | 5533 | 5534 |
|    |        |   |     |     |   | 5489                  | 5466 | 5428 | 5588 | 5693 |
|    |        |   |     |     |   | 5537                  | 5478 | 5293 | 5402 | 5387 |
|    |        |   |     |     |   | 5716                  | 5449 | 5266 | 5259 | 5377 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5401                  | 5627 | 5645 | 5632 | 5583 |
|    |        |   |     |     |   | 5557                  | 5561 | 5298 | 5320 | 5339 |
|    |        |   |     |     |   | 5597                  | 5518 | 5708 | 5262 | 5543 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 16 | 5570.0 | 9 | 1.0 | 333 | 1 | 5573                  | 5599 | 5324 | 5551 | 5253 |
|    |        |   |     |     |   | 5380                  | 5386 | 5335 | 5660 | 5360 |
|    |        |   |     |     |   | 5630                  | 5484 | 5626 | 5706 | 5428 |
|    |        |   |     |     |   | 5603                  | 5255 | 5600 | 5294 | 5679 |
|    |        |   |     |     |   | 5271                  | 5504 | 5412 | 5487 | 5481 |
|    |        |   |     |     |   | 5669                  | 5640 | 5382 | 5480 | 5279 |
|    |        |   |     |     |   | 5506                  | 5539 | 5326 | 5272 | 5533 |
|    |        |   |     |     |   | 5336                  | 5299 | 5508 | 5581 | 5260 |
|    |        |   |     |     |   | 5282                  | 5496 | 5277 | 5441 | 5448 |
|    |        |   |     |     |   | 5447                  | 5482 | 5250 | 5585 | 5297 |
|    |        |   |     |     |   | 5404                  | 5627 | 5510 | 5633 | 5553 |
|    |        |   |     |     |   | 5319                  | 5534 | 5659 | 5320 | 5406 |
|    |        |   |     |     |   | 5562                  | 5351 | 5677 | 5579 | 5438 |
|    |        |   |     |     |   | 5408                  | 5604 | 5520 | 5342 | 5651 |
|    |        |   |     |     |   | 5569                  | 5366 | 5284 | 5647 | 5500 |
|    |        |   |     |     |   | 5574                  | 5318 | 5289 | 5381 | 5437 |
|    |        |   |     |     |   | 5522                  | 5530 | 5697 | 5701 | 5376 |
|    |        |   |     |     |   | 5515                  | 5444 | 5561 | 5624 | 5365 |
|    |        |   |     |     |   | 5535                  | 5278 | 5641 | 5371 | 5587 |
|    |        |   |     |     |   | 5357                  | 5552 | 5493 | 5560 | 5608 |
|    |        |   |     |     |   | (number of hits: 41 ) |      |      |      |      |
| 17 | 5570.0 | 9 | 1.0 | 333 | 1 | 5256                  | 5460 | 5260 | 5615 | 5570 |
|    |        |   |     |     |   | 5422                  | 5311 | 5410 | 5348 | 5567 |
|    |        |   |     |     |   | 5561                  | 5273 | 5667 | 5426 | 5449 |
|    |        |   |     |     |   | 5691                  | 5382 | 5703 | 5339 | 5396 |
|    |        |   |     |     |   | 5279                  | 5670 | 5353 | 5479 | 5454 |
|    |        |   |     |     |   | 5557                  | 5492 | 5488 | 5584 | 5313 |
|    |        |   |     |     |   | 5645                  | 5525 | 5283 | 5487 | 5685 |
|    |        |   |     |     |   | 5534                  | 5341 | 5599 | 5377 | 5413 |
|    |        |   |     |     |   | 5671                  | 5335 | 5360 | 5379 | 5591 |
|    |        |   |     |     |   | 5444                  | 5411 | 5705 | 5668 | 5258 |
|    |        |   |     |     |   | 5457                  | 5514 | 5289 | 5334 | 5604 |
|    |        |   |     |     |   | 5408                  | 5357 | 5603 | 5263 | 5655 |
|    |        |   |     |     |   | 5548                  | 5551 | 5269 | 5383 | 5715 |
|    |        |   |     |     |   | 5527                  | 5466 | 5640 | 5600 | 5508 |
|    |        |   |     |     |   | 5576                  | 5651 | 5450 | 5669 | 5560 |
|    |        |   |     |     |   | 5321                  | 5613 | 5609 | 5642 | 5678 |
|    |        |   |     |     |   | 5478                  | 5486 | 5296 | 5608 | 5624 |
|    |        |   |     |     |   | 5524                  | 5438 | 5364 | 5580 | 5470 |
|    |        |   |     |     |   | 5606                  | 5325 | 5555 | 5489 | 5375 |

|    |        |   |     |     |   | 5480                  | 5674 | 5663 | 5282 | 5573 |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 18 | 5570.0 | 9 | 1.0 | 333 | 1 | 5511                  | 5699 | 5671 | 5301 | 5315 |
|    |        |   |     |     |   | 5464                  | 5333 | 5485 | 5396 | 5492 |
|    |        |   |     |     |   | 5537                  | 5708 | 5621 | 5470 | 5304 |
|    |        |   |     |     |   | 5509                  | 5331 | 5287 | 5588 | 5665 |
|    |        |   |     |     |   | 5264                  | 5391 | 5568 | 5427 | 5348 |
|    |        |   |     |     |   | 5441                  | 5691 | 5688 | 5347 | 5687 |
|    |        |   |     |     |   | 5414                  | 5715 | 5605 | 5459 | 5354 |
|    |        |   |     |     |   | 5480                  | 5312 | 5648 | 5663 | 5682 |
|    |        |   |     |     |   | 5271                  | 5540 | 5317 | 5356 | 5718 |
|    |        |   |     |     |   | 5685                  | 5276 | 5316 | 5413 | 5640 |
|    |        |   |     |     |   | 5510                  | 5655 | 5497 | 5558 | 5450 |
|    |        |   |     |     |   | 5599                  | 5692 | 5370 | 5367 | 5522 |
|    |        |   |     |     |   | 5434                  | 5328 | 5547 | 5353 | 5412 |
|    |        |   |     |     |   | 5366                  | 5549 | 5544 | 5408 | 5446 |
|    |        |   |     |     |   | 5253                  | 5266 | 5546 | 5421 | 5462 |
|    |        |   |     |     |   | 5355                  | 5481 | 5719 | 5659 | 5633 |
|    |        |   |     |     |   | 5499                  | 5552 | 5297 | 5521 | 5280 |
|    |        |   |     |     |   | 5438                  | 5681 | 5543 | 5565 | 5474 |
|    |        |   |     |     |   | 5279                  | 5608 | 5375 | 5619 | 5712 |
|    |        |   |     |     |   | 5523                  | 5257 | 5541 | 5507 | 5261 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 19 | 5570.0 | 9 | 1.0 | 333 | 1 | 5291                  | 5463 | 5607 | 5462 | 5632 |
|    |        |   |     |     |   | 5603                  | 5258 | 5560 | 5674 | 5326 |
|    |        |   |     |     |   | 5274                  | 5341 | 5491 | 5392 | 5636 |
|    |        |   |     |     |   | 5434                  | 5332 | 5305 | 5673 | 5430 |
|    |        |   |     |     |   | 5400                  | 5711 | 5293 | 5419 | 5317 |
|    |        |   |     |     |   | 5381                  | 5254 | 5303 | 5672 | 5345 |
|    |        |   |     |     |   | 5611                  | 5649 | 5619 | 5403 | 5541 |
|    |        |   |     |     |   | 5596                  | 5585 | 5623 | 5633 | 5438 |
|    |        |   |     |     |   | 5647                  | 5665 | 5359 | 5374 | 5466 |
|    |        |   |     |     |   | 5666                  | 5516 | 5589 | 5706 | 5586 |
|    |        |   |     |     |   | 5394                  | 5312 | 5646 | 5661 | 5493 |
|    |        |   |     |     |   | 5543                  | 5599 | 5273 | 5476 | 5276 |
|    |        |   |     |     |   | 5455                  | 5664 | 5498 | 5580 | 5618 |
|    |        |   |     |     |   | 5338                  | 5531 | 5435 | 5629 | 5424 |
|    |        |   |     |     |   | 5311                  | 5309 | 5314 | 5450 | 5310 |
|    |        |   |     |     |   | 5290                  | 5640 | 5410 | 5609 | 5333 |
|    |        |   |     |     |   | 5461                  | 5275 | 5518 | 5572 | 5620 |
|    |        |   |     |     |   | 5506                  | 5282 | 5342 | 5330 | 5573 |
|    |        |   |     |     |   | 5718                  | 5557 | 5517 | 5601 | 5708 |
|    |        |   |     |     |   | 5298                  | 5525 | 5405 | 5304 | 5682 |
|    |        |   |     |     |   | (number of hits: 38 ) |      |      |      |      |
| 20 | 5570.0 | 9 | 1.0 | 333 | 1 | 5546                  | 5702 | 5543 | 5623 | 5377 |
|    |        |   |     |     |   | 5645                  | 5280 | 5635 | 5265 | 5335 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5257                 | 5590 | 5315 | 5439 | 5512 |
|    |        |   |     |     |   | 5383                 | 5288 | 5440 | 5594 | 5681 |
|    |        |   |     |     |   | 5596                 | 5273 | 5649 | 5373 | 5502 |
|    |        |   |     |     |   | 5620                 | 5622 | 5518 | 5415 | 5393 |
|    |        |   |     |     |   | 5289                 | 5629 | 5560 | 5385 | 5372 |
|    |        |   |     |     |   | 5283                 | 5494 | 5337 | 5510 | 5424 |
|    |        |   |     |     |   | 5706                 | 5571 | 5361 | 5435 | 5479 |
|    |        |   |     |     |   | 5442                 | 5519 | 5456 | 5392 | 5290 |
|    |        |   |     |     |   | 5282                 | 5297 | 5679 | 5716 | 5500 |
|    |        |   |     |     |   | 5600                 | 5275 | 5464 | 5672 | 5308 |
|    |        |   |     |     |   | 5577                 | 5401 | 5390 | 5447 | 5450 |
|    |        |   |     |     |   | 5608                 | 5334 | 5507 | 5615 | 5524 |
|    |        |   |     |     |   | 5285                 | 5322 | 5430 | 5433 | 5621 |
|    |        |   |     |     |   | 5662                 | 5719 | 5589 | 5528 | 5515 |
|    |        |   |     |     |   | 5292                 | 5462 | 5566 | 5307 | 5284 |
|    |        |   |     |     |   | 5296                 | 5474 | 5724 | 5399 | 5710 |
|    |        |   |     |     |   | 5250                 | 5353 | 5509 | 5303 | 5597 |
|    |        |   |     |     |   | 5407                 | 5428 | 5562 | 5678 | 5300 |
|    |        |   |     |     |   | (number of hits: 35) |      |      |      |      |
| 21 | 5570.0 | 9 | 1.0 | 333 | 1 | 5704                 | 5466 | 5479 | 5309 | 5597 |
|    |        |   |     |     |   | 5687                 | 5680 | 5710 | 5428 | 5639 |
|    |        |   |     |     |   | 5566                 | 5379 | 5356 | 5634 | 5533 |
|    |        |   |     |     |   | 5471                 | 5318 | 5543 | 5422 | 5311 |
|    |        |   |     |     |   | 5592                 | 5665 | 5641 | 5443 | 5390 |
|    |        |   |     |     |   | 5569                 | 5350 | 5622 | 5449 | 5435 |
|    |        |   |     |     |   | 5653                 | 5586 | 5300 | 5537 | 5667 |
|    |        |   |     |     |   | 5325                 | 5585 | 5608 | 5269 | 5521 |
|    |        |   |     |     |   | 5263                 | 5314 | 5509 | 5504 | 5529 |
|    |        |   |     |     |   | 5408                 | 5528 | 5525 | 5393 | 5572 |
|    |        |   |     |     |   | 5343                 | 5646 | 5333 | 5386 | 5502 |
|    |        |   |     |     |   | 5660                 | 5688 | 5554 | 5465 | 5677 |
|    |        |   |     |     |   | 5338                 | 5326 | 5454 | 5260 | 5615 |
|    |        |   |     |     |   | 5403                 | 5347 | 5591 | 5396 | 5555 |
|    |        |   |     |     |   | 5515                 | 5579 | 5601 | 5527 | 5387 |
|    |        |   |     |     |   | 5261                 | 5707 | 5291 | 5550 | 5602 |
|    |        |   |     |     |   | 5439                 | 5257 | 5370 | 5692 | 5498 |
|    |        |   |     |     |   | 5512                 | 5487 | 5719 | 5401 | 5650 |
|    |        |   |     |     |   | 5335                 | 5402 | 5255 | 5659 | 5722 |
|    |        |   |     |     |   | 5364                 | 5493 | 5676 | 5510 | 5700 |
|    |        |   |     |     |   | (number of hits: 37) |      |      |      |      |
| 22 | 5570.0 | 9 | 1.0 | 333 | 1 | 5484                 | 5705 | 5415 | 5470 | 5439 |
|    |        |   |     |     |   | 5351                 | 5702 | 5310 | 5591 | 5371 |
|    |        |   |     |     |   | 5497                 | 5265 | 5494 | 5354 | 5554 |
|    |        |   |     |     |   | 5559                 | 5445 | 5646 | 5370 | 5503 |
|    |        |   |     |     |   | 5600                 | 5356 | 5252 | 5255 | 5416 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5656                 | 5421 | 5456 | 5251 | 5483 |
|    |        |   |     |     |   | 5477                 | 5542 | 5543 | 5418 | 5311 |
|    |        |   |     |     |   | 5390                 | 5464 | 5676 | 5501 | 5422 |
|    |        |   |     |     |   | 5435                 | 5674 | 5447 | 5269 | 5526 |
|    |        |   |     |     |   | 5337                 | 5508 | 5608 | 5451 | 5625 |
|    |        |   |     |     |   | 5522                 | 5642 | 5384 | 5475 | 5703 |
|    |        |   |     |     |   | 5507                 | 5401 | 5655 | 5496 | 5309 |
|    |        |   |     |     |   | 5455                 | 5619 | 5680 | 5326 | 5414 |
|    |        |   |     |     |   | 5345                 | 5492 | 5295 | 5318 | 5273 |
|    |        |   |     |     |   | 5587                 | 5530 | 5711 | 5615 | 5666 |
|    |        |   |     |     |   | 5638                 | 5670 | 5622 | 5583 | 5691 |
|    |        |   |     |     |   | 5367                 | 5626 | 5381 | 5561 | 5412 |
|    |        |   |     |     |   | 5682                 | 5718 | 5589 | 5286 | 5289 |
|    |        |   |     |     |   | 5553                 | 5314 | 5329 | 5261 | 5465 |
|    |        |   |     |     |   | 5541                 | 5463 | 5574 | 5671 | 5458 |
|    |        |   |     |     |   | (number of hits: 33) |      |      |      |      |
| 23 | 5570.0 | 9 | 1.0 | 333 | 1 | 5264                 | 5469 | 5351 | 5631 | 5659 |
|    |        |   |     |     |   | 5393                 | 5627 | 5385 | 5279 | 5578 |
|    |        |   |     |     |   | 5428                 | 5529 | 5535 | 5549 | 5575 |
|    |        |   |     |     |   | 5647                 | 5572 | 5274 | 5415 | 5695 |
|    |        |   |     |     |   | 5608                 | 5425 | 5668 | 5722 | 5389 |
|    |        |   |     |     |   | 5544                 | 5370 | 5355 | 5517 | 5616 |
|    |        |   |     |     |   | 5528                 | 5500 | 5633 | 5463 | 5685 |
|    |        |   |     |     |   | 5603                 | 5292 | 5297 | 5349 | 5513 |
|    |        |   |     |     |   | 5577                 | 5509 | 5523 | 5644 | 5488 |
|    |        |   |     |     |   | 5691                 | 5412 | 5678 | 5495 | 5398 |
|    |        |   |     |     |   | 5343                 | 5435 | 5564 | 5526 | 5451 |
|    |        |   |     |     |   | 5589                 | 5462 | 5315 | 5280 | 5584 |
|    |        |   |     |     |   | 5309                 | 5625 | 5336 | 5615 | 5294 |
|    |        |   |     |     |   | 5530                 | 5702 | 5565 | 5596 | 5345 |
|    |        |   |     |     |   | 5670                 | 5630 | 5560 | 5591 | 5607 |
|    |        |   |     |     |   | 5693                 | 5468 | 5477 | 5407 | 5545 |
|    |        |   |     |     |   | 5721                 | 5409 | 5402 | 5525 | 5552 |
|    |        |   |     |     |   | 5381                 | 5483 | 5340 | 5326 | 5609 |
|    |        |   |     |     |   | 5494                 | 5364 | 5499 | 5423 | 5465 |
|    |        |   |     |     |   | 5518                 | 5558 | 5569 | 5716 | 5718 |
|    |        |   |     |     |   | (number of hits: 45) |      |      |      |      |
| 24 | 5570.0 | 9 | 1.0 | 333 | 1 | 5519                 | 5708 | 5287 | 5695 | 5501 |
|    |        |   |     |     |   | 5435                 | 5649 | 5460 | 5442 | 5407 |
|    |        |   |     |     |   | 5262                 | 5318 | 5576 | 5269 | 5596 |
|    |        |   |     |     |   | 5638                 | 5699 | 5377 | 5412 | 5591 |
|    |        |   |     |     |   | 5706                 | 5336 | 5362 | 5432 | 5697 |
|    |        |   |     |     |   | 5387                 | 5556 | 5454 | 5658 | 5417 |
|    |        |   |     |     |   | 5457                 | 5373 | 5712 | 5408 | 5645 |
|    |        |   |     |     |   | 5480                 | 5568 | 5350 | 5360 | 5352 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5660                  | 5323 | 5652 | 5520 | 5573 |
|    |        |   |     |     |   | 5468                  | 5299 | 5470 | 5634 | 5285 |
|    |        |   |     |     |   | 5274                  | 5486 | 5275 | 5349 | 5298 |
|    |        |   |     |     |   | 5680                  | 5416 | 5463 | 5512 | 5251 |
|    |        |   |     |     |   | 5713                  | 5474 | 5667 | 5683 | 5453 |
|    |        |   |     |     |   | 5282                  | 5438 | 5718 | 5566 | 5534 |
|    |        |   |     |     |   | 5399                  | 5514 | 5656 | 5633 | 5409 |
|    |        |   |     |     |   | 5567                  | 5584 | 5338 | 5545 | 5623 |
|    |        |   |     |     |   | 5490                  | 5663 | 5612 | 5309 | 5406 |
|    |        |   |     |     |   | 5694                  | 5525 | 5499 | 5448 | 5294 |
|    |        |   |     |     |   | 5574                  | 5332 | 5659 | 5370 | 5436 |
|    |        |   |     |     |   | 5477                  | 5415 | 5542 | 5467 | 5319 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 25 | 5570.0 | 9 | 1.0 | 333 | 1 | 5299                  | 5472 | 5698 | 5381 | 5721 |
|    |        |   |     |     |   | 5477                  | 5574 | 5535 | 5508 | 5614 |
|    |        |   |     |     |   | 5668                  | 5582 | 5617 | 5367 | 5251 |
|    |        |   |     |     |   | 5351                  | 5383 | 5505 | 5604 | 5527 |
|    |        |   |     |     |   | 5660                  | 5647 | 5328 | 5335 | 5549 |
|    |        |   |     |     |   | 5590                  | 5488 | 5700 | 5403 | 5414 |
|    |        |   |     |     |   | 5588                  | 5389 | 5703 | 5309 | 5571 |
|    |        |   |     |     |   | 5364                  | 5503 | 5274 | 5666 | 5365 |
|    |        |   |     |     |   | 5261                  | 5417 | 5517 | 5405 | 5448 |
|    |        |   |     |     |   | 5382                  | 5528 | 5687 | 5695 | 5537 |
|    |        |   |     |     |   | 5717                  | 5393 | 5370 | 5653 | 5331 |
|    |        |   |     |     |   | 5600                  | 5270 | 5639 | 5612 | 5515 |
|    |        |   |     |     |   | 5376                  | 5667 | 5269 | 5252 | 5677 |
|    |        |   |     |     |   | 5586                  | 5642 | 5258 | 5636 | 5543 |
|    |        |   |     |     |   | 5458                  | 5479 | 5623 | 5400 | 5444 |
|    |        |   |     |     |   | 5301                  | 5372 | 5428 | 5341 | 5575 |
|    |        |   |     |     |   | 5290                  | 5316 | 5345 | 5347 | 5627 |
|    |        |   |     |     |   | 5349                  | 5470 | 5565 | 5432 | 5628 |
|    |        |   |     |     |   | 5676                  | 5447 | 5672 | 5552 | 5468 |
|    |        |   |     |     |   | 5469                  | 5359 | 5321 | 5325 | 5678 |
|    |        |   |     |     |   | (number of hits: 32 ) |      |      |      |      |
| 26 | 5570.0 | 9 | 1.0 | 333 | 1 | 5457                  | 5711 | 5634 | 5542 | 5563 |
|    |        |   |     |     |   | 5616                  | 5596 | 5610 | 5671 | 5346 |
|    |        |   |     |     |   | 5599                  | 5371 | 5658 | 5562 | 5638 |
|    |        |   |     |     |   | 5339                  | 5381 | 5486 | 5453 | 5321 |
|    |        |   |     |     |   | 5535                  | 5351 | 5588 | 5417 | 5308 |
|    |        |   |     |     |   | 5586                  | 5498 | 5318 | 5289 | 5522 |
|    |        |   |     |     |   | 5364                  | 5292 | 5706 | 5426 | 5448 |
|    |        |   |     |     |   | 5662                  | 5257 | 5656 | 5663 | 5505 |
|    |        |   |     |     |   | 5674                  | 5657 | 5514 | 5334 | 5428 |
|    |        |   |     |     |   | 5465                  | 5489 | 5265 | 5437 | 5404 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5396                  | 5373 | 5564 | 5581 | 5324 |
|    |        |   |     |     |   | 5368                  | 5625 | 5571 | 5399 | 5329 |
|    |        |   |     |     |   | 5557                  | 5347 | 5677 | 5271 | 5462 |
|    |        |   |     |     |   | 5541                  | 5576 | 5383 | 5280 | 5250 |
|    |        |   |     |     |   | 5261                  | 5485 | 5519 | 5502 | 5578 |
|    |        |   |     |     |   | 5525                  | 5604 | 5652 | 5613 | 5700 |
|    |        |   |     |     |   | 5435                  | 5400 | 5609 | 5331 | 5635 |
|    |        |   |     |     |   | 5385                  | 5281 | 5299 | 5595 | 5350 |
|    |        |   |     |     |   | 5382                  | 5407 | 5695 | 5546 | 5683 |
|    |        |   |     |     |   | 5607                  | 5263 | 5655 | 5550 | 5459 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 27 | 5570.0 | 9 | 1.0 | 333 | 1 | 5712                  | 5475 | 5570 | 5703 | 5308 |
|    |        |   |     |     |   | 5658                  | 5521 | 5685 | 5359 | 5650 |
|    |        |   |     |     |   | 5433                  | 5257 | 5699 | 5282 | 5659 |
|    |        |   |     |     |   | 5427                  | 5508 | 5589 | 5498 | 5610 |
|    |        |   |     |     |   | 5446                  | 5420 | 5626 | 5409 | 5281 |
|    |        |   |     |     |   | 5377                  | 5350 | 5424 | 5393 | 5556 |
|    |        |   |     |     |   | 5406                  | 5656 | 5328 | 5315 | 5721 |
|    |        |   |     |     |   | 5587                  | 5278 | 5528 | 5431 | 5674 |
|    |        |   |     |     |   | 5441                  | 5531 | 5515 | 5422 | 5608 |
|    |        |   |     |     |   | 5263                  | 5408 | 5548 | 5547 | 5318 |
|    |        |   |     |     |   | 5324                  | 5280 | 5572 | 5639 | 5542 |
|    |        |   |     |     |   | 5671                  | 5294 | 5558 | 5347 | 5494 |
|    |        |   |     |     |   | 5502                  | 5654 | 5600 | 5692 | 5663 |
|    |        |   |     |     |   | 5662                  | 5577 | 5311 | 5414 | 5661 |
|    |        |   |     |     |   | 5352                  | 5711 | 5361 | 5334 | 5398 |
|    |        |   |     |     |   | 5461                  | 5289 | 5698 | 5668 | 5585 |
|    |        |   |     |     |   | 5429                  | 5723 | 5481 | 5629 | 5595 |
|    |        |   |     |     |   | 5300                  | 5329 | 5331 | 5597 | 5598 |
|    |        |   |     |     |   | 5624                  | 5368 | 5645 | 5679 | 5485 |
|    |        |   |     |     |   | 5707                  | 5563 | 5591 | 5636 | 5537 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 28 | 5570.0 | 9 | 1.0 | 333 | 1 | 5492                  | 5714 | 5506 | 5389 | 5625 |
|    |        |   |     |     |   | 5700                  | 5543 | 5285 | 5522 | 5382 |
|    |        |   |     |     |   | 5364                  | 5521 | 5265 | 5477 | 5680 |
|    |        |   |     |     |   | 5418                  | 5635 | 5692 | 5327 | 5454 |
|    |        |   |     |     |   | 5586                  | 5567 | 5498 | 5254 | 5299 |
|    |        |   |     |     |   | 5627                  | 5594 | 5590 | 5448 | 5642 |
|    |        |   |     |     |   | 5661                  | 5564 | 5541 | 5629 | 5369 |
|    |        |   |     |     |   | 5324                  | 5584 | 5588 | 5280 | 5614 |
|    |        |   |     |     |   | 5453                  | 5565 | 5605 | 5570 | 5291 |
|    |        |   |     |     |   | 5631                  | 5371 | 5589 | 5534 | 5273 |
|    |        |   |     |     |   | 5690                  | 5494 | 5355 | 5482 | 5707 |
|    |        |   |     |     |   | 5641                  | 5513 | 5657 | 5659 | 5544 |
|    |        |   |     |     |   | 5486                  | 5426 | 5638 | 5611 | 5516 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5618                  | 5684 | 5464 | 5697 | 5658 |
|    |        |   |     |     |   | 5374                  | 5420 | 5258 | 5721 | 5566 |
|    |        |   |     |     |   | 5681                  | 5358 | 5262 | 5696 | 5297 |
|    |        |   |     |     |   | 5621                  | 5709 | 5439 | 5672 | 5304 |
|    |        |   |     |     |   | 5616                  | 5368 | 5491 | 5475 | 5341 |
|    |        |   |     |     |   | 5580                  | 5318 | 5281 | 5380 | 5519 |
|    |        |   |     |     |   | 5537                  | 5362 | 5645 | 5524 | 5325 |
|    |        |   |     |     |   | (number of hits: 43 ) |      |      |      |      |
| 29 | 5570.0 | 9 | 1.0 | 333 | 1 | 5272                  | 5478 | 5539 | 5550 | 5370 |
|    |        |   |     |     |   | 5267                  | 5565 | 5360 | 5588 | 5589 |
|    |        |   |     |     |   | 5295                  | 5310 | 5306 | 5672 | 5701 |
|    |        |   |     |     |   | 5506                  | 5287 | 5320 | 5491 | 5519 |
|    |        |   |     |     |   | 5462                  | 5655 | 5508 | 5490 | 5702 |
|    |        |   |     |     |   | 5531                  | 5626 | 5355 | 5698 | 5624 |
|    |        |   |     |     |   | 5717                  | 5401 | 5716 | 5264 | 5293 |
|    |        |   |     |     |   | 5557                  | 5692 | 5262 | 5502 | 5594 |
|    |        |   |     |     |   | 5319                  | 5391 | 5330 | 5602 | 5499 |
|    |        |   |     |     |   | 5271                  | 5336 | 5663 | 5424 | 5476 |
|    |        |   |     |     |   | 5410                  | 5449 | 5266 | 5342 | 5317 |
|    |        |   |     |     |   | 5299                  | 5670 | 5564 | 5463 | 5460 |
|    |        |   |     |     |   | 5387                  | 5311 | 5349 | 5489 | 5415 |
|    |        |   |     |     |   | 5252                  | 5681 | 5687 | 5560 | 5552 |
|    |        |   |     |     |   | 5353                  | 5576 | 5593 | 5683 | 5464 |
|    |        |   |     |     |   | 5507                  | 5350 | 5379 | 5605 | 5366 |
|    |        |   |     |     |   | 5382                  | 5547 | 5361 | 5371 | 5518 |
|    |        |   |     |     |   | 5385                  | 5721 | 5294 | 5341 | 5612 |
|    |        |   |     |     |   | 5378                  | 5621 | 5389 | 5457 | 5292 |
|    |        |   |     |     |   | 5534                  | 5497 | 5412 | 5374 | 5597 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 30 | 5570.0 | 9 | 1.0 | 333 | 1 | 5430                  | 5717 | 5475 | 5711 | 5687 |
|    |        |   |     |     |   | 5406                  | 5490 | 5435 | 5276 | 5321 |
|    |        |   |     |     |   | 5604                  | 5574 | 5444 | 5295 | 5722 |
|    |        |   |     |     |   | 5594                  | 5414 | 5326 | 5536 | 5373 |
|    |        |   |     |     |   | 5346                  | 5546 | 5579 | 5675 | 5419 |
|    |        |   |     |     |   | 5478                  | 5558 | 5327 | 5658 | 5629 |
|    |        |   |     |     |   | 5420                  | 5674 | 5519 | 5559 | 5432 |
|    |        |   |     |     |   | 5648                  | 5488 | 5512 | 5513 | 5433 |
|    |        |   |     |     |   | 5402                  | 5329 | 5570 | 5599 | 5331 |
|    |        |   |     |     |   | 5251                  | 5624 | 5477 | 5266 | 5286 |
|    |        |   |     |     |   | 5625                  | 5317 | 5431 | 5518 | 5621 |
|    |        |   |     |     |   | 5653                  | 5279 | 5358 | 5343 | 5514 |
|    |        |   |     |     |   | 5434                  | 5650 | 5627 | 5413 | 5509 |
|    |        |   |     |     |   | 5491                  | 5660 | 5371 | 5545 | 5665 |
|    |        |   |     |     |   | 5291                  | 5467 | 5259 | 5338 | 5486 |

|  |  |  |  |  |  |                       |      |      |      |      |
|--|--|--|--|--|--|-----------------------|------|------|------|------|
|  |  |  |  |  |  | 5428                  | 5528 | 5613 | 5481 | 5299 |
|  |  |  |  |  |  | 5549                  | 5309 | 5612 | 5695 | 5681 |
|  |  |  |  |  |  | 5581                  | 5422 | 5540 | 5386 | 5699 |
|  |  |  |  |  |  | 5503                  | 5446 | 5256 | 5462 | 5640 |
|  |  |  |  |  |  | 5427                  | 5377 | 5487 | 5398 | 5307 |
|  |  |  |  |  |  | (number of hits: 32 ) |      |      |      |      |

**Client Mode  
Pine Radio****5570 MHz, 160 MHz Bandwidth**

| <b>Radar Signal Type</b>      | <b>Waveform/Trial Number</b> | <b>Detection (%)</b> | <b>Limit (%)</b> | <b>Pass/Fail</b> |
|-------------------------------|------------------------------|----------------------|------------------|------------------|
| <b>Type 1A/1B</b>             | 30                           | 100 %                | 60%              | Pass             |
| <b>Type 2</b>                 | 30                           | 83.3 %               | 60%              | Pass             |
| <b>Type 3</b>                 | 30                           | 100 %                | 60%              | Pass             |
| <b>Type 4</b>                 | 30                           | 83.3 %               | 60%              | Pass             |
| <b>Aggregate (Type1 to 4)</b> | 120                          | 91.65%               | 80%              | Pass             |
| <b>Type 5</b>                 | 30                           | 100 %                | 80%              | Pass             |
| <b>Type 6</b>                 | 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.*

| <b>Trial #</b>                               | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|--|--------------------|--|------------------------------------|------------------------------------|
| 1  | 57                 | 1.0  | 938                                | 1                                  |
| 2  | 76                 | 1.0  | 698                                | 1                                  |
| 3  | 86                 | 1.0  | 618                                | 1                                  |
| 4  | 99                 | 1.0  | 538                                | 1                                  |
| 5  | 61                 | 1.0  | 878                                | 1                                  |
| 6  | 18                 | 1.0  | 3066                               | 1                                  |
| 7  | 83                 | 1.0  | 638                                | 1                                  |
| 8  | 58                 | 1.0  | 918                                | 1                                  |
| 9  | 63                 | 1.0  | 838                                | 1                                  |
| 10   | 62                 | 1.0  | 858                                | 1                                  |
| 11   | 67                 | 1.0  | 798                                | 1                                  |
| 12   | 74                 | 1.0  | 718                                | 1                                  |
| 13   | 92                 | 1.0  | 578                                | 1                                  |
| 14   | 89                 | 1.0  | 598                                | 1                                  |
| 15   | 95                 | 1.0  | 558                                | 1                                  |
| 16   | 21                 | 1.0  | 2536                               | 1                                  |
| 17   | 55                 | 1.0  | 966                                | 1                                  |
| 18   | 64                 | 1.0  | 827                                | 1                                  |
| 19   | 22                 | 1.0  | 2501                               | 1                                  |
| 20   | 21                 | 1.0  | 2595                               | 1                                  |
| 21   | 48                 | 1.0  | 1114                               | 1                                  |
| 22   | 41                 | 1.0  | 1302                               | 1                                  |
| 23   | 18                 | 1.0  | 3045                               | 1                                  |
| 24   | 33                 | 1.0  | 1624                               | 1                                  |
| 25   | 19                 | 1.0  | 2878                               | 1                                  |
| 26   | 52                 | 1.0  | 1027                               | 1                                  |
| 27   | 22                 | 1.0  | 2485                               | 1                                  |
| 28   | 33                 | 1.0  | 1600                               | 1                                  |
| 29   | 46                 | 1.0  | 1172                               | 1                                  |
| 30   | 45                 | 1.0  | 1177                               | 1                                  |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |                    |  |                                    |                                    |

**Table-2 Radar Type 2 Statistical Performance**

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

| <b>Trial #</b>                                | <b>Pulse/Burst</b> | <b>Pulse Width<br/>(<math>\mu</math>S)</b> | <b>PRI<br/>(<math>\mu</math>s)</b> | <b>Detection<br/>(1:yes; 0:no)</b> |
|---|--------------------|--|------------------------------------|------------------------------------|
| 1   | 26                 | 3.2  | 179                                | 1                                  |
| 2   | 23                 | 1.1  | 207                                | 1                                  |
| 3   | 24                 | 2.1  | 230                                | 1                                  |
| 4   | 29                 | 4.8  | 200                                | 0                                  |
| 5   | 28                 | 3.9  | 214                                | 1                                  |
| 6   | 26                 | 2.9  | 222                                | 1                                  |
| 7   | 26                 | 3.2  | 204                                | 1                                  |
| 8   | 25                 | 2.5  | 192                                | 0                                  |
| 9   | 26                 | 3.1  | 164                                | 1                                  |
| 10  | 23                 | 1.2  | 156                                | 1                                  |
| 11  | 27                 | 3.9  | 210                                | 0                                  |
| 12  | 29                 | 4.6  | 201                                | 0                                  |
| 13  | 26                 | 3.2  | 162                                | 1                                  |
| 14  | 25                 | 2.2  | 197                                | 0                                  |
| 15  | 29                 | 4.5  | 163                                | 1                                  |
| 16  | 26                 | 3  | 203                                | 1                                  |
| 17  | 29                 | 5  | 168                                | 1                                  |
| 18  | 25                 | 2.4  | 217                                | 1                                  |
| 19  | 26                 | 2.9  | 191                                | 1                                  |
| 20  | 25                 | 2.3  | 166                                | 1                                  |
| 21  | 27                 | 3.7  | 150                                | 1                                  |
| 22  | 25                 | 2.2  | 176                                | 1                                  |
| 23  | 29                 | 4.9  | 195                                | 1                                  |
| 24  | 26                 | 2.9  | 202                                | 1                                  |
| 25  | 25                 | 2.5  | 178                                | 1                                  |
| 26  | 23                 | 1.1  | 206                                | 1                                  |
| 27  | 27                 | 3.8  | 155                                | 1                                  |
| 28  | 29                 | 4.7  | 157                                | 1                                  |
| 29  | 25                 | 2.4  | 224                                | 1                                  |
| 30  | 28                 | 4.2  | 159                                | 1                                  |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |                    |  |                                    |                                    |

**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          | 8.2              | 355      | 1                       |
| 2  | 16          | 6.1              | 487      | 1                       |
| 3  | 16          | 7.1              | 344      | 1                       |
| 4  | 18          | 9.8              | 288      | 1                       |
| 5  | 18          | 8.9              | 230      | 1                       |
| 6  | 17          | 7.9              | 432      | 1                       |
| 7  | 17          | 8.2              | 207      | 1                       |
| 8  | 17          | 7.5              | 443      | 1                       |
| 9  | 17          | 8.1              | 439      | 1                       |
| 10   | 16          | 6.2              | 223      | 1                       |
| 11   | 18          | 8.9              | 208      | 1                       |
| 12   | 18          | 9.6              | 463      | 1                       |
| 13   | 17          | 8.2              | 441      | 1                       |
| 14   | 16          | 7.2              | 323      | 1                       |
| 15   | 18          | 9.5              | 297      | 1                       |
| 16   | 17          | 8                | 412      | 1                       |
| 17   | 18          | 10               | 324      | 1                       |
| 18   | 17          | 7.4              | 271      | 1                       |
| 19   | 17          | 7.9              | 349      | 1                       |
| 20   | 16          | 7.3              | 409      | 1                       |
| 21   | 18          | 8.7              | 373      | 1                       |
| 22   | 16          | 7.2              | 254      | 1                       |
| 23   | 18          | 9.9              | 274      | 1                       |
| 24   | 17          | 7.9              | 278      | 1                       |
| 25   | 17          | 7.5              | 317      | 1                       |
| 26   | 16          | 6.1              | 260      | 1                       |
| 27   | 18          | 8.8              | 211      | 1                       |
| 28   | 18          | 9.7              | 272      | 1                       |
| 29   | 17          | 7.4              | 264      | 1                       |
| 30   | 18          | 9.2              | 284      | 1                       |
| <b>Detection Percentage: 100 % (&gt;60%)</b> |             |                  |          |                         |

**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   | 14          | 16               | 355      | 1                       |
| 2   | 12          | 11.3             | 487      | 1                       |
| 3   | 13          | 13.5             | 344      | 1                       |
| 4   | 16          | 19.4             | 288      | 1                       |
| 5   | 15          | 17.5             | 230      | 1                       |
| 6   | 14          | 15.3             | 432      | 1                       |
| 7   | 14          | 15.9             | 207      | 1                       |
| 8   | 13          | 14.3             | 443      | 0                       |
| 9   | 14          | 15.8             | 439      | 1                       |
| 10  | 12          | 11.5             | 223      | 1                       |
| 11  | 15          | 17.4             | 208      | 1                       |
| 12  | 16          | 19               | 463      | 0                       |
| 13  | 14          | 16               | 441      | 0                       |
| 14  | 13          | 13.8             | 323      | 1                       |
| 15  | 16          | 18.9             | 297      | 1                       |
| 16  | 14          | 15.5             | 412      | 1                       |
| 17  | 16          | 19.9             | 324      | 1                       |
| 18  | 13          | 14.1             | 271      | 1                       |
| 19  | 14          | 15.2             | 349      | 1                       |
| 20  | 13          | 13.8             | 409      | 0                       |
| 21  | 15          | 17.1             | 373      | 1                       |
| 22  | 13          | 13.8             | 254      | 1                       |
| 23  | 16          | 19.8             | 274      | 1                       |
| 24  | 14          | 15.3             | 278      | 1                       |
| 25  | 13          | 14.5             | 317      | 0                       |
| 26  | 12          | 11.3             | 260      | 1                       |
| 27  | 15          | 17.3             | 211      | 1                       |
| 28  | 16          | 19.2             | 272      | 1                       |
| 29  | 13          | 14.2             | 264      | 1                       |
| 30  | 15          | 18.2             | 284      | 1                       |
| <b>Detection Percentage: 83.3 % (&gt;60%)</b> |             |                  |          |                         |

**Table-5 Radar Type 5 Statistical Performance**

| <b>Trial #</b>                               | <b>Fc (MHz)</b> | <b>Detection (1:yes; 0:no)</b> |
|--|-----------------|--------------------------------|
| 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   | 5498.0          | 1                              |
| 12   | 5500.0          | 1                              |
| 13   | 5497.0          | 1                              |
| 14   | 5496.0          | 1                              |
| 15   | 5499.0          | 1                              |
| 16   | 5497.0          | 1                              |
| 17   | 5500.0          | 1                              |
| 18   | 5496.0          | 1                              |
| 19   | 5497.0          | 1                              |
| 20   | 5496.0          | 1                              |
| 21   | 5642.0          | 1                              |
| 22   | 5644.0          | 1                              |
| 23   | 5640.0          | 1                              |
| 24   | 5643.0          | 1                              |
| 25   | 5644.0          | 1                              |
| 26   | 5646.0          | 1                              |
| 27   | 5642.0          | 1                              |
| 28   | 5640.0          | 1                              |
| 29   | 5644.0          | 1                              |
| 30   | 5641.0          | 1                              |
| <b>Detection Percentage: 100 % (&gt;80%)</b> |                 |                                |



## Bin5 Statistics 1

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 636185.0          | 2     | 13          | 77.8             | 1665.0     | 1477.0     | -          | 1                       |
| 1       | 32674.0           | 1     | 13          | 51.9             | 1074.0     | -          | -          |                         |
| 2       | 226294.0          | 1     | 13          | 63.8             | 1584.0     | -          | -          |                         |
| 3       | 417976.0          | 3     | 13          | 96.6             | 1682.0     | 1786.0     | 1843.0     |                         |
| 4       | 611152.0          | 3     | 13          | 85.9             | 1795.0     | 1215.0     | 1729.0     |                         |
| 5       | 8789.0            | 2     | 13          | 73.7             | 1198.0     | 1549.0     | -          |                         |
| 6       | 201917.0          | 2     | 13          | 77.2             | 1837.0     | 1819.0     | -          |                         |
| 7       | 395530.0          | 2     | 13          | 68.4             | 1587.0     | 1114.0     | -          |                         |
| 8       | 588564.0          | 2     | 13          | 76.7             | 2000.0     | 1155.0     | -          |                         |
| 9       | 783794.0          | 1     | 13          | 53.2             | 1147.0     | -          | -          |                         |
| 10      | 177933.0          | 3     | 13          | 85.7             | 1433.0     | 1695.0     | 1394.0     |                         |
| 11      | 370624.0          | 3     | 13          | 94.3             | 1670.0     | 1426.0     | 1935.0     |                         |
| 12      | 564893.0          | 2     | 13          | 77.6             | 1294.0     | 1671.0     | -          |                         |
| 13      | 759583.0          | 1     | 13          | 65.7             | 1512.0     | -          | -          |                         |
| 14      | 154262.0          | 3     | 13          | 93.5             | 1444.0     | 1130.0     | 1468.0     |                         |

## Bin5 Statistics 2

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 653020.0          | 2     | 5           | 75.0             | 1880.0     | 1527.0     | -          | 1                       |
| 1       | 1015643.0         | 3     | 5           | 99.4             | 1401.0     | 1262.0     | 1257.0     |                         |
| 2       | 1379398.0         | 2     | 5           | 67.4             | 1531.0     | 1403.0     | -          |                         |
| 3       | 245489.0          | 2     | 5           | 73.6             | 1449.0     | 1041.0     | -          |                         |
| 4       | 609113.0          | 1     | 5           | 65.9             | 1432.0     | -          | -          |                         |
| 5       | 970852.0          | 3     | 5           | 83.8             | 1356.0     | 1292.0     | 1419.0     |                         |
| 6       | 1335913.0         | 1     | 5           | 65.5             | 1543.0     | -          | -          |                         |
| 7       | 200406.0          | 3     | 5           | 98.6             | 1548.0     | 1796.0     | 1728.0     |                         |

## Bin5 Statistics 3

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 409565.0          | 2     | 9           | 73.8             | 1806.0     | 1538.0     | -          | 1                       |
| 1       | 673692.0          | 2     | 9           | 69.5             | 1117.0     | 1649.0     | -          |                         |
| 2       | 938562.0          | 1     | 9           | 51.9             | 1651.0     | -          | -          |                         |
| 3       | 113209.0          | 3     | 9           | 84.6             | 1976.0     | 1032.0     | 1271.0     |                         |
| 4       | 376726.0          | 3     | 9           | 95.4             | 1060.0     | 1903.0     | 1388.0     |                         |
| 5       | 641212.0          | 2     | 9           | 68.0             | 1368.0     | 1351.0     | -          |                         |
| 6       | 903714.0          | 3     | 9           | 89.6             | 1338.0     | 1514.0     | 1573.0     |                         |
| 7       | 80863.0           | 2     | 9           | 81.9             | 1022.0     | 1689.0     | -          |                         |
| 8       | 344067.0          | 3     | 9           | 88.3             | 1810.0     | 1330.0     | 1838.0     |                         |
| 9       | 609331.0          | 1     | 9           | 53.7             | 1597.0     | -          | -          |                         |
| 10      | 871542.0          | 3     | 9           | 91.3             | 1961.0     | 1106.0     | 1001.0     |                         |

## Bin5 Statistics 4

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 26541.0           | 2     | 19          | 68.1             | 1339.0     | 1355.0     | -          | 1                       |
| 1       | 171821.0          | 1     | 19          | 58.7             | 1251.0     | -          | -          |                         |
| 2       | 316229.0          | 2     | 19          | 75.3             | 1136.0     | 1640.0     | -          |                         |
| 3       | 461864.0          | 1     | 19          | 56.4             | 1753.0     | -          | -          |                         |
| 4       | 8677.0            | 3     | 19          | 99.7             | 1196.0     | 1708.0     | 1159.0     |                         |
| 5       | 153995.0          | 1     | 19          | 57.7             | 1013.0     | -          | -          |                         |
| 6       | 299238.0          | 1     | 19          | 59.5             | 1072.0     | -          | -          |                         |
| 7       | 443177.0          | 2     | 19          | 80.0             | 1482.0     | 1369.0     | -          |                         |
| 8       | 587671.0          | 2     | 19          | 82.0             | 1993.0     | 1197.0     | -          |                         |
| 9       | 135674.0          | 2     | 19          | 82.8             | 1883.0     | 1005.0     | -          |                         |
| 10      | 279928.0          | 3     | 19          | 88.0             | 1061.0     | 1928.0     | 1101.0     |                         |
| 11      | 424279.0          | 3     | 19          | 93.2             | 1207.0     | 1907.0     | 1223.0     |                         |
| 12      | 570132.0          | 2     | 19          | 70.4             | 1526.0     | 1360.0     | -          |                         |
| 13      | 117439.0          | 3     | 19          | 95.3             | 1171.0     | 1955.0     | 1775.0     |                         |
| 14      | 262502.0          | 2     | 19          | 81.9             | 1690.0     | 1545.0     | -          |                         |
| 15      | 406573.0          | 3     | 19          | 98.5             | 1975.0     | 1169.0     | 1062.0     |                         |
| 16      | 553328.0          | 1     | 19          | 65.0             | 1767.0     | -          | -          |                         |
| 17      | 99799.0           | 3     | 19          | 85.4             | 1011.0     | 1637.0     | 1425.0     |                         |
| 18      | 244095.0          | 3     | 19          | 91.6             | 1878.0     | 1445.0     | 1325.0     |                         |
| 19      | 390012.0          | 2     | 19          | 67.3             | 1091.0     | 1218.0     | -          |                         |

## Bin5 Statistics 5

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 629614.0          | 2     | 16          | 67.9             | 1320.0     | 1133.0     | -          | 1                       |
| 1       | 96856.0           | 1     | 16          | 62.3             | 1957.0     | -          | -          |                         |
| 2       | 267719.0          | 1     | 16          | 53.3             | 1592.0     | -          | -          |                         |
| 3       | 436784.0          | 3     | 16          | 90.0             | 1900.0     | 1153.0     | 1346.0     |                         |
| 4       | 608289.0          | 2     | 16          | 77.1             | 1166.0     | 1646.0     | -          |                         |
| 5       | 75610.0           | 3     | 16          | 83.9             | 1278.0     | 1232.0     | 1459.0     |                         |
| 6       | 245638.0          | 3     | 16          | 89.1             | 1240.0     | 1384.0     | 1939.0     |                         |
| 7       | 416355.0          | 2     | 16          | 81.8             | 1833.0     | 1676.0     | -          |                         |
| 8       | 588736.0          | 1     | 16          | 50.3             | 1075.0     | -          | -          |                         |
| 9       | 54571.0           | 3     | 16          | 87.1             | 1116.0     | 1996.0     | 1756.0     |                         |
| 10      | 225175.0          | 2     | 16          | 71.3             | 1225.0     | 1815.0     | -          |                         |
| 11      | 394825.0          | 3     | 16          | 97.5             | 1884.0     | 1465.0     | 1132.0     |                         |
| 12      | 565361.0          | 3     | 16          | 90.6             | 1561.0     | 1040.0     | 1354.0     |                         |
| 13      | 33643.0           | 3     | 16          | 86.3             | 1596.0     | 1183.0     | 1792.0     |                         |
| 14      | 203957.0          | 3     | 16          | 97.6             | 1365.0     | 1073.0     | 1361.0     |                         |
| 15      | 373812.0          | 3     | 16          | 84.7             | 1021.0     | 1718.0     | 1854.0     |                         |
| 16      | 544060.0          | 3     | 16          | 99.7             | 1150.0     | 1244.0     | 1988.0     |                         |

## Bin5 Statistics 6

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 15438.0           | 3     | 12          | 92.9             | 1085.0     | 1564.0     | 1407.0     | 1                       |
| 1       | 222486.0          | 2     | 12          | 67.7             | 1744.0     | 1747.0     | -          |                         |
| 2       | 430731.0          | 1     | 12          | 65.8             | 1092.0     | -          | -          |                         |
| 3       | 637784.0          | 1     | 12          | 56.3             | 1851.0     | -          | -          |                         |
| 4       | 845342.0          | 1     | 12          | 53.7             | 1727.0     | -          | -          |                         |
| 5       | 196720.0          | 3     | 12          | 83.5             | 1679.0     | 1930.0     | 1025.0     |                         |
| 6       | 404955.0          | 1     | 12          | 65.8             | 1519.0     | -          | -          |                         |
| 7       | 610711.0          | 3     | 12          | 85.9             | 1134.0     | 1034.0     | 1808.0     |                         |
| 8       | 818057.0          | 2     | 12          | 76.3             | 1606.0     | 1926.0     | -          |                         |
| 9       | 171459.0          | 2     | 12          | 81.5             | 1891.0     | 1714.0     | -          |                         |
| 10      | 377969.0          | 3     | 12          | 89.4             | 1310.0     | 1594.0     | 1827.0     |                         |
| 11      | 586875.0          | 1     | 12          | 63.4             | 1568.0     | -          | -          |                         |
| 12      | 792834.0          | 2     | 12          | 69.6             | 1307.0     | 1925.0     | -          |                         |
| 13      | 146044.0          | 2     | 12          | 74.5             | 1264.0     | 1846.0     | -          |                         |

## Bin5 Statistics 7

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 329022.0          | 3     | 13          | 96.6             | 1182.0     | 1609.0     | 1581.0     | 1                       |
| 1       | 521718.0          | 3     | 13          | 96.7             | 1829.0     | 1799.0     | 1154.0     |                         |
| 2       | 714222.0          | 3     | 13          | 86.5             | 1923.0     | 1396.0     | 1865.0     |                         |
| 3       | 112450.0          | 2     | 13          | 73.3             | 1908.0     | 1318.0     | -          |                         |
| 4       | 306283.0          | 1     | 13          | 55.8             | 1688.0     | -          | -          |                         |
| 5       | 500239.0          | 1     | 13          | 55.4             | 1145.0     | -          | -          |                         |
| 6       | 690932.0          | 3     | 13          | 85.3             | 1336.0     | 1504.0     | 1820.0     |                         |
| 7       | 88645.0           | 2     | 13          | 79.4             | 1344.0     | 1893.0     | -          |                         |
| 8       | 282508.0          | 1     | 13          | 65.7             | 1476.0     | -          | -          |                         |
| 9       | 475842.0          | 2     | 13          | 68.6             | 1008.0     | 1028.0     | -          |                         |
| 10      | 667887.0          | 2     | 13          | 77.7             | 1972.0     | 1835.0     | -          |                         |
| 11      | 64845.0           | 2     | 13          | 79.6             | 1882.0     | 1331.0     | -          |                         |
| 12      | 257755.0          | 3     | 13          | 94.9             | 1830.0     | 1070.0     | 1349.0     |                         |
| 13      | 452335.0          | 1     | 13          | 61.4             | 1451.0     | -          | -          |                         |
| 14      | 643395.0          | 3     | 13          | 90.6             | 1233.0     | 1562.0     | 1887.0     |                         |

## Bin5 Statistics 8

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 51446.0           | 1     | 10          | 52.6             | 1210.0     | -          | -          | 1                       |
| 1       | 292696.0          | 3     | 10          | 84.1             | 1314.0     | 1725.0     | 1529.0     |                         |
| 2       | 533989.0          | 3     | 10          | 97.7             | 1139.0     | 1868.0     | 1805.0     |                         |
| 3       | 775564.0          | 3     | 10          | 97.3             | 1341.0     | 1446.0     | 1755.0     |                         |
| 4       | 21542.0           | 3     | 10          | 98.8             | 1544.0     | 1386.0     | 1302.0     |                         |
| 5       | 263385.0          | 2     | 10          | 72.2             | 1771.0     | 1184.0     | -          |                         |
| 6       | 505581.0          | 2     | 10          | 67.6             | 1175.0     | 1027.0     | -          |                         |
| 7       | 747058.0          | 2     | 10          | 75.7             | 1026.0     | 1871.0     | -          |                         |
| 8       | 989976.0          | 1     | 10          | 60.9             | 1798.0     | -          | -          |                         |
| 9       | 234024.0          | 1     | 10          | 64.2             | 1138.0     | -          | -          |                         |
| 10      | 475207.0          | 2     | 10          | 78.8             | 1784.0     | 1604.0     | -          |                         |
| 11      | 715825.0          | 3     | 10          | 87.5             | 1511.0     | 1712.0     | 1683.0     |                         |

## Bin5 Statistics 9

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 823112.0          | 1     | 13          | 54.1             | 1415.0     | -          | -          | 1                       |
| 1       | 174965.0          | 1     | 13          | 50.7             | 1221.0     | -          | -          |                         |
| 2       | 382216.0          | 1     | 13          | 52.3             | 1974.0     | -          | -          |                         |
| 3       | 587395.0          | 3     | 13          | 99.8             | 1558.0     | 1696.0     | 1949.0     |                         |
| 4       | 796897.0          | 2     | 13          | 68.4             | 1014.0     | 1099.0     | -          |                         |
| 5       | 149042.0          | 2     | 13          | 80.8             | 1736.0     | 1505.0     | -          |                         |
| 6       | 356750.0          | 1     | 13          | 62.5             | 1778.0     | -          | -          |                         |
| 7       | 563824.0          | 2     | 13          | 74.8             | 1149.0     | 1204.0     | -          |                         |
| 8       | 772314.0          | 1     | 13          | 50.8             | 1049.0     | -          | -          |                         |
| 9       | 123796.0          | 1     | 13          | 54.0             | 1417.0     | -          | -          |                         |
| 10      | 331215.0          | 1     | 13          | 63.0             | 1730.0     | -          | -          |                         |
| 11      | 537402.0          | 3     | 13          | 91.8             | 1143.0     | 1270.0     | 1347.0     |                         |
| 12      | 744805.0          | 2     | 13          | 79.3             | 1274.0     | 1992.0     | -          |                         |
| 13      | 98172.0           | 1     | 13          | 64.3             | 1937.0     | -          | -          |                         |

## Bin5 Statistics 10

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 535615.0          | 1     | 6           | 63.4             | 1043.0     | -          | -          | 1                       |
| 1       | 898668.0          | 1     | 6           | 52.0             | 1863.0     | -          | -          |                         |
| 2       | 1259235.0         | 3     | 6           | 97.2             | 1973.0     | 1605.0     | 1583.0     |                         |
| 3       | 127106.0          | 2     | 6           | 78.7             | 1466.0     | 1743.0     | -          |                         |
| 4       | 490358.0          | 2     | 6           | 74.2             | 1280.0     | 1219.0     | -          |                         |
| 5       | 852409.0          | 3     | 6           | 88.7             | 1293.0     | 1934.0     | 1273.0     |                         |
| 6       | 1217152.0         | 1     | 6           | 54.3             | 1991.0     | -          | -          |                         |
| 7       | 82296.0           | 3     | 6           | 95.4             | 1580.0     | 1555.0     | 1791.0     |                         |

## Bin5 Statistics 11

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 209249.0                 | 2            | 16                 | 73.7                    | 1208.0            | 1497.0            | -                 | 1                              |
| 1              | 378386.0                 | 3            | 16                 | 97.4                    | 1942.0            | 1754.0            | 1613.0            |                                |
| 2              | 548411.0                 | 3            | 16                 | 91.7                    | 1999.0            | 1702.0            | 1462.0            |                                |
| 3              | 17733.0                  | 1            | 16                 | 66.2                    | 1393.0            | -                 | -                 |                                |
| 4              | 187952.0                 | 2            | 16                 | 70.8                    | 1968.0            | 1821.0            | -                 |                                |
| 5              | 359277.0                 | 1            | 16                 | 52.3                    | 1740.0            | -                 | -                 |                                |
| 6              | 528886.0                 | 2            | 16                 | 78.9                    | 1308.0            | 1984.0            | -                 |                                |
| 7              | 700166.0                 | 2            | 16                 | 70.9                    | 1050.0            | 1358.0            | -                 |                                |
| 8              | 167197.0                 | 2            | 16                 | 75.6                    | 1437.0            | 1430.0            | -                 |                                |
| 9              | 338262.0                 | 1            | 16                 | 59.1                    | 1697.0            | -                 | -                 |                                |
| 10             | 508324.0                 | 2            | 16                 | 77.0                    | 1397.0            | 1304.0            | -                 |                                |
| 11             | 678689.0                 | 2            | 16                 | 67.9                    | 1803.0            | 1083.0            | -                 |                                |
| 12             | 146031.0                 | 2            | 16                 | 81.2                    | 1720.0            | 1932.0            | -                 |                                |
| 13             | 316923.0                 | 2            | 16                 | 78.7                    | 1247.0            | 1121.0            | -                 |                                |
| 14             | 488056.0                 | 1            | 16                 | 63.3                    | 1634.0            | -                 | -                 |                                |
| 15             | 657326.0                 | 2            | 16                 | 68.9                    | 1849.0            | 1423.0            | -                 |                                |
| 16             | 125509.0                 | 1            | 16                 | 59.3                    | 1093.0            | -                 | -                 |                                |

## Bin5 Statistics 12

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 263736.0                 | 3            | 19                 | 98.9                    | 1381.0            | 1680.0            | 1488.0            | 1                              |
| 1              | 416459.0                 | 2            | 19                 | 82.3                    | 1716.0            | 1855.0            | -                 |                                |
| 2              | 567902.0                 | 3            | 19                 | 86.7                    | 1211.0            | 1400.0            | 1919.0            |                                |
| 3              | 92979.0                  | 3            | 19                 | 89.7                    | 1861.0            | 1068.0            | 1282.0            |                                |
| 4              | 245155.0                 | 3            | 19                 | 98.6                    | 1507.0            | 1194.0            | 1461.0            |                                |
| 5              | 397609.0                 | 2            | 19                 | 71.1                    | 1921.0            | 1789.0            | -                 |                                |
| 6              | 551431.0                 | 1            | 19                 | 55.9                    | 1947.0            | -                 | -                 |                                |
| 7              | 74413.0                  | 2            | 19                 | 67.9                    | 1350.0            | 1372.0            | -                 |                                |
| 8              | 226559.0                 | 3            | 19                 | 84.4                    | 1203.0            | 1107.0            | 1443.0            |                                |
| 9              | 380056.0                 | 1            | 19                 | 58.8                    | 1715.0            | -                 | -                 |                                |
| 10             | 533408.0                 | 1            | 19                 | 65.6                    | 1017.0            | -                 | -                 |                                |
| 11             | 55547.0                  | 2            | 19                 | 78.5                    | 1911.0            | 1704.0            | -                 |                                |
| 12             | 207876.0                 | 2            | 19                 | 82.3                    | 1845.0            | 1686.0            | -                 |                                |
| 13             | 359771.0                 | 3            | 19                 | 90.1                    | 1938.0            | 1071.0            | 1266.0            |                                |
| 14             | 511297.0                 | 3            | 19                 | 90.2                    | 1989.0            | 1089.0            | 1950.0            |                                |
| 15             | 36803.0                  | 2            | 19                 | 83.1                    | 1943.0            | 1406.0            | -                 |                                |
| 16             | 189652.0                 | 1            | 19                 | 58.8                    | 1742.0            | -                 | -                 |                                |
| 17             | 341809.0                 | 2            | 19                 | 77.0                    | 1187.0            | 1657.0            | -                 |                                |
| 18             | 495737.0                 | 1            | 19                 | 55.0                    | 1012.0            | -                 | -                 |                                |

## Bin5 Statistics 13

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 22911.0           | 1     | 13          | 58.1             | 1929.0     | -          | -          | 1                       |
| 1       | 216473.0          | 1     | 13          | 52.1             | 1910.0     | -          | -          |                         |
| 2       | 410004.0          | 1     | 13          | 59.9             | 1971.0     | -          | -          |                         |
| 3       | 603671.0          | 1     | 13          | 60.2             | 1812.0     | -          | -          |                         |
| 4       | 794160.0          | 3     | 13          | 95.9             | 1399.0     | 1906.0     | 1608.0     |                         |
| 5       | 192251.0          | 2     | 13          | 79.9             | 1626.0     | 1859.0     | -          |                         |
| 6       | 385590.0          | 2     | 13          | 78.5             | 1238.0     | 1917.0     | -          |                         |
| 7       | 579862.0          | 1     | 13          | 53.8             | 1763.0     | -          | -          |                         |
| 8       | 773423.0          | 1     | 13          | 64.7             | 1800.0     | -          | -          |                         |
| 9       | 168898.0          | 1     | 13          | 61.4             | 1390.0     | -          | -          |                         |
| 10      | 361606.0          | 2     | 13          | 83.2             | 1692.0     | 1858.0     | -          |                         |
| 11      | 553866.0          | 3     | 13          | 84.7             | 1533.0     | 1677.0     | 1638.0     |                         |
| 12      | 747241.0          | 3     | 13          | 88.7             | 1703.0     | 1528.0     | 1058.0     |                         |
| 13      | 144710.0          | 2     | 13          | 78.3             | 1258.0     | 1951.0     | -          |                         |
| 14      | 337856.0          | 2     | 13          | 69.3             | 1731.0     | 1717.0     | -          |                         |

## Bin5 Statistics 14

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 664275.0          | 2     | 10          | 75.3             | 1994.0     | 1612.0     | -          | 1                       |
| 1       | 907886.0          | 1     | 10          | 56.3             | 1456.0     | -          | -          |                         |
| 2       | 151316.0          | 2     | 10          | 67.7             | 1617.0     | 1185.0     | -          |                         |
| 3       | 393746.0          | 1     | 10          | 55.6             | 1337.0     | -          | -          |                         |
| 4       | 635093.0          | 2     | 10          | 75.2             | 1421.0     | 1267.0     | -          |                         |
| 5       | 876993.0          | 2     | 10          | 76.3             | 1359.0     | 1305.0     | -          |                         |
| 6       | 121278.0          | 3     | 10          | 85.7             | 1547.0     | 1362.0     | 1924.0     |                         |
| 7       | 362696.0          | 3     | 10          | 98.4             | 1873.0     | 1550.0     | 1249.0     |                         |
| 8       | 604342.0          | 3     | 10          | 86.4             | 1779.0     | 1439.0     | 1046.0     |                         |
| 9       | 846453.0          | 3     | 10          | 93.6             | 1059.0     | 1031.0     | 1452.0     |                         |
| 10      | 91871.0           | 1     | 10          | 63.3             | 1328.0     | -          | -          |                         |
| 11      | 333050.0          | 3     | 10          | 92.4             | 1412.0     | 1673.0     | 1322.0     |                         |



## Bin5 Statistics 15

| <b>Trial #</b> | <b>Burst Offset (µS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (µS)</b> | <b>PRI-1 (µS)</b> | <b>PRI-2 (µS)</b> | <b>PRI-3 (µS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 361323.0                 | 3            | 18                 | 93.3                    | 1983.0            | 1912.0            | 1535.0            | 1                              |
| 1              | 515261.0                 | 2            | 18                 | 69.1                    | 1102.0            | 1794.0            | -                 |                                |
| 2              | 39025.0                  | 3            | 18                 | 86.9                    | 1044.0            | 1152.0            | 1148.0            |                                |
| 3              | 190900.0                 | 3            | 18                 | 84.9                    | 1894.0            | 1948.0            | 1118.0            |                                |
| 4              | 343941.0                 | 2            | 18                 | 72.3                    | 1094.0            | 1916.0            | -                 |                                |
| 5              | 497624.0                 | 1            | 18                 | 51.7                    | 1447.0            | -                 | -                 |                                |
| 6              | 20319.0                  | 1            | 18                 | 58.3                    | 1429.0            | -                 | -                 |                                |
| 7              | 172999.0                 | 1            | 18                 | 60.8                    | 1979.0            | -                 | -                 |                                |
| 8              | 325872.0                 | 1            | 18                 | 57.1                    | 1641.0            | -                 | -                 |                                |
| 9              | 475841.0                 | 3            | 18                 | 88.9                    | 1886.0            | 1964.0            | 1489.0            |                                |
| 10             | 1489.0                   | 2            | 18                 | 72.0                    | 1909.0            | 1297.0            | -                 |                                |
| 11             | 153647.0                 | 3            | 18                 | 90.9                    | 1261.0            | 1566.0            | 1370.0            |                                |
| 12             | 307096.0                 | 1            | 18                 | 59.8                    | 1552.0            | -                 | -                 |                                |
| 13             | 458804.0                 | 2            | 18                 | 70.0                    | 1759.0            | 1291.0            | -                 |                                |
| 14             | 610798.0                 | 2            | 18                 | 67.2                    | 1625.0            | 1881.0            | -                 |                                |
| 15             | 134759.0                 | 3            | 18                 | 91.2                    | 1382.0            | 1832.0            | 1661.0            |                                |
| 16             | 288306.0                 | 1            | 18                 | 56.5                    | 1483.0            | -                 | -                 |                                |
| 17             | 441296.0                 | 1            | 18                 | 51.2                    | 1237.0            | -                 | -                 |                                |
| 18             | 592780.0                 | 2            | 18                 | 74.1                    | 1471.0            | 1245.0            | -                 |                                |

## Bin5 Statistics 16

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 158286.0                 | 2            | 12                 | 76.9                    | 1110.0            | 1140.0            | -                 | 1                              |
| 1              | 366024.0                 | 1            | 12                 | 50.2                    | 1316.0            | -                 | -                 |                                |
| 2              | 573452.0                 | 1            | 12                 | 62.9                    | 1520.0            | -                 | -                 |                                |
| 3              | 780619.0                 | 1            | 12                 | 64.7                    | 1902.0            | -                 | -                 |                                |
| 4              | 132455.0                 | 3            | 12                 | 83.8                    | 1410.0            | 1097.0            | 1621.0            |                                |
| 5              | 340207.0                 | 1            | 12                 | 65.4                    | 1944.0            | -                 | -                 |                                |
| 6              | 548208.0                 | 1            | 12                 | 53.2                    | 1024.0            | -                 | -                 |                                |
| 7              | 755333.0                 | 1            | 12                 | 51.7                    | 1603.0            | -                 | -                 |                                |
| 8              | 107117.0                 | 2            | 12                 | 78.7                    | 1804.0            | 1168.0            | -                 |                                |
| 9              | 314500.0                 | 2            | 12                 | 72.4                    | 1030.0            | 1343.0            | -                 |                                |
| 10             | 522447.0                 | 1            | 12                 | 53.8                    | 1327.0            | -                 | -                 |                                |
| 11             | 728517.0                 | 2            | 12                 | 73.6                    | 1524.0            | 1553.0            | -                 |                                |
| 12             | 81611.0                  | 2            | 12                 | 66.7                    | 1722.0            | 1122.0            | -                 |                                |
| 13             | 288948.0                 | 2            | 12                 | 82.5                    | 1404.0            | 1019.0            | -                 |                                |

## Bin5 Statistics 17

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 345766.0          | 3     | 20          | 87.6             | 1565.0     | 1055.0     | 1840.0     | 1                       |
| 1       | 490019.0          | 3     | 20          | 85.2             | 1735.0     | 1541.0     | 1408.0     |                         |
| 2       | 39073.0           | 3     | 20          | 84.8             | 1534.0     | 1889.0     | 1463.0     |                         |
| 3       | 183923.0          | 2     | 20          | 77.9             | 1749.0     | 1460.0     | -          |                         |
| 4       | 328777.0          | 2     | 20          | 76.5             | 1518.0     | 1485.0     | -          |                         |
| 5       | 474728.0          | 1     | 20          | 60.9             | 1540.0     | -          | -          |                         |
| 6       | 21394.0           | 2     | 20          | 83.0             | 1080.0     | 1010.0     | -          |                         |
| 7       | 165992.0          | 2     | 20          | 80.4             | 1824.0     | 1752.0     | -          |                         |
| 8       | 310973.0          | 2     | 20          | 67.5             | 1764.0     | 1181.0     | -          |                         |
| 9       | 456884.0          | 1     | 20          | 62.1             | 1495.0     | -          | -          |                         |
| 10      | 3515.0            | 3     | 20          | 86.4             | 1773.0     | 1966.0     | 1263.0     |                         |
| 11      | 147928.0          | 3     | 20          | 84.3             | 1593.0     | 1188.0     | 1788.0     |                         |
| 12      | 293225.0          | 2     | 20          | 76.9             | 1226.0     | 1537.0     | -          |                         |
| 13      | 436922.0          | 3     | 20          | 95.8             | 1192.0     | 1298.0     | 1844.0     |                         |
| 14      | 584015.0          | 1     | 20          | 55.2             | 1644.0     | -          | -          |                         |
| 15      | 130832.0          | 1     | 20          | 59.0             | 1402.0     | -          | -          |                         |
| 16      | 274684.0          | 3     | 20          | 94.5             | 1296.0     | 1700.0     | 1283.0     |                         |
| 17      | 418579.0          | 3     | 20          | 91.9             | 1970.0     | 1978.0     | 1165.0     |                         |
| 18      | 563464.0          | 3     | 20          | 85.2             | 1732.0     | 1551.0     | 1189.0     |                         |
| 19      | 112787.0          | 2     | 20          | 69.5             | 1038.0     | 1224.0     | -          |                         |

## Bin5 Statistics 18

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 429224.0          | 3     | 10          | 86.4             | 1259.0     | 1918.0     | 1455.0     | 1                       |
| 1       | 670241.0          | 3     | 10          | 92.2             | 1598.0     | 1719.0     | 1895.0     |                         |
| 2       | 912880.0          | 2     | 10          | 80.4             | 1816.0     | 1899.0     | -          |                         |
| 3       | 158603.0          | 1     | 10          | 54.3             | 1335.0     | -          | -          |                         |
| 4       | 400824.0          | 1     | 10          | 53.1             | 1303.0     | -          | -          |                         |
| 5       | 641915.0          | 2     | 10          | 69.4             | 1503.0     | 1546.0     | -          |                         |
| 6       | 883823.0          | 2     | 10          | 69.1             | 1279.0     | 1639.0     | -          |                         |
| 7       | 128373.0          | 3     | 10          | 100.0            | 1375.0     | 1438.0     | 1595.0     |                         |
| 8       | 370379.0          | 2     | 10          | 79.6             | 1239.0     | 1705.0     | -          |                         |
| 9       | 611194.0          | 3     | 10          | 88.4             | 1374.0     | 1579.0     | 1623.0     |                         |
| 10      | 855665.0          | 1     | 10          | 53.3             | 1016.0     | -          | -          |                         |
| 11      | 98897.0           | 1     | 10          | 65.3             | 1709.0     | -          | -          |                         |

## Bin5 Statistics 19

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 292143.0          | 1     | 12          | 55.3             | 1920.0     | -          | -          | 1                       |
| 1       | 499633.0          | 1     | 12          | 58.3             | 1797.0     | -          | -          |                         |
| 2       | 706377.0          | 2     | 12          | 72.3             | 1610.0     | 1039.0     | -          |                         |
| 3       | 58989.0           | 3     | 12          | 84.8             | 1131.0     | 1761.0     | 1721.0     |                         |
| 4       | 266161.0          | 2     | 12          | 82.5             | 1875.0     | 1431.0     | -          |                         |
| 5       | 474469.0          | 1     | 12          | 63.3             | 1095.0     | -          | -          |                         |
| 6       | 680544.0          | 2     | 12          | 80.0             | 1119.0     | 1913.0     | -          |                         |
| 7       | 33519.0           | 3     | 12          | 90.3             | 1660.0     | 1853.0     | 1123.0     |                         |
| 8       | 240319.0          | 3     | 12          | 91.1             | 1539.0     | 1783.0     | 1172.0     |                         |
| 9       | 447400.0          | 3     | 12          | 96.6             | 1525.0     | 1036.0     | 1385.0     |                         |
| 10      | 654516.0          | 2     | 12          | 82.7             | 1710.0     | 1990.0     | -          |                         |
| 11      | 8083.0            | 1     | 12          | 50.7             | 1234.0     | -          | -          |                         |
| 12      | 215435.0          | 2     | 12          | 78.4             | 1047.0     | 1109.0     | -          |                         |
| 13      | 421325.0          | 3     | 12          | 99.5             | 1299.0     | 1965.0     | 1869.0     |                         |

## Bin5 Statistics 20

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 733725.0          | 3     | 10          | 88.6             | 1501.0     | 1067.0     | 1927.0     | 1                       |
| 1       | 977882.0          | 1     | 10          | 57.4             | 1723.0     | -          | -          |                         |
| 2       | 221197.0          | 3     | 10          | 96.6             | 1086.0     | 1658.0     | 1324.0     |                         |
| 3       | 462915.0          | 2     | 10          | 69.7             | 1751.0     | 1945.0     | -          |                         |
| 4       | 705071.0          | 2     | 10          | 77.9             | 1642.0     | 1317.0     | -          |                         |
| 5       | 947923.0          | 1     | 10          | 62.0             | 1866.0     | -          | -          |                         |
| 6       | 191373.0          | 3     | 10          | 88.4             | 1997.0     | 1077.0     | 1366.0     |                         |
| 7       | 432561.0          | 3     | 10          | 97.3             | 1790.0     | 1896.0     | 1367.0     |                         |
| 8       | 674004.0          | 3     | 10          | 96.2             | 1391.0     | 1787.0     | 1672.0     |                         |
| 9       | 915842.0          | 3     | 10          | 95.4             | 1020.0     | 1892.0     | 1414.0     |                         |
| 10      | 162176.0          | 1     | 10          | 54.8             | 1084.0     | -          | -          |                         |
| 11      | 403553.0          | 2     | 10          | 80.4             | 1850.0     | 1436.0     | -          |                         |

## Bin5 Statistics 21

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 483470.0          | 2     | 15          | 74.7             | 1619.0     | 1611.0     | -          | 1                       |
| 1       | 666072.0          | 1     | 15          | 57.1             | 1560.0     | -          | -          |                         |
| 2       | 98810.0           | 3     | 15          | 91.9             | 1392.0     | 1475.0     | 1276.0     |                         |
| 3       | 279914.0          | 2     | 15          | 83.1             | 1809.0     | 1772.0     | -          |                         |
| 4       | 462536.0          | 1     | 15          | 50.7             | 1003.0     | -          | -          |                         |
| 5       | 642324.0          | 2     | 15          | 79.2             | 1574.0     | 1600.0     | -          |                         |
| 6       | 76831.0           | 1     | 15          | 58.7             | 1186.0     | -          | -          |                         |
| 7       | 257785.0          | 2     | 15          | 71.0             | 1521.0     | 1567.0     | -          |                         |
| 8       | 438554.0          | 2     | 15          | 79.0             | 1777.0     | 1960.0     | -          |                         |
| 9       | 620397.0          | 2     | 15          | 68.5             | 1284.0     | 1428.0     | -          |                         |
| 10      | 54310.0           | 2     | 15          | 73.5             | 1904.0     | 1352.0     | -          |                         |
| 11      | 235506.0          | 2     | 15          | 70.5             | 1864.0     | 1115.0     | -          |                         |
| 12      | 417036.0          | 2     | 15          | 76.6             | 1045.0     | 1300.0     | -          |                         |
| 13      | 597974.0          | 2     | 15          | 81.2             | 1160.0     | 1675.0     | -          |                         |
| 14      | 32086.0           | 1     | 15          | 61.8             | 1277.0     | -          | -          |                         |
| 15      | 212751.0          | 3     | 15          | 94.9             | 1450.0     | 1206.0     | 1860.0     |                         |

## Bin5 Statistics 22

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 526149.0          | 2     | 9           | 78.5             | 1653.0     | 1698.0     | -          | 1                       |
| 1       | 767135.0          | 3     | 9           | 89.8             | 1174.0     | 1962.0     | 1167.0     |                         |
| 2       | 12955.0           | 1     | 9           | 59.4             | 1982.0     | -          | -          |                         |
| 3       | 254612.0          | 2     | 9           | 79.6             | 1633.0     | 1890.0     | -          |                         |
| 4       | 496588.0          | 2     | 9           | 76.0             | 1112.0     | 1811.0     | -          |                         |
| 5       | 739728.0          | 1     | 9           | 53.6             | 1144.0     | -          | -          |                         |
| 6       | 980872.0          | 2     | 9           | 80.9             | 1220.0     | 1053.0     | -          |                         |
| 7       | 225249.0          | 1     | 9           | 61.6             | 1724.0     | -          | -          |                         |
| 8       | 467279.0          | 1     | 9           | 53.4             | 1901.0     | -          | -          |                         |
| 9       | 709720.0          | 1     | 9           | 59.9             | 1379.0     | -          | -          |                         |
| 10      | 951847.0          | 1     | 9           | 60.4             | 1453.0     | -          | -          |                         |
| 11      | 194839.0          | 3     | 9           | 91.4             | 1768.0     | 1726.0     | 1227.0     |                         |

## Bin5 Statistics 23

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 261858.0          | 2     | 20          | 77.0             | 1191.0     | 1363.0     | -          | 1                       |
| 1       | 407646.0          | 1     | 20          | 58.1             | 1248.0     | -          | -          |                         |
| 2       | 552319.0          | 1     | 20          | 62.1             | 1836.0     | -          | -          |                         |
| 3       | 99107.0           | 2     | 20          | 76.9             | 1334.0     | 1236.0     | -          |                         |
| 4       | 243514.0          | 2     | 20          | 80.0             | 1914.0     | 1852.0     | -          |                         |
| 5       | 389464.0          | 1     | 20          | 52.0             | 1701.0     | -          | -          |                         |
| 6       | 531093.0          | 3     | 20          | 88.6             | 1693.0     | 1995.0     | 1905.0     |                         |
| 7       | 81159.0           | 2     | 20          | 72.9             | 1922.0     | 1387.0     | -          |                         |
| 8       | 225245.0          | 3     | 20          | 98.5             | 1839.0     | 1746.0     | 1389.0     |                         |
| 9       | 371906.0          | 1     | 20          | 57.9             | 1193.0     | -          | -          |                         |
| 10      | 514197.0          | 3     | 20          | 95.9             | 1659.0     | 1870.0     | 1066.0     |                         |
| 11      | 63561.0           | 1     | 20          | 53.5             | 1162.0     | -          | -          |                         |
| 12      | 207510.0          | 3     | 20          | 92.0             | 1745.0     | 1654.0     | 1458.0     |                         |
| 13      | 353638.0          | 1     | 20          | 57.3             | 1834.0     | -          | -          |                         |
| 14      | 497515.0          | 2     | 20          | 70.5             | 1684.0     | 1586.0     | -          |                         |
| 15      | 45553.0           | 2     | 20          | 70.0             | 1042.0     | 1664.0     | -          |                         |
| 16      | 189821.0          | 3     | 20          | 84.0             | 1765.0     | 1630.0     | 1176.0     |                         |
| 17      | 335330.0          | 2     | 20          | 76.1             | 1557.0     | 1057.0     | -          |                         |
| 18      | 478825.0          | 3     | 20          | 93.2             | 1985.0     | 1018.0     | 1340.0     |                         |
| 19      | 27594.0           | 3     | 20          | 96.8             | 1760.0     | 1614.0     | 1817.0     |                         |

## Bin5 Statistics 24

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 247117.0                 | 1            | 12                 | 50.1                    | 1841.0            | -                 | -                 | 1                              |
| 1              | 453362.0                 | 3            | 12                 | 93.5                    | 1590.0            | 1081.0            | 1413.0            |                                |
| 2              | 660875.0                 | 2            | 12                 | 68.8                    | 1707.0            | 1577.0            | -                 |                                |
| 3              | 14140.0                  | 1            | 12                 | 56.3                    | 1056.0            | -                 | -                 |                                |
| 4              | 220734.0                 | 3            | 12                 | 86.0                    | 1953.0            | 1108.0            | 1987.0            |                                |
| 5              | 428367.0                 | 2            | 12                 | 75.2                    | 1572.0            | 1536.0            | -                 |                                |
| 6              | 636681.0                 | 1            | 12                 | 54.4                    | 1517.0            | -                 | -                 |                                |
| 7              | 843157.0                 | 2            | 12                 | 71.1                    | 1329.0            | 1243.0            | -                 |                                |
| 8              | 195585.0                 | 2            | 12                 | 76.2                    | 1940.0            | 1770.0            | -                 |                                |
| 9              | 403231.0                 | 2            | 12                 | 80.2                    | 1098.0            | 1209.0            | -                 |                                |
| 10             | 610202.0                 | 2            | 12                 | 79.7                    | 1588.0            | 1214.0            | -                 |                                |
| 11             | 815229.0                 | 3            | 12                 | 90.9                    | 1615.0            | 1862.0            | 1601.0            |                                |
| 12             | 170267.0                 | 2            | 12                 | 68.7                    | 1377.0            | 1441.0            | -                 |                                |
| 13             | 377306.0                 | 2            | 12                 | 67.4                    | 1872.0            | 1313.0            | -                 |                                |

## Bin5 Statistics 25

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 628071.0          | 3     | 11          | 94.0             | 1643.0     | 1748.0     | 1941.0     | 1                       |
| 1       | 853391.0          | 2     | 11          | 70.8             | 1177.0     | 1201.0     | -          |                         |
| 2       | 156223.0          | 1     | 11          | 56.3             | 1006.0     | -          | -          |                         |
| 3       | 378734.0          | 3     | 11          | 96.7             | 1230.0     | 1163.0     | 1332.0     |                         |
| 4       | 601331.0          | 3     | 11          | 90.6             | 1217.0     | 1582.0     | 1498.0     |                         |
| 5       | 825462.0          | 2     | 11          | 74.5             | 1569.0     | 1281.0     | -          |                         |
| 6       | 128265.0          | 3     | 11          | 92.6             | 1065.0     | 1669.0     | 1222.0     |                         |
| 7       | 351161.0          | 3     | 11          | 89.0             | 1493.0     | 1135.0     | 1380.0     |                         |
| 8       | 573425.0          | 3     | 11          | 96.5             | 1607.0     | 1822.0     | 1602.0     |                         |
| 9       | 798431.0          | 2     | 11          | 70.5             | 1141.0     | 1178.0     | -          |                         |
| 10      | 100737.0          | 3     | 11          | 94.0             | 1009.0     | 1629.0     | 1956.0     |                         |
| 11      | 324661.0          | 1     | 11          | 55.8             | 1290.0     | -          | -          |                         |
| 12      | 546278.0          | 3     | 11          | 87.7             | 1435.0     | 1963.0     | 1164.0     |                         |

## Bin5 Statistics 26

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 1253842.0         | 2     | 5           | 68.6             | 1306.0     | 1161.0     | -          | 1                       |
| 1       | 119486.0          | 2     | 5           | 83.1             | 1420.0     | 1315.0     | -          |                         |
| 2       | 482958.0          | 1     | 5           | 60.9             | 1687.0     | -          | -          |                         |
| 3       | 845641.0          | 2     | 5           | 77.7             | 1776.0     | 1158.0     | -          |                         |
| 4       | 1208428.0         | 2     | 5           | 77.4             | 1793.0     | 1510.0     | -          |                         |
| 5       | 74748.0           | 2     | 5           | 66.8             | 1576.0     | 1323.0     | -          |                         |
| 6       | 438300.0          | 1     | 5           | 63.7             | 1333.0     | -          | -          |                         |
| 7       | 800152.0          | 3     | 5           | 91.2             | 1409.0     | 1681.0     | 1275.0     |                         |



## Bin5 Statistics 27

| <b>Trial #</b> | <b>Burst Offset (μS)</b> | <b>Pulse</b> | <b>Chirp (MHz)</b> | <b>Pulse Width (μS)</b> | <b>PRI-1 (μS)</b> | <b>PRI-2 (μS)</b> | <b>PRI-3 (μS)</b> | <b>Detection (1:yes; 0:no)</b> |
|----------------|--------------------------|--------------|--------------------|-------------------------|-------------------|-------------------|-------------------|--------------------------------|
| 0              | 545865.0                 | 3            | 16                 | 83.6                    | 1632.0            | 1195.0            | 1000.0            | 1                              |
| 1              | 14067.0                  | 3            | 16                 | 89.4                    | 1173.0            | 1627.0            | 1656.0            |                                |
| 2              | 184953.0                 | 1            | 16                 | 55.8                    | 1532.0            | -                 | -                 |                                |
| 3              | 353759.0                 | 3            | 16                 | 90.9                    | 1981.0            | 1554.0            | 1998.0            |                                |
| 4              | 526388.0                 | 1            | 16                 | 54.7                    | 1825.0            | -                 | -                 |                                |
| 5              | 694806.0                 | 3            | 16                 | 97.7                    | 1734.0            | 1202.0            | 1250.0            |                                |
| 6              | 163568.0                 | 2            | 16                 | 67.5                    | 1571.0            | 1434.0            | -                 |                                |
| 7              | 333410.0                 | 3            | 16                 | 96.7                    | 1589.0            | 1469.0            | 1268.0            |                                |
| 8              | 504006.0                 | 2            | 16                 | 68.3                    | 1750.0            | 1954.0            | -                 |                                |
| 9              | 675297.0                 | 2            | 16                 | 78.3                    | 1591.0            | 1082.0            | -                 |                                |
| 10             | 142890.0                 | 1            | 16                 | 55.0                    | 1427.0            | -                 | -                 |                                |
| 11             | 312479.0                 | 3            | 16                 | 84.9                    | 1129.0            | 1936.0            | 1199.0            |                                |
| 12             | 482953.0                 | 2            | 16                 | 74.6                    | 1959.0            | 1856.0            | -                 |                                |
| 13             | 655022.0                 | 1            | 16                 | 63.3                    | 1885.0            | -                 | -                 |                                |
| 14             | 121457.0                 | 3            | 16                 | 99.8                    | 1035.0            | 1515.0            | 1120.0            |                                |
| 15             | 292606.0                 | 1            | 16                 | 63.6                    | 1647.0            | -                 | -                 |                                |
| 16             | 461322.0                 | 3            | 16                 | 87.3                    | 1931.0            | 1051.0            | 1831.0            |                                |

## Bin5 Statistics 28

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 565136.0          | 3     | 19          | 85.6             | 1946.0     | 1078.0     | 1015.0     | 1                       |
| 1       | 89970.0           | 2     | 19          | 68.6             | 1029.0     | 1780.0     | -          |                         |
| 2       | 243121.0          | 1     | 19          | 54.2             | 1111.0     | -          | -          |                         |
| 3       | 396034.0          | 1     | 19          | 61.2             | 1104.0     | -          | -          |                         |
| 4       | 546225.0          | 3     | 19          | 97.1             | 1157.0     | 1969.0     | 1100.0     |                         |
| 5       | 70998.0           | 3     | 19          | 98.3             | 1142.0     | 1699.0     | 1622.0     |                         |
| 6       | 224093.0          | 1     | 19          | 62.4             | 1655.0     | -          | -          |                         |
| 7       | 376127.0          | 2     | 19          | 80.2             | 1126.0     | 1769.0     | -          |                         |
| 8       | 527806.0          | 3     | 19          | 87.5             | 1216.0     | 1448.0     | 1179.0     |                         |
| 9       | 52247.0           | 3     | 19          | 85.8             | 1847.0     | 1348.0     | 1472.0     |                         |
| 10      | 204582.0          | 3     | 19          | 88.1             | 1023.0     | 1124.0     | 1631.0     |                         |
| 11      | 357941.0          | 1     | 19          | 65.3             | 1848.0     | -          | -          |                         |
| 12      | 510977.0          | 1     | 19          | 52.5             | 1470.0     | -          | -          |                         |
| 13      | 33698.0           | 1     | 19          | 52.3             | 1312.0     | -          | -          |                         |
| 14      | 186023.0          | 2     | 19          | 74.1             | 1915.0     | 1200.0     | -          |                         |
| 15      | 339327.0          | 1     | 19          | 54.9             | 1479.0     | -          | -          |                         |
| 16      | 491053.0          | 2     | 19          | 76.2             | 1376.0     | 1502.0     | -          |                         |
| 17      | 14858.0           | 1     | 19          | 60.4             | 1758.0     | -          | -          |                         |
| 18      | 167387.0          | 2     | 19          | 81.5             | 1491.0     | 1103.0     | -          |                         |

## Bin5 Statistics 29

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 507709.0          | 1     | 10          | 50.5             | 1857.0     | -          | -          | 1                       |
| 1       | 750249.0          | 1     | 10          | 55.7             | 1246.0     | -          | -          |                         |
| 2       | 989003.0          | 3     | 10          | 85.8             | 1774.0     | 1002.0     | 1967.0     |                         |
| 3       | 235634.0          | 2     | 10          | 76.9             | 1125.0     | 1474.0     | -          |                         |
| 4       | 477675.0          | 2     | 10          | 75.1             | 1254.0     | 1052.0     | -          |                         |
| 5       | 718312.0          | 3     | 10          | 92.3             | 1180.0     | 1486.0     | 1492.0     |                         |
| 6       | 960895.0          | 2     | 10          | 78.1             | 1301.0     | 1757.0     | -          |                         |
| 7       | 205370.0          | 3     | 10          | 92.2             | 1898.0     | 1252.0     | 1713.0     |                         |
| 8       | 446940.0          | 3     | 10          | 89.0             | 1260.0     | 1706.0     | 1411.0     |                         |
| 9       | 689225.0          | 2     | 10          | 70.9             | 1578.0     | 1620.0     | -          |                         |
| 10      | 932305.0          | 1     | 10          | 63.1             | 1782.0     | -          | -          |                         |
| 11      | 176231.0          | 1     | 10          | 55.3             | 1522.0     | -          | -          |                         |

## Bin5 Statistics 30

| Trial # | Burst Offset (μS) | Pulse | Chirp (MHz) | Pulse Width (μS) | PRI-1 (μS) | PRI-2 (μS) | PRI-3 (μS) | Detection (1:yes; 0:no) |
|---------|-------------------|-------|-------------|------------------|------------|------------|------------|-------------------------|
| 0       | 277485.0          | 3     | 17          | 83.4             | 1454.0     | 1205.0     | 1801.0     | 1                       |
| 1       | 437880.0          | 3     | 17          | 97.3             | 1319.0     | 1826.0     | 1635.0     |                         |
| 2       | 598445.0          | 3     | 17          | 90.4             | 1079.0     | 1986.0     | 1674.0     |                         |
| 3       | 97088.0           | 3     | 17          | 91.8             | 1563.0     | 1151.0     | 1802.0     |                         |
| 4       | 257251.0          | 3     | 17          | 98.2             | 1876.0     | 1977.0     | 1766.0     |                         |
| 5       | 419893.0          | 1     | 17          | 59.5             | 1952.0     | -          | -          |                         |
| 6       | 580724.0          | 2     | 17          | 80.0             | 1253.0     | 1137.0     | -          |                         |
| 7       | 77366.0           | 3     | 17          | 86.5             | 1054.0     | 1128.0     | 1828.0     |                         |
| 8       | 238032.0          | 3     | 17          | 91.1             | 1105.0     | 1599.0     | 1442.0     |                         |
| 9       | 398605.0          | 3     | 17          | 93.5             | 1867.0     | 1373.0     | 1087.0     |                         |
| 10      | 562025.0          | 1     | 17          | 60.7             | 1033.0     | -          | -          |                         |
| 11      | 57684.0           | 2     | 17          | 67.2             | 1288.0     | 1405.0     | -          |                         |
| 12      | 219083.0          | 1     | 17          | 61.8             | 1585.0     | -          | -          |                         |
| 13      | 379234.0          | 2     | 17          | 79.4             | 1933.0     | 1667.0     | -          |                         |
| 14      | 540896.0          | 2     | 17          | 81.4             | 1096.0     | 1464.0     | -          |                         |
| 15      | 37916.0           | 1     | 17          | 65.7             | 1496.0     | -          | -          |                         |
| 16      | 198794.0          | 2     | 17          | 76.0             | 1733.0     | 1255.0     | -          |                         |
| 17      | 359754.0          | 2     | 17          | 81.0             | 1326.0     | 1668.0     | -          |                         |

**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                       | 5364             | 5717 | 5334 | 5705 | 5549 |
|                       |          |              |                  |          |                         | 5312             | 5260 | 5635 | 5503 | 5570 |
|                       |          |              |                  |          |                         | 5347             | 5508 | 5292 | 5447 | 5588 |
|                       |          |              |                  |          |                         | 5621             | 5638 | 5296 | 5482 | 5455 |
|                       |          |              |                  |          |                         | 5636             | 5593 | 5434 | 5306 | 5411 |
|                       |          |              |                  |          |                         | 5556             | 5378 | 5478 | 5432 | 5341 |
|                       |          |              |                  |          |                         | 5438             | 5294 | 5496 | 5285 | 5327 |
|                       |          |              |                  |          |                         | 5293             | 5502 | 5277 | 5403 | 5330 |
|                       |          |              |                  |          |                         | 5612             | 5720 | 5544 | 5615 | 5561 |
|                       |          |              |                  |          |                         | 5676             | 5704 | 5366 | 5290 | 5387 |
|                       |          |              |                  |          |                         | 5278             | 5723 | 5383 | 5368 | 5263 |
|                       |          |              |                  |          |                         | 5630             | 5375 | 5718 | 5281 | 5604 |
|                       |          |              |                  |          |                         | 5453             | 5509 | 5479 | 5400 | 5262 |
|                       |          |              |                  |          |                         | 5354             | 5467 | 5545 | 5466 | 5611 |
|                       |          |              |                  |          |                         | 5715             | 5402 | 5568 | 5641 | 5396 |
|                       |          |              |                  |          |                         | 5567             | 5557 | 5674 | 5359 | 5392 |
|                       |          |              |                  |          |                         | 5313             | 5537 | 5258 | 5475 | 5272 |
|                       |          |              |                  |          |                         | 5388             | 5474 | 5555 | 5410 | 5355 |
|                       |          |              |                  |          |                         | 5517             | 5382 | 5386 | 5664 | 5697 |
|                       |          |              |                  |          |                         | 5721             | 5268 | 5489 | 5706 | 5525 |
| (number of hits: 30 ) |          |              |                  |          |                         |                  |      |      |      |      |
| 2                     | 5570.0   | 9            | 1.0              | 333      | 1                       | 5619             | 5578 | 5270 | 5294 | 5354 |
|                       |          |              |                  |          |                         | 5660             | 5710 | 5666 | 5399 | 5656 |
|                       |          |              |                  |          |                         | 5297             | 5333 | 5642 | 5609 | 5709 |
|                       |          |              |                  |          |                         | 5668             | 5527 | 5647 | 5547 | 5284 |
|                       |          |              |                  |          |                         | 5375             | 5395 | 5384 | 5444 | 5705 |
|                       |          |              |                  |          |                         | 5584             | 5536 | 5480 | 5658 | 5453 |
|                       |          |              |                  |          |                         | 5403             | 5576 | 5588 | 5641 | 5465 |
|                       |          |              |                  |          |                         | 5674             | 5580 | 5623 | 5559 | 5627 |
|                       |          |              |                  |          |                         | 5553             | 5704 | 5673 | 5633 | 5724 |
|                       |          |              |                  |          |                         | 5373             | 5348 | 5331 | 5513 | 5637 |
|                       |          |              |                  |          |                         | 5544             | 5314 | 5585 | 5697 | 5257 |
|                       |          |              |                  |          |                         | 5672             | 5471 | 5423 | 5424 | 5638 |
|                       |          |              |                  |          |                         | 5644             | 5345 | 5569 | 5655 | 5413 |
|                       |          |              |                  |          |                         | 5271             | 5415 | 5550 | 5371 | 5335 |
|                       |          |              |                  |          |                         | 5382             | 5416 | 5533 | 5706 | 5558 |
|                       |          |              |                  |          |                         | 5535             | 5692 | 5256 | 5436 | 5716 |
|                       |          |              |                  |          |                         | 5385             | 5669 | 5458 | 5349 | 5456 |
|                       |          |              |                  |          |                         | 5336             | 5634 | 5703 | 5352 | 5280 |
|                       |          |              |                  |          |                         | 5506             | 5313 | 5690 | 5326 | 5631 |

|   |        |   |     |     |   | 5628                  | 5546 | 5289 | 5490 | 5590 |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | (number of hits: 35)  |      |      |      |      |
| 3 | 5570.0 | 9 | 1.0 | 333 | 1 | 5302                  | 5342 | 5681 | 5455 | 5611 |
|   |        |   |     |     |   | 5493                  | 5682 | 5310 | 5257 | 5606 |
|   |        |   |     |     |   | 5587                  | 5561 | 5374 | 5362 | 5630 |
|   |        |   |     |     |   | 5322                  | 5320 | 5502 | 5475 | 5364 |
|   |        |   |     |     |   | 5555                  | 5353 | 5316 | 5387 | 5357 |
|   |        |   |     |     |   | 5332                  | 5654 | 5312 | 5262 | 5409 |
|   |        |   |     |     |   | 5522                  | 5547 | 5410 | 5618 | 5253 |
|   |        |   |     |     |   | 5311                  | 5683 | 5556 | 5470 | 5258 |
|   |        |   |     |     |   | 5537                  | 5398 | 5710 | 5491 | 5469 |
|   |        |   |     |     |   | 5670                  | 5465 | 5704 | 5456 | 5406 |
|   |        |   |     |     |   | 5384                  | 5400 | 5513 | 5720 | 5365 |
|   |        |   |     |     |   | 5296                  | 5276 | 5641 | 5445 | 5626 |
|   |        |   |     |     |   | 5564                  | 5620 | 5395 | 5334 | 5290 |
|   |        |   |     |     |   | 5401                  | 5578 | 5359 | 5569 | 5586 |
|   |        |   |     |     |   | 5282                  | 5649 | 5407 | 5368 | 5647 |
|   |        |   |     |     |   | 5643                  | 5509 | 5592 | 5675 | 5678 |
|   |        |   |     |     |   | 5581                  | 5275 | 5381 | 5512 | 5600 |
|   |        |   |     |     |   | 5304                  | 5382 | 5389 | 5458 | 5666 |
|   |        |   |     |     |   | 5419                  | 5642 | 5350 | 5526 | 5519 |
|   |        |   |     |     |   | 5709                  | 5692 | 5418 | 5653 | 5354 |
|   |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 4 | 5570.0 | 9 | 1.0 | 333 | 1 | 5557                  | 5581 | 5617 | 5616 | 5356 |
|   |        |   |     |     |   | 5535                  | 5704 | 5385 | 5420 | 5338 |
|   |        |   |     |     |   | 5518                  | 5350 | 5415 | 5651 | 5313 |
|   |        |   |     |     |   | 5447                  | 5605 | 5520 | 5653 | 5563 |
|   |        |   |     |     |   | 5519                  | 5257 | 5476 | 5330 | 5598 |
|   |        |   |     |     |   | 5506                  | 5515 | 5366 | 5443 | 5661 |
|   |        |   |     |     |   | 5533                  | 5367 | 5358 | 5502 | 5606 |
|   |        |   |     |     |   | 5347                  | 5647 | 5266 | 5411 | 5451 |
|   |        |   |     |     |   | 5334                  | 5332 | 5709 | 5667 | 5394 |
|   |        |   |     |     |   | 5684                  | 5539 | 5464 | 5437 | 5665 |
|   |        |   |     |     |   | 5389                  | 5421 | 5416 | 5574 | 5488 |
|   |        |   |     |     |   | 5536                  | 5580 | 5279 | 5439 | 5324 |
|   |        |   |     |     |   | 5499                  | 5710 | 5708 | 5404 | 5305 |
|   |        |   |     |     |   | 5295                  | 5525 | 5589 | 5359 | 5452 |
|   |        |   |     |     |   | 5576                  | 5272 | 5492 | 5388 | 5551 |
|   |        |   |     |     |   | 5547                  | 5323 | 5724 | 5256 | 5721 |
|   |        |   |     |     |   | 5293                  | 5379 | 5584 | 5361 | 5508 |
|   |        |   |     |     |   | 5479                  | 5693 | 5341 | 5655 | 5715 |
|   |        |   |     |     |   | 5629                  | 5494 | 5401 | 5637 | 5423 |
|   |        |   |     |     |   | 5280                  | 5316 | 5662 | 5281 | 5649 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 5 | 5570.0 | 9 | 1.0 | 333 | 1 | 5337                  | 5345 | 5553 | 5302 | 5673 |
|   |        |   |     |     |   | 5577                  | 5629 | 5460 | 5583 | 5642 |

|   |        |   |     |     |   |                      |      |      |      |      |
|---|--------|---|-----|-----|---|----------------------|------|------|------|------|
|   |        |   |     |     |   | 5352                 | 5614 | 5456 | 5655 | 5672 |
|   |        |   |     |     |   | 5401                 | 5574 | 5611 | 5565 | 5370 |
|   |        |   |     |     |   | 5571                 | 5588 | 5295 | 5468 | 5303 |
|   |        |   |     |     |   | 5486                 | 5358 | 5718 | 5470 | 5380 |
|   |        |   |     |     |   | 5703                 | 5422 | 5324 | 5573 | 5654 |
|   |        |   |     |     |   | 5426                 | 5263 | 5634 | 5661 | 5462 |
|   |        |   |     |     |   | 5648                 | 5498 | 5270 | 5474 | 5664 |
|   |        |   |     |     |   | 5701                 | 5622 | 5425 | 5490 | 5552 |
|   |        |   |     |     |   | 5265                 | 5597 | 5467 | 5300 | 5432 |
|   |        |   |     |     |   | 5724                 | 5437 | 5469 | 5258 | 5715 |
|   |        |   |     |     |   | 5453                 | 5277 | 5637 | 5705 | 5348 |
|   |        |   |     |     |   | 5593                 | 5262 | 5561 | 5251 | 5255 |
|   |        |   |     |     |   | 5275                 | 5341 | 5364 | 5510 | 5516 |
|   |        |   |     |     |   | 5346                 | 5712 | 5504 | 5549 | 5356 |
|   |        |   |     |     |   | 5527                 | 5376 | 5264 | 5447 | 5442 |
|   |        |   |     |     |   | 5454                 | 5658 | 5428 | 5544 | 5374 |
|   |        |   |     |     |   | 5343                 | 5663 | 5478 | 5689 | 5384 |
|   |        |   |     |     |   | 5372                 | 5707 | 5274 | 5292 | 5466 |
|   |        |   |     |     |   | (number of hits: 27) |      |      |      |      |
| 6 | 5570.0 | 9 | 1.0 | 333 | 1 | 5592                 | 5584 | 5489 | 5463 | 5418 |
|   |        |   |     |     |   | 5619                 | 5651 | 5535 | 5271 | 5374 |
|   |        |   |     |     |   | 5283                 | 5500 | 5594 | 5375 | 5693 |
|   |        |   |     |     |   | 5604                 | 5714 | 5610 | 5562 | 5482 |
|   |        |   |     |     |   | 5279                 | 5711 | 5557 | 5276 | 5277 |
|   |        |   |     |     |   | 5307                 | 5446 | 5574 | 5414 | 5270 |
|   |        |   |     |     |   | 5408                 | 5281 | 5691 | 5428 | 5624 |
|   |        |   |     |     |   | 5625                 | 5354 | 5430 | 5339 | 5376 |
|   |        |   |     |     |   | 5487                 | 5581 | 5683 | 5617 | 5630 |
|   |        |   |     |     |   | 5644                 | 5705 | 5483 | 5342 | 5519 |
|   |        |   |     |     |   | 5298                 | 5518 | 5563 | 5598 | 5437 |
|   |        |   |     |     |   | 5391                 | 5659 | 5455 | 5686 | 5582 |
|   |        |   |     |     |   | 5697                 | 5469 | 5628 | 5294 | 5319 |
|   |        |   |     |     |   | 5597                 | 5631 | 5521 | 5436 | 5423 |
|   |        |   |     |     |   | 5278                 | 5665 | 5340 | 5485 | 5466 |
|   |        |   |     |     |   | 5438                 | 5315 | 5275 | 5614 | 5330 |
|   |        |   |     |     |   | 5520                 | 5590 | 5596 | 5264 | 5289 |
|   |        |   |     |     |   | 5405                 | 5646 | 5526 | 5346 | 5676 |
|   |        |   |     |     |   | 5267                 | 5539 | 5349 | 5600 | 5258 |
|   |        |   |     |     |   | 5671                 | 5533 | 5345 | 5587 | 5523 |
|   |        |   |     |     |   | (number of hits: 37) |      |      |      |      |
| 7 | 5570.0 | 9 | 1.0 | 333 | 1 | 5372                 | 5348 | 5425 | 5624 | 5260 |
|   |        |   |     |     |   | 5283                 | 5576 | 5610 | 5434 | 5581 |
|   |        |   |     |     |   | 5689                 | 5289 | 5635 | 5570 | 5714 |
|   |        |   |     |     |   | 5577                 | 5256 | 5342 | 5558 | 5279 |
|   |        |   |     |     |   | 5490                 | 5652 | 5549 | 5724 | 5640 |

|   |        |   |     |     |   |                       |      |      |      |      |
|---|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|   |        |   |     |     |   | 5634                  | 5552 | 5300 | 5448 | 5409 |
|   |        |   |     |     |   | 5297                  | 5713 | 5431 | 5580 | 5444 |
|   |        |   |     |     |   | 5667                  | 5445 | 5701 | 5492 | 5290 |
|   |        |   |     |     |   | 5326                  | 5286 | 5621 | 5382 | 5280 |
|   |        |   |     |     |   | 5559                  | 5313 | 5541 | 5499 | 5704 |
|   |        |   |     |     |   | 5395                  | 5474 | 5569 | 5274 | 5421 |
|   |        |   |     |     |   | 5698                  | 5625 | 5345 | 5374 | 5657 |
|   |        |   |     |     |   | 5711                  | 5519 | 5642 | 5301 | 5454 |
|   |        |   |     |     |   | 5715                  | 5520 | 5536 | 5366 | 5413 |
|   |        |   |     |     |   | 5414                  | 5378 | 5417 | 5316 | 5428 |
|   |        |   |     |     |   | 5357                  | 5586 | 5484 | 5296 | 5430 |
|   |        |   |     |     |   | 5627                  | 5684 | 5653 | 5273 | 5606 |
|   |        |   |     |     |   | 5465                  | 5363 | 5491 | 5352 | 5355 |
|   |        |   |     |     |   | 5518                  | 5631 | 5688 | 5588 | 5329 |
|   |        |   |     |     |   | 5485                  | 5502 | 5590 | 5390 | 5531 |
|   |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 8 | 5570.0 | 9 | 1.0 | 333 | 1 | 5530                  | 5587 | 5361 | 5310 | 5480 |
|   |        |   |     |     |   | 5325                  | 5598 | 5685 | 5500 | 5410 |
|   |        |   |     |     |   | 5523                  | 5553 | 5676 | 5290 | 5260 |
|   |        |   |     |     |   | 5568                  | 5383 | 5445 | 5603 | 5471 |
|   |        |   |     |     |   | 5498                  | 5514 | 5690 | 5638 | 5697 |
|   |        |   |     |     |   | 5431                  | 5583 | 5280 | 5404 | 5482 |
|   |        |   |     |     |   | 5451                  | 5661 | 5670 | 5646 | 5354 |
|   |        |   |     |     |   | 5642                  | 5331 | 5633 | 5594 | 5267 |
|   |        |   |     |     |   | 5301                  | 5640 | 5369 | 5559 | 5622 |
|   |        |   |     |     |   | 5277                  | 5391 | 5507 | 5396 | 5502 |
|   |        |   |     |     |   | 5552                  | 5494 | 5271 | 5650 | 5620 |
|   |        |   |     |     |   | 5363                  | 5719 | 5545 | 5338 | 5299 |
|   |        |   |     |     |   | 5564                  | 5628 | 5268 | 5684 | 5608 |
|   |        |   |     |     |   | 5283                  | 5343 | 5584 | 5572 | 5673 |
|   |        |   |     |     |   | 5683                  | 5517 | 5492 | 5381 | 5266 |
|   |        |   |     |     |   | 5292                  | 5387 | 5326 | 5706 | 5627 |
|   |        |   |     |     |   | 5682                  | 5262 | 5367 | 5276 | 5716 |
|   |        |   |     |     |   | 5270                  | 5511 | 5428 | 5458 | 5359 |
|   |        |   |     |     |   | 5351                  | 5600 | 5285 | 5394 | 5571 |
|   |        |   |     |     |   | 5400                  | 5265 | 5327 | 5643 | 5313 |
|   |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 9 | 5570.0 | 9 | 1.0 | 333 | 1 | 5310                  | 5351 | 5297 | 5374 | 5322 |
|   |        |   |     |     |   | 5367                  | 5523 | 5285 | 5663 | 5617 |
|   |        |   |     |     |   | 5454                  | 5342 | 5717 | 5485 | 5281 |
|   |        |   |     |     |   | 5656                  | 5510 | 5548 | 5648 | 5409 |
|   |        |   |     |     |   | 5680                  | 5631 | 5630 | 5670 | 5319 |
|   |        |   |     |     |   | 5435                  | 5483 | 5508 | 5516 | 5493 |
|   |        |   |     |     |   | 5647                  | 5627 | 5386 | 5506 | 5462 |
|   |        |   |     |     |   | 5470                  | 5724 | 5390 | 5420 | 5690 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5576                  | 5452 | 5497 | 5387 | 5274 |
|    |        |   |     |     |   | 5320                  | 5487 | 5479 | 5560 | 5605 |
|    |        |   |     |     |   | 5381                  | 5622 | 5671 | 5445 | 5489 |
|    |        |   |     |     |   | 5526                  | 5253 | 5279 | 5502 | 5397 |
|    |        |   |     |     |   | 5629                  | 5440 | 5678 | 5704 | 5544 |
|    |        |   |     |     |   | 5533                  | 5608 | 5408 | 5478 | 5655 |
|    |        |   |     |     |   | 5481                  | 5590 | 5268 | 5346 | 5673 |
|    |        |   |     |     |   | 5254                  | 5295 | 5258 | 5459 | 5372 |
|    |        |   |     |     |   | 5623                  | 5401 | 5267 | 5706 | 5545 |
|    |        |   |     |     |   | 5488                  | 5650 | 5324 | 5305 | 5373 |
|    |        |   |     |     |   | 5559                  | 5464 | 5660 | 5344 | 5698 |
|    |        |   |     |     |   | 5394                  | 5378 | 5363 | 5321 | 5311 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 10 | 5570.0 | 9 | 1.0 | 333 | 1 | 5565                  | 5590 | 5708 | 5535 | 5542 |
|    |        |   |     |     |   | 5409                  | 5545 | 5360 | 5351 | 5349 |
|    |        |   |     |     |   | 5288                  | 5606 | 5283 | 5583 | 5302 |
|    |        |   |     |     |   | 5269                  | 5637 | 5554 | 5693 | 5380 |
|    |        |   |     |     |   | 5417                  | 5274 | 5572 | 5719 | 5643 |
|    |        |   |     |     |   | 5682                  | 5287 | 5686 | 5612 | 5550 |
|    |        |   |     |     |   | 5632                  | 5536 | 5584 | 5504 | 5280 |
|    |        |   |     |     |   | 5660                  | 5512 | 5340 | 5661 | 5573 |
|    |        |   |     |     |   | 5604                  | 5415 | 5435 | 5530 | 5271 |
|    |        |   |     |     |   | 5627                  | 5467 | 5562 | 5618 | 5658 |
|    |        |   |     |     |   | 5646                  | 5401 | 5527 | 5722 | 5541 |
|    |        |   |     |     |   | 5268                  | 5336 | 5714 | 5372 | 5473 |
|    |        |   |     |     |   | 5526                  | 5539 | 5574 | 5369 | 5650 |
|    |        |   |     |     |   | 5367                  | 5482 | 5547 | 5715 | 5370 |
|    |        |   |     |     |   | 5598                  | 5252 | 5464 | 5484 | 5439 |
|    |        |   |     |     |   | 5622                  | 5305 | 5642 | 5374 | 5341 |
|    |        |   |     |     |   | 5711                  | 5385 | 5404 | 5264 | 5523 |
|    |        |   |     |     |   | 5448                  | 5326 | 5451 | 5270 | 5667 |
|    |        |   |     |     |   | 5356                  | 5621 | 5303 | 5724 | 5470 |
|    |        |   |     |     |   | 5639                  | 5386 | 5361 | 5278 | 5378 |
|    |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 11 | 5570.0 | 9 | 1.0 | 333 | 1 | 5345                  | 5354 | 5644 | 5696 | 5384 |
|    |        |   |     |     |   | 5548                  | 5470 | 5435 | 5514 | 5653 |
|    |        |   |     |     |   | 5694                  | 5492 | 5324 | 5303 | 5323 |
|    |        |   |     |     |   | 5357                  | 5667 | 5657 | 5641 | 5572 |
|    |        |   |     |     |   | 5425                  | 5440 | 5610 | 5711 | 5616 |
|    |        |   |     |     |   | 5473                  | 5414 | 5338 | 5584 | 5674 |
|    |        |   |     |     |   | 5541                  | 5719 | 5432 | 5480 | 5651 |
|    |        |   |     |     |   | 5431                  | 5457 | 5348 | 5615 | 5254 |
|    |        |   |     |     |   | 5715                  | 5373 | 5295 | 5365 | 5556 |
|    |        |   |     |     |   | 5447                  | 5645 | 5579 | 5533 | 5277 |
|    |        |   |     |     |   | 5703                  | 5298 | 5252 | 5566 | 5280 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5330                  | 5636 | 5562 | 5403 | 5444 |
|    |        |   |     |     |   | 5655                  | 5704 | 5519 | 5676 | 5427 |
|    |        |   |     |     |   | 5596                  | 5568 | 5583 | 5450 | 5640 |
|    |        |   |     |     |   | 5304                  | 5421 | 5547 | 5288 | 5598 |
|    |        |   |     |     |   | 5264                  | 5494 | 5484 | 5695 | 5488 |
|    |        |   |     |     |   | 5495                  | 5660 | 5293 | 5527 | 5639 |
|    |        |   |     |     |   | 5718                  | 5351 | 5643 | 5511 | 5462 |
|    |        |   |     |     |   | 5632                  | 5310 | 5394 | 5501 | 5476 |
|    |        |   |     |     |   | 5576                  | 5327 | 5378 | 5333 | 5362 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 12 | 5570.0 | 9 | 1.0 | 333 | 1 | 5503                  | 5593 | 5580 | 5382 | 5604 |
|    |        |   |     |     |   | 5590                  | 5492 | 5510 | 5385 | 5625 |
|    |        |   |     |     |   | 5281                  | 5365 | 5498 | 5344 | 5348 |
|    |        |   |     |     |   | 5319                  | 5285 | 5686 | 5386 | 5336 |
|    |        |   |     |     |   | 5509                  | 5551 | 5325 | 5589 | 5361 |
|    |        |   |     |     |   | 5563                  | 5520 | 5442 | 5618 | 5716 |
|    |        |   |     |     |   | 5411                  | 5459 | 5681 | 5300 | 5315 |
|    |        |   |     |     |   | 5522                  | 5350 | 5501 | 5529 | 5568 |
|    |        |   |     |     |   | 5323                  | 5689 | 5535 | 5362 | 5485 |
|    |        |   |     |     |   | 5427                  | 5253 | 5637 | 5667 | 5628 |
|    |        |   |     |     |   | 5404                  | 5349 | 5341 | 5389 | 5602 |
|    |        |   |     |     |   | 5518                  | 5277 | 5697 | 5415 | 5309 |
|    |        |   |     |     |   | 5394                  | 5464 | 5508 | 5639 | 5391 |
|    |        |   |     |     |   | 5380                  | 5282 | 5532 | 5582 | 5493 |
|    |        |   |     |     |   | 5533                  | 5587 | 5515 | 5574 | 5698 |
|    |        |   |     |     |   | 5483                  | 5614 | 5530 | 5676 | 5265 |
|    |        |   |     |     |   | 5605                  | 5441 | 5360 | 5636 | 5438 |
|    |        |   |     |     |   | 5351                  | 5474 | 5654 | 5500 | 5642 |
|    |        |   |     |     |   | 5321                  | 5579 | 5482 | 5610 | 5684 |
|    |        |   |     |     |   | 5388                  | 5443 | 5547 | 5581 | 5527 |
|    |        |   |     |     |   | number of hits: 44 )  |      |      |      |      |
| 13 | 5570.0 | 9 | 1.0 | 333 | 1 | 5283                  | 5357 | 5516 | 5543 | 5446 |
|    |        |   |     |     |   | 5632                  | 5417 | 5585 | 5268 | 5592 |
|    |        |   |     |     |   | 5459                  | 5545 | 5406 | 5693 | 5365 |
|    |        |   |     |     |   | 5436                  | 5388 | 5256 | 5578 | 5344 |
|    |        |   |     |     |   | 5675                  | 5492 | 5317 | 5562 | 5627 |
|    |        |   |     |     |   | 5512                  | 5723 | 5546 | 5652 | 5380 |
|    |        |   |     |     |   | 5300                  | 5455 | 5674 | 5358 | 5498 |
|    |        |   |     |     |   | 5454                  | 5710 | 5621 | 5654 | 5443 |
|    |        |   |     |     |   | 5504                  | 5678 | 5359 | 5407 | 5336 |
|    |        |   |     |     |   | 5695                  | 5720 | 5685 | 5580 | 5400 |
|    |        |   |     |     |   | 5430                  | 5687 | 5706 | 5544 | 5467 |
|    |        |   |     |     |   | 5419                  | 5289 | 5438 | 5559 | 5506 |
|    |        |   |     |     |   | 5340                  | 5554 | 5329 | 5558 | 5327 |
|    |        |   |     |     |   | 5385                  | 5662 | 5519 | 5590 | 5364 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5550                  | 5657 | 5355 | 5259 | 5673 |
|    |        |   |     |     |   | 5420                  | 5618 | 5697 | 5524 | 5275 |
|    |        |   |     |     |   | 5633                  | 5254 | 5424 | 5534 | 5274 |
|    |        |   |     |     |   | 5465                  | 5315 | 5415 | 5269 | 5488 |
|    |        |   |     |     |   | 5547                  | 5566 | 5616 | 5509 | 5427 |
|    |        |   |     |     |   | 5445                  | 5560 | 5636 | 5347 | 5432 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 14 | 5570.0 | 9 | 1.0 | 333 | 1 | 5538                  | 5596 | 5452 | 5704 | 5666 |
|    |        |   |     |     |   | 5674                  | 5439 | 5660 | 5431 | 5324 |
|    |        |   |     |     |   | 5390                  | 5334 | 5544 | 5413 | 5386 |
|    |        |   |     |     |   | 5524                  | 5573 | 5491 | 5301 | 5295 |
|    |        |   |     |     |   | 5352                  | 5269 | 5530 | 5406 | 5535 |
|    |        |   |     |     |   | 5515                  | 5364 | 5451 | 5650 | 5686 |
|    |        |   |     |     |   | 5422                  | 5664 | 5412 | 5317 | 5607 |
|    |        |   |     |     |   | 5318                  | 5496 | 5326 | 5417 | 5429 |
|    |        |   |     |     |   | 5454                  | 5343 | 5489 | 5565 | 5443 |
|    |        |   |     |     |   | 5356                  | 5721 | 5387 | 5419 | 5656 |
|    |        |   |     |     |   | 5298                  | 5475 | 5283 | 5281 | 5519 |
|    |        |   |     |     |   | 5393                  | 5498 | 5657 | 5713 | 5260 |
|    |        |   |     |     |   | 5470                  | 5724 | 5647 | 5477 | 5531 |
|    |        |   |     |     |   | 5278                  | 5594 | 5597 | 5663 | 5259 |
|    |        |   |     |     |   | 5505                  | 5690 | 5688 | 5526 | 5282 |
|    |        |   |     |     |   | 5719                  | 5638 | 5672 | 5253 | 5478 |
|    |        |   |     |     |   | 5338                  | 5630 | 5450 | 5632 | 5266 |
|    |        |   |     |     |   | 5497                  | 5466 | 5333 | 5366 | 5339 |
|    |        |   |     |     |   | 5434                  | 5591 | 5581 | 5351 | 5250 |
|    |        |   |     |     |   | 5411                  | 5442 | 5264 | 5545 | 5527 |
|    |        |   |     |     |   | (number of hits: 28 ) |      |      |      |      |
| 15 | 5570.0 | 9 | 1.0 | 333 | 1 | 5318                  | 5360 | 5388 | 5390 | 5508 |
|    |        |   |     |     |   | 5338                  | 5364 | 5260 | 5594 | 5628 |
|    |        |   |     |     |   | 5321                  | 5598 | 5585 | 5511 | 5407 |
|    |        |   |     |     |   | 5612                  | 5700 | 5497 | 5724 | 5487 |
|    |        |   |     |     |   | 5263                  | 5435 | 5471 | 5398 | 5306 |
|    |        |   |     |     |   | 5691                  | 5654 | 5279 | 5720 | 5464 |
|    |        |   |     |     |   | 5650                  | 5369 | 5532 | 5284 | 5516 |
|    |        |   |     |     |   | 5635                  | 5417 | 5310 | 5582 | 5368 |
|    |        |   |     |     |   | 5657                  | 5669 | 5503 | 5683 | 5353 |
|    |        |   |     |     |   | 5553                  | 5270 | 5502 | 5714 | 5351 |
|    |        |   |     |     |   | 5362                  | 5634 | 5457 | 5608 | 5711 |
|    |        |   |     |     |   | 5337                  | 5607 | 5452 | 5372 | 5706 |
|    |        |   |     |     |   | 5599                  | 5414 | 5396 | 5576 | 5303 |
|    |        |   |     |     |   | 5574                  | 5616 | 5702 | 5533 | 5534 |
|    |        |   |     |     |   | 5489                  | 5466 | 5428 | 5588 | 5693 |
|    |        |   |     |     |   | 5537                  | 5478 | 5293 | 5402 | 5387 |
|    |        |   |     |     |   | 5716                  | 5449 | 5266 | 5259 | 5377 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5401                  | 5627 | 5645 | 5632 | 5583 |
|    |        |   |     |     |   | 5557                  | 5561 | 5298 | 5320 | 5339 |
|    |        |   |     |     |   | 5597                  | 5518 | 5708 | 5262 | 5543 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 16 | 5570.0 | 9 | 1.0 | 333 | 1 | 5573                  | 5599 | 5324 | 5551 | 5253 |
|    |        |   |     |     |   | 5380                  | 5386 | 5335 | 5660 | 5360 |
|    |        |   |     |     |   | 5630                  | 5484 | 5626 | 5706 | 5428 |
|    |        |   |     |     |   | 5603                  | 5255 | 5600 | 5294 | 5679 |
|    |        |   |     |     |   | 5271                  | 5504 | 5412 | 5487 | 5481 |
|    |        |   |     |     |   | 5669                  | 5640 | 5382 | 5480 | 5279 |
|    |        |   |     |     |   | 5506                  | 5539 | 5326 | 5272 | 5533 |
|    |        |   |     |     |   | 5336                  | 5299 | 5508 | 5581 | 5260 |
|    |        |   |     |     |   | 5282                  | 5496 | 5277 | 5441 | 5448 |
|    |        |   |     |     |   | 5447                  | 5482 | 5250 | 5585 | 5297 |
|    |        |   |     |     |   | 5404                  | 5627 | 5510 | 5633 | 5553 |
|    |        |   |     |     |   | 5319                  | 5534 | 5659 | 5320 | 5406 |
|    |        |   |     |     |   | 5562                  | 5351 | 5677 | 5579 | 5438 |
|    |        |   |     |     |   | 5408                  | 5604 | 5520 | 5342 | 5651 |
|    |        |   |     |     |   | 5569                  | 5366 | 5284 | 5647 | 5500 |
|    |        |   |     |     |   | 5574                  | 5318 | 5289 | 5381 | 5437 |
|    |        |   |     |     |   | 5522                  | 5530 | 5697 | 5701 | 5376 |
|    |        |   |     |     |   | 5515                  | 5444 | 5561 | 5624 | 5365 |
|    |        |   |     |     |   | 5535                  | 5278 | 5641 | 5371 | 5587 |
|    |        |   |     |     |   | 5357                  | 5552 | 5493 | 5560 | 5608 |
|    |        |   |     |     |   | (number of hits: 41 ) |      |      |      |      |
| 17 | 5570.0 | 9 | 1.0 | 333 | 1 | 5256                  | 5460 | 5260 | 5615 | 5570 |
|    |        |   |     |     |   | 5422                  | 5311 | 5410 | 5348 | 5567 |
|    |        |   |     |     |   | 5561                  | 5273 | 5667 | 5426 | 5449 |
|    |        |   |     |     |   | 5691                  | 5382 | 5703 | 5339 | 5396 |
|    |        |   |     |     |   | 5279                  | 5670 | 5353 | 5479 | 5454 |
|    |        |   |     |     |   | 5557                  | 5492 | 5488 | 5584 | 5313 |
|    |        |   |     |     |   | 5645                  | 5525 | 5283 | 5487 | 5685 |
|    |        |   |     |     |   | 5534                  | 5341 | 5599 | 5377 | 5413 |
|    |        |   |     |     |   | 5671                  | 5335 | 5360 | 5379 | 5591 |
|    |        |   |     |     |   | 5444                  | 5411 | 5705 | 5668 | 5258 |
|    |        |   |     |     |   | 5457                  | 5514 | 5289 | 5334 | 5604 |
|    |        |   |     |     |   | 5408                  | 5357 | 5603 | 5263 | 5655 |
|    |        |   |     |     |   | 5548                  | 5551 | 5269 | 5383 | 5715 |
|    |        |   |     |     |   | 5527                  | 5466 | 5640 | 5600 | 5508 |
|    |        |   |     |     |   | 5576                  | 5651 | 5450 | 5669 | 5560 |
|    |        |   |     |     |   | 5321                  | 5613 | 5609 | 5642 | 5678 |
|    |        |   |     |     |   | 5478                  | 5486 | 5296 | 5608 | 5624 |
|    |        |   |     |     |   | 5524                  | 5438 | 5364 | 5580 | 5470 |
|    |        |   |     |     |   | 5606                  | 5325 | 5555 | 5489 | 5375 |

|    |        |   |     |     |   | 5480                  | 5674 | 5663 | 5282 | 5573 |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | (number of hits: 33 ) |      |      |      |      |
| 18 | 5570.0 | 9 | 1.0 | 333 | 1 | 5511                  | 5699 | 5671 | 5301 | 5315 |
|    |        |   |     |     |   | 5464                  | 5333 | 5485 | 5396 | 5492 |
|    |        |   |     |     |   | 5537                  | 5708 | 5621 | 5470 | 5304 |
|    |        |   |     |     |   | 5509                  | 5331 | 5287 | 5588 | 5665 |
|    |        |   |     |     |   | 5264                  | 5391 | 5568 | 5427 | 5348 |
|    |        |   |     |     |   | 5441                  | 5691 | 5688 | 5347 | 5687 |
|    |        |   |     |     |   | 5414                  | 5715 | 5605 | 5459 | 5354 |
|    |        |   |     |     |   | 5480                  | 5312 | 5648 | 5663 | 5682 |
|    |        |   |     |     |   | 5271                  | 5540 | 5317 | 5356 | 5718 |
|    |        |   |     |     |   | 5685                  | 5276 | 5316 | 5413 | 5640 |
|    |        |   |     |     |   | 5510                  | 5655 | 5497 | 5558 | 5450 |
|    |        |   |     |     |   | 5599                  | 5692 | 5370 | 5367 | 5522 |
|    |        |   |     |     |   | 5434                  | 5328 | 5547 | 5353 | 5412 |
|    |        |   |     |     |   | 5366                  | 5549 | 5544 | 5408 | 5446 |
|    |        |   |     |     |   | 5253                  | 5266 | 5546 | 5421 | 5462 |
|    |        |   |     |     |   | 5355                  | 5481 | 5719 | 5659 | 5633 |
|    |        |   |     |     |   | 5499                  | 5552 | 5297 | 5521 | 5280 |
|    |        |   |     |     |   | 5438                  | 5681 | 5543 | 5565 | 5474 |
|    |        |   |     |     |   | 5279                  | 5608 | 5375 | 5619 | 5712 |
|    |        |   |     |     |   | 5523                  | 5257 | 5541 | 5507 | 5261 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 19 | 5570.0 | 9 | 1.0 | 333 | 1 | 5291                  | 5463 | 5607 | 5462 | 5632 |
|    |        |   |     |     |   | 5603                  | 5258 | 5560 | 5674 | 5326 |
|    |        |   |     |     |   | 5274                  | 5341 | 5491 | 5392 | 5636 |
|    |        |   |     |     |   | 5434                  | 5332 | 5305 | 5673 | 5430 |
|    |        |   |     |     |   | 5400                  | 5711 | 5293 | 5419 | 5317 |
|    |        |   |     |     |   | 5381                  | 5254 | 5303 | 5672 | 5345 |
|    |        |   |     |     |   | 5611                  | 5649 | 5619 | 5403 | 5541 |
|    |        |   |     |     |   | 5596                  | 5585 | 5623 | 5633 | 5438 |
|    |        |   |     |     |   | 5647                  | 5665 | 5359 | 5374 | 5466 |
|    |        |   |     |     |   | 5666                  | 5516 | 5589 | 5706 | 5586 |
|    |        |   |     |     |   | 5394                  | 5312 | 5646 | 5661 | 5493 |
|    |        |   |     |     |   | 5543                  | 5599 | 5273 | 5476 | 5276 |
|    |        |   |     |     |   | 5455                  | 5664 | 5498 | 5580 | 5618 |
|    |        |   |     |     |   | 5338                  | 5531 | 5435 | 5629 | 5424 |
|    |        |   |     |     |   | 5311                  | 5309 | 5314 | 5450 | 5310 |
|    |        |   |     |     |   | 5290                  | 5640 | 5410 | 5609 | 5333 |
|    |        |   |     |     |   | 5461                  | 5275 | 5518 | 5572 | 5620 |
|    |        |   |     |     |   | 5506                  | 5282 | 5342 | 5330 | 5573 |
|    |        |   |     |     |   | 5718                  | 5557 | 5517 | 5601 | 5708 |
|    |        |   |     |     |   | 5298                  | 5525 | 5405 | 5304 | 5682 |
|    |        |   |     |     |   | (number of hits: 38 ) |      |      |      |      |
| 20 | 5570.0 | 9 | 1.0 | 333 | 1 | 5546                  | 5702 | 5543 | 5623 | 5377 |
|    |        |   |     |     |   | 5645                  | 5280 | 5635 | 5265 | 5335 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5257                  | 5590 | 5315 | 5439 | 5512 |
|    |        |   |     |     |   | 5383                  | 5288 | 5440 | 5594 | 5681 |
|    |        |   |     |     |   | 5596                  | 5273 | 5649 | 5373 | 5502 |
|    |        |   |     |     |   | 5620                  | 5622 | 5518 | 5415 | 5393 |
|    |        |   |     |     |   | 5289                  | 5629 | 5560 | 5385 | 5372 |
|    |        |   |     |     |   | 5283                  | 5494 | 5337 | 5510 | 5424 |
|    |        |   |     |     |   | 5706                  | 5571 | 5361 | 5435 | 5479 |
|    |        |   |     |     |   | 5442                  | 5519 | 5456 | 5392 | 5290 |
|    |        |   |     |     |   | 5282                  | 5297 | 5679 | 5716 | 5500 |
|    |        |   |     |     |   | 5600                  | 5275 | 5464 | 5672 | 5308 |
|    |        |   |     |     |   | 5577                  | 5401 | 5390 | 5447 | 5450 |
|    |        |   |     |     |   | 5608                  | 5334 | 5507 | 5615 | 5524 |
|    |        |   |     |     |   | 5285                  | 5322 | 5430 | 5433 | 5621 |
|    |        |   |     |     |   | 5662                  | 5719 | 5589 | 5528 | 5515 |
|    |        |   |     |     |   | 5292                  | 5462 | 5566 | 5307 | 5284 |
|    |        |   |     |     |   | 5296                  | 5474 | 5724 | 5399 | 5710 |
|    |        |   |     |     |   | 5250                  | 5353 | 5509 | 5303 | 5597 |
|    |        |   |     |     |   | 5407                  | 5428 | 5562 | 5678 | 5300 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 21 | 5570.0 | 9 | 1.0 | 333 | 1 | 5704                  | 5466 | 5479 | 5309 | 5597 |
|    |        |   |     |     |   | 5687                  | 5680 | 5710 | 5428 | 5639 |
|    |        |   |     |     |   | 5566                  | 5379 | 5356 | 5634 | 5533 |
|    |        |   |     |     |   | 5471                  | 5318 | 5543 | 5422 | 5311 |
|    |        |   |     |     |   | 5592                  | 5665 | 5641 | 5443 | 5390 |
|    |        |   |     |     |   | 5569                  | 5350 | 5622 | 5449 | 5435 |
|    |        |   |     |     |   | 5653                  | 5586 | 5300 | 5537 | 5667 |
|    |        |   |     |     |   | 5325                  | 5585 | 5608 | 5269 | 5521 |
|    |        |   |     |     |   | 5263                  | 5314 | 5509 | 5504 | 5529 |
|    |        |   |     |     |   | 5408                  | 5528 | 5525 | 5393 | 5572 |
|    |        |   |     |     |   | 5343                  | 5646 | 5333 | 5386 | 5502 |
|    |        |   |     |     |   | 5660                  | 5688 | 5554 | 5465 | 5677 |
|    |        |   |     |     |   | 5338                  | 5326 | 5454 | 5260 | 5615 |
|    |        |   |     |     |   | 5403                  | 5347 | 5591 | 5396 | 5555 |
|    |        |   |     |     |   | 5515                  | 5579 | 5601 | 5527 | 5387 |
|    |        |   |     |     |   | 5261                  | 5707 | 5291 | 5550 | 5602 |
|    |        |   |     |     |   | 5439                  | 5257 | 5370 | 5692 | 5498 |
|    |        |   |     |     |   | 5512                  | 5487 | 5719 | 5401 | 5650 |
|    |        |   |     |     |   | 5335                  | 5402 | 5255 | 5659 | 5722 |
|    |        |   |     |     |   | 5364                  | 5493 | 5676 | 5510 | 5700 |
|    |        |   |     |     |   | (number of hits: 37 ) |      |      |      |      |
| 22 | 5570.0 | 9 | 1.0 | 333 | 1 | 5484                  | 5705 | 5415 | 5470 | 5439 |
|    |        |   |     |     |   | 5351                  | 5702 | 5310 | 5591 | 5371 |
|    |        |   |     |     |   | 5497                  | 5265 | 5494 | 5354 | 5554 |
|    |        |   |     |     |   | 5559                  | 5445 | 5646 | 5370 | 5503 |
|    |        |   |     |     |   | 5600                  | 5356 | 5252 | 5255 | 5416 |

|    |        |   |     |     |   |                      |      |      |      |      |
|----|--------|---|-----|-----|---|----------------------|------|------|------|------|
|    |        |   |     |     |   | 5656                 | 5421 | 5456 | 5251 | 5483 |
|    |        |   |     |     |   | 5477                 | 5542 | 5543 | 5418 | 5311 |
|    |        |   |     |     |   | 5390                 | 5464 | 5676 | 5501 | 5422 |
|    |        |   |     |     |   | 5435                 | 5674 | 5447 | 5269 | 5526 |
|    |        |   |     |     |   | 5337                 | 5508 | 5608 | 5451 | 5625 |
|    |        |   |     |     |   | 5522                 | 5642 | 5384 | 5475 | 5703 |
|    |        |   |     |     |   | 5507                 | 5401 | 5655 | 5496 | 5309 |
|    |        |   |     |     |   | 5455                 | 5619 | 5680 | 5326 | 5414 |
|    |        |   |     |     |   | 5345                 | 5492 | 5295 | 5318 | 5273 |
|    |        |   |     |     |   | 5587                 | 5530 | 5711 | 5615 | 5666 |
|    |        |   |     |     |   | 5638                 | 5670 | 5622 | 5583 | 5691 |
|    |        |   |     |     |   | 5367                 | 5626 | 5381 | 5561 | 5412 |
|    |        |   |     |     |   | 5682                 | 5718 | 5589 | 5286 | 5289 |
|    |        |   |     |     |   | 5553                 | 5314 | 5329 | 5261 | 5465 |
|    |        |   |     |     |   | 5541                 | 5463 | 5574 | 5671 | 5458 |
|    |        |   |     |     |   | (number of hits: 33) |      |      |      |      |
| 23 | 5570.0 | 9 | 1.0 | 333 | 1 | 5264                 | 5469 | 5351 | 5631 | 5659 |
|    |        |   |     |     |   | 5393                 | 5627 | 5385 | 5279 | 5578 |
|    |        |   |     |     |   | 5428                 | 5529 | 5535 | 5549 | 5575 |
|    |        |   |     |     |   | 5647                 | 5572 | 5274 | 5415 | 5695 |
|    |        |   |     |     |   | 5608                 | 5425 | 5668 | 5722 | 5389 |
|    |        |   |     |     |   | 5544                 | 5370 | 5355 | 5517 | 5616 |
|    |        |   |     |     |   | 5528                 | 5500 | 5633 | 5463 | 5685 |
|    |        |   |     |     |   | 5603                 | 5292 | 5297 | 5349 | 5513 |
|    |        |   |     |     |   | 5577                 | 5509 | 5523 | 5644 | 5488 |
|    |        |   |     |     |   | 5691                 | 5412 | 5678 | 5495 | 5398 |
|    |        |   |     |     |   | 5343                 | 5435 | 5564 | 5526 | 5451 |
|    |        |   |     |     |   | 5589                 | 5462 | 5315 | 5280 | 5584 |
|    |        |   |     |     |   | 5309                 | 5625 | 5336 | 5615 | 5294 |
|    |        |   |     |     |   | 5530                 | 5702 | 5565 | 5596 | 5345 |
|    |        |   |     |     |   | 5670                 | 5630 | 5560 | 5591 | 5607 |
|    |        |   |     |     |   | 5693                 | 5468 | 5477 | 5407 | 5545 |
|    |        |   |     |     |   | 5721                 | 5409 | 5402 | 5525 | 5552 |
|    |        |   |     |     |   | 5381                 | 5483 | 5340 | 5326 | 5609 |
|    |        |   |     |     |   | 5494                 | 5364 | 5499 | 5423 | 5465 |
|    |        |   |     |     |   | 5518                 | 5558 | 5569 | 5716 | 5718 |
|    |        |   |     |     |   | (number of hits: 45) |      |      |      |      |
| 24 | 5570.0 | 9 | 1.0 | 333 | 1 | 5519                 | 5708 | 5287 | 5695 | 5501 |
|    |        |   |     |     |   | 5435                 | 5649 | 5460 | 5442 | 5407 |
|    |        |   |     |     |   | 5262                 | 5318 | 5576 | 5269 | 5596 |
|    |        |   |     |     |   | 5638                 | 5699 | 5377 | 5412 | 5591 |
|    |        |   |     |     |   | 5706                 | 5336 | 5362 | 5432 | 5697 |
|    |        |   |     |     |   | 5387                 | 5556 | 5454 | 5658 | 5417 |
|    |        |   |     |     |   | 5457                 | 5373 | 5712 | 5408 | 5645 |
|    |        |   |     |     |   | 5480                 | 5568 | 5350 | 5360 | 5352 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5660                  | 5323 | 5652 | 5520 | 5573 |
|    |        |   |     |     |   | 5468                  | 5299 | 5470 | 5634 | 5285 |
|    |        |   |     |     |   | 5274                  | 5486 | 5275 | 5349 | 5298 |
|    |        |   |     |     |   | 5680                  | 5416 | 5463 | 5512 | 5251 |
|    |        |   |     |     |   | 5713                  | 5474 | 5667 | 5683 | 5453 |
|    |        |   |     |     |   | 5282                  | 5438 | 5718 | 5566 | 5534 |
|    |        |   |     |     |   | 5399                  | 5514 | 5656 | 5633 | 5409 |
|    |        |   |     |     |   | 5567                  | 5584 | 5338 | 5545 | 5623 |
|    |        |   |     |     |   | 5490                  | 5663 | 5612 | 5309 | 5406 |
|    |        |   |     |     |   | 5694                  | 5525 | 5499 | 5448 | 5294 |
|    |        |   |     |     |   | 5574                  | 5332 | 5659 | 5370 | 5436 |
|    |        |   |     |     |   | 5477                  | 5415 | 5542 | 5467 | 5319 |
|    |        |   |     |     |   | (number of hits: 27 ) |      |      |      |      |
| 25 | 5570.0 | 9 | 1.0 | 333 | 1 | 5299                  | 5472 | 5698 | 5381 | 5721 |
|    |        |   |     |     |   | 5477                  | 5574 | 5535 | 5508 | 5614 |
|    |        |   |     |     |   | 5668                  | 5582 | 5617 | 5367 | 5251 |
|    |        |   |     |     |   | 5351                  | 5383 | 5505 | 5604 | 5527 |
|    |        |   |     |     |   | 5660                  | 5647 | 5328 | 5335 | 5549 |
|    |        |   |     |     |   | 5590                  | 5488 | 5700 | 5403 | 5414 |
|    |        |   |     |     |   | 5588                  | 5389 | 5703 | 5309 | 5571 |
|    |        |   |     |     |   | 5364                  | 5503 | 5274 | 5666 | 5365 |
|    |        |   |     |     |   | 5261                  | 5417 | 5517 | 5405 | 5448 |
|    |        |   |     |     |   | 5382                  | 5528 | 5687 | 5695 | 5537 |
|    |        |   |     |     |   | 5717                  | 5393 | 5370 | 5653 | 5331 |
|    |        |   |     |     |   | 5600                  | 5270 | 5639 | 5612 | 5515 |
|    |        |   |     |     |   | 5376                  | 5667 | 5269 | 5252 | 5677 |
|    |        |   |     |     |   | 5586                  | 5642 | 5258 | 5636 | 5543 |
|    |        |   |     |     |   | 5458                  | 5479 | 5623 | 5400 | 5444 |
|    |        |   |     |     |   | 5301                  | 5372 | 5428 | 5341 | 5575 |
|    |        |   |     |     |   | 5290                  | 5316 | 5345 | 5347 | 5627 |
|    |        |   |     |     |   | 5349                  | 5470 | 5565 | 5432 | 5628 |
|    |        |   |     |     |   | 5676                  | 5447 | 5672 | 5552 | 5468 |
|    |        |   |     |     |   | 5469                  | 5359 | 5321 | 5325 | 5678 |
|    |        |   |     |     |   | (number of hits: 32 ) |      |      |      |      |
| 26 | 5570.0 | 9 | 1.0 | 333 | 1 | 5457                  | 5711 | 5634 | 5542 | 5563 |
|    |        |   |     |     |   | 5616                  | 5596 | 5610 | 5671 | 5346 |
|    |        |   |     |     |   | 5599                  | 5371 | 5658 | 5562 | 5638 |
|    |        |   |     |     |   | 5339                  | 5381 | 5486 | 5453 | 5321 |
|    |        |   |     |     |   | 5535                  | 5351 | 5588 | 5417 | 5308 |
|    |        |   |     |     |   | 5586                  | 5498 | 5318 | 5289 | 5522 |
|    |        |   |     |     |   | 5364                  | 5292 | 5706 | 5426 | 5448 |
|    |        |   |     |     |   | 5662                  | 5257 | 5656 | 5663 | 5505 |
|    |        |   |     |     |   | 5674                  | 5657 | 5514 | 5334 | 5428 |
|    |        |   |     |     |   | 5465                  | 5489 | 5265 | 5437 | 5404 |

|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5396                  | 5373 | 5564 | 5581 | 5324 |
|    |        |   |     |     |   | 5368                  | 5625 | 5571 | 5399 | 5329 |
|    |        |   |     |     |   | 5557                  | 5347 | 5677 | 5271 | 5462 |
|    |        |   |     |     |   | 5541                  | 5576 | 5383 | 5280 | 5250 |
|    |        |   |     |     |   | 5261                  | 5485 | 5519 | 5502 | 5578 |
|    |        |   |     |     |   | 5525                  | 5604 | 5652 | 5613 | 5700 |
|    |        |   |     |     |   | 5435                  | 5400 | 5609 | 5331 | 5635 |
|    |        |   |     |     |   | 5385                  | 5281 | 5299 | 5595 | 5350 |
|    |        |   |     |     |   | 5382                  | 5407 | 5695 | 5546 | 5683 |
|    |        |   |     |     |   | 5607                  | 5263 | 5655 | 5550 | 5459 |
|    |        |   |     |     |   | (number of hits: 35 ) |      |      |      |      |
| 27 | 5570.0 | 9 | 1.0 | 333 | 1 | 5712                  | 5475 | 5570 | 5703 | 5308 |
|    |        |   |     |     |   | 5658                  | 5521 | 5685 | 5359 | 5650 |
|    |        |   |     |     |   | 5433                  | 5257 | 5699 | 5282 | 5659 |
|    |        |   |     |     |   | 5427                  | 5508 | 5589 | 5498 | 5610 |
|    |        |   |     |     |   | 5446                  | 5420 | 5626 | 5409 | 5281 |
|    |        |   |     |     |   | 5377                  | 5350 | 5424 | 5393 | 5556 |
|    |        |   |     |     |   | 5406                  | 5656 | 5328 | 5315 | 5721 |
|    |        |   |     |     |   | 5587                  | 5278 | 5528 | 5431 | 5674 |
|    |        |   |     |     |   | 5441                  | 5531 | 5515 | 5422 | 5608 |
|    |        |   |     |     |   | 5263                  | 5408 | 5548 | 5547 | 5318 |
|    |        |   |     |     |   | 5324                  | 5280 | 5572 | 5639 | 5542 |
|    |        |   |     |     |   | 5671                  | 5294 | 5558 | 5347 | 5494 |
|    |        |   |     |     |   | 5502                  | 5654 | 5600 | 5692 | 5663 |
|    |        |   |     |     |   | 5662                  | 5577 | 5311 | 5414 | 5661 |
|    |        |   |     |     |   | 5352                  | 5711 | 5361 | 5334 | 5398 |
|    |        |   |     |     |   | 5461                  | 5289 | 5698 | 5668 | 5585 |
|    |        |   |     |     |   | 5429                  | 5723 | 5481 | 5629 | 5595 |
|    |        |   |     |     |   | 5300                  | 5329 | 5331 | 5597 | 5598 |
|    |        |   |     |     |   | 5624                  | 5368 | 5645 | 5679 | 5485 |
|    |        |   |     |     |   | 5707                  | 5563 | 5591 | 5636 | 5537 |
|    |        |   |     |     |   | (number of hits: 34 ) |      |      |      |      |
| 28 | 5570.0 | 9 | 1.0 | 333 | 1 | 5492                  | 5714 | 5506 | 5389 | 5625 |
|    |        |   |     |     |   | 5700                  | 5543 | 5285 | 5522 | 5382 |
|    |        |   |     |     |   | 5364                  | 5521 | 5265 | 5477 | 5680 |
|    |        |   |     |     |   | 5418                  | 5635 | 5692 | 5327 | 5454 |
|    |        |   |     |     |   | 5586                  | 5567 | 5498 | 5254 | 5299 |
|    |        |   |     |     |   | 5627                  | 5594 | 5590 | 5448 | 5642 |
|    |        |   |     |     |   | 5661                  | 5564 | 5541 | 5629 | 5369 |
|    |        |   |     |     |   | 5324                  | 5584 | 5588 | 5280 | 5614 |
|    |        |   |     |     |   | 5453                  | 5565 | 5605 | 5570 | 5291 |
|    |        |   |     |     |   | 5631                  | 5371 | 5589 | 5534 | 5273 |
|    |        |   |     |     |   | 5690                  | 5494 | 5355 | 5482 | 5707 |
|    |        |   |     |     |   | 5641                  | 5513 | 5657 | 5659 | 5544 |
|    |        |   |     |     |   | 5486                  | 5426 | 5638 | 5611 | 5516 |



|    |        |   |     |     |   |                       |      |      |      |      |
|----|--------|---|-----|-----|---|-----------------------|------|------|------|------|
|    |        |   |     |     |   | 5618                  | 5684 | 5464 | 5697 | 5658 |
|    |        |   |     |     |   | 5374                  | 5420 | 5258 | 5721 | 5566 |
|    |        |   |     |     |   | 5681                  | 5358 | 5262 | 5696 | 5297 |
|    |        |   |     |     |   | 5621                  | 5709 | 5439 | 5672 | 5304 |
|    |        |   |     |     |   | 5616                  | 5368 | 5491 | 5475 | 5341 |
|    |        |   |     |     |   | 5580                  | 5318 | 5281 | 5380 | 5519 |
|    |        |   |     |     |   | 5537                  | 5362 | 5645 | 5524 | 5325 |
|    |        |   |     |     |   | (number of hits: 43 ) |      |      |      |      |
| 29 | 5570.0 | 9 | 1.0 | 333 | 1 | 5272                  | 5478 | 5539 | 5550 | 5370 |
|    |        |   |     |     |   | 5267                  | 5565 | 5360 | 5588 | 5589 |
|    |        |   |     |     |   | 5295                  | 5310 | 5306 | 5672 | 5701 |
|    |        |   |     |     |   | 5506                  | 5287 | 5320 | 5491 | 5519 |
|    |        |   |     |     |   | 5462                  | 5655 | 5508 | 5490 | 5702 |
|    |        |   |     |     |   | 5531                  | 5626 | 5355 | 5698 | 5624 |
|    |        |   |     |     |   | 5717                  | 5401 | 5716 | 5264 | 5293 |
|    |        |   |     |     |   | 5557                  | 5692 | 5262 | 5502 | 5594 |
|    |        |   |     |     |   | 5319                  | 5391 | 5330 | 5602 | 5499 |
|    |        |   |     |     |   | 5271                  | 5336 | 5663 | 5424 | 5476 |
|    |        |   |     |     |   | 5410                  | 5449 | 5266 | 5342 | 5317 |
|    |        |   |     |     |   | 5299                  | 5670 | 5564 | 5463 | 5460 |
|    |        |   |     |     |   | 5387                  | 5311 | 5349 | 5489 | 5415 |
|    |        |   |     |     |   | 5252                  | 5681 | 5687 | 5560 | 5552 |
|    |        |   |     |     |   | 5353                  | 5576 | 5593 | 5683 | 5464 |
|    |        |   |     |     |   | 5507                  | 5350 | 5379 | 5605 | 5366 |
|    |        |   |     |     |   | 5382                  | 5547 | 5361 | 5371 | 5518 |
|    |        |   |     |     |   | 5385                  | 5721 | 5294 | 5341 | 5612 |
|    |        |   |     |     |   | 5378                  | 5621 | 5389 | 5457 | 5292 |
|    |        |   |     |     |   | 5534                  | 5497 | 5412 | 5374 | 5597 |
|    |        |   |     |     |   | (number of hits: 31 ) |      |      |      |      |
| 30 | 5570.0 | 9 | 1.0 | 333 | 1 | 5430                  | 5717 | 5475 | 5711 | 5687 |
|    |        |   |     |     |   | 5406                  | 5490 | 5435 | 5276 | 5321 |
|    |        |   |     |     |   | 5604                  | 5574 | 5444 | 5295 | 5722 |
|    |        |   |     |     |   | 5594                  | 5414 | 5326 | 5536 | 5373 |
|    |        |   |     |     |   | 5346                  | 5546 | 5579 | 5675 | 5419 |
|    |        |   |     |     |   | 5478                  | 5558 | 5327 | 5658 | 5629 |
|    |        |   |     |     |   | 5420                  | 5674 | 5519 | 5559 | 5432 |
|    |        |   |     |     |   | 5648                  | 5488 | 5512 | 5513 | 5433 |
|    |        |   |     |     |   | 5402                  | 5329 | 5570 | 5599 | 5331 |
|    |        |   |     |     |   | 5251                  | 5624 | 5477 | 5266 | 5286 |
|    |        |   |     |     |   | 5625                  | 5317 | 5431 | 5518 | 5621 |
|    |        |   |     |     |   | 5653                  | 5279 | 5358 | 5343 | 5514 |
|    |        |   |     |     |   | 5434                  | 5650 | 5627 | 5413 | 5509 |
|    |        |   |     |     |   | 5491                  | 5660 | 5371 | 5545 | 5665 |
|    |        |   |     |     |   | 5291                  | 5467 | 5259 | 5338 | 5486 |

|  |  |  |  |  |  |                       |      |      |      |      |
|--|--|--|--|--|--|-----------------------|------|------|------|------|
|  |  |  |  |  |  | 5428                  | 5528 | 5613 | 5481 | 5299 |
|  |  |  |  |  |  | 5549                  | 5309 | 5612 | 5695 | 5681 |
|  |  |  |  |  |  | 5581                  | 5422 | 5540 | 5386 | 5699 |
|  |  |  |  |  |  | 5503                  | 5446 | 5256 | 5462 | 5640 |
|  |  |  |  |  |  | 5427                  | 5377 | 5487 | 5398 | 5307 |
|  |  |  |  |  |  | (number of hits: 32 ) |      |      |      |      |

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## 10 Appendix A (Informative) – Declaration of Similarity (DoS)

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

### DECLARATION OF SIMILARITY

January 13, 2024

To whom it may concern:

We *Cisco Systems, Inc.* hereby declare that product: *2x2 MIMO-Based Wireless Radio*, model(s): *IW916DH-ROW & IW9165DH-A* are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as a model: *IW9165DH-B* tested (DFS testing) by BACL, the results of which are featured in BACL project R2309114.

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

The difference between the test model and a similar model is the regulatory domain only. IW9165DH-A is the model number targeted for Canada which supports all Wifi 5GHz bands excluding 5600-5650MHz. IW9165DH-ROW is the model number targeted for the rest of the world.

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

A handwritten signature in blue ink that reads "Adam Walb".

Adam Walb  
Manager, IoT RF and Compliance  
125 W Tasman Drive  
San Jose, CA 95134  
United States

# 11 Appendix 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 21<sup>st</sup> day of December 2022.



A blue ink signature of Trace McInturf.

Mr. Trace McInturf, 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 ---**