

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5292            | 3                | 17                 | 5301            | 51               |
| 8                  | 5297            | 24               | 26                 | 5308            | 78               |
| 10                 | 5309            | 30               | 28                 | 5272            | 84               |
| 12                 | 5320            | 36               | 33                 | 5300            | 99               |
| 15                 | 5305            | 45               | 47                 | 5291            | 141              |
| 32                 | 5285            | 96               | 65                 | 5281            | 195              |
| 44                 | 5293            | 132              | 68                 | 5294            | 204              |
| 83                 | 5294            | 249              | 71                 | 5279            | 213              |
| 84                 | 5298            | 252              | 73                 | 5327            | 219              |
| 97                 | 5287            | 291              | 75                 | 5328            | 225              |
| --                 | --              | --               | 76                 | 5325            | 228              |
| --                 | --              | --               | 89                 | 5329            | 267              |
| --                 | --              | --               | 96                 | 5283            | 288              |
| --                 | --              | --               | 97                 | 5277            | 291              |
| --                 | --              | --               | 99                 | 5320            | 297              |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5288            | 9                | 0                  | 5329            | 0                |
| 5                  | 5295            | 15               | 2                  | 5315            | 6                |
| 9                  | 5274            | 27               | 7                  | 5287            | 21               |
| 20                 | 5310            | 60               | 9                  | 5270            | 27               |
| 22                 | 5314            | 66               | 22                 | 5327            | 66               |
| 31                 | 5324            | 93               | 34                 | 5302            | 102              |
| 32                 | 5296            | 96               | 44                 | 5295            | 132              |
| 42                 | 5289            | 126              | 62                 | 5297            | 186              |
| 53                 | 5307            | 159              | 77                 | 5330            | 231              |
| 58                 | 5291            | 174              | 78                 | 5312            | 234              |
| 65                 | 5294            | 195              | --                 | --              | --               |
| 81                 | 5293            | 243              | --                 | --              | --               |
| 89                 | 5276            | 267              | --                 | --              | --               |
| 91                 | 5281            | 273              | --                 | --              | --               |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 6                  | 5325            | 18               | 1                  | 5290            | 3                |
| 11                 | 5304            | 33               | 9                  | 5273            | 27               |
| 12                 | 5303            | 36               | 19                 | 5311            | 57               |
| 25                 | 5294            | 75               | 54                 | 5300            | 162              |
| 30                 | 5293            | 90               | 73                 | 5294            | 219              |
| 36                 | 5319            | 108              | 78                 | 5327            | 234              |
| 37                 | 5300            | 111              | 85                 | 5323            | 255              |
| 39                 | 5279            | 117              | 91                 | 5291            | 273              |
| 40                 | 5276            | 120              | 97                 | 5280            | 291              |
| 49                 | 5312            | 147              | --                 | --              | --               |
| 51                 | 5270            | 153              | --                 | --              | --               |
| 60                 | 5286            | 180              | --                 | --              | --               |
| 83                 | 5296            | 249              | --                 | --              | --               |
| 93                 | 5287            | 279              | --                 | --              | --               |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 0                  | 5290            | 0                | 5                  | 5291            | 15               |
| 7                  | 5307            | 21               | 21                 | 5327            | 63               |
| 13                 | 5285            | 39               | 30                 | 5287            | 90               |
| 14                 | 5302            | 42               | 31                 | 5318            | 93               |
| 15                 | 5300            | 45               | 43                 | 5305            | 129              |
| 19                 | 5305            | 57               | 52                 | 5323            | 156              |
| 28                 | 5297            | 84               | 53                 | 5300            | 159              |
| 30                 | 5296            | 90               | 65                 | 5288            | 195              |
| 38                 | 5308            | 114              | 75                 | 5310            | 225              |
| 45                 | 5292            | 135              | 79                 | 5292            | 237              |
| 47                 | 5275            | 141              | 85                 | 5270            | 255              |
| 51                 | 5322            | 153              | 92                 | 5311            | 276              |
| 55                 | 5301            | 165              | 94                 | 5282            | 282              |
| 69                 | 5283            | 207              | 98                 | 5301            | 294              |
| 75                 | 5294            | 225              | --                 | --              | --               |
| 85                 | 5295            | 255              | --                 | --              | --               |
| 87                 | 5320            | 261              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5316            | 3                | 7                  | 5281            | 21               |
| 6                  | 5328            | 18               | 24                 | 5274            | 72               |
| 14                 | 5297            | 42               | 26                 | 5279            | 78               |
| 26                 | 5318            | 78               | 31                 | 5326            | 93               |
| 44                 | 5326            | 132              | 33                 | 5288            | 99               |
| 45                 | 5310            | 135              | 43                 | 5325            | 129              |
| 74                 | 5272            | 222              | 45                 | 5278            | 135              |
| 78                 | 5305            | 234              | 46                 | 5318            | 138              |
| 82                 | 5274            | 246              | 47                 | 5289            | 141              |
| 83                 | 5301            | 249              | 53                 | 5301            | 159              |
| 90                 | 5307            | 270              | 54                 | 5293            | 162              |
| 94                 | 5270            | 282              | 61                 | 5328            | 183              |
| 98                 | 5293            | 294              | 63                 | 5271            | 189              |
| --                 | --              | --               | 66                 | 5320            | 198              |
| --                 | --              | --               | 76                 | 5307            | 228              |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 27                 | 5286            | 81               | 0                  | 5312            | 0                |
| 29                 | 5281            | 87               | 1                  | 5282            | 3                |
| 38                 | 5287            | 114              | 24                 | 5327            | 72               |
| 53                 | 5310            | 159              | 40                 | 5288            | 120              |
| 72                 | 5321            | 216              | 49                 | 5307            | 147              |
| 78                 | 5314            | 234              | 58                 | 5299            | 174              |
| 83                 | 5271            | 249              | 60                 | 5326            | 180              |
| 85                 | 5280            | 255              | 62                 | 5321            | 186              |
| 91                 | 5276            | 273              | 64                 | 5270            | 192              |
| --                 | --              | --               | 65                 | 5323            | 195              |
| --                 | --              | --               | 79                 | 5277            | 237              |
| --                 | --              | --               | 80                 | 5276            | 240              |
| --                 | --              | --               | 81                 | 5271            | 243              |
| --                 | --              | --               | 86                 | 5296            | 258              |
| --                 | --              | --               | 98                 | 5302            | 294              |
| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |

| Hopping Number | Frequency (MHz) | Pulse Start (ms) | Hopping Number | Frequency (MHz) | Pulse Start (ms) |
|----------------|-----------------|------------------|----------------|-----------------|------------------|
| 12             | 5293            | 36               | 1              | 5283            | 3                |
| 26             | 5312            | 78               | 11             | 5329            | 33               |
| 28             | 5290            | 84               | 31             | 5318            | 93               |
| 41             | 5320            | 123              | 32             | 5308            | 96               |
| 48             | 5306            | 144              | 33             | 5306            | 99               |
| 51             | 5283            | 153              | 39             | 5293            | 117              |
| 61             | 5308            | 183              | 42             | 5274            | 126              |
| 65             | 5296            | 195              | 54             | 5330            | 162              |
| 70             | 5284            | 210              | 56             | 5307            | 168              |
| 83             | 5330            | 249              | 60             | 5325            | 180              |
| 92             | 5287            | 276              | 63             | 5305            | 189              |
| --             | --              | --               | 73             | 5320            | 219              |
| --             | --              | --               | 77             | 5296            | 231              |
| --             | --              | --               | 85             | 5292            | 255              |

## Radar Statistical Performance for 802.11n-HT40

## Radar Type 1 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5292                | 1                   | 738      | 72             | 1                             |
| 2                        | 5293                | 1                   | 878      | 61             | 1                             |
| 3                        | 5294                | 1                   | 658      | 81             | 1                             |
| 4                        | 5295                | 1                   | 758      | 70             | 1                             |
| 5                        | 5296                | 1                   | 898      | 59             | 1                             |
| 6                        | 5299                | 1                   | 838      | 63             | 1                             |
| 7                        | 5300                | 1                   | 518      | 102            | 1                             |
| 8                        | 5301                | 1                   | 698      | 76             | 1                             |
| 9                        | 5302                | 1                   | 638      | 83             | 1                             |
| 10                       | 5303                | 1                   | 778      | 68             | 1                             |
| 11                       | 5304                | 1                   | 918      | 58             | 1                             |
| 12                       | 5306                | 1                   | 858      | 62             | 1                             |
| 13                       | 5307                | 1                   | 678      | 78             | 1                             |
| 14                       | 5308                | 1                   | 538      | 99             | 1                             |
| 15                       | 5309                | 1                   | 618      | 86             | 1                             |
| 16                       | 5310                | 1                   | 1154     | 46             | 1                             |
| 17                       | 5311                | 1                   | 2934     | 18             | 1                             |
| 18                       | 5312                | 1                   | 2243     | 24             | 1                             |
| 19                       | 5316                | 1                   | 1175     | 45             | 1                             |
| 20                       | 5317                | 1                   | 2748     | 20             | 1                             |
| 21                       | 5318                | 1                   | 2850     | 19             | 1                             |
| 22                       | 5319                | 1                   | 1915     | 28             | 1                             |
| 23                       | 5320                | 1                   | 1773     | 30             | 1                             |
| 24                       | 5321                | 1                   | 2058     | 26             | 1                             |
| 25                       | 5322                | 1                   | 1626     | 33             | 1                             |
| 26                       | 5323                | 1                   | 2518     | 21             | 1                             |
| 27                       | 5324                | 1                   | 1967     | 27             | 1                             |
| 28                       | 5325                | 1                   | 2715     | 20             | 1                             |
| 29                       | 5326                | 1                   | 519      | 102            | 1                             |
| 30                       | 5327                | 1                   | 1264     | 42             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 2 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5292                | 2.1                 | 164      | 28             | 1                             |
| 2                        | 5293                | 4.1                 | 155      | 23             | 1                             |
| 3                        | 5294                | 1.9                 | 157      | 23             | 1                             |
| 4                        | 5295                | 1.8                 | 216      | 26             | 1                             |
| 5                        | 5296                | 2.6                 | 221      | 23             | 1                             |
| 6                        | 5299                | 1.9                 | 221      | 28             | 1                             |
| 7                        | 5300                | 3.8                 | 176      | 25             | 1                             |
| 8                        | 5301                | 3.1                 | 193      | 24             | 1                             |
| 9                        | 5302                | 4.6                 | 195      | 25             | 1                             |
| 10                       | 5303                | 3.3                 | 217      | 23             | 1                             |
| 11                       | 5304                | 1.3                 | 193      | 29             | 1                             |
| 12                       | 5306                | 1.9                 | 153      | 25             | 1                             |
| 13                       | 5307                | 2.6                 | 199      | 26             | 1                             |
| 14                       | 5308                | 2.6                 | 220      | 24             | 1                             |
| 15                       | 5309                | 4.4                 | 216      | 23             | 1                             |
| 16                       | 5310                | 3.2                 | 178      | 25             | 1                             |
| 17                       | 5311                | 5.0                 | 191      | 26             | 1                             |
| 18                       | 5312                | 4.4                 | 214      | 25             | 1                             |
| 19                       | 5316                | 4.8                 | 156      | 25             | 1                             |
| 20                       | 5317                | 2.0                 | 170      | 24             | 1                             |
| 21                       | 5318                | 4.8                 | 205      | 27             | 1                             |
| 22                       | 5319                | 4.5                 | 176      | 27             | 1                             |
| 23                       | 5320                | 3.2                 | 185      | 26             | 1                             |
| 24                       | 5321                | 3.0                 | 166      | 24             | 1                             |
| 25                       | 5322                | 3.2                 | 159      | 25             | 1                             |
| 26                       | 5323                | 4.4                 | 159      | 23             | 1                             |
| 27                       | 5324                | 3.7                 | 181      | 26             | 1                             |
| 28                       | 5325                | 2.9                 | 141      | 24             | 1                             |
| 29                       | 5326                | 3.3                 | 153      | 25             | 1                             |
| 30                       | 5327                | 2.1                 | 167      | 28             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 3 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5292                | 9.2                 | 364      | 18             | 1                             |
| 2                        | 5293                | 8.4                 | 274      | 17             | 1                             |
| 3                        | 5294                | 9.3                 | 358      | 17             | 1                             |
| 4                        | 5295                | 9.5                 | 391      | 17             | 1                             |
| 5                        | 5296                | 6.9                 | 420      | 16             | 1                             |
| 6                        | 5299                | 8.3                 | 452      | 16             | 1                             |
| 7                        | 5300                | 6.8                 | 368      | 17             | 1                             |
| 8                        | 5301                | 9.1                 | 288      | 17             | 1                             |
| 9                        | 5302                | 6.4                 | 312      | 17             | 1                             |
| 10                       | 5303                | 9.4                 | 406      | 17             | 1                             |
| 11                       | 5304                | 6.4                 | 464      | 18             | 1                             |
| 12                       | 5306                | 9.1                 | 281      | 17             | 1                             |
| 13                       | 5307                | 8.7                 | 439      | 16             | 1                             |
| 14                       | 5308                | 6.9                 | 288      | 18             | 1                             |
| 15                       | 5309                | 8.3                 | 392      | 16             | 1                             |
| 16                       | 5310                | 9.9                 | 308      | 18             | 1                             |
| 17                       | 5311                | 7.1                 | 370      | 16             | 1                             |
| 18                       | 5312                | 6.5                 | 292      | 16             | 1                             |
| 19                       | 5316                | 7.8                 | 272      | 18             | 1                             |
| 20                       | 5317                | 7.4                 | 291      | 16             | 1                             |
| 21                       | 5318                | 8.2                 | 411      | 17             | 1                             |
| 22                       | 5319                | 9.1                 | 377      | 17             | 1                             |
| 23                       | 5320                | 7.9                 | 406      | 16             | 1                             |
| 24                       | 5321                | 6.6                 | 319      | 18             | 1                             |
| 25                       | 5322                | 8.2                 | 293      | 18             | 1                             |
| 26                       | 5323                | 9.2                 | 431      | 17             | 1                             |
| 27                       | 5324                | 7.3                 | 317      | 16             | 1                             |
| 28                       | 5325                | 6.5                 | 403      | 16             | 1                             |
| 29                       | 5326                | 8.3                 | 279      | 18             | 1                             |
| 30                       | 5327                | 9.4                 | 324      | 17             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 4 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5292                | 18.1                | 250      | 15             | 1                             |
| 2                        | 5293                | 12.8                | 296      | 15             | 1                             |
| 3                        | 5294                | 11.4                | 331      | 16             | 1                             |
| 4                        | 5295                | 14.1                | 313      | 15             | 1                             |
| 5                        | 5296                | 16.5                | 310      | 13             | 1                             |
| 6                        | 5299                | 12.1                | 417      | 12             | 1                             |
| 7                        | 5300                | 17.8                | 453      | 16             | 1                             |
| 8                        | 5301                | 18.4                | 264      | 14             | 1                             |
| 9                        | 5302                | 15.3                | 317      | 13             | 1                             |
| 10                       | 5303                | 19.1                | 297      | 14             | 1                             |
| 11                       | 5304                | 18.3                | 256      | 13             | 1                             |
| 12                       | 5306                | 11.2                | 282      | 16             | 1                             |
| 13                       | 5307                | 11.6                | 261      | 15             | 1                             |
| 14                       | 5308                | 16.0                | 440      | 16             | 1                             |
| 15                       | 5309                | 15.8                | 255      | 14             | 1                             |
| 16                       | 5310                | 11.0                | 319      | 12             | 1                             |
| 17                       | 5311                | 14.0                | 391      | 16             | 1                             |
| 18                       | 5312                | 16.9                | 311      | 15             | 1                             |
| 19                       | 5316                | 14.2                | 266      | 14             | 1                             |
| 20                       | 5317                | 18.1                | 257      | 13             | 1                             |
| 21                       | 5318                | 12.7                | 284      | 14             | 1                             |
| 22                       | 5319                | 19.6                | 451      | 14             | 1                             |
| 23                       | 5320                | 16.5                | 472      | 12             | 1                             |
| 24                       | 5321                | 14.9                | 441      | 16             | 1                             |
| 25                       | 5322                | 16.0                | 260      | 14             | 1                             |
| 26                       | 5323                | 18.7                | 317      | 13             | 1                             |
| 27                       | 5324                | 15.2                | 411      | 15             | 1                             |
| 28                       | 5325                | 14.6                | 340      | 13             | 1                             |
| 29                       | 5326                | 11.4                | 275      | 14             | 1                             |
| 30                       | 5327                | 11.9                | 315      | 16             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: 
$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$$

### Radar Type 5 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection | Trail # | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|-------------------------------|---------|---------------------|-------------------------------|
| 1                        | 5296.0              | 1                             | 16      | 5310.0              | 1                             |
| 2                        | 5295.6              | 1                             | 17      | 5310.0              | 1                             |
| 3                        | 5294.0              | 1                             | 18      | 5310.0              | 1                             |
| 4                        | 5299.2              | 1                             | 19      | 5310.0              | 1                             |
| 5                        | 5294.4              | 1                             | 20      | 5310.0              | 1                             |
| 6                        | 5299.6              | 0                             | 21      | 5323.2              | 1                             |
| 7                        | 5295.2              | 1                             | 22      | 5326.0              | 1                             |
| 8                        | 5298.8              | 1                             | 23      | 5320.8              | 1                             |
| 9                        | 5296.8              | 1                             | 24      | 5324.8              | 1                             |
| 10                       | 5297.6              | 1                             | 25      | 5321.2              | 1                             |
| 11                       | 5310.0              | 1                             | 26      | 5325.6              | 1                             |
| 12                       | 5310.0              | 1                             | 27      | 5320.4              | 1                             |
| 13                       | 5310.0              | 1                             | 28      | 5324.4              | 1                             |
| 14                       | 5310.0              | 1                             | 29      | 5322.4              | 1                             |
| 15                       | 5310.0              | 1                             | 30      | 5324.0              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 96.7%                         |

| Type 5 Radar Waveform_1                            |               |          |             |         |                  |                  |                  |                |                           |                         |
|----------------------------------------------------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| Num of Bursts = 14<br>Burst Interval (us) = 857143 |               |          |             |         |                  |                  |                  |                |                           |                         |
| Burst #                                            | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
| 1                                                  | 624707        | 3        | 6           | 60      | 1190             | 1382             | 1305             | 624707         | 0                         | 857142                  |
| 2                                                  | 769875        | 3        | 6           | 50      | 1487             | 1697             | 1819             | 1398459        | 857143                    | 1714285                 |
| 3                                                  | 433533        | 1        | 6           | 50      | 1907             | 0                | 0                | 1836995        | 1714286                   | 2571428                 |
| 4                                                  | 1389482       | 3        | 6           | 100     | 1152             | 1064             | 1369             | 3228384        | 2571429                   | 3428571                 |
| 5                                                  | 248340        | 1        | 6           | 65      | 1606             | 0                | 0                | 3480309        | 3428572                   | 4285714                 |
| 6                                                  | 936142        | 2        | 6           | 70      | 1228             | 1611             | 0                | 4418057        | 4285715                   | 5142857                 |
| 7                                                  | 975683        | 3        | 6           | 60      | 1026             | 1045             | 1748             | 5396579        | 5142858                   | 6000000                 |
| 8                                                  | 1350334       | 3        | 6           | 100     | 1109             | 1542             | 1834             | 6750732        | 6000001                   | 6857143                 |
| 9                                                  | 438084        | 3        | 6           | 55      | 1543             | 1121             | 1513             | 7193301        | 6857144                   | 7714286                 |
| 10                                                 | 947900        | 1        | 6           | 95      | 1537             | 0                | 0                | 8145378        | 7714287                   | 8571429                 |
| 11                                                 | 484332        | 2        | 6           | 65      | 1712             | 1734             | 0                | 8631247        | 8571430                   | 9428572                 |
| 12                                                 | 1281831       | 1        | 6           | 80      | 1912             | 0                | 0                | 9916524        | 9428573                   | 10285715                |
| 13                                                 | 922483        | 2        | 6           | 100     | 1380             | 1562             | 0                | 10840919       | 10285716                  | 11142858                |
| 14                                                 | 658650        | 3        | 6           | 80      | 1490             | 1661             | 1939             | 11502511       | 11142859                  | 12000001                |
| Total number of pulses in waveform = 31            |               |          |             |         |                  |                  |                  |                |                           |                         |



## Type 5 Radar Waveform\_2

Num of Bursts = 11  
Burst Interval (us) = 1090909

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 889920        | 2        | 12          | 75      | 1276             | 1774             | 0                | 889920         | 0                         | 1090908                 |
| 2       | 636324        | 1        | 12          | 100     | 1349             | 0                | 0                | 1529294        | 1090909                   | 2181817                 |
| 3       | 1710197       | 1        | 12          | 65      | 1254             | 0                | 0                | 3240840        | 2181818                   | 3272726                 |
| 4       | 77222         | 2        | 12          | 65      | 1949             | 1059             | 0                | 3319316        | 3272727                   | 4363635                 |
| 5       | 1263310       | 2        | 12          | 60      | 1450             | 1927             | 0                | 4585634        | 4363636                   | 5454544                 |
| 6       | 1850122       | 3        | 12          | 65      | 1181             | 1421             | 1530             | 6439133        | 5454545                   | 6545453                 |
| 7       | 493644        | 1        | 12          | 90      | 1710             | 0                | 0                | 6936909        | 6545454                   | 7636362                 |
| 8       | 1539220       | 3        | 12          | 95      | 1445             | 1993             | 1488             | 8477839        | 7636363                   | 8727271                 |
| 9       | 458717        | 1        | 12          | 90      | 1662             | 0                | 0                | 8941482        | 8727272                   | 9818180                 |
| 10      | 1832231       | 3        | 12          | 75      | 1966             | 1279             | 1831             | 10775375       | 9818181                   | 10909089                |
| 11      | 1102207       | 1        | 12          | 70      | 1705             | 0                | 0                | 11882658       | 10909090                  | 11999998                |

Total number of pulses in waveform = 20

\*\*\*\*\*

## Type 5 Radar Waveform\_3

Num of Bursts = 9  
Burst Interval (us) = 1333333

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 685238        | 1        | 17          | 85      | 1431             | 0                | 0                | 685238         | 0                         | 1333332                 |
| 2       | 997850        | 1        | 17          | 70      | 1643             | 0                | 0                | 1684519        | 1333333                   | 2666665                 |
| 3       | 2231664       | 1        | 17          | 85      | 1692             | 0                | 0                | 3917826        | 2666666                   | 3999998                 |
| 4       | 557950        | 2        | 17          | 95      | 1442             | 1152             | 0                | 4477468        | 3999999                   | 5333331                 |
| 5       | 1137054       | 2        | 17          | 95      | 1881             | 1415             | 0                | 5617116        | 5333332                   | 6666664                 |
| 6       | 1441949       | 1        | 17          | 100     | 1006             | 0                | 0                | 7062361        | 6666665                   | 7999997                 |
| 7       | 1891139       | 1        | 17          | 50      | 1807             | 0                | 0                | 8954506        | 7999998                   | 9333330                 |
| 8       | 1111107       | 2        | 17          | 55      | 1981             | 1042             | 0                | 10067420       | 9333331                   | 10666663                |
| 9       | 1906620       | 2        | 17          | 50      | 1612             | 1085             | 0                | 11977063       | 10666664                  | 11999996                |

Total number of pulses in waveform = 13

\*\*\*\*\*

## Type 5 Radar Waveform\_4

Num of Bursts = 19  
Burst Interval (us) = 631579

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 199113        | 2        | 5           | 65      | 1341             | 1707             | 0                | 199113         | 0                         | 631578                  |
| 2       | 1035948       | 3        | 5           | 100     | 1422             | 1268             | 1594             | 1238109        | 631579                    | 1263157                 |
| 3       | 547275        | 3        | 5           | 80      | 1843             | 1842             | 1182             | 1789668        | 1263158                   | 1894736                 |
| 4       | 547534        | 3        | 5           | 60      | 1911             | 1166             | 1685             | 2342069        | 1894737                   | 2526315                 |
| 5       | 222689        | 2        | 5           | 60      | 1052             | 1108             | 0                | 2569520        | 2526316                   | 3157894                 |
| 6       | 873015        | 3        | 5           | 55      | 1492             | 1465             | 1852             | 3444695        | 3157895                   | 3789473                 |
| 7       | 348131        | 1        | 5           | 65      | 1321             | 0                | 0                | 3797635        | 3789474                   | 4421052                 |
| 8       | 624587        | 1        | 5           | 95      | 1613             | 0                | 0                | 4423543        | 4421053                   | 5052631                 |
| 9       | 1131825       | 1        | 5           | 60      | 1179             | 0                | 0                | 5556981        | 5052632                   | 5684210                 |
| 10      | 469778        | 2        | 5           | 55      | 1569             | 1546             | 0                | 6027938        | 5684211                   | 6315789                 |
| 11      | 639736        | 3        | 5           | 80      | 1259             | 1517             | 1381             | 6670789        | 6315790                   | 6947368                 |
| 12      | 634228        | 2        | 5           | 70      | 1422             | 1084             | 0                | 7309174        | 6947369                   | 7578947                 |
| 13      | 712189        | 1        | 5           | 100     | 1858             | 0                | 0                | 8023869        | 7578948                   | 8210526                 |
| 14      | 533208        | 1        | 5           | 70      | 1852             | 0                | 0                | 8558935        | 8210527                   | 8842105                 |
| 15      | 577746        | 2        | 5           | 70      | 1817             | 1843             | 0                | 9138533        | 8842106                   | 9473684                 |
| 16      | 490975        | 3        | 5           | 90      | 1514             | 1736             | 1219             | 9633168        | 9473685                   | 10105263                |
| 17      | 1023967       | 3        | 5           | 50      | 1860             | 1116             | 1637             | 10661604       | 10105264                  | 10736842                |
| 18      | 531601        | 2        | 5           | 55      | 1523             | 1615             | 0                | 11197818       | 10736843                  | 11368421                |
| 19      | 529850        | 2        | 5           | 70      | 1265             | 1423             | 0                | 11730806       | 11368422                  | 12000000                |

Total number of pulses in waveform = 40

\*\*\*\*\*



## Type 5 Radar Waveform\_5

Num of Bursts = 18  
Burst Interval (us)= 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 469130        | 2        | 19          | 85      | 1656             | 1253             | 0                | 469130         | 0                         | 666666                  |
| 2       | 318009        | 1        | 19          | 55      | 1029             | 0                | 0                | 790048         | 666667                    | 1333333                 |
| 3       | 1180491       | 1        | 19          | 75      | 1000             | 0                | 0                | 1971568        | 1333334                   | 2000000                 |
| 4       | 505046        | 3        | 19          | 100     | 1149             | 1106             | 1149             | 2477614        | 2000001                   | 2666667                 |
| 5       | 263916        | 2        | 19          | 55      | 1564             | 1709             | 0                | 2744934        | 2666668                   | 3333334                 |
| 6       | 983034        | 2        | 19          | 70      | 1657             | 1468             | 0                | 3731241        | 3333335                   | 4000001                 |
| 7       | 834540        | 1        | 19          | 60      | 1073             | 0                | 0                | 4568906        | 4000002                   | 4666668                 |
| 8       | 554484        | 2        | 19          | 75      | 1899             | 1476             | 0                | 5124463        | 4666669                   | 5333335                 |
| 9       | 523245        | 2        | 19          | 95      | 1570             | 1900             | 0                | 5651083        | 5333336                   | 6000002                 |
| 10      | 402744        | 3        | 19          | 95      | 1117             | 1712             | 1053             | 6057297        | 6000003                   | 6666669                 |
| 11      | 631055        | 2        | 19          | 55      | 1078             | 1658             | 0                | 6692234        | 6666670                   | 7333336                 |
| 12      | 883421        | 3        | 19          | 100     | 1177             | 1813             | 1095             | 7578391        | 7333337                   | 8000003                 |
| 13      | 755061        | 1        | 19          | 80      | 1568             | 0                | 0                | 8337537        | 8000004                   | 8666670                 |
| 14      | 722917        | 2        | 19          | 75      | 1766             | 1971             | 0                | 9062022        | 8666671                   | 9333337                 |
| 15      | 500023        | 3        | 19          | 60      | 1021             | 1851             | 1895             | 9565782        | 9333338                   | 10000004                |
| 16      | 756311        | 2        | 19          | 55      | 1269             | 1306             | 0                | 10326860       | 10000005                  | 10666671                |
| 17      | 433739        | 3        | 19          | 55      | 1217             | 1504             | 1148             | 10763174       | 10666672                  | 11333338                |
| 18      | 930212        | 1        | 19          | 70      | 1033             | 0                | 0                | 11697255       | 11333339                  | 12000005                |

Total number of pulses in waveform = 36

\*\*\*\*\*

## Type 5 Radar Waveform\_6

Num of Bursts = 16  
Burst Interval (us)= 750000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 345272        | 1        | 9           | 65      | 1136             | 0                | 0                | 345272         | 0                         | 749999                  |
| 2       | 568692        | 1        | 9           | 80      | 1539             | 0                | 0                | 915100         | 750000                    | 1499999                 |
| 3       | 1292834       | 1        | 9           | 65      | 1474             | 0                | 0                | 2209473        | 1500000                   | 2249999                 |
| 4       | 682970        | 2        | 9           | 80      | 1573             | 1977             | 0                | 2893917        | 2250000                   | 2999999                 |
| 5       | 389016        | 2        | 9           | 100     | 1070             | 1372             | 0                | 3286483        | 3000000                   | 3749999                 |
| 6       | 504850        | 2        | 9           | 95      | 1343             | 1914             | 0                | 3793775        | 3750000                   | 4499999                 |
| 7       | 1328345       | 2        | 9           | 85      | 1581             | 1990             | 0                | 5125377        | 4500000                   | 5249999                 |
| 8       | 578163        | 1        | 9           | 65      | 1622             | 0                | 0                | 5707111        | 5250000                   | 5999999                 |
| 9       | 939327        | 1        | 9           | 90      | 1301             | 0                | 0                | 6648060        | 6000000                   | 6749999                 |
| 10      | 610481        | 1        | 9           | 65      | 1136             | 0                | 0                | 7259842        | 6750000                   | 7499999                 |
| 11      | 417321        | 3        | 9           | 100     | 1807             | 1534             | 1722             | 7678299        | 7500000                   | 8249999                 |
| 12      | 849384        | 3        | 9           | 60      | 1813             | 1976             | 1589             | 8532746        | 8250000                   | 8999999                 |
| 13      | 1049338       | 1        | 9           | 80      | 1112             | 0                | 0                | 9587462        | 9000000                   | 9749999                 |
| 14      | 605628        | 3        | 9           | 95      | 1946             | 1969             | 1188             | 10194202       | 9750000                   | 10499999                |
| 15      | 478827        | 2        | 9           | 60      | 1508             | 1083             | 0                | 10678132       | 10500000                  | 11249999                |
| 16      | 852408        | 3        | 9           | 75      | 1692             | 1584             | 1457             | 11533131       | 11250000                  | 11999999                |

Total number of pulses in waveform = 29

\*\*\*\*\*

## Type 5 Radar Waveform\_7

Num of Bursts = 11  
Burst Interval (us)= 1090909

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 472232        | 1        | 14          | 65      | 1899             | 0                | 0                | 472232         | 0                         | 1090908                 |
| 2       | 714773        | 1        | 14          | 50      | 1613             | 0                | 0                | 1188904        | 1090909                   | 2181817                 |
| 3       | 1067013       | 1        | 14          | 60      | 1609             | 0                | 0                | 2257530        | 2181818                   | 3272726                 |
| 4       | 1768217       | 1        | 14          | 70      | 1103             | 0                | 0                | 4027356        | 3272727                   | 4363635                 |
| 5       | 757445        | 3        | 14          | 85      | 1588             | 1311             | 1032             | 4785904        | 4363636                   | 5454544                 |
| 6       | 942519        | 1        | 14          | 85      | 1154             | 0                | 0                | 5732354        | 5454545                   | 6545453                 |
| 7       | 1276321       | 3        | 14          | 55      | 1180             | 1638             | 1493             | 7009829        | 6545454                   | 7636362                 |
| 8       | 1578791       | 2        | 14          | 50      | 1095             | 1961             | 0                | 8592931        | 7636363                   | 8727271                 |
| 9       | 394435        | 2        | 14          | 95      | 1270             | 1201             | 0                | 8990422        | 8727272                   | 9818180                 |
| 10      | 1898701       | 1        | 14          | 70      | 1182             | 0                | 0                | 10891594       | 9818181                   | 10909089                |
| 11      | 896768        | 3        | 14          | 65      | 1676             | 1384             | 1061             | 11789544       | 10909090                  | 11999998                |

Total number of pulses in waveform = 19

\*\*\*\*\*



## Type 5 Radar Waveform\_8

Num of Bursts = 15  
Burst Interval (us) = 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 754045        | 1        | 8           | 80      | 1884             | 0                | 0                | 754045         | 0                         | 799999                  |
| 2       | 839211        | 1        | 8           | 85      | 1969             | 0                | 0                | 1595140        | 800000                    | 1599999                 |
| 3       | 173392        | 1        | 8           | 55      | 1038             | 0                | 0                | 1770501        | 1600000                   | 2399999                 |
| 4       | 1221197       | 1        | 8           | 100     | 1004             | 0                | 0                | 2992736        | 2400000                   | 3199999                 |
| 5       | 704787        | 3        | 8           | 80      | 1408             | 1675             | 1342             | 3698527        | 3200000                   | 3999999                 |
| 6       | 636166        | 3        | 8           | 100     | 1259             | 1764             | 1211             | 4339118        | 4000000                   | 4799999                 |
| 7       | 468015        | 3        | 8           | 85      | 1582             | 1281             | 1514             | 4811367        | 4800000                   | 5599999                 |
| 8       | 935704        | 2        | 8           | 75      | 1521             | 1020             | 0                | 5751448        | 5600000                   | 6399999                 |
| 9       | 1114271       | 2        | 8           | 90      | 1422             | 1999             | 0                | 6868260        | 6400000                   | 7199999                 |
| 10      | 454516        | 1        | 8           | 65      | 1943             | 0                | 0                | 7326197        | 7200000                   | 7999999                 |
| 11      | 1214507       | 1        | 8           | 100     | 1668             | 0                | 0                | 8542647        | 8000000                   | 8799999                 |
| 12      | 294777        | 3        | 8           | 80      | 1632             | 1718             | 1385             | 8839092        | 8800000                   | 9599999                 |
| 13      | 827671        | 3        | 8           | 85      | 1136             | 1926             | 1910             | 9671498        | 9600000                   | 10399999                |
| 14      | 1051142       | 2        | 8           | 85      | 1024             | 1104             | 0                | 10727612       | 10400000                  | 11199999                |
| 15      | 1199246       | 3        | 8           | 55      | 1385             | 1920             | 1646             | 11928986       | 11200000                  | 11999999                |

Total number of pulses in waveform = 30

\*\*\*\*\*

## Type 5 Radar Waveform\_9

Num of Bursts = 12  
Burst Interval (us) = 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 117494        | 2        | 18          | 70      | 1102             | 1358             | 0                | 117494         | 0                         | 999999                  |
| 2       | 1628739       | 2        | 18          | 55      | 1292             | 1948             | 0                | 1748693        | 1000000                   | 1999999                 |
| 3       | 1161570       | 3        | 18          | 90      | 1188             | 1751             | 1743             | 2913503        | 2000000                   | 2999999                 |
| 4       | 998737        | 2        | 18          | 70      | 1340             | 1086             | 0                | 3916922        | 3000000                   | 3999999                 |
| 5       | 583399        | 1        | 18          | 95      | 1234             | 0                | 0                | 4502747        | 4000000                   | 4999999                 |
| 6       | 1216390       | 3        | 18          | 75      | 1429             | 1359             | 1549             | 5720371        | 5000000                   | 5999999                 |
| 7       | 993658        | 3        | 18          | 50      | 1140             | 1846             | 1288             | 6718366        | 6000000                   | 6999999                 |
| 8       | 796381        | 3        | 18          | 50      | 1887             | 1081             | 1480             | 7519021        | 7000000                   | 7999999                 |
| 9       | 1341540       | 1        | 18          | 55      | 1110             | 0                | 0                | 8865009        | 8000000                   | 8999999                 |
| 10      | 252472        | 1        | 18          | 65      | 1451             | 0                | 0                | 9118591        | 9000000                   | 9999999                 |
| 11      | 1728719       | 3        | 18          | 70      | 1271             | 1867             | 1486             | 10848761       | 10000000                  | 10999999                |
| 12      | 943295        | 3        | 18          | 50      | 1500             | 1252             | 1426             | 11796680       | 11000000                  | 11999999                |

Total number of pulses in waveform = 27

\*\*\*\*\*

## Type 5 Radar Waveform\_10

Num of Bursts = 14  
Burst Interval (us) = 857143

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 111404        | 2        | 10          | 80      | 1153             | 1196             | 0                | 111404         | 0                         | 857142                  |
| 2       | 814364        | 1        | 10          | 50      | 1326             | 0                | 0                | 928117         | 857143                    | 1714285                 |
| 3       | 785400        | 1        | 10          | 90      | 1505             | 0                | 0                | 1714843        | 1714286                   | 2571428                 |
| 4       | 904327        | 3        | 10          | 90      | 1141             | 1211             | 1153             | 2620675        | 2571429                   | 3428571                 |
| 5       | 818867        | 2        | 10          | 50      | 1643             | 1575             | 0                | 3443047        | 3428572                   | 4285714                 |
| 6       | 1509977       | 3        | 10          | 60      | 1511             | 1033             | 1830             | 4956242        | 4285715                   | 5142857                 |
| 7       | 539989        | 2        | 10          | 75      | 1521             | 1639             | 0                | 5500605        | 5142858                   | 6000000                 |
| 8       | 630990        | 3        | 10          | 100     | 1300             | 1086             | 1595             | 6134755        | 6000001                   | 6857143                 |
| 9       | 1563567       | 1        | 10          | 85      | 1374             | 0                | 0                | 7702303        | 6857144                   | 7714286                 |
| 10      | 358916        | 2        | 10          | 65      | 1011             | 1343             | 0                | 8062593        | 7714287                   | 8571429                 |
| 11      | 1347220       | 3        | 10          | 90      | 1570             | 1194             | 1149             | 9412167        | 8571430                   | 9428572                 |
| 12      | 451177        | 3        | 10          | 70      | 1678             | 1926             | 1349             | 9867257        | 9428573                   | 10285715                |
| 13      | 560058        | 3        | 10          | 95      | 1103             | 1146             | 1002             | 10432268       | 10285716                  | 11142858                |
| 14      | 930214        | 2        | 10          | 60      | 1052             | 1524             | 0                | 11365733       | 11142859                  | 12000001                |

Total number of pulses in waveform = 31

\*\*\*\*\*



## Type 5 Radar Waveform\_11

Num of Bursts = 13  
Burst Interval (us)= 923077

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 875032        | 2        | 9           | 55      | 1994             | 1018             | 0                | 875032         | 0                         | 923076                  |
| 2       | 836441        | 1        | 9           | 50      | 1657             | 0                | 0                | 1714485        | 923077                    | 1846153                 |
| 3       | 353876        | 1        | 9           | 75      | 1620             | 0                | 0                | 2070018        | 1846154                   | 2769230                 |
| 4       | 1044414       | 1        | 9           | 55      | 1597             | 0                | 0                | 3116052        | 2769231                   | 3692307                 |
| 5       | 1283627       | 2        | 9           | 90      | 1776             | 1406             | 0                | 4401276        | 3692308                   | 4615384                 |
| 6       | 1038272       | 1        | 9           | 95      | 1683             | 0                | 0                | 5442730        | 4615385                   | 5538461                 |
| 7       | 724389        | 2        | 9           | 50      | 1342             | 1874             | 0                | 6168802        | 5538462                   | 6461538                 |
| 8       | 961358        | 3        | 9           | 50      | 1948             | 1372             | 1623             | 7133376        | 6461539                   | 7384615                 |
| 9       | 923961        | 2        | 9           | 55      | 1887             | 1329             | 0                | 8062280        | 7384616                   | 8307692                 |
| 10      | 486336        | 2        | 9           | 65      | 1708             | 1989             | 0                | 8551832        | 8307693                   | 9230769                 |
| 11      | 1479262       | 3        | 9           | 65      | 1311             | 1039             | 1400             | 10034791       | 9230770                   | 10153846                |
| 12      | 391486        | 1        | 9           | 70      | 1584             | 0                | 0                | 10430027       | 10153847                  | 11076923                |
| 13      | 1322948       | 3        | 9           | 70      | 1281             | 1606             | 1032             | 11754559       | 11076924                  | 12000000                |

Total number of pulses in waveform = 24

\*\*\*\*\*

## Type 5 Radar Waveform\_12

Num of Bursts = 15  
Burst Interval (us)= 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 612143        | 1        | 14          | 65      | 1829             | 0                | 0                | 612143         | 0                         | 799999                  |
| 2       | 878771        | 2        | 14          | 55      | 1319             | 1690             | 0                | 1492743        | 800000                    | 1599999                 |
| 3       | 633907        | 3        | 14          | 100     | 1063             | 1800             | 1888             | 2129659        | 1600000                   | 2399999                 |
| 4       | 607370        | 2        | 14          | 60      | 1998             | 1611             | 0                | 2741780        | 2400000                   | 3199999                 |
| 5       | 550091        | 3        | 14          | 70      | 1531             | 1406             | 1726             | 3295480        | 3200000                   | 3999999                 |
| 6       | 1372614       | 1        | 14          | 80      | 1082             | 0                | 0                | 4672757        | 4000000                   | 4799999                 |
| 7       | 150178        | 3        | 14          | 85      | 1712             | 1441             | 1648             | 4824017        | 4800000                   | 5599999                 |
| 8       | 1037788       | 1        | 14          | 95      | 1863             | 0                | 0                | 5866606        | 5600000                   | 6399999                 |
| 9       | 744344        | 2        | 14          | 75      | 1558             | 1525             | 0                | 6612813        | 6400000                   | 7199999                 |
| 10      | 657576        | 1        | 14          | 100     | 1372             | 0                | 0                | 7273472        | 7200000                   | 7999999                 |
| 11      | 1496553       | 2        | 14          | 55      | 1121             | 1366             | 0                | 8771397        | 8000000                   | 8799999                 |
| 12      | 322420        | 1        | 14          | 70      | 1216             | 0                | 0                | 9096304        | 8800000                   | 9599999                 |
| 13      | 740437        | 2        | 14          | 95      | 1057             | 1084             | 0                | 9837957        | 9600000                   | 10399999                |
| 14      | 1328968       | 2        | 14          | 100     | 1162             | 1461             | 0                | 11169066       | 10400000                  | 11199999                |
| 15      | 379347        | 2        | 14          | 80      | 1501             | 1353             | 0                | 11551036       | 11200000                  | 11999999                |

Total number of pulses in waveform = 28

\*\*\*\*\*

## Type 5 Radar Waveform\_13

Num of Bursts = 19  
Burst Interval (us)= 631579

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 36238         | 1        | 10          | 90      | 1514             | 0                | 0                | 36238          | 0                         | 631578                  |
| 2       | 860456        | 3        | 10          | 75      | 1392             | 1943             | 1944             | 898208         | 631579                    | 1263157                 |
| 3       | 528469        | 1        | 10          | 95      | 1512             | 0                | 0                | 1431956        | 1263158                   | 1894736                 |
| 4       | 701101        | 1        | 10          | 95      | 1984             | 0                | 0                | 2134569        | 1894737                   | 2526315                 |
| 5       | 934606        | 3        | 10          | 85      | 1011             | 1236             | 1043             | 3071159        | 2526316                   | 3157894                 |
| 6       | 573199        | 2        | 10          | 80      | 1278             | 1558             | 0                | 3647648        | 3157895                   | 3789473                 |
| 7       | 328359        | 2        | 10          | 65      | 1286             | 1354             | 0                | 3978843        | 3789474                   | 4421052                 |
| 8       | 1024849       | 3        | 10          | 80      | 1131             | 1345             | 1129             | 5006332        | 4421053                   | 5052631                 |
| 9       | 178227        | 3        | 10          | 70      | 1300             | 1196             | 1817             | 5188164        | 5052632                   | 5684210                 |
| 10      | 563849        | 3        | 10          | 85      | 1566             | 1737             | 1741             | 5756326        | 5684211                   | 6315789                 |
| 11      | 1180005       | 1        | 10          | 75      | 1904             | 0                | 0                | 6941375        | 6315790                   | 6947368                 |
| 12      | 345755        | 3        | 10          | 55      | 1299             | 1092             | 1761             | 7289034        | 6947369                   | 7578947                 |
| 13      | 632057        | 1        | 10          | 85      | 1946             | 0                | 0                | 7925243        | 7578948                   | 8210526                 |
| 14      | 303413        | 1        | 10          | 65      | 1964             | 0                | 0                | 8230602        | 8210527                   | 8842105                 |
| 15      | 1037000       | 3        | 10          | 80      | 1559             | 1668             | 1906             | 9269566        | 8842106                   | 9473684                 |
| 16      | 587318        | 1        | 10          | 55      | 1852             | 0                | 0                | 9862017        | 9473685                   | 10105263                |
| 17      | 469820        | 1        | 10          | 50      | 1347             | 0                | 0                | 10333689       | 10105264                  | 10736842                |
| 18      | 651626        | 2        | 10          | 60      | 1177             | 1522             | 0                | 10986662       | 10736843                  | 11368421                |
| 19      | 969108        | 2        | 10          | 55      | 1324             | 1275             | 0                | 11958469       | 11368422                  | 12000000                |

Total number of pulses in waveform = 37

\*\*\*\*\*

**Type 5 Radar Waveform\_14**

Num of Bursts = 8  
Burst Interval (us)= 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 189168        | 1        | 6           | 90      | 1662            | 0               | 0               | 189168         | 0                        | 1499999                |
| 2       | 1855483       | 1        | 6           | 80      | 1902            | 0               | 0               | 2046313        | 1500000                  | 2999999                |
| 3       | 1684741       | 2        | 6           | 90      | 1726            | 1226            | 0               | 3732956        | 3000000                  | 4499999                |
| 4       | 2222158       | 3        | 6           | 85      | 1196            | 1489            | 1052            | 5958066        | 4500000                  | 5999999                |
| 5       | 564076        | 2        | 6           | 90      | 1542            | 1057            | 0               | 6525879        | 6000000                  | 7499999                |
| 6       | 986449        | 2        | 6           | 65      | 1855            | 1457            | 0               | 7514927        | 7500000                  | 8999999                |
| 7       | 2786500       | 2        | 6           | 60      | 1205            | 1600            | 0               | 10304739       | 9000000                  | 10499999               |
| 8       | 533360        | 2        | 6           | 90      | 1510            | 1228            | 0               | 10840904       | 10500000                 | 11999999               |

Total number of pulses in waveform = 15

\*\*\*\*\*

**Type 5 Radar Waveform\_15**

Num of Bursts = 12  
Burst Interval (us)= 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 80178         | 3        | 19          | 50      | 1028            | 1312            | 1185            | 80178          | 0                        | 999999                 |
| 2       | 1263557       | 3        | 19          | 70      | 1537            | 1919            | 1033            | 1347260        | 1000000                  | 1999999                |
| 3       | 1122768       | 1        | 19          | 90      | 1511            | 0               | 0               | 2474517        | 2000000                  | 2999999                |
| 4       | 993221        | 1        | 19          | 55      | 1485            | 0               | 0               | 3469249        | 3000000                  | 3999999                |
| 5       | 1260766       | 3        | 19          | 80      | 1176            | 1653            | 1316            | 4731500        | 4000000                  | 4999999                |
| 6       | 753130        | 1        | 19          | 60      | 1915            | 0               | 0               | 5488775        | 5000000                  | 5999999                |
| 7       | 1386154       | 3        | 19          | 90      | 1550            | 1828            | 1654            | 6876844        | 6000000                  | 6999999                |
| 8       | 720877        | 1        | 19          | 85      | 1428            | 0               | 0               | 7602753        | 7000000                  | 7999999                |
| 9       | 1120651       | 1        | 19          | 60      | 1188            | 0               | 0               | 8724832        | 8000000                  | 8999999                |
| 10      | 610019        | 1        | 19          | 60      | 1662            | 0               | 0               | 9336039        | 9000000                  | 9999999                |
| 11      | 903008        | 1        | 19          | 100     | 1809            | 0               | 0               | 10240709       | 10000000                 | 10999999               |
| 12      | 759002        | 3        | 19          | 80      | 1519            | 1997            | 1224            | 11001520       | 11000000                 | 11999999               |

Total number of pulses in waveform = 22

\*\*\*\*\*

**Type 5 Radar Waveform\_16**

Num of Bursts = 18  
Burst Interval (us)= 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 193237        | 1        | 18          | 95      | 1350            | 0               | 0               | 193237         | 0                        | 666666                 |
| 2       | 1020989       | 2        | 18          | 100     | 1543            | 1590            | 0               | 1215576        | 666667                   | 1333333                |
| 3       | 307648        | 3        | 18          | 50      | 1317            | 1736            | 1358            | 1526357        | 1333334                  | 2000000                |
| 4       | 897339        | 3        | 18          | 80      | 1549            | 1723            | 1664            | 2428107        | 2000001                  | 2666667                |
| 5       | 629943        | 3        | 18          | 95      | 1871            | 1896            | 1297            | 3062986        | 2666668                  | 3333334                |
| 6       | 548075        | 2        | 18          | 75      | 1039            | 1756            | 0               | 3616125        | 3333335                  | 4000001                |
| 7       | 854470        | 2        | 18          | 100     | 1703            | 1191            | 0               | 4473390        | 4000002                  | 4666668                |
| 8       | 454007        | 2        | 18          | 65      | 1527            | 1988            | 0               | 4930291        | 4666669                  | 5333335                |
| 9       | 636468        | 2        | 18          | 55      | 1242            | 1067            | 0               | 5570274        | 5333336                  | 6000002                |
| 10      | 851821        | 2        | 18          | 70      | 1029            | 1318            | 0               | 6424404        | 6000003                  | 6666669                |
| 11      | 439656        | 3        | 18          | 60      | 1147            | 1207            | 1119            | 6866407        | 6666670                  | 7333336                |
| 12      | 868599        | 2        | 18          | 50      | 1929            | 1549            | 0               | 7738479        | 7333337                  | 8000003                |
| 13      | 365727        | 2        | 18          | 75      | 1684            | 1219            | 0               | 8107684        | 8000004                  | 8666670                |
| 14      | 1027937       | 1        | 18          | 55      | 1935            | 0               | 0               | 9138524        | 8666671                  | 9333337                |
| 15      | 478049        | 2        | 18          | 100     | 1161            | 1718            | 0               | 9618508        | 9333338                  | 10000004               |
| 16      | 1000877       | 2        | 18          | 100     | 1429            | 1378            | 0               | 10622264       | 10000005                 | 10666671               |
| 17      | 65368         | 3        | 18          | 50      | 1994            | 1292            | 1244            | 10690439       | 10666672                 | 11333338               |
| 18      | 1020198       | 1        | 18          | 95      | 1457            | 0               | 0               | 11715167       | 11333339                 | 12000005               |

Total number of pulses in waveform = 38

\*\*\*\*\*



## Type 5 Radar Waveform\_17

Num of Bursts = 17  
Burst Interval (us) = 705882

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 352961        | 3        | 5           | 60      | 1835             | 1740             | 1995             | 352961         | 0                         | 705881                  |
| 2       | 355081        | 2        | 5           | 100     | 1249             | 1542             | 0                | 713612         | 705882                    | 1411763                 |
| 3       | 714856        | 2        | 5           | 65      | 1068             | 1706             | 0                | 1431259        | 1411764                   | 2117645                 |
| 4       | 1012309       | 3        | 5           | 100     | 1666             | 1921             | 1740             | 2446342        | 2117646                   | 2823527                 |
| 5       | 681779        | 3        | 5           | 75      | 1174             | 1988             | 1571             | 3133448        | 2823528                   | 3529409                 |
| 6       | 924206        | 3        | 5           | 65      | 1940             | 1750             | 1176             | 4062387        | 3529410                   | 4235291                 |
| 7       | 477082        | 1        | 5           | 55      | 1687             | 0                | 0                | 4544335        | 4235292                   | 4941173                 |
| 8       | 670147        | 2        | 5           | 100     | 1796             | 1220             | 0                | 5216169        | 4941174                   | 5647055                 |
| 9       | 968569        | 3        | 5           | 80      | 1368             | 1118             | 1225             | 6187754        | 5647056                   | 6352937                 |
| 10      | 332462        | 3        | 5           | 95      | 1707             | 1767             | 1101             | 6523927        | 6352938                   | 7058819                 |
| 11      | 1186127       | 1        | 5           | 95      | 1080             | 0                | 0                | 7714629        | 7058820                   | 7764701                 |
| 12      | 73480         | 3        | 5           | 65      | 1898             | 1925             | 1191             | 7789189        | 7764702                   | 8470583                 |
| 13      | 1296953       | 2        | 5           | 95      | 1148             | 1110             | 0                | 9091156        | 8470584                   | 9176465                 |
| 14      | 546387        | 1        | 5           | 75      | 1374             | 0                | 0                | 9639801        | 9176466                   | 9882347                 |
| 15      | 513920        | 3        | 5           | 50      | 1527             | 1554             | 1375             | 10155095       | 9882348                   | 10588229                |
| 16      | 829167        | 2        | 5           | 90      | 1255             | 1023             | 0                | 10988718       | 10588230                  | 11294111                |
| 17      | 854732        | 1        | 5           | 55      | 1758             | 0                | 0                | 11845728       | 11294112                  | 11999993                |

Total number of pulses in waveform = 38

\*\*\*\*\*

## Type 5 Radar Waveform\_18

Num of Bursts = 12  
Burst Interval (us) = 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 760119        | 2        | 8           | 60      | 1572             | 1421             | 0                | 760119         | 0                         | 999999                  |
| 2       | 704170        | 1        | 8           | 80      | 1296             | 0                | 0                | 1467282        | 1000000                   | 1999999                 |
| 3       | 1175523       | 3        | 8           | 100     | 1979             | 1486             | 1528             | 2644101        | 2000000                   | 2999999                 |
| 4       | 939503        | 3        | 8           | 85      | 1843             | 1806             | 1652             | 3588597        | 3000000                   | 3999999                 |
| 5       | 977799        | 1        | 8           | 75      | 1946             | 0                | 0                | 4571697        | 4000000                   | 4999999                 |
| 6       | 939520        | 1        | 8           | 90      | 1813             | 0                | 0                | 5513163        | 5000000                   | 5999999                 |
| 7       | 667054        | 2        | 8           | 70      | 1571             | 1572             | 0                | 6182030        | 6000000                   | 6999999                 |
| 8       | 1748019       | 2        | 8           | 50      | 1028             | 1656             | 0                | 7933192        | 7000000                   | 7999999                 |
| 9       | 870421        | 1        | 8           | 75      | 1638             | 0                | 0                | 8806297        | 8000000                   | 8999999                 |
| 10      | 916652        | 3        | 8           | 60      | 1267             | 1762             | 1716             | 9724587        | 9000000                   | 9999999                 |
| 11      | 608206        | 2        | 8           | 95      | 1063             | 1225             | 0                | 10337538       | 10000000                  | 10999999                |
| 12      | 1561257       | 1        | 8           | 75      | 1819             | 0                | 0                | 11901083       | 11000000                  | 11999999                |

Total number of pulses in waveform = 22

\*\*\*\*\*

## Type 5 Radar Waveform\_19

Num of Bursts = 8  
Burst Interval (us) = 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 419445        | 3        | 12          | 90      | 1396             | 1958             | 1570             | 419445         | 0                         | 1499999                 |
| 2       | 2032931       | 1        | 12          | 90      | 1428             | 0                | 0                | 2457300        | 1500000                   | 2999999                 |
| 3       | 1935121       | 2        | 12          | 85      | 1049             | 1042             | 0                | 4393849        | 3000000                   | 4499999                 |
| 4       | 1134237       | 1        | 12          | 55      | 1053             | 0                | 0                | 5530177        | 4500000                   | 5999999                 |
| 5       | 608560        | 2        | 12          | 70      | 1861             | 1225             | 0                | 6139790        | 6000000                   | 7499999                 |
| 6       | 2204909       | 3        | 12          | 100     | 1629             | 1454             | 1683             | 8347785        | 7500000                   | 8999999                 |
| 7       | 880372        | 1        | 12          | 75      | 1723             | 0                | 0                | 9232923        | 9000000                   | 10499999                |
| 8       | 2365290       | 3        | 12          | 50      | 1163             | 1344             | 1278             | 11599936       | 10500000                  | 11999999                |

Total number of pulses in waveform = 16

\*\*\*\*\*



## Type 5 Radar Waveform\_20

Num of Bursts = 15  
Burst Interval (us)= 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 607358        | 3        | 17          | 75      | 1520             | 1275             | 1857             | 607358         | 0                         | 799999                  |
| 2       | 751308        | 2        | 17          | 100     | 1867             | 1375             | 0                | 1363318        | 800000                    | 1599999                 |
| 3       | 810343        | 1        | 17          | 55      | 1306             | 0                | 0                | 2176903        | 1600000                   | 2399999                 |
| 4       | 855994        | 1        | 17          | 100     | 1226             | 0                | 0                | 3034203        | 2400000                   | 3199999                 |
| 5       | 930560        | 1        | 17          | 85      | 1202             | 0                | 0                | 3965989        | 3200000                   | 3999999                 |
| 6       | 563023        | 1        | 17          | 75      | 1845             | 0                | 0                | 4530214        | 4000000                   | 4799999                 |
| 7       | 652729        | 2        | 17          | 65      | 1445             | 1982             | 0                | 5184788        | 4800000                   | 5599999                 |
| 8       | 633949        | 1        | 17          | 90      | 1146             | 0                | 0                | 5822164        | 5600000                   | 6399999                 |
| 9       | 1207179       | 3        | 17          | 70      | 1373             | 1821             | 1659             | 7030489        | 6400000                   | 7199999                 |
| 10      | 267339        | 3        | 17          | 55      | 1726             | 1057             | 1633             | 7302681        | 7200000                   | 7999999                 |
| 11      | 1487871       | 1        | 17          | 80      | 1629             | 0                | 0                | 8794968        | 8000000                   | 8799999                 |
| 12      | 32062         | 3        | 17          | 55      | 1962             | 1870             | 1389             | 8828659        | 8800000                   | 9599999                 |
| 13      | 1474003       | 2        | 17          | 75      | 1837             | 1941             | 0                | 10307883       | 9600000                   | 10399999                |
| 14      | 366312        | 3        | 17          | 70      | 1962             | 1479             | 1412             | 10677973       | 10400000                  | 11199999                |
| 15      | 707149        | 3        | 17          | 55      | 1698             | 1227             | 1861             | 11389975       | 11200000                  | 11999999                |

Total number of pulses in waveform = 30

\*\*\*\*\*

## Type 5 Radar Waveform\_21

Num of Bursts = 15  
Burst Interval (us)= 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 60193         | 1        | 10          | 90      | 1331             | 0                | 0                | 60193          | 0                         | 799999                  |
| 2       | 1298798       | 2        | 10          | 70      | 1950             | 1626             | 0                | 1360322        | 800000                    | 1599999                 |
| 3       | 998310        | 1        | 10          | 50      | 1288             | 0                | 0                | 2362208        | 1600000                   | 2399999                 |
| 4       | 776963        | 1        | 10          | 90      | 1182             | 0                | 0                | 3140459        | 2400000                   | 3199999                 |
| 5       | 422721        | 3        | 10          | 75      | 1869             | 1914             | 1711             | 3564362        | 3200000                   | 3999999                 |
| 6       | 758666        | 3        | 10          | 55      | 1413             | 1574             | 1655             | 4328522        | 4000000                   | 4799999                 |
| 7       | 1112563       | 1        | 10          | 80      | 1154             | 0                | 0                | 5445727        | 4800000                   | 5599999                 |
| 8       | 775325        | 2        | 10          | 50      | 1013             | 1945             | 0                | 6222206        | 5600000                   | 6399999                 |
| 9       | 628201        | 1        | 10          | 65      | 1382             | 0                | 0                | 6853365        | 6400000                   | 7199999                 |
| 10      | 370787        | 2        | 10          | 50      | 1841             | 1881             | 0                | 7225534        | 7200000                   | 7999999                 |
| 11      | 1386083       | 1        | 10          | 100     | 1509             | 0                | 0                | 8615339        | 8000000                   | 8799999                 |
| 12      | 381813        | 1        | 10          | 55      | 1371             | 0                | 0                | 8998661        | 8800000                   | 9599999                 |
| 13      | 652561        | 2        | 10          | 55      | 1417             | 1344             | 0                | 9652593        | 9600000                   | 10399999                |
| 14      | 1058813       | 3        | 10          | 90      | 1259             | 1768             | 1314             | 10714167       | 10400000                  | 11199999                |
| 15      | 993901        | 1        | 10          | 90      | 1196             | 0                | 0                | 11712409       | 11200000                  | 11999999                |

Total number of pulses in waveform = 25

\*\*\*\*\*

## Type 5 Radar Waveform\_22

Num of Bursts = 12  
Burst Interval (us)= 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 293705        | 1        | 14          | 65      | 1026             | 0                | 0                | 293705         | 0                         | 999999                  |
| 2       | 718371        | 3        | 14          | 90      | 1944             | 1712             | 1806             | 1013102        | 1000000                   | 1999999                 |
| 3       | 1240007       | 3        | 14          | 70      | 1905             | 1079             | 1015             | 2258571        | 2000000                   | 2999999                 |
| 4       | 1576771       | 1        | 14          | 60      | 1669             | 0                | 0                | 3839341        | 3000000                   | 3999999                 |
| 5       | 426954        | 3        | 14          | 100     | 1831             | 1254             | 1377             | 4267964        | 4000000                   | 4999999                 |
| 6       | 1319233       | 2        | 14          | 95      | 1238             | 1159             | 0                | 5591659        | 5000000                   | 5999999                 |
| 7       | 902150        | 3        | 14          | 60      | 1082             | 1859             | 1671             | 6496206        | 6000000                   | 6999999                 |
| 8       | 1347193       | 1        | 14          | 95      | 1161             | 0                | 0                | 7848011        | 7000000                   | 7999999                 |
| 9       | 1006218       | 1        | 14          | 70      | 1662             | 0                | 0                | 8855390        | 8000000                   | 8999999                 |
| 10      | 231617        | 1        | 14          | 50      | 1052             | 0                | 0                | 9088669        | 9000000                   | 9999999                 |
| 11      | 1110603       | 1        | 14          | 95      | 1738             | 0                | 0                | 10200324       | 10000000                  | 10999999                |
| 12      | 1201646       | 2        | 14          | 60      | 1292             | 1141             | 0                | 11403708       | 11000000                  | 11999999                |

Total number of pulses in waveform = 22

\*\*\*\*\*



## Type 5 Radar Waveform\_23

Num of Bursts = 14  
Burst Interval (us) = 857143

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 746911        | 1        | 18          | 100     | 1973             | 0                | 0                | 746911         | 0                         | 857142                  |
| 2       | 663356        | 3        | 18          | 65      | 1640             | 1986             | 1267             | 1412240        | 857143                    | 1714285                 |
| 3       | 1064593       | 1        | 18          | 80      | 1741             | 0                | 0                | 2481726        | 1714286                   | 2571428                 |
| 4       | 507939        | 2        | 18          | 85      | 1298             | 1086             | 0                | 2991406        | 2571429                   | 3428571                 |
| 5       | 926968        | 1        | 18          | 90      | 1377             | 0                | 0                | 3920758        | 3428572                   | 4285714                 |
| 6       | 429410        | 3        | 18          | 65      | 1886             | 1475             | 1682             | 4351545        | 4285715                   | 5142857                 |
| 7       | 1207372       | 1        | 18          | 65      | 1124             | 0                | 0                | 5563960        | 5142858                   | 6000000                 |
| 8       | 1152427       | 1        | 18          | 60      | 1141             | 0                | 0                | 6717511        | 6000001                   | 6857143                 |
| 9       | 185989        | 3        | 18          | 65      | 1823             | 1914             | 1558             | 6904641        | 6857144                   | 7714286                 |
| 10      | 1432846       | 3        | 18          | 65      | 1885             | 1929             | 1475             | 8342782        | 7714287                   | 8571429                 |
| 11      | 228502        | 2        | 18          | 65      | 1125             | 1613             | 0                | 8576573        | 8571430                   | 9428572                 |
| 12      | 935913        | 3        | 18          | 100     | 1205             | 1048             | 1557             | 9515224        | 9428573                   | 10285715                |
| 13      | 773121        | 3        | 18          | 60      | 1778             | 1235             | 1845             | 10292155       | 10285716                  | 11142858                |
| 14      | 1334414       | 3        | 18          | 95      | 1321             | 1144             | 1314             | 11631427       | 11142859                  | 12000001                |

Total number of pulses in waveform = 30

\*\*\*\*\*

## Type 5 Radar Waveform\_24

Num of Bursts = 17  
Burst Interval (us) = 705882

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 350087        | 3        | 12          | 70      | 1596             | 1575             | 1315             | 350087         | 0                         | 705881                  |
| 2       | 446260        | 2        | 12          | 85      | 1525             | 1431             | 0                | 800833         | 705882                    | 1411763                 |
| 3       | 721205        | 3        | 12          | 50      | 1527             | 1245             | 1105             | 1524994        | 1411764                   | 2117645                 |
| 4       | 1067189       | 1        | 12          | 55      | 1511             | 0                | 0                | 2596060        | 2117646                   | 2823527                 |
| 5       | 811913        | 3        | 12          | 70      | 1780             | 1978             | 1187             | 3409484        | 2823528                   | 3529409                 |
| 6       | 505355        | 3        | 12          | 50      | 1317             | 1764             | 1690             | 3919784        | 3529410                   | 4235291                 |
| 7       | 375025        | 3        | 12          | 70      | 1047             | 1725             | 1669             | 4299580        | 4235292                   | 4941173                 |
| 8       | 1333458       | 2        | 12          | 80      | 1076             | 1887             | 0                | 5637479        | 4941174                   | 5647055                 |
| 9       | 682977        | 1        | 12          | 85      | 1003             | 0                | 0                | 6323419        | 5647056                   | 6352937                 |
| 10      | 567313        | 2        | 12          | 65      | 1651             | 1741             | 0                | 6891735        | 6352938                   | 7058819                 |
| 11      | 340791        | 2        | 12          | 65      | 1617             | 1356             | 0                | 7235918        | 7058820                   | 7764701                 |
| 12      | 1092095       | 2        | 12          | 85      | 1030             | 1457             | 0                | 8330986        | 7764702                   | 8470583                 |
| 13      | 717831        | 2        | 12          | 80      | 1874             | 1834             | 0                | 9051304        | 8470584                   | 9176465                 |
| 14      | 427478        | 2        | 12          | 95      | 1196             | 1394             | 0                | 9482490        | 9176466                   | 9882347                 |
| 15      | 1079161       | 1        | 12          | 70      | 1345             | 0                | 0                | 10564241       | 9882348                   | 10588229                |
| 16      | 616766        | 2        | 12          | 100     | 1594             | 1615             | 0                | 11182352       | 10588230                  | 11294111                |
| 17      | 605631        | 3        | 12          | 95      | 1144             | 1304             | 1123             | 11791192       | 11294112                  | 11999993                |

Total number of pulses in waveform = 37

\*\*\*\*\*

## Type 5 Radar Waveform\_25

Num of Bursts = 17  
Burst Interval (us) = 705882

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 341695        | 3        | 8           | 70      | 1084             | 1971             | 1110             | 341695         | 0                         | 705881                  |
| 2       | 561964        | 2        | 8           | 55      | 1549             | 1003             | 0                | 907824         | 705882                    | 1411763                 |
| 3       | 1065484       | 2        | 8           | 90      | 1062             | 1877             | 0                | 1975860        | 1411764                   | 2117645                 |
| 4       | 351189        | 2        | 8           | 60      | 1181             | 1179             | 0                | 2329988        | 2117646                   | 2823527                 |
| 5       | 726054        | 2        | 8           | 55      | 1648             | 1703             | 0                | 3058402        | 2823528                   | 3529409                 |
| 6       | 951492        | 2        | 8           | 75      | 1162             | 1434             | 0                | 4013245        | 3529410                   | 4235291                 |
| 7       | 313192        | 2        | 8           | 95      | 1021             | 1134             | 0                | 4329033        | 4235292                   | 4941173                 |
| 8       | 993739        | 2        | 8           | 100     | 1351             | 1133             | 0                | 5324927        | 4941174                   | 5647055                 |
| 9       | 579689        | 3        | 8           | 100     | 1037             | 1049             | 1251             | 5907100        | 5647056                   | 6352937                 |
| 10      | 773097        | 2        | 8           | 85      | 1400             | 1687             | 0                | 6683534        | 6352938                   | 7058819                 |
| 11      | 894192        | 2        | 8           | 60      | 1331             | 1724             | 0                | 7580813        | 7058820                   | 7764701                 |
| 12      | 720974        | 3        | 8           | 100     | 1921             | 1244             | 1193             | 8304842        | 7764702                   | 8470583                 |
| 13      | 755630        | 1        | 8           | 90      | 1810             | 0                | 0                | 9064830        | 8470584                   | 9176465                 |
| 14      | 484677        | 1        | 8           | 80      | 1985             | 0                | 0                | 9551317        | 9176466                   | 9882347                 |
| 15      | 658974        | 2        | 8           | 100     | 1850             | 1336             | 0                | 10212276       | 9882348                   | 10588229                |
| 16      | 668160        | 3        | 8           | 85      | 1291             | 1788             | 1155             | 10883622       | 10588230                  | 11294111                |
| 17      | 594741        | 3        | 8           | 55      | 1397             | 1101             | 1137             | 11482597       | 11294112                  | 11999993                |

Total number of pulses in waveform = 37

\*\*\*\*\*



## Type 5 Radar Waveform\_26

Num of Bursts = 14  
Burst Interval (us)= 857143

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 501473        | 1        | 17          | 75      | 1705             | 0                | 0                | 501473         | 0                         | 857142                  |
| 2       | 868214        | 3        | 17          | 70      | 1201             | 1716             | 1400             | 1371392        | 857143                    | 1714285                 |
| 3       | 503585        | 2        | 17          | 55      | 1611             | 1104             | 0                | 1879294        | 1714286                   | 2571428                 |
| 4       | 736288        | 3        | 17          | 75      | 1092             | 1587             | 1842             | 2618297        | 2571429                   | 3428571                 |
| 5       | 1214205       | 3        | 17          | 55      | 1198             | 1578             | 1502             | 3837023        | 3428572                   | 4285714                 |
| 6       | 527679        | 2        | 17          | 50      | 1624             | 1642             | 0                | 4368980        | 4285715                   | 5142857                 |
| 7       | 1457478       | 3        | 17          | 80      | 1623             | 1415             | 1348             | 5829724        | 5142858                   | 6000000                 |
| 8       | 697027        | 1        | 17          | 65      | 1845             | 0                | 0                | 6531137        | 6000001                   | 6857143                 |
| 9       | 720930        | 3        | 17          | 60      | 1477             | 1388             | 1570             | 7253912        | 6857144                   | 7714286                 |
| 10      | 848593        | 3        | 17          | 90      | 1443             | 1087             | 1241             | 8106940        | 7714287                   | 8571429                 |
| 11      | 513758        | 3        | 17          | 80      | 1015             | 1532             | 1234             | 8624469        | 8571430                   | 9428572                 |
| 12      | 950610        | 3        | 17          | 50      | 1082             | 1386             | 1569             | 9578860        | 9428573                   | 10285715                |
| 13      | 896284        | 2        | 17          | 95      | 1589             | 1069             | 0                | 10479181       | 10285716                  | 11142858                |
| 14      | 683495        | 1        | 17          | 55      | 1665             | 0                | 0                | 11165334       | 11142859                  | 12000001                |

Total number of pulses in waveform = 33

\*\*\*\*\*

## Type 5 Radar Waveform\_27

Num of Bursts = 13  
Burst Interval (us)= 923077

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 560801        | 1        | 5           | 75      | 1780             | 0                | 0                | 560801         | 0                         | 923076                  |
| 2       | 770295        | 2        | 5           | 55      | 1377             | 1831             | 0                | 1332876        | 923077                    | 1846153                 |
| 3       | 679045        | 2        | 5           | 85      | 1228             | 1909             | 0                | 2015129        | 1846154                   | 2769230                 |
| 4       | 1640074       | 2        | 5           | 55      | 1347             | 1747             | 0                | 3658340        | 2769231                   | 3692307                 |
| 5       | 745521        | 3        | 5           | 65      | 1173             | 1386             | 1563             | 4406955        | 3692308                   | 4615384                 |
| 6       | 829240        | 1        | 5           | 55      | 1246             | 0                | 0                | 5240317        | 4615385                   | 5538461                 |
| 7       | 533928        | 3        | 5           | 80      | 1569             | 1753             | 1558             | 5775491        | 5538462                   | 6461538                 |
| 8       | 1483667       | 1        | 5           | 55      | 1879             | 0                | 0                | 7264038        | 6461539                   | 7384615                 |
| 9       | 188359        | 2        | 5           | 80      | 1750             | 1186             | 0                | 7454276        | 7384616                   | 8307692                 |
| 10      | 893330        | 3        | 5           | 100     | 1637             | 1224             | 1741             | 8350542        | 8307693                   | 9230769                 |
| 11      | 1244829       | 2        | 5           | 60      | 1355             | 1547             | 0                | 9599973        | 9230770                   | 10153846                |
| 12      | 862739        | 3        | 5           | 60      | 1380             | 1932             | 1245             | 10465614       | 10153847                  | 11076923                |
| 13      | 869745        | 1        | 5           | 75      | 1593             | 0                | 0                | 11339916       | 11076924                  | 12000000                |

Total number of pulses in waveform = 26

\*\*\*\*\*

## Type 5 Radar Waveform\_28

Num of Bursts = 13  
Burst Interval (us)= 923077

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 454540        | 2        | 19          | 70      | 1847             | 1075             | 0                | 454540         | 0                         | 923076                  |
| 2       | 911698        | 2        | 19          | 65      | 1968             | 1709             | 0                | 1369160        | 923077                    | 1846153                 |
| 3       | 817777        | 2        | 19          | 90      | 1370             | 1102             | 0                | 2190614        | 1846154                   | 2769230                 |
| 4       | 687211        | 3        | 19          | 60      | 1026             | 1832             | 1963             | 2880297        | 2769231                   | 3692307                 |
| 5       | 1110160       | 2        | 19          | 75      | 1078             | 1287             | 0                | 3995278        | 3692308                   | 4615384                 |
| 6       | 1063477       | 1        | 19          | 75      | 1180             | 0                | 0                | 5061120        | 4615385                   | 5538461                 |
| 7       | 1041350       | 2        | 19          | 65      | 1230             | 1521             | 0                | 6103650        | 5538462                   | 6461538                 |
| 8       | 1150845       | 1        | 19          | 80      | 1038             | 0                | 0                | 7257246        | 6461539                   | 7384615                 |
| 9       | 902612        | 1        | 19          | 50      | 1401             | 0                | 0                | 8160896        | 7384616                   | 8307692                 |
| 10      | 921902        | 2        | 19          | 100     | 1934             | 1428             | 0                | 9084199        | 8307693                   | 9230769                 |
| 11      | 248265        | 2        | 19          | 70      | 1546             | 1444             | 0                | 9335826        | 9230770                   | 10153846                |
| 12      | 1202368       | 1        | 19          | 85      | 1108             | 0                | 0                | 10541184       | 10153847                  | 11076923                |
| 13      | 1164789       | 1        | 19          | 65      | 1986             | 0                | 0                | 11707081       | 11076924                  | 12000000                |

Total number of pulses in waveform = 22

\*\*\*\*\*

**Type 5 Radar Waveform\_29**

Num of Bursts = 8  
Burst Interval (us)= 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 1127542       | 2        | 6           | 50      | 1799            | 1166            | 0               | 1127542        | 0                        | 1499999                |
| 2       | 880762        | 1        | 6           | 75      | 1114            | 0               | 0               | 2011269        | 1500000                  | 2999999                |
| 3       | 1127718       | 3        | 6           | 95      | 1547            | 1904            | 1411            | 3140101        | 3000000                  | 4499999                |
| 4       | 2484726       | 2        | 6           | 100     | 1532            | 1338            | 0               | 5629689        | 4500000                  | 5999999                |
| 5       | 1679189       | 3        | 6           | 70      | 1579            | 1246            | 1756            | 7311748        | 6000000                  | 7499999                |
| 6       | 540037        | 1        | 6           | 80      | 1576            | 0               | 0               | 7856366        | 7500000                  | 8999999                |
| 7       | 1186607       | 2        | 6           | 50      | 1425            | 1056            | 0               | 9044549        | 9000000                  | 10499999               |
| 8       | 2431547       | 3        | 6           | 95      | 1693            | 1848            | 1745            | 11478577       | 10500000                 | 11999999               |

Total number of pulses in waveform = 17

\*\*\*\*\*

**Type 5 Radar Waveform\_30**

Num of Bursts = 12  
Burst Interval (us)= 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 986945        | 2        | 9           | 75      | 1106            | 1145            | 0               | 986945         | 0                        | 999999                 |
| 2       | 544366        | 1        | 9           | 75      | 1469            | 0               | 0               | 1533562        | 1000000                  | 1999999                |
| 3       | 1439509       | 1        | 9           | 50      | 1441            | 0               | 0               | 2974540        | 2000000                  | 2999999                |
| 4       | 280224        | 1        | 9           | 85      | 1345            | 0               | 0               | 3256205        | 3000000                  | 3999999                |
| 5       | 801040        | 1        | 9           | 90      | 1135            | 0               | 0               | 4058590        | 4000000                  | 4999999                |
| 6       | 1208403       | 1        | 9           | 90      | 1966            | 0               | 0               | 5268128        | 5000000                  | 5999999                |
| 7       | 830426        | 2        | 9           | 80      | 1957            | 1278            | 0               | 6100520        | 6000000                  | 6999999                |
| 8       | 1220726       | 3        | 9           | 50      | 1403            | 1349            | 1038            | 7324481        | 7000000                  | 7999999                |
| 9       | 1324251       | 2        | 9           | 70      | 1344            | 1136            | 0               | 8652522        | 8000000                  | 8999999                |
| 10      | 850351        | 1        | 9           | 65      | 1683            | 0               | 0               | 9505353        | 9000000                  | 9999999                |
| 11      | 902863        | 1        | 9           | 85      | 1970            | 0               | 0               | 10409899       | 10000000                 | 10999999               |
| 12      | 686100        | 3        | 9           | 95      | 1310            | 1426            | 1221            | 11097969       | 11000000                 | 11999999               |

Total number of pulses in waveform = 19

\*\*\*\*\*

# Radar Type 6 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection | Trail # | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|-------------------------------|---------|---------------------|-------------------------------|
| 1                        | 5292                | 1                             | 16      | 5310                | 1                             |
| 2                        | 5293                | 1                             | 17      | 5311                | 1                             |
| 3                        | 5294                | 1                             | 18      | 5312                | 1                             |
| 4                        | 5295                | 1                             | 19      | 5316                | 1                             |
| 5                        | 5296                | 1                             | 20      | 5317                | 1                             |
| 6                        | 5299                | 1                             | 21      | 5318                | 1                             |
| 7                        | 5300                | 1                             | 22      | 5319                | 1                             |
| 8                        | 5301                | 1                             | 23      | 5320                | 1                             |
| 9                        | 5302                | 1                             | 24      | 5321                | 1                             |
| 10                       | 5303                | 1                             | 25      | 5322                | 1                             |
| 11                       | 5304                | 1                             | 26      | 5323                | 1                             |
| 12                       | 5306                | 1                             | 27      | 5324                | 1                             |
| 13                       | 5307                | 1                             | 28      | 5325                | 1                             |
| 14                       | 5308                | 1                             | 29      | 5326                | 1                             |
| 15                       | 5309                | 1                             | 30      | 5327                | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 0                 | 5316            | 0                | 5                 | 5306            | 15               |
| 7                 | 5329            | 21               | 7                 | 5328            | 21               |
| 11                | 5333            | 33               | 18                | 5347            | 54               |
| 16                | 5325            | 48               | 26                | 5314            | 78               |
| 24                | 5302            | 72               | 32                | 5345            | 96               |
| 26                | 5304            | 78               | 35                | 5312            | 105              |
| 28                | 5350            | 84               | 41                | 5351            | 123              |
| 40                | 5335            | 120              | 50                | 5336            | 150              |
| 60                | 5318            | 180              | 51                | 5340            | 153              |
| 66                | 5297            | 198              | 55                | 5341            | 165              |
| 67                | 5357            | 201              | 59                | 5320            | 177              |
| 76                | 5344            | 228              | 85                | 5338            | 255              |
| 77                | 5351            | 231              | 89                | 5302            | 267              |
| 83                | 5334            | 249              | 94                | 5344            | 282              |

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 5                 | 5313            | 15               | 6                 | 5324            | 18               |
| 11                | 5338            | 33               | 16                | 5317            | 48               |
| 12                | 5345            | 36               | 19                | 5347            | 57               |
| 29                | 5355            | 87               | 20                | 5333            | 60               |
| 47                | 5327            | 141              | 27                | 5351            | 81               |
| 55                | 5320            | 165              | 30                | 5337            | 90               |
| 57                | 5350            | 171              | 41                | 5328            | 123              |
| 61                | 5344            | 183              | 61                | 5340            | 183              |
| 68                | 5297            | 204              | 63                | 5357            | 189              |
| 69                | 5311            | 207              | 67                | 5356            | 201              |
| 70                | 5325            | 210              | 71                | 5316            | 213              |
| 71                | 5334            | 213              | 89                | 5327            | 267              |
| 72                | 5326            | 216              | 94                | 5300            | 282              |
| 73                | 5340            | 219              | --                | --              | --               |
| 75                | 5339            | 225              | --                | --              | --               |
| 86                | 5302            | 258              | --                | --              | --               |
| 99                | 5352            | 297              | --                | --              | --               |

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 0                 | 5300            | 0                | 2                 | 5317            | 6                |
| 17                | 5311            | 51               | 9                 | 5332            | 27               |
| 35                | 5302            | 105              | 23                | 5348            | 69               |
| 46                | 5312            | 138              | 28                | 5322            | 84               |
| 54                | 5299            | 162              | 29                | 5298            | 87               |
| 55                | 5356            | 165              | 39                | 5313            | 117              |
| 56                | 5351            | 168              | 40                | 5331            | 120              |
| 60                | 5332            | 180              | 46                | 5355            | 138              |
| 66                | 5313            | 198              | 50                | 5338            | 150              |
| --                | --              | --               | 58                | 5329            | 174              |
| --                | --              | --               | 62                | 5326            | 186              |
| --                | --              | --               | 66                | 5306            | 198              |
| --                | --              | --               | 91                | 5320            | 273              |
| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |

| Hopping Number | Frequency (MHz) | Pulse Start (ms) | Hopping Number | Frequency (MHz) | Pulse Start (ms) |
|----------------|-----------------|------------------|----------------|-----------------|------------------|
| 6              | 5298            | 18               | 0              | 5305            | 0                |
| 20             | 5352            | 60               | 15             | 5320            | 45               |
| 56             | 5306            | 168              | 39             | 5351            | 117              |
| 59             | 5302            | 177              | 46             | 5312            | 138              |
| 68             | 5354            | 204              | 47             | 5308            | 141              |
| 88             | 5353            | 264              | 48             | 5330            | 144              |
| 92             | 5329            | 276              | 67             | 5321            | 201              |
| 93             | 5335            | 279              | 73             | 5347            | 219              |
| 97             | 5343            | 291              | 82             | 5314            | 246              |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                 | 5315            | 24               | 11                 | 5306            | 33               |
| 20                | 5349            | 60               | 14                 | 5303            | 42               |
| 31                | 5306            | 93               | 20                 | 5315            | 60               |
| 37                | 5309            | 111              | 28                 | 5319            | 84               |
| 39                | 5355            | 117              | 30                 | 5299            | 90               |
| 44                | 5301            | 132              | 32                 | 5334            | 96               |
| 51                | 5357            | 153              | 37                 | 5329            | 111              |
| 56                | 5298            | 168              | 42                 | 5353            | 126              |
| 58                | 5305            | 174              | 46                 | 5337            | 138              |
| 59                | 5314            | 177              | 68                 | 5298            | 204              |
| 79                | 5321            | 237              | 79                 | 5349            | 237              |
| 87                | 5330            | 261              | 80                 | 5297            | 240              |
| 88                | 5343            | 264              | --                 | --              | --               |
| 91                | 5304            | 273              | --                 | --              | --               |
| 96                | 5311            | 288              | --                 | --              | --               |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5348            | 12               | 1                  | 5305            | 3                |
| 10                 | 5356            | 30               | 10                 | 5316            | 30               |
| 17                 | 5299            | 51               | 14                 | 5304            | 42               |
| 19                 | 5329            | 57               | 18                 | 5328            | 54               |
| 21                 | 5310            | 63               | 23                 | 5351            | 69               |
| 26                 | 5345            | 78               | 32                 | 5356            | 96               |
| 27                 | 5332            | 81               | 36                 | 5320            | 108              |
| 30                 | 5346            | 90               | 46                 | 5313            | 138              |
| 35                 | 5315            | 105              | 68                 | 5321            | 204              |
| 40                 | 5327            | 120              | 69                 | 5310            | 207              |
| 50                 | 5341            | 150              | 74                 | 5324            | 222              |
| 53                 | 5302            | 159              | 79                 | 5307            | 237              |
| 78                 | 5334            | 234              | 85                 | 5330            | 255              |
| 85                 | 5321            | 255              | 87                 | 5348            | 261              |
| 95                 | 5318            | 285              | 97                 | 5341            | 291              |
| --                 | --              | --               | 99                 | 5303            | 297              |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                  | 5355            | 24               | 5                  | 5339            | 15               |
| 11                 | 5348            | 33               | 11                 | 5314            | 33               |
| 23                 | 5326            | 69               | 21                 | 5329            | 63               |
| 25                 | 5299            | 75               | 22                 | 5302            | 66               |
| 26                 | 5345            | 78               | 38                 | 5324            | 114              |
| 37                 | 5335            | 111              | 48                 | 5352            | 144              |
| 58                 | 5327            | 174              | 53                 | 5337            | 159              |
| 60                 | 5312            | 180              | 67                 | 5348            | 201              |
| 65                 | 5347            | 195              | 70                 | 5311            | 210              |
| 69                 | 5331            | 207              | 80                 | 5315            | 240              |
| 87                 | 5318            | 261              | 81                 | 5330            | 243              |
| 92                 | 5315            | 276              | 93                 | 5305            | 279              |
| --                 | --              | --               | 96                 | 5299            | 288              |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5351            | 9                | 2                  | 5315            | 6                |
| 12                 | 5300            | 36               | 9                  | 5357            | 27               |
| 14                 | 5306            | 42               | 22                 | 5338            | 66               |
| 15                 | 5331            | 45               | 34                 | 5308            | 102              |
| 25                 | 5301            | 75               | 59                 | 5347            | 177              |
| 28                 | 5321            | 84               | 72                 | 5329            | 216              |
| 32                 | 5324            | 96               | 82                 | 5305            | 246              |
| 64                 | 5305            | 192              | 93                 | 5310            | 279              |
| 76                 | 5333            | 228              | 99                 | 5355            | 297              |
| 94                 | 5303            | 282              | --                 | --              | --               |
| 95                 | 5311            | 285              | --                 | --              | --               |
| 97                 | 5347            | 291              | --                 | --              | --               |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 0                  | 5342            | 3                | 0                  | 5349            | 0                |
| 4                  | 5324            | 7                | 5                  | 5326            | 15               |
| 10                 | 5337            | 13               | 12                 | 5315            | 36               |
| 23                 | 5344            | 26               | 20                 | 5346            | 60               |
| 25                 | 5351            | 28               | 29                 | 5329            | 87               |
| 27                 | 5334            | 30               | 36                 | 5311            | 108              |
| 43                 | 5314            | 46               | 43                 | 5350            | 129              |
| 44                 | 5346            | 47               | 46                 | 5314            | 138              |
| 61                 | 5304            | 64               | 47                 | 5325            | 141              |
| 64                 | 5335            | 67               | 51                 | 5319            | 153              |
| 67                 | 5333            | 70               | 53                 | 5357            | 159              |
| 68                 | 5341            | 71               | 62                 | 5306            | 186              |
| 74                 | 5325            | 77               | 69                 | 5320            | 207              |
| 80                 | 5308            | 83               | 72                 | 5335            | 216              |
| 85                 | 5326            | 88               | 74                 | 5332            | 222              |
| 86                 | 5316            | 89               | 77                 | 5322            | 231              |
| 92                 | 5323            | 95               | 90                 | 5351            | 270              |
| 93                 | 5356            | 96               | 93                 | 5334            | 279              |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5325            | 9                | 10                 | 5311            | 30               |
| 12                 | 5352            | 36               | 12                 | 5297            | 36               |
| 53                 | 5334            | 159              | 14                 | 5333            | 42               |
| 55                 | 5313            | 165              | 19                 | 5325            | 57               |
| 62                 | 5326            | 186              | 36                 | 5315            | 108              |
| 66                 | 5357            | 198              | 40                 | 5310            | 120              |
| 73                 | 5349            | 219              | 73                 | 5305            | 219              |
| 81                 | 5299            | 243              | 77                 | 5319            | 231              |
| 86                 | 5347            | 258              | 82                 | 5343            | 246              |
| 88                 | 5340            | 264              | 84                 | 5338            | 252              |
| 98                 | 5317            | 294              | --                 | --              | --               |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5315            | 12               | 16                 | 5350            | 48               |
| 7                  | 5333            | 21               | 22                 | 5346            | 66               |
| 27                 | 5306            | 81               | 23                 | 5307            | 69               |
| 36                 | 5331            | 108              | 30                 | 5339            | 90               |
| 46                 | 5302            | 138              | 50                 | 5351            | 150              |
| 50                 | 5352            | 150              | 56                 | 5343            | 168              |
| 51                 | 5339            | 153              | 59                 | 5305            | 177              |
| 52                 | 5334            | 156              | 70                 | 5317            | 210              |
| 66                 | 5323            | 198              | 76                 | 5340            | 228              |
| 75                 | 5298            | 225              | 90                 | 5352            | 270              |
| 78                 | 5330            | 234              | 93                 | 5323            | 279              |
| 90                 | 5336            | 270              | --                 | --              | --               |
| 93                 | 5297            | 279              | --                 | --              | --               |
| 99                 | 5346            | 297              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 7                  | 5321            | 21               | 4                  | 5329            | 12               |
| 35                 | 5297            | 105              | 7                  | 5353            | 21               |
| 37                 | 5307            | 111              | 14                 | 5305            | 42               |
| 40                 | 5301            | 120              | 25                 | 5311            | 75               |
| 42                 | 5322            | 126              | 26                 | 5313            | 78               |
| 43                 | 5323            | 129              | 28                 | 5336            | 84               |
| 47                 | 5329            | 141              | 29                 | 5321            | 87               |
| 73                 | 5312            | 219              | 39                 | 5318            | 117              |
| 84                 | 5333            | 252              | 53                 | 5351            | 159              |
| 86                 | 5300            | 258              | 55                 | 5325            | 165              |
| --                 | --              | --               | 61                 | 5298            | 183              |
| --                 | --              | --               | 67                 | 5331            | 201              |
| --                 | --              | --               | 70                 | 5297            | 210              |
| --                 | --              | --               | 80                 | 5334            | 240              |
| --                 | --              | --               | 89                 | 5322            | 267              |
| --                 | --              | --               | 95                 | 5341            | 285              |
| --                 | --              | --               | 99                 | 5354            | 297              |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5311            | 12               | 5                  | 5357            | 15               |
| 8                  | 5306            | 24               | 8                  | 5355            | 24               |
| 18                 | 5352            | 54               | 19                 | 5338            | 57               |
| 20                 | 5304            | 60               | 31                 | 5342            | 93               |
| 25                 | 5312            | 75               | 42                 | 5323            | 126              |
| 26                 | 5307            | 78               | 49                 | 5306            | 147              |
| 28                 | 5335            | 84               | 57                 | 5343            | 171              |
| 29                 | 5351            | 87               | 59                 | 5322            | 177              |
| 33                 | 5308            | 99               | 61                 | 5297            | 183              |
| 34                 | 5354            | 102              | 88                 | 5340            | 264              |
| 42                 | 5349            | 126              | --                 | --              | --               |
| 53                 | 5332            | 159              | --                 | --              | --               |
| 56                 | 5305            | 168              | --                 | --              | --               |
| 69                 | 5331            | 207              | --                 | --              | --               |
| 73                 | 5325            | 219              | --                 | --              | --               |
| 88                 | 5315            | 264              | --                 | --              | --               |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 10                 | 5352            | 30               | 12                 | 5317            | 36               |
| 18                 | 5354            | 54               | 23                 | 5330            | 69               |
| 19                 | 5323            | 57               | 24                 | 5307            | 72               |
| 22                 | 5356            | 66               | 31                 | 5353            | 93               |
| 27                 | 5343            | 81               | 32                 | 5338            | 96               |
| 32                 | 5301            | 96               | 43                 | 5357            | 129              |
| 41                 | 5312            | 123              | 48                 | 5299            | 144              |
| 46                 | 5331            | 138              | 68                 | 5300            | 204              |
| 49                 | 5355            | 147              | 79                 | 5334            | 237              |
| 51                 | 5351            | 153              | 83                 | 5314            | 249              |
| 57                 | 5300            | 171              | 91                 | 5351            | 273              |
| 62                 | 5299            | 186              | 95                 | 5315            | 285              |
| 73                 | 5342            | 219              | --                 | --              | --               |
| 79                 | 5332            | 237              | --                 | --              | --               |
| 95                 | 5298            | 285              | --                 | --              | --               |

## Radar Statistical Performance for 802.11ac-VHT80

## Radar Type 1 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5253                | 1                   | 618      | 86             | 1                             |
| 2                        | 5256                | 1                   | 678      | 78             | 1                             |
| 3                        | 5259                | 1                   | 538      | 99             | 1                             |
| 4                        | 5262                | 1                   | 938      | 57             | 1                             |
| 5                        | 5265                | 1                   | 598      | 89             | 1                             |
| 6                        | 5268                | 1                   | 858      | 62             | 1                             |
| 7                        | 5271                | 1                   | 518      | 102            | 1                             |
| 8                        | 5274                | 1                   | 698      | 76             | 1                             |
| 9                        | 5277                | 1                   | 838      | 63             | 1                             |
| 10                       | 5280                | 1                   | 3066     | 18             | 1                             |
| 11                       | 5283                | 1                   | 558      | 95             | 1                             |
| 12                       | 5286                | 1                   | 658      | 81             | 1                             |
| 13                       | 5289                | 1                   | 638      | 83             | 1                             |
| 14                       | 5292                | 1                   | 738      | 72             | 1                             |
| 15                       | 5295                | 1                   | 798      | 67             | 1                             |
| 16                       | 5298                | 1                   | 1111     | 48             | 1                             |
| 17                       | 5301                | 1                   | 540      | 98             | 1                             |
| 18                       | 5304                | 1                   | 2492     | 22             | 1                             |
| 19                       | 5307                | 1                   | 3022     | 18             | 1                             |
| 20                       | 5310                | 1                   | 1264     | 42             | 1                             |
| 21                       | 5313                | 1                   | 1397     | 38             | 1                             |
| 22                       | 5316                | 1                   | 1411     | 38             | 1                             |
| 23                       | 5319                | 1                   | 563      | 94             | 1                             |
| 24                       | 5322                | 1                   | 2796     | 19             | 1                             |
| 25                       | 5325                | 1                   | 1996     | 27             | 1                             |
| 26                       | 5328                | 1                   | 1935     | 28             | 1                             |
| 27                       | 5271                | 1                   | 2225     | 24             | 1                             |
| 28                       | 5290                | 1                   | 1164     | 46             | 1                             |
| 29                       | 5311                | 1                   | 2858     | 19             | 1                             |
| 30                       | 5327                | 1                   | 2688     | 20             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 2 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5253                | 2.1                 | 151      | 23             | 1                             |
| 2                        | 5256                | 1.0                 | 168      | 26             | 1                             |
| 3                        | 5259                | 2.0                 | 226      | 27             | 1                             |
| 4                        | 5262                | 3.3                 | 210      | 28             | 1                             |
| 5                        | 5265                | 2.2                 | 224      | 24             | 1                             |
| 6                        | 5268                | 2.6                 | 180      | 28             | 1                             |
| 7                        | 5271                | 1.5                 | 198      | 26             | 1                             |
| 8                        | 5274                | 2.2                 | 159      | 27             | 1                             |
| 9                        | 5277                | 2.1                 | 166      | 25             | 1                             |
| 10                       | 5280                | 4.9                 | 153      | 27             | 1                             |
| 11                       | 5283                | 1.6                 | 203      | 27             | 1                             |
| 12                       | 5286                | 3.9                 | 191      | 26             | 1                             |
| 13                       | 5289                | 1.6                 | 198      | 24             | 1                             |
| 14                       | 5292                | 3.6                 | 203      | 29             | 1                             |
| 15                       | 5295                | 2.6                 | 199      | 24             | 1                             |
| 16                       | 5298                | 3.0                 | 212      | 27             | 1                             |
| 17                       | 5301                | 4.0                 | 178      | 24             | 1                             |
| 18                       | 5304                | 3.1                 | 218      | 29             | 1                             |
| 19                       | 5307                | 1.0                 | 222      | 29             | 1                             |
| 20                       | 5310                | 3.6                 | 185      | 25             | 1                             |
| 21                       | 5313                | 2.2                 | 196      | 23             | 1                             |
| 22                       | 5316                | 4.0                 | 182      | 29             | 1                             |
| 23                       | 5319                | 3.7                 | 223      | 27             | 1                             |
| 24                       | 5322                | 3.7                 | 224      | 29             | 1                             |
| 25                       | 5325                | 3.4                 | 179      | 27             | 1                             |
| 26                       | 5328                | 3.9                 | 203      | 26             | 1                             |
| 27                       | 5271                | 3.0                 | 168      | 23             | 1                             |
| 28                       | 5290                | 4.0                 | 155      | 27             | 1                             |
| 29                       | 5311                | 4.9                 | 222      | 27             | 1                             |
| 30                       | 5327                | 2.8                 | 188      | 28             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 3 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5253                | 8.6                 | 357      | 16             | 1                             |
| 2                        | 5256                | 6.9                 | 453      | 17             | 1                             |
| 3                        | 5259                | 8.7                 | 252      | 17             | 1                             |
| 4                        | 5262                | 8.5                 | 335      | 16             | 1                             |
| 5                        | 5265                | 9.1                 | 285      | 17             | 1                             |
| 6                        | 5268                | 6.7                 | 265      | 16             | 1                             |
| 7                        | 5271                | 7.5                 | 346      | 17             | 1                             |
| 8                        | 5274                | 8.8                 | 356      | 18             | 1                             |
| 9                        | 5277                | 7.7                 | 467      | 16             | 1                             |
| 10                       | 5280                | 7.5                 | 272      | 18             | 1                             |
| 11                       | 5283                | 10.0                | 294      | 16             | 1                             |
| 12                       | 5286                | 9.1                 | 284      | 17             | 1                             |
| 13                       | 5289                | 7.0                 | 380      | 16             | 1                             |
| 14                       | 5292                | 7.3                 | 352      | 16             | 1                             |
| 15                       | 5295                | 7.1                 | 449      | 17             | 1                             |
| 16                       | 5298                | 6.6                 | 344      | 18             | 1                             |
| 17                       | 5301                | 9.5                 | 337      | 17             | 1                             |
| 18                       | 5304                | 6.3                 | 412      | 18             | 1                             |
| 19                       | 5307                | 9.2                 | 342      | 17             | 1                             |
| 20                       | 5310                | 8.5                 | 266      | 16             | 1                             |
| 21                       | 5313                | 7.1                 | 426      | 17             | 1                             |
| 22                       | 5316                | 7.4                 | 388      | 17             | 1                             |
| 23                       | 5319                | 6.3                 | 270      | 16             | 1                             |
| 24                       | 5322                | 6.3                 | 344      | 16             | 1                             |
| 25                       | 5325                | 9.0                 | 357      | 17             | 1                             |
| 26                       | 5328                | 7.6                 | 365      | 17             | 1                             |
| 27                       | 5271                | 8.8                 | 483      | 17             | 1                             |
| 28                       | 5290                | 6.7                 | 307      | 18             | 1                             |
| 29                       | 5311                | 6.1                 | 297      | 16             | 1                             |
| 30                       | 5327                | 9.8                 | 475      | 16             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

## Radar Type 4 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 1                        | 5253                | 15.4                | 344      | 16             | 1                             |
| 2                        | 5256                | 15.6                | 344      | 14             | 1                             |
| 3                        | 5259                | 14.7                | 313      | 13             | 1                             |
| 4                        | 5262                | 17.7                | 255      | 16             | 1                             |
| 5                        | 5265                | 15.9                | 452      | 14             | 1                             |
| 6                        | 5268                | 13.6                | 401      | 16             | 1                             |
| 7                        | 5271                | 17.7                | 450      | 15             | 1                             |
| 8                        | 5274                | 12.8                | 313      | 12             | 1                             |
| 9                        | 5277                | 19.2                | 344      | 15             | 1                             |
| 10                       | 5280                | 18.5                | 403      | 15             | 1                             |
| 11                       | 5283                | 14.6                | 271      | 16             | 1                             |
| 12                       | 5286                | 14.0                | 383      | 12             | 1                             |
| 13                       | 5289                | 11.8                | 253      | 16             | 1                             |
| 14                       | 5292                | 16.0                | 405      | 16             | 1                             |
| 15                       | 5295                | 13.8                | 443      | 13             | 1                             |
| 16                       | 5298                | 12.6                | 426      | 12             | 1                             |
| 17                       | 5301                | 12.3                | 348      | 16             | 1                             |
| 18                       | 5304                | 14.4                | 472      | 15             | 1                             |
| 19                       | 5307                | 19.6                | 381      | 15             | 1                             |
| 20                       | 5310                | 19.4                | 377      | 13             | 1                             |
| 21                       | 5313                | 19.1                | 308      | 16             | 1                             |
| 22                       | 5316                | 17.3                | 258      | 15             | 1                             |
| 23                       | 5319                | 13.3                | 330      | 16             | 1                             |
| 24                       | 5322                | 12.8                | 449      | 16             | 1                             |
| 25                       | 5325                | 11.6                | 338      | 13             | 1                             |
| 26                       | 5328                | 12.8                | 415      | 12             | 1                             |
| 27                       | 5271                | 14.1                | 412      | 16             | 1                             |
| 28                       | 5290                | 12.2                | 289      | 12             | 1                             |
| 29                       | 5311                | 15.0                | 359      | 12             | 1                             |
| 30                       | 5327                | 19.9                | 497      | 16             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 100%                          |

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: 
$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$$

### Radar Type 5 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection | Trail # | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|-------------------------------|---------|---------------------|-------------------------------|
| 1                        | 5255.6              | 1                             | 16      | 5290.0              | 0                             |
| 2                        | 5258.8              | 1                             | 17      | 5290.0              | 1                             |
| 3                        | 5257.6              | 1                             | 18      | 5290.0              | 1                             |
| 4                        | 5259.6              | 1                             | 19      | 5290.0              | 1                             |
| 5                        | 5254.0              | 1                             | 20      | 5290.0              | 1                             |
| 6                        | 5255.2              | 1                             | 21      | 5325.6              | 1                             |
| 7                        | 5256.8              | 1                             | 22      | 5320.4              | 1                             |
| 8                        | 5254.4              | 1                             | 23      | 5324.4              | 1                             |
| 9                        | 5259.2              | 1                             | 24      | 5323.2              | 1                             |
| 10                       | 5256.0              | 1                             | 25      | 5326.0              | 1                             |
| 11                       | 5290.0              | 1                             | 26      | 5322.4              | 1                             |
| 12                       | 5290.0              | 1                             | 27      | 5324.8              | 1                             |
| 13                       | 5290.0              | 1                             | 28      | 5320.8              | 1                             |
| 14                       | 5290.0              | 1                             | 29      | 5324.0              | 1                             |
| 15                       | 5290.0              | 1                             | 30      | 5321.2              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 96.7%                         |

| Type 5 Radar Waveform_1                           |               |          |             |         |                  |                  |                  |                |                           |                         |
|---------------------------------------------------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| Num of Bursts = 15<br>Burst Interval (us)= 800000 |               |          |             |         |                  |                  |                  |                |                           |                         |
| Burst #                                           | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
| 1                                                 | 78034         | 2        | 10          | 55      | 1476             | 1135             | 0                | 78034          | 0                         | 799999                  |
| 2                                                 | 1165670       | 2        | 10          | 75      | 1296             | 1474             | 0                | 1246315        | 800000                    | 1599999                 |
| 3                                                 | 1148314       | 1        | 10          | 75      | 1623             | 0                | 0                | 2397399        | 1600000                   | 2399999                 |
| 4                                                 | 658489        | 2        | 10          | 95      | 1909             | 1563             | 0                | 3057511        | 2400000                   | 3199999                 |
| 5                                                 | 183591        | 3        | 10          | 85      | 1410             | 1843             | 1008             | 3244574        | 3200000                   | 3999999                 |
| 6                                                 | 860641        | 2        | 10          | 95      | 1060             | 1314             | 0                | 4109476        | 4000000                   | 4799999                 |
| 7                                                 | 1319898       | 2        | 10          | 50      | 1877             | 1126             | 0                | 5431748        | 4800000                   | 5599999                 |
| 8                                                 | 949763        | 3        | 10          | 50      | 1892             | 1323             | 1352             | 6384514        | 5600000                   | 6399999                 |
| 9                                                 | 19298         | 3        | 10          | 55      | 1216             | 1399             | 1035             | 6408379        | 6400000                   | 7199999                 |
| 10                                                | 1017617       | 1        | 10          | 100     | 1214             | 0                | 0                | 7429646        | 7200000                   | 7999999                 |
| 11                                                | 728391        | 1        | 10          | 85      | 1650             | 0                | 0                | 8159251        | 8000000                   | 8799999                 |
| 12                                                | 668228        | 1        | 10          | 100     | 1092             | 0                | 0                | 8829129        | 8800000                   | 9599999                 |
| 13                                                | 1096707       | 3        | 10          | 55      | 1637             | 1810             | 1165             | 9926928        | 9600000                   | 10399999                |
| 14                                                | 767325        | 3        | 10          | 60      | 1813             | 1060             | 1890             | 10698865       | 10400000                  | 11199999                |
| 15                                                | 841185        | 3        | 10          | 100     | 1982             | 1820             | 1876             | 11544813       | 11200000                  | 11999999                |
| Total number of pulses in waveform = 32           |               |          |             |         |                  |                  |                  |                |                           |                         |
| *****                                             |               |          |             |         |                  |                  |                  |                |                           |                         |



## Type 5 Radar Waveform\_2

Num of Bursts = 18  
Burst Interval (us) = 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 247754        | 2        | 14          | 85      | 1936             | 1629             | 0                | 247754         | 0                         | 666666                  |
| 2       | 817480        | 2        | 14          | 100     | 1875             | 1994             | 0                | 1068799        | 666667                    | 1333333                 |
| 3       | 292438        | 1        | 14          | 65      | 1620             | 0                | 0                | 1365106        | 1333334                   | 2000000                 |
| 4       | 706932        | 2        | 14          | 85      | 1086             | 1561             | 0                | 2073658        | 2000001                   | 2666667                 |
| 5       | 768691        | 2        | 14          | 70      | 1525             | 1939             | 0                | 2844996        | 2666668                   | 3333334                 |
| 6       | 646668        | 1        | 14          | 90      | 1320             | 0                | 0                | 3495128        | 3333335                   | 4000001                 |
| 7       | 606056        | 3        | 14          | 80      | 1060             | 1246             | 1168             | 4102504        | 4000002                   | 4666668                 |
| 8       | 802483        | 2        | 14          | 100     | 1210             | 1082             | 0                | 4908461        | 4666669                   | 5333335                 |
| 9       | 1003135       | 3        | 14          | 65      | 1009             | 1243             | 1584             | 5913888        | 5333336                   | 6000002                 |
| 10      | 299266        | 3        | 14          | 85      | 1208             | 1003             | 1545             | 6216990        | 6000003                   | 6666669                 |
| 11      | 808819        | 1        | 14          | 60      | 1186             | 0                | 0                | 7029565        | 6666670                   | 7333336                 |
| 12      | 869157        | 1        | 14          | 75      | 1260             | 0                | 0                | 7899908        | 7333337                   | 8000003                 |
| 13      | 250152        | 3        | 14          | 70      | 1302             | 1765             | 1326             | 8151320        | 8000004                   | 8666670                 |
| 14      | 1021662       | 2        | 14          | 50      | 1190             | 1244             | 0                | 9177375        | 8666671                   | 9333337                 |
| 15      | 380097        | 1        | 14          | 50      | 1435             | 0                | 0                | 9559906        | 9333338                   | 10000004                |
| 16      | 621256        | 3        | 14          | 100     | 1165             | 1303             | 1448             | 10182597       | 10000005                  | 10666671                |
| 17      | 491375        | 1        | 14          | 60      | 1496             | 0                | 0                | 10677888       | 10666672                  | 11333338                |
| 18      | 1026755       | 1        | 14          | 85      | 1486             | 0                | 0                | 11706139       | 11333339                  | 12000005                |

Total number of pulses in waveform = 34

## Type 5 Radar Waveform\_3

Num of Bursts = 12  
Burst Interval (us) = 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 154599        | 1        | 17          | 65      | 1694             | 0                | 0                | 154599         | 0                         | 999999                  |
| 2       | 847509        | 1        | 17          | 95      | 1929             | 0                | 0                | 1003802        | 1000000                   | 1999999                 |
| 3       | 1720608       | 1        | 17          | 65      | 1213             | 0                | 0                | 2726339        | 2000000                   | 2999999                 |
| 4       | 1260084       | 2        | 17          | 75      | 1135             | 1560             | 0                | 3987636        | 3000000                   | 3999999                 |
| 5       | 996628        | 1        | 17          | 55      | 1400             | 0                | 0                | 4986959        | 4000000                   | 4999999                 |
| 6       | 389688        | 3        | 17          | 65      | 1370             | 1197             | 1360             | 5378047        | 5000000                   | 5999999                 |
| 7       | 1324076       | 2        | 17          | 60      | 1004             | 1240             | 0                | 6706050        | 6000000                   | 6999999                 |
| 8       | 1054236       | 3        | 17          | 50      | 1641             | 1474             | 1453             | 7762530        | 7000000                   | 7999999                 |
| 9       | 656576        | 1        | 17          | 95      | 1008             | 0                | 0                | 8423674        | 8000000                   | 8999999                 |
| 10      | 984428        | 2        | 17          | 75      | 1056             | 1817             | 0                | 9409110        | 9000000                   | 9999999                 |
| 11      | 1296968       | 3        | 17          | 95      | 1697             | 1013             | 1341             | 10708951       | 10000000                  | 10999999                |
| 12      | 746156        | 3        | 17          | 80      | 1504             | 1837             | 1701             | 11459158       | 11000000                  | 11999999                |

Total number of pulses in waveform = 23

## Type 5 Radar Waveform\_4

Num of Bursts = 13  
Burst Interval (us) = 923077

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 548697        | 3        | 5           | 95      | 1283             | 1343             | 1272             | 548697         | 0                         | 923076                  |
| 2       | 523923        | 3        | 5           | 50      | 1744             | 1177             | 1436             | 1076518        | 923077                    | 1846153                 |
| 3       | 861506        | 3        | 5           | 80      | 1419             | 1308             | 1135             | 1942381        | 1846154                   | 2769230                 |
| 4       | 1207649       | 1        | 5           | 85      | 1221             | 0                | 0                | 3153892        | 2769231                   | 3692307                 |
| 5       | 1311494       | 1        | 5           | 50      | 1231             | 0                | 0                | 4466607        | 3692308                   | 4615384                 |
| 6       | 710919        | 2        | 5           | 90      | 1503             | 1092             | 0                | 5178757        | 4615385                   | 5538461                 |
| 7       | 853050        | 2        | 5           | 60      | 1399             | 1572             | 0                | 6034402        | 5538462                   | 6461538                 |
| 8       | 538109        | 3        | 5           | 95      | 1688             | 1741             | 1807             | 6575482        | 6461539                   | 7384615                 |
| 9       | 1495801       | 1        | 5           | 75      | 1306             | 0                | 0                | 8076519        | 7384616                   | 8307692                 |
| 10      | 380103        | 3        | 5           | 55      | 1406             | 1778             | 1870             | 8457928        | 8307693                   | 9230769                 |
| 11      | 1563906       | 1        | 5           | 70      | 1283             | 0                | 0                | 10026888       | 9230770                   | 10153846                |
| 12      | 723285        | 1        | 5           | 55      | 1906             | 0                | 0                | 10751456       | 10153847                  | 11076923                |
| 13      | 881727        | 3        | 5           | 55      | 1291             | 1865             | 1571             | 11635089       | 11076924                  | 12000000                |

Total number of pulses in waveform = 27



## Type 5 Radar Waveform\_5

Num of Bursts = 14  
Burst Interval (us)= 857143

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 393875        | 1        | 9           | 90      | 1187            | 0               | 0               | 393875         | 0                        | 857142                 |
| 2       | 606423        | 1        | 9           | 95      | 1772            | 0               | 0               | 1001485        | 857143                   | 1714285                |
| 3       | 1108014       | 2        | 9           | 95      | 2000            | 1706            | 0               | 2111271        | 1714286                  | 2571428                |
| 4       | 805420        | 3        | 9           | 55      | 1835            | 1018            | 1946            | 2920397        | 2571429                  | 3428571                |
| 5       | 541191        | 1        | 9           | 85      | 1199            | 0               | 0               | 3466387        | 3428572                  | 4285714                |
| 6       | 1301299       | 2        | 9           | 55      | 1773            | 1299            | 0               | 4768885        | 4285715                  | 5142857                |
| 7       | 392664        | 3        | 9           | 90      | 1668            | 1063            | 1797            | 5164621        | 5142858                  | 6000000                |
| 8       | 1427477       | 2        | 9           | 55      | 1974            | 1883            | 0               | 6596626        | 6000001                  | 6857143                |
| 9       | 1007436       | 2        | 9           | 95      | 1788            | 1694            | 0               | 7607919        | 6857144                  | 7714286                |
| 10      | 661112        | 1        | 9           | 70      | 1435            | 0               | 0               | 8272513        | 7714287                  | 8571429                |
| 11      | 590102        | 3        | 9           | 65      | 1261            | 1352            | 1227            | 8864050        | 8571430                  | 9428572                |
| 12      | 631939        | 1        | 9           | 55      | 1595            | 0               | 0               | 9499829        | 9428573                  | 10285715               |
| 13      | 854876        | 2        | 9           | 75      | 1478            | 1342            | 0               | 10356300       | 10285716                 | 11142858               |
| 14      | 1308834       | 1        | 9           | 55      | 1445            | 0               | 0               | 11667954       | 11142859                 | 12000001               |

Total number of pulses in waveform = 25

\*\*\*\*\*

## Type 5 Radar Waveform\_6

Num of Bursts = 12  
Burst Interval (us)= 1000000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 899245        | 1        | 8           | 85      | 1130            | 0               | 0               | 899245         | 0                        | 999999                 |
| 2       | 1057882       | 1        | 8           | 55      | 1816            | 0               | 0               | 1958257        | 1000000                  | 1999999                |
| 3       | 1029228       | 3        | 8           | 70      | 1792            | 1397            | 1876            | 2989301        | 2000000                  | 2999999                |
| 4       | 331396        | 2        | 8           | 75      | 1168            | 1975            | 0               | 3325762        | 3000000                  | 3999999                |
| 5       | 732012        | 1        | 8           | 90      | 1048            | 0               | 0               | 4060917        | 4000000                  | 4999999                |
| 6       | 983325        | 3        | 8           | 85      | 1239            | 1916            | 1860            | 5045290        | 5000000                  | 5999999                |
| 7       | 1061469       | 2        | 8           | 85      | 1553            | 1705            | 0               | 6111774        | 6000000                  | 6999999                |
| 8       | 1747305       | 3        | 8           | 65      | 1725            | 1797            | 1890            | 7862337        | 7000000                  | 7999999                |
| 9       | 949153        | 2        | 8           | 80      | 1370            | 1268            | 0               | 8816902        | 8000000                  | 8999999                |
| 10      | 533998        | 2        | 8           | 55      | 1355            | 1597            | 0               | 9353538        | 9000000                  | 9999999                |
| 11      | 777759        | 1        | 8           | 85      | 1404            | 0               | 0               | 10134249       | 10000000                 | 10999999               |
| 12      | 1206773       | 1        | 8           | 100     | 1607            | 0               | 0               | 11342426       | 11000000                 | 11999999               |

Total number of pulses in waveform = 22

\*\*\*\*\*

## Type 5 Radar Waveform\_7

Waveform Num = 9  
Num of Bursts = 20  
Burst Interval (us)= 600000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 314269        | 1        | 18          | 50      | 1061            | 0               | 0               | 314269         | 0                        | 599999                 |
| 2       | 546046        | 1        | 18          | 95      | 1646            | 0               | 0               | 861376         | 600000                   | 1199999                |
| 3       | 879502        | 1        | 18          | 100     | 1855            | 0               | 0               | 1742524        | 1200000                  | 1799999                |
| 4       | 216515        | 3        | 18          | 75      | 1014            | 1590            | 1707            | 1960894        | 1800000                  | 2399999                |
| 5       | 605297        | 2        | 18          | 90      | 1834            | 1985            | 0               | 2570502        | 2400000                  | 2999999                |
| 6       | 553197        | 1        | 18          | 90      | 1947            | 0               | 0               | 3127518        | 3000000                  | 3599999                |
| 7       | 664600        | 3        | 18          | 100     | 1211            | 1018            | 1491            | 3794065        | 3600000                  | 4199999                |
| 8       | 464681        | 1        | 18          | 95      | 1181            | 0               | 0               | 4262466        | 4200000                  | 4799999                |
| 9       | 574597        | 1        | 18          | 50      | 1135            | 0               | 0               | 4838244        | 4800000                  | 5399999                |
| 10      | 926290        | 1        | 18          | 1178    | 1178            | 1538            | 0               | 5765669        | 5400000                  | 5999999                |
| 11      | 776713        | 2        | 18          | 70      | 1679            | 0               | 0               | 6545098        | 6000000                  | 6599999                |
| 12      | 377415        | 3        | 18          | 55      | 1984            | 1139            | 1566            | 6924192        | 6600000                  | 7199999                |
| 13      | 592972        | 1        | 18          | 75      | 1316            | 0               | 0               | 7521853        | 7200000                  | 7799999                |
| 14      | 542426        | 3        | 18          | 60      | 1496            | 1658            | 1596            | 8065595        | 7800000                  | 8399999                |
| 15      | 842647        | 1        | 18          | 70      | 1603            | 0               | 0               | 8912992        | 8400000                  | 8999999                |
| 16      | 470370        | 1        | 18          | 65      | 1979            | 0               | 0               | 9384965        | 9000000                  | 9599999                |
| 17      | 599156        | 1        | 18          | 95      | 1744            | 0               | 0               | 9986100        | 9600000                  | 10199999               |
| 18      | 270987        | 2        | 18          | 95      | 1498            | 1132            | 0               | 10258831       | 10200000                 | 10799999               |
| 19      | 940832        | 1        | 18          | 80      | 1145            | 0               | 0               | 11202293       | 10800000                 | 11399999               |
| 20      | 610453        | 2        | 18          | 65      | 1190            | 1923            | 0               | 11813891       | 11400000                 | 11999999               |

Total number of pulses in waveform = 32

\*\*\*\*\*

**Type 5 Radar Waveform\_8**

Num of Bursts = 11  
Burst Interval (us)= 1090909

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 1000020       | 2        | 6           | 70      | 1521            | 1546            | 0               | 1000020        | 0                        | 1090908                |
| 2       | 778310        | 3        | 6           | 80      | 1087            | 1750            | 1969            | 1781397        | 1090909                  | 2181817                |
| 3       | 1119459       | 3        | 6           | 100     | 1889            | 1680            | 1995            | 2905662        | 2181818                  | 3272726                |
| 4       | 619560        | 3        | 6           | 100     | 1207            | 1156            | 1320            | 3530786        | 3272727                  | 4363635                |
| 5       | 1740177       | 3        | 6           | 90      | 1270            | 1232            | 1617            | 5274646        | 4363636                  | 5454544                |
| 6       | 735007        | 2        | 6           | 75      | 1978            | 1615            | 0               | 6013772        | 5454545                  | 6545453                |
| 7       | 1033489       | 1        | 6           | 60      | 1821            | 0               | 0               | 7050854        | 6545454                  | 7636362                |
| 8       | 1575236       | 1        | 6           | 70      | 1645            | 0               | 0               | 8627911        | 7636363                  | 8727271                |
| 9       | 967283        | 3        | 6           | 95      | 1754            | 1080            | 1736            | 9596839        | 8727272                  | 9818180                |
| 10      | 319513        | 3        | 6           | 50      | 1525            | 1671            | 1061            | 9920922        | 9818181                  | 10909089               |
| 11      | 1916581       | 1        | 6           | 50      | 1716            | 0               | 0               | 11841760       | 10909090                 | 11999998               |

Total number of pulses in waveform = 25

\*\*\*\*\*

**Type 5 Radar Waveform\_9**

Num of Bursts = 9  
Burst Interval (us)= 1333333

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 743620        | 2        | 12          | 100     | 1109            | 1149            | 0               | 743620         | 0                        | 1333332                |
| 2       | 1017230       | 3        | 12          | 85      | 1465            | 1707            | 1887            | 1763108        | 1333333                  | 2666665                |
| 3       | 1986425       | 1        | 12          | 95      | 1236            | 0               | 0               | 3754592        | 2666666                  | 3999998                |
| 4       | 997825        | 2        | 12          | 65      | 1483            | 1693            | 0               | 4753653        | 3999999                  | 5333331                |
| 5       | 1766661       | 1        | 12          | 85      | 1694            | 0               | 0               | 6523490        | 5333332                  | 6666664                |
| 6       | 894043        | 1        | 12          | 50      | 1207            | 0               | 0               | 7419227        | 6666665                  | 7999997                |
| 7       | 1373369       | 1        | 12          | 80      | 1296            | 0               | 0               | 8793803        | 7999998                  | 9333330                |
| 8       | 1767694       | 3        | 12          | 75      | 1537            | 1297            | 1391            | 10562793       | 9333331                  | 10666663               |
| 9       | 667898        | 1        | 12          | 75      | 1409            | 0               | 0               | 11234916       | 10666664                 | 11999996               |

Total number of pulses in waveform = 15

\*\*\*\*\*

**Type 5 Radar Waveform\_10**

Num of Bursts = 9  
Burst Interval (us)= 1333333

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 504325        | 2        | 19          | 70      | 1105            | 1227            | 0               | 504325         | 0                        | 1333332                |
| 2       | 1921390       | 2        | 19          | 90      | 1570            | 1769            | 0               | 2428047        | 1333333                  | 2666665                |
| 3       | 1057438       | 2        | 19          | 75      | 1567            | 1954            | 0               | 3488824        | 2666666                  | 3999998                |
| 4       | 1472591       | 2        | 19          | 90      | 1433            | 1950            | 0               | 4964936        | 3999999                  | 5333331                |
| 5       | 566155        | 1        | 19          | 75      | 1367            | 0               | 0               | 5534474        | 5333332                  | 6666664                |
| 6       | 2054136       | 3        | 19          | 60      | 1166            | 1719            | 1818            | 7589977        | 6666665                  | 7999997                |
| 7       | 1017636       | 1        | 19          | 70      | 1356            | 0               | 0               | 8612316        | 7999998                  | 9333330                |
| 8       | 1134722       | 3        | 19          | 55      | 1502            | 1840            | 1826            | 9748394        | 9333331                  | 10666663               |
| 9       | 1681119       | 1        | 19          | 65      | 1362            | 0               | 0               | 11434681       | 10666664                 | 11999996               |

Total number of pulses in waveform = 17

\*\*\*\*\*



## Type 5 Radar Waveform\_11

Num of Bursts = 18  
Burst Interval (us)= 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 301408        | 1        | 14          | 85      | 1951             | 0                | 0                | 301408         | 0                         | 666666                  |
| 2       | 835107        | 1        | 14          | 55      | 1986             | 0                | 0                | 1138466        | 666667                    | 1333333                 |
| 3       | 455880        | 2        | 14          | 80      | 1677             | 1534             | 0                | 1596332        | 1333334                   | 2000000                 |
| 4       | 1057790       | 3        | 14          | 65      | 1054             | 1267             | 1476             | 2657333        | 2000001                   | 2666667                 |
| 5       | 532797        | 3        | 14          | 95      | 1680             | 1362             | 1334             | 3193927        | 2666668                   | 3333334                 |
| 6       | 194929        | 3        | 14          | 90      | 1911             | 1276             | 1092             | 3393232        | 3333335                   | 4000001                 |
| 7       | 1009101       | 1        | 14          | 85      | 1464             | 0                | 0                | 4406612        | 4000002                   | 4666668                 |
| 8       | 579544        | 2        | 14          | 95      | 1170             | 1946             | 0                | 4987620        | 4666669                   | 5333335                 |
| 9       | 803742        | 2        | 14          | 95      | 1538             | 1505             | 0                | 5794478        | 5333336                   | 6000002                 |
| 10      | 656534        | 2        | 14          | 65      | 1443             | 1628             | 0                | 6454055        | 6000003                   | 6666669                 |
| 11      | 437984        | 3        | 14          | 95      | 1570             | 1944             | 1529             | 6895110        | 6666670                   | 7333336                 |
| 12      | 716898        | 1        | 14          | 75      | 1225             | 0                | 0                | 7617051        | 7333337                   | 8000003                 |
| 13      | 546053        | 3        | 14          | 55      | 1861             | 1311             | 1450             | 8164329        | 8000004                   | 8666670                 |
| 14      | 1023726       | 1        | 14          | 70      | 1522             | 0                | 0                | 9192677        | 8666671                   | 9333337                 |
| 15      | 776375        | 3        | 14          | 50      | 1702             | 1425             | 1952             | 9970574        | 9333338                   | 10000004                |
| 16      | 442935        | 1        | 14          | 95      | 1048             | 0                | 0                | 10418588       | 10000005                  | 10666671                |
| 17      | 315167        | 3        | 14          | 65      | 1794             | 1867             | 1224             | 10734803       | 10666672                  | 11333338                |
| 18      | 971389        | 2        | 14          | 50      | 1184             | 1234             | 0                | 11711077       | 11333339                  | 12000005                |

Total number of pulses in waveform = 37

\*\*\*\*\*

## Type 5 Radar Waveform\_12

Num of Bursts = 19  
Burst Interval (us)= 631579

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 605569        | 2        | 9           | 80      | 1642             | 1179             | 0                | 605569         | 0                         | 631578                  |
| 2       | 340023        | 1        | 9           | 55      | 1722             | 0                | 0                | 948413         | 631579                    | 1263157                 |
| 3       | 708076        | 1        | 9           | 100     | 1627             | 0                | 0                | 1658211        | 1263158                   | 1894736                 |
| 4       | 666840        | 3        | 9           | 60      | 1485             | 1293             | 1697             | 2326678        | 1894737                   | 2526315                 |
| 5       | 797432        | 1        | 9           | 75      | 1849             | 0                | 0                | 3128585        | 2526316                   | 3157894                 |
| 6       | 524893        | 2        | 9           | 65      | 1679             | 1945             | 0                | 3655327        | 3157895                   | 3789473                 |
| 7       | 467563        | 1        | 9           | 50      | 1110             | 0                | 0                | 4126514        | 3789474                   | 4421052                 |
| 8       | 814199        | 1        | 9           | 85      | 1519             | 0                | 0                | 4941823        | 4421053                   | 5052631                 |
| 9       | 387144        | 1        | 9           | 80      | 1242             | 0                | 0                | 5330486        | 5052632                   | 5684210                 |
| 10      | 687710        | 3        | 9           | 70      | 1297             | 1521             | 1704             | 6019438        | 5684211                   | 6315789                 |
| 11      | 648858        | 1        | 9           | 80      | 1446             | 0                | 0                | 6672818        | 6315790                   | 6947368                 |
| 12      | 757984        | 3        | 9           | 90      | 1794             | 1675             | 1057             | 7432248        | 6947369                   | 7578947                 |
| 13      | 168846        | 1        | 9           | 75      | 1019             | 0                | 0                | 7605620        | 7578948                   | 8210526                 |
| 14      | 952930        | 2        | 9           | 85      | 1712             | 1507             | 0                | 8559569        | 8210527                   | 8842105                 |
| 15      | 745966        | 1        | 9           | 55      | 1080             | 0                | 0                | 9308754        | 8842106                   | 9473684                 |
| 16      | 286319        | 1        | 9           | 75      | 1041             | 0                | 0                | 9596153        | 9473685                   | 10105263                |
| 17      | 756825        | 2        | 9           | 95      | 1209             | 1620             | 0                | 10354019       | 10105264                  | 10736842                |
| 18      | 783359        | 3        | 9           | 90      | 1668             | 1076             | 1916             | 11140207       | 10736843                  | 11368421                |
| 19      | 322124        | 2        | 9           | 90      | 1755             | 1457             | 0                | 11466991       | 11368422                  | 12000000                |

Total number of pulses in waveform = 32

\*\*\*\*\*

## Type 5 Radar Waveform\_13

Num of Bursts = 15  
Burst Interval (us)= 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 61369         | 2        | 6           | 80      | 1319             | 1187             | 0                | 61369          | 0                         | 799999                  |
| 2       | 1340559       | 2        | 6           | 65      | 1135             | 1995             | 0                | 1404434        | 800000                    | 1599999                 |
| 3       | 701848        | 2        | 6           | 85      | 1065             | 1599             | 0                | 2109412        | 1600000                   | 2399999                 |
| 4       | 916432        | 1        | 6           | 55      | 1260             | 0                | 0                | 3028508        | 2400000                   | 3199999                 |
| 5       | 717131        | 2        | 6           | 70      | 1029             | 1864             | 0                | 3746899        | 3200000                   | 3999999                 |
| 6       | 715716        | 3        | 6           | 100     | 1288             | 1208             | 1665             | 4465508        | 4000000                   | 4799999                 |
| 7       | 496645        | 1        | 6           | 85      | 1691             | 0                | 0                | 4966314        | 4800000                   | 5599999                 |
| 8       | 917555        | 3        | 6           | 55      | 1959             | 1293             | 1866             | 5885560        | 5600000                   | 6399999                 |
| 9       | 1152392       | 2        | 6           | 90      | 1965             | 1597             | 0                | 7043070        | 6400000                   | 7199999                 |
| 10      | 270618        | 2        | 6           | 95      | 1331             | 1135             | 0                | 7317250        | 7200000                   | 7999999                 |
| 11      | 832342        | 1        | 6           | 75      | 1468             | 0                | 0                | 8152058        | 8000000                   | 8799999                 |
| 12      | 1117344       | 2        | 6           | 60      | 1232             | 1679             | 0                | 9270870        | 8800000                   | 9599999                 |
| 13      | 741512        | 1        | 6           | 50      | 1810             | 0                | 0                | 10015293       | 9600000                   | 10399999                |
| 14      | 1036387       | 3        | 6           | 70      | 1848             | 1943             | 1534             | 11053490       | 10400000                  | 11199999                |
| 15      | 529337        | 3        | 6           | 85      | 1494             | 1398             | 1040             | 11588152       | 11200000                  | 11999999                |

Total number of pulses in waveform = 30

\*\*\*\*\*



## Type 5 Radar Waveform\_14

Num of Bursts = 18  
Burst Interval (us) = 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 3976          | 1        | 12          | 100     | 1621             | 0                | 0                | 3976           | 0                         | 666666                  |
| 2       | 750694        | 2        | 12          | 55      | 1321             | 1862             | 0                | 756291         | 666667                    | 1333333                 |
| 3       | 1128844       | 3        | 12          | 95      | 1870             | 1835             | 1233             | 1888318        | 1333334                   | 2000000                 |
| 4       | 314511        | 2        | 12          | 70      | 1734             | 1869             | 0                | 2207767        | 2000001                   | 2666667                 |
| 5       | 845264        | 3        | 12          | 50      | 1289             | 1056             | 1557             | 3056634        | 2666668                   | 3333334                 |
| 6       | 387697        | 1        | 12          | 70      | 1823             | 0                | 0                | 3448233        | 3333335                   | 4000001                 |
| 7       | 850409        | 3        | 12          | 95      | 1152             | 1910             | 1425             | 4300465        | 4000002                   | 4666668                 |
| 8       | 635261        | 3        | 12          | 70      | 1846             | 1534             | 1256             | 4940213        | 4666669                   | 5333335                 |
| 9       | 521485        | 3        | 12          | 95      | 1464             | 1532             | 1763             | 5466334        | 5333336                   | 6000002                 |
| 10      | 736762        | 1        | 12          | 50      | 1926             | 0                | 0                | 6207855        | 6000003                   | 6666669                 |
| 11      | 604549        | 1        | 12          | 80      | 1685             | 0                | 0                | 6814330        | 6666670                   | 7333336                 |
| 12      | 1012465       | 2        | 12          | 70      | 1107             | 1476             | 0                | 7828480        | 7333337                   | 8000003                 |
| 13      | 576169        | 2        | 12          | 100     | 1845             | 1204             | 0                | 8407232        | 8000004                   | 8666670                 |
| 14      | 383349        | 1        | 12          | 65      | 1427             | 0                | 0                | 8793630        | 8666671                   | 9333337                 |
| 15      | 1068396       | 1        | 12          | 50      | 1875             | 0                | 0                | 9863453        | 9333338                   | 10000004                |
| 16      | 181346        | 2        | 12          | 75      | 1092             | 1424             | 0                | 10046674       | 10000005                  | 10666671                |
| 17      | 1259542       | 2        | 12          | 90      | 1433             | 1409             | 0                | 11308732       | 10666672                  | 11333338                |
| 18      | 386198        | 2        | 12          | 90      | 1861             | 1984             | 0                | 11697772       | 11333339                  | 12000005                |

Total number of pulses in waveform = 35

\*\*\*\*\*

## Type 5 Radar Waveform\_15

Num of Bursts = 15  
Burst Interval (us) = 800000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 130999        | 3        | 5           | 55      | 1142             | 1275             | 1946             | 130999         | 0                         | 799999                  |
| 2       | 1243400       | 2        | 5           | 55      | 1204             | 1939             | 0                | 1378762        | 800000                    | 1599999                 |
| 3       | 443792        | 2        | 5           | 70      | 1540             | 1488             | 0                | 1825697        | 1600000                   | 2399999                 |
| 4       | 764683        | 2        | 5           | 50      | 1962             | 1174             | 0                | 2593408        | 2400000                   | 3199999                 |
| 5       | 1120328       | 1        | 5           | 90      | 1563             | 0                | 0                | 3716872        | 3200000                   | 3999999                 |
| 6       | 745116        | 3        | 5           | 90      | 1713             | 1887             | 1022             | 4463551        | 4000000                   | 4799999                 |
| 7       | 779820        | 1        | 5           | 75      | 1195             | 0                | 0                | 5247993        | 4800000                   | 5599999                 |
| 8       | 535119        | 2        | 5           | 95      | 1058             | 1457             | 0                | 5784307        | 5600000                   | 6399999                 |
| 9       | 1137511       | 3        | 5           | 55      | 1824             | 1746             | 1991             | 6924333        | 6400000                   | 7199999                 |
| 10      | 977905        | 1        | 5           | 80      | 1042             | 0                | 0                | 7907799        | 7200000                   | 7999999                 |
| 11      | 338356        | 2        | 5           | 85      | 1490             | 1652             | 0                | 8247197        | 8000000                   | 8799999                 |
| 12      | 564318        | 2        | 5           | 50      | 1202             | 1694             | 0                | 8814657        | 8800000                   | 9599999                 |
| 13      | 1369544       | 2        | 5           | 80      | 1802             | 1404             | 0                | 10187097       | 9600000                   | 10399999                |
| 14      | 322519        | 3        | 5           | 90      | 1346             | 1195             | 1466             | 10512822       | 10400000                  | 11199999                |
| 15      | 1113228       | 3        | 5           | 65      | 1715             | 1818             | 1226             | 11630057       | 11200000                  | 11999999                |

Total number of pulses in waveform = 32

\*\*\*\*\*

## Type 5 Radar Waveform\_16

Num of Bursts = 10  
Burst Interval (us) = 1200000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 1107377       | 2        | 10          | 90      | 1882             | 1733             | 0                | 1107377        | 0                         | 1199999                 |
| 2       | 1200809       | 1        | 10          | 85      | 1459             | 0                | 0                | 2311801        | 1200000                   | 2399999                 |
| 3       | 842934        | 3        | 10          | 75      | 1172             | 1972             | 1938             | 3156194        | 2400000                   | 3599999                 |
| 4       | 1076067       | 3        | 10          | 50      | 1264             | 1249             | 1507             | 4237343        | 3600000                   | 4799999                 |
| 5       | 1113693       | 3        | 10          | 90      | 1594             | 1099             | 1753             | 5355056        | 4800000                   | 5999999                 |
| 6       | 931541        | 3        | 10          | 65      | 1338             | 1420             | 1695             | 6291043        | 6000000                   | 7199999                 |
| 7       | 1012330       | 2        | 10          | 85      | 1451             | 1486             | 0                | 7307826        | 7200000                   | 8399999                 |
| 8       | 1558464       | 3        | 10          | 60      | 1405             | 1780             | 1621             | 8869227        | 8400000                   | 9599999                 |
| 9       | 941105        | 2        | 10          | 90      | 1920             | 1007             | 0                | 9815138        | 9600000                   | 10799999                |
| 10      | 2054395       | 1        | 10          | 50      | 1618             | 0                | 0                | 11872460       | 10800000                  | 11999999                |

Total number of pulses in waveform = 23

\*\*\*\*\*

**Type 5 Radar Waveform\_17**

Num of Bursts = 8  
Burst Interval (us)= 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 388040        | 1        | 8           | 70      | 1122            | 0               | 0               | 388040         | 0                        | 1499999                |
| 2       | 1463045       | 2        | 8           | 70      | 1166            | 1713            | 0               | 1852207        | 1500000                  | 2999999                |
| 3       | 2141112       | 1        | 8           | 80      | 1646            | 0               | 0               | 3996198        | 3000000                  | 4499999                |
| 4       | 1391018       | 2        | 8           | 55      | 1496            | 1668            | 0               | 5388862        | 4500000                  | 5999999                |
| 5       | 950037        | 1        | 8           | 85      | 1713            | 0               | 0               | 6342063        | 6000000                  | 7499999                |
| 6       | 2145235       | 1        | 8           | 70      | 1868            | 0               | 0               | 8489011        | 7500000                  | 8999999                |
| 7       | 1951407       | 2        | 8           | 85      | 1323            | 1533            | 0               | 10442286       | 9000000                  | 10499999               |
| 8       | 1494352       | 1        | 8           | 75      | 1571            | 0               | 0               | 11939494       | 10500000                 | 11999999               |

Total number of pulses in waveform = 11

\*\*\*\*\*

**Type 5 Radar Waveform\_18**

Num of Bursts = 20  
Burst Interval (us)= 600000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 200076        | 3        | 18          | 75      | 1632            | 1094            | 1000            | 200076         | 0                        | 599999                 |
| 2       | 963225        | 2        | 18          | 70      | 1075            | 1240            | 0               | 1167027        | 600000                   | 1199999                |
| 3       | 415663        | 3        | 18          | 70      | 1556            | 1377            | 1682            | 1585005        | 1200000                  | 1799999                |
| 4       | 540048        | 2        | 18          | 65      | 1882            | 1337            | 0               | 2129668        | 1800000                  | 2399999                |
| 5       | 457036        | 1        | 18          | 85      | 1877            | 0               | 0               | 2589923        | 2400000                  | 2999999                |
| 6       | 599173        | 1        | 18          | 80      | 1896            | 0               | 0               | 3190973        | 3000000                  | 3599999                |
| 7       | 443546        | 2        | 18          | 90      | 1933            | 1008            | 0               | 3636415        | 3600000                  | 4199999                |
| 8       | 808143        | 3        | 18          | 75      | 1982            | 1570            | 1630            | 4447499        | 4200000                  | 4799999                |
| 9       | 441114        | 3        | 18          | 90      | 1974            | 1829            | 1461            | 4893795        | 4800000                  | 5399999                |
| 10      | 1034359       | 3        | 18          | 70      | 1497            | 1700            | 1082            | 5933418        | 5400000                  | 5999999                |
| 11      | 109684        | 3        | 18          | 50      | 1619            | 1216            | 1705            | 6047381        | 6000000                  | 6599999                |
| 12      | 977922        | 2        | 18          | 90      | 1712            | 1083            | 0               | 7029843        | 6600000                  | 7199999                |
| 13      | 657281        | 3        | 18          | 100     | 1504            | 1692            | 1315            | 7689919        | 7200000                  | 7799999                |
| 14      | 568618        | 2        | 18          | 95      | 1809            | 1960            | 0               | 8263048        | 7800000                  | 8399999                |
| 15      | 718204        | 1        | 18          | 75      | 1241            | 0               | 0               | 8985021        | 8400000                  | 8999999                |
| 16      | 598148        | 2        | 18          | 80      | 1148            | 1469            | 0               | 9584410        | 9000000                  | 9599999                |
| 17      | 489174        | 2        | 18          | 65      | 1075            | 1504            | 0               | 10076201       | 9600000                  | 10199999               |
| 18      | 222366        | 1        | 18          | 80      | 1747            | 0               | 0               | 10301146       | 10200000                 | 10799999               |
| 19      | 599015        | 1        | 18          | 60      | 1531            | 0               | 0               | 10901908       | 10800000                 | 11399999               |
| 20      | 731328        | 3        | 18          | 85      | 1444            | 1037            | 1285            | 11634767       | 11400000                 | 11999999               |

Total number of pulses in waveform = 43

\*\*\*\*\*

**Type 5 Radar Waveform\_19**

Num of Bursts = 9  
Burst Interval (us)= 1333333

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri(us) | Pulse 2 Pri(us) | Pulse 3 Pri(us) | Start Loc (us) | Start Burst Interval(us) | End Burst Interval(us) |
|---------|---------------|----------|-------------|---------|-----------------|-----------------|-----------------|----------------|--------------------------|------------------------|
| 1       | 709578        | 3        | 19          | 75      | 1318            | 1971            | 1070            | 709578         | 0                        | 1333332                |
| 2       | 1078876       | 1        | 19          | 55      | 1928            | 0               | 0               | 1792813        | 1333333                  | 2666665                |
| 3       | 1433142       | 1        | 19          | 60      | 1574            | 0               | 0               | 3227883        | 2666666                  | 3999998                |
| 4       | 1812738       | 3        | 19          | 85      | 1039            | 1406            | 1908            | 5042195        | 3999999                  | 5333331                |
| 5       | 1168080       | 2        | 19          | 60      | 1010            | 1082            | 0               | 6214628        | 5333332                  | 6666664                |
| 6       | 509378        | 2        | 19          | 55      | 1499            | 1015            | 0               | 6726098        | 6666665                  | 7999997                |
| 7       | 2379580       | 2        | 19          | 70      | 1055            | 1612            | 0               | 9108192        | 7999998                  | 9333330                |
| 8       | 467331        | 2        | 19          | 80      | 1603            | 1129            | 0               | 9578190        | 9333331                  | 10666663               |
| 9       | 1629567       | 2        | 19          | 65      | 1120            | 1711            | 0               | 11210489       | 10666664                 | 11999996               |

Total number of pulses in waveform = 18

\*\*\*\*\*



## Type 5 Radar Waveform\_20

Num of Bursts = 19  
Burst Interval (us) = 631579

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 81455         | 3        | 17          | 90      | 1630             | 1095             | 1138             | 81455          | 0                         | 631578                  |
| 2       | 640402        | 2        | 17          | 100     | 1775             | 1428             | 0                | 725720         | 631579                    | 1263157                 |
| 3       | 650973        | 1        | 17          | 90      | 1882             | 0                | 0                | 1379896        | 1263158                   | 1894736                 |
| 4       | 532450        | 2        | 17          | 90      | 1500             | 1496             | 0                | 1914228        | 1894737                   | 2526315                 |
| 5       | 1235805       | 3        | 17          | 65      | 1404             | 1412             | 1769             | 3153029        | 2526316                   | 3157894                 |
| 6       | 425047        | 1        | 17          | 95      | 1867             | 0                | 0                | 3582661        | 3157895                   | 3789473                 |
| 7       | 482525        | 2        | 17          | 65      | 1533             | 1398             | 0                | 4067053        | 3789474                   | 4421052                 |
| 8       | 465401        | 3        | 17          | 80      | 1442             | 1274             | 1382             | 4535385        | 4421053                   | 5052631                 |
| 9       | 768163        | 2        | 17          | 90      | 1228             | 1726             | 0                | 5307646        | 5052632                   | 5684210                 |
| 10      | 922233        | 2        | 17          | 70      | 1463             | 1108             | 0                | 6232833        | 5684211                   | 6315789                 |
| 11      | 448199        | 3        | 17          | 65      | 1140             | 1598             | 1714             | 6683603        | 6315790                   | 6947368                 |
| 12      | 807305        | 1        | 17          | 95      | 1848             | 0                | 0                | 7495360        | 6947369                   | 7578947                 |
| 13      | 560682        | 3        | 17          | 65      | 1641             | 1223             | 1205             | 8057890        | 7578948                   | 8210526                 |
| 14      | 674289        | 2        | 17          | 100     | 1995             | 1432             | 0                | 8736248        | 8210527                   | 8842105                 |
| 15      | 457208        | 3        | 17          | 55      | 1940             | 1802             | 1484             | 9196883        | 8842106                   | 9473684                 |
| 16      | 807497        | 1        | 17          | 100     | 1786             | 0                | 0                | 10009606       | 9473685                   | 10105263                |
| 17      | 616350        | 2        | 17          | 50      | 1492             | 1207             | 0                | 10627742       | 10105264                  | 10736842                |
| 18      | 503430        | 2        | 17          | 50      | 1990             | 1558             | 0                | 11133871       | 10736843                  | 11368421                |
| 19      | 801194        | 2        | 17          | 85      | 1517             | 1449             | 0                | 11938613       | 11368422                  | 12000000                |

Total number of pulses in waveform = 40  
\*\*\*\*\*

## Type 5 Radar Waveform\_21

Num of Bursts = 18  
Burst Interval (us) = 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 295596        | 1        | 12          | 90      | 1008             | 0                | 0                | 295596         | 0                         | 666666                  |
| 2       | 823546        | 1        | 12          | 100     | 1766             | 0                | 0                | 1120150        | 666667                    | 1333333                 |
| 3       | 311316        | 3        | 12          | 75      | 1006             | 1454             | 1596             | 1433232        | 1333334                   | 2000000                 |
| 4       | 1207643       | 1        | 12          | 70      | 1304             | 0                | 0                | 2644931        | 2000001                   | 2666667                 |
| 5       | 461310        | 1        | 12          | 55      | 1371             | 0                | 0                | 3107545        | 2666668                   | 3333334                 |
| 6       | 595763        | 3        | 12          | 80      | 1060             | 1544             | 1008             | 3704679        | 3333335                   | 4000001                 |
| 7       | 405408        | 1        | 12          | 85      | 1773             | 0                | 0                | 4113699        | 4000002                   | 4666668                 |
| 8       | 1182768       | 3        | 12          | 85      | 1632             | 1406             | 1441             | 5298240        | 4666669                   | 5333335                 |
| 9       | 85067         | 2        | 12          | 75      | 1416             | 1801             | 0                | 5387786        | 5333336                   | 6000002                 |
| 10      | 1252862       | 2        | 12          | 85      | 1965             | 1725             | 0                | 6643865        | 6000003                   | 6666669                 |
| 11      | 551219        | 2        | 12          | 60      | 1532             | 1298             | 0                | 7198774        | 6666670                   | 7333336                 |
| 12      | 522474        | 1        | 12          | 70      | 1958             | 0                | 0                | 7724078        | 7333337                   | 8000003                 |
| 13      | 613136        | 2        | 12          | 50      | 1614             | 1984             | 0                | 8339172        | 8000004                   | 8666670                 |
| 14      | 424406        | 1        | 12          | 50      | 1250             | 0                | 0                | 8767176        | 8666671                   | 9333337                 |
| 15      | 649892        | 2        | 12          | 70      | 1394             | 1680             | 0                | 9418318        | 9333338                   | 10000004                |
| 16      | 598524        | 3        | 12          | 90      | 1622             | 1616             | 1832             | 10019916       | 10000005                  | 10666671                |
| 17      | 1134289       | 2        | 12          | 90      | 1795             | 1925             | 0                | 11159275       | 10666672                  | 11333338                |
| 18      | 211827        | 3        | 12          | 70      | 1565             | 1535             | 1020             | 11374822       | 11333339                  | 12000005                |

Total number of pulses in waveform = 34  
\*\*\*\*\*

## Type 5 Radar Waveform\_22

Num of Bursts = 16  
Burst Interval (us) = 750000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 29340         | 1        | 5           | 70      | 1713             | 0                | 0                | 29340          | 0                         | 749999                  |
| 2       | 1453610       | 1        | 5           | 95      | 1852             | 0                | 0                | 1484663        | 750000                    | 1499999                 |
| 3       | 287212        | 3        | 5           | 90      | 1300             | 1920             | 1852             | 1773727        | 1500000                   | 2249999                 |
| 4       | 490525        | 3        | 5           | 50      | 1912             | 1074             | 1478             | 2269324        | 2250000                   | 2999999                 |
| 5       | 1243936       | 3        | 5           | 50      | 1574             | 1249             | 1782             | 3517724        | 3000000                   | 3749999                 |
| 6       | 532014        | 3        | 5           | 55      | 1612             | 1758             | 1953             | 4054343        | 3750000                   | 4499999                 |
| 7       | 770598        | 1        | 5           | 85      | 1640             | 0                | 0                | 4830264        | 4500000                   | 5249999                 |
| 8       | 1075711       | 2        | 5           | 65      | 1250             | 1103             | 0                | 5907615        | 5250000                   | 5999999                 |
| 9       | 242594        | 2        | 5           | 75      | 1089             | 1521             | 0                | 6152562        | 6000000                   | 6749999                 |
| 10      | 830571        | 2        | 5           | 70      | 1768             | 1881             | 0                | 6985743        | 6750000                   | 7499999                 |
| 11      | 548199        | 2        | 5           | 60      | 1227             | 1630             | 0                | 7537591        | 7500000                   | 8249999                 |
| 12      | 1056465       | 2        | 5           | 95      | 1366             | 1416             | 0                | 8596913        | 8250000                   | 8999999                 |
| 13      | 984729        | 2        | 5           | 80      | 1252             | 1931             | 0                | 9584424        | 9000000                   | 9749999                 |
| 14      | 422609        | 1        | 5           | 70      | 1814             | 0                | 0                | 10010216       | 9750000                   | 10499999                |
| 15      | 531778        | 2        | 5           | 70      | 1062             | 1095             | 0                | 10543808       | 10500000                  | 11249999                |
| 16      | 1020639       | 1        | 5           | 70      | 1540             | 0                | 0                | 11566604       | 11250000                  | 11999999                |

Total number of pulses in waveform = 31  
\*\*\*\*\*



## Type 5 Radar Waveform\_23

Num of Bursts = 16  
Burst Interval (us) = 750000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 694108        | 2        | 10          | 55      | 1673             | 1597             | 0                | 694108         | 0                         | 749999                  |
| 2       | 704695        | 1        | 10          | 80      | 1246             | 0                | 0                | 1402073        | 750000                    | 1499999                 |
| 3       | 723101        | 3        | 10          | 65      | 1860             | 1978             | 1280             | 2126420        | 1500000                   | 2249999                 |
| 4       | 310864        | 2        | 10          | 85      | 1838             | 1400             | 0                | 2442402        | 2250000                   | 2999999                 |
| 5       | 863009        | 1        | 10          | 95      | 1368             | 0                | 0                | 3308649        | 3000000                   | 3749999                 |
| 6       | 685607        | 1        | 10          | 55      | 1153             | 0                | 0                | 3995624        | 3750000                   | 4499999                 |
| 7       | 1175522       | 2        | 10          | 95      | 1776             | 1719             | 0                | 5172299        | 4500000                   | 5249999                 |
| 8       | 381839        | 2        | 10          | 50      | 1403             | 1838             | 0                | 5557633        | 5250000                   | 5999999                 |
| 9       | 895916        | 3        | 10          | 50      | 1294             | 1751             | 1794             | 6456790        | 6000000                   | 6749999                 |
| 10      | 999626        | 3        | 10          | 100     | 1293             | 1248             | 1375             | 7461255        | 6750000                   | 7499999                 |
| 11      | 542853        | 2        | 10          | 60      | 1847             | 1003             | 0                | 8008024        | 7500000                   | 8249999                 |
| 12      | 780525        | 3        | 10          | 70      | 1009             | 1221             | 1778             | 8791399        | 8250000                   | 8999999                 |
| 13      | 253733        | 2        | 10          | 55      | 1203             | 1811             | 0                | 9049140        | 9000000                   | 9749999                 |
| 14      | 1225303       | 1        | 10          | 85      | 1523             | 0                | 0                | 10277457       | 9750000                   | 10499999                |
| 15      | 373517        | 1        | 10          | 55      | 1833             | 0                | 0                | 10652497       | 10500000                  | 11249999                |
| 16      | 662876        | 1        | 10          | 60      | 1807             | 0                | 0                | 11317206       | 11250000                  | 11999999                |

Total number of pulses in waveform = 30

\*\*\*\*\*

## Type 5 Radar Waveform\_24

Num of Bursts = 18  
Burst Interval (us) = 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 437271        | 2        | 19          | 100     | 1974             | 1734             | 0                | 437271         | 0                         | 666666                  |
| 2       | 539458        | 3        | 19          | 60      | 1573             | 1623             | 1800             | 980437         | 666667                    | 1333333                 |
| 3       | 782249        | 1        | 19          | 50      | 1237             | 0                | 0                | 1767682        | 1333334                   | 2000000                 |
| 4       | 621229        | 1        | 19          | 50      | 1705             | 0                | 0                | 2390148        | 2000001                   | 2666667                 |
| 5       | 526256        | 2        | 19          | 80      | 1269             | 1680             | 0                | 2918109        | 2666668                   | 3333334                 |
| 6       | 801697        | 3        | 19          | 60      | 1015             | 1188             | 1986             | 3722755        | 3333335                   | 4000001                 |
| 7       | 721040        | 3        | 19          | 100     | 1272             | 1579             | 1144             | 4447984        | 4000002                   | 4666668                 |
| 8       | 219384        | 2        | 19          | 85      | 1022             | 1653             | 0                | 4671363        | 4666669                   | 5333335                 |
| 9       | 689148        | 2        | 19          | 80      | 1353             | 1714             | 0                | 5363186        | 5333336                   | 6000002                 |
| 10      | 968856        | 3        | 19          | 95      | 1959             | 1434             | 1651             | 6335109        | 6000003                   | 6666669                 |
| 11      | 586495        | 1        | 19          | 90      | 1288             | 0                | 0                | 6926648        | 6666670                   | 7333336                 |
| 12      | 469288        | 1        | 19          | 80      | 1216             | 0                | 0                | 7397224        | 7333337                   | 8000003                 |
| 13      | 805628        | 1        | 19          | 75      | 1878             | 0                | 0                | 8204068        | 8000004                   | 8666670                 |
| 14      | 955207        | 2        | 19          | 60      | 1205             | 1610             | 0                | 9161153        | 8666671                   | 9333337                 |
| 15      | 616237        | 1        | 19          | 100     | 2000             | 0                | 0                | 9780205        | 9333338                   | 10000004                |
| 16      | 450307        | 2        | 19          | 95      | 1828             | 1253             | 0                | 10232512       | 10000005                  | 10666671                |
| 17      | 603978        | 2        | 19          | 65      | 1369             | 1101             | 0                | 10839571       | 10666672                  | 11333338                |
| 18      | 1112782       | 3        | 19          | 60      | 1071             | 1434             | 1819             | 11954823       | 11333339                  | 12000005                |

Total number of pulses in waveform = 35

\*\*\*\*\*

## Type 5 Radar Waveform\_25

Num of Bursts = 17  
Burst Interval (us) = 705882

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 404263        | 2        | 6           | 75      | 1118             | 1717             | 0                | 404263         | 0                         | 705881                  |
| 2       | 814243        | 1        | 6           | 55      | 1190             | 0                | 0                | 1221341        | 705882                    | 1411763                 |
| 3       | 845667        | 3        | 6           | 60      | 1768             | 1789             | 1109             | 2068198        | 1411764                   | 2117645                 |
| 4       | 179896        | 1        | 6           | 55      | 1151             | 0                | 0                | 2252760        | 2117646                   | 2823527                 |
| 5       | 585728        | 1        | 6           | 75      | 1529             | 0                | 0                | 2839639        | 2823528                   | 3529409                 |
| 6       | 1301889       | 2        | 6           | 85      | 1684             | 1278             | 0                | 4143057        | 3529410                   | 4235291                 |
| 7       | 117176        | 1        | 6           | 100     | 1369             | 0                | 0                | 4263195        | 4235292                   | 4941173                 |
| 8       | 888593        | 1        | 6           | 50      | 1523             | 0                | 0                | 5153157        | 4941174                   | 5647055                 |
| 9       | 748237        | 3        | 6           | 100     | 1321             | 1529             | 1626             | 5902917        | 5647056                   | 6352937                 |
| 10      | 868059        | 2        | 6           | 100     | 1608             | 1364             | 0                | 6775452        | 6352938                   | 7058819                 |
| 11      | 440371        | 1        | 6           | 70      | 1322             | 0                | 0                | 7218795        | 7058820                   | 7764701                 |
| 12      | 735903        | 2        | 6           | 75      | 1355             | 1474             | 0                | 7956020        | 7764702                   | 8470583                 |
| 13      | 654548        | 1        | 6           | 100     | 1875             | 0                | 0                | 8613397        | 8470584                   | 9176465                 |
| 14      | 874188        | 1        | 6           | 65      | 1413             | 0                | 0                | 9489460        | 9176466                   | 9882347                 |
| 15      | 558141        | 1        | 6           | 100     | 1472             | 0                | 0                | 10049014       | 9882348                   | 10588229                |
| 16      | 986635        | 2        | 6           | 65      | 1483             | 1545             | 0                | 11037121       | 10588230                  | 11294111                |
| 17      | 268332        | 2        | 6           | 65      | 1311             | 1301             | 0                | 11308481       | 11294112                  | 11999993                |

Total number of pulses in waveform = 27

\*\*\*\*\*

**Type 5 Radar Waveform\_26**

Num of Bursts = 8  
Burst Interval (us)= 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 697196        | 1        | 9           | 70      | 1079             | 0                | 0                | 697196         | 0                         | 1499999                 |
| 2       | 1959048       | 3        | 9           | 50      | 1106             | 1026             | 1509             | 2657323        | 1500000                   | 2999999                 |
| 3       | 761629        | 2        | 9           | 100     | 1757             | 1475             | 0                | 3422593        | 3000000                   | 4499999                 |
| 4       | 2328184       | 1        | 9           | 65      | 1421             | 0                | 0                | 5754009        | 4500000                   | 5999999                 |
| 5       | 1728193       | 1        | 9           | 90      | 1487             | 0                | 0                | 7483623        | 6000000                   | 7499999                 |
| 6       | 1263251       | 2        | 9           | 90      | 1980             | 1548             | 0                | 8748361        | 7500000                   | 8999999                 |
| 7       | 1096816       | 1        | 9           | 50      | 1767             | 0                | 0                | 9848705        | 9000000                   | 10499999                |
| 8       | 1358897       | 2        | 9           | 100     | 1970             | 1259             | 0                | 11209369       | 10500000                  | 11999999                |

Total number of pulses in waveform = 13

\*\*\*\*\*

**Type 5 Radar Waveform\_27**

Num of Bursts = 16  
Burst Interval (us)= 750000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 739176        | 3        | 8           | 65      | 1974             | 1843             | 1435             | 739176         | 0                         | 749999                  |
| 2       | 23473         | 2        | 8           | 95      | 1634             | 1055             | 0                | 767901         | 750000                    | 1499999                 |
| 3       | 815242        | 1        | 8           | 100     | 1244             | 0                | 0                | 1585832        | 1500000                   | 2249999                 |
| 4       | 906715        | 1        | 8           | 70      | 1649             | 0                | 0                | 2493791        | 2250000                   | 2999999                 |
| 5       | 979600        | 2        | 8           | 50      | 1084             | 1111             | 0                | 3475040        | 3000000                   | 3749999                 |
| 6       | 700511        | 3        | 8           | 70      | 1935             | 1912             | 1058             | 4177746        | 3750000                   | 4499999                 |
| 7       | 411835        | 2        | 8           | 90      | 1038             | 1339             | 0                | 4594486        | 4500000                   | 5249999                 |
| 8       | 1028717       | 2        | 8           | 65      | 1998             | 1234             | 0                | 5625580        | 5250000                   | 5999999                 |
| 9       | 420636        | 1        | 8           | 65      | 1459             | 0                | 0                | 6049448        | 6000000                   | 6749999                 |
| 10      | 1417413       | 3        | 8           | 75      | 1814             | 1039             | 1885             | 7468320        | 6750000                   | 7499999                 |
| 11      | 560895        | 1        | 8           | 100     | 1052             | 0                | 0                | 8033953        | 7500000                   | 8249999                 |
| 12      | 457973        | 1        | 8           | 90      | 1850             | 0                | 0                | 8492978        | 8250000                   | 8999999                 |
| 13      | 822068        | 2        | 8           | 55      | 1792             | 1680             | 0                | 9316896        | 9000000                   | 9749999                 |
| 14      | 1098873       | 2        | 8           | 50      | 1056             | 1433             | 0                | 10419241       | 9750000                   | 10499999                |
| 15      | 676641        | 3        | 8           | 60      | 1523             | 1223             | 1334             | 11098371       | 10500000                  | 11249999                |
| 16      | 731636        | 3        | 8           | 90      | 1406             | 1413             | 1563             | 11834087       | 11250000                  | 11999999                |

Total number of pulses in waveform = 32

\*\*\*\*\*

**Type 5 Radar Waveform\_28**

Num of Bursts = 20  
Burst Interval (us)= 600000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 373220        | 2        | 18          | 50      | 1668             | 1916             | 0                | 373220         | 0                         | 599999                  |
| 2       | 666822        | 2        | 18          | 50      | 1776             | 1963             | 0                | 1043626        | 600000                    | 1199999                 |
| 3       | 572412        | 1        | 18          | 100     | 1545             | 0                | 0                | 1619777        | 1200000                   | 1799999                 |
| 4       | 225136        | 3        | 18          | 90      | 1922             | 1795             | 1504             | 1846458        | 1800000                   | 2399999                 |
| 5       | 598051        | 1        | 18          | 95      | 1422             | 0                | 0                | 2449730        | 2400000                   | 2999999                 |
| 6       | 672882        | 2        | 18          | 95      | 1686             | 1990             | 0                | 3124034        | 3000000                   | 3599999                 |
| 7       | 938634        | 3        | 18          | 80      | 1986             | 1643             | 1468             | 4066344        | 3600000                   | 4199999                 |
| 8       | 362389        | 3        | 18          | 55      | 1679             | 1057             | 1297             | 4433830        | 4200000                   | 4799999                 |
| 9       | 568432        | 3        | 18          | 70      | 1800             | 1974             | 1524             | 5006295        | 4800000                   | 5399999                 |
| 10      | 409381        | 2        | 18          | 95      | 1138             | 1725             | 0                | 5420974        | 5400000                   | 5999999                 |
| 11      | 679625        | 1        | 18          | 100     | 1885             | 0                | 0                | 6103462        | 6000000                   | 6599999                 |
| 12      | 1049508       | 1        | 18          | 95      | 1876             | 0                | 0                | 7154855        | 6600000                   | 7199999                 |
| 13      | 347310        | 3        | 18          | 95      | 1528             | 1544             | 1610             | 7504041        | 7200000                   | 7799999                 |
| 14      | 689606        | 1        | 18          | 95      | 1450             | 0                | 0                | 8198329        | 7800000                   | 8399999                 |
| 15      | 298822        | 3        | 18          | 50      | 1374             | 1572             | 1584             | 8498601        | 8400000                   | 8999999                 |
| 16      | 890750        | 1        | 18          | 95      | 1227             | 0                | 0                | 9393881        | 9000000                   | 9599999                 |
| 17      | 370677        | 3        | 18          | 70      | 1536             | 1872             | 1073             | 9765785        | 9600000                   | 10199999                |
| 18      | 722335        | 3        | 18          | 60      | 1363             | 1626             | 1418             | 10492601       | 10200000                  | 10799999                |
| 19      | 327125        | 2        | 18          | 70      | 1908             | 1299             | 0                | 10824133       | 10800000                  | 11399999                |
| 20      | 577723        | 1        | 18          | 50      | 1064             | 0                | 0                | 11405063       | 11400000                  | 11999999                |

Total number of pulses in waveform = 41

\*\*\*\*\*

**Type 5 Radar Waveform\_29**Num of Bursts = 18  
Burst Interval (us) = 666667

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 329561        | 2        | 14          | 100     | 1375             | 1283             | 0                | 329561         | 0                         | 666666                  |
| 2       | 369600        | 3        | 14          | 85      | 1340             | 1953             | 1668             | 701819         | 666667                    | 1333333                 |
| 3       | 714858        | 3        | 14          | 100     | 1351             | 1270             | 1230             | 1421638        | 1333334                   | 2000000                 |
| 4       | 615046        | 1        | 14          | 50      | 1679             | 0                | 0                | 2040535        | 2000001                   | 2666667                 |
| 5       | 820412        | 2        | 14          | 95      | 1011             | 1893             | 0                | 2862626        | 2666668                   | 3333334                 |
| 6       | 855055        | 3        | 14          | 95      | 1514             | 1928             | 1939             | 3720585        | 3333335                   | 4000001                 |
| 7       | 565610        | 1        | 14          | 85      | 1924             | 0                | 0                | 4291576        | 4000002                   | 4666668                 |
| 8       | 764487        | 2        | 14          | 75      | 1805             | 1675             | 0                | 5057987        | 4666669                   | 5333335                 |
| 9       | 676679        | 3        | 14          | 90      | 1406             | 1557             | 1261             | 5738146        | 5333336                   | 6000002                 |
| 10      | 813403        | 2        | 14          | 65      | 1062             | 1278             | 0                | 6555773        | 6000003                   | 6666669                 |
| 11      | 149128        | 1        | 14          | 55      | 1423             | 0                | 0                | 6707241        | 6666670                   | 7333336                 |
| 12      | 857476        | 3        | 14          | 90      | 1925             | 1032             | 1862             | 7566140        | 7333337                   | 8000003                 |
| 13      | 986207        | 2        | 14          | 60      | 1635             | 1690             | 0                | 8557166        | 8000004                   | 8666670                 |
| 14      | 353604        | 2        | 14          | 70      | 1503             | 1277             | 0                | 8914095        | 8666671                   | 9333337                 |
| 15      | 894146        | 2        | 14          | 70      | 1080             | 1667             | 0                | 9811021        | 9333338                   | 10000004                |
| 16      | 370713        | 1        | 14          | 75      | 1786             | 0                | 0                | 10184481       | 10000005                  | 10666671                |
| 17      | 834866        | 2        | 14          | 85      | 1096             | 1975             | 0                | 11021133       | 10666672                  | 11333338                |
| 18      | 481411        | 1        | 14          | 55      | 1963             | 0                | 0                | 11505615       | 11333339                  | 12000005                |

Total number of pulses in waveform = 36

\*\*\*\*\*

**Type 5 Radar Waveform\_30**Num of Bursts = 8  
Burst Interval (us) = 1500000

| Burst # | Off Time (us) | # Pulses | Chirp (MHz) | PW (us) | Pulse 1 Pri (us) | Pulse 2 Pri (us) | Pulse 3 Pri (us) | Start Loc (us) | Start Burst Interval (us) | End Burst Interval (us) |
|---------|---------------|----------|-------------|---------|------------------|------------------|------------------|----------------|---------------------------|-------------------------|
| 1       | 129797        | 3        | 17          | 100     | 1586             | 1258             | 1120             | 129797         | 0                         | 1499999                 |
| 2       | 1391389       | 3        | 17          | 70      | 1796             | 1393             | 1981             | 1525150        | 1500000                   | 2999999                 |
| 3       | 2786125       | 3        | 17          | 60      | 1072             | 1513             | 1585             | 4316445        | 3000000                   | 4499999                 |
| 4       | 386473        | 2        | 17          | 55      | 1357             | 1171             | 0                | 4707088        | 4500000                   | 5999999                 |
| 5       | 1511903       | 2        | 17          | 90      | 1311             | 1969             | 0                | 6221519        | 6000000                   | 7499999                 |
| 6       | 2164914       | 1        | 17          | 70      | 1218             | 0                | 0                | 8389713        | 7500000                   | 8999999                 |
| 7       | 1799218       | 2        | 17          | 60      | 1291             | 1233             | 0                | 10190149       | 9000000                   | 10499999                |
| 8       | 1536712       | 2        | 17          | 55      | 1187             | 1531             | 0                | 11729385       | 10500000                  | 11999999                |

Total number of pulses in waveform = 18

\*\*\*\*\*

### Radar Type 6 - Radar Statistical Performance

| Trail #                  | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection | Trail # | Test Freq.<br>(MHz) | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|-------------------------------|---------|---------------------|-------------------------------|
| 1                        | 5253                | 1                             | 16      | 5298                | 1                             |
| 2                        | 5256                | 1                             | 17      | 5301                | 1                             |
| 3                        | 5259                | 1                             | 18      | 5304                | 1                             |
| 4                        | 5262                | 1                             | 19      | 5307                | 1                             |
| 5                        | 5265                | 1                             | 20      | 5310                | 1                             |
| 6                        | 5268                | 1                             | 21      | 5313                | 1                             |
| 7                        | 5271                | 1                             | 22      | 5316                | 1                             |
| 8                        | 5274                | 1                             | 23      | 5319                | 1                             |
| 9                        | 5277                | 1                             | 24      | 5322                | 1                             |
| 10                       | 5280                | 1                             | 25      | 5325                | 1                             |
| 11                       | 5283                | 1                             | 26      | 5328                | 1                             |
| 12                       | 5286                | 1                             | 27      | 5271                | 1                             |
| 13                       | 5289                | 1                             | 28      | 5290                | 1                             |
| 14                       | 5292                | 1                             | 29      | 5311                | 1                             |
| 15                       | 5295                | 1                             | 30      | 5327                | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 5                 | 5348            | 15               | 6                 | 5315            | 18               |
| 7                 | 5329            | 21               | 7                 | 5329            | 21               |
| 14                | 5352            | 42               | 13                | 5304            | 39               |
| 18                | 5338            | 54               | 15                | 5333            | 45               |
| 22                | 5316            | 66               | 19                | 5298            | 57               |
| 23                | 5343            | 69               | 21                | 5338            | 63               |
| 27                | 5335            | 81               | 28                | 5341            | 84               |
| 66                | 5341            | 198              | 32                | 5318            | 96               |
| 68                | 5300            | 204              | 56                | 5342            | 168              |
| 75                | 5351            | 225              | 63                | 5336            | 189              |
| 80                | 5355            | 240              | --                | --              | --               |
| 85                | 5336            | 255              | --                | --              | --               |
| 87                | 5319            | 261              | --                | --              | --               |
| 88                | 5342            | 264              | --                | --              | --               |
| 90                | 5317            | 270              | --                | --              | --               |
| 95                | 5303            | 285              | --                | --              | --               |
| 99                | 5327            | 297              | --                | --              | --               |

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 18                | 5338            | 54               | 4                 | 5336            | 12               |
| 26                | 5315            | 78               | 12                | 5300            | 36               |
| 32                | 5354            | 96               | 16                | 5350            | 48               |
| 34                | 5322            | 102              | 18                | 5339            | 54               |
| 39                | 5317            | 117              | 19                | 5348            | 57               |
| 41                | 5319            | 123              | 24                | 5346            | 72               |
| 47                | 5298            | 141              | 27                | 5319            | 81               |
| 66                | 5342            | 198              | 30                | 5318            | 90               |
| 72                | 5318            | 216              | 33                | 5330            | 99               |
| 86                | 5301            | 258              | 44                | 5351            | 132              |
| 92                | 5323            | 276              | 49                | 5307            | 147              |
| 93                | 5302            | 279              | 71                | 5320            | 213              |
| 96                | 5308            | 288              | 75                | 5341            | 225              |
| --                | --              | --               | 87                | 5332            | 261              |
| --                | --              | --               | 95                | 5310            | 285              |

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 10                | 5333            | 30               | 7                 | 5354            | 21               |
| 34                | 5343            | 102              | 8                 | 5300            | 24               |
| 36                | 5300            | 108              | 9                 | 5350            | 27               |
| 37                | 5299            | 111              | 11                | 5310            | 33               |
| 38                | 5316            | 114              | 19                | 5339            | 57               |
| 39                | 5352            | 117              | 23                | 5336            | 69               |
| 43                | 5325            | 129              | 24                | 5320            | 72               |
| 49                | 5348            | 147              | 26                | 5343            | 78               |
| 51                | 5298            | 153              | 33                | 5327            | 99               |
| 57                | 5357            | 171              | 34                | 5342            | 102              |
| 83                | 5349            | 249              | 41                | 5305            | 123              |
| 87                | 5314            | 261              | 48                | 5306            | 144              |
| 95                | 5353            | 285              | 58                | 5302            | 174              |
| --                | --              | --               | 70                | 5313            | 210              |
| --                | --              | --               | 72                | 5322            | 216              |
| --                | --              | --               | 81                | 5338            | 243              |
| --                | --              | --               | 82                | 5312            | 246              |
| --                | --              | --               | 83                | 5335            | 249              |
| --                | --              | --               | 85                | 5341            | 255              |
| --                | --              | --               | 92                | 5329            | 276              |

| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 7                 | 5353            | 21               | 0                 | 5317            | 0                |
| 22                | 5325            | 66               | 25                | 5336            | 75               |
| 26                | 5303            | 78               | 37                | 5354            | 111              |
| 31                | 5300            | 93               | 38                | 5357            | 114              |
| 46                | 5322            | 138              | 43                | 5335            | 129              |
| 48                | 5315            | 144              | 74                | 5339            | 222              |
| 56                | 5305            | 168              | 78                | 5352            | 234              |
| 66                | 5312            | 198              | 80                | 5313            | 240              |
| 69                | 5338            | 207              | 88                | 5338            | 264              |
| 81                | 5330            | 243              | 99                | 5347            | 297              |
| 83                | 5350            | 249              | --                | --              | --               |
| 88                | 5313            | 264              | --                | --              | --               |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                 | 5313            | 3                | 3                  | 5350            | 9                |
| 8                 | 5309            | 24               | 20                 | 5299            | 60               |
| 14                | 5300            | 42               | 33                 | 5327            | 99               |
| 16                | 5329            | 48               | 42                 | 5348            | 126              |
| 24                | 5341            | 72               | 49                 | 5310            | 147              |
| 38                | 5299            | 114              | 59                 | 5322            | 177              |
| 44                | 5352            | 132              | 83                 | 5336            | 249              |
| 46                | 5342            | 138              | 86                 | 5343            | 258              |
| 51                | 5297            | 153              | --                 | --              | --               |
| 56                | 5303            | 168              | --                 | --              | --               |
| 66                | 5347            | 198              | --                 | --              | --               |
| 69                | 5325            | 207              | --                 | --              | --               |
| 70                | 5298            | 210              | --                 | --              | --               |
| 86                | 5304            | 258              | --                 | --              | --               |
| 87                | 5302            | 261              | --                 | --              | --               |
| 96                | 5326            | 288              | --                 | --              | --               |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                  | 5350            | 24               | 1                  | 5303            | 3                |
| 12                 | 5301            | 36               | 3                  | 5321            | 9                |
| 18                 | 5337            | 54               | 20                 | 5339            | 60               |
| 24                 | 5346            | 72               | 21                 | 5298            | 63               |
| 33                 | 5305            | 99               | 25                 | 5301            | 75               |
| 42                 | 5349            | 126              | 27                 | 5337            | 81               |
| 46                 | 5344            | 138              | 32                 | 5354            | 96               |
| 50                 | 5307            | 150              | 52                 | 5313            | 156              |
| 53                 | 5304            | 159              | 53                 | 5325            | 159              |
| 57                 | 5324            | 171              | 55                 | 5318            | 165              |
| 76                 | 5317            | 228              | 62                 | 5326            | 186              |
| 78                 | 5352            | 234              | 71                 | 5302            | 213              |
| 83                 | 5345            | 249              | 73                 | 5299            | 219              |
| 98                 | 5356            | 294              | 75                 | 5329            | 225              |
| --                 | --              | --               | 76                 | 5331            | 228              |
| --                 | --              | --               | 83                 | 5346            | 249              |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 6                  | 5316            | 18               | 0                  | 5313            | 0                |
| 11                 | 5303            | 33               | 9                  | 5355            | 27               |
| 13                 | 5338            | 39               | 14                 | 5317            | 42               |
| 26                 | 5320            | 78               | 18                 | 5302            | 54               |
| 32                 | 5341            | 96               | 29                 | 5342            | 87               |
| 33                 | 5318            | 99               | 31                 | 5324            | 93               |
| 37                 | 5309            | 111              | 34                 | 5349            | 102              |
| 66                 | 5326            | 198              | 37                 | 5347            | 111              |
| 79                 | 5314            | 237              | 59                 | 5343            | 177              |
| 82                 | 5339            | 246              | 61                 | 5339            | 183              |
| 95                 | 5336            | 285              | 66                 | 5350            | 198              |
| --                 | --              | --               | 69                 | 5299            | 207              |
| --                 | --              | --               | 71                 | 5335            | 213              |
| --                 | --              | --               | 78                 | 5314            | 234              |
| --                 | --              | --               | 93                 | 5333            | 279              |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 0                  | 5356            | 0                | 5                  | 5313            | 15               |
| 9                  | 5316            | 27               | 9                  | 5316            | 27               |
| 11                 | 5321            | 33               | 13                 | 5354            | 39               |
| 13                 | 5298            | 39               | 17                 | 5325            | 51               |
| 18                 | 5353            | 54               | 19                 | 5342            | 57               |
| 21                 | 5308            | 63               | 20                 | 5324            | 60               |
| 22                 | 5337            | 66               | 24                 | 5315            | 72               |
| 24                 | 5347            | 72               | 29                 | 5356            | 87               |
| 26                 | 5342            | 78               | 40                 | 5341            | 120              |
| 28                 | 5303            | 84               | 47                 | 5344            | 141              |
| 38                 | 5332            | 114              | 54                 | 5333            | 162              |
| 54                 | 5311            | 162              | 61                 | 5323            | 183              |
| 59                 | 5329            | 177              | 69                 | 5298            | 207              |
| 60                 | 5313            | 180              | 72                 | 5317            | 216              |
| 63                 | 5348            | 189              | 75                 | 5320            | 225              |
| 65                 | 5315            | 195              | 95                 | 5355            | 285              |
| 81                 | 5307            | 243              | --                 | --              | --               |
| 85                 | 5355            | 255              | --                 | --              | --               |
| 91                 | 5309            | 273              | --                 | --              | --               |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 12                 | 5348            | 36               | 4                  | 5320            | 12               |
| 23                 | 5333            | 69               | 13                 | 5323            | 39               |
| 28                 | 5343            | 84               | 22                 | 5309            | 66               |
| 39                 | 5324            | 117              | 39                 | 5325            | 117              |
| 41                 | 5299            | 123              | 40                 | 5339            | 120              |
| 47                 | 5352            | 141              | 42                 | 5342            | 126              |
| 50                 | 5306            | 150              | 48                 | 5355            | 144              |
| 91                 | 5313            | 273              | 52                 | 5338            | 156              |
| 96                 | 5332            | 288              | 54                 | 5344            | 162              |
| 98                 | 5331            | 294              | 61                 | 5307            | 183              |
| --                 | --              | --               | 63                 | 5314            | 189              |
| --                 | --              | --               | 70                 | 5349            | 210              |
| --                 | --              | --               | 77                 | 5337            | 231              |
| --                 | --              | --               | 85                 | 5332            | 255              |
| --                 | --              | --               | 86                 | 5330            | 258              |
| --                 | --              | --               | 93                 | 5322            | 279              |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 22                 | 5310            | 66               | 17                 | 5344            | 51               |
| 28                 | 5302            | 84               | 19                 | 5315            | 57               |
| 30                 | 5308            | 90               | 22                 | 5298            | 66               |
| 33                 | 5335            | 99               | 23                 | 5322            | 69               |
| 41                 | 5306            | 123              | 24                 | 5307            | 72               |
| 42                 | 5323            | 126              | 29                 | 5346            | 87               |
| 59                 | 5315            | 177              | 32                 | 5311            | 96               |
| 71                 | 5328            | 213              | 34                 | 5354            | 102              |
| 72                 | 5303            | 216              | 38                 | 5331            | 114              |
| 75                 | 5350            | 225              | 46                 | 5342            | 138              |
| 88                 | 5340            | 264              | 55                 | 5339            | 165              |
| 96                 | 5345            | 288              | 58                 | 5318            | 174              |
| 97                 | 5352            | 291              | 60                 | 5335            | 180              |
| --                 | --              | --               | 61                 | 5325            | 183              |
| --                 | --              | --               | 65                 | 5321            | 195              |
| --                 | --              | --               | 66                 | 5340            | 198              |
| --                 | --              | --               | 69                 | 5304            | 207              |
| --                 | --              | --               | 88                 | 5329            | 264              |
| --                 | --              | --               | 89                 | 5310            | 267              |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 0                  | 5336            | 0                | 1                  | 5357            | 3                |
| 5                  | 5311            | 15               | 10                 | 5339            | 30               |
| 25                 | 5302            | 75               | 12                 | 5342            | 36               |
| 30                 | 5316            | 90               | 14                 | 5308            | 42               |
| 35                 | 5305            | 105              | 22                 | 5317            | 66               |
| 42                 | 5327            | 126              | 35                 | 5333            | 105              |
| 45                 | 5338            | 135              | 64                 | 5355            | 192              |
| 56                 | 5330            | 168              | 65                 | 5323            | 195              |
| 59                 | 5332            | 177              | 75                 | 5341            | 225              |
| 66                 | 5313            | 198              | 85                 | 5307            | 255              |
| 80                 | 5301            | 240              | 88                 | 5350            | 264              |
| 85                 | 5312            | 255              | 92                 | 5298            | 276              |
| 90                 | 5345            | 270              | --                 | --              | --               |
| 96                 | 5339            | 288              | --                 | --              | --               |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 7                  | 5324            | 21               | 8                  | 5315            | 24               |
| 12                 | 5353            | 36               | 18                 | 5348            | 54               |
| 18                 | 5355            | 54               | 24                 | 5329            | 72               |
| 40                 | 5337            | 120              | 30                 | 5345            | 90               |
| 44                 | 5336            | 132              | 51                 | 5309            | 153              |
| 56                 | 5310            | 168              | 52                 | 5326            | 156              |
| 68                 | 5322            | 204              | 62                 | 5305            | 186              |
| 70                 | 5351            | 210              | 70                 | 5322            | 210              |
| 72                 | 5350            | 216              | 71                 | 5355            | 213              |
| 73                 | 5334            | 219              | 78                 | 5323            | 234              |
| 90                 | 5338            | 270              | 79                 | 5313            | 237              |
| 96                 | 5347            | 288              | 95                 | 5332            | 285              |
| 98                 | 5308            | 294              | 96                 | 5353            | 288              |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 13                 | 5323            | 39               | 3                  | 5323            | 9                |
| 19                 | 5352            | 57               | 8                  | 5348            | 24               |
| 29                 | 5320            | 87               | 17                 | 5342            | 51               |
| 41                 | 5301            | 123              | 19                 | 5335            | 57               |
| 55                 | 5355            | 165              | 29                 | 5344            | 87               |
| 71                 | 5332            | 213              | 40                 | 5302            | 120              |
| 76                 | 5307            | 228              | 53                 | 5354            | 159              |
| 81                 | 5356            | 243              | 67                 | 5341            | 201              |
| 87                 | 5314            | 261              | 76                 | 5328            | 228              |
| 90                 | 5336            | 270              | 86                 | 5322            | 258              |
| 91                 | 5324            | 273              | --                 | --              | --               |
| 98                 | 5338            | 294              | --                 | --              | --               |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5299            | 12               | 5                  | 5312            | 15               |
| 15                 | 5324            | 45               | 8                  | 5338            | 24               |
| 28                 | 5343            | 84               | 14                 | 5300            | 42               |
| 29                 | 5325            | 87               | 28                 | 5351            | 84               |
| 30                 | 5313            | 90               | 36                 | 5330            | 108              |
| 33                 | 5339            | 99               | 40                 | 5322            | 120              |
| 41                 | 5322            | 123              | 45                 | 5315            | 135              |
| 45                 | 5356            | 135              | 57                 | 5314            | 171              |
| 56                 | 5348            | 168              | 59                 | 5342            | 177              |
| 57                 | 5305            | 171              | 67                 | 5299            | 201              |
| 76                 | 5307            | 228              | 75                 | 5348            | 225              |
| 86                 | 5331            | 258              | 80                 | 5329            | 240              |
| 93                 | 5316            | 279              | 94                 | 5324            | 282              |
| 98                 | 5318            | 294              | 97                 | 5355            | 291              |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5318            | 6                | 3                  | 5353            | 9                |
| 5                  | 5313            | 15               | 23                 | 5308            | 69               |
| 9                  | 5340            | 27               | 24                 | 5315            | 72               |
| 22                 | 5354            | 66               | 32                 | 5304            | 96               |
| 31                 | 5326            | 93               | 34                 | 5319            | 102              |
| 38                 | 5317            | 114              | 36                 | 5338            | 108              |
| 43                 | 5346            | 129              | 42                 | 5317            | 126              |
| 68                 | 5300            | 204              | 46                 | 5321            | 138              |
| 87                 | 5320            | 261              | 62                 | 5352            | 186              |
| 88                 | 5337            | 264              | 80                 | 5348            | 240              |
| 95                 | 5353            | 285              | --                 | --              | --               |

## 6. CONCLUSION

The data collected relate only the item(s) tested and show that the **ACCESS POINT FCC ID:**

**Q9DAPINH203** is in compliance with Part 15E of the FCC Rules.

---

The End