

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5524            | 9                | 5                  | 5527            | 15               |
| 26                 | 5510            | 78               | 14                 | 5522            | 42               |
| 30                 | 5521            | 90               | 34                 | 5494            | 102              |
| 34                 | 5506            | 102              | 78                 | 5529            | 234              |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 11                 | 5520            | 33               | 2                  | 5526            | 6                |
| 13                 | 5510            | 39               | 6                  | 5529            | 18               |
| 22                 | 5518            | 66               | 18                 | 5492            | 54               |
| 47                 | 5506            | 141              | 27                 | 5525            | 81               |
| 56                 | 5521            | 168              | 30                 | 5516            | 90               |
| 60                 | 5495            | 180              | 54                 | 5524            | 162              |
| 68                 | 5513            | 204              | 80                 | 5517            | 240              |
| 85                 | 5501            | 255              | 84                 | 5508            | 252              |
| 95                 | 5497            | 285              | 88                 | 5513            | 264              |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 10                 | 5523            | 30               | 26                 | 5499            | 78               |
| 42                 | 5517            | 126              | 43                 | 5498            | 129              |
| 57                 | 5496            | 171              | 45                 | 5522            | 135              |
| 61                 | 5494            | 183              | 54                 | 5495            | 162              |
| 67                 | 5501            | 201              | 75                 | 5491            | 225              |
| 74                 | 5491            | 222              | 78                 | 5513            | 234              |
| 80                 | 5511            | 240              | 96                 | 5524            | 288              |
| --                 | --              | --               | 99                 | 5497            | 297              |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5526            | 9                | 7                  | 5521            | 21               |
| 4                  | 5496            | 12               | 29                 | 5529            | 87               |
| 13                 | 5511            | 39               | 31                 | 5520            | 93               |
| 15                 | 5508            | 45               | 53                 | 5528            | 159              |
| 17                 | 5528            | 51               | 57                 | 5490            | 171              |
| 21                 | 5497            | 63               | 86                 | 5507            | 258              |
| 23                 | 5495            | 69               | --                 | --              | --               |
| 27                 | 5516            | 81               | --                 | --              | --               |
| 69                 | 5525            | 207              | --                 | --              | --               |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 11                 | 5494            | 33               | 6                  | 5528            | 18               |
| 23                 | 5520            | 69               | 10                 | 5526            | 30               |
| 28                 | 5519            | 84               | 25                 | 5491            | 75               |
| 42                 | 5495            | 126              | 30                 | 5509            | 90               |
| 55                 | 5502            | 165              | 43                 | 5527            | 129              |
| 71                 | 5512            | 213              | 45                 | 5500            | 135              |
| 87                 | 5496            | 261              | 59                 | 5498            | 177              |
| --                 | --              | --               | 68                 | 5503            | 204              |
| --                 | --              | --               | 73                 | 5519            | 219              |
| --                 | --              | --               | 81                 | 5492            | 243              |
| --                 | --              | --               | 93                 | 5529            | 279              |
| --                 | --              | --               | 97                 | 5520            | 291              |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5525            | 3                | 13                 | 5501            | 39               |
| 14                 | 5527            | 42               | 24                 | 5519            | 72               |
| 15                 | 5497            | 45               | 35                 | 5517            | 105              |
| 38                 | 5516            | 114              | 80                 | 5526            | 240              |
| 54                 | 5503            | 162              | 89                 | 5528            | 267              |
| 63                 | 5502            | 189              | 94                 | 5510            | 282              |
| 69                 | 5518            | 207              | --                 | --              | --               |
| 77                 | 5498            | 231              | --                 | --              | --               |
| 80                 | 5509            | 240              | --                 | --              | --               |
| 81                 | 5512            | 243              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5522            | 3                | 27                 | 5515            | 81               |
| 23                 | 5507            | 69               | 36                 | 5511            | 108              |
| 38                 | 5490            | 114              | 39                 | 5525            | 117              |
| 39                 | 5508            | 117              | 54                 | 5520            | 162              |
| 47                 | 5495            | 141              | 63                 | 5508            | 189              |
| 49                 | 5521            | 147              | 71                 | 5518            | 213              |
| 75                 | 5493            | 225              | 98                 | 5509            | 294              |
| 76                 | 5496            | 228              | 99                 | 5514            | 297              |
| 81                 | 5512            | 243              | 100                | 5522            | 300              |
| 89                 | 5523            | 267              | --                 | --              | --               |
| 94                 | 5502            | 282              | --                 | --              | --               |
| 95                 | 5509            | 285              | --                 | --              | --               |
| 97                 | 5501            | 291              | --                 | --              | --               |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5527            | 12               | 21                 | 5505            | 63               |
| 7                  | 5499            | 21               | 23                 | 5518            | 69               |
| 9                  | 5516            | 27               | 41                 | 5530            | 123              |
| 23                 | 5494            | 69               | 47                 | 5514            | 141              |
| 35                 | 5530            | 105              | 50                 | 5511            | 150              |
| 68                 | 5497            | 204              | 57                 | 5495            | 171              |
| 75                 | 5523            | 225              | 70                 | 5516            | 210              |
| --                 | --              | --               | 86                 | 5507            | 258              |
| --                 | --              | --               | 97                 | 5509            | 291              |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 7                  | 5512            | 21               | 7                  | 5525            | 21               |
| 14                 | 5514            | 42               | 44                 | 5493            | 132              |
| 21                 | 5510            | 63               | 58                 | 5507            | 174              |
| 36                 | 5499            | 108              | 71                 | 5505            | 213              |
| 43                 | 5520            | 129              | 84                 | 5530            | 252              |
| 52                 | 5502            | 156              | 90                 | 5515            | 270              |
| 55                 | 5505            | 165              | 93                 | 5511            | 279              |
| 80                 | 5497            | 240              | --                 | --              | --               |
| 82                 | 5493            | 246              | --                 | --              | --               |
| 85                 | 5492            | 255              | --                 | --              | --               |
| 89                 | 5504            | 267              | --                 | --              | --               |
| 96                 | 5503            | 288              | --                 | --              | --               |

|       |                                                                    |      |            |
|-------|--------------------------------------------------------------------|------|------------|
| 待測物名稱 | AX6600 Wi-Fi 6 三頻電競路由器                                             | 溫度   | 27°C       |
| 測試工程師 | Kevin Ker                                                          | 濕度   | 65%        |
| 測試場地  | AC1                                                                | 測試日期 | 2020/04/09 |
| 測試項目  | Radar Statistical Performance Check (802.11ax-HE80 mode – 5530MHz) |      |            |

#### 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       | 5491                | 1                   | 758      | 70             | 1                             |
| 2       | 5491                | 1                   | 578      | 92             | 1                             |
| 3       | 5500                | 1                   | 898      | 59             | 1                             |
| 4       | 5500                | 1                   | 658      | 81             | 1                             |
| 5       | 5509                | 1                   | 598      | 89             | 1                             |
| 6       | 5509                | 1                   | 798      | 67             | 1                             |
| 7       | 5510                | 1                   | 538      | 98             | 1                             |
| 8       | 5510                | 1                   | 778      | 68             | 1                             |
| 9       | 5511                | 1                   | 858      | 62             | 1                             |
| 10      | 5511                | 1                   | 738      | 72             | 1                             |
| 11      | 5520                | 1                   | 678      | 78             | 1                             |
| 12      | 5520                | 1                   | 698      | 76             | 1                             |
| 13      | 5529                | 1                   | 718      | 74             | 1                             |
| 14      | 5529                | 1                   | 818      | 65             | 1                             |
| 15      | 5530                | 1                   | 838      | 63             | 1                             |
| 16      | 5530                | 1                   | 2478     | 22             | 1                             |
| 17      | 5531                | 1                   | 2590     | 21             | 1                             |
| 18      | 5531                | 1                   | 1181     | 45             | 1                             |
| 19      | 5540                | 1                   | 2601     | 21             | 1                             |
| 20      | 5540                | 1                   | 2679     | 20             | 1                             |
| 21      | 5549                | 1                   | 1340     | 40             | 1                             |
| 22      | 5549                | 1                   | 1898     | 28             | 1                             |
| 23      | 5550                | 1                   | 2733     | 20             | 1                             |
| 24      | 5550                | 1                   | 1202     | 44             | 1                             |
| 25      | 5551                | 1                   | 1704     | 31             | 1                             |
| 26      | 5551                | 1                   | 1191     | 45             | 1                             |

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 27                       | 5560                | 1                   | 1866     | 29             | 1                             |
| 28                       | 5560                | 1                   | 1743     | 31             | 1                             |
| 29                       | 5569                | 1                   | 2743     | 20             | 1                             |
| 30                       | 5569                | 1                   | 2966     | 18             | 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                        | 5491                | 2.7                 | 189      | 27             | 0                             |
| 2                        | 5491                | 2.5                 | 199      | 28             | 1                             |
| 3                        | 5500                | 2.6                 | 168      | 26             | 1                             |
| 4                        | 5500                | 2.1                 | 219      | 24             | 1                             |
| 5                        | 5509                | 3.4                 | 183      | 26             | 1                             |
| 6                        | 5509                | 2.1                 | 213      | 29             | 1                             |
| 7                        | 5510                | 3.3                 | 178      | 24             | 1                             |
| 8                        | 5510                | 2.4                 | 172      | 26             | 1                             |
| 9                        | 5511                | 4.4                 | 161      | 23             | 1                             |
| 10                       | 5511                | 3.5                 | 166      | 23             | 1                             |
| 11                       | 5520                | 4.3                 | 186      | 23             | 1                             |
| 12                       | 5520                | 3.6                 | 174      | 28             | 1                             |
| 13                       | 5529                | 4.1                 | 164      | 27             | 1                             |
| 14                       | 5529                | 3.3                 | 172      | 28             | 1                             |
| 15                       | 5530                | 1.7                 | 175      | 25             | 1                             |
| 16                       | 5530                | 1.9                 | 187      | 24             | 0                             |
| 17                       | 5531                | 4.3                 | 155      | 29             | 1                             |
| 18                       | 5531                | 3.0                 | 214      | 27             | 1                             |
| 19                       | 5540                | 4.3                 | 204      | 25             | 1                             |
| 20                       | 5540                | 3.0                 | 181      | 27             | 1                             |
| 21                       | 5549                | 4.3                 | 163      | 27             | 1                             |
| 22                       | 5549                | 4.5                 | 191      | 27             | 1                             |
| 23                       | 5550                | 1.1                 | 215      | 26             | 1                             |
| 24                       | 5550                | 2.3                 | 215      | 23             | 0                             |
| 25                       | 5551                | 1.9                 | 211      | 24             | 1                             |
| 26                       | 5551                | 3.3                 | 169      | 23             | 1                             |
| 27                       | 5560                | 3.7                 | 207      | 28             | 1                             |
| 28                       | 5560                | 1.8                 | 168      | 24             | 1                             |
| 29                       | 5569                | 3.5                 | 169      | 28             | 1                             |
| 30                       | 5569                | 4.1                 | 205      | 27             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 90%                           |

## 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                        | 5491                | 9.2                 | 372      | 17             | 1                             |
| 2                        | 5491                | 7.0                 | 488      | 17             | 1                             |
| 3                        | 5500                | 7.9                 | 210      | 18             | 1                             |
| 4                        | 5500                | 8.1                 | 269      | 17             | 1                             |
| 5                        | 5509                | 6.2                 | 473      | 17             | 1                             |
| 6                        | 5509                | 10.0                | 292      | 17             | 1                             |
| 7                        | 5510                | 8.8                 | 242      | 18             | 1                             |
| 8                        | 5510                | 6.6                 | 268      | 17             | 1                             |
| 9                        | 5511                | 7.4                 | 370      | 17             | 0                             |
| 10                       | 5511                | 7.3                 | 483      | 17             | 1                             |
| 11                       | 5520                | 7.5                 | 264      | 18             | 1                             |
| 12                       | 5520                | 7.5                 | 279      | 16             | 1                             |
| 13                       | 5529                | 6.6                 | 393      | 16             | 1                             |
| 14                       | 5529                | 6.4                 | 285      | 17             | 1                             |
| 15                       | 5530                | 9.8                 | 443      | 17             | 0                             |
| 16                       | 5530                | 8.9                 | 447      | 18             | 1                             |
| 17                       | 5531                | 7.8                 | 211      | 18             | 1                             |
| 18                       | 5531                | 8.9                 | 278      | 17             | 1                             |
| 19                       | 5540                | 6.6                 | 286      | 16             | 1                             |
| 20                       | 5540                | 8.7                 | 319      | 18             | 1                             |
| 21                       | 5549                | 8.1                 | 457      | 18             | 1                             |
| 22                       | 5549                | 7.4                 | 331      | 18             | 1                             |
| 23                       | 5550                | 7.5                 | 261      | 18             | 1                             |
| 24                       | 5550                | 9.5                 | 295      | 18             | 1                             |
| 25                       | 5551                | 8.6                 | 454      | 17             | 1                             |
| 26                       | 5551                | 7.2                 | 401      | 16             | 1                             |
| 27                       | 5560                | 7.0                 | 486      | 18             | 1                             |
| 28                       | 5560                | 6.9                 | 451      | 17             | 1                             |
| 29                       | 5569                | 8.0                 | 244      | 17             | 1                             |
| 30                       | 5569                | 7.2                 | 437      | 17             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 93.3%                         |

## 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                        | 5491                | 20.0                | 453      | 14             | 0                             |
| 2                        | 5491                | 15.1                | 430      | 13             | 1                             |
| 3                        | 5500                | 14.4                | 454      | 14             | 0                             |
| 4                        | 5500                | 14.1                | 450      | 16             | 0                             |
| 5                        | 5509                | 17.9                | 450      | 14             | 1                             |
| 6                        | 5509                | 17.5                | 245      | 16             | 0                             |
| 7                        | 5510                | 18.5                | 495      | 16             | 1                             |
| 8                        | 5510                | 17.8                | 272      | 13             | 1                             |
| 9                        | 5511                | 16.6                | 357      | 12             | 1                             |
| 10                       | 5511                | 12.5                | 344      | 14             | 1                             |
| 11                       | 5520                | 18.5                | 438      | 14             | 1                             |
| 12                       | 5520                | 13.6                | 210      | 12             | 1                             |
| 13                       | 5529                | 13.7                | 381      | 14             | 1                             |
| 14                       | 5529                | 11.0                | 287      | 15             | 1                             |
| 15                       | 5530                | 14.1                | 205      | 12             | 1                             |
| 16                       | 5530                | 14.9                | 329      | 15             | 1                             |
| 17                       | 5531                | 18.0                | 478      | 14             | 1                             |
| 18                       | 5531                | 19.1                | 323      | 16             | 1                             |
| 19                       | 5540                | 15.6                | 495      | 15             | 1                             |
| 20                       | 5540                | 16.8                | 304      | 13             | 1                             |
| 21                       | 5549                | 11.2                | 381      | 15             | 1                             |
| 22                       | 5549                | 13.8                | 421      | 14             | 1                             |
| 23                       | 5550                | 17.8                | 201      | 13             | 1                             |
| 24                       | 5550                | 19.1                | 374      | 14             | 1                             |
| 25                       | 5551                | 16.5                | 335      | 14             | 0                             |
| 26                       | 5551                | 16.6                | 259      | 14             | 1                             |
| 27                       | 5560                | 16.9                | 304      | 13             | 1                             |
| 28                       | 5560                | 15.6                | 414      | 15             | 1                             |
| 29                       | 5569                | 14.3                | 408      | 13             | 1                             |
| 30                       | 5569                | 19.1                | 486      | 15             | 0                             |
| Detection Percentage (%) |                     |                     |          |                | 80%                           |

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

waveforms is as follows:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 90\% + 93.3\% + 80\%) / 4 = 90.8\% (>80\%)$

## 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                        | 5530.0              | 1                             | 16      | 5497.4              | 1                             |
| 2                        | 5530.0              | 0                             | 17      | 5498.6              | 1                             |
| 3                        | 5530.0              | 1                             | 18      | 5497.0              | 1                             |
| 4                        | 5530.0              | 1                             | 19      | 5498.2              | 0                             |
| 5                        | 5530.0              | 0                             | 20      | 5497.0              | 1                             |
| 6                        | 5530.0              | 1                             | 21      | 5561.4              | 1                             |
| 7                        | 5530.0              | 1                             | 22      | 5565.8              | 1                             |
| 8                        | 5530.0              | 1                             | 23      | 5563.0              | 0                             |
| 9                        | 5530.0              | 1                             | 24      | 5563.4              | 1                             |
| 10                       | 5530.0              | 1                             | 25      | 5566.6              | 1                             |
| 11                       | 5493.8              | 1                             | 26      | 5567.0              | 1                             |
| 12                       | 5494.6              | 1                             | 27      | 5564.2              | 1                             |
| 13                       | 5496.2              | 1                             | 28      | 5565.4              | 0                             |
| 14                       | 5498.6              | 1                             | 29      | 5562.6              | 1                             |
| 15                       | 5497.0              | 1                             | 30      | 5561.0              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 83.3%                         |

| Type 5 Radar Waveform_1 |                     |                           |                      |                               |                               |                                             |
|-------------------------|---------------------|---------------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------|
| Burst                   | Number of<br>Pulses | Pulse<br>Width (μ<br>sec) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>PRI<br>(μsec) | Pulse 2-to-3<br>PRI<br>(μsec) | Start Location<br>Within Interval<br>(msec) |
| 1                       | 2                   | 64.7                      | 11                   | 1527                          |                               | 1.393                                       |
| 2                       | 3                   | 75.1                      | 11                   | 1722                          | 1784                          | 314.47                                      |
| 3                       | 2                   | 92.3                      | 11                   | 1620                          |                               | 164.79                                      |
| 4                       | 2                   | 52.6                      | 11                   | 1099                          |                               | 230.03                                      |
| 5                       | 3                   | 59.1                      | 11                   | 1284                          | 1713                          | 549.64                                      |
| 6                       | 2                   | 57.6                      | 11                   | 1368                          |                               | 133.64                                      |
| 7                       | 2                   | 58                        | 11                   | 1824                          |                               | 199.93                                      |
| 8                       | 3                   | 64                        | 11                   | 1581                          | 1020                          | 676.56                                      |
| 9                       | 1                   | 68.9                      | 11                   |                               |                               | 501.88                                      |
| 10                      | 2                   | 64.7                      | 11                   | 1741                          |                               | 59.14                                       |
| 11                      | 3                   | 77.4                      | 11                   | 1331                          | 1009                          | 691.5                                       |
| 12                      | 2                   | 64.9                      | 11                   | 1987                          |                               | 658.7                                       |
| 13                      | 2                   | 72.6                      | 11                   | 1751                          |                               | 49.2                                        |
| 14                      | 1                   | 96.2                      | 11                   |                               |                               | 409                                         |
| 15                      | 2                   | 92.1                      | 11                   | 1639                          |                               | 111.1                                       |
| 16                      | 3                   | 96.8                      | 11                   | 1865                          | 1153                          | 64.4                                        |

Type 5 Radar Waveform\_2

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 77.8                     | 11                |                               |                               | 263.349                               |
| 2     | 1                | 98.9                     | 11                |                               |                               | 431.197                               |
| 3     | 2                | 99.8                     | 11                | 1027                          |                               | 47.384                                |
| 4     | 2                | 66.1                     | 11                | 1119                          |                               | 175.971                               |
| 5     | 1                | 89.3                     | 11                |                               |                               | 796.429                               |
| 6     | 2                | 58.3                     | 11                | 1811                          |                               | 577.486                               |
| 7     | 1                | 61.4                     | 11                |                               |                               | 289.813                               |
| 8     | 2                | 50.4                     | 11                | 1029                          |                               | 561.35                                |
| 9     | 3                | 96.7                     | 11                | 1181                          | 1109                          | 219.537                               |
| 10    | 1                | 58                       | 11                |                               |                               | 694.154                               |
| 11    | 1                | 63.9                     | 11                |                               |                               | 671.551                               |
| 12    | 2                | 59.2                     | 11                | 1242                          |                               | 551.929                               |
| 13    | 2                | 71.8                     | 11                | 1590                          |                               | 235.986                               |
| 14    | 2                | 89.4                     | 11                | 1033                          |                               | 24.643                                |

Type 5 Radar Waveform\_3

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 86.5                     | 20                | 1570                          | 1512                          | 301.069                               |
| 2     | 1                | 58.6                     | 20                |                               |                               | 779.817                               |
| 3     | 3                | 73                       | 20                | 1903                          | 1784                          | 1179.653                              |
| 4     | 3                | 100                      | 20                | 1244                          | 1469                          | 636.8                                 |
| 5     | 2                | 83.1                     | 20                | 1255                          |                               | 1042.887                              |
| 6     | 1                | 68.5                     | 20                |                               |                               | 528.923                               |
| 7     | 2                | 52.2                     | 20                | 1170                          |                               | 347.45                                |
| 8     | 2                | 69.8                     | 20                | 1900                          |                               | 335.457                               |
| 9     | 2                | 90.5                     | 20                | 1615                          |                               | 1251.533                              |

Type 5 Radar Waveform\_4

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 66.7                     | 18                |                               |                               | 198.44                                |
| 2     | 1                | 85.7                     | 18                |                               |                               | 276.85                                |
| 3     | 3                | 96.9                     | 18                | 1090                          | 1703                          | 91.24                                 |
| 4     | 3                | 53                       | 18                | 1133                          | 1459                          | 578.04                                |
| 5     | 3                | 63.9                     | 18                | 1835                          | 1468                          | 264.5                                 |
| 6     | 3                | 63.9                     | 18                | 1623                          | 1663                          | 732.78                                |
| 7     | 2                | 92.3                     | 18                | 1224                          |                               | 730.65                                |
| 8     | 1                | 71.1                     | 18                |                               |                               | 754.77                                |
| 9     | 1                | 88.1                     | 18                |                               |                               | 714.98                                |
| 10    | 3                | 73.1                     | 18                | 1942                          | 1972                          | 571.23                                |
| 11    | 1                | 69.3                     | 18                |                               |                               | 467.98                                |
| 12    | 3                | 51.3                     | 18                | 1210                          | 1375                          | 700.21                                |
| 13    | 2                | 76.6                     | 18                | 1948                          |                               | 27.03                                 |
| 14    | 2                | 88                       | 18                | 1224                          |                               | 201.2                                 |
| 15    | 3                | 55.5                     | 18                | 1232                          | 1081                          | 131                                   |

## Type 5 Radar Waveform\_5

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 63.3                     | 6                 | 1674                          |                               | 672.498                               |
| 2     | 2                | 90.5                     | 6                 | 1605                          |                               | 759.21                                |
| 3     | 2                | 83                       | 6                 | 1157                          |                               | 39.22                                 |
| 4     | 1                | 83.4                     | 6                 |                               |                               | 455.71                                |
| 5     | 1                | 51                       | 6                 |                               |                               | 840.03                                |
| 6     | 1                | 87.8                     | 6                 |                               |                               | 581.12                                |
| 7     | 1                | 89.3                     | 6                 |                               |                               | 699.59                                |
| 8     | 1                | 54.5                     | 6                 |                               |                               | 761.43                                |
| 9     | 1                | 73.2                     | 6                 |                               |                               | 148.5                                 |
| 10    | 1                | 53.7                     | 6                 |                               |                               | 991.87                                |
| 11    | 2                | 83.1                     | 6                 | 1815                          |                               | 708.3                                 |
| 12    | 3                | 66.9                     | 6                 | 1221                          | 1259                          | 188                                   |

## Type 5 Radar Waveform\_6

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 90                       | 6                 |                               |                               | 911.017                               |
| 2     | 3                | 88.5                     | 6                 | 1224                          | 1642                          | 724.68                                |
| 3     | 3                | 62.9                     | 6                 | 1353                          | 1257                          | 569.74                                |
| 4     | 1                | 96.4                     | 6                 |                               |                               | 570.08                                |
| 5     | 2                | 64.6                     | 6                 | 1307                          |                               | 766.61                                |
| 6     | 1                | 83.1                     | 6                 |                               |                               | 80.84                                 |
| 7     | 2                | 95.1                     | 6                 | 1316                          |                               | 338.66                                |
| 8     | 3                | 95.1                     | 6                 | 1045                          | 1226                          | 572.98                                |
| 9     | 2                | 69.2                     | 6                 | 1551                          |                               | 543.6                                 |
| 10    | 3                | 66.5                     | 6                 | 1743                          | 1591                          | 286.8                                 |

## Type 5 Radar Waveform\_7

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 93.3                     | 9                 | 1796                          |                               | 16.09                                 |
| 2     | 2                | 57.8                     | 9                 | 1763                          |                               | 81.752                                |
| 3     | 3                | 60.5                     | 9                 | 1067                          | 1859                          | 824.114                               |
| 4     | 2                | 59.8                     | 9                 | 1508                          |                               | 603.431                               |
| 5     | 1                | 79.5                     | 9                 |                               |                               | 122.679                               |
| 6     | 2                | 60.8                     | 9                 | 1750                          |                               | 236.836                               |
| 7     | 2                | 96.6                     | 9                 | 1801                          |                               | 181.513                               |
| 8     | 2                | 94.6                     | 9                 | 1646                          |                               | 757.33                                |
| 9     | 2                | 87                       | 9                 | 1736                          |                               | 50.627                                |
| 10    | 1                | 74.7                     | 9                 |                               |                               | 764.324                               |
| 11    | 3                | 86.4                     | 9                 | 1597                          | 1745                          | 47.311                                |
| 12    | 2                | 53.3                     | 9                 | 1796                          |                               | 322.259                               |
| 13    | 3                | 80.3                     | 9                 | 1075                          | 1753                          | 667.386                               |
| 14    | 2                | 56.4                     | 9                 | 1379                          |                               | 268.943                               |

Type 5 Radar Waveform\_8

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 Spacing ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-----------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 62.9                     | 12                | 1132                              |                               | 100.996                               |
| 2     | 3                | 72.1                     | 12                | 1898                              | 1198                          | 663.377                               |
| 3     | 3                | 62.1                     | 12                | 1875                              | 1978                          | 244.583                               |
| 4     | 2                | 71.5                     | 12                | 1171                              |                               | 42.51                                 |
| 5     | 2                | 73.5                     | 12                | 1160                              |                               | 252.577                               |
| 6     | 2                | 50.6                     | 12                | 1327                              |                               | 738.713                               |
| 7     | 1                | 56.7                     | 12                |                                   |                               | 820.29                                |
| 8     | 2                | 85.8                     | 12                | 1590                              |                               | 533.787                               |
| 9     | 3                | 67.6                     | 12                | 1502                              | 1540                          | 188.433                               |

Type 5 Radar Waveform\_9

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 54.3                     | 6                 |                               |                               | 235.568                               |
| 2     | 3                | 51.6                     | 6                 | 1328                          | 1358                          | 543.173                               |
| 3     | 2                | 68.8                     | 6                 | 1519                          |                               | 345.357                               |
| 4     | 2                | 76.4                     | 6                 | 1831                          |                               | 404.06                                |
| 5     | 2                | 78.7                     | 6                 | 1655                          |                               | 313.393                               |
| 6     | 2                | 77.4                     | 6                 | 1510                          |                               | 46.627                                |
| 7     | 3                | 70.5                     | 6                 | 1636                          | 1570                          | 435.56                                |
| 8     | 2                | 60.9                     | 6                 | 1299                          |                               | 341.013                               |
| 9     | 1                | 90.5                     | 6                 |                               |                               | 162.927                               |
| 10    | 1                | 81.1                     | 6                 |                               |                               | 458.17                                |
| 11    | 2                | 64.7                     | 6                 | 1371                          |                               | 514.763                               |
| 12    | 2                | 77.1                     | 6                 | 1069                          |                               | 107.507                               |
| 13    | 2                | 98.1                     | 6                 | 1243                          |                               | 295.19                                |
| 14    | 2                | 61.9                     | 6                 | 1227                          |                               | 200.143                               |
| 15    | 3                | 69.7                     | 6                 | 1037                          | 1978                          | 359.507                               |
| 16    | 2                | 57.4                     | 6                 | 1873                          |                               | 442.4                                 |
| 17    | 2                | 81                       | 6                 | 1384                          |                               | 65.033                                |
| 18    | 1                | 53.3                     | 6                 |                               |                               | 79.367                                |

Type 5 Radar Waveform\_10

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 78.7                     | 19                | 1943                          |                               | 238.112                               |
| 2     | 3                | 57.4                     | 19                | 1275                          | 1210                          | 1295.087                              |
| 3     | 1                | 96.4                     | 19                |                               |                               | 777.793                               |
| 4     | 1                | 50.3                     | 19                |                               |                               | 422.86                                |
| 5     | 3                | 50.5                     | 19                | 1035                          | 1537                          | 492.037                               |
| 6     | 3                | 95                       | 19                | 1125                          | 1847                          | 29.003                                |
| 7     | 1                | 75.7                     | 19                |                               |                               | 924.21                                |
| 8     | 2                | 73                       | 19                | 1951                          |                               | 709.767                               |
| 9     | 1                | 85.8                     | 19                |                               |                               | 239.033                               |

Type 5 Radar Waveform\_11

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 92.5                     | 7                 | 1405                          |                               | 347.915                               |
| 2     | 2                | 91.4                     | 7                 | 1853                          |                               | 314.5                                 |
| 3     | 2                | 70.2                     | 7                 | 1032                          |                               | 216.52                                |
| 4     | 1                | 88.5                     | 7                 |                               |                               | 114.09                                |
| 5     | 2                | 68                       | 7                 | 1346                          |                               | 345.18                                |
| 6     | 3                | 88.8                     | 7                 | 1140                          | 1818                          | 171.46                                |
| 7     | 3                | 59.1                     | 7                 | 1766                          | 1374                          | 37.59                                 |
| 8     | 3                | 95.6                     | 7                 | 1453                          | 1095                          | 587.27                                |
| 9     | 3                | 51.2                     | 7                 | 1845                          | 1955                          | 547.49                                |
| 10    | 2                | 84                       | 7                 | 1858                          |                               | 443.41                                |
| 11    | 3                | 88.4                     | 7                 | 1483                          | 1946                          | 763.68                                |
| 12    | 1                | 81.9                     | 7                 |                               |                               | 776.6                                 |
| 13    | 2                | 86.3                     | 7                 | 1380                          |                               | 384.3                                 |
| 14    | 2                | 56.2                     | 7                 | 1008                          |                               | 489.1                                 |
| 15    | 2                | 70.5                     | 7                 | 1935                          |                               | 269.4                                 |

ype 5 Radar Waveform\_12

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 61.2                     | 9                 | 1017                          |                               | 479.376                               |
| 2     | 2                | 88.4                     | 9                 | 1982                          |                               | 329.25                                |
| 3     | 2                | 62.1                     | 9                 | 1418                          |                               | 701.63                                |
| 4     | 1                | 88.5                     | 9                 |                               |                               | 602.35                                |
| 5     | 2                | 64.9                     | 9                 | 1402                          |                               | 266.48                                |
| 6     | 2                | 61.5                     | 9                 | 1716                          |                               | 784.71                                |
| 7     | 3                | 86.5                     | 9                 | 1679                          | 1453                          | 704.08                                |
| 8     | 3                | 54.9                     | 9                 | 1087                          | 1572                          | 617.53                                |
| 9     | 3                | 94.8                     | 9                 | 1489                          | 1889                          | 412.14                                |
| 10    | 1                | 54.9                     | 9                 |                               |                               | 490                                   |
| 11    | 3                | 62.9                     | 9                 | 1154                          | 1462                          | 726.76                                |
| 12    | 1                | 87.8                     | 9                 |                               |                               | 111.02                                |
| 13    | 2                | 89.9                     | 9                 | 1328                          |                               | 670.2                                 |
| 14    | 2                | 55.5                     | 9                 | 1699                          |                               | 109.1                                 |
| 15    | 2                | 73                       | 9                 | 1997                          |                               | 530.4                                 |

Type 5 Radar Waveform\_13

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 76.1                     | 13                | 1697                          |                               | 66.704                                |
| 2     | 3                | 77.9                     | 13                | 1540                          | 1793                          | 408.45                                |
| 3     | 2                | 85.8                     | 13                | 1632                          |                               | 308.9                                 |
| 4     | 2                | 95                       | 13                | 1614                          |                               | 867.91                                |
| 5     | 2                | 51.5                     | 13                | 1261                          |                               | 67.46                                 |
| 6     | 2                | 99.1                     | 13                | 1345                          |                               | 395.17                                |
| 7     | 2                | 89                       | 13                | 1794                          |                               | 1.85                                  |
| 8     | 2                | 62.9                     | 13                | 1423                          |                               | 110.4                                 |
| 9     | 1                | 97.5                     | 13                |                               |                               | 931.7                                 |
| 10    | 2                | 68.2                     | 13                | 1854                          |                               | 840                                   |

Type 5 Radar Waveform\_14

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 90.9                     | 19                | 1330                          | 1922                          | 931.7                                 |
| 2     | 2                | 73                       | 19                | 1922                          |                               | 302.99                                |
| 3     | 2                | 96.2                     | 19                | 1640                          |                               | 38.99                                 |
| 4     | 3                | 51.8                     | 19                | 1836                          | 1588                          | 435.87                                |
| 5     | 2                | 60.6                     | 19                | 1511                          |                               | 161.95                                |
| 6     | 3                | 82.3                     | 19                | 1232                          | 1045                          | 39.23                                 |
| 7     | 2                | 87.8                     | 19                | 1050                          |                               | 1163.05                               |
| 8     | 2                | 99                       | 19                | 1160                          |                               | 147.04                                |
| 9     | 2                | 62.8                     | 19                | 1459                          |                               | 558.2                                 |
| 10    | 2                | 81.1                     | 19                | 1653                          |                               | 56.3                                  |

Type 5 Radar Waveform\_15

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 91.4                     | 15                | 1773                          |                               | 477.489                               |
| 2     | 1                | 96.1                     | 15                |                               |                               | 500.97                                |
| 3     | 3                | 77.6                     | 15                | 1653                          | 1273                          | 422.23                                |
| 4     | 2                | 76.2                     | 15                | 1699                          |                               | 413.5                                 |
| 5     | 1                | 51.1                     | 15                |                               |                               | 317.81                                |
| 6     | 2                | 71.9                     | 15                | 1714                          |                               | 187.17                                |
| 7     | 2                | 93.9                     | 15                | 1228                          |                               | 179.72                                |
| 8     | 2                | 74.6                     | 15                | 1998                          |                               | 47.32                                 |
| 9     | 2                | 56.8                     | 15                | 1146                          |                               | 306.17                                |
| 10    | 3                | 91.5                     | 15                | 1468                          | 1748                          | 25.24                                 |
| 11    | 1                | 98.9                     | 15                |                               |                               | 86.21                                 |
| 12    | 3                | 72.2                     | 15                | 1836                          | 1987                          | 2.44                                  |
| 13    | 3                | 65                       | 15                | 1651                          | 1754                          | 308.56                                |
| 14    | 3                | 52.6                     | 15                | 1645                          | 1673                          | 263.7                                 |
| 15    | 1                | 64                       | 15                |                               |                               | 225.77                                |
| 16    | 2                | 84.6                     | 15                | 1820                          |                               | 518.17                                |
| 17    | 2                | 85.9                     | 15                | 1666                          |                               | 450                                   |
| 18    | 2                | 93.3                     | 15                | 1355                          |                               | 506.6                                 |
| 19    | 2                | 76                       | 15                | 1202                          |                               | 264.6                                 |
| 20    | 3                | 52.2                     | 15                | 1690                          | 1343                          | 569.2                                 |

Type 5 Radar Waveform\_16

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 71.6                     | 16                | 1159                          | 1693                          | 810.052                               |
| 2     | 2                | 99.2                     | 16                | 1917                          |                               | 672.181                               |
| 3     | 1                | 74.2                     | 16                |                               |                               | 147.072                               |
| 4     | 3                | 81.4                     | 16                | 1390                          | 1219                          | 668.253                               |
| 5     | 2                | 96.8                     | 16                | 1874                          |                               | 43.664                                |
| 6     | 2                | 53.4                     | 16                | 1319                          |                               | 324.695                               |
| 7     | 2                | 54.2                     | 16                | 1823                          |                               | 380.185                               |
| 8     | 2                | 77.6                     | 16                | 1341                          |                               | 104.246                               |
| 9     | 2                | 88.1                     | 16                | 1450                          |                               | 836.177                               |
| 10    | 3                | 99.4                     | 16                | 1295                          | 1643                          | 746.118                               |
| 11    | 2                | 68.6                     | 16                | 1472                          |                               | 1032.009                              |

Type 5 Radar Waveform\_17

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 67                       | 19                | 1654                          |                               | 395.134                               |
| 2     | 2                | 86.8                     | 19                | 1252                          |                               | 423.337                               |
| 3     | 3                | 67.4                     | 19                | 1528                          | 1149                          | 692.934                               |
| 4     | 2                | 100                      | 19                | 1808                          |                               | 94.211                                |
| 5     | 3                | 55.2                     | 19                | 1233                          | 1779                          | 16.519                                |
| 6     | 2                | 95.4                     | 19                | 1654                          |                               | 292.366                               |
| 7     | 1                | 80.6                     | 19                |                               |                               | 201.843                               |
| 8     | 3                | 63.7                     | 19                | 1889                          | 1490                          | 265.85                                |
| 9     | 2                | 94                       | 19                | 1623                          |                               | 656.747                               |
| 10    | 3                | 77.9                     | 19                | 1739                          | 1922                          | 284.734                               |
| 11    | 2                | 71.3                     | 19                | 1403                          |                               | 411.641                               |
| 12    | 1                | 97.6                     | 19                |                               |                               | 276.459                               |
| 13    | 2                | 52.8                     | 19                | 1230                          |                               | 816.386                               |
| 14    | 2                | 74.8                     | 19                | 1722                          |                               | 553.243                               |

Type 5 Radar Waveform\_18

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 94                       | 15                |                               |                               | 976.415                               |
| 2     | 3                | 68.2                     | 15                | 1750                          | 1993                          | 474.17                                |
| 3     | 1                | 95                       | 15                |                               |                               | 324.62                                |
| 4     | 3                | 56.9                     | 15                | 1092                          | 1157                          | 412.02                                |
| 5     | 2                | 65.5                     | 15                | 1237                          |                               | 1123.73                               |
| 6     | 3                | 59.4                     | 15                | 1959                          | 1368                          | 451.46                                |
| 7     | 3                | 77.4                     | 15                | 1192                          | 1194                          | 199.51                                |
| 8     | 1                | 53.3                     | 15                |                               |                               | 1165.07                               |
| 9     | 1                | 62.6                     | 15                |                               |                               | 1060.9                                |
| 10    | 1                | 50.6                     | 15                |                               |                               | 244.7                                 |

Type 5 Radar Waveform\_19

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 55.6                     | 18                | 1523                          |                               | 845.138                               |
| 2     | 3                | 88.9                     | 18                | 1568                          | 1717                          | 240.043                               |
| 3     | 1                | 73.3                     | 18                |                               |                               | 346.396                               |
| 4     | 1                | 61.4                     | 18                |                               |                               | 228.339                               |
| 5     | 1                | 90.3                     | 18                |                               |                               | 728.382                               |
| 6     | 2                | 73.4                     | 18                | 1219                          |                               | 486.605                               |
| 7     | 3                | 70.1                     | 18                | 1131                          | 1678                          | 68.348                                |
| 8     | 1                | 55.9                     | 18                |                               |                               | 621.282                               |
| 9     | 1                | 54                       | 18                |                               |                               | 605.595                               |
| 10    | 2                | 64.7                     | 18                | 1585                          |                               | 554.928                               |
| 11    | 1                | 94.2                     | 18                |                               |                               | 164.361                               |
| 12    | 2                | 69.4                     | 18                | 1768                          |                               | 241.754                               |
| 13    | 2                | 60.9                     | 18                | 1369                          |                               | 12.577                                |

Type 5 Radar Waveform\_20

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 53.3                     | 15                | 1496                          |                               | 46.38                                 |
| 2     | 2                | 90.9                     | 15                | 1874                          |                               | 538.281                               |
| 3     | 1                | 92.6                     | 15                |                               |                               | 635.712                               |
| 4     | 2                | 74.6                     | 15                | 1059                          |                               | 725.883                               |
| 5     | 1                | 56.2                     | 15                |                               |                               | 315.714                               |
| 6     | 2                | 69.3                     | 15                | 1561                          |                               | 443.185                               |
| 7     | 2                | 74.7                     | 15                | 1392                          |                               | 899.395                               |
| 8     | 1                | 72.5                     | 15                |                               |                               | 518.896                               |
| 9     | 2                | 76.6                     | 15                | 1932                          |                               | 218.967                               |
| 10    | 3                | 57.5                     | 15                | 1879                          | 1971                          | 129.498                               |
| 11    | 2                | 76.8                     | 15                | 1737                          |                               | 578.309                               |

Type 5 Radar Waveform\_21

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 73.7                     | 19                | 1590                          |                               | 20.777                                |
| 2     | 1                | 58.3                     | 19                |                               |                               | 385.041                               |
| 3     | 2                | 86.5                     | 19                | 1784                          |                               | 593.422                               |
| 4     | 3                | 91.6                     | 19                | 1968                          | 1945                          | 306.383                               |
| 5     | 3                | 53.7                     | 19                | 1836                          | 1888                          | 47.584                                |
| 6     | 1                | 53.5                     | 19                |                               |                               | 465.635                               |
| 7     | 1                | 67.7                     | 19                |                               |                               | 202.446                               |
| 8     | 1                | 89.4                     | 19                |                               |                               | 135.857                               |
| 9     | 2                | 53.4                     | 19                | 1186                          |                               | 270.868                               |
| 10    | 3                | 97.3                     | 19                | 1846                          | 1810                          | 404.029                               |
| 11    | 2                | 51.2                     | 19                | 1059                          |                               | 612.971                               |
| 12    | 2                | 66.5                     | 19                | 1889                          |                               | 571.912                               |
| 13    | 2                | 92.9                     | 19                | 1027                          |                               | 390.023                               |
| 14    | 2                | 69.2                     | 19                | 1691                          |                               | 547.234                               |
| 15    | 2                | 86.2                     | 19                | 1378                          |                               | 436.165                               |
| 16    | 1                | 50.8                     | 19                |                               |                               | 549.916                               |
| 17    | 2                | 67.8                     | 19                | 1185                          |                               | 386.437                               |
| 18    | 2                | 89.1                     | 19                | 1747                          |                               | 317.758                               |
| 19    | 2                | 75                       | 19                | 1964                          |                               | 572.079                               |

Type 5 Radar Waveform\_22

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 53.1                     | 8                 | 1083                          |                               | 669.432                               |
| 2     | 2                | 93                       | 8                 | 1676                          |                               | 666.76                                |
| 3     | 3                | 75                       | 8                 | 1793                          | 1239                          | 1058.21                               |
| 4     | 1                | 88.3                     | 8                 |                               |                               | 365                                   |
| 5     | 1                | 59.1                     | 8                 |                               |                               | 834.89                                |
| 6     | 1                | 72.8                     | 8                 |                               |                               | 242.12                                |
| 7     | 3                | 61.7                     | 8                 | 1772                          | 1146                          | 427.71                                |
| 8     | 1                | 78.8                     | 8                 |                               |                               | 777.95                                |
| 9     | 1                | 63.2                     | 8                 |                               |                               | 946.4                                 |
| 10    | 3                | 78.8                     | 8                 | 1517                          | 1087                          | 547                                   |

Type 5 Radar Waveform\_23

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 90.6                     | 15                |                               |                               | 124.146                               |
| 2     | 1                | 93.7                     | 15                |                               |                               | 787.487                               |
| 3     | 1                | 93.7                     | 15                |                               |                               | 472.064                               |
| 4     | 2                | 52.9                     | 15                | 1548                          |                               | 635.301                               |
| 5     | 1                | 87.3                     | 15                |                               |                               | 513.839                               |
| 6     | 1                | 65.8                     | 15                |                               |                               | 357.736                               |
| 7     | 1                | 97.6                     | 15                |                               |                               | 361.703                               |
| 8     | 2                | 64.6                     | 15                | 1394                          |                               | 242.39                                |
| 9     | 2                | 51.1                     | 15                | 1393                          |                               | 32.097                                |
| 10    | 1                | 58.1                     | 15                |                               |                               | 107.604                               |
| 11    | 2                | 97.6                     | 15                | 1878                          |                               | 710.791                               |
| 12    | 2                | 72.2                     | 15                | 1960                          |                               | 42.859                                |
| 13    | 1                | 77.9                     | 15                |                               |                               | 573.686                               |
| 14    | 3                | 98.6                     | 15                | 1709                          | 1441                          | 145.243                               |

Type 5 Radar Waveform\_24

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 97.9                     | 14                | 1962                          | 1652                          | 378.356                               |
| 2     | 2                | 50.1                     | 14                | 1659                          |                               | 430.53                                |
| 3     | 2                | 56.9                     | 14                | 1917                          |                               | 385.79                                |
| 4     | 2                | 62.2                     | 14                | 1010                          |                               | 231.78                                |
| 5     | 2                | 57.6                     | 14                | 1457                          |                               | 701.72                                |
| 6     | 1                | 88                       | 14                |                               |                               | 47.33                                 |
| 7     | 1                | 61                       | 14                |                               |                               | 727.99                                |
| 8     | 1                | 52.7                     | 14                |                               |                               | 330.5                                 |
| 9     | 2                | 51.3                     | 14                | 1878                          |                               | 148.9                                 |
| 10    | 2                | 52.2                     | 14                | 1214                          |                               | 93.91                                 |
| 11    | 1                | 72                       | 14                |                               |                               | 55.96                                 |
| 12    | 2                | 70.3                     | 14                | 1266                          |                               | 124.16                                |
| 13    | 3                | 79.6                     | 14                | 1478                          | 1826                          | 125.73                                |
| 14    | 2                | 65.2                     | 14                | 1043                          |                               | 538.6                                 |
| 15    | 2                | 98.7                     | 14                | 1918                          |                               | 588.7                                 |
| 16    | 2                | 54.4                     | 14                | 1682                          |                               | 436                                   |

Type 5 Radar Waveform\_25

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 54.6                     | 6                 |                               |                               | 413.673                               |
| 2     | 3                | 68.6                     | 6                 | 1554                          | 1281                          | 363.857                               |
| 3     | 3                | 83.2                     | 6                 | 1029                          | 1138                          | 874.253                               |
| 4     | 2                | 79                       | 6                 | 1991                          |                               | 748.85                                |
| 5     | 3                | 58.7                     | 6                 | 1004                          | 1617                          | 327.037                               |
| 6     | 1                | 58.8                     | 6                 |                               |                               | 1163.273                              |
| 7     | 1                | 78.8                     | 6                 |                               |                               | 233.3                                 |
| 8     | 3                | 61.2                     | 6                 | 1031                          | 1394                          | 1321.967                              |
| 9     | 3                | 71.1                     | 6                 | 1395                          | 1814                          | 651.233                               |

Type 5 Radar Waveform\_26

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 55.9                     | 5                 | 1682                          |                               | 1143.92                               |
| 2     | 2                | 96.1                     | 5                 | 1217                          |                               | 135.937                               |
| 3     | 2                | 60.5                     | 5                 | 1407                          |                               | 1269.053                              |
| 4     | 3                | 63.5                     | 5                 | 1435                          | 1372                          | 501.69                                |
| 5     | 2                | 91.6                     | 5                 | 1409                          |                               | 29.247                                |
| 6     | 1                | 90.7                     | 5                 |                               |                               | 327.613                               |
| 7     | 1                | 57.2                     | 5                 |                               |                               | 482.7                                 |
| 8     | 3                | 74.6                     | 5                 | 1483                          | 1722                          | 292.777                               |
| 9     | 1                | 81                       | 5                 |                               |                               | 984.033                               |

Type 5 Radar Waveform\_27

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 80.3                     | 12                | 1713                          |                               | 674.843                               |
| 2     | 1                | 70.1                     | 12                |                               |                               | 553.11                                |
| 3     | 2                | 81.3                     | 12                | 1382                          |                               | 471.34                                |
| 4     | 3                | 93.3                     | 12                | 1114                          | 1194                          | 211.46                                |
| 5     | 2                | 50.9                     | 12                | 1176                          |                               | 644.27                                |
| 6     | 2                | 73.5                     | 12                | 1944                          |                               | 1.93                                  |
| 7     | 3                | 80.6                     | 12                | 1806                          | 1284                          | 427.11                                |
| 8     | 3                | 61.8                     | 12                | 1568                          | 1225                          | 365.12                                |
| 9     | 2                | 61.4                     | 12                | 1462                          |                               | 610.84                                |
| 10    | 2                | 86.5                     | 12                | 1551                          |                               | 208.72                                |
| 11    | 1                | 54.6                     | 12                |                               |                               | 719.55                                |
| 12    | 2                | 85.4                     | 12                | 1197                          |                               | 614.52                                |
| 13    | 1                | 96.9                     | 12                |                               |                               | 11.02                                 |
| 14    | 3                | 93.1                     | 12                | 1839                          | 1884                          | 691.4                                 |
| 15    | 2                | 59.6                     | 12                | 1860                          |                               | 424.7                                 |
| 16    | 2                | 67.6                     | 12                | 1258                          |                               | 418.3                                 |

Type 5 Radar Waveform\_28

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 80.8                     | 9                 |                               |                               | 350.672                               |
| 2     | 3                | 93.3                     | 9                 | 1783                          | 1527                          | 195.244                               |
| 3     | 2                | 55.2                     | 9                 | 1967                          |                               | 60.272                                |
| 4     | 2                | 52.8                     | 9                 | 1573                          |                               | 519.073                               |
| 5     | 2                | 76.2                     | 9                 | 1137                          |                               | 63.404                                |
| 6     | 1                | 93.2                     | 9                 |                               |                               | 234.675                               |
| 7     | 1                | 59.2                     | 9                 |                               |                               | 40.176                                |
| 8     | 1                | 79.7                     | 9                 |                               |                               | 551.307                               |
| 9     | 2                | 91.2                     | 9                 | 1595                          |                               | 516.648                               |
| 10    | 2                | 72.1                     | 9                 | 1757                          |                               | 344.709                               |
| 11    | 3                | 55.6                     | 9                 | 1842                          | 1740                          | 571.851                               |
| 12    | 3                | 73.9                     | 9                 | 1216                          | 1996                          | 482.402                               |
| 13    | 1                | 65.2                     | 9                 |                               |                               | 222.583                               |
| 14    | 1                | 89.4                     | 9                 |                               |                               | 556.724                               |
| 15    | 2                | 52.4                     | 9                 | 1674                          |                               | 146.955                               |
| 16    | 1                | 71.6                     | 9                 |                               |                               | 535.516                               |
| 17    | 3                | 100                      | 9                 | 1904                          | 1205                          | 534.637                               |
| 18    | 1                | 86.4                     | 9                 |                               |                               | 114.558                               |
| 19    | 3                | 87.7                     | 9                 | 1862                          | 1475                          | 13.079                                |

Type 5 Radar Waveform\_29

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 71.1                     | 16                | 1104                          |                               | 828.623                               |
| 2     | 2                | 50.6                     | 16                | 1577                          |                               | 188.613                               |
| 3     | 3                | 88.5                     | 16                | 1664                          | 1875                          | 771.986                               |
| 4     | 2                | 87.9                     | 16                | 1509                          |                               | 397.649                               |
| 5     | 2                | 93.6                     | 16                | 1201                          |                               | 546.082                               |
| 6     | 2                | 82.2                     | 16                | 1269                          |                               | 319.675                               |
| 7     | 1                | 93.6                     | 16                |                               |                               | 701.608                               |
| 8     | 1                | 88.8                     | 16                |                               |                               | 318.832                               |
| 9     | 3                | 60.3                     | 16                | 1979                          | 1323                          | 254.525                               |
| 10    | 2                | 68.7                     | 16                | 1642                          |                               | 813.278                               |
| 11    | 1                | 87.8                     | 16                |                               |                               | 403.611                               |
| 12    | 1                | 57.1                     | 16                |                               |                               | 904.354                               |
| 13    | 3                | 67.3                     | 16                | 1174                          | 1038                          | 694.377                               |

Type 5 Radar Waveform\_30

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 81.1                     | 20                |                               |                               | 562.587                               |
| 2     | 2                | 71.8                     | 20                | 1301                          |                               | 357.198                               |
| 3     | 1                | 52.3                     | 20                |                               |                               | 348.052                               |
| 4     | 3                | 58                       | 20                | 1178                          | 1175                          | 347.773                               |
| 5     | 1                | 73.9                     | 20                |                               |                               | 261.634                               |
| 6     | 2                | 57.2                     | 20                | 1175                          |                               | 487.645                               |
| 7     | 3                | 97.3                     | 20                | 1576                          | 1965                          | 315.626                               |
| 8     | 2                | 58.2                     | 20                | 1665                          |                               | 383.017                               |
| 9     | 2                | 50.4                     | 20                | 1563                          |                               | 527.458                               |
| 10    | 2                | 50.6                     | 20                | 1085                          |                               | 519.819                               |
| 11    | 1                | 62.9                     | 20                |                               |                               | 290.651                               |
| 12    | 3                | 53.3                     | 20                | 1809                          | 2000                          | 374.402                               |
| 13    | 2                | 69.5                     | 20                | 1339                          |                               | 297.813                               |
| 14    | 3                | 76.4                     | 20                | 1547                          | 1684                          | 30.664                                |
| 15    | 1                | 65.9                     | 20                |                               |                               | 412.365                               |
| 16    | 2                | 58.4                     | 20                | 1053                          |                               | 224.976                               |
| 17    | 3                | 65.8                     | 20                | 1477                          | 1776                          | 376.137                               |
| 18    | 2                | 86.2                     | 20                | 1169                          |                               | 554.458                               |
| 19    | 3                | 77.5                     | 20                | 1887                          | 1368                          | 113.879                               |

## 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                        | 5491                | 1                             | 16      | 5530                | 1                             |
| 2                        | 5491                | 1                             | 17      | 5531                | 1                             |
| 3                        | 5500                | 1                             | 18      | 5531                | 1                             |
| 4                        | 5500                | 1                             | 19      | 5540                | 1                             |
| 5                        | 5509                | 1                             | 20      | 5540                | 1                             |
| 6                        | 5509                | 1                             | 21      | 5549                | 1                             |
| 7                        | 5510                | 1                             | 22      | 5549                | 1                             |
| 8                        | 5510                | 1                             | 23      | 5550                | 1                             |
| 9                        | 5511                | 1                             | 24      | 5550                | 1                             |
| 10                       | 5511                | 1                             | 25      | 5551                | 1                             |
| 11                       | 5520                | 1                             | 26      | 5551                | 1                             |
| 12                       | 5520                | 1                             | 27      | 5560                | 1                             |
| 13                       | 5529                | 1                             | 28      | 5560                | 1                             |
| 14                       | 5529                | 1                             | 29      | 5569                | 1                             |
| 15                       | 5530                | 1                             | 30      | 5569                | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 3                 | 5521            | 9                | 5                 | 5568            | 15               |
| 11                | 5502            | 33               | 8                 | 5547            | 24               |
| 14                | 5542            | 42               | 27                | 5519            | 81               |
| 16                | 5539            | 48               | 29                | 5558            | 87               |
| 19                | 5526            | 57               | 31                | 5504            | 93               |
| 30                | 5501            | 90               | 38                | 5543            | 114              |
| 32                | 5561            | 96               | 43                | 5545            | 129              |
| 34                | 5565            | 102              | 50                | 5527            | 150              |
| 37                | 5490            | 111              | 59                | 5511            | 177              |
| 45                | 5498            | 135              | 62                | 5522            | 186              |
| 46                | 5510            | 138              | 71                | 5539            | 213              |
| 47                | 5546            | 141              | 75                | 5491            | 225              |
| 64                | 5515            | 192              | 82                | 5517            | 246              |
| 70                | 5494            | 210              | 84                | 5567            | 252              |
| 78                | 5499            | 234              | 86                | 5542            | 258              |
| 79                | 5537            | 237              | 88                | 5562            | 264              |
| 87                | 5538            | 261              | 96                | 5535            | 288              |
| 88                | 5530            | 264              | --                | --              | --               |
| 98                | 5566            | 294              | --                | --              | --               |

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 2                 | 5502            | 6                | 17                | 5568            | 51               |
| 3                 | 5555            | 9                | 28                | 5508            | 84               |
| 4                 | 5529            | 12               | 37                | 5546            | 111              |
| 5                 | 5534            | 15               | 52                | 5558            | 156              |
| 8                 | 5544            | 24               | 54                | 5530            | 162              |
| 9                 | 5506            | 27               | 56                | 5560            | 168              |
| 17                | 5548            | 51               | 57                | 5501            | 171              |
| 18                | 5501            | 54               | 61                | 5542            | 183              |
| 20                | 5518            | 60               | 65                | 5557            | 195              |
| 22                | 5497            | 66               | 71                | 5540            | 213              |
| 29                | 5517            | 87               | 74                | 5492            | 222              |
| 31                | 5566            | 93               | 86                | 5547            | 258              |
| 33                | 5500            | 99               | 87                | 5564            | 261              |
| 36                | 5496            | 108              | 88                | 5521            | 264              |
| 46                | 5498            | 138              | 95                | 5566            | 285              |
| 51                | 5553            | 153              | 100               | 5548            | 300              |
| 52                | 5564            | 156              | --                | --              | --               |
| 53                | 5491            | 159              | --                | --              | --               |
| 59                | 5556            | 177              | --                | --              | --               |
| 60                | 5511            | 180              | --                | --              | --               |
| 61                | 5499            | 183              | --                | --              | --               |
| 72                | 5535            | 216              | --                | --              | --               |
| 73                | 5513            | 219              | --                | --              | --               |
| 74                | 5492            | 222              | --                | --              | --               |
| 76                | 5490            | 228              | --                | --              | --               |
| 85                | 5532            | 255              | --                | --              | --               |
| 97                | 5538            | 291              | --                | --              | --               |

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 17                | 5496            | 51               | 10                | 5527            | 30               |
| 18                | 5561            | 54               | 13                | 5502            | 39               |
| 33                | 5543            | 99               | 16                | 5518            | 48               |
| 35                | 5559            | 105              | 18                | 5535            | 54               |
| 40                | 5511            | 120              | 26                | 5546            | 78               |
| 45                | 5562            | 135              | 31                | 5542            | 93               |
| 47                | 5490            | 141              | 34                | 5550            | 102              |
| 56                | 5515            | 168              | 48                | 5556            | 144              |
| 75                | 5531            | 225              | 49                | 5499            | 147              |
| 77                | 5554            | 231              | 50                | 5504            | 150              |
| 79                | 5522            | 237              | 53                | 5514            | 159              |
| 80                | 5547            | 240              | 59                | 5558            | 177              |
| 83                | 5499            | 249              | 61                | 5537            | 183              |
| 84                | 5558            | 252              | 67                | 5513            | 201              |
| 86                | 5527            | 258              | 80                | 5561            | 240              |
| 97                | 5508            | 291              | 82                | 5526            | 246              |
| 100               | 5510            | 300              | 92                | 5524            | 276              |

| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 3                 | 5537            | 9                | 10                | 5557            | 30               |
| 6                 | 5509            | 18               | 13                | 5510            | 39               |
| 11                | 5536            | 33               | 17                | 5544            | 51               |
| 14                | 5520            | 42               | 18                | 5523            | 54               |
| 16                | 5551            | 48               | 28                | 5529            | 84               |
| 20                | 5512            | 60               | 31                | 5566            | 93               |
| 22                | 5570            | 66               | 36                | 5533            | 108              |
| 23                | 5549            | 69               | 38                | 5554            | 114              |
| 45                | 5535            | 135              | 49                | 5516            | 147              |
| 64                | 5530            | 192              | 51                | 5568            | 153              |
| 77                | 5540            | 231              | 62                | 5548            | 186              |
| 94                | 5526            | 282              | 72                | 5514            | 216              |
| --                | --              | --               | 75                | 5546            | 225              |
| --                | --              | --               | 83                | 5499            | 249              |
| --                | --              | --               | 91                | 5502            | 273              |
| --                | --              | --               | 95                | 5534            | 285              |
| --                | --              | --               | 97                | 5517            | 291              |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                 | 5510            | 3                | 10                 | 5494            | 30               |
| 7                 | 5564            | 21               | 24                 | 5542            | 72               |
| 8                 | 5531            | 24               | 27                 | 5555            | 81               |
| 9                 | 5554            | 27               | 30                 | 5560            | 90               |
| 10                | 5553            | 30               | 31                 | 5510            | 93               |
| 12                | 5499            | 36               | 40                 | 5534            | 120              |
| 18                | 5559            | 54               | 44                 | 5509            | 132              |
| 21                | 5534            | 63               | 45                 | 5497            | 135              |
| 34                | 5537            | 102              | 56                 | 5551            | 168              |
| 46                | 5532            | 138              | 72                 | 5524            | 216              |
| 65                | 5518            | 195              | 78                 | 5521            | 234              |
| 66                | 5505            | 198              | 79                 | 5564            | 237              |
| 73                | 5548            | 219              | 91                 | 5554            | 273              |

|    |      |     |    |      |     |
|----|------|-----|----|------|-----|
| 74 | 5490 | 222 | 94 | 5532 | 282 |
| 81 | 5538 | 243 | 99 | 5504 | 297 |
| 82 | 5521 | 246 | -- | --   | --  |
| 86 | 5529 | 258 | -- | --   | --  |
| 91 | 5512 | 273 | -- | --   | --  |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5554            | 3                | 13                 | 5522            | 39               |
| 4                  | 5494            | 12               | 31                 | 5497            | 93               |
| 13                 | 5541            | 39               | 34                 | 5565            | 102              |
| 16                 | 5570            | 48               | 35                 | 5554            | 105              |
| 21                 | 5539            | 63               | 37                 | 5538            | 111              |
| 32                 | 5530            | 96               | 46                 | 5504            | 138              |
| 45                 | 5518            | 135              | 54                 | 5566            | 162              |
| 52                 | 5535            | 156              | 58                 | 5546            | 174              |
| 58                 | 5524            | 174              | 62                 | 5551            | 186              |
| 69                 | 5561            | 207              | 63                 | 5567            | 189              |
| 72                 | 5563            | 216              | 79                 | 5505            | 237              |
| 74                 | 5511            | 222              | 90                 | 5516            | 270              |
| 77                 | 5517            | 231              | --                 | --              | --               |
| 86                 | 5515            | 258              | --                 | --              | --               |
| 92                 | 5495            | 276              | --                 | --              | --               |
| 95                 | 5492            | 285              | --                 | --              | --               |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5541            | 9                | 6                  | 5514            | 18               |
| 8                  | 5492            | 24               | 8                  | 5551            | 24               |
| 19                 | 5507            | 57               | 10                 | 5506            | 30               |
| 24                 | 5552            | 72               | 15                 | 5508            | 45               |
| 36                 | 5540            | 108              | 19                 | 5566            | 57               |
| 46                 | 5563            | 138              | 23                 | 5490            | 69               |
| 51                 | 5516            | 153              | 45                 | 5505            | 135              |
| 69                 | 5512            | 207              | 50                 | 5549            | 150              |

|    |      |     |     |      |     |
|----|------|-----|-----|------|-----|
| 70 | 5499 | 210 | 56  | 5531 | 168 |
| 71 | 5520 | 213 | 65  | 5497 | 195 |
| 77 | 5506 | 231 | 74  | 5510 | 222 |
| 84 | 5525 | 252 | 78  | 5518 | 234 |
| 98 | 5498 | 294 | 80  | 5525 | 240 |
| 99 | 5554 | 297 | 85  | 5499 | 255 |
| 36 | 5540 | 108 | 88  | 5570 | 264 |
| 46 | 5563 | 138 | 95  | 5540 | 285 |
| -- | --   | --  | 100 | 5515 | 300 |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 7                  | 5567            | 21               | 7                  | 5503            | 21               |
| 13                 | 5566            | 39               | 8                  | 5504            | 24               |
| 26                 | 5558            | 78               | 15                 | 5495            | 45               |
| 34                 | 5551            | 102              | 20                 | 5557            | 60               |
| 36                 | 5521            | 108              | 23                 | 5544            | 69               |
| 44                 | 5498            | 132              | 26                 | 5532            | 78               |
| 57                 | 5549            | 171              | 29                 | 5567            | 87               |
| 66                 | 5544            | 198              | 35                 | 5568            | 105              |
| 87                 | 5535            | 261              | 41                 | 5494            | 123              |
| 95                 | 5557            | 285              | 49                 | 5565            | 147              |
| --                 | --              | --               | 50                 | 5562            | 150              |
| --                 | --              | --               | 52                 | 5506            | 156              |
| --                 | --              | --               | 60                 | 5521            | 180              |
| --                 | --              | --               | 63                 | 5524            | 189              |
| --                 | --              | --               | 66                 | 5497            | 198              |
| --                 | --              | --               | 74                 | 5501            | 222              |
| --                 | --              | --               | 80                 | 5545            | 240              |
| --                 | --              | --               | 84                 | 5551            | 252              |
| --                 | --              | --               | 89                 | 5520            | 267              |
| --                 | --              | --               | 92                 | 5525            | 276              |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5547            | 12               | 5                  | 5569            | 15               |
| 8                  | 5494            | 24               | 9                  | 5504            | 27               |
| 10                 | 5527            | 30               | 23                 | 5523            | 69               |
| 20                 | 5490            | 60               | 24                 | 5556            | 72               |
| 23                 | 5500            | 69               | 29                 | 5564            | 87               |
| 25                 | 5492            | 75               | 34                 | 5548            | 102              |
| 35                 | 5531            | 105              | 36                 | 5527            | 108              |
| 42                 | 5503            | 126              | 47                 | 5518            | 141              |
| 48                 | 5551            | 144              | 51                 | 5508            | 153              |
| 51                 | 5495            | 153              | 71                 | 5547            | 213              |
| 70                 | 5549            | 210              | 72                 | 5510            | 216              |
| 72                 | 5509            | 216              | 76                 | 5503            | 228              |
| 80                 | 5521            | 240              | 85                 | 5546            | 255              |
| 84                 | 5514            | 252              | 100                | 5490            | 300              |
| 90                 | 5533            | 270              | --                 | --              | --               |
| 92                 | 5536            | 276              | --                 | --              | --               |
| 97                 | 5508            | 291              | --                 | --              | --               |
| 98                 | 5553            | 294              | --                 | --              | --               |
| 99                 | 5530            | 297              | --                 | --              | --               |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5535            | 12               | 3                  | 5493            | 9                |
| 11                 | 5491            | 33               | 7                  | 5527            | 21               |
| 19                 | 5568            | 57               | 21                 | 5507            | 63               |
| 20                 | 5553            | 60               | 30                 | 5500            | 90               |
| 22                 | 5552            | 66               | 31                 | 5516            | 93               |
| 38                 | 5513            | 114              | 40                 | 5506            | 120              |
| 56                 | 5558            | 168              | 42                 | 5548            | 126              |
| 71                 | 5556            | 213              | 44                 | 5546            | 132              |
| 72                 | 5529            | 216              | 57                 | 5523            | 171              |
| 75                 | 5562            | 225              | 59                 | 5563            | 177              |
| 79                 | 5498            | 237              | 75                 | 5508            | 225              |
| 80                 | 5494            | 240              | 84                 | 5542            | 252              |
| 87                 | 5499            | 261              | 87                 | 5550            | 261              |
| 88                 | 5563            | 264              | 92                 | 5492            | 276              |
| 90                 | 5565            | 270              | 93                 | 5510            | 279              |
| 94                 | 5521            | 282              | 100                | 5501            | 300              |
| 97                 | 5517            | 291              | --                 | --              | --               |
| 99                 | 5507            | 297              | --                 | --              | --               |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5518            | 6                | 2                  | 5527            | 6                |
| 24                 | 5507            | 72               | 19                 | 5569            | 57               |
| 27                 | 5568            | 81               | 23                 | 5539            | 69               |
| 31                 | 5549            | 93               | 29                 | 5497            | 87               |
| 32                 | 5552            | 96               | 38                 | 5525            | 114              |
| 36                 | 5526            | 108              | 39                 | 5552            | 117              |
| 38                 | 5528            | 114              | 47                 | 5503            | 141              |
| 41                 | 5558            | 123              | 52                 | 5547            | 156              |
| 47                 | 5537            | 141              | 53                 | 5522            | 159              |
| 52                 | 5505            | 156              | 57                 | 5499            | 171              |
| 68                 | 5533            | 204              | 63                 | 5517            | 189              |
| 89                 | 5503            | 267              | 65                 | 5564            | 195              |
| 96                 | 5570            | 288              | 68                 | 5570            | 204              |
| --                 | --              | --               | 72                 | 5526            | 216              |
| --                 | --              | --               | 75                 | 5531            | 225              |
| --                 | --              | --               | 83                 | 5543            | 249              |
| --                 | --              | --               | 89                 | 5505            | 267              |
| --                 | --              | --               | 90                 | 5544            | 270              |
| --                 | --              | --               | 91                 | 5550            | 273              |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5517            | 6                | 15                 | 5524            | 45               |
| 4                  | 5547            | 12               | 17                 | 5496            | 51               |
| 17                 | 5492            | 51               | 22                 | 5565            | 66               |
| 29                 | 5514            | 87               | 27                 | 5569            | 81               |
| 36                 | 5527            | 108              | 29                 | 5514            | 87               |
| 38                 | 5524            | 114              | 39                 | 5531            | 117              |
| 41                 | 5564            | 123              | 46                 | 5493            | 138              |
| 53                 | 5544            | 159              | 49                 | 5550            | 147              |
| 58                 | 5554            | 174              | 52                 | 5528            | 156              |
| 63                 | 5542            | 189              | 53                 | 5549            | 159              |
| 67                 | 5518            | 201              | 59                 | 5534            | 177              |

|    |      |     |    |       |     |
|----|------|-----|----|-------|-----|
| 71 | 5538 | 213 | 62 | 5543  | 186 |
| 73 | 5528 | 219 | 63 | 5.507 | 189 |
| 74 | 5531 | 222 | 78 | 5.539 | 234 |
| 78 | 5549 | 234 | 91 | 5.522 | 273 |
| 80 | 5567 | 240 | -- | --    | --  |
| 84 | 5561 | 252 | -- | --    | --  |
| 86 | 5545 | 258 | -- | --    | --  |
| 88 | 5555 | 264 | -- | --    | --  |
| 93 | 5550 | 279 | -- | --    | --  |
| 98 | 5523 | 294 | -- | --    | --  |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5509            | 6                | 15                 | 5496            | 45               |
| 8                  | 5526            | 24               | 20                 | 5547            | 60               |
| 13                 | 5561            | 39               | 27                 | 5560            | 81               |
| 15                 | 5496            | 45               | 31                 | 5519            | 93               |
| 27                 | 5552            | 81               | 40                 | 5568            | 120              |
| 40                 | 5520            | 120              | 42                 | 5569            | 126              |
| 43                 | 5491            | 129              | 43                 | 5544            | 129              |
| 44                 | 5502            | 132              | 49                 | 5551            | 147              |
| 50                 | 5529            | 150              | 60                 | 5559            | 180              |
| 54                 | 5550            | 162              | 66                 | 5564            | 198              |
| 57                 | 5513            | 171              | 74                 | 5506            | 222              |
| 65                 | 5566            | 195              | 76                 | 5516            | 228              |
| 77                 | 5570            | 231              | 77                 | 5554            | 231              |
| 80                 | 5565            | 240              | 78                 | 5562            | 234              |
| 90                 | 5553            | 270              | 81                 | 5552            | 243              |
| 99                 | 5554            | 297              | 83                 | 5557            | 249              |
| 100                | 5541            | 300              | 85                 | 5503            | 255              |
| --                 | --              | --               | 92                 | 5540            | 276              |
| --                 | --              | --               | 99                 | 5511            | 297              |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5540            | 6                | 2                  | 5520            | 6                |
| 10                 | 5502            | 30               | 3                  | 5548            | 9                |
| 12                 | 5554            | 36               | 5                  | 5506            | 15               |
| 17                 | 5541            | 51               | 6                  | 5493            | 18               |
| 27                 | 5516            | 81               | 9                  | 5537            | 27               |
| 32                 | 5513            | 96               | 28                 | 5544            | 84               |
| 33                 | 5570            | 99               | 30                 | 5545            | 90               |
| 44                 | 5525            | 132              | 38                 | 5505            | 114              |
| 49                 | 5528            | 147              | 39                 | 5556            | 117              |
| 57                 | 5569            | 171              | 46                 | 5529            | 138              |
| 62                 | 5549            | 186              | 53                 | 5557            | 159              |
| 65                 | 5505            | 195              | 58                 | 5491            | 174              |
| 68                 | 5518            | 204              | 59                 | 5541            | 177              |
| 70                 | 5544            | 210              | 65                 | 5570            | 195              |
| 82                 | 5553            | 246              | 66                 | 5558            | 198              |
| 90                 | 5561            | 270              | 68                 | 5560            | 204              |
| 93                 | 5509            | 279              | 70                 | 5532            | 210              |
| 99                 | 5510            | 297              | 78                 | 5552            | 234              |
| --                 | --              | --               | 84                 | 5517            | 252              |
| --                 | --              | --               | 87                 | 5518            | 261              |
| --                 | --              | --               | 96                 | 5499            | 288              |
| --                 | --              | --               | 99                 | 5519            | 297              |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 10                 | 5496            | 30               | 19                 | 5568            | 57               |
| 12                 | 5551            | 36               | 22                 | 5522            | 66               |
| 13                 | 5565            | 39               | 29                 | 5532            | 87               |
| 17                 | 5563            | 51               | 46                 | 5528            | 138              |
| 27                 | 5547            | 81               | 50                 | 5536            | 150              |
| 34                 | 5566            | 102              | 56                 | 5570            | 168              |
| 46                 | 5541            | 138              | 58                 | 5490            | 174              |
| 57                 | 5550            | 171              | 62                 | 5558            | 186              |
| 58                 | 5546            | 174              | 65                 | 5560            | 195              |
| 61                 | 5555            | 183              | 66                 | 5494            | 198              |
| 62                 | 5570            | 186              | 71                 | 5518            | 213              |
| 63                 | 5532            | 189              | 74                 | 5546            | 222              |
| 66                 | 5490            | 198              | 76                 | 5510            | 228              |
| 67                 | 5544            | 201              | 89                 | 5526            | 267              |
| 70                 | 5531            | 210              | 90                 | 5563            | 270              |
| 74                 | 5507            | 222              | 92                 | 5527            | 276              |
| 78                 | 5538            | 234              | 98                 | 5498            | 294              |
| 87                 | 5560            | 261              | 100                | 5542            | 300              |
| 92                 | 5542            | 276              | --                 | --              | --               |
| 94                 | 5517            | 282              | --                 | --              | --               |

|       |                                                                     |      |            |
|-------|---------------------------------------------------------------------|------|------------|
| 待測物名稱 | AX6600 Wi-Fi 6 三頻電競路由器                                              | 溫度   | 27°C       |
| 測試工程師 | Kevin Ker                                                           | 濕度   | 65%        |
| 測試場地  | AC1                                                                 | 測試日期 | 2020/04/09 |
| 測試項目  | Radar Statistical Performance Check (802.11ax-HE160 mode – 5570MHz) |      |            |

## 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       | 5491                | 1                   | 798      | 67             | 1                             |
| 2       | 5500                | 1                   | 538      | 98             | 1                             |
| 3       | 5509                | 1                   | 918      | 58             | 1                             |
| 4       | 5510                | 1                   | 818      | 65             | 1                             |
| 5       | 5511                | 1                   | 898      | 59             | 1                             |
| 6       | 5520                | 1                   | 718      | 74             | 1                             |
| 7       | 5529                | 1                   | 678      | 78             | 1                             |
| 8       | 5530                | 1                   | 558      | 95             | 1                             |
| 9       | 5531                | 1                   | 578      | 92             | 1                             |
| 10      | 5540                | 1                   | 598      | 89             | 1                             |
| 11      | 5549                | 1                   | 658      | 81             | 1                             |
| 12      | 5550                | 1                   | 938      | 57             | 1                             |
| 13      | 5551                | 1                   | 738      | 72             | 1                             |
| 14      | 5560                | 1                   | 778      | 68             | 1                             |
| 15      | 5569                | 1                   | 858      | 62             | 1                             |
| 16      | 5570                | 1                   | 2314     | 23             | 1                             |
| 17      | 5571                | 1                   | 1637     | 33             | 1                             |
| 18      | 5580                | 1                   | 1313     | 41             | 1                             |
| 19      | 5589                | 1                   | 2708     | 20             | 1                             |
| 20      | 5591                | 1                   | 1753     | 31             | 1                             |
| 21      | 5600                | 1                   | 1528     | 35             | 1                             |
| 22      | 5609                | 1                   | 2425     | 22             | 1                             |
| 23      | 5610                | 1                   | 2452     | 22             | 1                             |
| 24      | 5611                | 1                   | 1490     | 36             | 1                             |
| 25      | 5620                | 1                   | 1454     | 37             | 1                             |
| 26      | 5629                | 1                   | 2388     | 23             | 1                             |

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 27                       | 5630                | 1                   | 1891     | 28             | 1                             |
| 28                       | 5631                | 1                   | 2608     | 21             | 1                             |
| 29                       | 5640                | 1                   | 1499     | 36             | 1                             |
| 30                       | 5649                | 1                   | 1928     | 28             | 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                        | 5491                | 1.6                 | 183      | 25             | 1                             |
| 2                        | 5500                | 1.5                 | 164      | 23             | 0                             |
| 3                        | 5509                | 2.8                 | 201      | 23             | 1                             |
| 4                        | 5510                | 3.1                 | 153      | 25             | 1                             |
| 5                        | 5511                | 3.6                 | 218      | 24             | 1                             |
| 6                        | 5520                | 1.5                 | 151      | 28             | 1                             |
| 7                        | 5529                | 2.9                 | 161      | 27             | 1                             |
| 8                        | 5530                | 3.9                 | 213      | 25             | 1                             |
| 9                        | 5531                | 3.9                 | 222      | 25             | 1                             |
| 10                       | 5540                | 2.9                 | 170      | 25             | 1                             |
| 11                       | 5549                | 2.3                 | 230      | 28             | 1                             |
| 12                       | 5550                | 3.6                 | 230      | 26             | 1                             |
| 13                       | 5551                | 1.9                 | 199      | 23             | 0                             |
| 14                       | 5560                | 2.8                 | 209      | 28             | 1                             |
| 15                       | 5569                | 4.3                 | 181      | 25             | 0                             |
| 16                       | 5570                | 4.9                 | 187      | 23             | 1                             |
| 17                       | 5571                | 3.3                 | 210      | 29             | 0                             |
| 18                       | 5580                | 1.1                 | 199      | 26             | 1                             |
| 19                       | 5589                | 5.0                 | 191      | 28             | 1                             |
| 20                       | 5591                | 3.8                 | 157      | 25             | 1                             |
| 21                       | 5600                | 4.9                 | 201      | 26             | 1                             |
| 22                       | 5609                | 3.0                 | 223      | 29             | 1                             |
| 23                       | 5610                | 3.6                 | 170      | 23             | 0                             |
| 24                       | 5611                | 3.7                 | 222      | 24             | 1                             |
| 25                       | 5620                | 4.4                 | 194      | 26             | 1                             |
| 26                       | 5629                | 2.6                 | 211      | 23             | 1                             |
| 27                       | 5630                | 1.6                 | 184      | 24             | 1                             |
| 28                       | 5631                | 1.2                 | 204      | 28             | 1                             |
| 29                       | 5640                | 3.5                 | 195      | 24             | 0                             |
| 30                       | 5649                | 1.8                 | 219      | 23             | 0                             |
| Detection Percentage (%) |                     |                     |          |                | 76.3%                         |

## 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                        | 5491                | 7.6                 | 247      | 17             | 1                             |
| 2                        | 5500                | 7.8                 | 452      | 16             | 1                             |
| 3                        | 5509                | 6.6                 | 281      | 18             | 1                             |
| 4                        | 5510                | 9.2                 | 218      | 16             | 1                             |
| 5                        | 5511                | 8.0                 | 403      | 17             | 1                             |
| 6                        | 5520                | 6.3                 | 203      | 17             | 1                             |
| 7                        | 5529                | 9.8                 | 256      | 17             | 0                             |
| 8                        | 5530                | 9.0                 | 266      | 18             | 1                             |
| 9                        | 5531                | 7.8                 | 330      | 16             | 1                             |
| 10                       | 5540                | 7.0                 | 418      | 17             | 1                             |
| 11                       | 5549                | 9.0                 | 461      | 18             | 1                             |
| 12                       | 5550                | 9.1                 | 344      | 16             | 1                             |
| 13                       | 5551                | 9.0                 | 218      | 18             | 1                             |
| 14                       | 5560                | 6.3                 | 215      | 17             | 1                             |
| 15                       | 5569                | 8.2                 | 257      | 17             | 1                             |
| 16                       | 5570                | 9.4                 | 424      | 16             | 0                             |
| 17                       | 5571                | 7.8                 | 381      | 17             | 1                             |
| 18                       | 5580                | 8.5                 | 219      | 18             | 1                             |
| 19                       | 5589                | 8.4                 | 213      | 17             | 0                             |
| 20                       | 5591                | 9.1                 | 245      | 18             | 1                             |
| 21                       | 5600                | 7.8                 | 205      | 18             | 1                             |
| 22                       | 5609                | 6.1                 | 342      | 18             | 0                             |
| 23                       | 5610                | 9.2                 | 277      | 18             | 1                             |
| 24                       | 5611                | 7.9                 | 283      | 17             | 1                             |
| 25                       | 5620                | 8.2                 | 289      | 16             | 0                             |
| 26                       | 5629                | 6.2                 | 473      | 16             | 0                             |
| 27                       | 5630                | 9.9                 | 357      | 18             | 1                             |
| 28                       | 5631                | 6.0                 | 272      | 17             | 1                             |
| 29                       | 5640                | 9.1                 | 243      | 18             | 1                             |
| 30                       | 5649                | 6.0                 | 390      | 18             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 80%                           |

## 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                        | 5491                | 11.4                | 245      | 13             | 1                             |
| 2                        | 5500                | 19.8                | 449      | 13             | 1                             |
| 3                        | 5509                | 18.1                | 473      | 13             | 1                             |
| 4                        | 5510                | 18.4                | 474      | 14             | 1                             |
| 5                        | 5511                | 19.9                | 400      | 13             | 0                             |
| 6                        | 5520                | 17.9                | 306      | 16             | 1                             |
| 7                        | 5529                | 18.3                | 283      | 13             | 1                             |
| 8                        | 5530                | 12.5                | 452      | 16             | 1                             |
| 9                        | 5531                | 15.0                | 478      | 12             | 1                             |
| 10                       | 5540                | 12.6                | 229      | 15             | 0                             |
| 11                       | 5549                | 14.1                | 212      | 13             | 1                             |
| 12                       | 5550                | 17.3                | 278      | 13             | 1                             |
| 13                       | 5551                | 13.3                | 213      | 14             | 1                             |
| 14                       | 5560                | 11.5                | 307      | 15             | 1                             |
| 15                       | 5569                | 13.1                | 370      | 15             | 1                             |
| 16                       | 5570                | 19.7                | 337      | 15             | 1                             |
| 17                       | 5571                | 19.0                | 221      | 13             | 0                             |
| 18                       | 5580                | 13.9                | 428      | 14             | 1                             |
| 19                       | 5589                | 15.4                | 227      | 16             | 1                             |
| 20                       | 5591                | 19.4                | 418      | 14             | 0                             |
| 21                       | 5600                | 13.4                | 256      | 13             | 1                             |
| 22                       | 5609                | 13.4                | 407      | 16             | 1                             |
| 23                       | 5610                | 14.9                | 276      | 15             | 1                             |
| 24                       | 5611                | 11.6                | 322      | 15             | 1                             |
| 25                       | 5620                | 12.0                | 363      | 13             | 1                             |
| 26                       | 5629                | 17.4                | 491      | 15             | 0                             |
| 27                       | 5630                | 13.8                | 315      | 12             | 0                             |
| 28                       | 5631                | 19.5                | 235      | 15             | 1                             |
| 29                       | 5640                | 18.8                | 457      | 14             | 1                             |
| 30                       | 5649                | 11.7                | 440      | 14             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 80%                           |

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

waveforms is as follows:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 76.3\% + 80\% + 80\%) / 4 = 83.3\% (>80\%)$

## 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                        | 5570.0              | 1                             | 16      | 5499.2              | 1                             |
| 2                        | 5570.0              | 1                             | 17      | 5497.2              | 1                             |
| 3                        | 5570.0              | 1                             | 18      | 5496.4              | 1                             |
| 4                        | 5570.0              | 1                             | 19      | 5495.2              | 1                             |
| 5                        | 5570.0              | 1                             | 20      | 5496.0              | 0                             |
| 6                        | 5570.0              | 1                             | 21      | 5646.6              | 1                             |
| 7                        | 5570.0              | 1                             | 22      | 5646.6              | 1                             |
| 8                        | 5570.0              | 1                             | 23      | 5642.2              | 1                             |
| 9                        | 5570.0              | 0                             | 24      | 5645.4              | 0                             |
| 10                       | 5570.0              | 1                             | 25      | 5641.8              | 0                             |
| 11                       | 5497.6              | 1                             | 26      | 5646.6              | 1                             |
| 12                       | 5495.2              | 1                             | 27      | 5644.6              | 1                             |
| 13                       | 5497.2              | 1                             | 28      | 5647.0              | 1                             |
| 14                       | 5496.0              | 1                             | 29      | 5644.6              | 1                             |
| 15                       | 5496.0              | 0                             | 30      | 5643.8              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 83.3%                         |

| Type 5 Radar Waveform_1 |                     |                           |                      |                               |                               |                                             |
|-------------------------|---------------------|---------------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------|
| Burst                   | Number of<br>Pulses | Pulse<br>Width (μ<br>sec) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>PRI<br>(μsec) | Pulse 2-to-3<br>PRI<br>(μsec) | Start Location<br>Within Interval<br>(msec) |
| 1                       | 2                   | 91.7                      | 7                    | 1107                          |                               | 567.857                                     |
| 2                       | 2                   | 51.5                      | 7                    | 1455                          |                               | 394.02                                      |
| 3                       | 2                   | 60.2                      | 7                    | 1771                          |                               | 214.79                                      |
| 4                       | 2                   | 64.8                      | 7                    | 1792                          |                               | 138.72                                      |
| 5                       | 2                   | 52.8                      | 7                    | 1724                          |                               | 28.7                                        |
| 6                       | 3                   | 89                        | 7                    | 1211                          | 1198                          | 579.13                                      |
| 7                       | 2                   | 91                        | 7                    | 1826                          |                               | 379.07                                      |
| 8                       | 2                   | 64.3                      | 7                    | 1603                          |                               | 551.62                                      |
| 9                       | 2                   | 79.3                      | 7                    | 1888                          |                               | 5.73                                        |
| 10                      | 1                   | 62.8                      | 7                    |                               |                               | 191.14                                      |
| 11                      | 3                   | 50.8                      | 7                    | 1360                          | 1552                          | 451.52                                      |
| 12                      | 1                   | 66.2                      | 7                    |                               |                               | 697.8                                       |
| 13                      | 2                   | 68.8                      | 7                    | 1025                          |                               | 82.18                                       |
| 14                      | 1                   | 64.1                      | 7                    |                               |                               | 602.5                                       |
| 15                      | 3                   | 69                        | 7                    | 1675                          | 1479                          | 490.3                                       |
| 16                      | 1                   | 94.4                      | 7                    |                               |                               | 673.3                                       |

## Type 5 Radar Waveform\_2

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 70.4                     | 19                | 1246                          | 1738                          | 114.064                               |
| 2     | 2                | 74.1                     | 19                | 1888                          |                               | 634.84                                |
| 3     | 1                | 60.3                     | 19                |                               |                               | 592.35                                |
| 4     | 3                | 76.3                     | 19                | 1084                          | 1890                          | 232.09                                |
| 5     | 1                | 61.6                     | 19                |                               |                               | 671.13                                |
| 6     | 1                | 64.1                     | 19                |                               |                               | 124.49                                |
| 7     | 2                | 88                       | 19                | 1526                          |                               | 622.12                                |
| 8     | 1                | 84.9                     | 19                |                               |                               | 614.36                                |
| 9     | 2                | 91.9                     | 19                | 1971                          |                               | 19.19                                 |
| 10    | 2                | 91.4                     | 19                | 1314                          |                               | 2.48                                  |
| 11    | 1                | 70                       | 19                |                               |                               | 55.41                                 |
| 12    | 2                | 59.5                     | 19                | 1207                          |                               | 83.67                                 |
| 13    | 2                | 82.1                     | 19                | 1226                          |                               | 272.51                                |
| 14    | 3                | 99.5                     | 19                | 1398                          | 1409                          | 7.16                                  |
| 15    | 2                | 99.3                     | 19                | 1692                          |                               | 63.1                                  |
| 16    | 1                | 70.8                     | 19                |                               |                               | 452.4                                 |

## Type 5 Radar Waveform\_3

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 93.6                     | 15                | 1281                          |                               | 211.742                               |
| 2     | 1                | 97.7                     | 15                |                               |                               | 455.798                               |
| 3     | 2                | 96.5                     | 15                | 1631                          |                               | 55.995                                |
| 4     | 2                | 58.6                     | 15                | 1189                          |                               | 422.173                               |
| 5     | 3                | 62.2                     | 15                | 1094                          | 1096                          | 156.001                               |
| 6     | 2                | 92.4                     | 15                | 1794                          |                               | 617.998                               |
| 7     | 2                | 53.5                     | 15                | 1018                          |                               | 452.346                               |
| 8     | 2                | 98.5                     | 15                | 1662                          |                               | 661.384                               |
| 9     | 3                | 60.2                     | 15                | 1242                          | 1736                          | 287.761                               |
| 10    | 3                | 85.1                     | 15                | 1577                          | 1160                          | 659.469                               |
| 11    | 2                | 51.7                     | 15                | 1657                          |                               | 404.636                               |
| 12    | 1                | 68.9                     | 15                |                               |                               | 649.874                               |
| 13    | 1                | 86.5                     | 15                |                               |                               | 615.112                               |
| 14    | 1                | 87.2                     | 15                |                               |                               | 232.229                               |
| 15    | 3                | 75.7                     | 15                | 1914                          | 1588                          | 50.917                                |
| 16    | 1                | 95.1                     | 15                |                               |                               | 187.865                               |
| 17    | 2                | 63.6                     | 15                | 1525                          |                               | 636.282                               |

## Type 5 Radar Waveform\_4

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 81.9                     | 8                 |                               |                               | 676.832                               |
| 2     | 2                | 82.8                     | 8                 | 1102                          |                               | 658.903                               |
| 3     | 2                | 70.6                     | 8                 | 1449                          |                               | 796.906                               |
| 4     | 2                | 88.7                     | 8                 | 1346                          |                               | 567.239                               |
| 5     | 2                | 68.9                     | 8                 | 1801                          |                               | 344.412                               |
| 6     | 1                | 81.6                     | 8                 |                               |                               | 623.595                               |
| 7     | 2                | 91.5                     | 8                 | 1593                          |                               | 589.958                               |
| 8     | 1                | 84                       | 8                 |                               |                               | 646.712                               |
| 9     | 1                | 80.5                     | 8                 |                               |                               | 794.345                               |
| 10    | 1                | 92                       | 8                 |                               |                               | 172.688                               |
| 11    | 3                | 95.4                     | 8                 | 1716                          | 1928                          | 311.961                               |
| 12    | 3                | 87.4                     | 8                 | 1134                          | 1415                          | 460.654                               |
| 13    | 1                | 57.3                     | 8                 |                               |                               | 315.177                               |

Type 5 Radar Waveform\_5

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 67                       | 5                 | 1962                          |                               | 40.172                                |
| 2     | 2                | 61.6                     | 5                 | 1786                          |                               | 6.102                                 |
| 3     | 2                | 89                       | 5                 | 1026                          |                               | 174.07                                |
| 4     | 2                | 81.3                     | 5                 | 1361                          |                               | 472.05                                |
| 5     | 2                | 81.9                     | 5                 | 1674                          |                               | 81.12                                 |
| 6     | 2                | 64.6                     | 5                 | 1377                          |                               | 307.37                                |
| 7     | 1                | 94.1                     | 5                 |                               |                               | 156.16                                |
| 8     | 2                | 60.1                     | 5                 | 1215                          |                               | 499.3                                 |
| 9     | 3                | 97.5                     | 5                 | 1330                          | 1348                          | 269.59                                |
| 10    | 3                | 52.2                     | 5                 | 1339                          | 1801                          | 6.5                                   |
| 11    | 2                | 95.3                     | 5                 | 1666                          |                               | 161.41                                |
| 12    | 2                | 55.7                     | 5                 | 1066                          |                               | 298.52                                |
| 13    | 2                | 72.2                     | 5                 | 1581                          |                               | 239.53                                |
| 14    | 2                | 76                       | 5                 | 1745                          |                               | 463.29                                |
| 15    | 1                | 53.7                     | 5                 |                               |                               | 227.44                                |
| 16    | 3                | 62.3                     | 5                 | 1129                          | 1933                          | 247.56                                |
| 17    | 3                | 99.6                     | 5                 | 1936                          | 1869                          | 247.06                                |
| 18    | 3                | 84.8                     | 5                 | 1656                          | 1878                          | 129.9                                 |
| 19    | 3                | 50.1                     | 5                 | 1976                          | 1007                          | 178.3                                 |
| 20    | 3                | 69.7                     | 5                 | 1856                          | 1297                          | 245.7                                 |

Type 5 Radar Waveform\_6

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 94.7                     | 17                | 1904                          |                               | 221.663                               |
| 2     | 2                | 98.2                     | 17                | 1429                          |                               | 484.58                                |
| 3     | 3                | 82.9                     | 17                | 1948                          | 1033                          | 617.76                                |
| 4     | 1                | 80.4                     | 17                |                               |                               | 191.81                                |
| 5     | 3                | 93                       | 17                | 1032                          | 1488                          | 317.95                                |
| 6     | 2                | 84.4                     | 17                | 1733                          |                               | 104.47                                |
| 7     | 1                | 50.5                     | 17                |                               |                               | 325.44                                |
| 8     | 3                | 82.2                     | 17                | 1054                          | 1961                          | 93.89                                 |
| 9     | 2                | 99.2                     | 17                | 1968                          |                               | 2.67                                  |
| 10    | 2                | 80.1                     | 17                | 1071                          |                               | 68.17                                 |
| 11    | 2                | 95                       | 17                | 1454                          |                               | 96.36                                 |
| 12    | 2                | 68.8                     | 17                | 1622                          |                               | 727.36                                |
| 13    | 1                | 81.4                     | 17                |                               |                               | 430.81                                |
| 14    | 1                | 66.1                     | 17                |                               |                               | 313.3                                 |
| 15    | 3                | 70.5                     | 17                | 1662                          | 1095                          | 661.8                                 |
| 16    | 3                | 96.3                     | 17                | 1007                          | 1695                          | 12.1                                  |

Type 5 Radar Waveform\_7

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 95.2                     | 17                | 1986                          |                               | 893.314                               |
| 2     | 3                | 91.6                     | 17                | 1115                          | 1966                          | 257.177                               |
| 3     | 2                | 71.1                     | 17                | 1779                          |                               | 843.273                               |
| 4     | 3                | 70                       | 17                | 1040                          | 1068                          | 721.85                                |
| 5     | 3                | 79.8                     | 17                | 1059                          | 1326                          | 1273.507                              |
| 6     | 3                | 60.4                     | 17                | 1391                          | 1770                          | 7.883                                 |
| 7     | 2                | 74.3                     | 17                | 1111                          |                               | 80.07                                 |
| 8     | 1                | 98.6                     | 17                |                               |                               | 229.857                               |
| 9     | 2                | 96                       | 17                | 1744                          |                               | 1049.033                              |

Type 5 Radar Waveform\_8

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 Spacing ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-----------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 58.8                     | 20                | 1166                              |                               | 253.463                               |
| 2     | 2                | 89.7                     | 20                | 1928                              |                               | 305.088                               |
| 3     | 3                | 73                       | 20                | 1187                              | 1558                          | 112.632                               |
| 4     | 1                | 54.4                     | 20                |                                   |                               | 172.673                               |
| 5     | 1                | 84.8                     | 20                |                                   |                               | 440.504                               |
| 6     | 2                | 97                       | 20                | 1191                              |                               | 376.765                               |
| 7     | 2                | 89.5                     | 20                | 1873                              |                               | 324.996                               |
| 8     | 2                | 83.8                     | 20                | 1508                              |                               | 121.757                               |
| 9     | 3                | 77.1                     | 20                | 1152                              | 1546                          | 136.288                               |
| 10    | 1                | 73.9                     | 20                |                                   |                               | 310.189                               |
| 11    | 2                | 96.1                     | 20                | 1173                              |                               | 436.261                               |
| 12    | 3                | 79.7                     | 20                | 1892                              | 1421                          | 621.882                               |
| 13    | 3                | 69.3                     | 20                | 1026                              | 1401                          | 624.113                               |
| 14    | 1                | 59.2                     | 20                |                                   |                               | 56.224                                |
| 15    | 1                | 55.4                     | 20                |                                   |                               | 87.125                                |
| 16    | 2                | 58.7                     | 20                | 1060                              |                               | 276.206                               |
| 17    | 3                | 81.3                     | 20                | 1170                              | 1649                          | 172.037                               |
| 18    | 2                | 58.2                     | 20                | 1116                              |                               | 141.558                               |
| 19    | 1                | 66.6                     | 20                |                                   |                               | 135.979                               |

Type 5 Radar Waveform\_9

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 73.6                     | 20                | 1519                          |                               | 469.338                               |
| 2     | 1                | 86.6                     | 20                |                               |                               | 721.65                                |
| 3     | 2                | 86.8                     | 20                | 1575                          |                               | 824.32                                |
| 4     | 2                | 72.6                     | 20                | 1291                          |                               | 632.06                                |
| 5     | 3                | 63.3                     | 20                | 1291                          | 1506                          | 147.08                                |
| 6     | 2                | 94.3                     | 20                | 1763                          |                               | 225.58                                |
| 7     | 2                | 71.3                     | 20                | 1965                          |                               | 1183.4                                |
| 8     | 2                | 70.5                     | 20                | 1573                          |                               | 640.7                                 |

Type 5 Radar Waveform\_10

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 68.8                     | 8                 | 1424                          | 1314                          | 74.413                                |
| 2     | 2                | 79.9                     | 8                 | 1860                          |                               | 513.033                               |
| 3     | 2                | 68.6                     | 8                 | 1516                          |                               | 781.616                               |
| 4     | 3                | 71.3                     | 8                 | 1474                          | 1154                          | 728.529                               |
| 5     | 3                | 56.1                     | 8                 | 1697                          | 1857                          | 31.252                                |
| 6     | 3                | 72.5                     | 8                 | 1340                          | 1713                          | 504.045                               |
| 7     | 3                | 72.6                     | 8                 | 1885                          | 1850                          | 284.728                               |
| 8     | 2                | 55.1                     | 8                 | 1297                          |                               | 285.492                               |
| 9     | 2                | 92.8                     | 8                 | 1659                          |                               | 424.905                               |
| 10    | 2                | 64.2                     | 8                 | 1356                          |                               | 262.798                               |
| 11    | 2                | 99.6                     | 8                 | 1286                          |                               | 536.651                               |
| 12    | 1                | 55                       | 8                 |                               |                               | 513.954                               |
| 13    | 1                | 57.4                     | 8                 |                               |                               | 194.777                               |

Type 5 Radar Waveform\_11

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 79.8                     | 16                | 1901                          |                               | 536.85                                |
| 2     | 2                | 62.1                     | 16                | 1035                          |                               | 371.93                                |
| 3     | 2                | 69.1                     | 16                | 1701                          |                               | 629.59                                |
| 4     | 1                | 54.4                     | 16                |                               |                               | 344.02                                |
| 5     | 1                | 69.3                     | 16                |                               |                               | 318.77                                |
| 6     | 3                | 88                       | 16                | 1771                          | 1011                          | 364.94                                |
| 7     | 2                | 83.7                     | 16                | 1420                          |                               | 170.85                                |
| 8     | 2                | 92.1                     | 16                | 1948                          |                               | 262.5                                 |
| 9     | 1                | 66.3                     | 16                |                               |                               | 427.79                                |
| 10    | 3                | 70.5                     | 16                | 1020                          | 1066                          | 238.09                                |
| 11    | 3                | 73.4                     | 16                | 1802                          | 1875                          | 384.37                                |
| 12    | 1                | 51                       | 16                |                               |                               | 297.02                                |
| 13    | 3                | 64.4                     | 16                | 1427                          | 1031                          | 600.71                                |
| 14    | 3                | 78.8                     | 16                | 1544                          | 1631                          | 113.19                                |
| 15    | 2                | 66.2                     | 16                | 1491                          |                               | 581.2                                 |
| 16    | 1                | 67.7                     | 16                |                               |                               | 45.5                                  |

Type 5 Radar Waveform\_12

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 63.8                     | 10                | 1590                          |                               | 208.38                                |
| 2     | 2                | 64.7                     | 10                | 1670                          |                               | 738.03                                |
| 3     | 3                | 98.1                     | 10                | 1531                          | 1136                          | 214.87                                |
| 4     | 2                | 86                       | 10                | 1737                          |                               | 283.87                                |
| 5     | 2                | 77.7                     | 10                | 1841                          |                               | 550.58                                |
| 6     | 2                | 93.8                     | 10                | 1172                          |                               | 278.79                                |
| 7     | 2                | 63.8                     | 10                | 1063                          |                               | 235.92                                |
| 8     | 2                | 61.5                     | 10                | 1280                          |                               | 197.08                                |
| 9     | 3                | 88.3                     | 10                | 1566                          | 1680                          | 741.74                                |
| 10    | 2                | 81.7                     | 10                | 1117                          |                               | 453.78                                |
| 11    | 2                | 68.3                     | 10                | 1473                          |                               | 695.3                                 |
| 12    | 3                | 83.6                     | 10                | 1664                          | 1642                          | 492.04                                |
| 13    | 2                | 61.9                     | 10                | 1730                          |                               | 598.9                                 |
| 14    | 2                | 58.3                     | 10                | 1853                          |                               | 654.1                                 |
| 15    | 2                | 92.7                     | 10                | 1966                          |                               | 649.1                                 |
| 16    | 2                | 66.5                     | 10                | 1833                          |                               | 109.5                                 |

Type 5 Radar Waveform\_13

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 96.4                     | 15                | 1236                          | 1078                          | 85.582                                |
| 2     | 3                | 74.7                     | 15                | 1959                          | 1935                          | 346.3                                 |
| 3     | 3                | 99.9                     | 15                | 1179                          | 1874                          | 341                                   |
| 4     | 1                | 90.7                     | 15                |                               |                               | 461.16                                |
| 5     | 3                | 73.2                     | 15                | 1721                          | 1288                          | 811.33                                |
| 6     | 2                | 87                       | 15                | 1599                          |                               | 1186.65                               |
| 7     | 2                | 63.5                     | 15                | 1988                          |                               | 590.76                                |
| 8     | 3                | 56.6                     | 15                | 1010                          | 1505                          | 710.71                                |
| 9     | 1                | 70.5                     | 15                |                               |                               | 547.1                                 |
| 10    | 3                | 80.9                     | 15                | 1036                          | 1111                          | 877                                   |

Type 5 Radar Waveform\_14

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 50.1                     | 12                | 1162                          |                               | 149.44                                |
| 2     | 3                | 62.7                     | 12                | 1788                          | 1466                          | 1111.78                               |
| 3     | 2                | 65.8                     | 12                | 1511                          |                               | 414.14                                |
| 4     | 2                | 50                       | 12                | 1009                          |                               | 671.74                                |
| 5     | 3                | 69.6                     | 12                | 1647                          | 1507                          | 443.95                                |
| 6     | 1                | 83.8                     | 12                |                               |                               | 234.76                                |
| 7     | 3                | 54.5                     | 12                | 1756                          | 1403                          | 879.64                                |
| 8     | 2                | 55.1                     | 12                | 1239                          |                               | 982.95                                |
| 9     | 2                | 99.8                     | 12                | 1995                          |                               | 206.7                                 |
| 10    | 1                | 87.8                     | 12                |                               |                               | 1113.3                                |

Type 5 Radar Waveform\_15

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 50                       | 12                |                               |                               | 269.165                               |
| 2     | 2                | 59.3                     | 12                | 1656                          |                               | 317.89                                |
| 3     | 1                | 79.1                     | 12                |                               |                               | 697.72                                |
| 4     | 2                | 64.9                     | 12                | 1385                          |                               | 605.33                                |
| 5     | 2                | 99.1                     | 12                | 1599                          |                               | 372.55                                |
| 6     | 2                | 57.5                     | 12                | 1776                          |                               | 51.14                                 |
| 7     | 1                | 82.4                     | 12                |                               |                               | 78.91                                 |
| 8     | 2                | 56.7                     | 12                | 1793                          |                               | 327.76                                |
| 9     | 2                | 52.4                     | 12                | 1008                          |                               | 555.68                                |
| 10    | 2                | 94.7                     | 12                | 1811                          |                               | 717.64                                |
| 11    | 2                | 74.4                     | 12                | 1200                          |                               | 426.29                                |
| 12    | 1                | 99.3                     | 12                |                               |                               | 656.72                                |
| 13    | 2                | 92.2                     | 12                | 1997                          |                               | 448.37                                |
| 14    | 2                | 62.8                     | 12                | 1736                          |                               | 267.1                                 |
| 15    | 2                | 59.4                     | 12                | 1861                          |                               | 65.8                                  |
| 16    | 3                | 97                       | 12                | 1255                          | 1024                          | 50.2                                  |

Type 5 Radar Waveform\_16

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 56.4                     | 20                | 1275                          | 1977                          | 989.124                               |
| 2     | 2                | 61                       | 20                | 1045                          |                               | 578.051                               |
| 3     | 2                | 91.1                     | 20                | 1512                          |                               | 671.862                               |
| 4     | 1                | 54.9                     | 20                |                               |                               | 116.153                               |
| 5     | 3                | 59.7                     | 20                | 1614                          | 1360                          | 116.174                               |
| 6     | 3                | 81.6                     | 20                | 1702                          | 1121                          | 685.455                               |
| 7     | 1                | 67.2                     | 20                |                               |                               | 796.465                               |
| 8     | 3                | 56.1                     | 20                | 1851                          | 1226                          | 1049.566                              |
| 9     | 2                | 67.6                     | 20                | 1333                          |                               | 927.247                               |
| 10    | 3                | 83.3                     | 20                | 1721                          | 1386                          | 77.298                                |
| 11    | 1                | 85                       | 20                |                               |                               | 263.809                               |

Type 5 Radar Waveform\_17

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 59.8                     | 15                | 1711                          |                               | 558.565                               |
| 2     | 3                | 73.9                     | 15                | 1531                          | 1634                          | 546.243                               |
| 3     | 1                | 96.9                     | 15                |                               |                               | 310.396                               |
| 4     | 1                | 83.6                     | 15                |                               |                               | 864.229                               |
| 5     | 2                | 96.7                     | 15                | 1584                          |                               | 381.652                               |
| 6     | 2                | 96.8                     | 15                | 1640                          |                               | 50.705                                |
| 7     | 2                | 75.6                     | 15                | 1533                          |                               | 171.008                               |
| 8     | 3                | 63.3                     | 15                | 1090                          | 1816                          | 60.252                                |
| 9     | 2                | 99.9                     | 15                | 1399                          |                               | 154.415                               |
| 10    | 2                | 99.5                     | 15                | 1432                          |                               | 158.038                               |
| 11    | 2                | 93.5                     | 15                | 1497                          |                               | 689.531                               |
| 12    | 1                | 76                       | 15                |                               |                               | 283.654                               |
| 13    | 2                | 63.4                     | 15                | 1834                          |                               | 408.777                               |

Type 5 Radar Waveform\_18

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 66.6                     | 13                | 1257                          |                               | 277.593                               |
| 2     | 2                | 92.3                     | 13                | 1386                          |                               | 1176.547                              |
| 3     | 2                | 95.6                     | 13                | 1040                          |                               | 1208.813                              |
| 4     | 2                | 94.4                     | 13                | 1649                          |                               | 1164.21                               |
| 5     | 3                | 93                       | 13                | 1906                          | 1473                          | 832.547                               |
| 6     | 2                | 94.9                     | 13                | 1670                          |                               | 1061.653                              |
| 7     | 3                | 86.8                     | 13                | 1192                          | 1070                          | 1281.74                               |
| 8     | 3                | 84.6                     | 13                | 1256                          | 1601                          | 953.767                               |
| 9     | 2                | 54.3                     | 13                | 1068                          |                               | 1190.633                              |

Type 5 Radar Waveform\_19

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 88                       | 10                | 1285                          | 1581                          | 561.83                                |
| 2     | 2                | 90.8                     | 10                | 1499                          |                               | 5.461                                 |
| 3     | 2                | 96.2                     | 10                | 1060                          |                               | 384.506                               |
| 4     | 1                | 95.8                     | 10                |                               |                               | 651.059                               |
| 5     | 3                | 83.9                     | 10                | 1439                          | 1788                          | 362.002                               |
| 6     | 2                | 68.3                     | 10                | 1844                          |                               | 44.455                                |
| 7     | 1                | 90.3                     | 10                |                               |                               | 645.738                               |
| 8     | 3                | 98.8                     | 10                | 1511                          | 1617                          | 594.252                               |
| 9     | 2                | 83.8                     | 10                | 1331                          |                               | 454.585                               |
| 10    | 2                | 61.5                     | 10                | 1972                          |                               | 819.058                               |
| 11    | 3                | 68.4                     | 10                | 1643                          | 1968                          | 824.831                               |
| 12    | 1                | 65.5                     | 10                |                               |                               | 358.054                               |
| 13    | 2                | 64.4                     | 10                | 1987                          |                               | 522.177                               |

Type 5 Radar Waveform\_20

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 85.2                     | 12                | 1566                          |                               | 599.134                               |
| 2     | 2                | 66.4                     | 12                | 1695                          |                               | 418.993                               |
| 3     | 3                | 83.8                     | 12                | 1462                          | 1780                          | 913.046                               |
| 4     | 2                | 83                       | 12                | 1930                          |                               | 299.409                               |
| 5     | 2                | 94.4                     | 12                | 1832                          |                               | 588.822                               |
| 6     | 1                | 70.6                     | 12                |                               |                               | 401.835                               |
| 7     | 2                | 70.3                     | 12                | 1573                          |                               | 102.998                               |
| 8     | 1                | 86.2                     | 12                |                               |                               | 281.292                               |
| 9     | 2                | 58.1                     | 12                | 1882                          |                               | 189.565                               |
| 10    | 2                | 58.5                     | 12                | 1464                          |                               | 16.638                                |
| 11    | 2                | 66.1                     | 12                | 1834                          |                               | 261.431                               |
| 12    | 2                | 88.2                     | 12                | 1626                          |                               | 262.354                               |
| 13    | 1                | 52.1                     | 12                |                               |                               | 41.077                                |

Type 5 Radar Waveform\_21

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 99.1                     | 6                 | 1203                          |                               | 207.639                               |
| 2     | 2                | 63.2                     | 6                 | 1571                          |                               | 328.153                               |
| 3     | 3                | 70                       | 6                 | 1554                          | 1123                          | 716.256                               |
| 4     | 3                | 90.7                     | 6                 | 1328                          | 1818                          | 167.679                               |
| 5     | 3                | 87                       | 6                 | 1671                          | 1380                          | 837.082                               |
| 6     | 3                | 75                       | 6                 | 1548                          | 1787                          | 850.585                               |
| 7     | 2                | 97.1                     | 6                 | 1672                          |                               | 172.978                               |
| 8     | 3                | 57.3                     | 6                 | 1806                          | 1407                          | 429.822                               |
| 9     | 3                | 75                       | 6                 | 1881                          | 1681                          | 360.635                               |
| 10    | 2                | 60.2                     | 6                 | 1315                          |                               | 267.388                               |
| 11    | 3                | 99.9                     | 6                 | 1564                          | 1197                          | 651.201                               |
| 12    | 1                | 82.6                     | 6                 |                               |                               | 726.454                               |
| 13    | 2                | 59.2                     | 6                 | 1873                          |                               | 518.977                               |

Type 5 Radar Waveform\_22

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 71                       | 6                 | 1060                          |                               | 447.985                               |
| 2     | 2                | 94                       | 6                 | 1025                          |                               | 512.19                                |
| 3     | 3                | 55.6                     | 6                 | 1170                          | 1574                          | 1151.62                               |
| 4     | 3                | 74.8                     | 6                 | 1185                          | 1900                          | 84.56                                 |
| 5     | 2                | 78.2                     | 6                 | 1662                          |                               | 196.8                                 |
| 6     | 3                | 56.2                     | 6                 | 1918                          | 1691                          | 138.41                                |
| 7     | 2                | 72.8                     | 6                 | 1746                          |                               | 510.82                                |
| 8     | 1                | 82.7                     | 6                 |                               |                               | 931.75                                |
| 9     | 3                | 95.9                     | 6                 | 1976                          | 1970                          | 629.3                                 |
| 10    | 1                | 70.6                     | 6                 |                               |                               | 187.2                                 |

Type 5 Radar Waveform\_23

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 74.3                     | 17                | 1407                          |                               | 301.742                               |
| 2     | 3                | 53                       | 17                | 1681                          | 1929                          | 184.969                               |
| 3     | 2                | 98.3                     | 17                | 1607                          |                               | 659.53                                |
| 4     | 2                | 72.1                     | 17                | 1437                          |                               | 59.02                                 |
| 5     | 1                | 93.2                     | 17                |                               |                               | 779.31                                |
| 6     | 3                | 57.5                     | 17                | 1790                          | 1866                          | 360.92                                |
| 7     | 1                | 66.5                     | 17                |                               |                               | 37.2                                  |
| 8     | 3                | 69.1                     | 17                | 1862                          | 1100                          | 198.59                                |
| 9     | 3                | 91.2                     | 17                | 1479                          | 1381                          | 246.64                                |
| 10    | 2                | 73.4                     | 17                | 1284                          |                               | 467.06                                |
| 11    | 1                | 93.1                     | 17                |                               |                               | 272.93                                |
| 12    | 3                | 76.8                     | 17                | 1032                          | 1392                          | 721.63                                |
| 13    | 2                | 63.5                     | 17                | 1431                          |                               | 18.89                                 |
| 14    | 3                | 81.6                     | 17                | 1270                          | 1552                          | 154.1                                 |
| 15    | 3                | 54.5                     | 17                | 1597                          | 1297                          | 267.1                                 |

Type 5 Radar Waveform\_24

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 69.2                     | 9                 |                               |                               | 269.912                               |
| 2     | 2                | 89.2                     | 9                 | 1010                          |                               | 527.071                               |
| 3     | 3                | 87.4                     | 9                 | 1359                          | 1361                          | 58.182                                |
| 4     | 2                | 91.3                     | 9                 | 1178                          |                               | 570.013                               |
| 5     | 2                | 70.2                     | 9                 | 1883                          |                               | 541.354                               |
| 6     | 3                | 89.9                     | 9                 | 1689                          | 1146                          | 557.715                               |
| 7     | 1                | 70.4                     | 9                 |                               |                               | 355.276                               |
| 8     | 3                | 98.1                     | 9                 | 1276                          | 1835                          | 575.377                               |
| 9     | 1                | 80.3                     | 9                 |                               |                               | 498.858                               |
| 10    | 2                | 52.8                     | 9                 | 1982                          |                               | 303.719                               |
| 11    | 2                | 84.3                     | 9                 | 1898                          |                               | 234.511                               |
| 12    | 2                | 61.1                     | 9                 | 1997                          |                               | 44.512                                |
| 13    | 3                | 82                       | 9                 | 1716                          | 1562                          | 458.423                               |
| 14    | 1                | 70.7                     | 9                 |                               |                               | 410.954                               |
| 15    | 1                | 61.4                     | 9                 |                               |                               | 590.955                               |
| 16    | 1                | 56.7                     | 9                 |                               |                               | 614.316                               |
| 17    | 2                | 96.1                     | 9                 | 1157                          |                               | 378.837                               |
| 18    | 2                | 59.8                     | 9                 | 1977                          |                               | 615.158                               |
| 19    | 1                | 57.7                     | 9                 |                               |                               | 365.879                               |

Type 5 Radar Waveform\_25

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 88.9                     | 18                | 1125                          |                               | 99.712                                |
| 2     | 3                | 85.5                     | 18                | 1900                          | 1850                          | 590.268                               |
| 3     | 2                | 82.1                     | 18                | 1317                          |                               | 488.395                               |
| 4     | 2                | 74.3                     | 18                | 1201                          |                               | 25.353                                |
| 5     | 2                | 57.4                     | 18                | 1659                          |                               | 660.691                               |
| 6     | 2                | 97.3                     | 18                | 1660                          |                               | 455.608                               |
| 7     | 2                | 90.6                     | 18                | 1814                          |                               | 392.496                               |
| 8     | 1                | 54                       | 18                |                               |                               | 395.934                               |
| 9     | 2                | 79.9                     | 18                | 1768                          |                               | 421.251                               |
| 10    | 1                | 92.3                     | 18                |                               |                               | 181.669                               |
| 11    | 1                | 60.1                     | 18                |                               |                               | 537.976                               |
| 12    | 1                | 69.7                     | 18                |                               |                               | 19.514                                |
| 13    | 3                | 57.3                     | 18                | 1109                          | 1294                          | 109.722                               |
| 14    | 3                | 99.2                     | 18                | 1497                          | 1964                          | 355.899                               |
| 15    | 3                | 58                       | 18                | 1441                          | 1892                          | 80.987                                |
| 16    | 1                | 80.2                     | 18                |                               |                               | 462.265                               |
| 17    | 2                | 52.8                     | 18                | 1502                          |                               | 562.382                               |

Type 5 Radar Waveform\_26

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 67.1                     | 6                 | 1010                          |                               | 995.253                               |
| 2     | 3                | 77.8                     | 6                 | 1196                          | 1491                          | 705.961                               |
| 3     | 3                | 86.7                     | 6                 | 1126                          | 1124                          | 22.152                                |
| 4     | 2                | 72.3                     | 6                 | 1418                          |                               | 479.963                               |
| 5     | 3                | 52.6                     | 6                 | 1876                          | 1339                          | 10.704                                |
| 6     | 3                | 80.6                     | 6                 | 1487                          | 1409                          | 69.435                                |
| 7     | 2                | 94.8                     | 6                 | 1251                          |                               | 895.675                               |
| 8     | 3                | 88.3                     | 6                 | 1685                          | 1241                          | 492.136                               |
| 9     | 2                | 74.7                     | 6                 | 1529                          |                               | 22.327                                |
| 10    | 1                | 75.8                     | 6                 |                               |                               | 625.518                               |
| 11    | 2                | 79.5                     | 6                 | 1775                          |                               | 1019.909                              |

Type 5 Radar Waveform\_27

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 68.9                     | 11                | 1138                          |                               | 363.896                               |
| 2     | 2                | 65.7                     | 11                | 1734                          |                               | 507.78                                |
| 3     | 2                | 95.8                     | 11                | 1598                          |                               | 462.07                                |
| 4     | 2                | 73.2                     | 11                | 1444                          |                               | 782.67                                |
| 5     | 3                | 63.9                     | 11                | 1011                          | 1082                          | 780.25                                |
| 6     | 2                | 74.9                     | 11                | 1267                          |                               | 278.43                                |
| 7     | 2                | 98.1                     | 11                | 1912                          |                               | 413.97                                |
| 8     | 2                | 51.8                     | 11                | 1704                          |                               | 418.24                                |
| 9     | 1                | 95.7                     | 11                |                               |                               | 770.15                                |
| 10    | 2                | 54.8                     | 11                | 1247                          |                               | 682.05                                |
| 11    | 2                | 95.2                     | 11                | 1685                          |                               | 563.8                                 |
| 12    | 1                | 58.7                     | 11                |                               |                               | 733.6                                 |

Type 5 Radar Waveform\_28

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 84.8                     | 5                 | 1376                          |                               | 184                                   |
| 2     | 3                | 66.5                     | 5                 | 1817                          | 1453                          | 452.218                               |
| 3     | 2                | 67.5                     | 5                 | 1835                          |                               | 260.125                               |
| 4     | 2                | 99.1                     | 5                 | 1652                          |                               | 147.373                               |
| 5     | 2                | 94.8                     | 5                 | 1815                          |                               | 679.361                               |
| 6     | 2                | 57.1                     | 5                 | 1875                          |                               | 428.358                               |
| 7     | 1                | 85.8                     | 5                 |                               |                               | 649.536                               |
| 8     | 2                | 74.6                     | 5                 | 1269                          |                               | 458.534                               |
| 9     | 3                | 84.4                     | 5                 | 1687                          | 1484                          | 454.491                               |
| 10    | 3                | 98.7                     | 5                 | 1390                          | 1916                          | 485.239                               |
| 11    | 1                | 94.1                     | 5                 |                               |                               | 354.886                               |
| 12    | 2                | 84.5                     | 5                 | 1134                          |                               | 481.194                               |
| 13    | 1                | 50.6                     | 5                 |                               |                               | 199.162                               |
| 14    | 2                | 66.7                     | 5                 | 1886                          |                               | 306.819                               |
| 15    | 3                | 70.3                     | 5                 | 1137                          | 1213                          | 587.447                               |
| 16    | 3                | 74.3                     | 5                 | 1705                          | 1779                          | 137.065                               |
| 17    | 1                | 87.7                     | 5                 |                               |                               | 453.182                               |

Type 5 Radar Waveform\_29

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 56.1                     | 11                | 1123                          |                               | 583.439                               |
| 2     | 3                | 67.9                     | 11                | 1061                          | 1876                          | 342.888                               |
| 3     | 3                | 98.6                     | 11                | 1581                          | 1109                          | 616.615                               |
| 4     | 1                | 73                       | 11                |                               |                               | 240.253                               |
| 5     | 2                | 75.7                     | 11                | 1653                          |                               | 283.951                               |
| 6     | 3                | 67.8                     | 11                | 1362                          | 1773                          | 96.618                                |
| 7     | 3                | 50.4                     | 11                | 1925                          | 1597                          | 346.866                               |
| 8     | 2                | 68.4                     | 11                | 1010                          |                               | 180.814                               |
| 9     | 1                | 99.9                     | 11                |                               |                               | 581.861                               |
| 10    | 2                | 79.6                     | 11                | 1200                          |                               | 648.609                               |
| 11    | 1                | 74.1                     | 11                |                               |                               | 121.416                               |
| 12    | 1                | 54.5                     | 11                |                               |                               | 644.534                               |
| 13    | 2                | 68.3                     | 11                | 1553                          |                               | 151.422                               |
| 14    | 2                | 67.3                     | 11                | 1853                          |                               | 335.799                               |
| 15    | 2                | 80.5                     | 11                | 1391                          |                               | 140.747                               |
| 16    | 3                | 52.8                     | 11                | 1550                          | 1023                          | 460.865                               |
| 17    | 1                | 55.9                     | 11                |                               |                               | 40.282                                |

Type 5 Radar Waveform\_30

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 58                       | 13                | 1315                          |                               | 334.321                               |
| 2     | 1                | 84                       | 13                |                               |                               | 263.51                                |
| 3     | 3                | 53.6                     | 13                | 1504                          | 1534                          | 247.27                                |
| 4     | 3                | 91.2                     | 13                | 1722                          | 1704                          | 552.96                                |
| 5     | 2                | 68.9                     | 13                | 1593                          |                               | 166.47                                |
| 6     | 2                | 63.3                     | 13                | 1221                          |                               | 674.24                                |
| 7     | 1                | 78.5                     | 13                |                               |                               | 740.38                                |
| 8     | 2                | 61                       | 13                | 1798                          |                               | 38.14                                 |
| 9     | 3                | 89.8                     | 13                | 1682                          | 1273                          | 495.65                                |
| 10    | 2                | 61.8                     | 13                | 1879                          |                               | 83.36                                 |
| 11    | 1                | 76                       | 13                |                               |                               | 244.17                                |
| 12    | 1                | 79.6                     | 13                |                               |                               | 459.25                                |
| 13    | 3                | 90                       | 13                | 1656                          | 1748                          | 276.09                                |
| 14    | 2                | 84.4                     | 13                | 1131                          |                               | 361.6                                 |
| 15    | 2                | 73.2                     | 13                | 1032                          |                               | 517                                   |
| 16    | 1                | 50.8                     | 13                |                               |                               | 391.7                                 |

## 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                        | 5491                | 1                             | 16      | 5570                | 1                             |
| 2                        | 5500                | 1                             | 17      | 5571                | 1                             |
| 3                        | 5509                | 1                             | 18      | 5580                | 1                             |
| 4                        | 5510                | 1                             | 19      | 5589                | 1                             |
| 5                        | 5511                | 1                             | 20      | 5591                | 1                             |
| 6                        | 5520                | 1                             | 21      | 5600                | 1                             |
| 7                        | 5529                | 1                             | 22      | 5609                | 1                             |
| 8                        | 5530                | 1                             | 23      | 5610                | 1                             |
| 9                        | 5531                | 1                             | 24      | 5611                | 1                             |
| 10                       | 5540                | 1                             | 25      | 5620                | 1                             |
| 11                       | 5549                | 1                             | 26      | 5629                | 1                             |
| 12                       | 5550                | 1                             | 27      | 5630                | 1                             |
| 13                       | 5551                | 1                             | 28      | 5631                | 1                             |
| 14                       | 5560                | 1                             | 29      | 5640                | 1                             |
| 15                       | 5569                | 1                             | 30      | 5649                | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 7                 | 5555            | 21               | 2                 | 5648            | 6                |
| 8                 | 5579            | 24               | 4                 | 5513            | 12               |
| 11                | 5522            | 33               | 5                 | 5528            | 15               |
| 19                | 5637            | 57               | 7                 | 5542            | 21               |
| 21                | 5601            | 63               | 12                | 5539            | 36               |
| 24                | 5594            | 72               | 13                | 5573            | 39               |
| 27                | 5591            | 81               | 20                | 5635            | 60               |
| 28                | 5568            | 84               | 21                | 5529            | 63               |
| 31                | 5553            | 93               | 22                | 5501            | 66               |
| 33                | 5492            | 99               | 26                | 5574            | 78               |
| 34                | 5523            | 102              | 29                | 5562            | 87               |
| 37                | 5498            | 111              | 30                | 5504            | 90               |
| 42                | 5622            | 126              | 32                | 5547            | 96               |
| 46                | 5563            | 138              | 33                | 5503            | 99               |
| 49                | 5580            | 147              | 36                | 5618            | 108              |
| 53                | 5626            | 159              | 39                | 5565            | 117              |
| 54                | 5644            | 162              | 40                | 5622            | 120              |
| 55                | 5559            | 165              | 41                | 5554            | 123              |
| 58                | 5598            | 174              | 44                | 5495            | 132              |
| 63                | 5578            | 189              | 52                | 5548            | 156              |
| 67                | 5543            | 201              | 59                | 5506            | 177              |
| 72                | 5554            | 216              | 61                | 5550            | 183              |
| 76                | 5536            | 228              | 64                | 5560            | 192              |
| 82                | 5570            | 246              | 66                | 5502            | 198              |
| 86                | 5646            | 258              | 71                | 5629            | 213              |
| 89                | 5635            | 267              | 73                | 5566            | 219              |
| 92                | 5574            | 276              | 77                | 5576            | 231              |
| 97                | 5612            | 291              | 78                | 5509            | 234              |
| 99                | 5562            | 297              | 80                | 5598            | 240              |
| 100               | 5571            | 300              | 81                | 5531            | 243              |
| --                | --              | --               | 85                | 5514            | 255              |
| --                | --              | --               | 86                | 5603            | 258              |
| --                | --              | --               | 90                | 5588            | 270              |
| --                | --              | --               | 96                | 5525            | 288              |

|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 98 | 5595 | 294 |
|----|----|----|----|------|-----|

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 3                 | 5546            | 9                | 7                 | 5494            | 21               |
| 12                | 5570            | 36               | 14                | 5552            | 42               |
| 18                | 5584            | 54               | 15                | 5637            | 45               |
| 21                | 5581            | 63               | 18                | 5547            | 54               |
| 25                | 5505            | 75               | 19                | 5642            | 57               |
| 26                | 5574            | 78               | 20                | 5551            | 60               |
| 27                | 5603            | 81               | 22                | 5591            | 66               |
| 32                | 5613            | 96               | 23                | 5572            | 69               |
| 34                | 5496            | 102              | 27                | 5648            | 81               |
| 42                | 5578            | 126              | 32                | 5579            | 96               |
| 46                | 5623            | 138              | 34                | 5598            | 102              |
| 48                | 5556            | 144              | 37                | 5510            | 111              |
| 51                | 5521            | 153              | 39                | 5628            | 117              |
| 52                | 5612            | 156              | 42                | 5532            | 126              |
| 53                | 5494            | 159              | 45                | 5562            | 135              |
| 62                | 5639            | 186              | 46                | 5641            | 138              |
| 63                | 5518            | 189              | 49                | 5593            | 147              |
| 71                | 5552            | 213              | 50                | 5534            | 150              |
| 80                | 5502            | 240              | 52                | 5506            | 156              |
| 84                | 5542            | 252              | 56                | 5541            | 168              |
| 90                | 5610            | 270              | 59                | 5513            | 177              |
| 91                | 5545            | 273              | 70                | 5602            | 210              |
| 92                | 5604            | 276              | 72                | 5643            | 216              |
| 93                | 5640            | 279              | 73                | 5526            | 219              |
| 96                | 5500            | 288              | 76                | 5609            | 228              |
| 98                | 5591            | 294              | 77                | 5645            | 231              |
| 100               | 5582            | 300              | 79                | 5601            | 237              |
| --                | --              | --               | 81                | 5600            | 243              |
| --                | --              | --               | 83                | 5605            | 249              |
| --                | --              | --               | 84                | 5586            | 252              |
| --                | --              | --               | 85                | 5555            | 255              |
| --                | --              | --               | 93                | 5644            | 279              |

|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 96 | 5516 | 288 |
|----|----|----|----|------|-----|

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 2                 | 5592            | 6                | 3                 | 5606            | 9                |
| 4                 | 5555            | 12               | 8                 | 5585            | 24               |
| 9                 | 5491            | 27               | 9                 | 5650            | 27               |
| 10                | 5521            | 30               | 11                | 5544            | 33               |
| 11                | 5590            | 33               | 13                | 5566            | 39               |
| 13                | 5603            | 39               | 15                | 5500            | 45               |
| 17                | 5597            | 51               | 18                | 5638            | 54               |
| 20                | 5578            | 60               | 21                | 5508            | 63               |
| 21                | 5532            | 63               | 27                | 5623            | 81               |
| 23                | 5648            | 69               | 30                | 5499            | 90               |
| 26                | 5586            | 78               | 32                | 5582            | 96               |
| 29                | 5522            | 87               | 33                | 5576            | 99               |
| 32                | 5641            | 96               | 36                | 5586            | 108              |
| 33                | 5639            | 99               | 37                | 5512            | 111              |
| 34                | 5557            | 102              | 43                | 5595            | 129              |
| 36                | 5517            | 108              | 46                | 5516            | 138              |
| 37                | 5504            | 111              | 48                | 5584            | 144              |
| 41                | 5593            | 123              | 49                | 5644            | 147              |
| 42                | 5492            | 126              | 51                | 5642            | 153              |
| 46                | 5507            | 138              | 53                | 5639            | 159              |
| 48                | 5547            | 144              | 56                | 5564            | 168              |
| 49                | 5620            | 147              | 60                | 5515            | 180              |
| 58                | 5545            | 174              | 62                | 5561            | 186              |
| 59                | 5591            | 177              | 63                | 5560            | 189              |
| 61                | 5643            | 183              | 64                | 5557            | 192              |
| 63                | 5527            | 189              | 66                | 5568            | 198              |
| 64                | 5520            | 192              | 67                | 5556            | 201              |
| 65                | 5512            | 195              | 76                | 5506            | 228              |
| 66                | 5563            | 198              | 77                | 5569            | 231              |
| 74                | 5637            | 222              | 79                | 5641            | 237              |
| 75                | 5634            | 225              | 80                | 5495            | 240              |
| 77                | 5581            | 231              | 83                | 5547            | 249              |

|     |      |     |    |      |     |
|-----|------|-----|----|------|-----|
| 78  | 5613 | 234 | 87 | 5536 | 261 |
| 82  | 5627 | 246 | 88 | 5574 | 264 |
| 83  | 5543 | 249 | 93 | 5571 | 279 |
| 86  | 5559 | 258 | 94 | 5549 | 282 |
| 88  | 5594 | 264 | -- | --   | --  |
| 97  | 5607 | 291 | -- | --   | --  |
| 100 | 5621 | 300 | -- | --   | --  |

| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 6                 | 5573            | 18               | 5                 | 5506            | 15               |
| 8                 | 5582            | 24               | 9                 | 5490            | 27               |
| 12                | 5500            | 36               | 11                | 5568            | 33               |
| 13                | 5635            | 39               | 12                | 5533            | 36               |
| 14                | 5514            | 42               | 13                | 5602            | 39               |
| 17                | 5533            | 51               | 15                | 5557            | 45               |
| 20                | 5597            | 60               | 19                | 5519            | 57               |
| 21                | 5493            | 63               | 23                | 5606            | 69               |
| 23                | 5575            | 69               | 24                | 5577            | 72               |
| 26                | 5630            | 78               | 26                | 5595            | 78               |
| 27                | 5632            | 81               | 28                | 5525            | 84               |
| 29                | 5619            | 87               | 30                | 5497            | 90               |
| 36                | 5553            | 108              | 31                | 5553            | 93               |
| 37                | 5491            | 111              | 32                | 5515            | 96               |
| 39                | 5541            | 117              | 33                | 5516            | 99               |
| 42                | 5650            | 126              | 35                | 5643            | 105              |
| 46                | 5558            | 138              | 41                | 5594            | 123              |
| 47                | 5628            | 141              | 45                | 5596            | 135              |
| 50                | 5593            | 150              | 47                | 5518            | 141              |
| 51                | 5551            | 153              | 49                | 5508            | 147              |
| 53                | 5512            | 159              | 64                | 5563            | 192              |
| 55                | 5637            | 165              | 66                | 5635            | 198              |
| 56                | 5569            | 168              | 67                | 5548            | 201              |
| 57                | 5611            | 171              | 72                | 5642            | 216              |
| 65                | 5556            | 195              | 77                | 5629            | 231              |
| 72                | 5517            | 216              | 79                | 5588            | 237              |

|    |      |     |     |      |     |
|----|------|-----|-----|------|-----|
| 75 | 5624 | 225 | 81  | 5547 | 243 |
| 76 | 5572 | 228 | 82  | 5609 | 246 |
| 82 | 5562 | 246 | 89  | 5502 | 267 |
| 85 | 5520 | 255 | 96  | 5571 | 288 |
| 87 | 5574 | 261 | 100 | 5503 | 300 |
| 90 | 5627 | 270 | --  | --   | --  |
| 91 | 5571 | 273 | --  | --   | --  |
| 93 | 5521 | 279 | --  | --   | --  |
| 98 | 5499 | 294 | --  | --   | --  |
| 99 | 5563 | 297 | --  | --   | --  |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                 | 5641            | 9                | 2                  | 5545            | 6                |
| 8                 | 5603            | 24               | 5                  | 5644            | 15               |
| 10                | 5583            | 30               | 11                 | 5596            | 33               |
| 11                | 5520            | 33               | 17                 | 5628            | 51               |
| 19                | 5627            | 57               | 20                 | 5641            | 60               |
| 20                | 5524            | 60               | 22                 | 5570            | 66               |
| 22                | 5573            | 66               | 23                 | 5621            | 69               |
| 23                | 5507            | 69               | 26                 | 5604            | 78               |
| 25                | 5563            | 75               | 29                 | 5494            | 87               |
| 26                | 5650            | 78               | 31                 | 5532            | 93               |
| 28                | 5608            | 84               | 35                 | 5600            | 105              |
| 29                | 5631            | 87               | 36                 | 5634            | 108              |
| 31                | 5570            | 93               | 38                 | 5591            | 114              |
| 34                | 5635            | 102              | 39                 | 5584            | 117              |
| 35                | 5569            | 105              | 42                 | 5554            | 126              |
| 36                | 5521            | 108              | 45                 | 5526            | 135              |
| 41                | 5634            | 123              | 46                 | 5613            | 138              |
| 42                | 5542            | 126              | 50                 | 5602            | 150              |
| 43                | 5541            | 129              | 59                 | 5592            | 177              |
| 55                | 5561            | 165              | 64                 | 5566            | 192              |
| 58                | 5590            | 174              | 65                 | 5624            | 195              |
| 65                | 5646            | 195              | 67                 | 5606            | 201              |
| 73                | 5610            | 219              | 68                 | 5595            | 204              |
| 82                | 5557            | 246              | 73                 | 5490            | 219              |
| 83                | 5612            | 249              | 76                 | 5504            | 228              |
| 89                | 5574            | 267              | 79                 | 5642            | 237              |
| 90                | 5620            | 270              | 86                 | 5622            | 258              |
| 93                | 5505            | 279              | 89                 | 5491            | 267              |
| 94                | 5647            | 282              | 90                 | 5521            | 270              |
| 97                | 5506            | 291              | 91                 | 5559            | 273              |
| --                | --              | --               | 93                 | 5506            | 279              |
| --                | --              | --               | 97                 | 5646            | 291              |
| --                | --              | --               | 100                | 5555            | 300              |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5605            | 3                | 2                  | 5613            | 6                |
| 3                  | 5592            | 9                | 3                  | 5638            | 9                |
| 5                  | 5584            | 15               | 4                  | 5645            | 12               |
| 9                  | 5501            | 27               | 6                  | 5640            | 18               |
| 10                 | 5580            | 30               | 7                  | 5584            | 21               |
| 13                 | 5532            | 39               | 8                  | 5523            | 24               |
| 19                 | 5513            | 57               | 22                 | 5588            | 66               |
| 20                 | 5572            | 60               | 24                 | 5618            | 72               |
| 22                 | 5499            | 66               | 26                 | 5575            | 78               |
| 29                 | 5516            | 87               | 27                 | 5509            | 81               |
| 39                 | 5562            | 117              | 31                 | 5511            | 93               |
| 40                 | 5525            | 120              | 32                 | 5622            | 96               |
| 42                 | 5566            | 126              | 39                 | 5506            | 117              |
| 46                 | 5509            | 138              | 43                 | 5516            | 129              |
| 49                 | 5528            | 147              | 49                 | 5594            | 147              |
| 52                 | 5616            | 156              | 54                 | 5580            | 162              |
| 54                 | 5546            | 162              | 61                 | 5621            | 183              |
| 71                 | 5586            | 213              | 63                 | 5561            | 189              |
| 72                 | 5534            | 216              | 64                 | 5629            | 192              |
| 80                 | 5560            | 240              | 67                 | 5648            | 201              |
| 81                 | 5638            | 243              | 68                 | 5563            | 204              |
| 83                 | 5585            | 249              | 73                 | 5639            | 219              |
| 84                 | 5583            | 252              | 74                 | 5647            | 222              |
| 87                 | 5636            | 261              | 81                 | 5585            | 243              |
| 90                 | 5533            | 270              | 83                 | 5567            | 249              |
| 93                 | 5635            | 279              | 84                 | 5491            | 252              |
| 95                 | 5530            | 285              | 85                 | 5616            | 255              |
| 96                 | 5575            | 288              | 87                 | 5570            | 261              |
| 97                 | 5615            | 291              | 88                 | 5592            | 264              |
| 98                 | 5559            | 294              | 89                 | 5565            | 267              |
| --                 | --              | --               | 90                 | 5650            | 270              |
| --                 | --              | --               | 97                 | 5558            | 291              |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5566            | 12               | 3                  | 5618            | 9                |
| 6                  | 5536            | 18               | 4                  | 5564            | 12               |
| 7                  | 5601            | 21               | 8                  | 5602            | 24               |
| 9                  | 5634            | 27               | 18                 | 5601            | 54               |
| 15                 | 5506            | 45               | 20                 | 5506            | 60               |
| 16                 | 5519            | 48               | 22                 | 5568            | 66               |
| 20                 | 5567            | 60               | 24                 | 5530            | 72               |
| 28                 | 5624            | 84               | 26                 | 5559            | 78               |
| 30                 | 5545            | 90               | 29                 | 5642            | 87               |
| 36                 | 5513            | 108              | 38                 | 5493            | 114              |
| 41                 | 5573            | 123              | 47                 | 5611            | 141              |
| 44                 | 5612            | 132              | 48                 | 5630            | 144              |
| 46                 | 5560            | 138              | 49                 | 5625            | 147              |
| 50                 | 5605            | 150              | 51                 | 5512            | 153              |
| 51                 | 5598            | 153              | 53                 | 5521            | 159              |
| 54                 | 5542            | 162              | 57                 | 5599            | 171              |
| 57                 | 5597            | 171              | 59                 | 5500            | 177              |
| 58                 | 5546            | 174              | 62                 | 5574            | 186              |
| 60                 | 5520            | 180              | 69                 | 5632            | 207              |
| 61                 | 5571            | 183              | 79                 | 5513            | 237              |
| 62                 | 5552            | 186              | 80                 | 5549            | 240              |
| 73                 | 5633            | 219              | 81                 | 5619            | 243              |
| 74                 | 5611            | 222              | 82                 | 5581            | 246              |
| 78                 | 5549            | 234              | 85                 | 5492            | 255              |
| 80                 | 5638            | 240              | 90                 | 5596            | 270              |
| 83                 | 5609            | 249              | 93                 | 5646            | 279              |
| 85                 | 5556            | 255              | 97                 | 5504            | 291              |
| 89                 | 5554            | 267              | 100                | 5624            | 300              |
| 90                 | 5507            | 270              | --                 | --              | --               |
| 92                 | 5534            | 276              | --                 | --              | --               |
| 93                 | 5529            | 279              | --                 | --              | --               |
| 95                 | 5602            | 285              | --                 | --              | --               |
| 99                 | 5561            | 297              | --                 | --              | --               |
| 100                | 5497            | 300              | --                 | --              | --               |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                  | 5499            | 24               | 2                  | 5490            | 6                |
| 19                 | 5567            | 57               | 3                  | 5492            | 9                |
| 24                 | 5595            | 72               | 5                  | 5516            | 15               |
| 26                 | 5492            | 78               | 8                  | 5543            | 24               |
| 27                 | 5610            | 81               | 10                 | 5610            | 30               |
| 30                 | 5573            | 90               | 13                 | 5491            | 39               |
| 33                 | 5630            | 99               | 15                 | 5615            | 45               |
| 35                 | 5536            | 105              | 16                 | 5496            | 48               |
| 38                 | 5618            | 114              | 19                 | 5626            | 57               |
| 42                 | 5498            | 126              | 24                 | 5541            | 72               |
| 43                 | 5603            | 129              | 26                 | 5565            | 78               |
| 45                 | 5626            | 135              | 32                 | 5609            | 96               |
| 47                 | 5497            | 141              | 36                 | 5493            | 108              |
| 48                 | 5642            | 144              | 37                 | 5629            | 111              |
| 52                 | 5535            | 156              | 39                 | 5556            | 117              |
| 55                 | 5547            | 165              | 43                 | 5551            | 129              |
| 57                 | 5518            | 171              | 44                 | 5523            | 132              |
| 58                 | 5537            | 174              | 46                 | 5535            | 138              |
| 62                 | 5514            | 186              | 51                 | 5625            | 153              |
| 64                 | 5634            | 192              | 54                 | 5612            | 162              |
| 67                 | 5516            | 201              | 57                 | 5513            | 171              |
| 68                 | 5570            | 204              | 63                 | 5531            | 189              |
| 69                 | 5584            | 207              | 65                 | 5552            | 195              |
| 76                 | 5501            | 228              | 66                 | 5534            | 198              |
| 77                 | 5601            | 231              | 69                 | 5544            | 207              |
| 78                 | 5513            | 234              | 70                 | 5648            | 210              |
| 79                 | 5543            | 237              | 73                 | 5566            | 219              |
| 80                 | 5600            | 240              | 74                 | 5504            | 222              |
| 83                 | 5524            | 249              | 76                 | 5604            | 228              |
| 84                 | 5566            | 252              | 81                 | 5539            | 243              |
| 85                 | 5648            | 255              | 84                 | 5583            | 252              |
| 89                 | 5554            | 267              | 86                 | 5567            | 258              |
| 90                 | 5589            | 270              | 88                 | 5649            | 264              |
| 97                 | 5613            | 291              | 90                 | 5525            | 270              |

|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 91 | 5560 | 273 |
| -- | -- | -- | 93 | 5647 | 279 |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5613            | 3                | 2                  | 5549            | 6                |
| 2                  | 5552            | 6                | 4                  | 5632            | 12               |
| 7                  | 5591            | 21               | 5                  | 5633            | 15               |
| 9                  | 5603            | 27               | 10                 | 5519            | 30               |
| 10                 | 5506            | 30               | 14                 | 5524            | 42               |
| 13                 | 5636            | 39               | 20                 | 5535            | 60               |
| 14                 | 5557            | 42               | 24                 | 5615            | 72               |
| 19                 | 5587            | 57               | 28                 | 5642            | 84               |
| 20                 | 5649            | 60               | 30                 | 5621            | 90               |
| 24                 | 5586            | 72               | 32                 | 5585            | 96               |
| 25                 | 5632            | 75               | 33                 | 5623            | 99               |
| 27                 | 5628            | 81               | 35                 | 5592            | 105              |
| 29                 | 5550            | 87               | 40                 | 5501            | 120              |
| 31                 | 5625            | 93               | 42                 | 5650            | 126              |
| 33                 | 5529            | 99               | 47                 | 5517            | 141              |
| 34                 | 5523            | 102              | 48                 | 5577            | 144              |
| 39                 | 5626            | 117              | 50                 | 5627            | 150              |
| 40                 | 5604            | 120              | 52                 | 5565            | 156              |
| 42                 | 5599            | 126              | 55                 | 5575            | 165              |
| 43                 | 5622            | 129              | 56                 | 5629            | 168              |
| 44                 | 5577            | 132              | 57                 | 5533            | 171              |
| 47                 | 5647            | 141              | 59                 | 5639            | 177              |
| 50                 | 5507            | 150              | 60                 | 5618            | 180              |
| 56                 | 5567            | 168              | 63                 | 5544            | 189              |
| 61                 | 5565            | 183              | 72                 | 5552            | 216              |
| 64                 | 5585            | 192              | 73                 | 5518            | 219              |
| 65                 | 5635            | 195              | 76                 | 5584            | 228              |
| 69                 | 5578            | 207              | 77                 | 5612            | 231              |
| 70                 | 5583            | 210              | 79                 | 5593            | 237              |
| 71                 | 5543            | 213              | 82                 | 5610            | 246              |
| 76                 | 5511            | 228              | 85                 | 5574            | 255              |

|    |      |     |    |      |     |
|----|------|-----|----|------|-----|
| 79 | 5514 | 237 | 88 | 5548 | 264 |
| 81 | 5629 | 243 | 94 | 5558 | 282 |
| 83 | 5555 | 249 | 95 | 5545 | 285 |
| 88 | 5561 | 264 | -- | --   | --  |
| 90 | 5541 | 270 | -- | --   | --  |
| 94 | 5607 | 282 | -- | --   | --  |
| 95 | 5538 | 285 | -- | --   | --  |
| 96 | 5615 | 288 | -- | --   | --  |
| 97 | 5609 | 291 | -- | --   | --  |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5496            | 3                | 1                  | 5517            | 3                |
| 5                  | 5511            | 15               | 2                  | 5595            | 6                |
| 6                  | 5617            | 18               | 6                  | 5523            | 18               |
| 7                  | 5526            | 21               | 7                  | 5556            | 21               |
| 9                  | 5547            | 27               | 9                  | 5511            | 27               |
| 11                 | 5558            | 33               | 13                 | 5619            | 39               |
| 12                 | 5570            | 36               | 31                 | 5501            | 93               |
| 14                 | 5540            | 42               | 36                 | 5643            | 108              |
| 17                 | 5586            | 51               | 37                 | 5601            | 111              |
| 19                 | 5513            | 57               | 40                 | 5596            | 120              |
| 21                 | 5587            | 63               | 41                 | 5497            | 123              |
| 23                 | 5531            | 69               | 42                 | 5604            | 126              |
| 26                 | 5565            | 78               | 44                 | 5552            | 132              |
| 27                 | 5568            | 81               | 45                 | 5613            | 135              |
| 31                 | 5605            | 93               | 46                 | 5622            | 138              |
| 34                 | 5588            | 102              | 52                 | 5623            | 156              |
| 41                 | 5579            | 123              | 56                 | 5491            | 168              |
| 42                 | 5604            | 126              | 62                 | 5576            | 186              |
| 45                 | 5648            | 135              | 64                 | 5580            | 192              |
| 46                 | 5600            | 138              | 69                 | 5614            | 207              |
| 55                 | 5563            | 165              | 74                 | 5530            | 222              |
| 57                 | 5620            | 171              | 75                 | 5560            | 225              |
| 61                 | 5575            | 183              | 78                 | 5644            | 234              |
| 62                 | 5546            | 186              | 81                 | 5551            | 243              |

|     |      |     |    |      |     |
|-----|------|-----|----|------|-----|
| 64  | 5636 | 192 | 84 | 5637 | 252 |
| 66  | 5584 | 198 | 87 | 5649 | 261 |
| 68  | 5505 | 204 | 90 | 5621 | 270 |
| 69  | 5591 | 207 | 94 | 5543 | 282 |
| 75  | 5498 | 225 | 97 | 5554 | 291 |
| 78  | 5567 | 234 | 98 | 5553 | 294 |
| 86  | 5512 | 258 | 99 | 5507 | 297 |
| 95  | 5627 | 285 | -- | --   | --  |
| 96  | 5629 | 288 | -- | --   | --  |
| 97  | 5622 | 291 | -- | --   | --  |
| 98  | 5548 | 294 | -- | --   | --  |
| 99  | 5592 | 297 | -- | --   | --  |
| 100 | 5597 | 300 | -- | --   | --  |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 7                  | 5565            | 21               | 4                  | 5646            | 12               |
| 12                 | 5501            | 36               | 8                  | 5500            | 24               |
| 13                 | 5599            | 39               | 9                  | 5598            | 27               |
| 16                 | 5630            | 48               | 12                 | 5577            | 36               |
| 18                 | 5518            | 54               | 13                 | 5522            | 39               |
| 19                 | 5545            | 57               | 16                 | 5519            | 48               |
| 20                 | 5625            | 60               | 19                 | 5568            | 57               |
| 23                 | 5520            | 69               | 23                 | 5634            | 69               |
| 29                 | 5588            | 87               | 26                 | 5615            | 78               |
| 30                 | 5643            | 90               | 29                 | 5550            | 87               |
| 32                 | 5603            | 96               | 32                 | 5609            | 96               |
| 33                 | 5605            | 99               | 34                 | 5624            | 102              |
| 34                 | 5633            | 102              | 35                 | 5637            | 105              |
| 38                 | 5511            | 114              | 37                 | 5560            | 111              |
| 39                 | 5575            | 117              | 38                 | 5610            | 114              |
| 42                 | 5542            | 126              | 41                 | 5491            | 123              |
| 44                 | 5590            | 132              | 46                 | 5603            | 138              |
| 45                 | 5637            | 135              | 47                 | 5602            | 141              |
| 51                 | 5510            | 153              | 49                 | 5604            | 147              |
| 56                 | 5494            | 168              | 52                 | 5520            | 156              |

|    |      |     |    |      |     |
|----|------|-----|----|------|-----|
| 60 | 5618 | 180 | 58 | 5517 | 174 |
| 61 | 5509 | 183 | 63 | 5493 | 189 |
| 62 | 5502 | 186 | 64 | 5558 | 192 |
| 63 | 5581 | 189 | 67 | 5508 | 201 |
| 65 | 5523 | 195 | 79 | 5644 | 237 |
| 69 | 5499 | 207 | 85 | 5531 | 255 |
| 70 | 5560 | 210 | 90 | 5647 | 270 |
| 72 | 5638 | 216 | 92 | 5636 | 276 |
| 74 | 5640 | 222 | 94 | 5635 | 282 |
| 78 | 5589 | 234 | 97 | 5578 | 291 |
| 80 | 5553 | 240 | 99 | 5536 | 297 |
| 82 | 5504 | 246 | -- | --   | --  |
| 85 | 5567 | 255 | -- | --   | --  |
| 89 | 5541 | 267 | -- | --   | --  |
| 90 | 5616 | 270 | -- | --   | --  |
| 94 | 5540 | 282 | -- | --   | --  |
| 95 | 5535 | 285 | -- | --   | --  |
| 97 | 5598 | 291 | -- | --   | --  |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5598            | 9                | 2                  | 5584            | 6                |
| 4                  | 5526            | 12               | 12                 | 5616            | 36               |
| 5                  | 5554            | 15               | 25                 | 5589            | 75               |
| 6                  | 5551            | 18               | 28                 | 5516            | 84               |
| 8                  | 5592            | 24               | 37                 | 5594            | 111              |
| 13                 | 5617            | 39               | 38                 | 5503            | 114              |
| 15                 | 5631            | 45               | 42                 | 5549            | 126              |
| 16                 | 5608            | 48               | 44                 | 5606            | 132              |
| 17                 | 5532            | 51               | 48                 | 5566            | 144              |
| 18                 | 5538            | 54               | 51                 | 5644            | 153              |
| 19                 | 5570            | 57               | 53                 | 5556            | 159              |
| 21                 | 5557            | 63               | 54                 | 5504            | 162              |
| 27                 | 5560            | 81               | 58                 | 5539            | 174              |
| 34                 | 5596            | 102              | 63                 | 5598            | 189              |
| 38                 | 5536            | 114              | 64                 | 5507            | 192              |
| 39                 | 5571            | 117              | 66                 | 5612            | 198              |
| 42                 | 5574            | 126              | 69                 | 5643            | 207              |
| 44                 | 5632            | 132              | 76                 | 5542            | 228              |
| 45                 | 5618            | 135              | 77                 | 5548            | 231              |
| 48                 | 5509            | 144              | 78                 | 5541            | 234              |
| 55                 | 5572            | 165              | 80                 | 5537            | 240              |
| 57                 | 5611            | 171              | 82                 | 5558            | 246              |
| 58                 | 5595            | 174              | 83                 | 5617            | 249              |
| 59                 | 5523            | 177              | 84                 | 5561            | 252              |
| 62                 | 5552            | 186              | 85                 | 5577            | 255              |
| 66                 | 5508            | 198              | 86                 | 5634            | 258              |
| 83                 | 5569            | 249              | 87                 | 5585            | 261              |
| 84                 | 5627            | 252              | 92                 | 5553            | 276              |
| 87                 | 5575            | 261              | 94                 | 5648            | 282              |
| 89                 | 5620            | 267              | 95                 | 5501            | 285              |
| 96                 | 5589            | 288              | --                 | --              | --               |
| 98                 | 5593            | 294              | --                 | --              | --               |
| 100                | 5629            | 300              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5577            | 6                | 1                  | 5626            | 3                |
| 5                  | 5647            | 15               | 6                  | 5524            | 18               |
| 8                  | 5499            | 24               | 7                  | 5507            | 21               |
| 11                 | 5504            | 33               | 8                  | 5616            | 24               |
| 18                 | 5634            | 54               | 11                 | 5580            | 33               |
| 19                 | 5550            | 57               | 14                 | 5546            | 42               |
| 21                 | 5649            | 63               | 15                 | 5600            | 45               |
| 24                 | 5579            | 72               | 19                 | 5589            | 57               |
| 25                 | 5601            | 75               | 20                 | 5530            | 60               |
| 26                 | 5556            | 78               | 23                 | 5583            | 69               |
| 32                 | 5505            | 96               | 24                 | 5592            | 72               |
| 35                 | 5537            | 105              | 25                 | 5562            | 75               |
| 36                 | 5502            | 108              | 33                 | 5567            | 99               |
| 41                 | 5538            | 123              | 36                 | 5577            | 108              |
| 42                 | 5573            | 126              | 37                 | 5497            | 111              |
| 44                 | 5496            | 132              | 38                 | 5552            | 114              |
| 45                 | 5531            | 135              | 42                 | 5556            | 126              |
| 48                 | 5618            | 144              | 47                 | 5603            | 141              |
| 51                 | 5595            | 153              | 49                 | 5579            | 147              |
| 55                 | 5608            | 165              | 52                 | 5641            | 156              |
| 57                 | 5639            | 171              | 57                 | 5570            | 171              |
| 76                 | 5494            | 228              | 64                 | 5531            | 192              |
| 77                 | 5535            | 231              | 66                 | 5582            | 198              |
| 78                 | 5587            | 234              | 67                 | 5576            | 201              |
| 81                 | 5611            | 243              | 68                 | 5564            | 204              |
| 82                 | 5522            | 246              | 69                 | 5508            | 207              |
| 85                 | 5606            | 255              | 72                 | 5569            | 216              |
| 88                 | 5514            | 264              | 73                 | 5553            | 219              |
| 92                 | 5565            | 276              | 79                 | 5495            | 237              |
| 95                 | 5515            | 285              | 80                 | 5506            | 240              |
| --                 | --              | --               | 83                 | 5533            | 249              |
| --                 | --              | --               | 84                 | 5538            | 252              |
| --                 | --              | --               | 88                 | 5575            | 264              |
| --                 | --              | --               | 93                 | 5620            | 279              |

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|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 98 | 5590 | 294 |
|----|----|----|----|------|-----|

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5604            | 3                | 1                  | 5551            | 3                |
| 7                  | 5500            | 21               | 5                  | 5504            | 15               |
| 13                 | 5627            | 39               | 8                  | 5502            | 24               |
| 20                 | 5501            | 60               | 9                  | 5647            | 27               |
| 23                 | 5588            | 69               | 12                 | 5560            | 36               |
| 24                 | 5600            | 72               | 14                 | 5590            | 42               |
| 25                 | 5492            | 75               | 19                 | 5595            | 57               |
| 26                 | 5597            | 78               | 23                 | 5568            | 69               |
| 27                 | 5552            | 81               | 24                 | 5497            | 72               |
| 28                 | 5578            | 84               | 26                 | 5630            | 78               |
| 29                 | 5607            | 87               | 27                 | 5530            | 81               |
| 30                 | 5630            | 90               | 30                 | 5596            | 90               |
| 31                 | 5583            | 93               | 31                 | 5639            | 93               |
| 35                 | 5576            | 105              | 35                 | 5561            | 105              |
| 42                 | 5620            | 126              | 36                 | 5544            | 108              |
| 44                 | 5633            | 132              | 38                 | 5637            | 114              |
| 47                 | 5594            | 141              | 40                 | 5541            | 120              |
| 48                 | 5531            | 144              | 46                 | 5567            | 138              |
| 58                 | 5573            | 174              | 47                 | 5565            | 141              |
| 60                 | 5556            | 180              | 51                 | 5641            | 153              |
| 64                 | 5609            | 192              | 60                 | 5562            | 180              |
| 69                 | 5496            | 207              | 63                 | 5525            | 189              |
| 70                 | 5613            | 210              | 64                 | 5517            | 192              |
| 72                 | 5526            | 216              | 65                 | 5538            | 195              |
| 75                 | 5538            | 225              | 69                 | 5520            | 207              |
| 76                 | 5498            | 228              | 72                 | 5554            | 216              |
| 77                 | 5525            | 231              | 73                 | 5534            | 219              |
| 79                 | 5641            | 237              | 75                 | 5628            | 225              |
| 80                 | 5550            | 240              | 78                 | 5524            | 234              |
| 82                 | 5640            | 246              | 82                 | 5618            | 246              |
| 85                 | 5533            | 255              | 84                 | 5631            | 252              |
| 93                 | 5614            | 279              | 88                 | 5601            | 264              |
| 94                 | 5542            | 282              | 95                 | 5537            | 285              |
| 96                 | 5506            | 288              | 96                 | 5579            | 288              |

|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 97 | 5589 | 291 |
|----|----|----|----|------|-----|

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5547            | 3                | 3                  | 5498            | 9                |
| 2                  | 5515            | 6                | 4                  | 5567            | 12               |
| 4                  | 5621            | 12               | 5                  | 5640            | 15               |
| 6                  | 5592            | 18               | 10                 | 5647            | 30               |
| 14                 | 5633            | 42               | 12                 | 5548            | 36               |
| 16                 | 5553            | 48               | 14                 | 5599            | 42               |
| 18                 | 5644            | 54               | 18                 | 5561            | 54               |
| 19                 | 5536            | 57               | 20                 | 5526            | 60               |
| 26                 | 5535            | 78               | 21                 | 5630            | 63               |
| 27                 | 5561            | 81               | 22                 | 5578            | 66               |
| 30                 | 5613            | 90               | 24                 | 5610            | 72               |
| 32                 | 5514            | 96               | 27                 | 5507            | 81               |
| 36                 | 5519            | 108              | 33                 | 5505            | 99               |
| 42                 | 5516            | 126              | 36                 | 5524            | 108              |
| 43                 | 5649            | 129              | 38                 | 5587            | 114              |
| 45                 | 5511            | 135              | 39                 | 5598            | 117              |
| 46                 | 5628            | 138              | 41                 | 5592            | 123              |
| 48                 | 5510            | 144              | 42                 | 5542            | 126              |
| 64                 | 5608            | 192              | 53                 | 5535            | 159              |
| 69                 | 5512            | 207              | 57                 | 5584            | 171              |
| 71                 | 5505            | 213              | 58                 | 5517            | 174              |
| 76                 | 5585            | 228              | 60                 | 5623            | 180              |
| 78                 | 5523            | 234              | 63                 | 5541            | 189              |
| 80                 | 5593            | 240              | 64                 | 5518            | 192              |
| 84                 | 5607            | 252              | 70                 | 5549            | 210              |
| 89                 | 5546            | 267              | 76                 | 5564            | 228              |
| 90                 | 5640            | 270              | 77                 | 5529            | 231              |
| --                 | --              | --               | 79                 | 5626            | 237              |
| --                 | --              | --               | 80                 | 5628            | 240              |
| --                 | --              | --               | 81                 | 5546            | 243              |
| --                 | --              | --               | 83                 | 5522            | 249              |
| --                 | --              | --               | 85                 | 5530            | 255              |

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|    |    |    |    |      |     |
|----|----|----|----|------|-----|
| -- | -- | -- | 90 | 5616 | 270 |
| -- | -- | -- | 91 | 5603 | 273 |
| -- | -- | -- | 94 | 5516 | 282 |
| -- | -- | -- | 97 | 5525 | 291 |
| -- | -- | -- | 98 | 5568 | 294 |

## 11.Zero-wait 測試結果

|       |                                                               |      |            |
|-------|---------------------------------------------------------------|------|------------|
| 待測物名稱 | AX6600 Wi-Fi 6 三頻電競路由器                                        | 溫度   | 27°C       |
| 測試工程師 | Kevin Ker                                                     | 濕度   | 65%        |
| 測試場地  | AC1                                                           | 測試日期 | 2020/04/16 |
| 測試項目  | Radar Statistical Performance Check (802.11ax-HE20 – 5580MHz) |      |            |

Radar Type 1 - Radar Statistical Performance

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       | 5570.4              | 1                   | 618      | 86             | 1                             |
| 2       | 5570.4              | 1                   | 738      | 72             | 1                             |
| 3       | 5570.4              | 1                   | 598      | 89             | 1                             |
| 4       | 5570.4              | 1                   | 758      | 70             | 1                             |
| 5       | 5570.4              | 1                   | 658      | 81             | 1                             |
| 6       | 5570.4              | 1                   | 938      | 57             | 1                             |
| 7       | 5570.4              | 1                   | 898      | 59             | 1                             |
| 8       | 5570.4              | 1                   | 698      | 76             | 1                             |
| 9       | 5570.4              | 1                   | 918      | 58             | 1                             |
| 10      | 5570.4              | 1                   | 818      | 65             | 1                             |
| 11      | 5580.0              | 1                   | 718      | 74             | 1                             |
| 12      | 5580.0              | 1                   | 678      | 78             | 1                             |
| 13      | 5580.0              | 1                   | 778      | 68             | 1                             |
| 14      | 5580.0              | 1                   | 858      | 62             | 1                             |
| 15      | 5580.0              | 1                   | 798      | 67             | 1                             |
| 16      | 5580.0              | 1                   | 1152     | 46             | 1                             |
| 17      | 5580.0              | 1                   | 2693     | 20             | 1                             |
| 18      | 5580.0              | 1                   | 1237     | 43             | 1                             |
| 19      | 5580.0              | 1                   | 1096     | 49             | 1                             |
| 20      | 5580.0              | 1                   | 2522     | 21             | 1                             |
| 21      | 5589.6              | 1                   | 1731     | 31             | 1                             |
| 22      | 5589.6              | 1                   | 2992     | 18             | 1                             |
| 23      | 5589.6              | 1                   | 2357     | 23             | 1                             |
| 24      | 5589.6              | 1                   | 876      | 61             | 1                             |
| 25      | 5589.6              | 1                   | 825      | 64             | 1                             |
| 26      | 5589.6              | 1                   | 2403     | 22             | 1                             |

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 27                       | 5589.6              | 1                   | 1796     | 30             | 1                             |
| 28                       | 5589.6              | 1                   | 2716     | 20             | 1                             |
| 29                       | 5589.6              | 1                   | 1307     | 41             | 1                             |
| 30                       | 5589.6              | 1                   | 3065     | 18             | 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                        | 5570.4              | 1.5                 | 224      | 24             | 1                             |
| 2                        | 5570.4              | 3.0                 | 165      | 26             | 1                             |
| 3                        | 5570.4              | 4.5                 | 178      | 23             | 1                             |
| 4                        | 5570.4              | 4.1                 | 189      | 26             | 1                             |
| 5                        | 5570.4              | 5.0                 | 198      | 25             | 1                             |
| 6                        | 5570.4              | 3.2                 | 203      | 26             | 1                             |
| 7                        | 5570.4              | 4.9                 | 198      | 24             | 1                             |
| 8                        | 5570.4              | 5.0                 | 230      | 25             | 1                             |
| 9                        | 5570.4              | 2.1                 | 212      | 24             | 0                             |
| 10                       | 5570.4              | 3.9                 | 170      | 24             | 1                             |
| 11                       | 5580.0              | 1.9                 | 200      | 27             | 1                             |
| 12                       | 5580.0              | 4.1                 | 162      | 27             | 1                             |
| 13                       | 5580.0              | 3.7                 | 192      | 26             | 1                             |
| 14                       | 5580.0              | 1.8                 | 161      | 25             | 1                             |
| 15                       | 5580.0              | 1.3                 | 175      | 25             | 1                             |
| 16                       | 5580.0              | 3.4                 | 153      | 29             | 1                             |
| 17                       | 5580.0              | 1.9                 | 181      | 25             | 1                             |
| 18                       | 5580.0              | 2.4                 | 177      | 25             | 1                             |
| 19                       | 5580.0              | 4.7                 | 221      | 25             | 1                             |
| 20                       | 5580.0              | 4.1                 | 223      | 24             | 1                             |
| 21                       | 5589.6              | 1.4                 | 181      | 25             | 1                             |
| 22                       | 5589.6              | 2.4                 | 185      | 26             | 1                             |
| 23                       | 5589.6              | 4.9                 | 160      | 26             | 1                             |
| 24                       | 5589.6              | 4.1                 | 202      | 29             | 1                             |
| 25                       | 5589.6              | 2.1                 | 182      | 26             | 1                             |
| 26                       | 5589.6              | 3.2                 | 158      | 28             | 1                             |
| 27                       | 5589.6              | 1.6                 | 219      | 28             | 1                             |
| 28                       | 5589.6              | 3.8                 | 159      | 23             | 1                             |
| 29                       | 5589.6              | 1.0                 | 178      | 24             | 1                             |
| 30                       | 5589.6              | 3.3                 | 189      | 27             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 96.7%                         |

## 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                        | 5570.4              | 8.4                 | 463      | 17             | 1                             |
| 2                        | 5570.4              | 6.1                 | 287      | 17             | 1                             |
| 3                        | 5570.4              | 8.7                 | 366      | 16             | 1                             |
| 4                        | 5570.4              | 7.1                 | 398      | 17             | 1                             |
| 5                        | 5570.4              | 6.6                 | 313      | 16             | 1                             |
| 6                        | 5570.4              | 6.4                 | 450      | 16             | 1                             |
| 7                        | 5570.4              | 6.3                 | 255      | 18             | 1                             |
| 8                        | 5570.4              | 8.7                 | 330      | 16             | 1                             |
| 9                        | 5570.4              | 8.0                 | 299      | 17             | 1                             |
| 10                       | 5570.4              | 7.8                 | 313      | 17             | 0                             |
| 11                       | 5580.0              | 6.8                 | 485      | 18             | 1                             |
| 12                       | 5580.0              | 9.7                 | 214      | 18             | 1                             |
| 13                       | 5580.0              | 7.4                 | 366      | 18             | 1                             |
| 14                       | 5580.0              | 7.6                 | 206      | 17             | 1                             |
| 15                       | 5580.0              | 8.5                 | 367      | 18             | 1                             |
| 16                       | 5580.0              | 7.8                 | 319      | 17             | 1                             |
| 17                       | 5580.0              | 6.6                 | 228      | 16             | 1                             |
| 18                       | 5580.0              | 8.9                 | 205      | 17             | 1                             |
| 19                       | 5580.0              | 7.3                 | 312      | 16             | 1                             |
| 20                       | 5580.0              | 7.3                 | 243      | 18             | 1                             |
| 21                       | 5589.6              | 8.5                 | 316      | 16             | 1                             |
| 22                       | 5589.6              | 9.7                 | 245      | 18             | 1                             |
| 23                       | 5589.6              | 8.7                 | 433      | 17             | 1                             |
| 24                       | 5589.6              | 9.7                 | 478      | 16             | 1                             |
| 25                       | 5589.6              | 7.4                 | 498      | 16             | 1                             |
| 26                       | 5589.6              | 6.4                 | 479      | 18             | 1                             |
| 27                       | 5589.6              | 8.9                 | 458      | 16             | 1                             |
| 28                       | 5589.6              | 7.3                 | 499      | 17             | 1                             |
| 29                       | 5589.6              | 6.8                 | 365      | 17             | 1                             |
| 30                       | 5589.6              | 6.3                 | 222      | 17             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 96.7%                         |

## 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                        | 5570.4              | 11.4                | 464      | 13             | 0                             |
| 2                        | 5570.4              | 19.0                | 410      | 15             | 1                             |
| 3                        | 5570.4              | 12.4                | 212      | 14             | 1                             |
| 4                        | 5570.4              | 17.9                | 316      | 15             | 1                             |
| 5                        | 5570.4              | 12.2                | 391      | 14             | 1                             |
| 6                        | 5570.4              | 17.0                | 487      | 16             | 1                             |
| 7                        | 5570.4              | 18.9                | 484      | 13             | 1                             |
| 8                        | 5570.4              | 18.6                | 402      | 14             | 1                             |
| 9                        | 5570.4              | 12.1                | 216      | 13             | 1                             |
| 10                       | 5570.4              | 12.6                | 203      | 14             | 1                             |
| 11                       | 5580.0              | 14.3                | 278      | 13             | 1                             |
| 12                       | 5580.0              | 14.9                | 352      | 14             | 1                             |
| 13                       | 5580.0              | 14.2                | 437      | 15             | 1                             |
| 14                       | 5580.0              | 17.8                | 270      | 14             | 1                             |
| 15                       | 5580.0              | 16.9                | 471      | 15             | 1                             |
| 16                       | 5580.0              | 16.7                | 400      | 14             | 1                             |
| 17                       | 5580.0              | 11.3                | 210      | 14             | 1                             |
| 18                       | 5580.0              | 19.0                | 449      | 15             | 1                             |
| 19                       | 5580.0              | 11.2                | 460      | 14             | 1                             |
| 20                       | 5580.0              | 15.8                | 456      | 13             | 1                             |
| 21                       | 5589.6              | 14.7                | 457      | 14             | 0                             |
| 22                       | 5589.6              | 11.3                | 277      | 13             | 1                             |
| 23                       | 5589.6              | 12.3                | 310      | 13             | 1                             |
| 24                       | 5589.6              | 19.4                | 361      | 13             | 1                             |
| 25                       | 5589.6              | 13.1                | 324      | 16             | 1                             |
| 26                       | 5589.6              | 11.4                | 405      | 16             | 1                             |
| 27                       | 5589.6              | 17.2                | 213      | 13             | 1                             |
| 28                       | 5589.6              | 13.9                | 291      | 15             | 0                             |
| 29                       | 5589.6              | 17.6                | 398      | 16             | 1                             |
| 30                       | 5589.6              | 16.7                | 336      | 14             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 90%                           |

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

waveforms is as follows:  $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 96.7\% + 96.7\% + 90\%) / 4 = 95.8\% (>80\%)$

## 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                        | 5580.0              | 1                             | 16      | 5577.2              | 1                             |
| 2                        | 5580.0              | 1                             | 17      | 5575.6              | 1                             |
| 3                        | 5580.0              | 1                             | 18      | 5578.4              | 1                             |
| 4                        | 5580.0              | 1                             | 19      | 5573.2              | 0                             |
| 5                        | 5580.0              | 1                             | 20      | 5577.6              | 1                             |
| 6                        | 5580.0              | 1                             | 21      | 5584.0              | 0                             |
| 7                        | 5580.0              | 1                             | 22      | 5587.2              | 1                             |
| 8                        | 5580.0              | 0                             | 23      | 5584.8              | 1                             |
| 9                        | 5580.0              | 1                             | 24      | 5582.0              | 0                             |
| 10                       | 5580.0              | 1                             | 25      | 5587.6              | 1                             |
| 11                       | 5572.8              | 1                             | 26      | 5584.4              | 1                             |
| 12                       | 5575.2              | 1                             | 27      | 5584.0              | 1                             |
| 13                       | 5577.2              | 0                             | 28      | 5581.6              | 1                             |
| 14                       | 5574.0              | 1                             | 29      | 5583.6              | 1                             |
| 15                       | 5575.6              | 1                             | 30      | 5587.2              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 80%                           |

| Type 5 Radar Waveform_1 |                     |                           |                      |                               |                               |                                             |
|-------------------------|---------------------|---------------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------|
| Burst                   | Number of<br>Pulses | Pulse<br>Width (μ<br>sec) | Chirp Width<br>(MHz) | Pulse 1-to-2<br>PRI<br>(μsec) | Pulse 2-to-3<br>PRI<br>(μsec) | Start Location<br>Within Interval<br>(msec) |
| 1                       | 3                   | 87                        | 10                   | 1442                          | 1206                          | 592.731                                     |
| 2                       | 3                   | 93.8                      | 10                   | 1393                          | 1473                          | 476.5                                       |
| 3                       | 1                   | 96.9                      | 10                   |                               |                               | 703.02                                      |
| 4                       | 2                   | 66.5                      | 10                   | 1963                          |                               | 467.77                                      |
| 5                       | 2                   | 69.1                      | 10                   | 1204                          |                               | 91.37                                       |
| 6                       | 2                   | 59.1                      | 10                   | 1439                          |                               | 281.71                                      |
| 7                       | 3                   | 71.4                      | 10                   | 1571                          | 1767                          | 323.99                                      |
| 8                       | 3                   | 64.5                      | 10                   | 1402                          | 1054                          | 603.48                                      |
| 9                       | 3                   | 90.3                      | 10                   | 1871                          | 1975                          | 391.64                                      |
| 10                      | 2                   | 56.8                      | 10                   | 1723                          |                               | 520.68                                      |
| 11                      | 2                   | 64.6                      | 10                   | 1294                          |                               | 656.75                                      |
| 12                      | 2                   | 89.7                      | 10                   | 1599                          |                               | 192.2                                       |
| 13                      | 1                   | 71.1                      | 10                   |                               |                               | 622.42                                      |
| 14                      | 3                   | 70.2                      | 10                   | 1595                          | 1949                          | 18.52                                       |
| 15                      | 3                   | 79                        | 10                   | 1743                          | 1046                          | 639.8                                       |
| 16                      | 3                   | 76.7                      | 10                   | 1781                          | 1221                          | 655.6                                       |

Type 5 Radar Waveform\_2

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 55.1                     | 7                 |                               |                               | 123.288                               |
| 2     | 3                | 89.6                     | 7                 | 1926                          | 1374                          | 522.731                               |
| 3     | 1                | 81.4                     | 7                 |                               |                               | 706.782                               |
| 4     | 1                | 83.5                     | 7                 |                               |                               | 1039.503                              |
| 5     | 3                | 96                       | 7                 | 1084                          | 1072                          | 465.634                               |
| 6     | 1                | 89.7                     | 7                 |                               |                               | 808.775                               |
| 7     | 2                | 84.6                     | 7                 | 1337                          |                               | 325.295                               |
| 8     | 1                | 64.2                     | 7                 |                               |                               | 424.046                               |
| 9     | 3                | 58.8                     | 7                 | 1549                          | 1639                          | 277.477                               |
| 10    | 2                | 89                       | 7                 | 1184                          |                               | 65.138                                |
| 11    | 2                | 60.7                     | 7                 | 1939                          |                               | 118.709                               |

Type 5 Radar Waveform\_3

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 85.5                     | 6                 | 1513                          | 1058                          | 633.251                               |
| 2     | 2                | 58.7                     | 6                 | 1302                          |                               | 1072.697                              |
| 3     | 2                | 55.6                     | 6                 | 1409                          |                               | 770.303                               |
| 4     | 1                | 60.2                     | 6                 |                               |                               | 782.98                                |
| 5     | 2                | 89.7                     | 6                 | 1637                          |                               | 512.707                               |
| 6     | 2                | 69                       | 6                 | 1056                          |                               | 228.103                               |
| 7     | 2                | 63.2                     | 6                 | 1320                          |                               | 1195.06                               |
| 8     | 1                | 58                       | 6                 |                               |                               | 1241.767                              |
| 9     | 3                | 77.4                     | 6                 | 1481                          | 1511                          | 434.733                               |

Type 5 Radar Waveform\_4

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 78.8                     | 8                 |                               |                               | 277.673                               |
| 2     | 1                | 81.5                     | 8                 |                               |                               | 609.66                                |
| 3     | 1                | 81.8                     | 8                 |                               |                               | 880.15                                |
| 4     | 3                | 67.1                     | 8                 | 1444                          | 1572                          | 429.26                                |
| 5     | 3                | 65.8                     | 8                 | 1324                          | 1457                          | 863.71                                |
| 6     | 2                | 77.8                     | 8                 | 1817                          |                               | 49.64                                 |
| 7     | 2                | 90.3                     | 8                 | 1821                          |                               | 1161.36                               |
| 8     | 2                | 80.8                     | 8                 | 1179                          |                               | 830.61                                |
| 9     | 2                | 93.6                     | 8                 | 1195                          |                               | 994.9                                 |
| 10    | 1                | 83                       | 8                 |                               |                               | 287.4                                 |

Type 5 Radar Waveform\_5

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 90.3                     | 9                 | 1762                          |                               | 412.055                               |
| 2     | 2                | 95.2                     | 9                 | 1697                          |                               | 410.21                                |
| 3     | 2                | 69.6                     | 9                 | 1083                          |                               | 858.4                                 |
| 4     | 2                | 65.1                     | 9                 | 1408                          |                               | 326.57                                |
| 5     | 1                | 63.9                     | 9                 |                               |                               | 118.86                                |
| 6     | 3                | 66.9                     | 9                 | 1799                          | 1097                          | 101.81                                |
| 7     | 2                | 56.1                     | 9                 | 1798                          |                               | 875.38                                |
| 8     | 2                | 57.9                     | 9                 | 1673                          |                               | 368.01                                |
| 9     | 1                | 72.1                     | 9                 |                               |                               | 635.74                                |
| 10    | 2                | 78.7                     | 9                 | 1209                          |                               | 730.02                                |
| 11    | 3                | 58.3                     | 9                 | 1597                          | 1251                          | 357.9                                 |
| 12    | 3                | 92.4                     | 9                 | 1733                          | 1424                          | 229.8                                 |

Type 5 Radar Waveform\_6

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 59.1                     | 18                |                               |                               | 861.562                               |
| 2     | 1                | 65.2                     | 18                |                               |                               | 792.17                                |
| 3     | 3                | 91.2                     | 18                | 1144                          | 1377                          | 222.14                                |
| 4     | 2                | 95.2                     | 18                | 1479                          |                               | 758.23                                |
| 5     | 3                | 71                       | 18                | 1460                          | 1490                          | 212.99                                |
| 6     | 3                | 85.7                     | 18                | 1569                          | 1622                          | 447.48                                |
| 7     | 2                | 51.2                     | 18                | 1134                          |                               | 549.74                                |
| 8     | 2                | 81.5                     | 18                | 1473                          |                               | 308.79                                |
| 9     | 2                | 68.9                     | 18                | 1622                          |                               | 854.95                                |
| 10    | 1                | 89                       | 18                |                               |                               | 627.35                                |
| 11    | 2                | 50.5                     | 18                | 1912                          |                               | 939.8                                 |
| 12    | 2                | 71.8                     | 18                | 1344                          |                               | 942.1                                 |

Type 5 Radar Waveform\_7

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 64.9                     | 14                | 1951                          |                               | 688.512                               |
| 2     | 2                | 59                       | 14                | 1475                          |                               | 416.457                               |
| 3     | 2                | 59.1                     | 14                | 1193                          |                               | 1320.343                              |
| 4     | 2                | 58.6                     | 14                | 1941                          |                               | 1148.62                               |
| 5     | 1                | 53                       | 14                |                               |                               | 1009.777                              |
| 6     | 2                | 92.9                     | 14                | 1860                          |                               | 823.733                               |
| 7     | 2                | 78.3                     | 14                | 1867                          |                               | 683.92                                |
| 8     | 2                | 68                       | 14                | 1430                          |                               | 457.137                               |
| 9     | 2                | 63.8                     | 14                | 1848                          |                               | 237.933                               |

Type 5 Radar Waveform\_8

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 Spacing ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-----------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 90.8                     | 10                | 1973                              |                               | 1057.93                               |
| 2     | 1                | 65.2                     | 10                |                                   |                               | 348.93                                |
| 3     | 2                | 73.6                     | 10                | 1442                              |                               | 1316.75                               |
| 4     | 2                | 94                       | 10                | 1916                              |                               | 1398.42                               |
| 5     | 1                | 88.9                     | 10                |                                   |                               | 1199.89                               |
| 6     | 2                | 83.7                     | 10                | 1552                              |                               | 669.13                                |
| 7     | 3                | 79.6                     | 10                | 1020                              | 1353                          | 794.03                                |
| 8     | 2                | 93.7                     | 10                | 1951                              |                               | 266.6                                 |

Type 5 Radar Waveform\_9

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 84.8                     | 10                | 1662                          |                               | 197.827                               |
| 2     | 3                | 90.8                     | 10                | 1437                          | 1129                          | 287.636                               |
| 3     | 1                | 94                       | 10                |                               |                               | 555.362                               |
| 4     | 3                | 64.5                     | 10                | 1680                          | 1448                          | 315.763                               |
| 5     | 3                | 72.9                     | 10                | 1188                          | 1095                          | 87.894                                |
| 6     | 2                | 89.1                     | 10                | 1319                          |                               | 22.915                                |
| 7     | 1                | 64.9                     | 10                |                               |                               | 347.706                               |
| 8     | 2                | 86.5                     | 10                | 1524                          |                               | 422.357                               |
| 9     | 3                | 99                       | 10                | 1400                          | 1455                          | 447.778                               |
| 10    | 2                | 77.6                     | 10                | 1369                          |                               | 526.499                               |
| 11    | 2                | 90.5                     | 10                | 1515                          |                               | 450.111                               |
| 12    | 2                | 77.4                     | 10                | 1396                          |                               | 238.332                               |
| 13    | 2                | 50                       | 10                | 1906                          |                               | 19.773                                |
| 14    | 2                | 61.8                     | 10                | 1139                          |                               | 103.514                               |
| 15    | 3                | 56.7                     | 10                | 1857                          | 1994                          | 600.655                               |
| 16    | 1                | 54.2                     | 10                |                               |                               | 284.576                               |
| 17    | 3                | 52.5                     | 10                | 1663                          | 1440                          | 334.237                               |
| 18    | 2                | 98.2                     | 10                | 1526                          |                               | 302.358                               |
| 19    | 1                | 82.9                     | 10                |                               |                               | 33.379                                |

Type 5 Radar Waveform\_10

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 97.4                     | 16                |                               |                               | 462.399                               |
| 2     | 2                | 51.8                     | 16                | 1898                          |                               | 129.447                               |
| 3     | 3                | 84.8                     | 16                | 1988                          | 1918                          | 464.853                               |
| 4     | 1                | 82.4                     | 16                |                               |                               | 173.68                                |
| 5     | 3                | 70.9                     | 16                | 1954                          | 1852                          | 629.187                               |
| 6     | 1                | 95.1                     | 16                |                               |                               | 1298.753                              |
| 7     | 2                | 81.4                     | 16                | 1053                          |                               | 716.68                                |
| 8     | 3                | 55.2                     | 16                | 1449                          | 1287                          | 859.067                               |
| 9     | 2                | 56.6                     | 16                | 1812                          |                               | 19.733                                |

Type 5 Radar Waveform\_11

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 71.5                     | 6                 | 1328                          |                               | 515.848                               |
| 2     | 2                | 86.4                     | 6                 | 1030                          |                               | 1402.84                               |
| 3     | 3                | 56.2                     | 6                 | 1995                          | 1946                          | 844.77                                |
| 4     | 3                | 82.2                     | 6                 | 1229                          | 1154                          | 1450.47                               |
| 5     | 3                | 95.8                     | 6                 | 1189                          | 1940                          | 217.1                                 |
| 6     | 2                | 52.8                     | 6                 | 1316                          |                               | 765.95                                |
| 7     | 1                | 61.8                     | 6                 |                               |                               | 653.05                                |
| 8     | 2                | 77.8                     | 6                 | 1664                          |                               | 648.3                                 |

Type 5 Radar Waveform\_12

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 58.8                     | 12                |                               |                               | 817.476                               |
| 2     | 2                | 53.3                     | 12                | 1447                          |                               | 59.424                                |
| 3     | 1                | 89                       | 12                |                               |                               | 666.546                               |
| 4     | 1                | 78                       | 12                |                               |                               | 344.419                               |
| 5     | 3                | 73.1                     | 12                | 1266                          | 1749                          | 427.752                               |
| 6     | 2                | 83.4                     | 12                | 1600                          |                               | 404.655                               |
| 7     | 3                | 66.3                     | 12                | 1439                          | 1688                          | 399.658                               |
| 8     | 2                | 92                       | 12                | 1890                          |                               | 915.362                               |
| 9     | 3                | 71.9                     | 12                | 1941                          | 1321                          | 914.865                               |
| 10    | 3                | 56.7                     | 12                | 1653                          | 1133                          | 353.518                               |
| 11    | 1                | 72.1                     | 12                |                               |                               | 811.031                               |
| 12    | 2                | 76.6                     | 12                | 1862                          |                               | 556.554                               |
| 13    | 2                | 86.1                     | 12                | 1914                          |                               | 41.477                                |

Type 5 Radar Waveform\_13

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 93.6                     | 17                | 1613                          |                               | 614.939                               |
| 2     | 2                | 97.5                     | 17                | 1257                          |                               | 301.98                                |
| 3     | 1                | 97.2                     | 17                |                               |                               | 506.55                                |
| 4     | 3                | 91                       | 17                | 1898                          | 1498                          | 839.23                                |
| 5     | 2                | 62                       | 17                | 1020                          |                               | 46.96                                 |
| 6     | 1                | 86.7                     | 17                |                               |                               | 852.95                                |
| 7     | 1                | 62.3                     | 17                |                               |                               | 414.75                                |
| 8     | 1                | 82.3                     | 17                |                               |                               | 23.71                                 |
| 9     | 2                | 89.7                     | 17                | 1009                          |                               | 488.29                                |
| 10    | 1                | 62.7                     | 17                |                               |                               | 760.21                                |
| 11    | 2                | 62.2                     | 17                | 1215                          |                               | 373                                   |
| 12    | 1                | 99                       | 17                |                               |                               | 968.8                                 |

Type 5 Radar Waveform\_14

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 83                       | 9                 |                               |                               | 59.276                                |
| 2     | 2                | 62.3                     | 9                 | 1732                          |                               | 740.32                                |
| 3     | 2                | 76.5                     | 9                 | 1745                          |                               | 308.88                                |
| 4     | 1                | 85.2                     | 9                 |                               |                               | 667.57                                |
| 5     | 3                | 95.2                     | 9                 | 1706                          | 1230                          | 776.83                                |
| 6     | 2                | 65.8                     | 9                 | 1343                          |                               | 776.73                                |
| 7     | 2                | 57.1                     | 9                 | 1266                          |                               | 85.67                                 |
| 8     | 2                | 82.6                     | 9                 | 1059                          |                               | 300.43                                |
| 9     | 2                | 100                      | 9                 | 1717                          |                               | 620.34                                |
| 10    | 2                | 62.4                     | 9                 | 1935                          |                               | 765.82                                |
| 11    | 1                | 82                       | 9                 |                               |                               | 163.42                                |
| 12    | 2                | 83.8                     | 9                 | 1486                          |                               | 40.8                                  |
| 13    | 2                | 65.3                     | 9                 | 1439                          |                               | 503.4                                 |
| 14    | 3                | 79.4                     | 9                 | 1430                          | 1764                          | 165.3                                 |
| 15    | 2                | 53                       | 9                 | 1613                          |                               | 336.5                                 |

Type 5 Radar Waveform\_15

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 63.5                     | 13                |                               |                               | 261.534                               |
| 2     | 1                | 79                       | 13                |                               |                               | 280.508                               |
| 3     | 1                | 73.4                     | 13                |                               |                               | 264.795                               |
| 4     | 2                | 92                       | 13                | 1334                          |                               | 185.083                               |
| 5     | 3                | 56.5                     | 13                | 1291                          | 1094                          | 502.041                               |
| 6     | 1                | 90.6                     | 13                |                               |                               | 582.438                               |
| 7     | 3                | 60.4                     | 13                | 1293                          | 1112                          | 444.926                               |
| 8     | 2                | 69.4                     | 13                | 1684                          |                               | 316.594                               |
| 9     | 1                | 95.3                     | 13                |                               |                               | 356.531                               |
| 10    | 2                | 99                       | 13                | 1082                          |                               | 656.419                               |
| 11    | 1                | 97.3                     | 13                |                               |                               | 395.246                               |
| 12    | 2                | 79.4                     | 13                | 1188                          |                               | 142.734                               |
| 13    | 3                | 96.9                     | 13                | 1210                          | 1806                          | 193.202                               |
| 14    | 2                | 59.4                     | 13                | 1836                          |                               | 657.929                               |
| 15    | 1                | 86.5                     | 13                |                               |                               | 129.647                               |
| 16    | 1                | 93.2                     | 13                |                               |                               | 229.765                               |
| 17    | 2                | 78.9                     | 13                | 1269                          |                               | 696.382                               |

Type 5 Radar Waveform\_16

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 72.3                     | 17                |                               |                               | 135.576                               |
| 2     | 2                | 54.5                     | 17                | 1923                          |                               | 327.747                               |
| 3     | 3                | 65.5                     | 17                | 1553                          | 1944                          | 519.322                               |
| 4     | 3                | 51                       | 17                | 1168                          | 1465                          | 20.813                                |
| 5     | 1                | 75.1                     | 17                |                               |                               | 516.214                               |
| 6     | 1                | 60.1                     | 17                |                               |                               | 284.275                               |
| 7     | 2                | 79.7                     | 17                | 1554                          |                               | 472.756                               |
| 8     | 2                | 54.9                     | 17                | 1116                          |                               | 295.917                               |
| 9     | 2                | 61.6                     | 17                | 1042                          |                               | 395.788                               |
| 10    | 2                | 95.4                     | 17                | 1485                          |                               | 240.679                               |
| 11    | 2                | 98.4                     | 17                | 1858                          |                               | 151.291                               |
| 12    | 1                | 73.5                     | 17                |                               |                               | 566.102                               |
| 13    | 2                | 76.4                     | 17                | 1735                          |                               | 509.153                               |
| 14    | 2                | 64.3                     | 17                | 1344                          |                               | 551.344                               |
| 15    | 2                | 91                       | 17                | 1357                          |                               | 162.485                               |
| 16    | 1                | 81.1                     | 17                |                               |                               | 587.016                               |
| 17    | 2                | 67.3                     | 17                | 1906                          |                               | 230.737                               |
| 18    | 2                | 82.9                     | 17                | 1769                          |                               | 31.458                                |
| 19    | 2                | 94.1                     | 17                | 1916                          |                               | 173.679                               |

## Type 5 Radar Waveform\_17

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 83.5                     | 13                | 1633                          |                               | 313.805                               |
| 2     | 2                | 72.8                     | 13                | 1853                          |                               | 220.656                               |
| 3     | 2                | 77.7                     | 13                | 1040                          |                               | 490.767                               |
| 4     | 1                | 58                       | 13                |                               |                               | 433.5                                 |
| 5     | 3                | 60.3                     | 13                | 1150                          | 1356                          | 168.293                               |
| 6     | 2                | 86                       | 13                | 1702                          |                               | 553.357                               |
| 7     | 1                | 91.5                     | 13                |                               |                               | 512.62                                |
| 8     | 3                | 88.1                     | 13                | 1304                          | 1720                          | 225.173                               |
| 9     | 2                | 84.6                     | 13                | 1060                          |                               | 4.237                                 |
| 10    | 3                | 53                       | 13                | 1788                          | 1477                          | 562.93                                |
| 11    | 1                | 55.5                     | 13                |                               |                               | 16.963                                |
| 12    | 3                | 65.4                     | 13                | 1911                          | 1129                          | 299.377                               |
| 13    | 1                | 51.2                     | 13                |                               |                               | 232.86                                |
| 14    | 1                | 97.3                     | 13                |                               |                               | 572.693                               |
| 15    | 2                | 65.2                     | 13                | 1874                          |                               | 248.777                               |
| 16    | 2                | 88.8                     | 13                | 1440                          |                               | 60.2                                  |
| 17    | 2                | 70.5                     | 13                | 1988                          |                               | 624.733                               |
| 18    | 3                | 95.7                     | 13                | 1185                          | 1609                          | 142.967                               |

## Type 5 Radar Waveform\_18

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 1                | 83.9                     | 20                |                               |                               | 474.7                                 |
| 2     | 2                | 73.9                     | 20                | 1543                          |                               | 691.621                               |
| 3     | 3                | 50.4                     | 20                | 1132                          | 1770                          | 536.552                               |
| 4     | 2                | 60.7                     | 20                | 1476                          |                               | 512.663                               |
| 5     | 3                | 75.1                     | 20                | 1511                          | 1930                          | 753.934                               |
| 6     | 2                | 55.4                     | 20                | 1515                          |                               | 957.075                               |
| 7     | 3                | 80                       | 20                | 1905                          | 1826                          | 579.475                               |
| 8     | 3                | 71.5                     | 20                | 1258                          | 1372                          | 572.436                               |
| 9     | 2                | 73.5                     | 20                | 1853                          |                               | 372.767                               |
| 10    | 3                | 74.4                     | 20                | 1972                          | 1960                          | 981.218                               |
| 11    | 3                | 86.5                     | 20                | 1802                          | 1733                          | 29.109                                |

## Type 5 Radar Waveform\_19

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 65.2                     | 7                 | 1206                          |                               | 88.661                                |
| 2     | 1                | 69.6                     | 7                 |                               |                               | 195.153                               |
| 3     | 2                | 55.3                     | 7                 | 1390                          |                               | 263.98                                |
| 4     | 2                | 76.3                     | 7                 | 1766                          |                               | 365.37                                |
| 5     | 3                | 55.6                     | 7                 | 1154                          | 1526                          | 319.43                                |
| 6     | 3                | 60.9                     | 7                 | 1932                          | 1941                          | 5.64                                  |
| 7     | 2                | 59.6                     | 7                 | 1288                          |                               | 226.44                                |
| 8     | 2                | 63.7                     | 7                 | 1632                          |                               | 581.58                                |
| 9     | 2                | 93.6                     | 7                 | 1223                          |                               | 132.69                                |
| 10    | 3                | 96                       | 7                 | 1291                          | 1146                          | 315.82                                |
| 11    | 3                | 79.9                     | 7                 | 1559                          | 1752                          | 512.35                                |
| 12    | 1                | 92.3                     | 7                 |                               |                               | 172.14                                |
| 13    | 2                | 75.6                     | 7                 | 1802                          |                               | 399.9                                 |
| 14    | 1                | 64.3                     | 7                 |                               |                               | 53.83                                 |
| 15    | 2                | 66.6                     | 7                 | 1930                          |                               | 544.81                                |
| 16    | 2                | 54.3                     | 7                 | 1137                          |                               | 397.16                                |
| 17    | 1                | 100                      | 7                 |                               |                               | 204.18                                |
| 18    | 1                | 70.9                     | 7                 |                               |                               | 144.8                                 |
| 19    | 2                | 83.6                     | 7                 | 1685                          |                               | 53                                    |
| 20    | 2                | 94.6                     | 7                 | 1044                          |                               | 470.6                                 |

## Type 5 Radar Waveform\_20

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 67.4                     | 18                | 1672                          |                               | 135.462                               |
| 2     | 2                | 93.5                     | 18                | 1401                          |                               | 387.413                               |
| 3     | 3                | 58.3                     | 18                | 1338                          | 1576                          | 328.217                               |
| 4     | 3                | 56.4                     | 18                | 1519                          | 1359                          | 0.44                                  |
| 5     | 3                | 80.9                     | 18                | 1783                          | 1223                          | 396.673                               |
| 6     | 3                | 72.6                     | 18                | 1130                          | 1808                          | 523.947                               |
| 7     | 3                | 98.4                     | 18                | 1632                          | 1543                          | 25.38                                 |
| 8     | 3                | 87.9                     | 18                | 1928                          | 1569                          | 510.493                               |
| 9     | 2                | 72.6                     | 18                | 1963                          |                               | 571.077                               |
| 10    | 2                | 98.3                     | 18                | 1403                          |                               | 24.33                                 |
| 11    | 1                | 63.5                     | 18                |                               |                               | 453.323                               |
| 12    | 2                | 55.6                     | 18                | 1644                          |                               | 571.457                               |
| 13    | 3                | 98.7                     | 18                | 1293                          | 1448                          | 181.38                                |
| 14    | 1                | 86.8                     | 18                |                               |                               | 604.703                               |
| 15    | 1                | 59.7                     | 18                |                               |                               | 303.497                               |
| 16    | 2                | 78.7                     | 18                | 1294                          |                               | 133.3                                 |
| 17    | 2                | 57.1                     | 18                | 1743                          |                               | 438.733                               |
| 18    | 3                | 63.5                     | 18                | 1543                          | 1840                          | 469.467                               |

## Type 5 Radar Waveform\_21

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 69.4                     | 14                | 1002                          |                               | 719.39                                |
| 2     | 2                | 60.3                     | 14                | 1814                          |                               | 718.9                                 |
| 3     | 1                | 93.2                     | 14                |                               |                               | 184.82                                |
| 4     | 1                | 97                       | 14                |                               |                               | 267.75                                |
| 5     | 2                | 95.6                     | 14                | 1354                          |                               | 697.91                                |
| 6     | 3                | 66.8                     | 14                | 1337                          | 1176                          | 178.81                                |
| 7     | 3                | 84.2                     | 14                | 1278                          | 1323                          | 341.78                                |
| 8     | 3                | 82.5                     | 14                | 1567                          | 1974                          | 725.71                                |
| 9     | 2                | 59.6                     | 14                | 1212                          |                               | 439.75                                |
| 10    | 3                | 97.4                     | 14                | 1960                          | 1414                          | 307.76                                |
| 11    | 2                | 54.8                     | 14                | 1890                          |                               | 522.68                                |
| 12    | 3                | 61.4                     | 14                | 1600                          | 1119                          | 10.05                                 |
| 13    | 2                | 81.7                     | 14                | 1483                          |                               | 585.45                                |
| 14    | 2                | 60.1                     | 14                | 1176                          |                               | 239.5                                 |
| 15    | 1                | 84.3                     | 14                |                               |                               | 164.3                                 |
| 16    | 2                | 93                       | 14                | 1512                          |                               | 137.9                                 |

## Type 5 Radar Waveform\_22

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 60.2                     | 6                 | 1288                          |                               | 525.498                               |
| 2     | 3                | 55.5                     | 6                 | 1124                          | 1923                          | 245.037                               |
| 3     | 2                | 70.8                     | 6                 | 1419                          |                               | 32.844                                |
| 4     | 1                | 67.5                     | 6                 |                               |                               | 53.841                                |
| 5     | 1                | 59.6                     | 6                 |                               |                               | 124.989                               |
| 6     | 2                | 72.7                     | 6                 | 1956                          |                               | 361.296                               |
| 7     | 3                | 84.6                     | 6                 | 1381                          | 1893                          | 309.843                               |
| 8     | 1                | 97.3                     | 6                 |                               |                               | 128.97                                |
| 9     | 3                | 66.4                     | 6                 | 1465                          | 1288                          | 469.577                               |
| 10    | 3                | 73.1                     | 6                 | 1769                          | 1767                          | 614.754                               |
| 11    | 3                | 96.2                     | 6                 | 1394                          | 1858                          | 511.931                               |
| 12    | 2                | 83.4                     | 6                 | 1738                          |                               | 316.149                               |
| 13    | 2                | 66.3                     | 6                 | 1762                          |                               | 656.886                               |
| 14    | 2                | 68.1                     | 6                 | 1682                          |                               | 680.643                               |

Type 5 Radar Waveform\_23

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 96.3                     | 12                | 1320                          |                               | 714.934                               |
| 2     | 2                | 86.7                     | 12                | 1107                          |                               | 422.657                               |
| 3     | 2                | 76.6                     | 12                | 1563                          |                               | 848.444                               |
| 4     | 2                | 88.1                     | 12                | 1419                          |                               | 449.421                               |
| 5     | 1                | 59.4                     | 12                |                               |                               | 369.999                               |
| 6     | 2                | 62.2                     | 12                | 1500                          |                               | 610.776                               |
| 7     | 1                | 76.3                     | 12                |                               |                               | 93.283                                |
| 8     | 3                | 62.7                     | 12                | 1538                          | 1438                          | 101.89                                |
| 9     | 2                | 52.2                     | 12                | 1885                          |                               | 353.657                               |
| 10    | 2                | 60.5                     | 12                | 1654                          |                               | 764.924                               |
| 11    | 1                | 88.9                     | 12                |                               |                               | 477.851                               |
| 12    | 1                | 92                       | 12                |                               |                               | 589.129                               |
| 13    | 1                | 98.9                     | 12                |                               |                               | 139.986                               |
| 14    | 2                | 90.7                     | 12                | 1234                          |                               | 578.043                               |

Type 5 Radar Waveform\_24

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 90.6                     | 19                | 1744                          | 1303                          | 597.268                               |
| 2     | 2                | 71                       | 19                | 1371                          |                               | 183.3                                 |
| 3     | 3                | 85.4                     | 19                | 1920                          | 1562                          | 617.035                               |
| 4     | 3                | 87.3                     | 19                | 1005                          | 1595                          | 128.063                               |
| 5     | 3                | 55.9                     | 19                | 1698                          | 1415                          | 283.001                               |
| 6     | 2                | 87.3                     | 19                | 1638                          |                               | 402.778                               |
| 7     | 2                | 62.4                     | 19                | 1781                          |                               | 544.326                               |
| 8     | 1                | 92.1                     | 19                |                               |                               | 608.614                               |
| 9     | 3                | 59                       | 19                | 1708                          | 1049                          | 98.941                                |
| 10    | 1                | 60.3                     | 19                |                               |                               | 550.739                               |
| 11    | 2                | 94.9                     | 19                | 1041                          |                               | 620.516                               |
| 12    | 2                | 68.8                     | 19                | 1783                          |                               | 245.214                               |
| 13    | 2                | 63.3                     | 19                | 1775                          |                               | 254.672                               |
| 14    | 1                | 81                       | 19                |                               |                               | 559.959                               |
| 15    | 2                | 84.2                     | 19                | 1839                          |                               | 680.647                               |
| 16    | 3                | 78.7                     | 19                | 1405                          | 1705                          | 586.565                               |
| 17    | 2                | 65.9                     | 19                | 1656                          |                               | 174.882                               |

Type 5 Radar Waveform\_25

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 56.4                     | 5                 | 1548                          |                               | 8.82                                  |
| 2     | 1                | 85.4                     | 5                 |                               |                               | 359.72                                |
| 3     | 2                | 97.3                     | 5                 | 1798                          |                               | 598.07                                |
| 4     | 1                | 81.5                     | 5                 |                               |                               | 74.11                                 |
| 5     | 3                | 93                       | 5                 | 1494                          | 1702                          | 468.43                                |
| 6     | 1                | 97.6                     | 5                 |                               |                               | 40.68                                 |
| 7     | 3                | 86.6                     | 5                 | 1074                          | 1741                          | 271.26                                |
| 8     | 1                | 56.4                     | 5                 |                               |                               | 457.64                                |
| 9     | 3                | 82.1                     | 5                 | 1648                          | 1627                          | 314.31                                |
| 10    | 3                | 59.5                     | 5                 | 1379                          | 1622                          | 60.03                                 |
| 11    | 2                | 66.4                     | 5                 | 1938                          |                               | 617.39                                |
| 12    | 2                | 94.3                     | 5                 | 1563                          |                               | 19.5                                  |
| 13    | 2                | 81.3                     | 5                 | 1440                          |                               | 90.38                                 |
| 14    | 2                | 78.6                     | 5                 | 1779                          |                               | 133.12                                |
| 15    | 3                | 60.5                     | 5                 | 1517                          | 1518                          | 183.9                                 |
| 16    | 2                | 67.5                     | 5                 | 1432                          |                               | 113.8                                 |

Type 5 Radar Waveform\_26

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 73.3                     | 13                | 1495                          | 1607                          | 542.927                               |
| 2     | 1                | 53.7                     | 13                |                               |                               | 555.107                               |
| 3     | 1                | 87                       | 13                |                               |                               | 811.203                               |
| 4     | 2                | 61.4                     | 13                | 1456                          |                               | 653.74                                |
| 5     | 1                | 83.2                     | 13                |                               |                               | 462.827                               |
| 6     | 3                | 79.6                     | 13                | 1249                          | 1533                          | 864.883                               |
| 7     | 2                | 86.6                     | 13                | 1693                          |                               | 487.89                                |
| 8     | 2                | 81                       | 13                | 1331                          |                               | 1017.267                              |
| 9     | 1                | 87.3                     | 13                |                               |                               | 668.233                               |

Type 5 Radar Waveform\_27

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 64.2                     | 14                | 1782                          |                               | 370.976                               |
| 2     | 2                | 92                       | 14                | 1810                          |                               | 201.714                               |
| 3     | 3                | 53.4                     | 14                | 1060                          | 1885                          | 666.895                               |
| 4     | 2                | 99                       | 14                | 1574                          |                               | 141.203                               |
| 5     | 2                | 64.2                     | 14                | 1522                          |                               | 80.281                                |
| 6     | 2                | 96.4                     | 14                | 1562                          |                               | 302.978                               |
| 7     | 3                | 78.2                     | 14                | 1214                          | 1562                          | 513.466                               |
| 8     | 2                | 59.3                     | 14                | 1209                          |                               | 661.024                               |
| 9     | 3                | 78                       | 14                | 1129                          | 1788                          | 81.091                                |
| 10    | 2                | 68.7                     | 14                | 1536                          |                               | 473.349                               |
| 11    | 1                | 78.3                     | 14                |                               |                               | 477.816                               |
| 12    | 1                | 96.5                     | 14                |                               |                               | 54.564                                |
| 13    | 2                | 93.5                     | 14                | 1148                          |                               | 355.272                               |
| 14    | 2                | 83.4                     | 14                | 1468                          |                               | 5.209                                 |
| 15    | 1                | 55.5                     | 14                |                               |                               | 84.937                                |
| 16    | 2                | 74.9                     | 14                | 1331                          |                               | 208.765                               |
| 17    | 1                | 73.5                     | 14                |                               |                               | 126.482                               |

Type 5 Radar Waveform\_28

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 99.3                     | 20                | 1623                          |                               | 345.237                               |
| 2     | 2                | 53.2                     | 20                | 1333                          |                               | 470.26                                |
| 3     | 3                | 74.7                     | 20                | 1771                          | 1736                          | 424.4                                 |
| 4     | 2                | 73.9                     | 20                | 1861                          |                               | 376.65                                |
| 5     | 2                | 89.2                     | 20                | 1361                          |                               | 606.61                                |
| 6     | 2                | 84.2                     | 20                | 1958                          |                               | 668.89                                |
| 7     | 1                | 68                       | 20                |                               |                               | 283.96                                |
| 8     | 1                | 88                       | 20                |                               |                               | 92.84                                 |
| 9     | 2                | 68.5                     | 20                | 1911                          |                               | 256.29                                |
| 10    | 3                | 84.5                     | 20                | 1613                          | 1765                          | 139.59                                |
| 11    | 2                | 88.2                     | 20                | 1262                          |                               | 731.64                                |
| 12    | 1                | 67                       | 20                |                               |                               | 31.32                                 |
| 13    | 2                | 89.7                     | 20                | 1662                          |                               | 377.86                                |
| 14    | 2                | 64.6                     | 20                | 1949                          |                               | 1.51                                  |
| 15    | 3                | 79.2                     | 20                | 1880                          | 1380                          | 502.8                                 |
| 16    | 1                | 99.2                     | 20                |                               |                               | 90.2                                  |

Type 5 Radar Waveform\_29

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 3                | 70.7                     | 15                | 1155                          | 1366                          | 589.257                               |
| 2     | 2                | 68.7                     | 15                | 1148                          |                               | 85.24                                 |
| 3     | 2                | 52                       | 15                | 1581                          |                               | 1014.33                               |
| 4     | 1                | 53.6                     | 15                |                               |                               | 1085.09                               |
| 5     | 1                | 95                       | 15                |                               |                               | 1095.39                               |
| 6     | 2                | 89.4                     | 15                | 1735                          |                               | 1131.28                               |
| 7     | 2                | 64.9                     | 15                | 1067                          |                               | 481.18                                |
| 8     | 2                | 87.1                     | 15                | 1078                          |                               | 950.26                                |
| 9     | 1                | 57.1                     | 15                |                               |                               | 7.73                                  |
| 10    | 2                | 93.4                     | 15                | 1463                          |                               | 712                                   |

Type 5 Radar Waveform\_30

| Burst | Number of Pulses | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | Pulse 1-to-2 PRI ( $\mu$ sec) | Pulse 2-to-3 PRI ( $\mu$ sec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------------|-------------------|-------------------------------|-------------------------------|---------------------------------------|
| 1     | 2                | 60                       | 6                 | 1523                          |                               | 477.12                                |
| 2     | 2                | 89.2                     | 6                 | 1726                          |                               | 530.36                                |
| 3     | 2                | 90.8                     | 6                 | 1412                          |                               | 476.77                                |
| 4     | 1                | 80.9                     | 6                 |                               |                               | 178.77                                |
| 5     | 2                | 59.4                     | 6                 | 1136                          |                               | 558.68                                |
| 6     | 3                | 81.1                     | 6                 | 1819                          | 1892                          | 153.29                                |
| 7     | 3                | 91.3                     | 6                 | 1111                          | 1820                          | 273.59                                |
| 8     | 2                | 70.1                     | 6                 | 1277                          |                               | 261.26                                |
| 9     | 2                | 80.8                     | 6                 | 1625                          |                               | 157.85                                |
| 10    | 1                | 62.7                     | 6                 |                               |                               | 422.56                                |
| 11    | 1                | 67.1                     | 6                 |                               |                               | 137.31                                |
| 12    | 2                | 50.7                     | 6                 | 1214                          |                               | 731.96                                |
| 13    | 1                | 62.6                     | 6                 |                               |                               | 364.41                                |
| 14    | 2                | 51.6                     | 6                 | 1083                          |                               | 350                                   |
| 15    | 2                | 89                       | 6                 | 1915                          |                               | 62.4                                  |
| 16    | 2                | 85.8                     | 6                 | 1980                          |                               | 125.9                                 |

## 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                        | 5570.4              | 1                             | 16      | 5580.0              | 1                             |
| 2                        | 5570.4              | 1                             | 17      | 5580.0              | 1                             |
| 3                        | 5570.4              | 1                             | 18      | 5580.0              | 1                             |
| 4                        | 5570.4              | 1                             | 19      | 5580.0              | 1                             |
| 5                        | 5570.4              | 1                             | 20      | 5580.0              | 1                             |
| 6                        | 5570.4              | 1                             | 21      | 5589.6              | 1                             |
| 7                        | 5570.4              | 1                             | 22      | 5589.6              | 1                             |
| 8                        | 5570.4              | 1                             | 23      | 5589.6              | 1                             |
| 9                        | 5570.4              | 1                             | 24      | 5589.6              | 1                             |
| 10                       | 5570.4              | 1                             | 25      | 5589.6              | 1                             |
| 11                       | 5580.0              | 1                             | 26      | 5589.6              | 1                             |
| 12                       | 5580.0              | 1                             | 27      | 5589.6              | 1                             |
| 13                       | 5580.0              | 1                             | 28      | 5589.6              | 1                             |
| 14                       | 5580.0              | 1                             | 29      | 5589.6              | 1                             |
| 15                       | 5580.0              | 1                             | 30      | 5589.6              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 100%                          |