

## Type 5 Radar Waveform\_29

| Burst | Number of Pulses | Pulse Width (μsec) | Chirp Width (MHz) | Pulse 1-to-2 PRI (μsec) | Pulse 2-to-3 PRI (μsec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------|-------------------|-------------------------|-------------------------|---------------------------------------|
| 1     | 2                | 67.6               | 7                 | 1782                    |                         | 583.062                               |
| 2     | 3                | 63.7               | 7                 | 1000                    | 1683                    | 487.16                                |
| 3     | 2                | 84.9               | 7                 | 1071                    |                         | 678.07                                |
| 4     | 2                | 98.3               | 7                 | 1431                    |                         | 268.03                                |
| 5     | 1                | 90.9               | 7                 |                         |                         | 461.44                                |
| 6     | 3                | 81.6               | 7                 | 1925                    | 1186                    | 325.58                                |
| 7     | 2                | 82.1               | 7                 | 1638                    |                         | 358.9                                 |
| 8     | 2                | 98.8               | 7                 | 1470                    |                         | 452.2                                 |
| 9     | 2                | 75.9               | 7                 | 1423                    |                         | 118.7                                 |
| 10    | 1                | 93.1               | 7                 |                         |                         | 5.44                                  |
| 11    | 3                | 91.4               | 7                 | 1406                    | 1518                    | 465.7                                 |
| 12    | 2                | 95.6               | 7                 | 1481                    |                         | 226.92                                |
| 13    | 1                | 80.5               | 7                 |                         |                         | 30.92                                 |
| 14    | 3                | 63.4               | 7                 | 1220                    | 1142                    | 471.2                                 |
| 15    | 2                | 62.6               | 7                 | 1476                    |                         | 196.1                                 |
| 16    | 2                | 55.3               | 7                 | 1734                    |                         | 683.9                                 |

## Type 5 Radar Waveform\_30

| Burst | Number of Pulses | Pulse Width (μsec) | Chirp Width (MHz) | Pulse 1-to-2 PRI (μsec) | Pulse 2-to-3 PRI (μsec) | Start Location Within Interval (msec) |
|-------|------------------|--------------------|-------------------|-------------------------|-------------------------|---------------------------------------|
| 1     | 3                | 88.8               | 8                 | 1650                    | 1618                    | 252.454                               |
| 2     | 2                | 54.3               | 8                 | 1327                    |                         | 1148.82                               |
| 3     | 1                | 67.4               | 8                 |                         |                         | 1120.13                               |
| 4     | 1                | 67.3               | 8                 |                         |                         | 1103.17                               |
| 5     | 2                | 50.9               | 8                 | 1719                    |                         | 1102.7                                |
| 6     | 2                | 66.1               | 8                 | 1055                    |                         | 1186.25                               |
| 7     | 2                | 90.3               | 8                 | 1452                    |                         | 1132.37                               |
| 8     | 2                | 58.6               | 8                 | 1870                    |                         | 1169.62                               |
| 9     | 2                | 96.5               | 8                 | 1886                    |                         | 1036.9                                |
| 10    | 1                | 71                 | 8                 |                         |                         | 56.8                                  |

## Radar Type 6 - Radar Statistical Performance

| Trail #                  | 1=Detection<br>0=No Detection | Trail # | 1=Detection<br>0=No Detection |
|--------------------------|-------------------------------|---------|-------------------------------|
| 1                        | 1                             | 16      | 1                             |
| 2                        | 1                             | 17      | 1                             |
| 3                        | 1                             | 18      | 1                             |
| 4                        | 1                             | 19      | 1                             |
| 5                        | 1                             | 20      | 1                             |
| 6                        | 1                             | 21      | 1                             |
| 7                        | 1                             | 22      | 1                             |
| 8                        | 1                             | 23      | 1                             |
| 9                        | 1                             | 24      | 1                             |
| 10                       | 1                             | 25      | 1                             |
| 11                       | 1                             | 26      | 1                             |
| 12                       | 1                             | 27      | 1                             |
| 13                       | 1                             | 28      | 1                             |
| 14                       | 1                             | 29      | 1                             |
| 15                       | 1                             | 30      | 1                             |
| Detection Percentage (%) |                               |         | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 53                | 5501            | 159              | 5                 | 5507            | 15               |
| 54                | 5509            | 162              | 22                | 5511            | 66               |
| 67                | 5516            | 201              | 24                | 5528            | 72               |
| 68                | 5508            | 204              | 30                | 5493            | 90               |
| 70                | 5494            | 210              | 31                | 5515            | 93               |
| 100               | 5493            | 300              | 35                | 5530            | 105              |
| --                | --              | --               | 39                | 5505            | 117              |
| --                | --              | --               | 67                | 5527            | 201              |
| --                | --              | --               | 70                | 5512            | 210              |
| --                | --              | --               | 85                | 5517            | 255              |
| --                | --              | --               | 93                | 5498            | 279              |
| --                | --              | --               | 95                | 5525            | 285              |

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 4                 | 5497            | 12               | 18                | 5526            | 54               |
| 25                | 5499            | 75               | 22                | 5492            | 66               |
| 45                | 5528            | 135              | 23                | 5499            | 69               |
| 47                | 5513            | 141              | 34                | 5530            | 102              |
| 53                | 5517            | 159              | 43                | 5517            | 129              |
| 63                | 5512            | 189              | 47                | 5528            | 141              |
| 74                | 5506            | 222              | 54                | 5493            | 162              |
| 85                | 5493            | 255              | 75                | 5508            | 225              |
| 96                | 5490            | 288              | 92                | 5519            | 276              |
| --                | --              | --               | 96                | 5500            | 288              |

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 12                | 5508            | 36               | 22                | 5500            | 66               |
| 21                | 5522            | 63               | 27                | 5497            | 81               |
| 24                | 5512            | 72               | 35                | 5514            | 105              |
| 28                | 5506            | 84               | 62                | 5496            | 186              |
| 44                | 5495            | 132              | 71                | 5527            | 213              |
| 52                | 5505            | 156              | 78                | 5491            | 234              |
| 67                | 5510            | 201              | 80                | 5529            | 240              |
| 89                | 5501            | 267              | 81                | 5528            | 243              |
| --                | --              | --               | 95                | 5510            | 285              |

| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 19                | 5529            | 57               | 23                | 5495            | 69               |
| 60                | 5510            | 180              | 34                | 5513            | 102              |
| 62                | 5497            | 186              | 42                | 5494            | 126              |
| 72                | 5511            | 216              | 74                | 5507            | 222              |
| 79                | 5492            | 237              | 77                | 5521            | 231              |
| 87                | 5509            | 261              | 91                | 5515            | 273              |
| 97                | 5528            | 291              | 99                | 5528            | 297              |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 12                | 5522            | 36               | 36                 | 5501            | 108              |
| 13                | 5524            | 39               | 39                 | 5520            | 117              |
| 19                | 5493            | 57               | 71                 | 5526            | 213              |
| 36                | 5492            | 108              | 78                 | 5524            | 234              |
| 53                | 5495            | 159              | 89                 | 5516            | 267              |
| 56                | 5498            | 168              | --                 | --              | --               |
| 98                | 5528            | 294              | --                 | --              | --               |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 9                  | 5523            | 27               | 2                  | 5508            | 6                |
| 10                 | 5495            | 30               | 17                 | 5504            | 51               |
| 13                 | 5530            | 39               | 23                 | 5520            | 69               |
| 15                 | 5494            | 45               | 28                 | 5513            | 84               |
| 17                 | 5508            | 51               | 31                 | 5500            | 93               |
| 20                 | 5522            | 60               | 33                 | 5530            | 99               |
| 34                 | 5516            | 102              | 40                 | 5517            | 120              |
| 49                 | 5498            | 147              | 42                 | 5498            | 126              |
| 70                 | 5525            | 210              | 47                 | 5525            | 141              |
| 73                 | 5503            | 219              | 77                 | 5510            | 231              |
| 74                 | 5529            | 222              | --                 | --              | --               |
| 85                 | 5517            | 255              | --                 | --              | --               |
| 88                 | 5527            | 264              | --                 | --              | --               |
| 97                 | 5521            | 291              | --                 | --              | --               |
| 100                | 5511            | 300              | --                 | --              | --               |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 19                 | 5502            | 57               | 26                 | 5501            | 78               |
| 22                 | 5522            | 66               | 27                 | 5527            | 81               |
| 30                 | 5513            | 90               | 40                 | 5498            | 120              |
| 34                 | 5499            | 102              | 44                 | 5502            | 132              |
| 77                 | 5523            | 231              | 50                 | 5519            | 150              |
| 78                 | 5493            | 234              | 53                 | 5511            | 159              |
| 80                 | 5527            | 240              | 68                 | 5514            | 204              |
| 19                 | 5502            | 57               | 91                 | 5528            | 273              |
| --                 | --              | --               | 95                 | 5520            | 285              |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 34                 | 5506            | 102              | 9                  | 5496            | 27               |
| 48                 | 5500            | 144              | 15                 | 5515            | 45               |
| 50                 | 5503            | 150              | 19                 | 5516            | 57               |
| 54                 | 5526            | 162              | 66                 | 5509            | 198              |
| 57                 | 5497            | 171              | 85                 | 5521            | 255              |
| 70                 | 5527            | 210              | 88                 | 5492            | 264              |
| 73                 | 5520            | 219              | 92                 | 5499            | 276              |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 14                 | 5495            | 42               | 5                  | 5523            | 15               |
| 16                 | 5516            | 48               | 7                  | 5504            | 21               |
| 23                 | 5507            | 69               | 17                 | 5529            | 51               |
| 39                 | 5524            | 117              | 22                 | 5493            | 66               |
| 65                 | 5500            | 195              | 25                 | 5525            | 75               |
| 86                 | 5513            | 258              | 41                 | 5497            | 123              |
| 14                 | 5495            | 42               | 63                 | 5506            | 189              |
| 16                 | 5516            | 48               | 76                 | 5519            | 228              |
| 23                 | 5507            | 69               | 78                 | 5491            | 234              |
| --                 | --              | --               | 95                 | 5500            | 285              |
| --                 | --              | --               | 97                 | 5496            | 291              |
| --                 | --              | --               | 100                | 5517            | 300              |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 68                 | 5495            | 204              | 3                  | 5499            | 9                |
| 71                 | 5523            | 213              | 24                 | 5518            | 72               |
| 79                 | 5516            | 237              | 38                 | 5505            | 114              |
| 85                 | 5509            | 255              | 41                 | 5524            | 123              |
| 99                 | 5519            | 297              | 68                 | 5520            | 204              |
| --                 | --              | --               | 80                 | 5494            | 240              |
| --                 | --              | --               | 91                 | 5513            | 273              |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5494            | 9                | 5                  | 5505            | 15               |
| 12                 | 5501            | 36               | 23                 | 5494            | 69               |
| 24                 | 5525            | 72               | 26                 | 5525            | 78               |
| 30                 | 5507            | 90               | 33                 | 5521            | 99               |
| 36                 | 5502            | 108              | 46                 | 5522            | 138              |
| 37                 | 5490            | 111              | 62                 | 5517            | 186              |
| 47                 | 5504            | 141              | 63                 | 5492            | 189              |
| 51                 | 5526            | 153              | 66                 | 5512            | 198              |
| 88                 | 5497            | 264              | 70                 | 5496            | 210              |
| 97                 | 5499            | 291              | 71                 | 5513            | 213              |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5523            | 6                | 8                  | 5501            | 24               |
| 6                  | 5507            | 18               | 13                 | 5514            | 39               |
| 15                 | 5512            | 45               | 22                 | 5510            | 66               |
| 17                 | 5495            | 51               | 32                 | 5515            | 96               |
| 20                 | 5526            | 60               | 41                 | 5491            | 123              |
| 22                 | 5529            | 66               | 47                 | 5528            | 141              |
| 41                 | 5519            | 123              | 83                 | 5526            | 249              |
| 63                 | 5497            | 189              | 93                 | 5520            | 279              |
| 72                 | 5493            | 216              | 98                 | 5500            | 294              |
| 76                 | 5503            | 228              | --                 | --              | --               |
| 78                 | 5509            | 234              | --                 | --              | --               |
| 84                 | 5513            | 252              | --                 | --              | --               |
| 96                 | 5502            | 288              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                  | 5525            | 24               | 7                  | 5514            | 21               |
| 25                 | 5500            | 75               | 33                 | 5527            | 99               |
| 27                 | 5514            | 81               | 37                 | 5492            | 111              |
| 38                 | 5510            | 114              | 39                 | 5497            | 117              |
| 45                 | 5490            | 135              | 56                 | 5512            | 168              |
| 51                 | 5496            | 153              | 57                 | 5528            | 171              |
| 88                 | 5524            | 264              | 63                 | 5498            | 189              |
| 89                 | 5494            | 267              | --                 | --              | --               |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 22                 | 5497            | 66               | 6                  | 5519            | 18               |
| 45                 | 5494            | 135              | 9                  | 5491            | 27               |
| 58                 | 5502            | 174              | 21                 | 5516            | 63               |
| 99                 | 5527            | 297              | 35                 | 5490            | 105              |
| --                 | --              | --               | 38                 | 5501            | 114              |
| --                 | --              | --               | 40                 | 5514            | 120              |
| --                 | --              | --               | 43                 | 5517            | 129              |
| --                 | --              | --               | 81                 | 5512            | 243              |
| --                 | --              | --               | 84                 | 5530            | 252              |
| --                 | --              | --               | 99                 | 5523            | 297              |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 1                  | 5512            | 3                | 4                  | 5523            | 12               |
| 27                 | 5528            | 81               | 18                 | 5521            | 54               |
| 28                 | 5494            | 84               | 23                 | 5517            | 69               |
| 37                 | 5496            | 111              | 27                 | 5494            | 81               |
| 49                 | 5513            | 147              | 36                 | 5493            | 108              |
| 51                 | 5497            | 153              | 41                 | 5508            | 123              |
| 52                 | 5507            | 156              | 42                 | 5522            | 126              |
| 61                 | 5490            | 183              | 48                 | 5506            | 144              |
| 67                 | 5530            | 201              | 54                 | 5505            | 162              |
| 78                 | 5520            | 234              | 60                 | 5515            | 180              |
| 79                 | 5491            | 237              | 73                 | 5530            | 219              |
| 97                 | 5501            | 291              | --                 | --              | --               |

|       |                                                                              |      |            |
|-------|------------------------------------------------------------------------------|------|------------|
| 待測物名稱 | AC1200 Wi-Fi 訊號延伸器                                                           | 溫度   | 27°C       |
| 測試工程師 | Kevin Ker                                                                    | 濕度   | 65%        |
| 測試場地  | SR2                                                                          | 測試日期 | 2021/04/08 |
| 測試項目  | Radar Statistical Performance Check (802.11ac-VHT80 mode – 5530MHz) – Mode 2 |      |            |

#### 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                   | 838      | 63             | 1                             |
| 2       | 5494                | 1                   | 698      | 76             | 1                             |
| 3       | 5496                | 1                   | 3066     | 18             | 1                             |
| 4       | 5499                | 1                   | 858      | 62             | 1                             |
| 5       | 5502                | 1                   | 558      | 95             | 1                             |
| 6       | 5504                | 1                   | 658      | 81             | 1                             |
| 7       | 5507                | 1                   | 718      | 74             | 1                             |
| 8       | 5510                | 1                   | 878      | 61             | 1                             |
| 9       | 5513                | 1                   | 638      | 83             | 1                             |
| 10      | 5515                | 1                   | 618      | 86             | 1                             |
| 11      | 5518                | 1                   | 758      | 70             | 0                             |
| 12      | 5521                | 1                   | 518      | 102            | 0                             |
| 13      | 5523                | 1                   | 778      | 68             | 0                             |
| 14      | 5526                | 1                   | 538      | 98             | 1                             |
| 15      | 5529                | 1                   | 798      | 67             | 1                             |
| 16      | 5530                | 1                   | 2416     | 22             | 1                             |
| 17      | 5533                | 1                   | 999      | 53             | 1                             |
| 18      | 5535                | 1                   | 1856     | 29             | 1                             |
| 19      | 5538                | 1                   | 2148     | 25             | 1                             |
| 20      | 5541                | 1                   | 2899     | 19             | 1                             |
| 21      | 5543                | 1                   | 2830     | 19             | 1                             |
| 22      | 5546                | 1                   | 2041     | 26             | 1                             |
| 23      | 5549                | 1                   | 2930     | 18             | 1                             |
| 24      | 5552                | 1                   | 1162     | 46             | 1                             |
| 25      | 5554                | 1                   | 1540     | 35             | 1                             |
| 26      | 5557                | 1                   | 1849     | 29             | 1                             |

| Trail #                  | Test Freq.<br>(MHz) | Pulse Width<br>(us) | PRI (us) | Pulses / Burst | 1=Detection<br>0=No Detection |
|--------------------------|---------------------|---------------------|----------|----------------|-------------------------------|
| 27                       | 5560                | 1                   | 1849     | 29             | 1                             |
| 28                       | 5562                | 1                   | 765      | 69             | 1                             |
| 29                       | 5565                | 1                   | 810      | 66             | 1                             |
| 30                       | 5569                | 1                   | 2708     | 20             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 90%                           |

## 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                | 8.8                 | 444      | 17             | 1                             |
| 2                        | 5494                | 10                  | 212      | 17             | 1                             |
| 3                        | 5496                | 8.4                 | 410      | 17             | 1                             |
| 4                        | 5499                | 9                   | 366      | 17             | 1                             |
| 5                        | 5502                | 6                   | 231      | 18             | 0                             |
| 6                        | 5504                | 6                   | 277      | 17             | 1                             |
| 7                        | 5507                | 8.3                 | 237      | 16             | 1                             |
| 8                        | 5510                | 7.5                 | 412      | 16             | 1                             |
| 9                        | 5513                | 9                   | 395      | 17             | 0                             |
| 10                       | 5515                | 9.5                 | 252      | 17             | 1                             |
| 11                       | 5518                | 8.7                 | 216      | 16             | 1                             |
| 12                       | 5521                | 9.6                 | 271      | 17             | 1                             |
| 13                       | 5523                | 8.8                 | 429      | 17             | 0                             |
| 14                       | 5526                | 10                  | 455      | 18             | 1                             |
| 15                       | 5529                | 9.2                 | 295      | 17             | 1                             |
| 16                       | 5530                | 9.8                 | 304      | 16             | 1                             |
| 17                       | 5533                | 8.8                 | 484      | 18             | 1                             |
| 18                       | 5535                | 7.5                 | 307      | 18             | 1                             |
| 19                       | 5538                | 9.2                 | 258      | 18             | 1                             |
| 20                       | 5541                | 9.5                 | 383      | 17             | 0                             |
| 21                       | 5543                | 9.9                 | 321      | 16             | 1                             |
| 22                       | 5546                | 6.7                 | 417      | 18             | 1                             |
| 23                       | 5549                | 7.8                 | 201      | 18             | 1                             |
| 24                       | 5552                | 9.2                 | 466      | 17             | 1                             |
| 25                       | 5554                | 6                   | 315      | 17             | 1                             |
| 26                       | 5557                | 7.9                 | 279      | 17             | 1                             |
| 27                       | 5560                | 7.1                 | 318      | 16             | 1                             |
| 28                       | 5562                | 9.5                 | 384      | 17             | 1                             |
| 29                       | 5565                | 9.7                 | 397      | 18             | 1                             |
| 30                       | 5569                | 7.2                 | 336      | 17             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 86.7%                         |

## 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                        | 5491                | 7.7                 | 419      | 17             | 1                             |
| 2                        | 5494                | 9.1                 | 386      | 17             | 1                             |
| 3                        | 5496                | 8.0                 | 287      | 17             | 1                             |
| 4                        | 5499                | 7.9                 | 252      | 18             | 1                             |
| 5                        | 5502                | 9.2                 | 491      | 16             | 1                             |
| 6                        | 5504                | 6.3                 | 236      | 17             | 1                             |
| 7                        | 5507                | 8.1                 | 439      | 16             | 1                             |
| 8                        | 5510                | 9.5                 | 262      | 16             | 1                             |
| 9                        | 5513                | 7.6                 | 253      | 17             | 1                             |
| 10                       | 5515                | 8.3                 | 206      | 18             | 1                             |
| 11                       | 5518                | 8.3                 | 485      | 17             | 1                             |
| 12                       | 5521                | 6.2                 | 414      | 17             | 1                             |
| 13                       | 5523                | 8.1                 | 495      | 16             | 0                             |
| 14                       | 5526                | 7.1                 | 372      | 16             | 1                             |
| 15                       | 5529                | 8.5                 | 260      | 17             | 0                             |
| 16                       | 5530                | 6.1                 | 496      | 17             | 1                             |
| 17                       | 5533                | 8.7                 | 410      | 17             | 1                             |
| 18                       | 5535                | 8.3                 | 283      | 16             | 1                             |
| 19                       | 5538                | 6.5                 | 495      | 17             | 1                             |
| 20                       | 5541                | 6.3                 | 390      | 18             | 1                             |
| 21                       | 5543                | 10.0                | 307      | 16             | 0                             |
| 22                       | 5546                | 7.5                 | 240      | 18             | 0                             |
| 23                       | 5549                | 9.5                 | 291      | 17             | 1                             |
| 24                       | 5552                | 6.5                 | 431      | 17             | 1                             |
| 25                       | 5554                | 6.0                 | 292      | 17             | 1                             |
| 26                       | 5557                | 8.7                 | 223      | 17             | 1                             |
| 27                       | 5560                | 9.4                 | 259      | 18             | 1                             |
| 28                       | 5562                | 7.7                 | 421      | 17             | 1                             |
| 29                       | 5565                | 6.1                 | 220      | 17             | 1                             |
| 30                       | 5569                | 9.1                 | 352      | 16             | 1                             |
| Detection Percentage (%) |                     |                     |          |                | 86.7%                         |

## 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                        | 5491                | 19.2                | 477      | 15             | 1                             |
| 2                        | 5494                | 13.1                | 294      | 13             | 1                             |
| 3                        | 5496                | 17.1                | 486      | 15             | 1                             |
| 4                        | 5499                | 19.1                | 362      | 16             | 1                             |
| 5                        | 5502                | 18.9                | 329      | 15             | 1                             |
| 6                        | 5504                | 15.4                | 417      | 13             | 1                             |
| 7                        | 5507                | 19.9                | 394      | 13             | 1                             |
| 8                        | 5510                | 14.9                | 461      | 12             | 1                             |
| 9                        | 5513                | 18.5                | 364      | 14             | 0                             |
| 10                       | 5515                | 11.1                | 496      | 14             | 1                             |
| 11                       | 5518                | 11.8                | 442      | 12             | 1                             |
| 12                       | 5521                | 13.5                | 325      | 14             | 1                             |
| 13                       | 5523                | 19.9                | 288      | 15             | 1                             |
| 14                       | 5526                | 12                  | 242      | 13             | 1                             |
| 15                       | 5529                | 18.6                | 244      | 13             | 1                             |
| 16                       | 5530                | 16.2                | 472      | 13             | 1                             |
| 17                       | 5533                | 18.2                | 384      | 12             | 1                             |
| 18                       | 5535                | 15.6                | 269      | 13             | 1                             |
| 19                       | 5538                | 11.6                | 487      | 14             | 1                             |
| 20                       | 5541                | 17.8                | 219      | 14             | 0                             |
| 21                       | 5543                | 19.8                | 341      | 14             | 0                             |
| 22                       | 5546                | 19.9                | 253      | 15             | 1                             |
| 23                       | 5549                | 11.6                | 281      | 15             | 1                             |
| 24                       | 5552                | 16                  | 243      | 15             | 1                             |
| 25                       | 5554                | 13.9                | 241      | 16             | 0                             |
| 26                       | 5557                | 16.5                | 432      | 12             | 1                             |
| 27                       | 5560                | 11.7                | 432      | 12             | 1                             |
| 28                       | 5562                | 12.9                | 250      | 13             | 1                             |
| 29                       | 5565                | 19.4                | 319      | 16             | 0                             |
| 30                       | 5569                | 19.2                | 356      | 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:  $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (90\% + 86.7\% + 86.7\% + 80\%) / 4 = 85.9\% (>80\%)$

## 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      | 5494.6              | 1                             |
| 2                        | 5530.0              | 1                             | 17      | 5493.8              | 1                             |
| 3                        | 5530.0              | 1                             | 18      | 5494.6              | 1                             |
| 4                        | 5530.0              | 1                             | 19      | 5496.6              | 1                             |
| 5                        | 5530.0              | 1                             | 20      | 5494.6              | 1                             |
| 6                        | 5530.0              | 1                             | 21      | 5563.8              | 1                             |
| 7                        | 5530.0              | 1                             | 22      | 5566.6              | 1                             |
| 8                        | 5530.0              | 1                             | 23      | 5561.8              | 0                             |
| 9                        | 5530.0              | 1                             | 24      | 5562.6              | 1                             |
| 10                       | 5530.0              | 1                             | 25      | 5564.2              | 1                             |
| 11                       | 5495.0              | 1                             | 26      | 5564.2              | 1                             |
| 12                       | 5493.4              | 1                             | 27      | 5564.6              | 1                             |
| 13                       | 5494.2              | 1                             | 28      | 5566.6              | 1                             |
| 14                       | 5497.8              | 1                             | 29      | 5562.6              | 1                             |
| 15                       | 5496.6              | 1                             | 30      | 5563.8              | 1                             |
| Detection Percentage (%) |                     |                               |         |                     | 96.7%                         |

## 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                   | 76.2                      | 5                    | 1305                          |                               | 204.648                                     |
| 2     | 2                   | 66.9                      | 5                    | 1669                          |                               | 199.968                                     |
| 3     | 2                   | 53.5                      | 5                    | 1369                          |                               | 341.577                                     |
| 4     | 2                   | 74.1                      | 5                    | 1129                          |                               | 652.61                                      |
| 5     | 1                   | 88.7                      | 5                    |                               |                               | 211.593                                     |
| 6     | 3                   | 71.4                      | 5                    | 1638                          | 1984                          | 286.787                                     |
| 7     | 2                   | 74.7                      | 5                    | 1029                          |                               | 477.3                                       |
| 8     | 1                   | 75.5                      | 5                    |                               |                               | 441.063                                     |
| 9     | 3                   | 83.8                      | 5                    | 1381                          | 1345                          | 622.127                                     |
| 10    | 3                   | 94                        | 5                    | 1502                          | 1099                          | 254.37                                      |
| 11    | 1                   | 72.7                      | 5                    |                               |                               | 77.403                                      |
| 12    | 2                   | 91.5                      | 5                    | 1778                          |                               | 656.147                                     |
| 13    | 2                   | 94.9                      | 5                    | 1065                          |                               | 452.7                                       |
| 14    | 3                   | 97.3                      | 5                    | 1313                          | 1068                          | 162.163                                     |
| 15    | 2                   | 78                        | 5                    | 1842                          |                               | 356.557                                     |
| 16    | 2                   | 67.5                      | 5                    | 1386                          |                               | 387.8                                       |
| 17    | 2                   | 76.6                      | 5                    | 1089                          |                               | 438.133                                     |
| 18    | 1                   | 99.4                      | 5                    |                               |                               | 450.667                                     |

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                | 61.6                     | 16                | 1211                          | 1413                          | 576.755                               |
| 2     | 3                | 56                       | 16                | 1126                          | 1437                          | 470.691                               |
| 3     | 1                | 55.4                     | 16                |                               |                               | 239.332                               |
| 4     | 2                | 86.3                     | 16                | 1633                          |                               | 270.893                               |
| 5     | 3                | 70.4                     | 16                | 1287                          | 1965                          | 572.674                               |
| 6     | 2                | 54.2                     | 16                | 1815                          |                               | 611.735                               |
| 7     | 2                | 75.9                     | 16                | 1596                          |                               | 117.216                               |
| 8     | 1                | 66.3                     | 16                |                               |                               | 294.417                               |
| 9     | 3                | 81                       | 16                | 1095                          | 1041                          | 101.728                               |
| 10    | 2                | 97.4                     | 16                | 1668                          |                               | 109.759                               |
| 11    | 1                | 83.2                     | 16                |                               |                               | 80.171                                |
| 12    | 3                | 63.6                     | 16                | 1873                          | 1599                          | 459.462                               |
| 13    | 1                | 74.9                     | 16                |                               |                               | 565.793                               |
| 14    | 3                | 95.1                     | 16                | 1561                          | 1559                          | 274.874                               |
| 15    | 2                | 54.4                     | 16                | 1873                          |                               | 18.635                                |
| 16    | 2                | 64.5                     | 16                | 1773                          |                               | 525.176                               |
| 17    | 2                | 89.2                     | 16                | 1123                          |                               | 315.137                               |
| 18    | 2                | 92.3                     | 16                | 1218                          |                               | 427.558                               |
| 19    | 3                | 80.8                     | 16                | 1229                          | 1437                          | 114.979                               |

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                | 51.5                     | 7                 | 1580                          |                               | 466.27                                |
| 2     | 2                | 60.9                     | 7                 | 1123                          |                               | 210.579                               |
| 3     | 3                | 55.7                     | 7                 | 1079                          | 1987                          | 281.885                               |
| 4     | 3                | 63.9                     | 7                 | 1278                          | 1757                          | 334.603                               |
| 5     | 2                | 86.8                     | 7                 | 1463                          |                               | 456.901                               |
| 6     | 2                | 60.9                     | 7                 | 1505                          |                               | 528.738                               |
| 7     | 2                | 95.3                     | 7                 | 1191                          |                               | 154.636                               |
| 8     | 3                | 81                       | 7                 | 1912                          | 1676                          | 325.214                               |
| 9     | 2                | 60                       | 7                 | 1538                          |                               | 228.081                               |
| 10    | 2                | 79.5                     | 7                 | 1679                          |                               | 207.439                               |
| 11    | 2                | 67.6                     | 7                 | 1283                          |                               | 360.016                               |
| 12    | 2                | 58                       | 7                 | 1128                          |                               | 172.414                               |
| 13    | 3                | 59.1                     | 7                 | 1955                          | 1192                          | 655.702                               |
| 14    | 1                | 58.7                     | 7                 |                               |                               | 187.039                               |
| 15    | 1                | 65.7                     | 7                 |                               |                               | 648.347                               |
| 16    | 3                | 84.9                     | 7                 | 1821                          | 1886                          | 638.965                               |
| 17    | 3                | 89.3                     | 7                 | 1844                          | 1561                          | 196.882                               |

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     | 2                | 65.9                     | 15                | 1692                          |                               | 510.705                               |
| 2     | 2                | 98.2                     | 15                | 1000                          |                               | 293.36                                |
| 3     | 2                | 97.1                     | 15                | 1850                          |                               | 614.45                                |
| 4     | 1                | 89.5                     | 15                |                               |                               | 901.44                                |
| 5     | 2                | 82.2                     | 15                | 1436                          |                               | 739.36                                |
| 6     | 2                | 99.9                     | 15                | 1563                          |                               | 506.45                                |
| 7     | 1                | 99.9                     | 15                |                               |                               | 503.67                                |
| 8     | 3                | 64                       | 15                | 1221                          | 1197                          | 453.07                                |
| 9     | 2                | 89.4                     | 15                | 1664                          |                               | 682.63                                |
| 10    | 2                | 98.8                     | 15                | 1668                          |                               | 643.28                                |
| 11    | 3                | 58.4                     | 15                | 1790                          | 1435                          | 536.9                                 |
| 12    | 3                | 75.4                     | 15                | 1913                          | 1657                          | 533.9                                 |

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     | 3                | 87.4                     | 8                 | 1267                          | 1471                          | 383.714                               |
| 2     | 2                | 70.4                     | 8                 | 1641                          |                               | 590.09                                |
| 3     | 2                | 54                       | 8                 | 1617                          |                               | 401.76                                |
| 4     | 2                | 83.1                     | 8                 | 1520                          |                               | 647.94                                |
| 5     | 2                | 66.7                     | 8                 | 1601                          |                               | 331.77                                |
| 6     | 2                | 87.5                     | 8                 | 1176                          |                               | 357.03                                |
| 7     | 2                | 64.9                     | 8                 | 1498                          |                               | 155.14                                |
| 8     | 3                | 53                       | 8                 | 1057                          | 1976                          | 348.2                                 |
| 9     | 1                | 64.1                     | 8                 |                               |                               | 548.88                                |
| 10    | 2                | 94.2                     | 8                 | 1183                          |                               | 377                                   |
| 11    | 2                | 86.8                     | 8                 | 1620                          |                               | 93.24                                 |
| 12    | 2                | 60.8                     | 8                 | 1111                          |                               | 177.54                                |
| 13    | 3                | 89.6                     | 8                 | 1394                          | 1839                          | 678.06                                |
| 14    | 2                | 66.8                     | 8                 | 1609                          |                               | 269                                   |
| 15    | 3                | 77.7                     | 8                 | 1584                          | 1856                          | 513.9                                 |
| 16    | 3                | 92                       | 8                 | 1847                          | 1418                          | 510.7                                 |

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                | 87.7                     | 17                | 1544                          |                               | 7.619                                 |
| 2     | 1                | 87.4                     | 17                |                               |                               | 818.757                               |
| 3     | 2                | 78                       | 17                | 1702                          |                               | 1128.283                              |
| 4     | 3                | 66.5                     | 17                | 1316                          | 1726                          | 1319.01                               |
| 5     | 2                | 91.5                     | 17                | 1292                          |                               | 1041.177                              |
| 6     | 3                | 80                       | 17                | 1982                          | 1677                          | 388.933                               |
| 7     | 1                | 71.4                     | 17                |                               |                               | 1026.84                               |
| 8     | 2                | 66.9                     | 17                | 1359                          |                               | 347.327                               |
| 9     | 3                | 80.8                     | 17                | 1985                          | 1678                          | 1086.633                              |

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                | 65.8                     | 12                | 1166                          |                               | 38.446                                |
| 2     | 1                | 69.3                     | 12                |                               |                               | 625.433                               |
| 3     | 1                | 57.7                     | 12                |                               |                               | 678.156                               |
| 4     | 2                | 81                       | 12                | 1263                          |                               | 219.309                               |
| 5     | 1                | 51.4                     | 12                |                               |                               | 842.842                               |
| 6     | 3                | 83.3                     | 12                | 1192                          | 1104                          | 454.515                               |
| 7     | 2                | 54.7                     | 12                | 1907                          |                               | 44.718                                |
| 8     | 2                | 70                       | 12                | 1838                          |                               | 87.352                                |
| 9     | 1                | 88.8                     | 12                |                               |                               | 828.605                               |
| 10    | 3                | 87.7                     | 12                | 1627                          | 1999                          | 763.948                               |
| 11    | 2                | 78.4                     | 12                | 1991                          |                               | 10.921                                |
| 12    | 3                | 66                       | 12                | 1736                          | 1431                          | 395.654                               |
| 13    | 2                | 56.5                     | 12                | 1442                          |                               | 135.577                               |

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                | 88.1                     | 12                | 1041                              |                               | 649.364                               |
| 2     | 1                | 60.7                     | 12                |                                   |                               | 920.831                               |
| 3     | 1                | 87.1                     | 12                |                                   |                               | 224.712                               |
| 4     | 1                | 90.6                     | 12                |                                   |                               | 688.263                               |
| 5     | 1                | 65.6                     | 12                |                                   |                               | 319.414                               |
| 6     | 2                | 60                       | 12                | 1837                              |                               | 739.735                               |
| 7     | 1                | 67.8                     | 12                |                                   |                               | 873.155                               |
| 8     | 1                | 94                       | 12                |                                   |                               | 802.656                               |
| 9     | 1                | 62.8                     | 12                |                                   |                               | 652.647                               |
| 10    | 1                | 98.7                     | 12                |                                   |                               | 334.718                               |
| 11    | 2                | 77.1                     | 12                | 1737                              |                               | 293.009                               |

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                | 94.9                     | 10                | 1373                          |                               | 779.047                               |
| 2     | 2                | 50.3                     | 10                | 1888                          |                               | 849.12                                |
| 3     | 2                | 59.3                     | 10                | 1874                          |                               | 584.55                                |
| 4     | 2                | 90.1                     | 10                | 1566                          |                               | 1133.8                                |
| 5     | 2                | 95.8                     | 10                | 1144                          |                               | 1111.97                               |
| 6     | 2                | 84.8                     | 10                | 1239                          |                               | 268.97                                |
| 7     | 2                | 68.5                     | 10                | 1374                          |                               | 805.93                                |
| 8     | 2                | 57.6                     | 10                | 1917                          |                               | 586.57                                |
| 9     | 1                | 86.1                     | 10                |                               |                               | 1162.4                                |
| 10    | 2                | 89                       | 10                | 1547                          |                               | 426.4                                 |

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                | 50.2                     | 17                | 1147                          |                               | 981.069                               |
| 2     | 2                | 98.5                     | 17                | 1880                          |                               | 27.35                                 |
| 3     | 2                | 71                       | 17                | 1680                          |                               | 707.61                                |
| 4     | 1                | 56.6                     | 17                |                               |                               | 202.45                                |
| 5     | 2                | 96.6                     | 17                | 1215                          |                               | 713.76                                |
| 6     | 2                | 61.2                     | 17                | 1571                          |                               | 594.18                                |
| 7     | 1                | 74.5                     | 17                |                               |                               | 863.09                                |
| 8     | 2                | 71.9                     | 17                | 1285                          |                               | 305.78                                |
| 9     | 2                | 61.5                     | 17                | 1797                          |                               | 991.46                                |
| 10    | 1                | 80.9                     | 17                |                               |                               | 755.73                                |
| 11    | 1                | 100                      | 17                |                               |                               | 787.5                                 |
| 12    | 1                | 76.5                     | 17                |                               |                               | 684.3                                 |

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                | 60                       | 11                | 2000                          |                               | 918.153                               |
| 2     | 3                | 93.8                     | 11                | 1635                          | 1796                          | 1035.771                              |
| 3     | 1                | 79.6                     | 11                |                               |                               | 289.492                               |
| 4     | 1                | 97.9                     | 11                |                               |                               | 452.883                               |
| 5     | 1                | 86.1                     | 11                |                               |                               | 143.604                               |
| 6     | 1                | 51.8                     | 11                |                               |                               | 517.655                               |
| 7     | 3                | 86.8                     | 11                | 1860                          | 1520                          | 355.665                               |
| 8     | 3                | 95.1                     | 11                | 1065                          | 1252                          | 760.336                               |
| 9     | 2                | 95.7                     | 11                | 1588                          |                               | 918.927                               |
| 10    | 2                | 91.6                     | 11                | 1717                          |                               | 1006.018                              |
| 11    | 2                | 82.7                     | 11                | 1537                          |                               | 817.909                               |

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                | 99.6                     | 20                | 1470                          |                               | 228.568                               |
| 2     | 1                | 83.8                     | 20                |                               |                               | 968.72                                |
| 3     | 2                | 93.9                     | 20                | 1634                          |                               | 843.98                                |
| 4     | 2                | 70.1                     | 20                | 1356                          |                               | 796                                   |
| 5     | 2                | 78.3                     | 20                | 1289                          |                               | 952.84                                |
| 6     | 2                | 84.8                     | 20                | 1726                          |                               | 849.27                                |
| 7     | 2                | 96.2                     | 20                | 1593                          |                               | 206.16                                |
| 8     | 2                | 50.4                     | 20                | 1540                          |                               | 806.18                                |
| 9     | 3                | 64.1                     | 20                | 1410                          | 1825                          | 459.67                                |
| 10    | 3                | 53.6                     | 20                | 1428                          | 1315                          | 230.02                                |
| 11    | 2                | 84.4                     | 20                | 1259                          |                               | 200.4                                 |
| 12    | 2                | 51.1                     | 20                | 1936                          |                               | 936.2                                 |

## 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                | 74.1                     | 19                | 1666                          |                               | 317.309                               |
| 2     | 2                | 80.7                     | 19                | 1235                          |                               | 202.733                               |
| 3     | 2                | 62.2                     | 19                | 1528                          |                               | 312.426                               |
| 4     | 1                | 73.1                     | 19                |                               |                               | 725.279                               |
| 5     | 1                | 53.5                     | 19                |                               |                               | 85.892                                |
| 6     | 3                | 60.2                     | 19                | 1040                          | 1721                          | 887.505                               |
| 7     | 3                | 91.5                     | 19                | 1394                          | 1644                          | 5.008                                 |
| 8     | 2                | 62.6                     | 19                | 1894                          |                               | 773.352                               |
| 9     | 2                | 79.3                     | 19                | 1177                          |                               | 662.465                               |
| 10    | 1                | 58.8                     | 19                |                               |                               | 800.378                               |
| 11    | 2                | 53.9                     | 19                | 1100                          |                               | 497.761                               |
| 12    | 3                | 50.8                     | 19                | 1797                          | 1540                          | 884.054                               |
| 13    | 1                | 68                       | 19                |                               |                               | 78.777                                |

## 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                | 89.5                     | 11                |                               |                               | 463.804                               |
| 2     | 2                | 69.3                     | 11                | 1903                          |                               | 658.96                                |
| 3     | 2                | 80.3                     | 11                | 1255                          |                               | 1068.1                                |
| 4     | 3                | 71.7                     | 11                | 1761                          | 1723                          | 347.24                                |
| 5     | 2                | 67.2                     | 11                | 1443                          |                               | 994.03                                |
| 6     | 2                | 51.7                     | 11                | 1969                          |                               | 263.32                                |
| 7     | 2                | 71                       | 11                | 1985                          |                               | 216.2                                 |
| 8     | 2                | 59.9                     | 11                | 1812                          |                               | 117.06                                |
| 9     | 2                | 73.1                     | 11                | 1767                          |                               | 1062.3                                |
| 10    | 2                | 83.1                     | 11                | 1638                          |                               | 474.9                                 |

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     | 3                | 84.4                     | 16                | 1243                          | 1259                          | 585.973                               |
| 2     | 2                | 100                      | 16                | 1391                          |                               | 520.843                               |
| 3     | 2                | 91.7                     | 16                | 1619                          |                               | 257.527                               |
| 4     | 1                | 51.4                     | 16                |                               |                               | 295.29                                |
| 5     | 3                | 56.3                     | 16                | 1016                          | 1775                          | 344.663                               |
| 6     | 2                | 98.6                     | 16                | 1378                          |                               | 628.517                               |
| 7     | 1                | 79                       | 16                |                               |                               | 256.62                                |
| 8     | 1                | 77.1                     | 16                |                               |                               | 16.153                                |
| 9     | 1                | 76.1                     | 16                |                               |                               | 109.827                               |
| 10    | 2                | 91.6                     | 16                | 1499                          |                               | 228.75                                |
| 11    | 3                | 56.9                     | 16                | 1347                          | 1833                          | 204.293                               |
| 12    | 1                | 90                       | 16                |                               |                               | 342.077                               |
| 13    | 3                | 56.4                     | 16                | 1704                          | 1955                          | 505.07                                |
| 14    | 2                | 94.9                     | 16                | 1067                          |                               | 587.453                               |
| 15    | 1                | 53.6                     | 16                |                               |                               | 410.337                               |
| 16    | 3                | 99.5                     | 16                | 1180                          | 1484                          | 169.6                                 |
| 17    | 3                | 85.8                     | 16                | 1604                          | 1133                          | 125.133                               |
| 18    | 3                | 77.5                     | 16                | 1001                          | 1688                          | 635.467                               |

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     | 2                | 76                       | 13                | 1936                          |                               | 513.063                               |
| 2     | 1                | 85.1                     | 13                |                               |                               | 245.063                               |
| 3     | 1                | 51.9                     | 13                |                               |                               | 736.856                               |
| 4     | 3                | 60.5                     | 13                | 1384                          | 1950                          | 431.459                               |
| 5     | 2                | 63.9                     | 13                | 1100                          |                               | 414.242                               |
| 6     | 2                | 52.6                     | 13                | 1129                          |                               | 276.505                               |
| 7     | 3                | 59.5                     | 13                | 1184                          | 1728                          | 651.848                               |
| 8     | 1                | 53.7                     | 13                |                               |                               | 724.452                               |
| 9     | 2                | 57.2                     | 13                | 1952                          |                               | 773.445                               |
| 10    | 2                | 92.3                     | 13                | 1015                          |                               | 626.438                               |
| 11    | 1                | 61                       | 13                |                               |                               | 773.531                               |
| 12    | 3                | 89.6                     | 13                | 1804                          | 1864                          | 117.454                               |
| 13    | 2                | 54.3                     | 13                | 1249                          |                               | 228.477                               |

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                | 99.8                     | 15                | 1583                          |                               | 1113.2                                |
| 2     | 2                | 61                       | 15                | 1314                          |                               | 479.8                                 |
| 3     | 3                | 78.5                     | 15                | 1412                          | 1940                          | 532.73                                |
| 4     | 1                | 73.5                     | 15                |                               |                               | 427.05                                |
| 5     | 2                | 96.7                     | 15                | 1042                          |                               | 1162.98                               |
| 6     | 2                | 76.6                     | 15                | 1341                          |                               | 945.83                                |
| 7     | 2                | 59.9                     | 15                | 1504                          |                               | 143.53                                |
| 8     | 2                | 69.6                     | 15                | 1396                          |                               | 810.95                                |
| 9     | 2                | 96.7                     | 15                | 1795                          |                               | 1118.2                                |
| 10    | 3                | 97.4                     | 15                | 1766                          | 1106                          | 275.9                                 |

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     | 3                | 76.7                     | 14                | 1187                          | 1649                          | 261.321                               |
| 2     | 1                | 87.7                     | 14                |                               |                               | 271.473                               |
| 3     | 1                | 90.4                     | 14                |                               |                               | 321.782                               |
| 4     | 2                | 71.9                     | 14                | 1840                          |                               | 95.673                                |
| 5     | 2                | 89                       | 14                | 1386                          |                               | 130.774                               |
| 6     | 2                | 82.9                     | 14                | 1869                          |                               | 445.035                               |
| 7     | 2                | 73.1                     | 14                | 1978                          |                               | 335.256                               |
| 8     | 2                | 73.5                     | 14                | 1810                          |                               | 500.587                               |
| 9     | 2                | 84.1                     | 14                | 1718                          |                               | 393.278                               |
| 10    | 3                | 83.4                     | 14                | 1986                          | 1400                          | 440.169                               |
| 11    | 1                | 64.6                     | 14                |                               |                               | 231.941                               |
| 12    | 1                | 60.7                     | 14                |                               |                               | 351.072                               |
| 13    | 3                | 64.2                     | 14                | 1474                          | 1932                          | 378.813                               |
| 14    | 2                | 81.2                     | 14                | 1448                          |                               | 443.444                               |
| 15    | 2                | 63.2                     | 14                | 1539                          |                               | 479.755                               |
| 16    | 2                | 71.9                     | 14                | 1085                          |                               | 23.816                                |
| 17    | 1                | 89.5                     | 14                |                               |                               | 462.937                               |
| 18    | 2                | 59.8                     | 14                | 1791                          |                               | 105.658                               |
| 19    | 1                | 59                       | 14                |                               |                               | 507.279                               |

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                | 64.8                     | 17                | 1162                          |                               | 527.89                                |
| 2     | 1                | 84.7                     | 17                |                               |                               | 1022.13                               |
| 3     | 2                | 83.6                     | 17                | 1669                          |                               | 1085.54                               |
| 4     | 1                | 75.1                     | 17                |                               |                               | 760.13                                |
| 5     | 1                | 60.8                     | 17                |                               |                               | 90.01                                 |
| 6     | 3                | 93.4                     | 17                | 1370                          | 1009                          | 856.19                                |
| 7     | 2                | 66                       | 17                | 1767                          |                               | 1172.08                               |
| 8     | 2                | 57.2                     | 17                | 1874                          |                               | 302.35                                |
| 9     | 3                | 80.4                     | 17                | 1423                          | 1701                          | 846.2                                 |
| 10    | 2                | 96.5                     | 17                | 1003                          |                               | 988.1                                 |

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                | 97.3                     | 10                | 1163                          |                               | 324.141                               |
| 2     | 1                | 95.8                     | 10                |                               |                               | 618.111                               |
| 3     | 2                | 53.3                     | 10                | 1538                          |                               | 202.782                               |
| 4     | 3                | 95.4                     | 10                | 1938                          | 1883                          | 523.453                               |
| 5     | 1                | 59.7                     | 10                |                               |                               | 695.964                               |
| 6     | 2                | 88.5                     | 10                | 1394                          |                               | 305.995                               |
| 7     | 1                | 89.1                     | 10                |                               |                               | 647.725                               |
| 8     | 2                | 89.5                     | 10                | 1360                          |                               | 537.116                               |
| 9     | 2                | 50                       | 10                | 1148                          |                               | 972.627                               |
| 10    | 2                | 76.8                     | 10                | 1033                          |                               | 937.118                               |
| 11    | 3                | 59.4                     | 10                | 1922                          | 1269                          | 905.509                               |

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                | 80.9                     | 9                 | 1725                          |                               | 424.465                               |
| 2     | 2                | 96.4                     | 9                 | 1034                          |                               | 343.92                                |
| 3     | 2                | 54.4                     | 9                 | 1366                          |                               | 484.88                                |
| 4     | 2                | 85.2                     | 9                 | 1346                          |                               | 349.08                                |
| 5     | 1                | 76.7                     | 9                 |                               |                               | 26.66                                 |
| 6     | 2                | 72.5                     | 9                 | 1876                          |                               | 155.27                                |
| 7     | 2                | 81.6                     | 9                 | 1454                          |                               | 185.85                                |
| 8     | 2                | 76.9                     | 9                 | 1492                          |                               | 31.01                                 |
| 9     | 2                | 74.1                     | 9                 | 1271                          |                               | 408.28                                |
| 10    | 2                | 88                       | 9                 | 1152                          |                               | 313.52                                |
| 11    | 2                | 53.3                     | 9                 | 1717                          |                               | 72.11                                 |
| 12    | 3                | 97.3                     | 9                 | 1983                          | 1623                          | 415.99                                |
| 13    | 2                | 92.8                     | 9                 | 1162                          |                               | 654.5                                 |
| 14    | 2                | 52                       | 9                 | 1745                          |                               | 398.9                                 |
| 15    | 2                | 83.2                     | 9                 | 1474                          |                               | 639.7                                 |

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     | 1                | 53.8                     | 15                |                               |                               | 790.741                               |
| 2     | 3                | 56.9                     | 15                | 1112                          | 1431                          | 488.48                                |
| 3     | 2                | 75.1                     | 15                | 1491                          |                               | 635.05                                |
| 4     | 1                | 84.7                     | 15                |                               |                               | 717.65                                |
| 5     | 1                | 98.4                     | 15                |                               |                               | 323.32                                |
| 6     | 3                | 53.9                     | 15                | 1411                          | 1063                          | 731.71                                |
| 7     | 2                | 65.9                     | 15                | 1140                          |                               | 258.28                                |
| 8     | 2                | 80.9                     | 15                | 1143                          |                               | 158.53                                |
| 9     | 2                | 96.9                     | 15                | 1474                          |                               | 50.86                                 |
| 10    | 1                | 54.8                     | 15                |                               |                               | 590.39                                |
| 11    | 2                | 96.8                     | 15                | 1842                          |                               | 267.6                                 |
| 12    | 3                | 60.3                     | 15                | 1726                          | 1196                          | 433.15                                |
| 13    | 2                | 65.2                     | 15                | 1074                          |                               | 193.54                                |
| 14    | 1                | 66.6                     | 15                |                               |                               | 13.2                                  |
| 15    | 2                | 75                       | 15                | 1322                          |                               | 435.7                                 |

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                | 60.3                     | 15                |                               |                               | 229.513                               |
| 2     | 2                | 79.5                     | 15                | 1625                          |                               | 43.607                                |
| 3     | 1                | 98.9                     | 15                |                               |                               | 251.69                                |
| 4     | 3                | 79.8                     | 15                | 1473                          | 1176                          | 212.39                                |
| 5     | 3                | 89.1                     | 15                | 1550                          | 1810                          | 18.63                                 |
| 6     | 3                | 85.6                     | 15                | 1861                          | 1416                          | 103.57                                |
| 7     | 3                | 50                       | 15                | 1325                          | 1426                          | 88.9                                  |
| 8     | 2                | 50.9                     | 15                | 1889                          |                               | 503.67                                |
| 9     | 2                | 60.1                     | 15                | 1695                          |                               | 128.32                                |
| 10    | 1                | 83.8                     | 15                |                               |                               | 274.11                                |
| 11    | 3                | 76.6                     | 15                | 1807                          | 1438                          | 493.07                                |
| 12    | 3                | 56.9                     | 15                | 1118                          | 1433                          | 399.29                                |
| 13    | 2                | 75.9                     | 15                | 1381                          |                               | 356.27                                |
| 14    | 3                | 53                       | 15                | 1058                          | 1945                          | 172.23                                |
| 15    | 3                | 77.4                     | 15                | 1161                          | 1716                          | 44.93                                 |
| 16    | 3                | 64                       | 15                | 1893                          | 1584                          | 103.19                                |
| 17    | 1                | 65.7                     | 15                |                               |                               | 173.37                                |
| 18    | 2                | 70.6                     | 15                | 1752                          |                               | 112.3                                 |
| 19    | 1                | 52.9                     | 15                |                               |                               | 384                                   |
| 20    | 1                | 69.6                     | 15                |                               |                               | 571.7                                 |

## 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     | 2                | 77.5                     | 8                 | 1733                          |                               | 429.237                               |
| 2     | 3                | 78                       | 8                 | 1807                          | 1358                          | 76.665                                |
| 3     | 2                | 92.5                     | 8                 | 1328                          |                               | 494.056                               |
| 4     | 2                | 88.4                     | 8                 | 1047                          |                               | 288.159                               |
| 5     | 2                | 83.4                     | 8                 | 1934                          |                               | 867.472                               |
| 6     | 1                | 97.4                     | 8                 |                               |                               | 240.385                               |
| 7     | 3                | 97.3                     | 8                 | 1626                          | 1581                          | 123.348                               |
| 8     | 2                | 77.9                     | 8                 | 1351                          |                               | 390.492                               |
| 9     | 3                | 52.9                     | 8                 | 1125                          | 1661                          | 589.955                               |
| 10    | 2                | 87.3                     | 8                 | 1903                          |                               | 731.598                               |
| 11    | 2                | 78.3                     | 8                 | 1253                          |                               | 759.591                               |
| 12    | 2                | 56.4                     | 8                 | 1713                          |                               | 100.754                               |
| 13    | 2                | 97.5                     | 8                 | 1165                          |                               | 29.477                                |

## 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     | 3                | 70.7                     | 16                | 1832                          | 1344                          | 576.64                                |
| 2     | 2                | 84.3                     | 16                | 1847                          |                               | 258.927                               |
| 3     | 1                | 87.4                     | 16                |                               |                               | 573.207                               |
| 4     | 2                | 79                       | 16                | 1761                          |                               | 195.69                                |
| 5     | 3                | 56.3                     | 16                | 1074                          | 1585                          | 437.843                               |
| 6     | 1                | 52.6                     | 16                |                               |                               | 342.987                               |
| 7     | 3                | 50.4                     | 16                | 1581                          | 1251                          | 238.72                                |
| 8     | 1                | 98.8                     | 16                |                               |                               | 635.043                               |
| 9     | 3                | 59.8                     | 16                | 1432                          | 1081                          | 26.757                                |
| 10    | 2                | 94.3                     | 16                | 1434                          |                               | 149.9                                 |
| 11    | 1                | 77.4                     | 16                |                               |                               | 593.673                               |
| 12    | 1                | 62.4                     | 16                |                               |                               | 578.687                               |
| 13    | 3                | 99.1                     | 16                | 1922                          | 1455                          | 477.38                                |
| 14    | 1                | 68.5                     | 16                |                               |                               | 655.263                               |
| 15    | 2                | 69.4                     | 16                | 1064                          |                               | 146.537                               |
| 16    | 2                | 72.4                     | 16                | 1531                          |                               | 91.6                                  |
| 17    | 2                | 93.8                     | 16                | 1185                          |                               | 406.733                               |
| 18    | 1                | 61.8                     | 16                |                               |                               | 38.267                                |

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                | 74                       | 19                | 1205                          |                               | 537.872                               |
| 2     | 2                | 67.8                     | 19                | 1821                          |                               | 711.44                                |
| 3     | 1                | 51.6                     | 19                |                               |                               | 694.69                                |
| 4     | 2                | 87.2                     | 19                | 1268                          |                               | 163.99                                |
| 5     | 2                | 79.6                     | 19                | 1898                          |                               | 198.35                                |
| 6     | 2                | 65.9                     | 19                | 1210                          |                               | 465.59                                |
| 7     | 2                | 54.9                     | 19                | 1423                          |                               | 765.65                                |
| 8     | 2                | 81.7                     | 19                | 1226                          |                               | 381.26                                |
| 9     | 2                | 81.8                     | 19                | 1006                          |                               | 983.61                                |
| 10    | 2                | 91.6                     | 19                | 1158                          |                               | 895.09                                |
| 11    | 1                | 87.8                     | 19                |                               |                               | 521.7                                 |
| 12    | 1                | 62.4                     | 19                |                               |                               | 776.3                                 |

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                | 57.9                     | 13                | 1783                          |                               | 515.372                               |
| 2     | 2                | 61.2                     | 13                | 1225                          |                               | 369.44                                |
| 3     | 2                | 64                       | 13                | 1625                          |                               | 227.28                                |
| 4     | 2                | 85.3                     | 13                | 1580                          |                               | 70.74                                 |
| 5     | 1                | 88                       | 13                |                               |                               | 282.6                                 |
| 6     | 2                | 99.3                     | 13                | 1349                          |                               | 512.86                                |
| 7     | 3                | 56.7                     | 13                | 1206                          | 1002                          | 652.54                                |
| 8     | 3                | 65.4                     | 13                | 1493                          | 1269                          | 483.78                                |
| 9     | 3                | 97.4                     | 13                | 1589                          | 1190                          | 378.05                                |
| 10    | 3                | 88.9                     | 13                | 1246                          | 1861                          | 186.62                                |
| 11    | 3                | 77.5                     | 13                | 1261                          | 1997                          | 453.89                                |
| 12    | 2                | 92.8                     | 13                | 1290                          |                               | 624.47                                |
| 13    | 2                | 53.9                     | 13                | 1107                          |                               | 467.51                                |
| 14    | 1                | 70.3                     | 13                |                               |                               | 646.3                                 |
| 15    | 1                | 94.6                     | 13                |                               |                               | 393.1                                 |
| 16    | 1                | 51.2                     | 13                |                               |                               | 270.3                                 |

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                | 73                       | 9                 |                               |                               | 61.618                                |
| 2     | 1                | 84.7                     | 9                 |                               |                               | 496.563                               |
| 3     | 3                | 75.5                     | 9                 | 1729                          | 1002                          | 338.057                               |
| 4     | 1                | 94.1                     | 9                 |                               |                               | 330.8                                 |
| 5     | 2                | 75.2                     | 9                 | 1226                          |                               | 2.543                                 |
| 6     | 1                | 86.7                     | 9                 |                               |                               | 127.397                               |
| 7     | 2                | 50.4                     | 9                 | 1167                          |                               | 241.34                                |
| 8     | 3                | 81.8                     | 9                 | 1921                          | 1060                          | 362.293                               |
| 9     | 1                | 57                       | 9                 |                               |                               | 653.187                               |
| 10    | 1                | 61.6                     | 9                 |                               |                               | 382.98                                |
| 11    | 2                | 53.3                     | 9                 | 1240                          |                               | 634.143                               |
| 12    | 3                | 85                       | 9                 | 1143                          | 1072                          | 214.147                               |
| 13    | 3                | 61.2                     | 9                 | 1292                          | 1389                          | 600.36                                |
| 14    | 2                | 80.6                     | 9                 | 1247                          |                               | 465.223                               |
| 15    | 1                | 54.8                     | 9                 |                               |                               | 546.417                               |
| 16    | 1                | 78.8                     | 9                 |                               |                               | 595.8                                 |
| 17    | 2                | 96.5                     | 9                 | 1113                          |                               | 289.333                               |
| 18    | 2                | 98.3                     | 9                 | 1256                          |                               | 452.267                               |

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     | 1                | 52.7                     | 19                |                               |                               | 950.369                               |
| 2     | 2                | 86.5                     | 19                | 1253                          |                               | 721.587                               |
| 3     | 3                | 66.7                     | 19                | 1113                          | 1143                          | 333.913                               |
| 4     | 1                | 88.4                     | 19                |                               |                               | 856.07                                |
| 5     | 3                | 94.5                     | 19                | 1559                          | 1384                          | 150.517                               |
| 6     | 2                | 91.7                     | 19                | 1181                          |                               | 806.413                               |
| 7     | 2                | 93.5                     | 19                | 1860                          |                               | 312.4                                 |
| 8     | 1                | 71.3                     | 19                |                               |                               | 23.937                                |
| 9     | 2                | 66.6                     | 19                | 1519                          |                               | 1166.333                              |

## 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                | 51.7                     | 15                | 1376                          |                               | 496.592                               |
| 2     | 2                | 89.1                     | 15                | 1408                          |                               | 629.8                                 |
| 3     | 2                | 50.4                     | 15                | 1016                          |                               | 507.29                                |
| 4     | 2                | 80.7                     | 15                | 1746                          |                               | 979.15                                |
| 5     | 2                | 95.2                     | 15                | 1702                          |                               | 312.61                                |
| 6     | 1                | 91.1                     | 15                |                               |                               | 258.26                                |
| 7     | 2                | 80.1                     | 15                | 1403                          |                               | 741.39                                |
| 8     | 3                | 88.2                     | 15                | 1852                          | 1330                          | 543.35                                |
| 9     | 2                | 71.5                     | 15                | 1189                          |                               | 307.11                                |
| 10    | 2                | 76.4                     | 15                | 1804                          |                               | 764.08                                |
| 11    | 2                | 62.2                     | 15                | 1406                          |                               | 63.9                                  |
| 12    | 2                | 69.7                     | 15                | 1990                          |                               | 385.9                                 |

## Radar Type 6 - Radar Statistical Performance

| Trail #                  | 1=Detection<br>0=No Detection | Trail # | 1=Detection<br>0=No Detection |
|--------------------------|-------------------------------|---------|-------------------------------|
| 1                        | 1                             | 16      | 1                             |
| 2                        | 1                             | 17      | 1                             |
| 3                        | 1                             | 18      | 1                             |
| 4                        | 1                             | 19      | 1                             |
| 5                        | 1                             | 20      | 1                             |
| 6                        | 1                             | 21      | 1                             |
| 7                        | 1                             | 22      | 1                             |
| 8                        | 1                             | 23      | 1                             |
| 9                        | 1                             | 24      | 1                             |
| 10                       | 1                             | 25      | 1                             |
| 11                       | 1                             | 26      | 1                             |
| 12                       | 1                             | 27      | 1                             |
| 13                       | 1                             | 28      | 1                             |
| 14                       | 1                             | 29      | 1                             |
| 15                       | 1                             | 30      | 1                             |
| Detection Percentage (%) |                               |         | 100%                          |

| Radar waveform #1 |                 |                  | Radar waveform #2 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 8                 | 5535            | 24               | 4                 | 5512            | 12               |
| 9                 | 5490            | 27               | 6                 | 5535            | 18               |
| 12                | 5507            | 36               | 18                | 5566            | 54               |
| 34                | 5541            | 102              | 19                | 5529            | 57               |
| 35                | 5495            | 105              | 34                | 5510            | 102              |
| 41                | 5512            | 123              | 43                | 5559            | 129              |
| 46                | 5501            | 138              | 44                | 5493            | 132              |
| 54                | 5547            | 162              | 59                | 5565            | 177              |
| 55                | 5545            | 165              | 66                | 5564            | 198              |
| 63                | 5563            | 189              | 70                | 5505            | 210              |
| 64                | 5551            | 192              | 78                | 5544            | 234              |
| 70                | 5521            | 210              | 82                | 5555            | 246              |
| 73                | 5518            | 219              | 84                | 5550            | 252              |
| 78                | 5493            | 234              | 85                | 5534            | 255              |
| 95                | 5529            | 285              | 86                | 5525            | 258              |
| 98                | 5530            | 294              | 91                | 5502            | 273              |
| --                | --              | --               | 96                | 5501            | 288              |
| --                | --              | --               | 99                | 5557            | 297              |
| --                | --              | --               | 100               | 5541            | 300              |

| Radar waveform #3 |                 |                  | Radar waveform #4 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 2                 | 5568            | 6                | 5                 | 5565            | 15               |
| 3                 | 5511            | 9                | 8                 | 5524            | 24               |
| 7                 | 5570            | 21               | 17                | 5525            | 51               |
| 22                | 5550            | 66               | 27                | 5570            | 81               |
| 23                | 5531            | 69               | 28                | 5556            | 84               |
| 25                | 5502            | 75               | 31                | 5558            | 93               |
| 40                | 5509            | 120              | 38                | 5494            | 114              |
| 41                | 5523            | 123              | 39                | 5542            | 117              |
| 42                | 5564            | 126              | 68                | 5553            | 204              |
| 44                | 5522            | 132              | 70                | 5539            | 210              |
| 46                | 5530            | 138              | 71                | 5545            | 213              |
| 49                | 5536            | 147              | 91                | 5559            | 273              |
| 72                | 5515            | 216              | 95                | 5552            | 285              |
| 73                | 5553            | 219              | --                | --              | --               |
| 78                | 5510            | 234              | --                | --              | --               |
| 81                | 5534            | 243              | --                | --              | --               |
| 86                | 5563            | 258              | --                | --              | --               |
| 97                | 5505            | 291              | --                | --              | --               |
| 99                | 5561            | 297              | --                | --              | --               |

| Radar waveform #5 |                 |                  | Radar waveform #6 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 8                 | 5521            | 24               | 2                 | 5532            | 6                |
| 10                | 5512            | 30               | 11                | 5502            | 33               |
| 13                | 5540            | 39               | 14                | 5565            | 42               |
| 17                | 5500            | 51               | 30                | 5561            | 90               |
| 24                | 5560            | 72               | 32                | 5496            | 96               |
| 35                | 5559            | 105              | 37                | 5495            | 111              |
| 39                | 5552            | 117              | 54                | 5507            | 162              |
| 42                | 5544            | 126              | 64                | 5563            | 192              |
| 50                | 5491            | 150              | 70                | 5558            | 210              |
| 53                | 5547            | 159              | 82                | 5535            | 246              |
| 56                | 5539            | 168              | 84                | 5493            | 252              |
| 79                | 5496            | 237              | 86                | 5521            | 258              |
| 82                | 5502            | 246              | 89                | 5491            | 267              |
| 95                | 5498            | 285              | 91                | 5494            | 273              |
| 96                | 5561            | 288              | 93                | 5492            | 279              |
| --                | --              | --               | 96                | 5551            | 288              |

| Radar waveform #7 |                 |                  | Radar waveform #8 |                 |                  |
|-------------------|-----------------|------------------|-------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number    | Frequency (MHz) | Pulse Start (ms) |
| 12                | 5517            | 36               | 1                 | 5496            | 3                |
| 14                | 5539            | 42               | 7                 | 5539            | 21               |
| 20                | 5495            | 60               | 10                | 5501            | 30               |
| 28                | 5497            | 84               | 19                | 5541            | 57               |
| 33                | 5518            | 99               | 27                | 5554            | 81               |
| 36                | 5540            | 108              | 29                | 5495            | 87               |
| 38                | 5496            | 114              | 35                | 5562            | 105              |
| 41                | 5512            | 123              | 36                | 5499            | 108              |
| 53                | 5519            | 159              | 56                | 5568            | 168              |
| 63                | 5516            | 189              | 57                | 5505            | 171              |
| 66                | 5508            | 198              | 59                | 5560            | 177              |
| 68                | 5541            | 204              | 71                | 5493            | 213              |
| 75                | 5554            | 225              | 80                | 5530            | 240              |
| 89                | 5523            | 267              | 81                | 5556            | 243              |
| 90                | 5552            | 270              | --                | --              | --               |
| 94                | 5551            | 282              | --                | --              | --               |
| 99                | 5546            | 297              | --                | --              | --               |

| Radar waveform #9 |                 |                  | Radar waveform #10 |                 |                  |
|-------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number    | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                 | 5549            | 12               | 5                  | 5530            | 15               |
| 8                 | 5525            | 24               | 9                  | 5555            | 27               |
| 12                | 5493            | 36               | 19                 | 5536            | 57               |
| 19                | 5556            | 57               | 30                 | 5548            | 90               |
| 31                | 5544            | 93               | 36                 | 5532            | 108              |
| 39                | 5512            | 117              | 38                 | 5560            | 114              |
| 46                | 5511            | 138              | 40                 | 5542            | 120              |
| 55                | 5546            | 165              | 42                 | 5561            | 126              |
| 63                | 5564            | 189              | 45                 | 5502            | 135              |
| 72                | 5548            | 216              | 55                 | 5525            | 165              |
| 73                | 5547            | 219              | 56                 | 5564            | 168              |
| 78                | 5567            | 234              | 60                 | 5492            | 180              |
| 84                | 5514            | 252              | 62                 | 5519            | 186              |
| 85                | 5500            | 255              | 70                 | 5551            | 210              |
| 86                | 5559            | 258              | 73                 | 5557            | 219              |
| 95                | 5563            | 285              | 100                | 5523            | 300              |
| 96                | 5503            | 288              | --                 | --              | --               |

| Radar waveform #11 |                 |                  | Radar waveform #12 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 6                  | 5514            | 18               | 5                  | 5519            | 15               |
| 9                  | 5524            | 27               | 7                  | 5539            | 21               |
| 12                 | 5554            | 36               | 20                 | 5550            | 60               |
| 27                 | 5567            | 81               | 23                 | 5499            | 69               |
| 29                 | 5534            | 87               | 44                 | 5517            | 132              |
| 31                 | 5490            | 93               | 46                 | 5548            | 138              |
| 34                 | 5550            | 102              | 62                 | 5490            | 186              |
| 35                 | 5491            | 105              | 67                 | 5552            | 201              |
| 36                 | 5543            | 108              | 77                 | 5494            | 231              |
| 44                 | 5545            | 132              | 87                 | 5547            | 261              |
| 46                 | 5519            | 138              | 88                 | 5564            | 264              |
| 47                 | 5570            | 141              | 90                 | 5522            | 270              |
| 48                 | 5533            | 144              | --                 | --              | --               |
| 58                 | 5565            | 174              | --                 | --              | --               |
| 60                 | 5549            | 180              | --                 | --              | --               |
| 64                 | 5532            | 192              | --                 | --              | --               |
| 67                 | 5529            | 201              | --                 | --              | --               |
| 76                 | 5508            | 228              | --                 | --              | --               |
| 81                 | 5512            | 243              | --                 | --              | --               |
| 89                 | 5547            | 267              | --                 | --              | --               |
| 97                 | 5551            | 291              | --                 | --              | --               |

| Radar waveform #13 |                 |                  | Radar waveform #14 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5522            | 9                | 9                  | 5494            | 27               |
| 10                 | 5516            | 30               | 10                 | 5528            | 30               |
| 11                 | 5512            | 33               | 12                 | 5527            | 36               |
| 17                 | 5508            | 51               | 14                 | 5510            | 42               |
| 20                 | 5502            | 60               | 18                 | 5548            | 54               |
| 24                 | 5540            | 72               | 22                 | 5559            | 66               |
| 25                 | 5534            | 75               | 34                 | 5495            | 102              |
| 28                 | 5511            | 84               | 43                 | 5519            | 129              |
| 33                 | 5543            | 99               | 46                 | 5568            | 138              |
| 34                 | 5531            | 102              | 48                 | 5557            | 144              |
| 43                 | 5557            | 129              | 49                 | 5540            | 147              |
| 48                 | 5552            | 144              | 52                 | 5493            | 156              |
| 52                 | 5535            | 156              | 53                 | 5564            | 159              |
| 59                 | 5515            | 177              | 55                 | 5505            | 165              |
| 69                 | 5548            | 207              | 56                 | 5491            | 168              |
| 70                 | 5558            | 210              | 60                 | 5549            | 180              |
| 92                 | 5536            | 276              | 67                 | 5502            | 201              |
| 95                 | 5560            | 285              | 92                 | 5539            | 276              |
| 98                 | 5554            | 294              | 96                 | 5524            | 288              |
| --                 | --              | --               | 98                 | 5525            | 294              |

| Radar waveform #15 |                 |                  | Radar waveform #16 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 2                  | 5566            | 6                | 4                  | 5525            | 12               |
| 9                  | 5513            | 27               | 9                  | 5510            | 27               |
| 11                 | 5515            | 33               | 25                 | 5548            | 75               |
| 14                 | 5518            | 42               | 26                 | 5566            | 78               |
| 18                 | 5552            | 54               | 32                 | 5496            | 96               |
| 21                 | 5516            | 63               | 34                 | 5500            | 102              |
| 22                 | 5524            | 66               | 40                 | 5558            | 120              |
| 42                 | 5494            | 126              | 43                 | 5534            | 129              |
| 43                 | 5508            | 129              | 44                 | 5546            | 132              |
| 68                 | 5503            | 204              | 52                 | 5560            | 156              |
| 72                 | 5522            | 216              | 59                 | 5513            | 177              |
| 77                 | 5527            | 231              | 64                 | 5518            | 192              |
| 100                | 5556            | 300              | 67                 | 5530            | 201              |
| --                 | --              | --               | 90                 | 5554            | 270              |
| --                 | --              | --               | 97                 | 5559            | 291              |
| --                 | --              | --               | 99                 | 5504            | 297              |

| Radar waveform #17 |                 |                  | Radar waveform #18 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5521            | 12               | 11                 | 5541            | 33               |
| 14                 | 5553            | 42               | 16                 | 5498            | 48               |
| 32                 | 5539            | 96               | 17                 | 5555            | 51               |
| 41                 | 5520            | 123              | 21                 | 5492            | 63               |
| 45                 | 5540            | 135              | 33                 | 5504            | 99               |
| 48                 | 5548            | 144              | 42                 | 5556            | 126              |
| 50                 | 5536            | 150              | 54                 | 5497            | 162              |
| 51                 | 5563            | 153              | 55                 | 5518            | 165              |
| 58                 | 5507            | 174              | 60                 | 5512            | 180              |
| 61                 | 5534            | 183              | 65                 | 5491            | 195              |
| 66                 | 5519            | 198              | 71                 | 5548            | 213              |
| 75                 | 5549            | 225              | 75                 | 5507            | 225              |
| 77                 | 5490            | 231              | 81                 | 5528            | 243              |
| 85                 | 5533            | 255              | 82                 | 5494            | 246              |
| 91                 | 5518            | 273              | 83                 | 5567            | 249              |
| 97                 | 5556            | 291              | 94                 | 5560            | 282              |
| 99                 | 5503            | 297              | 97                 | 5527            | 291              |

| Radar waveform #19 |                 |                  | Radar waveform #20 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5557            | 9                | 5                  | 5535            | 15               |
| 22                 | 5490            | 66               | 6                  | 5565            | 18               |
| 36                 | 5546            | 108              | 12                 | 5534            | 36               |
| 37                 | 5521            | 111              | 19                 | 5546            | 57               |
| 41                 | 5505            | 123              | 26                 | 5533            | 78               |
| 52                 | 5528            | 156              | 28                 | 5563            | 84               |
| 68                 | 5501            | 204              | 33                 | 5519            | 99               |
| 70                 | 5558            | 210              | 37                 | 5550            | 111              |
| 73                 | 5516            | 219              | 78                 | 5538            | 234              |
| 74                 | 5526            | 222              | 87                 | 5517            | 261              |
| 84                 | 5499            | 252              | 93                 | 5526            | 279              |
| 93                 | 5538            | 279              | --                 | --              | --               |
| 98                 | 5504            | 294              | --                 | --              | --               |
| 100                | 5491            | 300              | --                 | --              | --               |

| Radar waveform #21 |                 |                  | Radar waveform #22 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 5                  | 5548            | 15               | 4                  | 5550            | 12               |
| 10                 | 5498            | 30               | 8                  | 5522            | 24               |
| 18                 | 5562            | 54               | 16                 | 5518            | 48               |
| 22                 | 5492            | 66               | 25                 | 5537            | 75               |
| 23                 | 5569            | 69               | 30                 | 5520            | 90               |
| 33                 | 5501            | 99               | 38                 | 5539            | 114              |
| 34                 | 5543            | 102              | 39                 | 5501            | 117              |
| 40                 | 5518            | 120              | 52                 | 5519            | 156              |
| 44                 | 5551            | 132              | 54                 | 5509            | 162              |
| 51                 | 5539            | 153              | 56                 | 5549            | 168              |
| 53                 | 5516            | 159              | 59                 | 5547            | 177              |
| 55                 | 5523            | 165              | 61                 | 5527            | 183              |
| 56                 | 5568            | 168              | 71                 | 5495            | 213              |
| 60                 | 5527            | 180              | 74                 | 5538            | 222              |
| 70                 | 5547            | 210              | 79                 | 5564            | 237              |
| 71                 | 5541            | 213              | 93                 | 5503            | 279              |
| 73                 | 5529            | 219              | 98                 | 5567            | 294              |
| 78                 | 5525            | 234              | --                 | --              | --               |
| 86                 | 5536            | 258              | --                 | --              | --               |
| 89                 | 5542            | 267              | --                 | --              | --               |
| 94                 | 5511            | 282              | --                 | --              | --               |
| 95                 | 5513            | 285              | --                 | --              | --               |
| 98                 | 5556            | 294              | --                 | --              | --               |

| Radar waveform #23 |                 |                  | Radar waveform #24 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 10                 | 5522            | 30               | 6                  | 5501            | 18               |
| 13                 | 5510            | 39               | 14                 | 5561            | 42               |
| 16                 | 5518            | 48               | 16                 | 5525            | 48               |
| 17                 | 5570            | 51               | 18                 | 5490            | 54               |
| 21                 | 5505            | 63               | 19                 | 5502            | 57               |
| 27                 | 5544            | 81               | 20                 | 5508            | 60               |
| 31                 | 5523            | 93               | 30                 | 5533            | 90               |
| 35                 | 5560            | 105              | 38                 | 5568            | 114              |
| 38                 | 5568            | 114              | 43                 | 5542            | 129              |
| 43                 | 5493            | 129              | 58                 | 5555            | 174              |
| 44                 | 5558            | 132              | 62                 | 5532            | 186              |
| 48                 | 5559            | 144              | 64                 | 5503            | 192              |
| 49                 | 5539            | 147              | 67                 | 5535            | 201              |
| 55                 | 5532            | 165              | 69                 | 5537            | 207              |
| 70                 | 5508            | 210              | 75                 | 5495            | 225              |
| 77                 | 5491            | 231              | 77                 | 5529            | 231              |
| 82                 | 5569            | 246              | 80                 | 5522            | 240              |
| 88                 | 5509            | 264              | 90                 | 5517            | 270              |
| 90                 | 5552            | 270              | 96                 | 5510            | 288              |
| 91                 | 5494            | 273              | --                 | --              | --               |
| 93                 | 5549            | 279              | --                 | --              | --               |
| 100                | 5501            | 300              | --                 | --              | --               |

| Radar waveform #25 |                 |                  | Radar waveform #26 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 4                  | 5501            | 12               | 11                 | 5545            | 33               |
| 8                  | 5550            | 24               | 22                 | 5524            | 66               |
| 9                  | 5565            | 27               | 26                 | 5501            | 78               |
| 12                 | 5552            | 36               | 32                 | 5532            | 96               |
| 15                 | 5525            | 45               | 40                 | 5561            | 120              |
| 31                 | 5555            | 93               | 41                 | 5538            | 123              |
| 37                 | 5498            | 111              | 45                 | 5540            | 135              |
| 40                 | 5512            | 120              | 56                 | 5546            | 168              |
| 44                 | 5499            | 132              | 62                 | 5528            | 186              |
| 67                 | 5549            | 201              | 64                 | 5514            | 192              |
| 71                 | 5540            | 213              | 65                 | 5559            | 195              |
| 78                 | 5490            | 234              | 71                 | 5497            | 213              |
| 79                 | 5533            | 237              | 78                 | 5567            | 234              |
| 80                 | 5570            | 240              | 79                 | 5542            | 237              |
| 91                 | 5546            | 273              | 81                 | 5565            | 243              |
| 96                 | 5504            | 288              | 83                 | 5492            | 249              |
| --                 | --              | --               | 85                 | 5496            | 255              |
| --                 | --              | --               | 92                 | 5563            | 276              |

| Radar waveform #27 |                 |                  | Radar waveform #28 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 8                  | 5569            | 24               | 6                  | 5534            | 18               |
| 26                 | 5568            | 78               | 15                 | 5537            | 45               |
| 32                 | 5541            | 96               | 27                 | 5501            | 81               |
| 34                 | 5545            | 102              | 29                 | 5505            | 87               |
| 36                 | 5510            | 108              | 36                 | 5504            | 108              |
| 37                 | 5543            | 111              | 44                 | 5498            | 132              |
| 53                 | 5524            | 159              | 50                 | 5529            | 150              |
| 57                 | 5497            | 171              | 63                 | 5563            | 189              |
| 71                 | 5499            | 213              | 64                 | 5523            | 192              |
| 86                 | 5547            | 258              | 67                 | 5518            | 201              |
| 87                 | 5514            | 261              | 72                 | 5570            | 216              |
| 94                 | 5566            | 282              | 76                 | 5519            | 228              |
| --                 | --              | --               | 80                 | 5511            | 240              |
| --                 | --              | --               | 82                 | 5546            | 246              |
| --                 | --              | --               | 85                 | 5545            | 255              |
| --                 | --              | --               | 88                 | 5513            | 264              |
| --                 | --              | --               | 94                 | 5543            | 282              |
| --                 | --              | --               | 95                 | 5528            | 285              |
| --                 | --              | --               | 99                 | 5549            | 297              |

| Radar waveform #29 |                 |                  | Radar waveform #30 |                 |                  |
|--------------------|-----------------|------------------|--------------------|-----------------|------------------|
| Hopping Number     | Frequency (MHz) | Pulse Start (ms) | Hopping Number     | Frequency (MHz) | Pulse Start (ms) |
| 3                  | 5490            | 9                | 6                  | 5538            | 18               |
| 11                 | 5554            | 33               | 12                 | 5502            | 36               |
| 16                 | 5566            | 48               | 17                 | 5514            | 51               |
| 21                 | 5534            | 63               | 28                 | 5544            | 84               |
| 22                 | 5551            | 66               | 33                 | 5558            | 99               |
| 23                 | 5561            | 69               | 34                 | 5565            | 102              |
| 25                 | 5524            | 75               | 41                 | 5526            | 123              |
| 27                 | 5494            | 81               | 43                 | 5534            | 129              |
| 30                 | 5515            | 90               | 44                 | 5504            | 132              |
| 35                 | 5569            | 105              | 48                 | 5547            | 144              |
| 37                 | 5507            | 111              | 74                 | 5492            | 222              |
| 45                 | 5568            | 135              | 79                 | 5497            | 237              |
| 48                 | 5491            | 144              | 81                 | 5491            | 243              |
| 52                 | 5516            | 156              | 82                 | 5541            | 246              |
| 54                 | 5503            | 162              | 89                 | 5532            | 267              |
| 56                 | 5547            | 168              | 6                  | 5538            | 18               |
| 64                 | 5543            | 192              | 12                 | 5502            | 36               |
| 70                 | 5537            | 210              | 17                 | 5514            | 51               |
| 76                 | 5510            | 228              | 28                 | 5544            | 84               |
| 77                 | 5529            | 231              | 33                 | 5558            | 99               |
| 81                 | 5505            | 243              | 34                 | 5565            | 102              |
| 99                 | 5525            | 297              | --                 | --              | --               |

結束