

## 7.4 Dynamic Frequency Selection (DFS)

### Result

### Pass

Test Specification 15.407 (h) / RSS 247 Issue 3 Section 6.3

Test Method FCC KDB Publication 905462 D02 & 905462 D03

Port of testing Conducted method

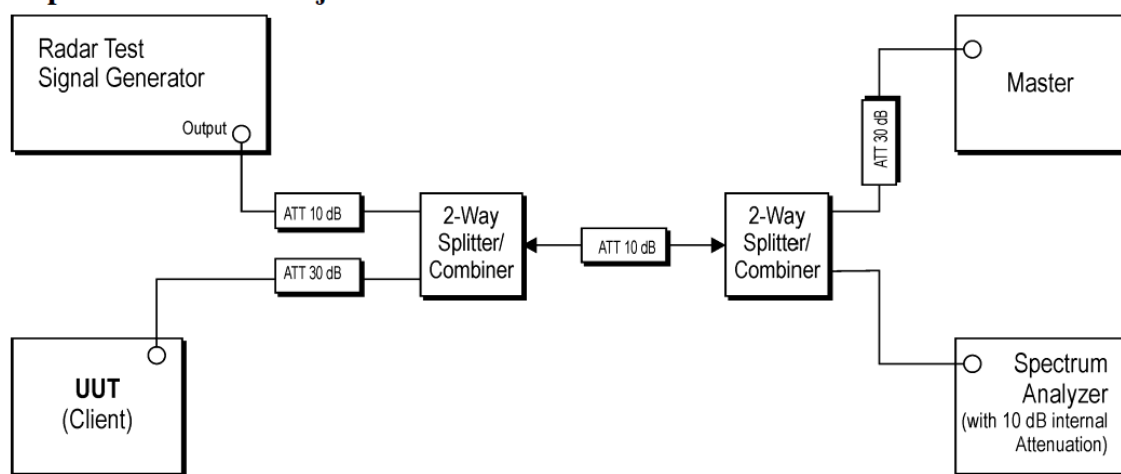
UUT Type Master

1. Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW

Requirement 2. Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands

### Test Setup :

#### Setup for Client with injection at the Master



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**Limits :**

| Applicability of DFS Requirements Prior to Use of a Channel |                  |                                |                             |
|-------------------------------------------------------------|------------------|--------------------------------|-----------------------------|
| Requirement                                                 | Operational Mode |                                |                             |
|                                                             | Master           | Client Without Radar Detection | Client With Radar Detection |
| <i>Non-Occupancy Period</i>                                 | Yes              | Not required                   | Yes                         |
| <i>DFS Detection Threshold</i>                              | Yes              | Not required                   | Yes                         |
| <i>Channel Availability Check Time</i>                      | Yes              | Not required                   | Not required                |
| <i>U-NII Detection Bandwidth</i>                            | Yes              | Not required                   | Yes                         |

**Applicability of DFS requirements during normal operation**

| Requirement                              | Operational Mode                             |                                |
|------------------------------------------|----------------------------------------------|--------------------------------|
|                                          | Master Device or Client with Radar Detection | Client Without Radar Detection |
| <i>DFS Detection Threshold</i>           | Yes                                          | Not required                   |
| <i>Channel Closing Transmission Time</i> | Yes                                          | Yes                            |
| <i>Channel Move Time</i>                 | Yes                                          | Yes                            |
| <i>U-NII Detection Bandwidth</i>         | Yes                                          | Not required                   |

The operational behavior and individual DFS requirements that are associated with these modes are as follows: as per **KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02**

| Additional requirements for devices with multiple bandwidth modes                                                                                                                                                                                                                                                                                            | Master Device or Client with Radar Detection | Client Without Radar Detection                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------------|
| <i>U-NII Detection Bandwidth and Statistical Performance Check</i>                                                                                                                                                                                                                                                                                           | All BW modes must be tested                  | Not required                                         |
| <i>Channel Move Time and Channel Closing Transmission Time</i>                                                                                                                                                                                                                                                                                               | Test using widest BW mode available          | Test using the widest BW mode available for the link |
| <i>All other tests</i>                                                                                                                                                                                                                                                                                                                                       | Any single BW mode                           | Not required                                         |
| <b>Note:</b> Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency. |                                              |                                                      |

### 5.1.1 Master Devices

- a) The *Master Device* will use DFS in order to detect *Radar Waveforms* with received signal strength above the *DFS Detection Threshold* in the 5250 – 5350 MHz and 5470 – 5725 MHz bands. DFS is not required in the 5150 – 5250 MHz or 5725 – 5825 MHz bands.
  - b) Before initiating a network on a *Channel*, the *Master Device* will perform a *Channel Availability Check* for a specified time duration (*Channel Availability Check Time*) to ensure that there is no radar system operating on the *Channel*, using DFS described under subsection a) above.
  - c) The *Master Device* initiates a U-NII network by transmitting control signals that will enable other U-NII devices to *Associate* with the *Master Device*.
  - d) During normal operation, the *Master Device* will monitor the *Channel* (*In-Service Monitoring*) to ensure that there is no radar system operating on the *Channel*, using DFS described under a).
  - e) If the *Master Device* has detected a *Radar Waveform* during *In-Service Monitoring* as described under d), the *Operating Channel* of the U-NII network is no longer an *Available Channel*. The *Master Device* will instruct all associated *Client Device(s)* to stop transmitting on this *Channel* within the *Channel Move Time*. The transmissions during the *Channel Move Time* will be limited to the *Channel Closing Transmission Time*.
- f) Once the *Master Device* has detected a *Radar Waveform* it will not utilize the *Channel* for the duration of the *Non-Occupancy Period*.<sup>3</sup>
  - g) If the *Master Device* delegates the *In-Service Monitoring* to a *Client Device*, then the combination will be tested to the requirements described under d) through f) above.

### DFS Detection Thresholds

below provides the *DFS Detection Thresholds* for *Master Devices* as well as *Client Devices* incorporating *In-Service Monitoring*.

#### DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

| Maximum Transmit Power                                                          | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                       | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                 | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the power spectral density<br>requirement | -64 dBm                          |

**Note 1:** This is the level at the input of the receiver assuming a 0 dBi receive antenna.

**Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

**Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

### Response Requirements

provides the response requirements for *Master* and *Client Devices* incorporating DFS.

#### DFS Response Requirement Values

| Parameter                                | Value                                                                                                     |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <i>Non-occupancy period</i>              | Minimum 30 minutes                                                                                        |
| <i>Channel Availability Check Time</i>   | 60 seconds                                                                                                |
| <i>Channel Move Time</i>                 | 10 seconds<br>See Note 1.                                                                                 |
| <i>Channel Closing Transmission Time</i> | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| <i>U-NII Detection Bandwidth</i>         | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.                                   |

**Note 1:** *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

**Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel move* (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

#### Note :

1. This UUT is classified as Master device capabilities, hence Channel availability check time, Non Occupancy period (*Channel Move Time* and *Channel Closing Transmission Time*), *Detection bandwidth* and *Statistical performance check* are applicable.

#### Test Condition:

##### Normal Test Condition:

Temperature (Norm) = + 22.6 °C      Voltage = 56VDC through POE Injector      Relative humidity: 62 %

##### KDB Guidelines applied:

Measurements were made following the guidelines of 905462 D02 UNII DFS Compliance.

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## 7.4.1 DFS Channel Availability check time

Test results:

Modulation 802.11ac VHT80

## Measurement Summary

| DUT Frequency (MHz) | Radar Waveform Filename used | CAC Type           | Overall Result |
|---------------------|------------------------------|--------------------|----------------|
| 5530.000000         | FCC15407_2014-Type0-18.wv    | Begin of CAC Phase | PASS           |
| 5530.000000         | FCC15407_2014-Type0-18.wv    | End of CAC Phase   | PASS           |

## Measurement Detailed Results

| DUT Frequency (MHz) | Radar Type No. | CAC Type           | Measured Startup time (s) |
|---------------------|----------------|--------------------|---------------------------|
| 5530.000000         | 0              | Begin of CAC Phase | 167.123                   |
| 5530.000000         | 0              | Begin of CAC Phase | 167.123                   |
| 5530.000000         | 0              | End of CAC Phase   | 167.123                   |
| 5530.000000         | 0              | End of CAC Phase   | 167.123                   |

(continuation of the "Measurement Detailed Results" table from column 5 ...)

| DUT Frequency (MHz) | Kind of Measurement    | Time of Tx Start (s) | Limit (s) | Result |
|---------------------|------------------------|----------------------|-----------|--------|
| 5530.000000         | Before Radar Injection | 0.000                | 0.00      | PASS   |
| 5530.000000         | After Radar Injection  | >150.0               | >150.0    | PASS   |
| 5530.000000         | Before Radar Injection | 0.000                | 0.00      | PASS   |
| 5530.000000         | After Radar Injection  | >150.0               | >150.0    | PASS   |

## Radar Pulse verification Summary

| Radar Type No. | No. of Pulses | Required No. of Pulses | Min. Pulsewidth (µs) | Max. Pulsewidth (µs) | Required Pulsewidth (µs) | Measured Min. PRI (µs) |
|----------------|---------------|------------------------|----------------------|----------------------|--------------------------|------------------------|
| 0              | 18            | 18                     | 0.900                | 1.000                | 1.000                    | 1427.900               |
| 0              | 18            | 18                     | 0.900                | 1.000                | 1.000                    | 1427.900               |

## Radar Pulse verification detail (Begin of CAC Phase)

| Radar Type No. | Pulse No. | Pulsewidth (µs) | Required Pulsewidth (µs) |
|----------------|-----------|-----------------|--------------------------|
| 0              | 1         | 0.900           | 1.000                    |
| 0              | 2         | 0.900           | 1.000                    |
| 0              | 3         | 0.900           | 1.000                    |
| 0              | 4         | 0.900           | 1.000                    |
| 0              | 5         | 1.000           | 1.000                    |
| 0              | 6         | 0.900           | 1.000                    |
| 0              | 7         | 0.900           | 1.000                    |
| 0              | 8         | 0.900           | 1.000                    |
| 0              | 9         | 1.000           | 1.000                    |
| 0              | 10        | 0.900           | 1.000                    |
| 0              | 11        | 0.900           | 1.000                    |
| 0              | 12        | 1.000           | 1.000                    |
| 0              | 13        | 0.900           | 1.000                    |
| 0              | 14        | 0.900           | 1.000                    |
| 0              | 15        | 1.000           | 1.000                    |
| 0              | 16        | 1.000           | 1.000                    |
| 0              | 17        | 0.900           | 1.000                    |
| 0              | 18        | 0.900           | 1.000                    |

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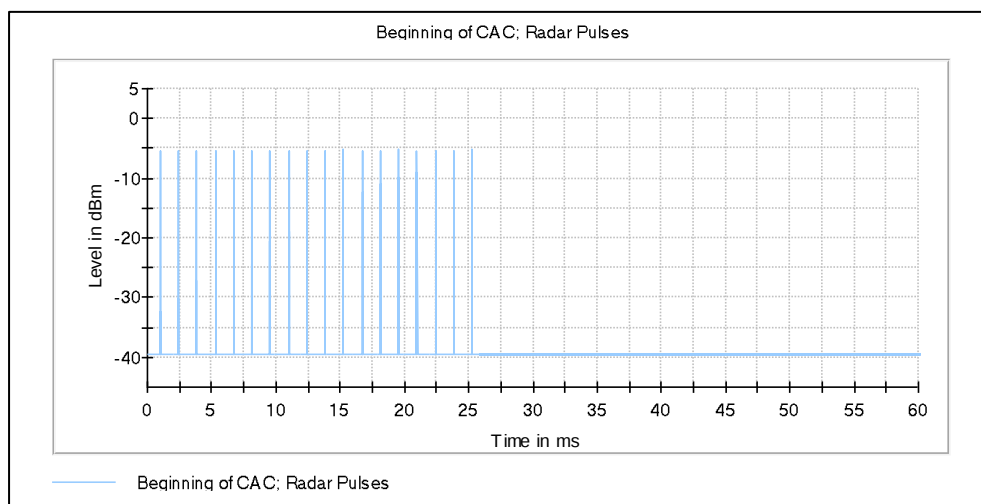
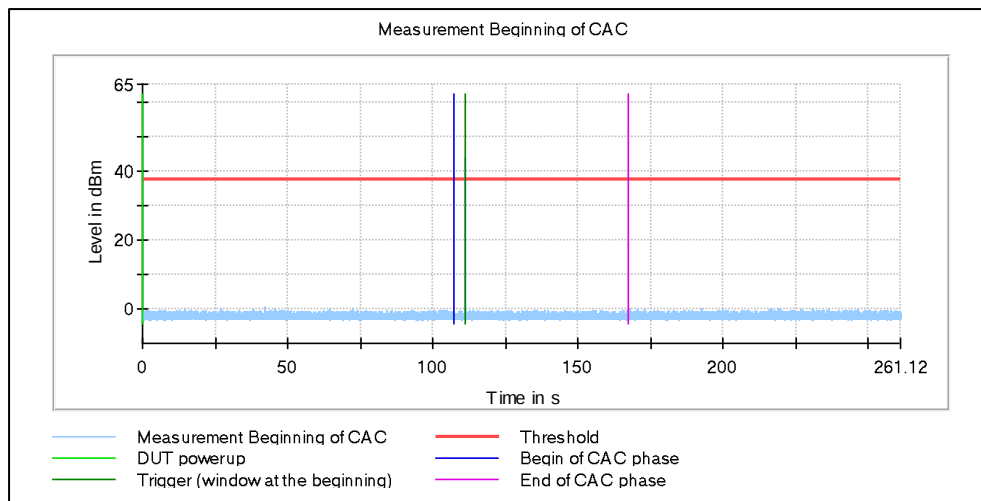
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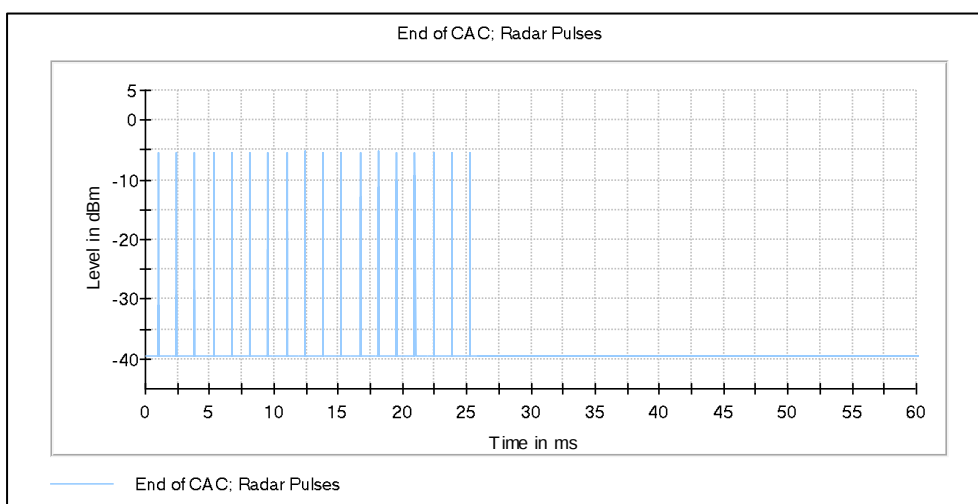
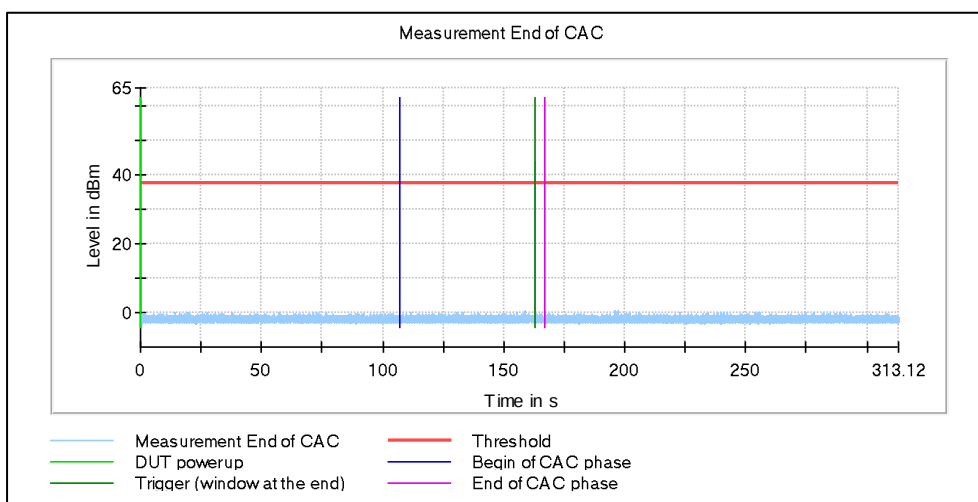
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**Radar Pulse verification detail (End of CAC Phase)**

| Radar Type No. | Pulse No. | Pulsewidth (µs) | Required Pulsewidth (µs) |
|----------------|-----------|-----------------|--------------------------|
| 0              | 1         | 1.000           | 1.000                    |
| 0              | 2         | 0.900           | 1.000                    |
| 0              | 3         | 0.900           | 1.000                    |
| 0              | 4         | 1.000           | 1.000                    |
| 0              | 5         | 1.000           | 1.000                    |
| 0              | 6         | 0.900           | 1.000                    |
| 0              | 7         | 0.900           | 1.000                    |
| 0              | 8         | 1.000           | 1.000                    |
| 0              | 9         | 1.000           | 1.000                    |
| 0              | 10        | 0.900           | 1.000                    |
| 0              | 11        | 0.900           | 1.000                    |
| 0              | 12        | 1.000           | 1.000                    |
| 0              | 13        | 0.900           | 1.000                    |
| 0              | 14        | 0.900           | 1.000                    |
| 0              | 15        | 0.900           | 1.000                    |
| 0              | 16        | 1.000           | 1.000                    |
| 0              | 17        | 0.900           | 1.000                    |
| 0              | 18        | 0.900           | 1.000                    |





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## 7.4.2 DFS Inservice Monitoring / Non-Occupancy Period

### Test Results:

**Modulation 802.11ac VHT80**

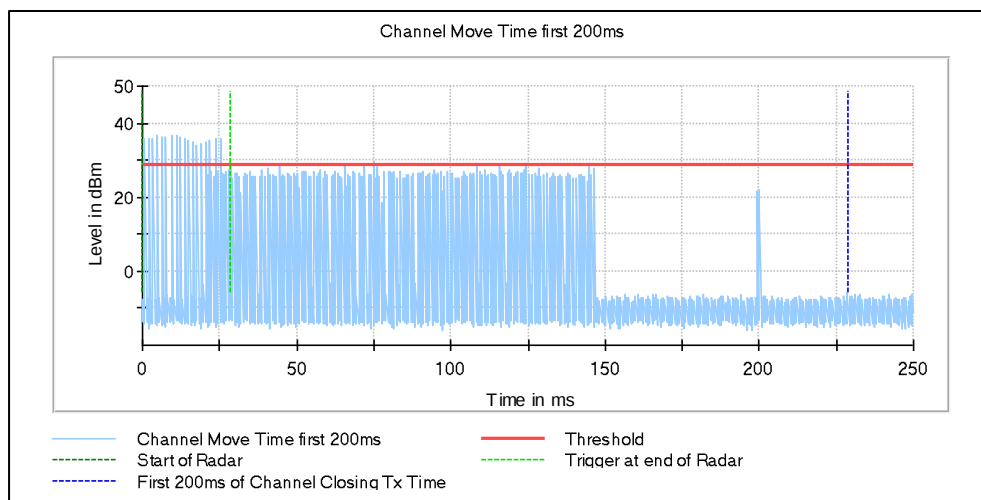
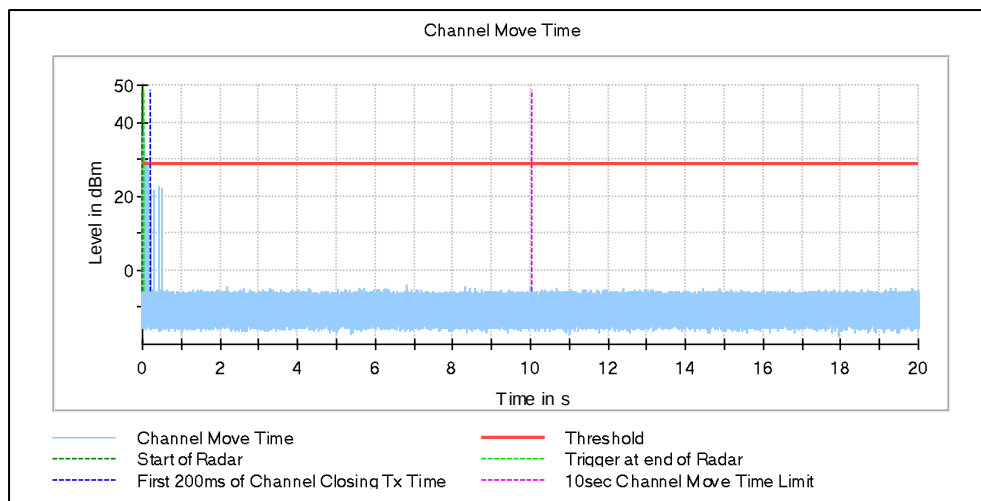
### Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Type of Measurement value         | Overall Result |
|---------------------|----------------|-----------------------------------|----------------|
| 5530.000000         | 0              | First of all Transmitt Test       | ---            |
| 5530.000000         | 0              | Channel Move Time                 | PASS           |
| 5530.000000         | 0              | Channel Closing Transmission Time | PASS           |
| 5530.000000         | 0              | Non-occupancy period              | PASS           |

### Channel Move Time Detailed Result

| DUT Frequency (MHz) | Radar Type No. | CMT Tx Time (s) | CMT Limit (s) | CMT Result |
|---------------------|----------------|-----------------|---------------|------------|
| 5530.000000         | 0              | 0.734           | 10.000        | PASS       |

| DUT Frequency (MHz) | Radar Type No. | CCTT Type of Value              | CCTT No. of Pulses found | CCTT Tx Time (ms) |
|---------------------|----------------|---------------------------------|--------------------------|-------------------|
| 5530.000000         | 0              | first 200 ms                    | 4                        | 0.032             |
| 5530.000000         | 0              | remaining 10.0 second(s) period | 6                        | 3.021             |



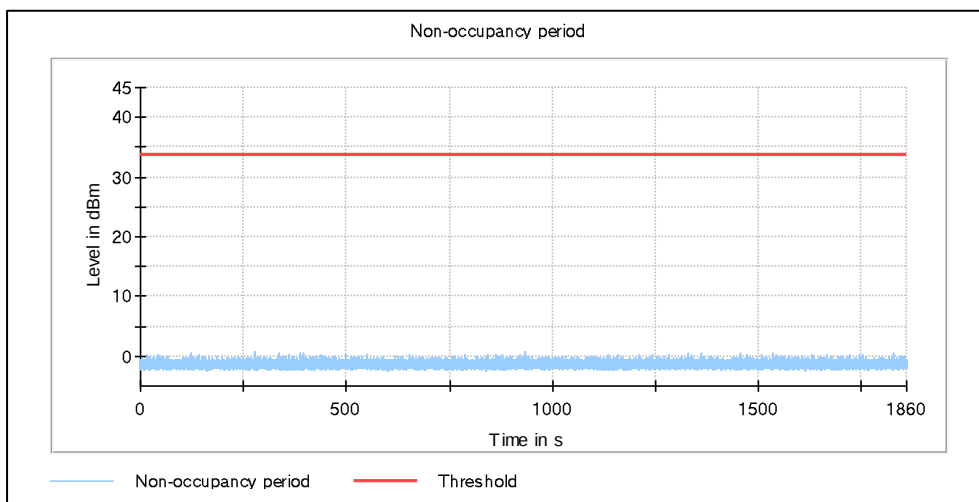
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### 7.4.3 DFS Detection Bandwidth

#### Test Results:

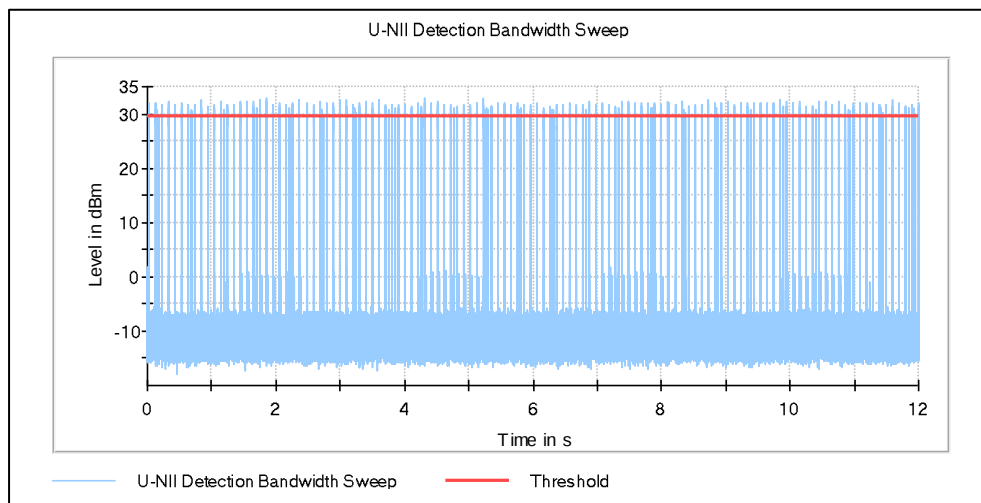
Modulation: 802.11ac VHT20MHz

#### Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Measured Detection Bandwidth (MHz) | 99% Transmission power Bandwidth (MHz) | Overall Result |
|---------------------|----------------|------------------------------------|----------------------------------------|----------------|
| 5500.000000         | 0              | 20.000000                          | 18.600000                              | PASS           |

#### Detection Bandwidth Detailed Results

| Check Frequency (MHz) | Detection count | Percentage of Detection | Minimum Limit | Single Measurement Result | Single Measurement Comment |
|-----------------------|-----------------|-------------------------|---------------|---------------------------|----------------------------|
| 5485.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5489.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5490.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Lower Limit                |
| 5495.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5500.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5505.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5510.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Upper Limit                |
| 5511.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5515.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |



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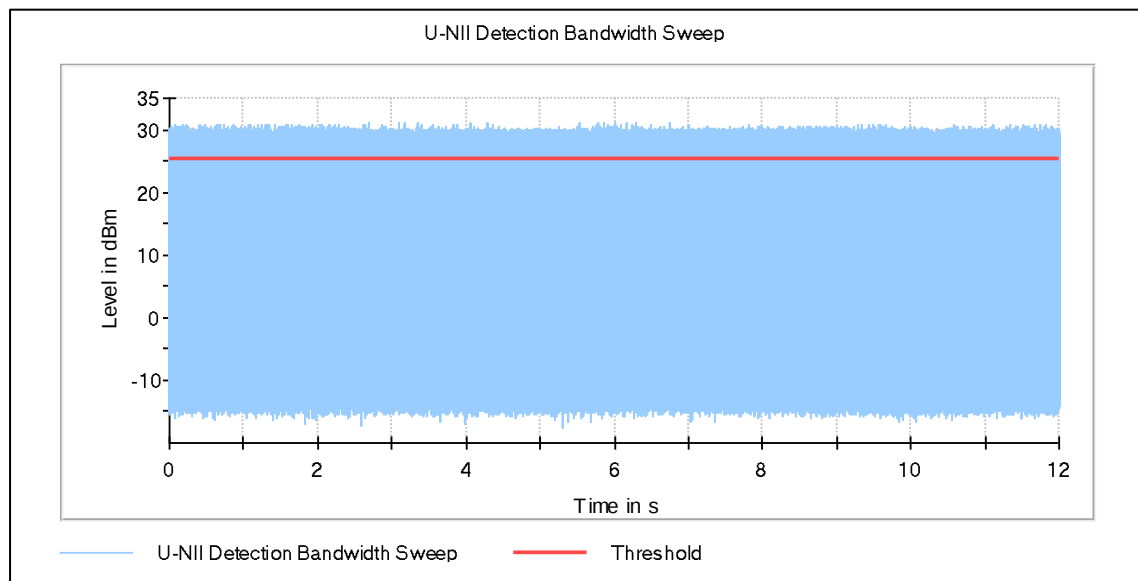
Modulation: 802.11ac VHT40MHz

## Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Measured Detection Bandwidth (MHz) | 99% Transmission power Bandwidth (MHz) | Overall Result |
|---------------------|----------------|------------------------------------|----------------------------------------|----------------|
| 5510.000000         | 0              | 40.000000                          | 36.750000                              | PASS           |

## Detection Bandwidth Detailed Results

| Check Frequency (MHz) | Detection count | Percentage of Detection | Minimum Limit | Single Measurement Result | Single Measurement Comment |
|-----------------------|-----------------|-------------------------|---------------|---------------------------|----------------------------|
| 5485.000000           | 1 of 10         | 10 %                    | 90%           | FAIL                      |                            |
| 5489.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5490.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Lower Limit                |
| 5495.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5500.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5505.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5510.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5515.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5520.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5525.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5530.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Upper Limit                |
| 5531.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5535.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |



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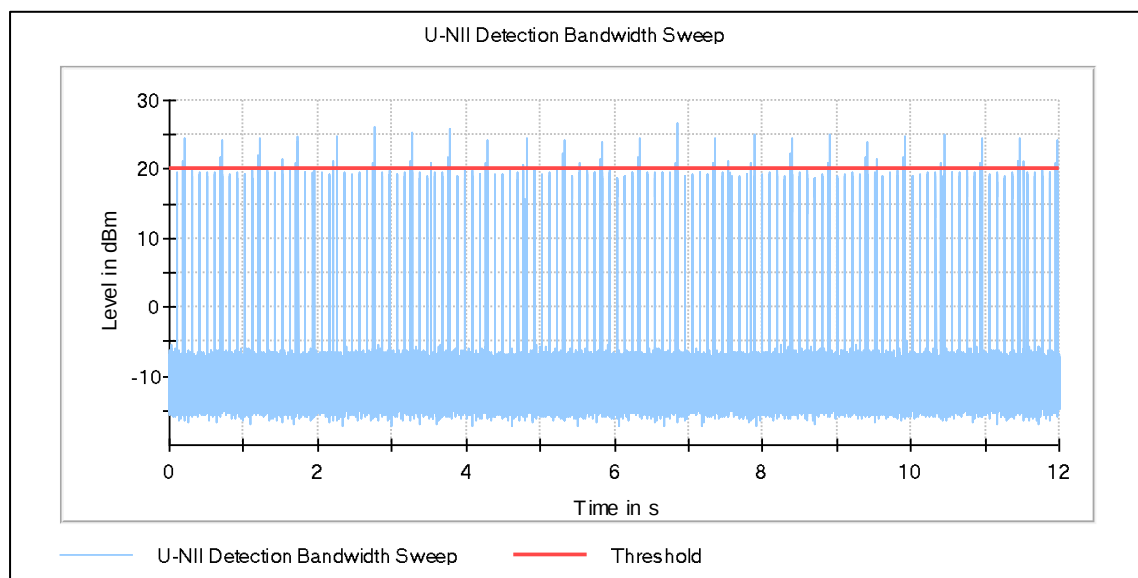
Modulation: 802.11ac VHT80MHz

## Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Measured Detection Bandwidth (MHz) | 99% Transmission power Bandwidth (MHz) | Overall Result |
|---------------------|----------------|------------------------------------|----------------------------------------|----------------|
| 5530.000000         | 0              | 80.000000                          | 75.500000                              | PASS           |

## Detection Bandwidth Detailed Results

| Check Frequency (MHz) | Detection count | Percentage of Detection | Minimum Limit | Single Measurement Result | Single Measurement Comment |
|-----------------------|-----------------|-------------------------|---------------|---------------------------|----------------------------|
| 5485.000000           | 1 of 10         | 10 %                    | 90%           | FAIL                      |                            |
| 5489.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5490.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Lower Limit                |
| 5495.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5500.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5505.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5510.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5515.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5520.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5525.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5530.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5535.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5540.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5545.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5550.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5555.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5560.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5565.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      |                            |
| 5570.000000           | 10 of 10        | 100 %                   | 90%           | PASS                      | Upper Limit                |
| 5571.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |
| 5575.000000           | 0 of 10         | 0 %                     | 90%           | FAIL                      |                            |



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## 7.4.4 Statistical Performance Check

### Test Results:

Modulation: 802.11ac VHT-20MHz

### Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Detection count | Percentage of Detection Px | Detection Limit | Overall Result |
|---------------------|----------------|-----------------|----------------------------|-----------------|----------------|
| 5500.000000         | 1              | 29 of 30        | 96.67%                     | 60.0 %          | PASS           |
| 5500.000000         | 2              | 30 of 30        | 100.00%                    | 60.0 %          | PASS           |
| 5500.000000         | 3              | 30 of 30        | 100.00%                    | 60.0 %          | PASS           |
| 5500.000000         | 4              | 30 of 30        | 100.00%                    | 60.0 %          | PASS           |
| 5500.000000         | 5              | 28 of 30        | 93.33%                     | 80.0 %          | PASS           |
| 5500.000000         | 6              | 30 of 30        | 100.00%                    | 70.0 %          | PASS           |

### Aggregate Results for Short Pulse Radar Type 1-4

| Aggregate Calculation as follows | Aggregate Percentage | Aggregate Limit | Aggregate Result |
|----------------------------------|----------------------|-----------------|------------------|
| $(P1 + P2 + P3 + P4) / 4$        | 99.17%               | 80.0 %          | PASS             |

### Detailed Results for Radar Type 1

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 2                 | 1.000            | 538.000  | 99            | YES             |
| 2            | 3                 | 1.000            | 558.000  | 95            | YES             |
| 3            | 23                | 1.000            | 3066.000 | 18            | YES             |
| 4            | 35                | 1.000            | 1596.000 | 34            | YES             |
| 5            | 22                | 1.000            | 938.000  | 57            | YES             |
| 6            | 18                | 1.000            | 858.000  | 62            | YES             |
| 7            | 13                | 1.000            | 758.000  | 70            | YES             |
| 8            | 19                | 1.000            | 878.000  | 61            | YES             |
| 9            | 28                | 1.000            | 912.000  | 58            | YES             |
| 10           | 38                | 1.000            | 1888.000 | 28            | YES             |
| 11           | 41                | 1.000            | 2181.000 | 25            | YES             |
| 12           | 26                | 1.000            | 717.000  | 74            | No              |
| 13           | 48                | 1.000            | 2864.000 | 19            | YES             |
| 14           | 46                | 1.000            | 2669.000 | 20            | YES             |
| 15           | 50                | 1.000            | 3060.000 | 18            | YES             |
| 16           | 27                | 1.000            | 815.000  | 65            | YES             |
| 17           | 44                | 1.000            | 2474.000 | 22            | YES             |
| 18           | 47                | 1.000            | 2767.000 | 20            | YES             |
| 19           | 8                 | 1.000            | 658.000  | 81            | YES             |
| 20           | 29                | 1.000            | 1010.000 | 53            | YES             |
| 21           | 9                 | 1.000            | 678.000  | 78            | YES             |
| 22           | 6                 | 1.000            | 618.000  | 86            | YES             |
| 23           | 34                | 1.000            | 1498.000 | 36            | YES             |
| 24           | 45                | 1.000            | 2572.000 | 21            | YES             |
| 25           | 30                | 1.000            | 1108.000 | 48            | YES             |
| 26           | 15                | 1.000            | 798.000  | 67            | YES             |
| 27           | 36                | 1.000            | 1693.000 | 32            | YES             |
| 28           | 42                | 1.000            | 2279.000 | 24            | YES             |
| 29           | 32                | 1.000            | 1303.000 | 41            | YES             |
| 30           | 33                | 1.000            | 1400.000 | 38            | YES             |

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## Detailed Results for Radar Type 2

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 9                 | 3.900            | 212.000  | 27            | YES             |
| 2            | 34                | 2.200            | 197.000  | 28            | YES             |
| 3            | 16                | 3.600            | 194.000  | 26            | YES             |
| 4            | 31                | 4.000            | 154.000  | 28            | YES             |
| 5            | 26                | 3.700            | 217.000  | 28            | YES             |
| 6            | 20                | 1.200            | 185.000  | 25            | YES             |
| 7            | 35                | 1.200            | 206.000  | 24            | YES             |
| 8            | 39                | 4.900            | 163.000  | 23            | YES             |
| 9            | 41                | 1.300            | 219.000  | 25            | YES             |
| 10           | 36                | 3.200            | 200.000  | 28            | YES             |
| 11           | 1                 | 3.400            | 168.000  | 25            | YES             |
| 12           | 44                | 3.500            | 167.000  | 29            | YES             |
| 13           | 23                | 3.800            | 187.000  | 28            | YES             |
| 14           | 2                 | 4.500            | 191.000  | 23            | YES             |
| 15           | 19                | 2.000            | 200.000  | 25            | YES             |
| 16           | 46                | 3.000            | 191.000  | 28            | YES             |
| 17           | 24                | 4.400            | 188.000  | 27            | YES             |
| 18           | 7                 | 1.400            | 185.000  | 27            | YES             |
| 19           | 32                | 3.700            | 222.000  | 26            | YES             |
| 20           | 27                | 2.700            | 199.000  | 29            | YES             |
| 21           | 3                 | 5.000            | 192.000  | 23            | YES             |
| 22           | 21                | 3.600            | 193.000  | 28            | YES             |
| 23           | 6                 | 3.700            | 161.000  | 26            | YES             |
| 24           | 28                | 1.700            | 216.000  | 27            | YES             |
| 25           | 17                | 4.500            | 213.000  | 23            | YES             |
| 26           | 29                | 4.100            | 189.000  | 26            | YES             |
| 27           | 25                | 4.400            | 202.000  | 24            | YES             |
| 28           | 40                | 3.600            | 230.000  | 27            | YES             |
| 29           | 45                | 3.200            | 227.000  | 29            | YES             |
| 30           | 10                | 1.200            | 175.000  | 26            | YES             |

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## Detailed Results for Radar Type 3

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 25                | 9.600            | 458.000  | 17            | YES             |
| 2            | 8                 | 7.000            | 358.000  | 17            | YES             |
| 3            | 28                | 9.800            | 316.000  | 17            | YES             |
| 4            | 5                 | 8.200            | 464.000  | 18            | YES             |
| 5            | 10                | 9.800            | 206.000  | 17            | YES             |
| 6            | 44                | 7.100            | 457.000  | 16            | YES             |
| 7            | 13                | 8.400            | 343.000  | 17            | YES             |
| 8            | 34                | 6.400            | 477.000  | 17            | YES             |
| 9            | 20                | 8.200            | 272.000  | 18            | YES             |
| 10           | 19                | 9.600            | 336.000  | 18            | YES             |
| 11           | 14                | 6.600            | 455.000  | 16            | YES             |
| 12           | 29                | 9.900            | 446.000  | 17            | YES             |
| 13           | 3                 | 9.500            | 297.000  | 16            | YES             |
| 14           | 32                | 8.700            | 356.000  | 18            | YES             |
| 15           | 21                | 8.100            | 204.000  | 17            | YES             |
| 16           | 15                | 8.100            | 436.000  | 17            | YES             |
| 17           | 33                | 9.000            | 430.000  | 18            | YES             |
| 18           | 26                | 9.200            | 497.000  | 17            | YES             |
| 19           | 9                 | 6.300            | 454.000  | 17            | YES             |
| 20           | 22                | 6.500            | 433.000  | 17            | YES             |
| 21           | 46                | 8.500            | 349.000  | 17            | YES             |
| 22           | 12                | 8.000            | 463.000  | 17            | YES             |
| 23           | 31                | 8.800            | 487.000  | 17            | YES             |
| 24           | 48                | 9.000            | 448.000  | 18            | YES             |
| 25           | 16                | 8.900            | 340.000  | 16            | YES             |
| 26           | 37                | 7.500            | 217.000  | 17            | YES             |
| 27           | 35                | 7.300            | 200.000  | 18            | YES             |
| 28           | 18                | 6.200            | 263.000  | 18            | YES             |
| 29           | 49                | 6.500            | 288.000  | 18            | YES             |
| 30           | 24                | 6.000            | 378.000  | 17            | YES             |

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## Detailed Results for Radar Type 4

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 14                | 16.600           | 212.000  | 16            | YES             |
| 2            | 12                | 16.000           | 461.000  | 13            | YES             |
| 3            | 11                | 14.900           | 223.000  | 12            | YES             |
| 4            | 16                | 19.900           | 366.000  | 14            | YES             |
| 5            | 50                | 14.400           | 286.000  | 12            | YES             |
| 6            | 40                | 13.600           | 237.000  | 15            | YES             |
| 7            | 38                | 15.500           | 451.000  | 15            | YES             |
| 8            | 9                 | 13.300           | 254.000  | 14            | YES             |
| 9            | 15                | 14.700           | 324.000  | 13            | YES             |
| 10           | 36                | 12.500           | 413.000  | 14            | YES             |
| 11           | 31                | 14.400           | 266.000  | 14            | YES             |
| 12           | 10                | 14.200           | 351.000  | 12            | YES             |
| 13           | 8                 | 14.100           | 283.000  | 15            | YES             |
| 14           | 32                | 12.600           | 293.000  | 15            | YES             |
| 15           | 7                 | 18.600           | 236.000  | 12            | YES             |
| 16           | 29                | 17.300           | 287.000  | 16            | YES             |
| 17           | 43                | 15.800           | 410.000  | 15            | YES             |
| 18           | 20                | 12.300           | 438.000  | 13            | YES             |
| 19           | 49                | 11.100           | 396.000  | 13            | YES             |
| 20           | 45                | 16.700           | 419.000  | 16            | YES             |
| 21           | 39                | 12.400           | 217.000  | 14            | YES             |
| 22           | 25                | 16.600           | 282.000  | 16            | YES             |
| 23           | 44                | 17.900           | 458.000  | 14            | YES             |
| 24           | 1                 | 15.900           | 410.000  | 13            | YES             |
| 25           | 18                | 15.600           | 420.000  | 15            | YES             |
| 26           | 26                | 18.900           | 299.000  | 16            | YES             |
| 27           | 27                | 15.600           | 303.000  | 13            | YES             |
| 28           | 23                | 18.300           | 265.000  | 14            | YES             |
| 29           | 13                | 16.000           | 485.000  | 14            | YES             |
| 30           | 35                | 12.600           | 268.000  | 13            | YES             |

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## Detailed Results for Radar Type 5

| Trial Number | Random Trial used | Pulses Detected | Comment                                                  |
|--------------|-------------------|-----------------|----------------------------------------------------------|
| 1            | 30                | YES             | For detailed burst Data see separate table Type5_Trial1  |
| 2            | 11                | YES             | For detailed burst Data see separate table Type5_Trial2  |
| 3            | 16                | YES             | For detailed burst Data see separate table Type5_Trial3  |
| 4            | 48                | YES             | For detailed burst Data see separate table Type5_Trial4  |
| 5            | 1                 | YES             | For detailed burst Data see separate table Type5_Trial5  |
| 6            | 39                | YES             | For detailed burst Data see separate table Type5_Trial6  |
| 7            | 35                | YES             | For detailed burst Data see separate table Type5_Trial7  |
| 8            | 23                | YES             | For detailed burst Data see separate table Type5_Trial8  |
| 9            | 20                | YES             | For detailed burst Data see separate table Type5_Trial9  |
| 10           | 37                | YES             | For detailed burst Data see separate table Type5_Trial10 |
| 11           | 10                | YES             | For detailed burst Data see separate table Type5_Trial11 |
| 12           | 21                | YES             | For detailed burst Data see separate table Type5_Trial12 |
| 13           | 26                | YES             | For detailed burst Data see separate table Type5_Trial13 |
| 14           | 45                | YES             | For detailed burst Data see separate table Type5_Trial14 |
| 15           | 15                | YES             | For detailed burst Data see separate table Type5_Trial15 |
| 16           | 41                | No              | For detailed burst Data see separate table Type5_Trial16 |
| 17           | 17                | YES             | For detailed burst Data see separate table Type5_Trial17 |
| 18           | 22                | No              | For detailed burst Data see separate table Type5_Trial18 |
| 19           | 46                | YES             | For detailed burst Data see separate table Type5_Trial19 |
| 20           | 40                | YES             | For detailed burst Data see separate table Type5_Trial20 |
| 21           | 32                | YES             | For detailed burst Data see separate table Type5_Trial21 |
| 22           | 38                | YES             | For detailed burst Data see separate table Type5_Trial22 |
| 23           | 3                 | YES             | For detailed burst Data see separate table Type5_Trial23 |
| 24           | 6                 | YES             | For detailed burst Data see separate table Type5_Trial24 |
| 25           | 34                | YES             | For detailed burst Data see separate table Type5_Trial25 |
| 26           | 13                | YES             | For detailed burst Data see separate table Type5_Trial26 |
| 27           | 31                | YES             | For detailed burst Data see separate table Type5_Trial27 |
| 28           | 50                | YES             | For detailed burst Data see separate table Type5_Trial28 |
| 29           | 7                 | YES             | For detailed burst Data see separate table Type5_Trial29 |
| 30           | 42                | YES             | For detailed burst Data see separate table Type5_Trial30 |

## Detailed Results for Radar Type 5\_Trial 1

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 77.900           | 16.000000         | 1250.000                  | ---                       | 478.000                                |
| 2     | 2             | 69.500           | 16.000000         | 1007.000                  | ---                       | 962.000                                |
| 3     | 2             | 74.500           | 16.000000         | 1631.000                  | ---                       | 657.000                                |
| 4     | 1             | 93.900           | 16.000000         | ---                       | ---                       | 564.000                                |
| 5     | 2             | 55.400           | 16.000000         | 949.000                   | ---                       | 59.000                                 |
| 6     | 3             | 50.400           | 16.000000         | 1162.000                  | 1396.000                  | 565.000                                |
| 7     | 1             | 68.600           | 16.000000         | ---                       | ---                       | 732.000                                |
| 8     | 3             | 88.700           | 16.000000         | 1750.000                  | 1835.000                  | 872.000                                |
| 9     | 2             | 54.900           | 16.000000         | 1869.000                  | ---                       | 32.000                                 |
| 10    | 3             | 51.000           | 16.000000         | 970.000                   | 1344.000                  | 750.000                                |
| 11    | 3             | 86.500           | 16.000000         | 1599.000                  | 1682.000                  | 364.000                                |

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## Detailed Results for Radar Type 5\_Trial 2

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 61.700           | 11.000000         | 1264.000                  | 1572.000                  | 640.000                                |
| 2     | 3             | 82.600           | 11.000000         | 923.000                   | 1387.000                  | 439.000                                |
| 3     | 2             | 74.800           | 11.000000         | 1230.000                  | ---                       | 16.000                                 |
| 4     | 2             | 77.700           | 11.000000         | 1544.000                  | ---                       | 613.000                                |
| 5     | 1             | 80.400           | 11.000000         | ---                       | ---                       | 213.000                                |
| 6     | 3             | 88.700           | 11.000000         | 1316.000                  | 1461.000                  | 568.000                                |
| 7     | 3             | 78.100           | 11.000000         | 1065.000                  | 1167.000                  | 387.000                                |
| 8     | 2             | 56.600           | 11.000000         | 1454.000                  | ---                       | 647.000                                |
| 9     | 1             | 63.600           | 11.000000         | ---                       | ---                       | 285.000                                |
| 10    | 2             | 73.100           | 11.000000         | 1369.000                  | ---                       | 189.000                                |
| 11    | 2             | 67.900           | 11.000000         | 994.000                   | ---                       | 165.000                                |
| 12    | 2             | 76.500           | 11.000000         | 1164.000                  | ---                       | 480.000                                |
| 13    | 1             | 63.700           | 11.000000         | ---                       | ---                       | 28.000                                 |
| 14    | 2             | 70.100           | 11.000000         | 1823.000                  | ---                       | 516.000                                |
| 15    | 2             | 90.400           | 11.000000         | 1694.000                  | ---                       | 561.000                                |
| 16    | 2             | 87.700           | 11.000000         | 1528.000                  | ---                       | 420.000                                |
| 17    | 3             | 77.700           | 11.000000         | 1339.000                  | 1407.000                  | 61.000                                 |
| 18    | 1             | 81.300           | 11.000000         | ---                       | ---                       | 67.000                                 |

## Detailed Results for Radar Type 5\_Trial 3

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 53.400           | 13.000000         | 1343.000                  | 1742.000                  | 651.000                                |
| 2     | 1             | 57.300           | 13.000000         | ---                       | ---                       | 857.000                                |
| 3     | 1             | 61.900           | 13.000000         | ---                       | ---                       | 567.000                                |
| 4     | 3             | 60.500           | 13.000000         | 1355.000                  | 1499.000                  | 847.000                                |
| 5     | 1             | 62.000           | 13.000000         | ---                       | ---                       | 1014.000                               |
| 6     | 2             | 94.800           | 13.000000         | 1584.000                  | ---                       | 512.000                                |
| 7     | 1             | 64.300           | 13.000000         | ---                       | ---                       | 992.000                                |
| 8     | 3             | 93.200           | 13.000000         | 1157.000                  | 1861.000                  | 285.000                                |
| 9     | 3             | 56.000           | 13.000000         | 1813.000                  | 1900.000                  | 1189.000                               |
| 10    | 2             | 79.100           | 13.000000         | 1234.000                  | ---                       | 1006.000                               |

## Detailed Results for Radar Type 5\_Trial 4

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 97.900           | 7.000000          | 1124.000                  | ---                       | 368.000                                |
| 2     | 2             | 94.200           | 7.000000          | 1097.000                  | ---                       | 363.000                                |
| 3     | 2             | 95.600           | 7.000000          | 1706.000                  | ---                       | 338.000                                |
| 4     | 3             | 60.700           | 7.000000          | 1726.000                  | 1788.000                  | 628.000                                |
| 5     | 2             | 79.600           | 7.000000          | 921.000                   | ---                       | 352.000                                |
| 6     | 2             | 55.700           | 7.000000          | 1463.000                  | ---                       | 71.000                                 |
| 7     | 2             | 92.300           | 7.000000          | 1486.000                  | ---                       | 208.000                                |
| 8     | 3             | 59.600           | 7.000000          | 1550.000                  | 1830.000                  | 605.000                                |
| 9     | 2             | 95.900           | 7.000000          | 1529.000                  | ---                       | 727.000                                |
| 10    | 2             | 87.500           | 7.000000          | 1521.000                  | ---                       | 637.000                                |
| 11    | 3             | 81.100           | 7.000000          | 961.000                   | 1815.000                  | 593.000                                |
| 12    | 3             | 93.000           | 7.000000          | 1246.000                  | 1717.000                  | 400.000                                |
| 13    | 3             | 62.500           | 7.000000          | 1219.000                  | 1563.000                  | 742.000                                |
| 14    | 1             | 70.400           | 7.000000          | ---                       | ---                       | 627.000                                |
| 15    | 2             | 63.400           | 7.000000          | 1345.000                  | ---                       | 439.000                                |
| 16    | 1             | 78.000           | 7.000000          | ---                       | ---                       | 663.000                                |

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## Detailed Results for Radar Type 5\_Trial 5

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 97.300           | 12.000000         | 1764.000                  | 1049.000                  | 85.000                                 |
| 2     | 1             | 83.400           | 12.000000         | ---                       | ---                       | 882.000                                |
| 3     | 1             | 94.700           | 12.000000         | ---                       | ---                       | 903.000                                |
| 4     | 2             | 60.100           | 12.000000         | 1023.000                  | ---                       | 878.000                                |
| 5     | 2             | 54.600           | 12.000000         | 1385.000                  | ---                       | 1271.000                               |
| 6     | 3             | 88.100           | 12.000000         | 1088.000                  | 1048.000                  | 932.000                                |
| 7     | 3             | 90.200           | 12.000000         | 1799.000                  | 1142.000                  | 226.000                                |
| 8     | 3             | 63.400           | 12.000000         | 1149.000                  | 971.000                   | 1426.000                               |

## Detailed Results for Radar Type 5\_Trial 6

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 70.600           | 15.000000         | ---                       | ---                       | 302.000                                |
| 2     | 1             | 74.700           | 15.000000         | ---                       | ---                       | 299.000                                |
| 3     | 1             | 63.600           | 15.000000         | ---                       | ---                       | 82.000                                 |
| 4     | 2             | 52.100           | 15.000000         | 1812.000                  | ---                       | 536.000                                |
| 5     | 1             | 97.500           | 15.000000         | ---                       | ---                       | 395.000                                |
| 6     | 2             | 96.300           | 15.000000         | 1335.000                  | ---                       | 250.000                                |
| 7     | 3             | 70.800           | 15.000000         | 1052.000                  | 1243.000                  | 462.000                                |
| 8     | 3             | 59.600           | 15.000000         | 1059.000                  | 1550.000                  | 477.000                                |
| 9     | 3             | 99.200           | 15.000000         | 1633.000                  | 1572.000                  | 254.000                                |
| 10    | 1             | 53.300           | 15.000000         | ---                       | ---                       | 33.000                                 |
| 11    | 3             | 98.600           | 15.000000         | 1526.000                  | 1428.000                  | 564.000                                |
| 12    | 3             | 89.300           | 15.000000         | 1017.000                  | 1662.000                  | 221.000                                |
| 13    | 1             | 62.700           | 15.000000         | ---                       | ---                       | 248.000                                |
| 14    | 2             | 70.400           | 15.000000         | 1855.000                  | ---                       | 232.000                                |
| 15    | 3             | 61.400           | 15.000000         | 1444.000                  | 1073.000                  | 470.000                                |
| 16    | 1             | 76.000           | 15.000000         | ---                       | ---                       | 441.000                                |
| 17    | 2             | 90.800           | 15.000000         | 1164.000                  | ---                       | 195.000                                |
| 18    | 3             | 65.200           | 15.000000         | 1246.000                  | 1582.000                  | 246.000                                |
| 19    | 3             | 74.700           | 15.000000         | 928.000                   | 1671.000                  | 194.000                                |
| 20    | 2             | 75.100           | 15.000000         | 989.000                   | ---                       | 83.000                                 |

## Detailed Results for Radar Type 5\_Trial 7

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 52.100           | 18.000000         | 1215.000                  | ---                       | 17.000                                 |
| 2     | 3             | 99.800           | 18.000000         | 1736.000                  | 1673.000                  | 148.000                                |
| 3     | 2             | 53.200           | 18.000000         | 1233.000                  | ---                       | 12.000                                 |
| 4     | 1             | 87.200           | 18.000000         | ---                       | ---                       | 540.000                                |
| 5     | 2             | 75.200           | 18.000000         | 975.000                   | ---                       | 618.000                                |
| 6     | 3             | 63.600           | 18.000000         | 1614.000                  | 1448.000                  | 732.000                                |
| 7     | 2             | 61.200           | 18.000000         | 1118.000                  | ---                       | 137.000                                |
| 8     | 2             | 86.400           | 18.000000         | 1014.000                  | ---                       | 331.000                                |
| 9     | 2             | 79.400           | 18.000000         | 1910.000                  | ---                       | 737.000                                |
| 10    | 2             | 84.300           | 18.000000         | 1126.000                  | ---                       | 48.000                                 |
| 11    | 2             | 81.500           | 18.000000         | 1345.000                  | ---                       | 288.000                                |
| 12    | 3             | 81.300           | 18.000000         | 1810.000                  | 952.000                   | 529.000                                |
| 13    | 2             | 94.900           | 18.000000         | 1306.000                  | ---                       | 612.000                                |
| 14    | 3             | 69.600           | 18.000000         | 1632.000                  | 1730.000                  | 692.000                                |
| 15    | 3             | 73.300           | 18.000000         | 1015.000                  | 1552.000                  | 317.000                                |
| 16    | 3             | 93.100           | 18.000000         | 1179.000                  | 1533.000                  | 7.000                                  |

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## Detailed Results for Radar Type 5\_Trial 8

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 51.000           | 9.000000          | 1731.000                  | ---                       | 259.000                                |
| 2     | 2             | 69.300           | 9.000000          | 1762.000                  | ---                       | 617.000                                |
| 3     | 1             | 94.600           | 9.000000          | ---                       | ---                       | 379.000                                |
| 4     | 2             | 65.100           | 9.000000          | 1536.000                  | ---                       | 103.000                                |
| 5     | 3             | 51.100           | 9.000000          | 1546.000                  | 1400.000                  | 650.000                                |
| 6     | 2             | 86.100           | 9.000000          | 1619.000                  | ---                       | 221.000                                |
| 7     | 1             | 80.000           | 9.000000          | ---                       | ---                       | 44.000                                 |
| 8     | 1             | 60.800           | 9.000000          | ---                       | ---                       | 384.000                                |
| 9     | 3             | 56.200           | 9.000000          | 1627.000                  | 1397.000                  | 126.000                                |
| 10    | 1             | 99.700           | 9.000000          | ---                       | ---                       | 20.000                                 |
| 11    | 1             | 84.000           | 9.000000          | ---                       | ---                       | 411.000                                |
| 12    | 3             | 83.100           | 9.000000          | 1223.000                  | 1586.000                  | 232.000                                |
| 13    | 1             | 50.900           | 9.000000          | ---                       | ---                       | 179.000                                |
| 14    | 1             | 53.200           | 9.000000          | ---                       | ---                       | 48.000                                 |
| 15    | 2             | 71.800           | 9.000000          | 1079.000                  | ---                       | 692.000                                |
| 16    | 2             | 66.300           | 9.000000          | 1893.000                  | ---                       | 503.000                                |
| 17    | 2             | 51.200           | 9.000000          | 1362.000                  | ---                       | 455.000                                |

## Detailed Results for Radar Type 5\_Trial 9

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 69.000           | 7.000000          | 1220.000                  | ---                       | 20.000                                 |
| 2     | 3             | 88.500           | 7.000000          | 1376.000                  | 1096.000                  | 45.000                                 |
| 3     | 2             | 56.300           | 7.000000          | 1207.000                  | ---                       | 779.000                                |
| 4     | 2             | 88.800           | 7.000000          | 1793.000                  | ---                       | 532.000                                |
| 5     | 1             | 78.600           | 7.000000          | ---                       | ---                       | 577.000                                |
| 6     | 2             | 82.300           | 7.000000          | 1534.000                  | ---                       | 549.000                                |
| 7     | 1             | 71.700           | 7.000000          | ---                       | ---                       | 612.000                                |
| 8     | 2             | 52.800           | 7.000000          | 1891.000                  | ---                       | 631.000                                |
| 9     | 1             | 66.100           | 7.000000          | ---                       | ---                       | 166.000                                |
| 10    | 2             | 72.800           | 7.000000          | 1460.000                  | ---                       | 381.000                                |
| 11    | 2             | 82.900           | 7.000000          | 1293.000                  | ---                       | 451.000                                |
| 12    | 3             | 72.300           | 7.000000          | 1224.000                  | 1577.000                  | 61.000                                 |
| 13    | 2             | 91.900           | 7.000000          | 1281.000                  | ---                       | 619.000                                |
| 14    | 3             | 82.400           | 7.000000          | 1570.000                  | 1469.000                  | 99.000                                 |

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## Detailed Results for Radar Type 5\_Trial 10

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 84.500           | 5.000000          | ---                       | ---                       | 77.000                                 |
| 2     | 2             | 85.100           | 5.000000          | 1049.000                  | ---                       | 561.000                                |
| 3     | 2             | 77.500           | 5.000000          | 1012.000                  | ---                       | 322.000                                |
| 4     | 2             | 95.300           | 5.000000          | 1524.000                  | ---                       | 591.000                                |
| 5     | 2             | 69.000           | 5.000000          | 1447.000                  | ---                       | 479.000                                |
| 6     | 2             | 65.200           | 5.000000          | 1574.000                  | ---                       | 177.000                                |
| 7     | 3             | 77.400           | 5.000000          | 1446.000                  | 1628.000                  | 4.000                                  |
| 8     | 2             | 58.000           | 5.000000          | 1737.000                  | ---                       | 631.000                                |
| 9     | 3             | 58.500           | 5.000000          | 1714.000                  | 1626.000                  | 330.000                                |
| 10    | 1             | 98.600           | 5.000000          | ---                       | ---                       | 508.000                                |
| 11    | 1             | 73.900           | 5.000000          | ---                       | ---                       | 27.000                                 |
| 12    | 1             | 67.700           | 5.000000          | ---                       | ---                       | 157.000                                |
| 13    | 1             | 99.000           | 5.000000          | ---                       | ---                       | 313.000                                |
| 14    | 2             | 76.800           | 5.000000          | 1232.000                  | ---                       | 429.000                                |
| 15    | 2             | 89.900           | 5.000000          | 1618.000                  | ---                       | 574.000                                |
| 16    | 3             | 88.000           | 5.000000          | 1587.000                  | 1221.000                  | 326.000                                |
| 17    | 1             | 55.100           | 5.000000          | ---                       | ---                       | 550.000                                |
| 18    | 3             | 93.900           | 5.000000          | 930.000                   | 1084.000                  | 275.000                                |

## Detailed Results for Radar Type 5\_Trial 11

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 64.900           | 8.000000          | 1505.000                  | 942.000                   | 403.000                                |
| 2     | 2             | 74.300           | 8.000000          | 1789.000                  | ---                       | 177.000                                |
| 3     | 3             | 70.800           | 8.000000          | 1084.000                  | 1077.000                  | 477.000                                |
| 4     | 2             | 89.800           | 8.000000          | 1727.000                  | ---                       | 39.000                                 |
| 5     | 2             | 93.800           | 8.000000          | 1220.000                  | ---                       | 581.000                                |
| 6     | 3             | 71.300           | 8.000000          | 1699.000                  | 1079.000                  | 519.000                                |
| 7     | 2             | 73.200           | 8.000000          | 1306.000                  | ---                       | 9.000                                  |
| 8     | 2             | 78.200           | 8.000000          | 1010.000                  | ---                       | 72.000                                 |
| 9     | 3             | 65.600           | 8.000000          | 1443.000                  | 1201.000                  | 152.000                                |
| 10    | 2             | 80.300           | 8.000000          | 1521.000                  | ---                       | 187.000                                |
| 11    | 1             | 53.000           | 8.000000          | ---                       | ---                       | 669.000                                |
| 12    | 2             | 97.600           | 8.000000          | 1808.000                  | ---                       | 558.000                                |
| 13    | 2             | 69.000           | 8.000000          | 1583.000                  | ---                       | 502.000                                |
| 14    | 3             | 98.300           | 8.000000          | 1282.000                  | 1548.000                  | 356.000                                |
| 15    | 3             | 58.000           | 8.000000          | 1058.000                  | 1448.000                  | 179.000                                |
| 16    | 2             | 53.300           | 8.000000          | 993.000                   | ---                       | 253.000                                |
| 17    | 2             | 78.600           | 8.000000          | 1265.000                  | ---                       | 413.000                                |

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## Detailed Results for Radar Type 5\_Trial 12

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 66.400           | 15.000000         | 1599.000                  | 1875.000                  | 190.000                                |
| 2     | 1             | 73.600           | 15.000000         | ---                       | ---                       | 165.000                                |
| 3     | 2             | 55.200           | 15.000000         | 1726.000                  | ---                       | 332.000                                |
| 4     | 2             | 62.700           | 15.000000         | 1752.000                  | ---                       | 117.000                                |
| 5     | 3             | 50.600           | 15.000000         | 1523.000                  | 1052.000                  | 572.000                                |
| 6     | 2             | 57.800           | 15.000000         | 944.000                   | ---                       | 746.000                                |
| 7     | 3             | 98.000           | 15.000000         | 1343.000                  | 1215.000                  | 147.000                                |
| 8     | 2             | 82.800           | 15.000000         | 1182.000                  | ---                       | 30.000                                 |
| 9     | 2             | 62.900           | 15.000000         | 1549.000                  | ---                       | 395.000                                |
| 10    | 2             | 50.700           | 15.000000         | 1196.000                  | ---                       | 333.000                                |
| 11    | 3             | 69.200           | 15.000000         | 1106.000                  | 1036.000                  | 388.000                                |
| 12    | 3             | 60.900           | 15.000000         | 1175.000                  | 1183.000                  | 612.000                                |
| 13    | 2             | 78.500           | 15.000000         | 1908.000                  | ---                       | 125.000                                |
| 14    | 2             | 67.800           | 15.000000         | 1667.000                  | ---                       | 502.000                                |
| 15    | 2             | 58.000           | 15.000000         | 1869.000                  | ---                       | 224.000                                |

## Detailed Results for Radar Type 5\_Trial 13

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 56.900           | 7.000000          | 1444.000                  | 967.000                   | 453.000                                |
| 2     | 3             | 59.600           | 7.000000          | 1787.000                  | 1144.000                  | 206.000                                |
| 3     | 3             | 95.100           | 7.000000          | 1708.000                  | 1109.000                  | 579.000                                |
| 4     | 1             | 90.100           | 7.000000          | ---                       | ---                       | 554.000                                |
| 5     | 1             | 81.600           | 7.000000          | ---                       | ---                       | 140.000                                |
| 6     | 2             | 78.100           | 7.000000          | 1096.000                  | ---                       | 407.000                                |
| 7     | 1             | 99.000           | 7.000000          | ---                       | ---                       | 350.000                                |
| 8     | 3             | 81.300           | 7.000000          | 1461.000                  | 1547.000                  | 552.000                                |
| 9     | 2             | 54.900           | 7.000000          | 1737.000                  | ---                       | 501.000                                |
| 10    | 2             | 54.200           | 7.000000          | 1388.000                  | ---                       | 121.000                                |
| 11    | 2             | 86.200           | 7.000000          | 971.000                   | ---                       | 397.000                                |
| 12    | 2             | 79.100           | 7.000000          | 1117.000                  | ---                       | 318.000                                |
| 13    | 2             | 55.200           | 7.000000          | 1399.000                  | ---                       | 427.000                                |
| 14    | 1             | 57.800           | 7.000000          | ---                       | ---                       | 441.000                                |
| 15    | 2             | 56.500           | 7.000000          | 1323.000                  | ---                       | 397.000                                |
| 16    | 1             | 57.200           | 7.000000          | ---                       | ---                       | 435.000                                |
| 17    | 2             | 71.400           | 7.000000          | 989.000                   | ---                       | 500.000                                |
| 18    | 2             | 75.000           | 7.000000          | 1489.000                  | ---                       | 16.000                                 |
| 19    | 1             | 94.000           | 7.000000          | ---                       | ---                       | 44.000                                 |
| 20    | 3             | 72.700           | 7.000000          | 1153.000                  | 1688.000                  | 262.000                                |

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## Detailed Results for Radar Type 5\_Trial 14

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 52.400           | 9.000000          | 974.000                   | ---                       | 609.000                                |
| 2     | 2             | 55.800           | 9.000000          | 1319.000                  | ---                       | 738.000                                |
| 3     | 2             | 58.000           | 9.000000          | 1056.000                  | ---                       | 899.000                                |
| 4     | 2             | 50.700           | 9.000000          | 975.000                   | ---                       | 575.000                                |
| 5     | 1             | 54.600           | 9.000000          | ---                       | ---                       | 73.000                                 |
| 6     | 2             | 82.900           | 9.000000          | 1205.000                  | ---                       | 107.000                                |
| 7     | 2             | 51.100           | 9.000000          | 991.000                   | ---                       | 451.000                                |
| 8     | 2             | 94.700           | 9.000000          | 1862.000                  | ---                       | 331.000                                |
| 9     | 2             | 65.500           | 9.000000          | 1034.000                  | ---                       | 871.000                                |
| 10    | 2             | 62.000           | 9.000000          | 1226.000                  | ---                       | 12.000                                 |
| 11    | 3             | 65.600           | 9.000000          | 1015.000                  | 1040.000                  | 157.000                                |
| 12    | 2             | 54.800           | 9.000000          | 1350.000                  | ---                       | 641.000                                |
| 13    | 2             | 68.900           | 9.000000          | 1496.000                  | ---                       | 791.000                                |

## Detailed Results for Radar Type 5\_Trial 15

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 50.800           | 18.000000         | 1595.000                  | ---                       | 21.000                                 |
| 2     | 2             | 52.000           | 18.000000         | 1563.000                  | ---                       | 729.000                                |
| 3     | 2             | 58.800           | 18.000000         | 1384.000                  | ---                       | 15.000                                 |
| 4     | 2             | 79.700           | 18.000000         | 979.000                   | ---                       | 261.000                                |
| 5     | 1             | 69.500           | 18.000000         | ---                       | ---                       | 533.000                                |
| 6     | 2             | 98.900           | 18.000000         | 1015.000                  | ---                       | 493.000                                |
| 7     | 2             | 82.800           | 18.000000         | 1634.000                  | ---                       | 218.000                                |
| 8     | 1             | 70.100           | 18.000000         | ---                       | ---                       | 1102.000                               |
| 9     | 2             | 89.200           | 18.000000         | 1357.000                  | ---                       | 524.000                                |

## Detailed Results for Radar Type 5\_Trial 16

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 69.200           | 20.000000         | 1589.000                  | ---                       | 608.000                                |
| 2     | 2             | 96.300           | 20.000000         | 1096.000                  | ---                       | 1107.000                               |
| 3     | 2             | 65.100           | 20.000000         | 973.000                   | ---                       | 1251.000                               |
| 4     | 3             | 82.700           | 20.000000         | 1229.000                  | 1116.000                  | 442.000                                |
| 5     | 1             | 86.700           | 20.000000         | ---                       | ---                       | 528.000                                |
| 6     | 1             | 50.500           | 20.000000         | ---                       | ---                       | 261.000                                |
| 7     | 2             | 74.700           | 20.000000         | 1296.000                  | ---                       | 317.000                                |
| 8     | 1             | 58.000           | 20.000000         | ---                       | ---                       | 131.000                                |
| 9     | 3             | 82.600           | 20.000000         | 1463.000                  | 985.000                   | 1132.000                               |

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## Detailed Results for Radar Type 5\_Trial 17

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 93.100           | 11.000000         | ---                       | ---                       | 422.000                                |
| 2     | 3             | 61.300           | 11.000000         | 1194.000                  | 1086.000                  | 738.000                                |
| 3     | 3             | 57.000           | 11.000000         | 1918.000                  | 1102.000                  | 523.000                                |
| 4     | 3             | 91.800           | 11.000000         | 1588.000                  | 1798.000                  | 874.000                                |
| 5     | 3             | 88.600           | 11.000000         | 1491.000                  | 1061.000                  | 748.000                                |
| 6     | 3             | 62.400           | 11.000000         | 1019.000                  | 1144.000                  | 525.000                                |
| 7     | 3             | 88.000           | 11.000000         | 1259.000                  | 1713.000                  | 641.000                                |
| 8     | 2             | 77.700           | 11.000000         | 1025.000                  | ---                       | 383.000                                |
| 9     | 1             | 51.800           | 11.000000         | ---                       | ---                       | 554.000                                |
| 10    | 1             | 55.900           | 11.000000         | ---                       | ---                       | 939.000                                |
| 11    | 3             | 63.700           | 11.000000         | 1503.000                  | 1789.000                  | 182.000                                |

## Detailed Results for Radar Type 5\_Trial 18

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 66.600           | 20.000000         | ---                       | ---                       | 330.000                                |
| 2     | 1             | 74.500           | 20.000000         | ---                       | ---                       | 248.000                                |
| 3     | 2             | 68.200           | 20.000000         | 1149.000                  | ---                       | 80.000                                 |
| 4     | 2             | 70.100           | 20.000000         | 1849.000                  | ---                       | 536.000                                |
| 5     | 3             | 65.800           | 20.000000         | 1316.000                  | 1180.000                  | 623.000                                |
| 6     | 3             | 82.100           | 20.000000         | 1690.000                  | 1661.000                  | 503.000                                |
| 7     | 2             | 95.900           | 20.000000         | 1840.000                  | ---                       | 687.000                                |
| 8     | 1             | 51.100           | 20.000000         | ---                       | ---                       | 107.000                                |
| 9     | 2             | 99.600           | 20.000000         | 1035.000                  | ---                       | 389.000                                |
| 10    | 1             | 59.600           | 20.000000         | ---                       | ---                       | 424.000                                |
| 11    | 3             | 96.000           | 20.000000         | 1733.000                  | 1820.000                  | 427.000                                |
| 12    | 3             | 64.400           | 20.000000         | 1553.000                  | 1679.000                  | 204.000                                |
| 13    | 2             | 82.800           | 20.000000         | 1451.000                  | ---                       | 69.000                                 |
| 14    | 2             | 86.800           | 20.000000         | 1508.000                  | ---                       | 573.000                                |
| 15    | 2             | 76.300           | 20.000000         | 1738.000                  | ---                       | 361.000                                |
| 16    | 2             | 83.800           | 20.000000         | 1152.000                  | ---                       | 683.000                                |

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## Detailed Results for Radar Type 5\_Trial 19

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 52.300           | 11.000000         | 1799.000                  | 1297.000                  | 737.000                                |
| 2     | 3             | 53.600           | 11.000000         | 1397.000                  | 1860.000                  | 189.000                                |
| 3     | 1             | 59.200           | 11.000000         | ---                       | ---                       | 495.000                                |
| 4     | 3             | 54.300           | 11.000000         | 1885.000                  | 1319.000                  | 152.000                                |
| 5     | 1             | 75.600           | 11.000000         | ---                       | ---                       | 76.000                                 |
| 6     | 1             | 52.900           | 11.000000         | ---                       | ---                       | 190.000                                |
| 7     | 1             | 97.700           | 11.000000         | ---                       | ---                       | 195.000                                |
| 8     | 2             | 50.200           | 11.000000         | 1276.000                  | ---                       | 604.000                                |
| 9     | 3             | 95.000           | 11.000000         | 1526.000                  | 1582.000                  | 267.000                                |
| 10    | 3             | 77.500           | 11.000000         | 1494.000                  | 1729.000                  | 842.000                                |
| 11    | 1             | 66.900           | 11.000000         | ---                       | ---                       | 144.000                                |
| 12    | 2             | 96.100           | 11.000000         | 1441.000                  | ---                       | 435.000                                |
| 13    | 3             | 62.500           | 11.000000         | 1037.000                  | 1474.000                  | 262.000                                |
| 14    | 2             | 53.100           | 11.000000         | 1278.000                  | ---                       | 525.000                                |

## Detailed Results for Radar Type 5\_Trial 20

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 57.400           | 6.000000          | 963.000                   | ---                       | 180.000                                |
| 2     | 2             | 93.600           | 6.000000          | 1584.000                  | ---                       | 459.000                                |
| 3     | 2             | 80.100           | 6.000000          | 1493.000                  | ---                       | 435.000                                |
| 4     | 1             | 64.100           | 6.000000          | ---                       | ---                       | 1256.000                               |
| 5     | 2             | 67.700           | 6.000000          | 1215.000                  | ---                       | 734.000                                |
| 6     | 1             | 96.500           | 6.000000          | ---                       | ---                       | 1281.000                               |
| 7     | 2             | 81.500           | 6.000000          | 974.000                   | ---                       | 1432.000                               |
| 8     | 2             | 66.800           | 6.000000          | 1558.000                  | ---                       | 92.000                                 |

## Detailed Results for Radar Type 5\_Trial 21

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 80.900           | 6.000000          | ---                       | ---                       | 565.000                                |
| 2     | 3             | 55.800           | 6.000000          | 1708.000                  | 1448.000                  | 439.000                                |
| 3     | 2             | 93.400           | 6.000000          | 985.000                   | ---                       | 706.000                                |
| 4     | 2             | 83.200           | 6.000000          | 1912.000                  | ---                       | 758.000                                |
| 5     | 3             | 59.100           | 6.000000          | 1594.000                  | 1591.000                  | 79.000                                 |
| 6     | 2             | 74.400           | 6.000000          | 939.000                   | ---                       | 107.000                                |
| 7     | 3             | 85.400           | 6.000000          | 1733.000                  | 1253.000                  | 238.000                                |
| 8     | 3             | 98.000           | 6.000000          | 1896.000                  | 1606.000                  | 373.000                                |
| 9     | 1             | 92.100           | 6.000000          | ---                       | ---                       | 363.000                                |
| 10    | 1             | 84.400           | 6.000000          | ---                       | ---                       | 227.000                                |
| 11    | 2             | 67.400           | 6.000000          | 1272.000                  | ---                       | 646.000                                |
| 12    | 3             | 92.000           | 6.000000          | 1831.000                  | 1066.000                  | 457.000                                |
| 13    | 3             | 87.500           | 6.000000          | 1763.000                  | 1055.000                  | 22.000                                 |

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## Detailed Results for Radar Type 5\_Trial 22

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 79.600           | 17.000000         | 1029.000                  | ---                       | 270.000                                |
| 2     | 1             | 90.200           | 17.000000         | ---                       | ---                       | 580.000                                |
| 3     | 3             | 66.100           | 17.000000         | 1312.000                  | 1766.000                  | 86.000                                 |
| 4     | 1             | 95.200           | 17.000000         | ---                       | ---                       | 92.000                                 |
| 5     | 2             | 76.300           | 17.000000         | 1238.000                  | ---                       | 368.000                                |
| 6     | 2             | 75.800           | 17.000000         | 1106.000                  | ---                       | 165.000                                |
| 7     | 3             | 50.700           | 17.000000         | 1312.000                  | 1580.000                  | 377.000                                |
| 8     | 3             | 56.300           | 17.000000         | 1837.000                  | 1154.000                  | 323.000                                |
| 9     | 3             | 56.100           | 17.000000         | 1061.000                  | 1394.000                  | 400.000                                |
| 10    | 3             | 81.200           | 17.000000         | 1582.000                  | 1379.000                  | 405.000                                |
| 11    | 2             | 89.700           | 17.000000         | 1845.000                  | ---                       | 506.000                                |
| 12    | 1             | 97.800           | 17.000000         | ---                       | ---                       | 331.000                                |
| 13    | 1             | 75.700           | 17.000000         | ---                       | ---                       | 430.000                                |
| 14    | 3             | 50.200           | 17.000000         | 1237.000                  | 1653.000                  | 544.000                                |
| 15    | 2             | 52.000           | 17.000000         | 1729.000                  | ---                       | 339.000                                |
| 16    | 2             | 69.400           | 17.000000         | 1603.000                  | ---                       | 44.000                                 |
| 17    | 2             | 67.500           | 17.000000         | 1168.000                  | ---                       | 521.000                                |
| 18    | 2             | 98.100           | 17.000000         | 958.000                   | ---                       | 384.000                                |
| 19    | 3             | 63.600           | 17.000000         | 1260.000                  | 1640.000                  | 194.000                                |

## Detailed Results for Radar Type 5\_Trial 23

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 54.600           | 13.000000         | 1482.000                  | ---                       | 997.000                                |
| 2     | 3             | 58.000           | 13.000000         | 1111.000                  | 999.000                   | 712.000                                |
| 3     | 3             | 63.400           | 13.000000         | 1268.000                  | 1709.000                  | 269.000                                |
| 4     | 3             | 67.400           | 13.000000         | 1035.000                  | 1498.000                  | 377.000                                |
| 5     | 3             | 70.200           | 13.000000         | 1122.000                  | 999.000                   | 381.000                                |
| 6     | 1             | 92.500           | 13.000000         | ---                       | ---                       | 942.000                                |
| 7     | 3             | 63.900           | 13.000000         | 1233.000                  | 1239.000                  | 49.000                                 |
| 8     | 1             | 67.700           | 13.000000         | ---                       | ---                       | 121.000                                |
| 9     | 2             | 74.700           | 13.000000         | 1791.000                  | ---                       | 596.000                                |
| 10    | 2             | 98.000           | 13.000000         | 1740.000                  | ---                       | 602.000                                |

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**Detailed Results for Radar Type 5\_Trial 24**

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 85.200           | 14.000000         | ---                       | ---                       | 99.000                                 |
| 2     | 3             | 59.000           | 14.000000         | 1887.000                  | 1086.000                  | 687.000                                |
| 3     | 1             | 51.000           | 14.000000         | ---                       | ---                       | 381.000                                |
| 4     | 2             | 84.800           | 14.000000         | 1906.000                  | ---                       | 520.000                                |
| 5     | 3             | 83.200           | 14.000000         | 1466.000                  | 1170.000                  | 910.000                                |
| 6     | 3             | 92.300           | 14.000000         | 977.000                   | 1255.000                  | 1.000                                  |
| 7     | 2             | 59.400           | 14.000000         | 1674.000                  | ---                       | 732.000                                |
| 8     | 2             | 90.700           | 14.000000         | 1058.000                  | ---                       | 642.000                                |
| 9     | 3             | 93.100           | 14.000000         | 961.000                   | 934.000                   | 359.000                                |
| 10    | 3             | 74.900           | 14.000000         | 1673.000                  | 1639.000                  | 602.000                                |
| 11    | 2             | 90.800           | 14.000000         | 1227.000                  | ---                       | 430.000                                |
| 12    | 3             | 58.500           | 14.000000         | 1625.000                  | 1374.000                  | 10.000                                 |
| 13    | 1             | 57.700           | 14.000000         | ---                       | ---                       | 804.000                                |

**Detailed Results for Radar Type 5\_Trial 25**

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 68.600           | 13.000000         | 1614.000                  | ---                       | 278.000                                |
| 2     | 3             | 78.700           | 13.000000         | 1230.000                  | 1429.000                  | 455.000                                |
| 3     | 2             | 72.000           | 13.000000         | 1581.000                  | ---                       | 173.000                                |
| 4     | 2             | 75.600           | 13.000000         | 977.000                   | ---                       | 212.000                                |
| 5     | 2             | 65.500           | 13.000000         | 1725.000                  | ---                       | 589.000                                |
| 6     | 2             | 55.000           | 13.000000         | 1600.000                  | ---                       | 3.000                                  |
| 7     | 1             | 57.000           | 13.000000         | ---                       | ---                       | 642.000                                |
| 8     | 2             | 70.100           | 13.000000         | 1454.000                  | ---                       | 556.000                                |
| 9     | 2             | 52.700           | 13.000000         | 1212.000                  | ---                       | 448.000                                |
| 10    | 3             | 61.200           | 13.000000         | 1845.000                  | 1035.000                  | 543.000                                |
| 11    | 2             | 98.000           | 13.000000         | 1740.000                  | ---                       | 298.000                                |
| 12    | 2             | 56.300           | 13.000000         | 1488.000                  | ---                       | 3.000                                  |
| 13    | 3             | 74.200           | 13.000000         | 1454.000                  | 1697.000                  | 589.000                                |
| 14    | 1             | 91.600           | 13.000000         | ---                       | ---                       | 282.000                                |
| 15    | 3             | 70.600           | 13.000000         | 1578.000                  | 1218.000                  | 414.000                                |

**Detailed Results for Radar Type 5\_Trial 26**

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 51.100           | 19.000000         | ---                       | ---                       | 551.000                                |
| 2     | 2             | 85.100           | 19.000000         | 1734.000                  | ---                       | 404.000                                |
| 3     | 3             | 52.100           | 19.000000         | 1720.000                  | 1874.000                  | 512.000                                |
| 4     | 1             | 74.000           | 19.000000         | ---                       | ---                       | 40.000                                 |
| 5     | 2             | 52.100           | 19.000000         | 1849.000                  | ---                       | 96.000                                 |
| 6     | 2             | 76.700           | 19.000000         | 1657.000                  | ---                       | 349.000                                |
| 7     | 1             | 55.400           | 19.000000         | ---                       | ---                       | 91.000                                 |
| 8     | 3             | 81.200           | 19.000000         | 1796.000                  | 1552.000                  | 89.000                                 |
| 9     | 2             | 60.900           | 19.000000         | 1713.000                  | ---                       | 57.000                                 |
| 10    | 2             | 57.100           | 19.000000         | 1611.000                  | ---                       | 530.000                                |
| 11    | 2             | 50.100           | 19.000000         | 1364.000                  | ---                       | 248.000                                |
| 12    | 1             | 89.400           | 19.000000         | ---                       | ---                       | 296.000                                |
| 13    | 3             | 64.500           | 19.000000         | 1437.000                  | 1500.000                  | 469.000                                |
| 14    | 2             | 72.500           | 19.000000         | 1415.000                  | ---                       | 437.000                                |
| 15    | 3             | 72.200           | 19.000000         | 1705.000                  | 1577.000                  | 554.000                                |
| 16    | 2             | 87.800           | 19.000000         | 1175.000                  | ---                       | 48.000                                 |
| 17    | 2             | 91.300           | 19.000000         | 1613.000                  | ---                       | 537.000                                |
| 18    | 2             | 65.400           | 19.000000         | 1307.000                  | ---                       | 194.000                                |
| 19    | 1             | 56.300           | 19.000000         | ---                       | ---                       | 276.000                                |
| 20    | 2             | 68.900           | 19.000000         | 1611.000                  | ---                       | 430.000                                |

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## Detailed Results for Radar Type 5\_Trial 27

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 78.100           | 10.000000         | 1102.000                  | ---                       | 160.000                                |
| 2     | 2             | 51.400           | 10.000000         | 957.000                   | ---                       | 633.000                                |
| 3     | 3             | 85.200           | 10.000000         | 1076.000                  | 1386.000                  | 363.000                                |
| 4     | 1             | 96.300           | 10.000000         | ---                       | ---                       | 992.000                                |
| 5     | 1             | 67.200           | 10.000000         | ---                       | ---                       | 751.000                                |
| 6     | 3             | 68.900           | 10.000000         | 1284.000                  | 1725.000                  | 149.000                                |
| 7     | 2             | 75.900           | 10.000000         | 958.000                   | ---                       | 690.000                                |
| 8     | 2             | 87.000           | 10.000000         | 1715.000                  | ---                       | 512.000                                |
| 9     | 1             | 88.500           | 10.000000         | ---                       | ---                       | 611.000                                |
| 10    | 3             | 61.000           | 10.000000         | 1333.000                  | 1179.000                  | 361.000                                |
| 11    | 1             | 57.000           | 10.000000         | ---                       | ---                       | 214.000                                |
| 12    | 2             | 55.900           | 10.000000         | 1656.000                  | ---                       | 643.000                                |

## Detailed Results for Radar Type 5\_Trial 28

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 63.100           | 5.000000          | 1767.000                  | ---                       | 49.000                                 |
| 2     | 2             | 54.000           | 5.000000          | 1907.000                  | ---                       | 76.000                                 |
| 3     | 1             | 74.000           | 5.000000          | ---                       | ---                       | 573.000                                |
| 4     | 3             | 69.500           | 5.000000          | 1490.000                  | 1185.000                  | 440.000                                |
| 5     | 2             | 62.300           | 5.000000          | 1013.000                  | ---                       | 645.000                                |
| 6     | 2             | 52.800           | 5.000000          | 1682.000                  | ---                       | 178.000                                |
| 7     | 2             | 90.100           | 5.000000          | 1367.000                  | ---                       | 171.000                                |
| 8     | 1             | 86.200           | 5.000000          | ---                       | ---                       | 251.000                                |
| 9     | 2             | 94.800           | 5.000000          | 908.000                   | ---                       | 307.000                                |
| 10    | 2             | 66.500           | 5.000000          | 972.000                   | ---                       | 415.000                                |
| 11    | 3             | 60.800           | 5.000000          | 1555.000                  | 1769.000                  | 440.000                                |
| 12    | 2             | 69.200           | 5.000000          | 1364.000                  | ---                       | 408.000                                |
| 13    | 2             | 82.600           | 5.000000          | 1077.000                  | ---                       | 86.000                                 |
| 14    | 3             | 89.600           | 5.000000          | 934.000                   | 1096.000                  | 215.000                                |
| 15    | 2             | 87.700           | 5.000000          | 958.000                   | ---                       | 272.000                                |
| 16    | 2             | 74.300           | 5.000000          | 1246.000                  | ---                       | 576.000                                |
| 17    | 1             | 98.600           | 5.000000          | ---                       | ---                       | 262.000                                |
| 18    | 3             | 82.600           | 5.000000          | 1172.000                  | 1322.000                  | 628.000                                |

## Detailed Results for Radar Type 5\_Trial 29

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 76.300           | 6.000000          | 1673.000                  | 1870.000                  | 757.000                                |
| 2     | 1             | 85.600           | 6.000000          | ---                       | ---                       | 712.000                                |
| 3     | 2             | 87.400           | 6.000000          | 1495.000                  | ---                       | 427.000                                |
| 4     | 2             | 67.800           | 6.000000          | 1430.000                  | ---                       | 153.000                                |
| 5     | 1             | 80.900           | 6.000000          | ---                       | ---                       | 197.000                                |
| 6     | 1             | 80.300           | 6.000000          | ---                       | ---                       | 160.000                                |
| 7     | 3             | 86.500           | 6.000000          | 1329.000                  | 1212.000                  | 509.000                                |
| 8     | 1             | 96.300           | 6.000000          | ---                       | ---                       | 828.000                                |
| 9     | 1             | 80.800           | 6.000000          | ---                       | ---                       | 306.000                                |
| 10    | 2             | 74.900           | 6.000000          | 1636.000                  | ---                       | 609.000                                |
| 11    | 3             | 60.400           | 6.000000          | 1278.000                  | 1394.000                  | 269.000                                |
| 12    | 3             | 57.300           | 6.000000          | 1719.000                  | 999.000                   | 826.000                                |
| 13    | 2             | 64.800           | 6.000000          | 1378.000                  | ---                       | 41.000                                 |
| 14    | 2             | 66.600           | 6.000000          | 933.000                   | ---                       | 631.000                                |

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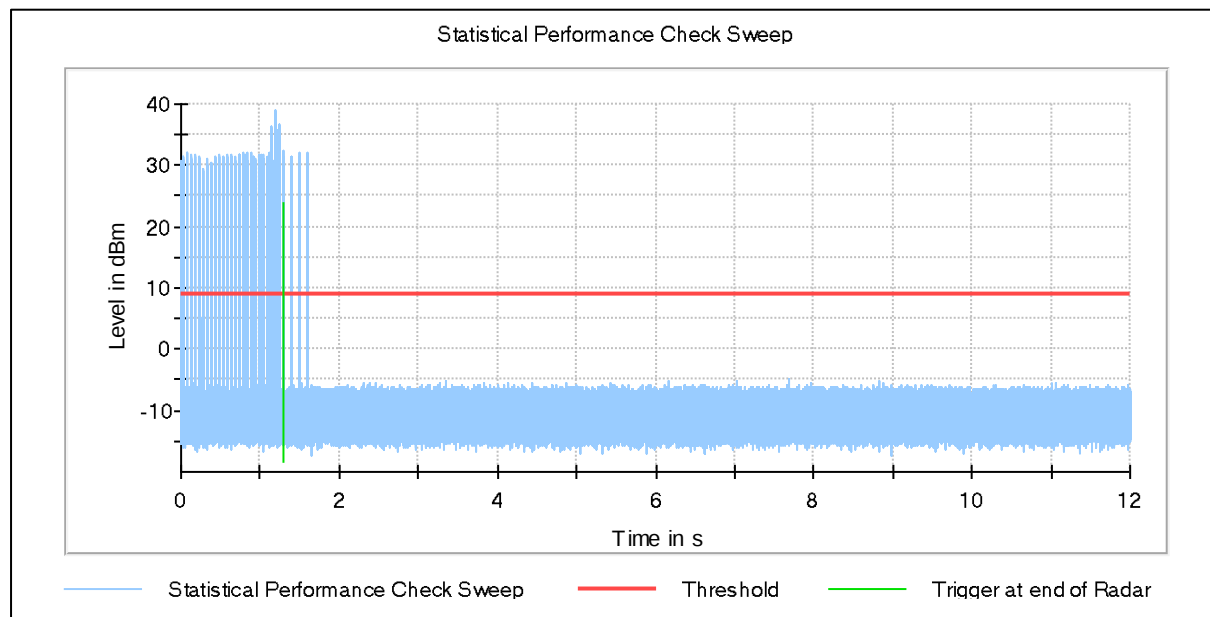
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## Detailed Results for Radar Type 5\_Trial 30

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 68.400           | 12.000000         | 1658.000                  | 1189.000                  | 811.000                                |
| 2     | 3             | 79.800           | 12.000000         | 1645.000                  | 1732.000                  | 1059.000                               |
| 3     | 1             | 86.100           | 12.000000         | ---                       | ---                       | 970.000                                |
| 4     | 1             | 83.200           | 12.000000         | ---                       | ---                       | 765.000                                |
| 5     | 1             | 97.500           | 12.000000         | ---                       | ---                       | 1117.000                               |
| 6     | 2             | 51.300           | 12.000000         | 1708.000                  | ---                       | 559.000                                |
| 7     | 3             | 77.900           | 12.000000         | 1276.000                  | 1521.000                  | 253.000                                |
| 8     | 3             | 80.800           | 12.000000         | 1804.000                  | 959.000                   | 563.000                                |
| 9     | 2             | 82.100           | 12.000000         | 1443.000                  | ---                       | 169.000                                |
| 10    | 3             | 65.000           | 12.000000         | 1848.000                  | 1035.000                  | 156.000                                |

## Detailed Results for Radar Type 6

| Trial Number | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|------------------|----------|---------------|-----------------|
| 1            | 1.000            | 300.000  | 9             | YES             |
| 2            | 1.000            | 300.000  | 9             | YES             |
| 3            | 1.000            | 300.000  | 9             | YES             |
| 4            | 1.000            | 300.000  | 9             | YES             |
| 5            | 1.000            | 300.000  | 9             | YES             |
| 6            | 1.000            | 300.000  | 9             | YES             |
| 7            | 1.000            | 300.000  | 9             | YES             |
| 8            | 1.000            | 300.000  | 9             | YES             |
| 9            | 1.000            | 300.000  | 9             | YES             |
| 10           | 1.000            | 300.000  | 9             | YES             |
| 11           | 1.000            | 300.000  | 9             | YES             |
| 12           | 1.000            | 300.000  | 9             | YES             |
| 13           | 1.000            | 300.000  | 9             | YES             |
| 14           | 1.000            | 300.000  | 9             | YES             |
| 15           | 1.000            | 300.000  | 9             | YES             |
| 16           | 1.000            | 300.000  | 9             | YES             |
| 17           | 1.000            | 300.000  | 9             | YES             |
| 18           | 1.000            | 300.000  | 9             | YES             |
| 19           | 1.000            | 300.000  | 9             | YES             |
| 20           | 1.000            | 300.000  | 9             | YES             |
| 21           | 1.000            | 300.000  | 9             | YES             |
| 22           | 1.000            | 300.000  | 9             | YES             |
| 23           | 1.000            | 300.000  | 9             | YES             |
| 24           | 1.000            | 300.000  | 9             | YES             |
| 25           | 1.000            | 300.000  | 9             | YES             |
| 26           | 1.000            | 300.000  | 9             | YES             |
| 27           | 1.000            | 300.000  | 9             | YES             |
| 28           | 1.000            | 300.000  | 9             | YES             |
| 29           | 1.000            | 300.000  | 9             | YES             |
| 30           | 1.000            | 300.000  | 9             | YES             |



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**Modulation: 802.11ac VHT40MHz**

## Measurement Summary

| DUT Frequency (MHz) | Radar Type No. | Detection count | Percentage of Detection Px | Detection Limit | Overall Result |
|---------------------|----------------|-----------------|----------------------------|-----------------|----------------|
| 5510.000000         | 1              | 28 of 30        | 93.33%                     | 60.0 %          | PASS           |
| 5510.000000         | 2              | 29 of 30        | 96.67%                     | 60.0 %          | PASS           |
| 5510.000000         | 3              | 27 of 30        | 90.00%                     | 60.0 %          | PASS           |
| 5510.000000         | 4              | 27 of 30        | 90.00%                     | 60.0 %          | PASS           |
| 5510.000000         | 5              | 30 of 30        | 100.00%                    | 80.0 %          | PASS           |
| 5510.000000         | 6              | 30 of 30        | 100.00%                    | 70.0 %          | PASS           |

## Aggregate Results for Short Pulse Radar Type 1-4

| Aggregate Calculation as follows | Aggregate Percentage | Aggregate Limit | Aggregate Result |
|----------------------------------|----------------------|-----------------|------------------|
| $(P1 + P2 + P3 + P4) / 4$        | 92.50%               | 80.0 %          | PASS             |

## Detailed Results for Radar Type 1

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 21                | 1.000            | 918.000  | 58            | No              |
| 2            | 8                 | 1.000            | 658.000  | 81            | YES             |
| 3            | 44                | 1.000            | 2474.000 | 22            | YES             |
| 4            | 40                | 1.000            | 2084.000 | 26            | YES             |
| 5            | 5                 | 1.000            | 598.000  | 89            | YES             |
| 6            | 32                | 1.000            | 1303.000 | 41            | No              |
| 7            | 31                | 1.000            | 1205.000 | 44            | YES             |
| 8            | 17                | 1.000            | 838.000  | 63            | YES             |
| 9            | 46                | 1.000            | 2669.000 | 20            | YES             |
| 10           | 50                | 1.000            | 3060.000 | 18            | YES             |
| 11           | 28                | 1.000            | 912.000  | 58            | YES             |
| 12           | 11                | 1.000            | 718.000  | 74            | YES             |
| 13           | 29                | 1.000            | 1010.000 | 53            | YES             |
| 14           | 35                | 1.000            | 1596.000 | 34            | YES             |
| 15           | 1                 | 1.000            | 518.000  | 102           | YES             |
| 16           | 47                | 1.000            | 2767.000 | 20            | YES             |
| 17           | 45                | 1.000            | 2572.000 | 21            | YES             |
| 18           | 33                | 1.000            | 1400.000 | 38            | YES             |
| 19           | 12                | 1.000            | 738.000  | 72            | YES             |
| 20           | 6                 | 1.000            | 618.000  | 86            | YES             |
| 21           | 4                 | 1.000            | 578.000  | 92            | YES             |
| 22           | 13                | 1.000            | 758.000  | 70            | YES             |
| 23           | 2                 | 1.000            | 538.000  | 99            | YES             |
| 24           | 42                | 1.000            | 2279.000 | 24            | YES             |
| 25           | 37                | 1.000            | 1791.000 | 30            | YES             |
| 26           | 18                | 1.000            | 858.000  | 62            | YES             |
| 27           | 20                | 1.000            | 898.000  | 59            | YES             |
| 28           | 27                | 1.000            | 815.000  | 65            | YES             |
| 29           | 10                | 1.000            | 698.000  | 76            | YES             |
| 30           | 19                | 1.000            | 878.000  | 61            | YES             |

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**Detailed Results for Radar Type 2**

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 25                | 4.400            | 202.000  | 24            | YES             |
| 2            | 1                 | 3.400            | 168.000  | 25            | YES             |
| 3            | 26                | 3.700            | 217.000  | 28            | YES             |
| 4            | 21                | 3.600            | 193.000  | 28            | YES             |
| 5            | 12                | 3.100            | 182.000  | 28            | YES             |
| 6            | 13                | 2.200            | 193.000  | 24            | YES             |
| 7            | 18                | 2.000            | 153.000  | 24            | YES             |
| 8            | 24                | 4.400            | 188.000  | 27            | YES             |
| 9            | 29                | 4.100            | 189.000  | 26            | YES             |
| 10           | 34                | 2.200            | 197.000  | 28            | YES             |
| 11           | 43                | 4.100            | 153.000  | 24            | YES             |
| 12           | 7                 | 1.400            | 185.000  | 27            | YES             |
| 13           | 27                | 2.700            | 199.000  | 29            | YES             |
| 14           | 3                 | 5.000            | 192.000  | 23            | YES             |
| 15           | 31                | 4.000            | 154.000  | 28            | YES             |
| 16           | 8                 | 2.600            | 175.000  | 26            | YES             |
| 17           | 39                | 4.900            | 163.000  | 23            | YES             |
| 18           | 42                | 2.500            | 215.000  | 28            | YES             |
| 19           | 15                | 2.200            | 180.000  | 29            | YES             |
| 20           | 48                | 4.200            | 227.000  | 24            | YES             |
| 21           | 16                | 3.600            | 194.000  | 26            | YES             |
| 22           | 6                 | 3.700            | 161.000  | 26            | YES             |
| 23           | 20                | 1.200            | 185.000  | 25            | YES             |
| 24           | 32                | 3.700            | 222.000  | 26            | YES             |
| 25           | 14                | 4.800            | 175.000  | 24            | YES             |
| 26           | 28                | 1.700            | 216.000  | 27            | YES             |
| 27           | 23                | 3.800            | 187.000  | 28            | YES             |
| 28           | 40                | 3.600            | 230.000  | 27            | YES             |
| 29           | 19                | 2.000            | 200.000  | 25            | No              |
| 30           | 2                 | 4.500            | 191.000  | 23            | YES             |

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## Detailed Results for Radar Type 3

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 28                | 9.800            | 316.000  | 17            | YES             |
| 2            | 6                 | 7.500            | 429.000  | 17            | YES             |
| 3            | 26                | 9.200            | 497.000  | 17            | YES             |
| 4            | 48                | 9.000            | 448.000  | 18            | No              |
| 5            | 49                | 6.500            | 288.000  | 18            | YES             |
| 6            | 34                | 6.400            | 477.000  | 17            | YES             |
| 7            | 16                | 8.900            | 340.000  | 16            | YES             |
| 8            | 33                | 9.000            | 430.000  | 18            | YES             |
| 9            | 7                 | 6.500            | 466.000  | 17            | YES             |
| 10           | 47                | 9.800            | 250.000  | 17            | YES             |
| 11           | 37                | 7.500            | 217.000  | 17            | YES             |
| 12           | 35                | 7.300            | 200.000  | 18            | YES             |
| 13           | 40                | 7.400            | 271.000  | 17            | YES             |
| 14           | 36                | 9.800            | 494.000  | 17            | YES             |
| 15           | 13                | 8.400            | 343.000  | 17            | YES             |
| 16           | 38                | 6.300            | 476.000  | 17            | YES             |
| 17           | 43                | 6.700            | 398.000  | 17            | YES             |
| 18           | 9                 | 6.300            | 454.000  | 17            | No              |
| 19           | 10                | 9.800            | 206.000  | 17            | YES             |
| 20           | 42                | 8.600            | 493.000  | 17            | YES             |
| 21           | 5                 | 8.200            | 464.000  | 18            | YES             |
| 22           | 18                | 6.200            | 263.000  | 18            | YES             |
| 23           | 44                | 7.100            | 457.000  | 16            | YES             |
| 24           | 45                | 6.700            | 426.000  | 17            | YES             |
| 25           | 29                | 9.900            | 446.000  | 17            | YES             |
| 26           | 41                | 7.700            | 467.000  | 16            | YES             |
| 27           | 12                | 8.000            | 463.000  | 17            | YES             |
| 28           | 22                | 6.500            | 433.000  | 17            | No              |
| 29           | 1                 | 8.000            | 494.000  | 18            | YES             |
| 30           | 46                | 8.500            | 349.000  | 17            | YES             |

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**Detailed Results for Radar Type 4**

| Trial Number | Random Trial used | Pulse Width (µs) | PRI (µs) | No. of Pulses | Pulses Detected |
|--------------|-------------------|------------------|----------|---------------|-----------------|
| 1            | 6                 | 18.500           | 499.000  | 13            | YES             |
| 2            | 18                | 15.600           | 420.000  | 15            | YES             |
| 3            | 44                | 17.900           | 458.000  | 14            | YES             |
| 4            | 19                | 15.700           | 403.000  | 16            | YES             |
| 5            | 31                | 14.400           | 266.000  | 14            | YES             |
| 6            | 42                | 18.500           | 208.000  | 14            | YES             |
| 7            | 35                | 12.600           | 268.000  | 13            | YES             |
| 8            | 11                | 14.900           | 223.000  | 12            | YES             |
| 9            | 7                 | 18.600           | 236.000  | 12            | YES             |
| 10           | 40                | 13.600           | 237.000  | 15            | YES             |
| 11           | 2                 | 19.900           | 428.000  | 12            | YES             |
| 12           | 32                | 12.600           | 293.000  | 15            | YES             |
| 13           | 21                | 11.700           | 483.000  | 16            | YES             |
| 14           | 39                | 12.400           | 217.000  | 14            | YES             |
| 15           | 5                 | 14.100           | 478.000  | 15            | YES             |
| 16           | 15                | 14.700           | 324.000  | 13            | YES             |
| 17           | 22                | 17.800           | 420.000  | 13            | YES             |
| 18           | 8                 | 14.100           | 283.000  | 15            | YES             |
| 19           | 43                | 15.800           | 410.000  | 15            | YES             |
| 20           | 13                | 16.000           | 485.000  | 14            | No              |
| 21           | 3                 | 13.600           | 398.000  | 15            | No              |
| 22           | 16                | 19.900           | 366.000  | 14            | No              |
| 23           | 29                | 17.300           | 287.000  | 16            | YES             |
| 24           | 4                 | 12.600           | 360.000  | 14            | YES             |
| 25           | 24                | 18.100           | 397.000  | 14            | YES             |
| 26           | 10                | 14.200           | 351.000  | 12            | YES             |
| 27           | 26                | 18.900           | 299.000  | 16            | YES             |
| 28           | 20                | 12.300           | 438.000  | 13            | YES             |
| 29           | 12                | 16.000           | 461.000  | 13            | YES             |
| 30           | 27                | 15.600           | 303.000  | 13            | YES             |

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## Detailed Results for Radar Type 5

| Trial Number | Random Trial used | Pulses Detected | Comment                                                  |
|--------------|-------------------|-----------------|----------------------------------------------------------|
| 1            | 16                | YES             | For detailed burst Data see separate table Type5_Trial1  |
| 2            | 29                | YES             | For detailed burst Data see separate table Type5_Trial2  |
| 3            | 5                 | YES             | For detailed burst Data see separate table Type5_Trial3  |
| 4            | 43                | YES             | For detailed burst Data see separate table Type5_Trial4  |
| 5            | 10                | YES             | For detailed burst Data see separate table Type5_Trial5  |
| 6            | 4                 | YES             | For detailed burst Data see separate table Type5_Trial6  |
| 7            | 24                | YES             | For detailed burst Data see separate table Type5_Trial7  |
| 8            | 11                | YES             | For detailed burst Data see separate table Type5_Trial8  |
| 9            | 12                | YES             | For detailed burst Data see separate table Type5_Trial9  |
| 10           | 36                | YES             | For detailed burst Data see separate table Type5_Trial10 |
| 11           | 21                | YES             | For detailed burst Data see separate table Type5_Trial11 |
| 12           | 37                | YES             | For detailed burst Data see separate table Type5_Trial12 |
| 13           | 8                 | YES             | For detailed burst Data see separate table Type5_Trial13 |
| 14           | 42                | YES             | For detailed burst Data see separate table Type5_Trial14 |
| 15           | 34                | YES             | For detailed burst Data see separate table Type5_Trial15 |
| 16           | 33                | YES             | For detailed burst Data see separate table Type5_Trial16 |
| 17           | 17                | YES             | For detailed burst Data see separate table Type5_Trial17 |
| 18           | 23                | YES             | For detailed burst Data see separate table Type5_Trial18 |
| 19           | 41                | YES             | For detailed burst Data see separate table Type5_Trial19 |
| 20           | 26                | YES             | For detailed burst Data see separate table Type5_Trial20 |
| 21           | 38                | YES             | For detailed burst Data see separate table Type5_Trial21 |
| 22           | 45                | YES             | For detailed burst Data see separate table Type5_Trial22 |
| 23           | 48                | YES             | For detailed burst Data see separate table Type5_Trial23 |
| 24           | 50                | YES             | For detailed burst Data see separate table Type5_Trial24 |
| 25           | 1                 | YES             | For detailed burst Data see separate table Type5_Trial25 |
| 26           | 13                | YES             | For detailed burst Data see separate table Type5_Trial26 |
| 27           | 25                | YES             | For detailed burst Data see separate table Type5_Trial27 |
| 28           | 22                | YES             | For detailed burst Data see separate table Type5_Trial28 |
| 29           | 7                 | YES             | For detailed burst Data see separate table Type5_Trial29 |
| 30           | 6                 | YES             | For detailed burst Data see separate table Type5_Trial30 |

## Detailed Results for Radar Type 5\_Trial 1

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 53.400           | 13.000000         | 1343.000                  | 1742.000                  | 651.000                                |
| 2     | 1             | 57.300           | 13.000000         | ---                       | ---                       | 857.000                                |
| 3     | 1             | 61.900           | 13.000000         | ---                       | ---                       | 567.000                                |
| 4     | 3             | 60.500           | 13.000000         | 1355.000                  | 1499.000                  | 847.000                                |
| 5     | 1             | 62.000           | 13.000000         | ---                       | ---                       | 1014.000                               |
| 6     | 2             | 94.800           | 13.000000         | 1584.000                  | ---                       | 512.000                                |
| 7     | 1             | 64.300           | 13.000000         | ---                       | ---                       | 992.000                                |
| 8     | 3             | 93.200           | 13.000000         | 1157.000                  | 1861.000                  | 285.000                                |
| 9     | 3             | 56.000           | 13.000000         | 1813.000                  | 1900.000                  | 1189.000                               |
| 10    | 2             | 79.100           | 13.000000         | 1234.000                  | ---                       | 1006.000                               |

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## Detailed Results for Radar Type 5\_Trial 2

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 77.400           | 20.000000         | 1666.000                  | ---                       | 613.000                                |
| 2     | 3             | 99.600           | 20.000000         | 1128.000                  | 1195.000                  | 1083.000                               |
| 3     | 3             | 95.100           | 20.000000         | 1506.000                  | 1563.000                  | 362.000                                |
| 4     | 1             | 84.300           | 20.000000         | ---                       | ---                       | 319.000                                |
| 5     | 3             | 88.900           | 20.000000         | 1568.000                  | 1152.000                  | 604.000                                |
| 6     | 2             | 69.200           | 20.000000         | 995.000                   | ---                       | 451.000                                |
| 7     | 2             | 81.400           | 20.000000         | 1689.000                  | ---                       | 791.000                                |
| 8     | 2             | 88.500           | 20.000000         | 1286.000                  | ---                       | 359.000                                |
| 9     | 3             | 70.600           | 20.000000         | 1189.000                  | 1825.000                  | 241.000                                |
| 10    | 3             | 56.000           | 20.000000         | 1217.000                  | 1783.000                  | 317.000                                |

## Detailed Results for Radar Type 5\_Trial 3

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 58.200           | 10.000000         | 1320.000                  | ---                       | 122.000                                |
| 2     | 2             | 66.300           | 10.000000         | 1849.000                  | ---                       | 244.000                                |
| 3     | 3             | 62.100           | 10.000000         | 1589.000                  | 1390.000                  | 229.000                                |
| 4     | 2             | 74.300           | 10.000000         | 1184.000                  | ---                       | 976.000                                |
| 5     | 1             | 58.600           | 10.000000         | ---                       | ---                       | 730.000                                |
| 6     | 3             | 82.600           | 10.000000         | 1633.000                  | 1513.000                  | 669.000                                |
| 7     | 1             | 73.100           | 10.000000         | ---                       | ---                       | 735.000                                |
| 8     | 1             | 90.900           | 10.000000         | ---                       | ---                       | 645.000                                |
| 9     | 3             | 66.300           | 10.000000         | 1563.000                  | 1348.000                  | 380.000                                |
| 10    | 2             | 54.800           | 10.000000         | 1384.000                  | ---                       | 556.000                                |
| 11    | 3             | 65.600           | 10.000000         | 1218.000                  | 937.000                   | 801.000                                |
| 12    | 3             | 74.500           | 10.000000         | 958.000                   | 1010.000                  | 493.000                                |

## Detailed Results for Radar Type 5\_Trial 4

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 92.800           | 10.000000         | 1307.000                  | 1195.000                  | 177.000                                |
| 2     | 2             | 69.200           | 10.000000         | 1264.000                  | ---                       | 1014.000                               |
| 3     | 2             | 63.000           | 10.000000         | 1830.000                  | ---                       | 875.000                                |
| 4     | 1             | 58.400           | 10.000000         | ---                       | ---                       | 470.000                                |
| 5     | 2             | 74.900           | 10.000000         | 1531.000                  | ---                       | 184.000                                |
| 6     | 2             | 76.000           | 10.000000         | 1488.000                  | ---                       | 679.000                                |
| 7     | 2             | 50.500           | 10.000000         | 1360.000                  | ---                       | 296.000                                |
| 8     | 1             | 82.500           | 10.000000         | ---                       | ---                       | 645.000                                |
| 9     | 3             | 58.800           | 10.000000         | 1168.000                  | 1620.000                  | 345.000                                |
| 10    | 2             | 70.900           | 10.000000         | 1468.000                  | ---                       | 205.000                                |
| 11    | 1             | 72.700           | 10.000000         | ---                       | ---                       | 702.000                                |

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## Detailed Results for Radar Type 5\_Trial 5

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 64.900           | 8.000000          | 1505.000                  | 942.000                   | 403.000                                |
| 2     | 2             | 74.300           | 8.000000          | 1789.000                  | ---                       | 177.000                                |
| 3     | 3             | 70.800           | 8.000000          | 1084.000                  | 1077.000                  | 477.000                                |
| 4     | 2             | 89.800           | 8.000000          | 1727.000                  | ---                       | 39.000                                 |
| 5     | 2             | 93.800           | 8.000000          | 1220.000                  | ---                       | 581.000                                |
| 6     | 3             | 71.300           | 8.000000          | 1699.000                  | 1079.000                  | 519.000                                |
| 7     | 2             | 73.200           | 8.000000          | 1306.000                  | ---                       | 9.000                                  |
| 8     | 2             | 78.200           | 8.000000          | 1010.000                  | ---                       | 72.000                                 |
| 9     | 3             | 65.600           | 8.000000          | 1443.000                  | 1201.000                  | 152.000                                |
| 10    | 2             | 80.300           | 8.000000          | 1521.000                  | ---                       | 187.000                                |
| 11    | 1             | 53.000           | 8.000000          | ---                       | ---                       | 669.000                                |
| 12    | 2             | 97.600           | 8.000000          | 1808.000                  | ---                       | 558.000                                |
| 13    | 2             | 69.000           | 8.000000          | 1583.000                  | ---                       | 502.000                                |
| 14    | 3             | 98.300           | 8.000000          | 1282.000                  | 1548.000                  | 356.000                                |
| 15    | 3             | 58.000           | 8.000000          | 1058.000                  | 1448.000                  | 179.000                                |
| 16    | 2             | 53.300           | 8.000000          | 993.000                   | ---                       | 253.000                                |
| 17    | 2             | 78.600           | 8.000000          | 1265.000                  | ---                       | 413.000                                |

## Detailed Results for Radar Type 5\_Trial 6

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 64.600           | 15.000000         | ---                       | ---                       | 373.000                                |
| 2     | 2             | 95.900           | 15.000000         | 1430.000                  | ---                       | 66.000                                 |
| 3     | 2             | 54.800           | 15.000000         | 1287.000                  | ---                       | 696.000                                |
| 4     | 2             | 63.800           | 15.000000         | 1654.000                  | ---                       | 597.000                                |
| 5     | 2             | 55.100           | 15.000000         | 1400.000                  | ---                       | 517.000                                |
| 6     | 2             | 92.900           | 15.000000         | 1849.000                  | ---                       | 259.000                                |
| 7     | 3             | 56.500           | 15.000000         | 1000.000                  | 1682.000                  | 660.000                                |
| 8     | 1             | 61.700           | 15.000000         | ---                       | ---                       | 591.000                                |
| 9     | 1             | 58.100           | 15.000000         | ---                       | ---                       | 474.000                                |
| 10    | 2             | 95.400           | 15.000000         | 1214.000                  | ---                       | 1077.000                               |
| 11    | 2             | 96.700           | 15.000000         | 1667.000                  | ---                       | 917.000                                |

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## Detailed Results for Radar Type 5\_Trial 7

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 78.300           | 8.000000          | 1113.000                  | ---                       | 442.000                                |
| 2     | 3             | 73.800           | 8.000000          | 1354.000                  | 1837.000                  | 373.000                                |
| 3     | 3             | 76.100           | 8.000000          | 1355.000                  | 1639.000                  | 48.000                                 |
| 4     | 3             | 87.300           | 8.000000          | 1498.000                  | 1822.000                  | 357.000                                |
| 5     | 1             | 50.900           | 8.000000          | ---                       | ---                       | 161.000                                |
| 6     | 2             | 69.700           | 8.000000          | 1619.000                  | ---                       | 132.000                                |
| 7     | 3             | 76.000           | 8.000000          | 1288.000                  | 1532.000                  | 644.000                                |
| 8     | 2             | 60.600           | 8.000000          | 1300.000                  | ---                       | 48.000                                 |
| 9     | 1             | 98.100           | 8.000000          | ---                       | ---                       | 403.000                                |
| 10    | 2             | 52.200           | 8.000000          | 1422.000                  | ---                       | 506.000                                |
| 11    | 2             | 98.400           | 8.000000          | 1351.000                  | ---                       | 22.000                                 |
| 12    | 2             | 87.700           | 8.000000          | 1180.000                  | ---                       | 634.000                                |
| 13    | 3             | 82.400           | 8.000000          | 1704.000                  | 1848.000                  | 28.000                                 |
| 14    | 3             | 68.900           | 8.000000          | 1080.000                  | 1341.000                  | 12.000                                 |
| 15    | 2             | 71.600           | 8.000000          | 1681.000                  | ---                       | 577.000                                |
| 16    | 3             | 93.100           | 8.000000          | 1758.000                  | 1536.000                  | 609.000                                |
| 17    | 2             | 52.100           | 8.000000          | 1941.000                  | ---                       | 612.000                                |
| 18    | 2             | 89.200           | 8.000000          | 966.000                   | ---                       | 60.000                                 |

## Detailed Results for Radar Type 5\_Trial 8

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 61.700           | 11.000000         | 1264.000                  | 1572.000                  | 640.000                                |
| 2     | 3             | 82.600           | 11.000000         | 923.000                   | 1387.000                  | 439.000                                |
| 3     | 2             | 74.800           | 11.000000         | 1230.000                  | ---                       | 16.000                                 |
| 4     | 2             | 77.700           | 11.000000         | 1544.000                  | ---                       | 613.000                                |
| 5     | 1             | 80.400           | 11.000000         | ---                       | ---                       | 213.000                                |
| 6     | 3             | 88.700           | 11.000000         | 1316.000                  | 1461.000                  | 568.000                                |
| 7     | 3             | 78.100           | 11.000000         | 1065.000                  | 1167.000                  | 387.000                                |
| 8     | 2             | 56.600           | 11.000000         | 1454.000                  | ---                       | 647.000                                |
| 9     | 1             | 63.600           | 11.000000         | ---                       | ---                       | 285.000                                |
| 10    | 2             | 73.100           | 11.000000         | 1369.000                  | ---                       | 189.000                                |
| 11    | 2             | 67.900           | 11.000000         | 994.000                   | ---                       | 165.000                                |
| 12    | 2             | 76.500           | 11.000000         | 1164.000                  | ---                       | 480.000                                |
| 13    | 1             | 63.700           | 11.000000         | ---                       | ---                       | 28.000                                 |
| 14    | 2             | 70.100           | 11.000000         | 1823.000                  | ---                       | 516.000                                |
| 15    | 2             | 90.400           | 11.000000         | 1694.000                  | ---                       | 561.000                                |
| 16    | 2             | 87.700           | 11.000000         | 1528.000                  | ---                       | 420.000                                |
| 17    | 3             | 77.700           | 11.000000         | 1339.000                  | 1407.000                  | 61.000                                 |
| 18    | 1             | 81.300           | 11.000000         | ---                       | ---                       | 67.000                                 |

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## Detailed Results for Radar Type 5\_Trial 9

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 80.800           | 17.000000         | 1865.000                  | ---                       | 407.000                                |
| 2     | 2             | 65.200           | 17.000000         | 1617.000                  | ---                       | 541.000                                |
| 3     | 2             | 55.500           | 17.000000         | 1012.000                  | ---                       | 474.000                                |
| 4     | 2             | 97.400           | 17.000000         | 1402.000                  | ---                       | 157.000                                |
| 5     | 2             | 70.500           | 17.000000         | 1522.000                  | ---                       | 531.000                                |
| 6     | 2             | 84.400           | 17.000000         | 1207.000                  | ---                       | 573.000                                |
| 7     | 3             | 86.000           | 17.000000         | 1566.000                  | 1277.000                  | 121.000                                |
| 8     | 2             | 76.800           | 17.000000         | 1481.000                  | ---                       | 136.000                                |
| 9     | 2             | 87.400           | 17.000000         | 993.000                   | ---                       | 227.000                                |
| 10    | 2             | 56.300           | 17.000000         | 1384.000                  | ---                       | 27.000                                 |
| 11    | 3             | 86.700           | 17.000000         | 920.000                   | 1181.000                  | 224.000                                |
| 12    | 3             | 81.000           | 17.000000         | 959.000                   | 1111.000                  | 506.000                                |
| 13    | 2             | 50.500           | 17.000000         | 1891.000                  | ---                       | 173.000                                |
| 14    | 2             | 92.000           | 17.000000         | 1263.000                  | ---                       | 553.000                                |
| 15    | 2             | 62.200           | 17.000000         | 1469.000                  | ---                       | 311.000                                |
| 16    | 2             | 69.400           | 17.000000         | 1007.000                  | ---                       | 332.000                                |
| 17    | 3             | 65.600           | 17.000000         | 1335.000                  | 1823.000                  | 519.000                                |
| 18    | 2             | 70.300           | 17.000000         | 1590.000                  | ---                       | 96.000                                 |
| 19    | 3             | 78.100           | 17.000000         | 1361.000                  | 1775.000                  | 12.000                                 |

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## Detailed Results for Radar Type 5\_Trial 10

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 2             | 74.800           | 8.000000          | 1894.000                  | ---                       | 41.000                                 |
| 2     | 2             | 95.100           | 8.000000          | 1815.000                  | ---                       | 443.000                                |
| 3     | 1             | 95.500           | 8.000000          | ---                       | ---                       | 663.000                                |
| 4     | 2             | 87.500           | 8.000000          | 1259.000                  | ---                       | 156.000                                |
| 5     | 3             | 86.300           | 8.000000          | 947.000                   | 1761.000                  | 185.000                                |
| 6     | 1             | 90.900           | 8.000000          | ---                       | ---                       | 246.000                                |
| 7     | 2             | 51.800           | 8.000000          | 1879.000                  | ---                       | 166.000                                |
| 8     | 1             | 92.100           | 8.000000          | ---                       | ---                       | 203.000                                |
| 9     | 3             | 83.800           | 8.000000          | 1477.000                  | 1851.000                  | 570.000                                |
| 10    | 1             | 51.500           | 8.000000          | ---                       | ---                       | 48.000                                 |
| 11    | 1             | 60.400           | 8.000000          | ---                       | ---                       | 1.000                                  |
| 12    | 3             | 95.800           | 8.000000          | 934.000                   | 1424.000                  | 382.000                                |
| 13    | 2             | 79.200           | 8.000000          | 1808.000                  | ---                       | 537.000                                |
| 14    | 3             | 79.500           | 8.000000          | 1300.000                  | 1192.000                  | 323.000                                |
| 15    | 1             | 83.200           | 8.000000          | ---                       | ---                       | 343.000                                |
| 16    | 2             | 98.800           | 8.000000          | 1791.000                  | ---                       | 560.000                                |
| 17    | 2             | 50.800           | 8.000000          | 1866.000                  | ---                       | 659.000                                |

## Detailed Results for Radar Type 5\_Trial 11

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 66.400           | 15.000000         | 1599.000                  | 1875.000                  | 190.000                                |
| 2     | 1             | 73.600           | 15.000000         | ---                       | ---                       | 165.000                                |
| 3     | 2             | 55.200           | 15.000000         | 1726.000                  | ---                       | 332.000                                |
| 4     | 2             | 62.700           | 15.000000         | 1752.000                  | ---                       | 117.000                                |
| 5     | 3             | 50.600           | 15.000000         | 1523.000                  | 1052.000                  | 572.000                                |
| 6     | 2             | 57.800           | 15.000000         | 944.000                   | ---                       | 746.000                                |
| 7     | 3             | 98.000           | 15.000000         | 1343.000                  | 1215.000                  | 147.000                                |
| 8     | 2             | 82.800           | 15.000000         | 1182.000                  | ---                       | 30.000                                 |
| 9     | 2             | 62.900           | 15.000000         | 1549.000                  | ---                       | 395.000                                |
| 10    | 2             | 50.700           | 15.000000         | 1196.000                  | ---                       | 333.000                                |
| 11    | 3             | 69.200           | 15.000000         | 1106.000                  | 1036.000                  | 388.000                                |
| 12    | 3             | 60.900           | 15.000000         | 1175.000                  | 1183.000                  | 612.000                                |
| 13    | 2             | 78.500           | 15.000000         | 1908.000                  | ---                       | 125.000                                |
| 14    | 2             | 67.800           | 15.000000         | 1667.000                  | ---                       | 502.000                                |
| 15    | 2             | 58.000           | 15.000000         | 1869.000                  | ---                       | 224.000                                |

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## Detailed Results for Radar Type 5\_Trial 12

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 1             | 84.500           | 5.000000          | ---                       | ---                       | 77.000                                 |
| 2     | 2             | 85.100           | 5.000000          | 1049.000                  | ---                       | 561.000                                |
| 3     | 2             | 77.500           | 5.000000          | 1012.000                  | ---                       | 322.000                                |
| 4     | 2             | 95.300           | 5.000000          | 1524.000                  | ---                       | 591.000                                |
| 5     | 2             | 69.000           | 5.000000          | 1447.000                  | ---                       | 479.000                                |
| 6     | 2             | 65.200           | 5.000000          | 1574.000                  | ---                       | 177.000                                |
| 7     | 3             | 77.400           | 5.000000          | 1446.000                  | 1628.000                  | 4.000                                  |
| 8     | 2             | 58.000           | 5.000000          | 1737.000                  | ---                       | 631.000                                |
| 9     | 3             | 58.500           | 5.000000          | 1714.000                  | 1626.000                  | 330.000                                |
| 10    | 1             | 98.600           | 5.000000          | ---                       | ---                       | 508.000                                |
| 11    | 1             | 73.900           | 5.000000          | ---                       | ---                       | 27.000                                 |
| 12    | 1             | 67.700           | 5.000000          | ---                       | ---                       | 157.000                                |
| 13    | 1             | 99.000           | 5.000000          | ---                       | ---                       | 313.000                                |
| 14    | 2             | 76.800           | 5.000000          | 1232.000                  | ---                       | 429.000                                |
| 15    | 2             | 89.900           | 5.000000          | 1618.000                  | ---                       | 574.000                                |
| 16    | 3             | 88.000           | 5.000000          | 1587.000                  | 1221.000                  | 326.000                                |
| 17    | 1             | 55.100           | 5.000000          | ---                       | ---                       | 550.000                                |
| 18    | 3             | 93.900           | 5.000000          | 930.000                   | 1084.000                  | 275.000                                |

## Detailed Results for Radar Type 5\_Trial 13

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 93.000           | 5.000000          | 1554.000                  | 1785.000                  | 287.000                                |
| 2     | 1             | 83.900           | 5.000000          | ---                       | ---                       | 719.000                                |
| 3     | 1             | 58.600           | 5.000000          | ---                       | ---                       | 22.000                                 |
| 4     | 2             | 51.600           | 5.000000          | 1301.000                  | ---                       | 508.000                                |
| 5     | 2             | 86.000           | 5.000000          | 971.000                   | ---                       | 394.000                                |
| 6     | 2             | 52.400           | 5.000000          | 1014.000                  | ---                       | 126.000                                |
| 7     | 2             | 81.600           | 5.000000          | 1650.000                  | ---                       | 756.000                                |
| 8     | 2             | 73.500           | 5.000000          | 1428.000                  | ---                       | 653.000                                |
| 9     | 1             | 58.900           | 5.000000          | ---                       | ---                       | 761.000                                |
| 10    | 1             | 93.500           | 5.000000          | ---                       | ---                       | 118.000                                |
| 11    | 2             | 90.600           | 5.000000          | 1774.000                  | ---                       | 108.000                                |
| 12    | 2             | 58.400           | 5.000000          | 1448.000                  | ---                       | 740.000                                |
| 13    | 2             | 89.100           | 5.000000          | 1406.000                  | ---                       | 689.000                                |
| 14    | 2             | 73.900           | 5.000000          | 1071.000                  | ---                       | 160.000                                |
| 15    | 1             | 61.700           | 5.000000          | ---                       | ---                       | 172.000                                |

## Detailed Results for Radar Type 5\_Trial 14

| Burst | No. of Pulses | Pulse Width (µs) | Chirp Width (MHz) | Pulse 1-to-2 Spacing (µs) | Pulse 2-to-3 Spacing (µs) | Starting Location Within Interval (µs) |
|-------|---------------|------------------|-------------------|---------------------------|---------------------------|----------------------------------------|
| 1     | 3             | 68.400           | 12.000000         | 1658.000                  | 1189.000                  | 811.000                                |
| 2     | 3             | 79.800           | 12.000000         | 1645.000                  | 1732.000                  | 1059.000                               |
| 3     | 1             | 86.100           | 12.000000         | ---                       | ---                       | 970.000                                |
| 4     | 1             | 83.200           | 12.000000         | ---                       | ---                       | 765.000                                |
| 5     | 1             | 97.500           | 12.000000         | ---                       | ---                       | 1117.000                               |
| 6     | 2             | 51.300           | 12.000000         | 1708.000                  | ---                       | 559.000                                |
| 7     | 3             | 77.900           | 12.000000         | 1276.000                  | 1521.000                  | 253.000                                |
| 8     | 3             | 80.800           | 12.000000         | 1804.000                  | 959.000                   | 563.000                                |
| 9     | 2             | 82.100           | 12.000000         | 1443.000                  | ---                       | 169.000                                |
| 10    | 3             | 65.000           | 12.000000         | 1848.000                  | 1035.000                  | 156.000                                |