

# DFS Test Report

FCC ID: 2AG87ACM-DB-3-R2

IC: 21411-ACMDB3R2

Product: Industrial WiFi Transceiver

Model No.: ACM-DB-3-R2

Additional Model No.: ACM-DB-2-R2, ACO-DB-3-R2, ACO-DB-2-R2

Trade Mark: N/A

Report No.: TB-FCC177916

Issued Date: Dec. 01, 2020

Issued for:

Doodle Labs (SG) Pte Ltd

150 Kampong Ampat, KA Center, Suite 05-03, Singapore 368324

Issued By:

Shenzhen Toby Technology Co., Ltd.

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## Revision History

| Report No.   | Version | Description             | Issued Date |
|--------------|---------|-------------------------|-------------|
| TB-FCC177916 | Rev.01  | Initial issue of report | 2020-12-01  |
|              |         |                         |             |
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# 1. Test Certification

|                              |                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>              | Industrial WiFi Transceiver                                                                                                                                                                |
| <b>Model No.:</b>            | ACM-DB-3-R2                                                                                                                                                                                |
| <b>Additional Model No.:</b> | ACM-DB-2-R2, ACO-DB-3-R2, ACO-DB-2-R2                                                                                                                                                      |
| <b>Trade Mark:</b>           | N/A                                                                                                                                                                                        |
| <b>Applicant:</b>            | Doodle Labs (SG) Pte Ltd                                                                                                                                                                   |
| <b>Address:</b>              | 150 Kampong Ampat, KA Center, Suite 05-03, Singapore 368324                                                                                                                                |
| <b>Manufacturer:</b>         | Doodle Labs (SG) Pte Ltd                                                                                                                                                                   |
| <b>Address:</b>              | 150 Kampong Ampat, KA Center, Suite 05-03, Singapore 368324                                                                                                                                |
| <b>Date of Test:</b>         | Aug. 05, 2020 – Nov. 30, 2020                                                                                                                                                              |
| <b>Applicable Standards:</b> | FCC Part15.407<br>IC RSS-247(Issue 2, February 2017)<br>KDB905462 D02 UNII DFS Compliance Procedures New Rules v02<br>KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 |

The above equipment has been tested by Shenzhen Toby Technology Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:

Rebecca  
Rebeca

Date: Nov. 30, 2020

Reviewed By:

Ivan Su  
Ivan Su  
Ray Lai  
Ray Lai

Date: Dec. 01, 2020

Approved By:

Date: Dec. 01, 2020



## 2. Test Result Summary

| Description                       | Limit                                                             | Result |
|-----------------------------------|-------------------------------------------------------------------|--------|
| UNII Detection Bandwidth          | >100% of the 99% BW                                               | Pass   |
| Channel Availability Check        | > 60 sec                                                          | Pass   |
| Channel Move Time                 | <10sec                                                            | Pass   |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining | Pass   |
| Non-Occupancy Period              | > 30 min                                                          | Pass   |
| Statistical Performance Check     | Type1,2,3,4 ≥ 60%<br>Type1~4&5 ≥ 70%<br>Type6 ≥ 80%               | Pass   |

### 3. EUT Description

|                                |                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>                | Industrial WiFi Transceiver                                                                                                                                 |
| <b>Model No.:</b>              | ACM-DB-3-R2                                                                                                                                                 |
| <b>Additional Model No.:</b>   | ACM-DB-2-R2, ACO-DB-3-R2, ACO-DB-2-R2                                                                                                                       |
| <b>Trade Mark:</b>             | N/A                                                                                                                                                         |
| <b>Support Mode:</b>           | ■ Master ■ Slave                                                                                                                                            |
| <b>Operation Frequency:</b>    | Band 1: 5180MHz~5240MHz<br>Band 2A: 5260MHz~5320MHz<br>Band 2C: 5500MHz~5700MHz<br>Band 3: 5745MHz~5825MHz                                                  |
| <b>Channel Separation:</b>     | 802.11a: 20MHz<br>802.11n: 20MHz, 40MHz<br>802.11ac: 20MHz, 40MHz                                                                                           |
| <b>Modulation Technology:</b>  | Orthogonal Frequency Division Multiplexing(OFDM)                                                                                                            |
| <b>TPC:</b>                    | N/A(EIRP<500mW)                                                                                                                                             |
| <b>Antenna Type:</b>           | External Antenna                                                                                                                                            |
| <b>Antenna Connector Type:</b> | SMA-K                                                                                                                                                       |
| <b>Antenna Gain:</b>           | ANT0: 3dBi, ANT1: 3dBi, ANT2: 3dBi                                                                                                                          |
| <b>Power Supply:</b>           | DC 3.3V                                                                                                                                                     |
| <b>Remark:</b>                 | All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. |

**Note:** The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.



## 4. General Information

### 4.1. RF General information

| IEEE Std. 802.11                                     | Channel Bandwidth (MHz) |
|------------------------------------------------------|-------------------------|
| a / n / ac(HT20)                                     | 20                      |
| n / ac (HT40)                                        | 40                      |
| Remark: All test are performed with conducted method |                         |

### 4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment      | Model No.     | Serial No.                 | FCC ID | Trade Name |
|----------------|---------------|----------------------------|--------|------------|
| Laptop         | ThinkPad T430 | PO1908049                  | /      | Lenovo     |
| AC Adapter     | 92P1154       | 11S92P1154Z1<br>ZDXP7CL957 | /      | Lenovo     |
| Panel Computer | /             | /                          | /      |            |

**Note:**

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



### 4.3. Test Instruments List

| Equipment               | Manufacturer       | Model No.         | Serial No.    | Last Cal.     | Cal. Due Date |
|-------------------------|--------------------|-------------------|---------------|---------------|---------------|
| MXA Signal Analyzer     | Agilent            | N9020A            | MY49100060    | Sep. 11, 2020 | Sep. 10, 2021 |
| Vector Signal Generator | Agilent            | N5182A            | MY50141294    | Sep. 11, 2020 | Sep. 10, 2021 |
| Analog Signal Generator | Agilent            | N5181A            | MY50141953    | Sep. 11, 2020 | Sep. 10, 2021 |
| RF Power Sensor         | DARE!! Instruments | RadiPowerRPR3006W | 17I00015SNO26 | Sep. 11, 2020 | Sep. 10, 2021 |
|                         | DARE!! Instruments | RadiPowerRPR3006W | 17I00015SNO29 | Sep. 11, 2020 | Sep. 10, 2021 |
|                         | DARE!! Instruments | RadiPowerRPR3006W | 17I00015SNO31 | Sep. 11, 2020 | Sep. 10, 2021 |
|                         | DARE!! Instruments | RadiPowerRPR3006W | 17I00015SNO33 | Sep. 11, 2020 | Sep. 10, 2021 |

**Note:** The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).



## **5. Facilities and Accreditations**

### **5.1. Facilities**

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

#### **A2LA Certificate No.: 4750.01**

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.

#### **IC Registration No.: (11950A)**

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

### **5.2. Location**

Shenzhen Toby Technology Co., Ltd.

Address: 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, China

TEL: +86 75526509301



## 6. Dynamic Frequency Selection (DFS) Test Result

### 6.1. General DFS Information

#### 6.1.1. DFS Parameters

**Table D.1: DFS requirement values**

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

Note 1: The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:

- For the Short pulse radar Test Signals this instant is the end of the *Burst*.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission.

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 *Channel* changes (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 1 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

**Table D.2: Interference threshold values**

| Maximum Transmit Power | Value (see note) |
|------------------------|------------------|
| ≥ 200 milliwatt        | -64 dBm          |
| < 200 milliwatt        | -62 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.

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.

#### 6.1.2. Applicability of DFS Requirements Prior to Use of a Channel



| Requirement                            | DFS 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>Uniform Spreading</i>               | Yes                  | Not required                   | Not required                |
| <i>U-NII Detection Bandwidth</i>       | Yes                  | Not required                   | Yes                         |

### 6.1.3. Applicability of DFS Requirements during Normal Operation

| Requirement                              | DFS Operational mode |                                |                             |
|------------------------------------------|----------------------|--------------------------------|-----------------------------|
|                                          | Master               | Client without radar detection | Client with radar detection |
| <i>DFS Detection Threshold</i>           | Yes                  | Not required                   | Yes                         |
| <i>Channel Closing Transmission Time</i> | Yes                  | Yes                            | Yes                         |
| <i>Channel Move Time</i>                 | Yes                  | Yes                            | Yes                         |
| <i>U-NII Detection Bandwidth</i>         | Yes                  | Not required                   | Yes                         |



## 6.2. Radar Test Waveform Calibration

### 6.2.1. Short Pulse Radar Test Waveforms

**Table 5 – Short Pulse Radar Test Waveforms**

| Radar Type                                                                                                                                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                 | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                           | 1                  | 1428                                                                                                                                                          | 18                                                                                                               | See Note 1                                 | See Note 1               |
| 1                                                                                                                                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 60%                                        | 30                       |
|                                                                                                                                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                  |                                            |                          |
| 2                                                                                                                                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                            | 60%                                        | 30                       |
| 3                                                                                                                                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                            | 60%                                        | 30                       |
| 4                                                                                                                                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                            | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                                 |                    |                                                                                                                                                               |                                                                                                                  | 80%                                        | 120                      |
| <b>Note 1:</b> Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                                                                                                                               |                                                                                                                  |                                            |                          |

A minimum of 30 unique waveforms are required for each of the short pulse radar types 2 through 4. For short pulse radar type 1, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for short pulse radar types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.



### 6.2.2. Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | ChirpWidth (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Minimum Percentage of Successful Detection | Minimum Trials |
|------------|--------------------|------------------|------------|----------------------------|------------------|--------------------------------------------|----------------|
| 5          | 50-100             | 5-20             | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30             |

Each waveform is defined as follows:

- ◆ The transmission period for the Long Pulse Radar test signal is 12 seconds.
- ◆ There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
- ◆ Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
- ◆ The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- ◆ Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
- ◆ If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
- ◆ The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst\_Count. Each interval is of length  $(12,000,000 / \text{Burst\_Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst\_Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.



### 6.2.3. Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (µsec) | PRI (µsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (ms) | Minimum Percentage of Successful Detection | Minimum Trials |
|------------|--------------------|------------|----------------|--------------------|------------------------------|--------------------------------------------|----------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                          | 70%                                        | 30             |

The FCC Type 6 waveform uses a static waveform with 100 bursts in the instruments ARB. In addition, the RF list mode is operated with a list containing 100 frequencies from a randomly generated list and it had be ensured that at least one of the random frequencies falls into the UNII Detection Bandwidth of the DUT. Each burst from the waveform file initiates a trigger pulse at the beginning that switches the RF list from one item to the next one.

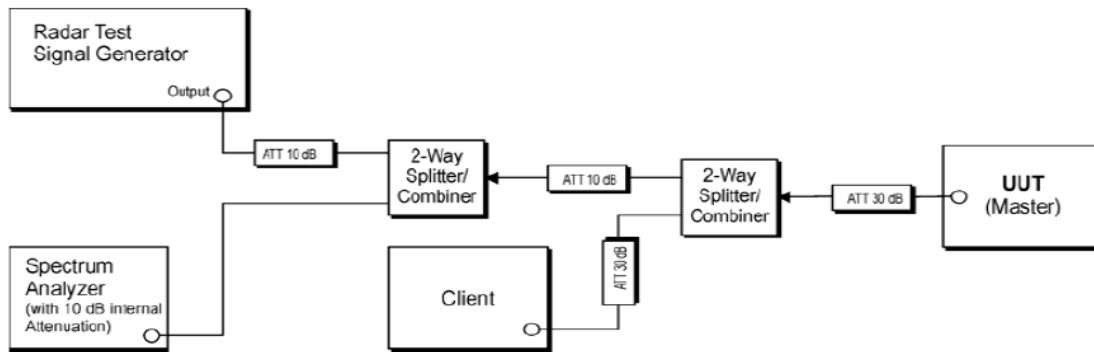
### 6.2.4. DFS Threshold Level

| DFS Threshold Level          |                                                              |
|------------------------------|--------------------------------------------------------------|
| DFS Threshold level: -64 dBm | <input checked="" type="checkbox"/> at the antenna connector |
|                              | <input type="checkbox"/> in front of the antenna             |



### 6.2.5. Test Set up

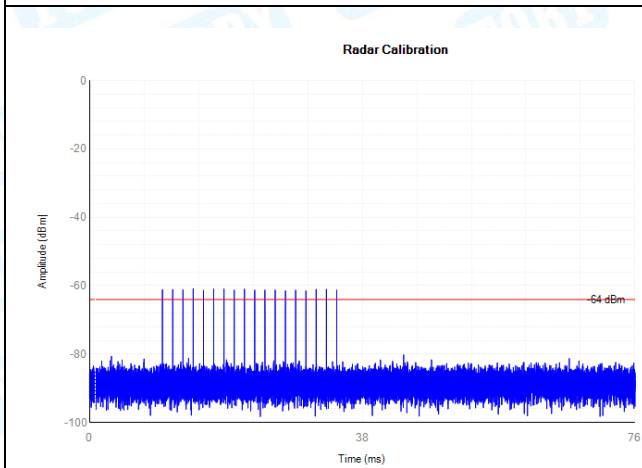
#### Setup for Master with injection at the Master



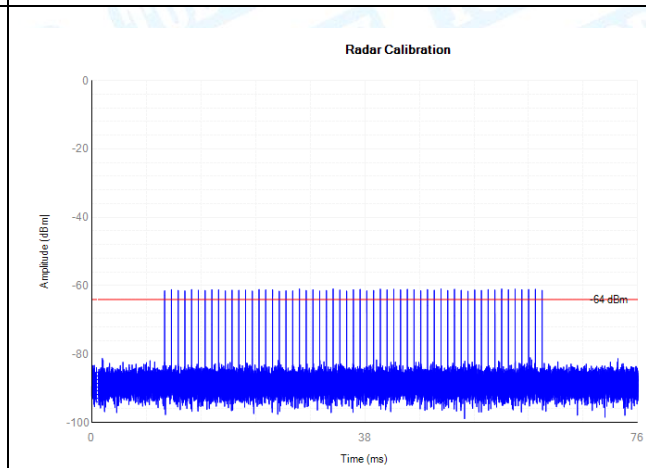


### Calibration Plots

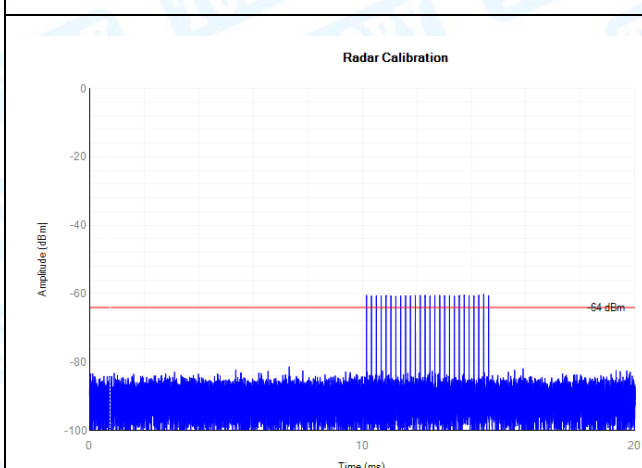
**Radar #0**



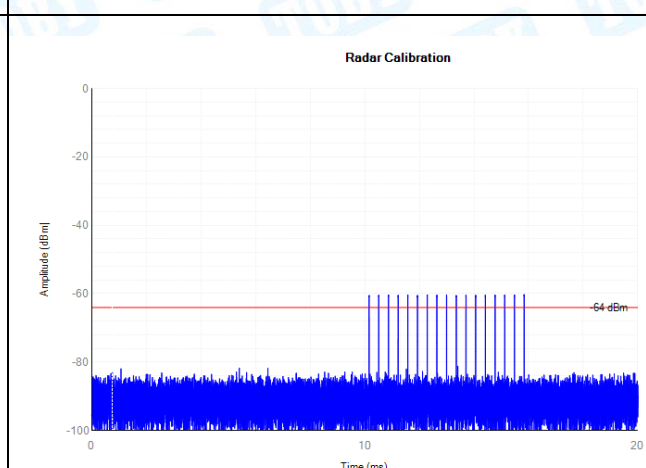
**Radar #1**



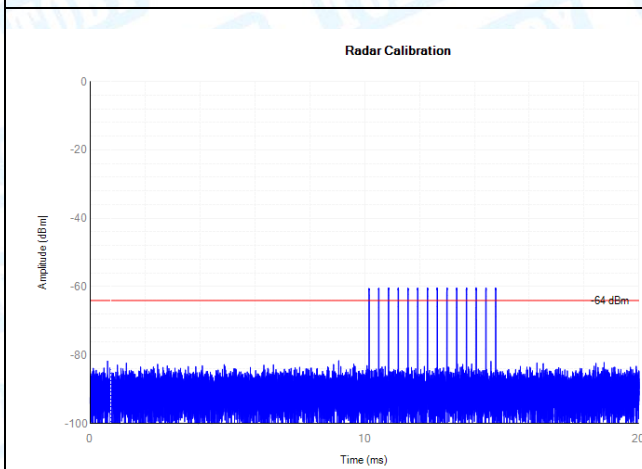
**Radar #2**



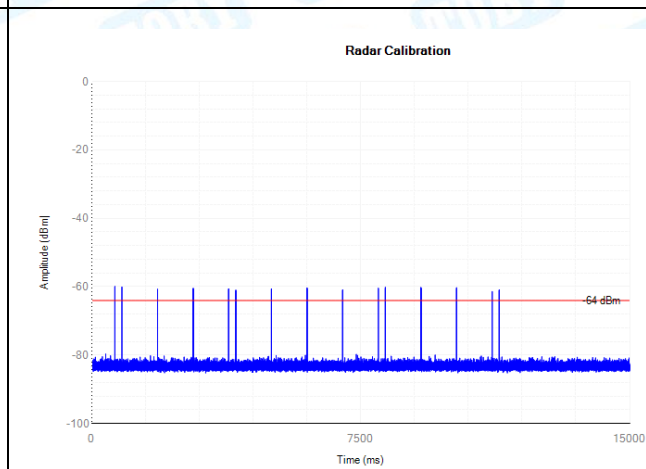
**Radar #3**



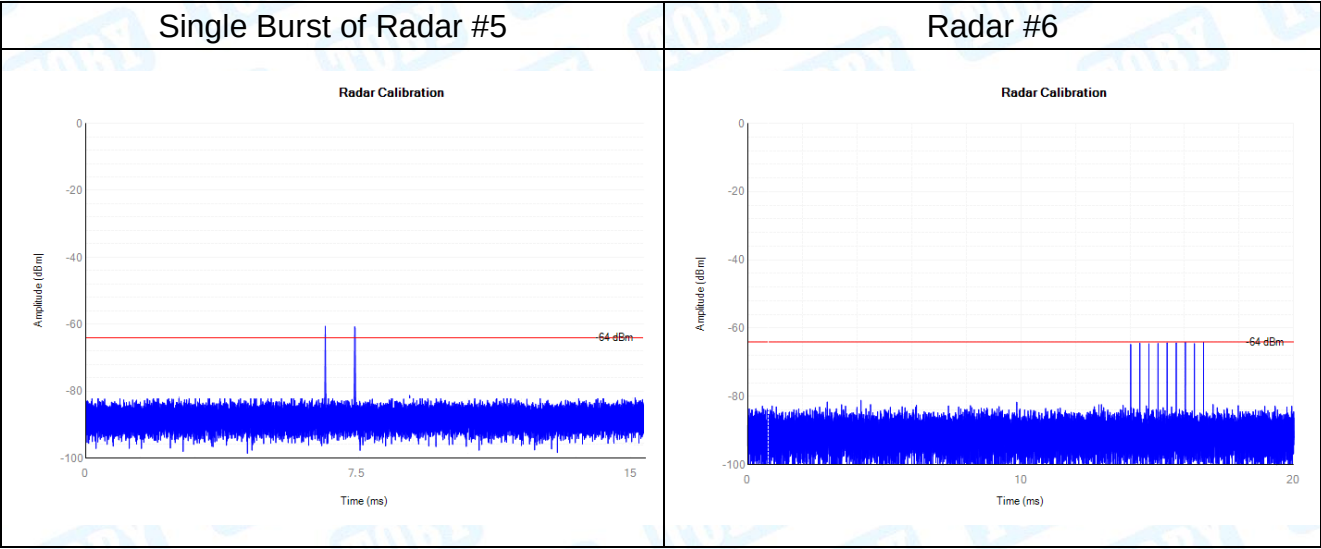
**Radar #4**



**Radar #5**







Trace  
Ref Level



### 6.3. UNII Detection Bandwidth

#### 6.3.1. UNII Detection Bandwidth Limit

| Frequency (MHz) | Nominal Bandwidth (MHz) | 99% Power Bandwidth (MHz) |
|-----------------|-------------------------|---------------------------|
| 5300(ac VHT20)  | 20                      | 17.77                     |
| 5270(ac VHT40)  | 40                      | 36.44                     |
| 5500(ac VHT20)  | 20                      | 17.77                     |
| 5510(ac VHT40)  | 40                      | 36.46                     |

UNII Detection Bandwidth is minimum 100% of the 99% power bandwidth. A single radar Burst is generated for a minimum of 10 trials, and the response of the UUT is noted. The UUT must detect the Radar Waveform 90% or more of the time.

#### 6.3.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 6.3.3. Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>☒ Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.1 for UNII Detection Bandwidth test. During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic. The EUT is set up as a standalone device (no associated Client and no traffic). The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as FH. The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as FL. UNII Detection Bandwidth = FH -FL</p> |



### 6.3.4. Test Result of UNII Detection Bandwidth

#### Channel 5300MHz

| Radar Type              |                                             |   |   |   | 0  |   |   |   |   |    |                    |                |  |
|-------------------------|---------------------------------------------|---|---|---|----|---|---|---|---|----|--------------------|----------------|--|
| Channel Bandwidth (MHz) |                                             |   |   |   | 20 |   |   |   |   |    |                    |                |  |
| Radar Freq. (MHz)       | Trial Number (Y=Detection, N= No Detection) |   |   |   |    |   |   |   |   |    | Detection Rate (%) | FL/FH          |  |
|                         | 1                                           | 2 | 3 | 4 | 5  | 6 | 7 | 8 | 9 | 10 |                    |                |  |
| 5290                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5291                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                | FL             |  |
| 5292                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5293                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5294                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5295                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5296                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5297                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5298                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5299                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5300                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5301                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5302                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5303                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5034                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5035                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5036                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5037                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5038                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                |                |  |
| 5039                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 100                | F <sub>H</sub> |  |
| 5030                    | Y                                           | Y | Y | Y | Y  | Y | Y | Y | Y | Y  | 90                 |                |  |
| EUT Bandwidth (MHz)     |                                             |   |   |   |    |   |   |   |   |    |                    | 17.863         |  |
| Result                  |                                             |   |   |   |    |   |   |   |   |    |                    | PASS           |  |

#### Channel 5500MHz



| Radar Type              |                                             | 0  |   |   |   |   |   |   |   |    |                    |        |
|-------------------------|---------------------------------------------|----|---|---|---|---|---|---|---|----|--------------------|--------|
| Channel Bandwidth (MHz) |                                             | 20 |   |   |   |   |   |   |   |    |                    |        |
| Radar Freq. (MHz)       | Trial Number (Y=Detection, N= No Detection) |    |   |   |   |   |   |   |   |    | Detection Rate (%) | FL/FH  |
|                         | 1                                           | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |        |
| 5490                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5491                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FL     |
| 5492                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5493                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5494                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5495                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5496                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5497                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5498                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5499                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5500                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5501                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5502                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5503                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5504                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5505                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5506                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5507                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5508                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5509                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FH     |
| 5510                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| EUT Bandwidth (MHz)     |                                             |    |   |   |   |   |   |   |   |    |                    | 17.857 |
| Result                  |                                             |    |   |   |   |   |   |   |   |    |                    | PASS   |



| Radar Type              |                                             | 0  |   |   |   |   |   |   |   |    |                    |        |
|-------------------------|---------------------------------------------|----|---|---|---|---|---|---|---|----|--------------------|--------|
| Channel Bandwidth (MHz) |                                             | 40 |   |   |   |   |   |   |   |    |                    |        |
| Radar Freq. (MHz)       | Trial Number (Y=Detection, N= No Detection) |    |   |   |   |   |   |   |   |    | Detection Rate (%) | FL/FH  |
|                         | 1                                           | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |        |
| 5249                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5250                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5251                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FL     |
| 5252                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5253                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5254                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5255                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5260                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5265                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5270                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5275                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5280                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5285                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5286                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5287                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5288                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5289                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FH     |
| 5290                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5291                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| EUT Bandwidth (MHz)     |                                             |    |   |   |   |   |   |   |   |    |                    | 36.505 |
| Result                  |                                             |    |   |   |   |   |   |   |   |    |                    | PASS   |



## Channel 5510MHz

| Radar Type              |                                             | 0  |   |   |   |   |   |   |   |    |                    |        |
|-------------------------|---------------------------------------------|----|---|---|---|---|---|---|---|----|--------------------|--------|
| Channel Bandwidth (MHz) |                                             | 40 |   |   |   |   |   |   |   |    |                    |        |
| Radar Freq. (MHz)       | Trial Number (Y=Detection, N= No Detection) |    |   |   |   |   |   |   |   |    | Detection Rate (%) | FL/FH  |
|                         | 1                                           | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |        |
| 5489                    | Y                                           | Y  | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |        |
| 5490                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5491                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FL     |
| 5492                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5493                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5494                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5495                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5500                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5505                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5510                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5515                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5520                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5525                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5526                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5527                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5528                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5529                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                | FH     |
| 5530                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| 5531                    | Y                                           | Y  | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |        |
| EUT Bandwidth (MHz)     |                                             |    |   |   |   |   |   |   |   |    |                    | 36.484 |
| Result                  |                                             |    |   |   |   |   |   |   |   |    |                    | PASS   |



## 6.4. Channel Availability Check (CAC)

### 6.4.1. Channel Availability Check Limit

#### Channel Availability Check Limit

- ☒ The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute (60 sec) on the intended operating frequency.

### 6.4.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report

### 6.4.3. Test Procedures

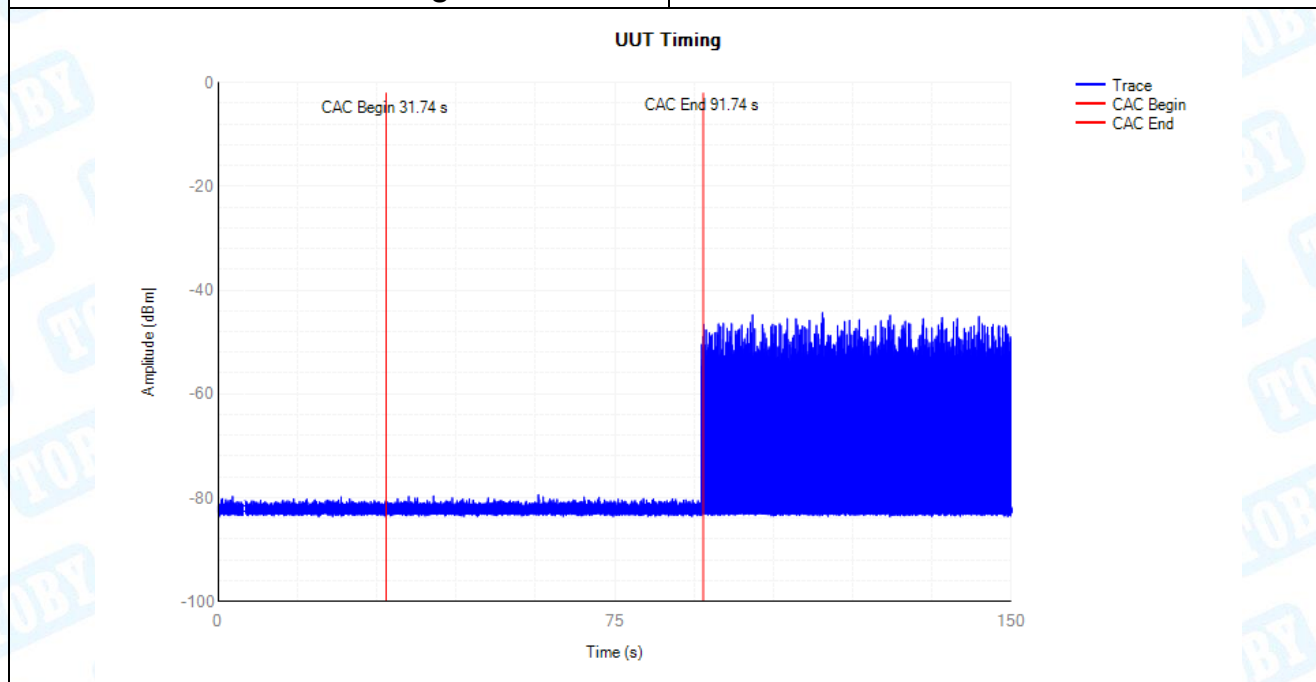
#### Test Method

- ☒ Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.2.1 for Initial Channel Availability Check Time. The EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the UNII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.
- ☒ Refer as FCC 06-96 Appendix, clause 7.8.2.2 for Radar Burst at the Beginning of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the Beginning of the Channel Availability Check Time.
- ☒ Refer as FCC 06-96 Appendix, clause 7.8.2.3 for Radar Burst at the End of the Channel Availability Check Time. To verify successful radar detection on the selected Channel during a period equal to the End of the Channel Availability Check Time.

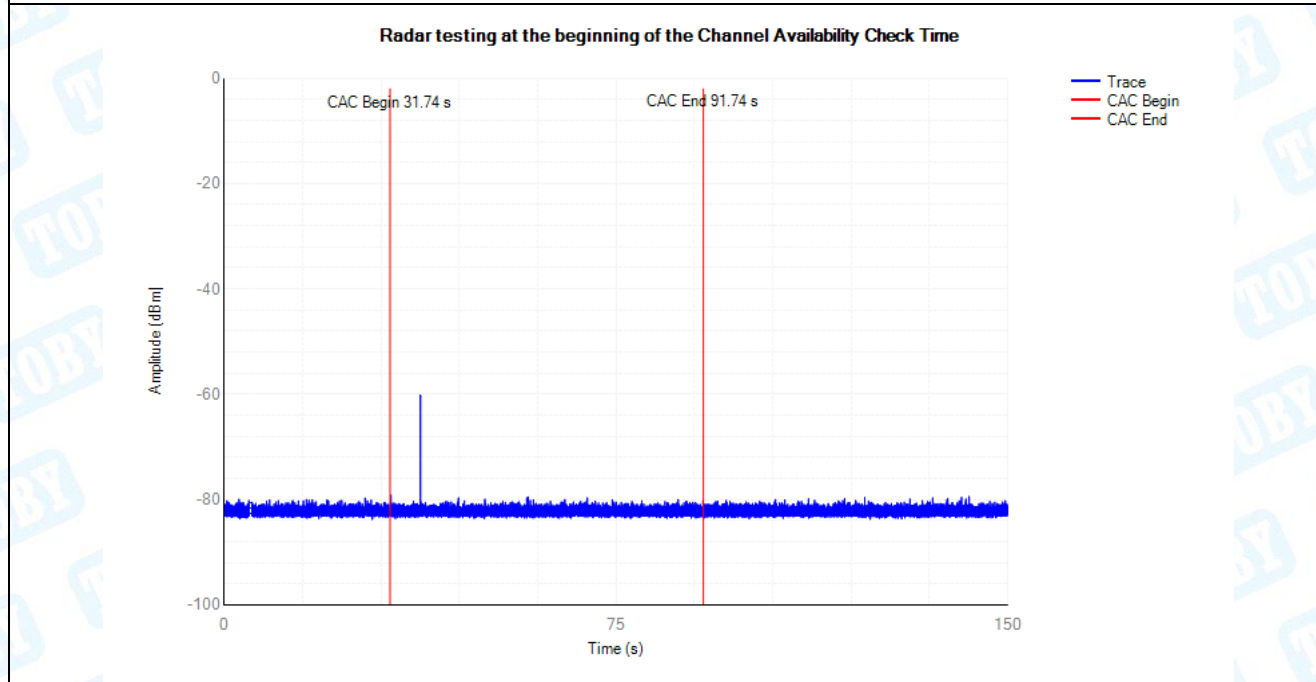


### 6.4.4. Test Result of Channel Availability Check Time

| Initial Channel Availability Check Time Result |            |                   |                     |                |                        |
|------------------------------------------------|------------|-------------------|---------------------|----------------|------------------------|
| Modulation Mode                                | Freq.(MHz) | Radar Test Signal | Power-on Cycle(sec) | CAC Time (sec) | Observation Time (min) |
| VHT40                                          | 5270       | 0                 | 91.74               | 60             | 2.5                    |
| Result 150s Timing Plot                        |            |                   | PASS                |                |                        |



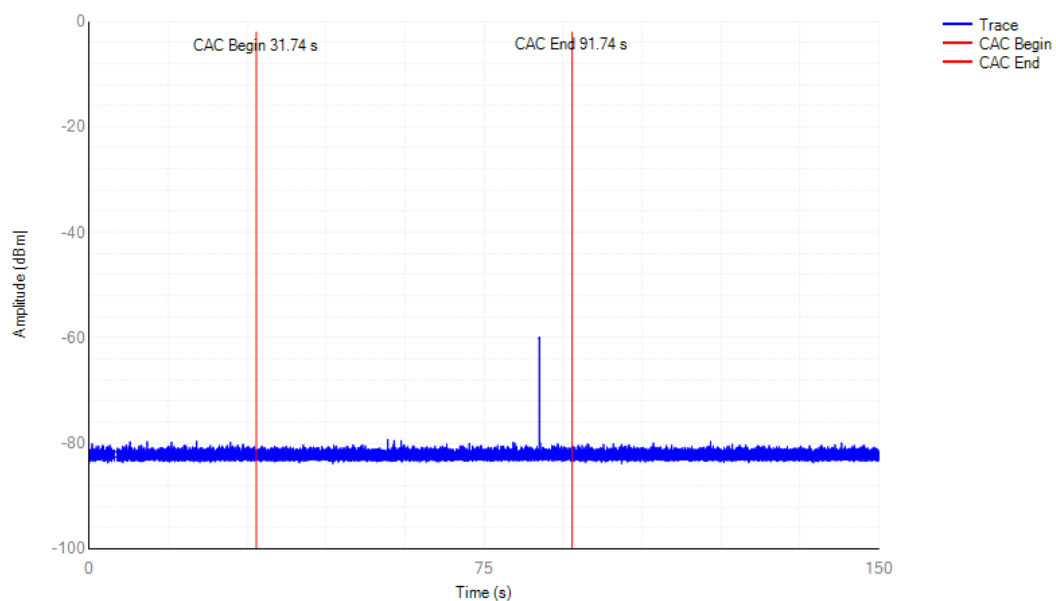
### Beginning CAC of 150s Timing Plot



### End CAC of 150s Timing Plot



Radar testing towards the end of the Channel Availability Check Time



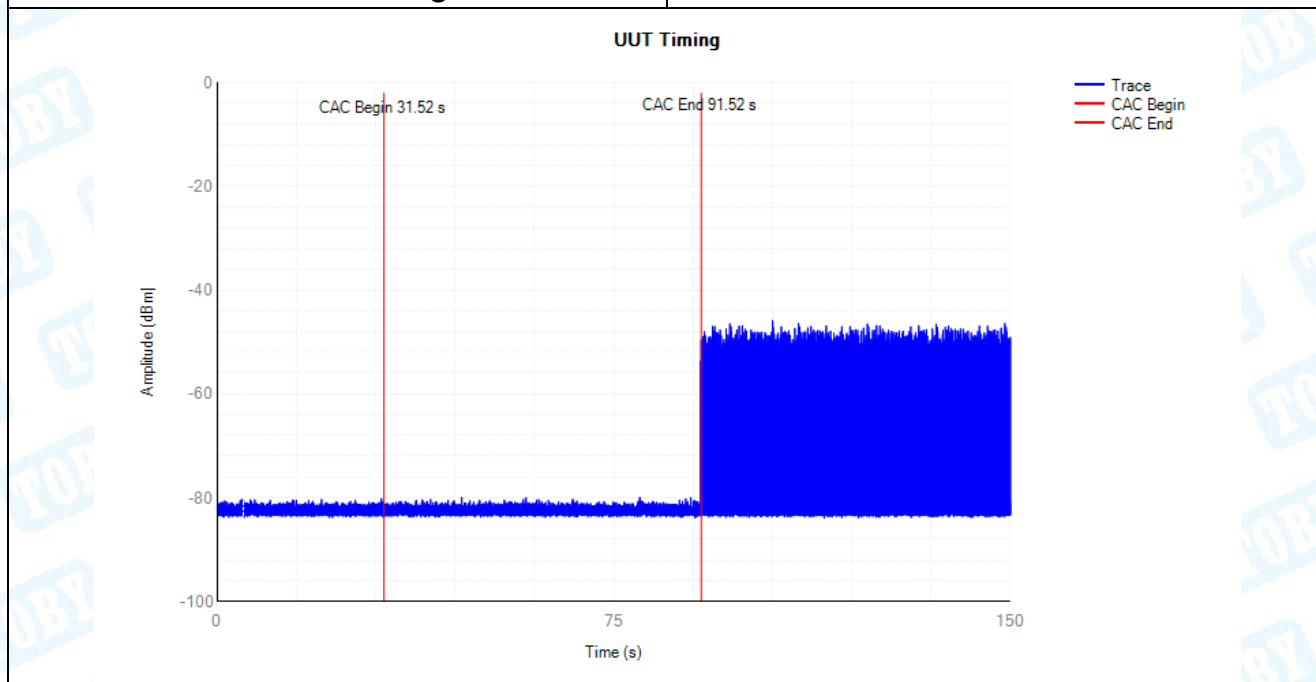


**Initial Channel Availability Check Time Result**

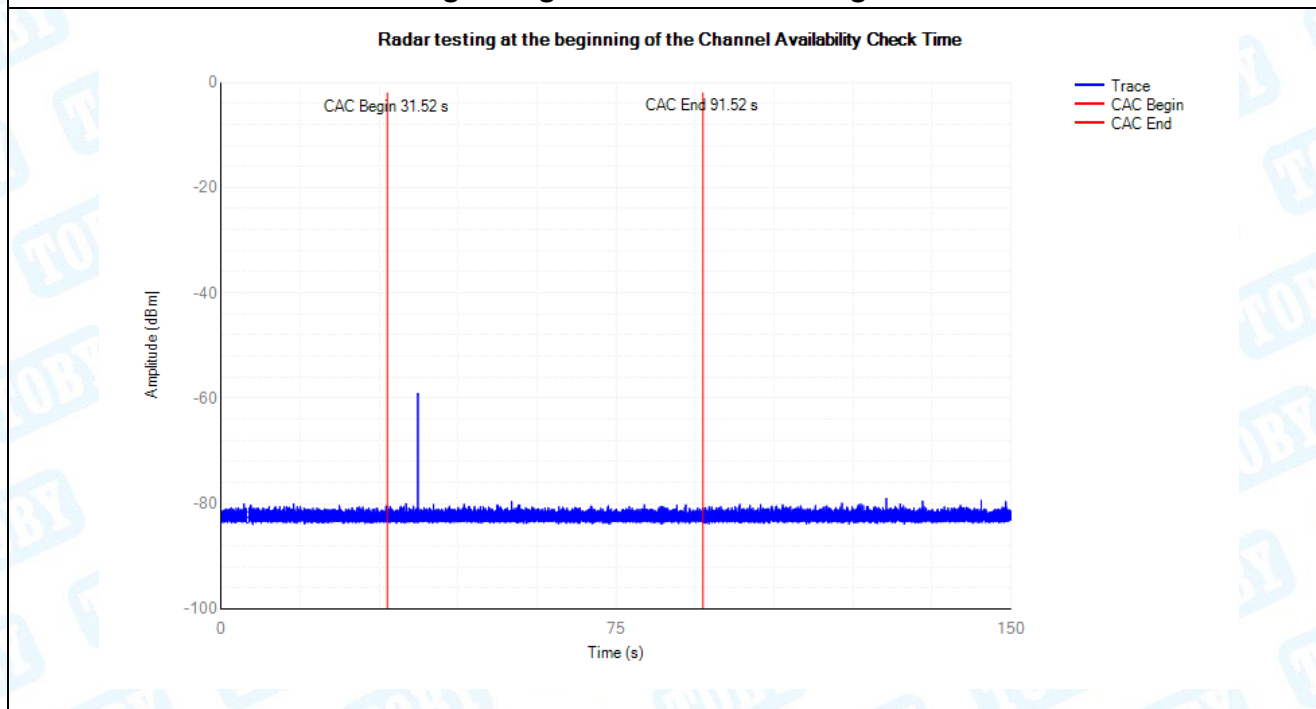
| Modulation Mode | Freq.(MHz) | Radar Test Signal | Power-on Cycle(sec) | CAC Time (sec) | Observation Time (min) |
|-----------------|------------|-------------------|---------------------|----------------|------------------------|
| VHT40           | 5510       | 0                 | 91.52               | 60             | 2.5                    |

**Result 150s Timing Plot**

**PASS**



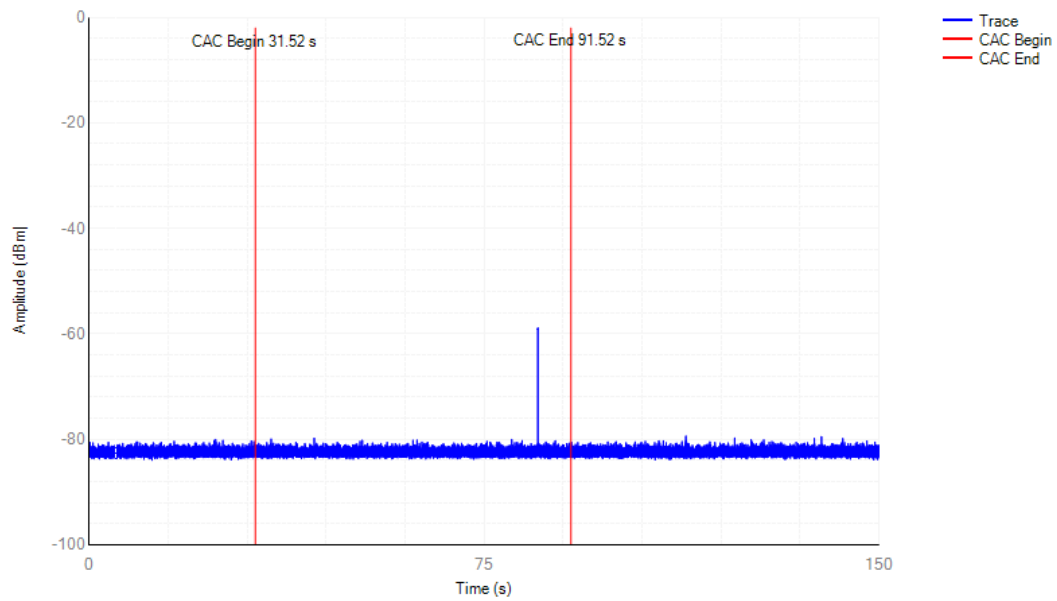
**Beginning CAC of 150s Timing Plot**



**End CAC of 150s Timing Plot**



Radar testing towards the end of the Channel Availability Check Time





## 6.5. In-service Monitoring

### 6.5.1. In-service Monitoring Limit

| In-service Monitoring Limit       |                                                               |
|-----------------------------------|---------------------------------------------------------------|
| Channel Move Time                 | 10 sec                                                        |
| Channel Closing Transmission Time | 200 ms + an aggregate of 60 ms over remaining 10 sec periods. |
| Non-occupancy period              | Minimum 30 minutes                                            |

### 6.5.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report

### 6.5.3. Test Procedures

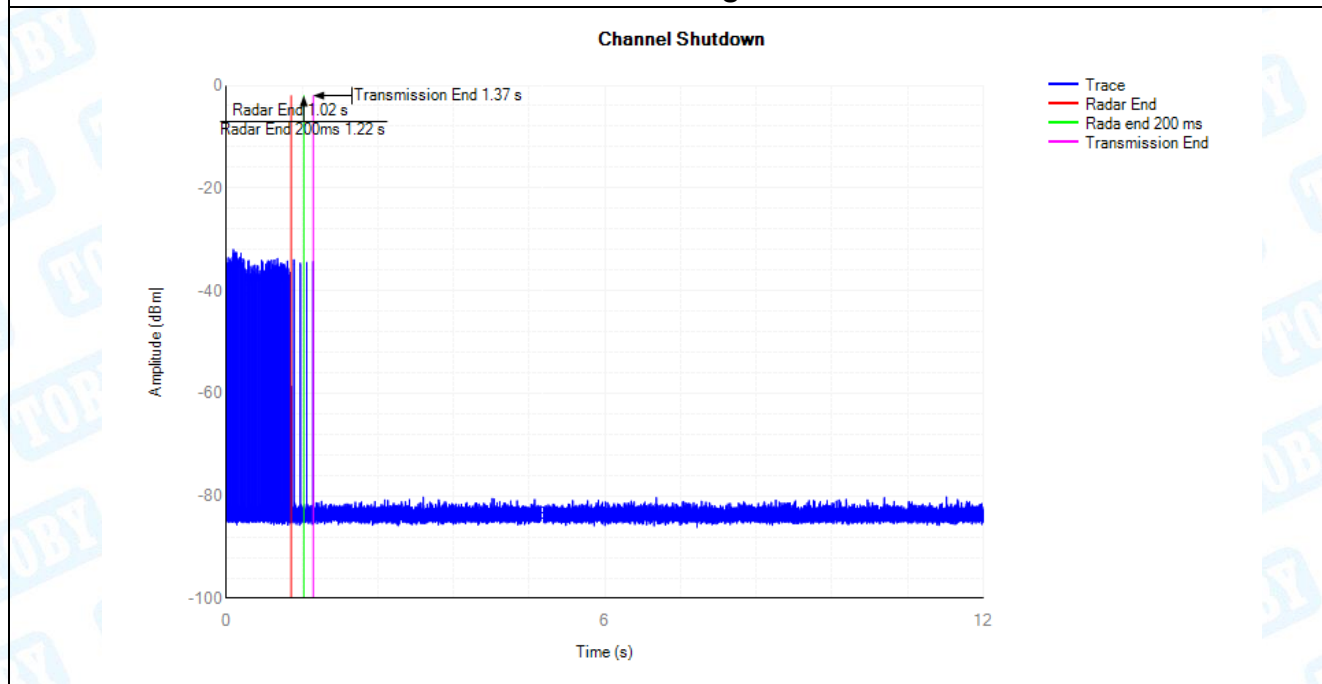
| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.3 verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time limits. |
| <input checked="" type="checkbox"/> Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 8.3 verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One 10 sec plot needs to be reported for the Short Pulse Radar Types 1-4 and one for the Long Pulse Radar Type in a 22 sec plot. And zoom-in a 600 ms plot verified channel closing time for the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.                                     |
| <input checked="" type="checkbox"/> Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.3 verified during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.                                                                 |



### 6.5.4. Test Result of In-service Monitoring

| Channel Closing Transmission Time and Channel Move Time Result |             |                       |                             |                             |                                   |                                        |                                               |         |
|----------------------------------------------------------------|-------------|-----------------------|-----------------------------|-----------------------------|-----------------------------------|----------------------------------------|-----------------------------------------------|---------|
| Modulation Mode                                                | Freq. (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmission Time (s) | Limit Close Transmission Time (s) | Close Transmission Time after 200ms(s) | Limit Close Transmission Time after 200ms (s) | Verdict |
| VHT40                                                          | 5270        | 0.3497                | 10                          | 0.0032                      | 0.26                              | 0.0016                                 | 0.06                                          | Pass    |

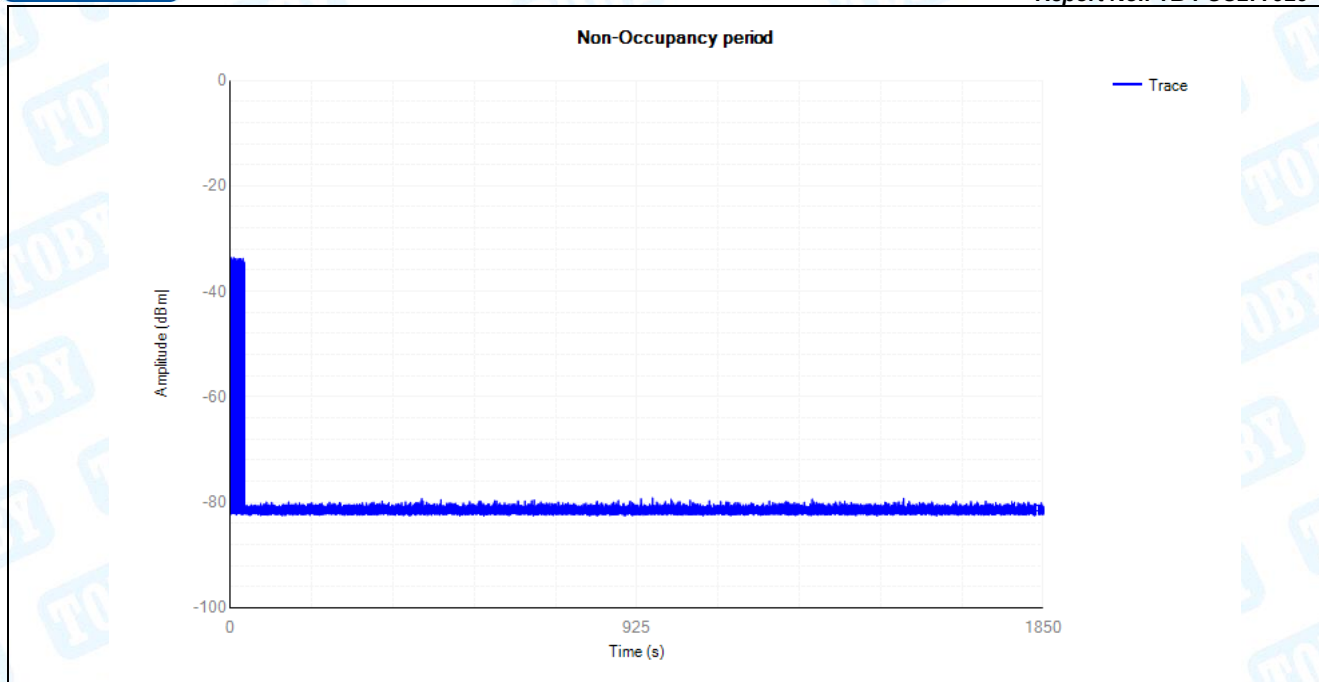
#### 12 sec Timing Plot



#### Non-Occupancy Period Result

| Modulation Mode | Freq. (MHz) | Non-Occupancy Period |       |         |
|-----------------|-------------|----------------------|-------|---------|
|                 |             | Measured             | Limit | Verdict |
| HT40            | 5270        | >30min               | 30min | PASS    |

#### 1850 sec Timing Plot

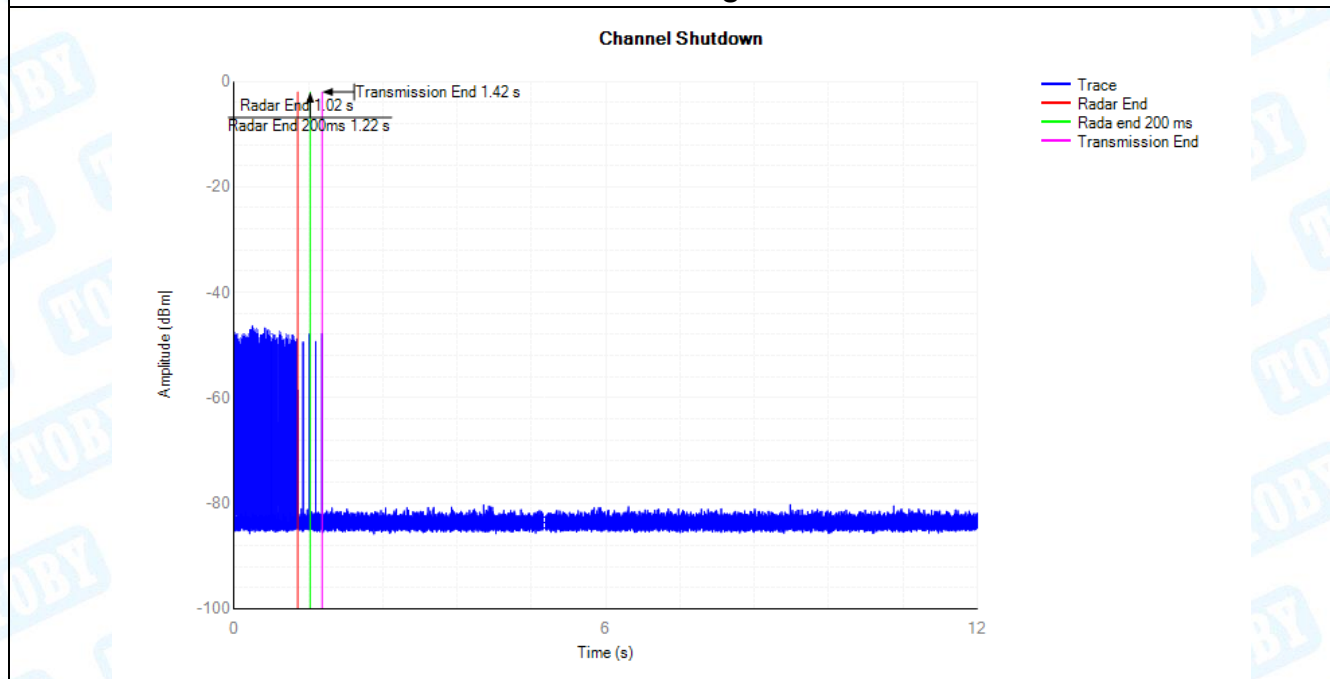




**Channel Closing Transmission Time and Channel Move Time Result**

| Modulation Mode | Freq. (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmission Time (s) | Limit Close Transmission Time (s) | Close Transmission Time after 200ms(s) | Limit Close Transmission Time after 200ms (s) | Verdict |
|-----------------|-------------|-----------------------|-----------------------------|-----------------------------|-----------------------------------|----------------------------------------|-----------------------------------------------|---------|
| VHT40           | 5510        | 0.3933                | 10                          | 0.0032                      | 0.26                              | 0.0016                                 | 0.06                                          | Pass    |

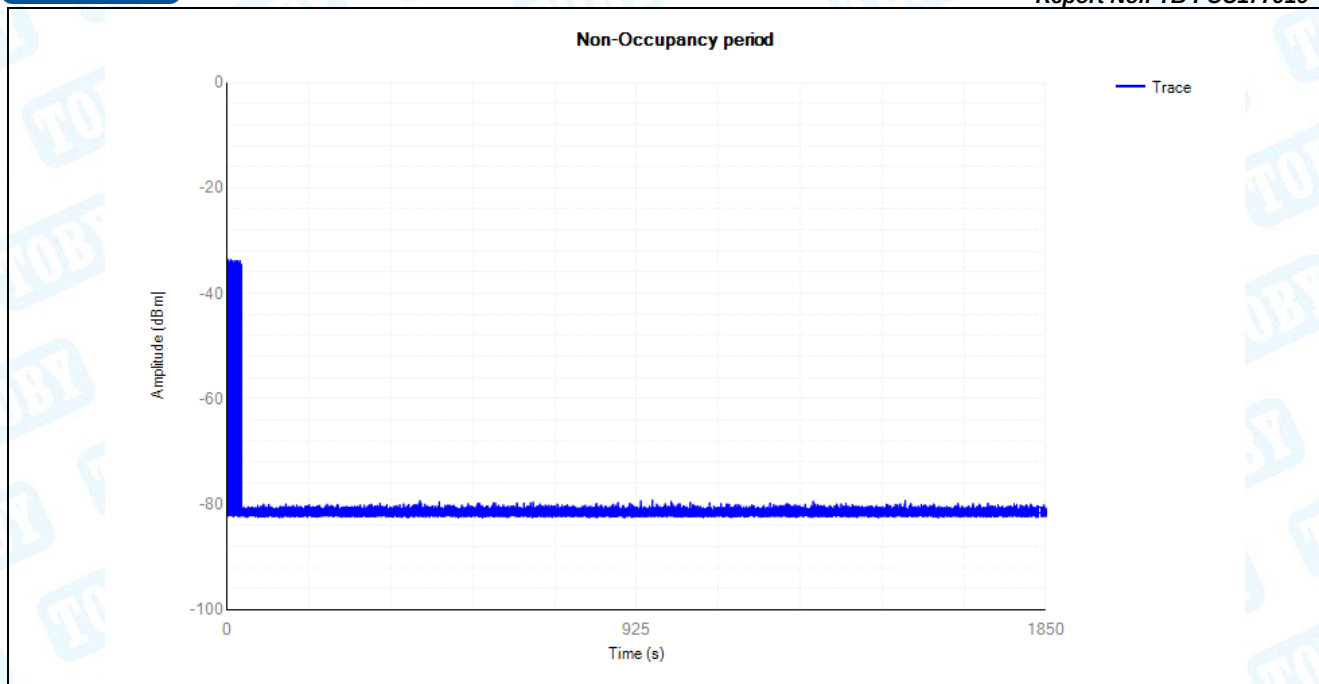
**12 sec Timing Plot**



**Non-Occupancy Period Result**

| Modulation Mode | Freq. (MHz) | Non-Occupancy Period |       |         |
|-----------------|-------------|----------------------|-------|---------|
|                 |             | Measured             | Limit | Verdict |
| VHT40           | 5510        | >30min               | 30min | PASS    |

**1850 sec Timing Plot**





## 6.6. Statistical Performance Check

### 6.6.1. Statistical Performance Check Limit

| Radar Type                  | Minimum Percentage of Successful Detection (Pd) | Minimum Trials |
|-----------------------------|-------------------------------------------------|----------------|
| 1                           | 60%                                             | 30             |
| 2                           | 60%                                             | 30             |
| 3                           | 60%                                             | 30             |
| 4                           | 60%                                             | 30             |
| Aggregate (Radar Types 1-4) | 80%                                             | 120            |
| 5                           | 80%                                             | 30             |
| 6                           | 70%                                             | 30             |

The percentage of successful detection is calculated by:

$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100 = \text{Probability of Detection Radar Waveform}$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{Pd1+Pd2+Pd3+Pd4}{4}$$

### 6.6.2. Measuring Instruments

Refer a test equipment and calibration data table in this test report

### 6.6.3. Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Refer as KDB905462 D02 UNII DFS Compliance Procedures New Rules v02, clause 7.8.4 for Statistical Performance Check test. Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test. Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs. Then Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. |



### 6.6.4. Test Result

Channel 5300MHz / 20MHz BW

| Y=Detection, N= No Detection       |        |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                       | Type1  | Type2  | Type3  | Type4  | Type5  | Type6  |
| 1                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 5                                  | Y      | Y      | Y      | N      | Y      | Y      |
| 6                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 8                                  | Y      | Y      | N      | Y      | Y      | Y      |
| 9                                  | N      | Y      | Y      | Y      | Y      | Y      |
| 10                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 12                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 13                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 15                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 16                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 17                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 18                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 19                                 | Y      | Y      | Y      | Y      | N      | Y      |
| 20                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                                 | N      | Y      | Y      | N      | Y      | Y      |
| 22                                 | Y      | N      | Y      | Y      | Y      | Y      |
| 23                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 24                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 25                                 | Y      | Y      | N      | Y      | Y      | Y      |
| 26                                 | N      | Y      | Y      | Y      | Y      | N      |
| 27                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 28                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 29                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 30                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| Number of Successful Detections    | 27     | 29     | 28     | 28     | 29     | 28     |
| Percentage of Successful Detection | 90.00% | 96.67% | 93.33% | 93.33% | 96.67% | 93.33% |
| Limit                              | ≥60%   | ≥60%   | ≥60%   | ≥60%   | ≥80%   | ≥70%   |
| Aggregate of Radar Types 1-4       |        |        | 95.00% |        | Limit  | ≥80%   |



Channel 5270MHz / 40MHz BW

| Y=Detection, N= No Detection       |        |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                       | Type1  | Type2  | Type3  | Type4  | Type5  | Type6  |
| 1                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                                  | Y      | Y      | Y      | Y      | Y      | N      |
| 5                                  | N      | Y      | Y      | Y      | Y      | Y      |
| 6                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                                  | Y      | Y      | Y      | N      | Y      | Y      |
| 8                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 9                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 10                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                                 | Y      | N      | Y      | Y      | Y      | Y      |
| 12                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 13                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 15                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 16                                 | Y      | Y      | N      | Y      | Y      | Y      |
| 17                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 18                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 19                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 20                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                                 | N      | Y      | Y      | Y      | Y      | Y      |
| 22                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 23                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 24                                 | Y      | N      | N      | Y      | Y      | Y      |
| 25                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 26                                 | Y      | N      | Y      | Y      | N      | Y      |
| 27                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 28                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 29                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 30                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| Number of Successful Detections    | 28     | 27     | 28     | 29     | 29     | 27     |
| Percentage of Successful Detection | 93.33% | 90.00% | 93.33% | 96.67% | 96.67% | 90.00% |
| Limit                              | ≥60%   | ≥60%   | ≥60%   | ≥60%   | ≥80%   | ≥70%   |
| Aggregate of Radar Types 1-4       |        |        | 96.67% |        | Limit  | ≥80%   |

## Channel 5500MHz / 20MHz BW

| Y=Detection, N= No Detection       |        |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                       | Type1  | Type2  | Type3  | Type4  | Type5  | Type6  |
| 1                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                                  | Y      | Y      | N      | Y      | Y      | Y      |
| 5                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 6                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                                  | Y      | Y      | Y      | Y      | Y      | N      |
| 8                                  | Y      | Y      | Y      | Y      | N      | Y      |
| 9                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 10                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 12                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 13                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                                 | N      | Y      | Y      | Y      | Y      | Y      |
| 15                                 | Y      | Y      | Y      | Y      | N      | Y      |
| 16                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 17                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 18                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 19                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 20                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                                 | Y      | N      | Y      | Y      | Y      | Y      |
| 22                                 | Y      | Y      | Y      | N      | Y      | Y      |
| 23                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 24                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 25                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 26                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 27                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 28                                 | Y      | Y      | Y      | N      | Y      | Y      |
| 29                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 30                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| Number of Successful Detections    | 29     | 29     | 29     | 28     | 28     | 27     |
| Percentage of Successful Detection | 96.67% | 96.67% | 96.67% | 93.33% | 93.33% | 90.00% |
| Limit                              | ≥60%   | ≥60%   | ≥60%   | ≥60%   | ≥80%   | ≥70%   |
| Aggregate of Radar Types 1-4       |        |        | 96.67% |        | Limit  | ≥80%   |



## Channel 5510MHz / 40MHz BW

| Y=Detection, N= No Detection       |        |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                       | Type1  | Type2  | Type3  | Type4  | Type5  | Type6  |
| 1                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 5                                  | Y      | N      | Y      | N      | Y      | Y      |
| 6                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 8                                  | Y      | Y      | Y      | Y      | Y      | Y      |
| 9                                  | Y      | Y      | N      | Y      | N      | Y      |
| 10                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 12                                 | N      | Y      | Y      | Y      | Y      | Y      |
| 13                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 15                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 16                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 17                                 | Y      | N      | Y      | Y      | Y      | Y      |
| 18                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 19                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 20                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                                 | Y      | Y      | Y      | Y      | N      | Y      |
| 22                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 23                                 | Y      | Y      | N      | Y      | Y      | Y      |
| 24                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 25                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 26                                 | Y      | N      | Y      | Y      | Y      | Y      |
| 27                                 | Y      | Y      | Y      | N      | Y      | Y      |
| 28                                 | Y      | Y      | Y      | Y      | Y      | N      |
| 29                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| 30                                 | Y      | Y      | Y      | Y      | Y      | Y      |
| Number of Successful Detections    | 28     | 30     | 28     | 28     | 28     | 28     |
| Percentage of Successful Detection | 93.33% | 90.00% | 93.33% | 93.33% | 93.33% | 93.33% |
| Limit                              | ≥60%   | ≥60%   | ≥60%   | ≥60%   | ≥80%   | ≥70%   |
| Aggregate of Radar Types 1-4       |        |        | 96.67% |        | Limit  | ≥80%   |

### 6.6.5. Detection Data Sheet for Radar Types 1, 5, and 6

#### Band2A

| Y=Detection, N= No Detection |        |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                 | Type1  |        | Type5  |        | Type6  |        |
|                              | CH5300 | CH5270 | CH5300 | CH5270 | CH5300 | CH5270 |
| 1                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                            | Y      | Y      | Y      | Y      | Y      | N      |
| 5                            | Y      | N      | Y      | Y      | Y      | Y      |
| 6                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 8                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 9                            | N      | Y      | Y      | Y      | Y      | Y      |
| 10                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 12                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 13                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 15                           | Y      | Y      | Y      | Y      | Y      | N      |
| 16                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 17                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 18                           | Y      | Y      | Y      | Y      | N      | Y      |
| 19                           | Y      | Y      | N      | Y      | Y      | Y      |
| 20                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                           | N      | N      | Y      | Y      | Y      | Y      |
| 22                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 23                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 24                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 25                           | Y      | Y      | Y      | Y      | Y      | N      |
| 26                           | N      | Y      | Y      | N      | N      | Y      |
| 27                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 28                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 29                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 30                           | Y      | Y      | Y      | Y      | Y      | Y      |
| Y=Detection, N= No Detection |        |        |        |        |        |        |



**Band2C**

| Y=Detection, N= No Detection |        |        |        |        |        |        |
|------------------------------|--------|--------|--------|--------|--------|--------|
| Trial Number                 | Type1  |        | Type5  |        | Type6  |        |
|                              | CH5500 | CH5510 | CH5500 | CH5510 | CH5500 | CH5510 |
| 1                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 2                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 3                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 4                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 5                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 6                            | Y      | Y      | Y      | Y      | Y      | Y      |
| 7                            | Y      | Y      | Y      | Y      | N      | Y      |
| 8                            | Y      | Y      | N      | Y      | Y      | Y      |
| 9                            | Y      | Y      | Y      | N      | Y      | Y      |
| 10                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 11                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 12                           | Y      | N      | Y      | Y      | Y      | Y      |
| 13                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 14                           | N      | Y      | Y      | Y      | Y      | N      |
| 15                           | Y      | Y      | N      | Y      | Y      | Y      |
| 16                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 17                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 18                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 19                           | Y      | Y      | N      | Y      | N      | Y      |
| 20                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 21                           | Y      | Y      | Y      | N      | Y      | Y      |
| 22                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 23                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 24                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 25                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 26                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 27                           | Y      | Y      | Y      | Y      | Y      | Y      |
| 28                           | Y      | Y      | Y      | Y      | Y      | N      |
| 29                           | Y      | Y      | Y      | Y      | N      | Y      |
| 30                           | Y      | Y      | Y      | Y      | Y      | Y      |
| Y=Detection, N= No Detection |        |        |        |        |        |        |

### 6.6.6. Data Sheet for Radar Type 2

Band2A

| Radar Type                   | 2                |          |                |        |        |
|------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                      | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5300 | CH5270 |
| 1                            | 3.6              | 170      | 28             | Y      | Y      |
| 2                            | 4.7              | 179      | 27             | Y      | Y      |
| 3                            | 4.3              | 213      | 29             | Y      | Y      |
| 4                            | 2.1              | 200      | 27             | Y      | Y      |
| 5                            | 4.5              | 189      | 27             | Y      | Y      |
| 6                            | 2.3              | 230      | 28             | Y      | Y      |
| 7                            | 2.1              | 155      | 23             | Y      | Y      |
| 8                            | 4.2              | 168      | 26             | Y      | Y      |
| 9                            | 1.9              | 158      | 24             | Y      | Y      |
| 10                           | 2                | 221      | 23             | Y      | Y      |
| 11                           | 4                | 228      | 28             | Y      | N      |
| 12                           | 2.1              | 189      | 27             | Y      | Y      |
| 13                           | 2                | 228      | 27             | Y      | Y      |
| 14                           | 4.9              | 210      | 27             | Y      | Y      |
| 15                           | 3.8              | 180      | 27             | Y      | Y      |
| 16                           | 1.9              | 190      | 25             | Y      | Y      |
| 17                           | 2.9              | 223      | 26             | Y      | Y      |
| 18                           | 1.7              | 169      | 26             | Y      | Y      |
| 19                           | 1.7              | 207      | 25             | Y      | Y      |
| 20                           | 1.7              | 175      | 28             | Y      | Y      |
| 21                           | 1.1              | 152      | 29             | Y      | Y      |
| 22                           | 1.6              | 168      | 27             | N      | Y      |
| 23                           | 1.8              | 177      | 25             | Y      | Y      |
| 24                           | 2.8              | 198      | 27             | Y      | N      |
| 25                           | 4                | 151      | 27             | Y      | Y      |
| 26                           | 3                | 155      | 28             | Y      | N      |
| 27                           | 1.4              | 188      | 24             | Y      | Y      |
| 28                           | 2                | 178      | 25             | Y      | Y      |
| 29                           | 3.3              | 173      | 25             | Y      | Y      |
| 30                           | 2.8              | 208      | 28             | Y      | Y      |
| Detection Percentage (%)     |                  |          |                | 96.67  | 90.0   |
| Y=Detection, N= No Detection |                  |          |                |        |        |



## Band2C

| Radar Type                   | 2                |          |                |        |        |
|------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                      | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5500 | CH5510 |
| 1                            | 3.6              | 170      | 28             | Y      | Y      |
| 2                            | 4.7              | 179      | 27             | Y      | Y      |
| 3                            | 4.3              | 213      | 29             | Y      | Y      |
| 4                            | 2.1              | 200      | 27             | Y      | Y      |
| 5                            | 4.5              | 189      | 27             | Y      | N      |
| 6                            | 2.3              | 230      | 28             | Y      | Y      |
| 7                            | 2.1              | 155      | 23             | Y      | Y      |
| 8                            | 4.2              | 168      | 26             | Y      | Y      |
| 9                            | 1.9              | 158      | 24             | Y      | Y      |
| 10                           | 2                | 221      | 23             | Y      | Y      |
| 11                           | 4                | 228      | 28             | Y      | Y      |
| 12                           | 2.1              | 189      | 27             | Y      | Y      |
| 13                           | 2                | 228      | 27             | Y      | Y      |
| 14                           | 4.9              | 210      | 27             | Y      | Y      |
| 15                           | 3.8              | 180      | 27             | Y      | Y      |
| 16                           | 1.9              | 190      | 25             | Y      | Y      |
| 17                           | 2.9              | 223      | 26             | Y      | N      |
| 18                           | 1.7              | 169      | 26             | Y      | Y      |
| 19                           | 1.7              | 207      | 25             | Y      | Y      |
| 20                           | 1.7              | 175      | 28             | Y      | Y      |
| 21                           | 1.1              | 152      | 29             | N      | Y      |
| 22                           | 1.6              | 168      | 27             | Y      | Y      |
| 23                           | 1.8              | 177      | 25             | Y      | Y      |
| 24                           | 2.8              | 198      | 27             | Y      | Y      |
| 25                           | 4                | 151      | 27             | Y      | Y      |
| 26                           | 3                | 155      | 28             | Y      | N      |
| 27                           | 1.4              | 188      | 24             | Y      | Y      |
| 28                           | 2                | 178      | 25             | Y      | Y      |
| 29                           | 3.3              | 173      | 25             | Y      | Y      |
| 30                           | 2.8              | 208      | 28             | Y      | Y      |
| Detection Percentage (%)     |                  |          |                | 96.67  | 90.00  |
| Y=Detection, N= No Detection |                  |          |                |        |        |



### 6.6.7. Data Sheet for Radar Type 3

Band2A

| Radar Type                   | 3                |          |                |        |        |
|------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                      | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5300 | CH5270 |
| 1                            | 6.4              | 390      | 17             | Y      | Y      |
| 2                            | 9.1              | 410      | 17             | Y      | Y      |
| 3                            | 9.4              | 490      | 17             | Y      | Y      |
| 4                            | 7.6              | 395      | 17             | Y      | Y      |
| 5                            | 7.9              | 201      | 17             | Y      | Y      |
| 6                            | 9.1              | 227      | 16             | Y      | Y      |
| 7                            | 7.8              | 477      | 16             | Y      | Y      |
| 8                            | 7.2              | 497      | 16             | N      | Y      |
| 9                            | 7.9              | 491      | 16             | Y      | Y      |
| 10                           | 8.5              | 304      | 16             | Y      | Y      |
| 11                           | 10               | 443      | 17             | Y      | Y      |
| 12                           | 8.1              | 264      | 18             | Y      | Y      |
| 13                           | 7.7              | 461      | 17             | Y      | Y      |
| 14                           | 6.1              | 242      | 17             | Y      | Y      |
| 15                           | 7.8              | 331      | 18             | Y      | Y      |
| 16                           | 7.8              | 481      | 17             | Y      | N      |
| 17                           | 6.6              | 325      | 18             | Y      | Y      |
| 18                           | 6.6              | 239      | 17             | Y      | Y      |
| 19                           | 6                | 258      | 17             | Y      | Y      |
| 20                           | 6.8              | 464      | 18             | Y      | Y      |
| 21                           | 9.1              | 288      | 17             | Y      | Y      |
| 22                           | 6.1              | 375      | 17             | Y      | Y      |
| 23                           | 8.8              | 377      | 17             | Y      | Y      |
| 24                           | 9.5              | 293      | 17             | Y      | N      |
| 25                           | 9.1              | 437      | 18             | N      | Y      |
| 26                           | 6.7              | 290      | 17             | Y      | Y      |
| 27                           | 7.2              | 481      | 16             | Y      | Y      |
| 28                           | 9.4              | 315      | 18             | Y      | Y      |
| 29                           | 6.9              | 356      | 17             | Y      | Y      |
| 30                           | 9.6              | 385      | 16             | Y      | Y      |
| Detection Percentage (%)     |                  |          |                | 93.33  | 93.33  |
| Y=Detection, N= No Detection |                  |          |                |        |        |



| Radar Type                          | 3                |          |                |        |        |
|-------------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                             | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5500 | CH5510 |
| 1                                   | 6.4              | 390      | 17             | Y      | Y      |
| 2                                   | 9.1              | 410      | 17             | Y      | Y      |
| 3                                   | 9.4              | 490      | 17             | Y      | Y      |
| 4                                   | 7.6              | 395      | 17             | N      | Y      |
| 5                                   | 7.9              | 201      | 17             | Y      | Y      |
| 6                                   | 9.1              | 227      | 16             | Y      | Y      |
| 7                                   | 7.8              | 477      | 16             | Y      | Y      |
| 8                                   | 7.2              | 497      | 16             | Y      | Y      |
| 9                                   | 7.9              | 491      | 16             | Y      | N      |
| 10                                  | 8.5              | 304      | 16             | Y      | Y      |
| 11                                  | 10               | 443      | 17             | Y      | Y      |
| 12                                  | 8.1              | 264      | 18             | Y      | Y      |
| 13                                  | 7.7              | 461      | 17             | Y      | Y      |
| 14                                  | 6.1              | 242      | 17             | Y      | Y      |
| 15                                  | 7.8              | 331      | 18             | Y      | Y      |
| 16                                  | 7.8              | 481      | 17             | Y      | Y      |
| 17                                  | 6.6              | 325      | 18             | Y      | Y      |
| 18                                  | 6.6              | 239      | 17             | Y      | Y      |
| 19                                  | 6                | 258      | 17             | Y      | Y      |
| 20                                  | 6.8              | 464      | 18             | Y      | Y      |
| 21                                  | 9.1              | 288      | 17             | Y      | Y      |
| 22                                  | 6.1              | 375      | 17             | Y      | Y      |
| 23                                  | 8.8              | 377      | 17             | Y      | N      |
| 24                                  | 9.5              | 293      | 17             | Y      | Y      |
| 25                                  | 9.1              | 437      | 18             | Y      | Y      |
| 26                                  | 6.7              | 290      | 17             | Y      | Y      |
| 27                                  | 7.2              | 481      | 16             | Y      | Y      |
| 28                                  | 9.4              | 315      | 18             | Y      | Y      |
| 29                                  | 6.9              | 356      | 17             | Y      | Y      |
| 30                                  | 9.6              | 385      | 16             | Y      | Y      |
| Detection Percentage (%)            |                  |          |                | 96.67  | 93.33  |
| Note 1: 1=Detection ;0=No Detection |                  |          |                |        |        |



### 6.6.8. Data Sheet for Radar Type 4

Band2A

| Radar Type                          | 4                |          |                |        |        |
|-------------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                             | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5300 | CH5270 |
| 1                                   | 18.2             | 424      | 13             | Y      | Y      |
| 2                                   | 17               | 283      | 15             | Y      | Y      |
| 3                                   | 11.4             | 386      | 12             | Y      | Y      |
| 4                                   | 14.2             | 471      | 13             | Y      | Y      |
| 5                                   | 13.9             | 399      | 15             | N      | Y      |
| 6                                   | 18.7             | 252      | 14             | Y      | Y      |
| 7                                   | 11.4             | 370      | 12             | Y      | N      |
| 8                                   | 17.5             | 283      | 15             | Y      | Y      |
| 9                                   | 14.1             | 391      | 16             | Y      | Y      |
| 10                                  | 16.4             | 229      | 15             | Y      | Y      |
| 11                                  | 15.8             | 327      | 14             | Y      | Y      |
| 12                                  | 18.8             | 317      | 15             | Y      | Y      |
| 13                                  | 17.7             | 433      | 13             | Y      | Y      |
| 14                                  | 16.3             | 312      | 15             | Y      | Y      |
| 15                                  | 15               | 486      | 16             | Y      | Y      |
| 16                                  | 16.9             | 393      | 14             | Y      | Y      |
| 17                                  | 19.3             | 354      | 12             | Y      | Y      |
| 18                                  | 15.2             | 353      | 13             | Y      | Y      |
| 19                                  | 14               | 478      | 13             | Y      | Y      |
| 20                                  | 16               | 408      | 16             | Y      | Y      |
| 21                                  | 16.4             | 317      | 12             | N      | Y      |
| 22                                  | 19.2             | 464      | 14             | Y      | Y      |
| 23                                  | 16.2             | 301      | 12             | Y      | Y      |
| 24                                  | 11.1             | 226      | 14             | Y      | Y      |
| 25                                  | 14               | 315      | 16             | Y      | Y      |
| 26                                  | 15.7             | 293      | 12             | Y      | Y      |
| 27                                  | 19.3             | 398      | 14             | Y      | Y      |
| 28                                  | 15.7             | 324      | 15             | Y      | Y      |
| 29                                  | 15.4             | 394      | 13             | Y      | Y      |
| 30                                  | 15.5             | 376      | 13             | Y      | Y      |
| Detection Percentage (%)            |                  |          |                | 93.33  | 96.67  |
| Note 1: 1=Detection ;0=No Detection |                  |          |                |        |        |



| Radar Type                          | 4                |          |                |        |        |
|-------------------------------------|------------------|----------|----------------|--------|--------|
| Trail #                             | Pulse Width (us) | PRI (us) | Pulses / Burst | CH5500 | CH5510 |
| 1                                   | 18.2             | 424      | 13             | Y      | Y      |
| 2                                   | 17               | 283      | 15             | Y      | Y      |
| 3                                   | 11.4             | 386      | 12             | Y      | Y      |
| 4                                   | 14.2             | 471      | 13             | Y      | Y      |
| 5                                   | 13.9             | 399      | 15             | Y      | N      |
| 6                                   | 18.7             | 252      | 14             | Y      | Y      |
| 7                                   | 11.4             | 370      | 12             | Y      | Y      |
| 8                                   | 17.5             | 283      | 15             | Y      | Y      |
| 9                                   | 14.1             | 391      | 16             | Y      | Y      |
| 10                                  | 16.4             | 229      | 15             | Y      | Y      |
| 11                                  | 15.8             | 327      | 14             | Y      | Y      |
| 12                                  | 18.8             | 317      | 15             | Y      | Y      |
| 13                                  | 17.7             | 433      | 13             | Y      | Y      |
| 14                                  | 16.3             | 312      | 15             | Y      | Y      |
| 15                                  | 15               | 486      | 16             | Y      | Y      |
| 16                                  | 16.9             | 393      | 14             | Y      | Y      |
| 17                                  | 19.3             | 354      | 12             | Y      | Y      |
| 18                                  | 15.2             | 353      | 13             | Y      | Y      |
| 19                                  | 14               | 478      | 13             | Y      | Y      |
| 20                                  | 16               | 408      | 16             | Y      | Y      |
| 21                                  | 16.4             | 317      | 12             | Y      | Y      |
| 22                                  | 19.2             | 464      | 14             | N      | Y      |
| 23                                  | 16.2             | 301      | 12             | Y      | Y      |
| 24                                  | 11.1             | 226      | 14             | Y      | Y      |
| 25                                  | 14               | 315      | 16             | Y      | Y      |
| 26                                  | 15.7             | 293      | 12             | Y      | Y      |
| 27                                  | 19.3             | 398      | 14             | Y      | N      |
| 28                                  | 15.7             | 324      | 15             | N      | Y      |
| 29                                  | 15.4             | 394      | 13             | Y      | Y      |
| 30                                  | 15.5             | 376      | 13             | Y      | Y      |
| Detection Percentage (%)            |                  |          |                | 93.33  | 93.33  |
| Note 1: 1=Detection ;0=No Detection |                  |          |                |        |        |



### 6.6.9. Parameter Data Sheet for Radar Type 5

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           | Trail #           |                      | 1                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 62.3        | 8                 |                      |                      | 346               |
| 2                                    | 2                | 51.2        | 15                | 1745                 |                      | 2705              |
| 3                                    | 3                | 93.6        | 5                 | 957                  | 1634                 | 3674              |
| 4                                    | 3                | 68.2        | 12                | 1668                 | 1573                 | 4884              |
| 5                                    | 3                | 83.1        | 8                 | 1188                 | 1888                 | 6876              |
| 6                                    | 1                | 56.7        | 18                |                      |                      | 7876              |
| 7                                    | 2                | 60.6        | 18                | 1874                 |                      | 10409             |
| 8                                    | 3                | 75.5        | 13                | 1263                 | 1683                 | 11878             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           | Trail #           |                      | 2                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 99.6        | 13                |                      |                      | 217               |
| 2                                    | 2                | 54.8        | 15                | 1727                 |                      | 2315.333          |
| 3                                    | 3                | 91.1        | 15                | 1120                 | 1826                 | 3607.666          |
| 4                                    | 2                | 76.2        | 7                 | 1638                 |                      | 4476.999          |
| 5                                    | 1                | 88.9        | 13                |                      |                      | 5592.332          |
| 6                                    | 1                | 83          | 9                 |                      |                      | 7558.665          |
| 7                                    | 1                | 83.9        | 12                |                      |                      | 8319.998          |
| 8                                    | 2                | 55.9        | 15                | 1613                 |                      | 9778.331          |
| 9                                    | 1                | 96.1        | 13                | 9                    |                      | 11445.664         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 3                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 82          | 6                 | 1246                 |                      | 1017              |
| 2                                    | 1                | 93.2        | 13                |                      |                      | 1960              |
| 3                                    | 2                | 61.3        | 13                | 1175                 |                      | 2727              |
| 4                                    | 1                | 52.8        | 8                 |                      |                      | 4424              |
| 5                                    | 3                | 70.6        | 19                | 929                  | 1076                 | 4915              |
| 6                                    | 1                | 80.3        | 17                |                      |                      | 6325              |
| 7                                    | 1                | 83.2        | 15                |                      |                      | 7879              |
| 8                                    | 2                | 94          | 9                 | 1805                 |                      | 9288              |
| 9                                    | 2                | 67          | 8                 | 1486                 |                      | 10449             |
| 10                                   | 1                | 56.4        | 20                |                      |                      | 11613             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 4                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 90.5        | 8                 | 1149                 | 1612                 | 35                |
| 2                                    | 3                | 54.5        | 8                 | 1094                 | 1525                 | 2104.909          |
| 3                                    | 1                | 57.1        | 18                |                      |                      | 3008.818          |
| 4                                    | 2                | 98.6        | 20                | 1292                 |                      | 3355.727          |
| 5                                    | 2                | 62.9        | 12                | 1433                 |                      | 5039.636          |
| 6                                    | 1                | 71.1        | 15                |                      |                      | 6162.545          |
| 7                                    | 1                | 96.7        | 5                 |                      |                      | 7256.454          |
| 8                                    | 1                | 64.3        | 5                 |                      |                      | 8120.363          |
| 9                                    | 3                | 61.2        | 8                 | 1075                 | 1524                 | 9171.272          |
| 10                                   | 2                | 79.2        | 13                | 1877                 |                      | 10615.181         |
| 11                                   | 2                | 79.3        | 20                | 1313                 |                      | 11197.09          |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 5                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 89.5        | 13                |                      |                      | 20                |
| 2                                    | 3                | 71.8        | 11                | 1446                 | 1549                 | 1117              |
| 3                                    | 3                | 53.7        | 15                | 1100                 | 1517                 | 2485              |
| 4                                    | 2                | 99.3        | 11                | 1571                 |                      | 3334              |
| 5                                    | 3                | 56.8        | 6                 | 1594                 | 1280                 | 4468              |
| 6                                    | 1                | 97.4        | 11                |                      |                      | 5213              |
| 7                                    | 2                | 67.6        | 13                | 1831                 |                      | 6014              |
| 8                                    | 3                | 77.1        | 8                 | 1683                 | 1337                 | 7267              |
| 9                                    | 1                | 98.5        | 17                |                      |                      | 8544              |
| 10                                   | 3                | 58.3        | 13                | 1924                 | 1829                 | 9159              |
| 11                                   | 1                | 98.4        | 14                |                      |                      | 10380             |
| 12                                   | 1                | 79.3        | 11                |                      |                      | 11257             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 6                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 53.8        | 14                | 1631                 |                      | 768               |
| 2                                    | 1                | 90          | 17                |                      |                      | 1453.077          |
| 3                                    | 3                | 87.2        | 18                | 1115                 | 1297                 | 2003.154          |
| 4                                    | 2                | 82          | 11                | 1728                 |                      | 3661.231          |
| 5                                    | 3                | 69.8        | 7                 | 1641                 | 1779                 | 3888.308          |
| 6                                    | 2                | 63.1        | 20                | 1836                 |                      | 4946.385          |
| 7                                    | 1                | 59.8        | 6                 |                      |                      | 6033.462          |
| 8                                    | 3                | 78.5        | 19                | 941                  | 1921                 | 7007.539          |
| 9                                    | 1                | 85.7        | 6                 |                      |                      | 7603.616          |
| 10                                   | 3                | 67.7        | 9                 | 1834                 | 1450                 | 8841.693          |
| 11                                   | 2                | 84.5        | 15                | 1376                 |                      | 9512.77           |
| 12                                   | 2                | 99.3        | 13                | 1570                 |                      | 10639.847         |
| 13                                   | 2                | 80.2        | 8                 | 1088                 |                      | 11143.924         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 7                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 80.8        | 10                | 1061                 | 1124                 | 389               |
| 2                                    | 2                | 81          | 9                 | 1479                 |                      | 1091.143          |
| 3                                    | 2                | 87.6        | 17                | 1247                 |                      | 2291.286          |
| 4                                    | 2                | 94.7        | 18                | 1041                 |                      | 3143.429          |
| 5                                    | 2                | 78          | 18                | 1267                 |                      | 3741.572          |
| 6                                    | 1                | 95.5        | 14                |                      |                      | 4337.715          |
| 7                                    | 2                | 97.6        | 15                | 1215                 |                      | 5199.858          |
| 8                                    | 3                | 88          | 9                 | 1349                 | 1598                 | 6171.001          |
| 9                                    | 2                | 69.7        | 17                | 1711                 |                      | 7626.144          |
| 10                                   | 2                | 96.5        | 17                | 1431                 |                      | 7882.287          |
| 11                                   | 2                | 96.9        | 6                 | 1871                 |                      | 8695.43           |
| 12                                   | 3                | 66.4        | 10                | 1824                 | 1468                 | 10194.573         |
| 13                                   | 1                | 78.8        | 10                |                      |                      | 10822.716         |
| 14                                   | 3                | 87.6        | 6                 | 1080                 | 1159                 | 11856.859         |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 8                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 71.8        | 14                | 1432                 |                      | 573               |
| 2                                    | 2                | 65.9        | 19                | 1762                 |                      | 1114              |
| 3                                    | 2                | 74.7        | 6                 | 1754                 |                      | 1977              |
| 4                                    | 3                | 81.7        | 5                 | 1133                 | 974                  | 2616              |
| 5                                    | 3                | 57.8        | 14                | 1176                 | 1712                 | 3329              |
| 6                                    | 1                | 80.6        | 6                 |                      |                      | 4341              |
| 7                                    | 3                | 99.3        | 17                | 1268                 | 1876                 | 4965              |
| 8                                    | 1                | 79.8        | 12                |                      |                      | 6218              |
| 9                                    | 3                | 83          | 11                | 990                  | 1738                 | 6989              |
| 10                                   | 3                | 71.5        | 11                | 1473                 | 1255                 | 7206              |
| 11                                   | 1                | 77.4        | 11                |                      |                      | 8127              |
| 12                                   | 2                | 84.8        | 12                | 1390                 |                      | 9315              |
| 13                                   | 2                | 64.6        | 12                | 1653                 |                      | 9748              |
| 14                                   | 2                | 92.9        | 12                | 1881                 |                      | 10919             |
| 15                                   | 1                | 71.3        | 6                 |                      |                      | 11501             |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 9                    |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 55.4        | 9                 | 1318                 |                      | 383               |
| 2                                    | 2                | 80.8        | 18                | 1710                 |                      | 1284              |
| 3                                    | 1                | 88.8        | 9                 |                      |                      | 1995              |
| 4                                    | 2                | 78          | 12                | 1818                 |                      | 2342              |
| 5                                    | 1                | 78.5        | 12                |                      |                      | 3108              |
| 6                                    | 2                | 55          | 13                | 1219                 |                      | 3873              |
| 7                                    | 2                | 75.9        | 20                | 1004                 |                      | 4623              |
| 8                                    | 2                | 70.9        | 7                 | 1820                 |                      | 5796              |
| 9                                    | 2                | 71.7        | 18                | 1559                 |                      | 6476              |
| 10                                   | 2                | 73.9        | 19                | 1232                 |                      | 6985              |
| 11                                   | 1                | 59.2        | 20                |                      |                      | 7924              |
| 12                                   | 1                | 55.7        | 9                 |                      |                      | 8641              |
| 13                                   | 3                | 60.9        | 12                | 1144                 | 1370                 | 9198              |
| 14                                   | 2                | 60.8        | 14                | 990                  |                      | 9766              |
| 15                                   | 3                | 60.6        | 19                | 1526                 | 1326                 | 11195             |
| 16                                   | 2                | 89          | 5                 | 1029                 |                      | 11381             |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 10                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 72.1        | 14                | 1119                 |                      | 488               |
| 2                                    | 3                | 81.4        | 13                | 1142                 | 961                  | 1156.882          |
| 3                                    | 3                | 92.9        | 18                | 991                  | 1147                 | 1976.764          |
| 4                                    | 3                | 81.3        | 18                | 1793                 | 1369                 | 2402.646          |
| 5                                    | 3                | 76.4        | 20                | 1005                 | 1793                 | 2902.528          |
| 6                                    | 1                | 61.6        | 18                |                      |                      | 4032.41           |
| 7                                    | 1                | 66.6        | 19                |                      |                      | 4416.292          |
| 8                                    | 1                | 53.7        | 12                |                      |                      | 5357.174          |
| 9                                    | 2                | 58          | 8                 | 1477                 |                      | 5754.056          |
| 10                                   | 2                | 64          | 18                | 1791                 |                      | 6493.938          |
| 11                                   | 2                | 80.3        | 12                | 1304                 |                      | 7574.82           |
| 12                                   | 3                | 77.3        | 5                 | 1039                 | 1668                 | 8136.702          |
| 13                                   | 2                | 97.6        | 11                | 1593                 |                      | 8633.584          |
| 14                                   | 1                | 73          | 6                 |                      |                      | 9323.466          |
| 15                                   | 3                | 65.1        | 8                 | 1097                 | 1927                 | 9984.348          |
| 16                                   | 2                | 59.5        | 13                | 1569                 |                      | 10770.23          |
| 17                                   | 1                | 88.2        | 19                |                      |                      | 11947.112         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 11                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 56.1        | 12                | 1219                 |                      | 273               |
| 2                                    | 1                | 83.3        | 7                 |                      |                      | 964.666           |
| 3                                    | 3                | 79.6        | 17                | 1218                 | 1897                 | 1492.333          |
| 4                                    | 2                | 95.8        | 7                 | 1672                 |                      | 2480              |
| 5                                    | 2                | 79.6        | 8                 | 920                  |                      | 3053.667          |
| 6                                    | 2                | 88.9        | 11                | 1779                 |                      | 3338.334          |
| 7                                    | 2                | 81.4        | 8                 | 1645                 |                      | 4201.001          |
| 8                                    | 2                | 92          | 6                 | 1454                 |                      | 4746.668          |
| 9                                    | 3                | 96          | 13                | 1518                 | 1121                 | 5525.335          |
| 10                                   | 2                | 65.6        | 11                | 1798                 |                      | 6349.002          |
| 11                                   | 2                | 98.7        | 5                 | 1360                 |                      | 7082.669          |
| 12                                   | 2                | 52.9        | 15                | 1140                 |                      | 7985.336          |
| 13                                   | 2                | 76.5        | 8                 | 1032                 |                      | 8092.003          |
| 14                                   | 3                | 73.8        | 18                | 1719                 | 1383                 | 9168.67           |
| 15                                   | 3                | 83.7        | 10                | 1270                 | 1216                 | 9676.337          |
| 16                                   | 2                | 89.6        | 10                | 1141                 |                      | 10108.004         |
| 17                                   | 2                | 67.2        | 20                | 1455                 |                      | 10938.671         |
| 18                                   | 3                | 55.7        | 14                | 1444                 | 1475                 | 11899.338         |



## Statistical Performance Check Result

| Radar Test Signal (#) |                  | 5           |                   | Trail #              | 12                   |                   |
|-----------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Burst                 | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                     | 2                | 70.6        | 15                | 1040                 |                      | 575               |
| 2                     | 2                | 72.9        | 13                | 1460                 |                      | 809.579           |
| 3                     | 3                | 88.9        | 5                 | 1250                 | 1629                 | 1454.158          |
| 4                     | 3                | 60.3        | 20                | 1757                 | 1822                 | 2362.737          |
| 5                     | 3                | 92.1        | 19                | 1845                 | 1198                 | 3002.316          |
| 6                     | 1                | 73          | 5                 |                      |                      | 3689.895          |
| 7                     | 1                | 50.4        | 15                |                      |                      | 3858.474          |
| 8                     | 1                | 66.4        | 10                |                      |                      | 4754.053          |
| 9                     | 1                | 79.1        | 18                |                      |                      | 5489.632          |
| 10                    | 1                | 71.6        | 20                |                      |                      | 6108.211          |
| 11                    | 2                | 95.6        | 13                | 1229                 |                      | 6813.79           |
| 12                    | 1                | 74.4        | 9                 |                      |                      | 7310.369          |
| 13                    | 3                | 55.6        | 17                | 1263                 | 1724                 | 7701.948          |
| 14                    | 2                | 78.3        | 13                | 1507                 |                      | 8247.527          |
| 15                    | 3                | 54.1        | 13                | 1325                 | 1249                 | 9034.106          |
| 16                    | 2                | 67.1        | 18                | 1584                 |                      | 9784.685          |
| 17                    | 2                | 65.8        | 9                 | 1195                 |                      | 10348.264         |
| 18                    | 2                | 50.1        | 12                | 1755                 |                      | 10784.843         |
| 19                    | 2                | 87.7        | 18                | 1359                 |                      | 11548.422         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 13                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 79.5        | 7                 | 1808                 | 1550                 | 274               |
| 2                                    | 2                | 76.7        | 20                | 1632                 |                      | 1173              |
| 3                                    | 3                | 85.9        | 12                | 1305                 | 1496                 | 1218              |
| 4                                    | 3                | 86.6        | 14                | 968                  | 1172                 | 1933              |
| 5                                    | 2                | 74.9        | 14                | 1348                 |                      | 2448              |
| 6                                    | 3                | 82.2        | 20                | 1692                 | 1310                 | 3156              |
| 7                                    | 2                | 53.9        | 13                | 1342                 |                      | 3645              |
| 8                                    | 3                | 62.7        | 15                | 1839                 | 1651                 | 4276              |
| 9                                    | 2                | 86.2        | 6                 | 1165                 |                      | 4891              |
| 10                                   | 1                | 63.1        | 11                |                      |                      | 5791              |
| 11                                   | 2                | 82.4        | 6                 | 1416                 |                      | 6107              |
| 12                                   | 1                | 95.8        | 18                |                      |                      | 6848              |
| 13                                   | 2                | 75.7        | 9                 | 993                  |                      | 7682              |
| 14                                   | 3                | 70.1        | 18                | 1563                 | 1020                 | 8154              |
| 15                                   | 3                | 85.8        | 13                | 1420                 | 1084                 | 8846              |
| 16                                   | 1                | 63.2        | 7                 |                      |                      | 9265              |
| 17                                   | 1                | 75.1        | 11                |                      |                      | 9747              |
| 18                                   | 2                | 69.5        | 5                 | 1802                 |                      | 10456             |
| 19                                   | 1                | 51.8        | 19                |                      |                      | 11222             |
| 20                                   | 2                | 62.3        | 5                 | 1449                 |                      | 11704             |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 14                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 74.9        | 5                 | 1314                 | 1466                 | 1289              |
| 2                                    | 2                | 83.9        | 19                | 1442                 |                      | 2936              |
| 3                                    | 2                | 55.8        | 6                 | 1147                 |                      | 3240              |
| 4                                    | 2                | 59.4        | 6                 | 1490                 |                      | 5955              |
| 5                                    | 2                | 78.2        | 15                | 1665                 |                      | 7312              |
| 6                                    | 2                | 57.3        | 15                | 1357                 |                      | 7764              |
| 7                                    | 2                | 76.2        | 11                | 1651                 |                      | 9255              |
| 8                                    | 3                | 59          | 7                 | 1460                 | 1109                 | 11910             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 15                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 77.7        | 19                | 1046                 | 1568                 | 17                |
| 2                                    | 2                | 98.2        | 20                | 1628                 |                      | 2210.333          |
| 3                                    | 2                | 95.3        | 8                 | 1540                 |                      | 3732.666          |
| 4                                    | 2                | 78.8        | 15                | 1341                 |                      | 4821.999          |
| 5                                    | 2                | 52.8        | 20                | 988                  |                      | 6353.332          |
| 6                                    | 2                | 65.2        | 9                 | 1480                 |                      | 7268.665          |
| 7                                    | 2                | 99.5        | 10                | 1867                 |                      | 8883.998          |
| 8                                    | 2                | 79.5        | 13                | 1148                 |                      | 9675.331          |
| 9                                    | 3                | 50.6        | 13                | 1030                 | 1525                 | 11987.664         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 16                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 97.5        | 11                | 1357                 |                      | 764               |
| 2                                    | 2                | 91.8        | 13                | 1896                 |                      | 1498              |
| 3                                    | 1                | 78.5        | 5                 |                      |                      | 3517              |
| 4                                    | 1                | 60.1        | 11                |                      |                      | 4669              |
| 5                                    | 2                | 96.2        | 10                | 975                  |                      | 5957              |
| 6                                    | 2                | 56.6        | 18                | 1626                 |                      | 6701              |
| 7                                    | 1                | 77.1        | 20                |                      |                      | 7523              |
| 8                                    | 2                | 96.3        | 8                 | 1682                 |                      | 8707              |
| 9                                    | 2                | 52.2        | 13                | 1017                 |                      | 9817              |
| 10                                   | 1                | 92.8        | 15                |                      |                      | 11116             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 17                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 57.3        | 8                 | 1220                 |                      | 792               |
| 2                                    | 3                | 73.1        | 5                 | 1717                 | 1679                 | 1935.909          |
| 3                                    | 2                | 54.1        | 14                | 967                  |                      | 2293.818          |
| 4                                    | 2                | 98.8        | 19                | 1137                 |                      | 3987.727          |
| 5                                    | 3                | 85.5        | 8                 | 1068                 | 960                  | 4664.636          |
| 6                                    | 2                | 78.5        | 7                 | 1387                 |                      | 6281.545          |
| 7                                    | 2                | 77.9        | 12                | 1869                 |                      | 7051.454          |
| 8                                    | 1                | 81.9        | 10                |                      |                      | 8185.363          |
| 9                                    | 1                | 50.4        | 9                 |                      |                      | 9191.272          |
| 10                                   | 1                | 75.2        | 8                 |                      |                      | 10608.181         |
| 11                                   | 2                | 92.7        | 7                 | 1770                 |                      | 11876.09          |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 18                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 79.1        | 6                 | 1042                 |                      | 793               |
| 2                                    | 3                | 55.7        | 9                 | 1327                 | 1744                 | 1159              |
| 3                                    | 1                | 95          | 20                |                      |                      | 2734              |
| 4                                    | 1                | 88.4        | 5                 |                      |                      | 3523              |
| 5                                    | 1                | 92.3        | 15                |                      |                      | 4546              |
| 6                                    | 1                | 93.6        | 6                 |                      |                      | 5208              |
| 7                                    | 2                | 95.1        | 12                | 1044                 |                      | 6894              |
| 8                                    | 1                | 59.5        | 17                |                      |                      | 7666              |
| 9                                    | 2                | 98.7        | 17                | 1422                 |                      | 8640              |
| 10                                   | 2                | 65.1        | 5                 | 1104                 |                      | 9320              |
| 11                                   | 1                | 60.2        | 5                 |                      |                      | 10060             |
| 12                                   | 1                | 88.7        | 8                 |                      |                      | 11823             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 19                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 53.9        | 10                |                      |                      | 226               |
| 2                                    | 2                | 82.6        | 13                | 992                  |                      | 1777.077          |
| 3                                    | 1                | 87.7        | 8                 |                      |                      | 2149.154          |
| 4                                    | 3                | 69          | 12                | 1696                 | 1606                 | 3297.231          |
| 5                                    | 1                | 68.6        | 12                |                      |                      | 3912.308          |
| 6                                    | 3                | 76.5        | 13                | 1333                 | 1468                 | 5004.385          |
| 7                                    | 2                | 95.8        | 17                | 1380                 |                      | 5595.462          |
| 8                                    | 2                | 55.6        | 19                | 1147                 |                      | 6795.539          |
| 9                                    | 2                | 78.6        | 14                | 1268                 |                      | 7512.616          |
| 10                                   | 2                | 65.4        | 17                | 1231                 |                      | 9220.693          |
| 11                                   | 2                | 76.6        | 18                | 1883                 |                      | 9748.77           |
| 12                                   | 1                | 93.2        | 6                 |                      |                      | 0749.847          |
| 13                                   | 2                | 50.2        | 13                | 1836                 |                      | 11137.924         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 20                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 60.9        | 13                |                      |                      | 142               |
| 2                                    | 2                | 81.7        | 15                | 1831                 |                      | 1379.143          |
| 3                                    | 2                | 78.5        | 5                 | 1396                 |                      | 2504.286          |
| 4                                    | 2                | 98.2        | 6                 | 1652                 |                      | 2574.429          |
| 5                                    | 1                | 64.1        | 12                |                      |                      | 3842.572          |
| 6                                    | 3                | 53          | 18                | 1862                 | 1902                 | 4442.715          |
| 7                                    | 2                | 62.3        | 15                | 1490                 |                      | 5390.858          |
| 8                                    | 2                | 87          | 11                | 1411                 |                      | 6576.001          |
| 9                                    | 2                | 78.4        | 8                 | 1090                 |                      | 7594.144          |
| 10                                   | 2                | 87.2        | 7                 | 967                  |                      | 8057.287          |
| 11                                   | 3                | 71          | 13                | 1662                 | 1841                 | 8676.43           |
| 12                                   | 2                | 77.2        | 5                 | 1557                 |                      | 10029.573         |
| 13                                   | 1                | 94.4        | 15                |                      |                      | 10393.716         |
| 14                                   | 1                | 90.6        | 13                |                      |                      | 11648.859         |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 21                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 76.5        | 8                 | 1870                 | 1326                 | 385               |
| 2                                    | 2                | 95.3        | 13                | 1162                 |                      | 873               |
| 3                                    | 3                | 58.9        | 9                 | 1586                 | 1909                 | 2342              |
| 4                                    | 2                | 73.1        | 13                | 1460                 |                      | 2730              |
| 5                                    | 2                | 73.1        | 12                | 1488                 |                      | 3225              |
| 6                                    | 2                | 75.1        | 5                 | 1331                 |                      | 4418              |
| 7                                    | 3                | 98.5        | 11                | 936                  | 1532                 | 5014              |
| 8                                    | 3                | 72.5        | 13                | 1110                 | 1903                 | 5987              |
| 9                                    | 3                | 67.4        | 12                | 1567                 | 1513                 | 6480              |
| 10                                   | 2                | 76.1        | 12                | 1005                 |                      | 7477              |
| 11                                   | 2                | 94.3        | 17                | 1413                 |                      | 8314              |
| 12                                   | 2                | 72.8        | 12                | 1778                 |                      | 8866              |
| 13                                   | 2                | 90.9        | 14                | 1793                 |                      | 9747              |
| 14                                   | 3                | 94.8        | 11                | 1012                 | 1742                 | 10841             |
| 15                                   | 3                | 95          | 12                | 912                  | 1641                 | 11809             |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           | Trail #           |                      | 22                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 96.7        | 9                 |                      |                      | 308               |
| 2                                    | 2                | 78.3        | 13                | 1045                 |                      | 777               |
| 3                                    | 1                | 56.5        | 12                |                      |                      | 1574              |
| 4                                    | 3                | 88.5        | 14                | 1119                 | 1020                 | 2879              |
| 5                                    | 2                | 62.4        | 9                 | 1436                 |                      | 3548              |
| 6                                    | 2                | 78.2        | 5                 | 1147                 |                      | 4091              |
| 7                                    | 3                | 76.8        | 14                | 1069                 | 1575                 | 4860              |
| 8                                    | 2                | 91.6        | 18                | 978                  |                      | 5852              |
| 9                                    | 2                | 93.7        | 5                 | 1130                 |                      | 6623              |
| 10                                   | 2                | 97.4        | 8                 | 1100                 |                      | 7006              |
| 11                                   | 3                | 90.1        | 6                 | 1629                 | 1375                 | 7608              |
| 12                                   | 2                | 79.9        | 18                | 1809                 |                      | 8433              |
| 13                                   | 2                | 83          | 10                | 1370                 |                      | 9477              |
| 14                                   | 2                | 89.1        | 13                | 1239                 |                      | 10234             |
| 15                                   | 2                | 58.3        | 8                 | 1321                 |                      | 10776             |
| 16                                   | 1                | 85.2        | 13                |                      |                      | 11272             |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 23                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 60          | 10                | 1097                 | 1748                 | 56                |
| 2                                    | 3                | 66.3        | 13                | 1391                 | 1430                 | 1126.882          |
| 3                                    | 2                | 88.5        | 15                | 1040                 |                      | 1994.764          |
| 4                                    | 2                | 72.1        | 8                 | 1526                 |                      | 2278.646          |
| 5                                    | 1                | 72.3        | 8                 |                      |                      | 3273.528          |
| 6                                    | 2                | 67.3        | 7                 | 1022                 |                      | 3577.41           |
| 7                                    | 2                | 56.1        | 12                | 1325                 |                      | 4896.292          |
| 8                                    | 1                | 83.5        | 11                |                      |                      | 5636.174          |
| 9                                    | 3                | 99.4        | 13                | 1490                 | 938                  | 6052.056          |
| 10                                   | 1                | 54.2        | 12                |                      |                      | 6478.938          |
| 11                                   | 3                | 92.7        | 17                | 1251                 | 1631                 | 7423.82           |
| 12                                   | 3                | 95.1        | 17                | 1741                 | 1162                 | 7821.702          |
| 13                                   | 2                | 84          | 9                 | 1597                 |                      | 8637.584          |
| 14                                   | 1                | 68.5        | 18                |                      |                      | 9688.466          |
| 15                                   | 1                | 76.5        | 20                |                      |                      | 10067.348         |
| 16                                   | 3                | 86.6        | 11                | 1774                 | 1875                 | 11045.23          |
| 17                                   | 2                | 62.2        | 9                 | 1563                 |                      | 11786.112         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 24                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 86.6        | 19                |                      |                      | 621               |
| 2                                    | 2                | 95.3        | 17                | 926                  |                      | 794.666           |
| 3                                    | 1                | 76.2        | 12                |                      |                      | 1584.333          |
| 4                                    | 3                | 71.4        | 19                | 1287                 | 1404                 | 2269              |
| 5                                    | 3                | 51.7        | 12                | 1564                 | 1339                 | 3299.667          |
| 6                                    | 2                | 77          | 5                 | 1899                 |                      | 3948.334          |
| 7                                    | 1                | 87.5        | 12                |                      |                      | 4375.001          |
| 8                                    | 3                | 59          | 17                | 1327                 | 1615                 | 5276.668          |
| 9                                    | 2                | 78.3        | 15                | 1551                 |                      | 5881.335          |
| 10                                   | 2                | 89.7        | 5                 | 1718                 |                      | 6456.002          |
| 11                                   | 2                | 92.1        | 7                 | 1403                 |                      | 6678.669          |
| 12                                   | 2                | 97.3        | 14                | 1338                 |                      | 7929.336          |
| 13                                   | 3                | 80.3        | 20                | 1354                 | 1563                 | 8484.003          |
| 14                                   | 1                | 98.2        | 8                 |                      |                      | 9094.67           |
| 15                                   | 3                | 94.4        | 13                | 1795                 | 1829                 | 9845.337          |
| 16                                   | 2                | 90.4        | 13                | 1105                 |                      | 10342.004         |
| 17                                   | 2                | 73.6        | 19                | 1787                 |                      | 10958.671         |
| 18                                   | 1                | 82.9        | 7                 |                      |                      | 11951.338         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 25                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 90          | 18                |                      |                      | 173               |
| 2                                    | 1                | 65.3        | 19                |                      |                      | 876.579           |
| 3                                    | 2                | 82.6        | 10                | 1756                 |                      | 1390.158          |
| 4                                    | 2                | 93.9        | 18                | 1557                 |                      | 2181.737          |
| 5                                    | 2                | 50.5        | 13                | 1479                 |                      | 2808.316          |
| 6                                    | 1                | 68          | 7                 |                      |                      | 3333.895          |
| 7                                    | 3                | 88.4        | 11                | 1244                 | 1076                 | 4357.474          |
| 8                                    | 3                | 66.8        | 11                | 1288                 | 1909                 | 4869.053          |
| 9                                    | 2                | 88          | 12                | 1450                 |                      | 5579.632          |
| 10                                   | 3                | 51.1        | 6                 | 1797                 | 1935                 | 5879.211          |
| 11                                   | 2                | 93.8        | 13                | 1073                 |                      | 6499.79           |
| 12                                   | 1                | 83.5        | 10                |                      |                      | 7453.369          |
| 13                                   | 2                | 96.9        | 12                | 1047                 |                      | 7845.948          |
| 14                                   | 3                | 87.2        | 18                | 1521                 | 1450                 | 8453.527          |
| 15                                   | 2                | 60.1        | 8                 | 1545                 |                      | 9133.106          |
| 16                                   | 3                | 98          | 10                | 1842                 | 1402                 | 10027.685         |
| 17                                   | 3                | 57          | 19                | 1665                 | 1732                 | 10248.264         |
| 18                                   | 1                | 74.3        | 14                |                      |                      | 10767.843         |
| 19                                   | 2                | 57.8        | 10                | 1576                 |                      | 11977.422         |



| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 26                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 2                | 92.8        | 9                 | 1222                 |                      | 531               |
| 2                                    | 2                | 52.4        | 8                 | 1547                 |                      | 768               |
| 3                                    | 3                | 56.8        | 7                 | 1158                 | 1184                 | 1393              |
| 4                                    | 1                | 91.2        | 7                 |                      |                      | 2365              |
| 5                                    | 3                | 61.2        | 10                | 1558                 | 1664                 | 2787              |
| 6                                    | 3                | 62          | 7                 | 1518                 | 1656                 | 3391              |
| 7                                    | 2                | 69          | 5                 | 1531                 |                      | 3927              |
| 8                                    | 2                | 67.3        | 18                | 1064                 |                      | 4225              |
| 9                                    | 1                | 94.1        | 5                 |                      |                      | 4878              |
| 10                                   | 2                | 76          | 17                | 1190                 |                      | 5622              |
| 11                                   | 2                | 81.9        | 12                | 1815                 |                      | 6096              |
| 12                                   | 2                | 57.9        | 8                 | 1594                 |                      | 6877              |
| 13                                   | 3                | 68.3        | 19                | 1427                 | 1540                 | 7241              |
| 14                                   | 2                | 53.3        | 7                 | 1713                 |                      | 7848              |
| 15                                   | 2                | 85.3        | 15                | 1136                 |                      | 8448              |
| 16                                   | 1                | 65.3        | 20                |                      |                      | 9057              |
| 17                                   | 3                | 79.8        | 20                | 923                  | 1259                 | 9648              |
| 18                                   | 2                | 56.9        | 20                | 1357                 |                      | 10683             |
| 19                                   | 2                | 93          | 9                 | 1686                 |                      | 10873             |
| 20                                   | 2                | 82.8        | 10                | 944                  |                      | 11752             |



| Radar Test Signal (#) |                  | Statistical Performance Check Result |                   |                      |                      |                   |
|-----------------------|------------------|--------------------------------------|-------------------|----------------------|----------------------|-------------------|
|                       |                  | 5                                    |                   | Trail #              | 27                   |                   |
| Burst                 | Number of Pulses | Pulse Width                          | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                     | 3                | 50.9                                 | 11                | 1106                 | 1077                 | 1293              |
| 2                     | 2                | 77.8                                 | 18                | 1836                 |                      | 2735              |
| 3                     | 3                | 60.7                                 | 5                 | 1069                 | 1635                 | 4092              |
| 4                     | 2                | 77.2                                 | 13                | 1916                 |                      | 5843              |
| 5                     | 2                | 91.6                                 | 13                | 1465                 |                      | 7466              |
| 6                     | 2                | 56.8                                 | 17                | 1783                 |                      | 7876              |
| 7                     | 1                | 59.5                                 | 20                |                      |                      | 9131              |
| 8                     | 1                | 66.5                                 | 12                |                      |                      | 11524             |

| Radar Test Signal (#) |                  | Statistical Performance Check Result |                   |                      |                      |                   |
|-----------------------|------------------|--------------------------------------|-------------------|----------------------|----------------------|-------------------|
|                       |                  | 5                                    |                   | Trail #              | 28                   |                   |
| Burst                 | Number of Pulses | Pulse Width                          | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                     | 2                | 72                                   | 9                 | 1092                 |                      | 965               |
| 2                     | 2                | 89.2                                 | 6                 | 1550                 |                      | 2559.333          |
| 3                     | 1                | 81.2                                 | 12                |                      |                      | 2943.666          |
| 4                     | 2                | 80.6                                 | 15                | 1616                 |                      | 4457.999          |
| 5                     | 2                | 62.8                                 | 10                | 1812                 |                      | 6081.332          |
| 6                     | 1                | 71                                   | 8                 |                      |                      | 7100.665          |
| 7                     | 2                | 69.3                                 | 6                 | 1027                 |                      | 9110.998          |
| 8                     | 2                | 77.2                                 | 13                | 1076                 |                      | 9971.331          |
| 9                     | 2                | 65.4                                 | 5                 | 1582                 |                      | 10944.664         |

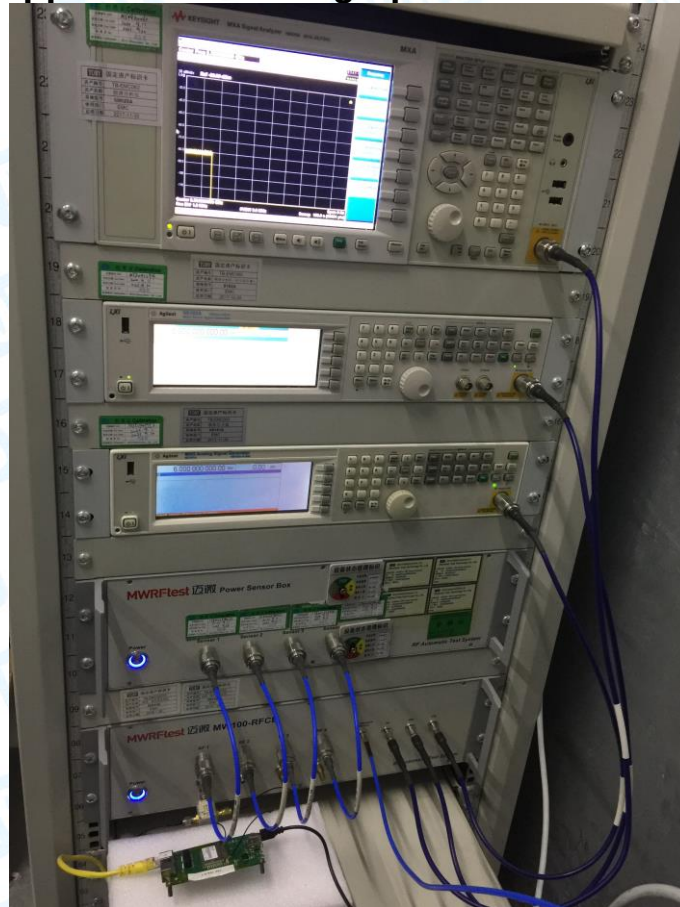


| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 29                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 1                | 51.5        | 19                |                      |                      | 151               |
| 2                                    | 1                | 82.3        | 13                |                      |                      | 2271              |
| 3                                    | 3                | 78.3        | 8                 | 1115                 | 1740                 | 3046              |
| 4                                    | 2                | 99          | 14                | 1101                 |                      | 4309              |
| 5                                    | 3                | 98.8        | 7                 | 1819                 | 945                  | 5356              |
| 6                                    | 2                | 80.9        | 19                | 922                  |                      | 6567              |
| 7                                    | 2                | 64          | 12                | 953                  |                      | 7781              |
| 8                                    | 1                | 79          | 20                |                      |                      | 9198              |
| 9                                    | 1                | 68          | 8                 |                      |                      | 9712              |
| 10                                   | 2                | 50.4        | 13                | 1587                 |                      | 10826             |

| Statistical Performance Check Result |                  |             |                   |                      |                      |                   |
|--------------------------------------|------------------|-------------|-------------------|----------------------|----------------------|-------------------|
| Radar Test Signal (#)                |                  | 5           |                   | Trail #              | 30                   |                   |
| Burst                                | Number of Pulses | Pulse Width | Chirp Width (MHz) | Pulse 1-to-2 Spacing | Pulse 2-to-3 Spacing | Start Time (msec) |
| 1                                    | 3                | 57.8        | 5                 | 1324                 | 1716                 | 82                |
| 2                                    | 2                | 70.1        | 20                | 1733                 |                      | 1677.909          |
| 3                                    | 2                | 95.2        | 13                | 1188                 |                      | 2970.818          |
| 4                                    | 3                | 84.6        | 20                | 1042                 | 1259                 | 4293.727          |
| 5                                    | 3                | 96.5        | 7                 | 1329                 | 1596                 | 4379.636          |
| 6                                    | 2                | 84.3        | 15                | 1606                 |                      | 6162.545          |
| 7                                    | 3                | 53.5        | 19                | 1783                 | 1458                 | 7283.454          |
| 8                                    | 3                | 74.9        | 5                 | 1599                 | 1891                 | 8102.363          |
| 9                                    | 3                | 53.8        | 7                 | 1494                 | 1467                 | 8979.272          |
| 10                                   | 2                | 60.5        | 14                | 1319                 |                      | 10282.181         |
| 11                                   | 1                | 73.3        | 10                |                      |                      | 11754.09          |



## Appendix A: Photographs of Test Setup



**\*\*\*\*\*END OF REPORT\*\*\*\*\***