

**FCC Part 15.407**  
**Dynamic Frequency Selection**  
**TEST REPORT**

For

**MERCURY Corporation**

90, Gajaeul-ro, Seo-Gu, Incheon, 22830, Republic of Korea

**FCC ID: 2AVW5-MCR-AP8400**

**Report Type:**  
Original Report

**Product Type:**  
Wireless Access Point

**Report Producer :** Coco Lin

**Report Number :** RXZ241119045RF03

**Report Date :** 2025-01-24

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Revision History

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|----------|--------------|------------------|------------|-----------------|-----------------------|
| 0.0      | RXZ241119045 | RXZ241119045RF03 | 2025-01-24 | Original Report | Coco Lin              |

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1 General Information

1.1 Product Description for Equipment under Test (EUT)

|                                    |                                                                                                                                                                                                                                                                                                                                        |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--|--------------------|--|--|--|----------|----------|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Applicant                          | MERCURY Corporation                                                                                                                                                                                                                                                                                                                    |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
|                                    | 90, Gajaeul-ro, Seo-Gu, Incheon, 22830, Republic of Korea                                                                                                                                                                                                                                                                              |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Brand(Trade) Name                  | MERCURY                                                                                                                                                                                                                                                                                                                                |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Product (Equipment)                | Wireless Access Point                                                                                                                                                                                                                                                                                                                  |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Main Model Name                    | MCR-AP8400                                                                                                                                                                                                                                                                                                                             |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Series Model Name                  | N/A                                                                                                                                                                                                                                                                                                                                    |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Operating mode                     | 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ax he20/ax he40/ax he80                                                                                                                                                                                                                                                               |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Frequency Range                    | 5250 MHz ~ 5350 MHz , 5470 MHz ~ 5725 MHz                                                                                                                                                                                                                                                                                              |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Maximum Conducted                  | 5250-5350 MHz: 19.99 dBm                                                                                                                                                                                                                                                                                                               |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Average Output Power               | 5470-5725 MHz: 21.18 dBm                                                                                                                                                                                                                                                                                                               |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Modulation Technique               | OFDM / OFDMA                                                                                                                                                                                                                                                                                                                           |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Antenna Information                | Manufacturer: K-Maru                                                                                                                                                                                                                                                                                                                   |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
|                                    | Antenna Type: PCB Antenna                                                                                                                                                                                                                                                                                                              |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
|                                    | Input impedance: 50Ω                                                                                                                                                                                                                                                                                                                   |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
|                                    | <table><tr><td colspan="4">Antenna Gain (dBi)</td></tr><tr><td>Chain 0:</td><td>Chain 1:</td><td>Chain 2:</td><td>Chain 3:</td></tr><tr><td>Band 2: 4.25</td><td>Band 2: 3.65</td><td>Band 2: 4.40</td><td>Band 2: 4.31</td></tr><tr><td>Band 3: 3.34</td><td>Band 3: 3.65</td><td>Band 3: 3.71</td><td>Band 3: 4.38</td></tr></table> |              |              |  | Antenna Gain (dBi) |  |  |  | Chain 0: | Chain 1: | Chain 2: | Chain 3: | Band 2: 4.25 | Band 2: 3.65 | Band 2: 4.40 | Band 2: 4.31 | Band 3: 3.34 | Band 3: 3.65 | Band 3: 3.71 |
| Antenna Gain (dBi)                 |                                                                                                                                                                                                                                                                                                                                        |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Chain 0:                           | Chain 1:                                                                                                                                                                                                                                                                                                                               | Chain 2:     | Chain 3:     |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Band 2: 4.25                       | Band 2: 3.65                                                                                                                                                                                                                                                                                                                           | Band 2: 4.40 | Band 2: 4.31 |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Band 3: 3.34                       | Band 3: 3.65                                                                                                                                                                                                                                                                                                                           | Band 3: 3.71 | Band 3: 4.38 |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Power Operation<br>(Voltage Range) | 12Vdc from Adapter                                                                                                                                                                                                                                                                                                                     |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |
| Received Date                      | 2024/11/21                                                                                                                                                                                                                                                                                                                             |              |              |  |                    |  |  |  |          |          |          |          |              |              |              |              |              |              |              |

\*All measurement and test data in this report was gathered from production sample serial number:  
RXZ241119045-1(Assigned by BACL, New Taipei Laboratory).

## **1.2 Objective**

This report is made pursuant to Part 15 Subpart E, of the Federal Communications Commission Rules.

The tests were performed in order to determine compliance with FCC Part 15.407(h) Radar Detection Function of Dynamic Frequency Selection (DFS).

## **1.3 Test Methodology**

FCC CFR 47 Part15.407 (h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

## **1.4 Statement**

Decision Rule: No, (The test results do not include MU judgment)

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

### 1.5 Measurement Uncertainty

| Parameter             | Uncertainty   |
|-----------------------|---------------|
| Conducted Power Level | $\pm 3.05$ dB |
| Time Domain           | $\pm 0.21$ ms |
| Temperature           | $\pm 0.76$ °C |
| Humidity              | $\pm 0.41$ %  |

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

### 1.6 Environmental Conditions

| Test Site | Test Date            | Temperature (°C) | Relative Humidity (%) | ATM Pressure (hPa) | Test Engineer |
|-----------|----------------------|------------------|-----------------------|--------------------|---------------|
| DFS       | 2024/11/28~2025/1/16 | 23.5~25.1        | 49~57                 | 1020.2~1021.3      | Wayne Pan     |

### 1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) to collect test data is located on

☒ 70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 221, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.

## 2 System Test Configuration

### 2.1 Description of Test Configuration

The EUT was configured for testing in normal mode and debug mode which was provided by the Applicant.

### 2.2 Equipment Modifications

No modification was made to the EUT.

### 2.3 Antenna Test Mode

Four antennas are connected to the Power Splitter at the same time for testing.

### 2.4 Support Equipment List and Details

| Description | Manufacturer                                   | Model Number      |
|-------------|------------------------------------------------|-------------------|
| NB          | DELL                                           | E6410             |
| Adapter     | Shenzhen Keyu Power Supply Technology Co., Ltd | KA4801A-1204000US |
| PCIe Card   | AORUS                                          | GC-WBAX200        |

### 2.5 External Cable List and Details

| Description | Manufacturer | Cable length |
|-------------|--------------|--------------|
| RJ-45 Cable | BACL         | 2m           |

### 3 Summary of Test Results

| Items                          | Description of Test                           | Results    |
|--------------------------------|-----------------------------------------------|------------|
| Detection Bandwidth            | UNII Detection Bandwidth                      | Compliance |
| Performance Requirements Check | Initial Channel Availability Check Time (CAC) | Compliance |
|                                | Radar Burst at the Beginning of the CAC       | Compliance |
|                                | Radar Burst at the End of the CAC             | Compliance |
| In-Service Monitoring          | Channel Move Time                             | Compliance |
|                                | Channel Closing Transmission Time             | Compliance |
|                                | Non-Occupancy Period                          | Compliance |
| Radar Detection                | Statistical Performance Check                 | Compliance |

Note: This device does not support “802.11ax Channel Puncturing” function.

4 Test Equipment List and Details

| Description             | Manufacturer    | Model        | Serial Number | Calibration Date | Calibration Due Date |
|-------------------------|-----------------|--------------|---------------|------------------|----------------------|
| Conducted Room          |                 |              |               |                  |                      |
| Signal Analyzer         | Rohde & Schwarz | FSV40        | 101204        | 2024/5/30        | 2025/5/30            |
| Cable                   | UTIFLEX         | UFA210A      | 6678          | 2024/10/1        | 2025/10/1            |
| Cable                   | UTIFLEX         | UFA210A      | 6679          | 2024/10/1        | 2025/10/1            |
| Cable                   | UTIFLEX         | UFA210A      | 9422          | 2024/10/1        | 2025/10/1            |
| Attenuator              | MCL             | BW-S10W5+    | 1419          | 2024/2/23        | 2025/2/23            |
| Attenuator              | MCL             | BW-S20W5+    | 1430          | 2024/6/5         | 2025/6/5             |
| Vector Signal Generator | Rohde & Schwarz | SMBV100A     | 261748        | 2024/2/6         | 2025/2/5             |
| Power Splitter          | Mini-Circuits   | ZFRSC-183-S+ | S F448201614  | 2024/6/5         | 2025/6/5             |
| Power Splitter          | Mini-Circuits   | ZFRSC-183-S+ | S F112701513  | 2024/1/17        | 2025/1/17            |

**\*Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.

## 5 Applicable Standard

### 5.1 DFS Requirement

CFR §47 Part 15.407(h),

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

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

**Table 2: Applicability of DFS requirements during normal operation**

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

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

**Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection**

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -64 dBm                          |
| EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the power spectral density requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -64 dBm                          |
| <p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p><b>Note 2:</b> 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.</p> <p><b>Note3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                                  |

**Table 4: DFS Response Requirement Values**

| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Value                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <i>Non-occupancy period</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Minimum 30 minutes                                                                                        |
| <i>Channel Availability Check Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 60 seconds                                                                                                |
| <i>Channel Move Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 seconds<br>See Note 1.                                                                                 |
| <i>Channel Closing Transmission Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| <i>U-NII Detection Bandwidth</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.                                   |
| <p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel move</i> (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.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p> |                                                                                                           |

**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 $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 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. |                    |                                                                                                                                                               |                                                                                                                               |                                            |                          |

**Table 6 – Long Pulse Radar Test Waveform**

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

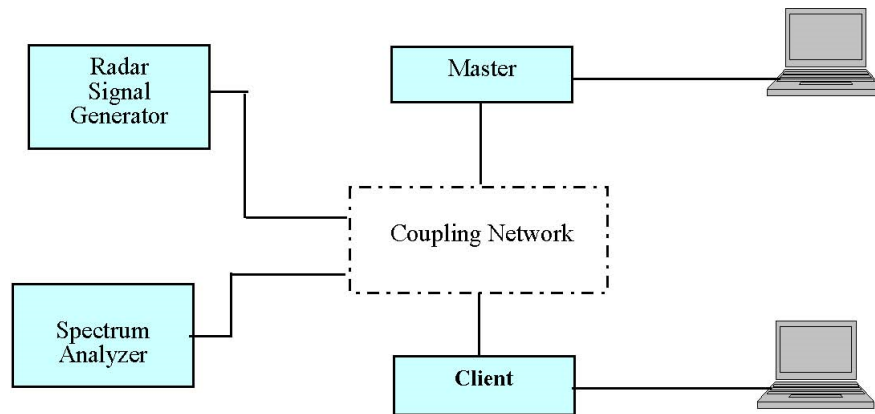
**Table 7 – Frequency Hopping Radar Test Waveform**

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

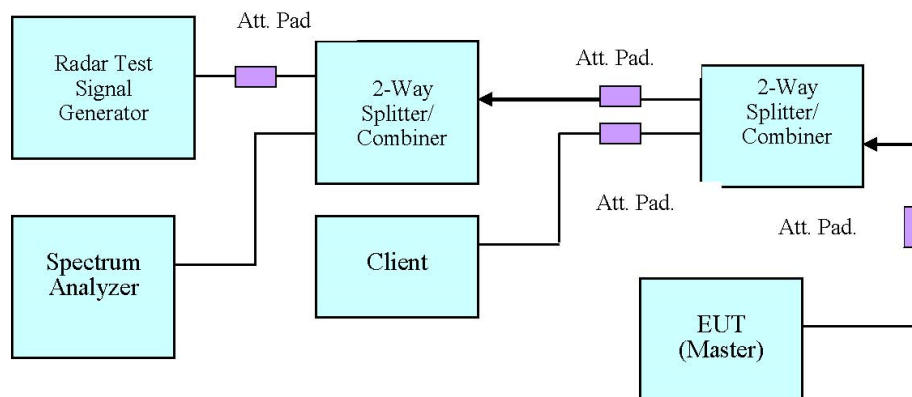
## 5.2 DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

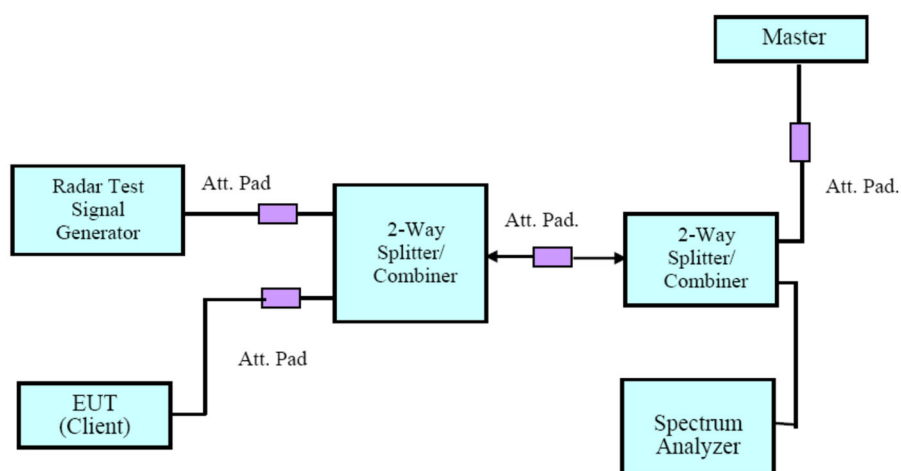
### 5.3 System Block Diagram

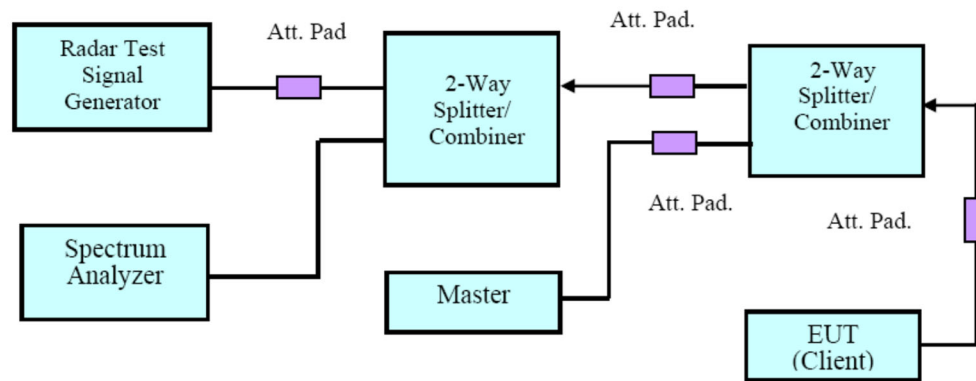
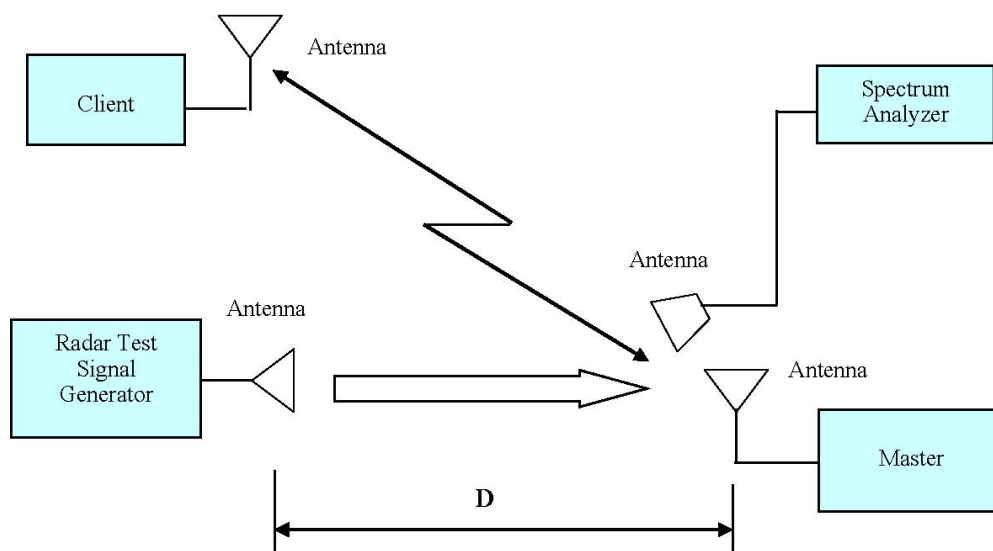


### Conducted Method



### Setup for Master with injection at the Master



**Setup for Client with injection at the Master****Setup for Client with injection at the Client****5.4 Test Procedure**

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

## 6 Test Results

### 6.1 Description of EUT

The maximum EIRP is great than 200mW.

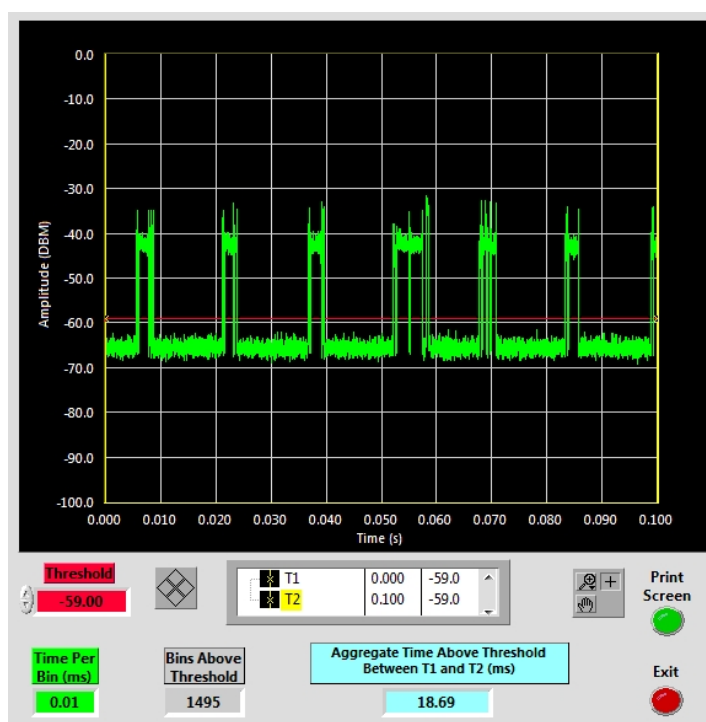
The calibrated radiated DFS detection threshold level is set to -64 dBm.

### 6.2 Channel Loading

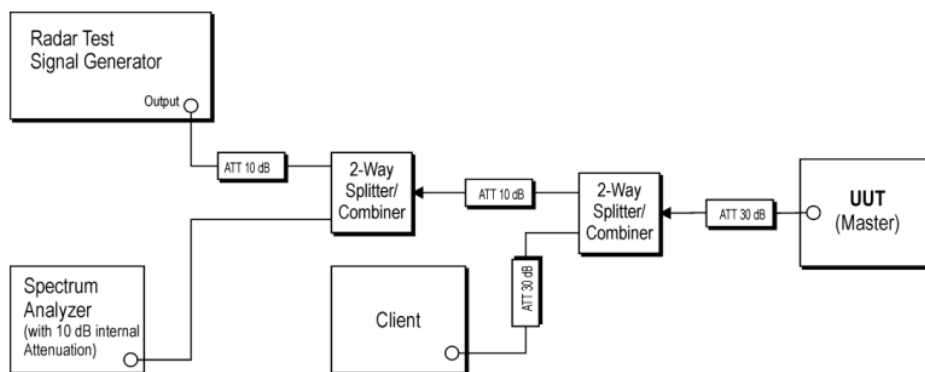
WLAN traffic is generated by software “Lan Test20”, software is used by IP and Frame based systems for loading the test channel during the In service compliance testing of the U-NII device.

Data package streamed from the Access Point to the Client using the software “Lan Test20”.

The EUT was programmed in normal link mode at least 17 % traffic load.



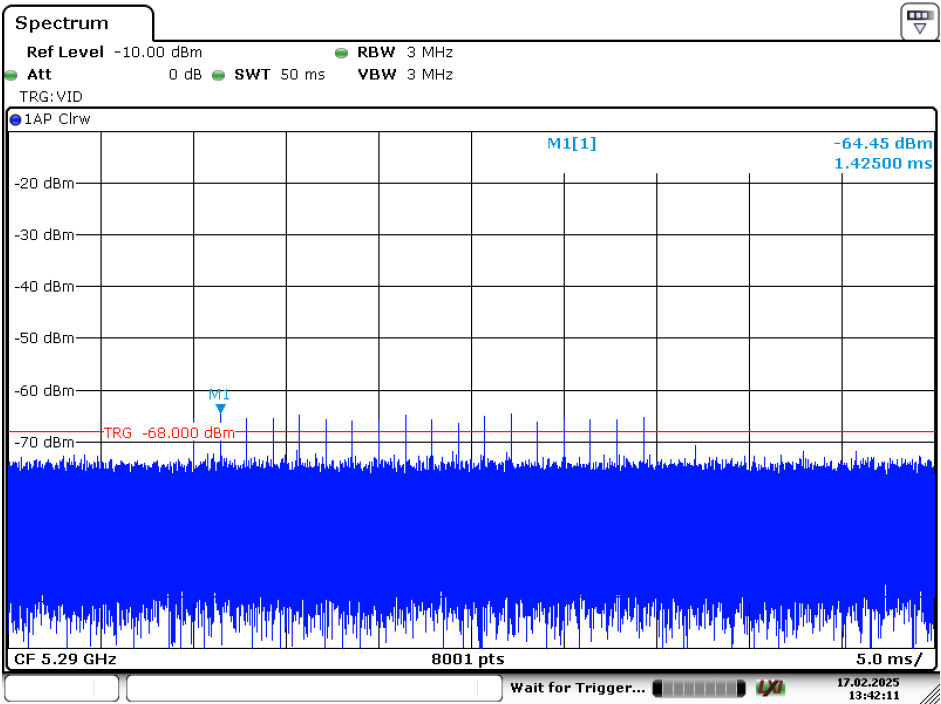
### 6.3 Conducted Test Setup Configuration



Plots of Radar Waveforms

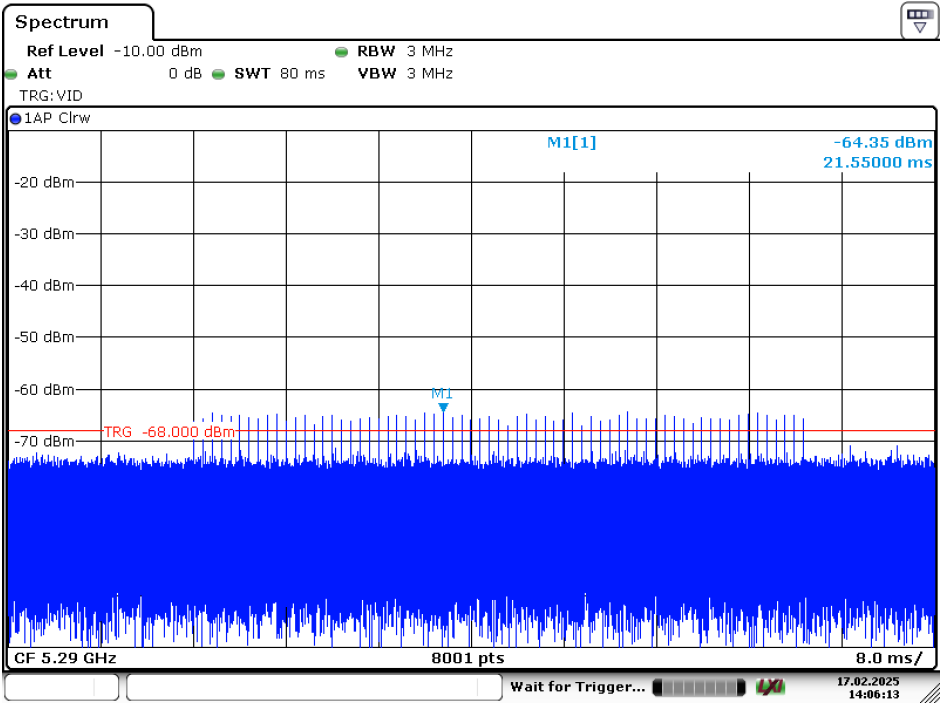
5290 MHz:

Radar Type 0



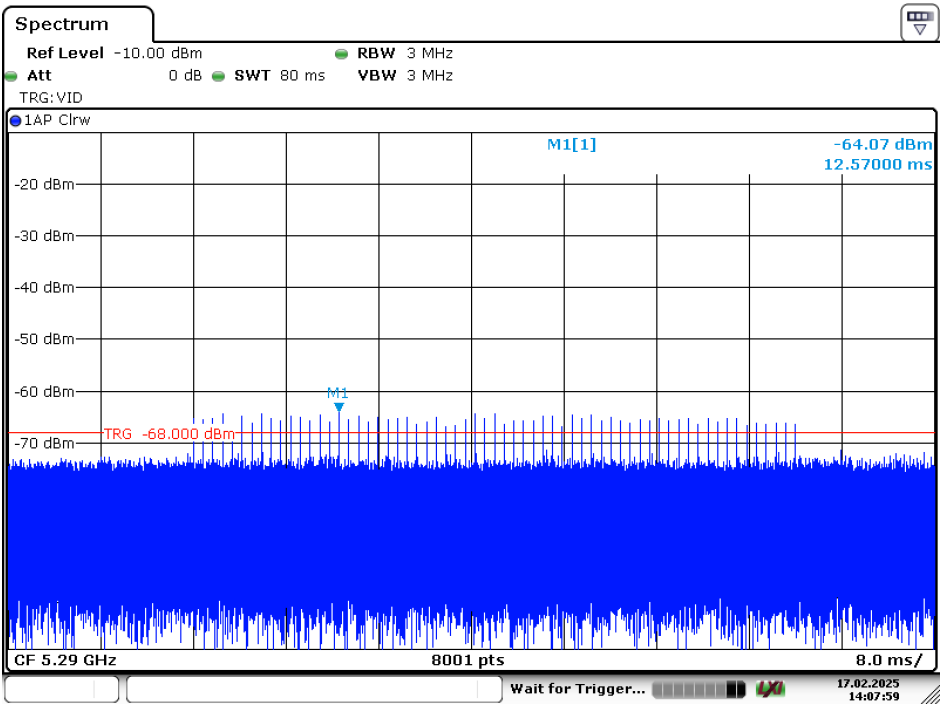
Date: 28.NOV.2024 15:55:31

Radar Type 1A



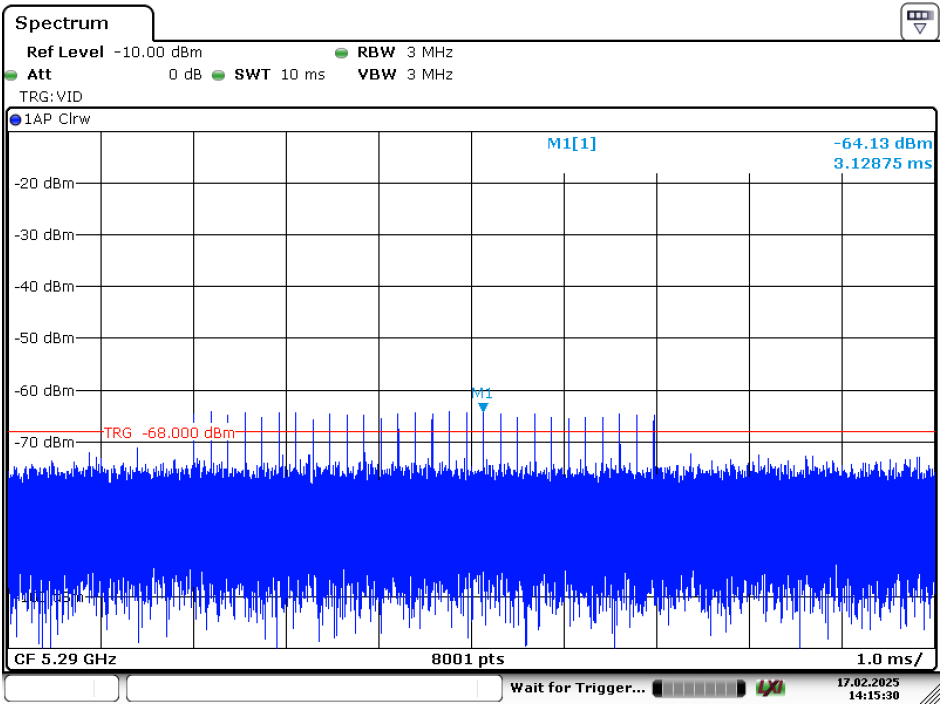
Date: 28.NOV.2024 16:03:54

Radar Type 1B



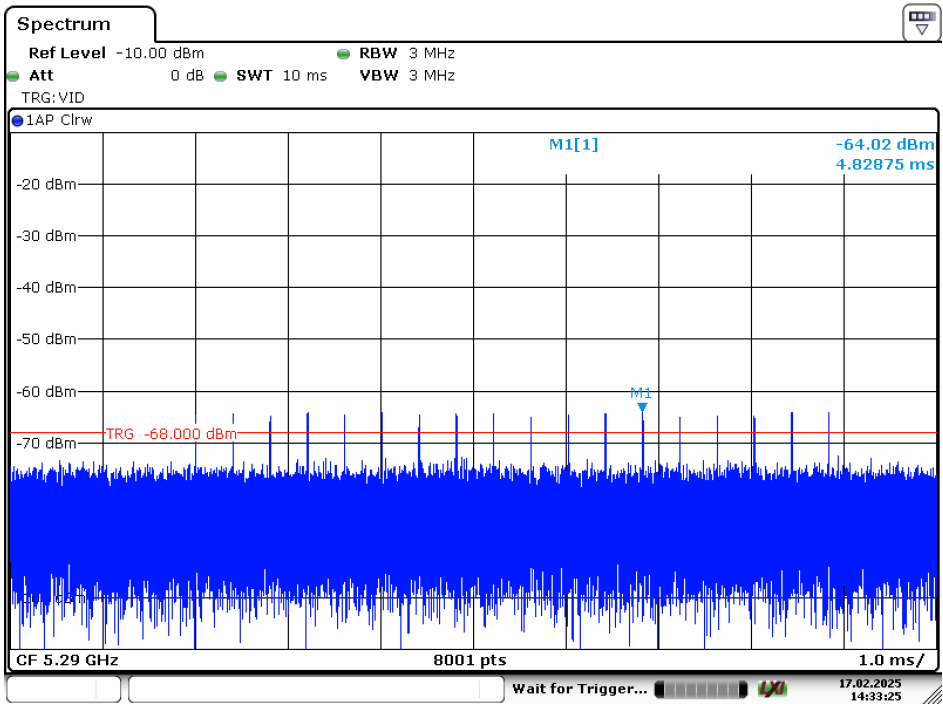
Date: 28.NOV.2024 16:08:44

Radar Type 2



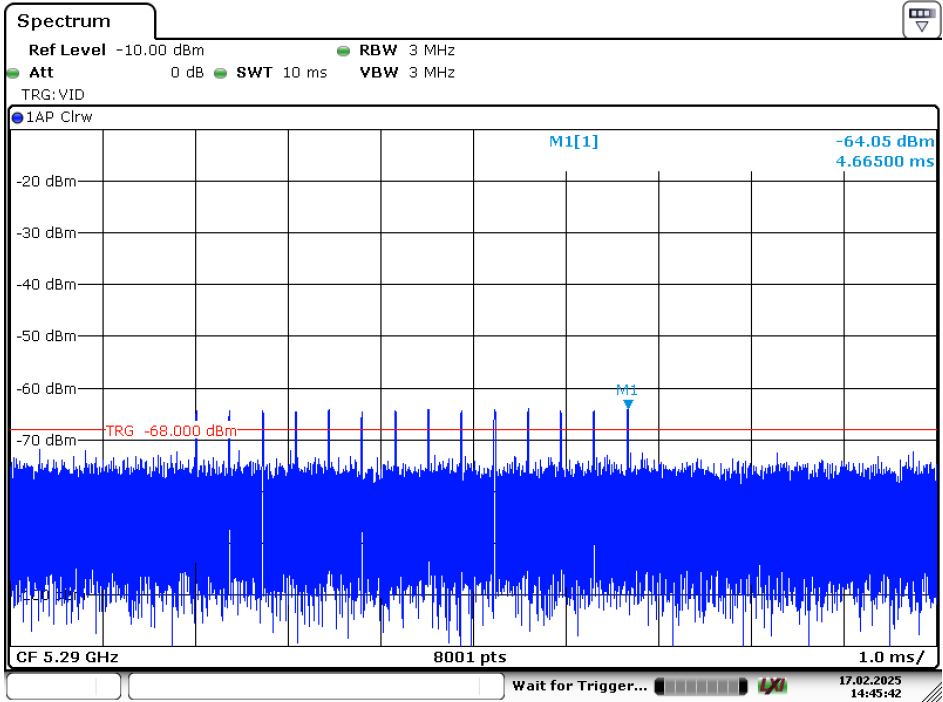
Date: 28.NOV.2024 16:22:57

Radar Type 3



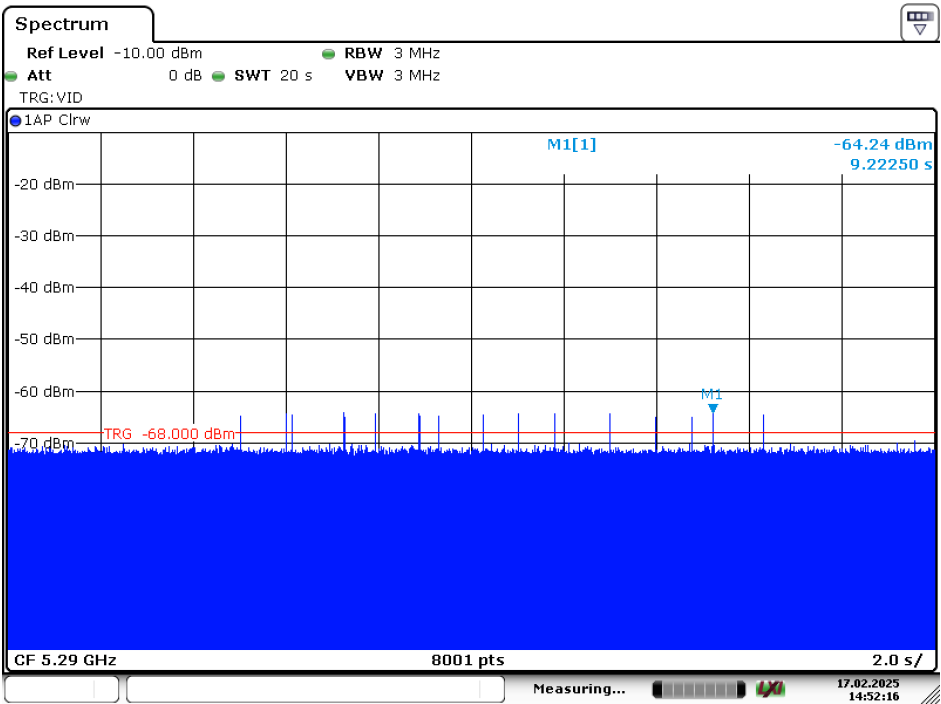
Date: 28.NOV.2024 16:24:42

Radar Type 4



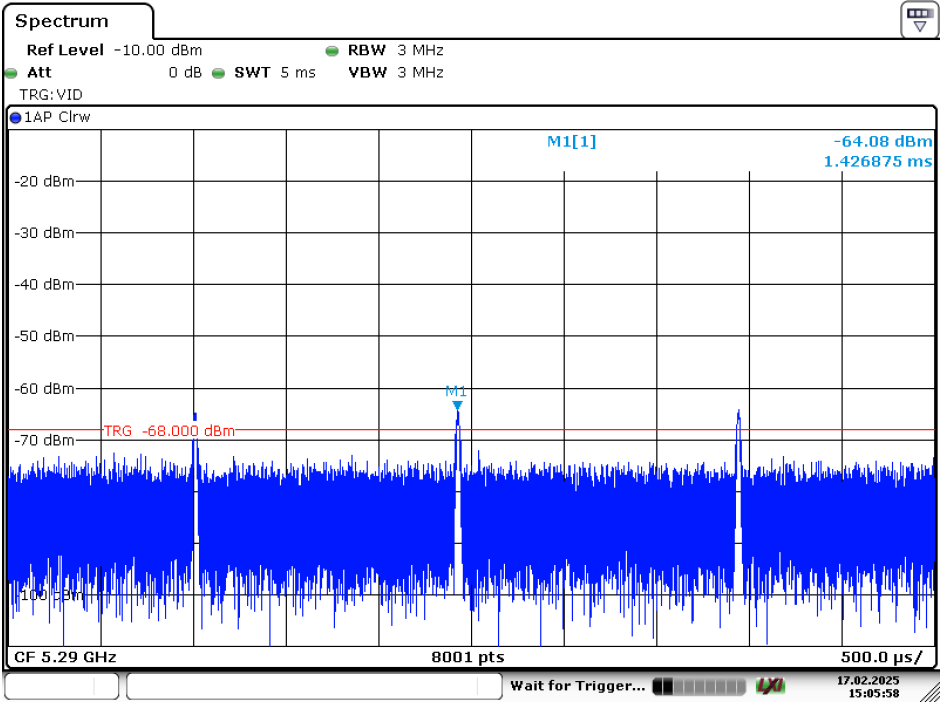
Date: 28.NOV.2024 16:26:26

Radar Type 5



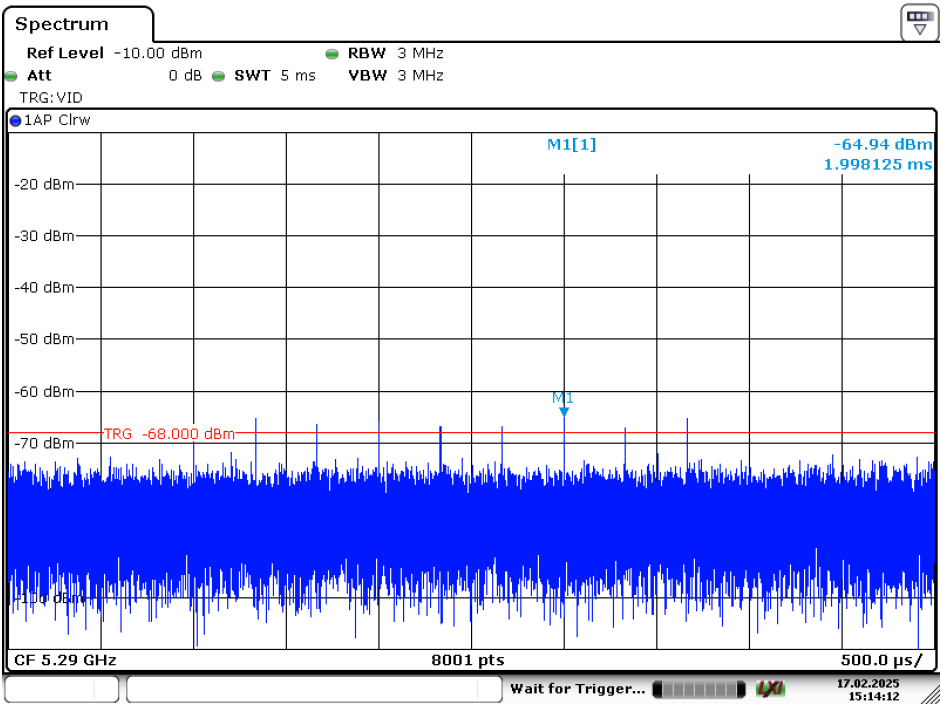
Date: 28.NOV.2024 16:31:25

Radar Type 5-Pulses



Date: 28.NOV.2024 16:39:45

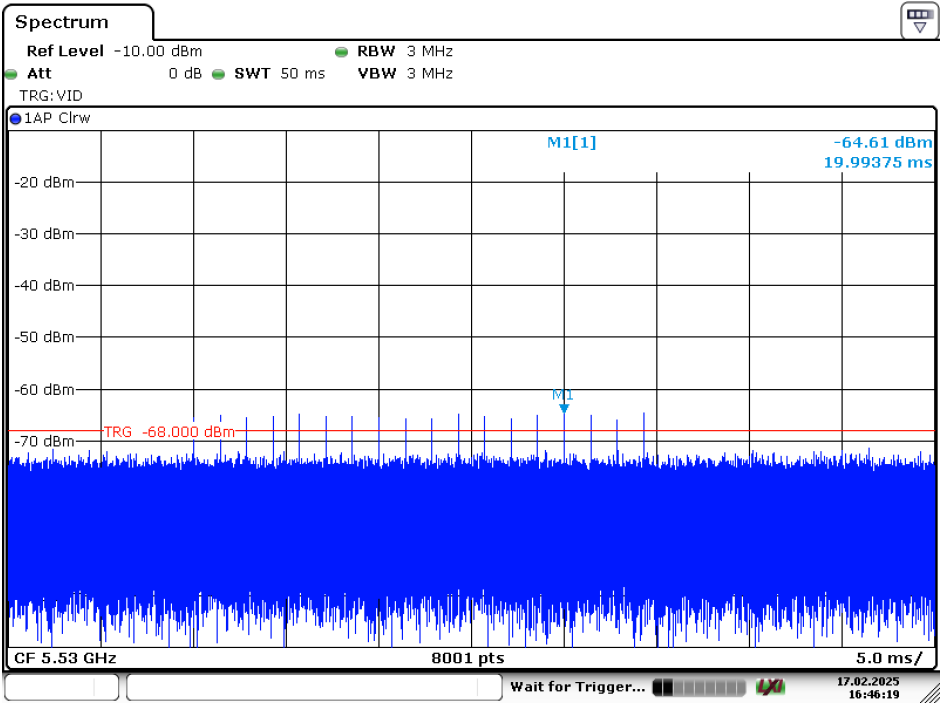
Radar Type 6



Date: 28.NOV.2024 16:46:10

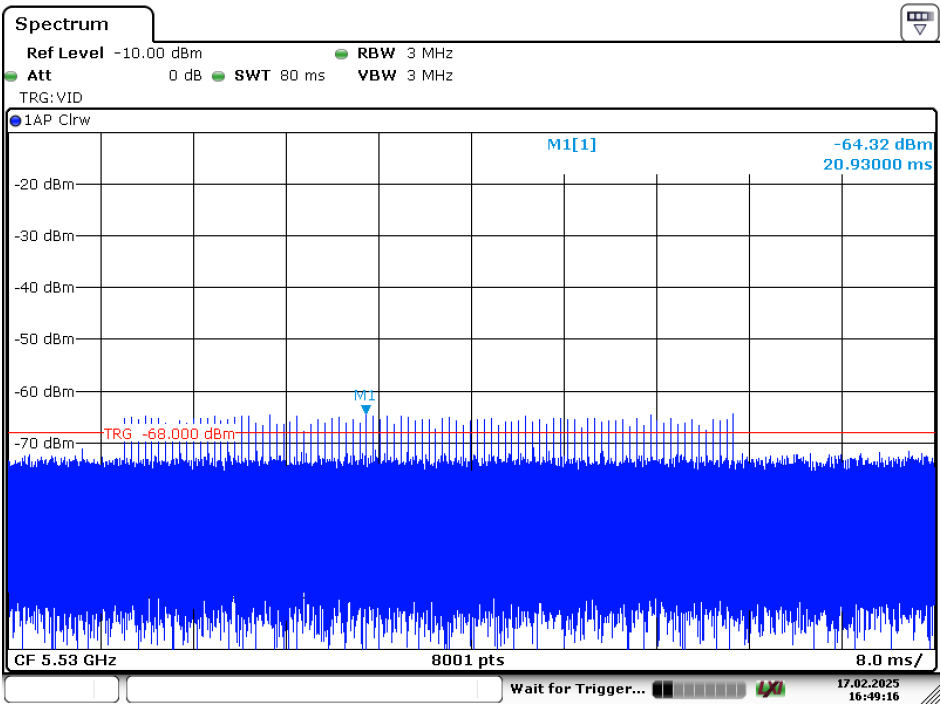
5530 MHz:

Radar Type 0



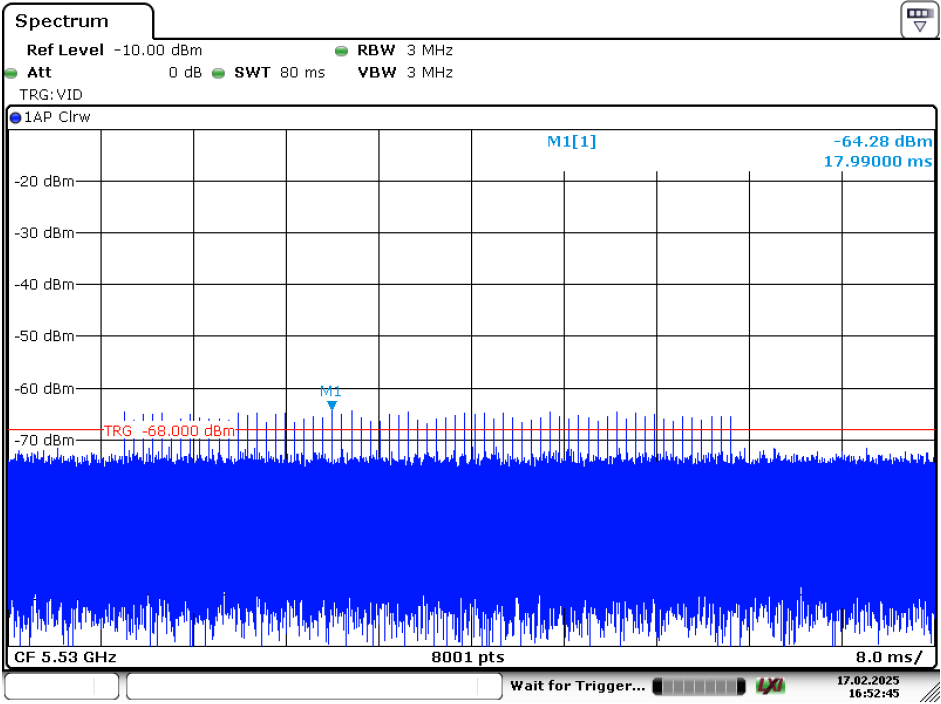
Date: 29.NOV.2024 09:01:17

Radar Type 1A



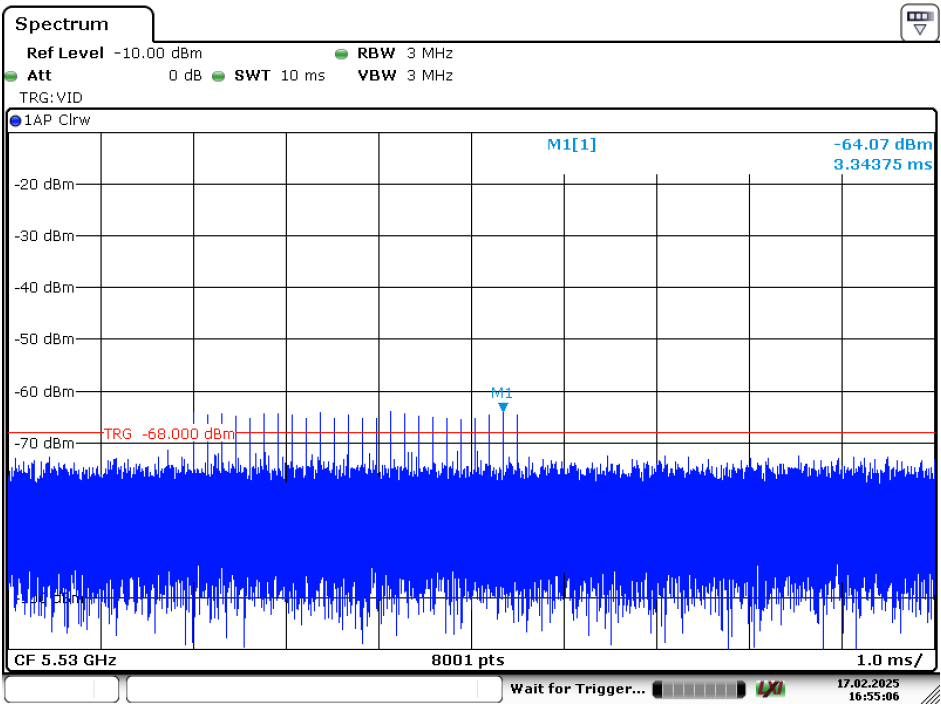
Date: 29.NOV.2024 09:03:10

Radar Type 1B



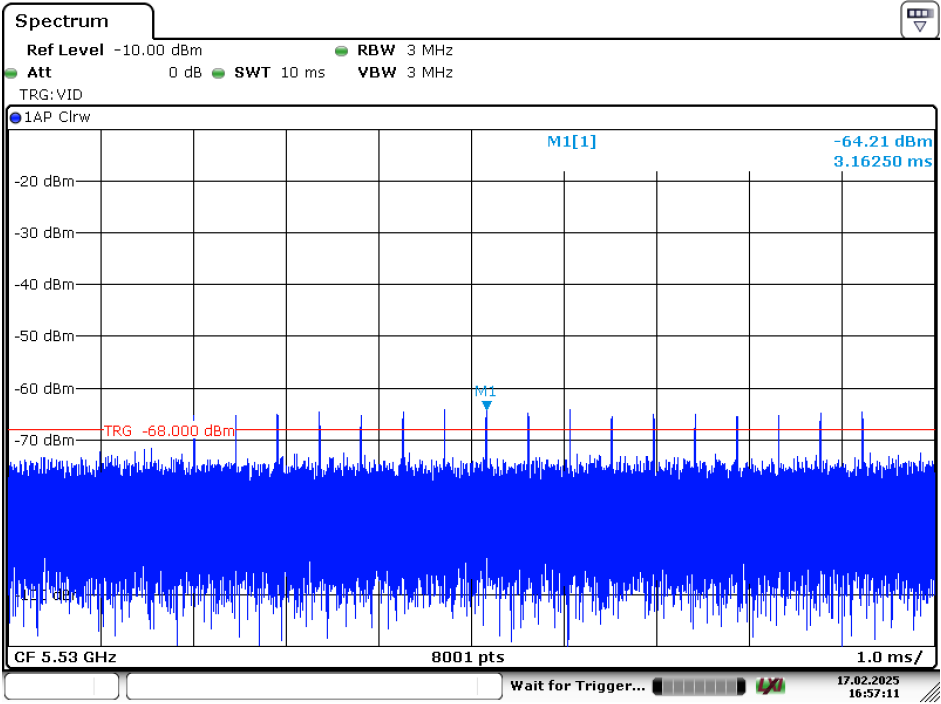
Date: 29.NOV.2024 09:05:30

Radar Type 2



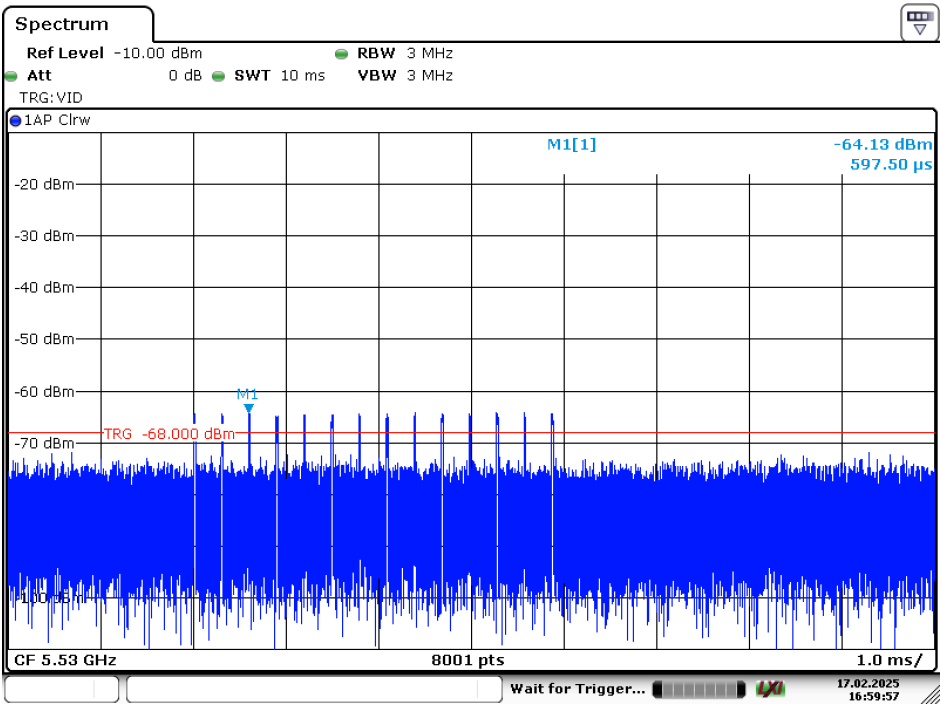
Date: 29.NOV.2024 09:10:17

Radar Type 3



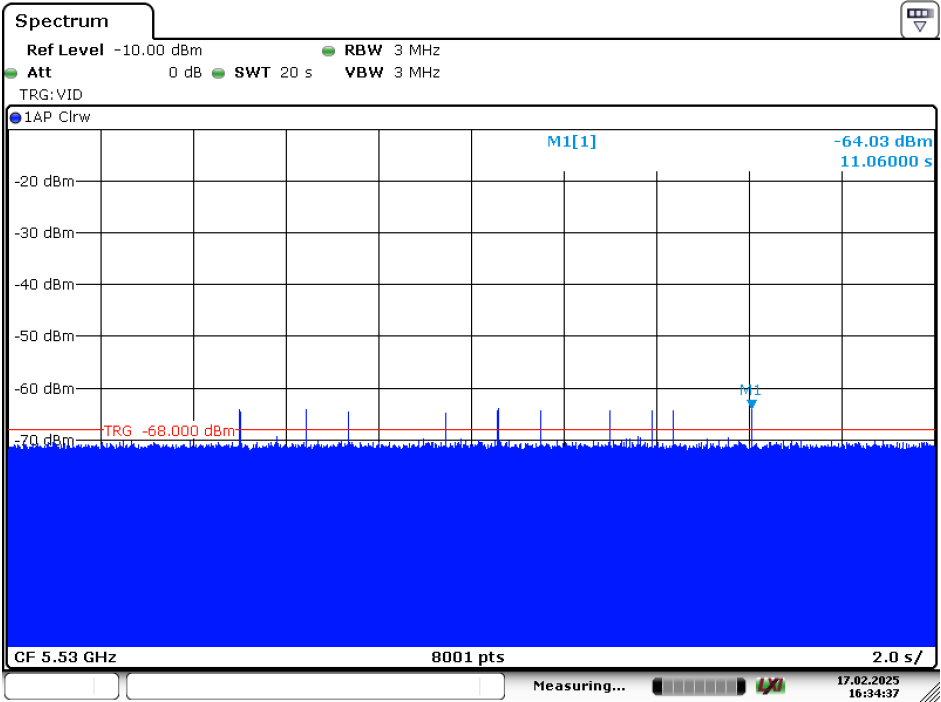
Date: 29.NOV.2024 09:13:13

Radar Type 4



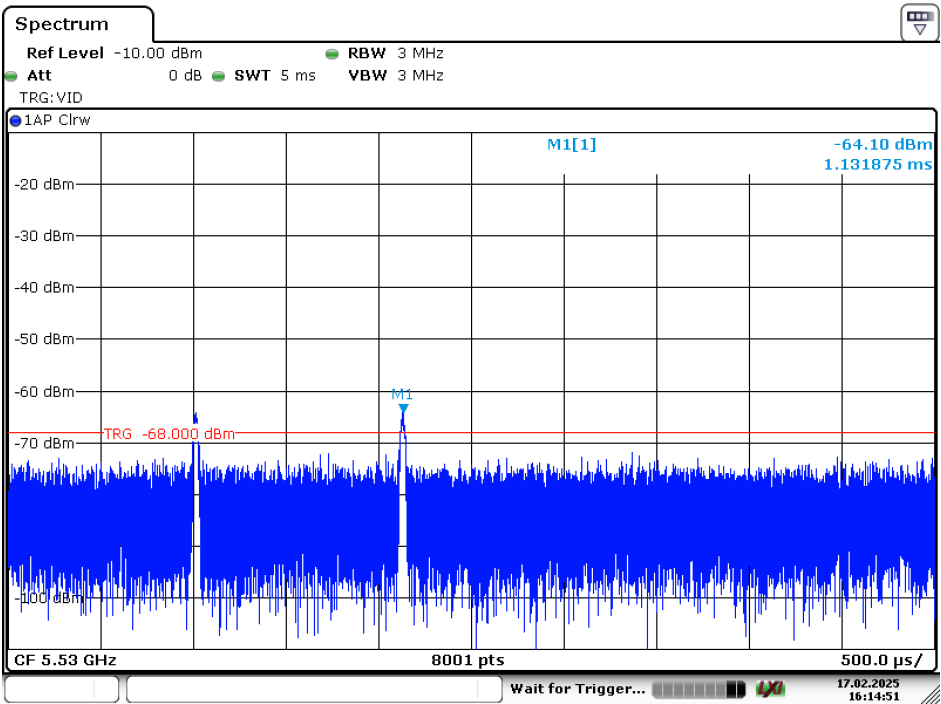
Date: 29.NOV.2024 09:18:00

Radar Type 5



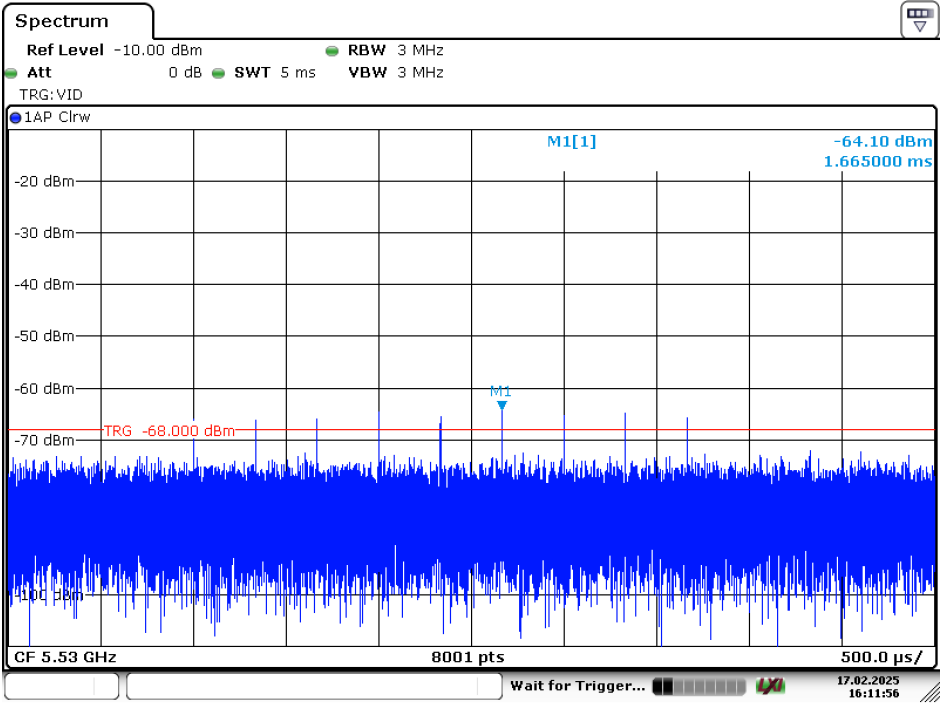
Date: 29.NOV.2024 09:23:08

Radar Type 5-Pulses



Date: 29.NOV.2024 09:34:16

Radar Type 6



Date: 29.NOV.2024 09:42:57

## 7 Channel Availability Check Time (CAC)

### 7.1 Test Procedure

1. Measure the initial power-up time of EUT.
2. With link established on channel, apply a radar signal within 0~6 seconds after the initial power-up period; monitor the transmissions on channel from the spectrum analyzer.
3. Reboot EUT, with a link established on channel, apply a radar signal within 54~60 seconds after the initial power-up period, and monitor the transmission on channel from the spectrum analyzer.

### Results

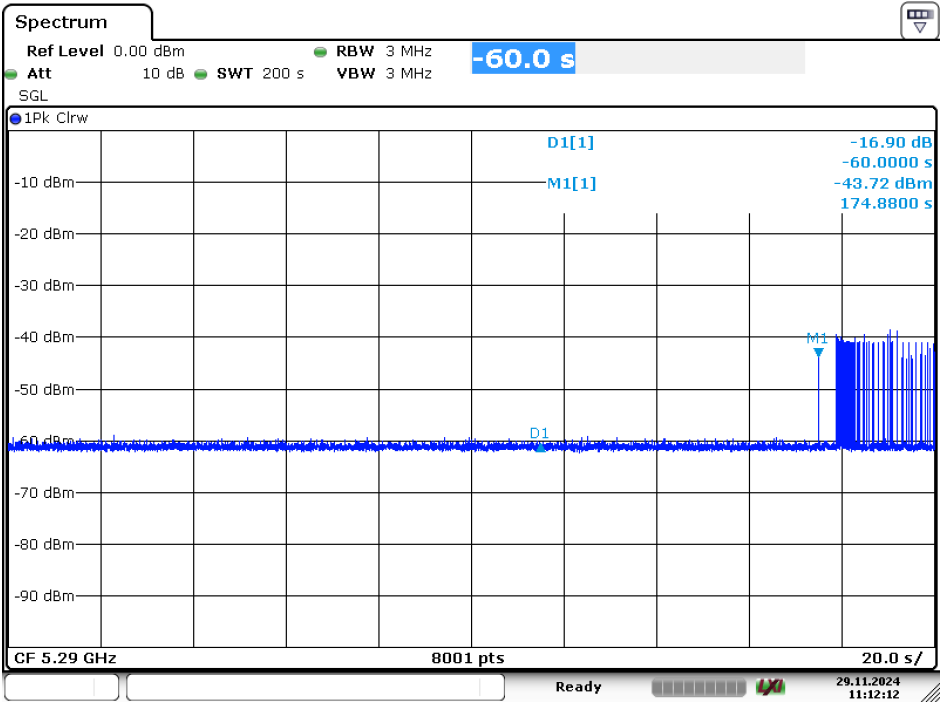
| Time of Radar Burst                  | Spectrum Analyzer Display                               |
|--------------------------------------|---------------------------------------------------------|
| No Radar Triggered                   | Transmission begin after power-up cycle +60 seconds CAC |
| Within 2 seconds of the CAC starting | No transmission                                         |
| Within the last 2 seconds of the CAC | No transmission                                         |

Please refer to the following tables and plots.

Access Point:

5290 MHz Bandwidth 80 MHz

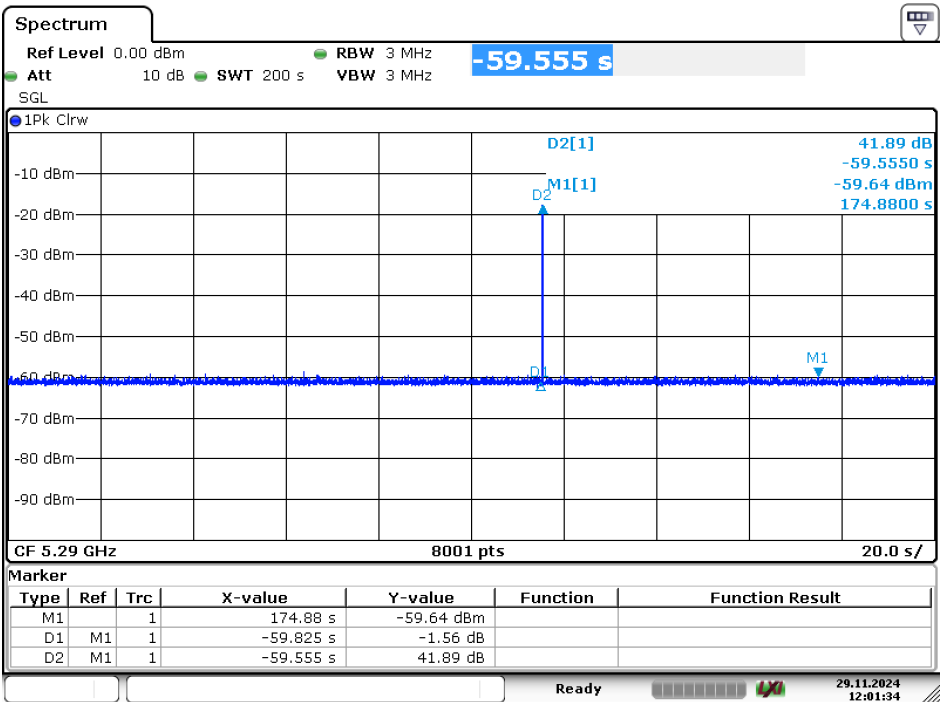
Plot of without Radar signal applied



Date: 29.NOV.2024 11:12:13

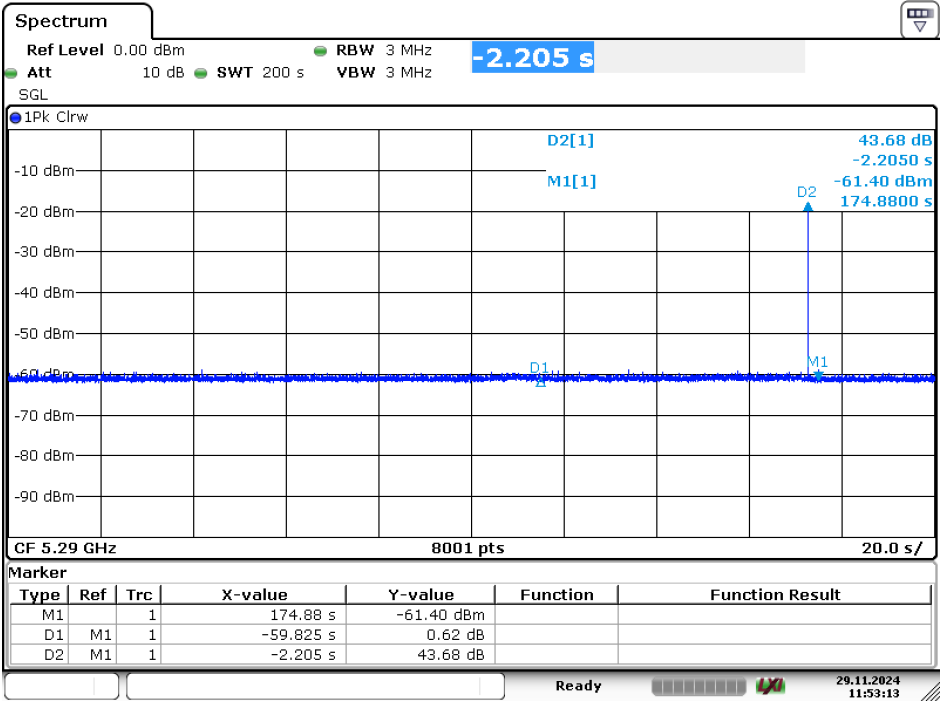
Note: EUT initial Power-up time is 114.88 seconds.

Plot of Radar signal applied within 6 seconds of start of CAC



Date: 29.NOV.2024 12:01:35

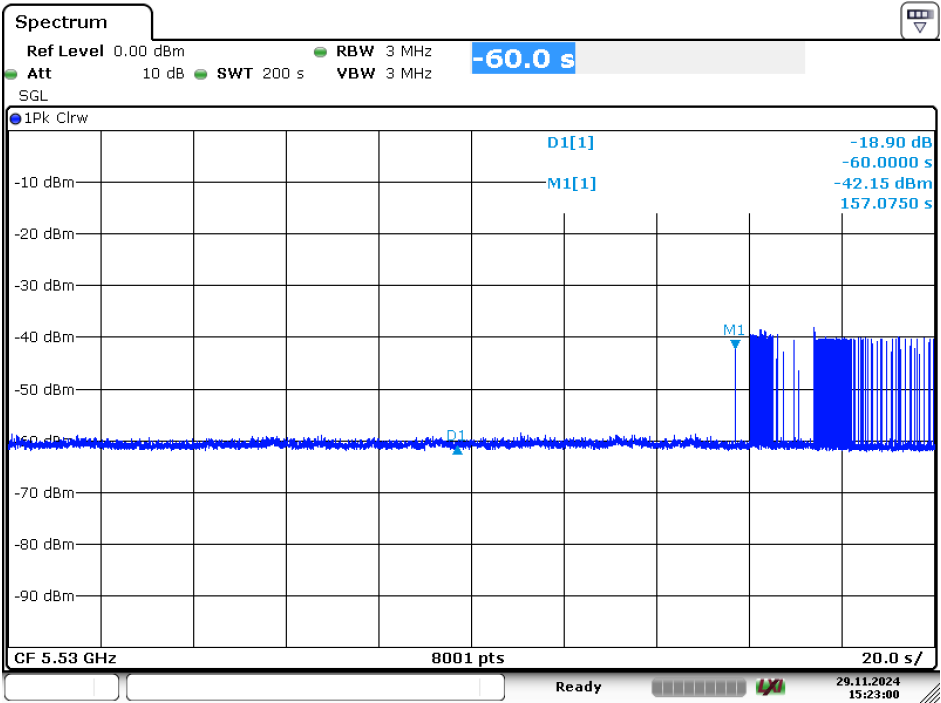
Plot of Radar signal applied at the end of 6 seconds of CAC



Date: 29.NOV.2024 11:53:13

5530 MHz Bandwidth 80 MHz

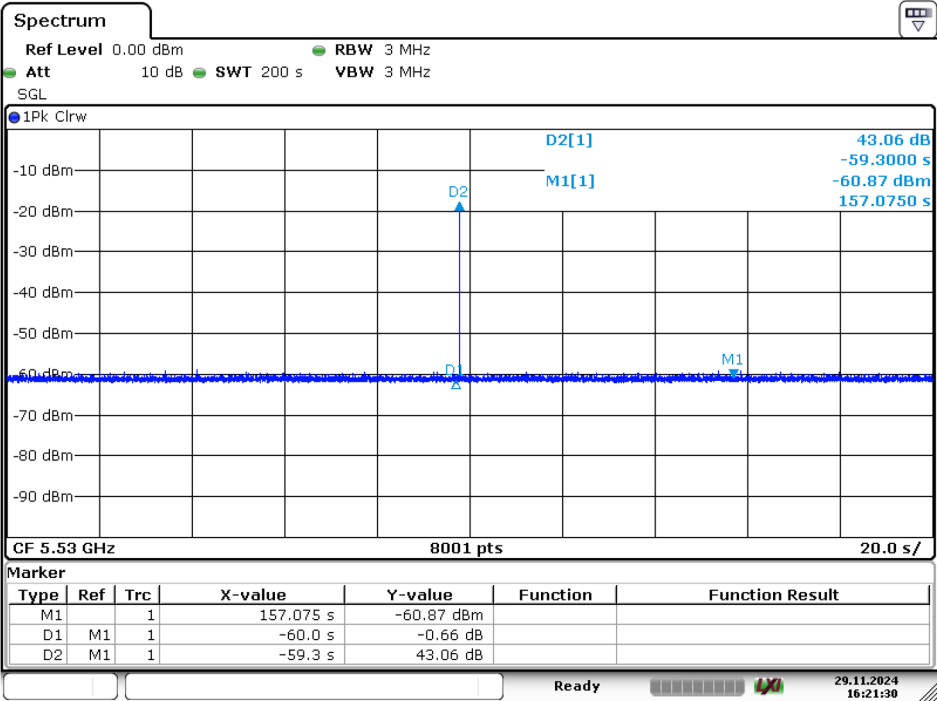
Plot of without Radar signal applied



Date: 29.NOV.2024 15:23:00

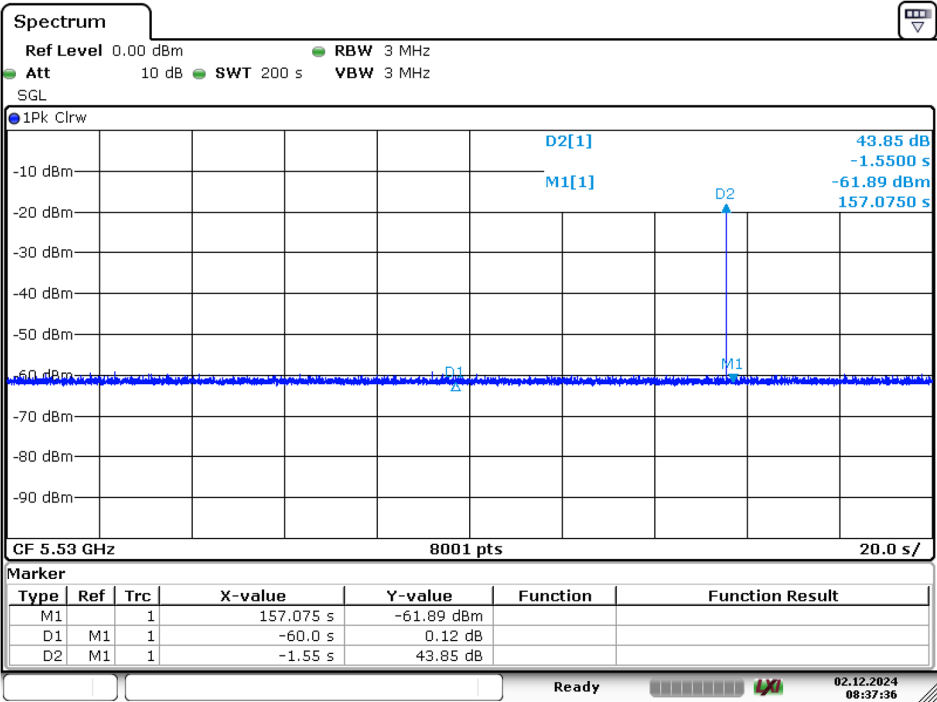
Note: EUT initial Power-up time is 97.075 seconds.

Plot of Radar signal applied within 6 seconds of start of CAC



Date: 29.NOV.2024 16:21:31

Plot of Radar signal applied at the end of 6 seconds of CAC



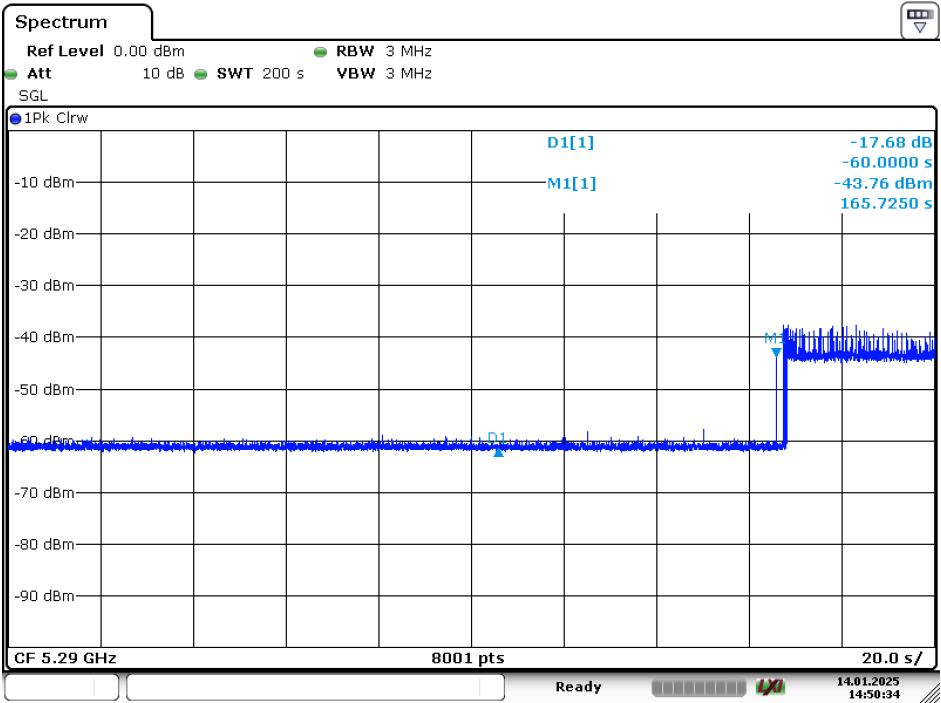
Date: 29.NOV.2024 16:27:36

Bridge Mode:

Master

5290 MHz Bandwidth 80 MHz

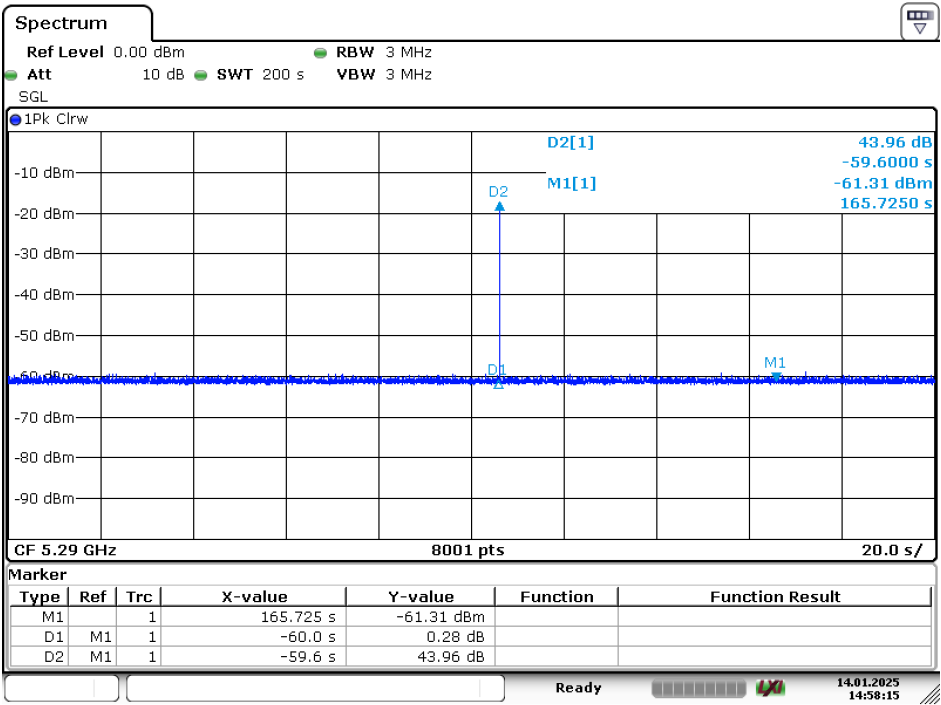
Plot of without Radar signal applied



Date: 14. JAN.2025 14:50:34

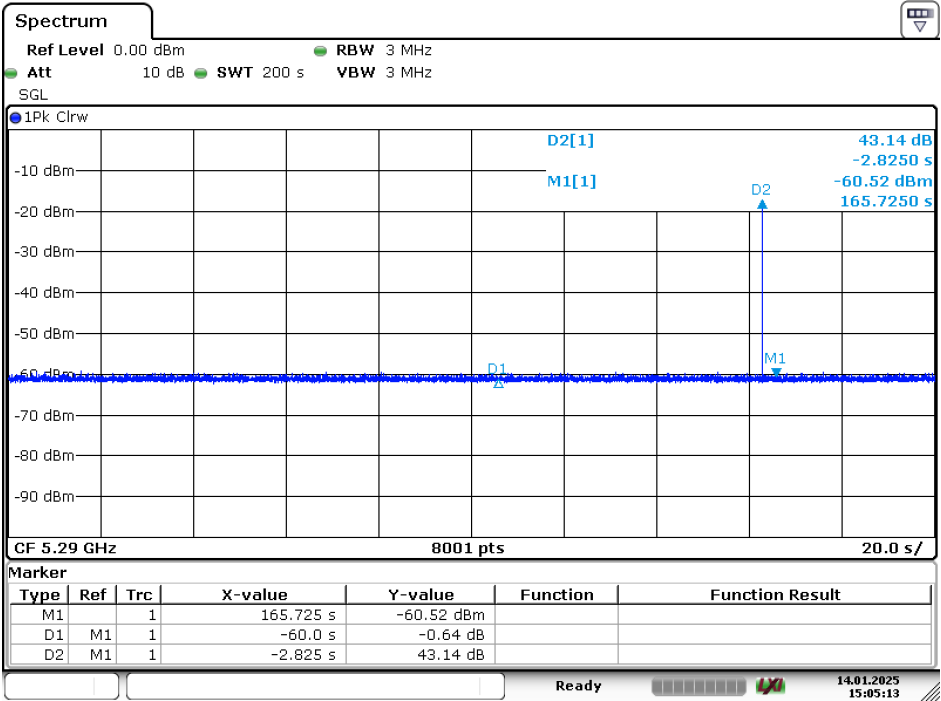
Note: EUT initial Power-up time is 105.725 seconds.

Plot of Radar signal applied within 6 seconds of start of CAC



Date: 14. JAN.2025 14:58:15

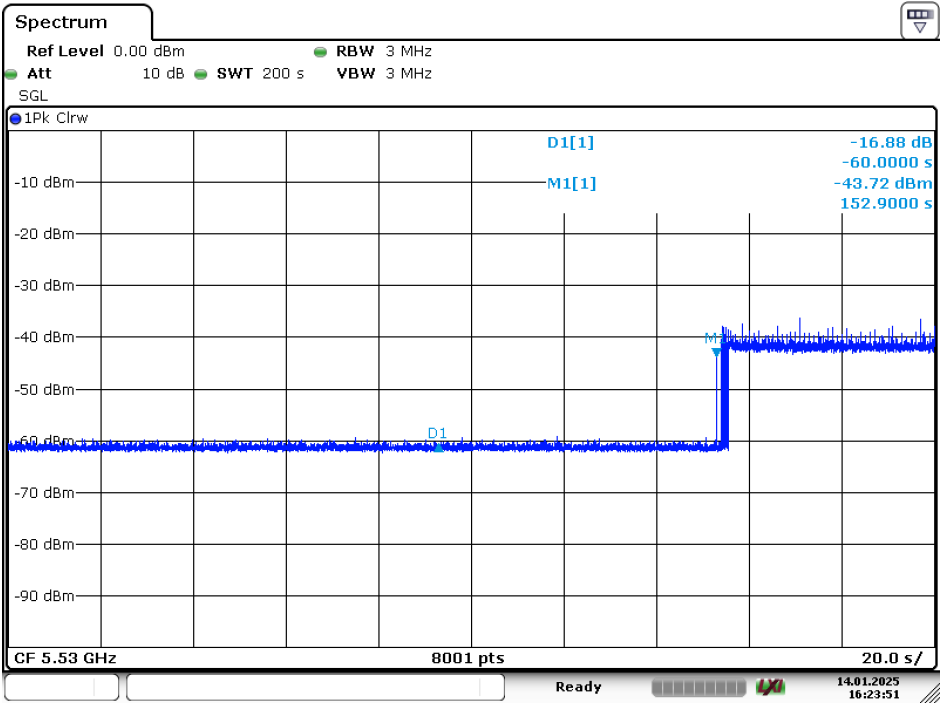
Plot of Radar signal applied at the end of 6 seconds of CAC



Date: 14. JAN.2025 15:05:13

5530 MHz Bandwidth 80 MHz

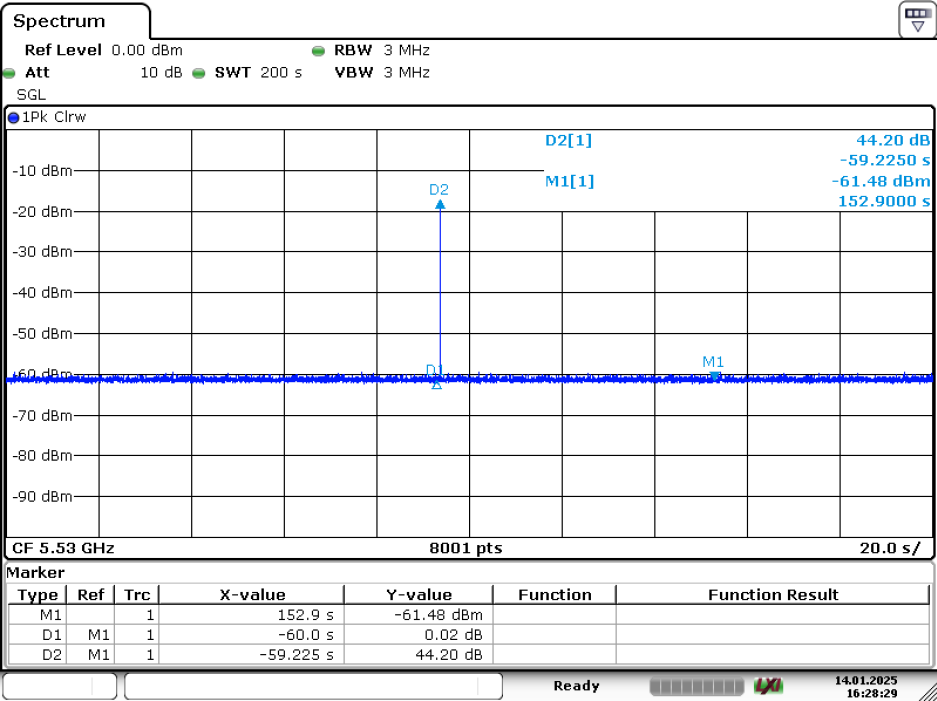
Plot of without Radar signal applied



Date: 14. JAN.2025 16:23:52

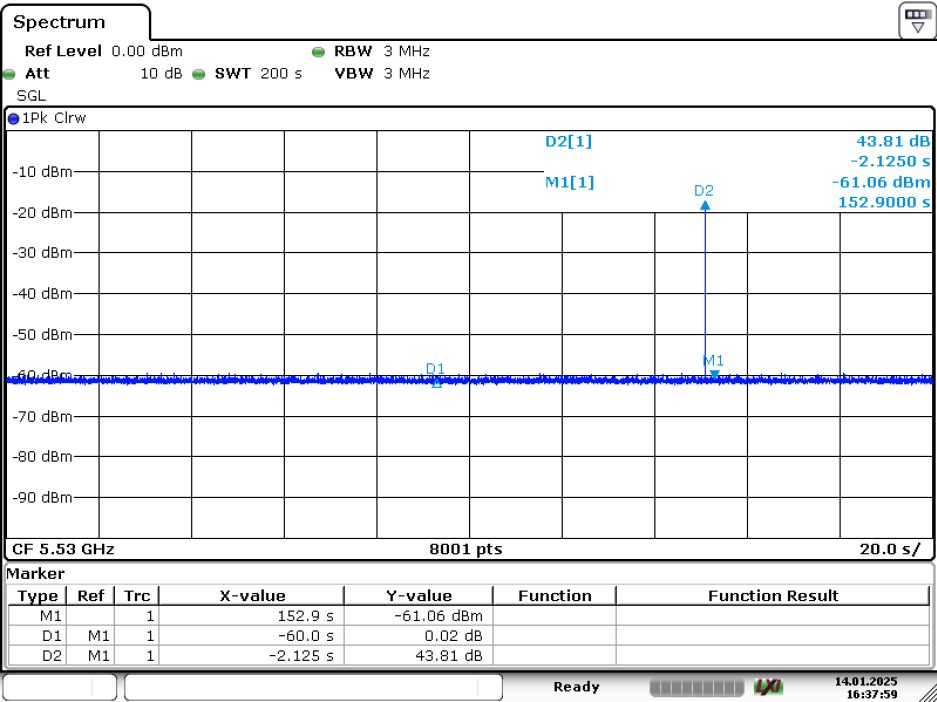
Note: EUT initial Power-up time is 92.9 seconds.

Plot of Radar signal applied within 6 seconds of start of CAC



Date: 14. JAN.2025 16:28:30

Plot of Radar signal applied at the end of 6 seconds of CAC



Date: 14. JAN.2025 16:37:59

8 Channel Move Time and Channel Closing Transmission Time

8.1 Test Procedure

Perform type 0 short pulse radar waveform. The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N\*Dwell Time

N is the number of spectrum analyzer bins showing a device transmission Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 10000)

8.2 Test Result

| Frequency (MHz) | Bandwidth (MHz) | Radar Type | Results   |
|-----------------|-----------------|------------|-----------|
| 5290            | 80              | Type 0     | Compliant |
| 5530            | 80              | Type 0     | Compliant |

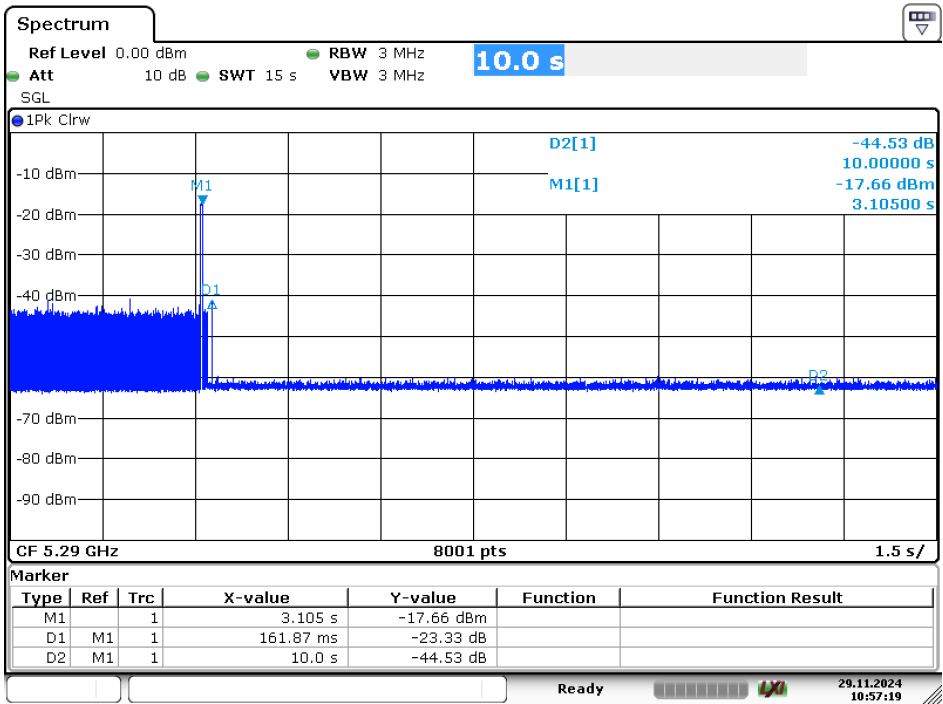
Please refer to the following tables and plots.

Access Point:

5290 MHz

Type 0 radar channel move time result:

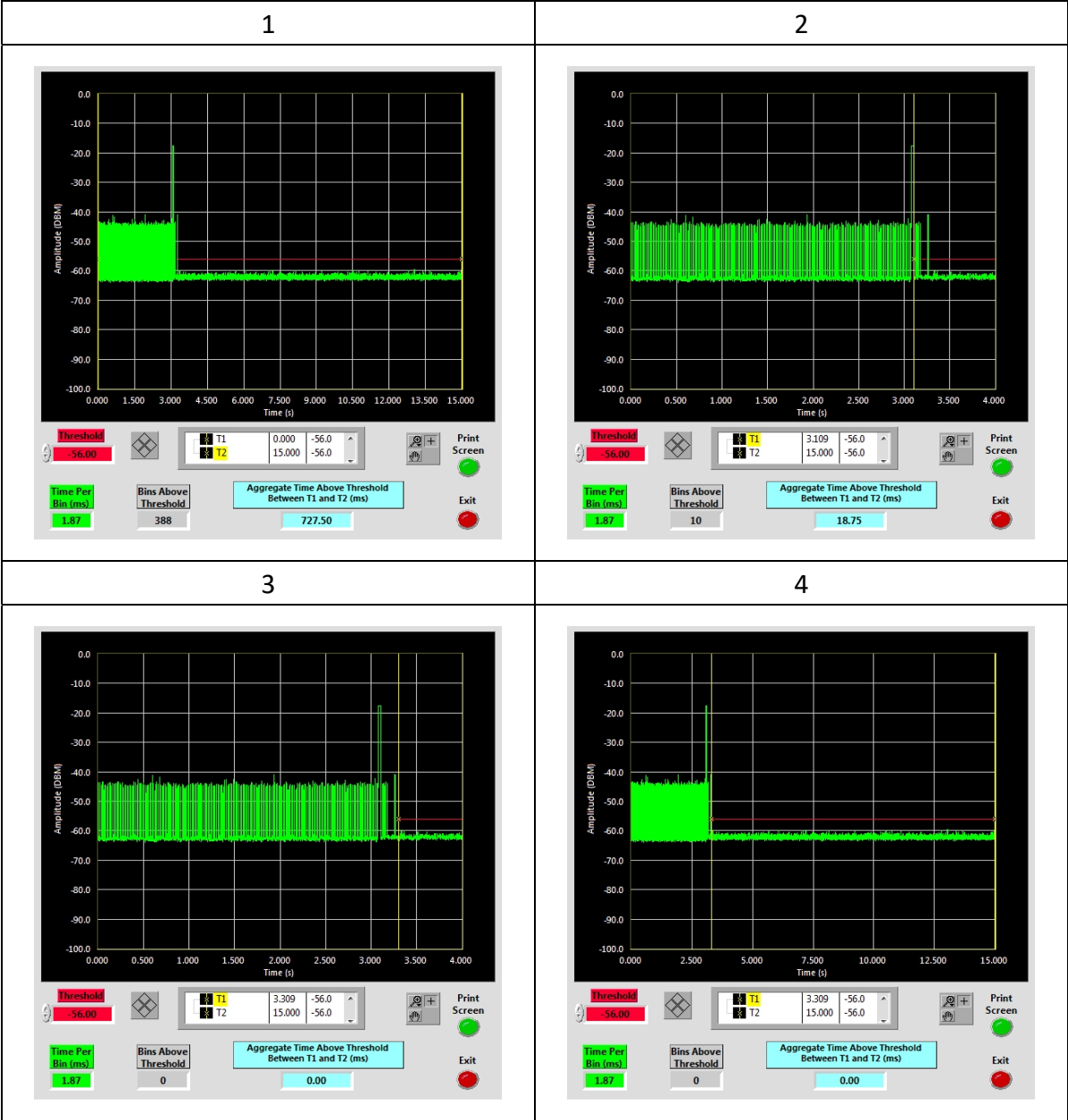
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.162    | 10        |



Date: 29.NOV.2024 10:57:19

Type0 radar channel closing transmission time result:

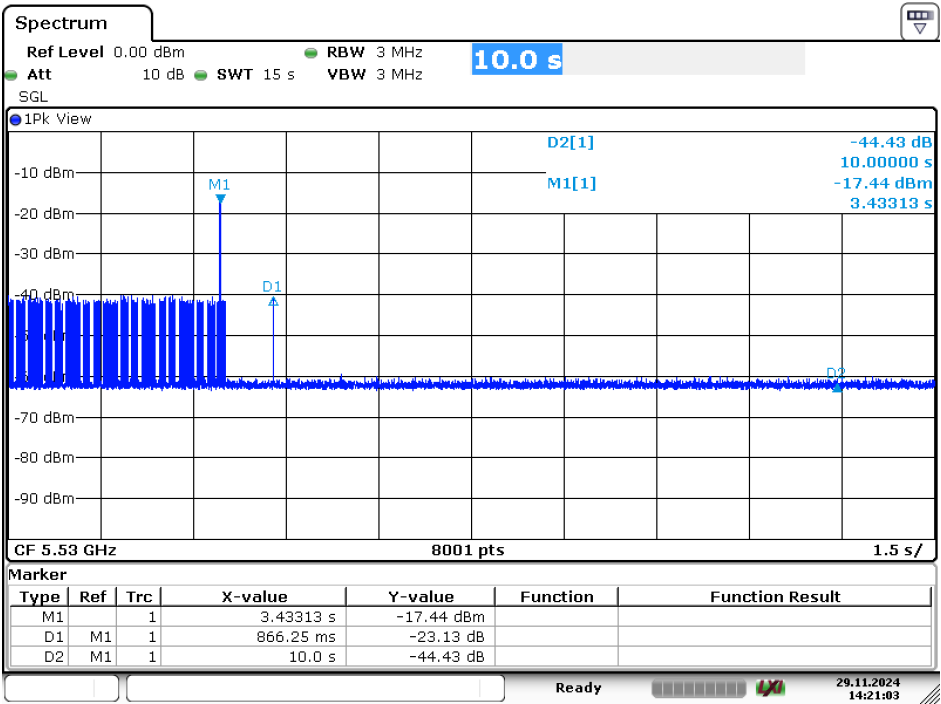
| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 0                                                  | 60         |



5530 MHz

Type 0 radar channel move time result:

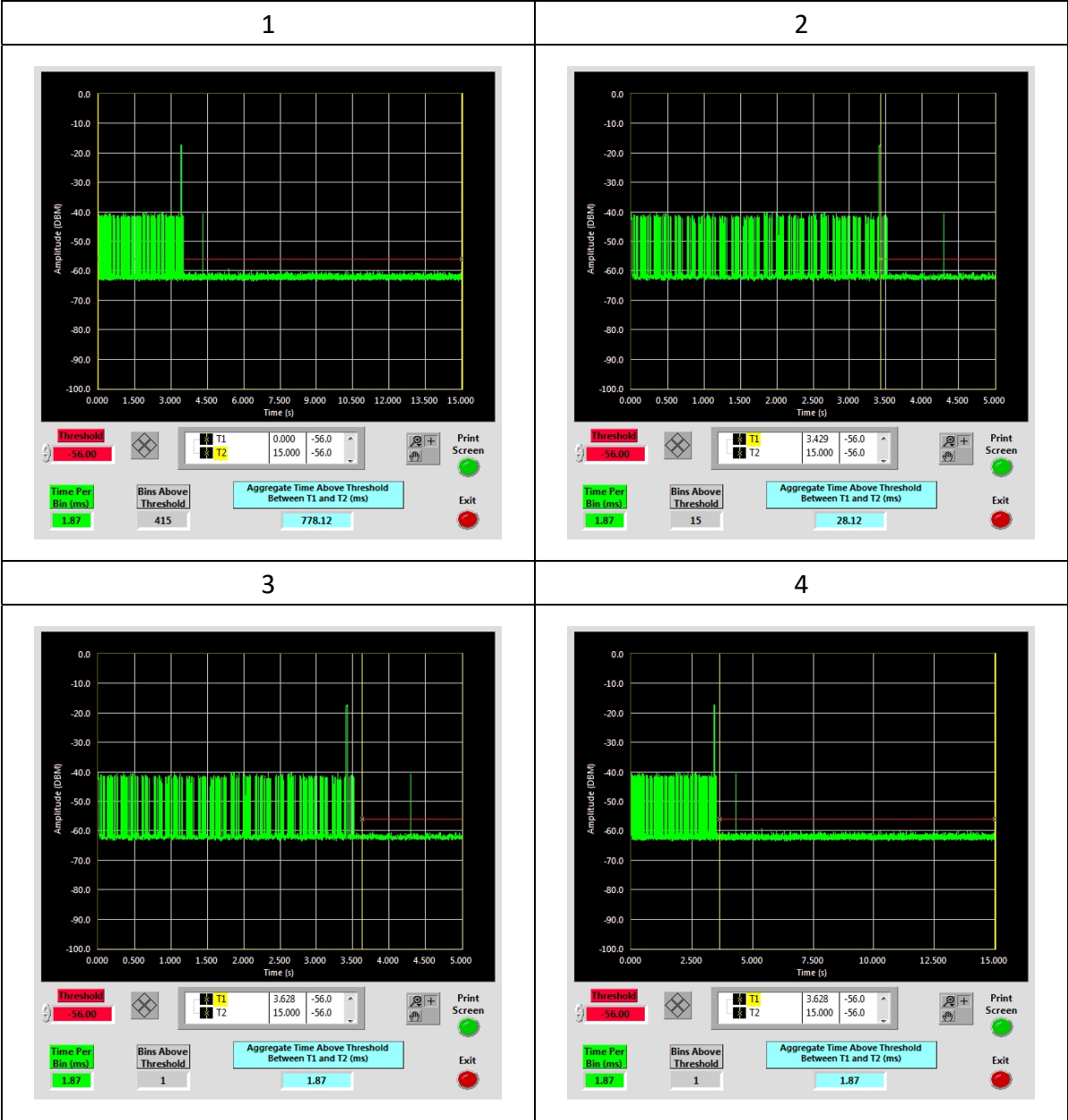
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.866    | 10        |



Date: 29.NOV.2024 14:21:03

Type0 radar channel closing transmission time result:

| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 1.87                                               | 60         |



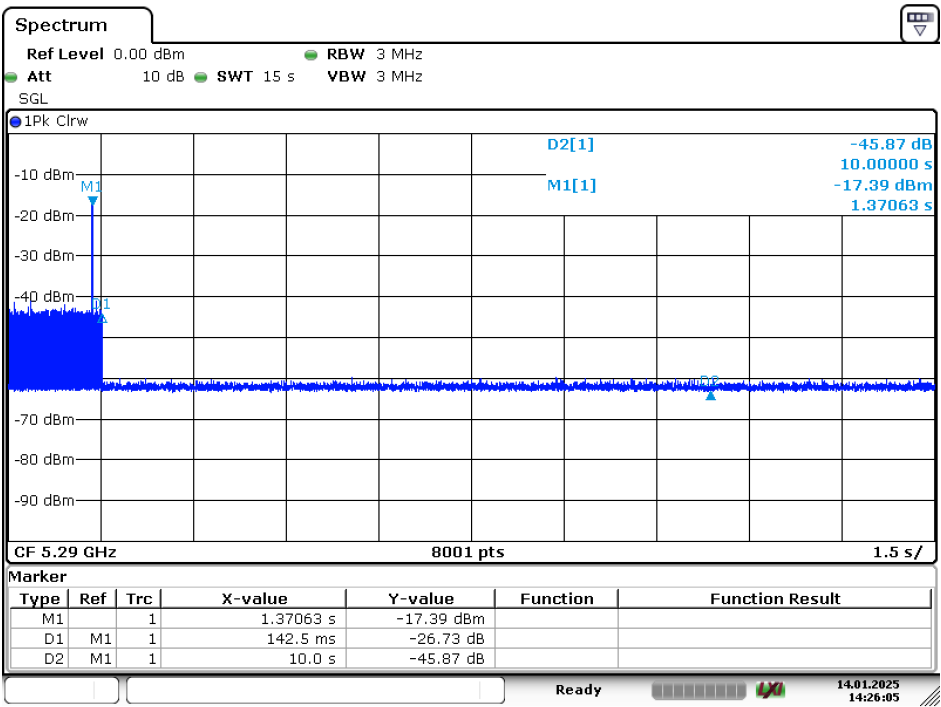
Bridge Mode:

Master

5290 MHz

Type 0 radar channel move time result:

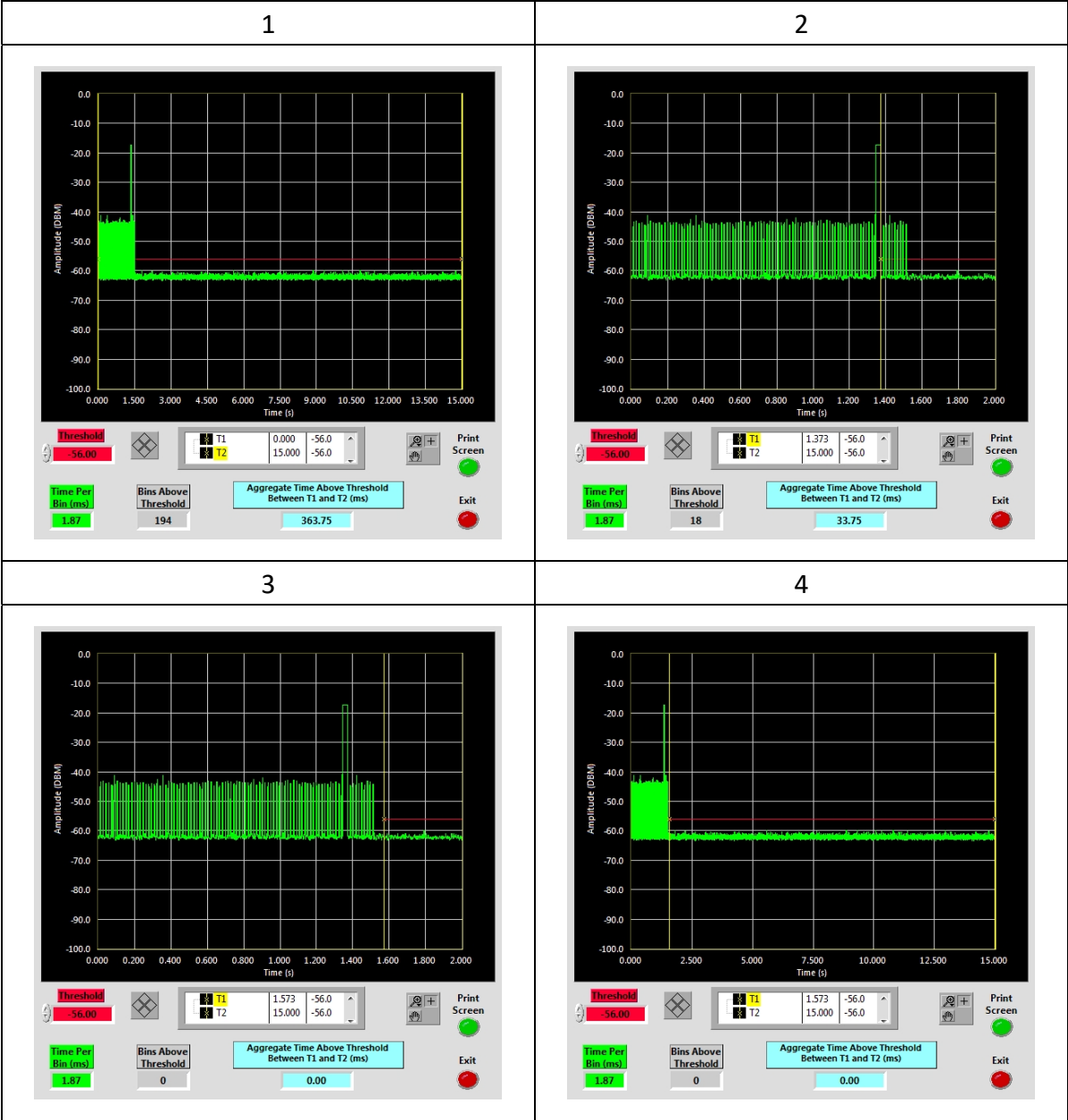
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.143    | 10        |



Date: 14.JAN.2025 14:26:05

Type0 radar channel closing transmission time result:

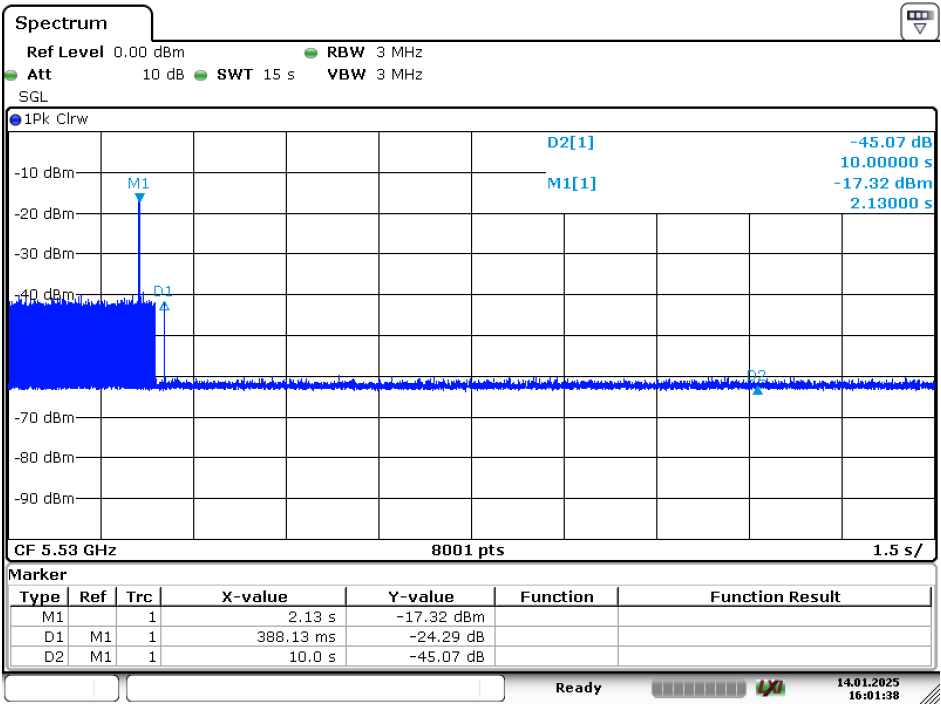
| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 0                                                  | 60         |



5530 MHz

Type 0 radar channel move time result:

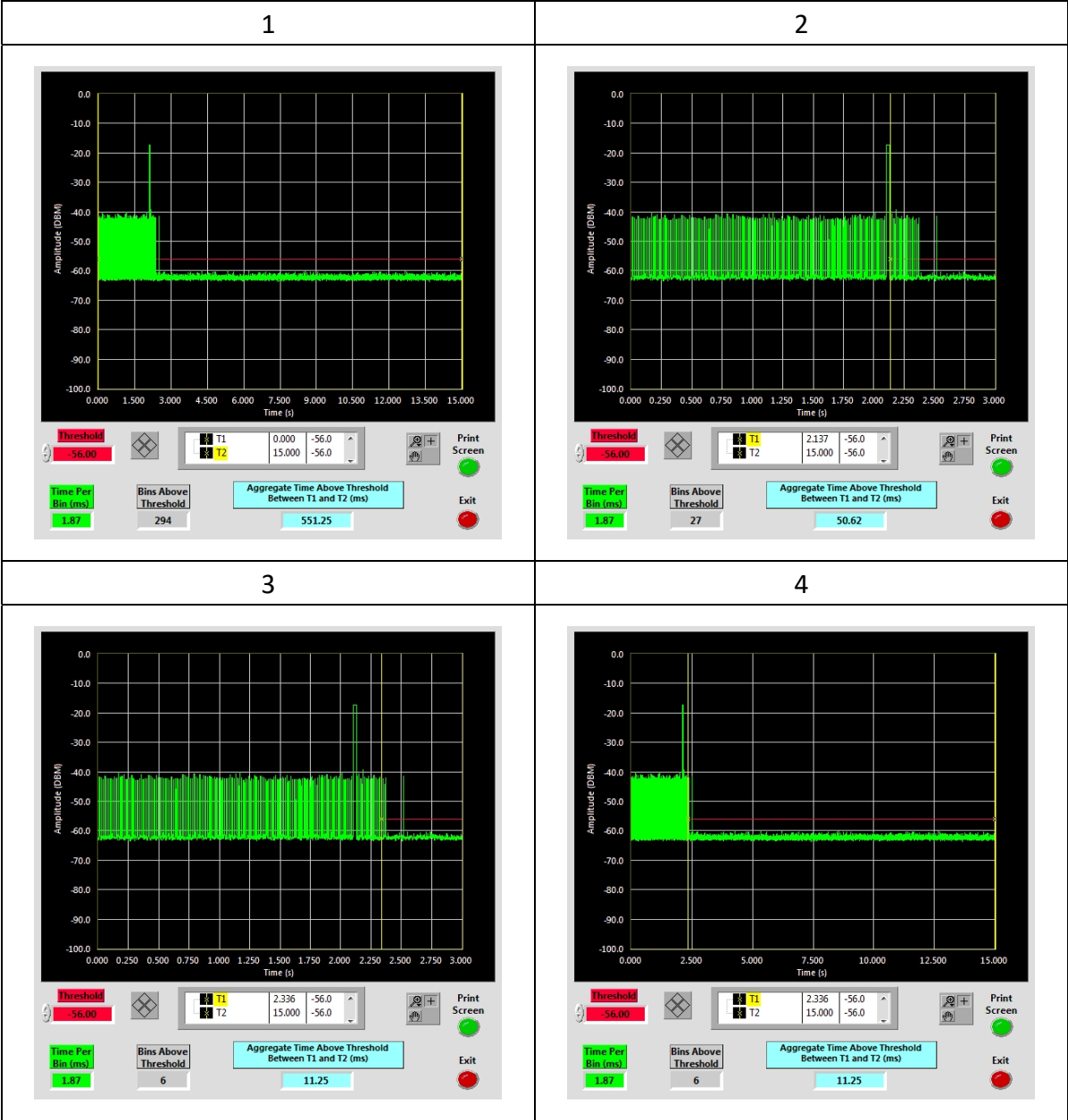
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.388    | 10        |



Date: 14.JAN.2025 16:01:38

Type0 radar channel closing transmission time result:

| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 11.25                                              | 60         |

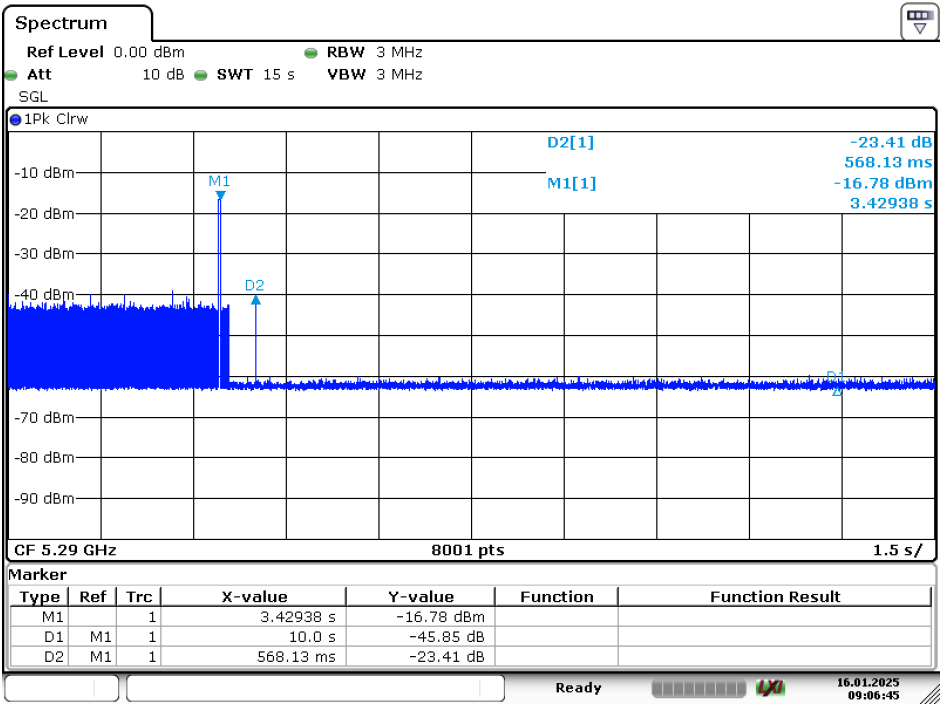


Client

5290 MHz

Type 0 radar channel move time result:

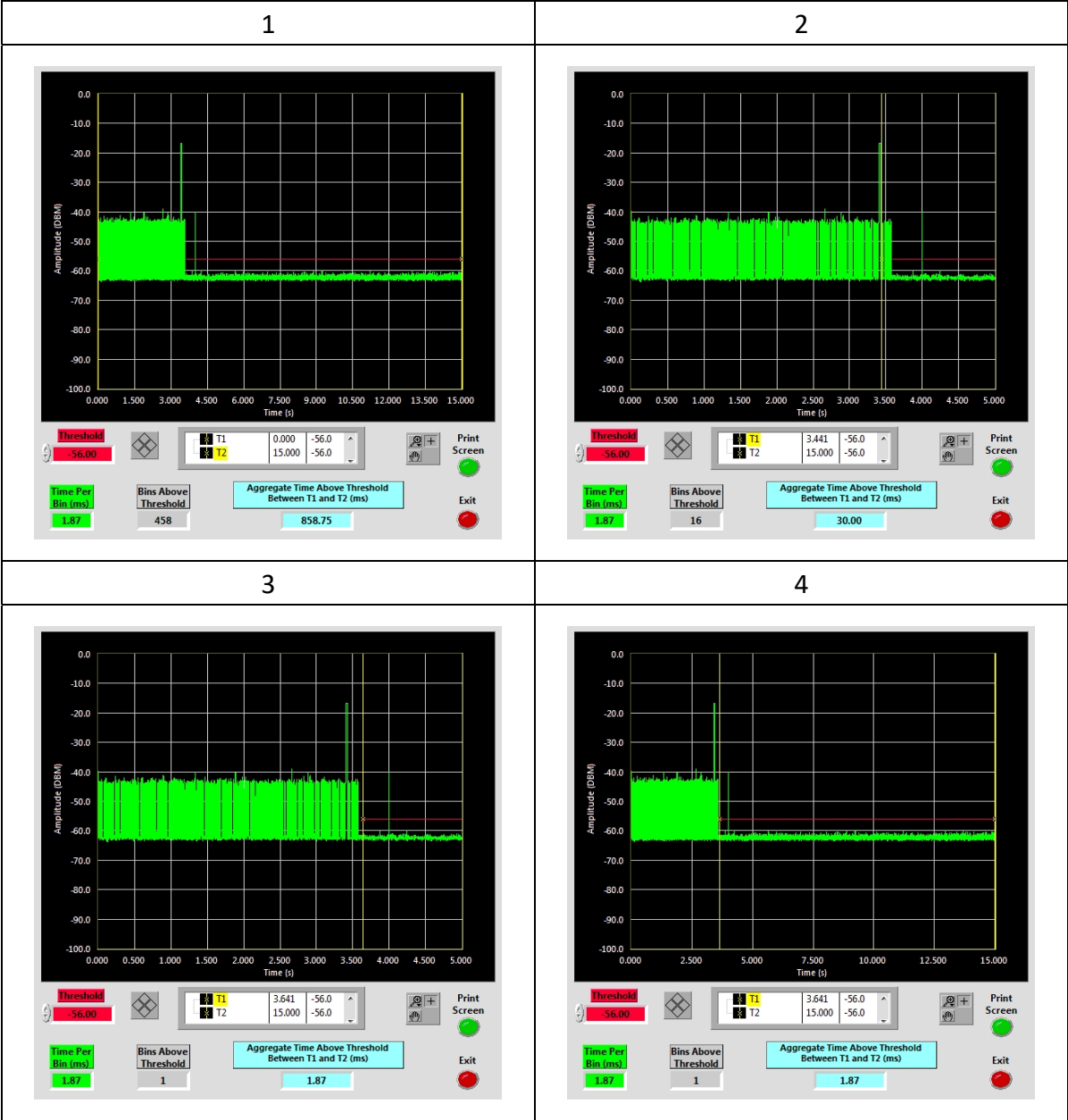
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.568    | 10        |



Date: 16.JAN.2025 09:06:45

Type0 radar channel closing transmission time result:

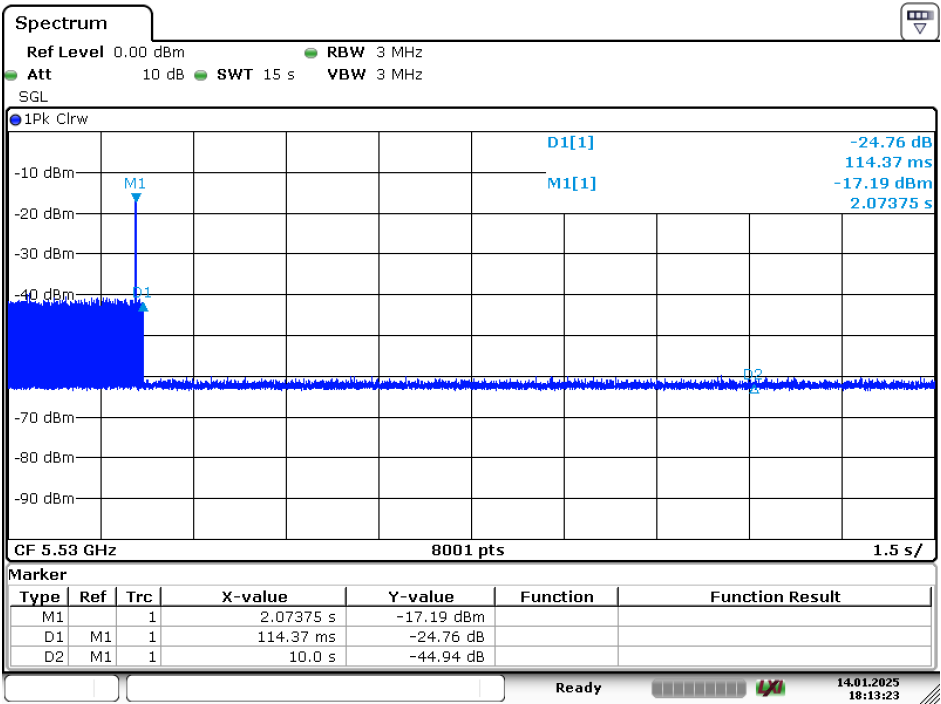
| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 1.87                                               | 60         |



5530 MHz

Type 0 radar channel move time result:

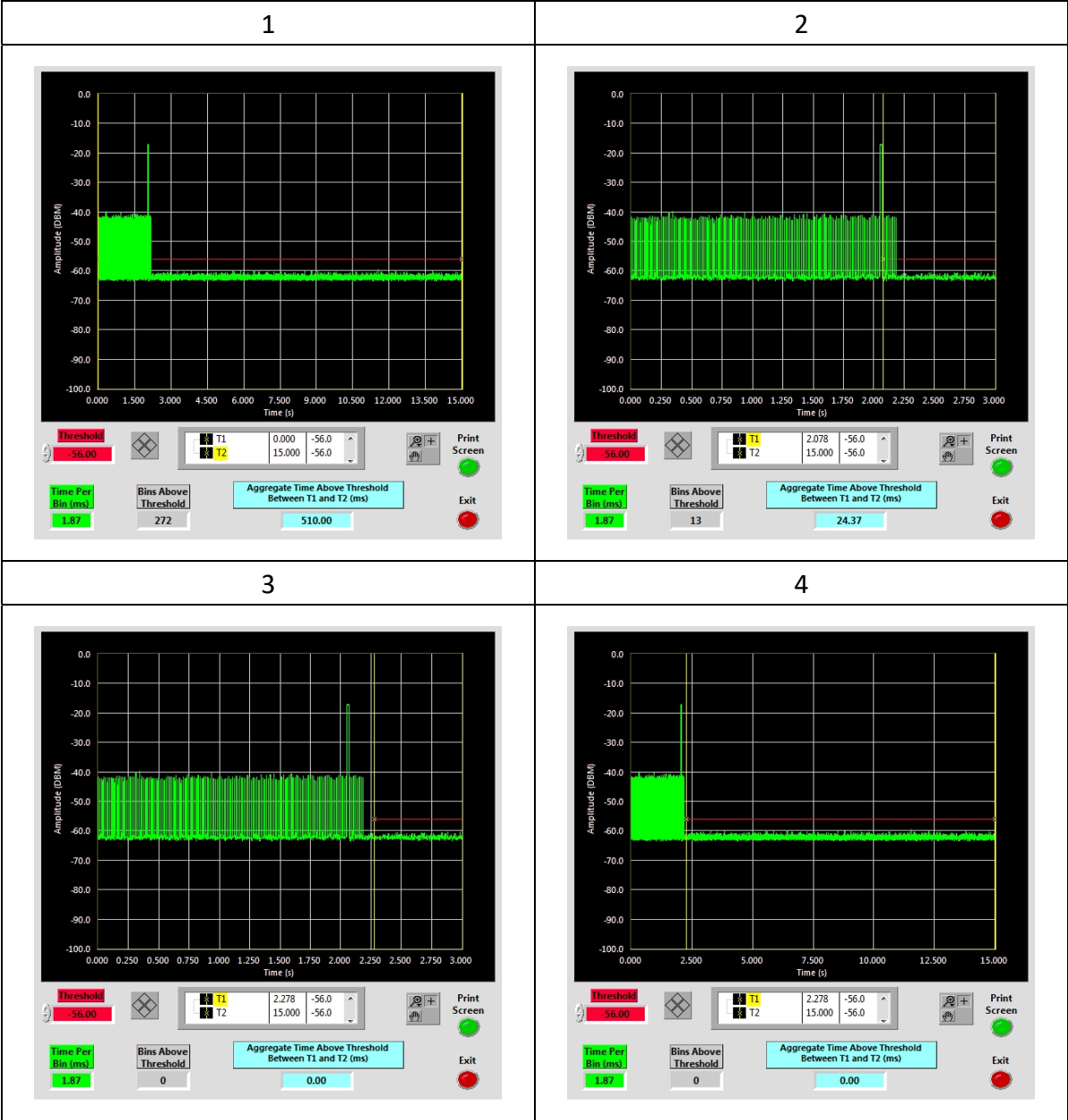
| Item              | Time (s) | Limit (s) |
|-------------------|----------|-----------|
| Channel move time | 0.114    | 10        |



Date: 14.JAN.2025 18:13:24

Type0 radar channel closing transmission time result:

| Item                      | Aggregate Transmission Time After 200ms Delay (ms) | Limit (ms) |
|---------------------------|----------------------------------------------------|------------|
| Closing Transmission Time | 0                                                  | 60         |



9 Non-Occupancy Period

9.1 Test Procedure

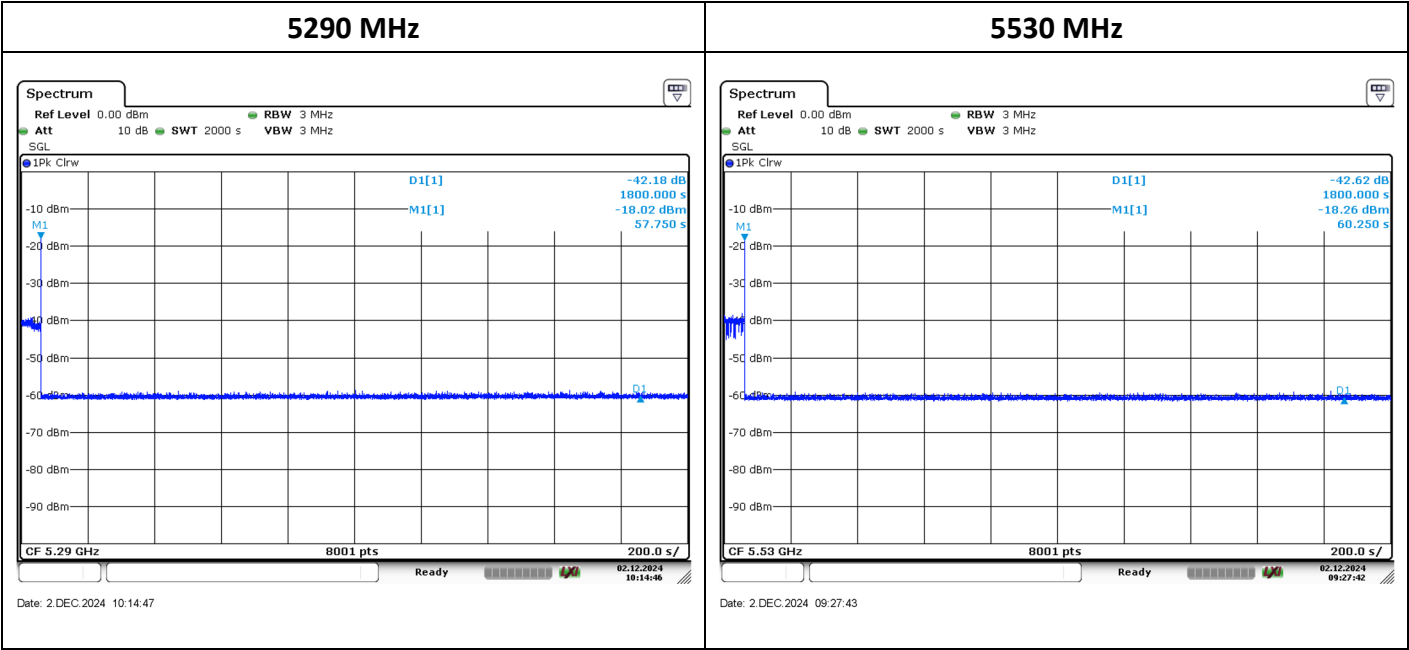
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

9.2 Test Results

| Frequency(MHz) | Bandwidth (MHz) | Spectrum Analyzer Display         |
|----------------|-----------------|-----------------------------------|
| 5290           | 80              | No transmission within 30 minutes |
| 5530           | 80              | No transmission within 30 minutes |

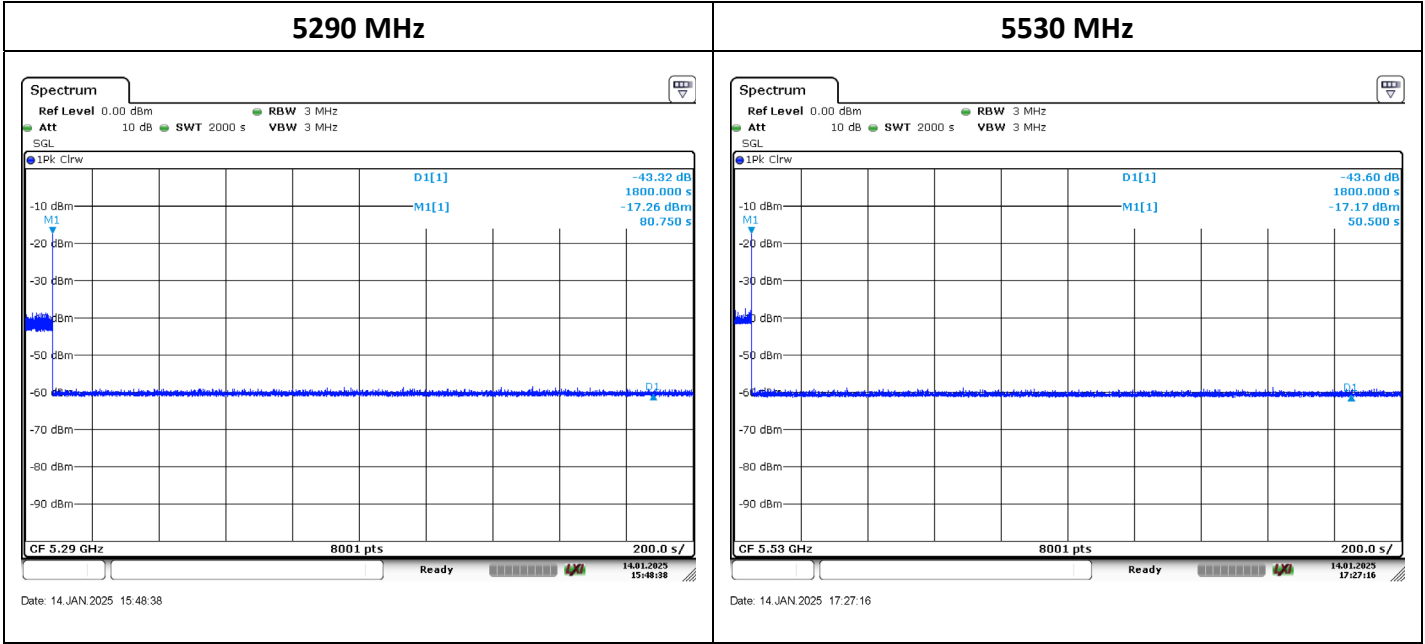
Please refer to the following plots.

Access Point:



Bridge Mode:

Master



## 10 Radar Detection Bandwidth & Radar Detection Performance Check

### 10.1 Detection Bandwidth

#### Procedure:

Performed with the short pulse radar waveforms (type 0)

Start with radar generator frequency set to the center of the channel ( $F_c$ )

Perform at least 10 trials and confirm at least 90% detected

Increment radar generator frequency by 5 MHz and repeat

Perform at least 10 trials and confirm at least 90% detected

Continue incrementing the radar frequency until detection rate falls below 90%

Starting at  $F_c - 5$  MHz, Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall.

$F_L$  is the lowest frequency at which detection was 100% or better

$F_H$  is the highest frequency at which detection was 100% or better

UNII Detection Bandwidth =  $F_H - F_L$

#### Test Results:

| Frequency<br>(MHz) | $F_L$<br>(MHz) | $F_H$<br>(MHz) | Detection<br>Bandwidth<br>(MHz) | Minimum<br>Result | Result     |
|--------------------|----------------|----------------|---------------------------------|-------------------|------------|
| 5260               | 5250           | 5270           | 20                              | 90                | Compliance |
| 5500               | 5490           | 5510           | 20                              | 90                | Compliance |
| 5270               | 5251           | 5289           | 40                              | 90                | Compliance |
| 5510               | 5491           | 5529           | 40                              | 90                | Compliance |
| 5290               | 5251           | 5329           | 80                              | 90                | Compliance |
| 5530               | 5491           | 5569           | 80                              | 90                | Compliance |

Please refer to the following tables and plots.

**Band 2**

| Detection Bandwidth Test - 802.11ax (HE20)           |                          |   |   |   |   |   |   |   |   |    |                    |
|------------------------------------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Radar Type : 0                                       |                          |   |   |   |   |   |   |   |   |    |                    |
| Frequency : 5260 MHz                                 |                          |   |   |   |   |   |   |   |   |    |                    |
| 99% Bandwidth: 19.02 MHz                             |                          |   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5250 (FL) - 5270 (FH)) : 20 MHz |                          |   |   |   |   |   |   |   |   |    |                    |
| Test Result : Pass                                   |                          |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                      | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5250                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5251                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5252                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5253                                                 | Y                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5254                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5255                                                 | Y                        | Y | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5256                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5257                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5258                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5259                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5260                                                 | Y                        | Y | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5261                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5262                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5263                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5264                                                 | Y                        | Y | Y | Y | Y | Y | N | Y | Y | Y  | 90                 |
| 5265                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5266                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5267                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5268                                                 | Y                        | Y | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5269                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5270                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

| Detection Bandwidth Test - 802.11ax (HE40)           |                          |   |   |   |   |   |   |   |   |    |                    |
|------------------------------------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Radar Type 0                                         |                          |   |   |   |   |   |   |   |   |    |                    |
| Frequency 5270 MHz                                   |                          |   |   |   |   |   |   |   |   |    |                    |
| 99% Bandwidth 37.56 MHz                              |                          |   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5251 (FL) - 5289 (FH)) : 38 MHz |                          |   |   |   |   |   |   |   |   |    |                    |
| Test Result: Pass                                    |                          |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                      | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5251                                                 | Y                        | Y | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |
| 5252                                                 | Y                        | Y | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 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 | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5256                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5257                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5258                                                 | Y                        | Y | Y | Y | Y | Y | N | Y | Y | Y  | 90                 |
| 5259                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5260                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5261                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5262                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5263                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5264                                                 | Y                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5265                                                 | Y                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5266                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5267                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5268                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5269                                                 | Y                        | Y | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5270                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5271                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5272                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5273                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5274                                                 | Y                        | Y | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5275                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5276                                                 | Y                        | Y | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5277                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5278                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5279                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | N  | 90                 |
| 5280                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5281                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5282                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5283                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5284                                                 | Y                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5285                                                 | Y                        | Y | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5286                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5287                                                 | Y                        | Y | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |
| 5288                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5289                                                 | Y                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |

| Detection Bandwidth Test - 802.11ax (HE80)    |                          |          |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------|--------------------------|----------|---|---|---|---|---|---|---|----|--------------------|
| Radar Type                                    |                          | 0        |   |   |   |   |   |   |   |    |                    |
| Frequency                                     |                          | 5290 MHz |   |   |   |   |   |   |   |    |                    |
| 99% Bandwidth                                 |                          | 77 MHz   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5251 (FL) - 5329 (FH)) : |                          | 78 MHz   |   |   |   |   |   |   |   |    |                    |
| Test Result:                                  |                          | Pass     |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                         | Trial Number / Detection |          |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                               | 1                        | 2        | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5251                                          | Y                        | Y        | Y | Y | Y | Y | N | Y | Y | Y  | 90                 |
| 5252                                          | Y                        | Y        | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5253                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5254                                          | Y                        | Y        | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5255                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5256                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5257                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5258                                          | N                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5259                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5260                                          | Y                        | Y        | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5261                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5262                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5263                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | N | Y  | 90                 |
| 5264                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5265                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5266                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5267                                          | Y                        | Y        | Y | Y | Y | Y | N | Y | Y | Y  | 90                 |
| 5268                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5269                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5270                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5271                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5272                                          | N                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5273                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5274                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5275                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5276                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5277                                          | Y                        | Y        | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5278                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5279                                          | Y                        | Y        | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |
| 5280                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5281                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5282                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5283                                          | Y                        | Y        | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5284                                          | 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 | N | Y  | 90                 |
| 5287                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5288                                          | Y                        | Y        | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5289                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5290                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5291                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 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        | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 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 | N | Y  | 90                 |
| 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 | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5303                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5304                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5305                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5306                                          | Y                        | Y        | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5307                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5308                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5309                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5310                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5311                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5312                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5313                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5314                                          | N                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5315                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5316                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5317                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5318                                          | Y                        | Y        | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |
| 5319                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5320                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5321                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5322                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5323                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5324                                          | Y                        | N        | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5325                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5326                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5327                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5328                                          | Y                        | Y        | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5329                                          | Y                        | Y        | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |

**Band 3**

| Detection Bandwidth Test - 802.11ax (HE20)           |                          |   |   |   |   |   |   |   |   |    |                    |
|------------------------------------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
| Radar Type : 0                                       |                          |   |   |   |   |   |   |   |   |    |                    |
| Frequency : 5500 MHz                                 |                          |   |   |   |   |   |   |   |   |    |                    |
| 99% Bandwidth : 19.02 MHz                            |                          |   |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5490 (FL) - 5510 (FH)) : 20 MHz |                          |   |   |   |   |   |   |   |   |    |                    |
| Test Result : Pass                                   |                          |   |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                                | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                                      | 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 | N | Y | Y | Y | Y  | 90                 |
| 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 | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 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                        | N | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 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 | N | Y  | 90                 |
| 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 | N | Y | Y | Y | Y  | 90                 |
| 5508                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5509                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510                                                 | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

| Detection Bandwidth Test - 802.11ax (HE40)    |                          |           |   |   |   |   |   |   |   |    |                    |  |
|-----------------------------------------------|--------------------------|-----------|---|---|---|---|---|---|---|----|--------------------|--|
| Radar Type                                    |                          | 0         |   |   |   |   |   |   |   |    |                    |  |
| Frequency                                     |                          | 5510 MHz  |   |   |   |   |   |   |   |    |                    |  |
| 99% Bandwidth                                 |                          | 37.64 MHz |   |   |   |   |   |   |   |    |                    |  |
| Detection bandwidth (5491 (FL) - 5529 (FH)) : |                          | 38 MHz    |   |   |   |   |   |   |   |    |                    |  |
| Test Result:                                  |                          | Pass      |   |   |   |   |   |   |   |    |                    |  |
| Radar Frequency (MHz)                         | Trial Number / Detection |           |   |   |   |   |   |   |   |    | Detection Rate (%) |  |
|                                               | 1                        | 2         | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |  |
| 5491                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 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         | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |  |
| 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 | N | Y | Y | Y | Y  | 90                 |  |
| 5498                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5499                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |  |
| 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 | N | Y | Y | Y | Y | Y  | 90                 |  |
| 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 | N  | 90                 |  |
| 5510                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5511                                          | Y                        | Y         | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |  |
| 5512                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5513                                          | Y                        | Y         | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |  |
| 5514                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5515                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5516                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5517                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | N | Y  | 90                 |  |
| 5518                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5519                                          | Y                        | Y         | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |  |
| 5520                                          | Y                        | Y         | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |  |
| 5521                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5522                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5523                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5524                                          | 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 | N | Y | Y | Y | Y | Y  | 90                 |  |
| 5528                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |
| 5529                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |  |

| Detection Bandwidth Test - 802.11ax (HE80)    |                          |           |   |   |   |   |   |   |   |    |                    |
|-----------------------------------------------|--------------------------|-----------|---|---|---|---|---|---|---|----|--------------------|
| Radar Type                                    |                          | 0         |   |   |   |   |   |   |   |    |                    |
| Frequency                                     |                          | 5530 MHz  |   |   |   |   |   |   |   |    |                    |
| 99% Bandwidth                                 |                          | 76.88 MHz |   |   |   |   |   |   |   |    |                    |
| Detection bandwidth (5491 (FL) - 5569 (FH)) : |                          | 78 MHz    |   |   |   |   |   |   |   |    |                    |
| Test Result:                                  |                          | Pass      |   |   |   |   |   |   |   |    |                    |
| Radar Frequency (MHz)                         | Trial Number / Detection |           |   |   |   |   |   |   |   |    | Detection Rate (%) |
|                                               | 1                        | 2         | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5491                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5492                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5493                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 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                        | N         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5497                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5498                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | N | Y  | 90                 |
| 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 | N | Y | Y | Y | Y  | 90                 |
| 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                                          | N                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5509                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5511                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5512                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5513                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5514                                          | Y                        | Y         | Y | Y | N | Y | Y | Y | Y | Y  | 90                 |
| 5515                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5516                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5517                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5518                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5519                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5520                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5521                                          | N                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5522                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5523                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5524                                          | 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 | N | Y  | 90                 |
| 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                |
| 5530                                          | Y                        | Y         | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5531                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5532                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5533                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5534                                          | Y                        | Y         | N | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5535                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5536                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5537                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5538                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5539                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5540                                          | Y                        | N         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5541                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5542                                          | N                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5543                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5544                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5545                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5546                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5547                                          | Y                        | Y         | Y | N | Y | Y | Y | Y | Y | Y  | 90                 |
| 5548                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5549                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5550                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5551                                          | Y                        | Y         | Y | Y | Y | Y | Y | N | Y | Y  | 90                 |
| 5552                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5553                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5554                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5555                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5556                                          | Y                        | Y         | Y | Y | Y | N | Y | Y | Y | Y  | 90                 |
| 5557                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5558                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5559                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5560                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5561                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5562                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5563                                          | Y                        | N         | Y | Y | Y | Y | Y | Y | Y | Y  | 90                 |
| 5564                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5565                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5566                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5567                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5568                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | N | Y  | 90                 |
| 5569                                          | Y                        | Y         | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

## 10.2 Radar Detection Performance Check

### Procedure:

The steps below define the procedure to determine the minimum percentage of successful detection requirements found in Tables 5-7 when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

- a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- b) In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- d) At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6 in Tables 5-7, at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
- e) Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.
- f) 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.
- g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

Please refer to the following tables and plots.

**Access Point:****Band 2****802.11ax (HE20)**

## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\} \right\rceil$ | 30                       | 83.3                                   |
|                            |                    | 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                                                                                                                           | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                                            | 30                       | 90                                     |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                                           | 30                       | 80                                     |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                                 | 120                      | 88.33                                  |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | N                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | N                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | N                |
|            | 12     | N                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | N                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 83.3  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | N                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | N                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | N                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 90  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | N                | 23     | Y                |
|            | 9      | Y                | 24     | N                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | N                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | N                | 29     | N                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 80  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 88.33  
Limit: 80  
Result: Pass

Type 5

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

Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 93.3                                   |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | N                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | N                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 93.3  
Limit: 70  
Result: Pass

**802.11ax (HE40)**

## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left( \frac{1}{360} \cdot \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\rceil$ | 30                       | 86.7                                   |
|                            |                    | 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                                                                                                          | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                           | 30                       | 90                                     |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                          | 30                       | 96.7                                   |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                      | 93.35                                  |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | N                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | N                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | N                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | N                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 86.7  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | N                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | N                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | N                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 90  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | N                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 96.7  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 93.35  
Limit: 80  
Result: Pass

## Type 5

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                       | 96.7                                   |

## Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 100                                    |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | N                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 96.7  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 70  
Result: Pass

**802.11ax (HE80)**

## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\} \right\rceil$ | 30                       | 83.3                                   |
|                            |                    | 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                                                                                                                                          | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                                                           | 30                       | 86.7                                   |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                                                          | 30                       | 93.3                                   |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                                                | 120                      | 90.825                                 |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | N                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | N                | 28     | Y                |
|            | 14     | Y                | 29     | N                |
|            | 15     | N                | 30     | N                |

Detection Rate: 83.3  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | Y                | 16     | Y                |
|            | 2      | N                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | N                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | N                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | N                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 86.7  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | N                | 19     | Y                |
|            | 5      | N                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 93.3  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 90.825  
Limit: 80  
Result: Pass

## Type 5

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

## Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 80                                     |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | N                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | N                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | N                |
|            | 8      | N                | 23     | N                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 80  
Limit: 70  
Result: Pass

**Band 3****802.11ax HE20**

## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                              | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\rceil$ | 30                       | 73.3                                   |
|                            |                    | 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                                                                                                                         | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                                          | 30                       | 90                                     |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                                         | 30                       | 90                                     |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                               | 120                      | 88.33                                  |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | N                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | N                | 20     | Y                |
|            | 6      | Y                | 21     | N                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | N                |
|            | 11     | Y                | 26     | N                |
|            | 12     | Y                | 27     | N                |
|            | 13     | N                | 28     | N                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 73.3  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | N                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | N                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | N                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 90  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | N                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | N                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 90  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 88.33  
Limit: 80  
Result: Pass

## Type 5

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                       | 96.7                                   |

## Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 76.7                                   |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | N                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 96.7  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | N                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | N                | 22     | Y                |
|            | 8      | N                | 23     | Y                |
|            | 9      | Y                | 24     | N                |
|            | 10     | N                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | N                | 30     | Y                |

Detection Rate: 76.7  
Limit: 70  
Result: Pass

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## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                              | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\rceil$ | 30                       | 100                                    |
|                            |                    | 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                                                                                                                         | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                                          | 30                       | 100                                    |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                                         | 30                       | 100                                    |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                               | 120                      | 100                                    |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 100  
Limit: 80  
Result: Pass

## Type 5

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                       | 90                                     |

## Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 100                                    |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | N                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | N                | 30     | N                |

Detection Rate: 90  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 70  
Result: Pass

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## Short Pulse Radar Test Waveforms

## Type 1-4

| Radar Type                 | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                              | Number of Trials (Times) | Percentage of Successful Detection (%) |
|----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\left\lceil \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\rceil$ | 30                       | 100                                    |
|                            |                    | 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                                                                                                                         | 30                       | 100                                    |
| 3                          | 6-10               | 200-500                                                                                                                                                       | 6-10                                                                                                                          | 30                       | 100                                    |
| 4                          | 11-20              | 200-500                                                                                                                                                       | 11-20                                                                                                                         | 30                       | 100                                    |
| Aggregate (Radar Type 1-4) |                    |                                                                                                                                                               |                                                                                                                               | 120                      | 100                                    |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 2          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 3          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 4          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 60  
Result: Pass

Aggregate (Radar Types 1-4): 100  
Limit: 80  
Result: Pass

Type 5

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

Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 100                                    |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 5          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 80  
Result: Pass

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | Y                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | Y                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | Y                |

Detection Rate: 100  
Limit: 70  
Result: Pass

**Bridge Mode:****Band 2****802.11ax (HE80)**

## Short Pulse Radar Test Waveforms

## Type 6

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hopp | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|-----------------|--------------------|--------------------------------|--------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9               | 0.333              | 300                            | 30                       | 76.7                                   |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 6          | 1      | N                | 16     | N                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | Y                | 18     | Y                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | Y                |
|            | 6      | Y                | 21     | N                |
|            | 7      | Y                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | N                | 24     | Y                |
|            | 10     | N                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | Y                | 30     | N                |

Detection Rate: 76.7  
Limit: 70  
Result: Pass

**Band 3****802.11ax (HE20)**

## Short Pulse Radar Test Waveforms

## Type 1

| Radar Type | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                     | Number of Trials (Times) | Percentage of Successful Detection (%) |
|------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1          | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 76.7                                   |
|            |                    | 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 |                                                                                                                                      |                          |                                        |

| Radar Type | Trial# | Detection Yes/No | Trial# | Detection Yes/No |
|------------|--------|------------------|--------|------------------|
| 1          | 1      | Y                | 16     | Y                |
|            | 2      | Y                | 17     | Y                |
|            | 3      | N                | 18     | N                |
|            | 4      | Y                | 19     | Y                |
|            | 5      | Y                | 20     | N                |
|            | 6      | Y                | 21     | Y                |
|            | 7      | N                | 22     | Y                |
|            | 8      | Y                | 23     | Y                |
|            | 9      | Y                | 24     | N                |
|            | 10     | Y                | 25     | Y                |
|            | 11     | Y                | 26     | Y                |
|            | 12     | Y                | 27     | N                |
|            | 13     | Y                | 28     | Y                |
|            | 14     | Y                | 29     | Y                |
|            | 15     | N                | 30     | Y                |

Detection Rate: 76.7  
Limit: 60  
Result: Pass

The Radar Statistical Performance Please refer to the Appendix.

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