

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
**Report No.:** RFBEDV-WTW-P25100019-4  
**FCC ID:** M72-EDV250  
**Product:** Poly Edge V250  
**Brand:** HP  
**Model No.:** PVAN-EDGE-V250  
**Received Date:** 2025/9/26  
**Test Date:** 2025/10/27 ~ 2025/11/3  
**Issued Date:** 2025/12/17  
**Applicant:** HP Inc.  
**Address:** 1501 Page Mill Road, Palo Alto, CA 94304, USA  
**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories  
**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan  
**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan  
**FCC Registration /** 788550 / TW0003  
**Designation Number:**

Approved by: \_\_\_\_\_

Jeremy Lin

Jeremy Lin / Project Engineer

, Date: \_\_\_\_\_

2025/12/17

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Prepared by : Polly Chien / Specialist



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## Release Control Record

| Issue No.              | Description       | Date Issued |
|------------------------|-------------------|-------------|
| RFBEDV-WTW-P25100019-4 | Original release. | 2025/12/17  |

## 1 Certificate

**Product:** Poly Edge V250

**Brand:** HP

**Test Model:** PVAN-EDGE-V250

**Sample Status:** Engineering sample

**Applicant:** HP Inc.

**Test Date:** 2025/10/27 ~ 2025/11/3

**Standard:** 47 CFR FCC Part 15, Subpart E (Section 15.407)

**Measurement procedure:** KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02  
KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

## 2 Summary of Test Results

| 47 CFR FCC Part 15, Subpart E (Section 15.407) |                                                    |        |                |
|------------------------------------------------|----------------------------------------------------|--------|----------------|
| Clause                                         | Test Item                                          | Result | Remark         |
| 15.407(h)                                      | U-NII Detection Bandwidth                          | N/A    | Not Applicable |
| 15.407(h)                                      | Channel Availability Check Time                    | N/A    | Not Applicable |
| 15.407(h)                                      | Channel Closing Transmission and Channel Move Time | Pass   | Applicable     |
| 15.407(h)                                      | Non-Occupancy Period                               | Pass   | Applicable     |
| 15.407(h)                                      | Statistical Performance Check                      | N/A    | Not Applicable |
| 15.407(h)                                      | Non-Associated Test                                | Pass   | Applicable     |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 2.1 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                               |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| Product                       | Poly Edge V250                                                                         |
| Brand                         | HP                                                                                     |
| Test Model                    | PVAN-EDGE-V250                                                                         |
| DFS Firmware/software version | 18.15 RC1.49<br>wl0: Sep 24 2024 15:11:55 version 28.10.365 (8f11c49) FWID 01-498b76b7 |
| Operational Mode              | Client without radar detection (with TPC function)                                     |
| Operating Frequency Band      | 5.25 GHz ~ 5.35 GHz<br>5.47 GHz ~ 5.725 GHz                                            |
| Communication Mode            | IP based                                                                               |
| Channel Puncturing Function   | Not Support                                                                            |

Note:

1. The EUT uses following accessories.

| Item        | Brand    | Model   | Specification |
|-------------|----------|---------|---------------|
| RJ-45 Cable | EXCELTEK | PO02008 | 1.5m          |
| Coil Cable  | EXCELTEK | PE0003  | 570mm         |

2. The EUT uses following support units.

| Item            | Brand      | Model                              | Specification                                                                                                                                                                          |
|-----------------|------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| USB Adapter     | HP         | TPN-DA20                           | AC Input power: 100-240Vac, 50-60Hz, 1.7A<br>DC Output power: 5.0Vdc, 3.0A or 9.0Vdc, 3.0A or 12.0Vdc, 5.0A or 15.0Vdc, 4.33A or 20.0Vdc, 3.25A<br>DC Output Cable: 1.73m without core |
| Adapter         | Mass Power | S018-1A050300VU                    | AC Input power: 100-240Vac, 50/60Hz, 0.6A<br>DC Output power: 5Vdc, 3A<br>DC Output Cable: 1.5m non-shielded cable without core                                                        |
| PoE Injector    | CERIO      | POE-S48G2                          | 48Vdc                                                                                                                                                                                  |
| Adapter for POE | L.T.E      | LTE36ES-S5-1                       | AC Input power: 100-240Vac, 50/60Hz, 0.75A<br>DC Output power: 48Vdc, 0.75A<br>DC Output Cable: 1.85m non-shielded cable without core                                                  |
| Console Board   | PEGATRON   | REVLON_CONSOLE_BOARD<br>Rev : 1.00 | -                                                                                                                                                                                      |
| Console Cable   | XINYA      | H2530-04SVB-060/030                | 0.2M                                                                                                                                                                                   |

3. There are Bluetooth and WLAN (2.4 GHz & 5 GHz) technology used for the EUT.

4. Simultaneously transmission combination.

| Combination | Technology     |           |
|-------------|----------------|-----------|
| 1           | WLAN (2.4 GHz) | Bluetooth |
| 2           | WLAN (5 GHz)   | Bluetooth |

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

5. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

| Antenna NO. | RF Chain NO. | Brand    | Model | Antenna Net Gain(dBi) | Frequency range      | Antenna Type | Connector Type |
|-------------|--------------|----------|-------|-----------------------|----------------------|--------------|----------------|
| 1           | 0            | PEGATRON | NA    | 2.91                  | 2.4 GHz ~ 2.4835 GHz | PCB          | ipex(MHF)      |
|             |              |          |       | 2.49                  | 5.15 GHz ~ 5.25 GHz  | PCB          | ipex(MHF)      |
|             |              |          |       | 2.85                  | 5.25 GHz ~ 5.35 GHz  | PCB          | ipex(MHF)      |
|             |              |          |       | 2.90                  | 5.47 GHz ~ 5.725 GHz | PCB          | ipex(MHF)      |
|             |              |          |       | 2.56                  | 5.725 GHz ~ 5.85 GHz | PCB          | ipex(MHF)      |

\*Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.

2. The EUT incorporates a SISO function:

| 5 GHz Band       |                       |     |
|------------------|-----------------------|-----|
| Modulation Mode  | TX & RX Configuration |     |
| 802.11a          | 1TX                   | 1RX |
| 802.11n (HT20)   | 1TX                   | 1RX |
| 802.11ac (VHT20) | 1TX                   | 1RX |
| 802.11ax (HE20)  | 1TX                   | 1RX |

### 3.3 EUT Power Level

| Highest Power Level |                      |                 |       |            |         |       |
|---------------------|----------------------|-----------------|-------|------------|---------|-------|
| Signal Mode         | Frequency Band (MHz) | Conducted Power |       | Gain (dBi) | EIRP    |       |
|                     |                      | (mW)            | (dBm) |            | (mW)    | (dBm) |
| CDD                 | 5250-5350            | 74.989          | 18.75 | 2.85       | 144.543 | 21.6  |
|                     | 5470-5725            | 133.045         | 21.24 | 2.90       | 259.417 | 24.14 |

## 4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

### 4.1 Channel Closing Transmission and Channel Move Time

| Description<br>Manufacturer             | Model No.                         | Serial No. | Calibrated<br>Date | Calibrated<br>Until |
|-----------------------------------------|-----------------------------------|------------|--------------------|---------------------|
| EMI Test Receiver<br>R&S                | ESR7                              | 101451     | 2025/3/31          | 2026/3/30           |
| MXG Vector signal generator<br>Keysight | N5182B                            | MY53052282 | 2025/1/6           | 2026/1/5            |
| Software<br>BV                          | BVDFS_Auto-<br>ISM_Workbench_V2A2 | N/A        | N/A                | N/A                 |

Notes:

1. The test was performed in DFS room.
2. Tested Date: 2025/10/27 ~ 2025/11/3

### 4.2 Non-Occupancy Period

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.3 Non-Associated Test

Refer to section 4.1 to get the tested date and information of the instruments.

## 5 Limits of Test Items

### 5.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 1 and 2 for the applicability of DFS requirements for each of the operational modes.

Table 1: Applicability of DFS Requirements Prior To Use a Channel

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client without radar detection | Client with radar detection |
| Non-Occupancy Period            | ✓                | ✓ note                         | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 section (b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 2: Applicability of DFS Requirements during Normal Operation.

| Requirement                       | Operational Mode                      |                                |
|-----------------------------------|---------------------------------------|--------------------------------|
|                                   | Master or Client with radar detection | Client without radar detection |
| DFS Detection Threshold           | ✓                                     | Not required                   |
| Channel Closing Transmission Time | ✓                                     | ✓                              |
| Channel Move Time                 | ✓                                     | ✓                              |
| U-NII Detection Bandwidth         | ✓                                     | Not required                   |

| Additional requirements for devices with multiple bandwidth modes | Master or Client with radar detection | Client without radar detection                       |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

### 5.2 Test Limits and Radar Signal Parameters

#### Detection Threshold Values

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 ≥ 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                          |

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

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

Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 4: DFS Response Requirement Values

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

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

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

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

## Parameters of DFS Test Waveforms

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5: Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                           | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                                         | Number of Pulses                                                                                                                   | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                    | 1                  | 1428                                                                                                                                                                                                                                                                               | 18                                                                                                                                 | See Note 1                                 | See Note 1               |
| 1                                                                                                                                    | 1                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>-----</p> <p>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</p> | $\text{Roundup} \left( \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right)$ | 60%                                        | 30                       |
| 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                      |
| Note 1: 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                       |
| <p>Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.</p> <p>a) the Channel center frequency<br/>           b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth<br/>           c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth</p> <p>It include 10 trails for every subset, the formula as below,</p> <p>For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.</p> <p>For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:</p> $FL + (0.4 * \text{Chirp Width [in MHz]})$ <p>For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:</p> $FH - (0.4 * \text{Chirp Width [in MHz]})$ |                    |                   |            |                            |                  |                                            |                          |

Table 7: Frequency Hopping Radar Test Waveform

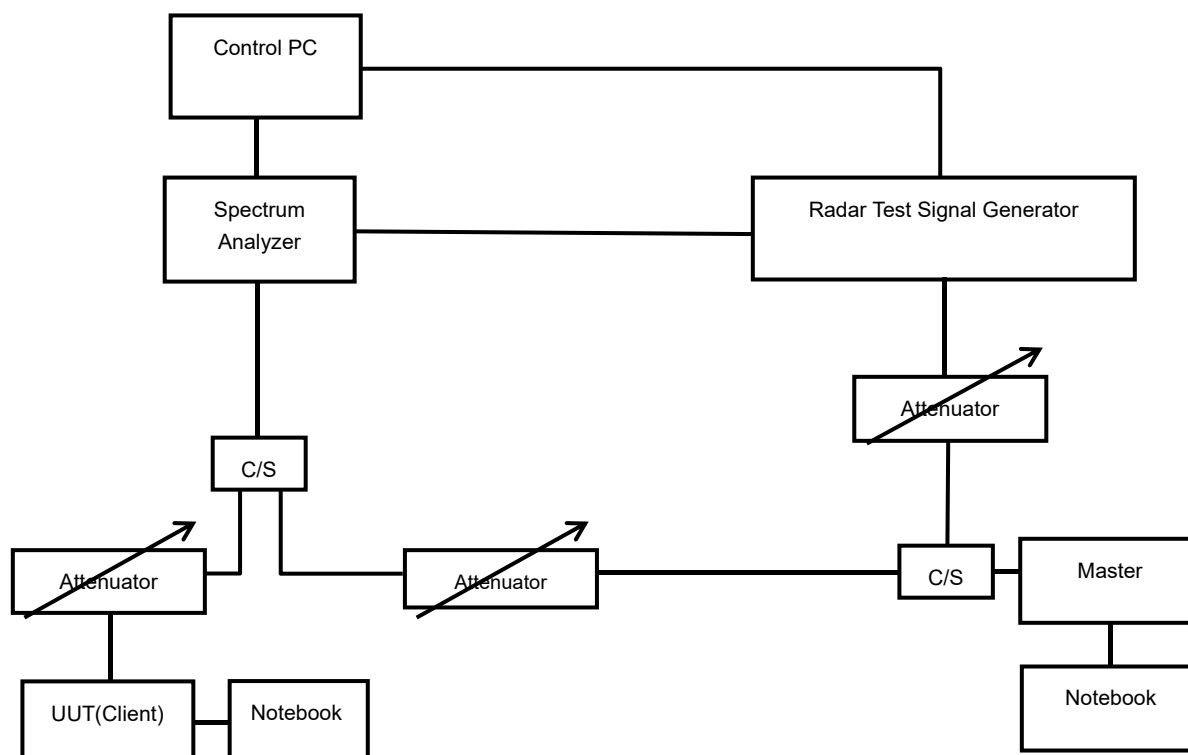
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------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

## 6 Test Arrangements

### 6.1 Test Setup

#### Conducted measurement

##### Client Mode



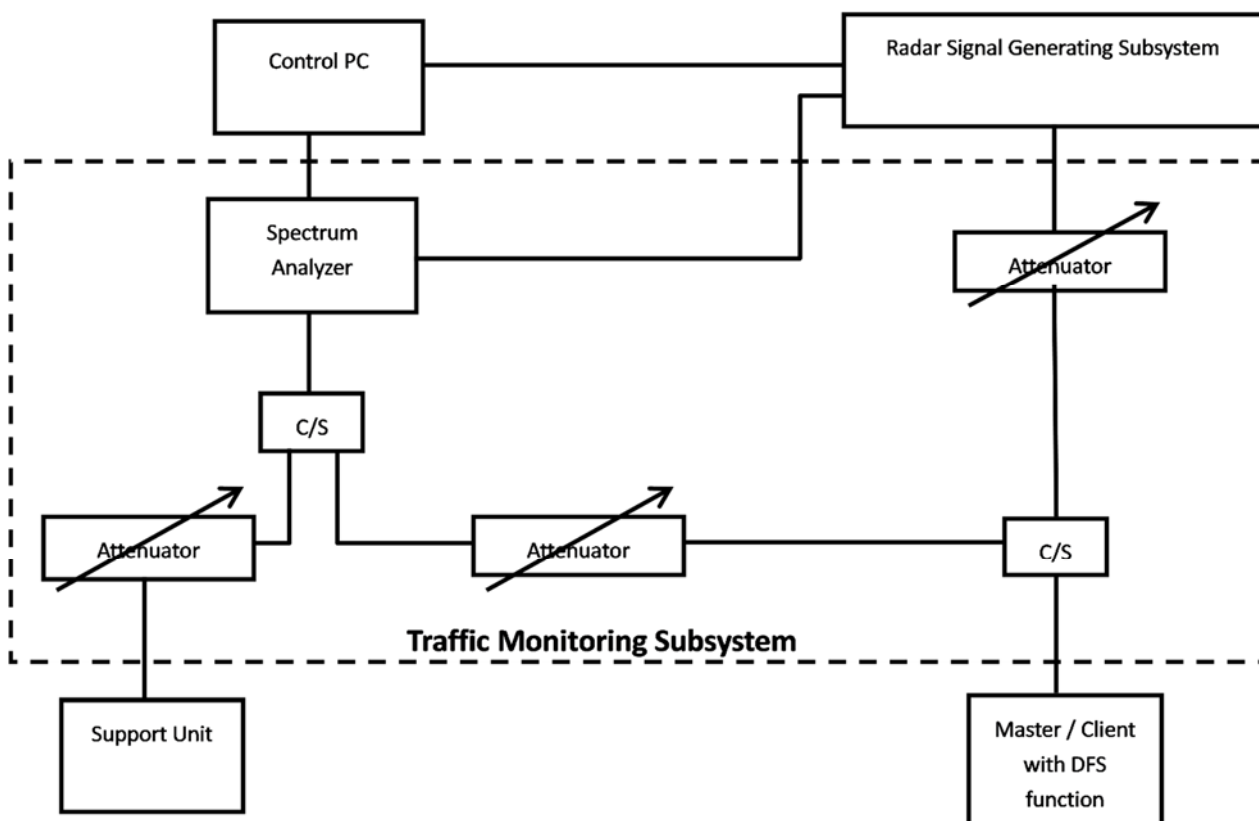
The UUT is a RLAN device operating in Client mode, without Radar Interference Detection function. The radar test signals are injected into the master device.

## 6.2 Test Procedure

### 6.2.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating system and (2) the Traffic Monitoring system. The control PC is necessary for generating the Radar waveforms in Table 5, 6 and 7. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

#### Conducted Setup Configuration of DFS Measurement System

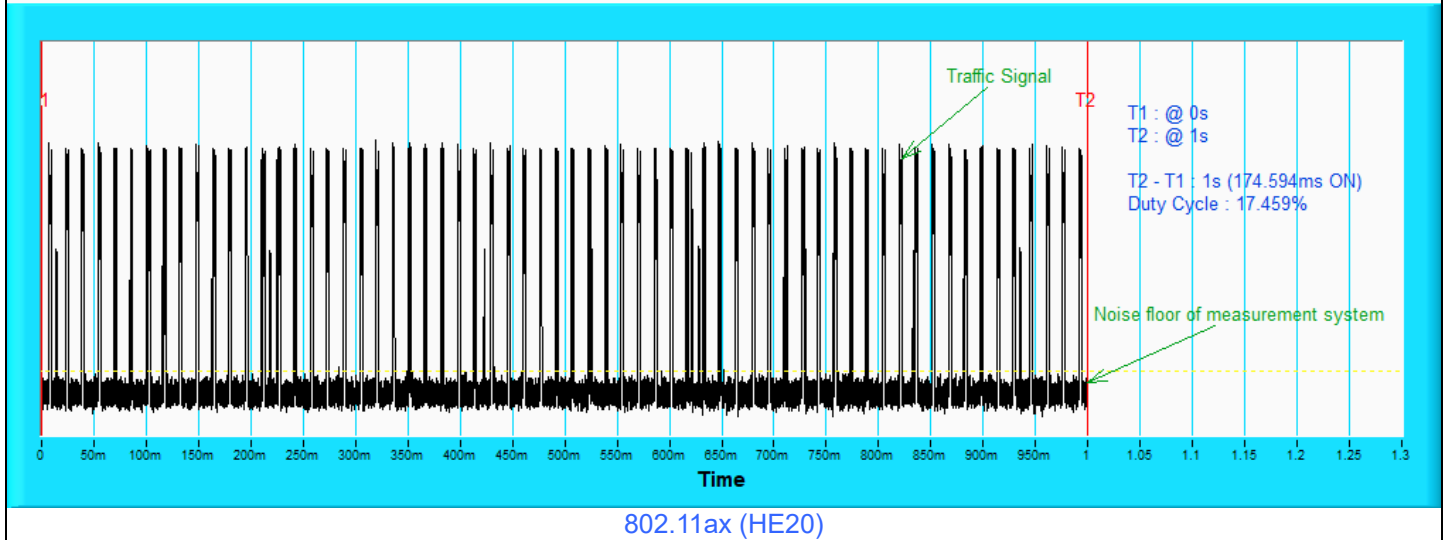


### Channel Loading

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

| Applicable | Requirements apply                                                                                                                                                         |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |
|            | b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |
| √          | c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    |
|            | d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |

## Plots of Channel Loading

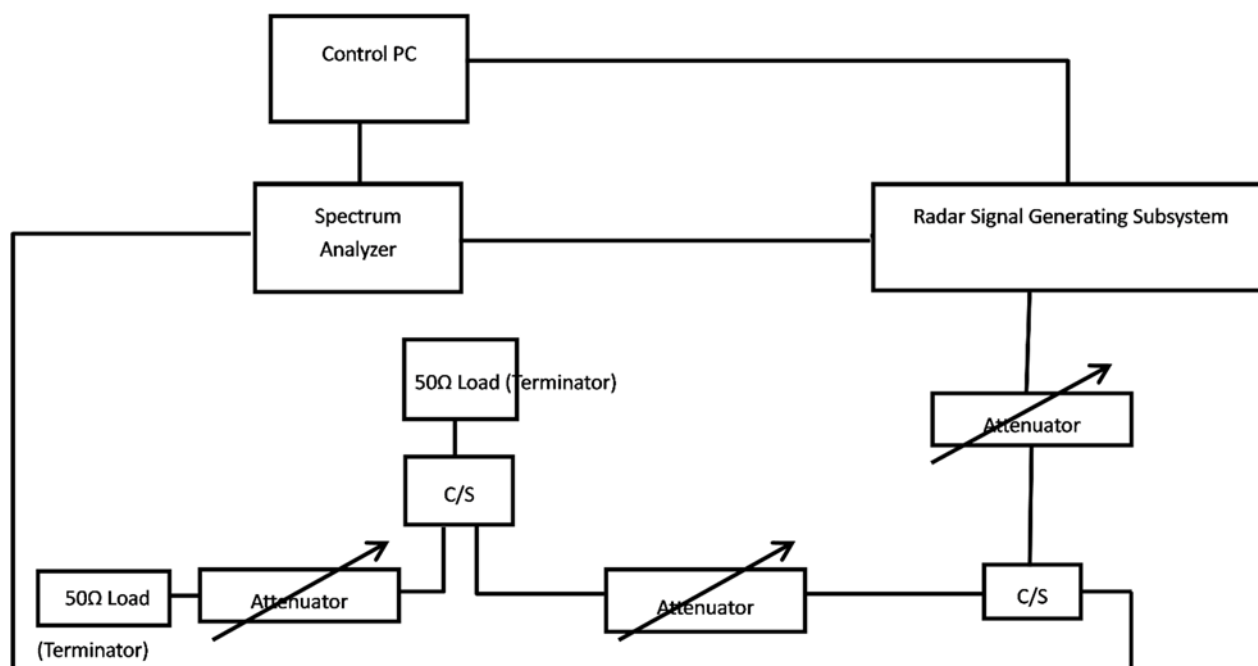
**Duty Cycle**

### 6.2.2 Calibration of DFS Detection Threshold Level

The measured channel is chosen from the operating channels of the UUT within the DFS band and using the all bandwidth mode available for the link. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time.

#### Conducted Setup Configuration of Calibration of DFS Detection Threshold Level

The calibrated conducted detection threshold level is set to -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



### 6.2.3 DFS Detection Threshold

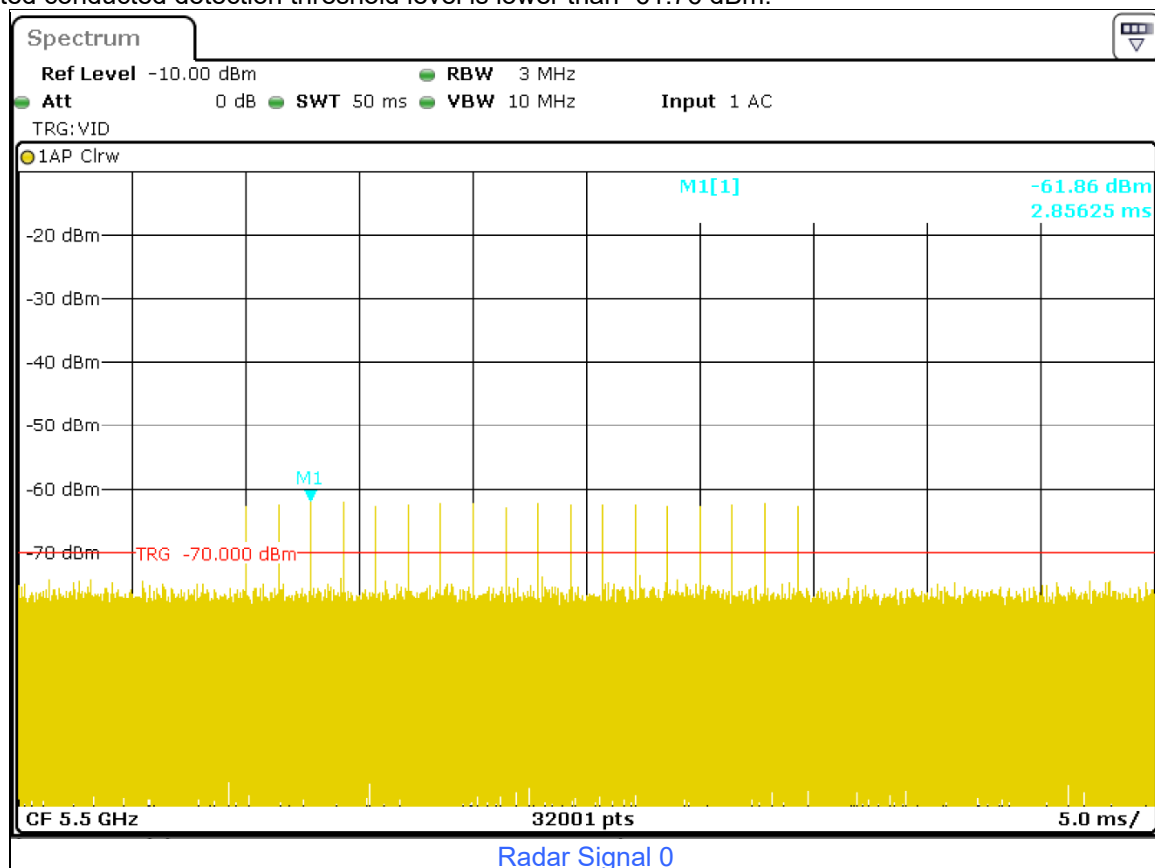
Test Mode: Device Operating in Client without radar detection Mode

Client with injection at the Master. (The radar test waveforms are injected into the Master Device)

The antenna net gain is 2.24 dBi.

DFS Detection Threshold =  $-64 \text{ dBm} + 2.24 \text{ dBi} = -61.76 \text{ dBm}$

The calibrated conducted detection threshold level is lower than  $-61.76 \text{ dBm}$ .



#### 6.2.4 DFS Companion Device

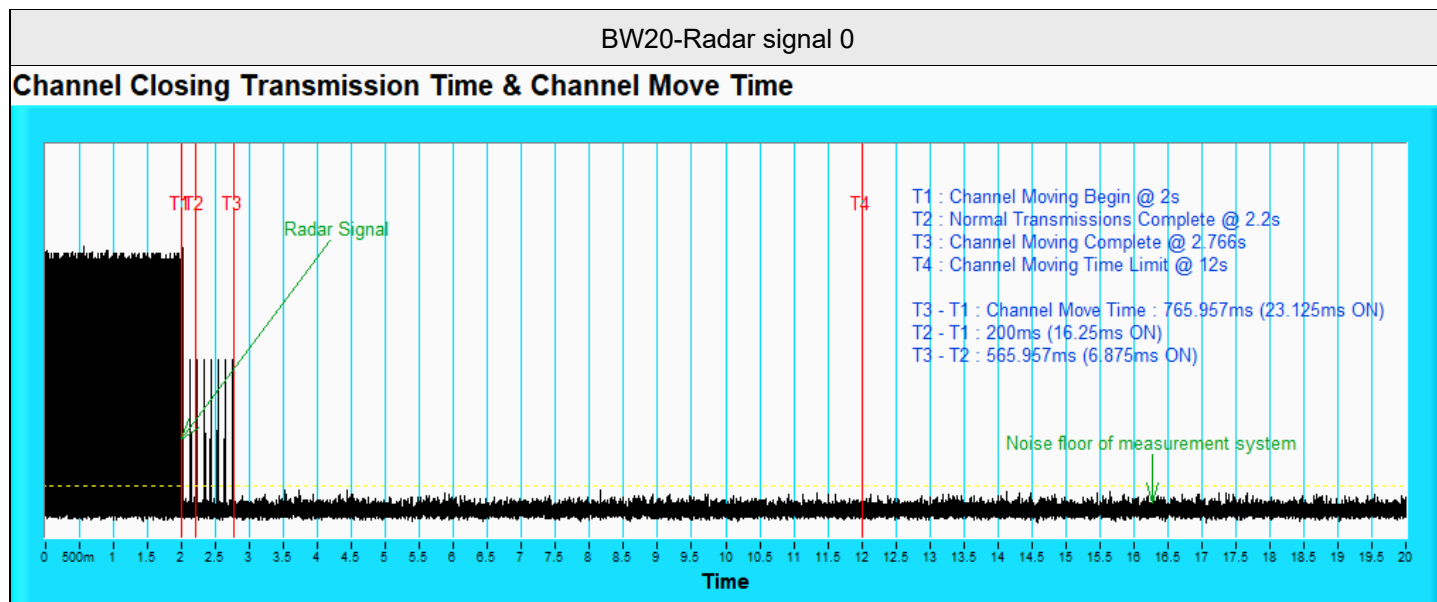
| Companion Device Information |       |           |              |                                                      |                           |
|------------------------------|-------|-----------|--------------|------------------------------------------------------|---------------------------|
| Product                      | Brand | Model No. | FCC ID       | Specification                                        | Software/Firmware Version |
| 802.11ax wireless Router     | ASUS  | RT-AX88U  | MSQ-RTAXHP00 | 5G Ant Min gain : 2.24dBi<br>Maximum EIRP : 26.30dBm | 3.0.0.4.384_gd8d34a4      |

Note: This device was functioned as a Master device during the DFS test.

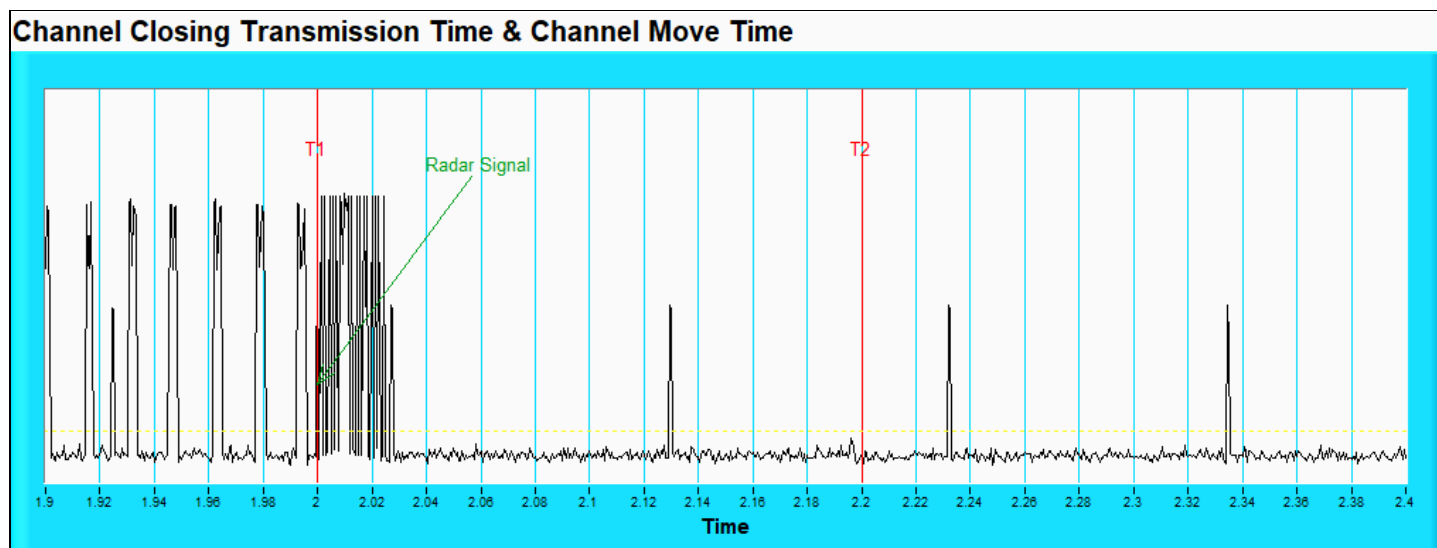
## 7 Test Results of Test Item

### 7.1 Channel Closing Transmission and Channel Move Time

|                           |              |            |           |
|---------------------------|--------------|------------|-----------|
| Environmental Conditions: | 25°C, 60% RH | Tested By: | Stan Shih |
|---------------------------|--------------|------------|-----------|



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200 ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.



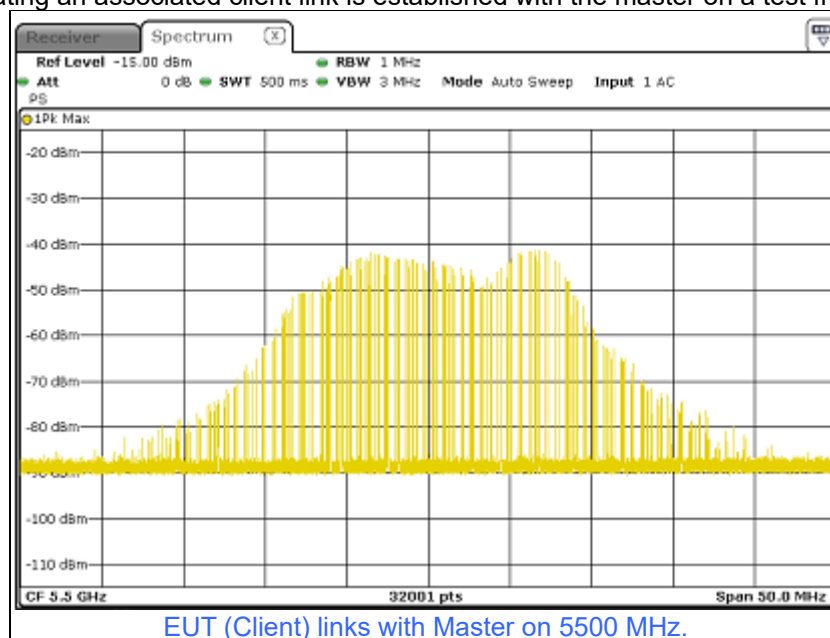
Note: Zoom in of the first 500 ms after radar signal applied.

## 7.2 Non-Occupancy Period

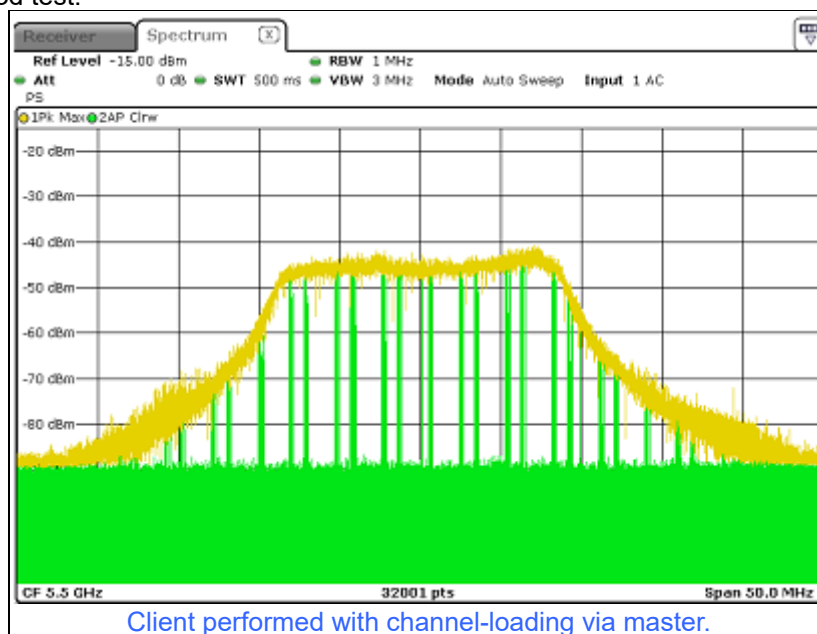
|                           |              |            |           |
|---------------------------|--------------|------------|-----------|
| Environmental Conditions: | 25°C, 60% RH | Tested By: | Stan Shih |
|---------------------------|--------------|------------|-----------|

### For Associated Test

1) Test results demonstrating an associated client link is established with the master on a test frequency.



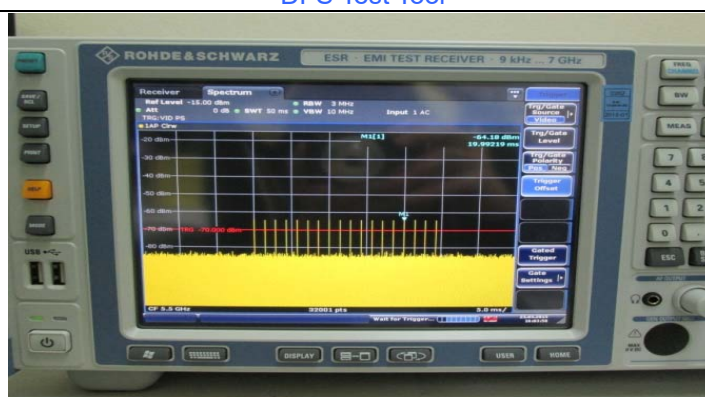
2) The client and DFS-certified master device are associated, and system testing will be performed with channel-loading for a non-occupancy period test.



3). The device transmits one type of radar as specified in the DFS Order.

|          | Trial Id | Radar Type | Pulse Width (us) | PRI (us) | Number of Pulses | Waveform Length (us) |
|----------|----------|------------|------------------|----------|------------------|----------------------|
| Download | 0        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 1        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 2        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 3        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 4        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 5        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 6        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 7        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 8        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 9        | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 10       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 11       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 12       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 13       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 14       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 15       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |
| Download | 16       | Type 0     | 1.0              | 1428.0   | 18               | 25704.0              |

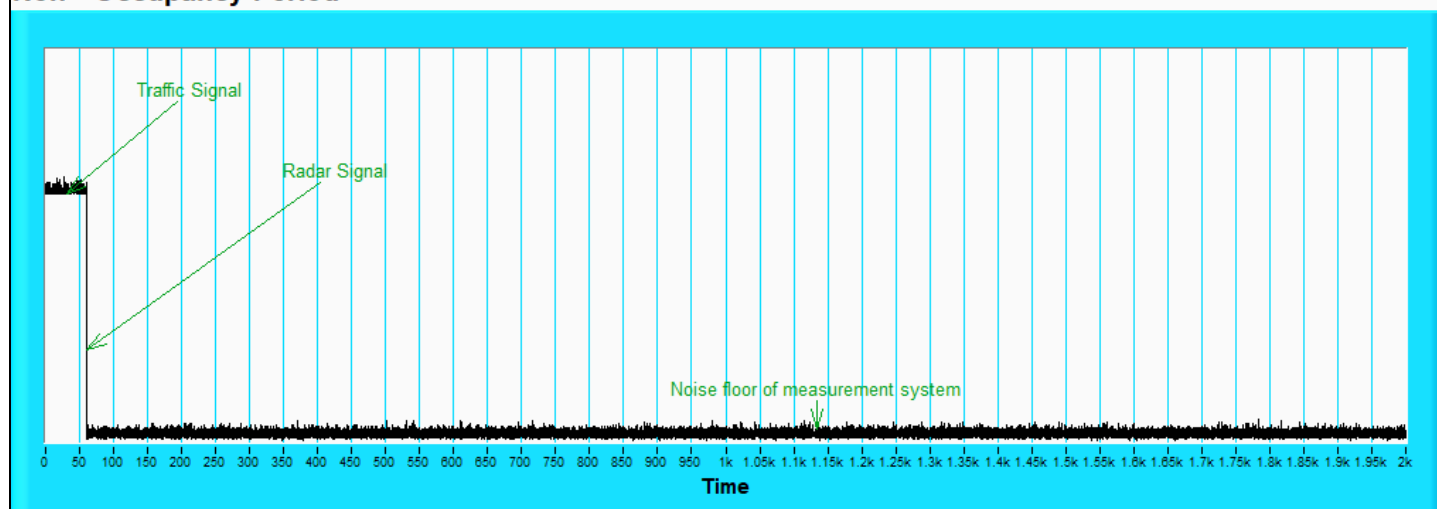
DFS Test Tool



Radar 0 is used to test during DFS test

- 4) The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;  
 Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear;  
 5) An analyzer plot that contains a single 30-minute sweep on the original test frequency.

#### Non - Occupancy Period



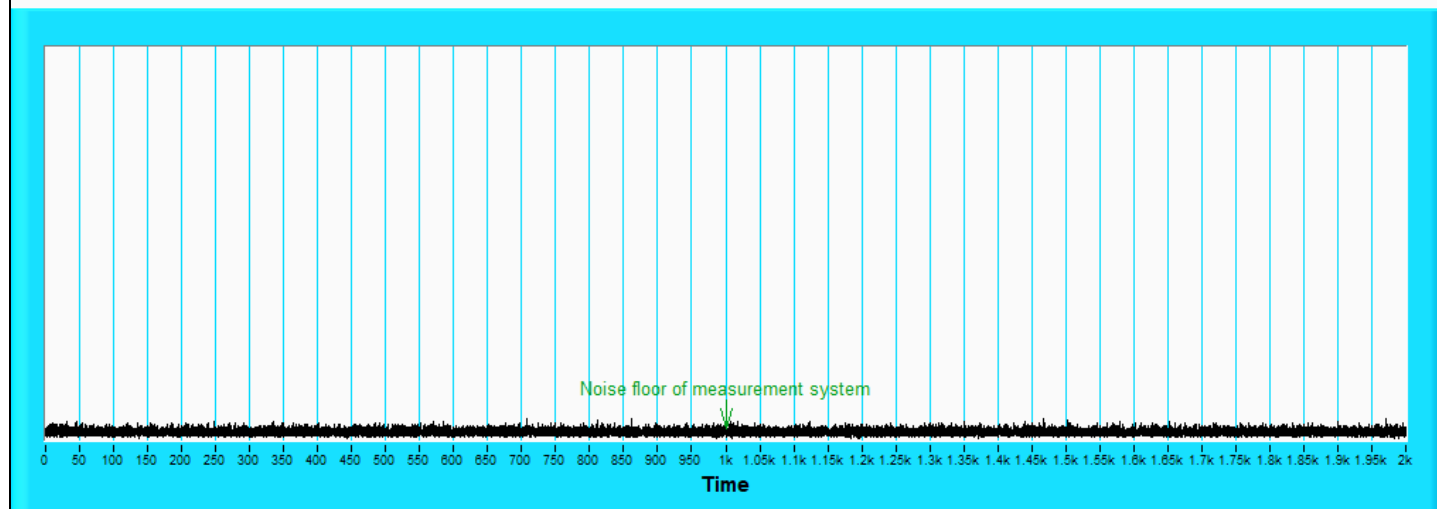
### 7.3 Non-Associated Test

|                           |              |            |           |
|---------------------------|--------------|------------|-----------|
| Environmental Conditions: | 25°C, 60% RH | Tested By: | Stan Shih |
|---------------------------|--------------|------------|-----------|

Master was off.

During the 30 minutes observation time, The EUT did not make any transmissions in the DFS band after EUT power-up.

#### Non - Associated



## 8 Declaration of Conformity by the Manufacturer

### 8.1 Transmit Power Control (TPC)

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

The maximum EIRP of this device is 259.417 mW, and it has TPC functionality.

The UUT can adjust a transmitter's output power according to the device's Transmit Power Control (TPC) triggering mechanism. The TPC is controlled by the operation mode declared by the manufacturer.

### 8.2 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. And the device doesn't have ad-hoc mode on DFS frequency band.

## 9 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

## 10 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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**Web Site:** <http://ee.bureauveritas.com.tw>

The address and road map of all our labs can be found in our web site also.

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