

## DFS Test Report

**Report No.:** RF160428C07-7 R1

**FCC ID:** VPYLB1KD

**Model Name:** LBEE6ZZ1KD

**Received Date:** Apr. 28, 2016

**Test Date:** May 20, 2016

**Issued Date:** Jul. 25, 2016

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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### Release Control Record

| Issue No.        | Description          | Date Issued   |
|------------------|----------------------|---------------|
| RF160428C07-7    | Original release.    | May 27, 2016  |
| RF160428C07-7 R1 | Revised product name | Jul. 25, 2016 |

## 1 Certificate of Conformity

**Product:** Communication Module

**Brand:** MURATA

**Model Name:** LBEE6ZZ1KD

**Sample Status:** Engineering sample

**Applicant:** Murata Manufacturing Co., Ltd.

**Test Date:** May 20, 2016

**Standards:** FCC Part 15, Subpart E (Section 15.407)

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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 EMC characteristics under the conditions specified in this report.

**Prepared by :**

  
Pettie Chen / Senior Specialist

**Date:**

Jul. 25, 2016

**Approved by :**

  
Ken Liu / Senior Manager

**Date:**

Jul. 25, 2016

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

TABLE 1: Operating Frequency Bands and Mode of EUT

| Operational Mode                                   | Operating Frequency Range |              |
|----------------------------------------------------|---------------------------|--------------|
|                                                    | 5250~5350MHz              | 5470~5725MHz |
| Client without radar detection and ad hoc function | ✓                         | ✓            |

### 2.2 EUT Hardware, Software and Firmware Version

Table 2: The EUT Hardware/Software/Firmware Version

| Product              | Model No.  | Hardware/Software/Firmware Version |
|----------------------|------------|------------------------------------|
| Communication Module | LBEE6ZZ1KD | Software version: 9.35.48.73       |

### 2.3 Description of Available Antennas to the EUT

Table 3: Antenna List

| ANT No. | Antenna Type | Operation Frequency Range (MHz) | Gain (dBi) |
|---------|--------------|---------------------------------|------------|
| 1       | DIPOLE       | 5250~5350                       | 2.93       |
| 1       | DIPOLE       | 5470~5725                       | 2.93       |

## 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

### 802.11a

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 9.32              | 8.551            |
| 1       | 5470~5725            | 9.62              | 9.162            |

### 802.11n (HT20)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 9.39              | 8.690            |
| 1       | 5470~5725            | 9.82              | 9.594            |

### 802.11n (HT40)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 8.11              | 6.471            |
| 1       | 5470~5725            | 8.13              | 6.501            |

### 802.11ac (VHT80)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 8.32              | 6.792            |
| 1       | 5470~5725            | 8.59              | 7.228            |

### 802.11n (HT20)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 12.14             | 16.381           |
| 1       | 5470~5725            | 12.95             | 19.703           |

### 802.11n (HT40)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 11.94             | 15.646           |
| 1       | 5470~5725            | 12.61             | 18.219           |

### 802.11ac (VHT80)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 9.16              | 8.243            |
| 1       | 5470~5725            | 9.13              | 8.185            |

## 2.5 EUT Maximum E.I.R.P. Power

Table 5: The EIRP Output Power List

### 802.11a

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 12.25             | 16.788           |
| 1       | 5470~5725            | 12.55             | 17.989           |

### 802.11n (HT20)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 12.32             | 17.061           |
| 1       | 5470~5725            | 12.75             | 18.836           |

### 802.11n (HT40)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 11.04             | 12.706           |
| 1       | 5470~5725            | 11.06             | 12.764           |

### 802.11ac (VHT80)\_1TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 11.25             | 13.335           |
| 1       | 5470~5725            | 11.52             | 14.191           |

### 802.11n (HT20)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 15.07             | 32.137           |
| 1       | 5470~5725            | 15.88             | 38.726           |

### 802.11n (HT40)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 14.87             | 30.690           |
| 1       | 5470~5725            | 15.54             | 35.810           |

### 802.11ac (VHT80)\_2TX

| ANT No. | Frequency Band (MHz) | MAX. Power        |                  |
|---------|----------------------|-------------------|------------------|
|         |                      | Output Power(dBm) | Output Power(mW) |
| 1       | 5250~5350            | 12.09             | 16.181           |
| 1       | 5470~5725            | 12.06             | 16.069           |

## 2.6 Transmit Power Control (TPC)

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

Maximum EIRP of this device is 38.726mW which less than 500mW, therefore it's not require TPC function.

## 2.7 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.**

### 3. U-NII DFS Rule Requirements

#### 3.1 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 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: 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: Regarding KDB 905462 D03 Client Without DFS New Rules v01r01 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 7: 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.

### 3.2 Test Limits and Radar Signal Parameters

#### Detection Threshold Values

Table 8: DFS Detection Thresholds For Master Devices And Client Devices With Radar Detection

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

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

Table 9: 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<br>milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission<br>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 Signals

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 10: 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 $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 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                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                                                                                                                               |                                                                                                                |                                            |                          |

**Table 11: 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                       |

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.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

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:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

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:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

**Table 12: 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                       |

#### 4. Test & Support Equipment List

##### 4.1 Test Instruments

Table 13: Test Instruments List

| Description & Manufacturer | Model No. | Brand   | Date Of Calibration | Due Date Of Calibration |
|----------------------------|-----------|---------|---------------------|-------------------------|
| R&S Spectrum analyzer      | ESR       | R&S     | 2016/02/02          | 2017/02/01              |
| Signal generator           | 8645A     | Agilent | 2015/08/05          | 2016/08/04              |

##### 4.2 Description of Support Units

Table 14: Support Unit Information.

| No. | Product | Brand  | Model No. | FCC ID          | Spec.                                            |
|-----|---------|--------|-----------|-----------------|--------------------------------------------------|
| 1   | Router  | D-Link | DIR-868L  | RRK2012060056-1 | 5G Ant gain : 3.428dB<br>Maximum EIRP : 27.64dBm |

**NOTE:** This device was functioned as a ☒ Master ☐ Slave device during the DFS test.

Table 15: Software/Firmware Information.

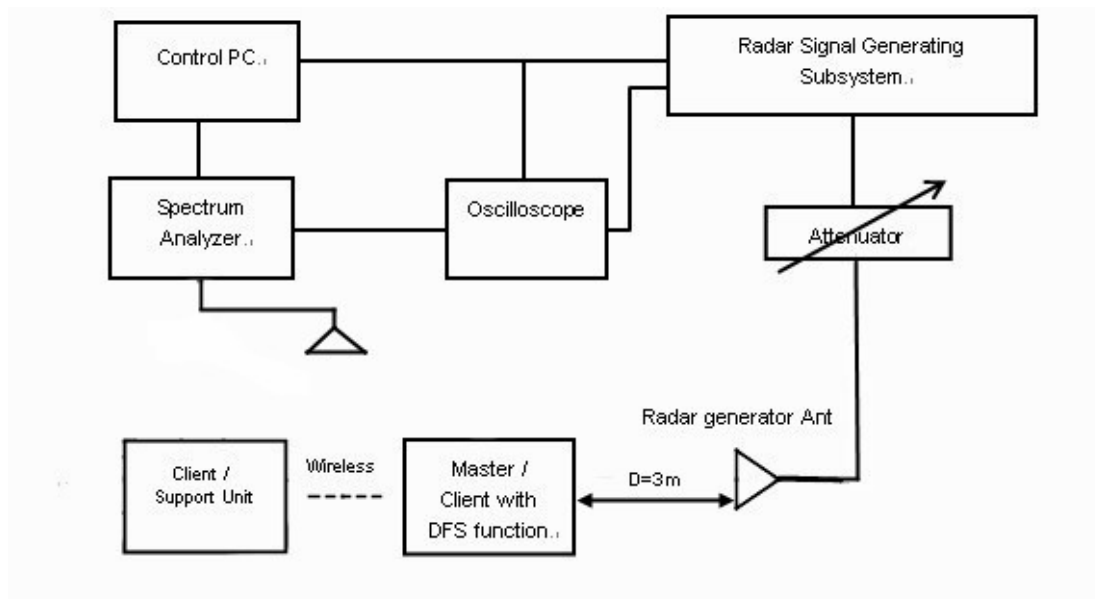
| No. | Product | Model No. | Software/Firmware Version |
|-----|---------|-----------|---------------------------|
| 1   | Router  | DIR-868L  | 1.00                      |

## 5. Test Procedure

### 5.1 ADT DFS Measurement System

A complete ADT DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

#### Radiated Setup Configuration of ADT DFS Measurement System



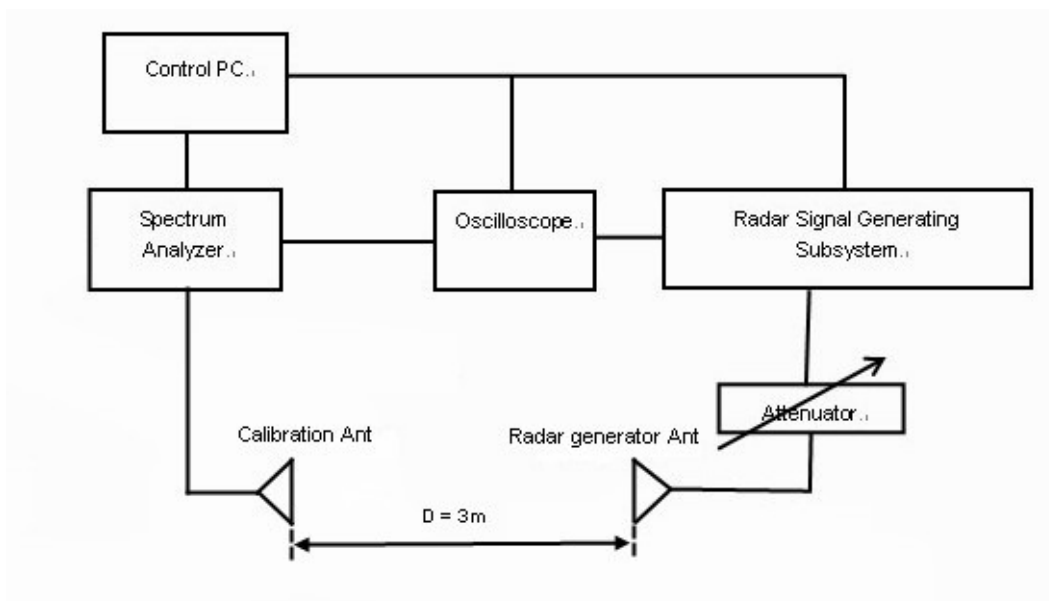
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 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.                                                                 |
| V | 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.                  |

## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500MHz and 5510MHz and 5530MHz. 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. The calibrated conducted detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

### Radiated setup configuration of Calibration of DFS Detection Threshold Level

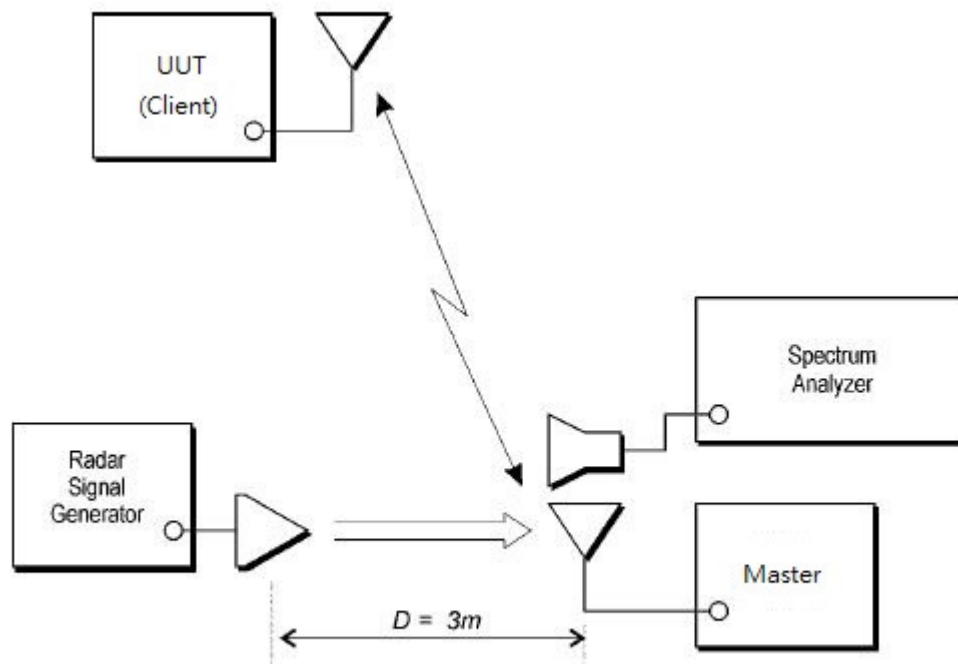


## 5.3 Deviation From Test Standard

No deviation.

## 5.4 Radiated Test Setup Configuration

### 5.4.1 Client without Radar Detection Mode



The UUT is a U-NII Device operating in Client mode without radar detection. The radar test signals are injected into the Master Device.

## 6. Test Results

### 6.1 Summary of Test Results

| Clause | Test Parameter                    | Remarks        | Pass/Fail |
|--------|-----------------------------------|----------------|-----------|
| 15.407 | DFS Detection Threshold           | Not Applicable | NA        |
| 15.407 | Channel Availability Check Time   | Not Applicable | NA        |
| 15.407 | Channel Move Time                 | Applicable     | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable     | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable     | Pass      |
| 15.407 | Uniform Spreading                 | Not Applicable | NA        |
| 15.407 | U-NII Detection Bandwidth         | Not Applicable | NA        |
| 15.407 | Non-associated test               | Applicable     | Pass      |
| 15.407 | Non-Co-Channel test               | Applicable     | Pass      |

## 6.2 Test Results

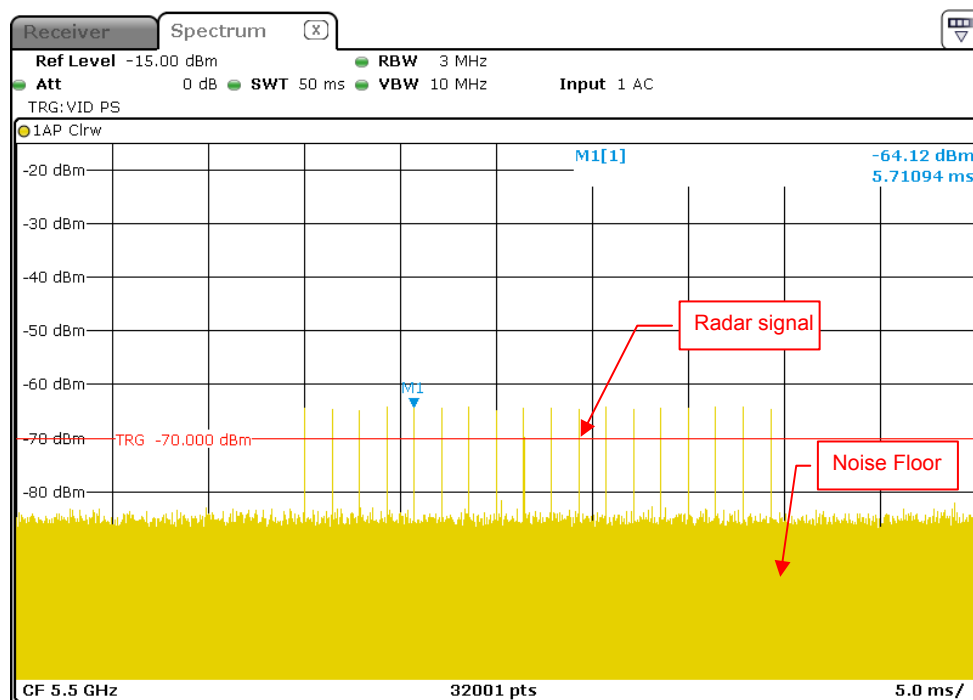
### 6.2.1 Test Mode: Device Operating In Client without Radar Detection Mode

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

The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40, therefore investigated worst case for final test were chosen 802.11n (HT20 / HT40) and record in test report.

### DFS Detection Threshold

For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



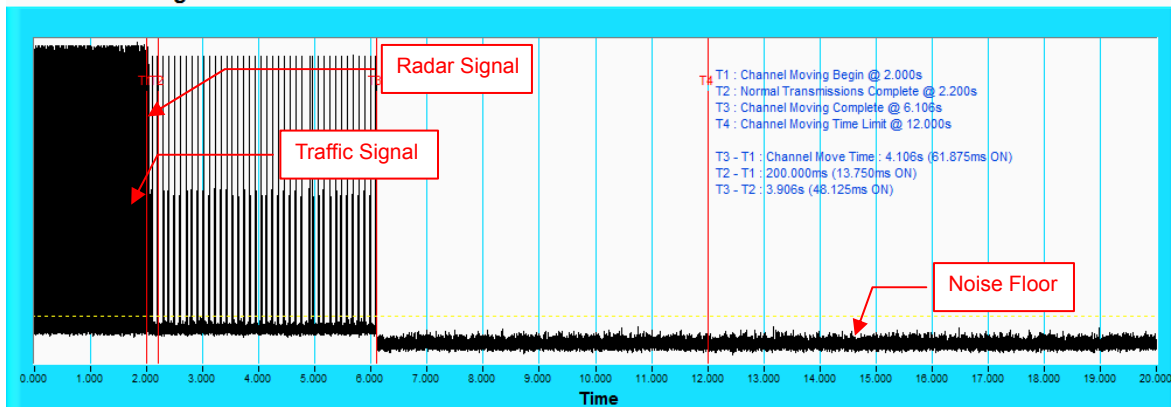
Radar Signal 0

## 6.2.2 Channel Closing Transmission and Channel Move Time

### Radar Signal 0

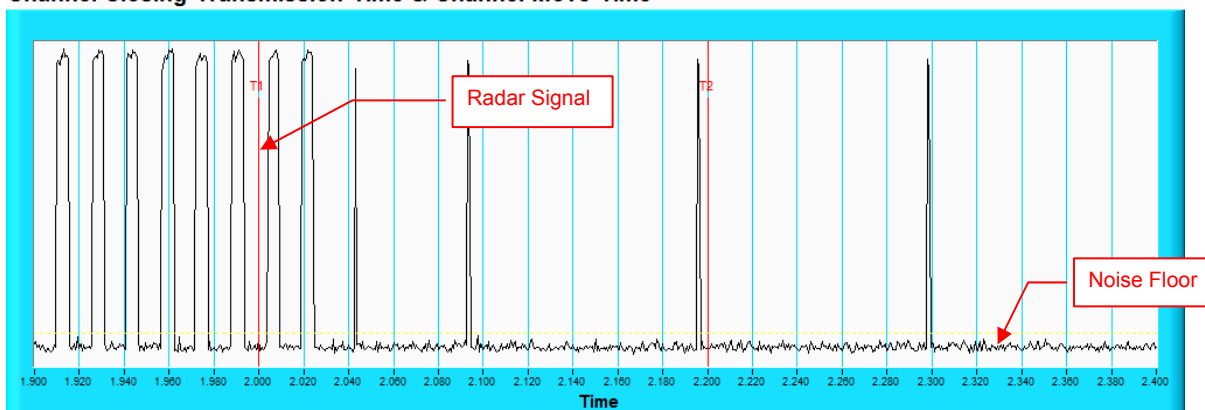
802.11n HT20

#### Channel Closing Transmission Time & Channel Move Time



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

#### Channel Closing Transmission Time & Channel Move Time

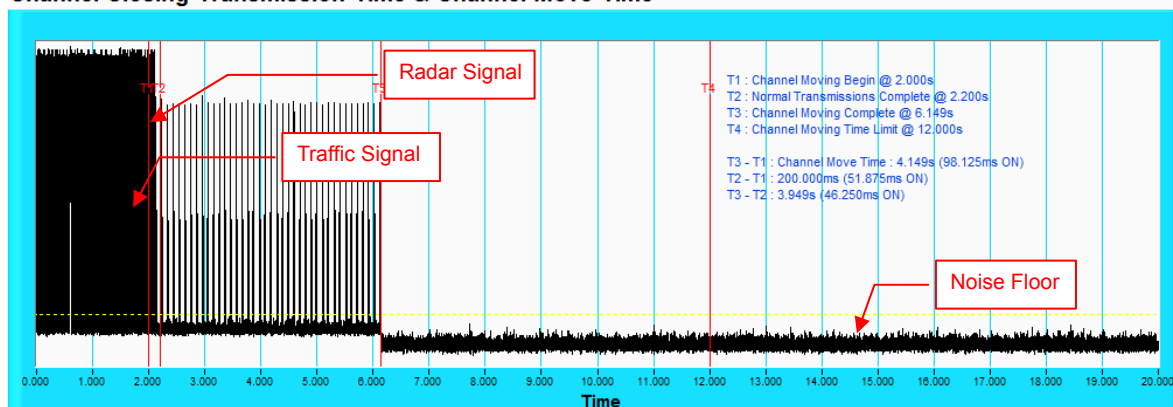


**NOTE:** An expanded plot for the device vacates the channel in the required 500ms.

## Radar Signal 0

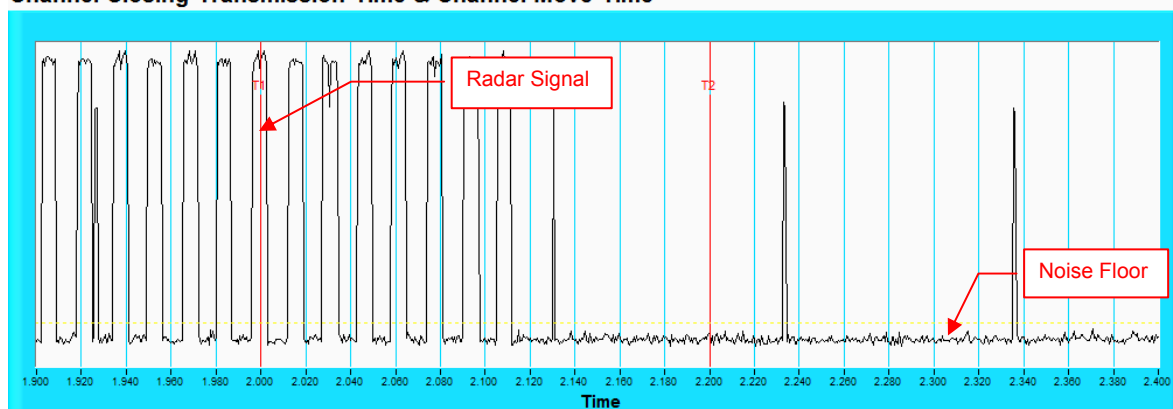
802.11n HT40

### Channel Closing Transmission Time & Channel Move Time



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

### Channel Closing Transmission Time & Channel Move Time

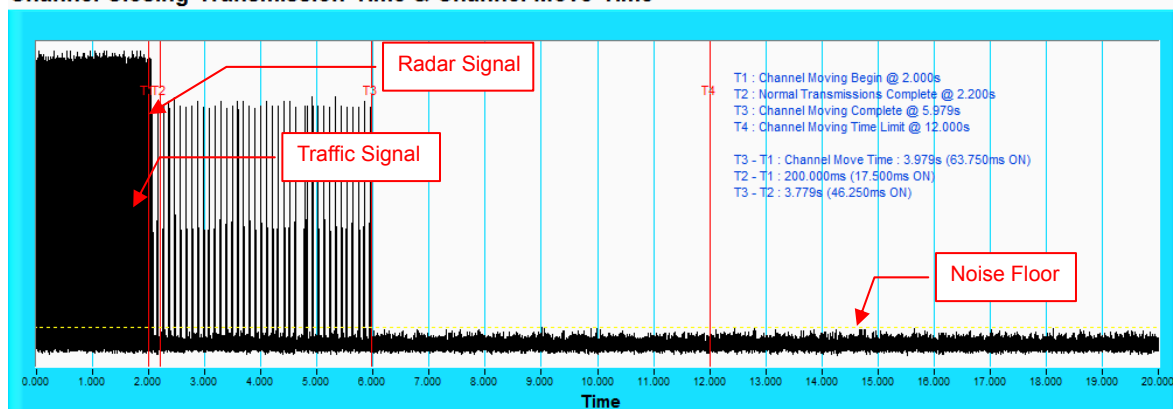


**NOTE:** An expanded plot for the device vacates the channel in the required 500ms.

## Radar Signal 0

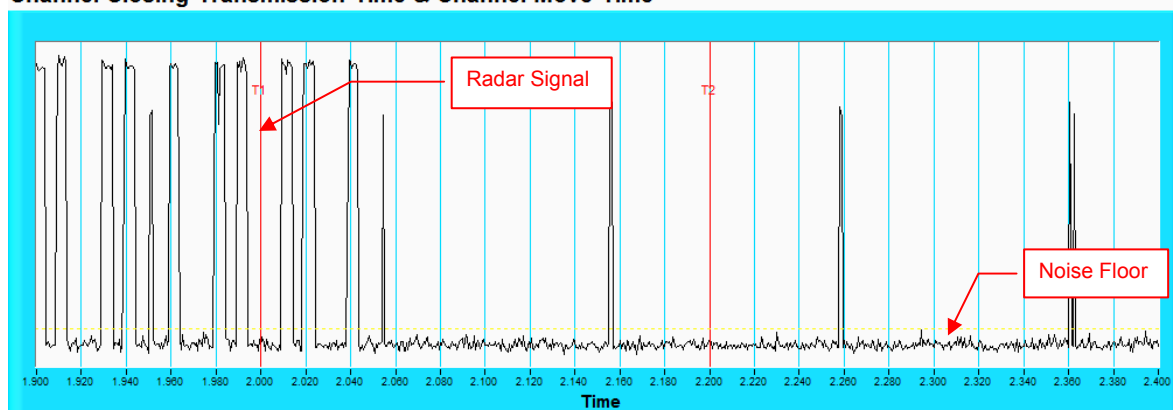
802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



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

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** An expanded plot for the device vacates the channel in the required 500ms.

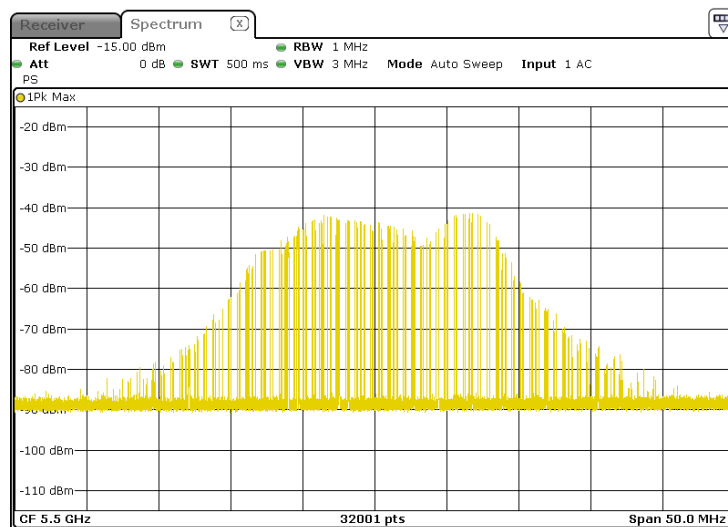
### 6.2.3 Non-Occupancy Period

#### Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

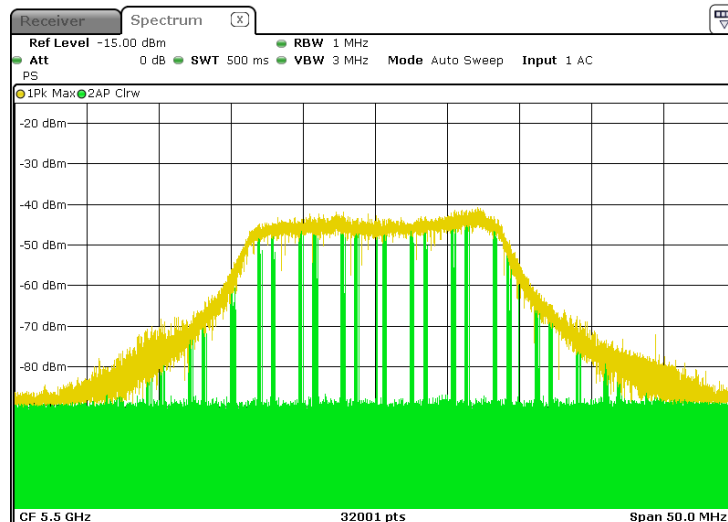
- 1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

Waveform of transmission



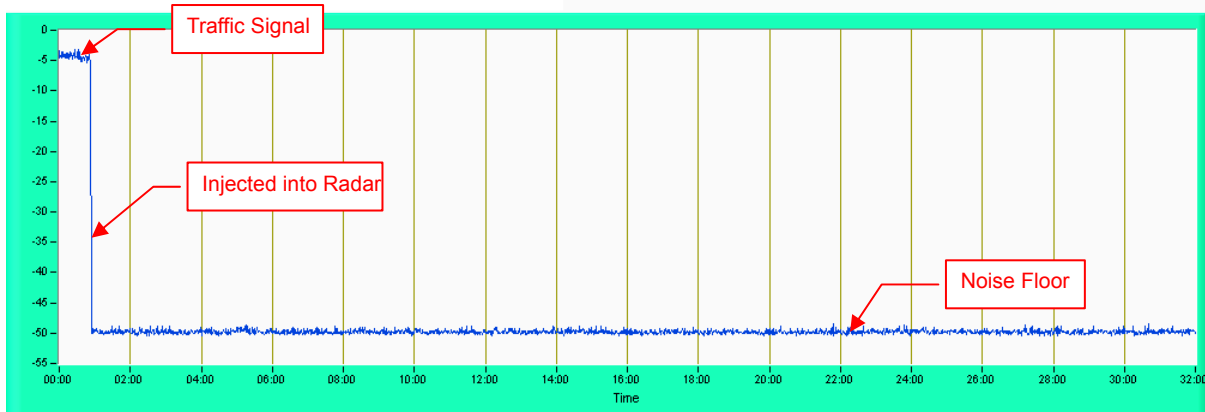
3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.

Radar signal applied to the master and traffic stopped as described in section 6.2.2.

4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

#### 802.11n HT20

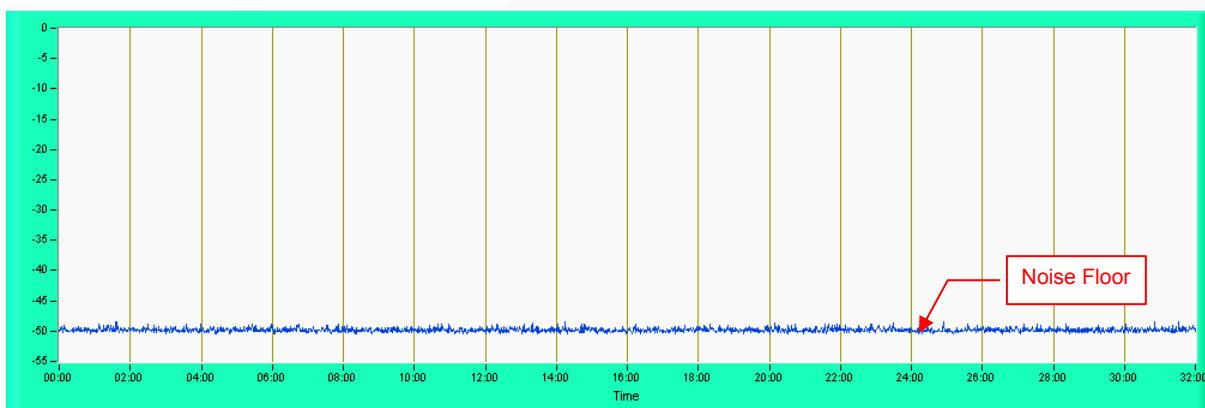


**NOTE:** Test setup are shown on Test set up photo.pdf

#### 6.2.4 Non-Associated Test

Master was off.

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



#### 6.2.5 Non-Co-Channel Test

The UUT was investigated after radar was detected and confirmed that no co-channel operation with radars.

## 7. Information on 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 accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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

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