



# FCC

# RF Test Report

**Product Name: Smart Phone**

**Model Number: POT-LX1**

**Report No.: SYBH(Z-RF)20180912013001-2006**

**FCC ID: QISPOT-LX1**

**Reliability Laboratory of Huawei Technologies Co., Ltd.**

**(Global Compliance and Testing Center of Huawei Technologies Co., Ltd)**

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## Notice

1. The laboratory has passed the accreditation by The American Association for Laboratory Accreditation (A2LA). The accreditation number is 2174.01.
2. The laboratory has been recognized by the US Federal Communications Commission (FCC) to perform compliance testing subject to the Commission's Certification rules. The Designation Number is CN1173, and the Test Firm Registration Number is 294140.
3. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 6369A-1.
4. The laboratory (Reliability Lab of Huawei Technologies Co., Ltd) is also named "Global Compliance and Testing Center of Huawei Technologies Co., Ltd", the both names have coexisted since 2009.
5. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
6. The test report is invalid if there is any evidence of erasure and/or falsification.
7. The test report is only valid for the test samples.
8. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.



**Applicant:** Huawei Technologies Co., Ltd.  
**Address:** Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C

**Date of Receipt Sample:** 2018-10-08  
**Start Date of Test:** 2018-10-09  
**End Date of Test:** 2018-11-05

**Test Result:** Pass

|                           |            |        |               |
|---------------------------|------------|--------|---------------|
| <b>Approved by Senior</b> | 2018-11-05 | He Hao | <i>He Hao</i> |
| <b>Engineer:</b>          | Date       | Name   | Signature     |

|                     |            |            |                     |
|---------------------|------------|------------|---------------------|
| <b>Prepared by:</b> | 2018-11-05 | ZhouLingbo | <i>Zhou Ling bo</i> |
|                     | Date       | Name       | Signature           |



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## 1 General Information

### 1.1 Applied Standard

Applied Rules: 47 CFR FCC Part 2, Subpart J  
47 CFR FCC Part 15, Subpart E

Test Method: FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02  
FCC KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02  
ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices

### 1.2 Test Location

Test Location 1: Reliability Laboratory of Huawei Technologies Co., Ltd.

Address: No.2 New City Avenue Songshan Lake Sci. &Tech. Industry Park, Dongguan, Guangdong, P.R.C

### 1.3 Test Environment Condition

Temperature: 15 to 30 °C (Ambient)

Relative Humidity: 20 to 85 % (Ambient)

Atmospheric Pressure: Not applicable

## 2 Description of the Equipment under Test (EUT)

### 2.1 General Description

POT-LX1 is subscriber equipment in the GSM/WCDMA/LTE system. The GSM frequency band includes GSM850, GSM900, DCS1800 and PCS1900. The UMTS frequency band is band I, band II, band V and band VIII. The LTE frequency band is band 1, band 3, band 7, band 8, band 20. The LTE frequency band for intra-band carrier aggregation downlink operation band is CA\_1C and CA\_3C and CA\_7C and CA\_3A\_3A. The LTE frequency band for inter-band carrier aggregation downlink operation band is CA\_3C\_7A and CA\_3C\_20C and CA\_7C\_20C. The Mobile Phone implements such functions as RF signal receiving/transmitting, LTE/HSPA/UMTS and GSM/GPRS/EDGE protocol processing, voice, video MMS service, GPS, AGPS and WIFI etc. Externally it provides one micro SD card interface (it can also used as SIM card interface), earphone port (to provide voice service) and one SIM card interface. POT-LX1 is dual SIM smart phone. It also provides Bluetooth module to synchronize data between a PC and the phone, or to use the built-in modem of the phone to access the Internet with a PC, or to exchange data with other Bluetooth devices.

Note1: Only 5G WIFI DFS test data included in this report.

### 2.2 EUT Identity

NOTE: Unless otherwise noted in the report, the functional boards installed in the units shall be selected from the below list, but not means all the functional boards listed below shall be installed in one unit.

#### 2.2.1 Board

| Board       |                  |                           |
|-------------|------------------|---------------------------|
| Description | Hardware Version | Software Version          |
| Main Board  | HL3POTM          | 5.0.1.50M(SP2C900E61R1P9) |

#### 2.2.2 Sub-Assembly

| Sub-Assembly       |              |                             |                                                                                                                                                                                                                                                            |
|--------------------|--------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sub-Assembly Name  | Model        | Manufacturer                | Description                                                                                                                                                                                                                                                |
| Adapter            | HW-050200U01 | Huawei Technologies Co.,Ltd | Input voltage: 100-240V ~50/60Hz 0.5A<br>Output voltage: 5V  2A                                                                                                       |
| Adapter            | HW-050200U02 | Huawei Technologies Co.,Ltd | Input voltage: 100-240V ~50/60Hz 0.5A<br>Output voltage: 5V  2A                                                                                                       |
| Li-Polymer Battery | HB396286ECW  | Huawei Technologies Co.,Ltd | Rated capacity: 3320mAh<br>Nominal Voltage:  +3.82V<br>Charging Voltage:  +4.40V |

### 3 General Test Conditions / Configurations

#### 3.1 Mode of Operation:

| Characteristics                 | Description                                                                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| TX/RX Operating Band            | 5250 MHz to 5350 MHz, 5470 MHz to 5725 MHz                                                                                                              |
| Operation Mode                  | <input type="checkbox"/> Master, <input checked="" type="checkbox"/> Slave without radar detection, <input type="checkbox"/> Slave with radar detection |
| IEEE 802.11 WLAN Mode Supported | 802.11A: Supported<br>802.11N: Supported<br>802.11AC: Supported                                                                                         |
| Channel Bandwidth               | 20 MHz, 40 MHz, 80 MHz                                                                                                                                  |
| Modulation Type                 | BPSK/QPSK/16QAM/64QAM (OFDM).                                                                                                                           |

#### 3.2 Antenna Assemblies Profiles

NOTE: When the EUT is put into service, the Antenna Gain should NOT exceed the value used in following table.

| Characteristics       | Description                                                                       |
|-----------------------|-----------------------------------------------------------------------------------|
| Antenna Type          | <input checked="" type="checkbox"/> Integrated, <input type="checkbox"/> External |
| Antenna Ports         | 1                                                                                 |
| Smart Antenna Systems | SISO                                                                              |
| Antenna Gain (dBi)    | -0.3                                                                              |
| Remark                | ---                                                                               |

#### 3.3 Power Supply

| Specification     | Description                                                                                                                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply Type | AC/DC Adapter                                                                                                                                                                                                                          |
| Input to EUT      | DC Voltage Nominal:  3.82 V<br>DC Voltage Range:  3.6 V to 4.4 V |

### 4 U-NII DFS RULE REQUIREMENTS

#### 4.1 WORKING MODES ANF 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.

Table 1. Applicability of DFS Requirements Prior to Use of a Channel

| Requirement          | Operational Mode |                                |                             |
|----------------------|------------------|--------------------------------|-----------------------------|
|                      | Master           | Client Without Radar Detection | Client With Radar Detection |
| Non-Occupancy Period | Yes              | Not required                   | Yes                         |

| Requirement                     | Operational Mode |              |              |
|---------------------------------|------------------|--------------|--------------|
| DFS Detection Threshold         | Yes              | Not required | Yes          |
| Channel Availability Check Time | Yes              | Not required | Not required |
| Uniform Spreading               | Yes              | Not required | Not required |
| U-NII Detection Bandwidth       | 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 |
| DFS Detection Threshold           | Yes                                          | Not required                   |
| Channel Closing Transmission Time | Yes                                          | Yes                            |
| Channel Move Time                 | Yes                                          | Yes                            |
| U-NII Detection Bandwidth         | Yes                                          | Not required                   |

| Additional requirements for devices with multiple bandwidth modes                                                                                                                                                                                                                                                                     | Master Device 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 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. |                                              |                                                      |

## 4.2 Requirements

Per FCC KDB 905462 D02 the following are the requirements for Client Devices:

- A Client Device will not transmit before having received appropriate control signals from a Master Device.
  - A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
  - If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform.
  - Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
  - The client test frequency must be 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.

### 4.3 DFS Detection Thresholds

**Table 3** below provides the *DFS Detection Thresholds* for *Master Devices* as well as *Client Devices* incorporating *In-Service Monitoring*.

Table3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Value<br>(See Notes 1 and 2) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 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>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>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.</p> <p>Note 3:EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                              |

## 4.4 Response Requirements

**Table 4** provides the response requirements for *Master* and *Client Devices* incorporating DFS.

Table4. 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 UNII 99% transmission power bandwidth. See Note 3.                                    |
| <p>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.</p> <p>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.</p> <p>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.</p> |                                                                                                           |

## 4.5 Parameters of DFS Test Signals

As the EUT is a Client Device with no Radar Detection only one type radar pulse is required for the testing. Radar Pulse type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time. Table 5 lists the parameters for the Short Pulse Radar Waveforms. A plot of the Radar Pulse Type 0 used for testing is included in this report.

**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                                                                     | 6 sec 1 360 Roundup 19 10 PRI | 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. Parameters for Long Pulse Radar Waveforms**

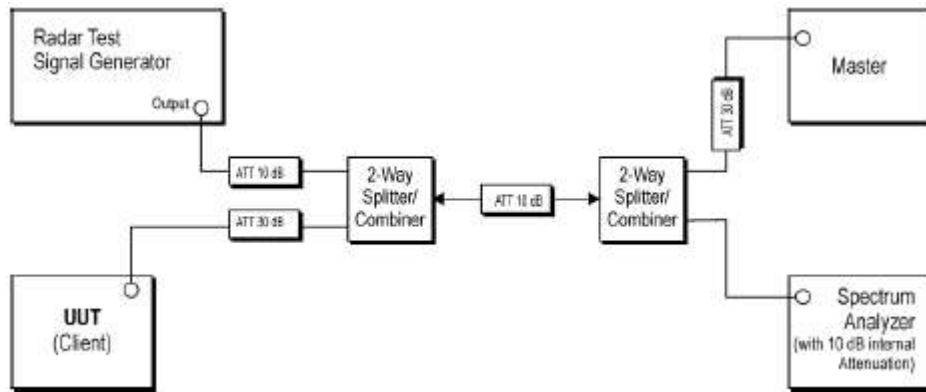
| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per <i>Burst</i> | Number of <i>Bursts</i> | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------|-------------------|------------|-----------------------------------|-------------------------|-------------------------------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

**Table 7. Parameters for Frequency Hopping Radar Waveforms**

| 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                       |

## 4.6 Procedure

The FCC KDB 905462 D02 describes a radiated test setup and a conducted test setup. A conducted test setup was used for this testing. Figure 1 shows the typical test setup.



**Figure 1. Test Setup for DFS**

1. The radar pulse generator is setup to provide a pulse at the frequency that the Master and Client are operating. A Type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
  2. The vector signal generator is adjusted to provide the radar burst (18 pulses) at a level of approximately -64dBm at the antenna of the Master device.
  3. A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the Traffic and the occurrence of the radar pulse.
  4. The Client Device (EUT) is set up per the diagram in Figure 1 and communications between the Master device and the Client is established.
  5. The MPEG file specified by the FCC ("*6 ½ Magic Hours*") is streamed from the "file computer" through The Master to the Slave Device and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network.
  6. The real time spectrum analyzer is set to record a 13sec window to any transmissions occurring up to and after 10sec.
  7. The system is again setup and the monitoring time is shortened in order to capture the Channel Closing Transmission Time. This time is measured to insure that the Client ceases transmission within 200ms and the aggregate of emissions occurring after 200ms up to 10 sec do not exceed 60ms.
- (Note: the channel may be different since the Master and Client have changed channels due to the



detection of the initial radar pulse.)

8. Monitor the UUT for more than 30 minutes following Channel Closing Transmission Time if radar detection occurs to verify that the UUT does not resume any transmissions on this Channel.



## 5 Test Equipment

| Equipment               | Model           | Manufacturer                 | S/N           | Cal Date   | Cal- Due   |
|-------------------------|-----------------|------------------------------|---------------|------------|------------|
| Vector Signal Generator | R&S             | SMW200A                      | 103447        | 2018/05/31 | 2019/05/31 |
| Spectrum Analyzer       | Agilent         | N9030A                       | MY49431698    | 2018/7/23  | 2019/7/23  |
| Notebook Computer       | Hewlett Packard | Elite Book 840               | 5CG53648N9    | unshielded | unshielded |
| AP                      | Netgear         | R7000P (FCC ID :PY316200351) | 52917474A0653 | unshielded | unshielded |

## 6 TEST RESULTS

### 6.1 SUMMARY OF TEST RESULT

| FCC Rule No. | Test Parameter                    | Remarks       | Pass/Fail |
|--------------|-----------------------------------|---------------|-----------|
| 15.407(h)    | DFS Detection Threshold           | No Applicable | N/A       |
| 15.407(h)    | Channel Availability Check time   | No Applicable | N/A       |
| 15.407(h)    | Channel Move time                 | Applicable    | Pass      |
| 15.407(h)    | Channel Closing Transmission Time | Applicable    | Pass      |
| 15.407(h)    | Non-Occupancy Period              | Applicable    | Pass      |
| 15.407(h)    | Uniform Spreading                 | No Applicable | N/A       |
| 15.407(h)    | U-NII Detection Bandwidth         | No Applicable | N/A       |

### 6.1.1 TEST MODE: DEVICE OPERATING IN MASTER MODE

The EUT is slave equipment, it need a master device when testing.

Master with injection at the Master. (Radar Test Waveforms are injected into the Master)

### 6.1.2 DFS DETECTION THRESHOLD

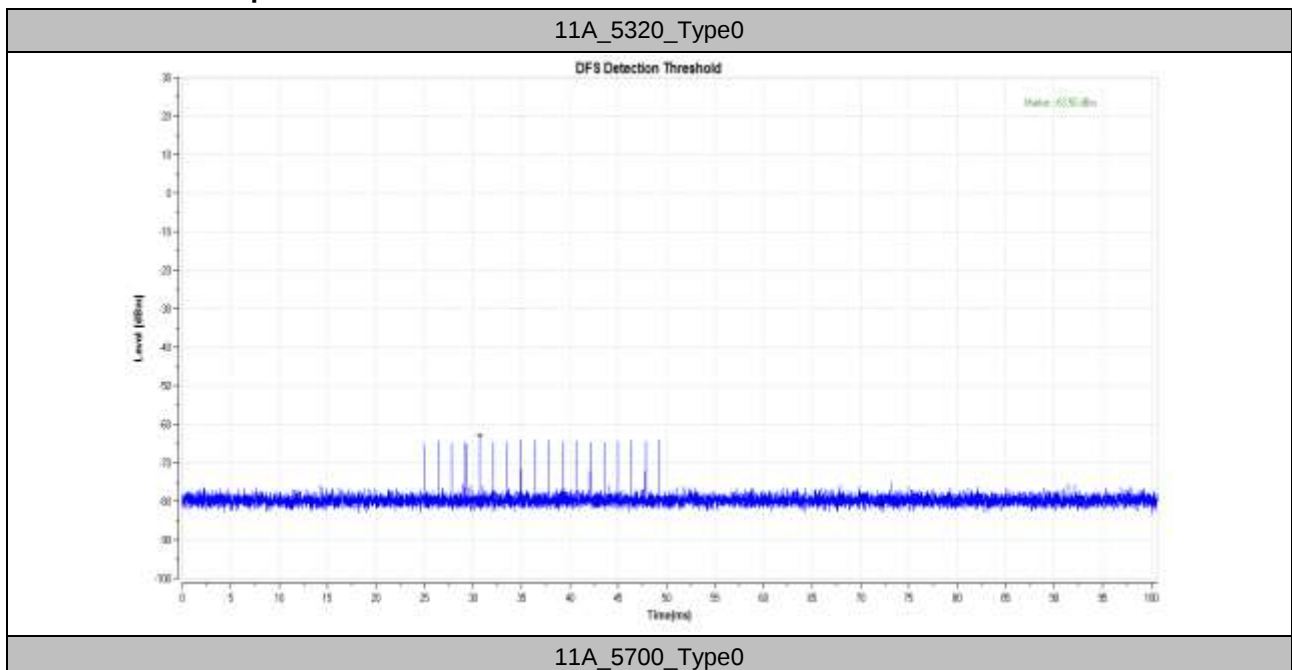
The radar signal was the same as the transmitted channels, and injected into the antenna port of AP(master) for measuring the channel closing transmission time and channel move time.

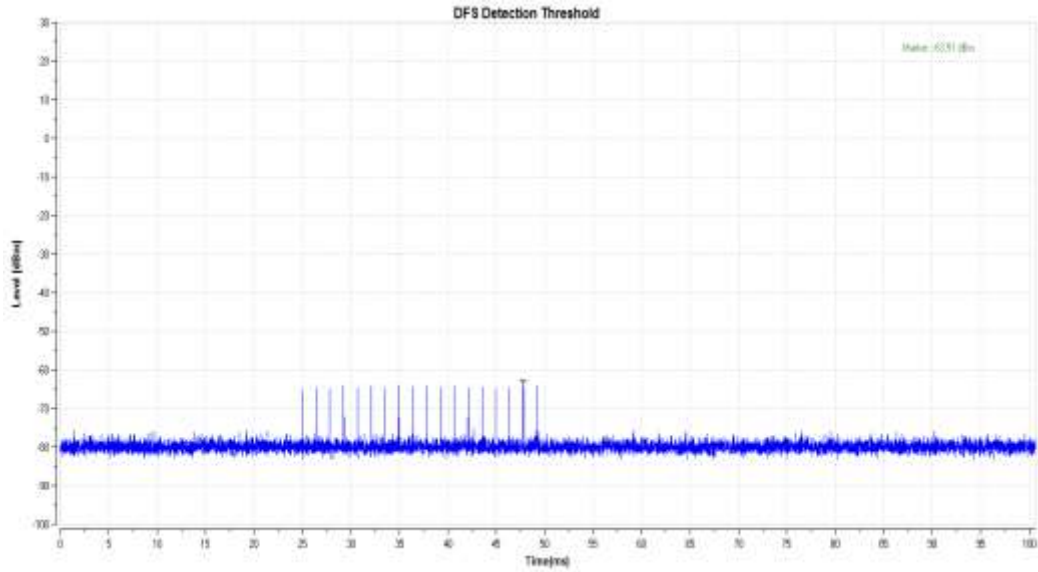
For detection threshold level of -64dBm ,the test level is lower than required level for 1dB,hence it provides margin to the limit and master antenna gain is 1.8 dBi, so required detection threshold is -63.2dBm  $(=-65+1.8)$  。

#### 6.1.2.1 Test Result

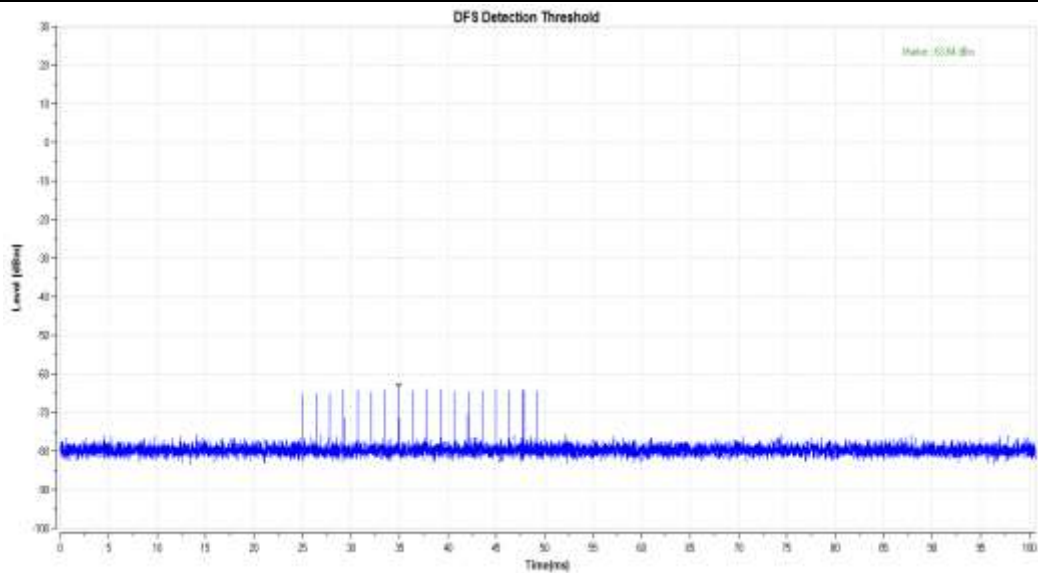
| TestMode   | Channel | Radar Type | Result | Limit[dbm] | Verdict |
|------------|---------|------------|--------|------------|---------|
| 11A        | 5320    | Type0      | -63.50 | -63.2      | PASS    |
|            | 5700    | Type0      | -63.51 | -63.2      | PASS    |
| 11N40SISO  | 5310    | Type0      | -63.64 | -63.2      | PASS    |
|            | 5670    | Type0      | -63.76 | -63.2      | PASS    |
| 11AC80SISO | 5290    | Type0      | -63.71 | -63.2      | PASS    |
|            | 5530    | Type0      | -63.53 | -63.2      | PASS    |

#### 6.1.2.2 Test Graphs

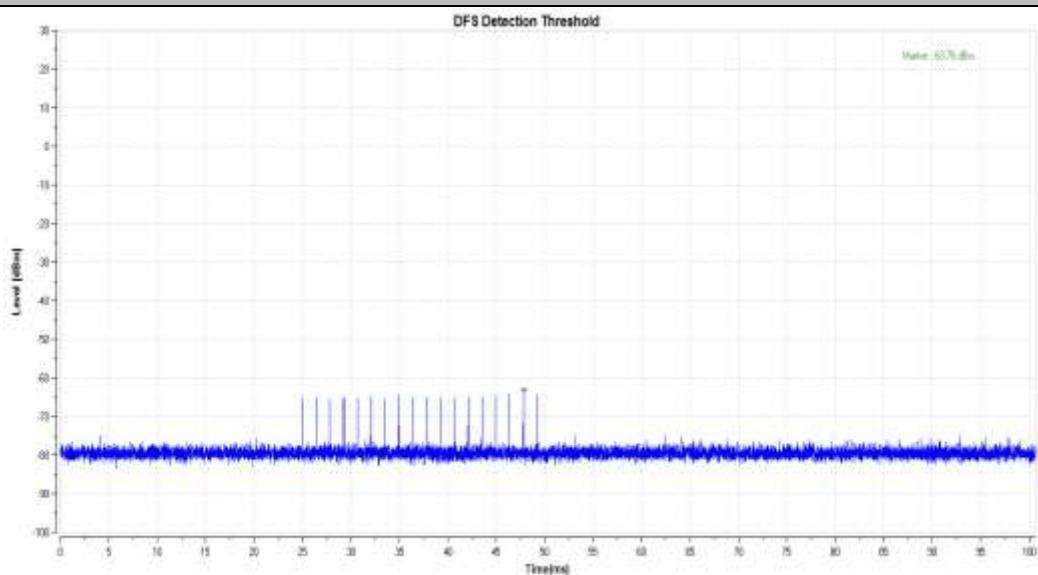




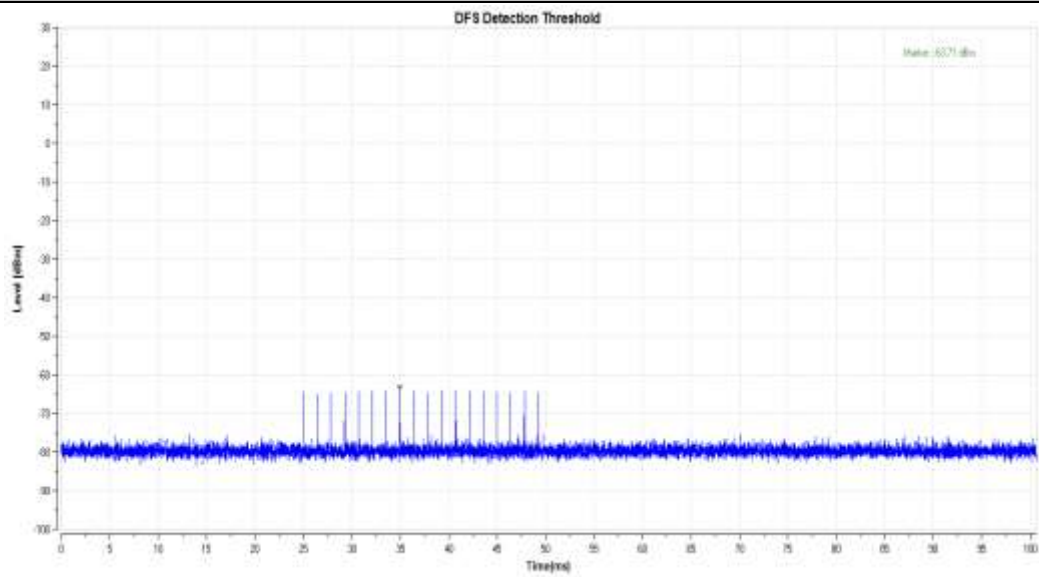
11N40SISO\_5310\_Type0



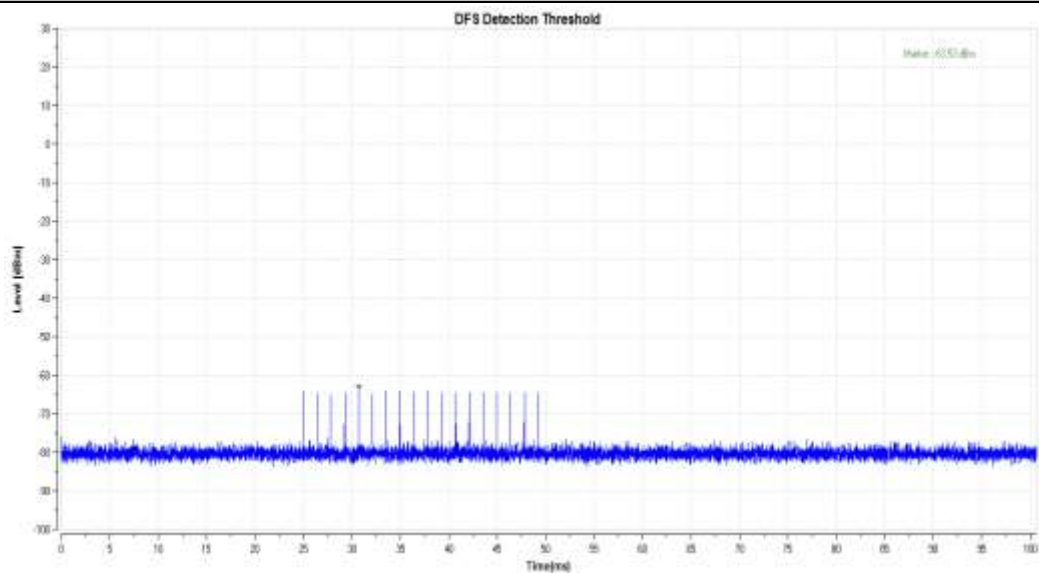
11N40SISO\_5670\_Type0



11AC80SISO\_5290\_Type0



11AC80SISO\_5530\_Type0

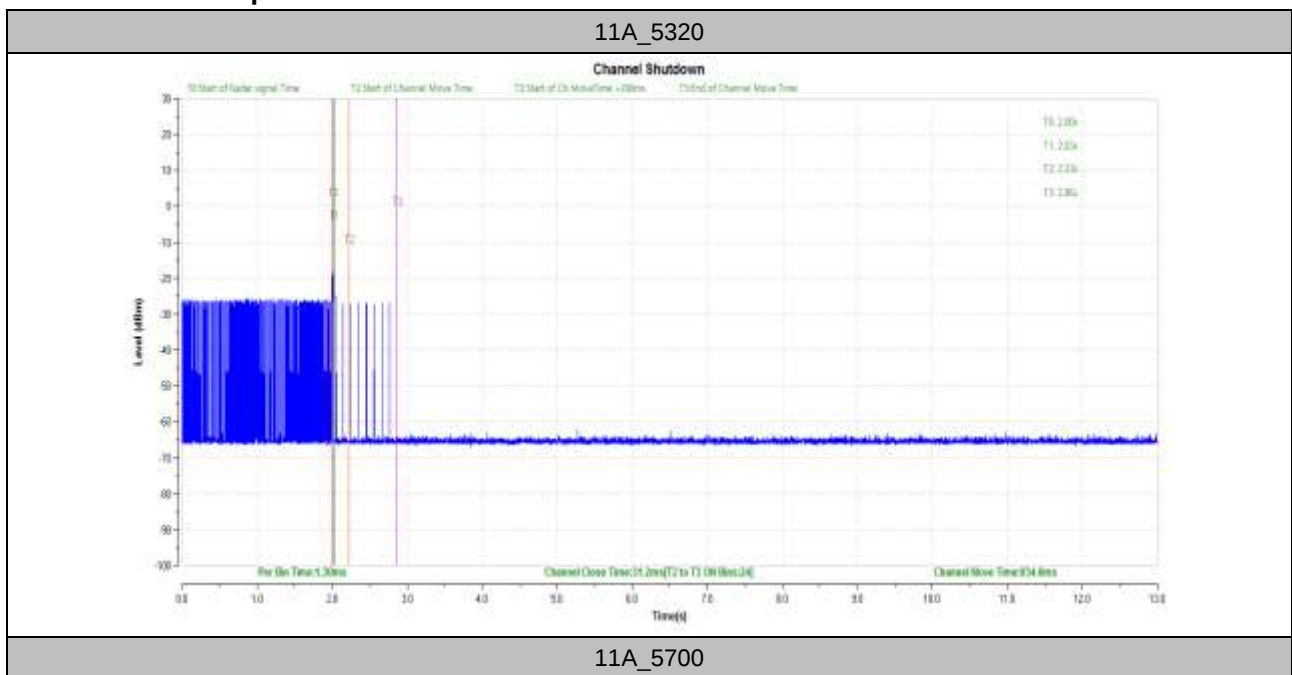


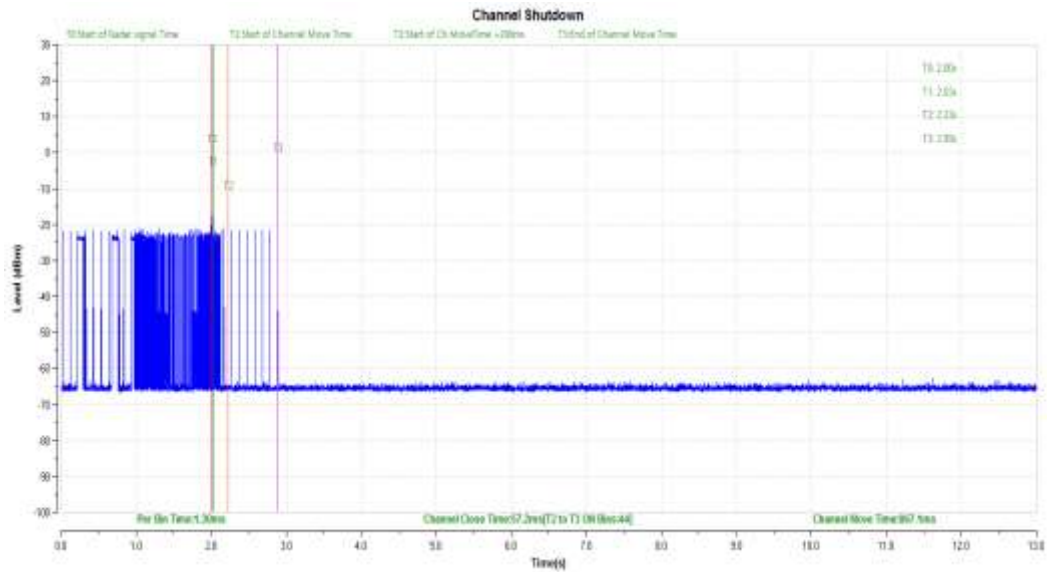
### 6.1.3 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME WLAN TRAFFIC

#### 6.1.3.1 Test Result

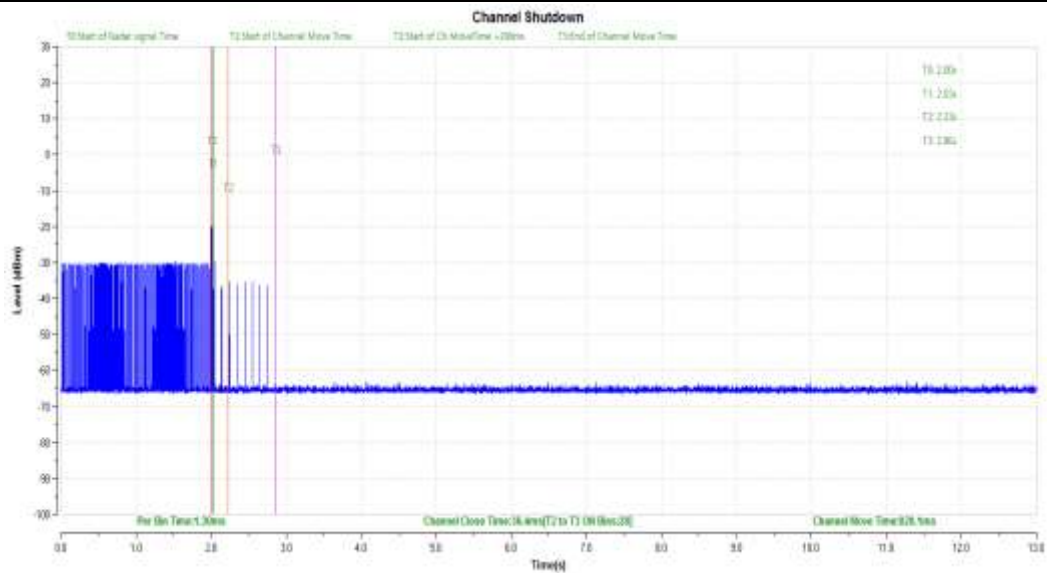
| TestMode   | Channel | CCT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|------------|---------|---------|-----------|---------|-----------|---------|
| 11A        | 5320    | 31.2    | 60        | 834.6   | 10000     | PASS    |
|            | 5700    | 57.2    | 60        | 867.1   | 10000     | PASS    |
| 11N40SISO  | 5310    | 36.4    | 60        | 828.1   | 10000     | PASS    |
|            | 5670    | 42.9    | 60        | 848.9   | 10000     | PASS    |
| 11AC80SISO | 5290    | 53.3    | 60        | 826.8   | 10000     | PASS    |
|            | 5530    | 40.3    | 60        | 802.1   | 10000     | PASS    |

#### 6.1.3.2 Test Graphs

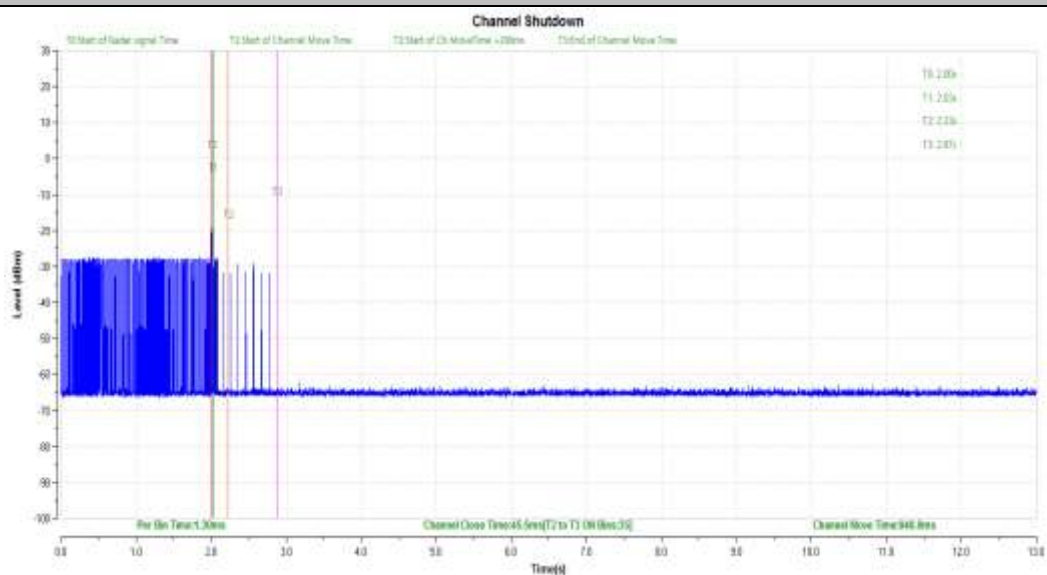




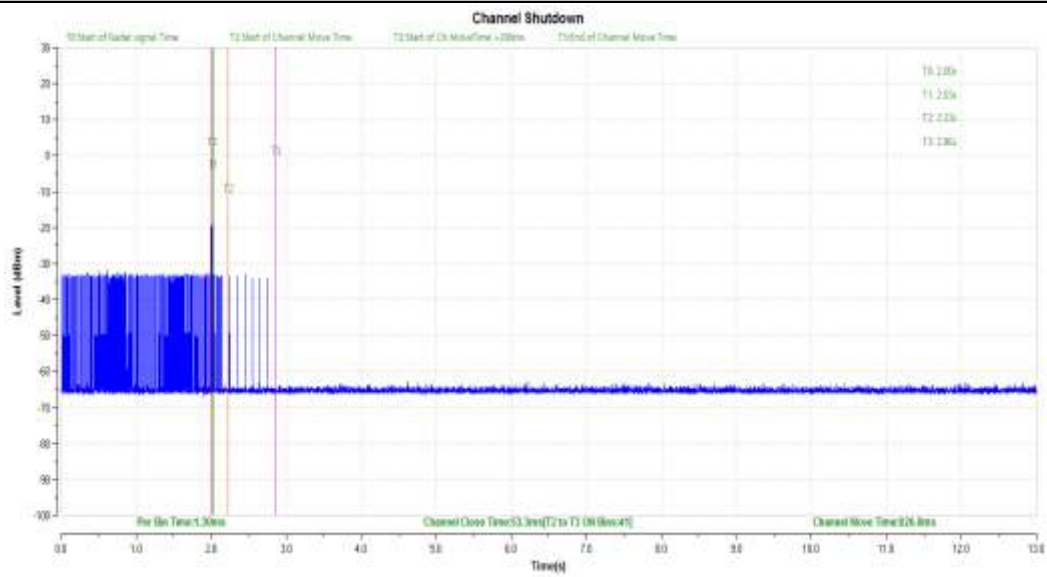
11N40SISO\_5310



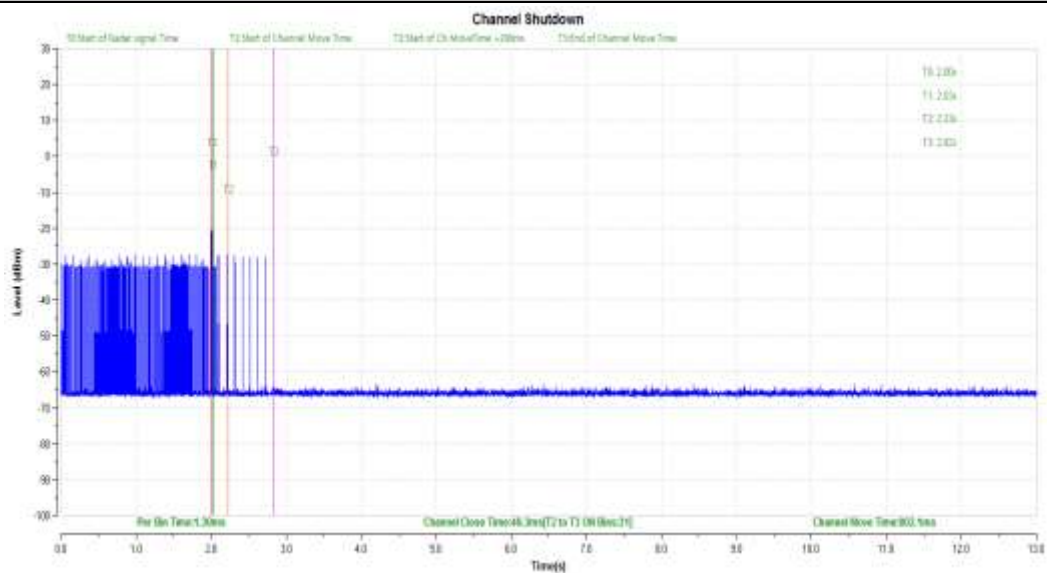
11N40SISO\_5670



## 11AC80SISO\_5290



## 11AC80SISO\_5530



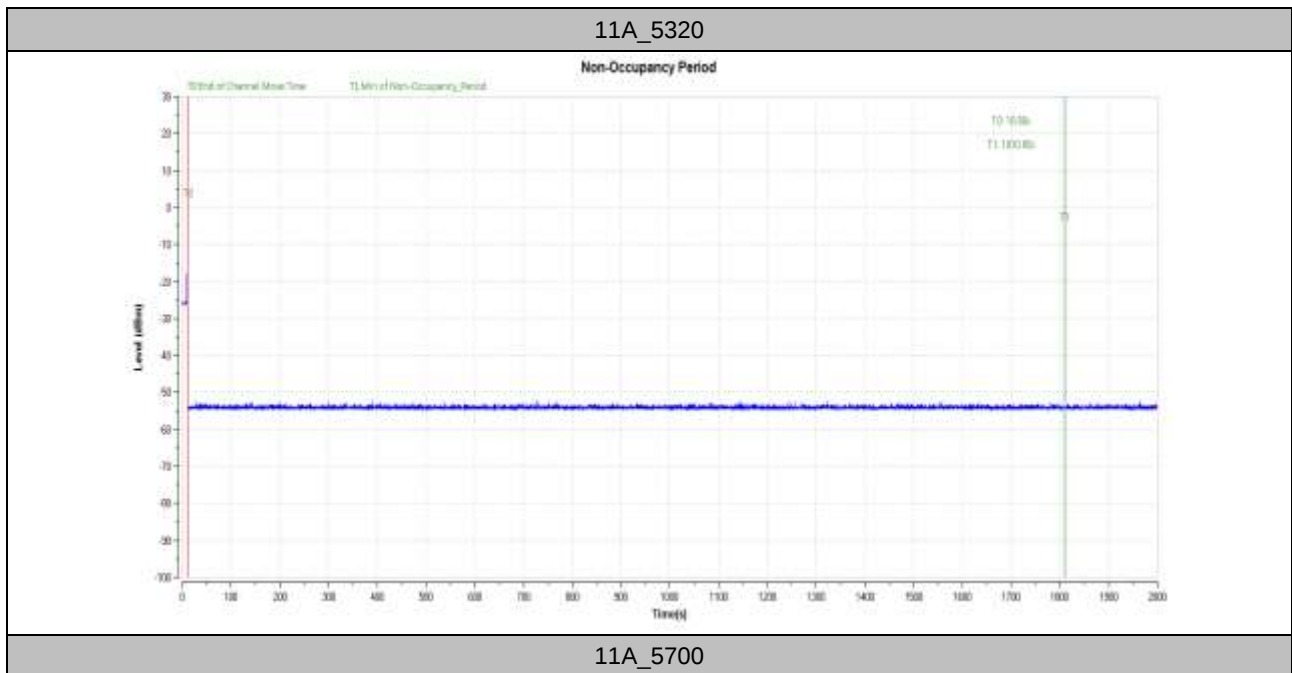
## 6.1.4 NON- OCCUPANCY PERIOD

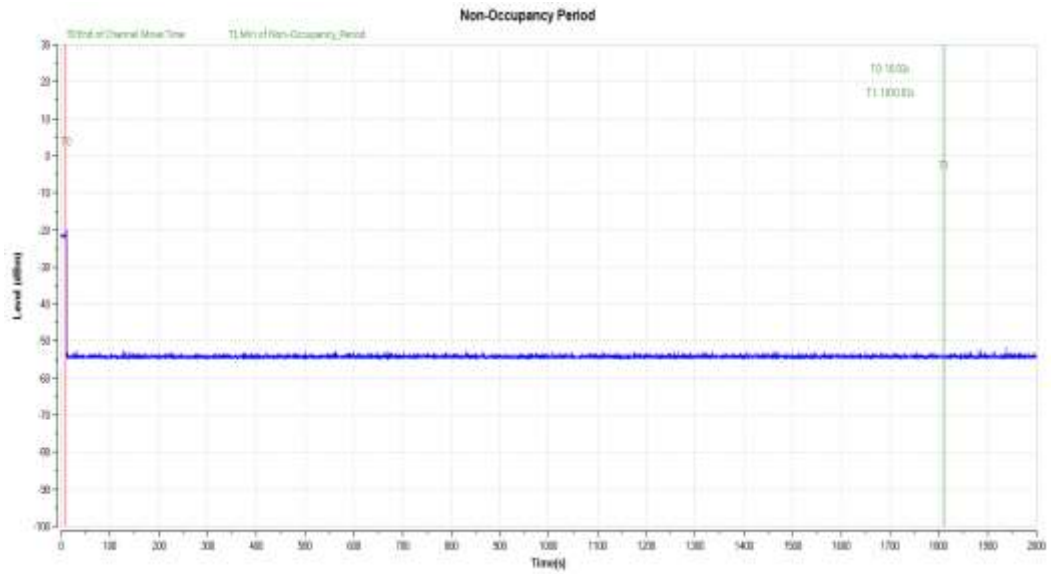
### 6.1.4.1 Test Result

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.

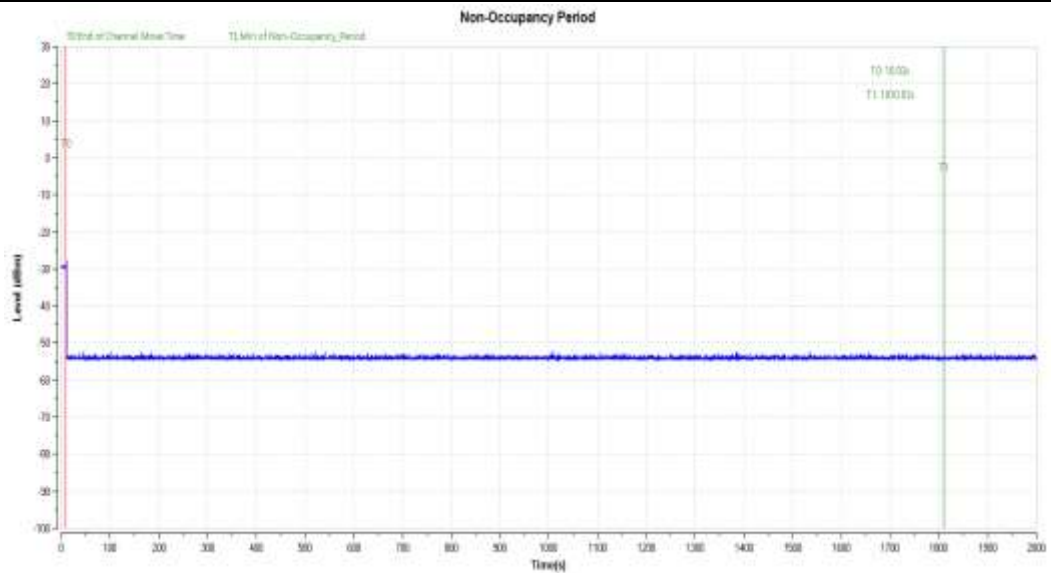
| TestMode   | Channel | Result         | Limit[s]    | Verdict |
|------------|---------|----------------|-------------|---------|
| 11A        | 5320    | see test graph | $\geq 1800$ | PASS    |
|            | 5700    | see test graph | $\geq 1800$ | PASS    |
| 11N40SISO  | 5310    | see test graph | $\geq 1800$ | PASS    |
|            | 5670    | see test graph | $\geq 1800$ | PASS    |
| 11AC80SISO | 5290    | see test graph | $\geq 1800$ | PASS    |
|            | 5530    | see test graph | $\geq 1800$ | PASS    |

### 6.1.4.2 Test Graphs

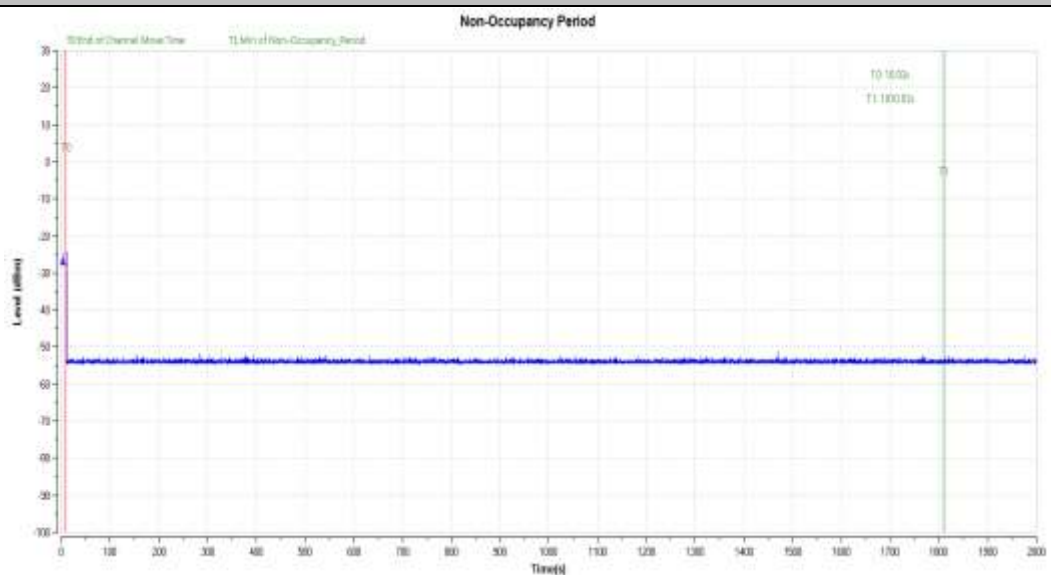




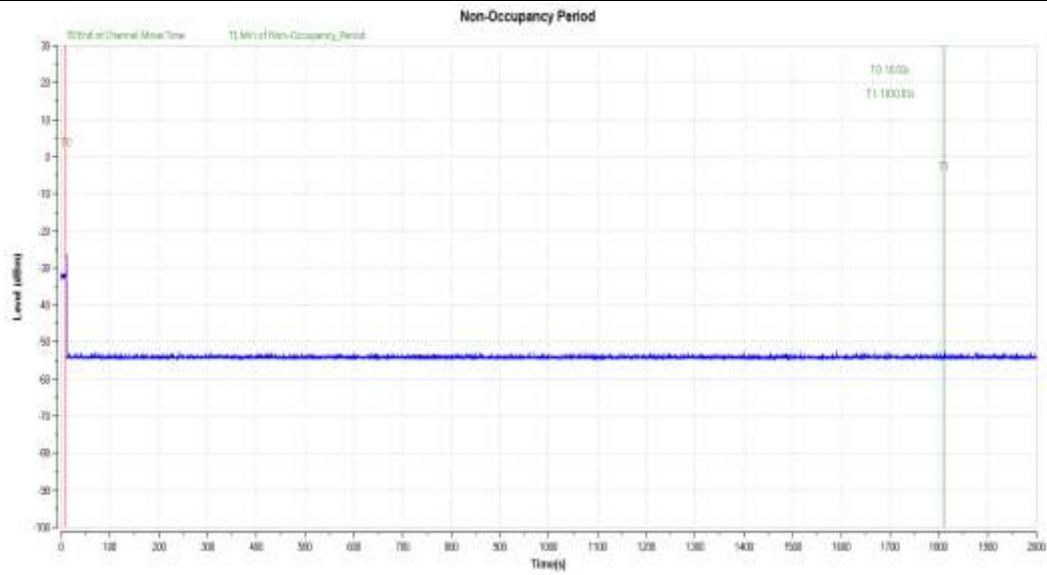
11N40SISO\_5310



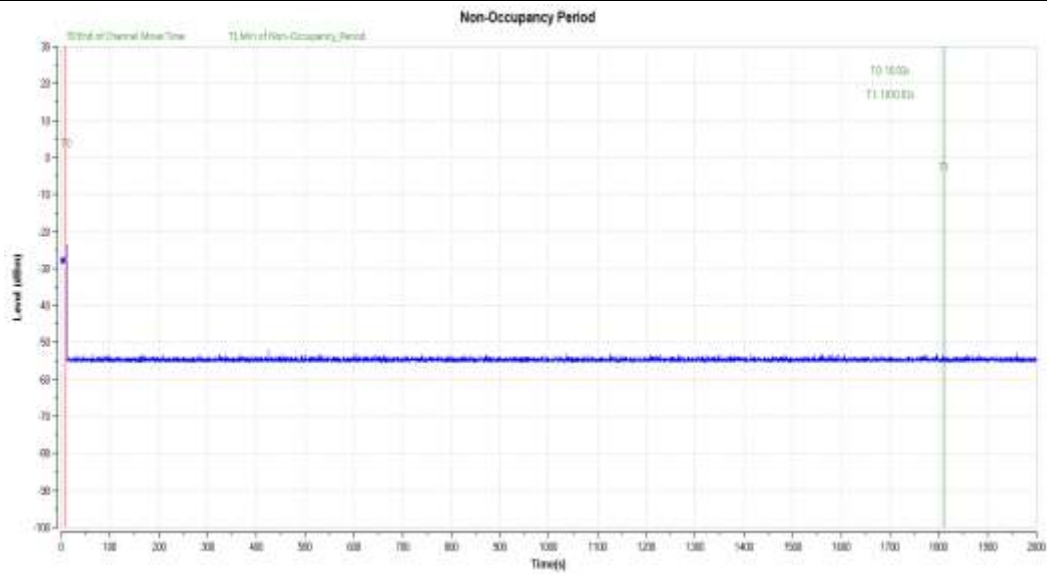
11N40SISO\_5670



11AC80SISO\_5290



11AC80SISO\_5530



## 7 Measurement Uncertainty

For a 95% confidence level ( $k = 2$ ), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

| Parameter     | Measurement Uncertainty |
|---------------|-------------------------|
| DFS Threshold | 0.96 dB                 |

END