

# RADIO TEST REPORT

## (FCC Part 15 Subpart E)

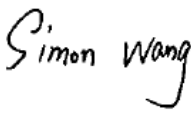
|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| Applicant: | Xiaomi Communications Co., Ltd.                                                                  |
| Address:   | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China,<br>100085 |

|                |                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------|
| Manufacturer:  | Xiaomi Communications Co., Ltd.                                                                  |
| Address:       | #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China,<br>100085 |
| Product:       | Mobile Phone                                                                                     |
| Brand Name:    | Redmi                                                                                            |
| Model Name:    | 23100RN82L                                                                                       |
| FCC ID:        | 2AFZZN82L                                                                                        |
| Date of tests: | Aug. 07, 2023 ~ Sep. 12, 2023                                                                    |

The tests have been carried out according to the requirements of the following standard:

☒ **Part 15 Subpart E §15. 407**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

|                                                                                                            |                                                                                                              |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Prepared by Simon Wang<br>Engineer / Mobile Department                                                     | Approved by Luke Lu<br>Manager / Mobile Department                                                           |
| <br>Date: Sep. 12, 2023 | <br>Date: Sep. 12, 2023 |

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## REPORT REVISE RECORD

| ISSUE NO.         | REASON FOR CHANGE | DATE ISSUED   |
|-------------------|-------------------|---------------|
| W7L-P23080006RF09 | Original release  | Sep. 12, 2023 |

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## SUMMARY OF DYNAMIC FREQUENCY SELECTION TEST

| UNII                                                                | Bandwidth and Channel       | Description                                 | Measured                            | Limit                                                  | Result | Test Lab* |
|---------------------------------------------------------------------|-----------------------------|---------------------------------------------|-------------------------------------|--------------------------------------------------------|--------|-----------|
| UNII Band 2-A<br>5250-5350MHz<br>&<br>UNII Band 2-C<br>5470-5725MHz | 80MHz<br>(CH58)<br>5290MHz  | Channel Move Time                           | 940.9ms                             | 10 sec                                                 | Pass   | A         |
|                                                                     |                             | Channel Closing Transmission time           | <200ms + 24.7ms (aggregate)         | 200 ms + aggregate of 60 ms over remaining 10 s period | Pass   | A         |
|                                                                     |                             | Non-Occupancy Period and Client Beacon Test | No transmission or Beacons occurred | 30 minutes                                             | Pass   | A         |
| UNII Band 2-A<br>5250-5350MHz<br>&<br>UNII Band 2-C<br>5470-5725MHz | 80MHz<br>(CH106)<br>5530MHz | Channel Move Time                           | 864.2ms                             | 10 sec                                                 | Pass   | A         |
|                                                                     |                             | Channel Closing Transmission time           | <200ms + 22.1ms (aggregate)         | 200 ms + aggregate of 60 ms over remaining 10 s period | Pass   | A         |
|                                                                     |                             | Non-Occupancy Period and Client Beacon Test | No transmission or Beacons occurred | 30 minutes                                             | Pass   | A         |

Note:

1. Since the product is client without radar detection function, only Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Test are required to be performed.

### \*Test Lab Information Reference

#### Lab A:

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

#### Lab Address:

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

**Accredited Test Lab Cert 3939.01**

**FCC Site Registration No. : 525120; Designation No. : CN1171;**

# 1 GENERAL DESCRIPTION

## 1.1 GENERAL DESCRIPTION OF EUT

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| <b>PRODUCT</b>               | Mobile Phone                                                    |
| <b>BRAND NAME</b>            | Redmi                                                           |
| <b>MODEL NAME</b>            | 23100RN82L                                                      |
| <b>Power Supply</b>          | 5Vdc(adapter or host equipment)<br>3.84Vdc (Li-ion, battery)    |
| <b>HW Version</b>            | LLDM572                                                         |
| <b>SW Version</b>            | MIUI 14                                                         |
| <b>IMEI</b>                  | 861440060049166<br>861440060064348<br>861440060081649           |
| <b>Modulation Technology</b> | 64QAM,16QAM, QPSK, BPSK for OFDM                                |
| <b>Modulation Type</b>       | 802.11a/n/ac : OFDM                                             |
| <b>Operating Frequency</b>   | U-NII-2A:5250~5350MHz<br>U-NII-2C:5500~5720MHz                  |
| <b>Antenna Type</b>          | PIFA Antenna                                                    |
| <b>Antenna Gain</b>          | <5250 MHz ~ 5350 MHz> -0.4 dBi<br><5500 MHz ~ 5720 MHz> 0.6 dBi |
| <b>I/O Ports</b>             | Refer to user's manual                                          |

### NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in the test report.

## 1.2 MODIFICATION OF EUT

No modifications are made to the EUT during all test items.

### 1.3 APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E §15.407
- ♦ FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
- ♦ FCC KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02
- ♦ The FCC Site Registration No. is 55120; The Designation No. is CN1171.

## 2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

### 2.1 CARRIER FREQUENCY AND CHANNEL

#### U-NII-2A

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 52      | 5260 MHz  | 60      | 5300 MHz  |
| 54      | 5270 MHz  | 62      | 5310 MHz  |
| 56      | 5280 MHz  | 64      | 5320 MHz  |
| 58      | 5290 MHz  |         |           |

#### U-NII-2C

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 100     | 5500 MHz  | 112     | 5560 MHz  |
| 102     | 5510 MHz  | 116     | 5580 MHz  |
| 104     | 5520 MHz  | 132     | 5660 MHz  |
| 106     | 5530 MHz  | 134     | 5670 MHz  |
| 108     | 5540 MHz  | 136     | 5680 MHz  |
| 110     | 5550 MHz  | 140     | 5700 MHz  |
| 144     | 5720 MHz  |         |           |

#### TDWR

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 118     | 5590 MHz  | 124     | 5620 MHz  |
| 120     | 5600 MHz  | 126     | 5630 MHz  |
| 122     | 5610 MHz  | 128     | 5640 MHz  |

## 2.2 TEST MODE

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

## 2.3 SUPPORT EQUIPMENT

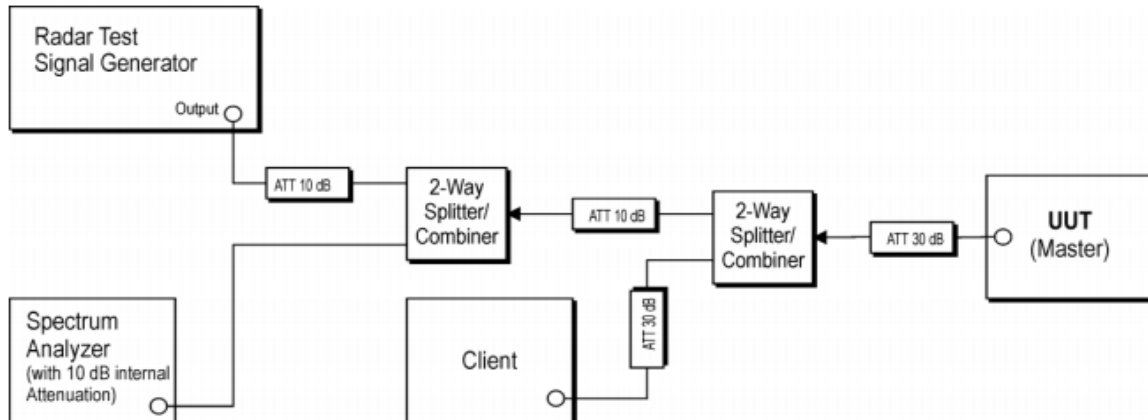
| Item | Equipment       | Trade Name | Model Name      | FCC ID       | Data Cable | Power Cord                                                         |
|------|-----------------|------------|-----------------|--------------|------------|--------------------------------------------------------------------|
| 1.   | Wireless Router | ASUS       | RT-AX88U        | MSQ-RTAXHP00 | N/A        | Unshielded, 1.8 m                                                  |
| 2.   | Notebook        | Lenovo     | Xiaoxinchao5000 | FCC sDoC     | N/A        | shielded cable<br>DC O/P 1.8 m<br>unshielded AC<br>I/P cable 1.2 m |

## 2.4 TEST TOOL SOFTWARE VERSION

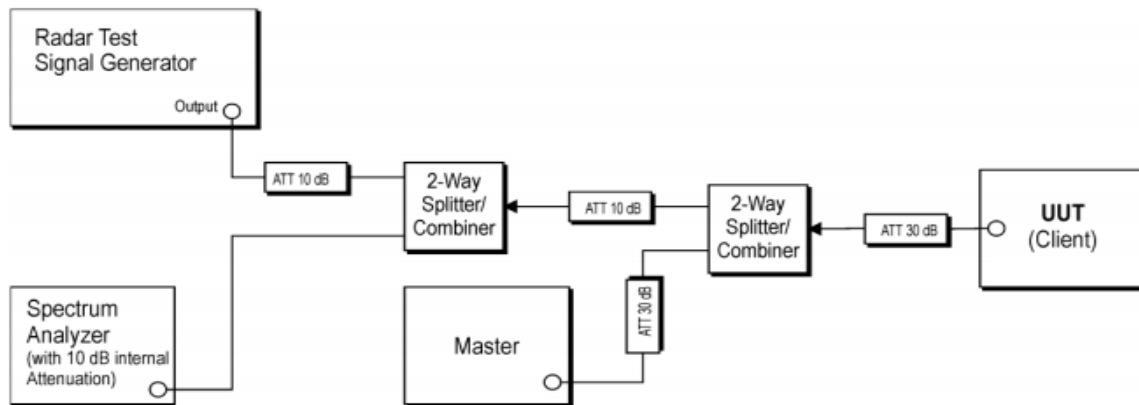
| Item | Trade Name | Model Name | FW Version |
|------|------------|------------|------------|
| 1.   | Tonscend   | JS1120-3   | 3.2.06     |

## 2.5 TEST SETUP

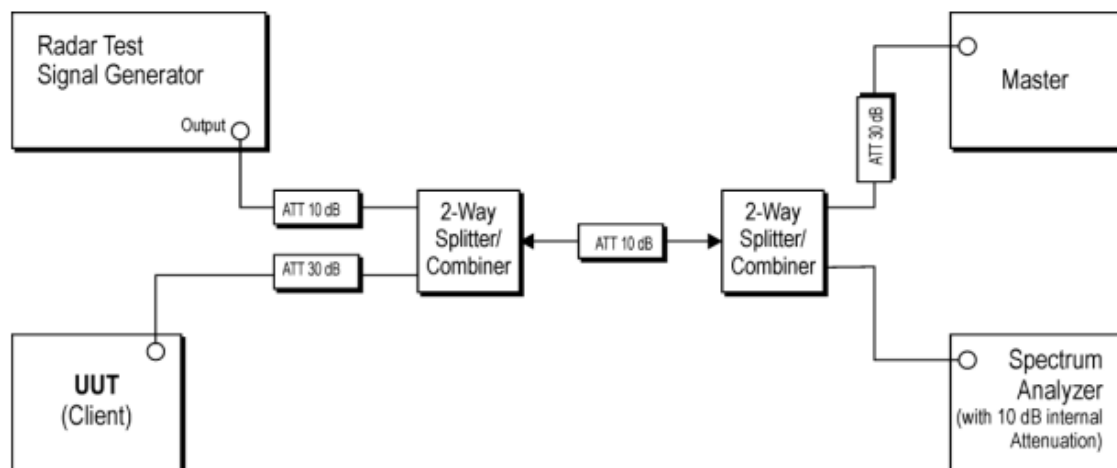
### Master Modes



### Client with injection at the Client Modes



### Client with injection at the Master Modes



## 2.6 DFS DETECTION THRESHOLDS FOR MASTER DEVICES AND CLIENT DEVICES WITH RADAR DETECTION

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                           | Value (See Notes 1, 2, and 3) |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                        | -64 dBm                       |
| EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                     | -62 dBm                       |
| EIRP < 200 milliwatt that do not meet the power spectral density requirement                                                                                                                                                                                                                                                                                                                                                                                     | -64 dBm                       |
| <p>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>Note3: EIRP is based on the highest antenna gain.</p> |                               |

The radar Detection Threshold, lowest antenna gain is the parameter of Interference radar DFS detection threshold, The Interference Detection Threshold is the ( -62dBm) + (-1) [dBi]+ 1 dB= -62 dBm.

### 3 REQUIREMENTS AND PARAMETERS FOR DFS TEST

#### 3.1 APPLICABILITY OF DFS REQUIREMENTS

EUT is client and operates as client without radar detection function.

**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                         |
| DFS Detection Threshold         | Yes              | Not required                   | Yes                         |
| Channel Availability Check Time | 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           | Client Without Radar Detection | Client With Radar Detection |
| DFS Detection Threshold           | Yes              | Not required                   | Yes                         |
| Channel Closing Transmission Time | Yes              | Yes                            | Yes                         |
| Channel Move Time                 | Yes              | Yes                            | Yes                         |
| U-NII Detection Bandwidth         | Yes              | Not required                   | Yes                         |
| Client Beacon Test                | N/A              | Yes                            | Yes                         |

| Additional requirements for devices<br>with multiple bandwidth modes                                                                                                                                                                                                                                                                           | Operational Mode                            |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                | Master or<br>Client With<br>Radar Detection | Client<br>Without Radar Detection                          |
| U-NII Detection Bandwidth and<br>Statistical Performance Check                                                                                                                                                                                                                                                                                 | All BW modes<br>must be tested              | Not required                                               |
| Channel Move Time and Channel<br>Closing Transmission Time                                                                                                                                                                                                                                                                                     | Test using widest BW mode<br>available      | Test using the widest<br>BW mode available<br>for the link |
| All other tests                                                                                                                                                                                                                                                                                                                                | Any single BW mode                          | Not required                                               |
| <b>Note</b><br>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. |                                             |                                                            |

### 3.2 DFS RESPONSE REQUIREMENT VALUES

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

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

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

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

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

### 3.3 SHORT PULSE RADAR TEST WAVEFORMS

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.

| Radar Type                                                                                                                           | Pulse Width (μsec) | PRI (μsec)       | Number of Pulses                                                                                                 | Minimum Percentage of Successful Detection | Minimum Trials |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------|
| 0                                                                                                                                    | 1                  | 1428             | 18                                                                                                               | 60%                                        | 30             |
| 1                                                                                                                                    | 1                  | Test A<br>Test B | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \right\}$ | 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. |                    |                  |                                                                                                                  |                                            |                |

Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a.

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

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

If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

### 3.4 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                       |

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

### 3.5 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                       |

For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

## 4 CALIBRATION SETUP AND DFS TEST RESULTS

### 4.1 CALIBRATION OF RADAR WAVEFORM

#### 4.1.1 RADAR WAVEFORM CALIBRATION PROCEDURE

The Interference **Radar Detection Threshold Level** is  $(-62\text{dBm}) + (-1) [\text{dBi}] + 1 \text{ dB} = -62\text{dBm}$  that had been taken into account the output power range and antenna gain. The following equipment setup was used to calibrate the radiated Radar Waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz to measure the type 0 radar waveform. Capture the spectrum analyzer plots on short pulse radar waveform.

#### 4.1.2 RADAR WAVEFORM CALIBRATION RESULT

Please Refer to Appendix Of this test report.

### 4.2 IN-SERVICE MONITORING: CHANNEL MOVE TIME, CHANNEL CLOSING TRANSMISSION TIME AND NON-OCCUPANCY PERIOD

#### 4.2.1 LIMIT OF IN-SERVICE MONITORING

The EUT has an In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate Channel changes (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel. The non-associated Client Beacon Test is during the 30 minutes observation time. The EUT should not make any transmissions in the DFS band after EUT powers up.

## 4.2.2 TEST PROCEDURES

1. The radar pulse generator is set up to provide a pulse at frequency that the Master and Client are operating. A type 0 radar pulse with a 1us pulse width and a 1428 us 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 -62dBm 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. A U-NII device operating as a Client Device will associate with the Master at Channel. The MPEG file "TestFile.mpg" specified by the FCC is streamed from the "file computer" through the Master to the Client Device and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
5. When a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. At time T0 the Radar Waveform generator sends a Burst of pulse of the radar waveform at Detection Threshold + 1dB.
6. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). One 12 second plot is reported for the Short Pulse Radar Types 1. The plot for the Short Pulse Radar Types starts at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
7. Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: **Dwell (1.3ms) = S (13000ms) / B (10000)**; where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: **C (ms) = N X Dwell (1.3 ms)**; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
8. Measure the EUT for more than 30 minutes following the channel move time to verify that no transmissions or beacons occur on this Channel.

#### **4.2.3 RESULT OF CHANNEL MOVE TIME, CHANNEL CLOSING TRANSMISSION TIME AND NON-OCCUPANCY PERIOD FOR CLIENT BEACON TEST RESULT**

Please Refer to Appendix Of this test report.

## 5 LIST OF MEASURING EQUIPMENT

| Instrument                                      | Manufacturer | Model No.  | Serial No. | Calibration Date | Due Date   | Remark    |
|-------------------------------------------------|--------------|------------|------------|------------------|------------|-----------|
| Spectrum Analyzer                               | KEYSIGHT     | N9010A-544 | MY54510355 | May. 10,23       | May. 09,24 | Conducted |
| MXG Analog Microwave Signal Generator (Blocker) | KEYSIGHT     | N5183A     | MY50143024 | Feb. 14,23       | Feb. 13,24 | Conducted |
| Signal Generator (Interferer)                   | KEYSIGHT     | N5182B     | MY56200114 | Feb. 14,23       | Feb. 13,24 | Conducted |
| Test Software                                   | JS1120-3     | 3.2.06     | N/A        | N/A              | N/A        | Conducted |

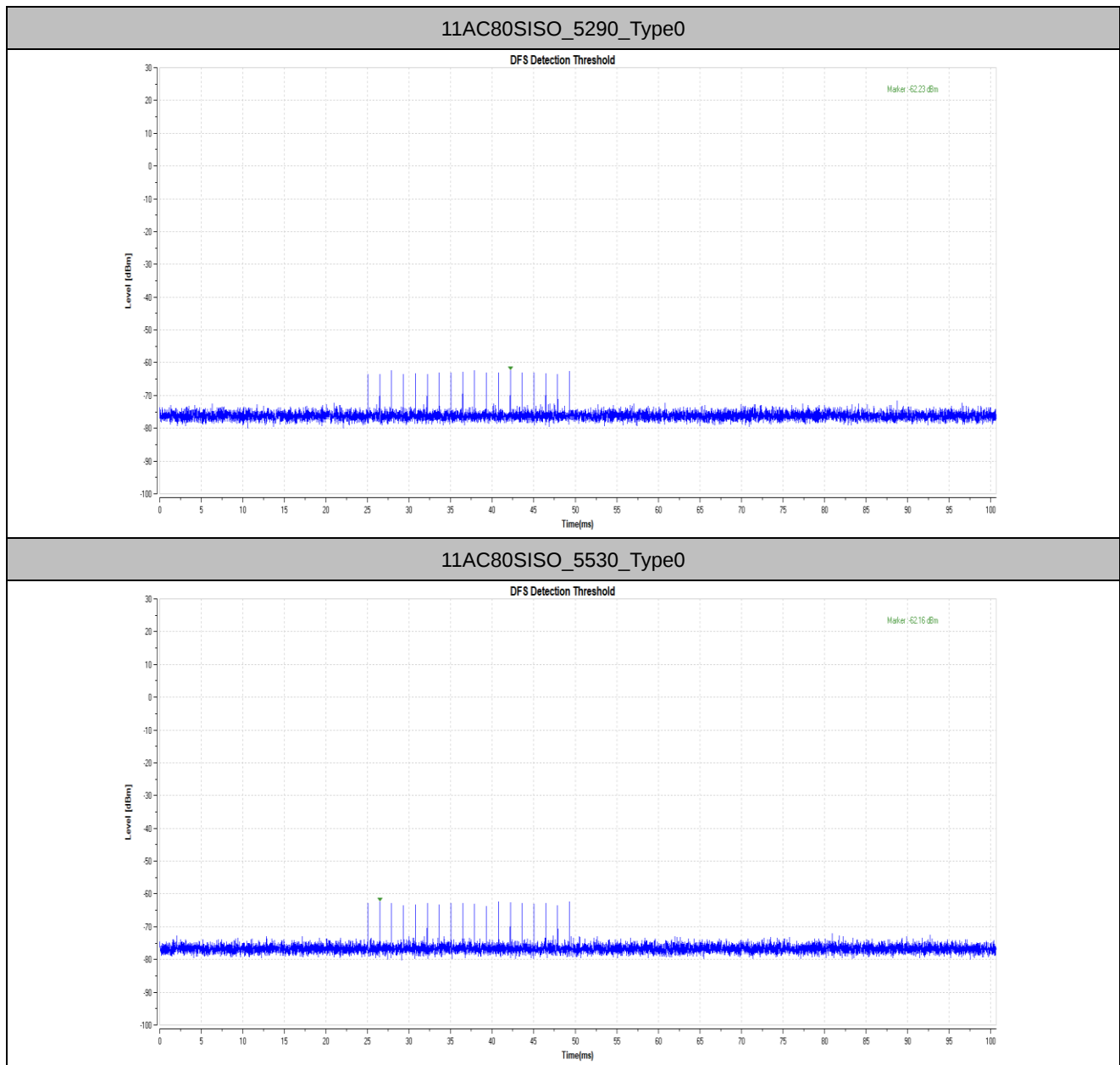
## APPENDIX

### DFS Detection Thresholds

#### Test Result

| TestMode   | Frequency[dbm] | Radar Type | Result | Limit[dbm] | Verdict |
|------------|----------------|------------|--------|------------|---------|
| 11AC80SISO | 5290           | Type0      | -62.23 | -62.00     | PASS    |
|            | 5530           | Type0      | -62.16 | -62.00     | PASS    |

## Test Graphs

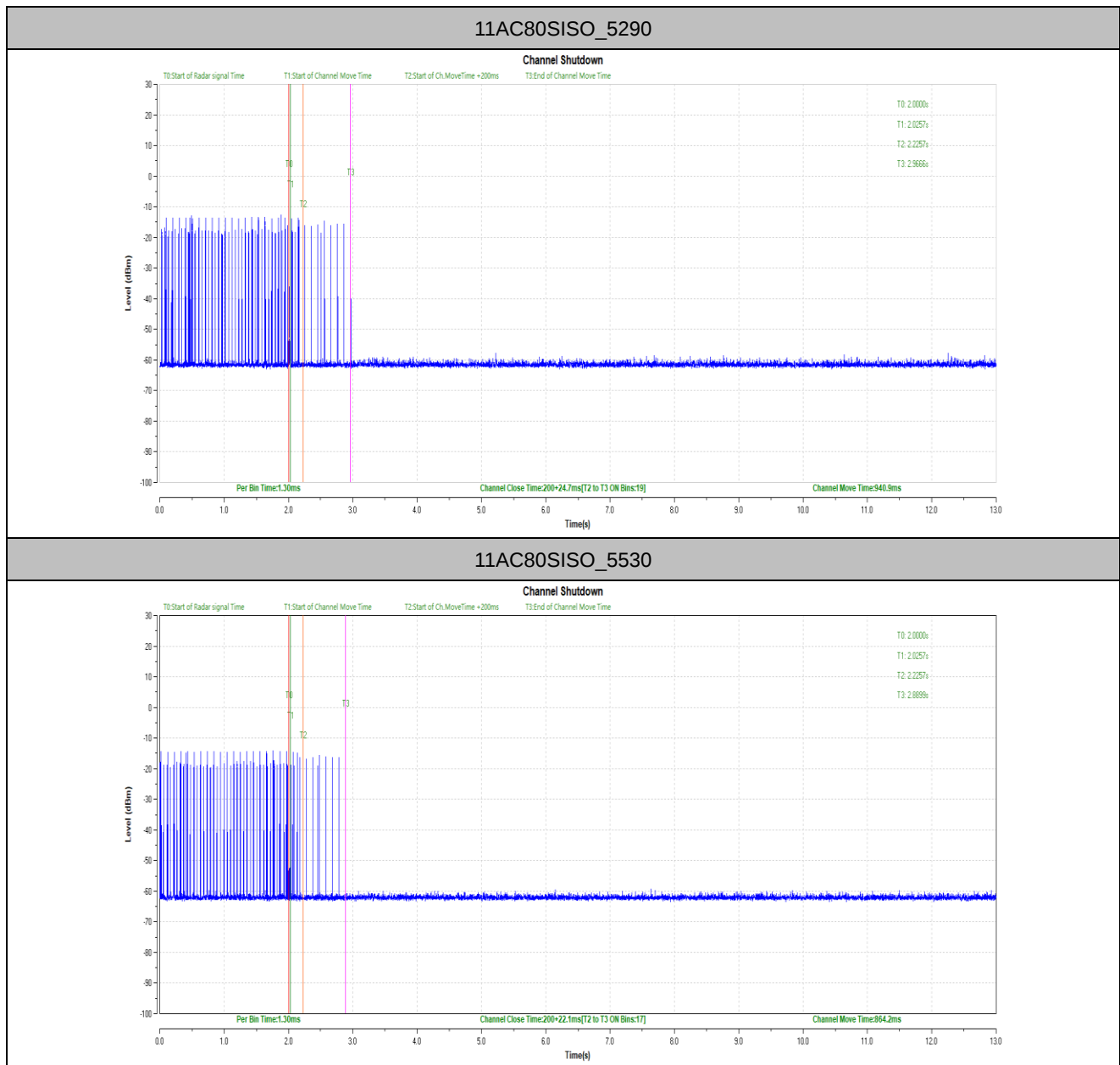


## Channel Move Time and Channel Closing Transmission Time

### Test Result

| TestMode   | Frequency[MHz] | CCTT[ms] | Limit[ms] | CMT[ms] | Limit[ms] | Verdict |
|------------|----------------|----------|-----------|---------|-----------|---------|
| 11AC80SISO | 5290           | 200+24.7 | 200+60    | 940.9   | 10000     | PASS    |
|            | 5530           | 200+22.1 | 200+60    | 864.2   | 10000     | PASS    |

## Test Graphs

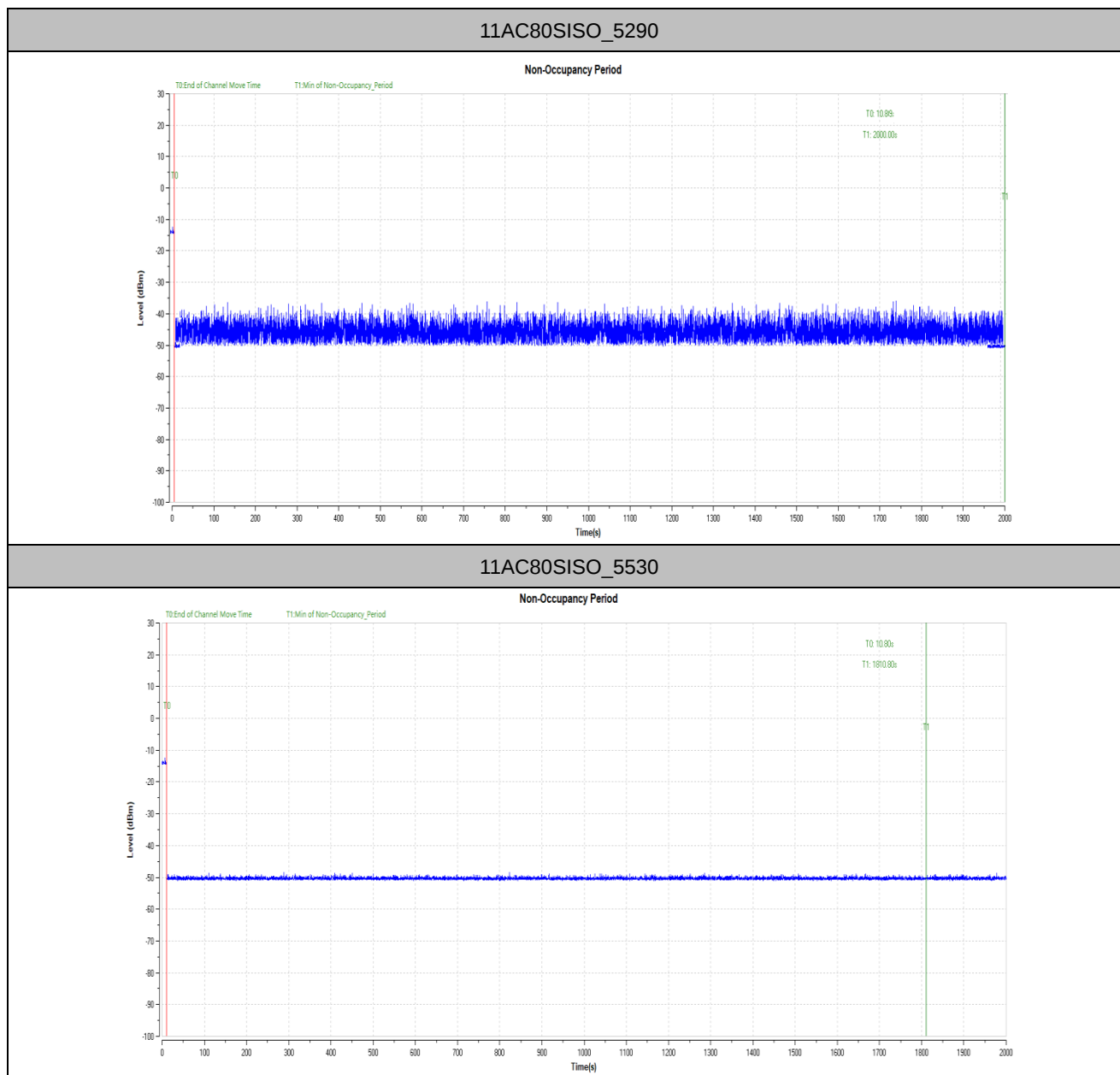


## Non-Occupancy Period

### Test Result

| TestMode   | Frequency[MHz] | Result         | Limit[s] | Verdict |
|------------|----------------|----------------|----------|---------|
| 11AC80SISO | 5290           | see test graph | ≥1800    | PASS    |
|            | 5530           | see test graph | ≥1800    | PASS    |

## Test Graphs



---END---