ACCREDITED
CERT#4344.01

# TEST REPORT

| | |
|---|---|
| **Applicant:** | Acer Incorporated |
| **Address:** | 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan |
| **Equipment Type:** | Tablet PC |
| **Model Name:** | A26008 (refer to section 2.3) |
| **Brand Name:** | acer |
| **Marketing Name:** | Iconia A14, A14-21***, Iconia X14, X14-21*** (The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank) |
| **FCC ID:** | HLZA26008 |
| **ISED Number:** | 1754F-A26008 |
| **Test Standard:** | 47 CFR Part 15 Subpart E<br>RSS-247 Issue 4<br>(refer to section 3.1) |
| **Sample Arrival Date:** | Jun. 25, 2026 |
| **Test Date:** | Jul. 03, 2026 - Jul. 20, 2026 |
| **Date of Issue:** | Sep. 10, 2026 |

**ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

**Tested by:** Julie Zhu **Checked by:** Li Ganming **Approved by:** Tolan Tu

(Testing Director)

Julie zhu Li Ganming Tolan Tu

**Revision History**

| Version | Issue Date | Revisions |
|---|---|---|
| Rev. 01 | Sep. 10, 2026 | Initial Issue |

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# 1 GENERAL INFORMATION

## 1.1 Test Laboratory

| | |
|---|---|
| Name | Shenzhen BALUN Technology Co., Ltd. |
| Address | 601, Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen |
| Phone Number | +86 755 6685 0100 |

## 1.2 Test Location

| | |
|---|---|
| Name | Shenzhen BALUN Technology Co., Ltd. |
| Location | ☐ Building 2, Intelligent Connected Vehicle Industrial Park, No.55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong |
| | ☑ 1/F., Building B, Ganghongji High-Tech Intelligent Industrial Park, No.1008, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong |
| Accreditation Certificate | The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030. |

# 2 PRODUCT INFORMATION

## 2.1 Applicant Information

| | |
|---|---|
| Applicant | Acer Incorporated |
| Address | 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan |

## 2.2 Manufacturer Information

| | |
|---|---|
| Manufacturer | Acer Incorporated |
| Address | 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221, Taiwan |

## 2.3 General Description for Equipment under Test (EUT)

| | |
|---|---|
| EUT Name | Tablet PC |
| Model Name Under Test | A26008 |
| Series Model Name | A26008***<br>(The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank) |
| Description of Model name differentiation | Only differences are model names for trading purpose.<br>(this information provided by the applicant) |
| Marketing Name | Iconia A14, A14-21***, Iconia X14, X14-21***<br>(The symbol "*" can be 0-9, a-z, A-Z, "(", ")", "-", "/", "\", "_" or blank) |
| Serial Number | MTK0002607131805470013 |
| Hardware Version | JF1086 UX1.1 (Tablet for mainboard model RC-JF1086(A14M2))<br>JF1092 UX1.0 (Tablet for mainboard model RC-JF1092(X14M2)) |
| Software Version | Android 16 |
| Dimensions (Approx.) | N/A |
| Weight (Approx.) | N/A |

## 2.4 Technical Information

| | |
|---|---|
| Network and Wireless connectivity | Bluetooth (BR+EDR+BLE)<br>WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac |

The requirement for the following technical information of the EUT was tested in this report:

| | |
|---|---|
| Frequency Range | 5250 MHz to 5350 MHz, 5470 MHz to 5725 MHz |
| Product Type | ☐ Mobile<br>☒ Portable<br>☐ Fix Location |
| Maximum Output Power | 5250 MHz to 5350 MHz: 30.34 mW<br>5470 MHz to 5725 MHz: 29.79 mW |
| Antenna Type | PIFA Antenna |
| Antenna Gain | 5250 MHz to 5350 MHz: -0.56 dBi<br>5470 MHz to 5725 MHz: -0.56 dBi |
| Note [1]: This device (Client) is without radar detection, then the 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.<br>Note [2]: The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual. | |

# 3 SUMMARY OF TEST RESULTS

## 3.1 Test Standards

| No. | Identity | Document Title |
|---|---|---|
| 1 | 47 CFR Part 15 Subpart E | Unlicensed National Information Infrastructure Devices |
| 2 | RSS-247 Issue 4 | Digital Transmission Systems,Frequency Hopping Systems and LicenceExempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands |
| 3 | KDB Publication 905462 D02v02 | UNII DFS Compliance Procedures New Rules |
| 4 | KDB Publication 905462 D03v01r02☆ | UNII Clients Without Radar Detection New Rules |
| 5 | KDB Publication 789033 D02v02r01☆ | Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E |
| 6 | ETSI EN 301 893 V2.2.1 (2024-11) | 5 GHz WAS/RLAN; Harmonised Standard for access to radio spectrum |

## 3.2 Test Verdict

| No. | Description | FCC Part No. | RSS Part No. | Verdict | Remark |
|---|---|---|---|---|---|
| 1 | Channel Move Time | 15.407 | RSS-247, 6.3 | Pass | Applicable |
| 2 | Channel Closing Transmission Time | 15.407 | RSS-247, 6.3 | Pass | Applicable |
| 3 | Non- Occupancy Period | 15.407 | RSS-247, 6.3 | Pass | Applicable |

## 3.3 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

| Parameters | Uncertainty |
|---|---|
| Occupied Channel Bandwidth | 2.8% |
| RF output power, conducted | 1.28 dB |
| Power Spectral Density, conducted | 1.30 dB |
| Unwanted Emissions, conducted | 1.84 dB |
| All emissions, radiated | 5.36 dB |
| Temperature | 0.8°C |
| Humidity | 4% |

# 4 GENERAL TEST CONFIGURATIONS

## 4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

| | | |
|---|---|---|
| Relative Humidity | 56% | |
| Atmospheric Pressure | 100 kPa to 102 kPa | |
| Temperature | NT (Normal Temperature) | +23.5℃ |
| Working Voltage of the EUT | NV (Normal Voltage) | 3.80 V |

## 4.2 Test Equipment List

| Description | Manufacturer | Model | Serial No. | Cal. Date | Cal. Due |
|---|---|---|---|---|---|
| Spectrum Analyzer | KEYSIGHT | N9020A | MY54420186 | 2026.05.11 | 2027.05.10 |
| Spectrum Analyzer | R&S | FSV40 | 101544 | 2025.10.30 | 2026.10.29 |
| Signal Generator | ROHDE&SCHWARZ | SMBV100A | 256011 | 2025.08.14 | 2026.08.13 |
| Signaling Unit | ROHDE&SCHWARZ | CMW500 | 157513 | 2025.10.31 | 2026.10.30 |
| Temperature Chamber | OK | OK-TH-100C | OK2022110401 | 2025.09.15 | 2026.09.14 |

| | | |
|---|---|---|
| Master | Access Point | |
| | Brand Name | TP-Link |
| | Model No. | Archer AX6000 |
| | Serial No. | 219BA29000505 |
| | FCC ID | TE7AX6000 |
| | SPEC. | The maximum EIRP is18.5dBm, Antenna Gain is 2.28dBi |

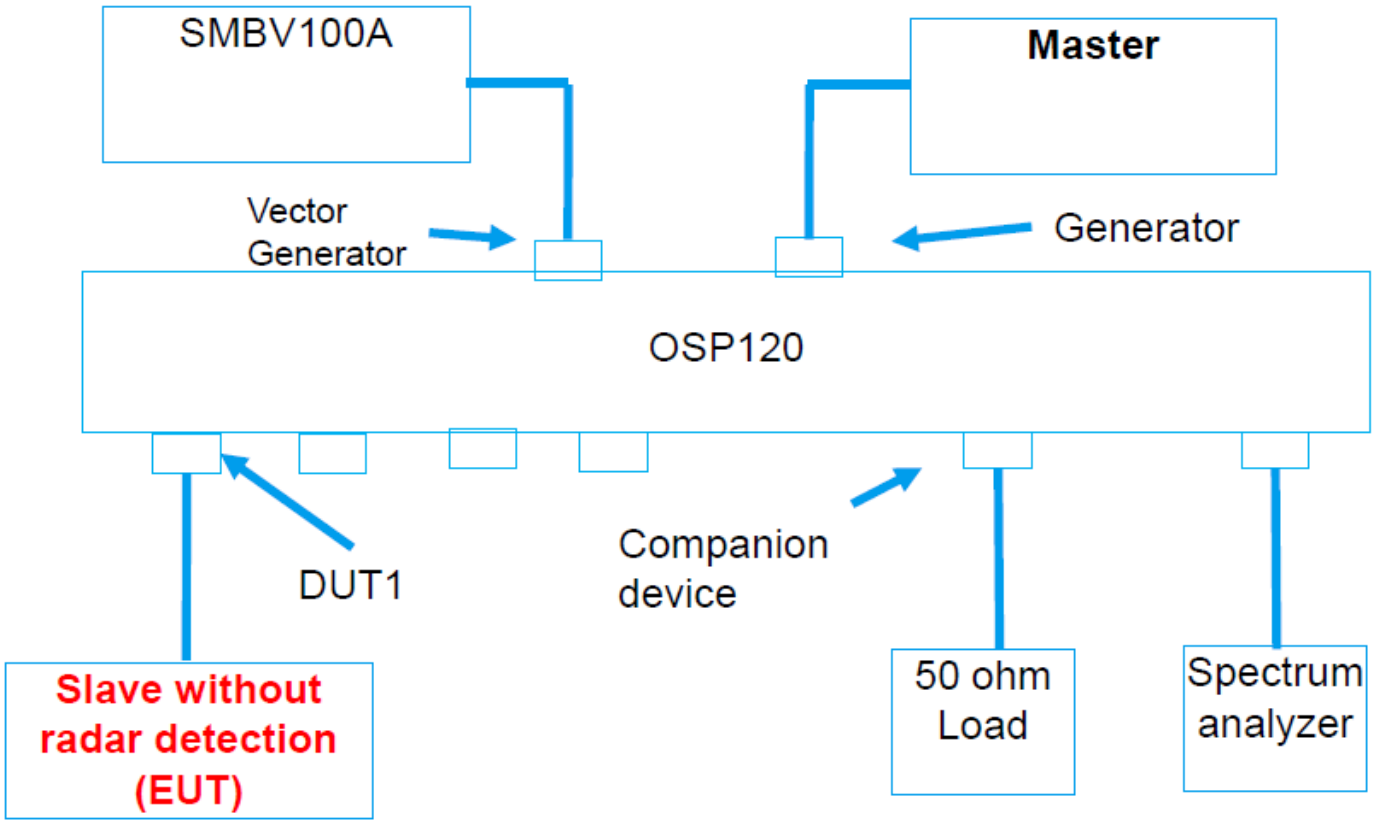
## 4.3 Test Software List

| Description | Manufacturer | Software Version | Serial No. | Applicable test Setup |
|---|---|---|---|---|
| BL410R | BALUN | V2.1.1.488 | N/A | The section 4.4.1 |

## 4.4 Description of Test Setup

### 4.4.1 Conducted Test Setup Configuration

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.

(Diagram 1)

# 5 TEST ITEMS

## 5.1 DFS

### 5.1.1 U-NII DFS Rule Requirements

#### 5.1.1.1 Working Mode and Required Test Items

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

APPLICABILITY OF DFS REQUIREMENTS PRIOR TO USE A CHANNEL

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

APPLICABILITY OF DFS REQUIREMENTS DURING NORMAL OPERATION

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

### 5.1.2 Test Limits and Radar Signal Parameters

Detection Thereshold Values

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

| Maximum Transmit Power | Value (See Note 1 & 2 & 3) |
|---|---|
| EIRP ≥ 200 milliwatt | -64 dBm |
| EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz | -62 dBm |
| EIRP < 200 milliwatt that do not meet the power spectral density requirement | -64 dBm |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

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 Note 1&2. |
| U-NII Detection Bandwidth | 100% of the UNII transmission 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 Waveform.
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 1 is used and 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.

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 | See Note |
| 1 | 1 | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a<br>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 | $\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$ | 60% | 30 |
| 2 | 1-5 | 150-230 | 23-29 | 60% | 30 |
| 3 | 6-10 | 200-500 | 16-18 | 60% | 30 |
| 4 | 11-20 | 200-500 | 12-16 | 60% | 30 |
| Aggregate (Radar Types 1-4) | | | | 80% | 120 |
| Note: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. | | | | | |

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 |

FREQUENCY HOPPING RADAR TEST WAVEFORM

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

### 5.1.2.1 Test Setup

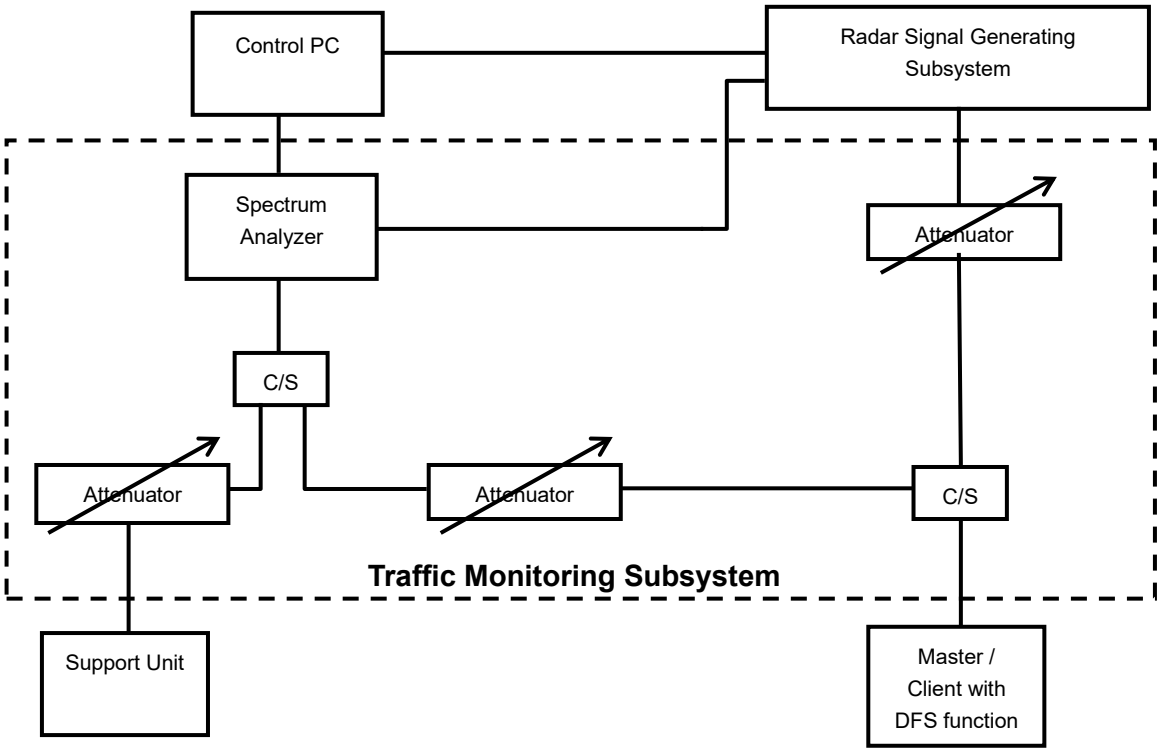
See 4.4 for test setup description for the radiated test. The photo of test setup please refer to ANNEX B.

### 5.1.2.2 Test Procedure

**DFS MEASUREMENT SYSTEM:**

A complete 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 6, 7 and 8. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

Conducted setup configuration of ADT DFS Measurement System

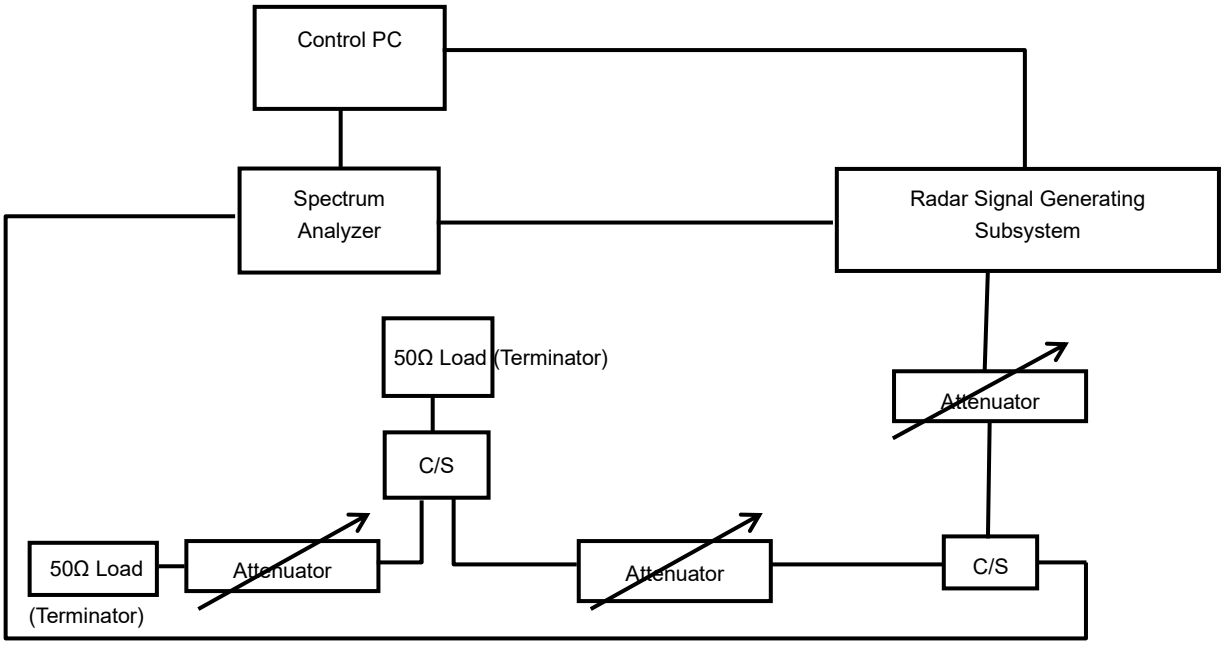



The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at: http://ntiacsd.ntia.doc.gov/dfs/.

**CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:**

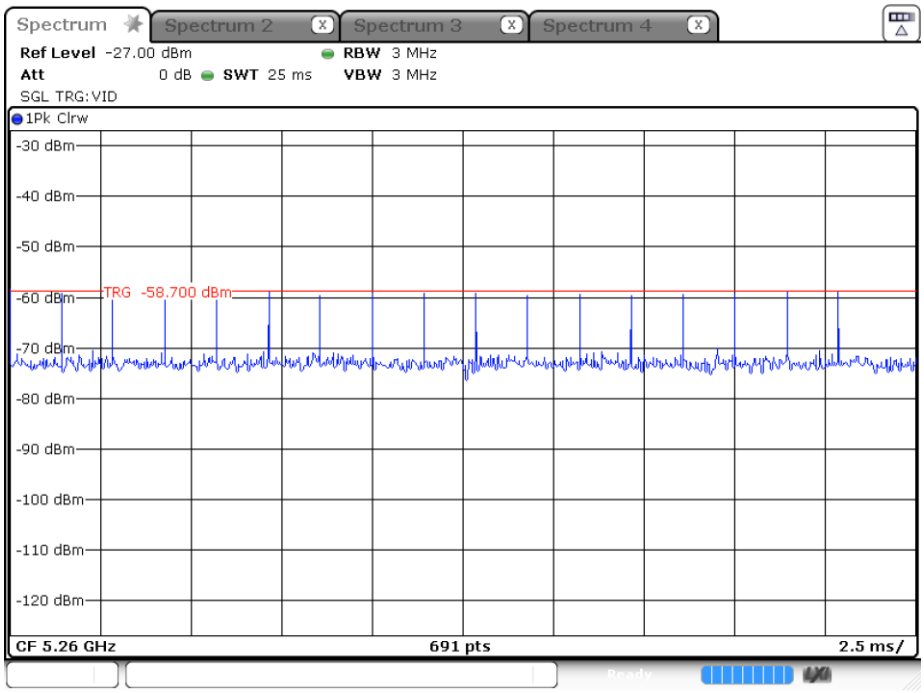
The measured channel is 5500 MHz in 20MHz Bandwidth and 5530MHz in 80MHz Bandwidth. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The Master antenna gain is 2.28dBi and required detection threshold is -58.72 dBm = (-62 +1 +2.28) dBm. The calibrated conducted detection threshold level is set to -58.72 dBm.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

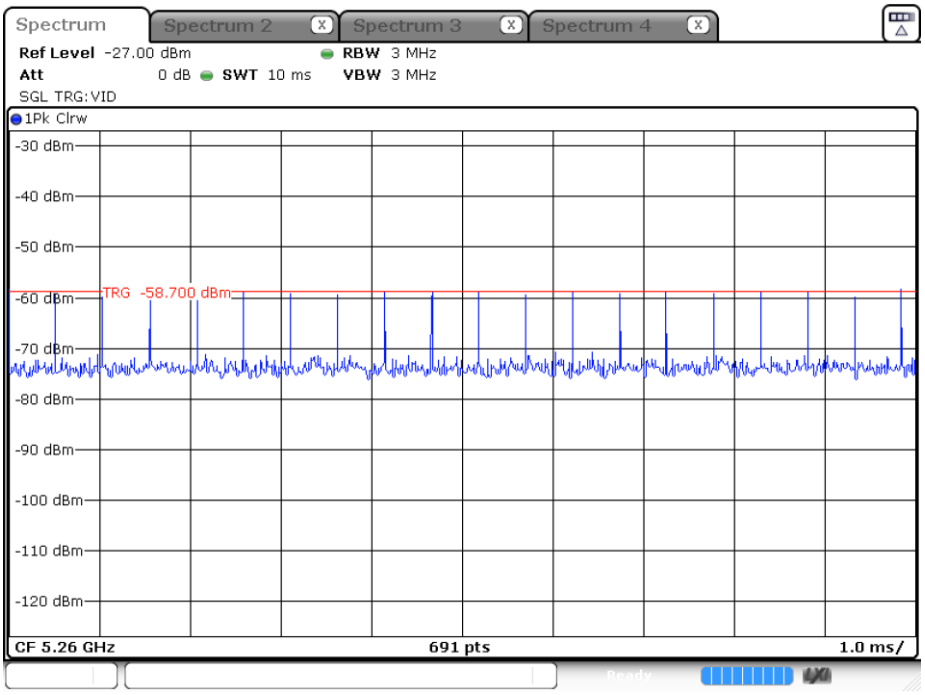


## Radar Waveform Calibration Result

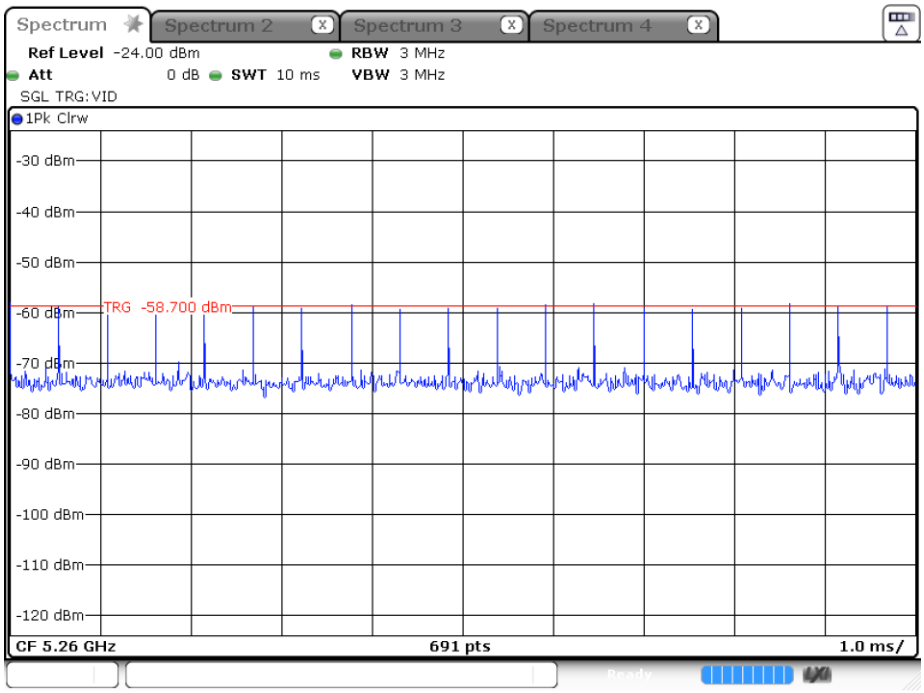
Radar Type 0 Calibration Plot (5260MHz)



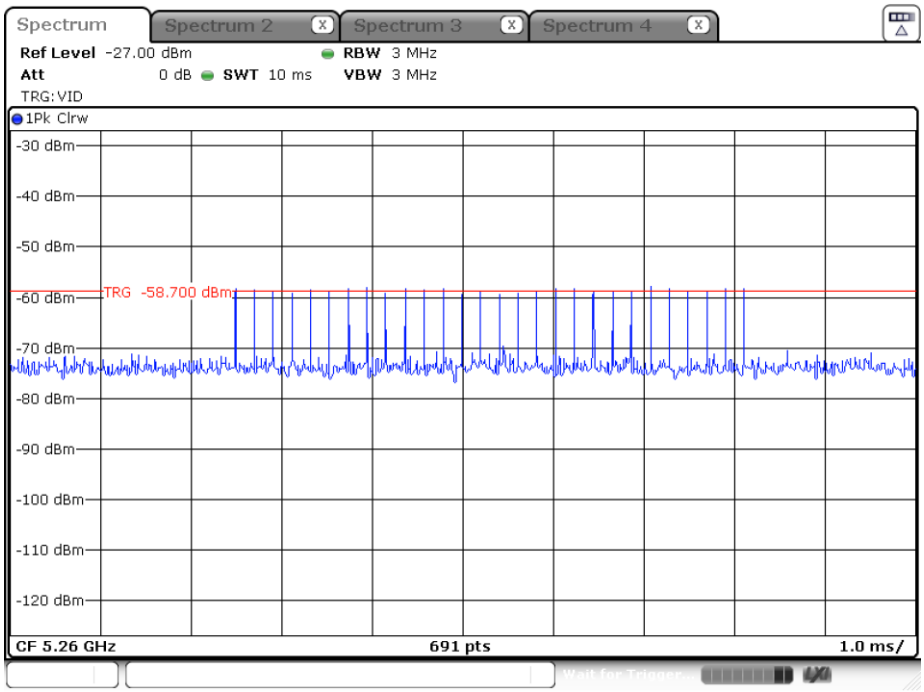

Radar Type 1 test A Calibration Plot (5260MHz)



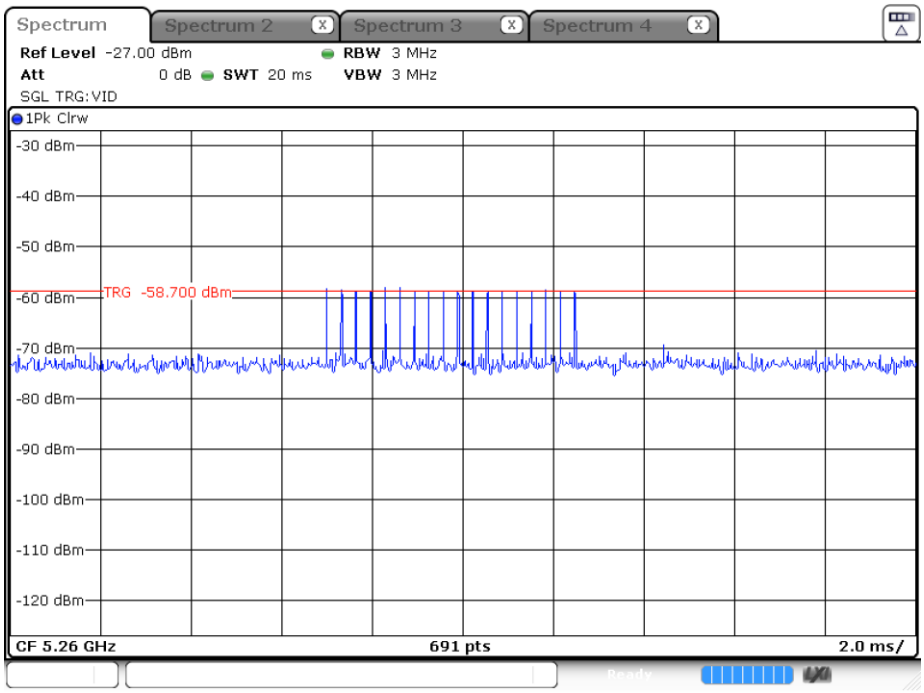
## Radar Type 1 test B Calibration Plot (5260MHz)



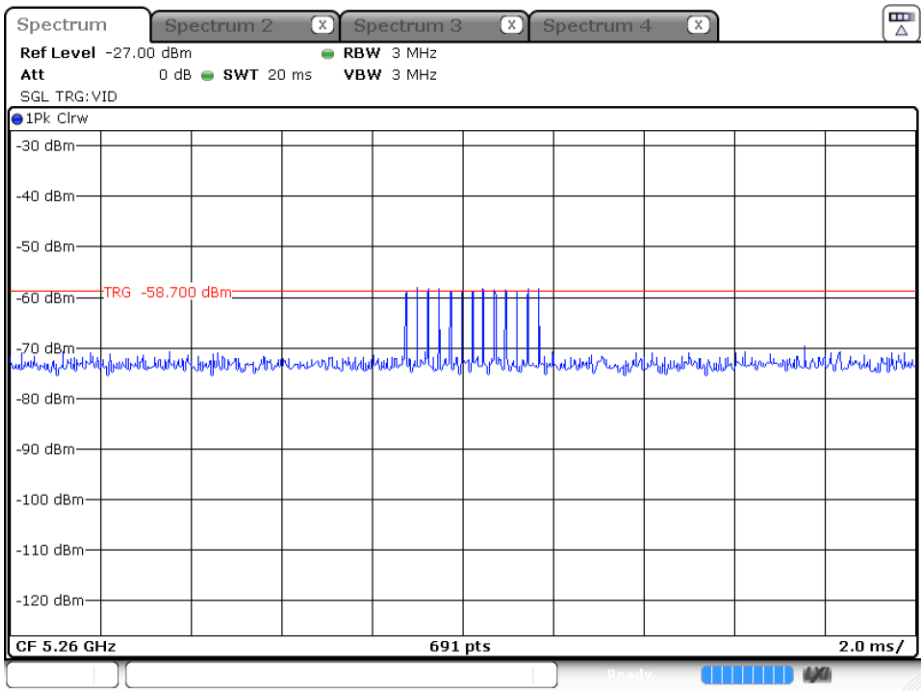

## Radar Type 2 Calibration Plot (5260MHz)



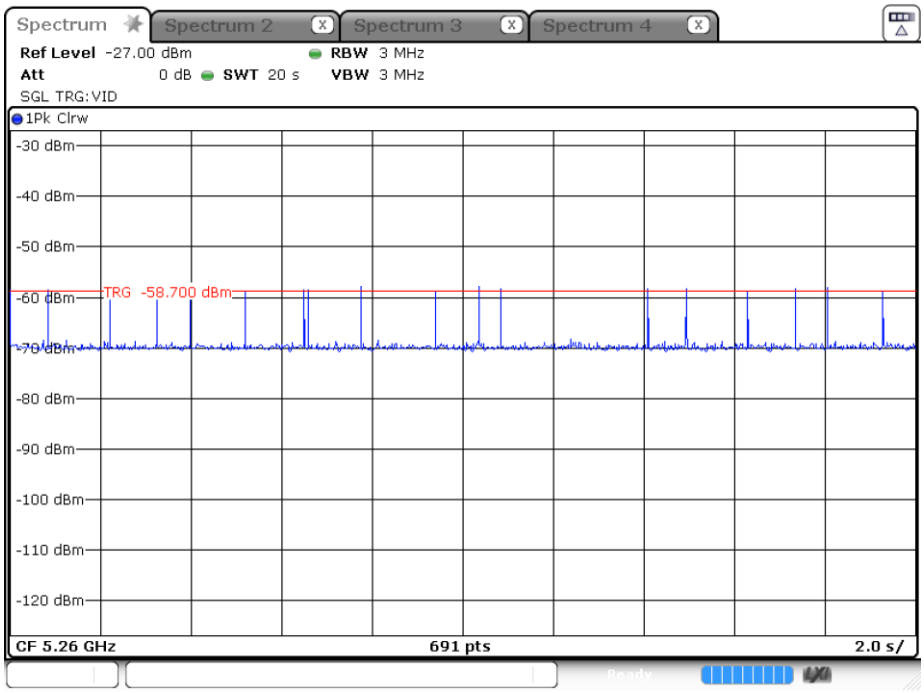
## Radar Type 3 Calibration Plot (5260MHz)



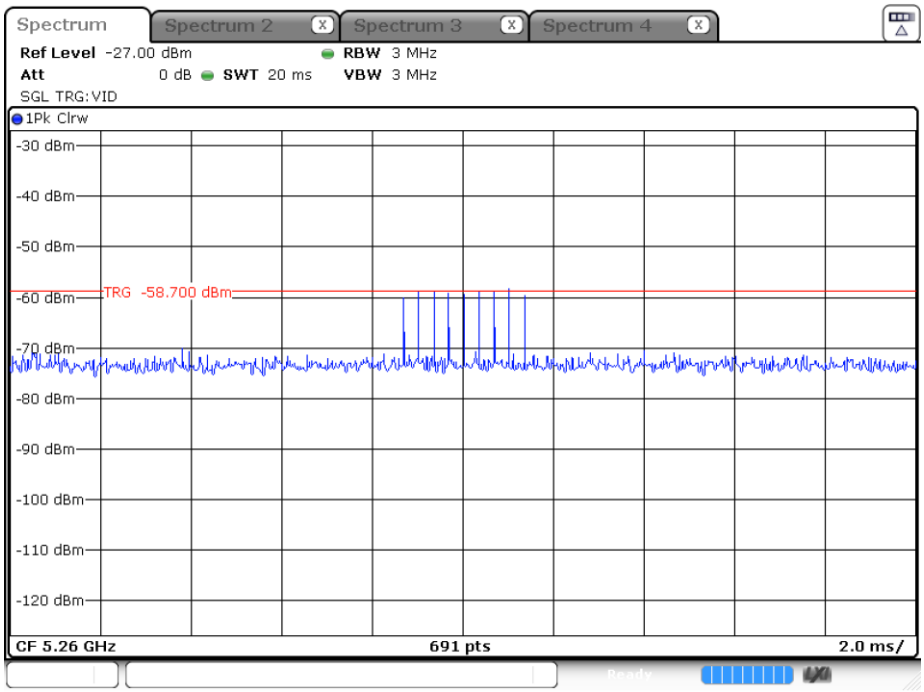

## Radar Type 4 Calibration Plot (5260MHz)



## Radar Type 5 Calibration Plot (5260MHz)




## Radar Type 6 Calibration Plot (5260MHz)



### 5.1.2.3 Test Result

Please refer to ANNEX A.

# ANNEX A TEST RESULT

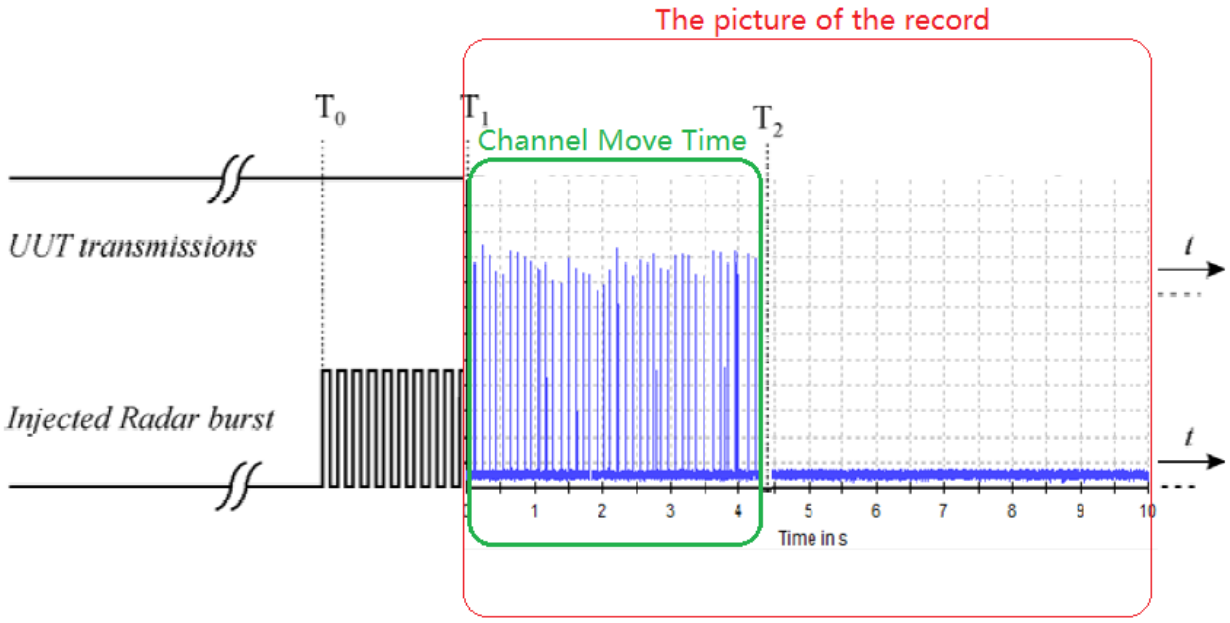
## A.1 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

Result of DFS Channel Shutdown

Note: The radar test signals are injected into the Master Device.

This test was investigated for different bandwidth (the lowest and the highest bandwidth).

| Description | Operation Mode | Operation Channel | Value (s) | Limit |
|---|---|---|---|---|
| Channel Move Time | 802.11a | 52 | 0.429 | 10 s |
| Channel Closing Transmission Time | 802.11a | 52 | 0.007 | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |
| Channel Move Time | 802.11a | 100 | 0.378 | 10 s |
| Channel Closing Transmission Time | 802.11a | 100 | 0.005 | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |
| Channel Move Time | 802.11ac (80 MHz) | 58 | 0.524 | 10 s |
| Channel Closing Transmission Time | 802.11ac (80 MHz) | 58 | 0.006 | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |
| Channel Move Time | 802.11ac (80 MHz) | 106 | 1.435 | 10 s |
| Channel Closing Transmission Time | 802.11ac (80 MHz) | 106 | 0.015 | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. |
| Channel Move Time | 802.11a | 120 | 0.985875 | 10 s |
| Channel Closing Transmission Time | 802.11a | 120 | 0.283500 | 1 s |
| Channel Move Time | 802.11ac (80 MHz) | 122 | 0.843375 | 10 s |
| Channel Closing Transmission Time | 802.11ac (80 MHz) | 122 | 0.096000 | 1 s |
| Test Verdict | Pass | | | |




T0 denotes DFS test signal start generated on the channel.

T1 denotes the end of the radar burst.

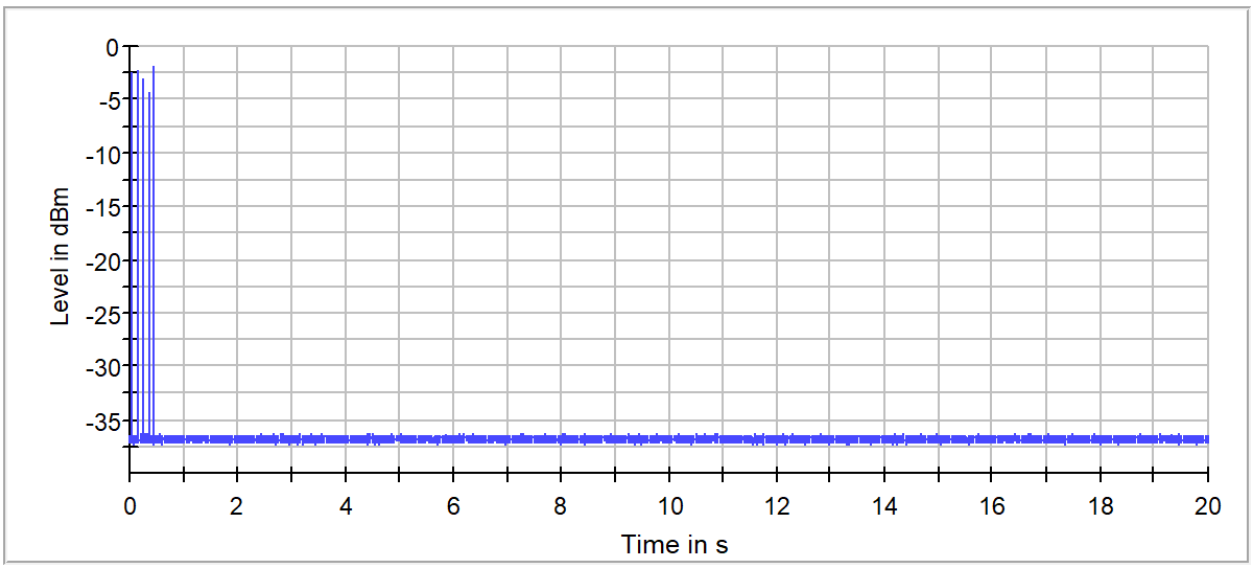
T2 denotes the instant when the UUT has ceased all transmissions on the channel.

The time difference between T1 and T2 shall be measured. This value *(Channel Move Time*) shall be noted and compared with the limit.

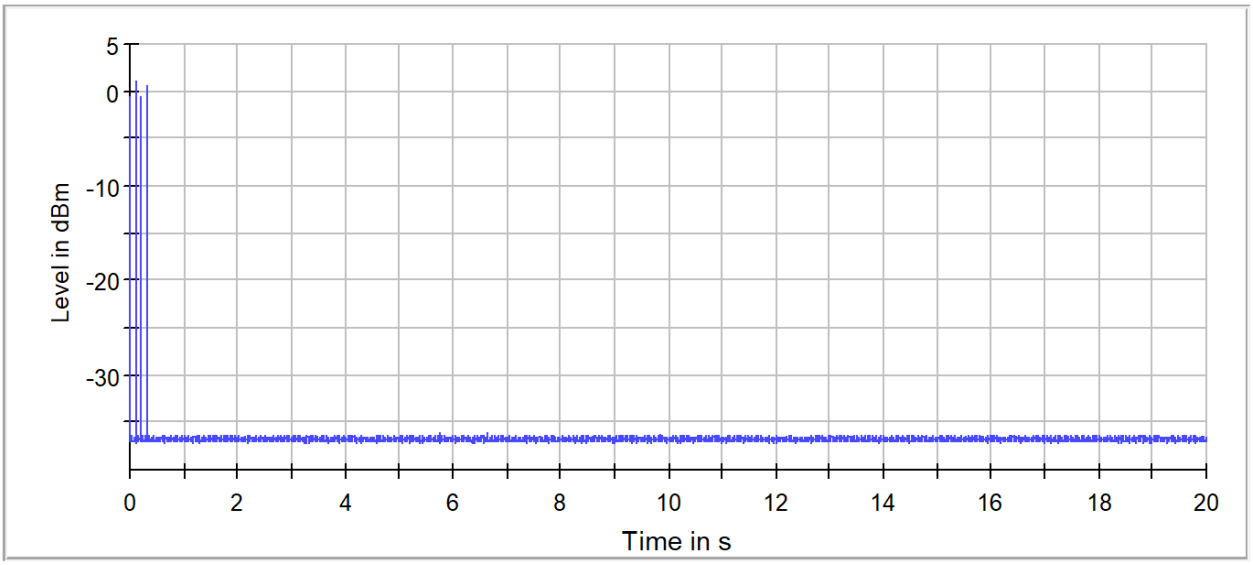
The aggregate duration (*Channel Closing Transmission Time)* of all transmissions from the UUT on Chr during the *Channel Move Time* shall be compared to the limit.

DFS Test schematic graphic

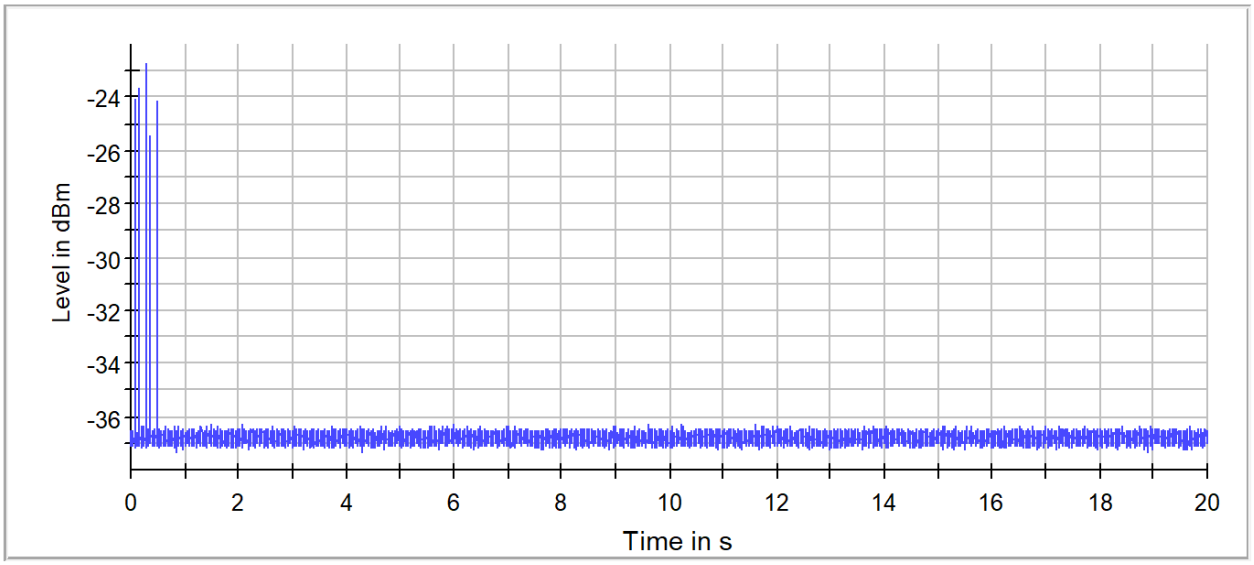
802.11a Channel 52



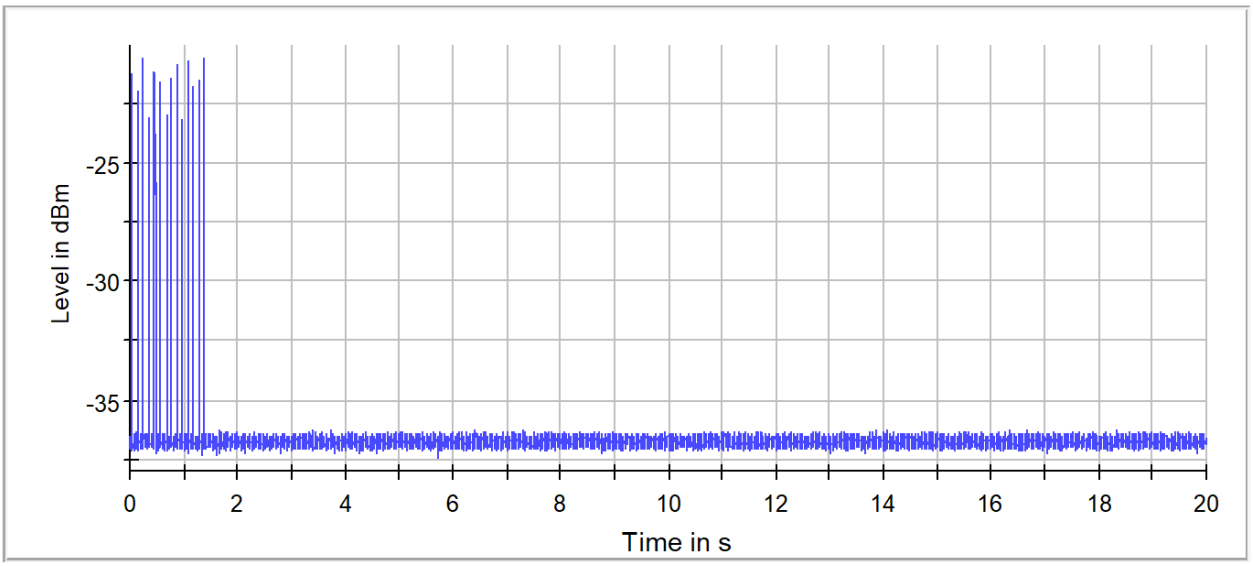

802.11a Channel 100



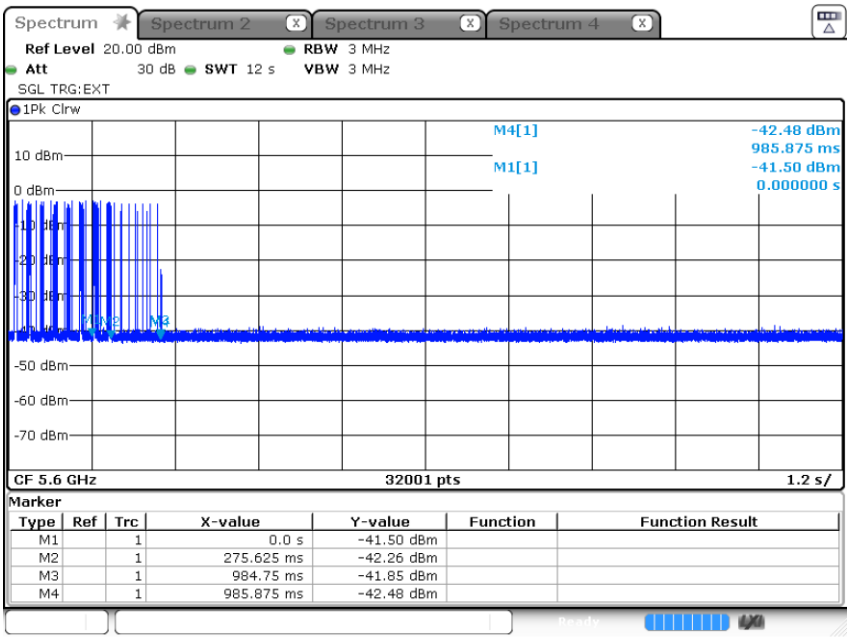
802.11ac(80 MHz) Channel 58




802.11ac(80 MHz) Channel 106

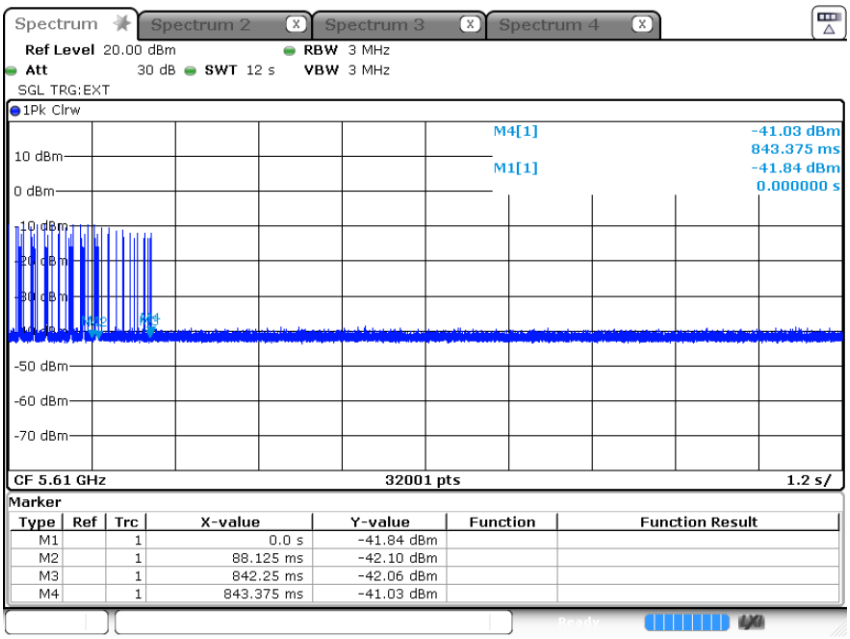


## 802.11a Channel 120




Date: 20.JUL.2026 14:00:02

## 802.11ac(80 MHz) Channel 122



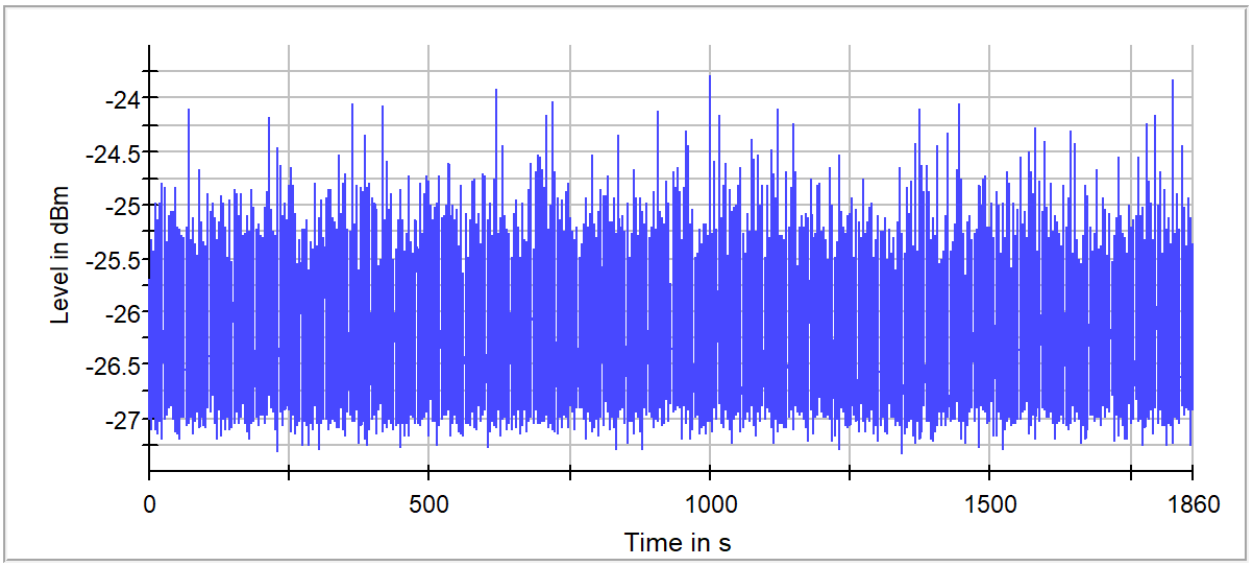

Date: 20.JUL.2026 14:08:32

## A.2 NON-OCCUPANCY PERIOD

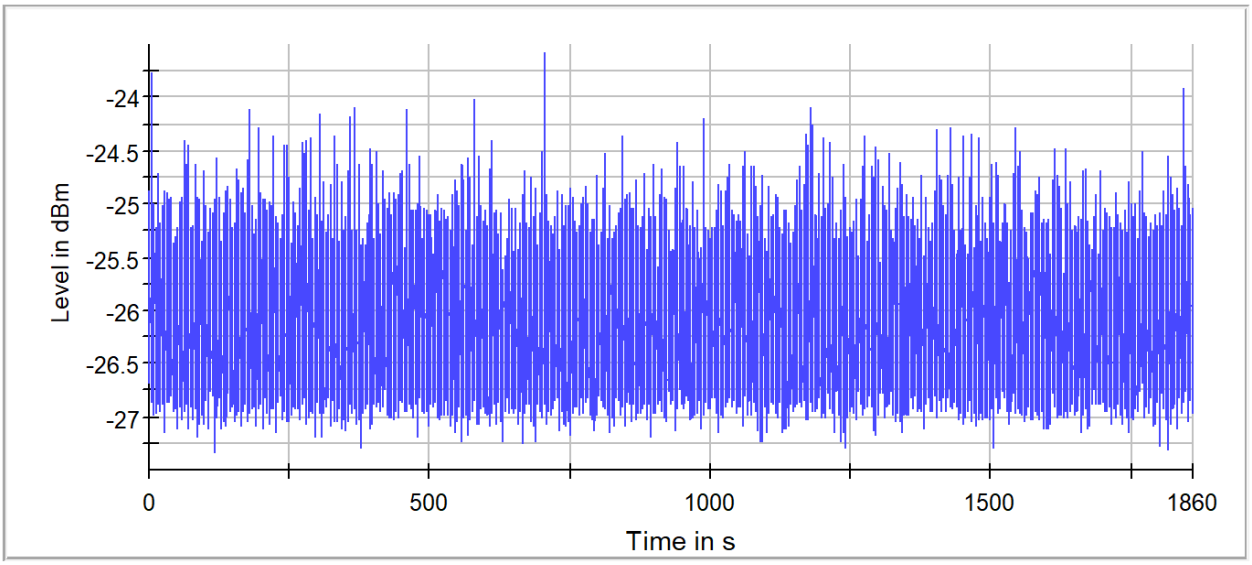
Master was off.

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

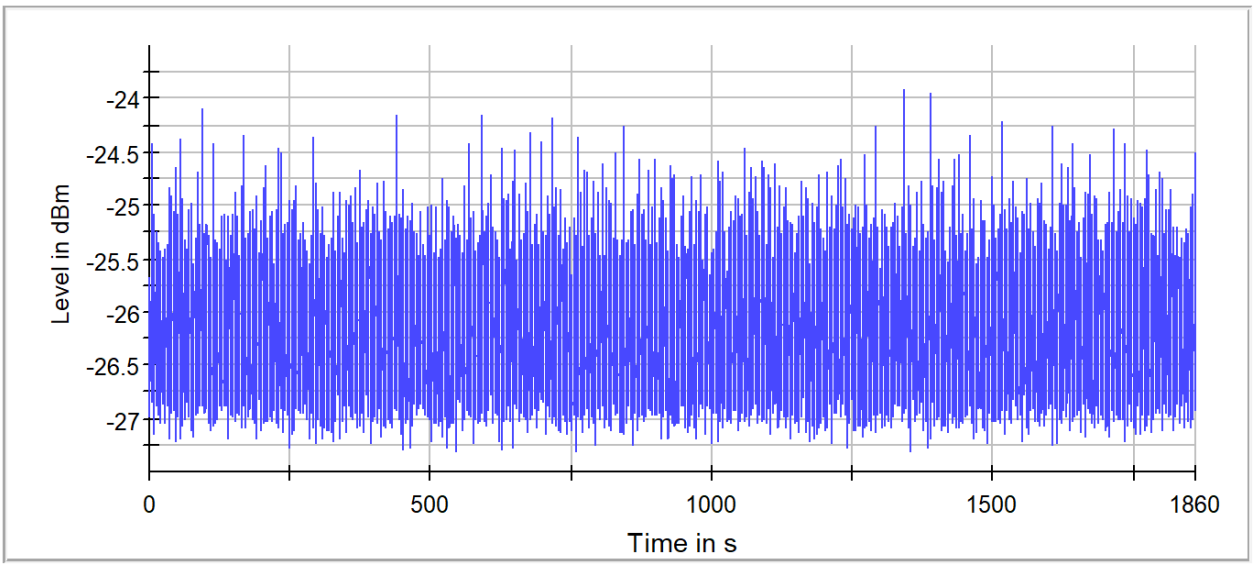
802.11a Channel 52



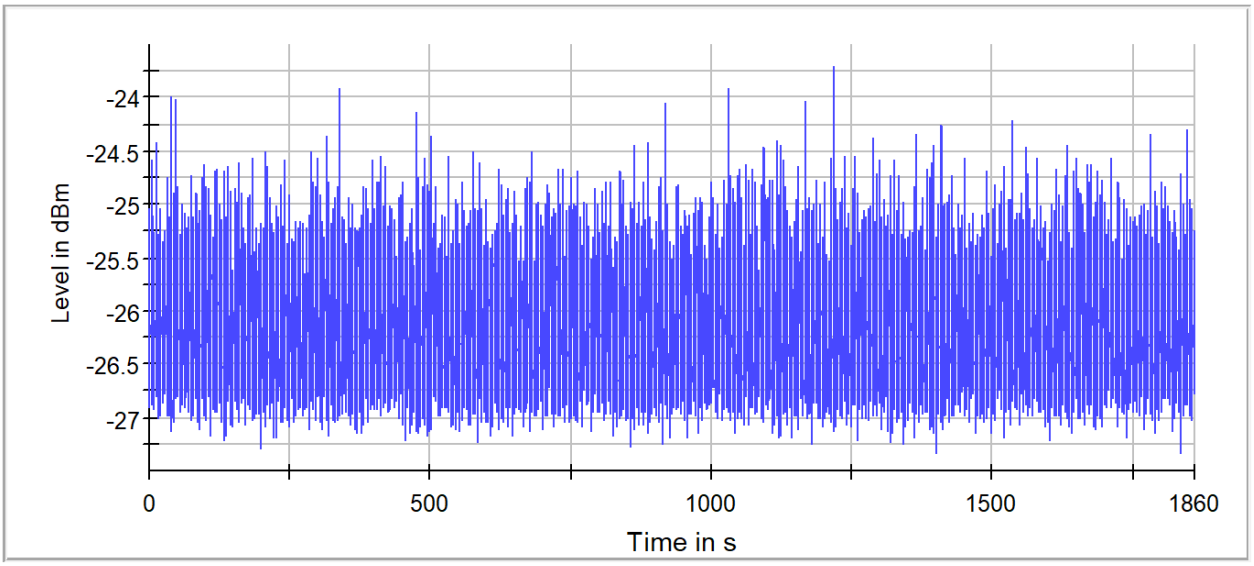

802.11a Channel 100



802.11ac(80 MHz) Channel 58




802.11ac(80 MHz) Channel 106



# ANNEX B TEST SETUP PHOTOS

Please refer the document “Ti-EE26060933-AR.PDF”.

# ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “Ti-EE26060933-AW-1.PDF”.

# ANNEX D EUT INTERNAL PHOTOS

Please refer the document “Ti-EE26060933-AI-1.PDF”.

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--END OF REPORT--