

## FCC PART 15.407

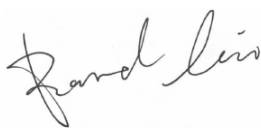
## TEST REPORT

For

### Hangzhou YuShu Technology Co., Ltd.

306 Room, Building 1, 88 Dongliu Rd, XiXing Street, Binjiang District, Hangzhou, Zhejiang, China

**FCC ID: 2A5PE-YUSHU008**

|                                        |                                                                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Type:</b><br>Original Report | <b>Product Name:</b><br>Humanoid robot                                                                                                                                                                                      |
| <b>Report Number:</b>                  | RKSA241202004-00F                                                                                                                                                                                                           |
| <b>Report Date:</b>                    | 2025-02-24                                                                                                                                                                                                                  |
| <b>Reviewed By:</b>                    | Bard Liu<br>                                                                                                                           |
| <b>Approved By:</b>                    | Kyle Xu<br>                                                                                                                             |
| <b>Test Laboratory:</b>                | Bay Area Compliance Laboratories Corp. (Kunshan)<br>No.248 Chenghu Road, Kunshan, Jiangsu province, China<br>Tel: +86-512-86175000<br>Fax: +86-512-88934268<br><a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a> |

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

| Number of Revisions | Report No.        | Version | Issue Date | Description     |
|---------------------|-------------------|---------|------------|-----------------|
| 0                   | RKSA241202004-00F | R1V1    | 2025-02-24 | Initial Release |

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

|                        |                                                                           |              |              |
|------------------------|---------------------------------------------------------------------------|--------------|--------------|
| Applicant:             | Hangzhou YuShu Technology Co., Ltd.                                       |              |              |
| Product Name:          | Humanoid robot                                                            |              |              |
| Tested Model:          | G1                                                                        |              |              |
| Power Supply:          | DC 46.8 V from battery                                                    |              |              |
| RF Function:           | WIFI                                                                      |              |              |
| Operating Frequency:   | 5G Wi-Fi B2: 5260~5320 MHz, B3: 5500~5720 MHz                             |              |              |
| Maximum Output Power:  | Mode:                                                                     | 5G Wi-Fi B2: | 5G Wi-Fi B3: |
|                        | 802.11a:                                                                  | 18.12dBm     | 18.51 dBm    |
|                        | 802.11ac20:                                                               | 18.15 dBm    | 18.08 dBm    |
|                        | 802.11ac40:                                                               | 18.72 dBm    | 16.9 dBm     |
|                        | 802.11ac80:                                                               | 14.45 dBm    | 14.3 dBm     |
|                        | 802.11ax20:                                                               | 18.21 dBm    | 19.02 dBm    |
|                        | 802.11ax40:                                                               | 18.65 dBm    | 17.38 dBm    |
|                        | 802.11ax80:                                                               | 14.46 dBm    | 14.06 dBm    |
| Channel Number:        | 5G Wi-Fi B2: 7, B3: 21                                                    |              |              |
| Channel Separation:    | 802.11a/ac/n/ax20: 20 MHz, 802.11ac/n/ax40: 40 MHz, 802.11ac/ax80: 80 MHz |              |              |
| Modulation Type:       | OFDM, OFDMA                                                               |              |              |
| Antenna Type:          | Chip Antenna                                                              |              |              |
| ★Maximum Antenna Gain: | 4.2 dBi                                                                   |              |              |

*Note: The maximum antenna gain was provided by the applicant.*

*All measurement and test data in this report was gathered from production sample serial number: RKSA241202004-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-12-02.)*

### Objective

This type approval report is prepared for *Hangzhou YuShu Technology Co., Ltd.* in accordance with

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts E of the Federal Communications Commission's rules.

The objective is to determine compliance with FCC Part 15, Subpart E, section 15.407 Dynamic Frequency Selection (DFS) for devices operating in the bands 5250-5350 MHz, 5470-5725 MHz.

**Test Methodology**

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.  
Each test item follows test standards and with no deviation.

**Measurement Uncertainty**

| Item               | Uncertainty |
|--------------------|-------------|
| Occupied Bandwidth | 0.5kHz      |
| Temperature        | 1.0°C       |
| Humidity           | 6%          |

**Test Facility**

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

## SYSTEM TEST CONFIGURATION

### Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

### Equipment Modifications

No modifications were made to the EUT.

### EUT Exercise Software

No exercise software was used to test.

The worst case was performed under:

### Support Equipment List and Details

| Manufacturer | Description  | Model                     | Serial Number   |
|--------------|--------------|---------------------------|-----------------|
| Lenovo       | Notebook     | Y700P                     | PF2B7PL5        |
| ZHAOXIN      | DC Source    | RXN-605D                  | 21R605D08132677 |
| Ruckus       | Access Point | T300<br>(FCC ID: S9GT300) | 211404000213    |

### External I/O Cable

| Cable Description | Length(m) | From Port | To Port      |
|-------------------|-----------|-----------|--------------|
| RJ45              | 2.0       | Notebook  | Access Point |

## SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

| Items                          | Description of Test                           | Result                      |
|--------------------------------|-----------------------------------------------|-----------------------------|
| Detection Bandwidth            | UNII Detection Bandwidth                      | Not Applicable (See Note 1) |
| Performance Requirements Check | Initial Channel Availability Check Time (CAC) | Not Applicable (See Note 1) |
|                                | Radar Burst at the Beginning of the CAC       | Not Applicable (See Note 1) |
|                                | Radar Burst at the End of the CAC             | Not Applicable (See Note 1) |
| In-Service Monitoring          | Channel Move Time                             | Compliant                   |
|                                | Channel Closing Transmission Time             | Compliant                   |
|                                | Non-Occupancy Period                          | Compliant                   |
| Radar Detection                | Statistical Performance Check                 | Not Applicable (See Note 1) |

Note 1: EUT is a client without radar detection.

**Test Equipment List and Details**

| Manufacturer         | Description             | Model    | Serial Number   | Calibration Date | Calibration Due Date |
|----------------------|-------------------------|----------|-----------------|------------------|----------------------|
| Rohde & Schwarz      | SIGNAL ANALYZER         | FSV40    | 101116          | 2024-04-24       | 2025-04-23           |
| Rohde & Schwarz      | VECTOR SIGNAL GENERATOR | SMBV100A | 261558          | 2024-04-25       | 2025-04-24           |
| Tonscend Corporation | RF Control Unit         | JS0806-2 | JS0806001       | 2024-04-24       | 2025-04-23           |
| Tonscend Corporation | RF Test System          | JS1120-3 | N/A             | N/A              | N/A                  |
| ZHAOXIN              | DC Source               | RXN-605D | 21R605D08132677 | N/A              | N/A                  |

**Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

## APPLICABLE STANDARDS

### DFS Requirement

CFR § 47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

**Table 1: Applicability of DFS Requirements Prior to Use of a Channel**

| Requirement                            | Operational Mode |                                |                             |
|----------------------------------------|------------------|--------------------------------|-----------------------------|
|                                        | Master           | Client Without Radar Detection | Client With Radar Detection |
| <i>Non-Occupancy Period</i>            | Yes              | Not required                   | Yes                         |
| <i>DFS Detection Threshold</i>         | Yes              | Not required                   | Yes                         |
| <i>Channel Availability Check Time</i> | Yes              | Not required                   | Not required                |
| <i>U-NII Detection Bandwidth</i>       | 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 |
| <i>DFS Detection Threshold</i>           | Yes                                          | Not required                   |
| <i>Channel Closing Transmission Time</i> | Yes                                          | Yes                            |
| <i>Channel Move Time</i>                 | Yes                                          | Yes                            |
| <i>U-NII Detection Bandwidth</i>         | Yes                                          | Not required                   |

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

**Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection**

| Maximum Transmit Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the power spectral<br>density requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -64 dBm                          |
| <p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p><b>Note 2:</b> 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><b>Note3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p> |                                  |

**Table 4: 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<br>See Note 1.                                                                                             |
| <i>Channel Closing Transmission Time</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200 milliseconds + an<br>aggregate of 60<br>milliseconds over<br>remaining 10 second<br>period.<br>See Notes 1 and 2. |
| <i>U-NII Detection Bandwidth</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Minimum 100% of the U-<br>NII 99% transmission<br>power bandwidth. See<br>Note 3.                                     |
| <p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> 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><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> 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> |                                                                                                                       |

**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                                                                     | Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{SEC}}} \right) \right\}$ | 60%                                        | 30                       |
|                                                                                                                                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                               |                                            |                          |
| 2                                                                                                                                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                         | 60%                                        | 30                       |
| 3                                                                                                                                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                         | 60%                                        | 30                       |
| 4                                                                                                                                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                         | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                                 |                    |                                                                                                                                                               |                                                                                                                               | 80%                                        | 120                      |
| <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. |                    |                                                                                                                                                               |                                                                                                                               |                                            |                          |

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. 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.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 usec is selected, the number of pulses

would be  $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{3066} \right) \right\} = \text{Roundup} \{17.2\} = 18.$

**Table 5a - Pulse Repetition Intervals Values for Test A**

| <b>Pulse Repetition Frequency Number</b> | <b>Pulse Repetition Frequency (Pulses Per Second)</b> | <b>Pulse Repetition Interval (Microseconds)</b> |
|------------------------------------------|-------------------------------------------------------|-------------------------------------------------|
| 1                                        | 1930.5                                                | 518                                             |
| 2                                        | 1858.7                                                | 538                                             |
| 3                                        | 1792.1                                                | 558                                             |
| 4                                        | 1730.1                                                | 578                                             |
| 5                                        | 1672.2                                                | 598                                             |
| 6                                        | 1618.1                                                | 618                                             |
| 7                                        | 1567.4                                                | 638                                             |
| 8                                        | 1519.8                                                | 658                                             |
| 9                                        | 1474.9                                                | 678                                             |
| 10                                       | 1432.7                                                | 698                                             |
| 11                                       | 1392.8                                                | 718                                             |
| 12                                       | 1355                                                  | 738                                             |
| 13                                       | 1319.3                                                | 758                                             |
| 14                                       | 1285.3                                                | 778                                             |
| 15                                       | 1253.1                                                | 798                                             |
| 16                                       | 1222.5                                                | 818                                             |
| 17                                       | 1193.3                                                | 838                                             |
| 18                                       | 1165.6                                                | 858                                             |
| 19                                       | 1139                                                  | 878                                             |
| 20                                       | 1113.6                                                | 898                                             |
| 21                                       | 1089.3                                                | 918                                             |
| 22                                       | 1066.1                                                | 938                                             |
| 23                                       | 326.2                                                 | 3066                                            |

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

| <b>Radar Type</b>                                    | <b>Number of Trials</b> | <b>Number of Successful Detections</b> | <b>Minimum Percentage of Successful Detection</b> |
|------------------------------------------------------|-------------------------|----------------------------------------|---------------------------------------------------|
| 1                                                    | 35                      | 29                                     | 82.9%                                             |
| 2                                                    | 30                      | 18                                     | 60%                                               |
| 3                                                    | 30                      | 27                                     | 90%                                               |
| 4                                                    | 50                      | 44                                     | 88%                                               |
| Aggregate $(82.9\% + 60\% + 90\% + 88\%)/4 = 80.2\%$ |                         |                                        |                                                   |

**Table 6 – Long Pulse Radar Test Waveform**

| Radar Type | Pulse Width ( $\mu$ sec) | Chirp Width (MHz) | PRI ( $\mu$ sec) | 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 – Frequency Hopping Radar Test Waveform**

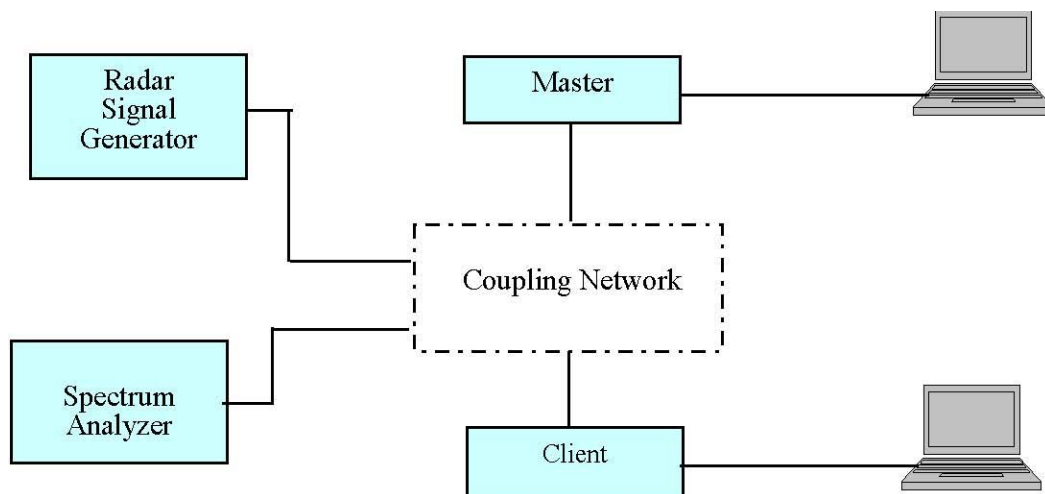
| Radar Type | Pulse Width ( $\mu$ sec) | PRI ( $\mu$ sec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|------------|--------------------------|------------------|----------------|--------------------|--------------------------------|-----------------------------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

### DFS Measurement System

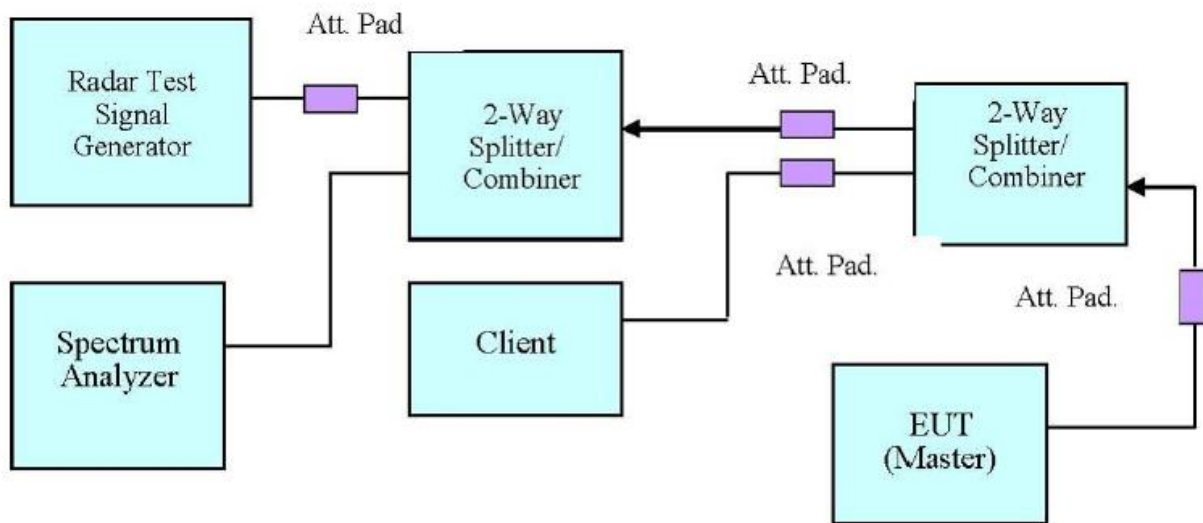
DFS measurement system consists of two subsystems:

- (1) The radar signal generating subsystem and
- (2) The traffic monitoring subsystem.

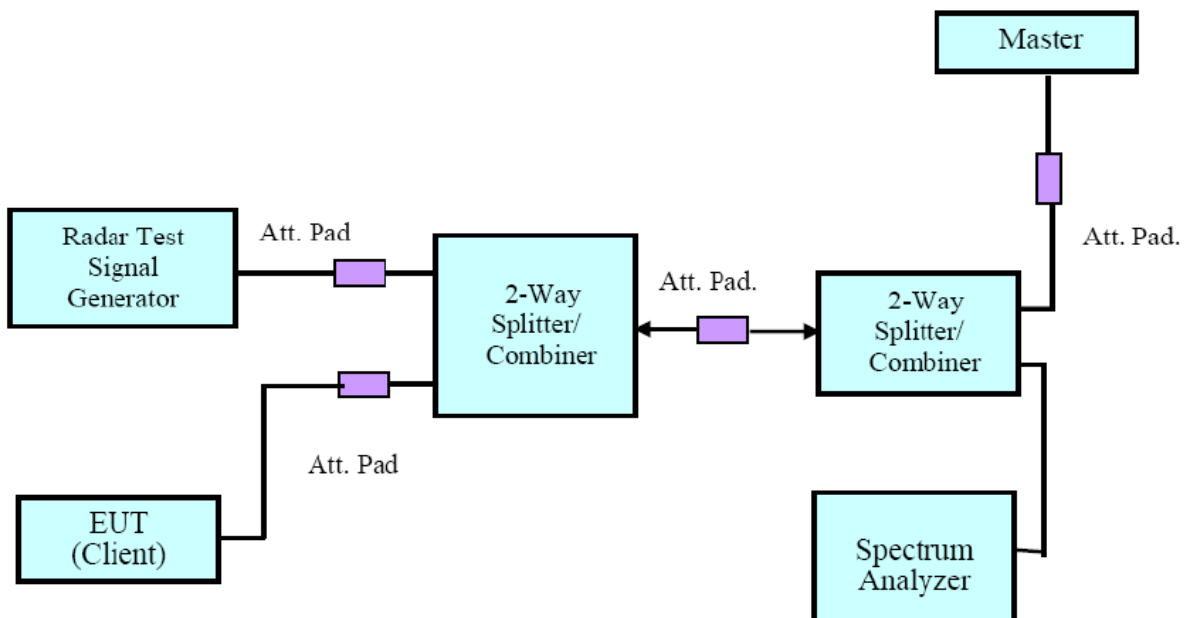
### System Block Diagram



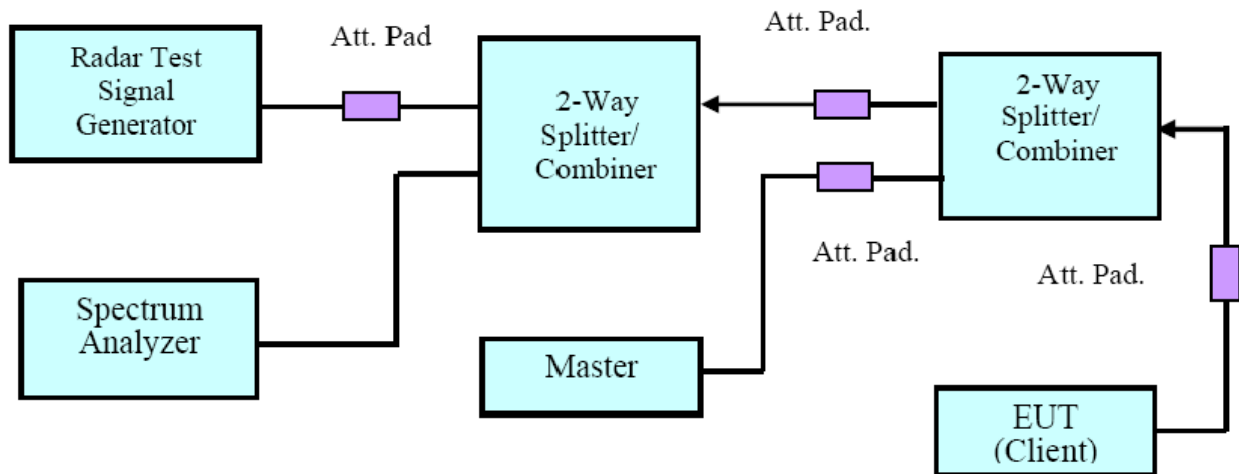
## Conducted Method



**Setup for Master with injection at the Master**

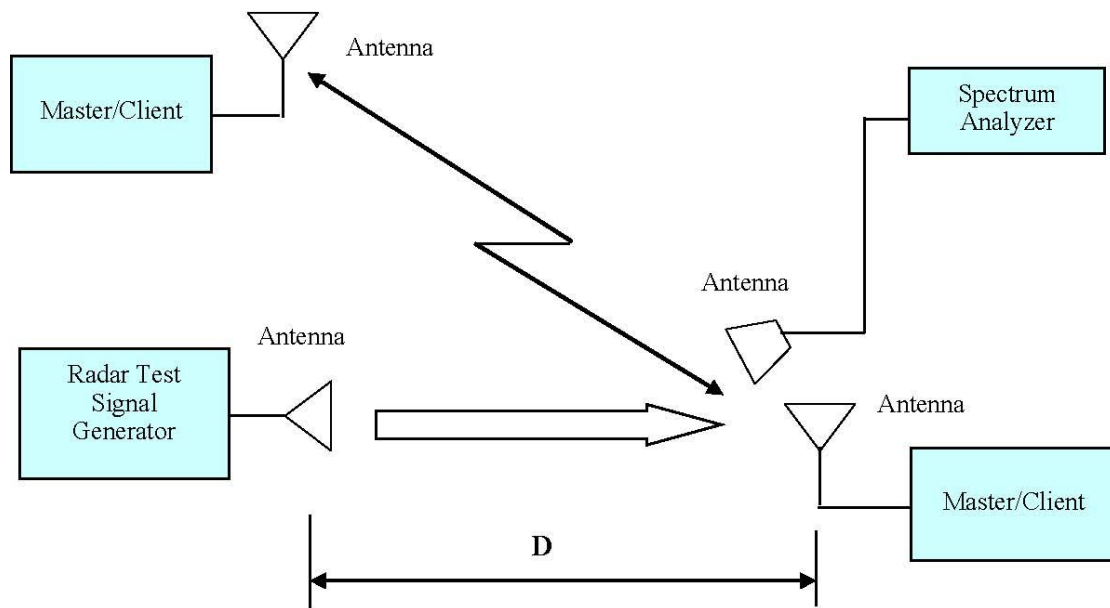


**Setup for Client with injection at the Master**



Setup for Client with injection at the Client

### Radiated Method



### Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

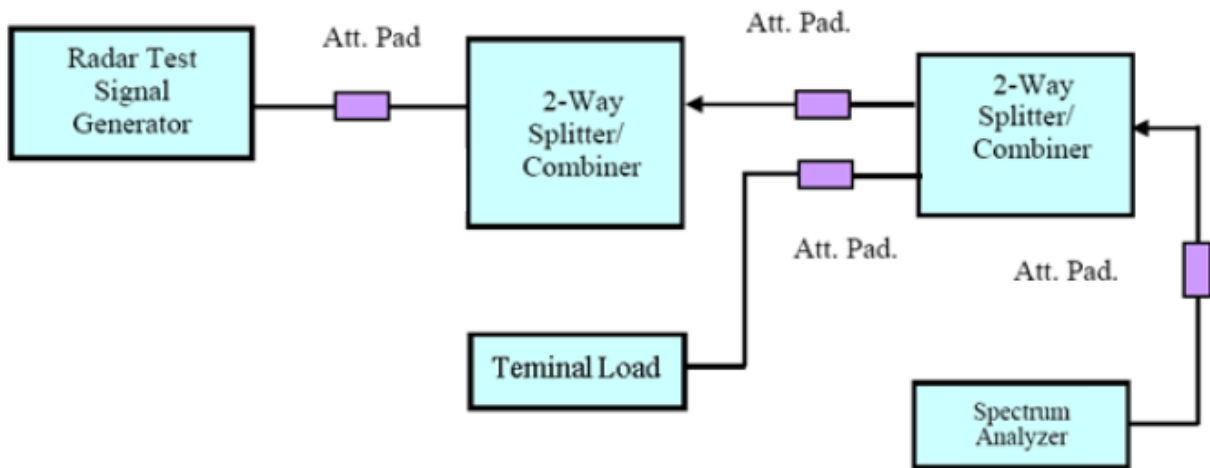
## APPLICABLE STANARDS

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### Description of EUT

The calibrated radiated DFS detection threshold level is set to -62 dBm.

### Radar Waveform Calibration



Test Data: See Appendix

## **CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME**

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### **Description of EUT**

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. Repeat using a long pulse radar type5 waveform.

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.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =  $N \times \text{Dwell Time}$

N is the number of spectrum analyzer bins showing a device transmission Dwell Time is the dwell time per bin (i.e. Dwell Time =  $S/B$ , S is the sweep time and B is the number of bin, i.e. 8192

**Test Data: See Appendix**

## **NON-OCCUPANCY PERIOD**

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### **Test Procedure**

Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

**Test Data: See Appendix**

## **EUT PHOTOGRAPHS**

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Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

## **TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment EXHIBIT E - TEST SETUP PHOTOGRAPHS.

## APPENDIX - TEST DATA

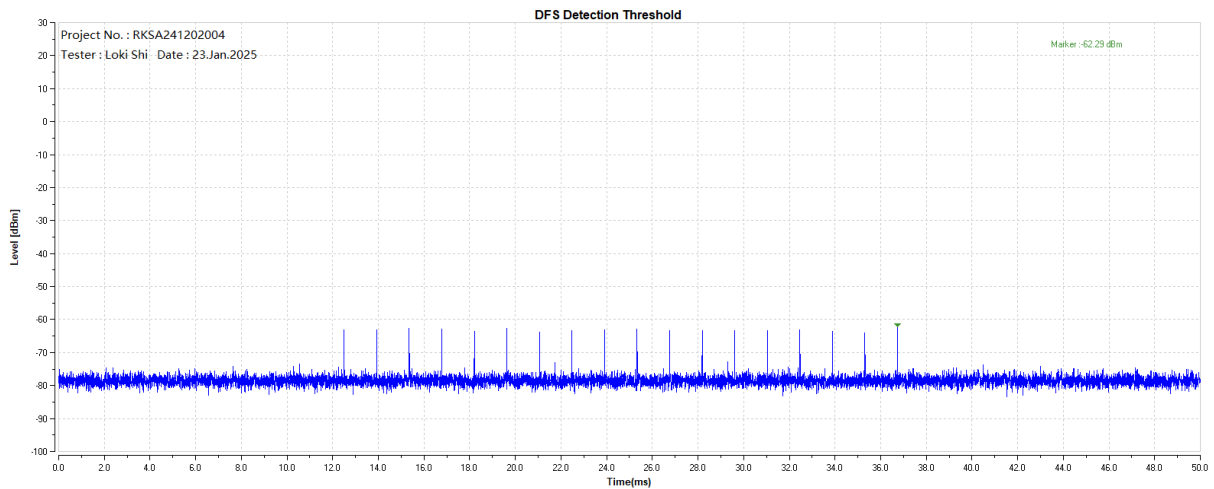
### Environmental Conditions & Test Information

| Test Item:         | DFS DETECTION<br>THRESHOLDS | CHANNEL MOVE<br>TIME AND CHANNEL<br>CLOSING<br>TRANSMISSION TIME | NON-OCCUPANCY<br>PERIOD |
|--------------------|-----------------------------|------------------------------------------------------------------|-------------------------|
| Temperature:       | 18.2 °C                     | 19.7 °C                                                          | 18.2 °C                 |
| Relative Humidity: | 48 %                        | 49 %                                                             | 48 %                    |
| ATM Pressure:      | 102.3 kPa                   | 102.4 kPa                                                        | 102.3 kPa               |
| Test Date:         | 2025-01-23                  | 2025-02-24                                                       | 2025-01-23              |
| Test Engineer:     | Loki Shi                    | Loki Shi                                                         | Loki Shi                |

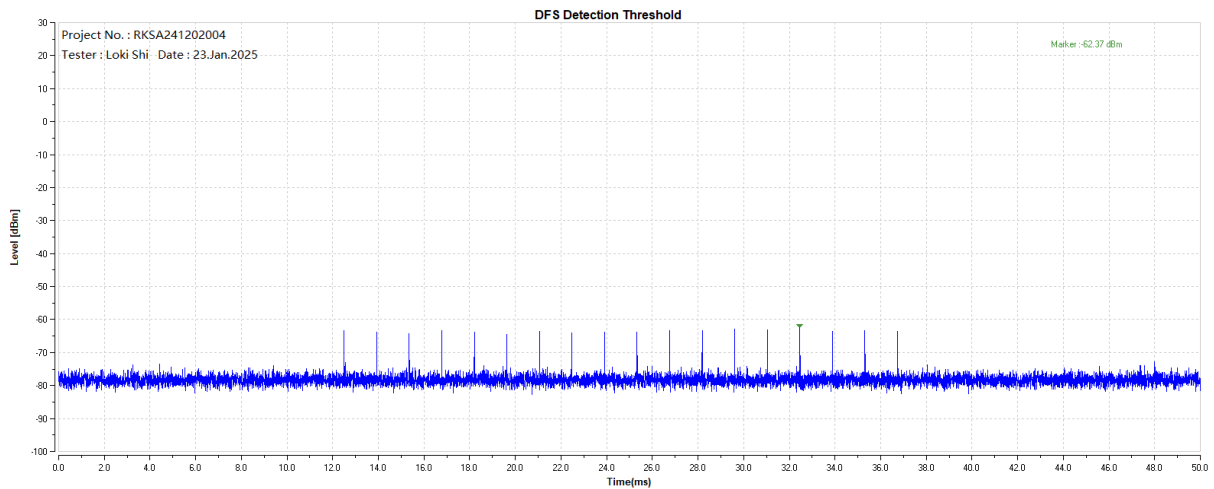
## DFS Detection Thresholds

| Test Mode          | Frequency(MHz) | Radar Type | Result (dBm) | Limit (dBm) | Verdict |
|--------------------|----------------|------------|--------------|-------------|---------|
| 802.11ax<br>80 MHz | 5290           | Type0      | -62.29       | -62.00      | Pass    |
|                    | 5530           | Type0      | -62.37       | -62.00      | Pass    |

### 5290 MHz Bandwidth 80 MHz



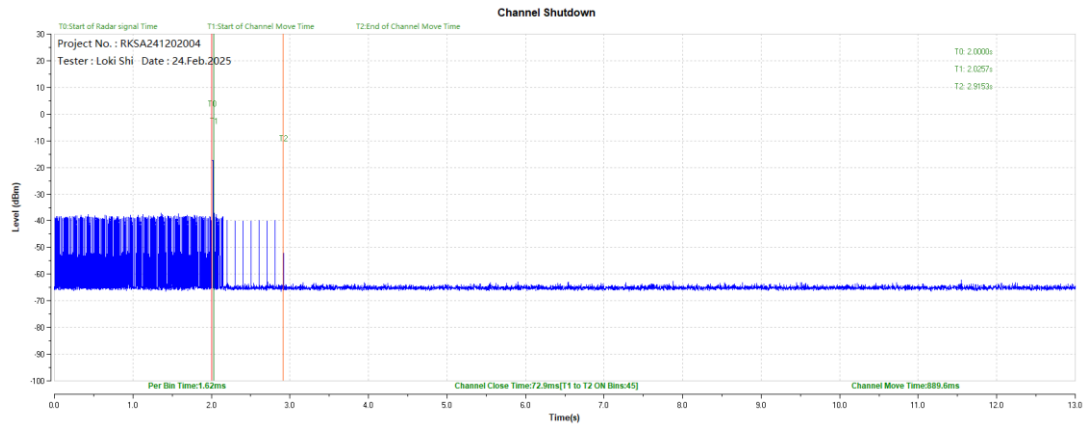
### 5530 MHz Bandwidth 80 MHz



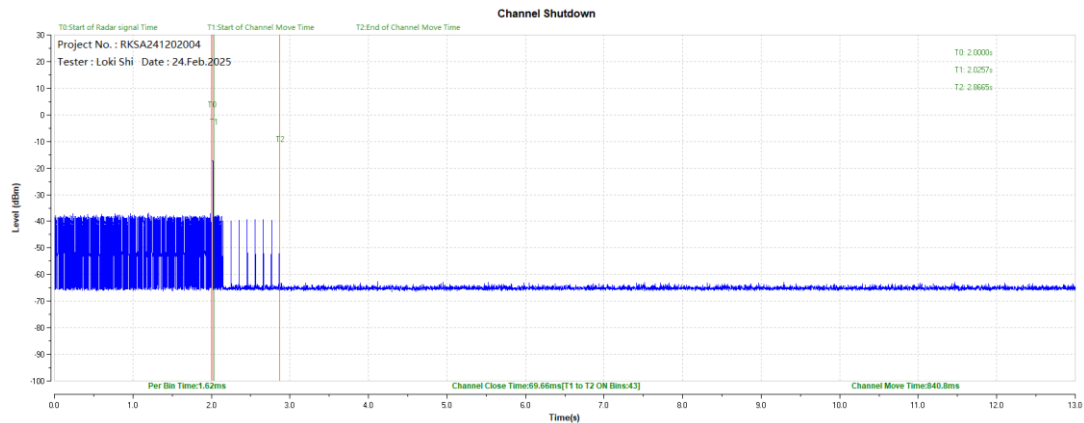
# CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

| Test Mode          | Frequency(MHz) | CCTT (ms) | Limit (ms) | CMT (ms) | Limit (ms) | Verdict |
|--------------------|----------------|-----------|------------|----------|------------|---------|
| 802.11ax<br>80 MHz | 5290           | 72.9      | 200+60     | 889.6    | 10000      | PASS    |
|                    | 5530           | 69.66     | 200+60     | 840.8    | 10000      | PASS    |

## 5290 MHz Bandwidth 80 MHz



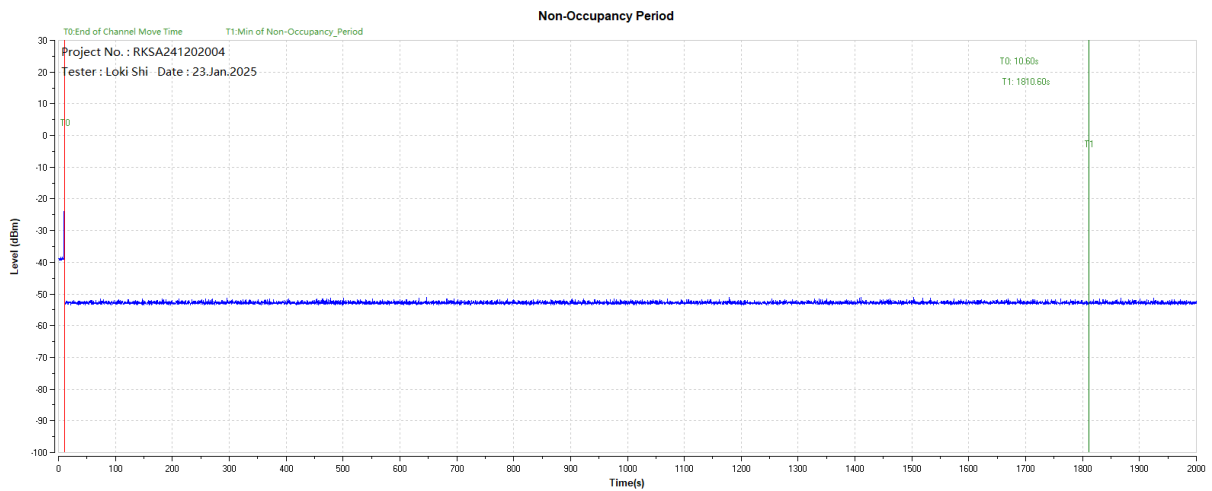
## 5530 MHz Bandwidth 80 MHz



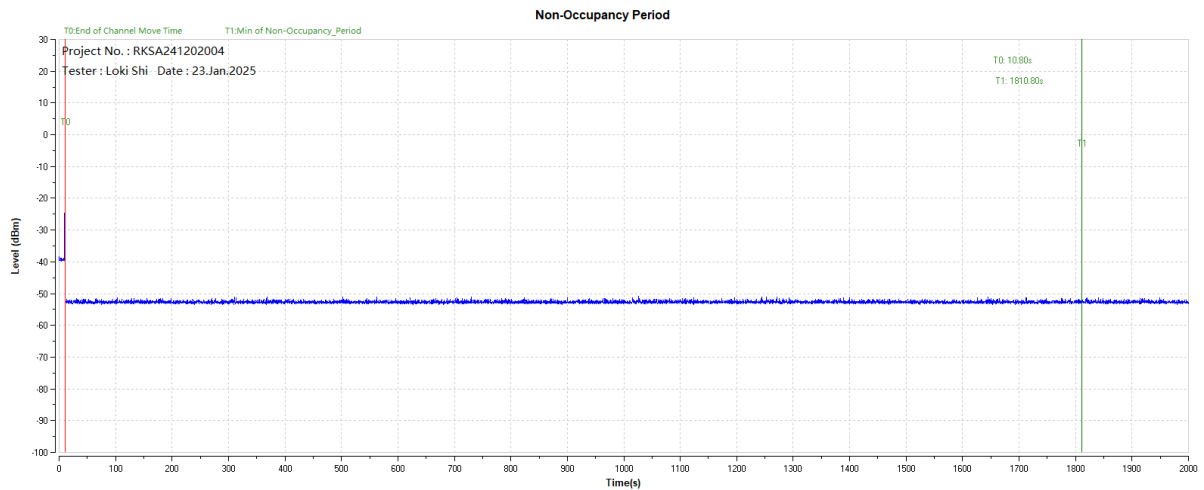
## NON-OCCUPANCY PERIOD

| TestMode           | Frequency[MHz] | Result         | Limit[s]    | Verdict |
|--------------------|----------------|----------------|-------------|---------|
| 802.11ax<br>80 MHz | 5290           | see test graph | $\geq 1800$ | Pass    |
|                    | 5530           | see test graph | $\geq 1800$ | Pass    |

### 5290 MHz Bandwidth 80 MHz



### 5530 MHz Bandwidth 80 MHz



## Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor  $k=2$  with the 95.45% confidence interval.

**\*\*\*\*\* END OF REPORT \*\*\*\*\***