

TEST REPORT

Report No.	CISRR25112418903
Project No.	CISR251124189
FCC ID	2BMSK-2000-26-0005
Applicant	Rehan Electronics Ltd.
Address	Brunswick Row, Aughrim Road, Carnew Co. Wicklow Y14 NY60, Republic of Ireland
Manufacturer	DAS INDUSTRY LIMITED
Address	Room 807, No.58 Building, 260 Maoyuan Road, Fengxian District, Shanghai 201400, PRC.
Product Name	LookyBOT Wi-Fi Camera
Trade mark	-
Model/Type reference	2000-26-0005
Listed Model(s)	-
Standard	47 CFR Part 15E
Date of sample receipt	November 27, 2025
Test date	November 27, 2025 to December 23, 2025
Issue date	December 23, 2025
Test result	Complied

Lucas Huang

Reviewed by: Lucas Huang



Approved by: Hans Hu

The test results relate only to the tested samples.

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1. STANDARD AND APPLICABLE TEST METHODS

The tests were performed according to following standards:

47 CFR Part 15E: Unlicensed National Information Infrastructure Devices

ANSI C63.10-2020: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

2. REPORT VERSION

Version No.	Issue date	Description
00	December 23, 2025	Original

3. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Channel Availability Check Time	47 CFR Part 15.407(h)(2)(ii)	Not required
2	U-NII Detection Bandwidth	47 CFR Part 15.407(h)(2)	Not required
3	Statistical Performance Check	KDB 935210 D02, Clause 5.1 Table 2	Not required
4	Channel Move Time, Channel Closing Transmission Time	47 CFR Part 15.407(h)(2)(iii)	Pass
5	Non-Occupancy Period Test	47 CFR Part 15.407(h)(2)(iv)	Pass
6	DFS Detection Thresholds	KDB 905462 D02, Clause 5.2 Table 3	Pass

Note:

- The measurement uncertainty is not included in the test result.

4. SUMMARY

4.1. Product Description *

Main unit information:	
Product Name:	LookyBOT Wi-Fi Camera
Trade mark:	-
Model No.:	2000-26-0005
Listed Model(s):	-
Model difference:	-
Power supply:	DC 12V
Hardware version:	-
Software version:	-
Accessory unit (AU) information:	
Battery information:	DC 7.2V

4.2. Radio Specification Description *

Modulation type:	802.11a/n: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Operation frequency:	5250MHz~5350MHz 5470MHz~5725MHz
Channel separation:	802.11a/n(HT20)/ac(HT20)/ax(HE20): 20MHz 802.11n(HT40)/ac(HT40)/ax(HE40): 40MHz
Antenna type:	External antenna
Antenna gain:	3.5dBi
DFS Type:	Client

Note:

- 1) *: As the above information is provided by the applicant, all relevant results and conclusions of this report are based solely on such information. Bangce lab shall not be liable for the authenticity, integrity, and resulting outcomes of the information, and/or the validity of the conclusions herein.
- 2) Operation frequency list as follow:

U-NII Band 2A

Bandwidth:	20MHz	Bandwidth:	40MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	54	5270
56	5280	62	5310
60	5300	/	/
64	5320	/	/

U-NII Band 2C

Bandwidth:	20MHz	Bandwidth:	40MHz
Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	102	5510
104	5520	110	5550
108	5540	118	5590
112	5560	126	5630
116	5580	134	5670
120	5600	/	/
124	5620	/	/
128	5640	/	/
132	5660	/	/
136	5680	/	/
140	5700	/	/

4.3. Modification of EUT

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

4.4. Deviation from standards

None

4.5. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372

5. TEST CONFIGURATION

5.1. Test frequency list

Bandwidth (MHz)	Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
20	5260	5300	5320
40	5270	/	5310

Bandwidth (MHz)	Lowest Channel (LCH) (MHz)	Middle Channel (MCH) (MHz)	Highest Channel (HCH) (MHz)
20	5500	5600	5700
40	5510	5590	5670

5.2. Descriptions of test mode

No	Test mode	Description
TM5	Normal Operating	Keep the EUT works in normal operating mode and connect to companion device

5.3. Test sample information

Type	Sample No.
Engineer sample	CISR251124189-S01
Normal sample	CISR251124189-S02

5.4. Environmental conditions

Type	Requirement
Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar

5.5. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	DFS Threshold (radiated)	1.68dB
2	DFS Threshold (conducted)	1.74dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

5.6. Equipment Used during the Test

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	Spectrum analyzer	ROHDE&SCHWARZ	FSV-40N	CIS-EE076	2025-01-08	2026-01-07
2	Notch Filter Assembly	WCS	SMU-1003	CIS-EE093	2025-01-08	2026-01-07
3	Vector Signal Generator	Agilent	N5182A	CIS-RE012	2025-01-08	2026-01-07
4	Analog Signal Generator	Agilent	N5181A	CIS-RE013	2025-01-08	2026-01-07
5	Test software	WCS	WCN-Regulator y	CIS-EE103	/	/

6. Dynamic Frequency Selection(DFS)

6.1. Applicability

The following table from FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 lists the applicable requirements for the DFS testing.

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

Requirement	Operational Mode	
	Master Device or Client With Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

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

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

6.2. DFS Devices Requirements

Per FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 the following are the requirements for Client Devices:

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing transmission time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

Channel Move Time and Channel Closing Transmission Time requirements are listed in the following table.

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

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

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

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

6.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

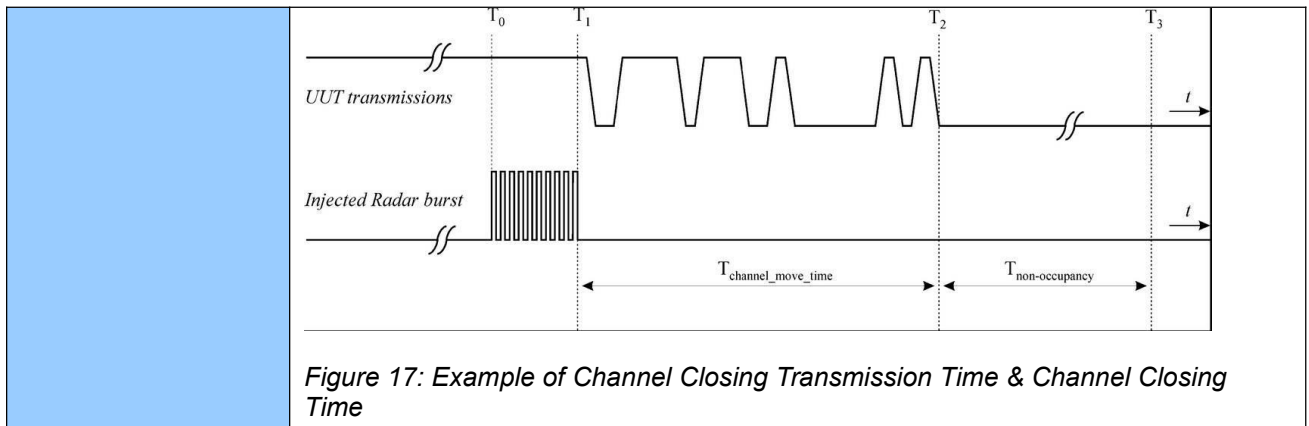
Maximum Transmit Power	Value (See Notes 1,2,and 3)
EIRP $\geq$ 200 milliwatt	-64dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64dBm
Note 1: This is the level at the input of the receiver assuming a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

7. TEST RESULTS

7.1. Radio Spectrum Matter Test Results (RF)

7.1.1. Channel Move Time, Channel Closing Transmission Time

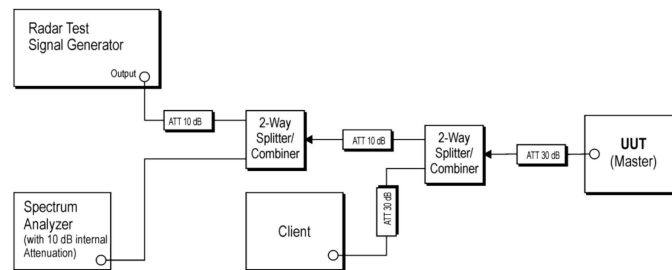
Test Requirement:	47 CFR Part 15.407(h)(2)(iii)
Test Limit:	Channel Move Time: within 10 seconds Channel Closing Transmission Time: 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. (The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the 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.)
Test Method:	KDB 905462 D02, Clause 7.8.3
Procedure:	The steps below define the procedure to determine the above-mentioned parameters when a radar <i>Burst</i> with a level equal to the <i>DFS Detection Threshold</i> + 1dB is generated on the <i>Operating Channel</i> of the U-NII device (<i>In-Service Monitoring</i>). 1. One frequency will be chosen from the <i>Operating Channels</i> of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected. 2. In case the UUT is a U-NII device operating as a <i>Client Device</i> (with or without DFS), a U-NII device operating as a <i>Master Device</i> will be used to allow the UUT (Client device) to <i>Associate</i> with the <i>Master Device</i>. In case the UUT is a <i>Master Device</i>, a U-NII device operating as a <i>Client Device</i> will be used and it is assumed that the Client will <i>Associate</i> with the UUT (Master). In both cases for conducted tests, the <i>Radar Waveform</i> generator will be connected to the <i>Master Device</i>. For radiated tests, the emissions of the <i>Radar Waveform</i> generator will be directed towards the <i>Master Device</i>. If the <i>Master Device</i> has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. 3. Stream the channel loading test file from the <i>Master Device</i> to the <i>Client Device</i> on the test <i>Channel</i> for the entire period of the test. 4. At time T0 the <i>Radar Waveform</i> generator sends a <i>Burst</i> of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the <i>Operating Channel</i>. An additional 1 dB is added to the radar test signal to ensure it is at or above the <i>DFS Detection Threshold</i>, accounting for equipment variations/errors. 5. Observe the transmissions of the UUT at the end of the radar <i>Burst</i> on the <i>Operating Channel</i> for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (<i>Channel Move Time</i>). Measure and record the <i>Channel Move Time</i> and <i>Channel Closing Transmission Time</i> if radar detection occurs. Figure 17 illustrates <i>Channel Closing Transmission Time</i>. 6. When operating as a <i>Master Device</i>, monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this <i>Channel</i>. Perform this test once and record the measurement result. 7. In case the UUT is a U-NII device operating as a <i>Client Device</i> with <i>In-Service Monitoring</i>, perform steps 1 to 6.



7.1.1.1. E.U.T. Operation

Operating Environment:					
Temperature:	23.4 °C	Humidity:	56.7 %	Atmospheric Pressure:	102.4 kPa
Pre test mode:	TM4				
Final test mode:	TM4				

7.1.1.2. Test Setup Diagram

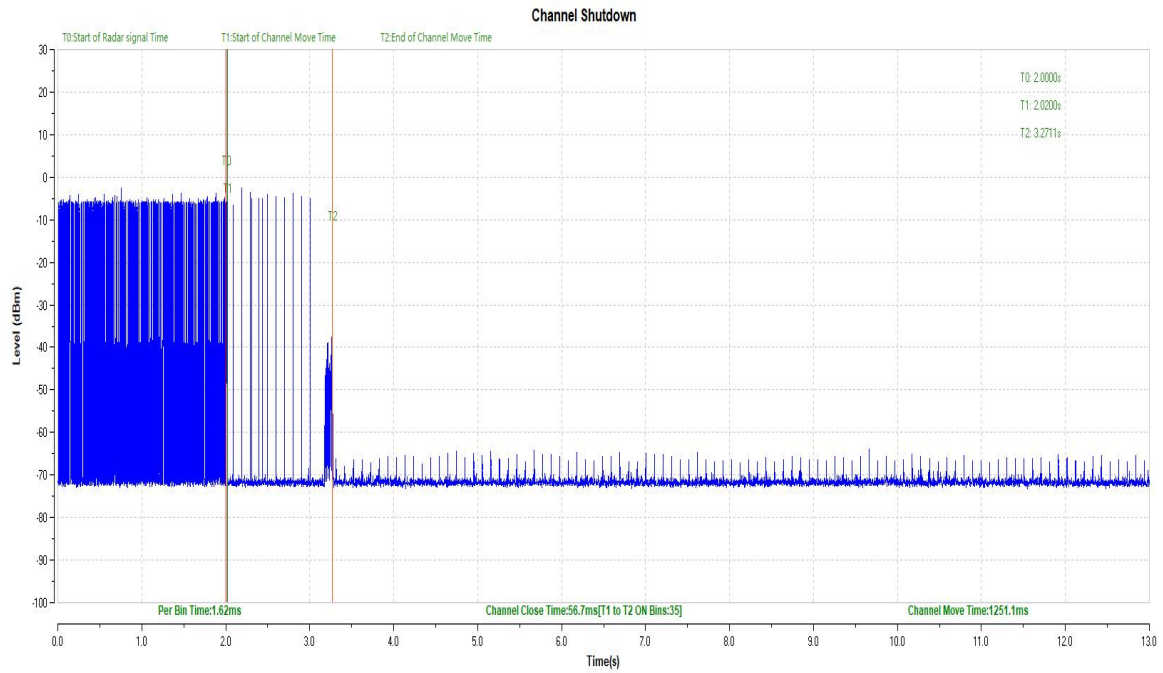


7.1.1.3. Test Result

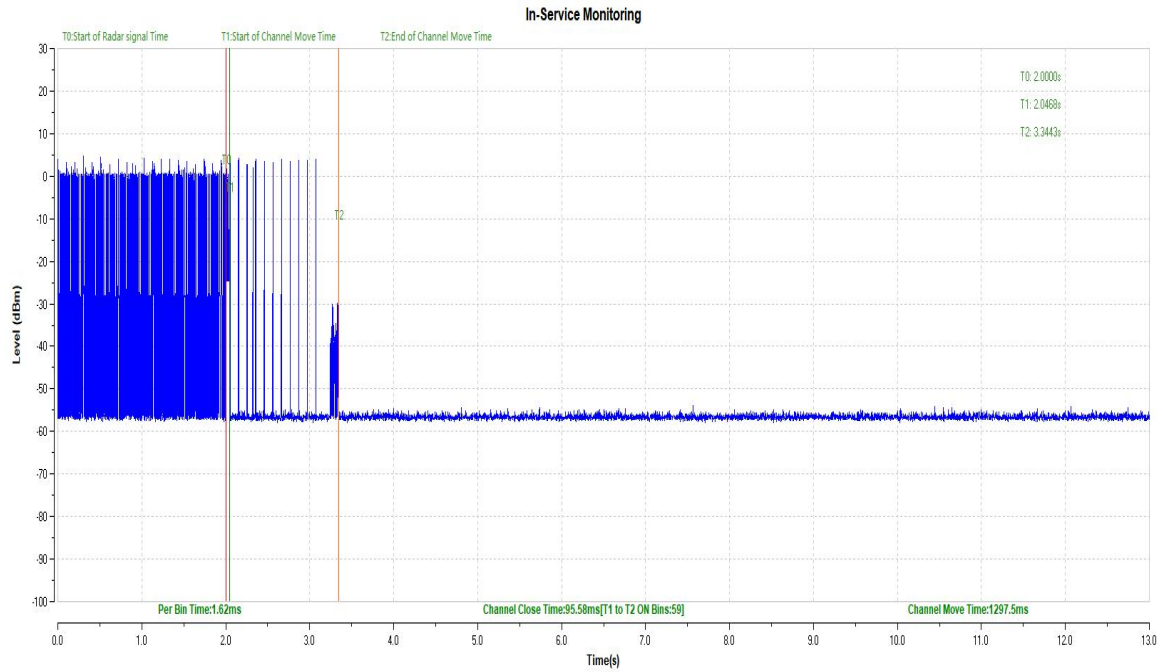
Pass

7.1.1.4. Test Data

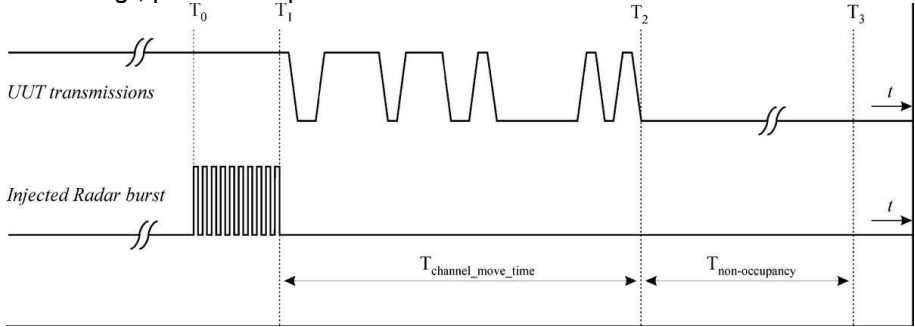
Test Channel/Frequency	Channel Move Time	Limit
Channel 62 / 5310MHz	1.251s	10s
	Channel Close Time	Limit
	56.7ms	200ms



Test Channel/Frequency	Channel Move Time	Limit
Channel 102 / 5510MHz	1.297s	10s
	Channel Close Time	Limit
	95.58ms	200ms



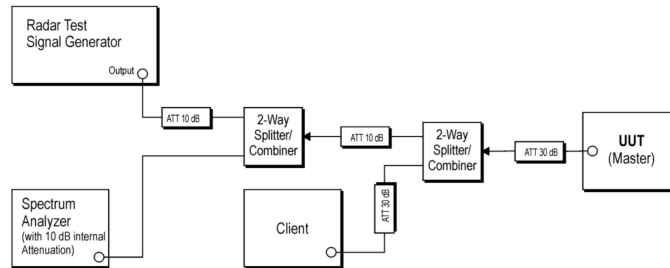
7.1.2. Non-Occupancy Period Test

Test Requirement:	47 CFR Part 15.407(h)(2)(iv)
Test Limit:	A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.
Test Method:	KDB 905462 D02, Clause 7.8.3
Procedure:	The steps below define the procedure to determine the above-mentioned parameters when a radar <i>Burst</i> with a level equal to the <i>DFS Detection Threshold</i> + 1dB is generated on the <i>Operating Channel</i> of the U-NII device (<i>In- Service Monitoring</i>). - One frequency will be chosen from the <i>Operating Channels</i> of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected. - In case the UUT is a U-NII device operating as a <i>Client Device</i> (with or without DFS), a U-NII device operating as a <i>Master Device</i> will be used to allow the UUT (Client device) to <i>Associate</i> with the <i>Master Device</i>. In case the UUT is a <i>Master Device</i>, a U-NII device operating as a <i>Client Device</i> will be used and it is assumed that the Client will <i>Associate</i> with the UUT (Master). In both cases for conducted tests, the <i>Radar Waveform</i> generator will be connected to the <i>Master Device</i>. For radiated tests, the emissions of the <i>Radar Waveform</i> generator will be directed towards the <i>Master Device</i>. If the <i>Master Device</i> has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing. - Stream the channel loading test file from the <i>Master Device</i> to the <i>Client Device</i> on the test <i>Channel</i> for the entire period of the test. - At time T_0 the <i>Radar Waveform</i> generator sends a <i>Burst</i> of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the <i>Operating Channel</i>. An additional 1 dB is added to the radar test signal to ensure it is at or above the <i>DFS Detection Threshold</i>, accounting for equipment variations/errors. - Observe the transmissions of the UUT at the end of the radar <i>Burst</i> on the <i>Operating Channel</i> for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (<i>Channel Move Time</i>). Measure and record the <i>Channel Move Time</i> and <i>Channel Closing Transmission Time</i> if radar detection occurs. Figure 17 illustrates <i>Channel Closing Transmission Time</i>. - When operating as a <i>Master Device</i>, monitor the UUT for more than 30 minutes following instant T_2 to verify that the UUT does not resume any transmissions on this <i>Channel</i>. Perform this test once and record the measurement result. - In case the UUT is a U-NII device operating as a <i>Client Device</i> with <i>In-Service Monitoring</i>, perform steps 1 to 6.  Figure 17: Example of Channel Closing Transmission Time & Channel Closing Time

7.1.2.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.5 °C	Humidity:	56.9 %	Atmospheric Pressure:	102.4 kPa
Pre test mode:	TM4				
Final test mode:	TM4				

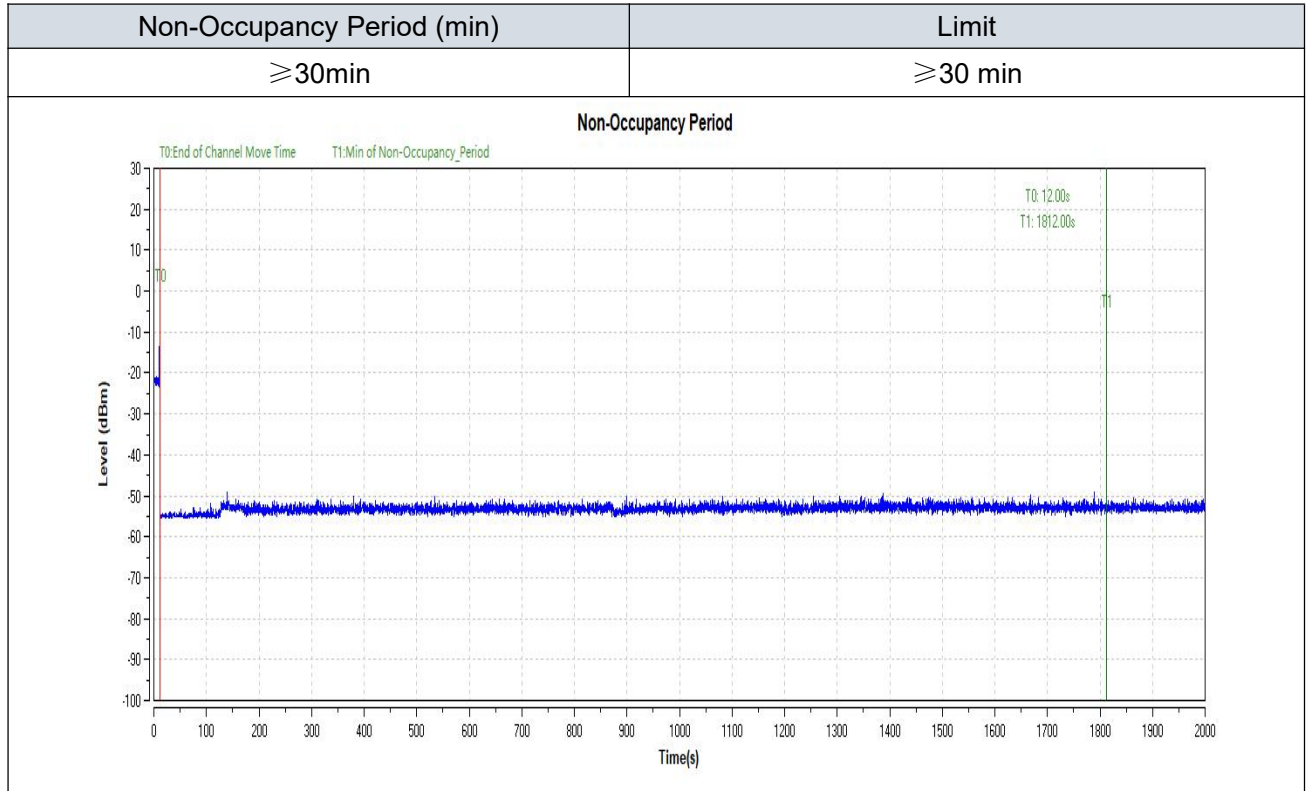
7.1.2.2. Test Setup Diagram



7.1.2.3. Test Result

Pass

7.1.2.4. Test Date



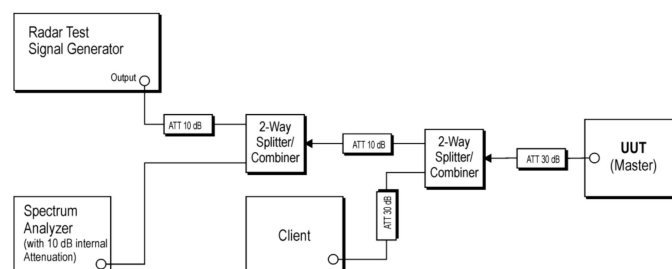
7.1.3. DFS Detection Thresholds

Test Requirement:	KDB 905462 D02, Clause 5.2 Table 3								
Test Limit:	Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection <table> <tr> <th>Maximum Transmit Power</th><th>Value (See Notes 1, 2, and 3)</th></tr> <tr> <td>EIRP $\geq$ 200 milliwatt</td><td>-64 dBm</td></tr> <tr> <td>EIRP $<$ 200 milliwatt and power spectral density $<$ 10 dBm/MHz</td><td>-62 dBm</td></tr> <tr> <td>EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement</td><td>-64 dBm</td></tr> </table> 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. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	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
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								
Test Method:	KDB 905462 D02, Clause 7.4.1.1								
Procedure:	1) A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master 2) The interference Radar Detection Threshold Level is TH+ 0dBi +1dB that had been taken into account the output power range and antenna gain. 3) The following equipment setup was used to calibrate the conducted 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 spans (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. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB. 4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was TH + 0dBi +1dB = -63dBm. Capture the spectrum analyzer plots on short pulse radar waveform. Note: TH=-64 dBm or -62 dBm								

7.1.3.1. E.U.T. Operation

Operating Environment:					
Temperature:	22.1 °C	Humidity:	55.1 %	Atmospheric Pressure:	102.4 kPa
Pre test mode:	TM4				
Final test mode:	TM4				

7.1.3.2. Test Setup Diagram

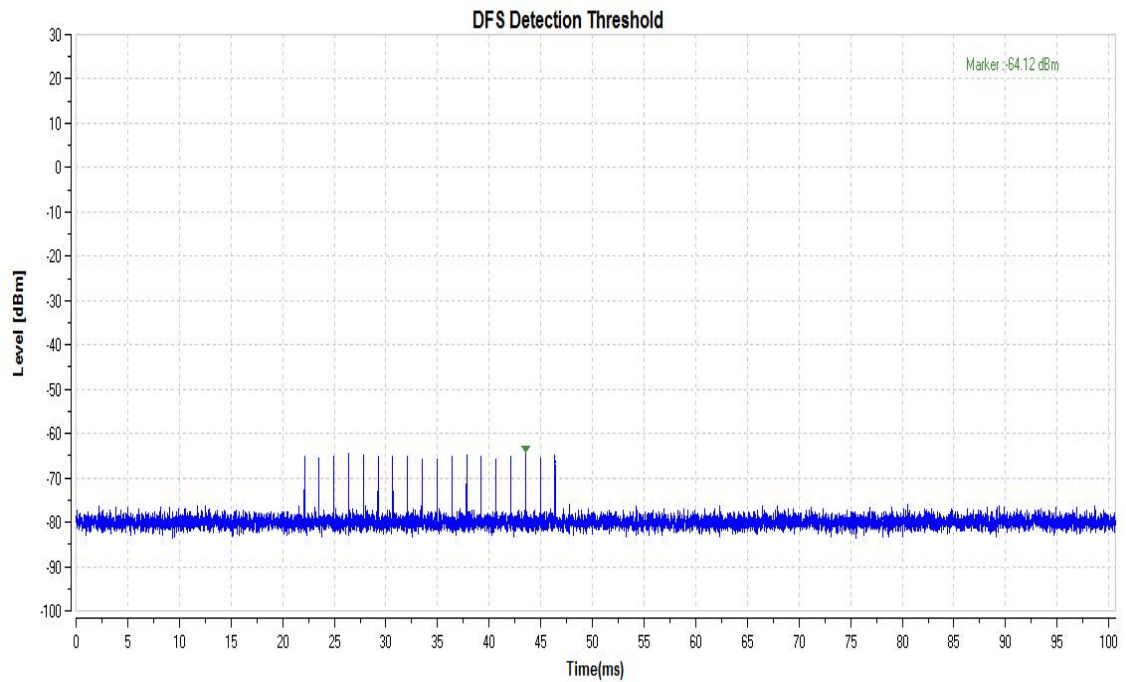


7.1.3.3. Test Result

Pass

7.1.3.4. Test Data

Radar 0 DFS detection threshold level



-----End of the report-----