

TEST REPORT

Applicant Name: Grandstream Networks, Inc.
Address: 126 Brookline Ave., 3rd Floor Boston, MA 02215, USA
Report Number: 2501U30275E-RFA
FCC ID: YZZGWN7302
IC: 11964A-GWN7302

Test Standard (s)

FCC PART 15.407; RSS-247 ISSUE 3, AUGUST 2023

Sample Description

Product Type: PtP/PtMP Fixed Wireless Bridge
Model No.: GWN7302
Multiple Model(s) No.: N/A
Trade Mark: GRANDSTREAM
Date Received: 2025-07-01
Issue Date: 2025-09-27

Test Result:	Pass▲
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▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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Approved By:

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RF Supervisor

Note: The information marked * is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2501U30275E-RFA	Original Report	2025-09-27

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

HVIN	GWN7302
FVIN	10.0.2.8
Product	PtP/PtMP Fixed Wireless Bridge
Tested Model	GWN7302
Multiple Model(s)	N/A
Device Type	Fixed point-to-point access points Fixed point-to- multipoint access points (Indoor/ Outdoor)
Frequency Range	5GHz Wi-Fi: 5250-5350 MHz; 5470-5725MHz Note: frequency range 5600-5650MHz can't be use in Canada
Mode	802.11a/n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160
Maximum Conducted Average Output Power	FCC:5250-5350MHz: 12.79dBm, 5470-5725MHz: 10.92dBm IC: 5250-5350MHz: 8.75dBm, 5470-5725MHz: 10.92dBm
EIRP	FCC:5250-5350MHz: 29.59dBm, 5470-5725MHz: 26.99dBm IC: 5250-5350MHz: 22.86dBm, 5470-5725MHz: 26.99dBm
Modulation Technique	OFDM, OFDMA
Antenna Specification [#]	ANT1/ANT2: 13.79dBi (It is provided by the manufacturer)
Voltage Range	DC 16-48V from DC port or DC 48V from POE (802.3af/at)
Sample serial number	356Q-3 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts E of the Federal Communications Commission's rules, and RSS-247 Issue 3, August 2023 of the Innovation, Science and Economic Development Canada..

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.

The objective is to determine compliance with Dynamic Frequency Selection (DFS) of the RSS-247 Issue 3, August 2023 of the Innovation, Science and Economic Development Canada for devices operating in the bands 5250-5350 MHz, 5470-5600MHz and 5650-5725 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

Parameter	Uncertainty
Time	$\pm 1\%$ (k=2, 95% level of confidence)
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 1\%$
Supply voltages	$\pm 0.4\%$

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West) , 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0023.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

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

EUT Exercise Software

“QPST”[#] exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Redmi	Mobile phone	M2012K10C	Unknown
DELL	Notebook	Latitude E6410	11429208685
GOSPEL	POE	G0720-480-050	200200019

External I/O Cable

Cable Description	Length (m)	From Port	To
Un-shielding Detachable AC Cable	1.0	Receptacle	POE
Unshielded Detachable RJ45 cable	1.0	Notebook	POE
Unshielded Detachable RJ45 cable	1.5	POE	EUT

SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), RSS-247 Issue 3 §6.3 and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

Items	Description of Test	Result
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Compliant
	Radar Burst at the Beginning of the CAC	Compliant
	Radar Burst at the End of the CAC	Compliant
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Compliant
Channel Loading	Channel Loading	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Tonscend	RF control Unit	JS0806-2	19D8060154	2025/07/18	2026/07/17
Rohde & Schwarz	Spectrum Analyzer	FSV40	101473	2024/12/04	2025/12/03
Keysight	MXG Vector Signal Generator	N5182B	MY53051503	2024/12/04	2025/12/03
narda	Power divider	SN5	100005	2025/06/26	2026/06/25
Narda	20dB Attenuator	99899	0107	2025/06/26	2026/06/25
Micro-Tronics	RF Cable	8082135	W1113	2025/06/26	2026/06/25
Micro-Tronics	RF Cable	UFA210A	804504	2025/06/26	2026/06/25

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) 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) & RSS-247 Issue 3, August 2023 section 6.3

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
Note: 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 (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
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.	

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 See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U- NII 99% transmission power bandwidth. See Note 3.
Note 1: <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. Note 2: 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 move</i> (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 <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.	

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
Note 1: 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

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
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.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
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 (μ sec)	Chirp Width (MHz)	PRI (μ 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

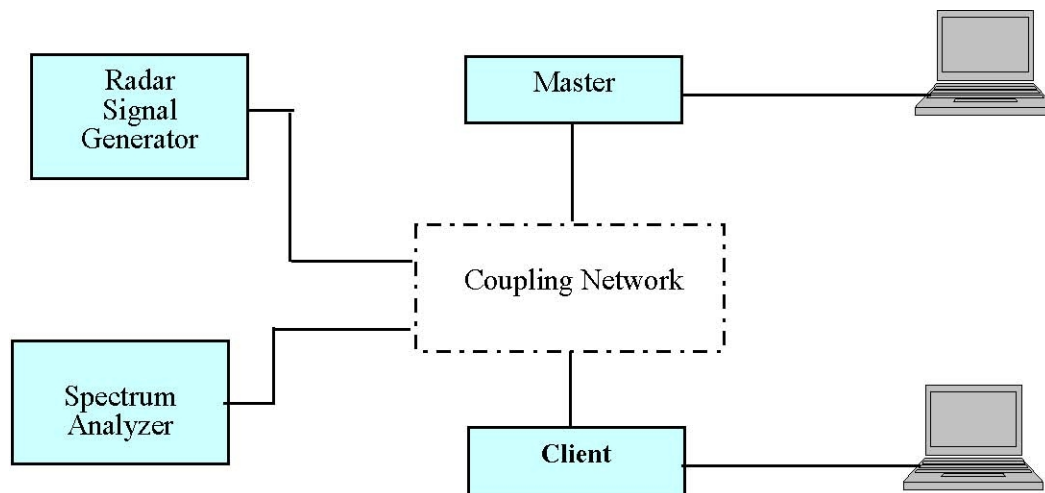
Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μ sec)	PRI (μ 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

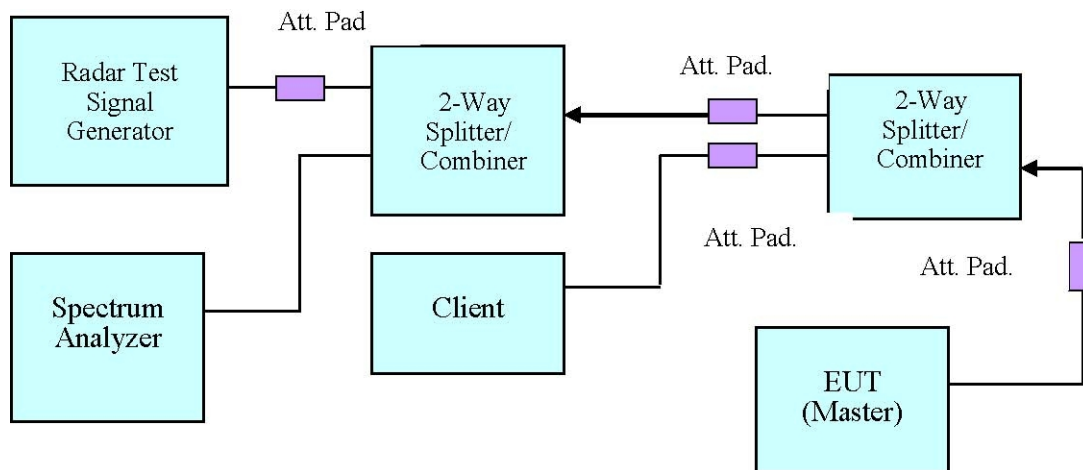
DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

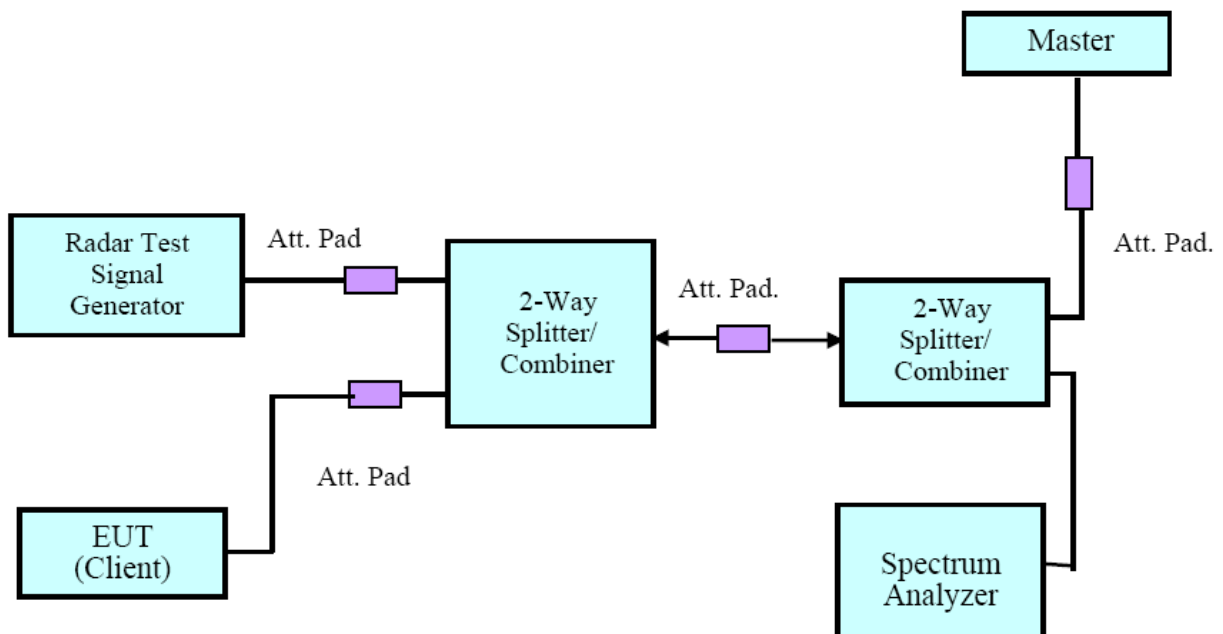
System Block Diagram



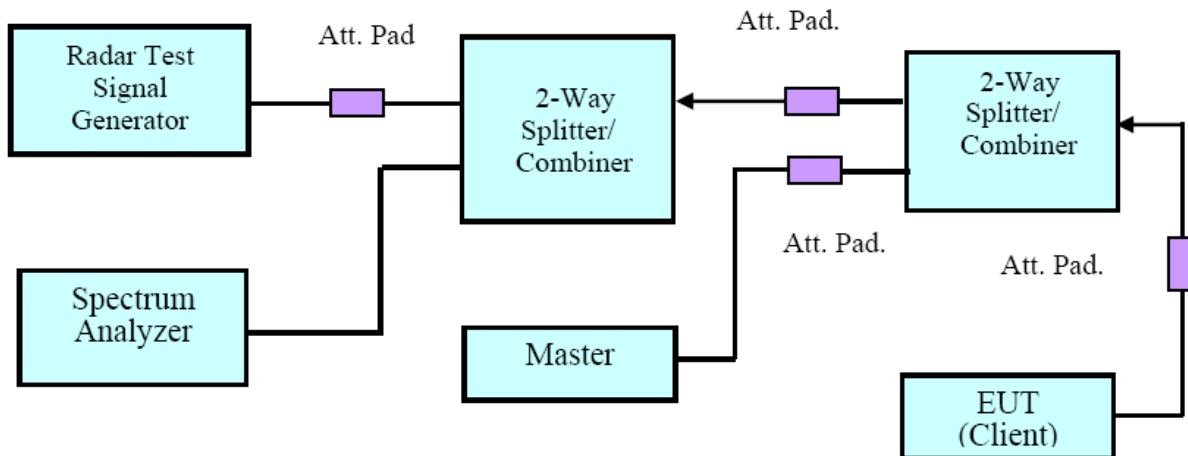
Conducted Method



Setup for Master with injection at the Master

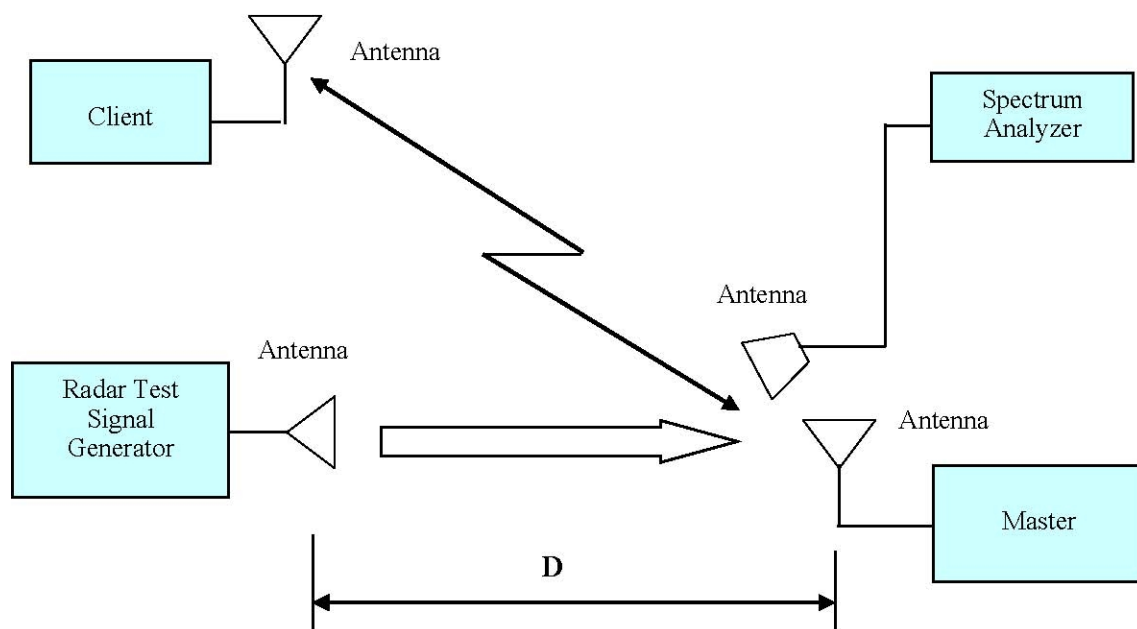


Setup for Client with injection at the Master



Setup for Client with injection at the Client

Radiated Method



Test Procedure

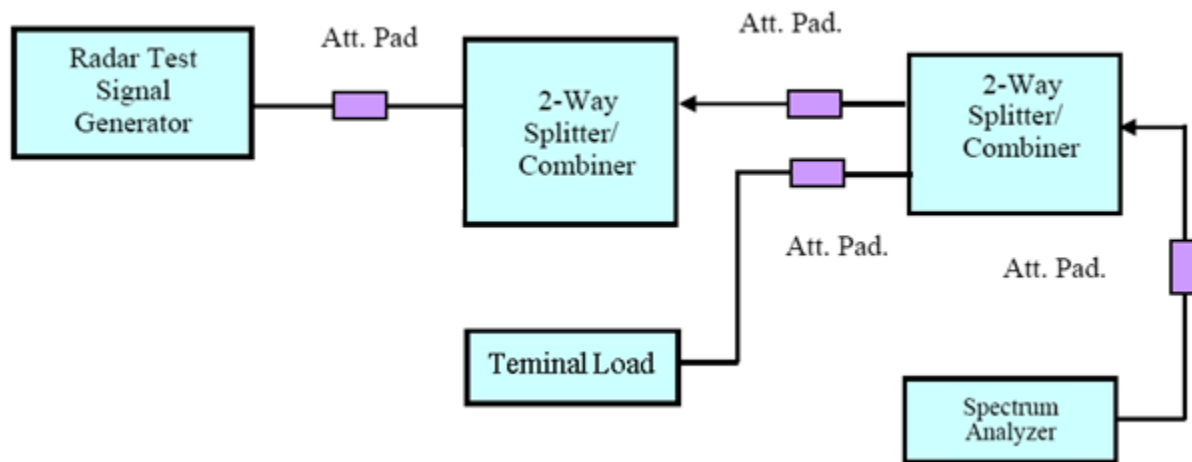
A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. It is also used to monitor EUT transmissions during the Channel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

TEST RESULTS

Description of EUT

The maximum EIRP is great than 200mW. The calibrated radiated DFS detection threshold level is set to -64 dBm.

Radar Waveform Calibration



Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

CHANNEL LOADING

Test Procedure

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

- a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
- b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
- c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
- d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

CHANNEL AVAILABILITY CHECK TIME (CAC)

Test Procedure

1. Initial Channel Availability Check Time

The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the UUT is powered on, the spectrum analyzer will be set to zero span and the spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.

The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

Confirm that the UUT initiates transmission on the channel

2. Radar Burst at the Beginning of the Channel Availability Check Time

A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window at the beginning of CAC time. Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported.

3. Radar Burst at the End of the Channel Availability Check Time

A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window at the end of CAC time. Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported.

Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

Test Procedure

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*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

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

NON-OCCUPANCY PERIOD

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

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

DETECTION BANDWIDTH

Test Procedure

Performed with Type 0 radar waveforms

Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the *U-NII Detection Bandwidth* criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as F_H) at which detection is greater than or equal to the *U-NII Detection Bandwidth* criterion. Recording the detection rate at frequencies above F_H is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the *U-NII Detection Bandwidth* criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as F_L) at which detection is greater than or equal to the *U-NII Detection Bandwidth* criterion. Recording the detection rate at frequencies below F_L is not required to demonstrate compliance

The *U-NII Detection Bandwidth* is calculated as follows: $U-NII\ Detection\ Bandwidth = F_H - F_L$

The *U-NII Detection Bandwidth* must meet the *U-NII Detection Bandwidth* criterion specified in Table 4. Otherwise, the UUT does not comply with DFS requirements. This is essential to ensure that the UUT is capable of detecting *Radar Waveforms* across the same frequency spectrum that contains the significant energy from the system. In the case that the *U-NII Detection Bandwidth* is greater than or equal to the 99 percent power bandwidth for the measured F_H and F_L , the test can be truncated and the *U-NII Detection Bandwidth* can be reported as the measured F_H and F_L .

Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

STATISTICAL PERFORMANCE CHECK

Test Procedure

The steps below define the procedure to determine the minimum percentage of successful detection requirements found in **Tables 5-7** when a radar burst with a level equal to the *DFS Detection Threshold + 1dB* is generated on the *Operating Channel* of the U-NII device (*In-Service Monitoring*).

a) One frequency will be chosen from the *Operating Channels* of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.

b) In case the UUT is a U-NII device operating as a *Client Device* (with or without Radar Detection), a U-NII device operating as a *Master Device* will be used to allow the UUT (Client device) to *Associate* with the *Master Device*. In case the UUT is a *Master Device*, a U-NII device operating as a *Client Device* will be used and it is assumed that the Client will *Associate* with the UUT (Master). In both cases for conducted tests, the *Radar Waveform* generator will be connected to the *Master Device*. For radiated tests, the emissions of the *Radar Waveform* generator will be directed towards the *Master Device*. If the *Master Device* has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.

c) Stream the channel loading test file from the *Master Device* to the Client Device on the test *Channel* for the entire period of the test.

d) At time T_0 the *Radar Waveform* generator sends the individual waveform for each of the Radar Types 1-6 in **Tables 5-7**, at levels defined in **Table 3**, on the *Operating Channel*. An additional 1 dB is added to the radar test signal to ensure it is at or above the *DFS Detection Threshold*, accounting for equipment variations/errors.

e) Observe the transmissions of the UUT at the end of the Burst on the *Operating Channel* for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.

f) Observe the transmissions of the UUT at the end of the Burst on the *Operating Channel* for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

g) In case the UUT is a U-NII device operating as a *Client Device* with *In-Service Monitoring*, perform steps a) to f).

Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

BRIDGE AND/OR MESH MODE

Test Procedure

Networks Access Points with Bridge and/or MESH modes of operation are permitted to operate in the DFS bands but must employ a DFS function. The functionality of the Bridge mode as specified in 15.403(a) must be validated in the DFS test report. Devices operating as relays where they act as master and client must also employ DFS function for the master. The method used to validate the functionality must be documented and validation data must be documented. Bridge mode can be validated by performing a test statistical performance check (Section 7.8.4) on any one of the radar types. This is an abbreviated test to verify DFS functionality. MESH mode operational methodology must be submitted in the application for certification for evaluation by the FCC.

Test Data

Environmental Conditions

Temperature:	24.1~25.6 °C
Relative Humidity:	48~55 %
ATM Pressure:	100.2~101.1 kPa

The testing was performed by Lee Li from 2025-09-09 to 2025-09-10.

EUT operation mode: Transmitting

Test Result: Compliant

Please refer to the Appendix.

EUT PHOTOGRAPHS

Please refer to the attachment 2501U30275E-RF-EXP External photo and 2501U30275E-RF-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501U30275E-RF-TSP Test Setup photo.

APPENDIX

Appendix A: DFS Detection Thresholds

Test Result

Test Mode	Frequency[MHz]	Radar Type	Result[dBm]	Verdict
20MHz	5260	Type0	-64.12	PASS
		Type1	-64.12	PASS
		Type2	-64.15	PASS
		Type3	-64.09	PASS
		Type4	-64.22	PASS
		Type5	-64.25	PASS
		Type6	-64.35	PASS
	5500	Type0	-64.29	PASS
		Type1	-64.43	PASS
		Type2	-64.35	PASS
		Type3	-64.35	PASS
		Type4	-64.38	PASS
		Type5	-64.02	PASS
		Type6	-64.01	PASS
40MHz	5270	Type0	-64.26	PASS
		Type1	-64.12	PASS
		Type2	-64.03	PASS
		Type3	-64.08	PASS
		Type4	-64.07	PASS
		Type5	-64.07	PASS
		Type6	-64.12	PASS
	5510	Type0	-64.36	PASS
		Type1	-64.43	PASS
		Type2	-64.03	PASS
		Type3	-64.38	PASS
		Type4	-64.46	PASS
		Type5	-64.49	PASS
		Type6	-64.46	PASS
80MHz	5290	Type0	-64.02	PASS
		Type1	-64.08	PASS
		Type2	-64.38	PASS
		Type3	-64.23	PASS
		Type4	-64.48	PASS
		Type5	-64.37	PASS
		Type6	-64.09	PASS
	5530	Type0	-64.16	PASS
		Type1	-64.32	PASS
		Type2	-64.38	PASS
		Type3	-64.31	PASS
		Type4	-64.15	PASS
		Type5	-64.08	PASS
		Type6	-64.49	PASS
160MHz	5250	Type0	-64.25	PASS
		Type1	-64.05	PASS
		Type2	-64.26	PASS
		Type3	-64.04	PASS
		Type4	-64.18	PASS
		Type5	-64.10	PASS
		Type6	-64.22	PASS
	5570	Type0	-64.06	PASS
		Type1	-64.06	PASS
		Type2	-64.12	PASS

		Type3	-64.06	PASS
		Type4	-64.08	PASS
		Type5	-64.18	PASS
		Type6	-64.14	PASS

Test Graphs

