RF TEST REPORT

Report No.:	20240617G10973X-W4
Product Name:	LWA Base Station
Model No.:	pBS31480W7
FCC ID:	2AG32PBS31480W7
Applicant:	Baicells Technologies Co., Ltd.
Address:	9-10F, 1stBldg., No.81BeiqingRoad, Haidian District, Beijing, China
Dates of Testing:	06/21/2024 - 10/16/2024
Issued by:	CCIC Southern Testing Co., Ltd.
Lab Location:	Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China. **Tel**：86 755 26627338 **E-Mail**：manager@ccic-set.com

Test Report

Product.....:	LWA Base Station
Trade Name .....:	Baicells
Applicant.....:	Baicells Technologies Co., Ltd.
Applicant Address.....:	9-10F, 1stBldg., No.81BeiqingRoad, Haidian District, Beijing, China
Manufacturer.....:	Baicells Technologies Co., Ltd.
Manufacturer Address.....:	9-10F, 1stBldg., No.81BeiqingRoad, Haidian District, Beijing, China
Test Standards.....:	47 CFR Part 15 Subpart E 15.407
Test Result.....:	Pass

Tested by .....: Chuiwang Zhang 2024.10.16

Chuiwang Zhang, Test Engineer

Reviewed by.....: Sun Jiaohui 2024.10.16

Sun Jiaohui, Senior Engineer

Approved by.....: Chris You 2024.10.16

Chris You, Manager

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Change History		
Issue	Date	Reason for change
1.0	2024.10.16	First edition

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	LWA Base Station
Operation	☒ Master device
	☐ Slaver device with radar detection function
	☐ Slaver device without radar detection function
TPC	Not suppport
EUT supports Radios application	WLAN5.0GHz 802.11a/n/ac/ax
Modulation Type	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM) 802.11ax: OFDM, OFDMA (BPSK/QPSK/16QAM/64QAM/256QAM/1024QAM)
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 300 Mbps (2x2MIMO) 802.11ac: up to 1733.333 Mbps (2x2MIMO) 802.11ax: up to 2401.961 Mbps (2x2MIMO)
Frequency Range	UNII-1: 5150 ~ 5250MHz UNII-2a: 5250 ~ 5350MHz UNII-2c: 5470 ~ 5725MHz UNII-3: 5725 ~ 5850MHz
Channel Bandwidth	802.11a: 20MHz 802.11n: 20MHz/40MHz 802.11ac: 20MHz/40MHz/80MHz/160MHz 802.11ax: 20MHz/40MHz/80MHz/160MHz
Antenna Type	Internal Antenna
Antenna Gain	Antenna 0: 6.33dBi Antenna 1: 6.33dBi
AC adapter	Adapter (POE) Model: G0566-480-100 I/P: 100-240V, 50/60Hz, MAX 1.5A O/P: 48.0V 1.0A 48.0W Manufacturer: Shenzhen Gospell Digital Technology Co., Ltd.

Note 1: The information of antenna gain and cable loss is provided by the manufacturer and our lab is not responsible for the accuracy of the antenna gain and cable loss information.

1.2. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart E:

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E §15.407	Radio Frequency Devices
2	KDB Publication 905462 D02v02	UNII DFS Compliance Procedures New Rules

Test detailed items/section required by FCC rules and results are as below:

No.	FCC Rule	Description	Result
1	15.407 (h)(2)	U-NII Detection Bandwidth	PASS
2		Initial Channel Availability Check Time CAC)	PASS
3		Radar Burst at the Beginning of the CAC	PASS
4		Radar Burst at the End of the CAC	PASS
5		Channel Move Time	PASS
6		Channel Closing Transmission Time	PASS
7		Non- Occupancy Period	PASS

1.3. Laboratory Facilities

FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until Jun. 30th, 2025.

ISED Registration: 11185A

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A on Aug. 04, 2016, valid time is until Jun. 30th, 2025.

CAB number: CN0064

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

2. U-NII DFS Rule Requirements

2.1. Working modes and required test items

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

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

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

Table 2: Applicability of DFS Requirements during normal operation

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

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 (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

2.2. Test limits and radar signal parameters

Table 3 below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

Table 3: DFS Detection thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Note 1, 2 and 3)
≥ 200 millwatt	-64 dBm
< 200 millwatt 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. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4 provides the response requirements for Master and Client Devices incorporating DFS.

Table 4: DFS Response requirement values

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	100% of the UNII 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 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

2.3. Parameters of radar test waveforms

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5: Short pluse 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 Test B:15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1μsec, excluding PRI values selected in Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 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.

Table 6: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

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

Table 7: Frequency Hopping Radar Test Waveform

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

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

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

2.4. Test Setup

2.4.1. Setup for Master with injection at the Master

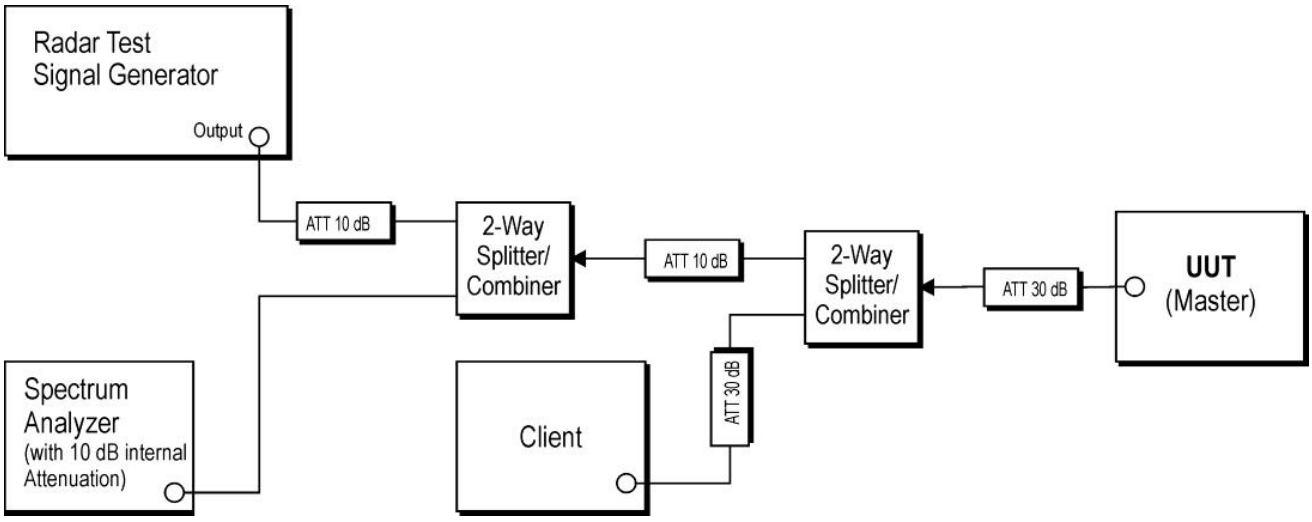


Figure 2: Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master

The UUT is a UNII device operating in master mode with radar detection. The radar test signals are injected into the master device.

2.4.2. Support Equipment

Support Unit used in test configuration and system			
Equipment	Brand Name	Model Name	FCC ID
Laptop	HP	TPN-Q221	N/A

3. UTEST RESULT OF U-NII DFS

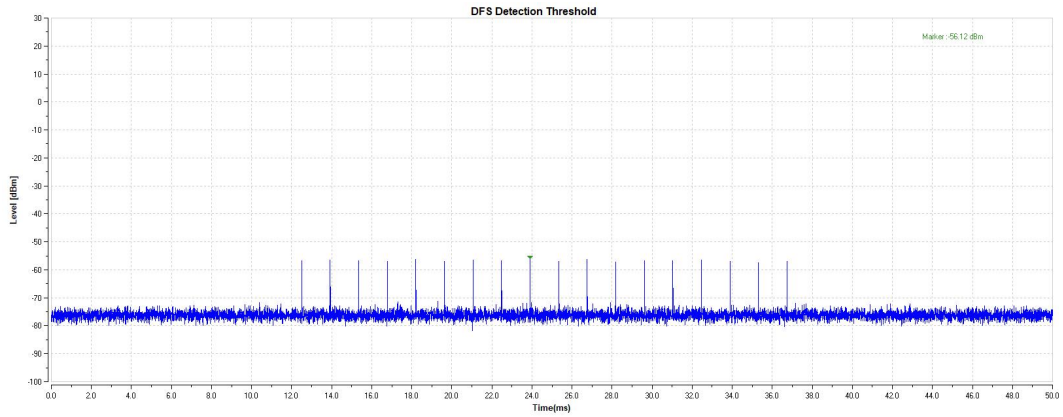
3.1. DFS Detection Thresholds

3.1.1. Test Result

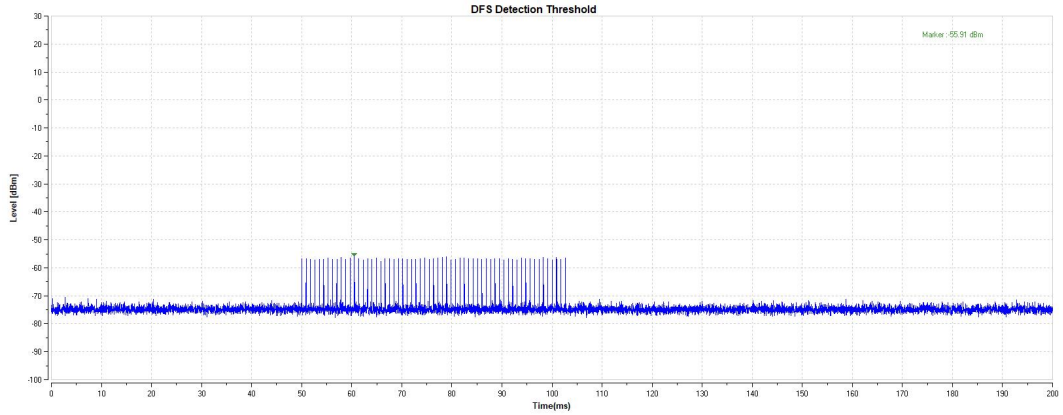
Test Mode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11AX160	5250	Type0	-56.12	-55.67	PASS
11AX160	5250	Type1	-55.91	-55.67	PASS
11AX160	5250	Type2	-55.88	-55.67	PASS
11AX160	5250	Type3	-55.91	-55.67	PASS
11AX160	5250	Type4	-55.82	-55.67	PASS
11AX160	5250	Type5	-56.00	-55.67	PASS
11AX160	5250	Type6	-55.75	-55.67	PASS
11AX160	5570	Type0	-56.14	-55.67	PASS
11AX160	5570	Type1	-56.17	-55.67	PASS
11AX160	5570	Type2	-56.09	-55.67	PASS
11AX160	5570	Type3	-56.12	-55.67	PASS
11AX160	5570	Type4	-55.84	-55.67	PASS
11AX160	5570	Type5	-55.97	-55.67	PASS
11AX160	5570	Type6	-55.88	-55.67	PASS

3.1.2. Test Graphs

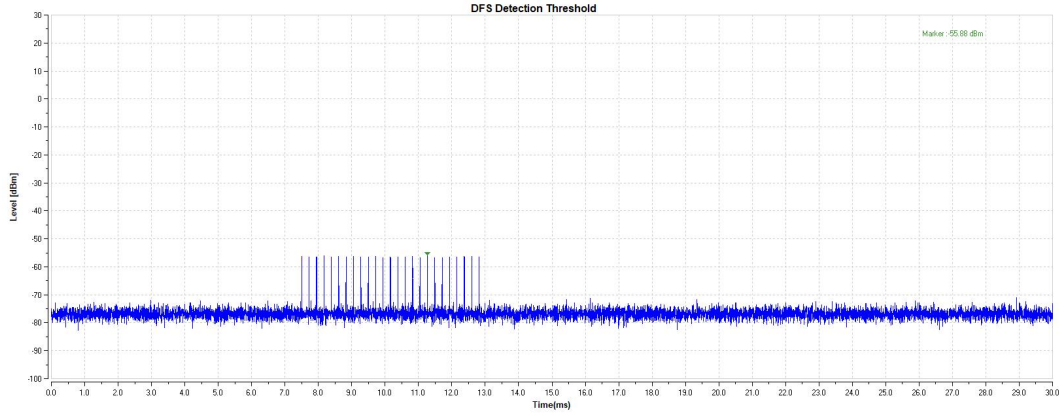
11AX160-5250-Type0-PASS



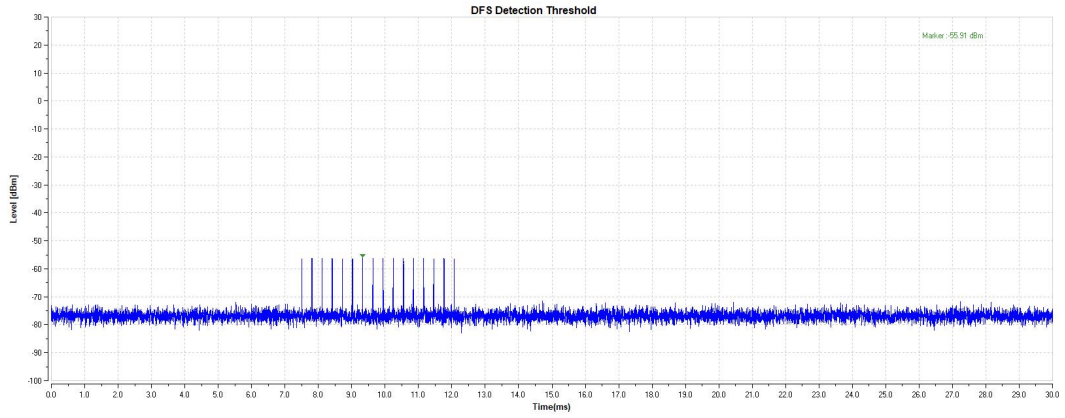
11AX160-5250-Type1-PASS



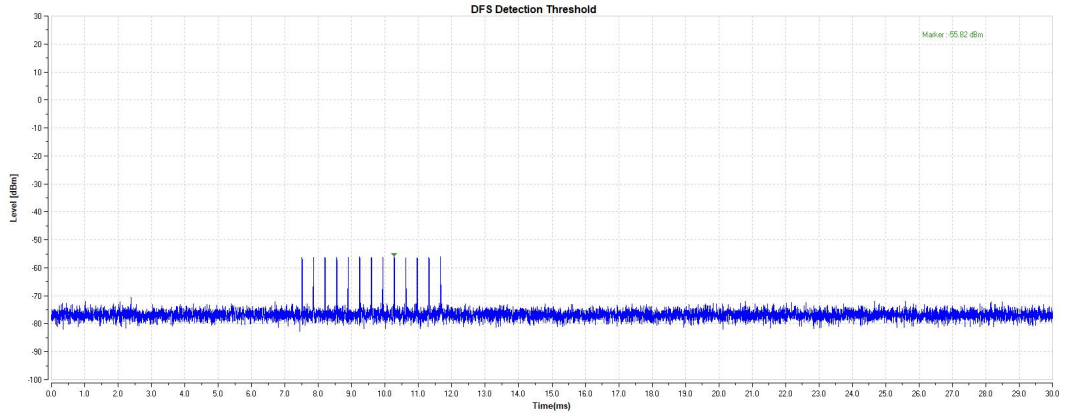
11AX160-5250-Type2-PASS



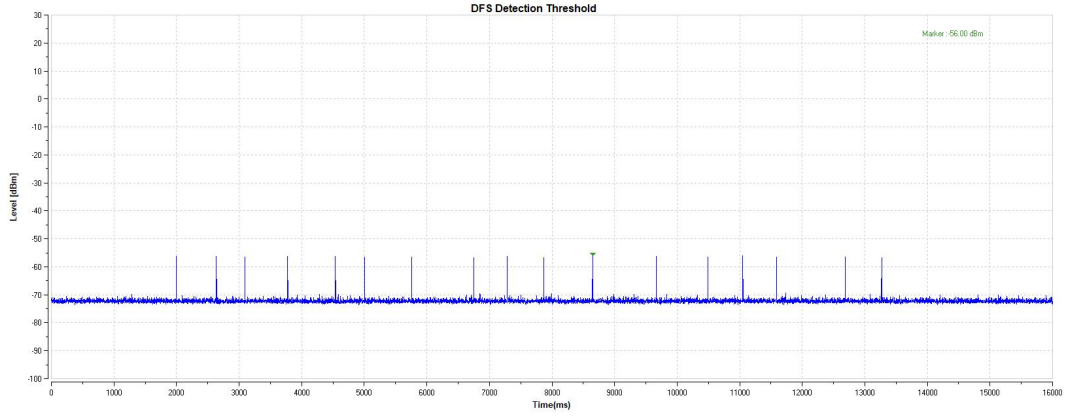
11AX160-5250-Type3-PASS



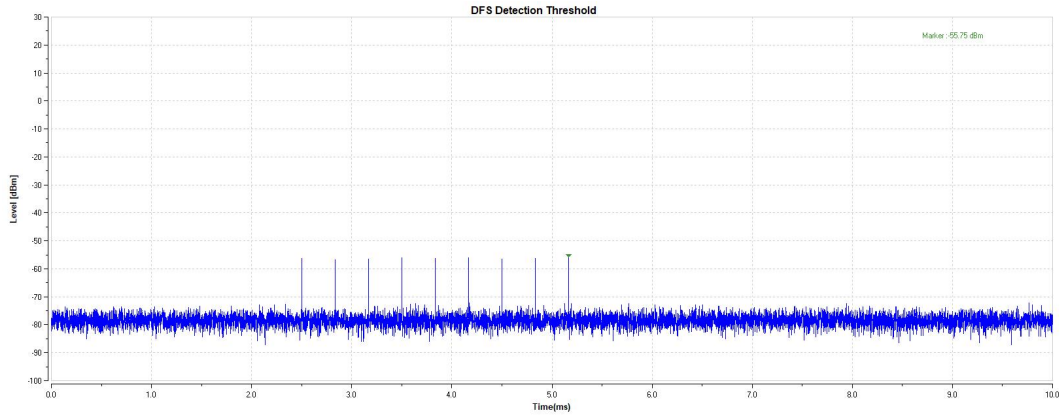
11AX160-5250-Type4-PASS



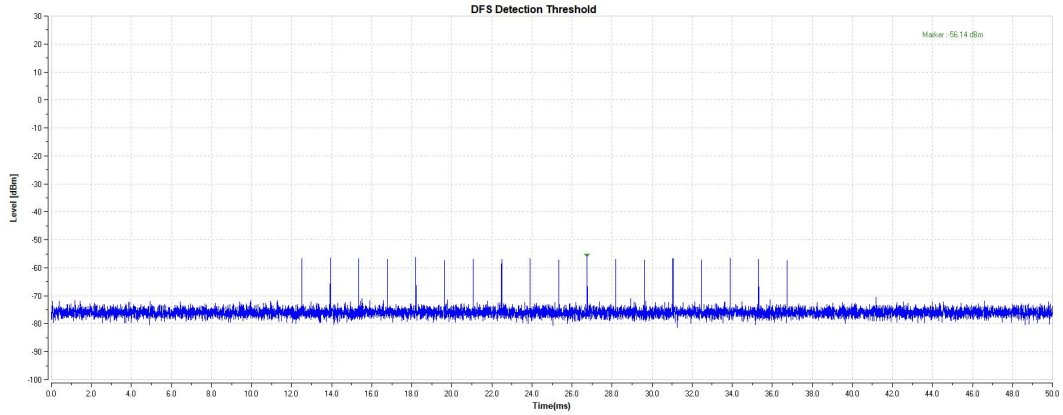
11AX160-5250-Type5-PASS



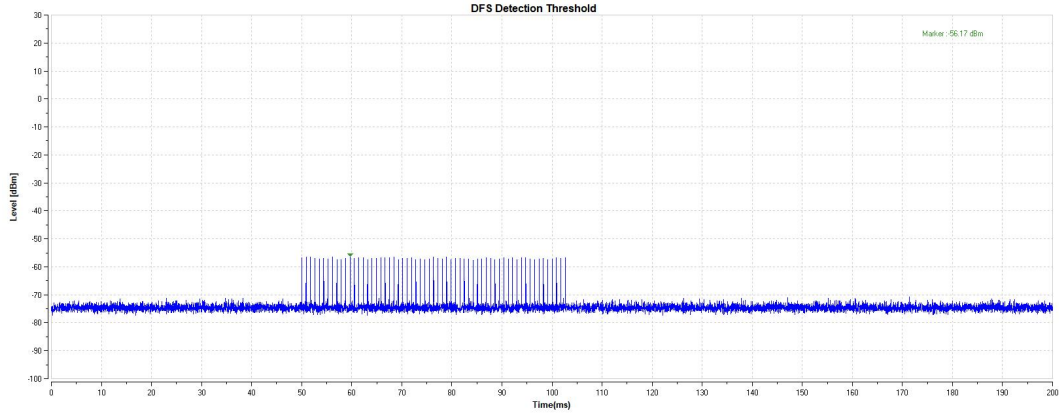
11AX160-5250-Type6-PASS



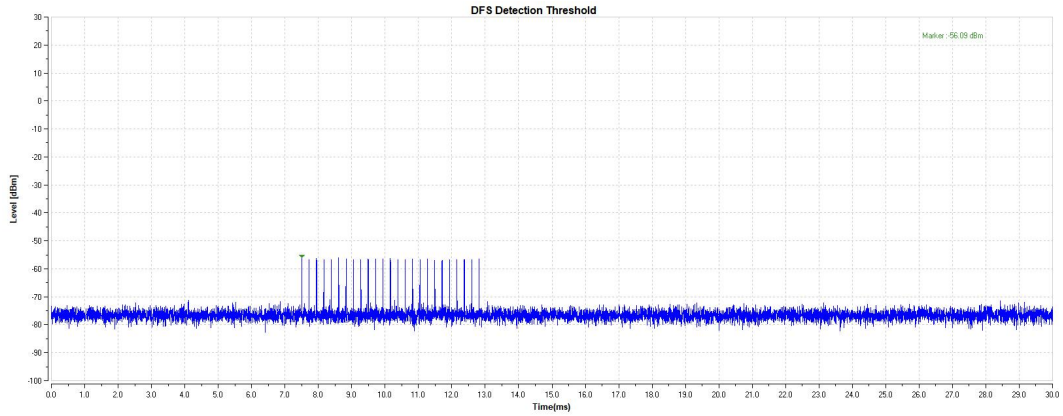
11AX160-5570-Type0-PASS



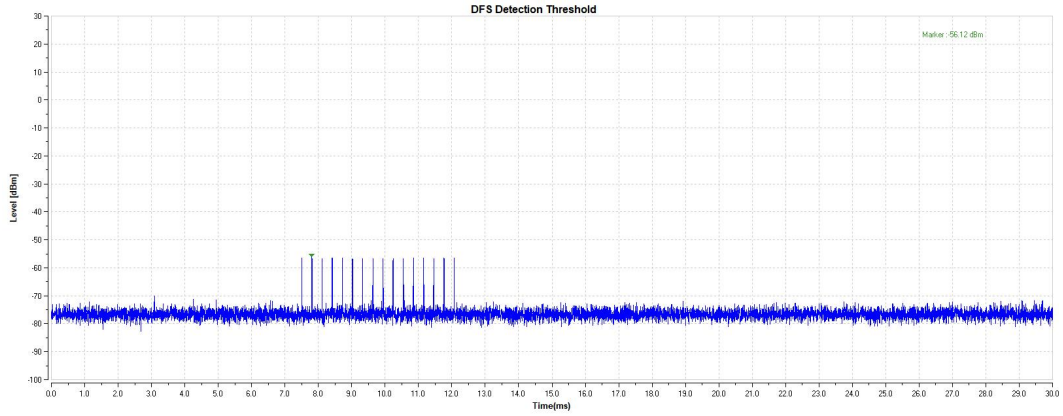
11AX160-5570-Type1-PASS



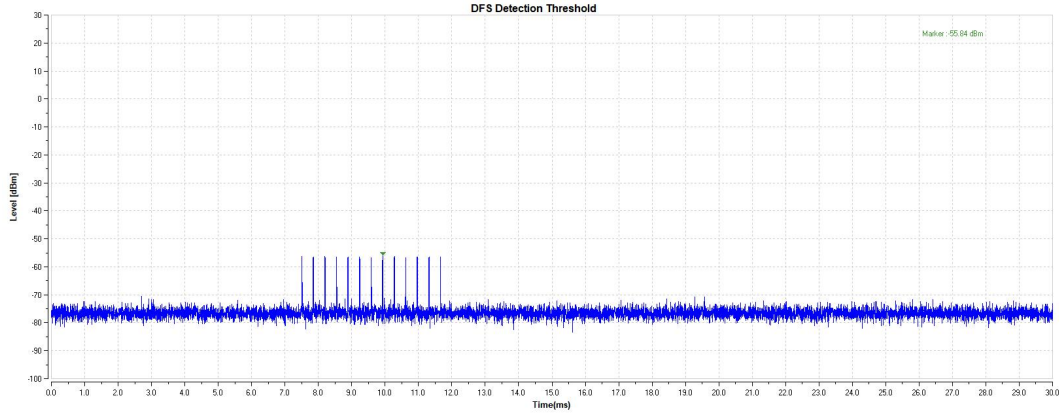
11AX160-5570-Type2-PASS



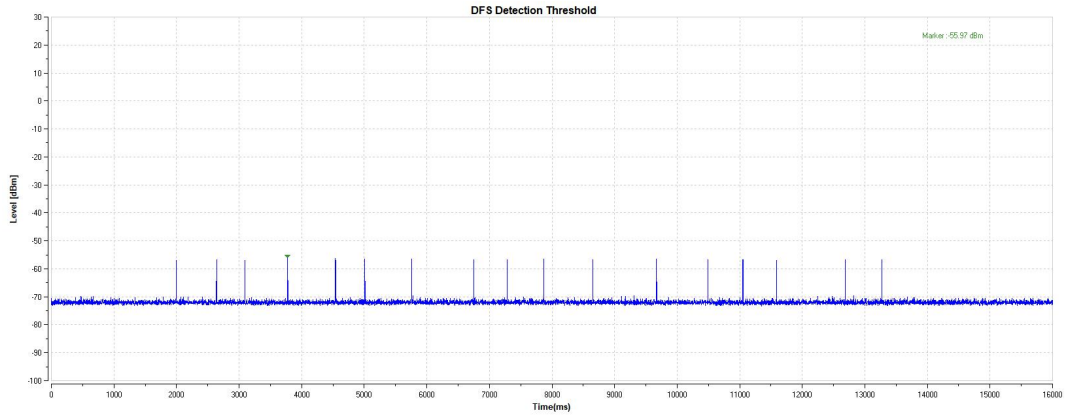
11AX160-5570-Type3-PASS



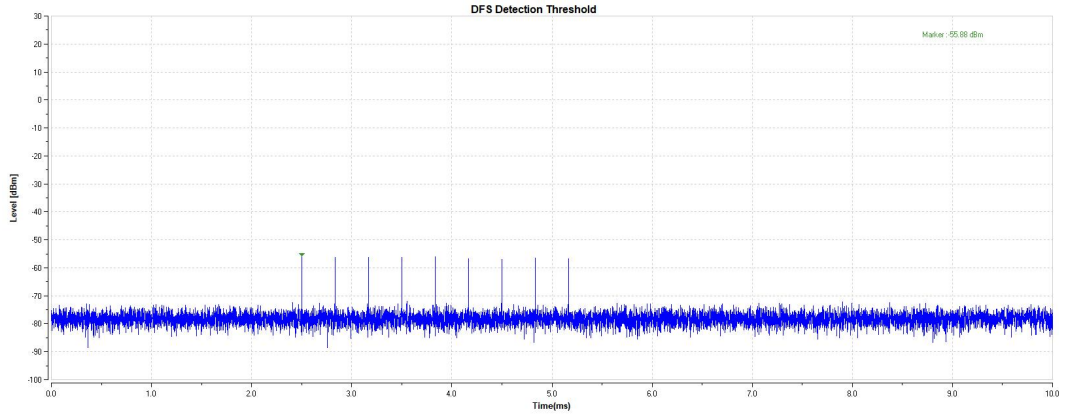
11AX160-5570-Type4-PASS



11AX160-5570-Type5-PASS



11AX160-5570-Type6-PASS



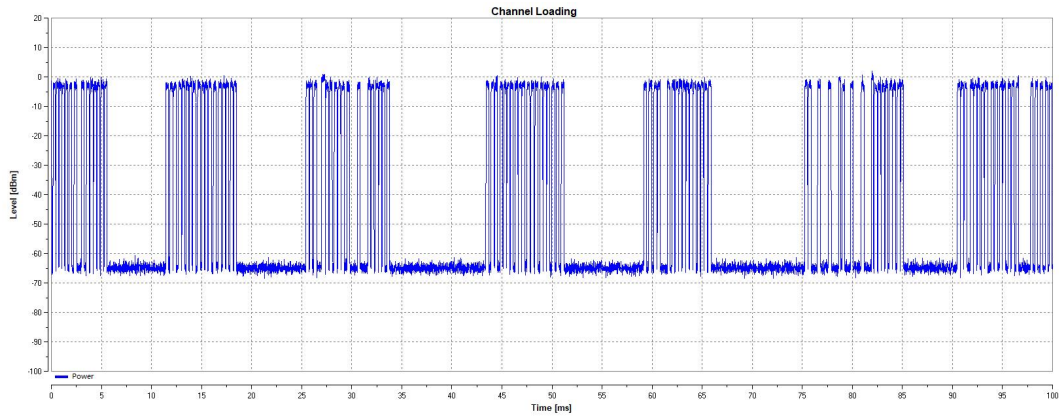
3.2. Channel loading

3.2.1. Test Result

TestMode	Frequency[MHz]	Result [%]	Limit [%]	Verdict
11AX160	5250	34.65	17	PASS

3.2.2. Test Graphs

11AX160-5250-PASS



3.3. UNII Detection Bandwidth

3.3.1. Test Result

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5500	5490	5510	20	17.228	116.09	≥100	PASS
11N40	5510	5490	5530	40	36.880	108.46	≥100	PASS
11AC80	5530	5490	5570	80	75.776	105.57	≥100	PASS
11AX160	5570	5490	5650	160	157.130	101.83	≥100	PASS

Test Mode	Frequency [MHz]	Radar Freq.	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Ratio (%)
11A	5500	5489	1	1	1	1	0	1	1	0	1	1	80
11A	5500	5490	1	0	1	1	1	1	1	1	1	1	90
11A	5500	5495	1	1	1	1	1	1	1	1	1	1	100
11A	5500	5500	1	1	1	1	1	1	1	1	1	1	100
11A	5500	5505	1	1	1	1	1	1	1	1	1	1	100
11A	5500	5510	1	1	1	1	1	1	1	1	0	1	90
11A	5500	5511	1	1	0	1	1	0	1	1	1	1	80
11N40	5510	5489	1	1	0	1	0	1	1	1	1	1	80
11N40	5510	5490	1	1	1	0	1	1	1	1	1	1	90
11N40	5510	5495	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5500	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5505	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5510	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5515	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5520	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5525	1	1	1	1	1	1	1	1	1	1	100
11N40	5510	5530	1	1	1	1	1	1	1	0	1	1	90
11N40	5510	5531	1	0	1	1	0	1	1	1	1	1	80
11AC80	5530	5489	1	1	1	1	0	0	1	1	1	1	80
11AC80	5530	5490	1	1	1	1	1	1	1	1	0	1	90
11AC80	5530	5495	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5500	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5505	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5510	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5515	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5520	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5525	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5530	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5535	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5540	1	1	1	1	1	1	1	1	1	1	100

11AC80	5530	5545	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5550	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5555	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5560	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5565	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5570	1	0	1	1	1	1	1	1	1	1	90
11AC80	5530	5571	1	1	0	1	1	1	1	0	1	1	80
11AX160	5570	5489	0	1	1	1	1	1	1	0	1	1	80
11AX160	5570	5490	1	1	1	0	1	1	1	1	1	1	90
11AX160	5570	5495	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5500	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5505	1	1	1	1	1	1	1	1	1	1	100
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11AX160	5570	5575	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5580	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5585	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5590	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5595	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5600	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5605	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5610	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5615	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5620	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5625	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5630	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5635	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5640	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5645	1	1	1	1	1	1	1	1	1	1	100
11AX160	5570	5650	1	1	1	0	1	1	1	1	1	1	90
11AX160	5570	5651	1	1	0	1	1	1	0	1	1	1	80

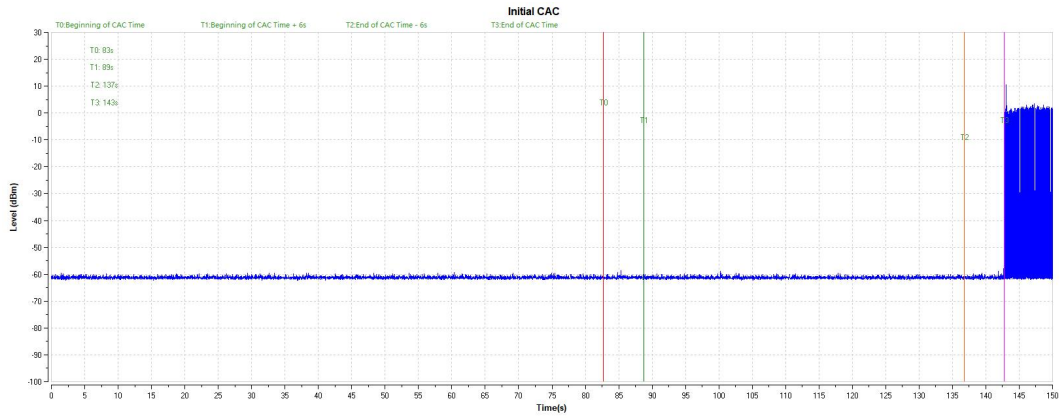
3.4. Channel Availability Check Time (CAC)

3.4.1. Test Result

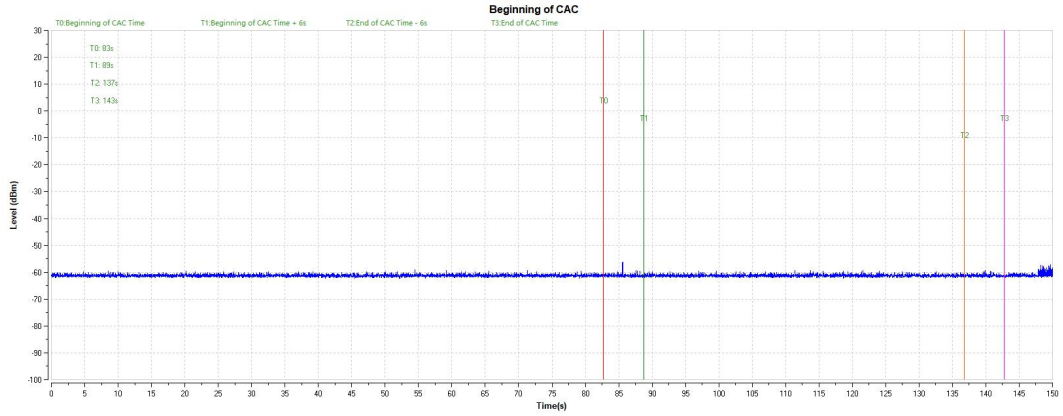
Test Item	Frequency[MHz]	Result	Verdict
Initial Channel Availability Check Time	5260	See test Graph	PASS
Beginning of Channel Availability Check Time	5260	See test Graph	PASS
End of Channel Availability Check Time	5260	See test Graph	PASS

3.4.2. Test Graphs

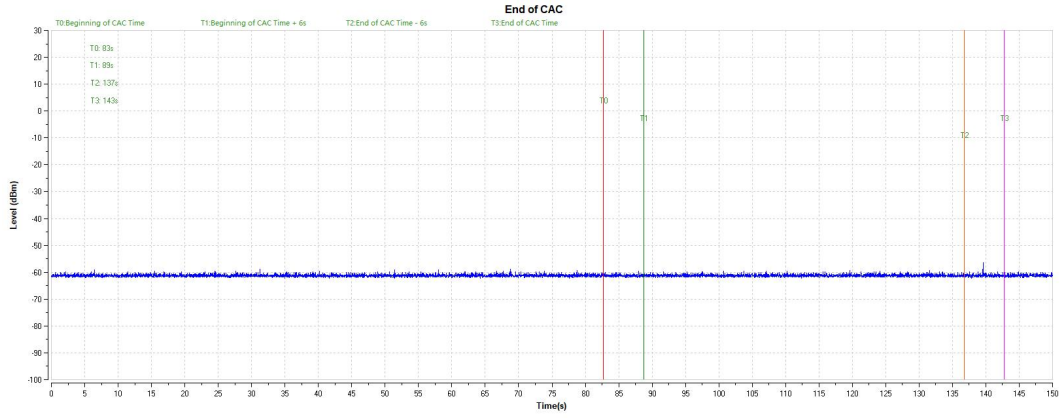
11A-5260-PASS_Initial CAC



11A-5260-Type0-PASS_Beginning CAC



11A-5260-Type0-PASS_End CAC



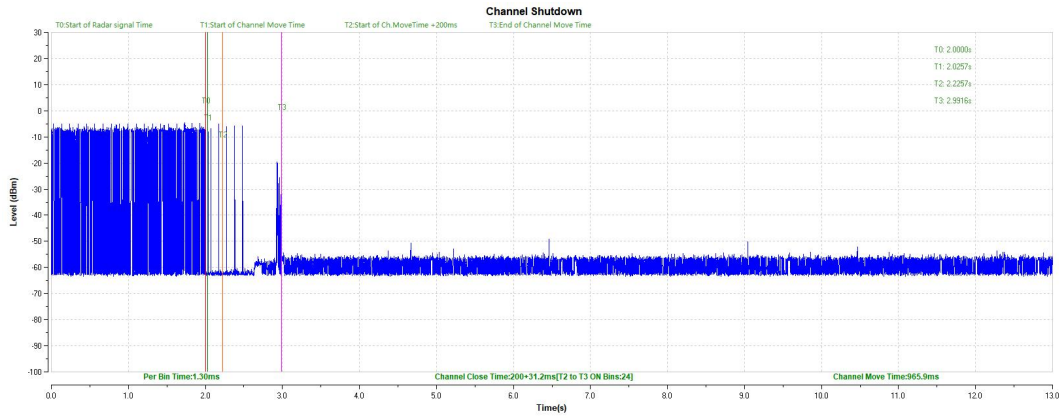
3.5. Channel Move Time and Channel Closing

3.5.1. Test Result

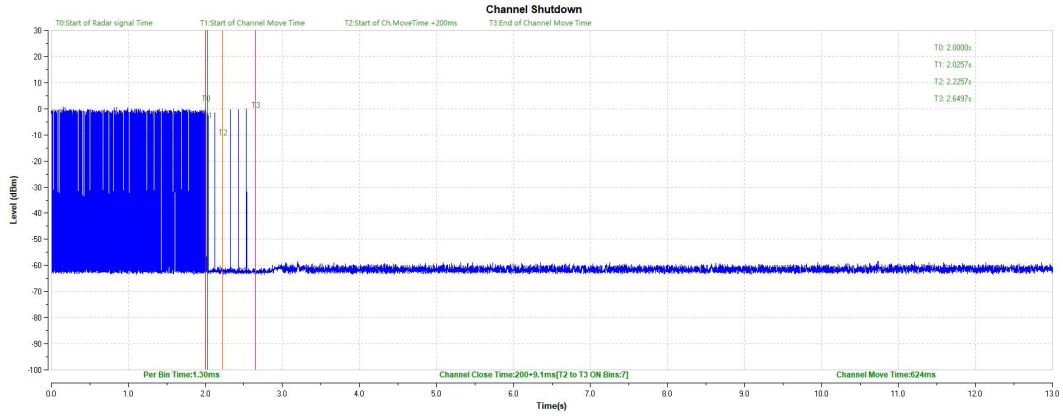
TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX160	5250	200+31.2	200+60	965.9	10000	PASS
11AX160	5570	200+9.1	200+60	624	10000	PASS

3.5.2. Test Graphs

11AX160-5250-Type0-PASS



11AX160-5570-Type0-PASS



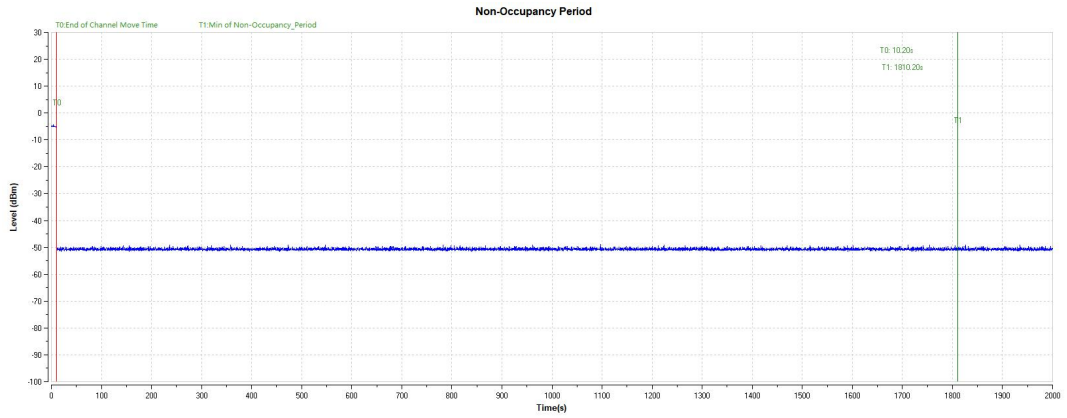
3.6. Non-Occupancy Period

3.6.1. Test Result

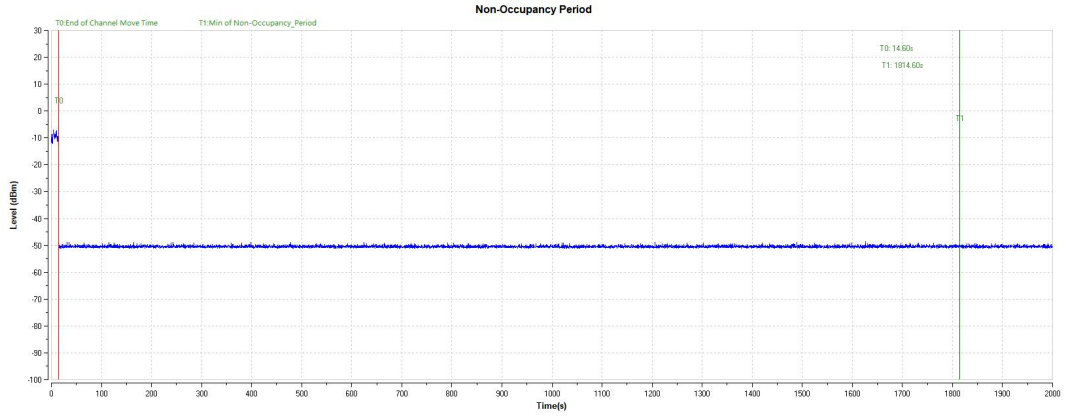
Test Mode	Frequency[MHz]	Result	Limit[s]	Verdict
11AX160	5250	see test graph	≥1800	PASS
11AX160	5570	see test graph	≥1800	PASS

3.6.2. Test Graphs

11AX160-5250-Type0-PASS



11AX160-5570-Type0-PASS



3.7. Statistical Performance check

3.7.1. Test Result

Radar Statistical Performance:

Test Mode	Fre.[MHz]	Radar Type	Total Times	Detected Times	Detection [%]	Limit[%]	Verdict
802.11ax20	5320	1	30	26	86.67	60	PASS
		2	30	27	90.00	60	PASS
		3	30	27	90.00	60	PASS
		4	30	30	100.00	60	PASS
		5	30	27	90.00	80	PASS
		6	30	28	93.33	70	PASS
		1~4	---	---	91.67	80	PASS
802.11ax40	5310	1	30	27	90.00	60	PASS
		2	30	25	83.33	60	PASS
		3	30	27	90.00	60	PASS
		4	30	28	93.33	60	PASS
		5	30	26	86.67	80	PASS
		6	30	30	100.00	70	PASS
		1~4	---	---	89.17	80	PASS
802.11ax80	5290	1	30	27	90.00	60	PASS
		2	30	28	93.33	60	PASS
		3	30	27	90.00	60	PASS
		4	30	25	83.33	60	PASS
		5	30	29	96.67	80	PASS
		6	30	25	83.33	70	PASS
		1~4	---	---	89.17	80	PASS
802.11ax160	5250	1	30	28	93.33	60	PASS
		2	30	28	93.33	60	PASS
		3	30	26	86.67	60	PASS
		4	30	26	86.67	60	PASS
		5	30	27	90.00	80	PASS
		6	30	28	93.33	70	PASS
		1~4	---	---	90.00	80	PASS

Note 1: The percentage of successful detection is calculated by:
(TotalWaveformDetections / TotalWaveformTials)*100 = Probability of Detection Radar Waveform.

Note 2: The minimum percentage of successful detections for all Type 1-4 short pulse radars, calculated as follows:
($P_d1 + P_d2 + P_d3 + P_d4$) / 4.

802.11ax_20MHz_5320MHz:

Trial ID	Detection (1: Yes; 0: No)					
	Radar Type 1	Radar Type 2	Radar Type 3	Radar Type 4	Radar Type 5	Radar Type 6
0	1	1	1	1	1	1
1	1	1	1	1	1	0
2	1	1	1	1	1	1
3	0	1	1	1	1	1
4	1	0	1	1	0	1
5	1	1	1	1	1	1
6	1	1	1	1	1	1
7	1	1	0	1	1	1
8	1	1	1	1	1	1
9	1	0	1	1	1	1
10	1	1	1	1	1	0
11	1	1	1	1	0	1
12	0	1	1	1	1	1
13	1	1	0	1	1	1
14	1	1	1	1	1	1
15	1	1	1	1	1	1
16	1	1	1	1	1	1
17	0	1	1	1	1	1
18	1	1	1	1	1	1
19	1	1	1	1	0	1
20	1	1	1	1	1	1
21	1	1	1	1	1	1
22	1	1	1	1	1	1
23	1	1	0	1	1	1
24	1	1	1	1	1	1
25	0	1	1	1	1	1
26	1	1	1	1	1	1
27	1	0	1	1	1	1
28	1	1	1	1	1	1
29	1	1	1	1	1	1

802.11ax_40MHz_5310MHz:

Trial ID	Detection (1: Yes; 0: No)					
	Radar Type 1	Radar Type 2	Radar Type 3	Radar Type 4	Radar Type 5	Radar Type 6
0	1	1	1	1	1	1
1	1	1	1	1	1	1
2	1	0	1	1	1	1
3	1	1	1	1	1	1
4	1	0	1	1	0	1
5	1	1	0	1	1	1
6	1	1	1	1	1	1
7	1	1	1	1	1	1
8	0	1	1	1	1	1
9	1	1	1	1	1	1
10	1	1	1	1	1	1
11	1	1	1	1	1	1
12	1	0	1	0	0	1
13	1	1	1	1	1	1
14	1	1	1	1	1	1
15	1	1	1	1	1	1
16	1	1	1	1	1	1
17	1	1	1	1	1	1
18	0	1	1	1	0	1
19	1	1	0	1	1	1
20	1	1	1	0	1	1
21	1	1	1	1	1	1
22	1	0	1	1	1	1
23	1	1	1	1	1	1
24	1	1	1	1	1	1
25	1	1	1	1	1	1
26	1	0	0	1	0	1
27	1	1	1	1	1	1
28	0	1	1	1	1	1
29	1	1	1	1	1	1

802.11ax_80MHz_5290MHz:

Trial ID	Detection (1: Yes; 0: No)					
	Radar Type 1	Radar Type 2	Radar Type 3	Radar Type 4	Radar Type 5	Radar Type 6
0	1	1	1	1	1	1
1	0	1	1	1	1	1
2	1	1	1	0	1	1
3	1	1	0	1	1	1
4	1	1	1	1	1	1
5	1	1	1	1	1	0
6	1	0	1	1	1	1
7	1	1	1	1	1	1
8	1	1	1	1	1	1
9	1	1	1	1	0	0
10	1	1	1	0	1	1
11	0	1	1	1	1	1
12	1	1	1	1	1	1
13	1	1	1	1	1	1
14	1	1	0	1	1	1
15	1	1	1	1	1	1
16	1	1	1	0	1	1
17	1	1	1	1	1	1
18	1	1	1	1	1	1
19	0	1	1	1	1	1
20	1	1	1	1	1	0
21	1	1	1	0	1	1
22	1	1	0	1	1	1
23	1	1	1	1	1	1
24	1	1	1	1	1	0
25	1	1	1	1	1	1
26	1	0	1	0	1	1
27	1	1	1	1	1	1
28	1	1	1	1	1	1
29	1	1	1	1	1	0

802.11ax_160MHz_5250MHz:

Trial ID	Detection (1: Yes; 0: No)					
	Radar Type 1	Radar Type 2	Radar Type 3	Radar Type 4	Radar Type 5	Radar Type 6
0	1	1	1	1	1	1
1	0	1	1	1	1	1
2	1	1	1	1	1	1
3	1	1	1	0	0	1
4	1	1	1	1	1	1
5	0	1	1	1	1	1
6	1	1	0	1	1	1
7	1	1	1	1	1	1
8	1	1	1	1	1	1
9	1	0	1	1	1	1
10	1	1	1	1	1	1
11	1	1	1	0	1	1
12	1	1	1	1	0	1
13	1	1	1	1	1	1
14	1	1	0	1	1	0
15	1	0	1	1	1	1
16	1	1	1	1	1	1
17	1	1	1	1	1	1
18	1	1	1	1	1	1
19	1	1	1	1	1	1
20	1	1	1	1	1	1
21	1	1	1	0	1	1
22	1	1	0	1	1	1
23	1	1	1	1	1	1
24	1	1	1	1	1	1
25	1	1	1	1	1	1
26	1	1	1	1	1	1
27	1	1	0	1	1	0
28	1	1	1	0	0	1
29	1	1	1	1	1	1

4. List of measuring equipment

DFS Test System						
No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal Date	Due Date
1	Spectrum Analyzer	A140801886	FSV-40	R&S	2023.10.20	2024.10.19
2	Vector Signal Generator	A130901494	SMBV100A	R&S	2024.01.18	2025.01.17

** END OF REPORT **