DFS Test Report

FCC ID: 2AXCW-PG1830CR

Report No.	:	TBR-C-202411-0277-12
Applicant	:	Kaonbroadband Co., LTD.
Equipment Under Test (EUT)		
EUT Name	:	GPON Gateway
Model No.	:	PG1830CR
Series Model No.	:	N/A
Brand Name	:	KAON BROADBAND
Sample ID	:	HC-C-202411-0277-01-01& HC-C-202411-0277-01-02
Receipt Date	:	2024-12-09
Test Date	:	2024-12-10 to 2025-04-11
Issue Date	:	2025-04-15
Standards	:	47 CFR FCC Part 15.407
Test Method	:	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
Conclusions	:	**PASS**

In the configuration tested, the EUT complied with the standards specified above.

Test By	:	Rick Chen
Reviewed By	:	Wade Lv
Approved By	:	Ivan Su

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Contents

Revision History

Report No.	Version	Description	Issued Date
TBR-C-202411-0277-12	Rev.01	Initial issue of report	2025-04-15

1. General Information about EUT

1.1. Client Information

Applicant	:	Kaonbroadband Co., LTD.
Address	:	884-3, Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea
Manufacturer	:	Kaonbroadband Co., LTD.
Address	:	884-3, Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea

1.2. General Description of EUT (Equipment Under Test)

EUT Name	:	GPON Gateway
HVIN/Models No.	:	PG1830CR
Model Difference	:	N/A
Operating Frequency Band	:	☒ 5250-5320MHz
		☒ 5500-5720MHz
TPC	:	☐ No ☒ Yes
Power Rating	:	AC Adapter (Model: FC018A03-120015U): Input: 100-240V~, 50/60Hz, 0.6A Output: 12V⎓1.5A 18.0W
Software Version	:	N/A
Hardware Version	:	1.2
Remark	:	This device was functioned as a ☒Master ☐Slave device with radar detection ☐Slave device without radar detection

Note:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(2) Antenna information provided by the applicant.

Antenna	Model Name	Type	Antenna Gain (dBi)
ANT. 1	N/A	PCB	U-NII-2A: 3.94
			U-NII-2C: 3.43
ANT. 2	N/A	PCB	U-NII-2A: 5.01
			U-NII-2C: 4.98

(3) Conducted Output Power&E.I.R.P and PSD

Mode: TX (802.11a)					
Fre. Band(MHz)	Max. Conducted Output Power(dBm)		PSD (dBm/MHz)	Max. E.I.R.P (dBm)	Max. E.I.R.P (mW)
	Ant.1	Ant.2			
5250~5320	14.89	16.11	9.43	21.12	129.42
5500~5720	15.47	15.63	9.43	20.61	115.08
Mode: TX (802.11n40)					
Fre. Band(MHz)	Max. Conducted Output Power(dBm)		PSD (dBm/MHz)	Max. E.I.R.P (dBm)	Max. E.I.R.P (mW)
	Ant.1	Ant.2			
5250~5320	17.87	18.93	8.99	23.94	247.742
5500~5720	17.91	17.88	8.63	22.86	193.197
Mode: TX (802.11ac80)					
Fre. Band(MHz)	Max. Conducted Output Power(dBm)		PSD (dBm/MHz)	Max. E.I.R.P (dBm)	Max. E.I.R.P (mW)
	Ant.1	Ant.2			
5250~5320	18.16	19.01	5.75	24.02	252.348
5500~5720	17.42	17.80	5.81	22.78	189.671
Mode: TX (802.11ax160)					
Fre. Band(MHz)	Max. Conducted Output Power(dBm)		PSD (dBm/MHz)	Max. E.I.R.P (dBm)	Max. E.I.R.P (mW)
	Ant.1	Ant.2			
5250~5320	18.73	18.78	3.97	23.79	239.332
5500~5720	18.90	18.13	3.86	23.11	204.644

1.3. Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)
The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01
The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025： 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)
The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.

2. Test Software

Test Item	Test Software	Manufacturer	Version No.
RF Test System	JS1120-3	Tonscend	V3.2.22

3. Support Equipment

Equipment Information				
Name	**Model**	**S/N**	**Manufacturer**	**Used "√"**
Notebook	T430	-----	Thinkpad	√
Notebook	T450s	-----	Thinkpad	√
Tablet computer	AYANEO AIR Pro	-----	AYANEO	√

4. Test Equipment

Antenna Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 17, 2024	Jun. 16, 2025
Vector Signal Generator	Agilent	N5182A	MY50141294	Aug. 29, 2024	Aug. 28, 2025
Analog Signal Generator	Agilent	N5181A	MY48180463	Aug. 29, 2024	Aug. 28, 2025
Vector Signal Generator	KEYSIGHT	N5182B	MY59101429	Aug. 29, 2024	Aug. 28, 2025
Analog Signal Generator	KEYSIGHT	N5173B	MY61252685	Aug. 29, 2024	Aug. 28, 2025
Frequency Extender	KEYSIGHT	N5182BX07	MY59360126	Aug. 29, 2024	Aug. 28, 2025
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 29, 2024	Aug. 28, 2025
Power Control Box	Tonsced	JS0806-4ADC	21C8060387	N/A	N/A

5. U-NII DFS Rule Requirements

5.1. Applicability of DFS requirements

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 a channel

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

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth modes	☒Master Device or Client with Radar Detection	☐Client without Detection
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 widest BW mode available
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 20MHz channels and the channel center frequency.		

5.2. Test Limits and Radar Signal Parameters

DETECTION THRESHOLD VALUES

Table 5: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection.

Maximum Transmit Power	Value (See Notes 1 and 2)
EIRP≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and Power pectral 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: E.I.R.P is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 6: 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	Minimum 100% of the UNII 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.

PARAMETERS OF DFS TEST SIGNALS

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

Table 7: 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 $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	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.

Table 7a: 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

Table 8: 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（The center frequency for each of the 30 trials of the Bin 5 radar shall be randomly selected within 80% of the Occupied Bandwidth.） 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 9: Frequency Hopping Radar Test Waveform

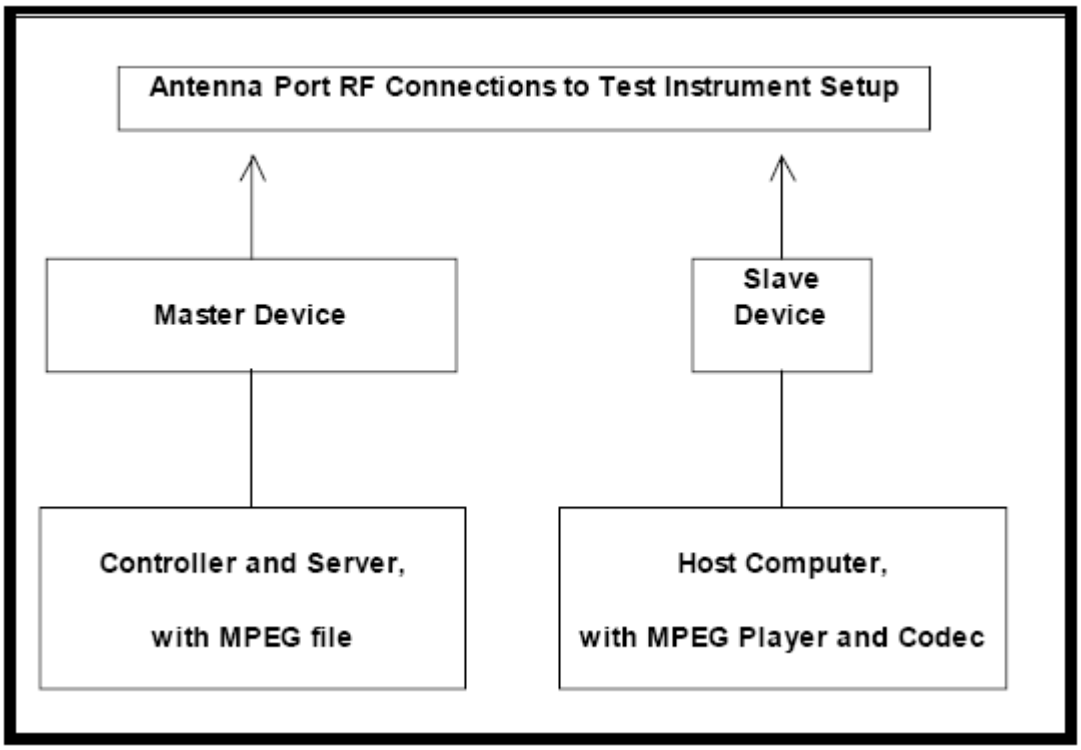
Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

Note: For more information about parameters of DFS test signals please refer to appendix C.

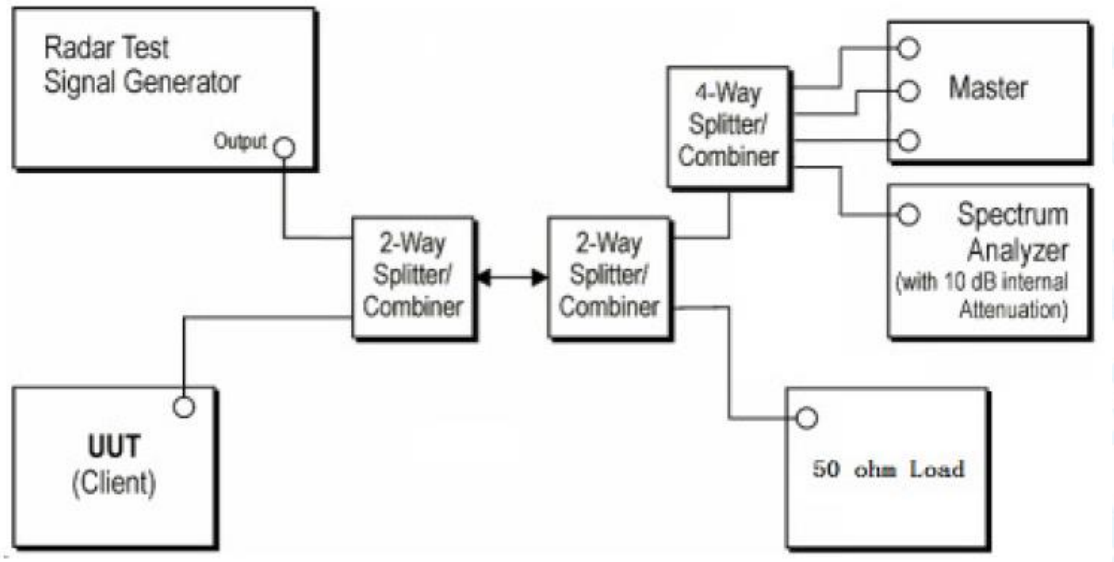
6. Calibration of Radar Waveform

6.1. Test Procedure

1. A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected in place of the master device and the signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –62dBm as measured on the spectrum analyzer.
2. Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. Measure the amplitude and calculate the difference from –62dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference.
3. The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –62dBm and the spectrum analyzer will still indicate the level as received by the Master Device.
4. Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.



6.2. Conducted Calibration Test Setup



6.3. Deviation from Test Standard

No Deviation

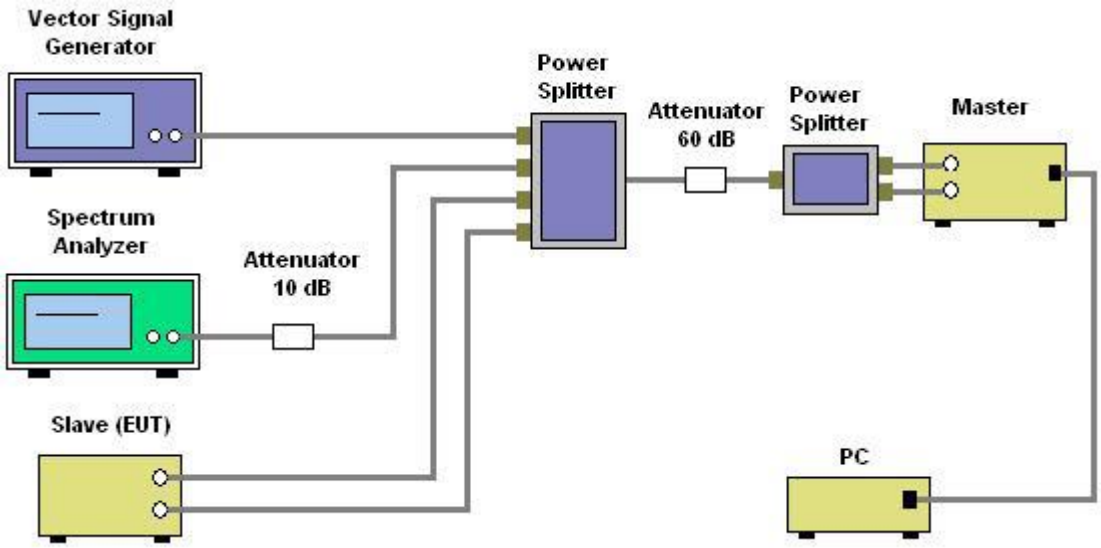
6.4. Radar Waveform Calibration Result

7. U-NII DFS Testing

7.1. Test Procedure

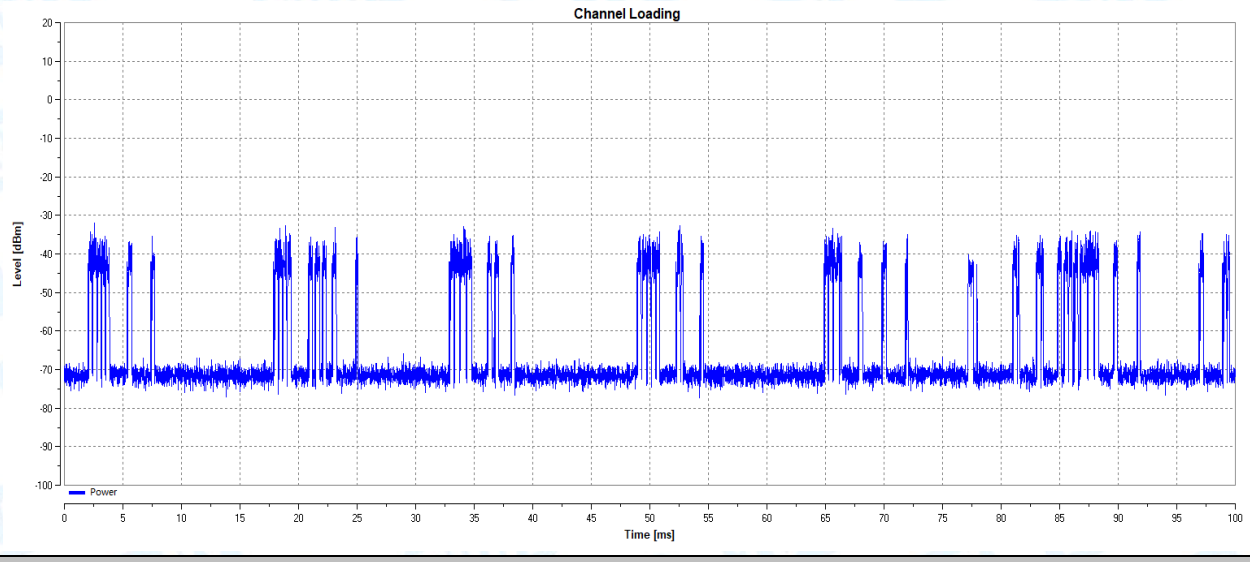
1. Master device and client device are set up by conduction method as the following configuration.
2. The client device is connected to notebook and to access a IP address on wireless connection with the master device.
3. Then the master device is connected to another notebook to access a IP address.
4. Finally, let the two IP addresses run traffic with each other through the Run flow software “Lan test” to reach 17% channel loading as below:

7.2. Test Setup

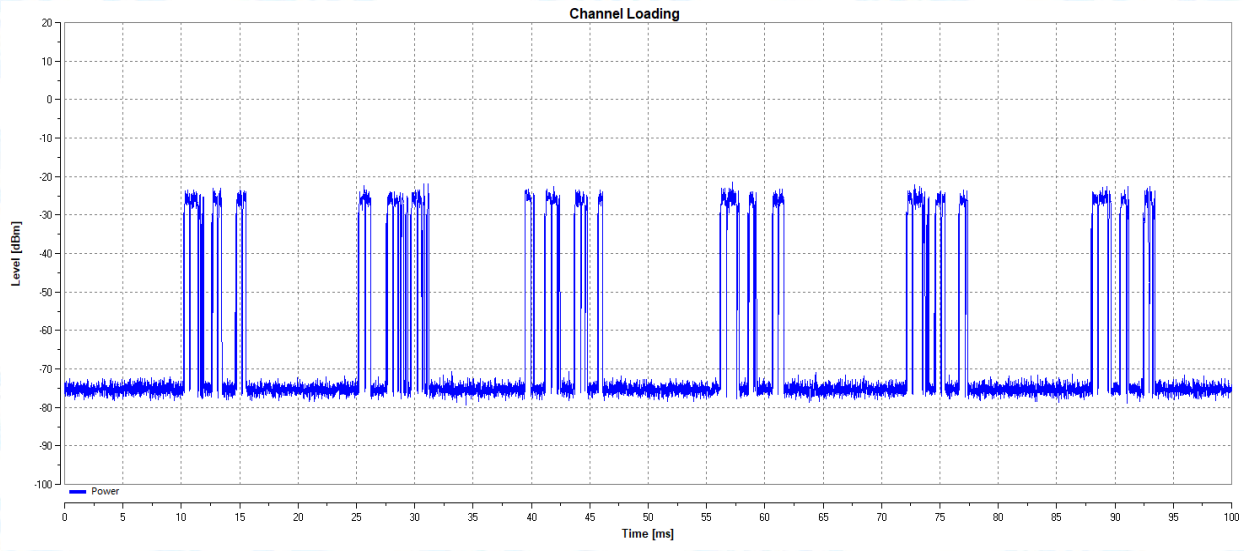


7.3. Channel Loading

Test Mode	Frequency[MHz]	Result	Limit [%]	Verdict
11AX160	5250	17.48	17	PASS
	5570	18.80	17	PASS



11AX160-5250-PASS



11AX160-5570-PASS

8. Testing Results

8.1. Summary of Test Results

Clause	Test Parameter	Remarks	Pass/Fail
FCC 15.407	DFS Detection Threshold	**Applicable**	**Pass**
FCC 15.407	Channel Availability Check Time	**Applicable**	**Pass**
FCC 15.407	Channel Move Time	**Applicable**	**Pass**
FCC 15.407	Channel Closing Transmission Time	**Applicable**	**Pass**
FCC 15.407	Non- Occupancy Period	**Applicable**	**Pass**
FCC 15.407	Uniform Spreading	**Applicable**	**Pass**
FCC 15.407	U-NII Detection Bandwidth	**Applicable**	**Pass**
Test Mode			
Device operating in master mode. Master with injection at the Master. (Radar Test Waveforms are injected into the Master)			

8.2. DFS Detection Threshold

Calibration:

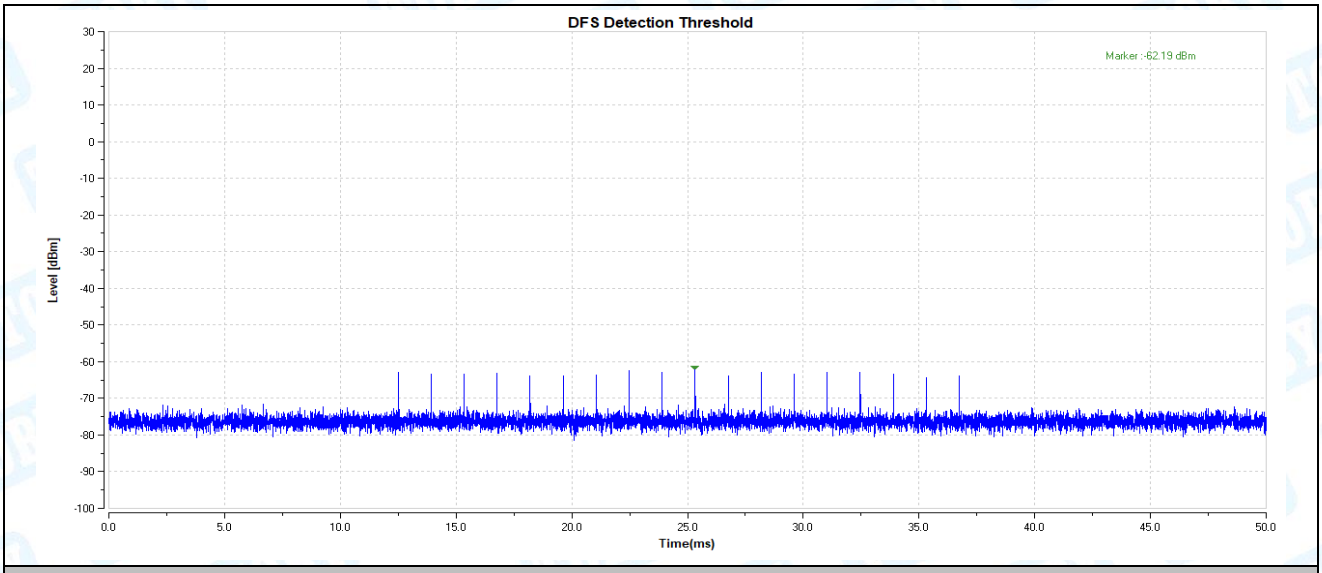
For a detection threshold level of -64dBm and the Min. antenna gain is 3.43dBi, required detection threshold is -60.57dBm=(-64+3.43)dBm.

To meet the stringent requirement, the DFS test used the detection threshold level of -62dBm.

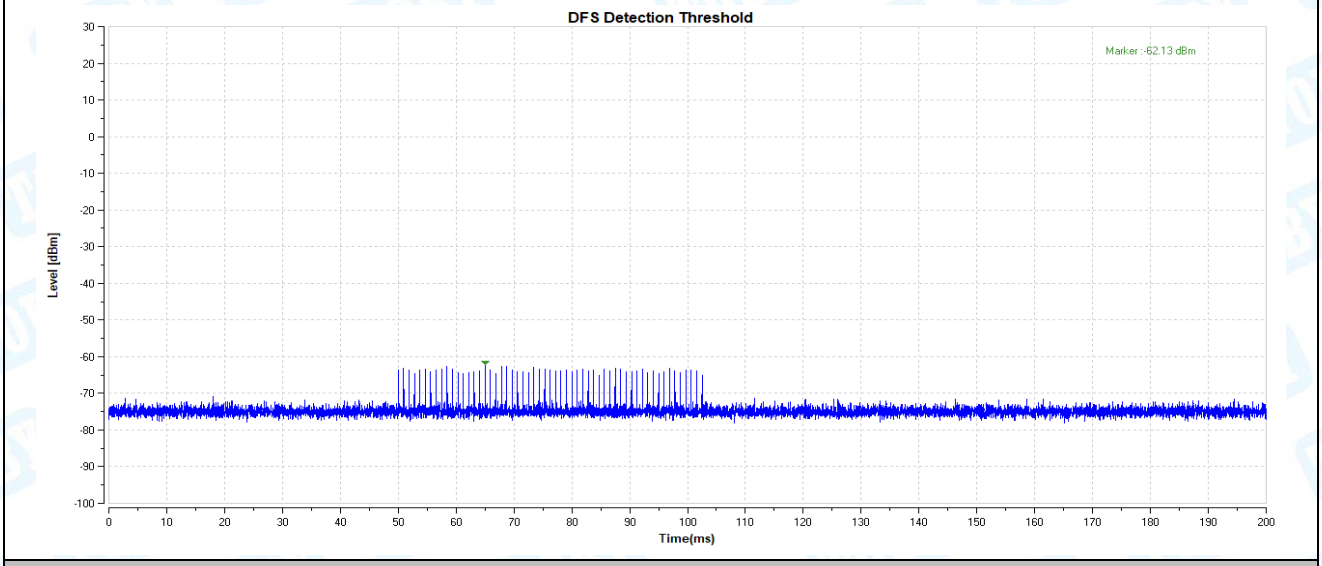
Note: EIRP ＞200 milliwatt in this report, so detection threshold level is -64dBm (please refer to page 5).

8.3. Radar Waveform Calibration

Test Mode	Frequency[MHz]	Radar Type	Result	Limit[dBm]	Verdict
11A	5260	Type0	-62.19	-62.00	PASS
11A	5260	Type1	-62.13	-62.00	PASS
11A	5260	Type2	-62.09	-62.00	PASS
11A	5260	Type3	-62.05	-62.00	PASS
11A	5260	Type4	-62.43	-62.00	PASS
11A	5260	Type5	-62.39	-62.00	PASS
11A	5260	Type6	-62.34	-62.00	PASS
11A	5500	Type0	-62.36	-62.00	PASS
11A	5500	Type1	-62.25	-62.00	PASS
11A	5500	Type2	-62.09	-62.00	PASS
11A	5500	Type3	-62.16	-62.00	PASS
11A	5500	Type4	-62.32	-62.00	PASS
11A	5500	Type5	-62.43	-62.00	PASS
11A	5500	Type6	-62.14	-62.00	PASS
11N40	5270	Type0	-62.23	-62.00	PASS
11N40	5270	Type1	-62.35	-62.00	PASS
11N40	5270	Type2	-62.05	-62.00	PASS
11N40	5270	Type3	-62.05	-62.00	PASS
11N40	5270	Type4	-62.08	-62.00	PASS
11N40	5270	Type5	-62.30	-62.00	PASS
11N40	5270	Type6	-62.03	-62.00	PASS
11N40	5510	Type0	-62.25	-62.00	PASS
11N40	5510	Type1	-62.02	-62.00	PASS
11N40	5510	Type2	-62.36	-62.00	PASS
11N40	5510	Type3	-62.24	-62.00	PASS
11N40	5510	Type4	-62.18	-62.00	PASS
11N40	5510	Type5	-62.48	-62.00	PASS
11N40	5510	Type6	-62.48	-62.00	PASS
11AC80	5290	Type0	-62.16	-62.00	PASS
11AC80	5290	Type1	-62.37	-62.00	PASS
11AC80	5290	Type2	-62.03	-62.00	PASS
11AC80	5290	Type3	-62.27	-62.00	PASS
11AC80	5290	Type4	-62.07	-62.00	PASS
11AC80	5290	Type5	-62.17	-62.00	PASS
11AC80	5290	Type6	-62.08	-62.00	PASS
11AC80	5530	Type0	-62.12	-62.00	PASS
11AC80	5530	Type1	-62.36	-62.00	PASS
11AC80	5530	Type2	-62.41	-62.00	PASS
11AC80	5530	Type3	-62.14	-62.00	PASS
11AC80	5530	Type4	-62.38	-62.00	PASS
11AC80	5530	Type5	-62.46	-62.00	PASS
11AC80	5530	Type6	-62.08	-62.00	PASS
11AX160	5250	Type0	-62.35	-62.00	PASS
11AX160	5250	Type1	-62.04	-62.00	PASS
11AX160	5250	Type2	-62.40	-62.00	PASS
11AX160	5250	Type3	-62.11	-62.00	PASS
11AX160	5250	Type4	-62.11	-62.00	PASS
11AX160	5250	Type5	-62.02	-62.00	PASS
11AX160	5250	Type6	-62.10	-62.00	PASS
11AX160	5570	Type0	-62.35	-62.00	PASS
11AX160	5570	Type1	-62.07	-62.00	PASS
11AX160	5570	Type2	-62.04	-62.00	PASS
11AX160	5570	Type3	-62.03	-62.00	PASS
11AX160	5570	Type4	-62.31	-62.00	PASS
11AX160	5570	Type5	-62.34	-62.00	PASS
11AX160	5570	Type6	-62.12	-62.00	PASS



11A-5260-Type0-PASS



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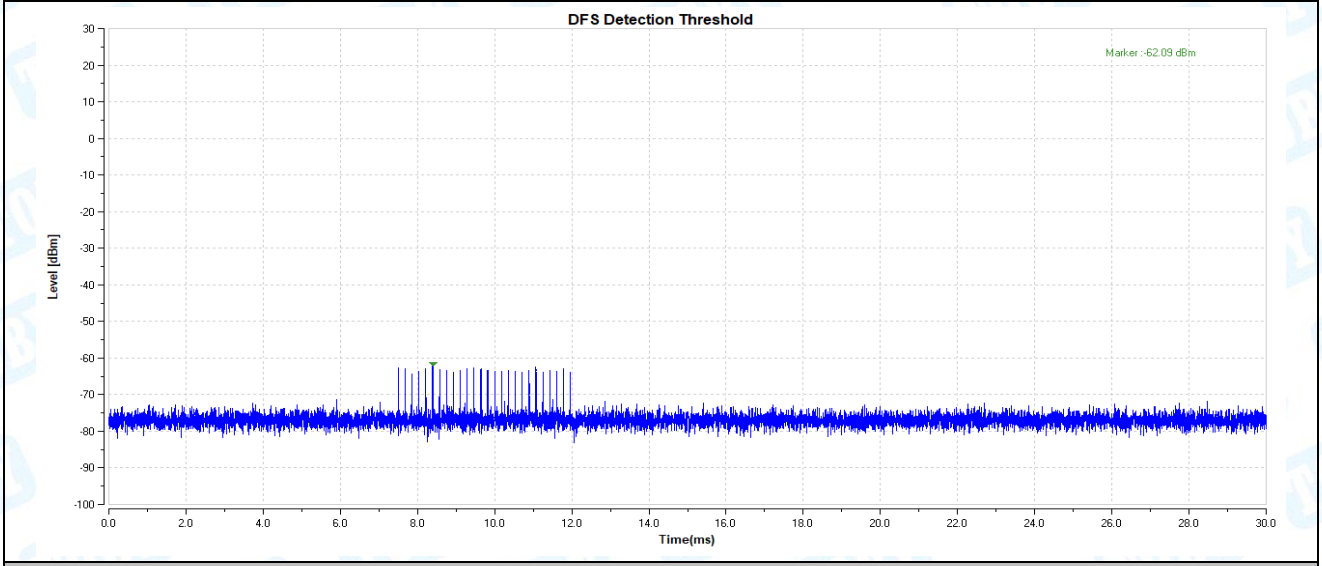

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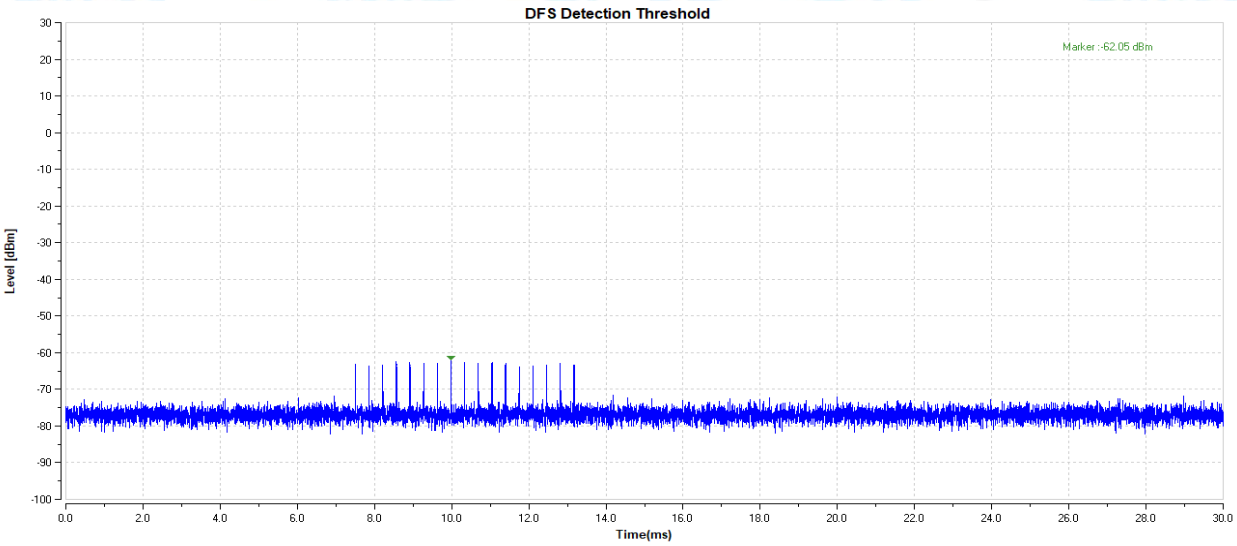

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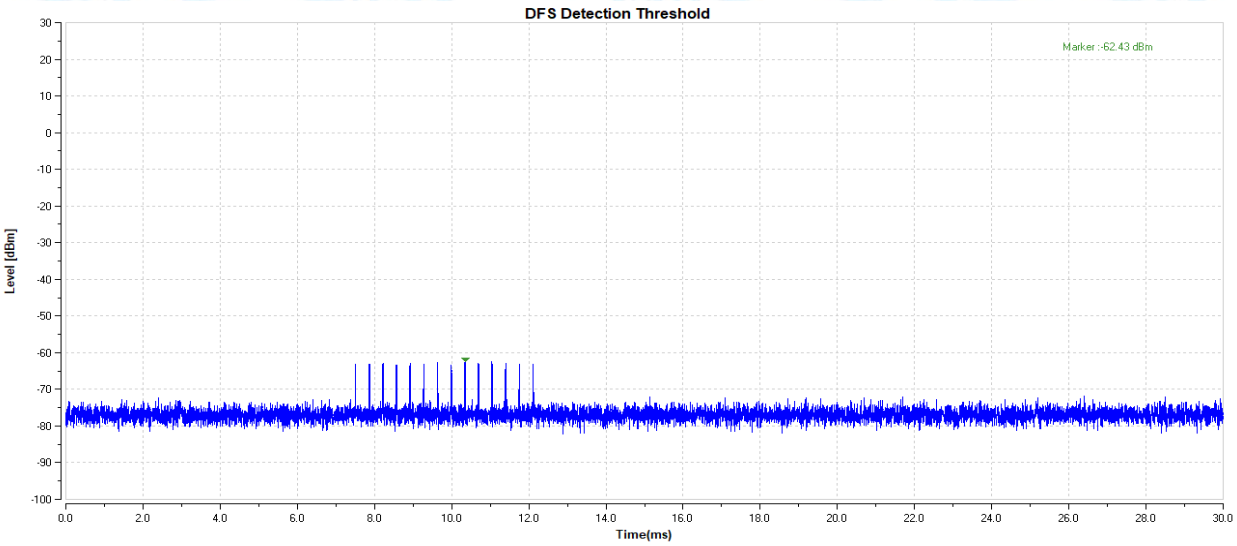

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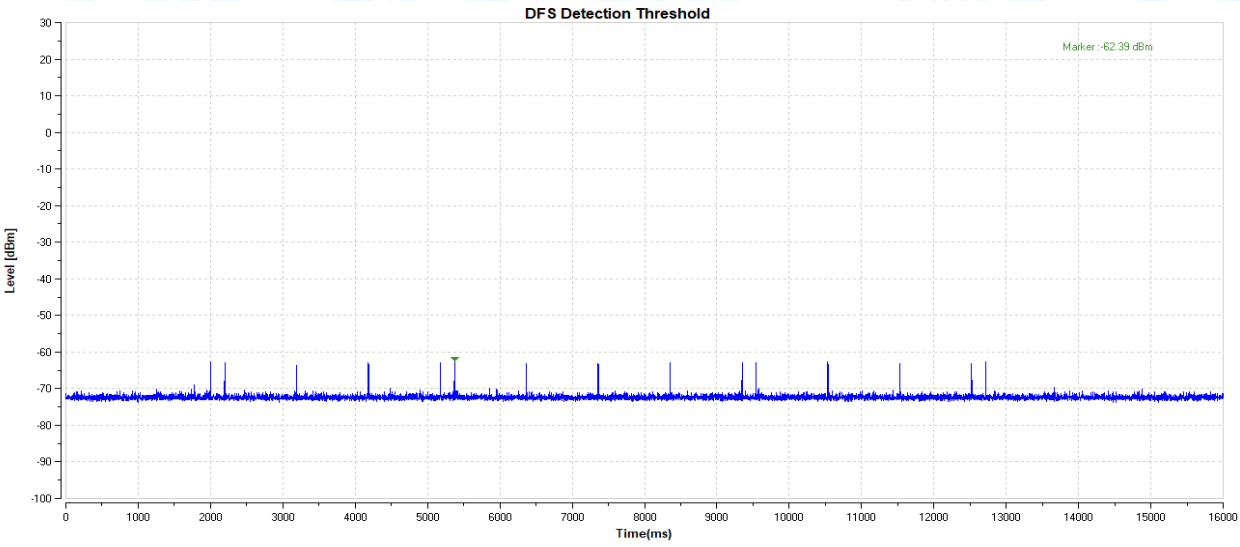

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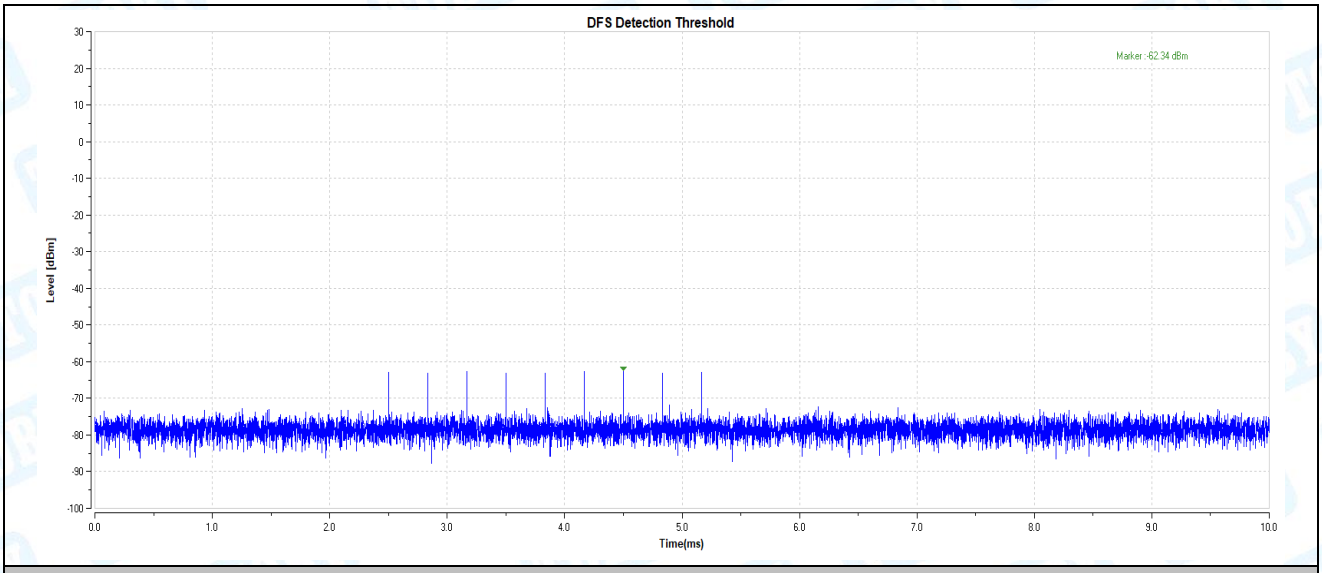

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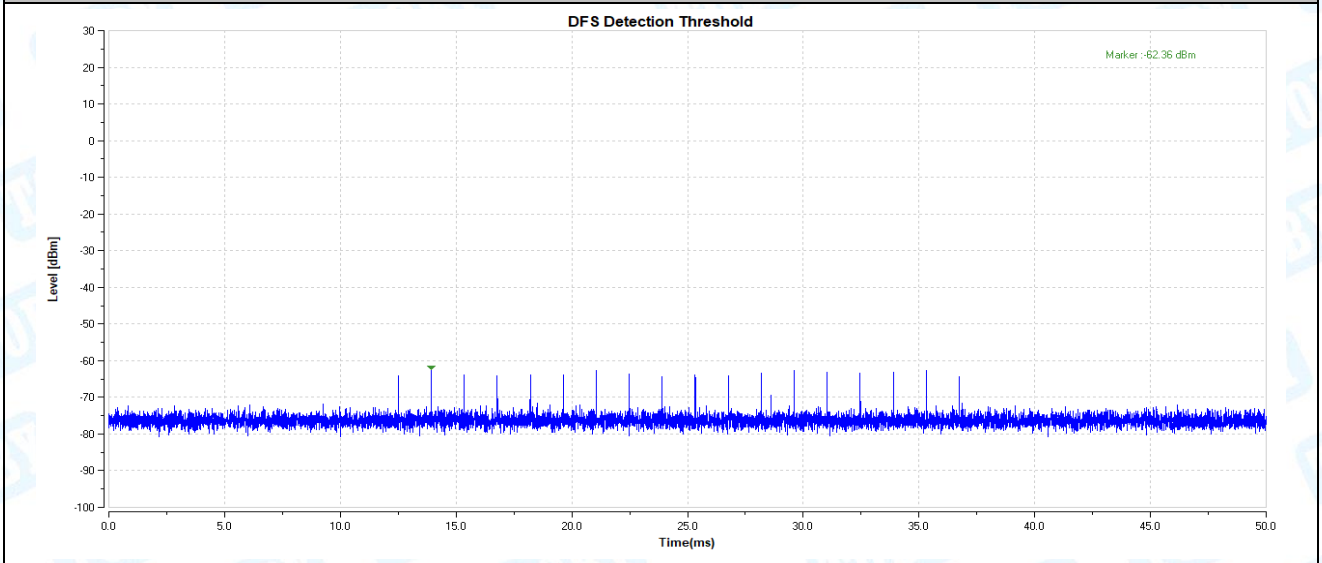
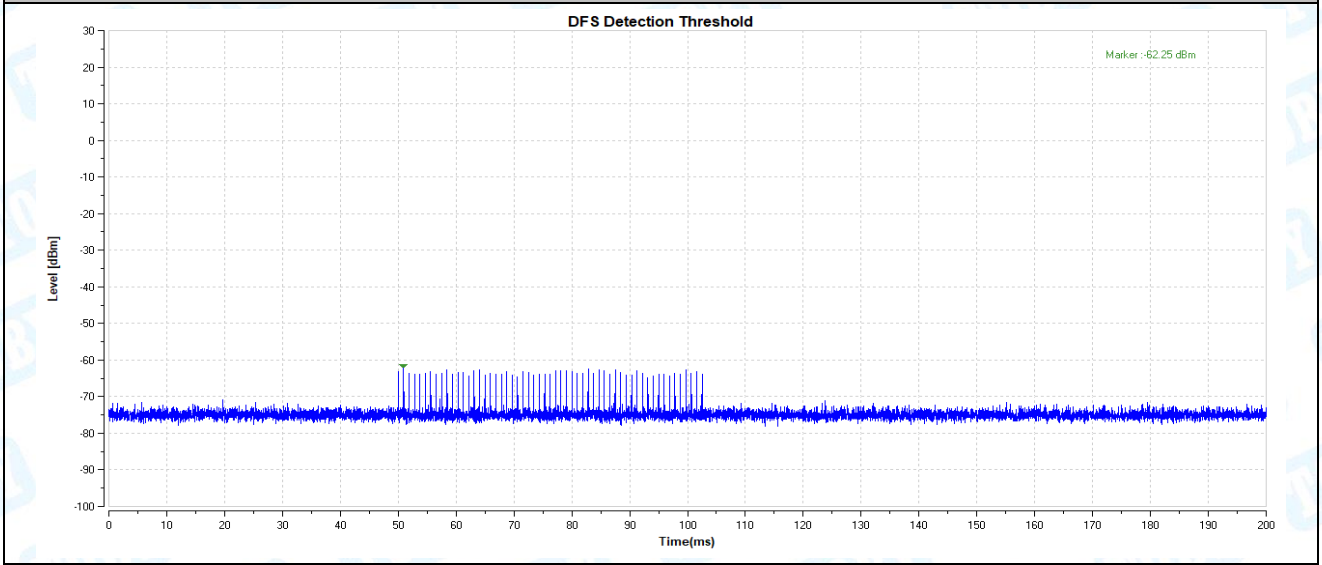
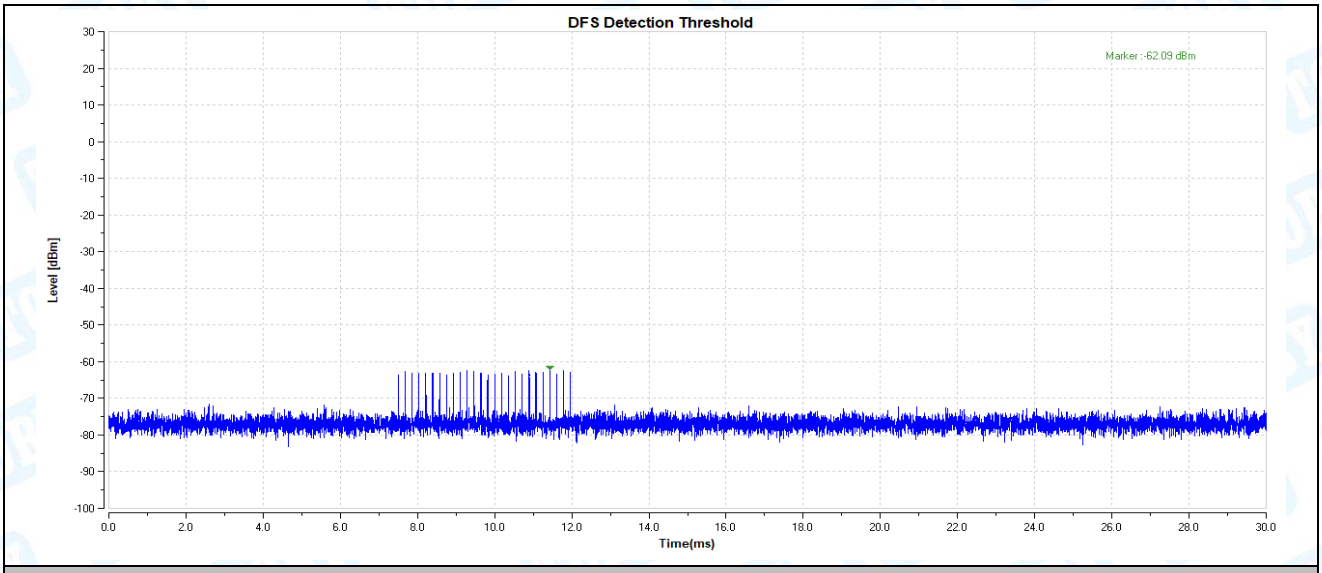


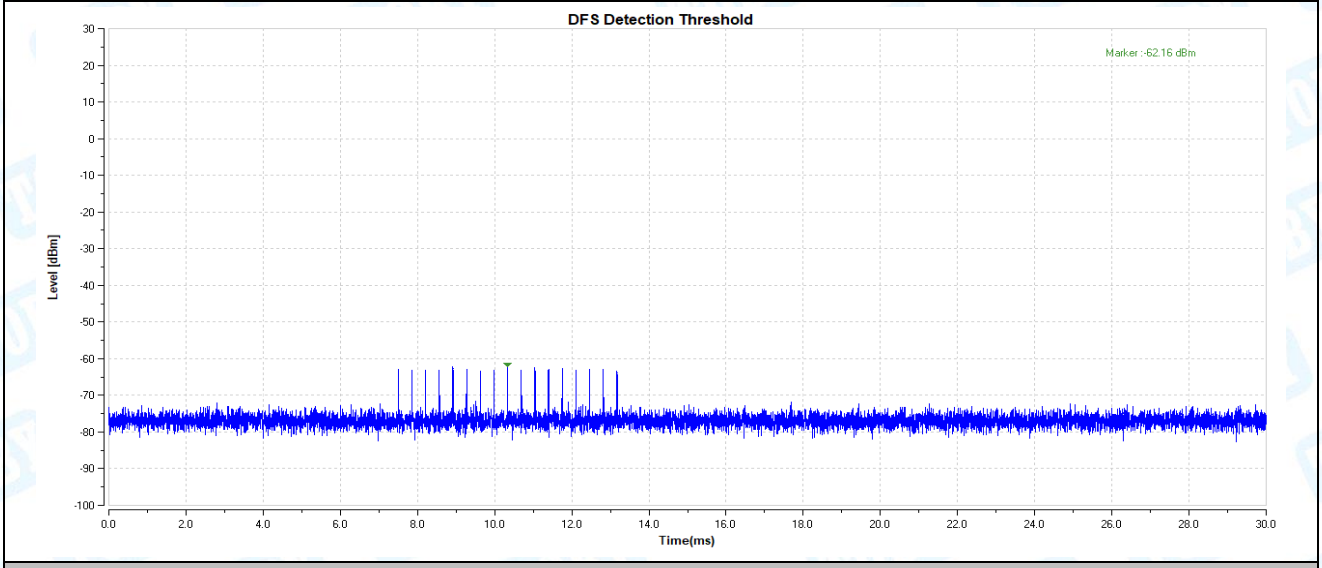
11A-5500-Type0-PASS



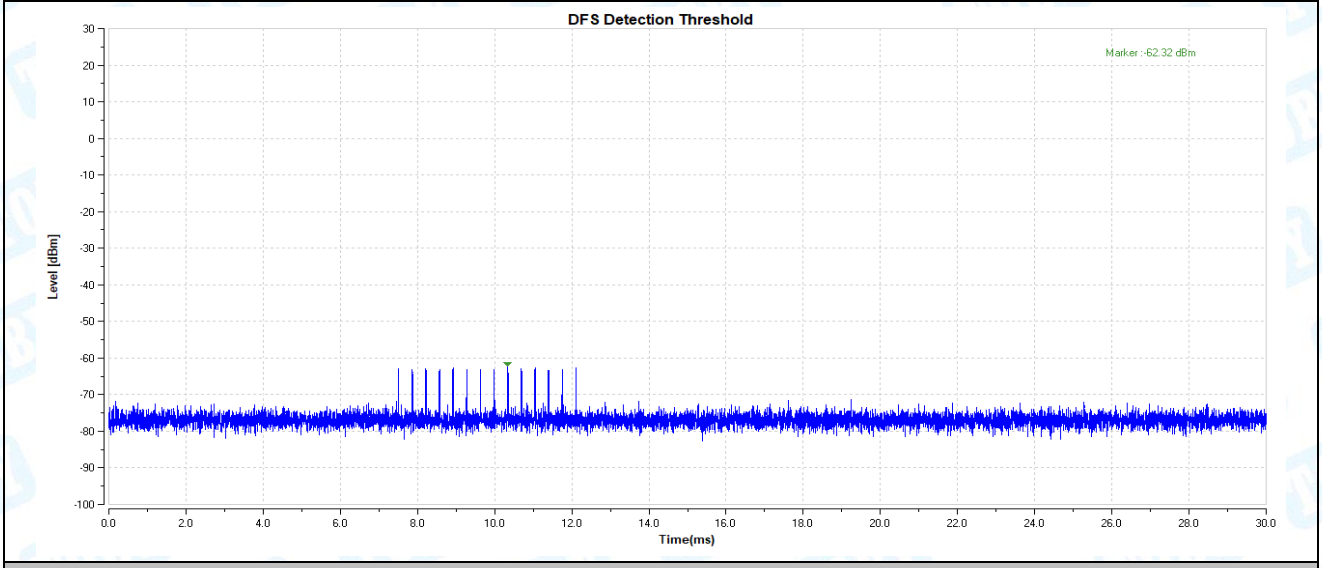
11A-5500-Type1-PASS



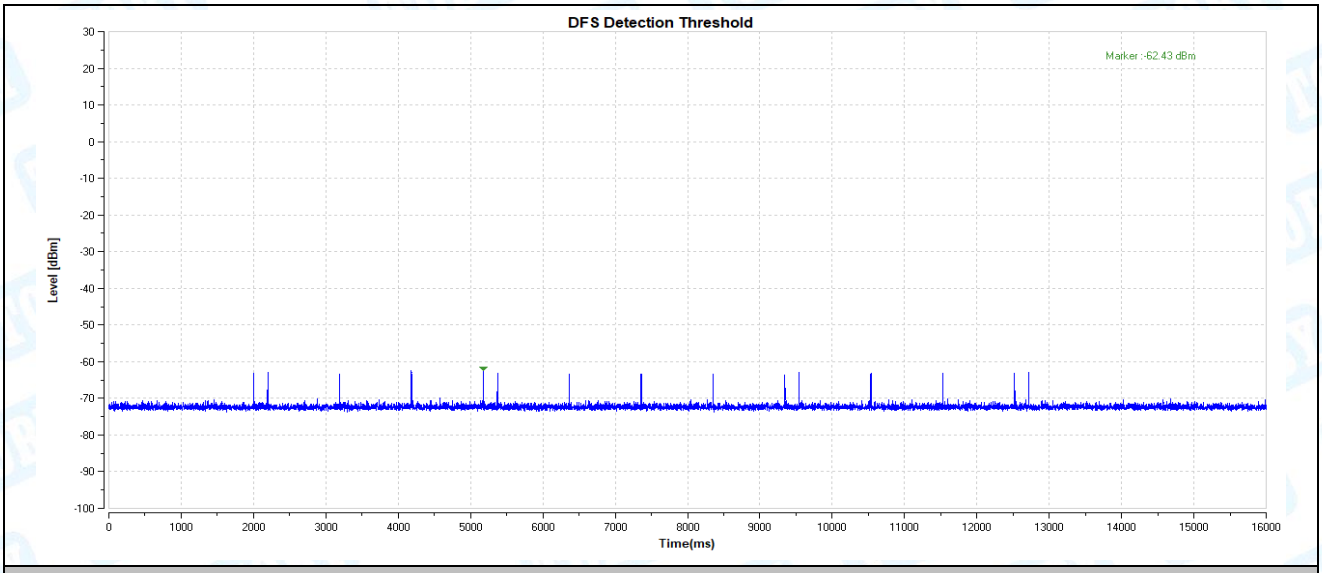
11A-5500-Type2-PASS



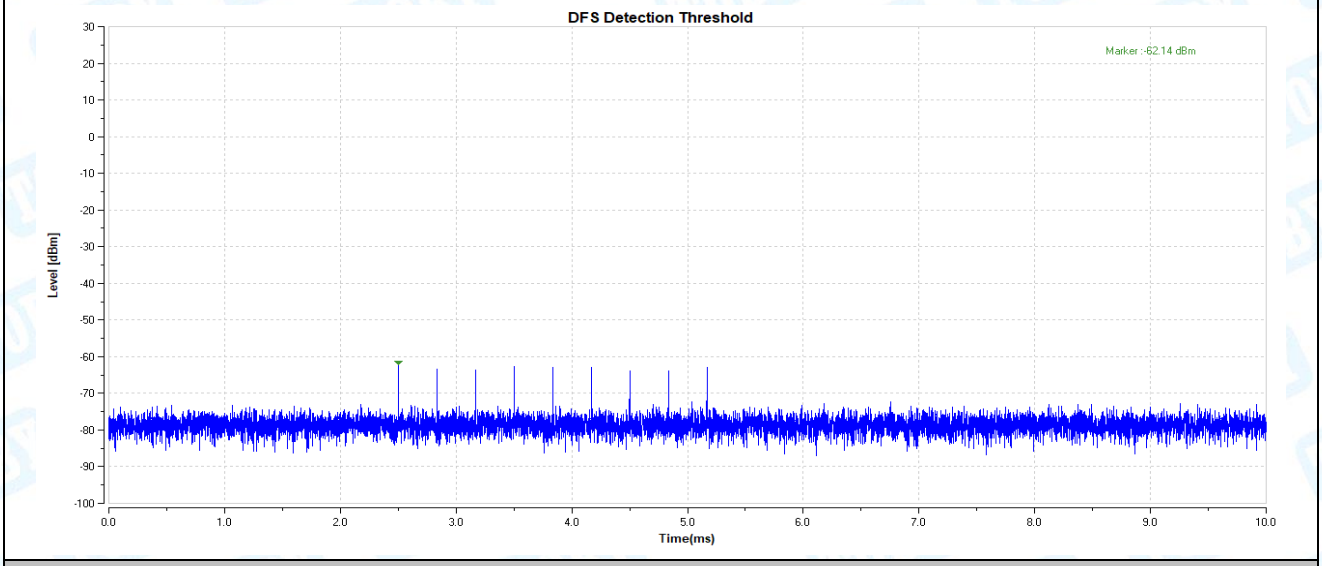
11A-5500-Type3-PASS



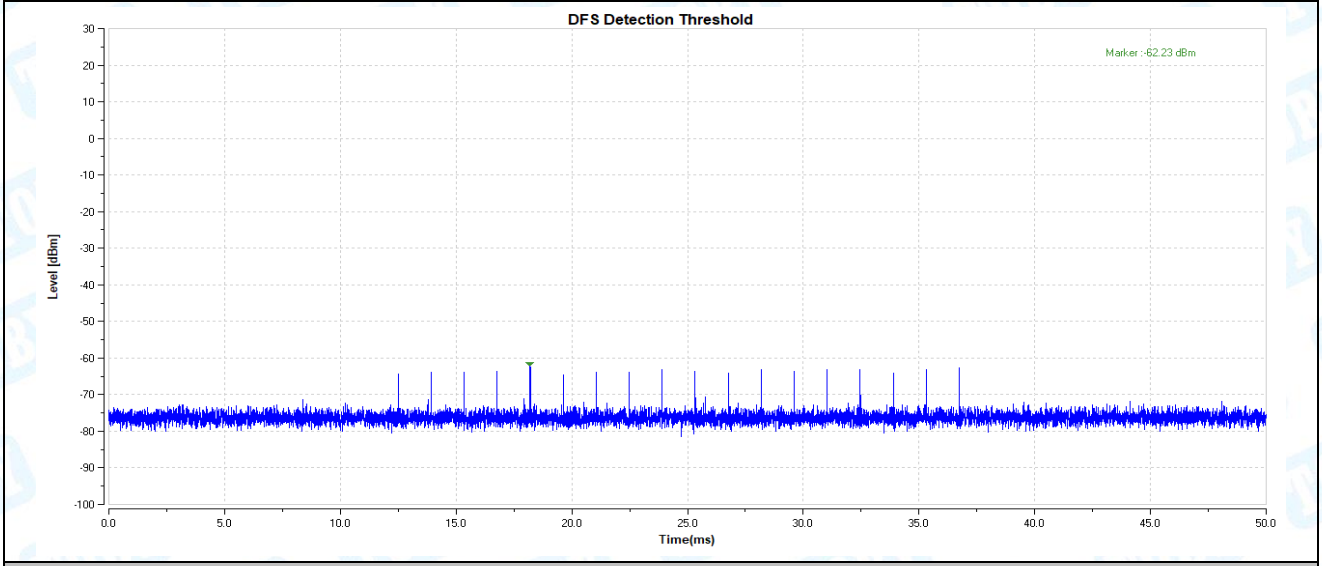
11A-5500-Type4-PASS



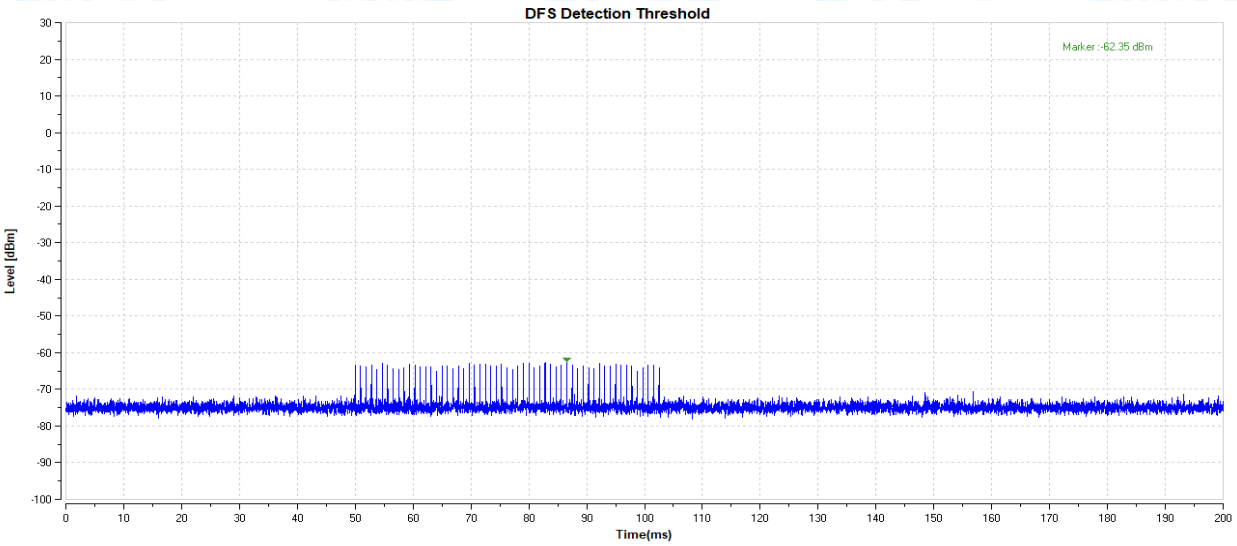
11A-5500-Type5-PASS



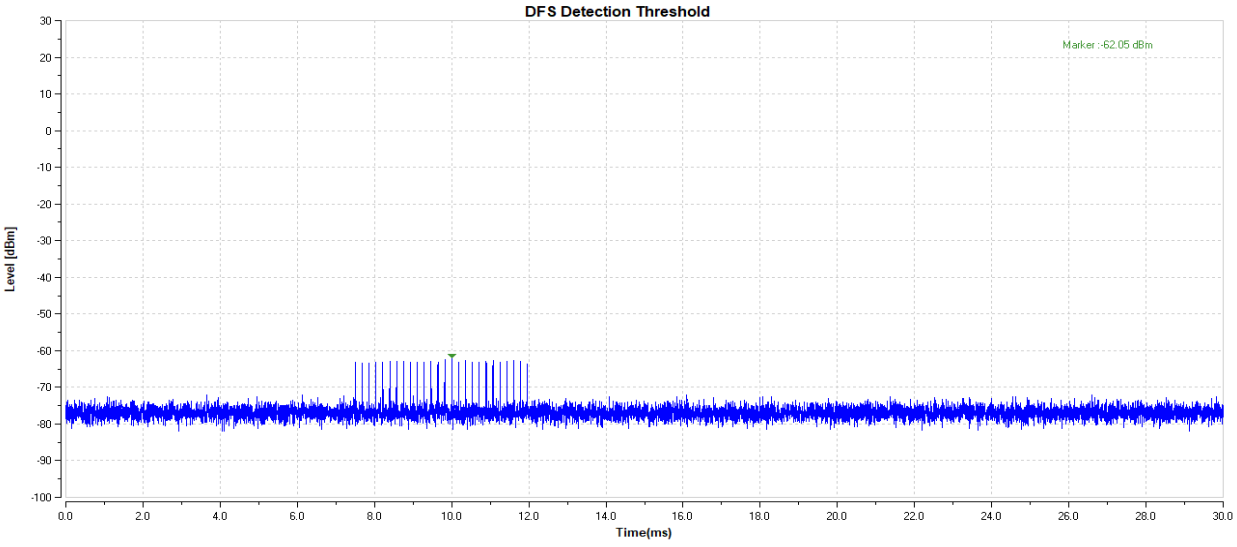
11A-5500-Type6-PASS



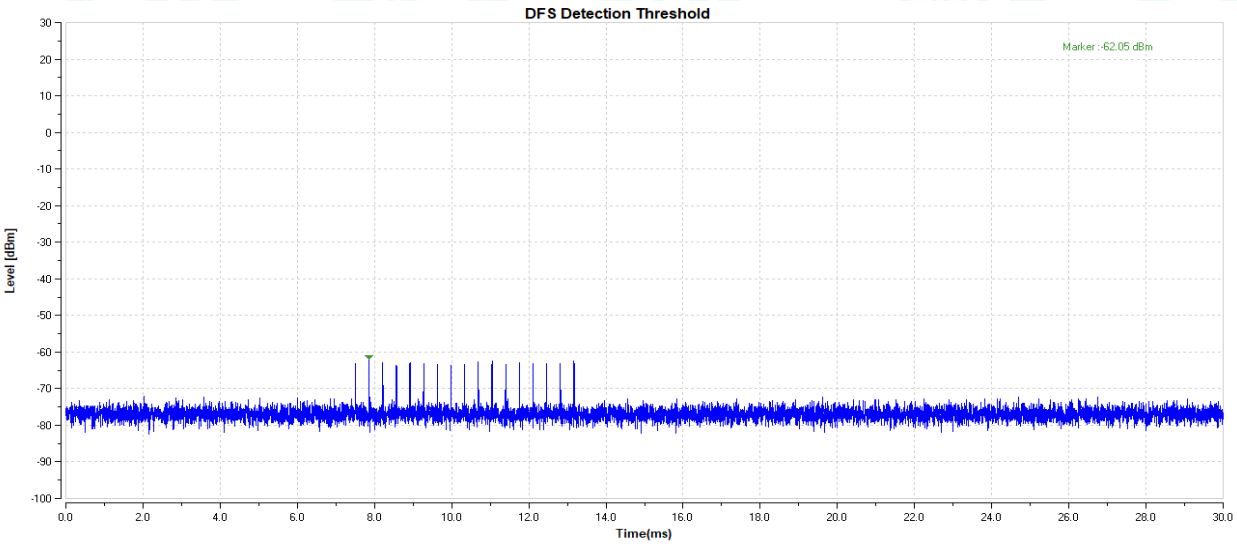
11N40-5270-Type0-PASS



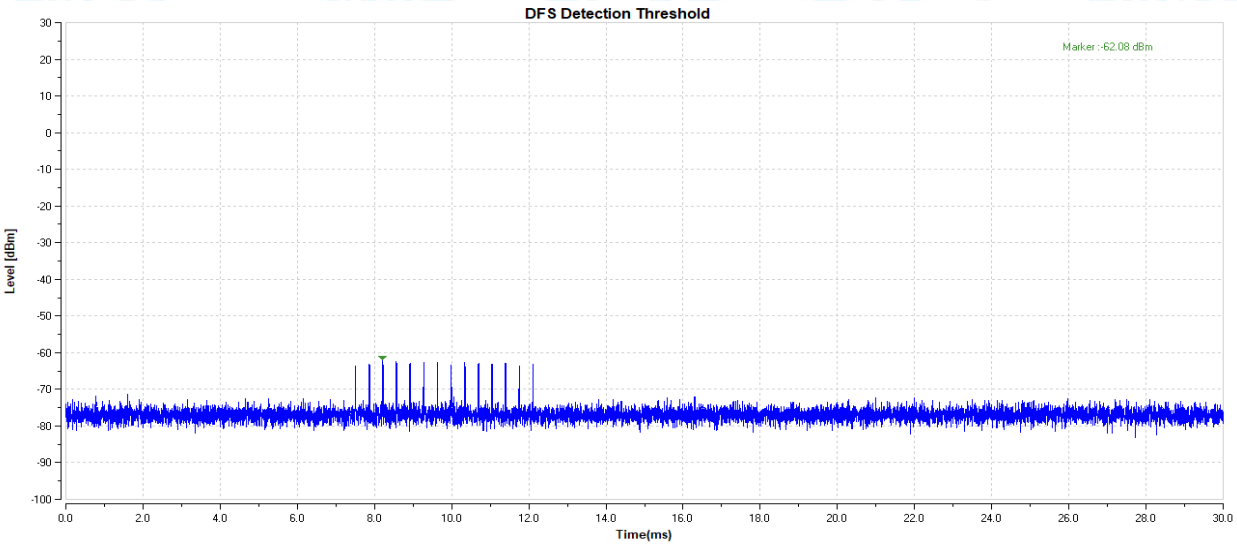
11N40-5270-Type1-PASS



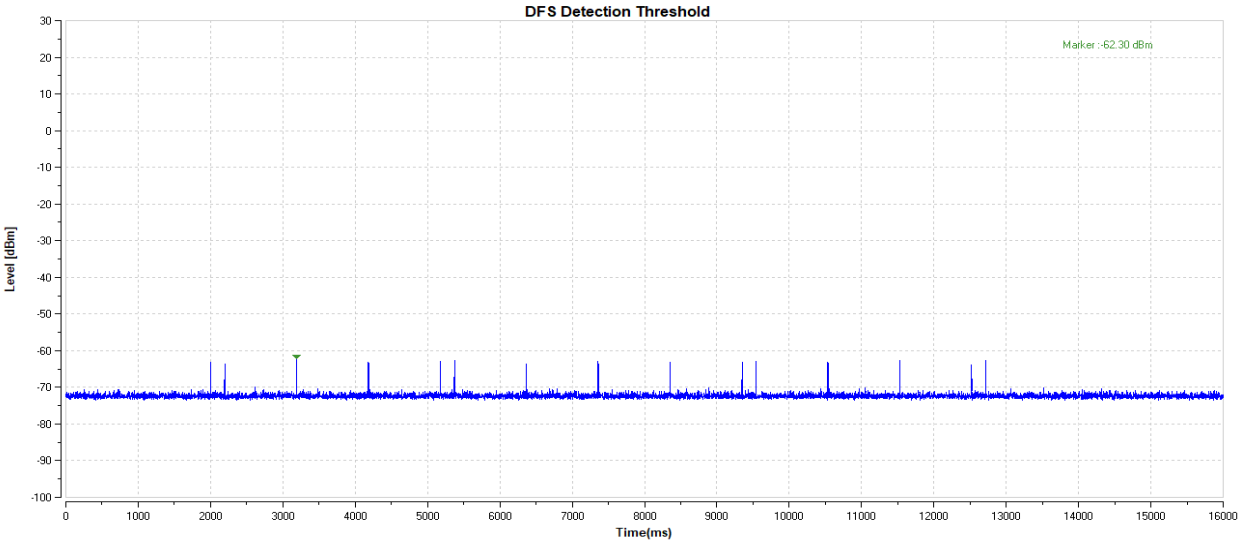
11N40-5270-Type2-PASS



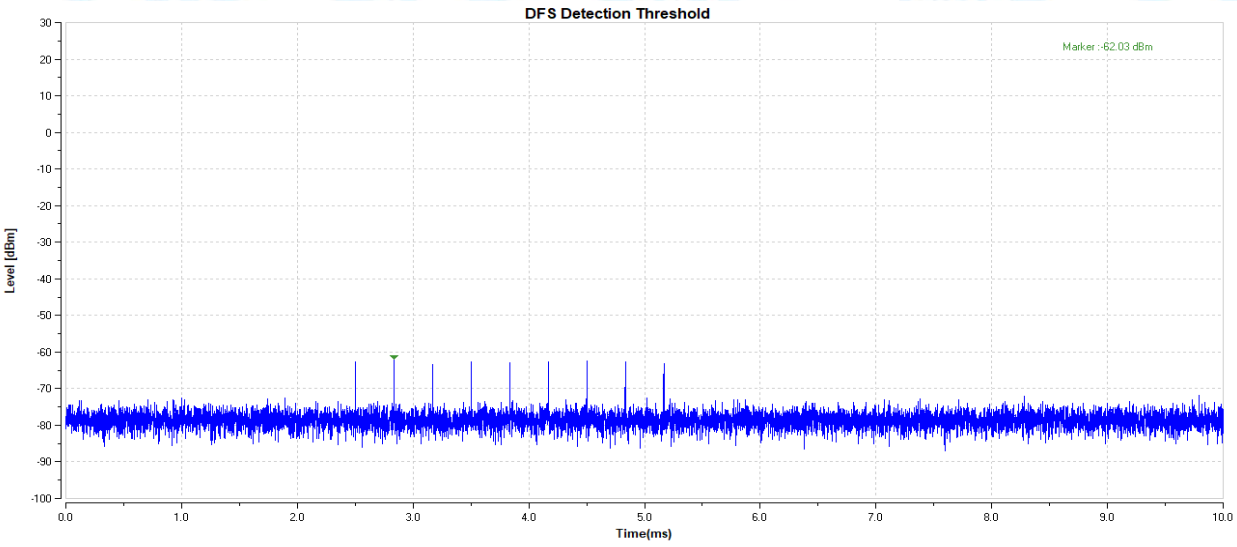
11N40-5270-Type3-PASS



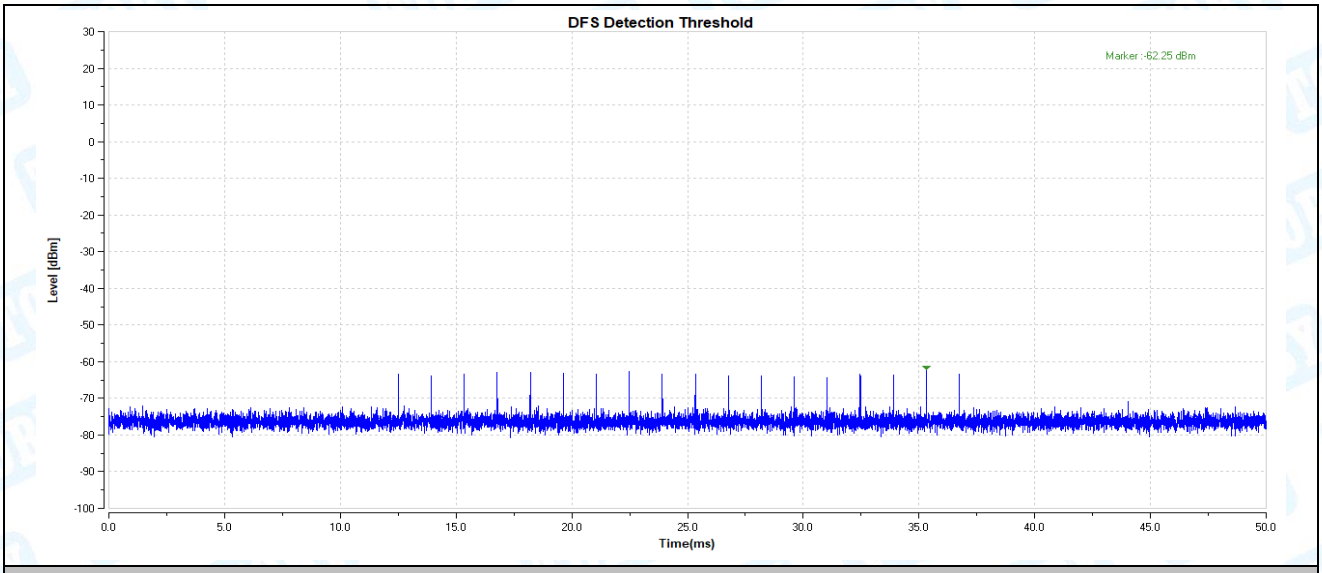
11N40-5270-Type4-PASS



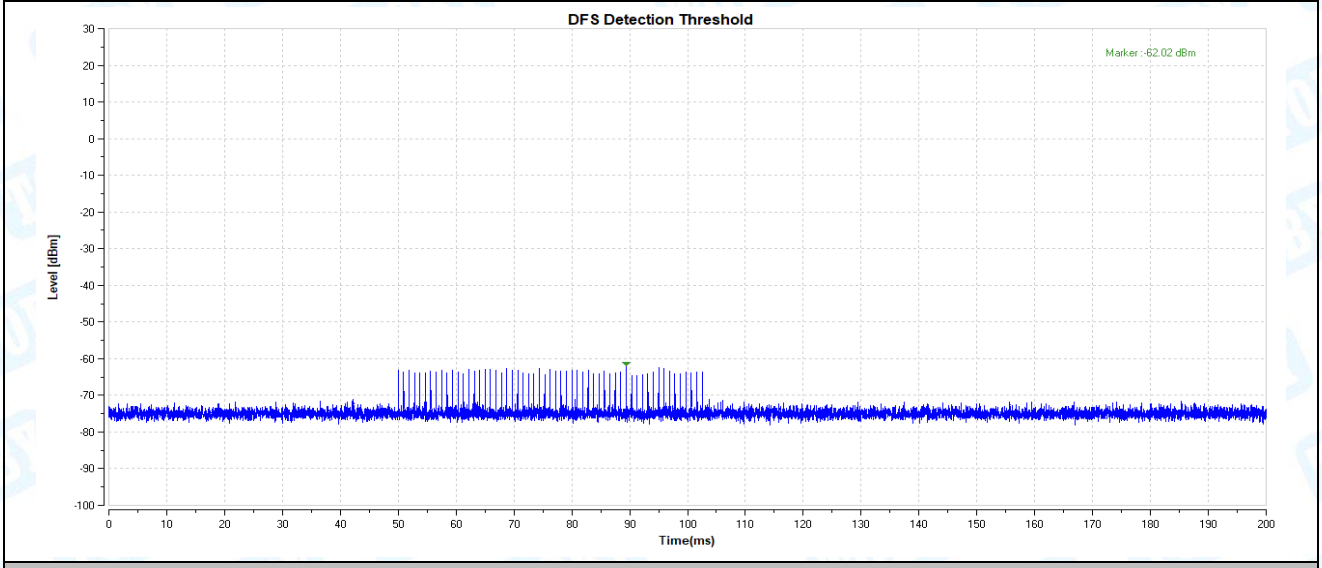
11N40-5270-Type5-PASS



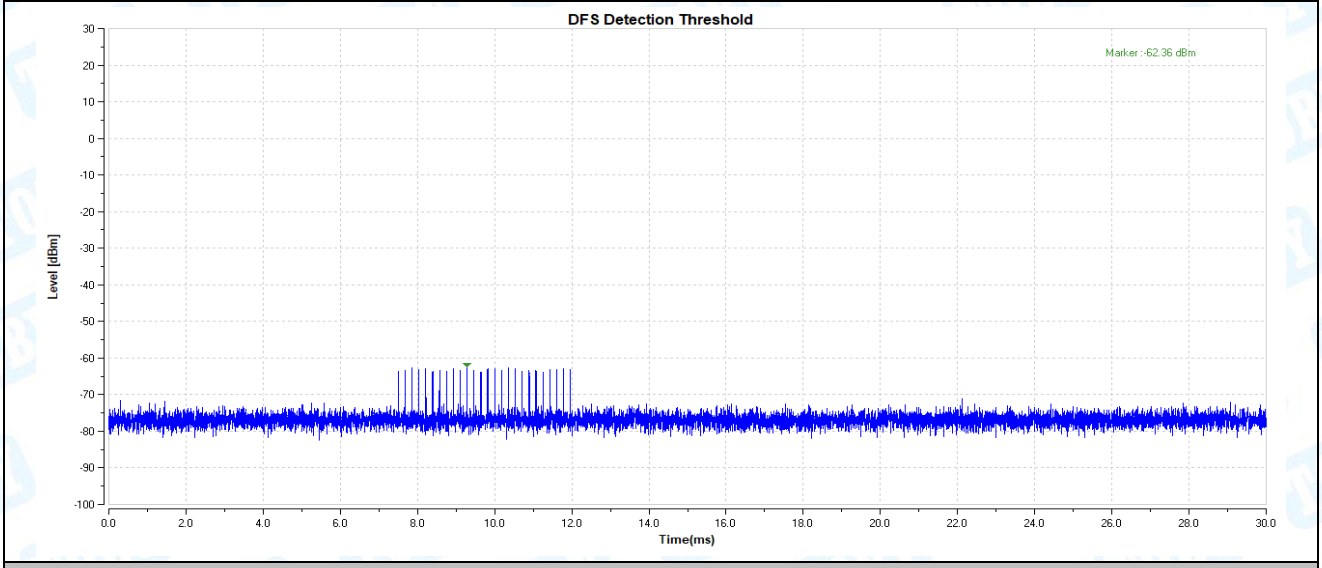
11N40-5270-Type6-PASS



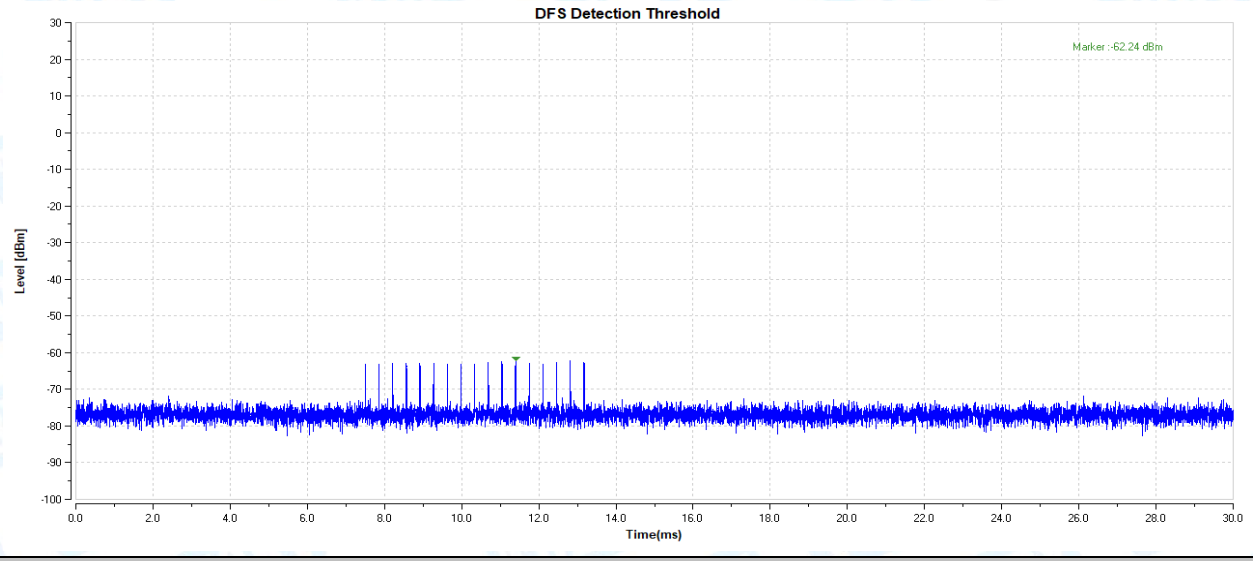
11N40-5510-Type0-PASS



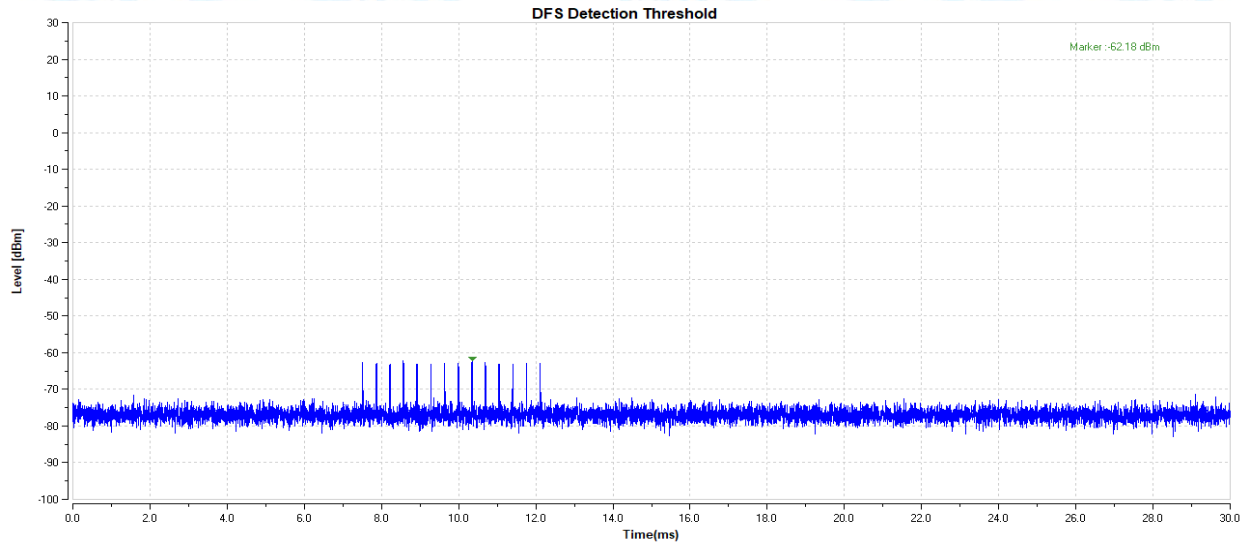
11N40-5510-Type1-PASS



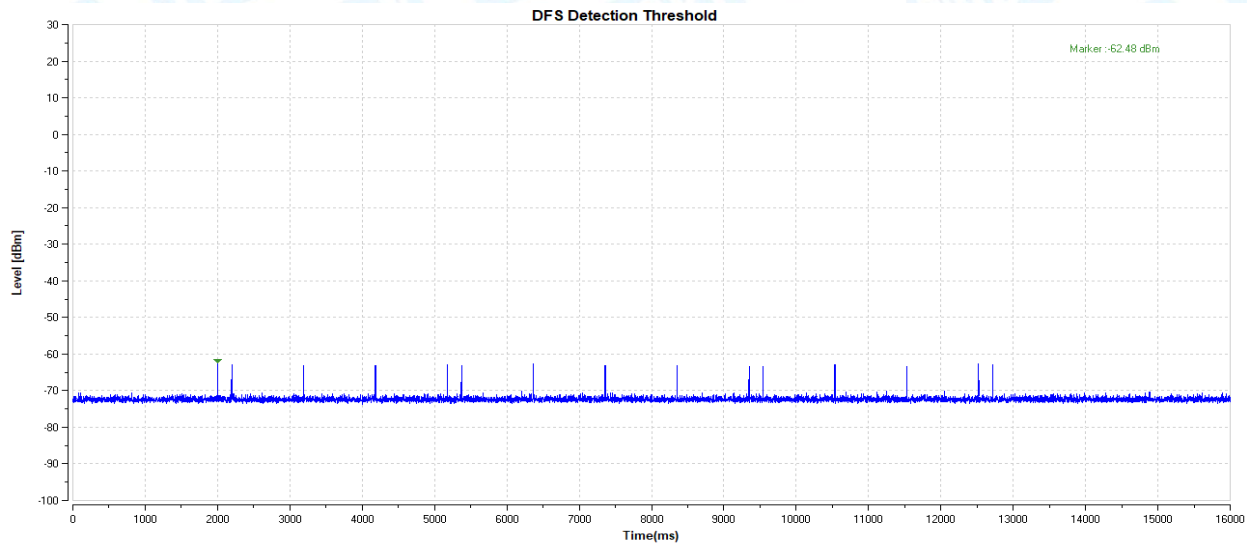
11N40-5510-Type2-PASS



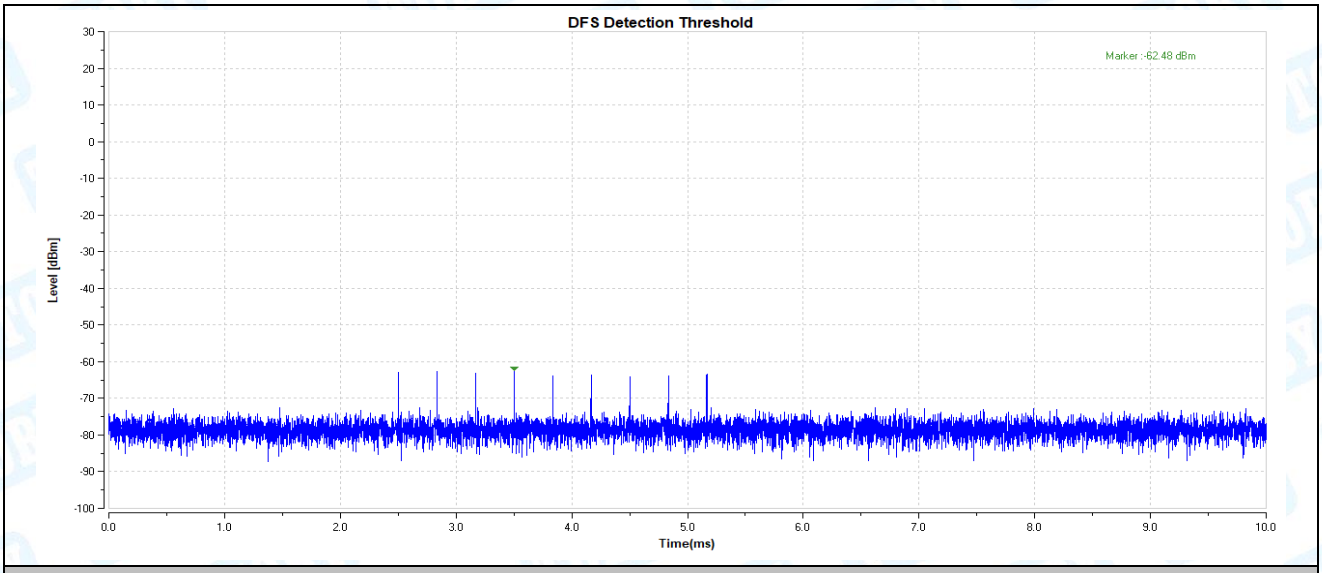
11N40-5510-Type3-PASS



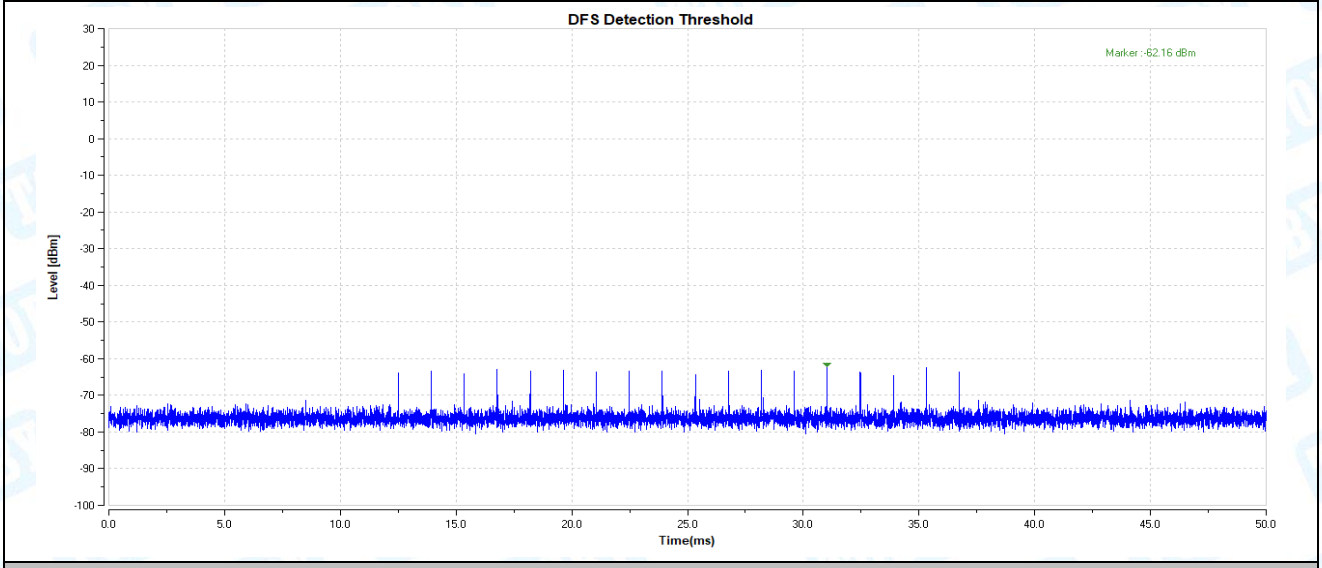
11N40-5510-Type4-PASS



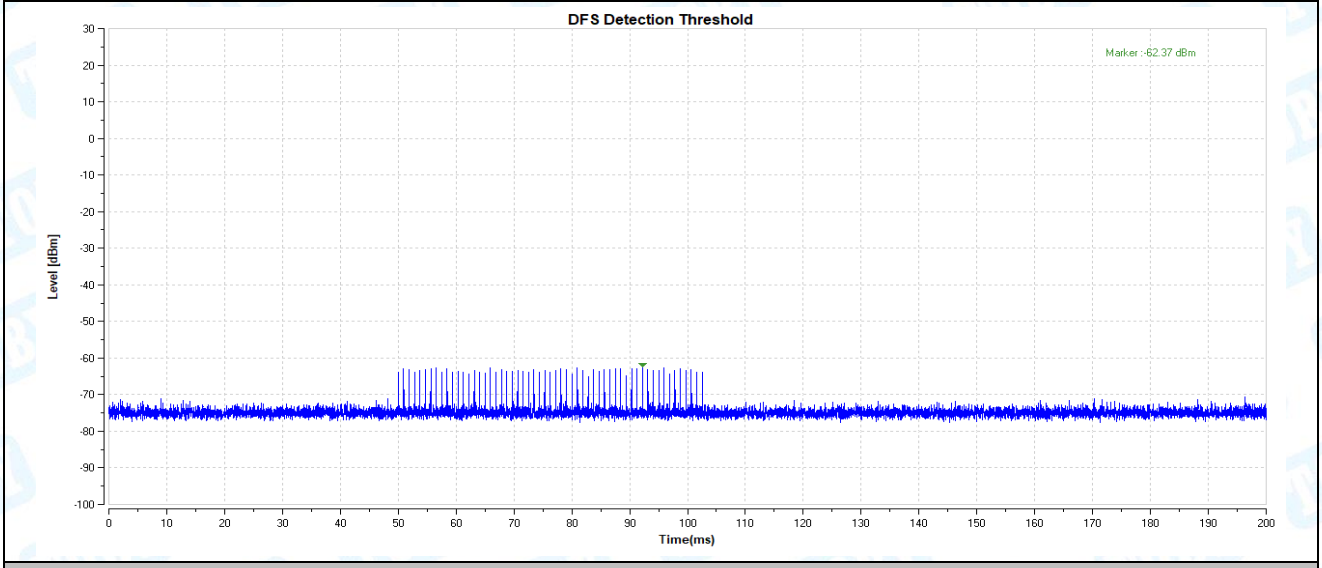
11N40-5510-Type5-PASS



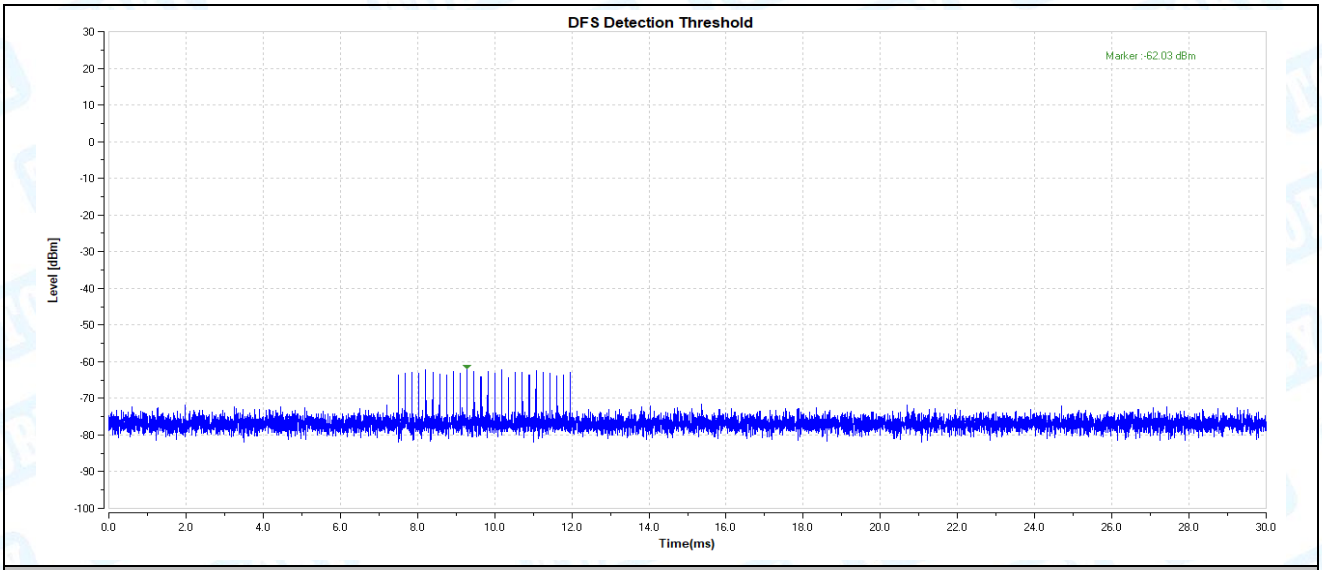
11N40-5510-Type6-PASS



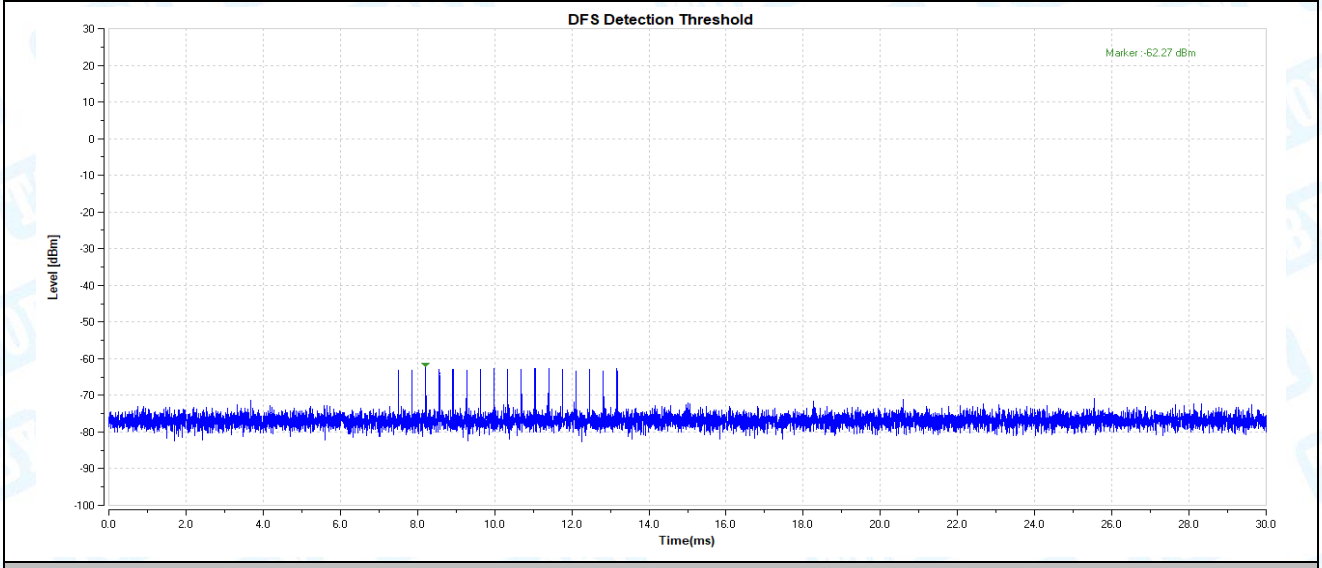
11AC80-5290-Type0-PASS



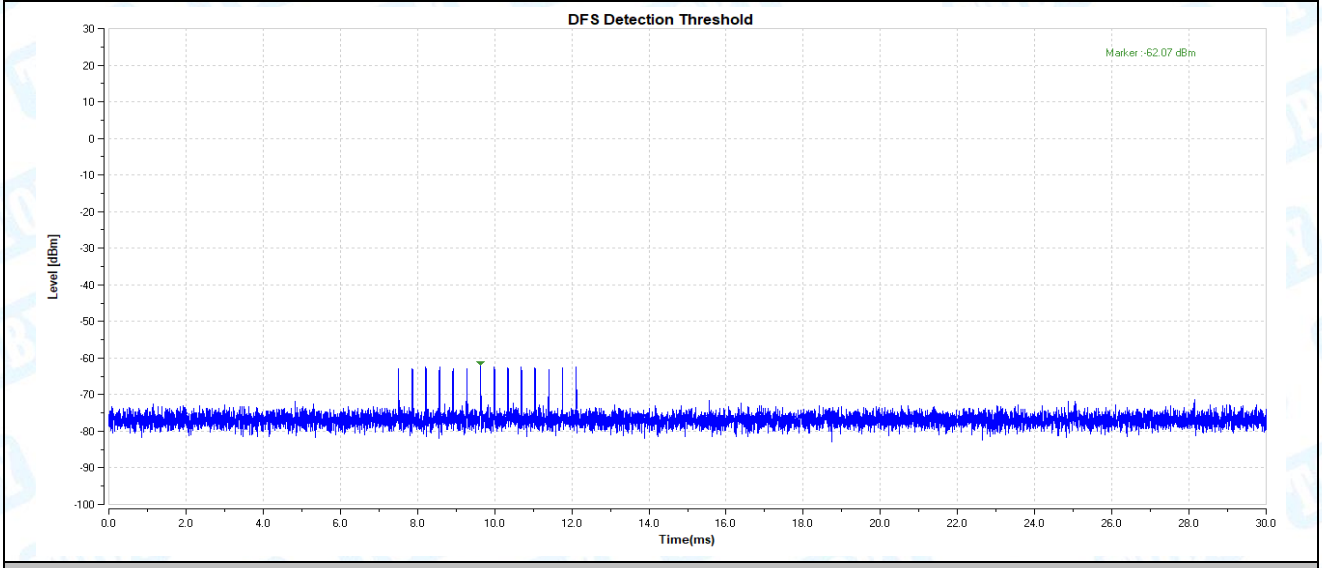
11AC80-5290-Type1-PASS



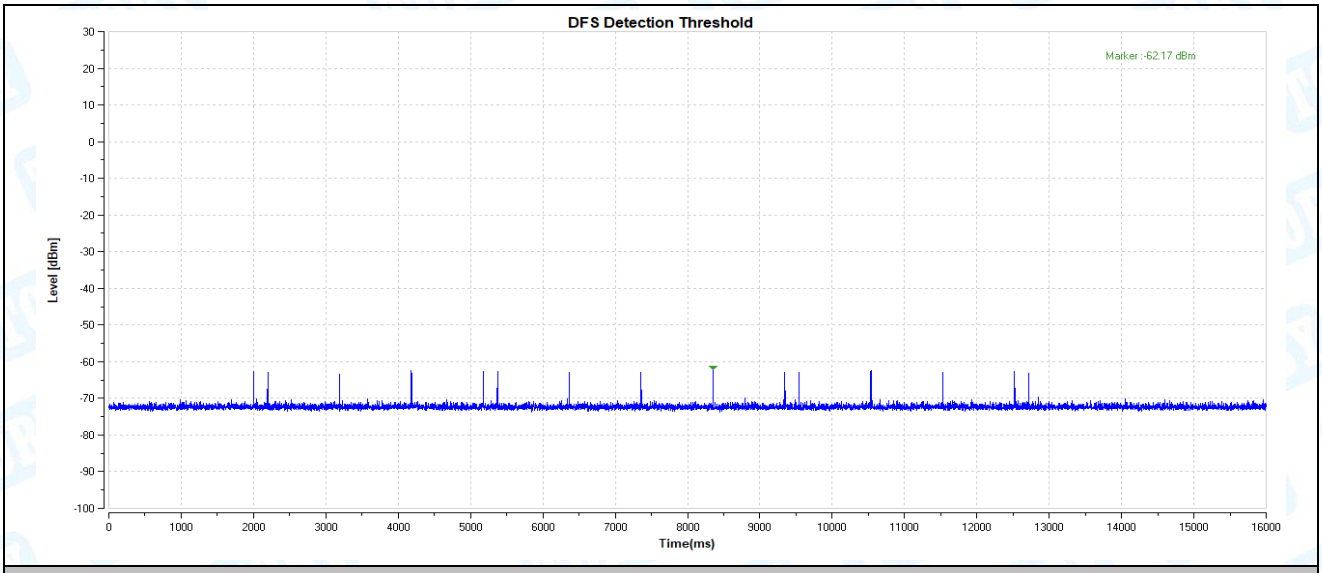
11AC80-5290-Type2-PASS



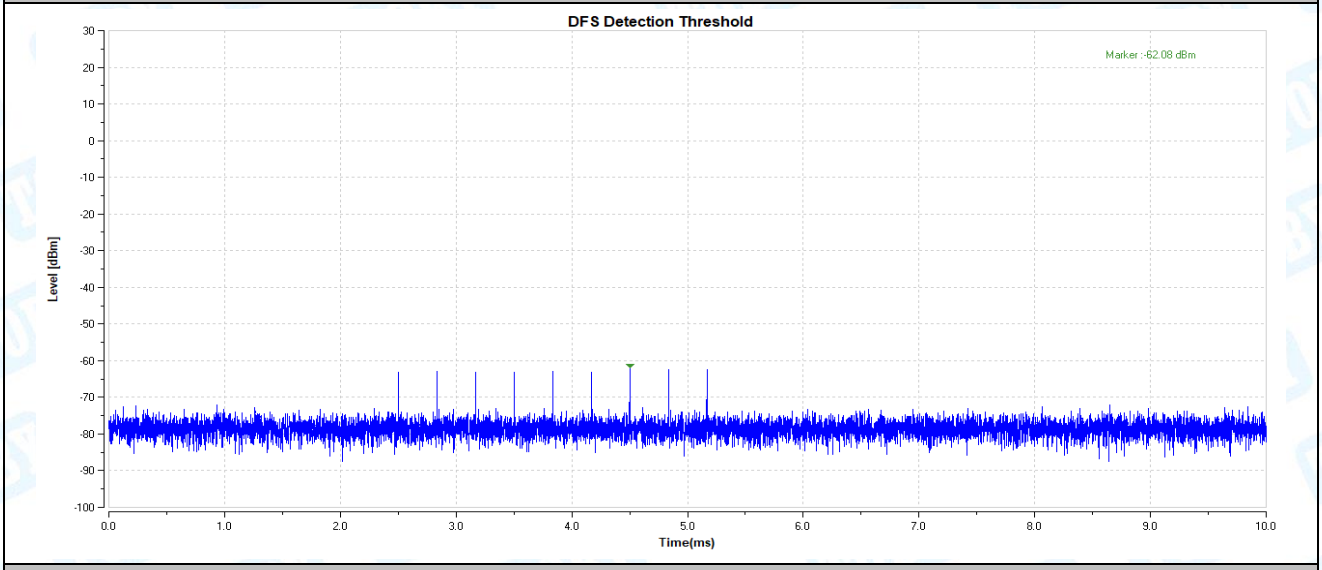
11AC80-5290-Type3-PASS



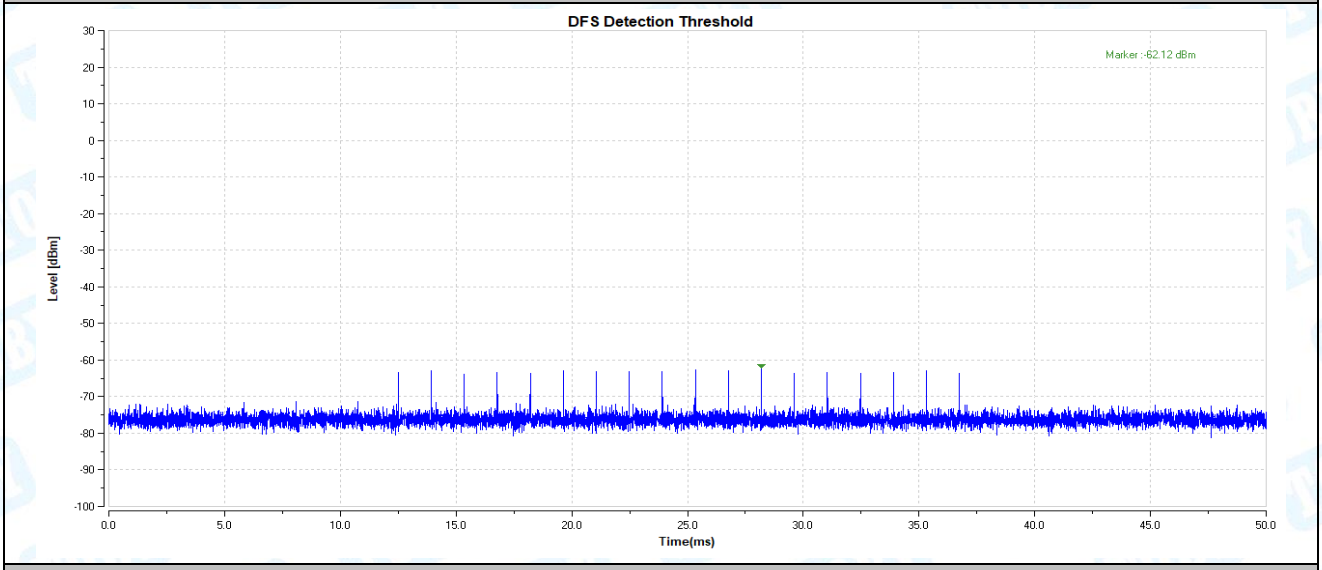
11AC80-5290-Type4-PASS



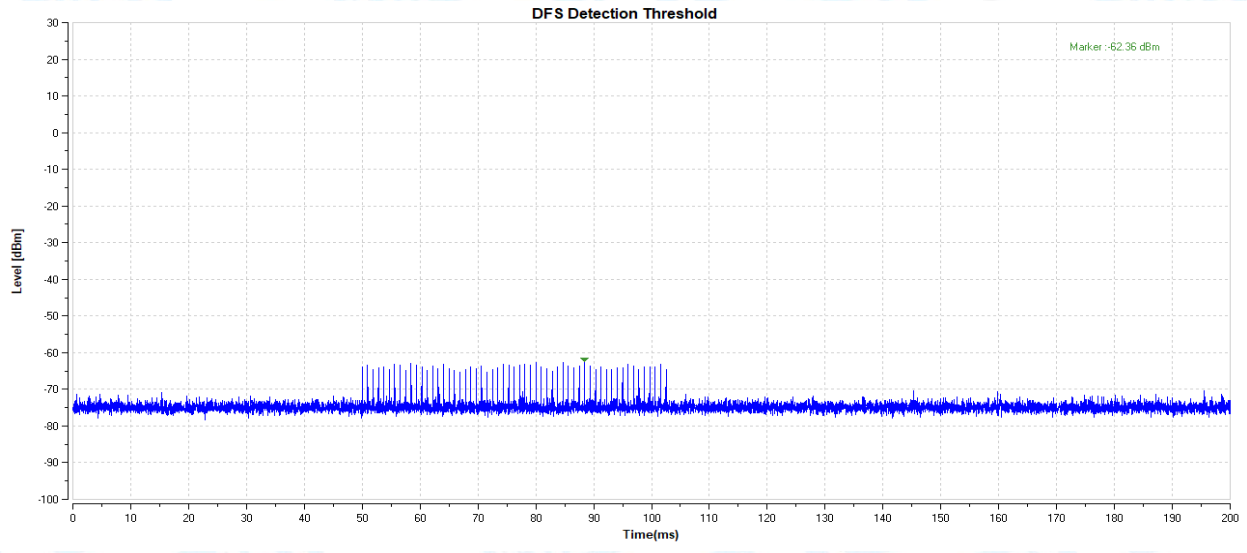
11AC80-5290-Type5-PASS



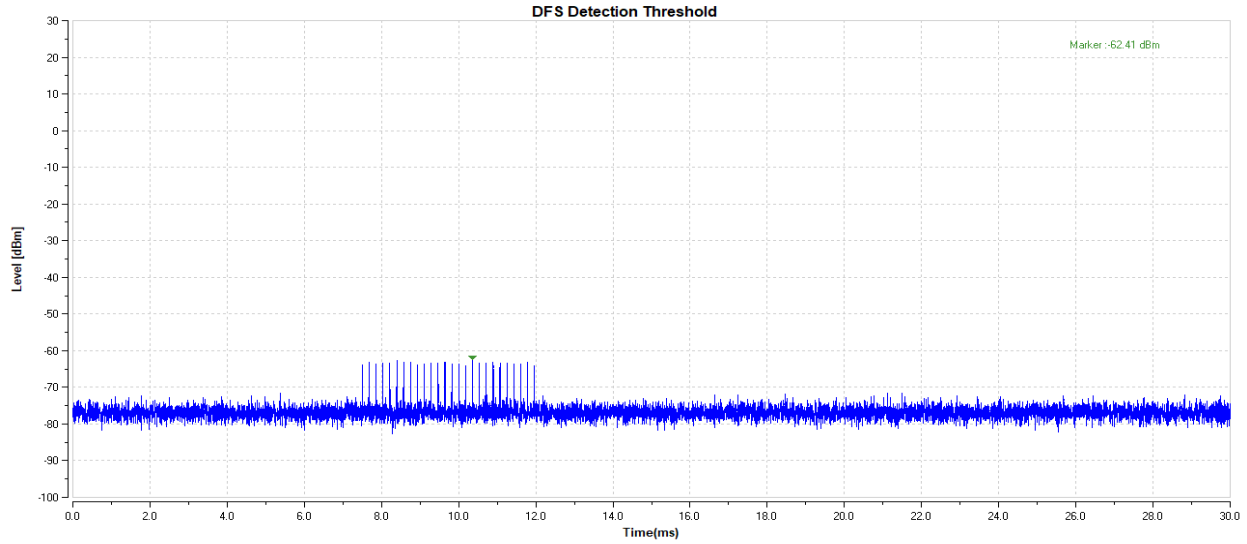
11AC80-5290-Type6-PASS



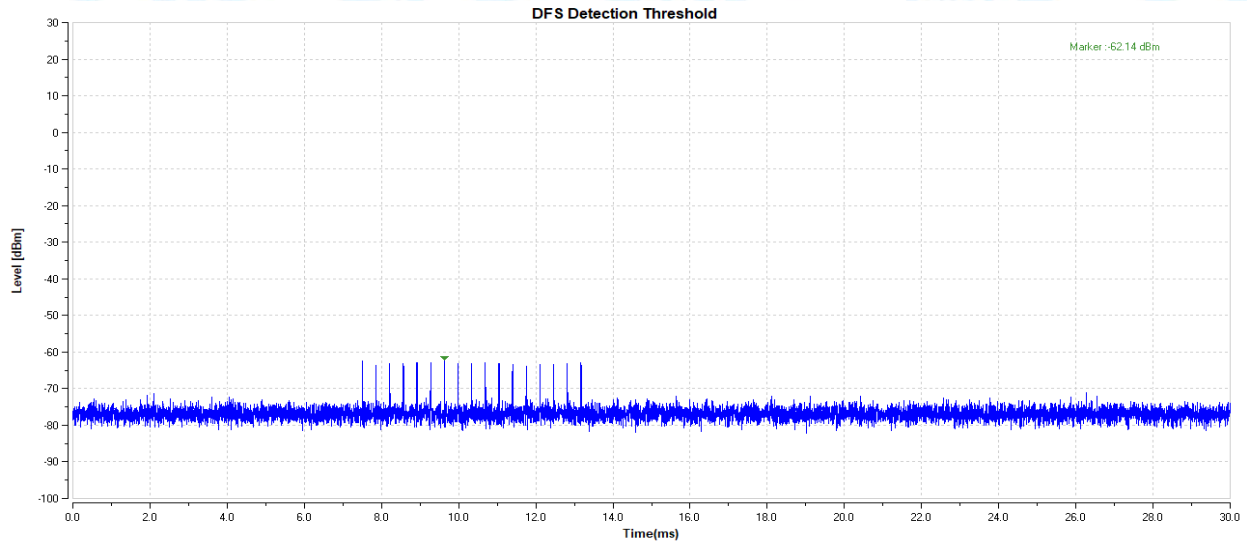
11AC80-5530-Type0-PASS



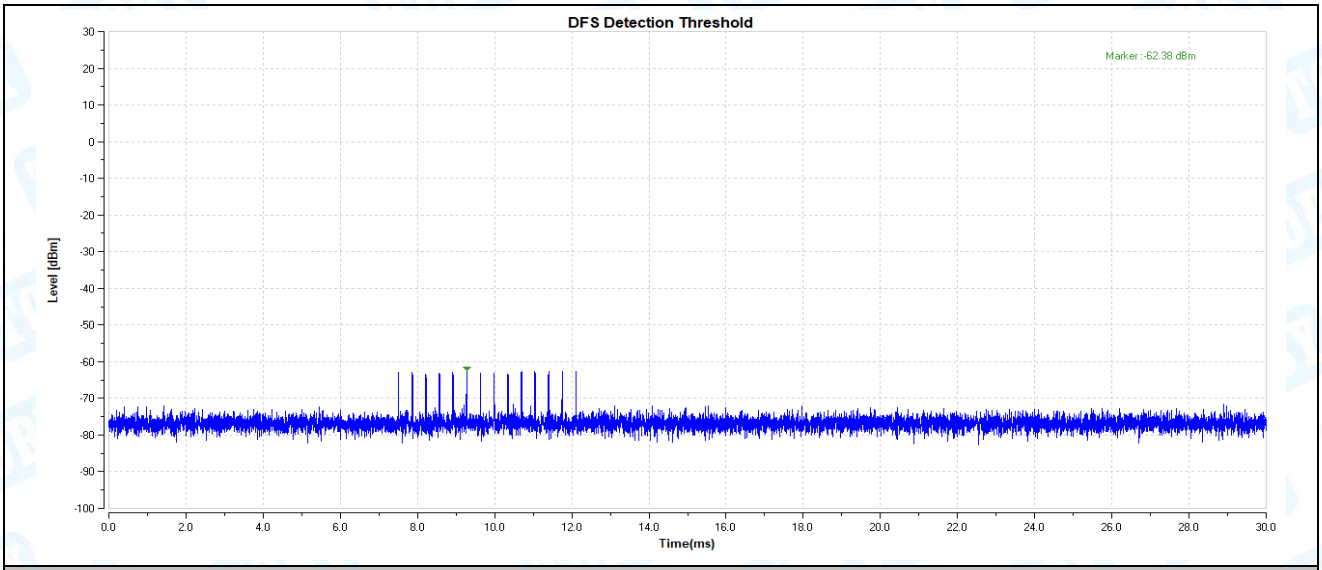
11AC80-5530-Type1-PASS



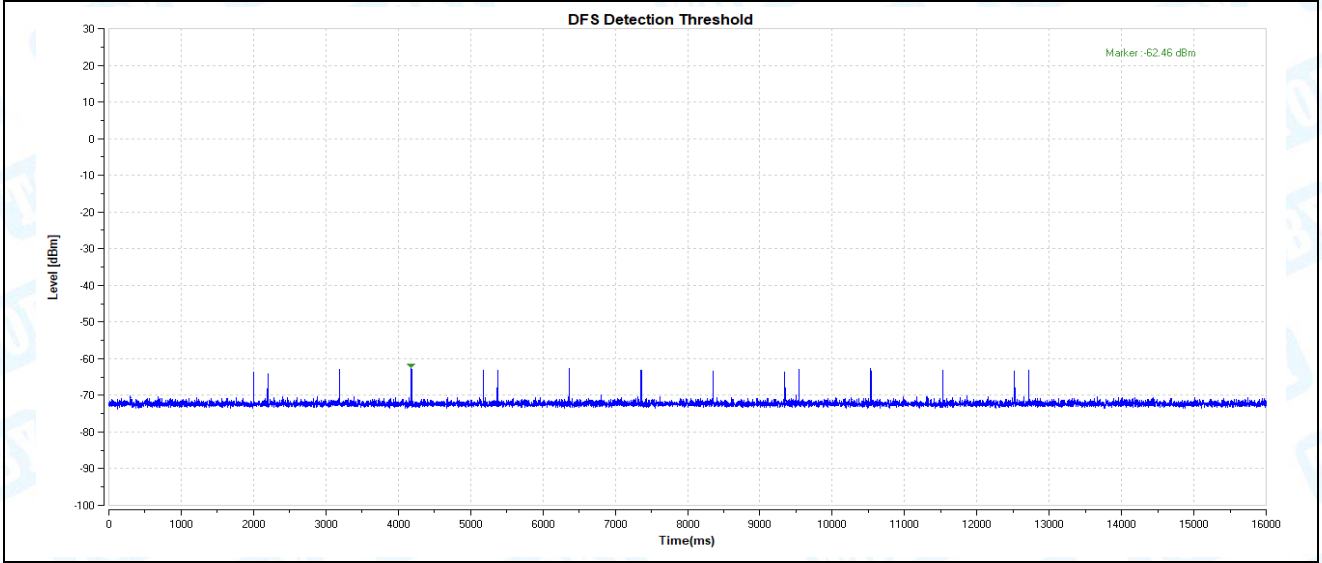
11AC80-5530-Type2-PASS



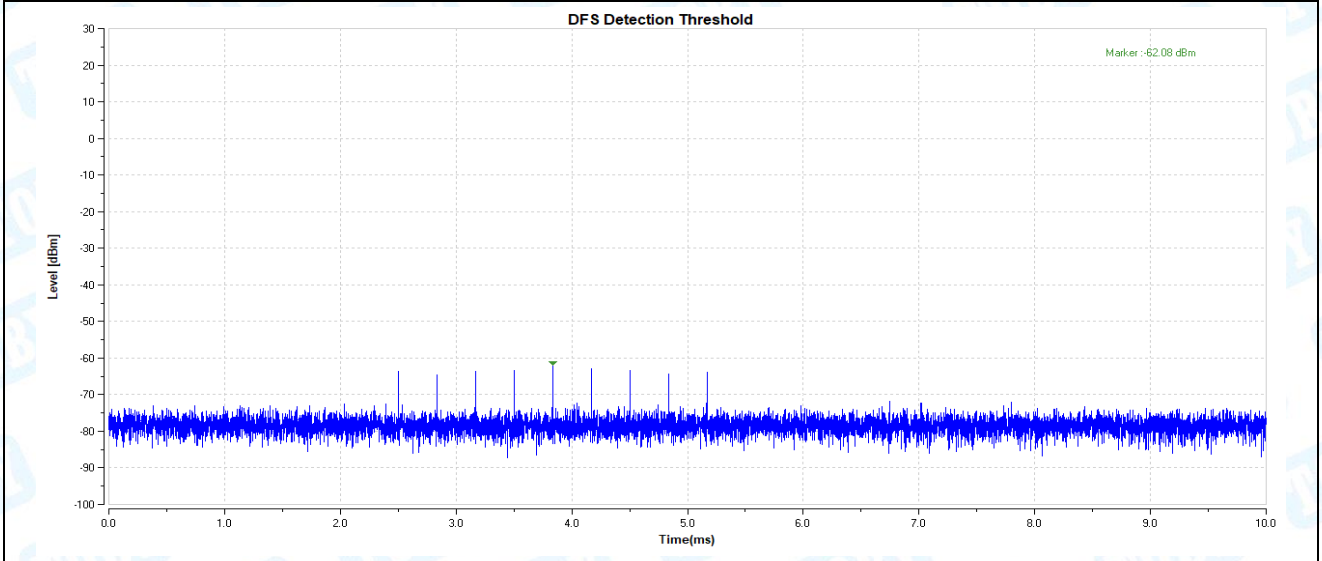
11AC80-5530-Type3-PASS



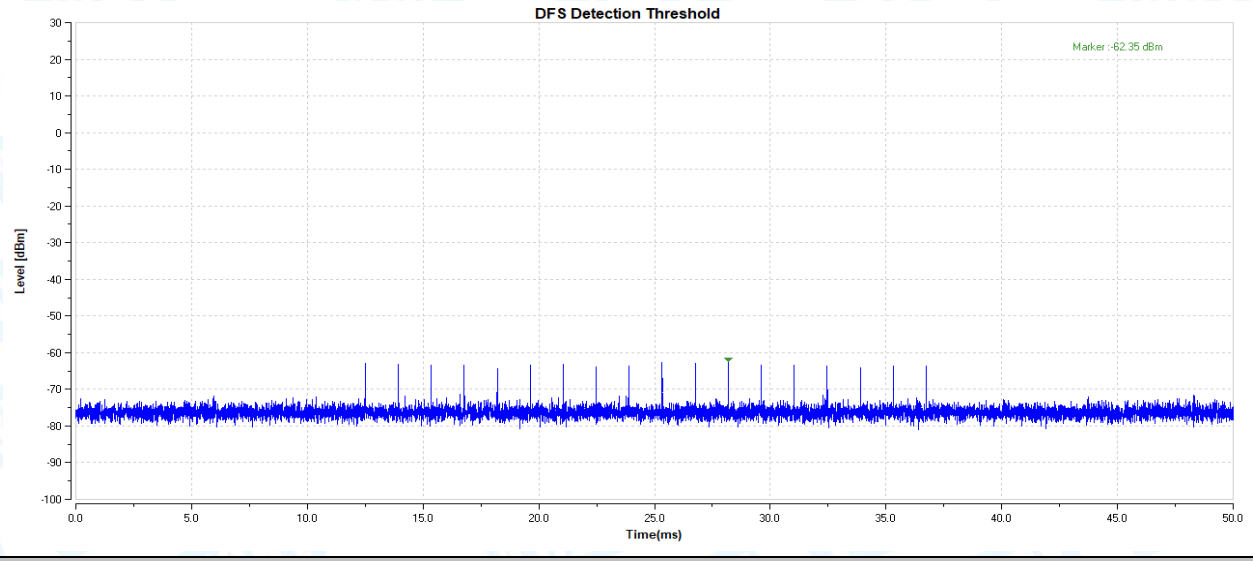
11AC80-5530-Type4-PASS



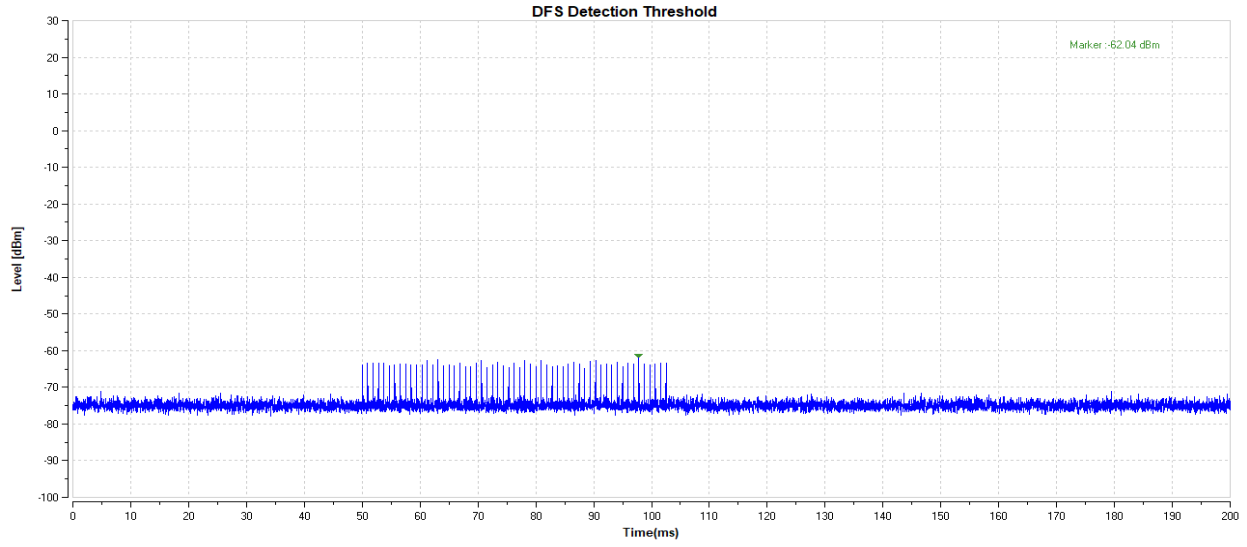
11AC80-5530-Type5-PASS



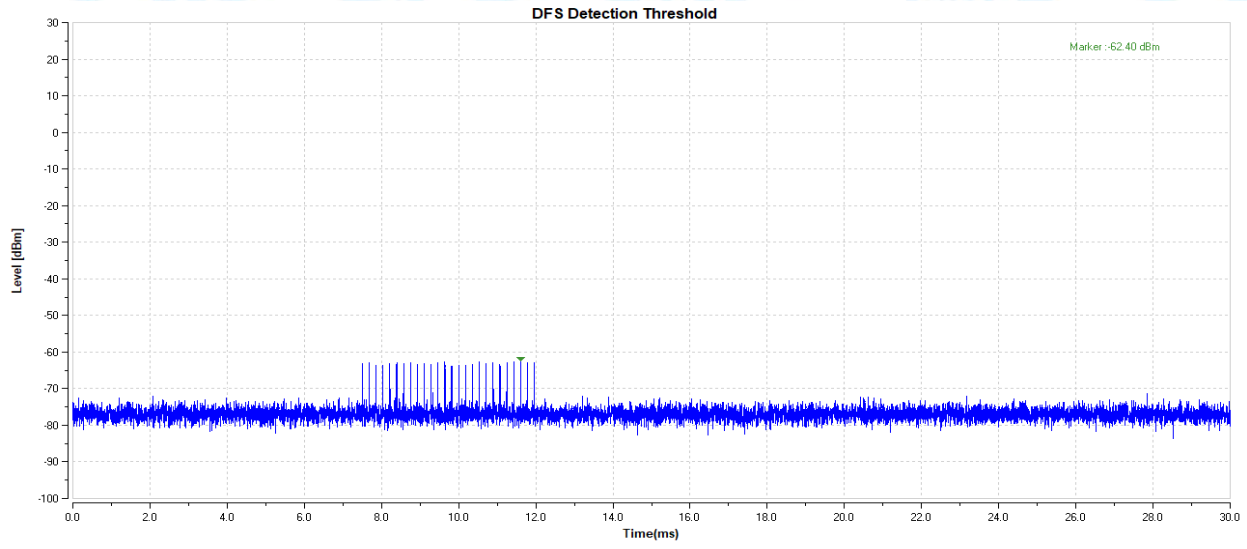
11AC80-5530-Type6-PASS



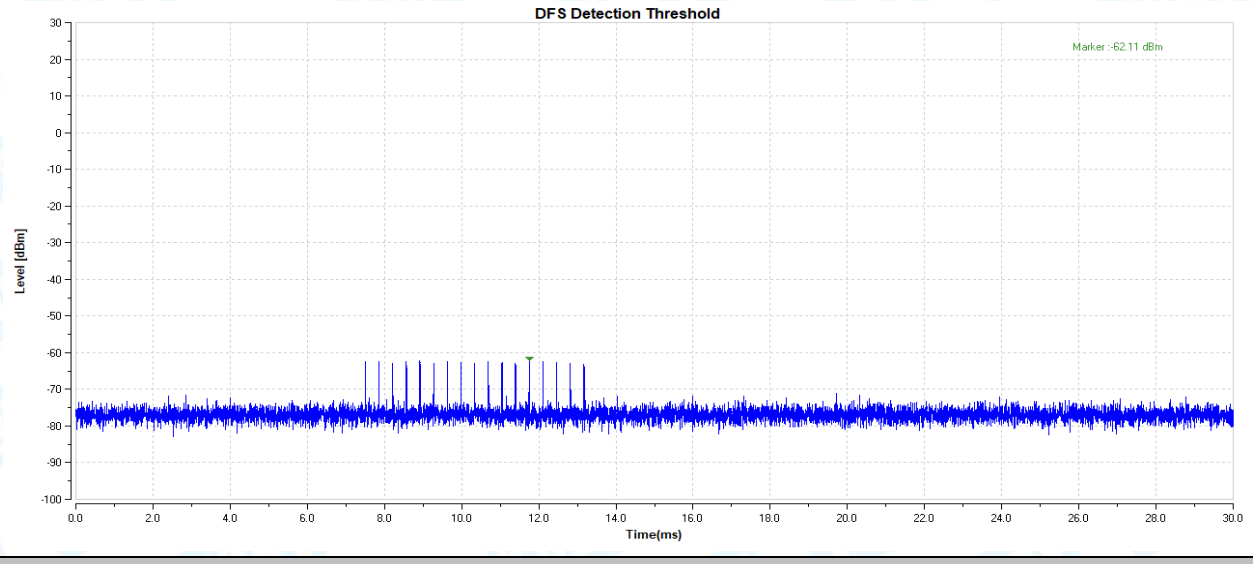
11AX160-5250-Type0-PASS



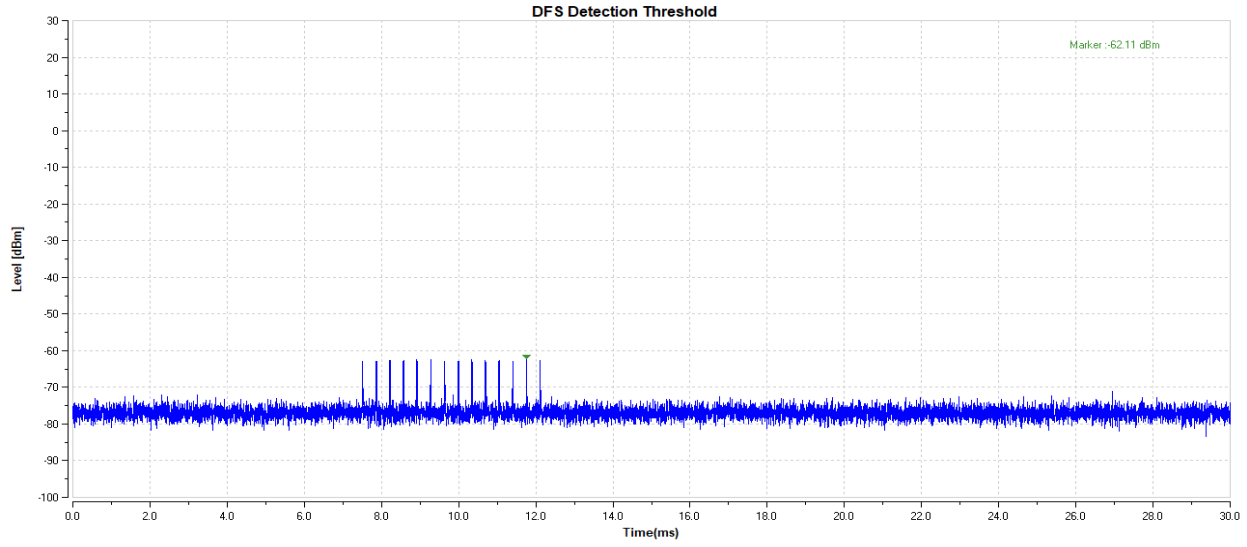
11AX160-5250-Type1-PASS



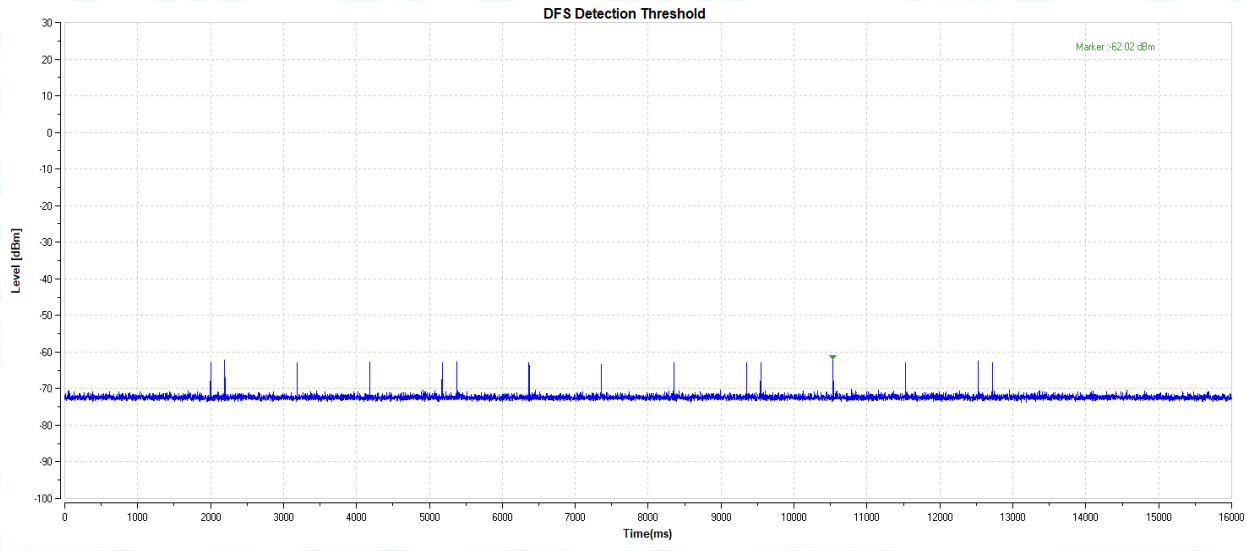
11AX160-5250-Type2-PASS



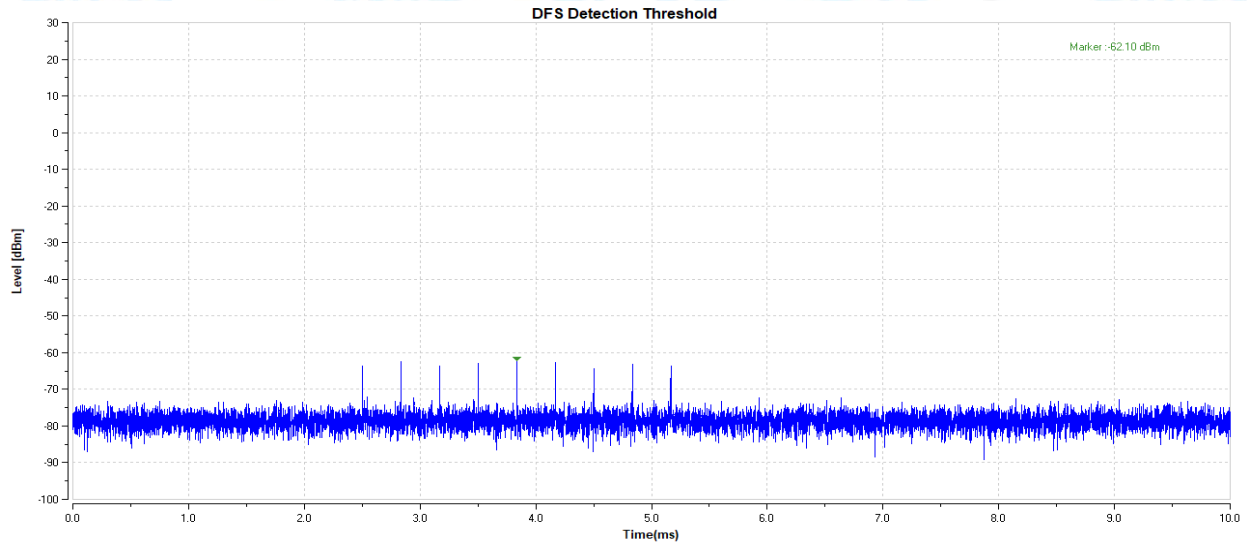
11AX160-5250-Type3-PASS



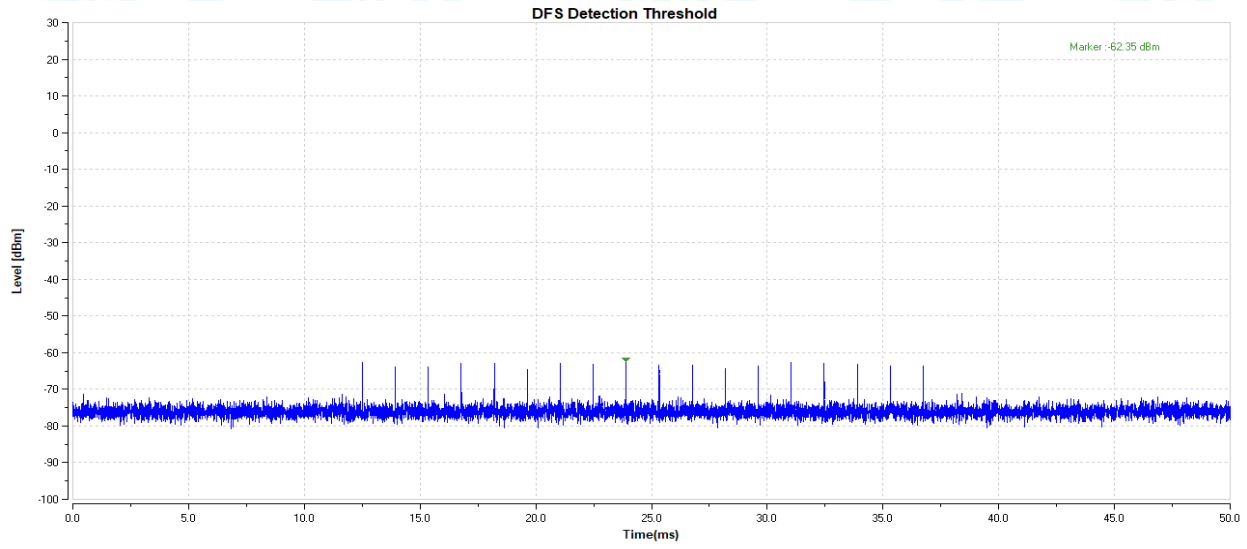
11AX160-5250-Type4-PASS



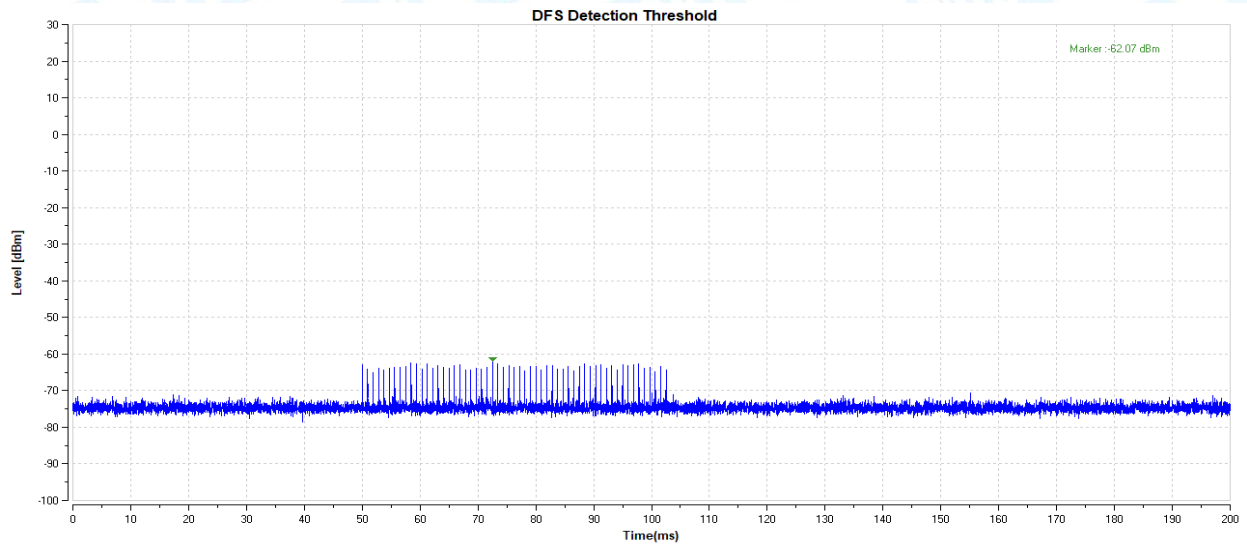
11AX160-5250-Type5-PASS



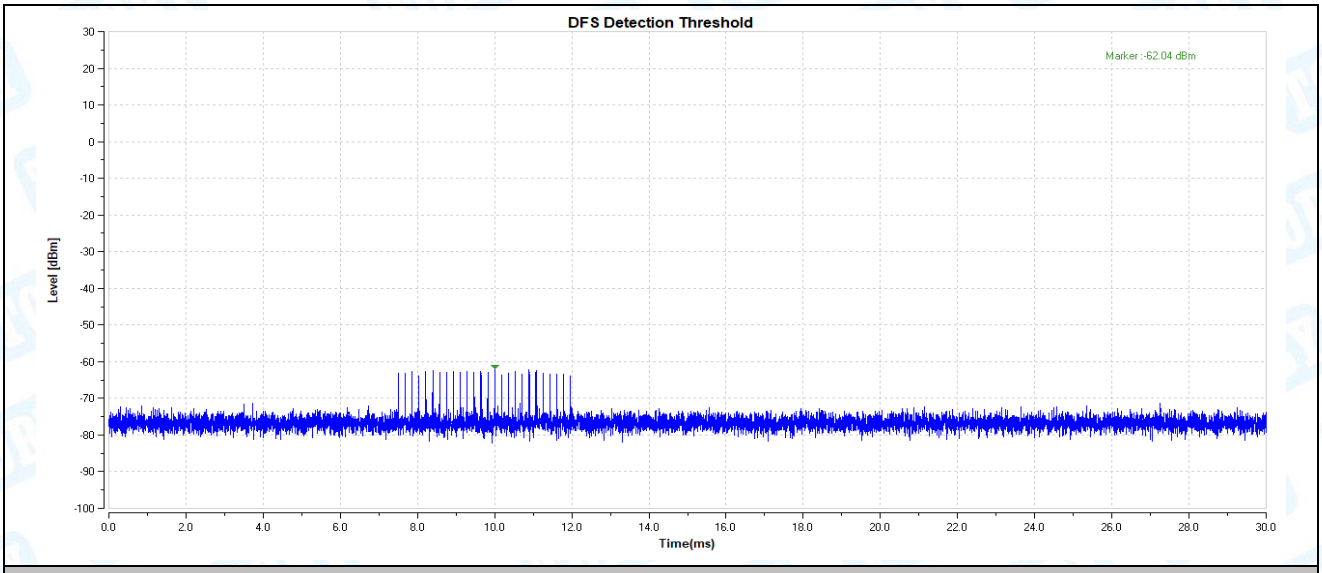
11AX160-5250-Type6-PASS



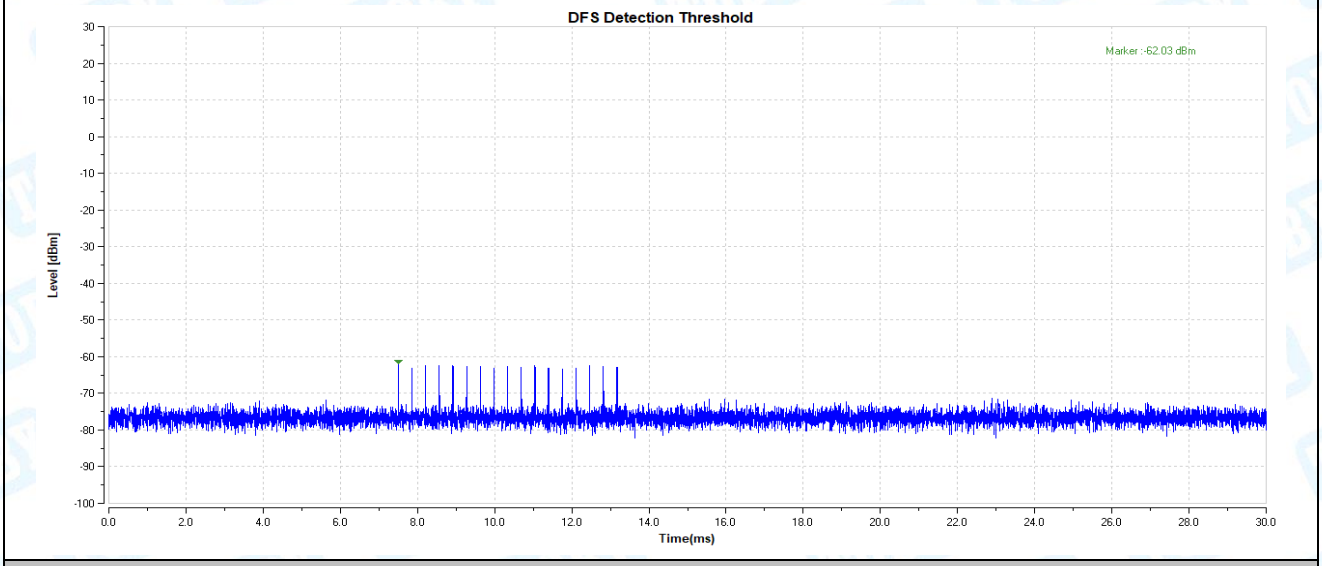
11AX160-5570-Type0-PASS



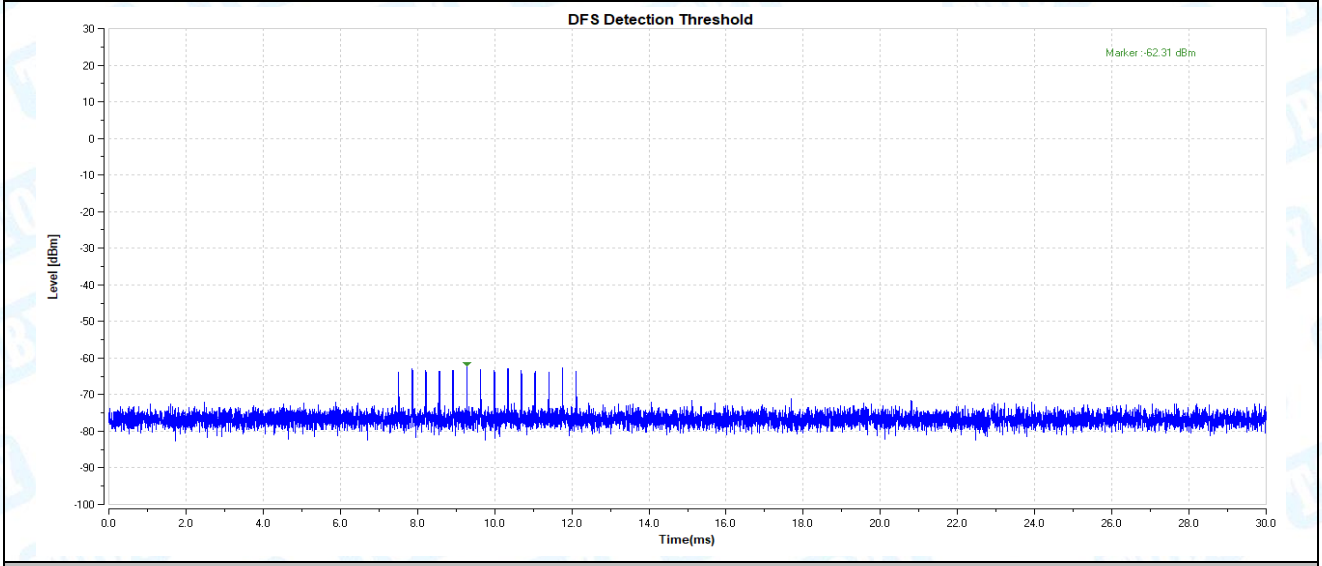
11AX160-5570-Type1-PASS



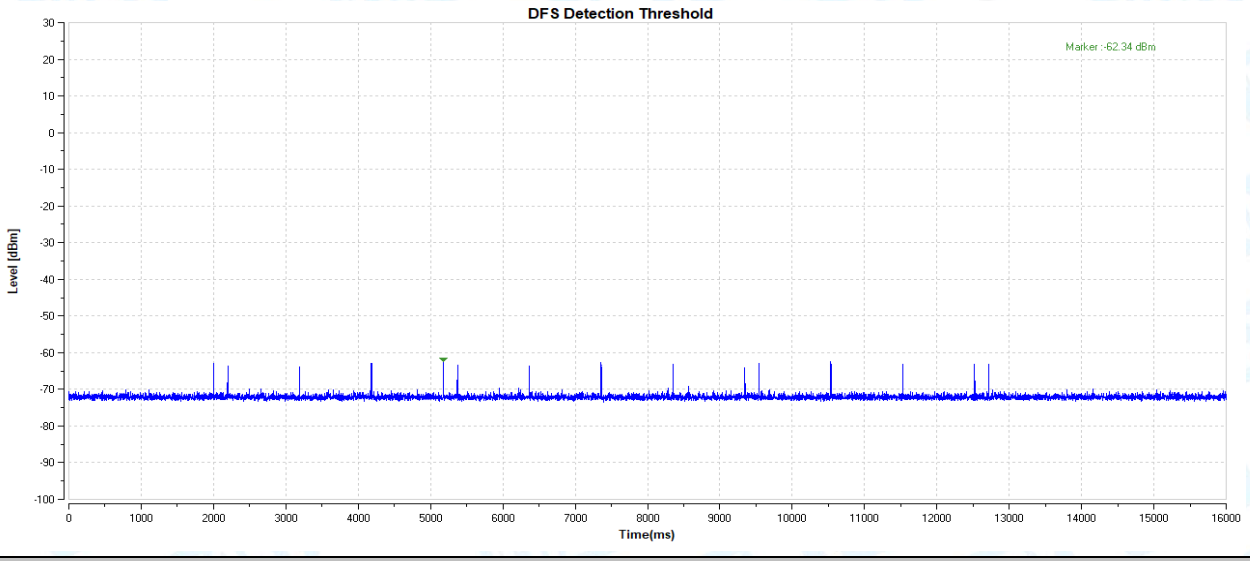
11AX160-5570-Type2-PASS



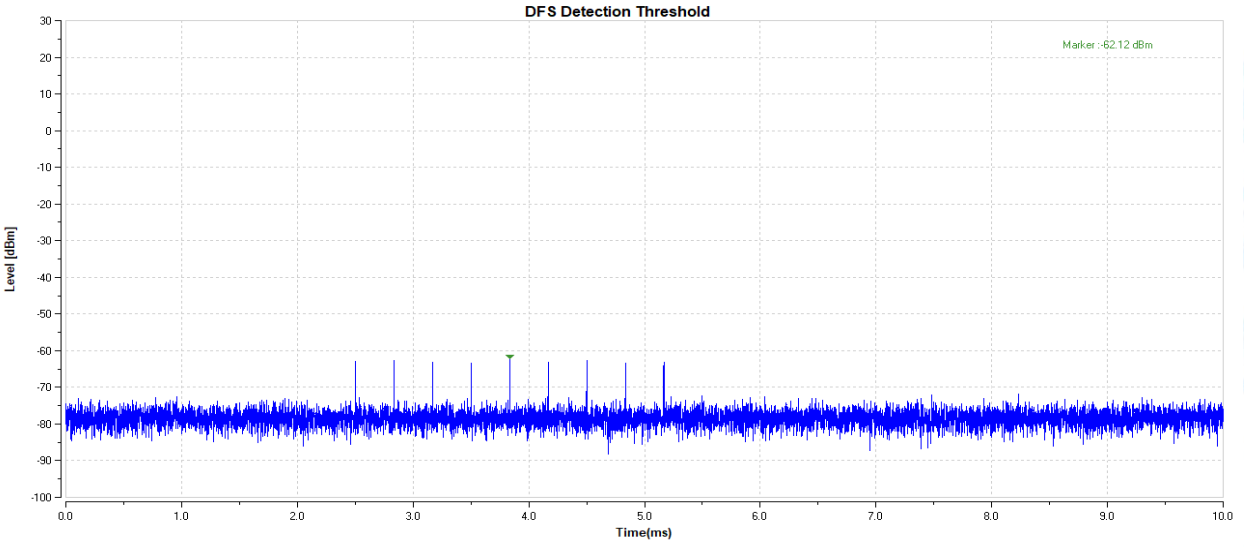
11AX160-5570-Type3-PASS



11AX160-5570-Type4-PASS



11AX160-5570-Type5-PASS



11AX160-5570-Type6-PASS

Radar Signal 1					
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 1	1	938	57	53466
1	Type 1	1	698	76	53048
2	Type 1	1	618	86	53148
3	Type 1	1	538	99	53262
4	Type 1	1	878	61	53558
5	Type 1	1	3066	18	55188
6	Type 1	1	638	83	52954
7	Type 1	1	918	58	53244
8	Type 1	1	838	63	52794
9	Type 1	1	858	62	53196
10	Type 1	1	798	67	53466
11	Type 1	1	718	74	53132
12	Type 1	1	578	92	53176
13	Type 1	1	598	89	53222
14	Type 1	1	558	95	53010
15	Type 1	1	2536	21	53256
16	Type 1	1	966	55	53130
17	Type 1	1	827	64	52928
18	Type 1	1	2501	22	55022
19	Type 1	1	2595	21	54495
20	Type 1	1	1114	48	53472
21	Type 1	1	1302	41	53382
22	Type 1	1	3045	18	54810
23	Type 1	1	1624	33	53592
24	Type 1	1	2878	19	54682
25	Type 1	1	1027	52	53404
26	Type 1	1	2485	22	54670
27	Type 1	1	1600	33	52800
28	Type 1	1	1172	46	53912
29	Type 1	1	1177	45	52965

Radar Signal 2					
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 2	3.2	179	26	4654
1	Type 2	1.1	207	23	4761
2	Type 2	2.1	230	24	5520
3	Type 2	4.8	200	29	5800
4	Type 2	3.9	214	28	5992
5	Type 2	2.9	222	26	5772
6	Type 2	3.2	204	26	5304
7	Type 2	2.5	192	25	4800
8	Type 2	3.1	164	26	4264
9	Type 2	1.2	156	23	3588
10	Type 2	3.9	210	27	5670
11	Type 2	4.6	201	29	5829
12	Type 2	3.2	162	26	4212
13	Type 2	2.2	197	25	4925
14	Type 2	4.5	163	29	4727
15	Type 2	3	203	26	5278
16	Type 2	5	168	29	4872
17	Type 2	2.4	217	25	5425
18	Type 2	2.9	191	26	4966
19	Type 2	2.3	166	25	4150
20	Type 2	3.7	150	27	4050
21	Type 2	2.2	176	25	4400
22	Type 2	4.9	195	29	5655
23	Type 2	2.9	202	26	5252
24	Type 2	2.5	178	25	4450
25	Type 2	1.1	206	23	4738
26	Type 2	3.8	155	27	4185
27	Type 2	4.7	157	29	4553
28	Type 2	2.4	224	25	5600
29	Type 2	4.2	159	28	4452

Radar Signal 3					
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 3	8.2	355	17	6035
1	Type 3	6.1	487	16	7792
2	Type 3	7.1	344	16	5504
3	Type 3	9.8	288	18	5184
4	Type 3	8.9	230	18	4140
5	Type 3	7.9	432	17	7344
6	Type 3	8.2	207	17	3519
7	Type 3	7.5	443	17	7531
8	Type 3	8.1	439	17	7463
9	Type 3	6.2	223	16	3568
10	Type 3	8.9	208	18	3744
11	Type 3	9.6	463	18	8334
12	Type 3	8.2	441	17	7497
13	Type 3	7.2	323	16	5168
14	Type 3	9.5	297	18	5346
15	Type 3	8	412	17	7004
16	Type 3	10	324	18	5832
17	Type 3	7.4	271	17	4607
18	Type 3	7.9	349	17	5933
19	Type 3	7.3	409	16	6544
20	Type 3	8.7	373	18	6714
21	Type 3	7.2	254	16	4064
22	Type 3	9.9	274	18	4932
23	Type 3	7.9	278	17	4726
24	Type 3	7.5	317	17	5389
25	Type 3	6.1	260	16	4160
26	Type 3	8.8	211	18	3798
27	Type 3	9.7	272	18	4896
28	Type 3	7.4	264	17	4488
29	Type 3	9.2	284	18	5112

Radar Signal 4					
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Length (us)
0	Type 4	16	355	14	4970
1	Type 4	11.3	487	12	5844
2	Type 4	13.5	344	13	4472
3	Type 4	19.4	288	16	4608
4	Type 4	17.5	230	15	3450
5	Type 4	15.3	432	14	6048
6	Type 4	15.9	207	14	2898
7	Type 4	14.3	443	13	5759
8	Type 4	15.8	439	14	6146
9	Type 4	11.5	223	12	2676
10	Type 4	17.4	208	15	3120
11	Type 4	19	463	16	7408
12	Type 4	16	441	14	6174
13	Type 4	13.8	323	13	4199
14	Type 4	18.9	297	16	4752
15	Type 4	15.5	412	14	5768
16	Type 4	19.9	324	16	5184
17	Type 4	14.1	271	13	3523
18	Type 4	15.2	349	14	4886
19	Type 4	13.8	409	13	5317
20	Type 4	17.1	373	15	5595
21	Type 4	13.8	254	13	3302
22	Type 4	19.8	274	16	4384
23	Type 4	15.3	278	14	3892
24	Type 4	14.5	317	13	4121
25	Type 4	11.3	260	12	3120
26	Type 4	17.3	211	15	3165
27	Type 4	19.2	272	16	4352
28	Type 4	14.2	264	13	3432
29	Type 4	18.2	284	15	4260

Radar Signal 5				
Trial ID	Radar Type	Number of Bursts	Burst Period (s)	Waveform Length (s)
0	Type 5	15	0.8	12
1	Type 5	8	1.5	12
2	Type 5	11	1.0909091	12
3	Type 5	20	0.6	12
4	Type 5	17	0.7058824	12
5	Type 5	14	0.8571429	12
6	Type 5	15	0.8	12
7	Type 5	12	1	12
8	Type 5	14	0.8571429	12
9	Type 5	8	1.5	12
10	Type 5	17	0.7058824	12
11	Type 5	19	0.6315789	12
12	Type 5	15	0.8	12
13	Type 5	12	1	12
14	Type 5	19	0.6315789	12
15	Type 5	14	0.8571429	12
16	Type 5	20	0.6	12
17	Type 5	12	1	12
18	Type 5	14	0.8571429	12
19	Type 5	12	1	12
20	Type 5	16	0.75	12
21	Type 5	12	1	12
22	Type 5	20	0.6	12
23	Type 5	14	0.8571429	12
24	Type 5	13	0.9230769	12
25	Type 5	8	1.5	12
26	Type 5	17	0.7058824	12
27	Type 5	19	0.6315789	12
28	Type 5	12	1	12
29	Type 5	18	0.6666667	12

Radar Signal 6							
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
0	Type 6	1	333.3	9	0.3333	300	32
1	Type 6	1	333.3	9	0.3333	300	27
2	Type 6	1	333.3	9	0.3333	300	25
3	Type 6	1	333.3	9	0.3333	300	33
4	Type 6	1	333.3	9	0.3333	300	37
5	Type 6	1	333.3	9	0.3333	300	30
6	Type 6	1	333.3	9	0.3333	300	33
7	Type 6	1	333.3	9	0.3333	300	27
8	Type 6	1	333.3	9	0.3333	300	33
9	Type 6	1	333.3	9	0.3333	300	30
10	Type 6	1	333.3	9	0.3333	300	37
11	Type 6	1	333.3	9	0.3333	300	36
12	Type 6	1	333.3	9	0.3333	300	38
13	Type 6	1	333.3	9	0.3333	300	35
14	Type 6	1	333.3	9	0.3333	300	28
15	Type 6	1	333.3	9	0.3333	300	37
16	Type 6	1	333.3	9	0.3333	300	35
17	Type 6	1	333.3	9	0.3333	300	37
18	Type 6	1	333.3	9	0.3333	300	27
19	Type 6	1	333.3	9	0.3333	300	34
20	Type 6	1	333.3	9	0.3333	300	35
21	Type 6	1	333.3	9	0.3333	300	37
22	Type 6	1	333.3	9	0.3333	300	41
23	Type 6	1	333.3	9	0.3333	300	36
24	Type 6	1	333.3	9	0.3333	300	29
25	Type 6	1	333.3	9	0.3333	300	32
26	Type 6	1	333.3	9	0.3333	300	30
27	Type 6	1	333.3	9	0.3333	300	31
28	Type 6	1	333.3	9	0.3333	300	31
29	Type 6	1	333.3	9	0.3333	300	40

8.4. Channel Availability Check Time

If the UUT successfully detected the radar burst, it should be observed as the UUT has no transmissions occurred until the UUT starts transmitting on another channel.

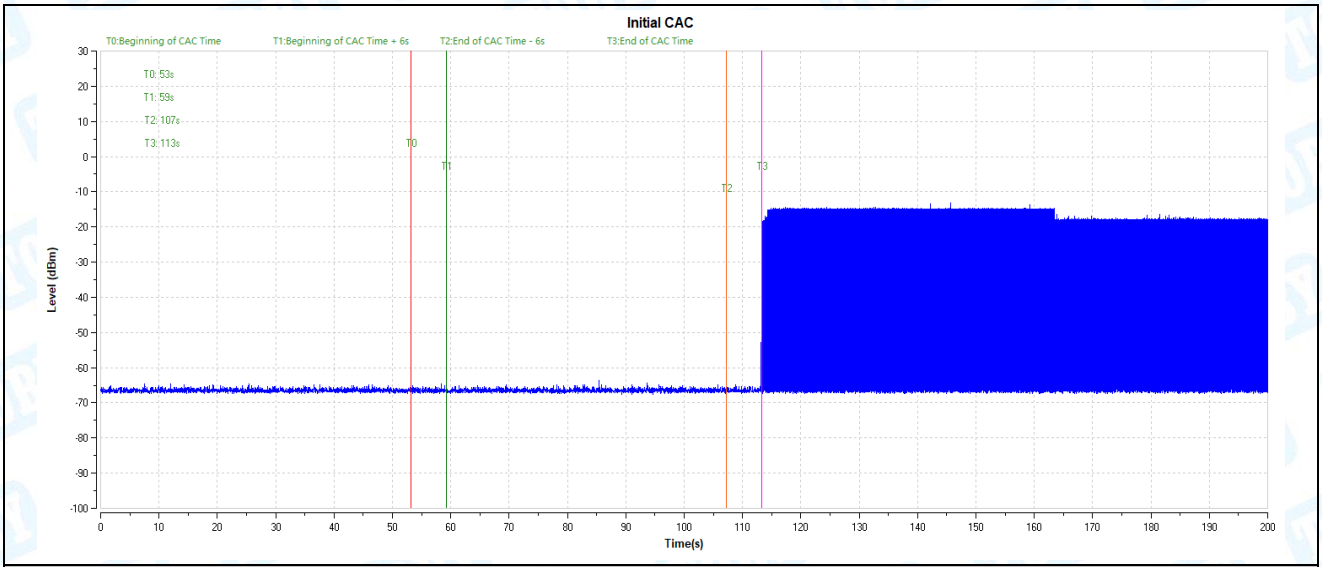
Test Result

Initial CAC			
Test Mode	Frequency[MHz]	Result	Verdict
11AX160	5250	See test Graph	PASS
11AX160	5570	See test Graph	PASS

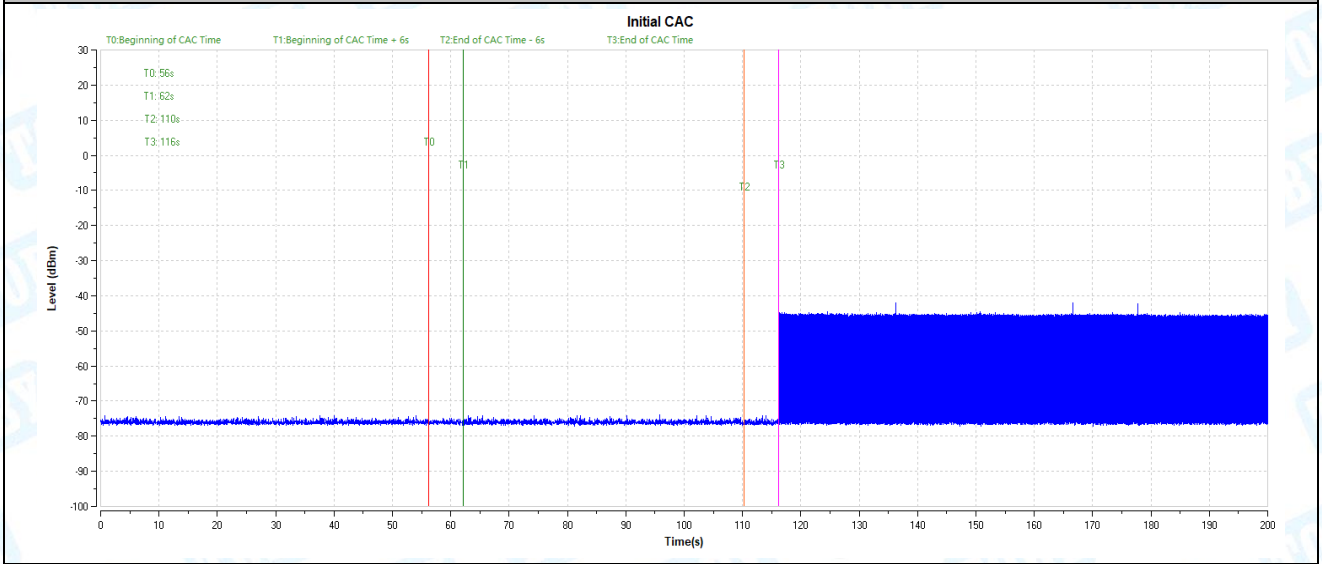
Beginning of CAC			
Test Mode	Frequency[MHz]	Result	Verdict
11AX160	5250	See test Graph	PASS
11AX160	5570	See test Graph	PASS

End of CAC			
Test Mode	Frequency[MHz]	Result	Verdict
11AX160	5250	See test Graph	PASS
11AX160	5570	See test Graph	PASS

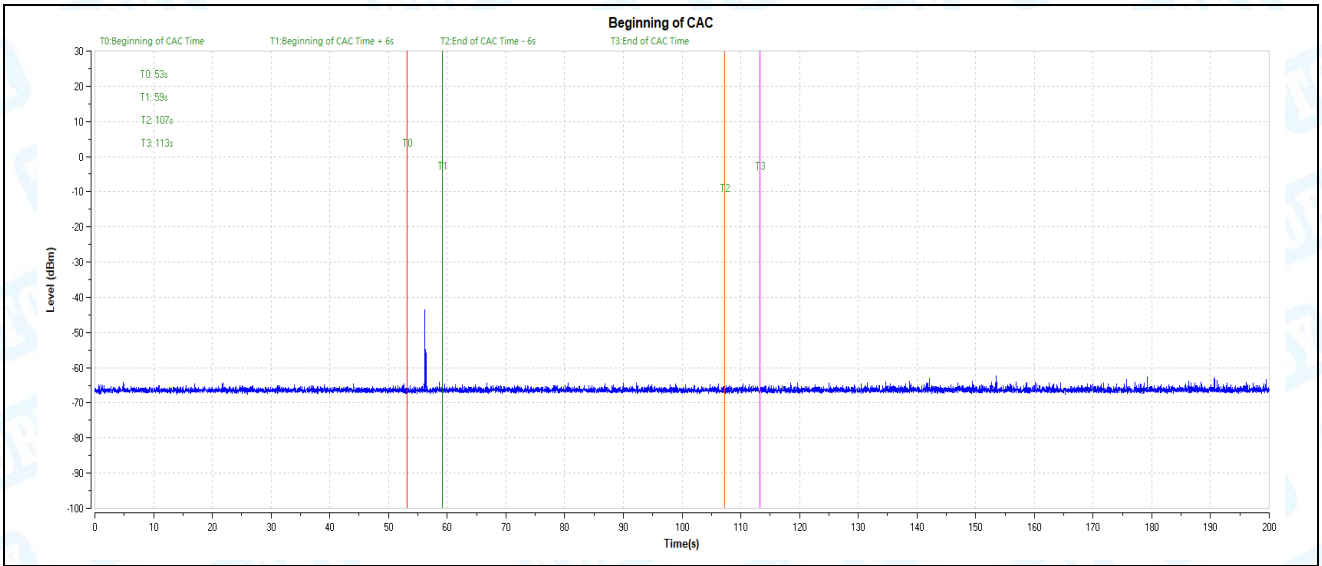
Test Graphs



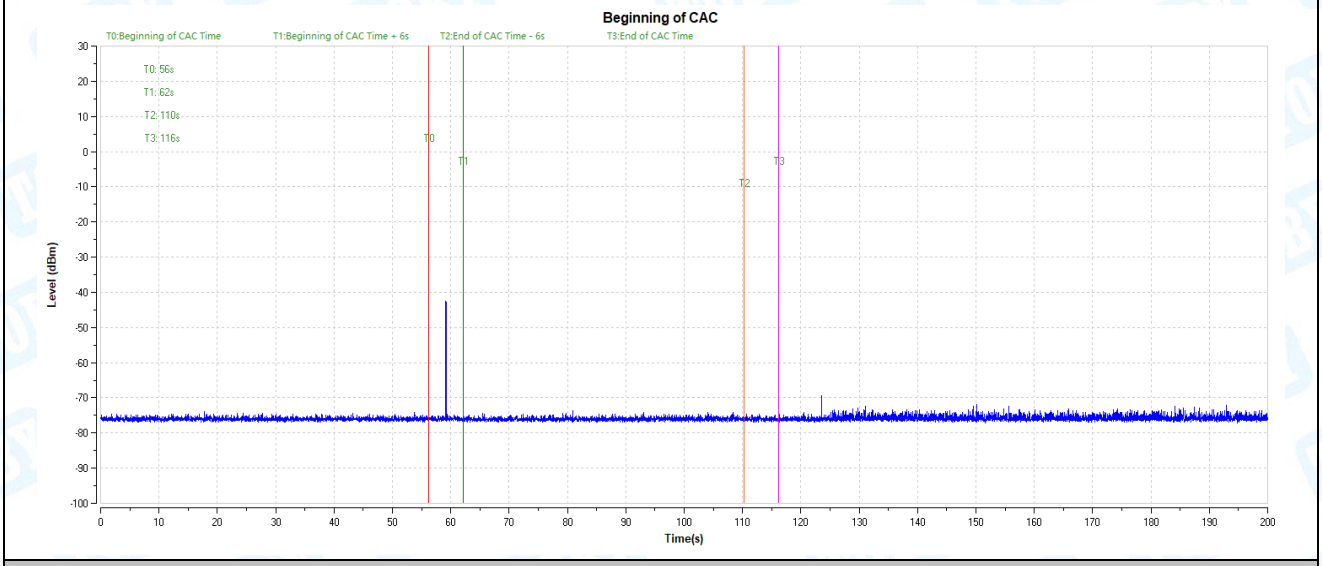
11AX160-5250-PASS



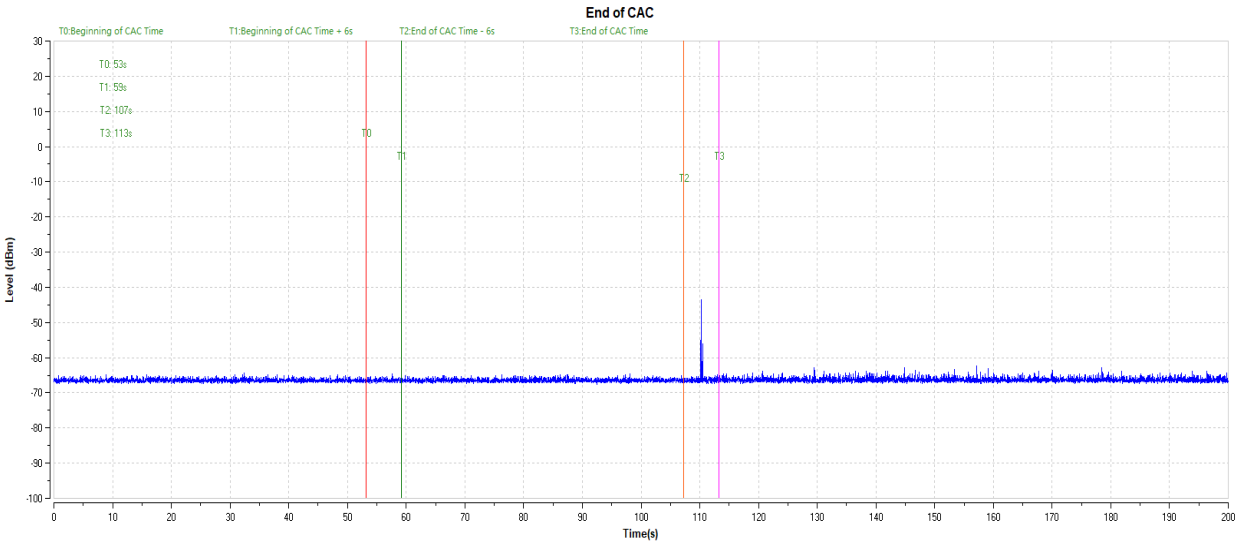
11AX160-5570-PASS



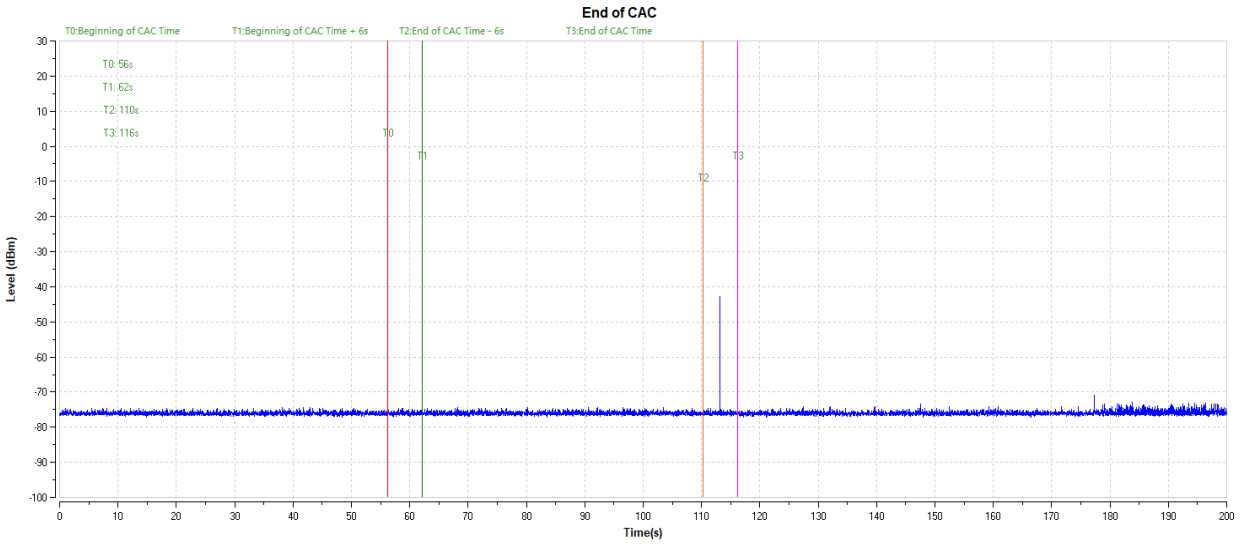
11AX160-5250-Type0-PASS



11AX160-5570-Type0-PASS



11AX160-5250-Type0-PASS



11AX160-5570-Type0-PASS

8.5. In-Service(Pd)

Test Result

Test Mode	Frequency[MHz]	Radar Type	Pass Times	Fail Times	Probability (%)	Limit (%)	Verdict
11AX160	5250	Type1	26	4	86.67	60	PASS
		Type2	24	6	80.00	60	PASS
		Type3	24	6	80.00	60	PASS
		Type4	27	3	90.00	60	PASS
		Type 1-4	---	---	84.17	80	PASS
		Type5	28	2	93.33	80	PASS
		Type6	27	3	90.00	70	PASS
11AX160	5570	Type1	30	0	100.00	60	PASS
		Type2	27	3	90.00	60	PASS
		Type3	28	2	93.33	60	PASS
		Type4	28	2	93.33	60	PASS
		Type 1-4	---	---	94.17	80	PASS
		Type5	27	3	90.00	80	PASS
		Type6	30	0	100.00	70	PASS

Test Mode	Frequency [MHz]	Radar Type	Trial ID	Pulse width(μs)	PRI(μs)	Pulses per Burst	Detection (1: Yes; 0: No)
11AX160	5250	Type1	0	1.0	938.0	57	1
11AX160	5250	Type1	2	1.0	618.0	86	1
11AX160	5250	Type1	3	1.0	538.0	99	1
11AX160	5250	Type1	4	1.0	878.0	61	1
11AX160	5250	Type1	5	1.0	3066.0	18	1
11AX160	5250	Type1	6	1.0	638.0	83	1
11AX160	5250	Type1	7	1.0	918.0	58	0
11AX160	5250	Type1	8	1.0	838.0	63	0
11AX160	5250	Type1	9	1.0	858.0	62	1
11AX160	5250	Type1	10	1.0	798.0	67	1
11AX160	5250	Type1	11	1.0	718.0	74	1
11AX160	5250	Type1	12	1.0	578.0	92	1
11AX160	5250	Type1	13	1.0	598.0	89	1
11AX160	5250	Type1	14	1.0	558.0	95	1
11AX160	5250	Type1	15	1.0	2536.0	21	0
11AX160	5250	Type1	16	1.0	966.0	55	1
11AX160	5250	Type1	17	1.0	827.0	64	1
11AX160	5250	Type1	18	1.0	2501.0	22	1
11AX160	5250	Type1	19	1.0	2595.0	21	1
11AX160	5250	Type1	20	1.0	1114.0	48	0
11AX160	5250	Type1	21	1.0	1302.0	41	1
11AX160	5250	Type1	22	1.0	3045.0	18	1
11AX160	5250	Type1	23	1.0	1624.0	33	1
11AX160	5250	Type1	24	1.0	2878.0	19	1
11AX160	5250	Type1	25	1.0	1027.0	52	1
11AX160	5250	Type1	26	1.0	2485.0	22	1
11AX160	5250	Type1	27	1.0	1600.0	33	1
11AX160	5250	Type1	28	1.0	1172.0	46	1
11AX160	5250	Type1	29	1.0	1177.0	45	1
11AX160	5250	Type1	1	1.0	698.0	76	1
11AX160	5250	Type2	0	3.2	179.0	26	0
11AX160	5250	Type2	1	1.1	207.0	23	1
11AX160	5250	Type2	2	2.1	230.0	24	0
11AX160	5250	Type2	3	4.8	200.0	29	1
11AX160	5250	Type2	4	3.9	214.0	28	1
11AX160	5250	Type2	5	2.9	222.0	26	1
11AX160	5250	Type2	6	3.2	204.0	26	1
11AX160	5250	Type2	7	2.5	192.0	25	1
11AX160	5250	Type2	8	3.1	164.0	26	1
11AX160	5250	Type2	9	1.2	156.0	23	0
11AX160	5250	Type2	10	3.9	210.0	27	0
11AX160	5250	Type2	11	4.6	201.0	29	1
11AX160	5250	Type2	12	3.2	162.0	26	1
11AX160	5250	Type2	13	2.2	197.0	25	1
11AX160	5250	Type2	14	4.5	163.0	29	1
11AX160	5250	Type2	15	3.0	203.0	26	1
11AX160	5250	Type2	17	2.4	217.0	25	0
11AX160	5250	Type2	18	2.9	191.0	26	1
11AX160	5250	Type2	19	2.3	166.0	25	1
11AX160	5250	Type2	20	3.7	150.0	27	1
11AX160	5250	Type2	21	2.2	176.0	25	1
11AX160	5250	Type2	22	4.9	195.0	29	1
11AX160	5250	Type2	23	2.9	202.0	26	1
11AX160	5250	Type2	24	2.5	178.0	25	1
11AX160	5250	Type2	25	1.1	206.0	23	1
11AX160	5250	Type2	26	3.8	155.0	27	0
11AX160	5250	Type2	27	4.7	157.0	29	1
11AX160	5250	Type2	28	2.4	224.0	25	1
11AX160	5250	Type2	29	4.2	159.0	28	1
11AX160	5250	Type2	16	5.0	168.0	29	1
11AX160	5250	Type3	0	8.2	355.0	17	1
11AX160	5250	Type3	1	6.1	487.0	16	1
11AX160	5250	Type3	2	7.1	344.0	16	1
11AX160	5250	Type3	3	9.8	288.0	18	0
11AX160	5250	Type3	4	8.9	230.0	18	1
11AX160	5250	Type3	5	7.9	432.0	17	1
11AX160	5250	Type3	6	8.2	207.0	17	1

11AX160	5250	Type3	7	7.5	443.0	17	1
11AX160	5250	Type3	8	8.1	439.0	17	1
11AX160	5250	Type3	9	6.2	223.0	16	1
11AX160	5250	Type3	10	8.9	208.0	18	1
11AX160	5250	Type3	11	9.6	463.0	18	0
11AX160	5250	Type3	12	8.2	441.0	17	0
11AX160	5250	Type3	13	7.2	323.0	16	1
11AX160	5250	Type3	14	9.5	297.0	18	1
11AX160	5250	Type3	15	8.0	412.0	17	1
11AX160	5250	Type3	16	10.0	324.0	18	1
11AX160	5250	Type3	17	7.4	271.0	17	1
11AX160	5250	Type3	18	7.9	349.0	17	1
11AX160	5250	Type3	19	7.3	409.0	16	0
11AX160	5250	Type3	20	8.7	373.0	18	0
11AX160	5250	Type3	21	7.2	254.0	16	1
11AX160	5250	Type3	22	9.9	274.0	18	1
11AX160	5250	Type3	23	7.9	278.0	17	1
11AX160	5250	Type3	24	7.5	317.0	17	0
11AX160	5250	Type3	25	6.1	260.0	16	1
11AX160	5250	Type3	26	8.8	211.0	18	1
11AX160	5250	Type3	27	9.7	272.0	18	1
11AX160	5250	Type3	28	7.4	264.0	17	1
11AX160	5250	Type3	29	9.2	284.0	18	1
11AX160	5250	Type4	0	16.0	355.0	14	1
11AX160	5250	Type4	1	11.3	487.0	12	1
11AX160	5250	Type4	2	13.5	344.0	13	1
11AX160	5250	Type4	3	19.4	288.0	16	1
11AX160	5250	Type4	4	17.5	230.0	15	1
11AX160	5250	Type4	5	15.3	432.0	14	1
11AX160	5250	Type4	6	15.9	207.0	14	1
11AX160	5250	Type4	7	14.3	443.0	13	1
11AX160	5250	Type4	8	15.8	439.0	14	1
11AX160	5250	Type4	9	11.5	223.0	12	1
11AX160	5250	Type4	10	17.4	208.0	15	1
11AX160	5250	Type4	11	19.0	463.0	16	1
11AX160	5250	Type4	12	16.0	441.0	14	1
11AX160	5250	Type4	13	13.8	323.0	13	1
11AX160	5250	Type4	14	18.9	297.0	16	1
11AX160	5250	Type4	15	15.5	412.0	14	1
11AX160	5250	Type4	16	19.9	324.0	16	1
11AX160	5250	Type4	17	14.1	271.0	13	1
11AX160	5250	Type4	18	15.2	349.0	14	1
11AX160	5250	Type4	19	13.8	409.0	13	1
11AX160	5250	Type4	20	17.1	373.0	15	0
11AX160	5250	Type4	21	13.8	254.0	13	1
11AX160	5250	Type4	22	19.8	274.0	16	1
11AX160	5250	Type4	23	15.3	278.0	14	1
11AX160	5250	Type4	24	14.5	317.0	13	1
11AX160	5250	Type4	25	11.3	260.0	12	1
11AX160	5250	Type4	26	17.3	211.0	15	1
11AX160	5250	Type4	27	19.2	272.0	16	0
11AX160	5250	Type4	28	14.2	264.0	13	0
11AX160	5250	Type4	29	18.2	284.0	15	1
11AX160	5570	Type1	0	1.0	938.0	57	1
11AX160	5570	Type1	1	1.0	698.0	76	1
11AX160	5570	Type1	2	1.0	618.0	86	1
11AX160	5570	Type1	3	1.0	538.0	99	1
11AX160	5570	Type1	4	1.0	878.0	61	1
11AX160	5570	Type1	5	1.0	3066.0	18	1
11AX160	5570	Type1	6	1.0	638.0	83	1
11AX160	5570	Type1	7	1.0	918.0	58	1
11AX160	5570	Type1	8	1.0	838.0	63	1
11AX160	5570	Type1	9	1.0	858.0	62	1
11AX160	5570	Type1	10	1.0	798.0	67	1
11AX160	5570	Type1	11	1.0	718.0	74	1
11AX160	5570	Type1	12	1.0	578.0	92	1
11AX160	5570	Type1	13	1.0	598.0	89	1
11AX160	5570	Type1	14	1.0	558.0	95	1
11AX160	5570	Type1	15	1.0	2536.0	21	1
11AX160	5570	Type1	16	1.0	966.0	55	1

11AX160	5570	Type1	17	1.0	827.0	64	1
11AX160	5570	Type1	18	1.0	2501.0	22	1
11AX160	5570	Type1	19	1.0	2595.0	21	1
11AX160	5570	Type1	20	1.0	1114.0	48	1
11AX160	5570	Type1	21	1.0	1302.0	41	1
11AX160	5570	Type1	22	1.0	3045.0	18	1
11AX160	5570	Type1	23	1.0	1624.0	33	1
11AX160	5570	Type1	24	1.0	2878.0	19	1
11AX160	5570	Type1	25	1.0	1027.0	52	1
11AX160	5570	Type1	26	1.0	2485.0	22	1
11AX160	5570	Type1	27	1.0	1600.0	33	1
11AX160	5570	Type1	28	1.0	1172.0	46	1
11AX160	5570	Type1	29	1.0	1177.0	45	1
11AX160	5570	Type2	0	3.2	179.0	26	0
11AX160	5570	Type2	1	1.1	207.0	23	1
11AX160	5570	Type2	2	2.1	230.0	24	1
11AX160	5570	Type2	3	4.8	200.0	29	1
11AX160	5570	Type2	4	3.9	214.0	28	1
11AX160	5570	Type2	5	2.9	222.0	26	1
11AX160	5570	Type2	6	3.2	204.0	26	1
11AX160	5570	Type2	7	2.5	192.0	25	0
11AX160	5570	Type2	8	3.1	164.0	26	1
11AX160	5570	Type2	9	1.2	156.0	23	1
11AX160	5570	Type2	10	3.9	210.0	27	1
11AX160	5570	Type2	11	4.6	201.0	29	1
11AX160	5570	Type2	12	3.2	162.0	26	1
11AX160	5570	Type2	13	2.2	197.0	25	1
11AX160	5570	Type2	14	4.5	163.0	29	1
11AX160	5570	Type2	15	3.0	203.0	26	1
11AX160	5570	Type2	16	5.0	168.0	29	0
11AX160	5570	Type2	17	2.4	217.0	25	1
11AX160	5570	Type2	18	2.9	191.0	26	1
11AX160	5570	Type2	19	2.3	166.0	25	1
11AX160	5570	Type2	20	3.7	150.0	27	1
11AX160	5570	Type2	21	2.2	176.0	25	1
11AX160	5570	Type2	22	4.9	195.0	29	1
11AX160	5570	Type2	23	2.9	202.0	26	1
11AX160	5570	Type2	24	2.5	178.0	25	1
11AX160	5570	Type2	25	1.1	206.0	23	1
11AX160	5570	Type2	26	3.8	155.0	27	1
11AX160	5570	Type2	27	4.7	157.0	29	1
11AX160	5570	Type2	28	2.4	224.0	25	1
11AX160	5570	Type2	29	4.2	159.0	28	1
11AX160	5570	Type3	0	8.2	355.0	17	1
11AX160	5570	Type3	1	6.1	487.0	16	1
11AX160	5570	Type3	2	7.1	344.0	16	0
11AX160	5570	Type3	3	9.8	288.0	18	1
11AX160	5570	Type3	4	8.9	230.0	18	1
11AX160	5570	Type3	5	7.9	432.0	17	1
11AX160	5570	Type3	6	8.2	207.0	17	1
11AX160	5570	Type3	7	7.5	443.0	17	1
11AX160	5570	Type3	8	8.1	439.0	17	1
11AX160	5570	Type3	9	6.2	223.0	16	1
11AX160	5570	Type3	10	8.9	208.0	18	1
11AX160	5570	Type3	11	9.6	463.0	18	1
11AX160	5570	Type3	12	8.2	441.0	17	1
11AX160	5570	Type3	13	7.2	323.0	16	0
11AX160	5570	Type3	14	9.5	297.0	18	1
11AX160	5570	Type3	15	8.0	412.0	17	1
11AX160	5570	Type3	16	10.0	324.0	18	1
11AX160	5570	Type3	17	7.4	271.0	17	1
11AX160	5570	Type3	18	7.9	349.0	17	1
11AX160	5570	Type3	19	7.3	409.0	16	1
11AX160	5570	Type3	20	8.7	373.0	18	1
11AX160	5570	Type3	21	7.2	254.0	16	1
11AX160	5570	Type3	22	9.9	274.0	18	1
11AX160	5570	Type3	23	7.9	278.0	17	1
11AX160	5570	Type3	24	7.5	317.0	17	1
11AX160	5570	Type3	25	6.1	260.0	16	1
11AX160	5570	Type3	26	8.8	211.0	18	1

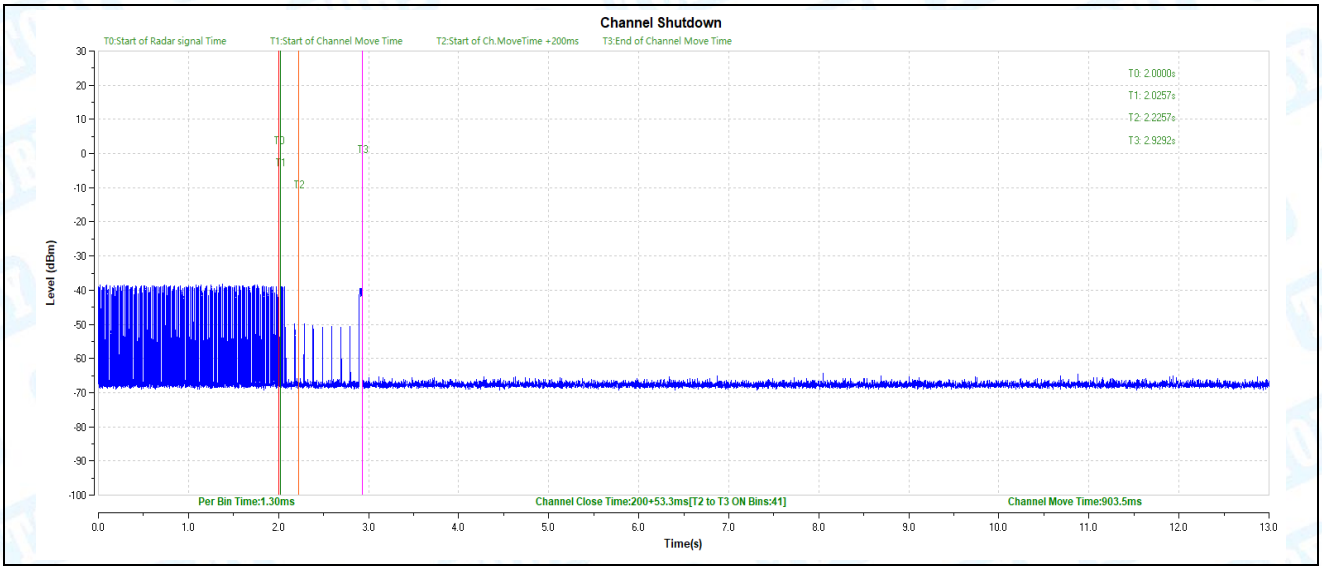
11AX160	5570	Type3	27	9.7	272.0	18	1
11AX160	5570	Type3	28	7.4	264.0	17	1
11AX160	5570	Type3	29	9.2	284.0	18	1
11AX160	5570	Type4	0	16.0	355.0	14	1
11AX160	5570	Type4	1	11.3	487.0	12	1
11AX160	5570	Type4	2	13.5	344.0	13	1
11AX160	5570	Type4	3	19.4	288.0	16	1
11AX160	5570	Type4	4	17.5	230.0	15	1
11AX160	5570	Type4	5	15.3	432.0	14	1
11AX160	5570	Type4	6	15.9	207.0	14	1
11AX160	5570	Type4	7	14.3	443.0	13	1
11AX160	5570	Type4	8	15.8	439.0	14	1
11AX160	5570	Type4	9	11.5	223.0	12	1
11AX160	5570	Type4	10	17.4	208.0	15	1
11AX160	5570	Type4	11	19.0	463.0	16	0
11AX160	5570	Type4	12	16.0	441.0	14	1
11AX160	5570	Type4	13	13.8	323.0	13	1
11AX160	5570	Type4	14	18.9	297.0	16	1
11AX160	5570	Type4	15	15.5	412.0	14	1
11AX160	5570	Type4	16	19.9	324.0	16	0
11AX160	5570	Type4	17	14.1	271.0	13	1
11AX160	5570	Type4	18	15.2	349.0	14	1
11AX160	5570	Type4	19	13.8	409.0	13	1
11AX160	5570	Type4	20	17.1	373.0	15	1
11AX160	5570	Type4	21	13.8	254.0	13	1
11AX160	5570	Type4	22	19.8	274.0	16	1
11AX160	5570	Type4	23	15.3	278.0	14	1
11AX160	5570	Type4	24	14.5	317.0	13	1
11AX160	5570	Type4	25	11.3	260.0	12	1
11AX160	5570	Type4	26	17.3	211.0	15	1
11AX160	5570	Type4	27	19.2	272.0	16	1
11AX160	5570	Type4	28	14.2	264.0	13	1
11AX160	5570	Type4	29	18.2	284.0	15	1

Test Mode	Frequency [MHz]	Radar Type	Trial ID	Number Of Bursts	Waveform Length (s))	Radar Frequency	Detection (1: Yes; 0: No)
11AX160	5250	Type5	0	15	12	5260	1
11AX160	5250	Type5	1	8	12	5260	1
11AX160	5250	Type5	2	11	12	5260	1
11AX160	5250	Type5	3	20	12	5260	1
11AX160	5250	Type5	4	17	12	5260	1
11AX160	5250	Type5	5	14	12	5260	1
11AX160	5250	Type5	6	15	12	5260	1
11AX160	5250	Type5	7	12	12	5260	1
11AX160	5250	Type5	8	14	12	5260	1
11AX160	5250	Type5	9	8	12	5260	0
11AX160	5250	Type5	10	17	12	5188	1
11AX160	5250	Type5	11	19	12	5189	1
11AX160	5250	Type5	12	15	12	5187	1
11AX160	5250	Type5	13	12	12	5186	1
11AX160	5250	Type5	14	19	12	5189	1
11AX160	5250	Type5	15	14	12	5186	1
11AX160	5250	Type5	16	20	12	5190	1
11AX160	5250	Type5	17	12	12	5186	1
11AX160	5250	Type5	18	14	12	5186	0
11AX160	5250	Type5	19	12	12	5186	1
11AX160	5250	Type5	20	16	12	5332	1
11AX160	5250	Type5	21	12	12	5335	1
11AX160	5250	Type5	22	20	12	5330	1
11AX160	5250	Type5	23	14	12	5334	1
11AX160	5250	Type5	24	13	12	5334	1
11AX160	5250	Type5	25	8	12	5336	1
11AX160	5250	Type5	26	17	12	5332	1
11AX160	5250	Type5	27	19	12	5331	1
11AX160	5250	Type5	28	12	12	5334	1
11AX160	5250	Type5	29	18	12	5332	1
11AX160	5570	Type5	0	15	12	5570	1
11AX160	5570	Type5	1	8	12	5570	1
11AX160	5570	Type5	2	11	12	5570	1
11AX160	5570	Type5	3	20	12	5570	1
11AX160	5570	Type5	4	17	12	5570	1
11AX160	5570	Type5	5	14	12	5570	1
11AX160	5570	Type5	6	15	12	5570	0
11AX160	5570	Type5	7	12	12	5570	1
11AX160	5570	Type5	8	14	12	5570	1
11AX160	5570	Type5	9	8	12	5570	1
11AX160	5570	Type5	10	17	12	5497	1
11AX160	5570	Type5	11	19	12	5499	1
11AX160	5570	Type5	12	15	12	5496	1
11AX160	5570	Type5	13	12	12	5495	1
11AX160	5570	Type5	14	19	12	5498	1
11AX160	5570	Type5	15	14	12	5496	1
11AX160	5570	Type5	16	20	12	5499	0
11AX160	5570	Type5	17	12	12	5495	1
11AX160	5570	Type5	18	14	12	5496	1
11AX160	5570	Type5	19	12	12	5495	1
11AX160	5570	Type5	20	16	12	5643	1
11AX160	5570	Type5	21	12	12	5645	0
11AX160	5570	Type5	22	20	12	5641	1
11AX160	5570	Type5	23	14	12	5644	1
11AX160	5570	Type5	24	13	12	5645	1
11AX160	5570	Type5	25	8	12	5647	1
11AX160	5570	Type5	26	17	12	5643	1
11AX160	5570	Type5	27	19	12	5641	1
11AX160	5570	Type5	28	12	12	5645	1
11AX160	5570	Type5	29	18	12	5642	1

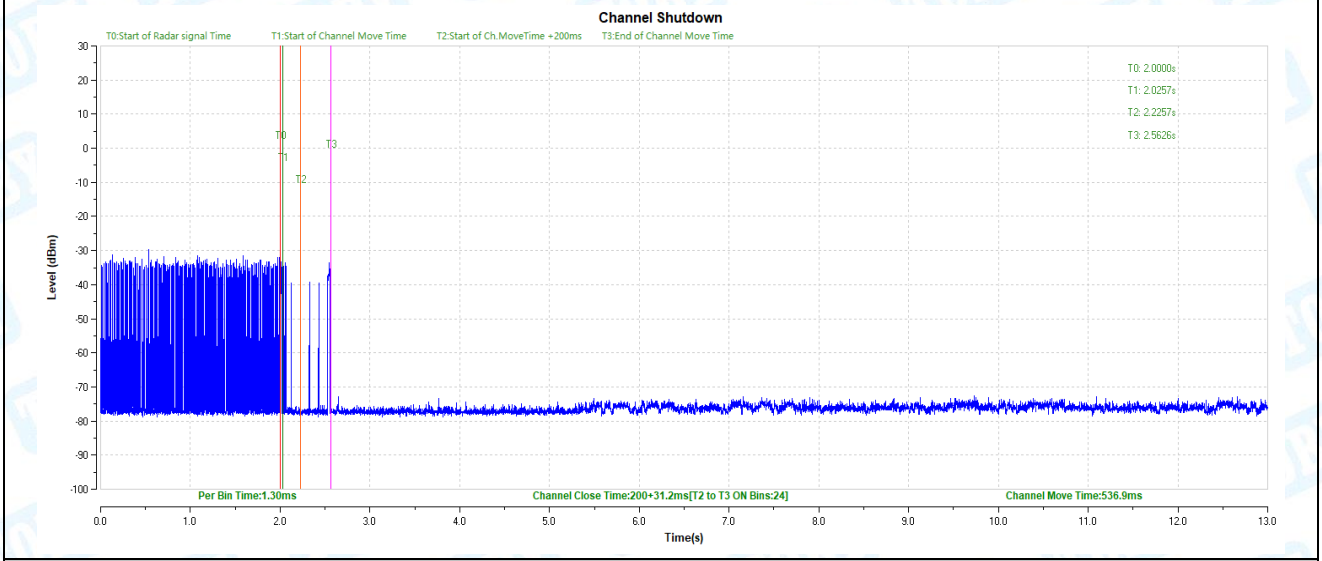
Test Mode	Frequency [MHz]	Radar Type	Trial ID	Pulse width (μs)	PRI (μs)	Pulses per Hop	Detection (1: Yes; 0: No)
11AX160	5250	Type6	0	1	333.3	9	1
11AX160	5250	Type6	1	1	333.3	9	1
11AX160	5250	Type6	2	1	333.3	9	1
11AX160	5250	Type6	3	1	333.3	9	1
11AX160	5250	Type6	4	1	333.3	9	1
11AX160	5250	Type6	5	1	333.3	9	1
11AX160	5250	Type6	6	1	333.3	9	0
11AX160	5250	Type6	7	1	333.3	9	1
11AX160	5250	Type6	8	1	333.3	9	0
11AX160	5250	Type6	9	1	333.3	9	1
11AX160	5250	Type6	10	1	333.3	9	1
11AX160	5250	Type6	11	1	333.3	9	1
11AX160	5250	Type6	12	1	333.3	9	1
11AX160	5250	Type6	13	1	333.3	9	1
11AX160	5250	Type6	14	1	333.3	9	1
11AX160	5250	Type6	15	1	333.3	9	1
11AX160	5250	Type6	16	1	333.3	9	1
11AX160	5250	Type6	17	1	333.3	9	1
11AX160	5250	Type6	18	1	333.3	9	1
11AX160	5250	Type6	19	1	333.3	9	1
11AX160	5250	Type6	20	1	333.3	9	0
11AX160	5250	Type6	21	1	333.3	9	1
11AX160	5250	Type6	22	1	333.3	9	1
11AX160	5250	Type6	23	1	333.3	9	1
11AX160	5250	Type6	24	1	333.3	9	1
11AX160	5250	Type6	25	1	333.3	9	1
11AX160	5250	Type6	26	1	333.3	9	1
11AX160	5250	Type6	27	1	333.3	9	1
11AX160	5250	Type6	28	1	333.3	9	1
11AX160	5250	Type6	29	1	333.3	9	1
11AX160	5570	Type6	0	1	333.3	9	1
11AX160	5570	Type6	1	1	333.3	9	1
11AX160	5570	Type6	2	1	333.3	9	1
11AX160	5570	Type6	3	1	333.3	9	1
11AX160	5570	Type6	4	1	333.3	9	1
11AX160	5570	Type6	5	1	333.3	9	1
11AX160	5570	Type6	6	1	333.3	9	1
11AX160	5570	Type6	7	1	333.3	9	1
11AX160	5570	Type6	8	1	333.3	9	1
11AX160	5570	Type6	9	1	333.3	9	1
11AX160	5570	Type6	10	1	333.3	9	1
11AX160	5570	Type6	11	1	333.3	9	1
11AX160	5570	Type6	12	1	333.3	9	1
11AX160	5570	Type6	13	1	333.3	9	1
11AX160	5570	Type6	14	1	333.3	9	1
11AX160	5570	Type6	15	1	333.3	9	1
11AX160	5570	Type6	16	1	333.3	9	1
11AX160	5570	Type6	17	1	333.3	9	1
11AX160	5570	Type6	18	1	333.3	9	1
11AX160	5570	Type6	19	1	333.3	9	1
11AX160	5570	Type6	20	1	333.3	9	1
11AX160	5570	Type6	21	1	333.3	9	1
11AX160	5570	Type6	22	1	333.3	9	1
11AX160	5570	Type6	23	1	333.3	9	1
11AX160	5570	Type6	24	1	333.3	9	1
11AX160	5570	Type6	25	1	333.3	9	1
11AX160	5570	Type6	26	1	333.3	9	1
11AX160	5570	Type6	27	1	333.3	9	1
11AX160	5570	Type6	28	1	333.3	9	1
11AX160	5570	Type6	29	1	333.3	9	1

8.6. Channel Move Time and Channel Closing Transmission Time

Test Mode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX160	5250	200+53.3	200+60	903.5	10000	PASS
	5570	200+31.2	200+60	536.9	10000	PASS



11AX160_5250



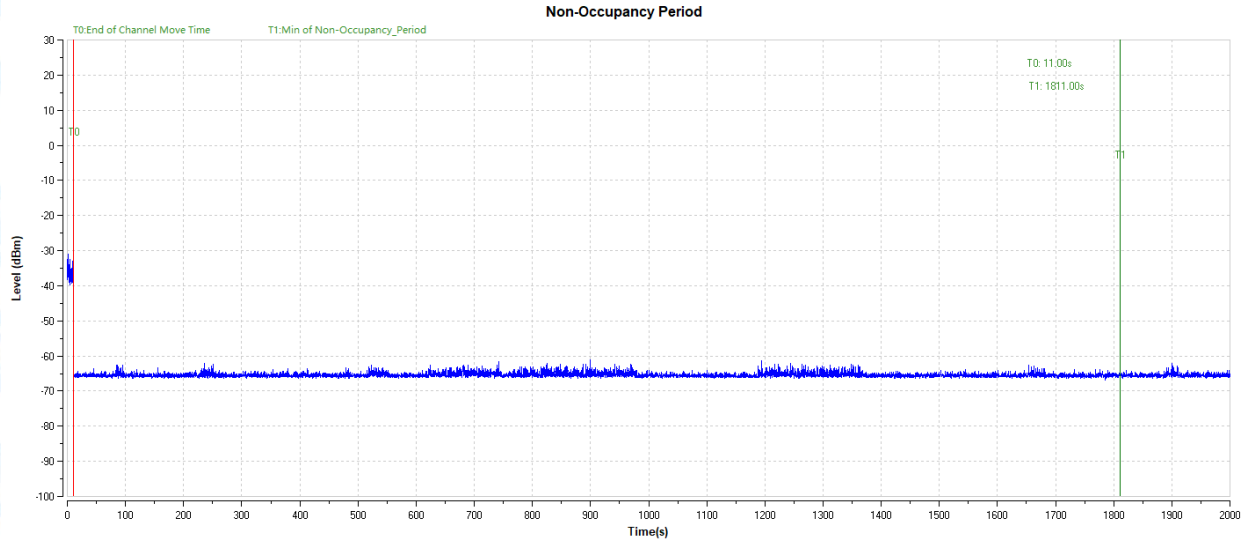
11AX160_5570

8.7. Non-occupancy Period

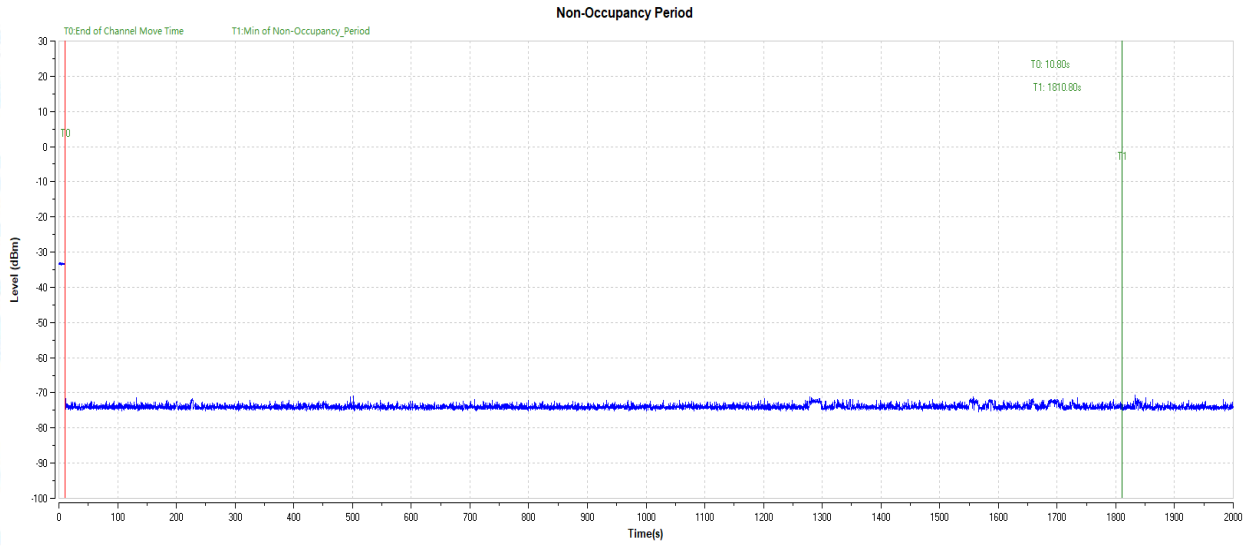
During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

Non-Occupancy Period Result				
Modulation Mode	**Freq. (MHz)**	**Non-Occupancy Period**		
		Measured	**Limit**	**Result**
AX160	5250	>30min	30min	Complied
	5570	>30min	30min	Complied

11ax 160MHz Mode 5250MHz



11ax 160MHz Mode 5570MHz



8.8. U-NII Detection Bandwidth

Test Result

Test Mode	Frequency [MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5260	5249	5272	23	16.972	135.52	≥100	PASS
11A	5500	5489	5510	21	16.404	128.02	≥100	PASS
11N40	5270	5251	5288	37	36.136	102.39	≥100	PASS
11N40	5510	5491	5529	38	36.672	103.62	≥100	PASS
11AC80	5290	5251	5329	78	77.824	100.56	≥100	PASS
11AC80	5530	5491	5569	78	77.568	100.56	≥100	PASS
11AX160	5250	5249	5329	80	78.45	101.98	≥100	PASS
11AX160	5570	5490	5649	159	157.824	100.75	≥100	PASS
Note 1: For 5250MHz. The 99% channel bandwidth fall within DFS bandwidth is 78.45MHz.								

Test Mode	Frequency [MHz]	Radar Freq.	Trial of Radar Type 0										Ratio (%)
			Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	
11A	5260	5260	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5250	1	1	1	1	1	1	1	1	1	1	100
		5249	1	1	1	1	1	1	1	1	1	1	100
		5248	0	0	0	0	0	0	0	0	0	0	0
		5265	1	1	1	1	1	1	1	1	1	1	100
		5270	1	1	1	1	1	1	1	1	1	1	100
		5271	1	1	1	1	1	1	1	1	1	1	100
		5272	1	1	1	1	1	1	1	1	1	1	100
		5273	0	0	0	0	0	0	0	0	0	0	0
11A	5500	5500	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5489	1	1	1	1	0	1	1	1	1	1	90
		5488	0	0	0	0	0	0	0	0	0	0	0
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		5511	0	0	0	0	0	0	0	0	0	0	0
11N40	5270	5270	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5260	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5254	1	1	1	1	1	1	1	1	1	1	100
		5253	1	1	1	1	1	1	1	1	1	1	100
		5252	1	1	1	1	1	1	1	1	1	1	100
		5251	1	1	1	1	1	1	1	1	1	1	100
		5250	0	0	0	0	0	0	0	0	0	0	0
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	100
		5286	1	1	1	1	1	1	1	1	1	1	100
		5287	1	1	1	1	1	1	1	1	1	1	100
		5288	1	1	1	1	1	1	1	1	1	1	100
		5289	0	0	0	0	0	0	0	0	0	0	0
11N40	5510	5510	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5494	1	1	1	1	1	1	1	1	1	1	100
		5493	1	1	1	1	1	1	1	1	1	1	100
		5492	1	1	1	1	1	1	1	1	1	1	100
		5491	1	1	1	1	1	1	1	1	1	1	100
		5490	0	0	0	0	0	0	0	0	0	0	0
		5515	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	100
		5526	1	1	1	1	1	1	1	1	1	1	100
		5527	1	1	1	1	1	1	1	1	1	1	100
		5528	1	1	1	1	1	1	1	1	1	1	100
		5529	1	1	1	1	1	1	1	1	1	1	100
		5530	0	0	0	0	0	0	0	0	0	0	0
11AC80	5290	5290	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100

		5270	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
		5260	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5254	1	1	1	1	1	1	1	1	1	1	100
		5253	1	1	1	1	1	1	1	1	1	1	100
		5252	1	1	1	1	1	1	1	1	1	1	100
		5251	1	1	1	1	1	1	1	1	1	1	100
		5250	0	0	0	0	0	0	0	0	0	0	0
		5295	1	1	1	1	1	1	1	1	1	1	100
		5300	1	1	1	1	1	1	1	1	1	1	100
		5305	1	1	1	1	1	1	1	1	1	1	100
		5310	1	1	1	1	1	1	1	1	1	1	100
		5315	1	1	1	1	1	1	1	1	1	1	100
		5320	1	1	1	1	1	1	1	1	1	1	100
		5325	1	1	1	1	1	1	1	1	1	1	100
		5326	1	1	1	1	1	1	1	1	1	1	100
		5327	1	1	1	1	1	1	1	1	1	1	100
		5328	1	1	1	1	1	1	1	1	1	1	100
		5239	1	1	1	1	1	1	1	1	1	1	100
		5330	0	0	0	0	0	0	0	0	0	0	0
		5530	1	1	1	1	1	1	1	1	1	1	100
		5525	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
		5515	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5494	1	1	1	1	1	1	1	1	1	1	100
		5493	1	1	1	1	1	1	1	1	1	1	100
		5492	1	1	1	1	1	1	1	1	1	1	100
		5491	1	1	1	1	1	1	1	1	1	1	100
11AC80	5530	5490	0	0	0	0	0	0	0	0	0	0	0
		5535	1	1	1	1	1	1	1	1	1	1	100
		5540	1	1	1	1	1	1	1	1	1	1	100
		5545	1	1	1	1	1	1	1	1	1	1	100
		5550	1	1	1	1	1	1	1	1	1	1	100
		5555	1	1	1	1	1	1	1	1	1	1	100
		5560	1	1	1	1	1	1	1	1	1	1	100
		5565	1	1	1	1	1	1	1	1	1	1	100
		5566	1	1	1	1	1	1	1	1	1	1	100
		5567	1	1	1	1	1	1	1	1	1	1	100
		5568	1	1	1	1	1	1	1	1	1	1	100
		5569	1	1	1	1	1	1	1	1	1	1	100
		5570	0	0	0	0	0	0	0	0	0	0	0
		5248	0	0	0	0	0	0	0	0	0	0	0
		5249	1	1	1	1	1	1	1	1	1	1	100
		5250	1	1	1	1	1	1	1	1	1	1	100
		5255	1	1	1	1	1	1	1	1	1	1	100
		5260	1	1	1	1	1	1	1	1	1	1	100
		5265	1	1	1	1	1	1	1	1	1	1	100
11AX160	5250	5270	1	1	1	1	1	1	1	1	1	1	100
		5275	1	1	1	1	1	1	1	1	1	1	100
		5280	1	1	1	1	1	1	1	1	1	1	100
		5285	1	1	1	1	1	1	1	1	1	1	100
		5290	1	1	1	1	1	1	1	1	1	1	100
		5295	1	1	1	1	1	1	1	1	1	1	100
		5300	1	1	1	1	1	1	1	1	1	1	100

		5305	1	1	1	1	1	1	1	1	1	1	100
		5310	1	1	1	1	1	1	1	1	1	1	100
		5315	1	1	1	1	1	1	1	1	1	1	100
		5320	1	1	1	1	1	1	1	1	1	1	100
		5325	1	1	1	1	1	1	1	1	1	1	100
		5326	1	1	1	1	1	1	1	1	1	1	100
		5327	1	1	1	1	1	1	1	1	1	1	100
		5328	1	1	1	1	1	1	1	1	1	1	100
		5329	1	1	1	1	1	1	1	1	1	1	100
		5330	0	0	0	0	0	0	0	0	0	0	0
11AX160	5570	5570	1	1	1	1	1	1	1	1	1	1	100
		5565	1	1	1	1	1	1	1	1	1	1	100
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		5545	1	1	1	1	1	1	1	1	1	1	100
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		5525	1	1	1	1	1	1	1	1	1	1	100
		5520	1	1	1	1	1	1	1	1	1	1	100
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		5510	1	1	1	1	1	1	1	1	1	1	100
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		5500	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5489	0	0	0	0	0	0	0	0	0	0	0
		5575	0	1	1	1	1	1	1	1	1	1	90
		5580	1	1	1	1	1	1	1	1	1	1	100
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		5600	1	1	1	1	1	1	1	1	1	1	100
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		5610	1	1	1	1	1	1	1	1	1	1	100
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		5647	1	1	1	1	1	1	1	1	1	1	100
		5648	1	1	1	1	1	1	1	1	1	1	100
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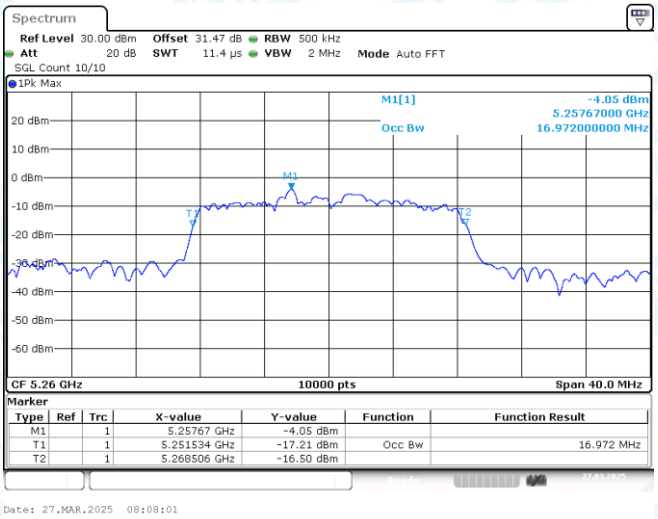
Test Graphs



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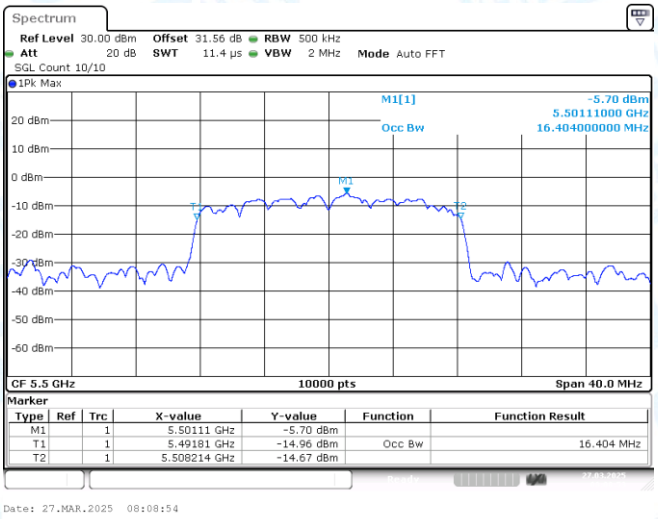

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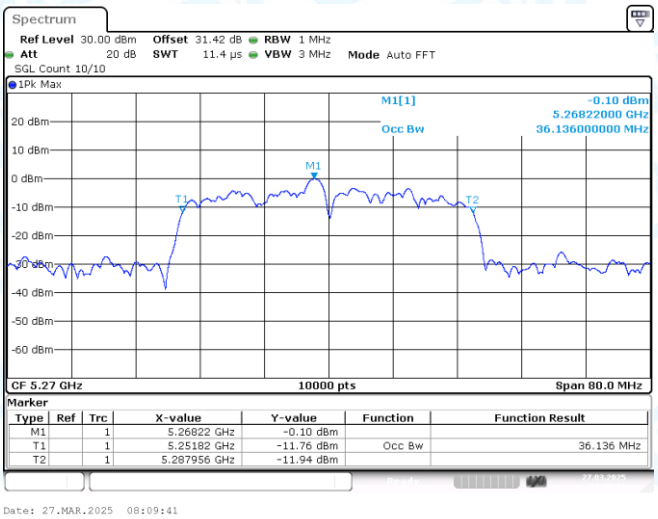

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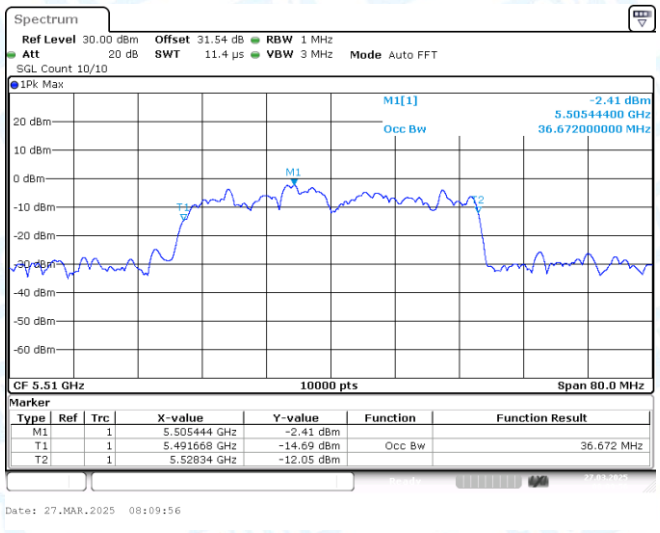

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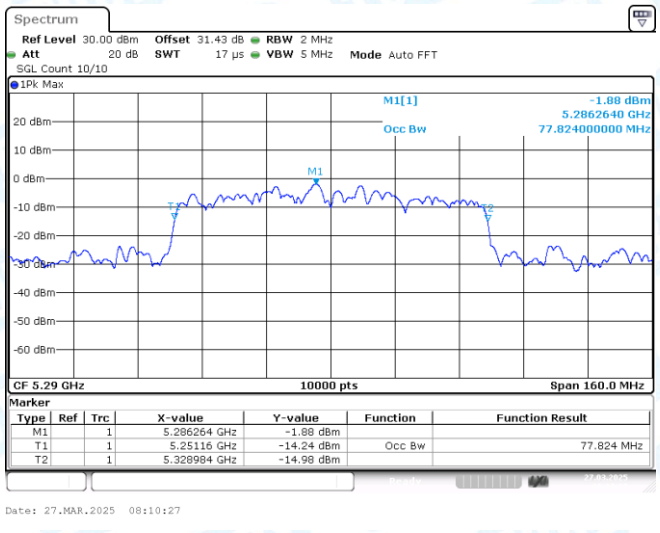

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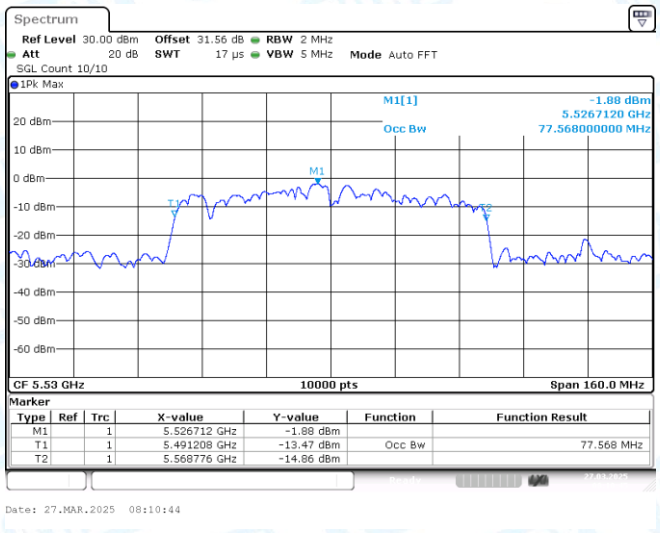

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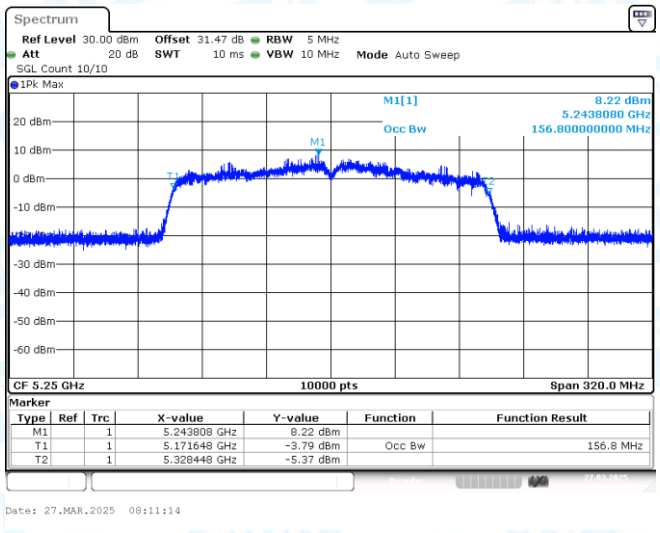

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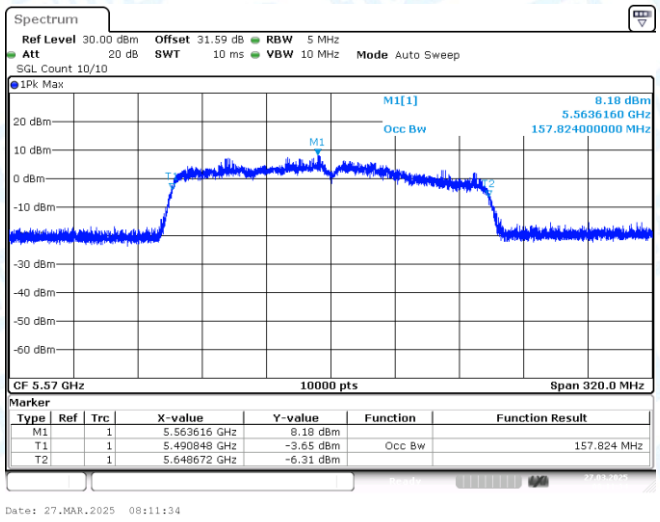

11AX160-5570-PASS

----END OF THE REPORT------