

TEST REPORT

Applicant: KAON BROADBAND Co., Ltd
Address of Applicant: 884-3, Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea
Manufacturer: KAON BROADBAND Co., Ltd
Address of Manufacturer: 884-3, Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea
Factory: Bowei Technology Co., Ltd
Address of Factory: 2F, Building 2, No. 306 Gushui Road, Haining Economic Development Zone, Haining, Jiaxing City, Zhejiang, 314499, China

Equipment Under Test (EUT)

Product Name: GPON ONT
Model No.: PG2142
Trade Mark: 
FCC ID: 2AXCW-PG2142
Applicable standards: 47 CFR Part 15.407
Date of sample receipt: May 07, 2025
Date of Test: May 07, 2025-July 16, 2025
Date of report issued: July 16, 2025
Test Result : PASS *

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

Authorized Signature:

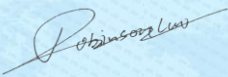
Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	July 16, 2025	Original

Prepared By:

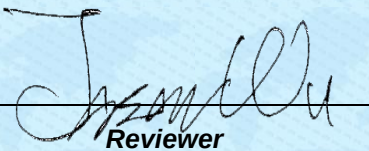


Date:

July 16, 2025

Project Engineer

Check By:



Reviewer

Date:

July 16, 2025

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4 Test Summary

Number	Test Case	Clause in FCC rules	Verdict
1	DFS Detection Threshold	15.407/KDB 9054625.2	Pass
2	U-NII Detection Bandwidth	15.407/KDB 9054627.8.1	Pass
3	Channel Availability Check Time	15.407/KDB 9054627.8.2	Pass
4	Channel Move Time	15.407/KDB 9054627.8.3	Pass
5	Channel Closing Transmission Time	15.407/KDB 9054627.8.3	Pass
6	Non-Occupancy Period (NOP)	15.407/KDB 9054627.8.3	Pass
7	Statistical Performance Check	15.407/KDB 9054627.8.4	Pass

5 General Information

5.1 General Description of EUT

Product Name:	GPON ONT
Model No.:	PG2142
Test Model No:	PG2142
Remark: There are no series models.	
Test sample(s) ID:	GTSL2025050367-2
Sample(s) Status	Engineer sample
S/N:	KAON14xxyyzz
Modulation Type:	802.11a/n/ac/ax : OFDM
Operating Frequency:	U-NII-2A:5250~5350MHz U-NII-2C:5470~5725MHz
TPC Support	NO
Operation Mode:	Master
Sample Type:	☒ Mobile ☐ Portable ☐ Fix Location
Antenna Type:	PCB Antenna
Antenna Gain:	3.3dBi
Power supply:	12V  1.5A

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

5.2 Carrier Frequency and Channel

U-NII-1

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	44	5220 MHz
38	5190 MHz	46	5230 MHz
40	5200 MHz	48	5240 MHz
42	5210 MHz		

U-NII-2A

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
52	5260 MHz	60	5300 MHz
54	5270 MHz	62	5310 MHz
56	5280 MHz	64	5320 MHz
58	5290 MHz		

U-NII-2C

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	112	5560 MHz
102	5510 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
106	5530 MHz	134	5670 MHz
108	5540 MHz	136	5680 MHz
110	5550 MHz	140	5700 MHz

U-NII-3

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
149	5745 MHz	159	5795 MHz
151	5755 MHz	161	5805 MHz
153	5765 MHz	163	5815 MHz
155	5775 MHz	165	5825 MHz
157	5785 MHz		

5.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen 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 files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.4 Test Location

All other tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.5 Description of Support Units

None.

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Additional Instructions

Software (Used for test) from client

Secure CRT Version 6.2.3), power set default.

6 Test Instruments list

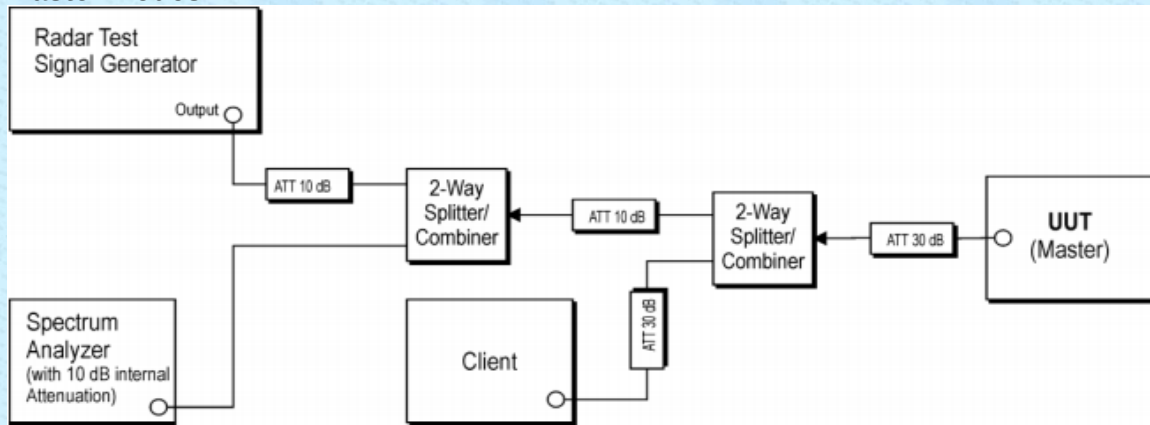
RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	Apr. 11, 2025	Apr. 10, 2026
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 12, 2025	Apr. 11, 2026
3	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 11, 2025	Apr. 10, 2026
4	Wideband Power Meter	Keysight	N1924A	GTS673	Apr. 11, 2025	Apr. 10, 2026
5	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 11, 2025	Apr. 10, 2026
6	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 11, 2025	Apr. 10, 2026
7	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 11, 2025	Apr. 10, 2026
8	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 15, 2025	Apr. 14, 2026
9	UXA Signal Analyzer	keysight	N9040B-550	GTS901	Jul. 30, 2024	Jul. 29, 2025
10	MXG Vector Signal Generator	keysight	N5182B	GTS902	Jul. 30, 2024	Jul. 29, 2025
11	RF Contorl Unit	Tonscend	JS0806-2	GTS903	Aug. 19, 2024	Aug. 18, 2025

General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Aug. 17, 2024	Aug. 16, 2025

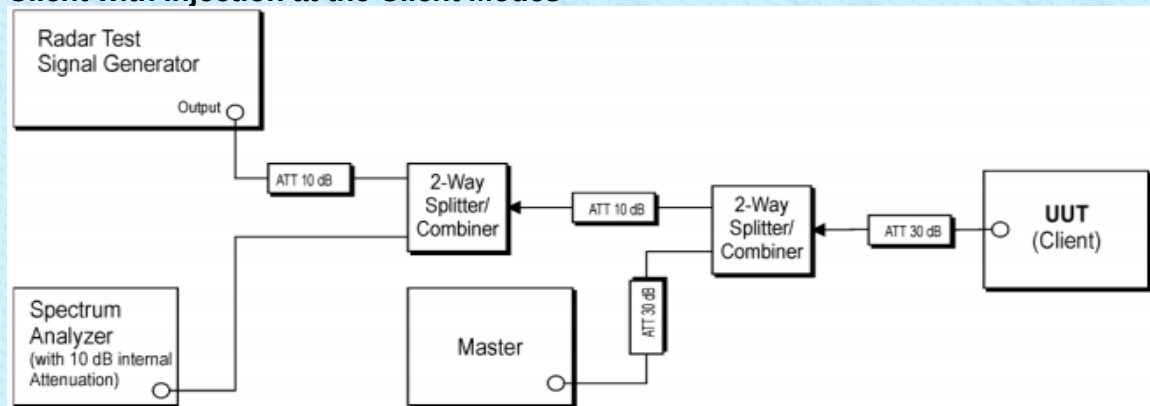
7 Test Configuration of Equipment Under Test

7.1 Test Setup

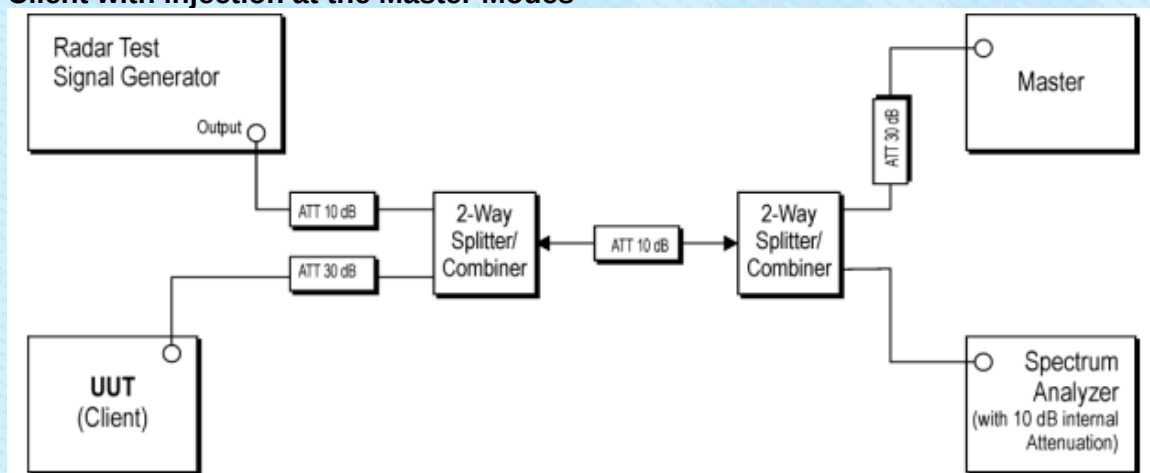
Master Modes



Client with injection at the Client Modes



Client with injection at the Master Modes



7.2 DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain.	

8 Requirements and Parameters for DFS Test

8.1 Applicability of DFS Requirements

EUT is client and operates as client without radar detection function.

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
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
Client Beacon Test	N/A	Yes	Yes

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

Note

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

8.2 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 99% power bandwidth See Note 3.

Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:

- For the Short pulse radar Test Signals this instant is the end of the Burst.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
- For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission.

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 Channel changes (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 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

8.3 Short Pulse Radar Test Waveforms

As the EUT is a Client Device with no Radar Detection, only one type radar pulse is required for the testing. Radar Pulse type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time.

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	60%	30
1	1	Test A Test B	Roundup $\left\{ \begin{array}{l} \left(\frac{1}{360} \right) \cdot \\ \left(\frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \end{array} \right\}$	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.					

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 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the short pulse radar types 2 through 4. For short pulse radar type 1, the same waveform is used a minimum of 30 times. 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.

The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

8.4 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.

8.5 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.

9 DFS Test Results

9.1 In-Service Monitoring: Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

9.1.1 Limit of In-Service Monitoring

The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of 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 Channel changes (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.

Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel. The non-associated Client Beacon Test is during the 30 minutes observation time. The EUT should not make any transmissions in the DFS band after EUT power up.

9.1.2 Test Procedures

1. The radar pulse generator is setup to provide a pulse at frequency that the Master and Client are operating. A type 0 radar pulse with a 1us pulse width and a 1428 us PRI is used for the testing.
2. The vector signal generator is adjusted to provide the radar burst (18 pulses) at a level of approximately -62dBm at the antenna of the Master device.
3. A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
4. A U-NII device operating as a Client Device will associate with the Master at Channel. The MPEG file "TestFile.mpg" specified by the FCC is streamed from the "file computer" through the Master to the Client Device and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
5. When a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. At time T0 the Radar Waveform generator sends a Burst of pulse of the radar waveform at Detection Threshold + 1dB.
6. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). One 12 seconds plot is reported for the Short Pulse Radar Types 1. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7. Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: **Dwell (0.4ms)= S (12000ms) / B (30000)**; where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: **C (ms)= N X Dwell (0.4 ms)**; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measure the EUT for more than 30 minutes following the channel move time to verify that no transmissions or beacons occur on this Channel.

9.1.3 Result of Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test

Measurement Data: The detailed test data see Appendix

9.1.4 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period for Client Beacon Test Plots

Measurement Data: The detailed test data see Appendix

10 Test Setup Photo

Reference to the **appendix I** for details.

11 EUT Constructional Details

Reference to the **appendix II** for details.

12 Appendix

12.1 Appendix A: DFS Detection Thresholds

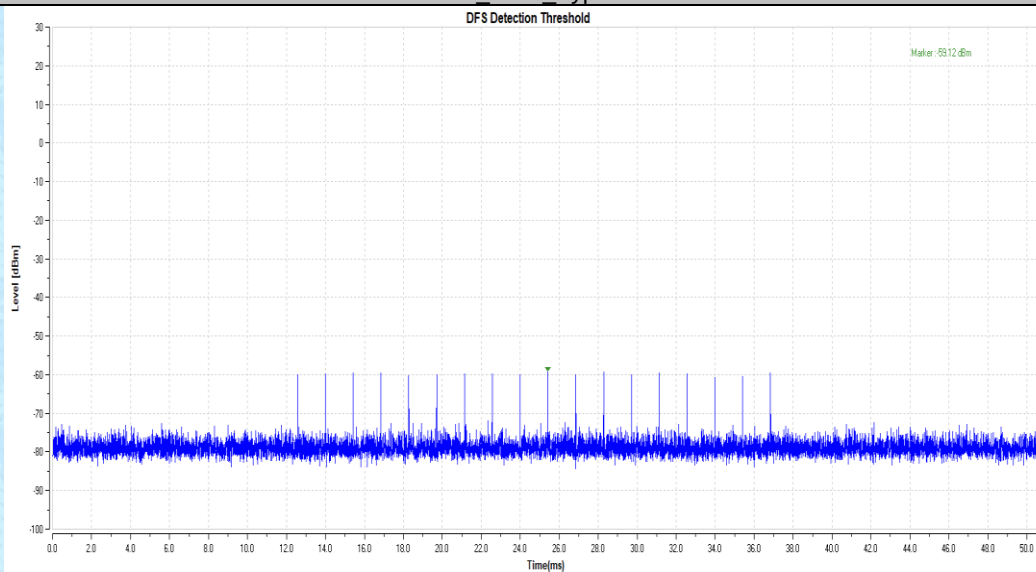
Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5260	Type0	-59.12	-58.67	PASS
		Type1	-58.86	-58.67	PASS
		Type2	-59.00	-58.67	PASS
		Type3	-58.73	-58.67	PASS
		Type4	-58.70	-58.67	PASS
		Type5	-58.85	-58.67	PASS
		Type6	-63.09	-58.67	PASS
	5500	Type0	-58.84	-58.67	PASS
		Type1	-58.86	-58.67	PASS
		Type2	-58.84	-58.67	PASS
		Type3	-58.78	-58.67	PASS
		Type4	-58.75	-58.67	PASS
		Type5	-59.07	-58.67	PASS
		Type6	-59.04	-58.67	PASS
11N40	5270	Type0	-58.97	-58.67	PASS
		Type1	-59.15	-58.67	PASS
		Type2	-58.73	-58.67	PASS
		Type3	-58.78	-58.67	PASS
		Type4	-58.75	-58.67	PASS
		Type5	-59.00	-58.67	PASS
		Type6	-58.89	-58.67	PASS
	5510	Type0	-58.74	-58.67	PASS
		Type1	-58.85	-58.67	PASS
		Type2	-59.10	-58.67	PASS
		Type3	-58.72	-58.67	PASS
		Type4	-58.89	-58.67	PASS
		Type5	-59.03	-58.67	PASS
		Type6	-58.92	-58.67	PASS
11AC80	5290	Type0	-58.98	-58.67	PASS
		Type1	-59.00	-58.67	PASS

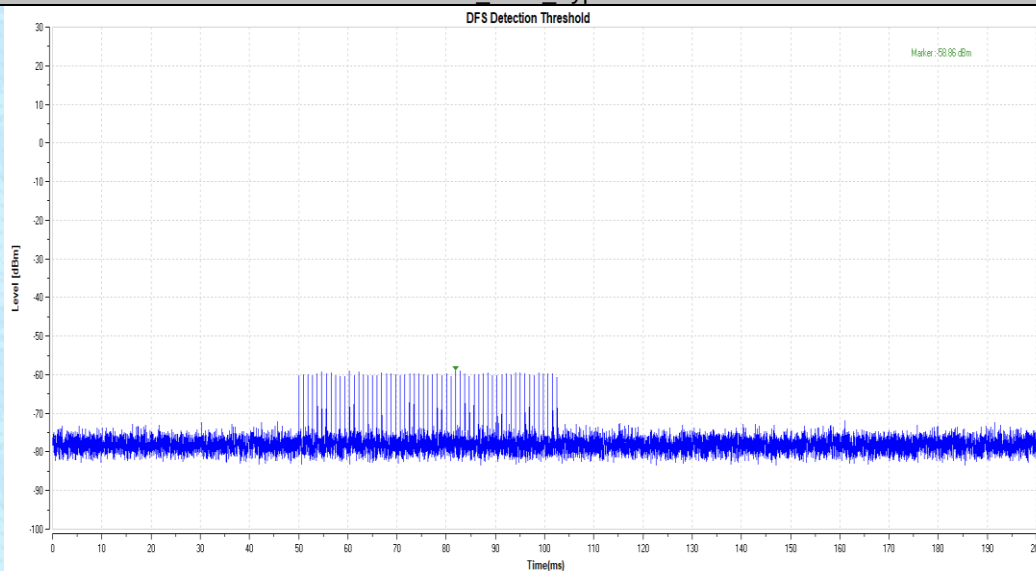
		Type2	-58.91	-58.67	PASS
		Type3	-59.12	-58.67	PASS
		Type4	-58.88	-58.67	PASS
		Type5	-59.17	-58.67	PASS
		Type6	-58.70	-58.67	PASS
	5530	Type0	-58.92	-58.67	PASS
		Type1	-58.81	-58.67	PASS
		Type2	-58.96	-58.67	PASS
		Type3	-58.86	-58.67	PASS
		Type4	-58.80	-58.67	PASS
		Type5	-59.05	-58.67	PASS
		Type6	-59.16	-58.67	PASS
11AC160	5250	Type0	-58.70	-58.67	PASS
		Type1	-59.14	-58.67	PASS
		Type2	-59.09	-58.67	PASS
		Type3	-58.75	-58.67	PASS
		Type4	-59.05	-58.67	PASS
		Type5	-59.04	-58.67	PASS
		Type6	-59.08	-58.67	PASS
	5570	Type0	-59.12	-58.67	PASS
		Type1	-58.85	-58.67	PASS
		Type2	-58.80	-58.67	PASS
		Type3	-58.72	-58.67	PASS
		Type4	-58.93	-58.67	PASS
		Type5	-58.78	-58.67	PASS
		Type6	-60.59	-58.67	PASS

Test Graphs

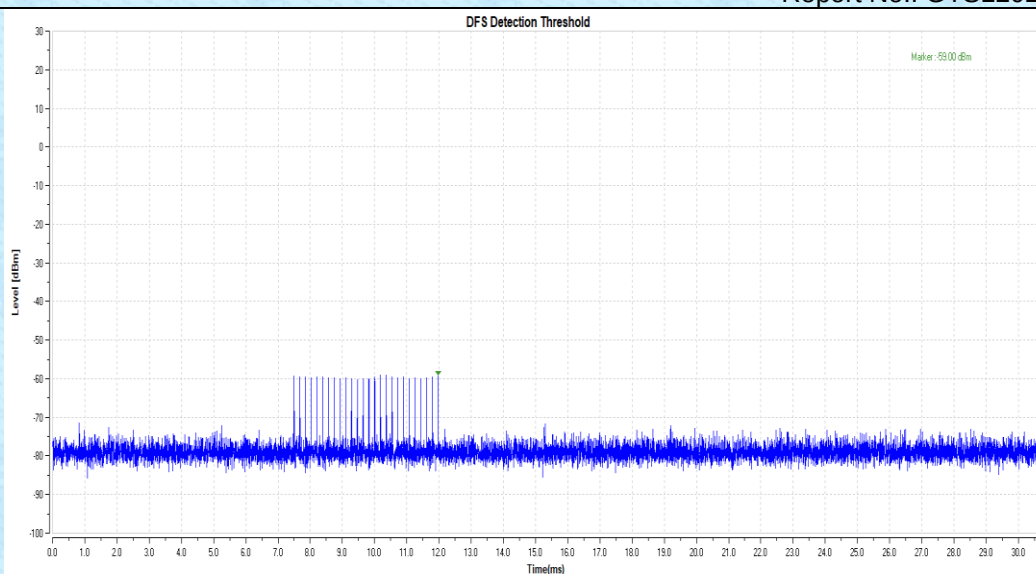
11A_5260_Type0



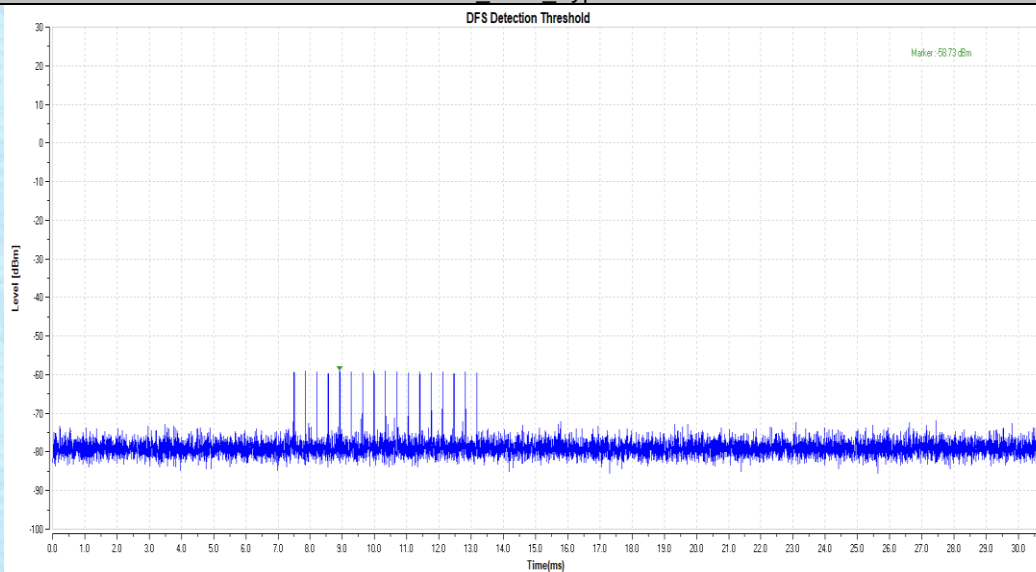
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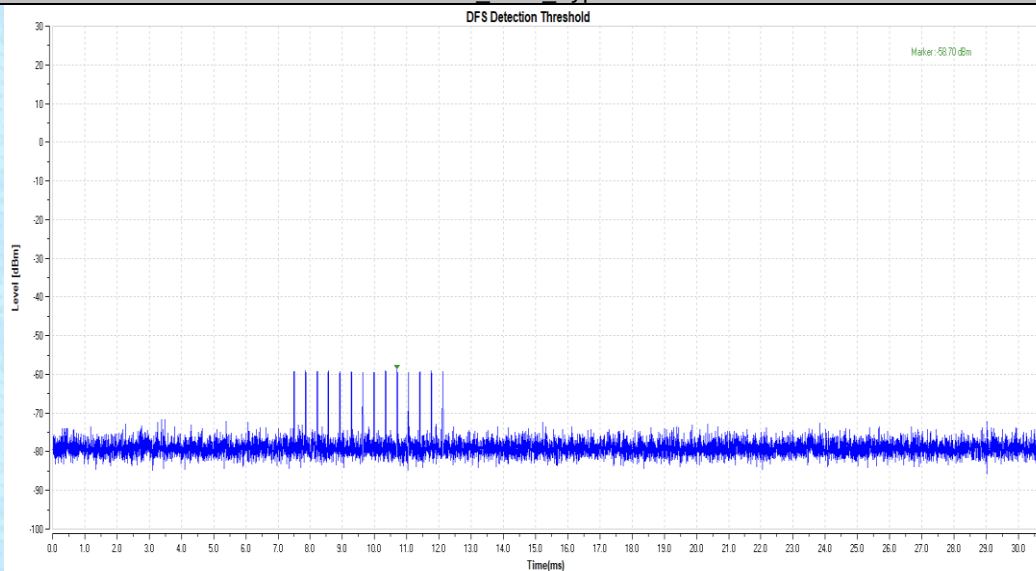
11A_5260_Type2



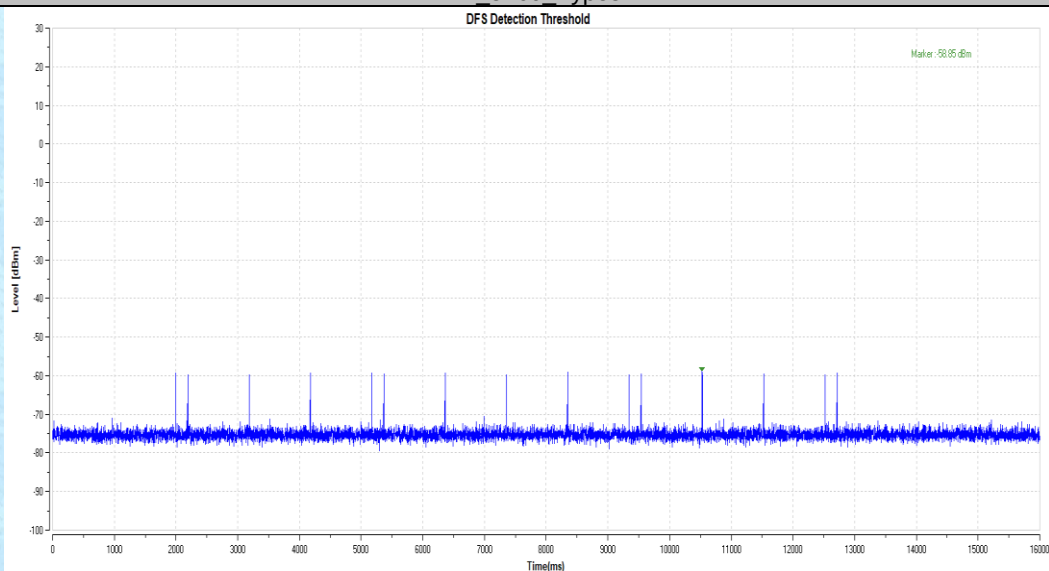
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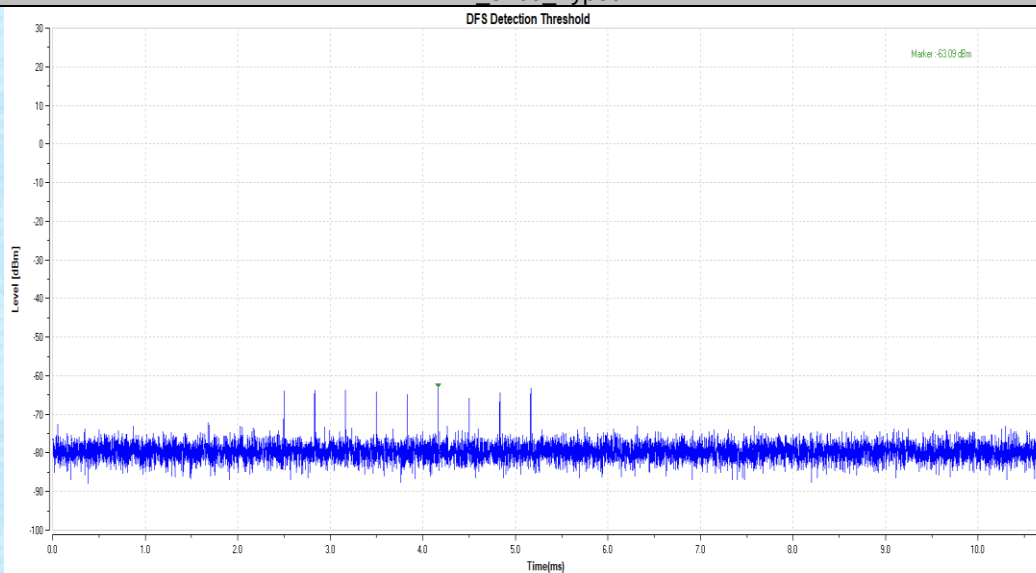
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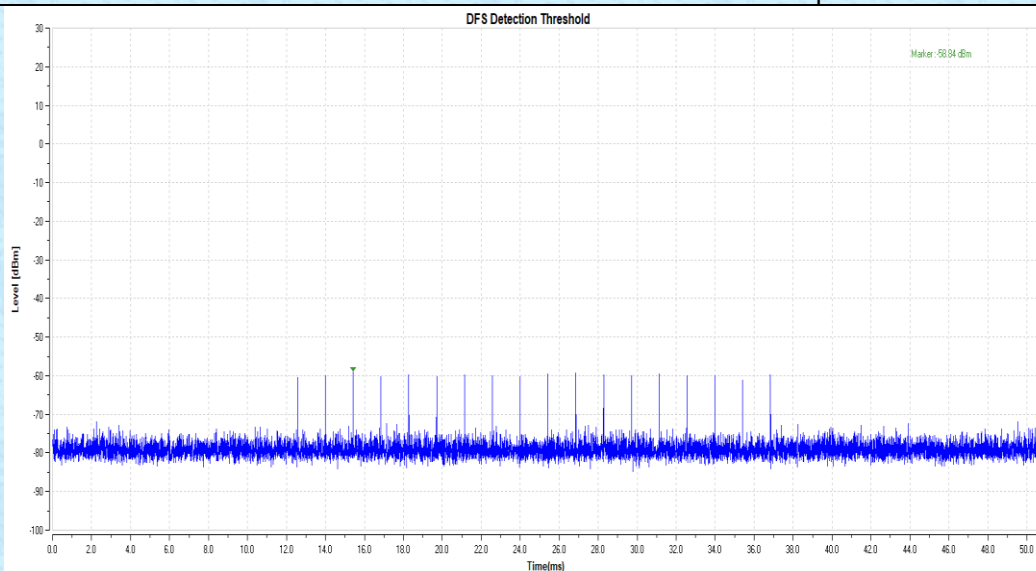
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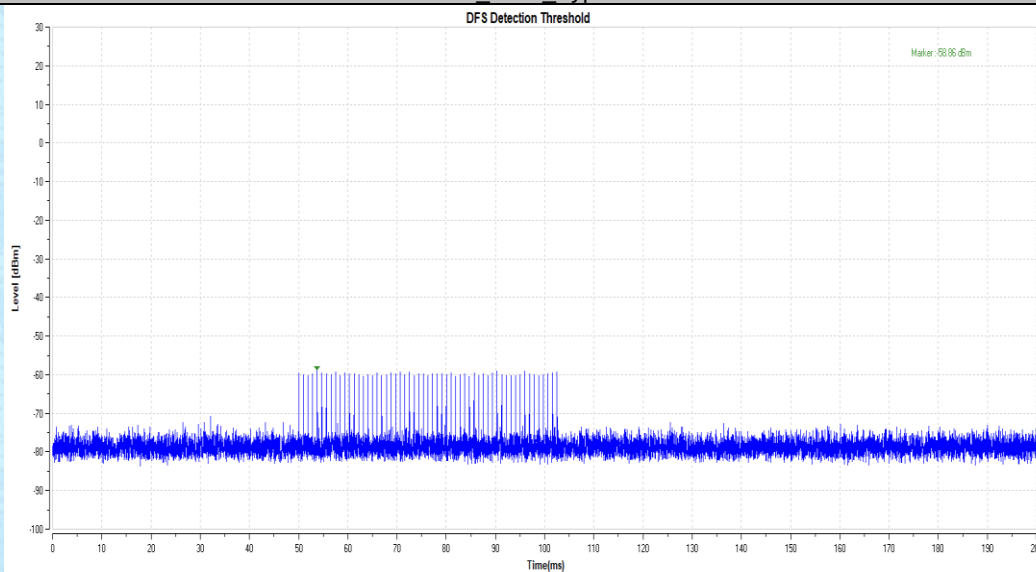
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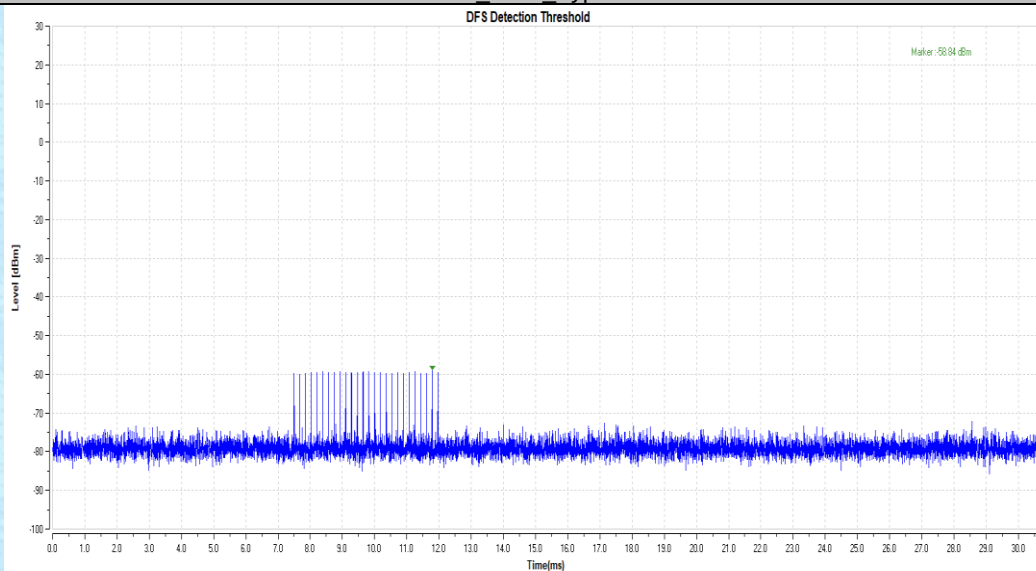
11A_5500_Type0



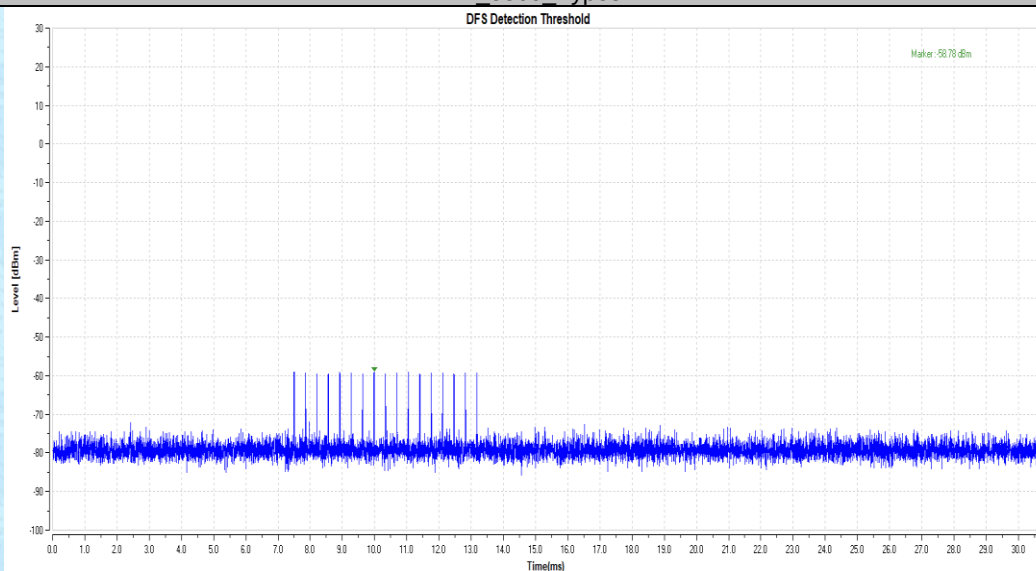
11A_5500_Type1



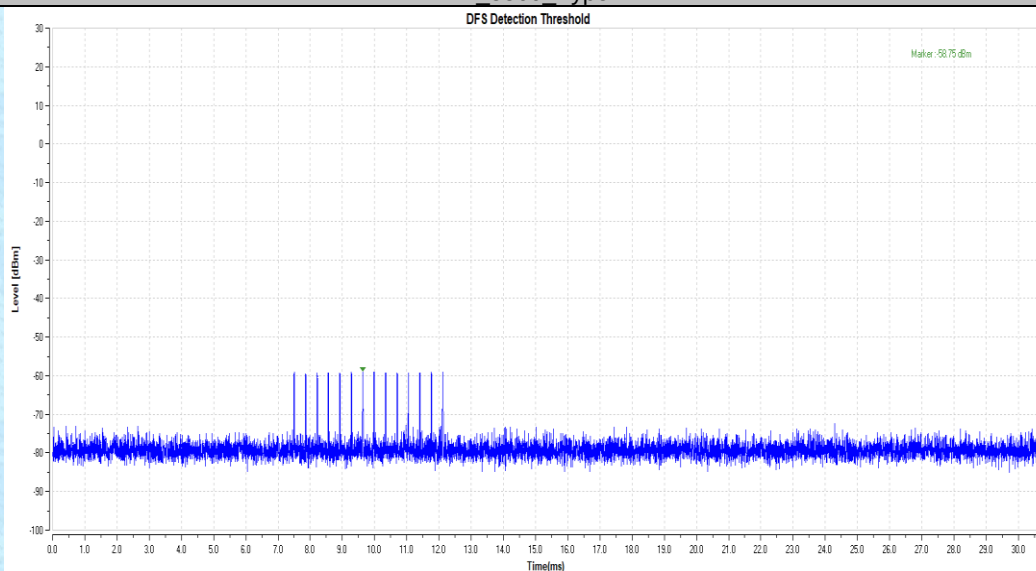
11A_5500_Type2



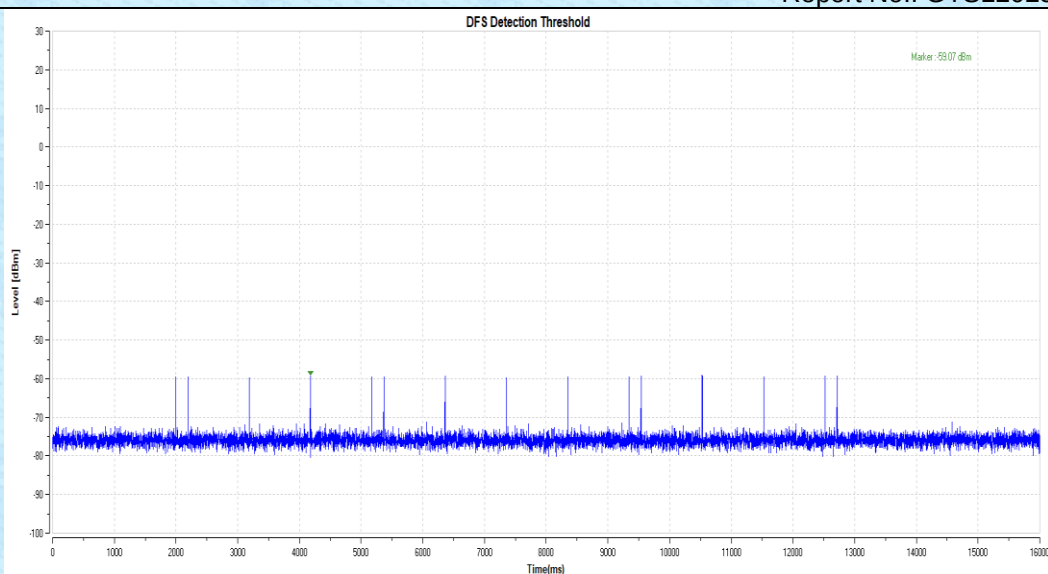
11A_5500_Type3



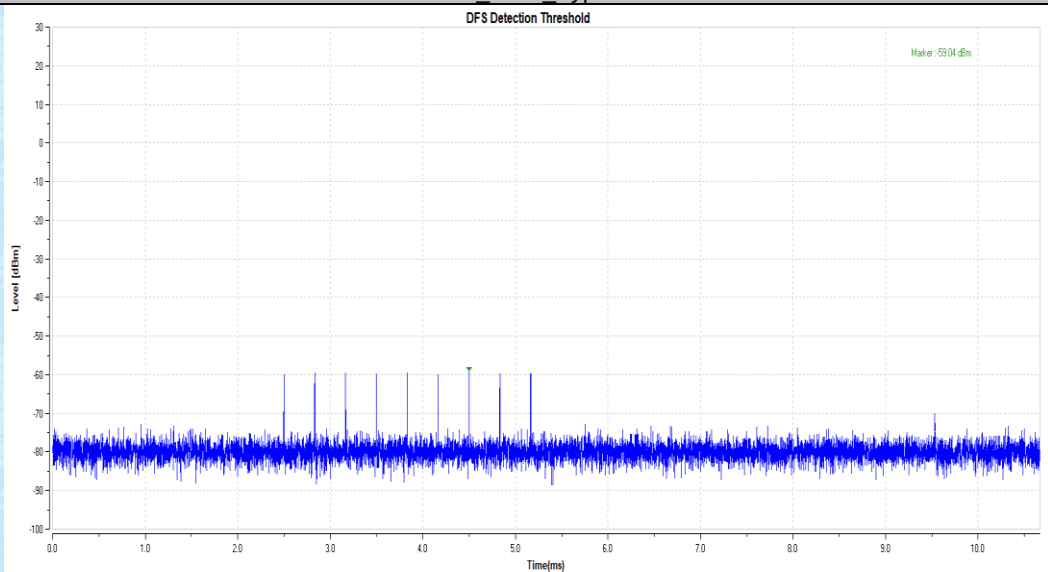
11A_5500_Type4



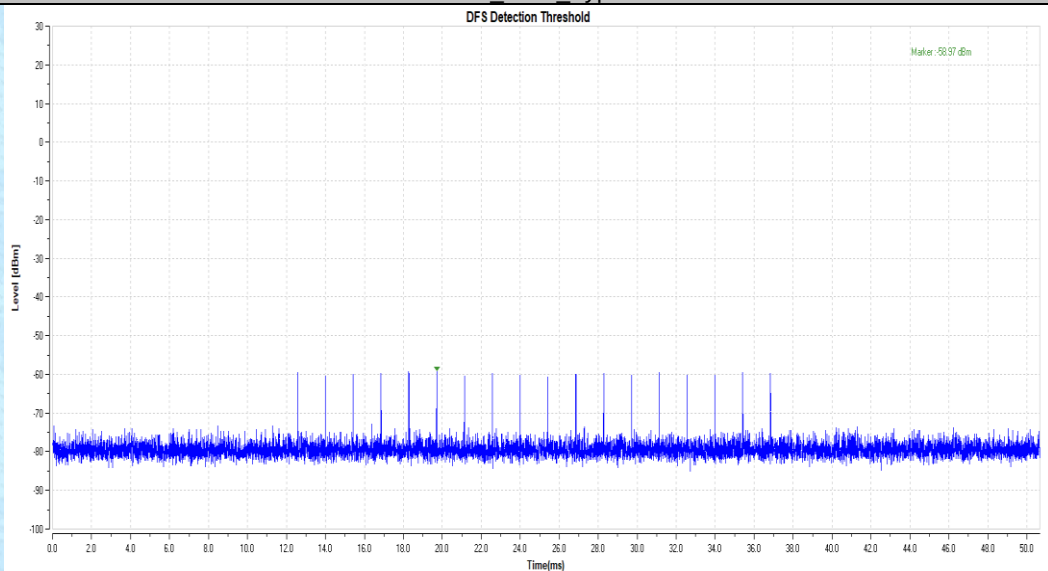
11A_5500_Type5



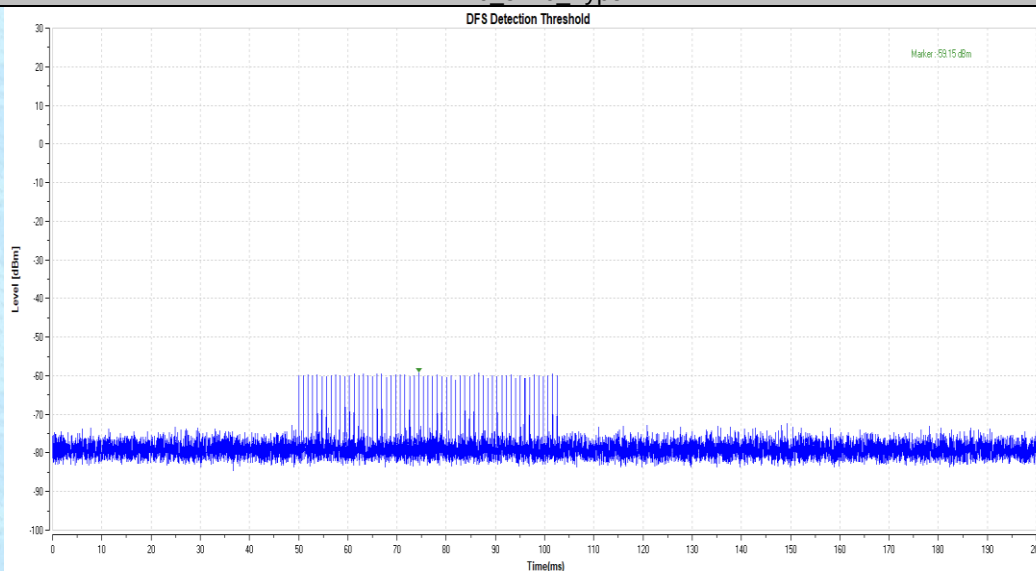
11A_5500_Type6



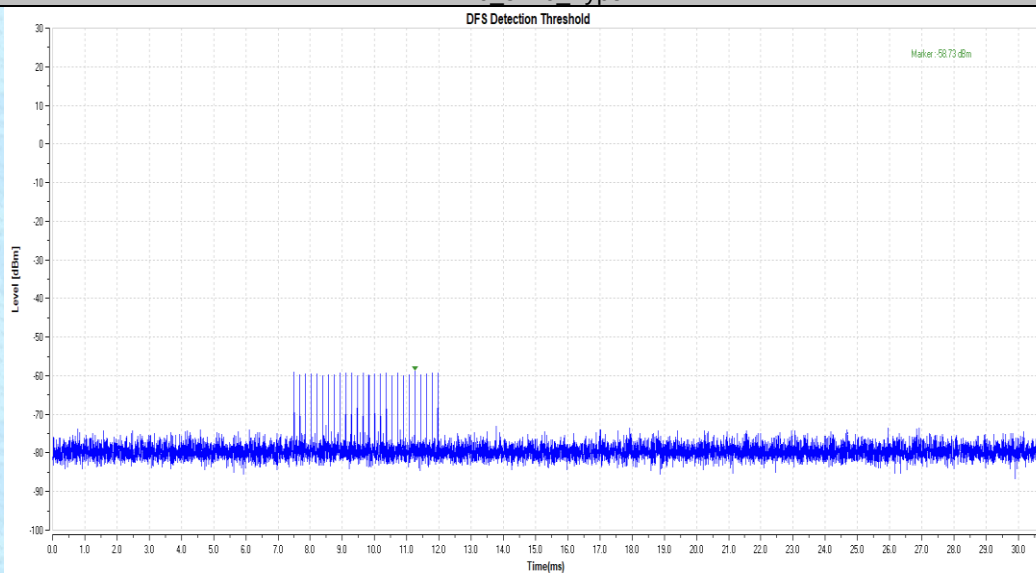
11N40_5270_Type0



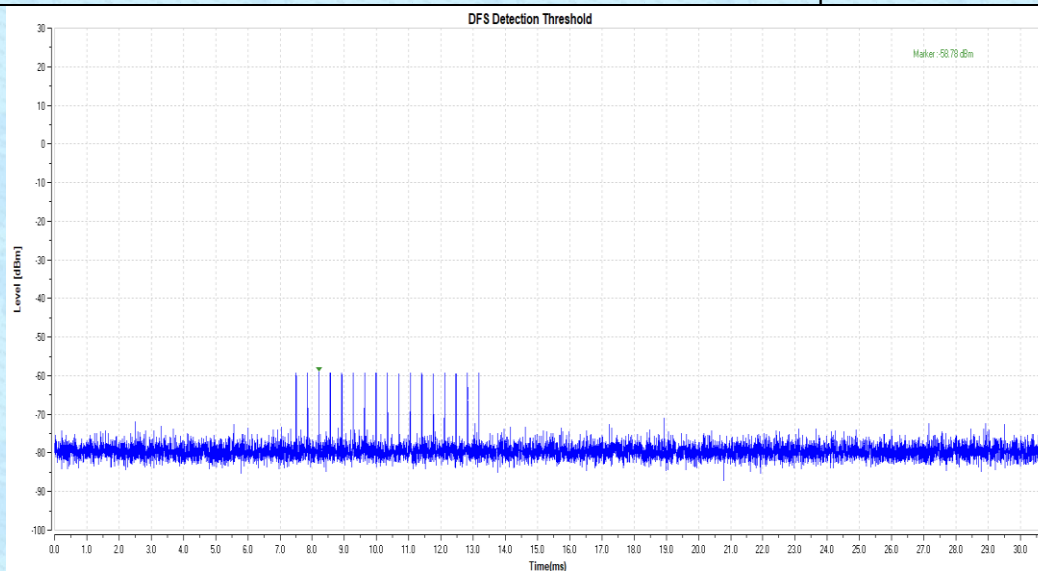
11N40_5270_Type1



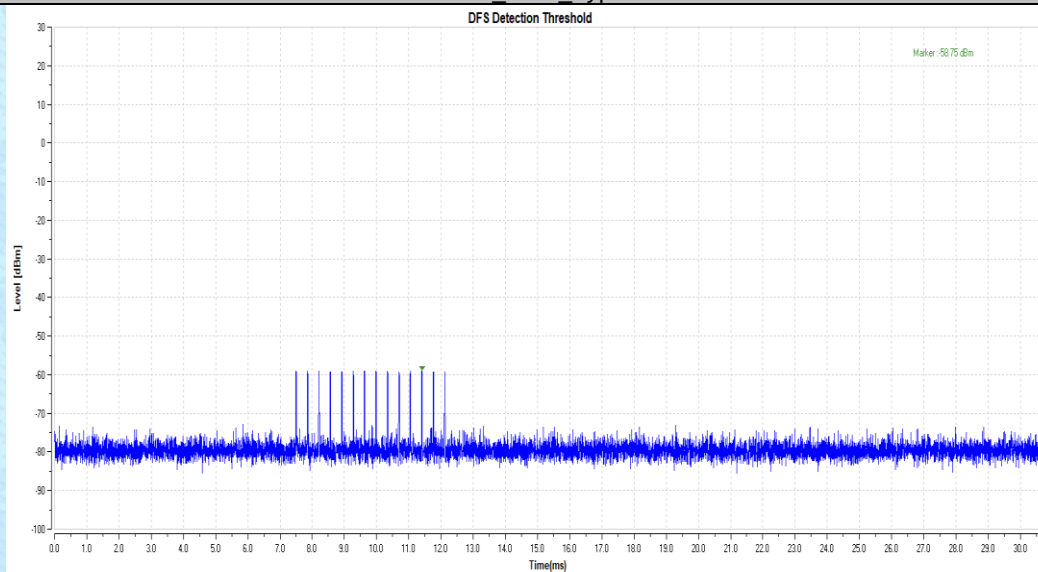
11N40_5270_Type2



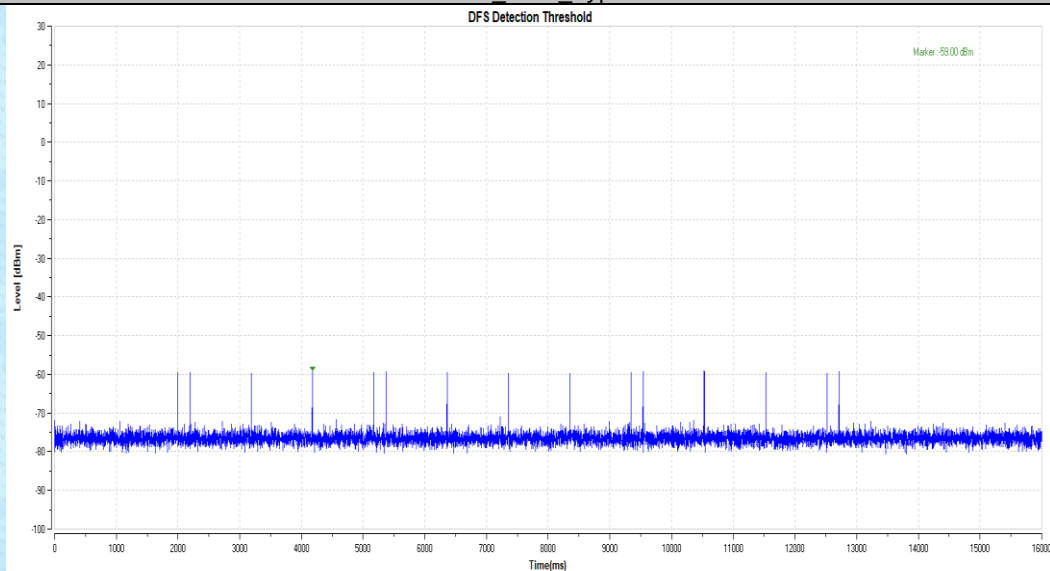
11N40_5270_Type3

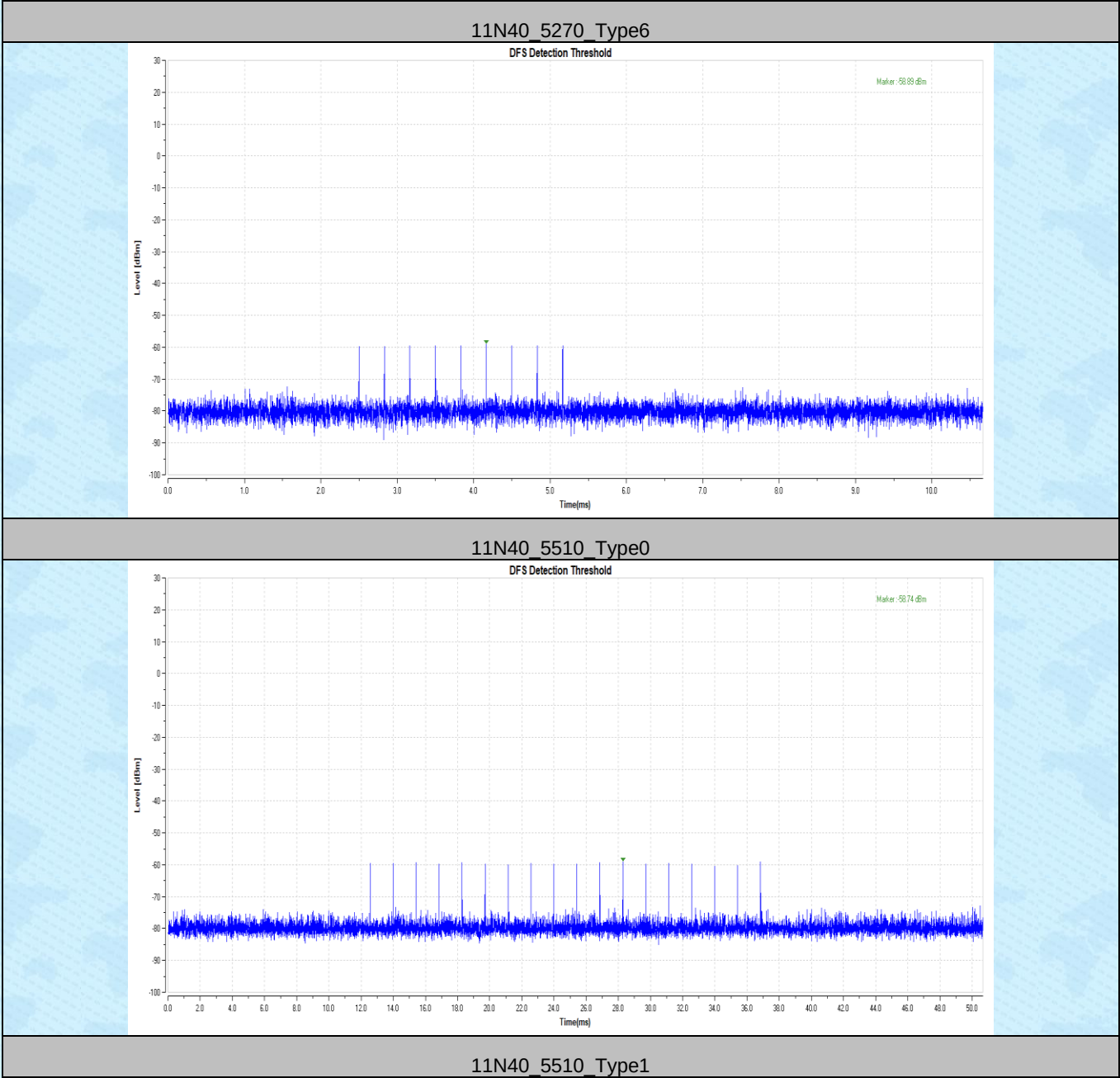


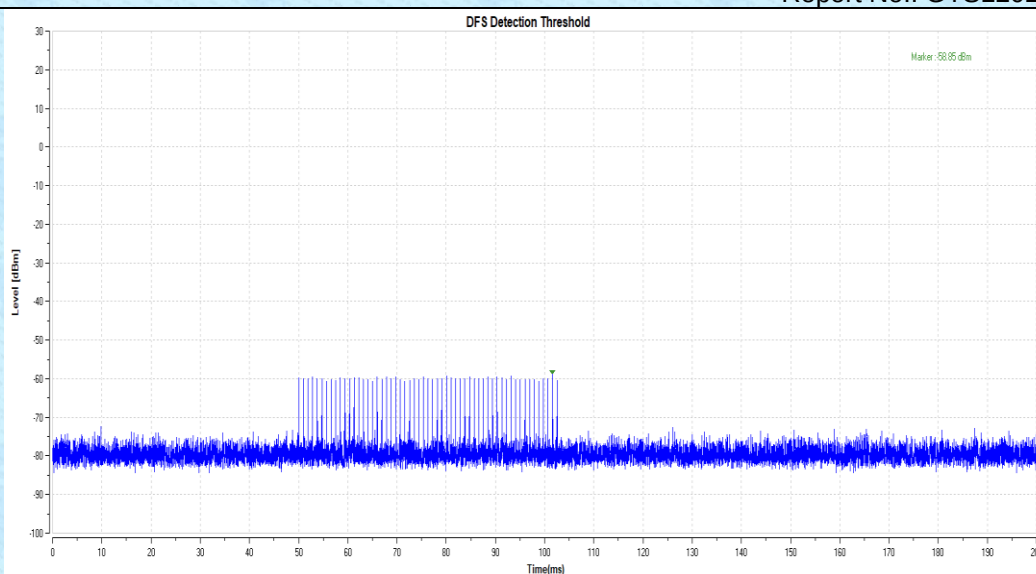
11N40_5270_Type4



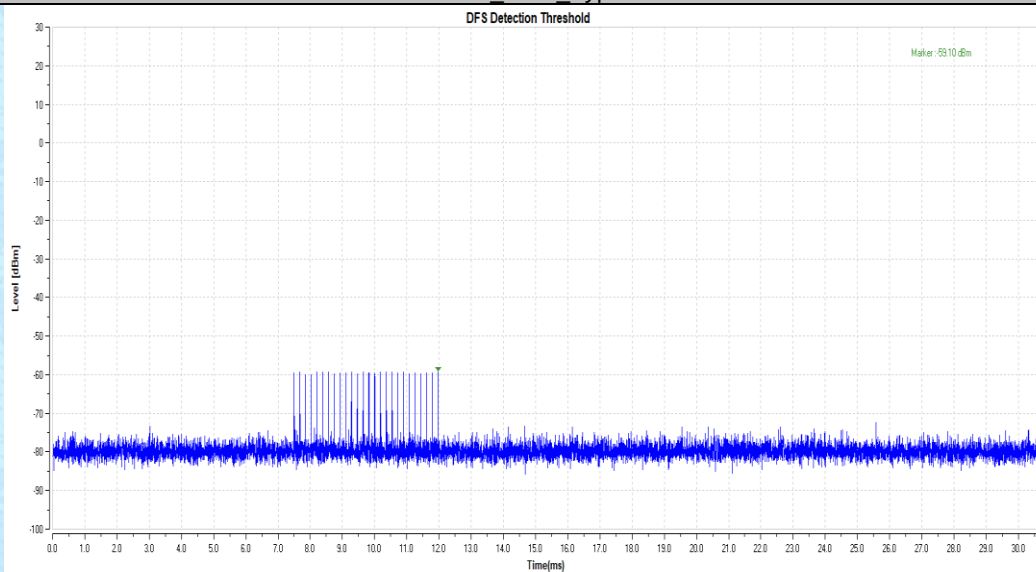
11N40_5270_Type5



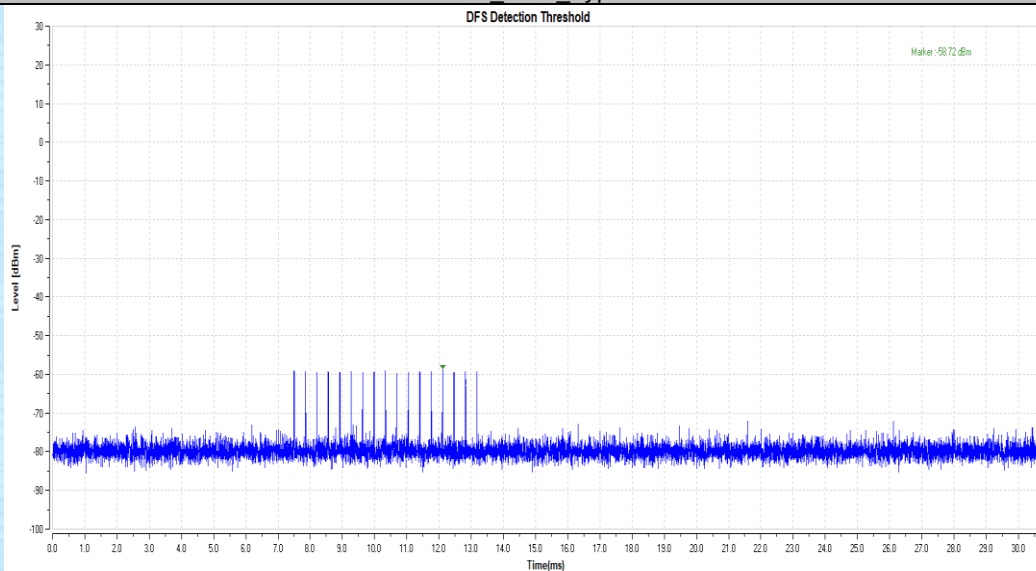




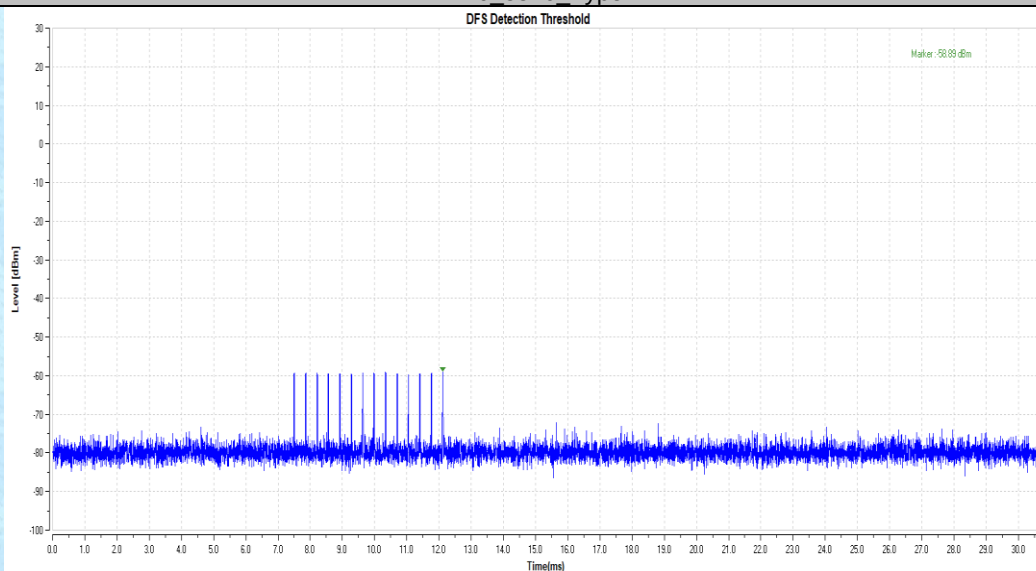
11N40_5510_Type2



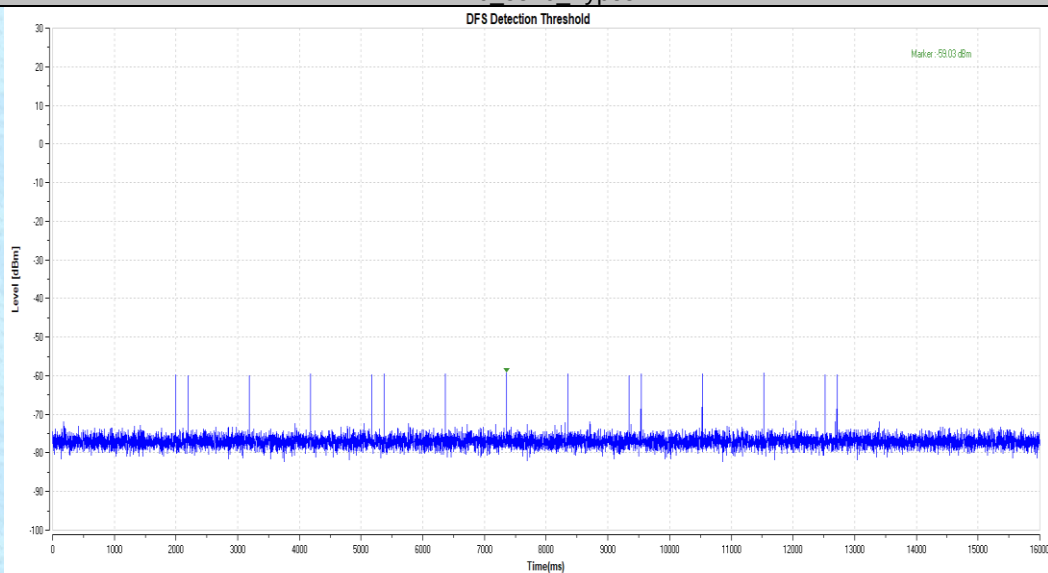
11N40_5510_Type3



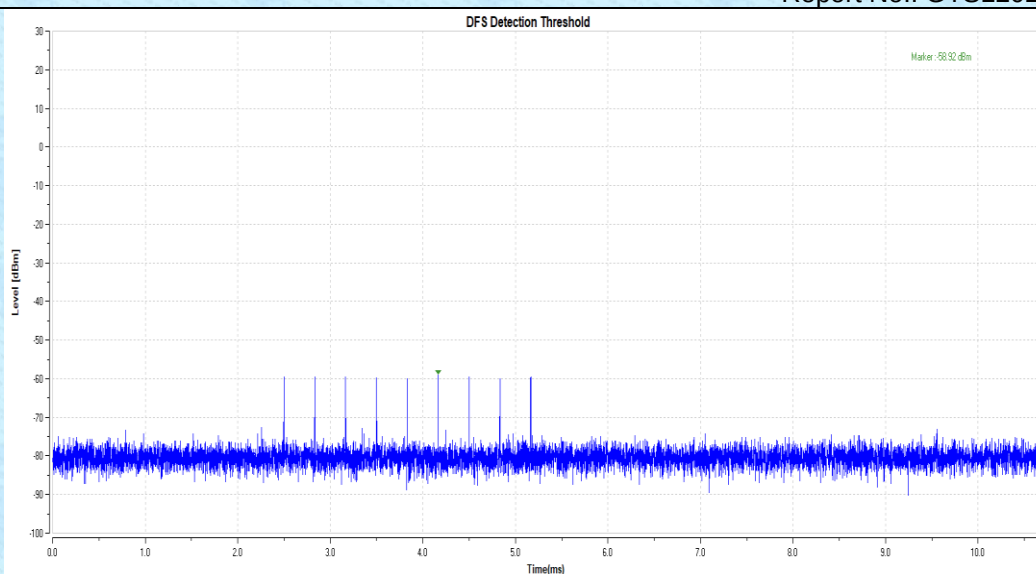
11N40_5510_Type4



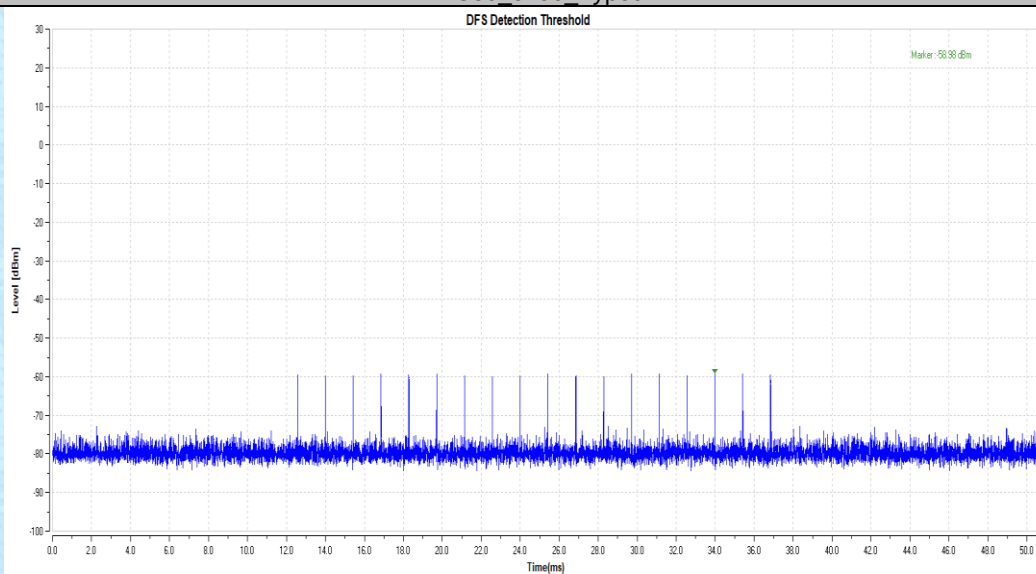
11N40_5510_Type5



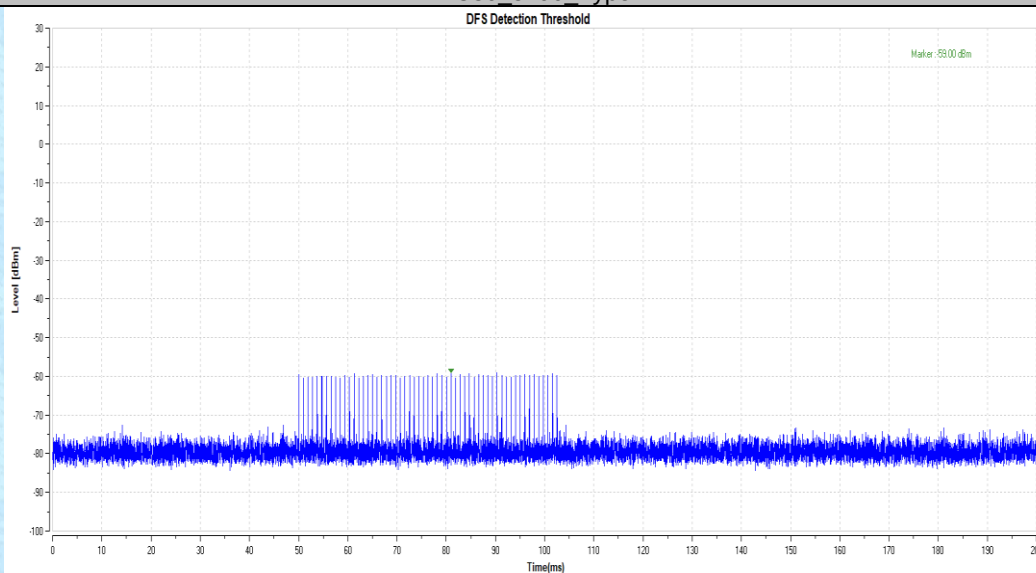
11N40_5510_Type6



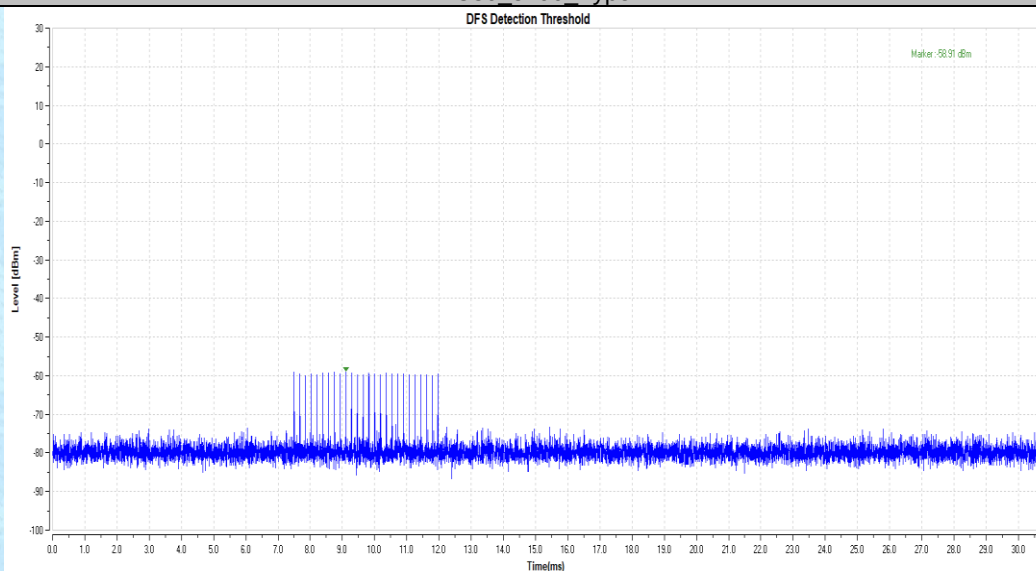
11AC80_5290_Type0



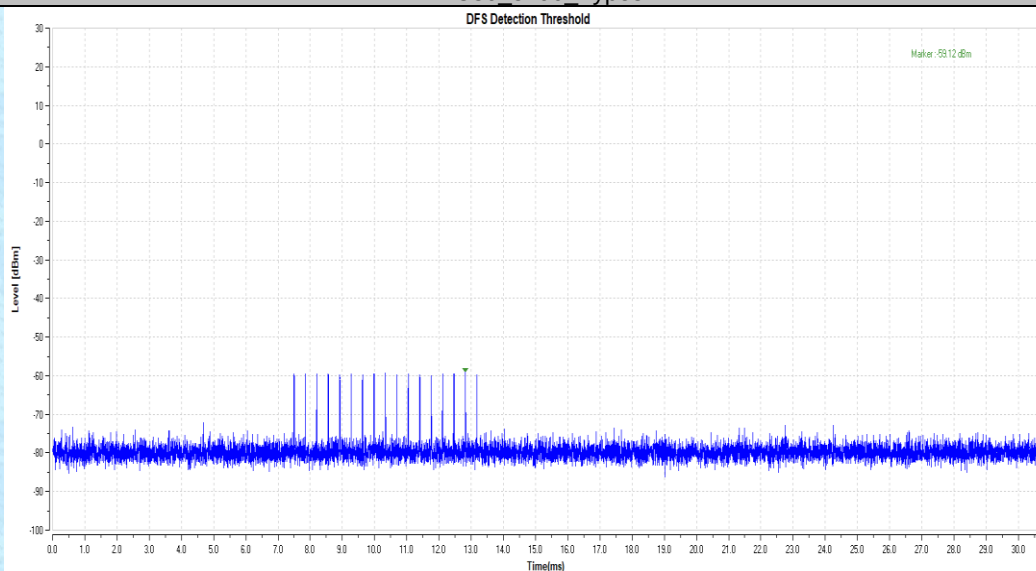
11AC80_5290_Type1



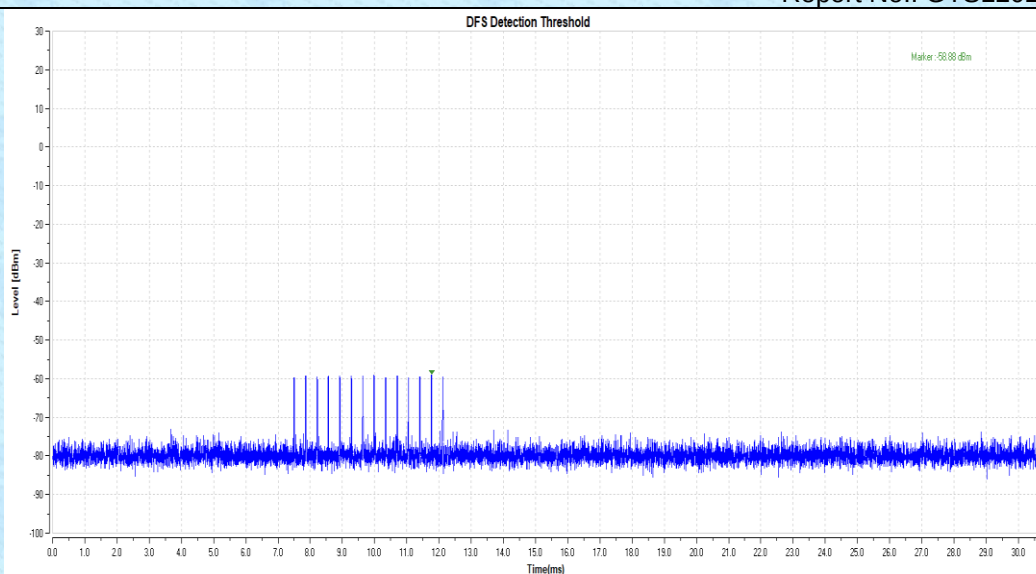
11AC80_5290_Type2



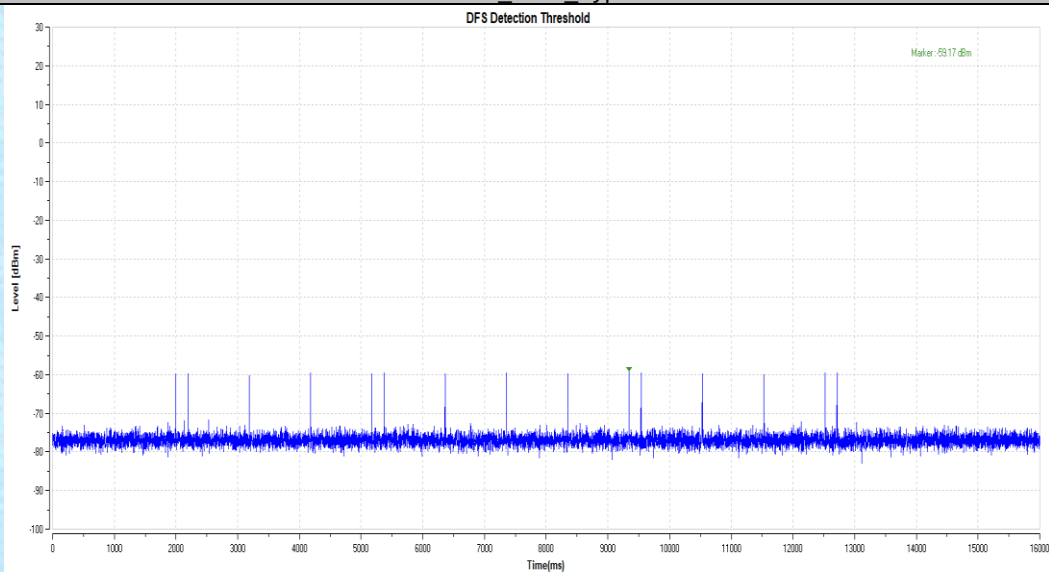
11AC80_5290_Type3



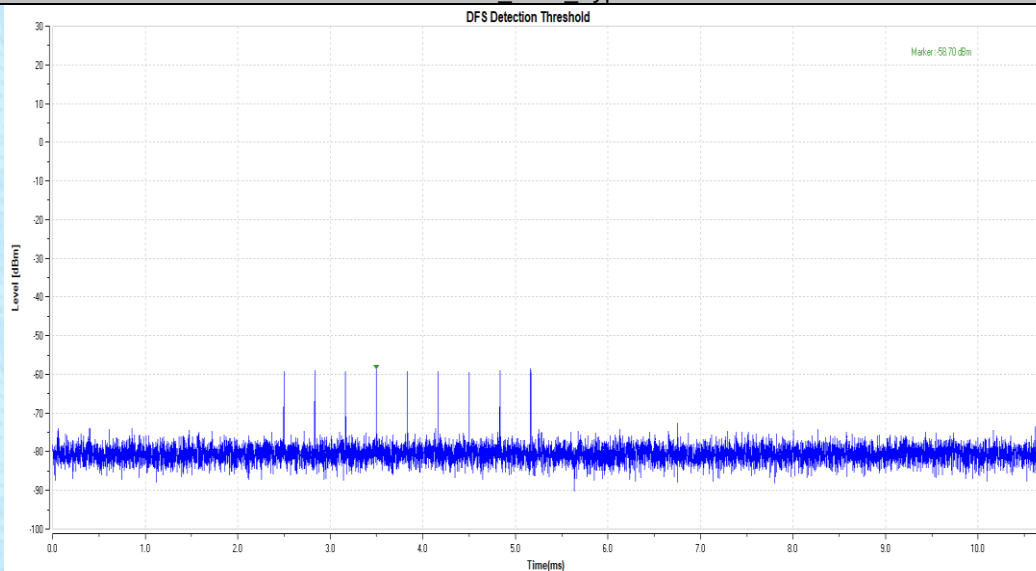
11AC80_5290_Type4



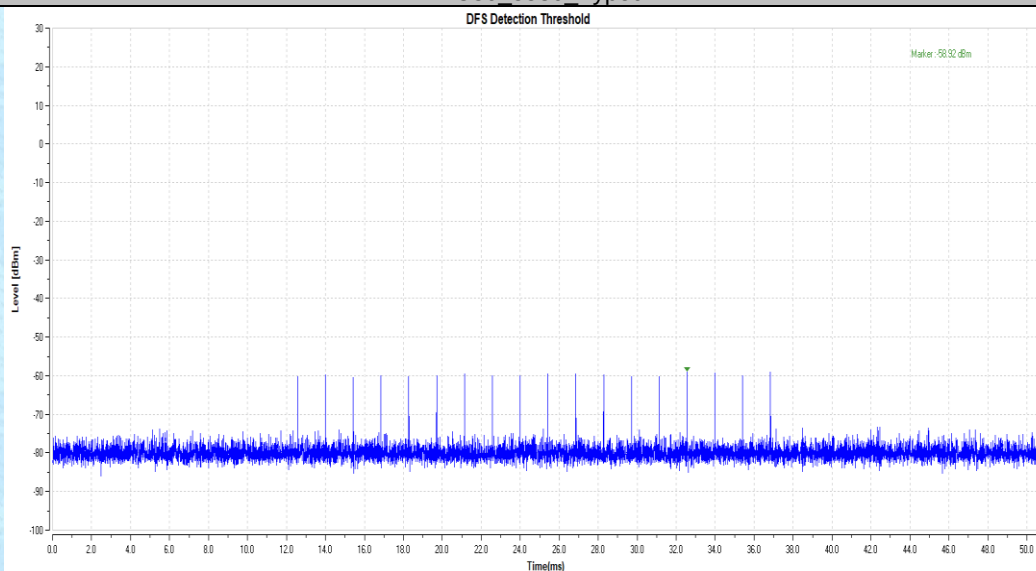
11AC80_5290_Type5



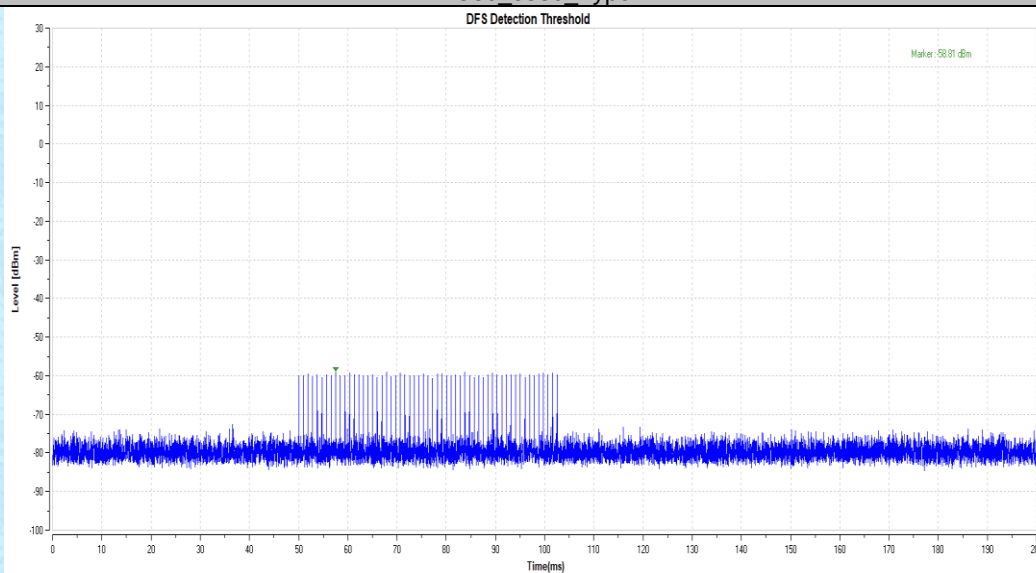
11AC80_5290_Type6



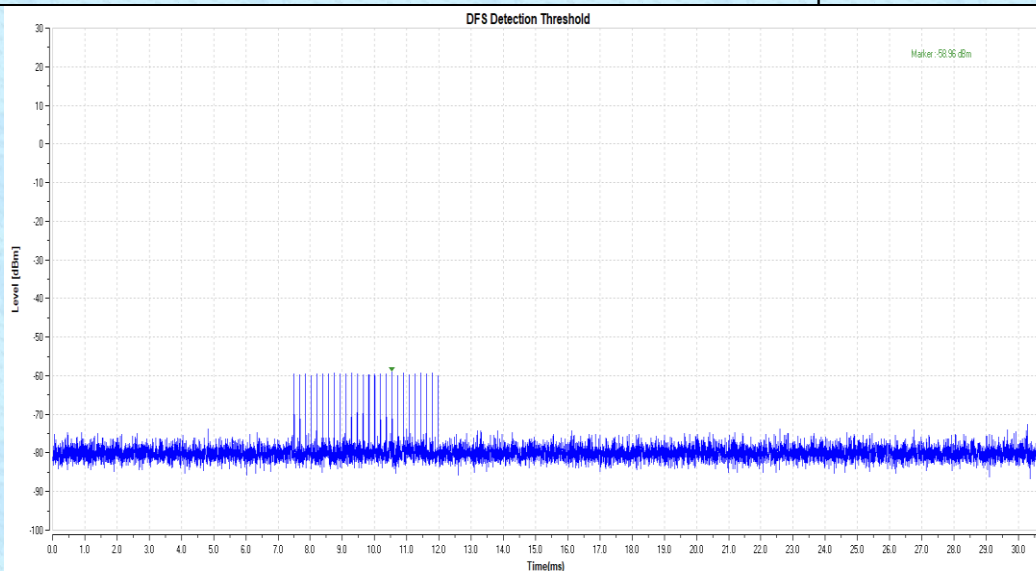
11AC80_5530_Type0



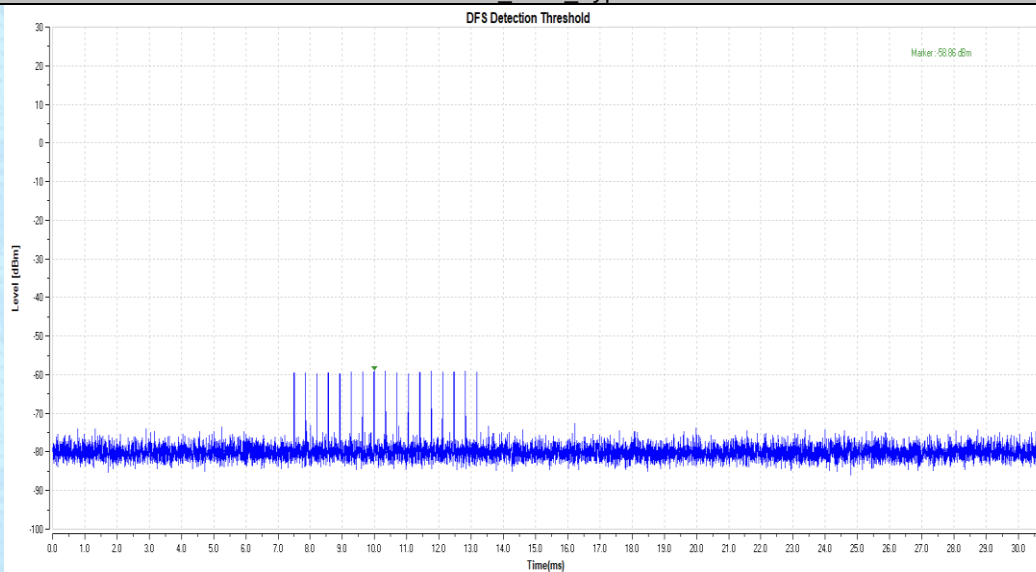
11AC80_5530_Type1



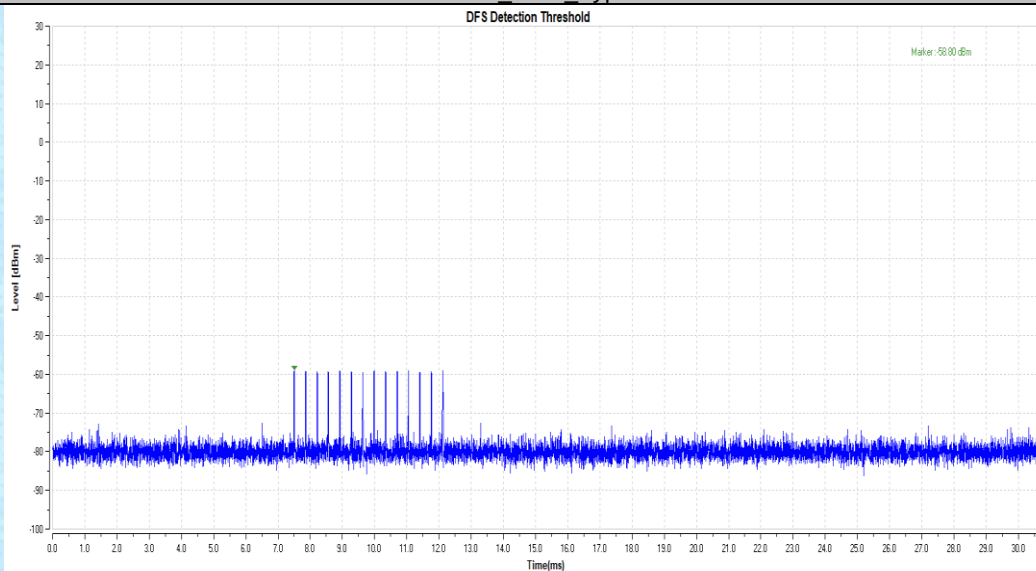
11AC80_5530_Type2



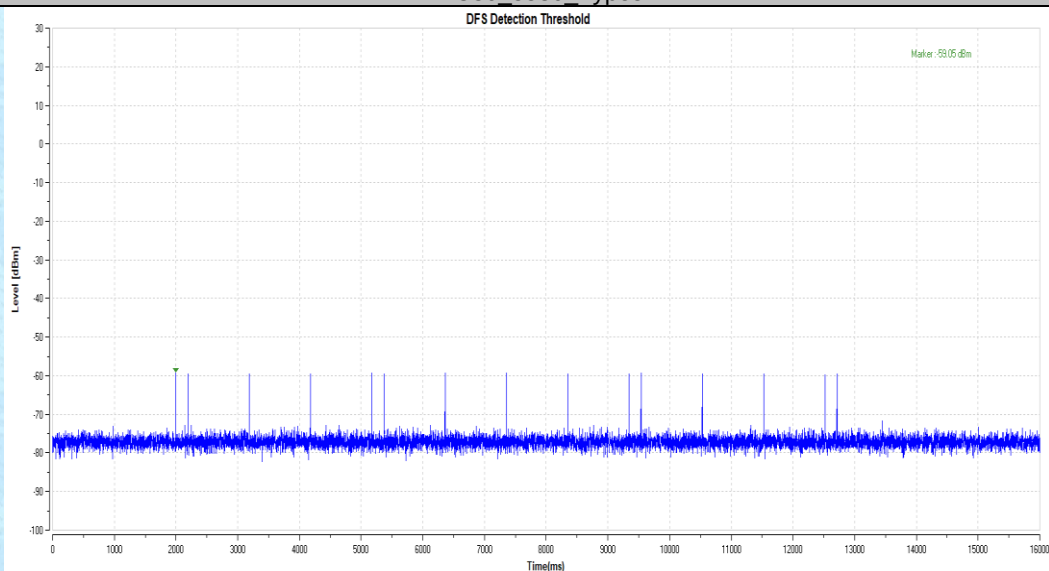
11AC80_5530_Type3



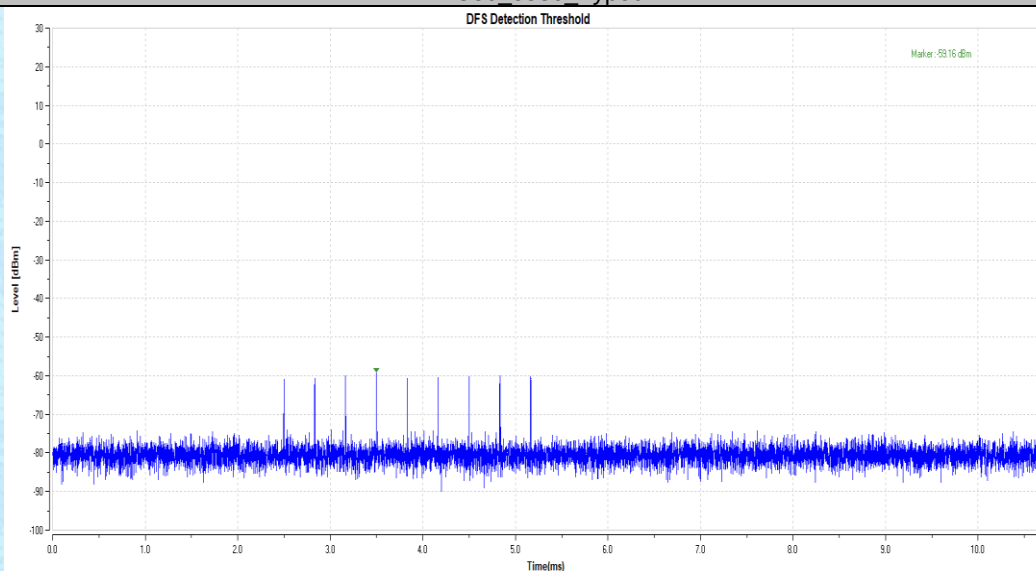
11AC80_5530_Type4



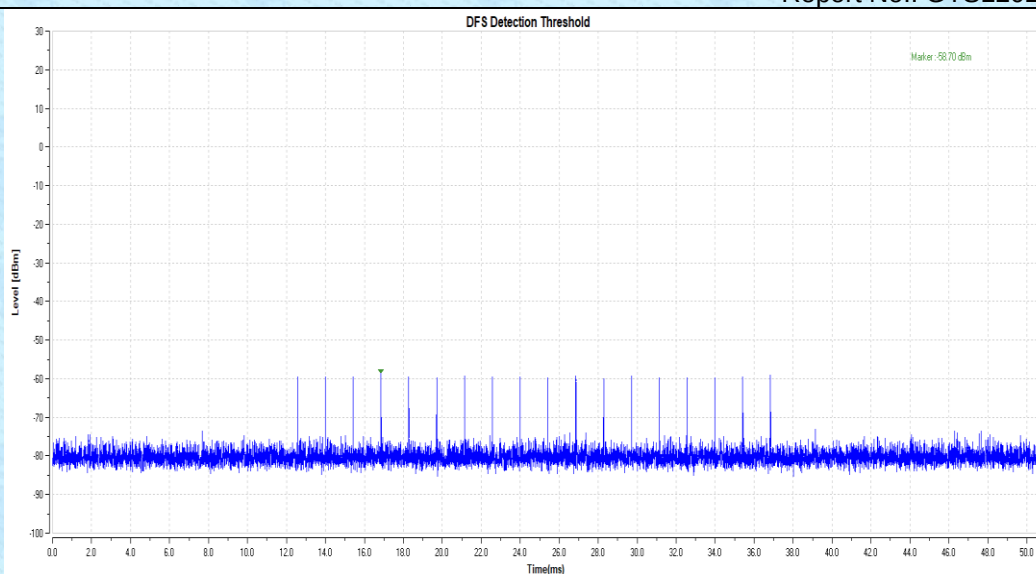
11AC80_5530_Type5



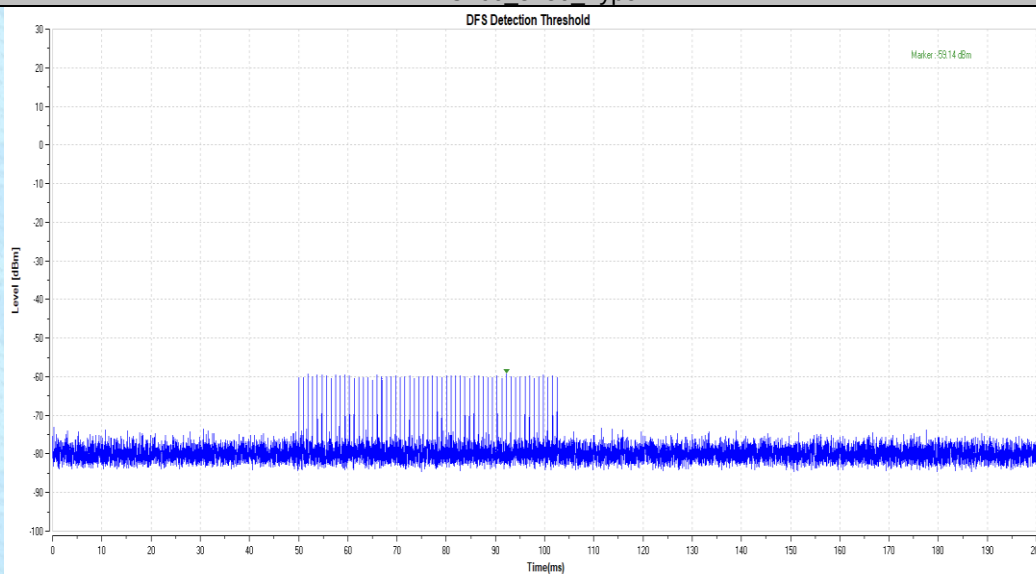
11AC80_5530_Type6



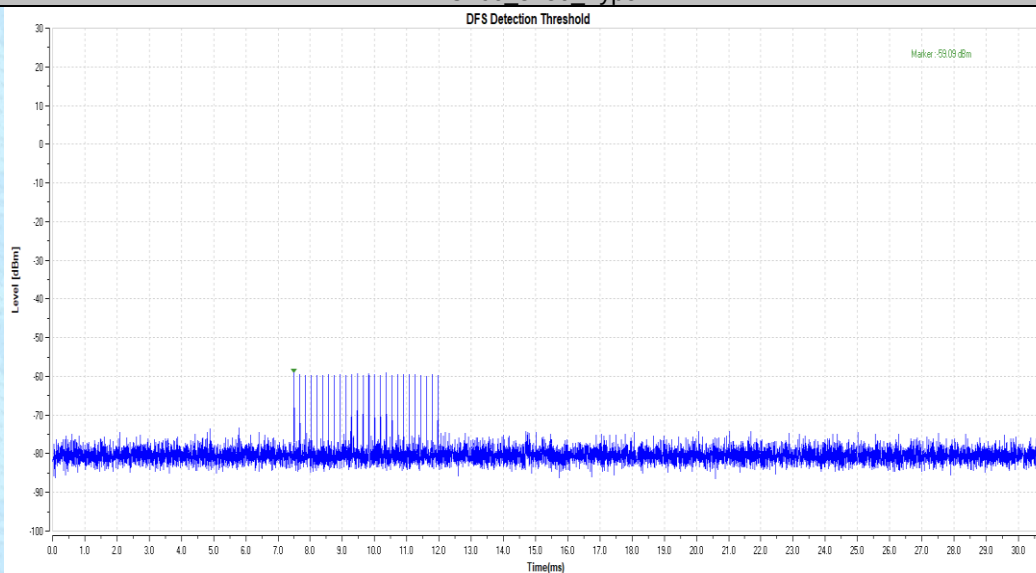
11AC160_5250_Type0



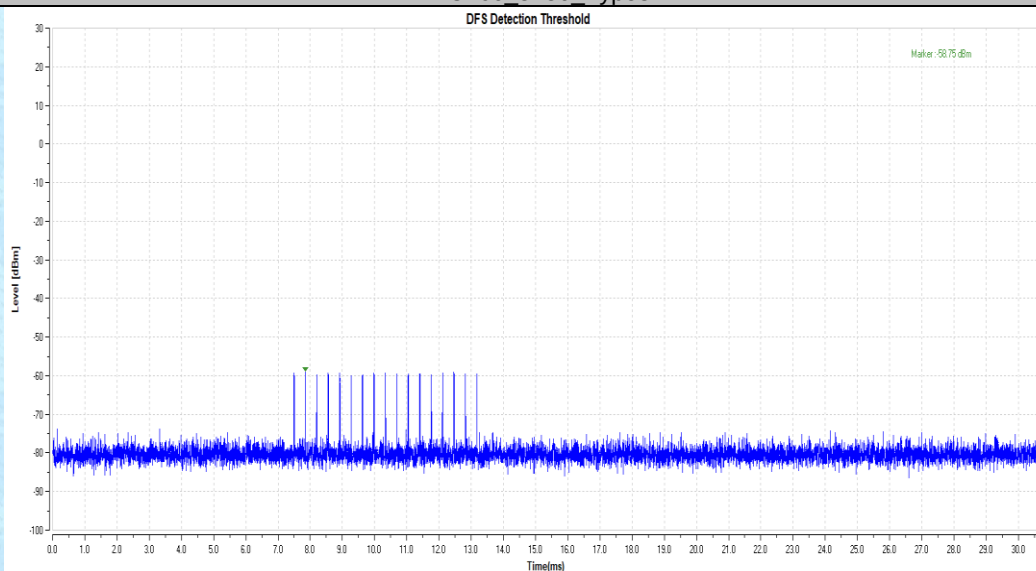
11AC160_5250_Type1



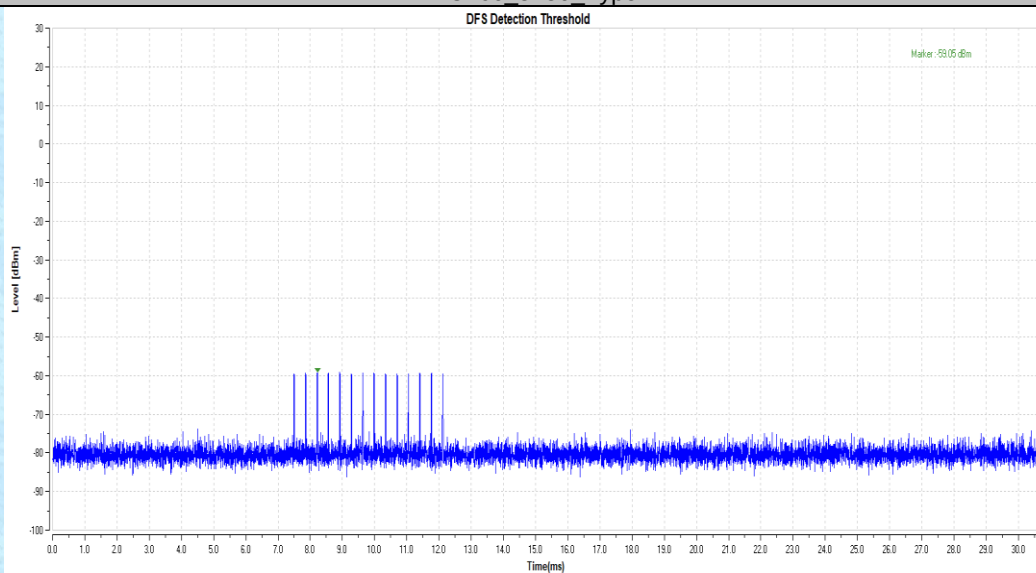
11AC160_5250_Type2



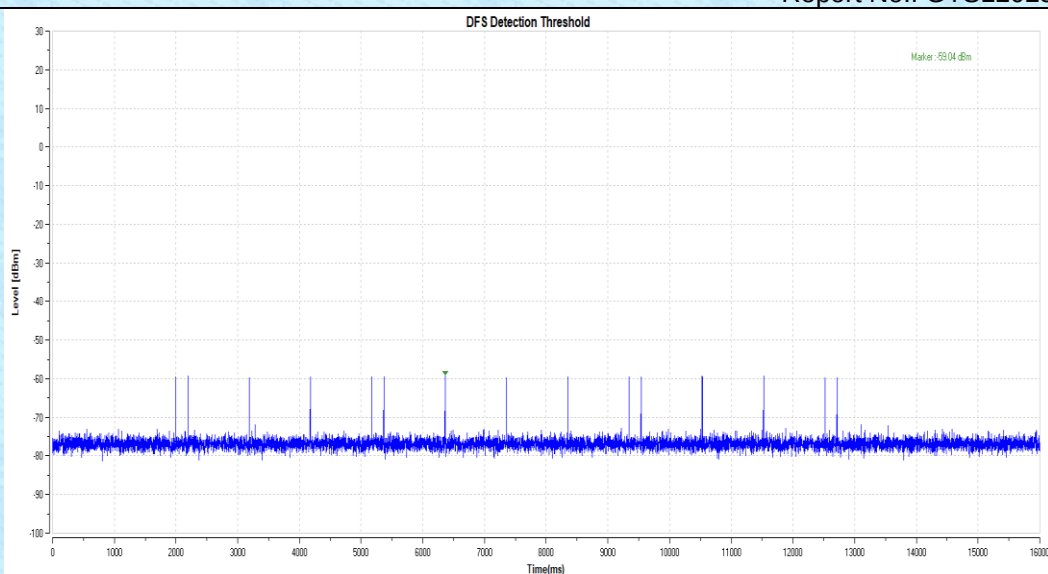
11AC160_5250_Type3



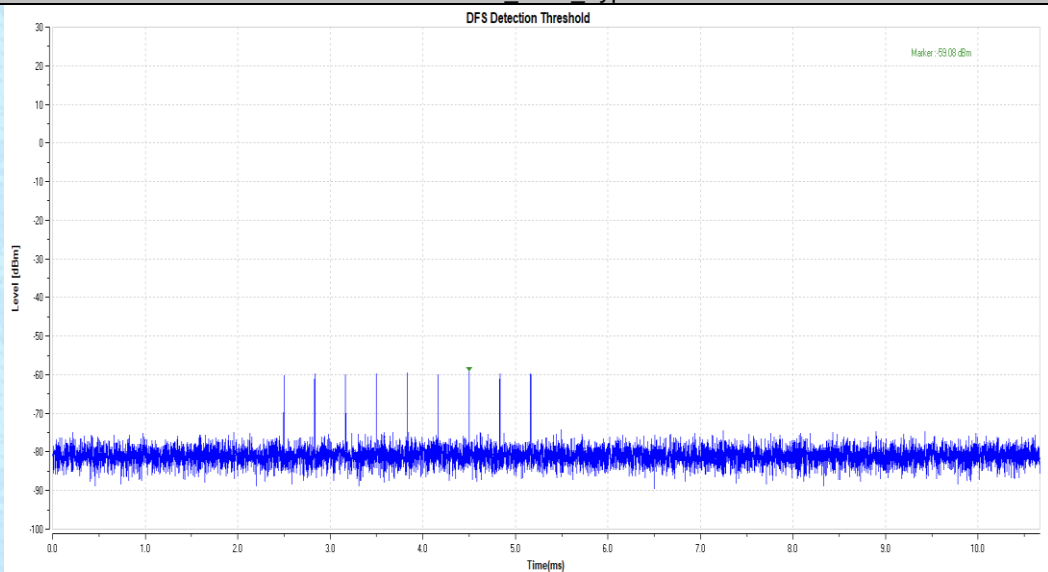
11AC160_5250_Type4



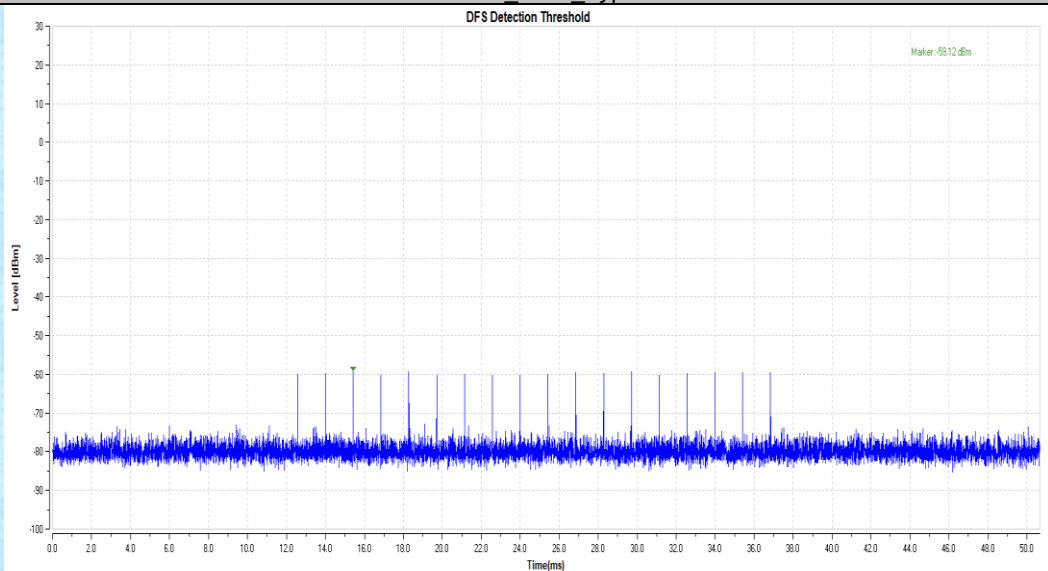
11AC160_5250_Type5



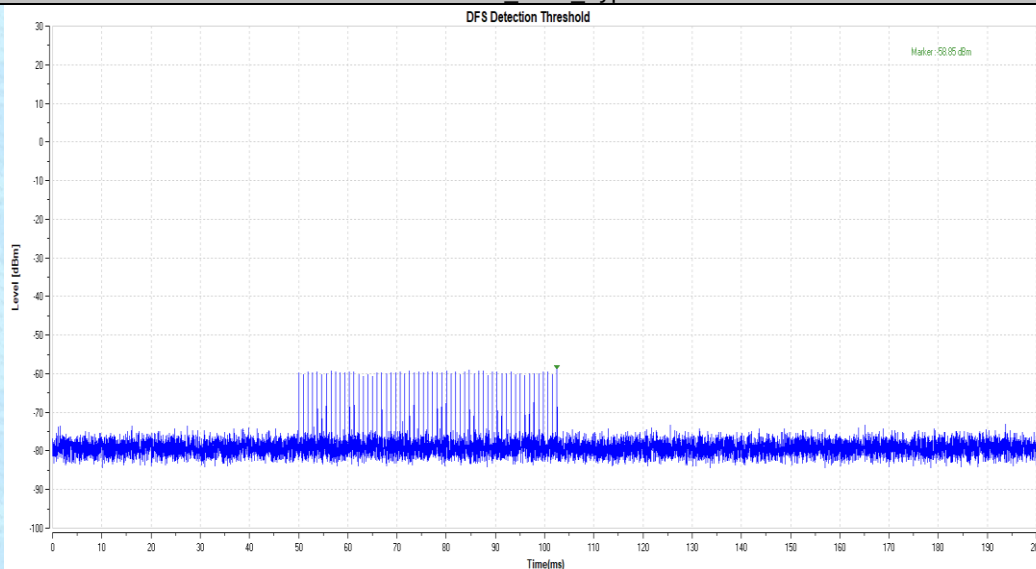
11AC160_5250_Type6



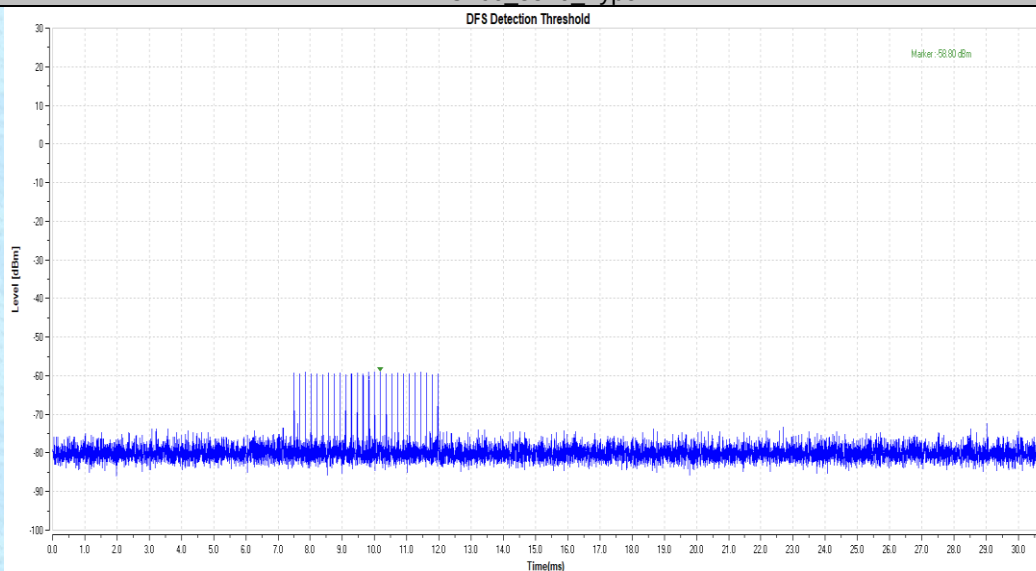
11AC160_5570_Type0



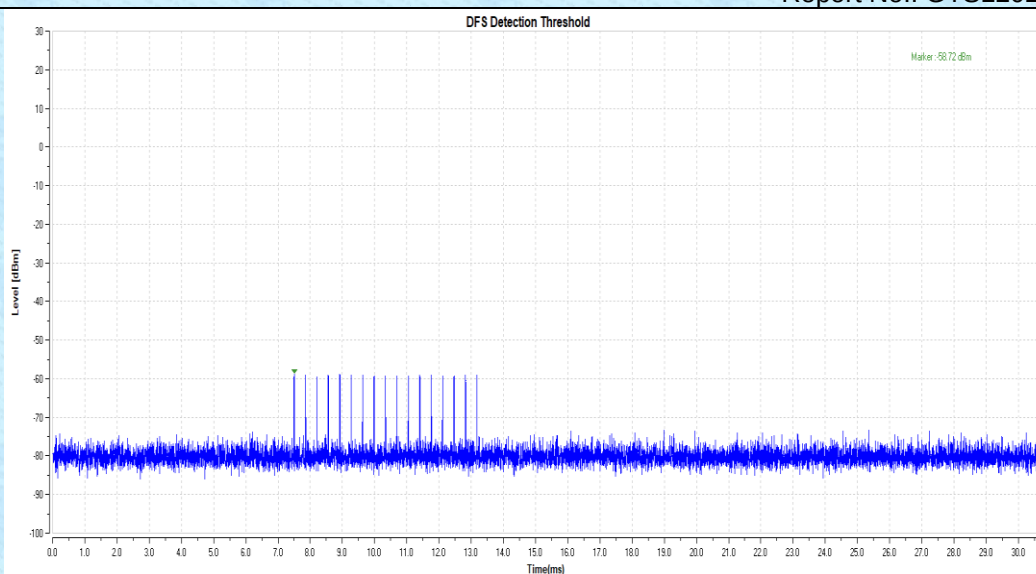
11AC160_5570_Type1



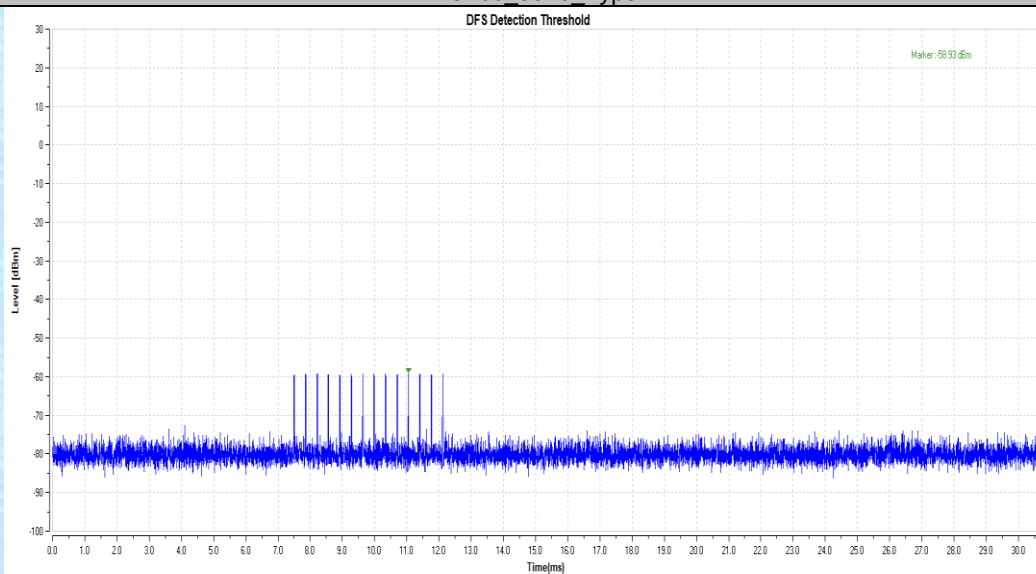
11AC160_5570_Type2



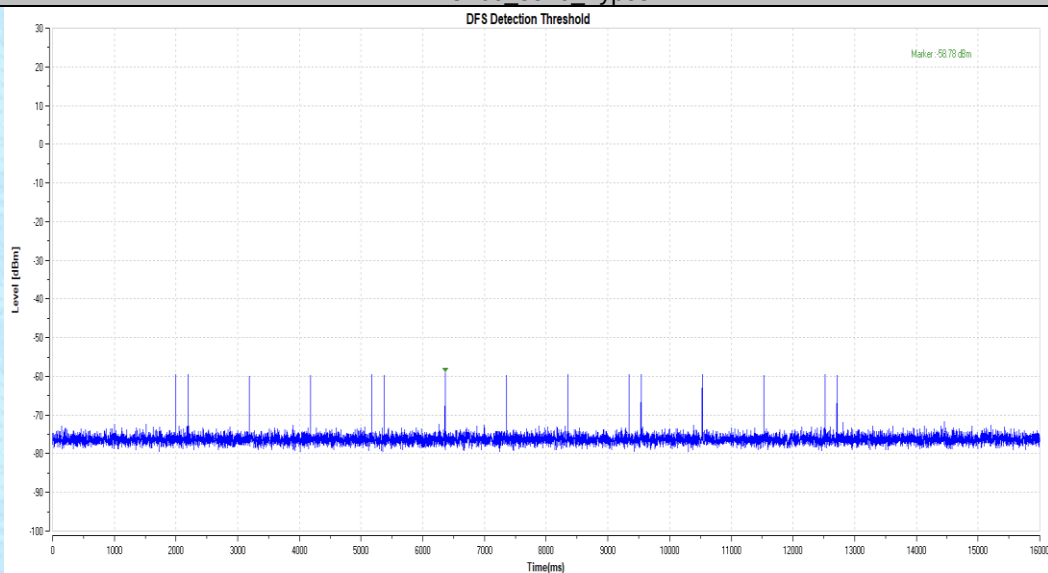
11AC160_5570_Type3



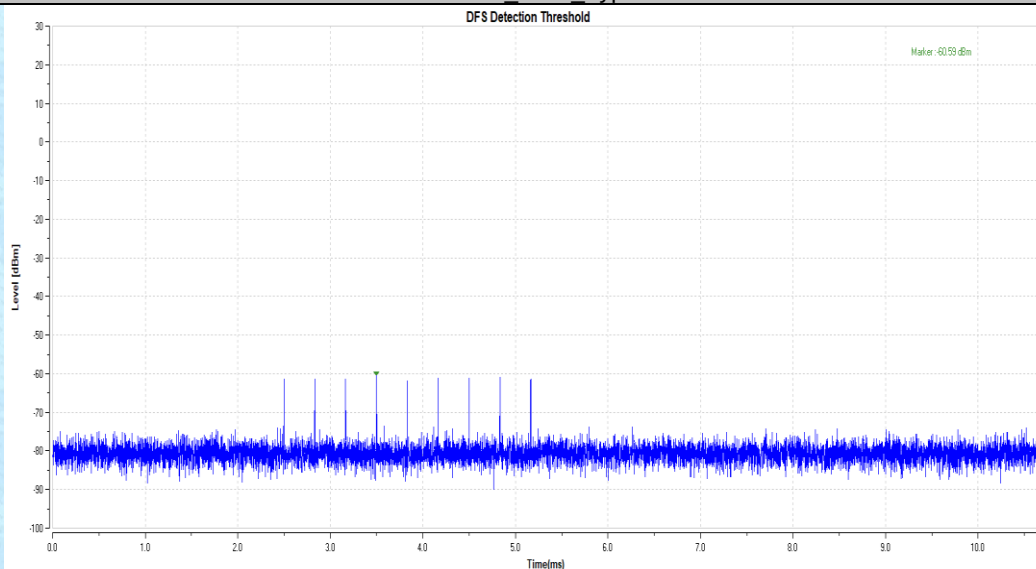
11AC160_5570_Type4



11AC160_5570_Type5



11AC160_5570_Type6

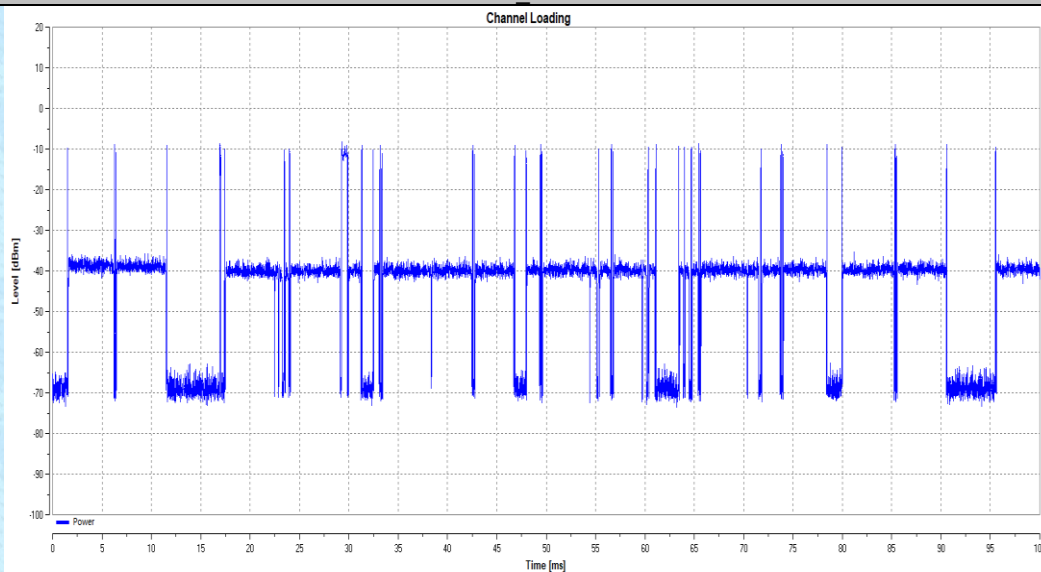


12.2 Appendix B: Channel Loading**Test Result**

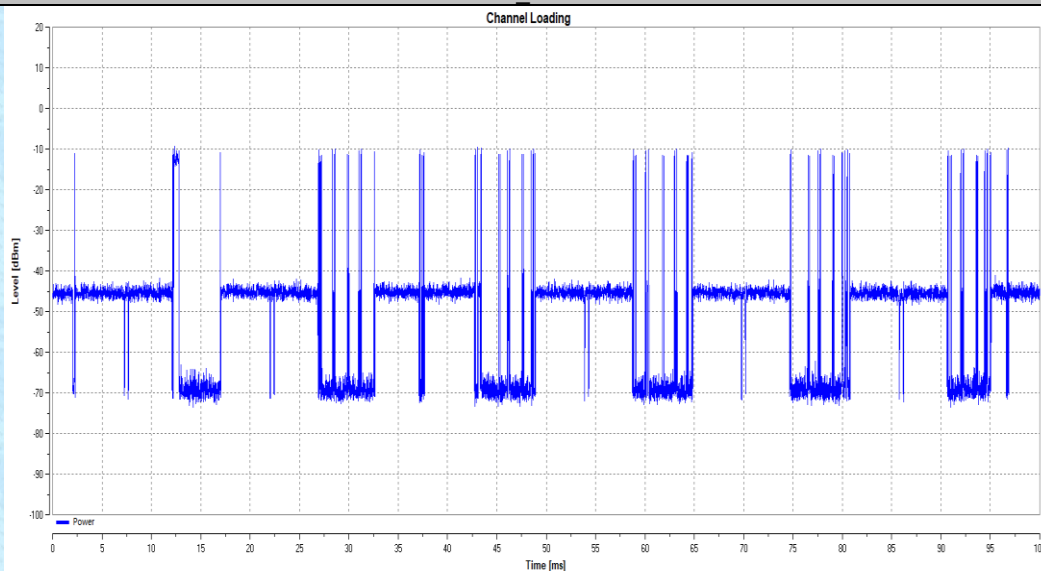
TestMode	Frequency[MHz]	Result	Limit [%]	Verdict
11A	5260	77.48	17	PASS
	5500	69.38	17	PASS
11N40	5270	38.01	17	PASS
	5510	27.23	17	PASS
11AC80	5290	22.68	17	PASS
	5530	17.96	17	PASS
11AC160	5250	25.71	17	PASS
	5570	18.1	17	PASS

Test Graphs

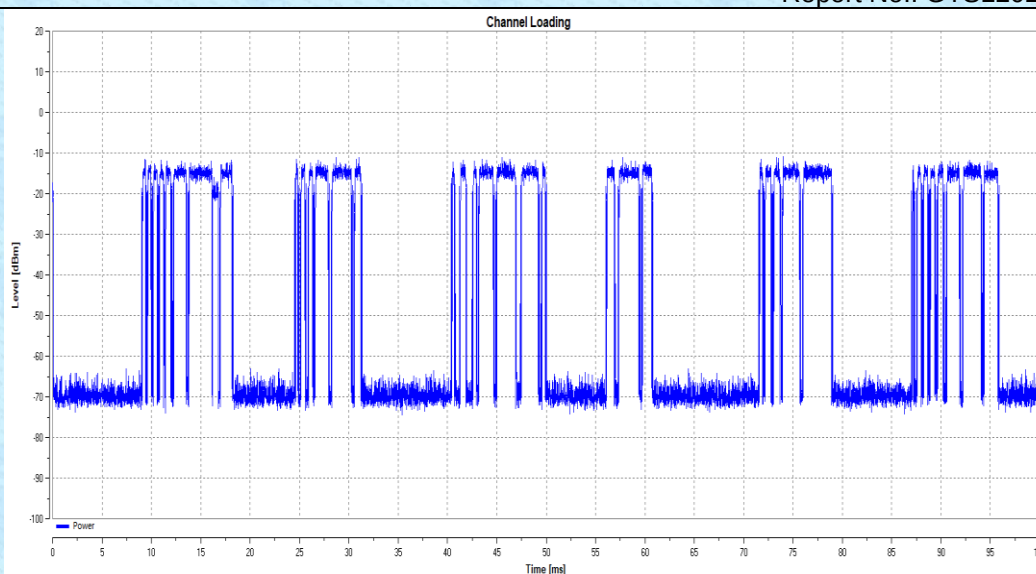
11A_5260



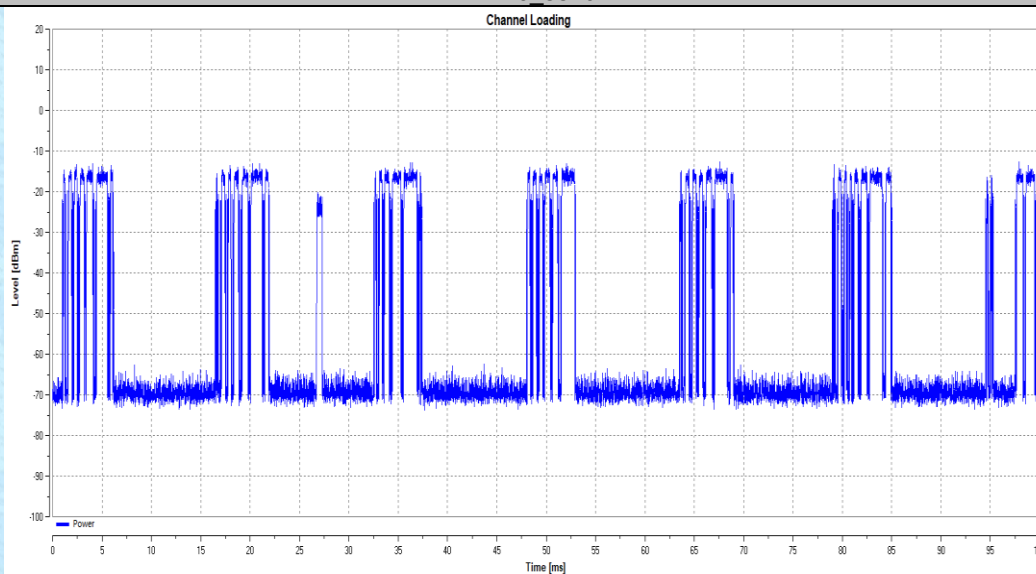
11A_5500



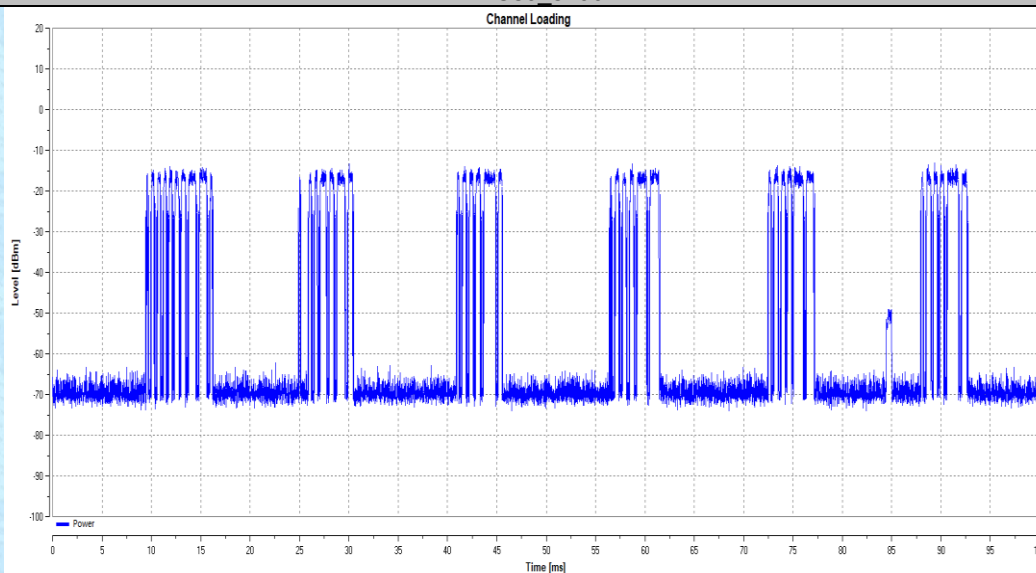
11N40_5270



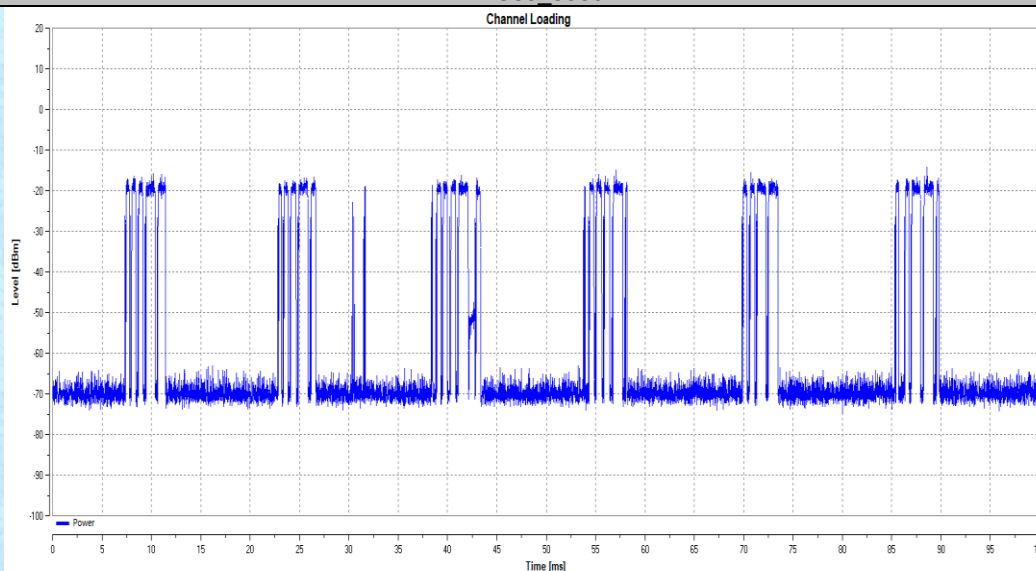
11N40_5510



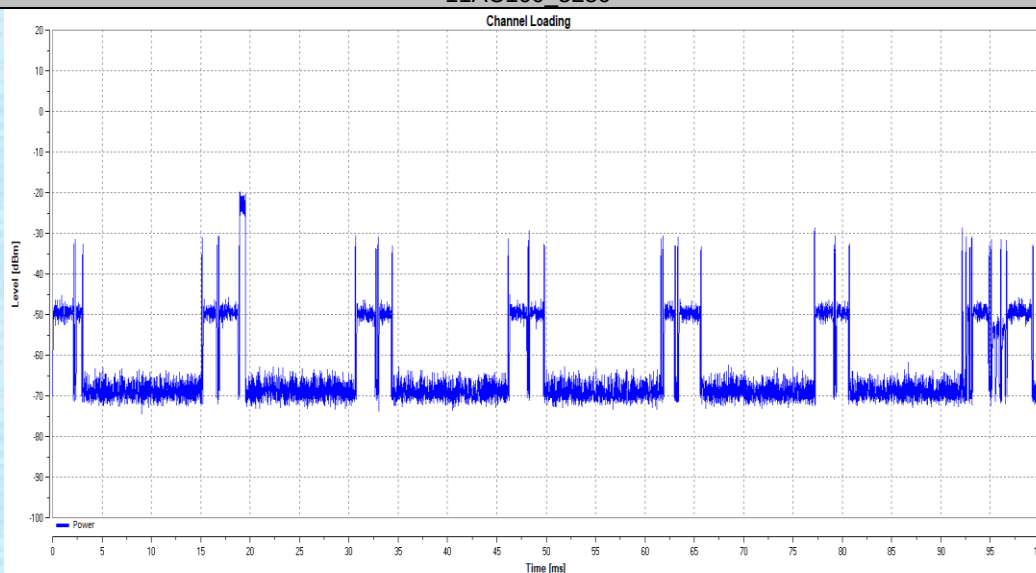
11AC80_5290



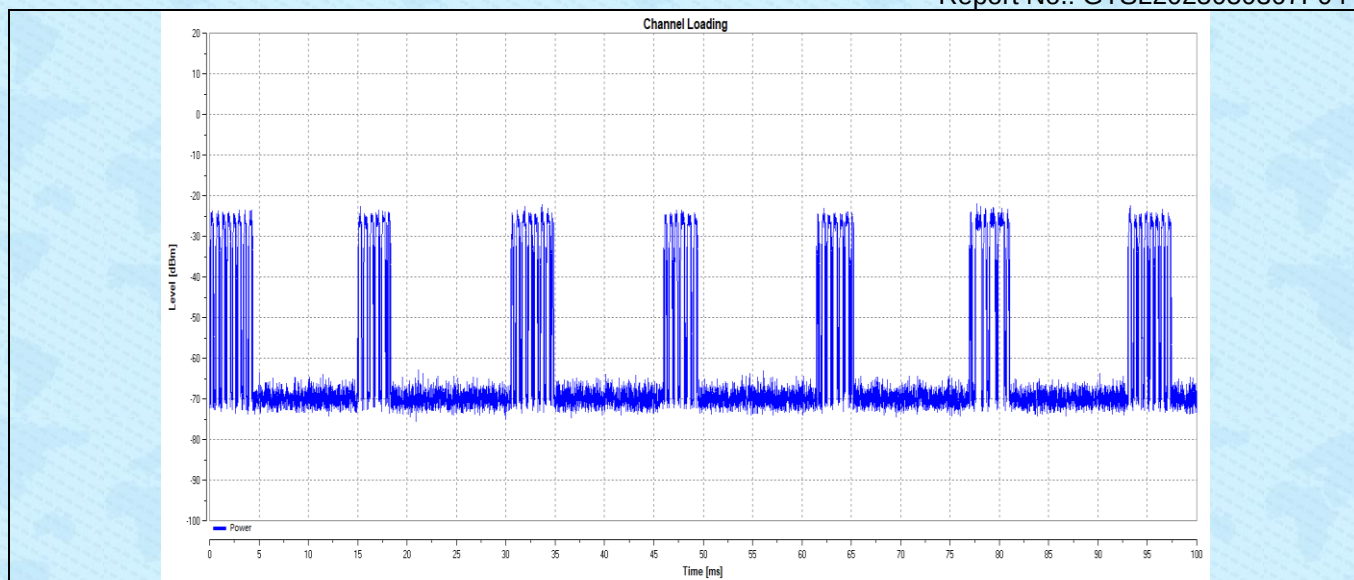
11AC80_5530



11AC160_5250



11AC160_5570



12.3 Appendix C: Channel Availability Check Time

Test Result

TestMode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS

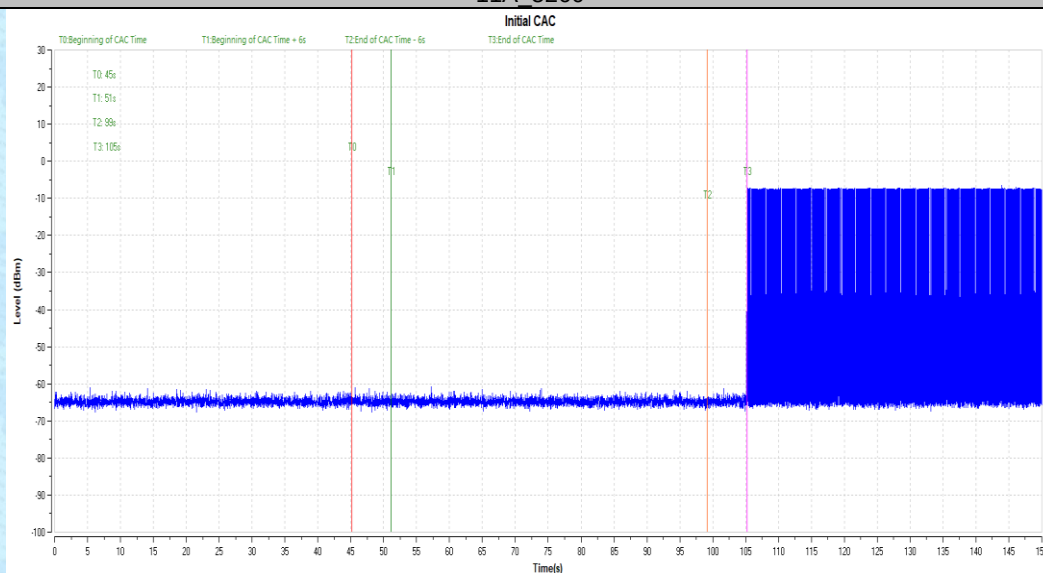
TestMode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS

TestMode	Frequency[MHz]	Result	Verdict
11A	5260	See test Graph	PASS
	5500	See test Graph	PASS

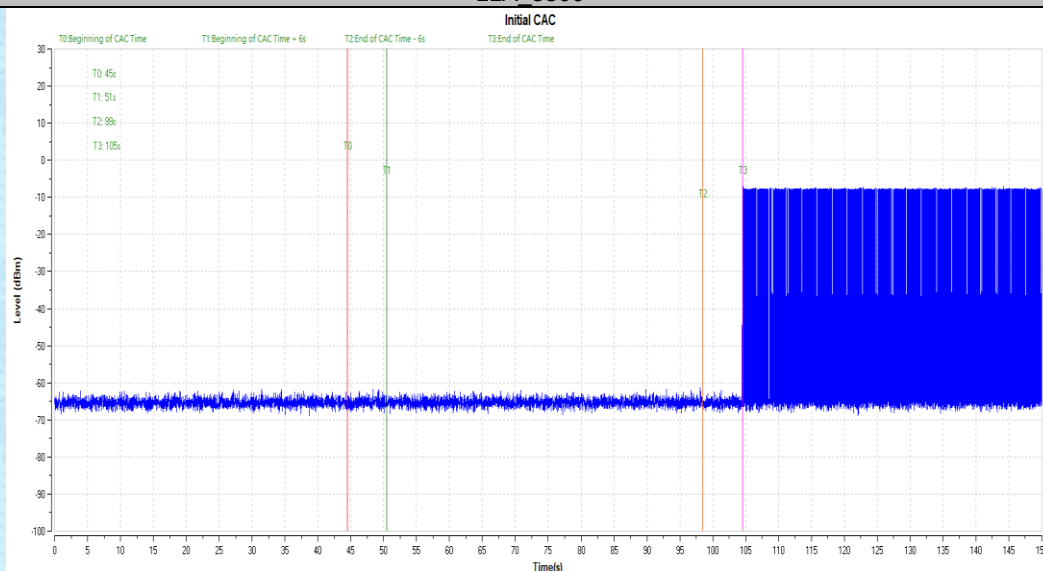
Test Graphs

Initial Channel Availability Check Time

11A_5260

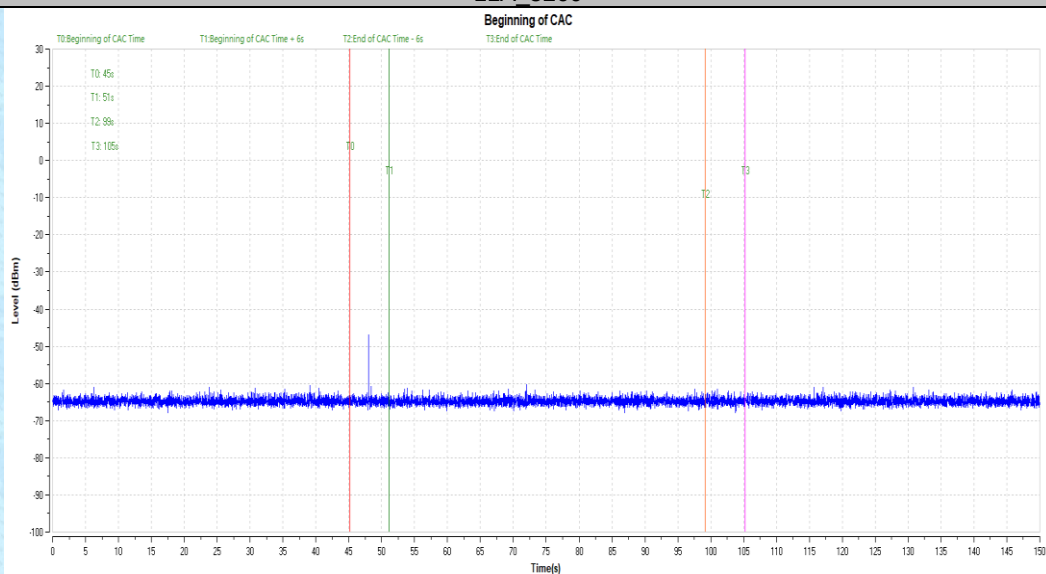


11A_5500

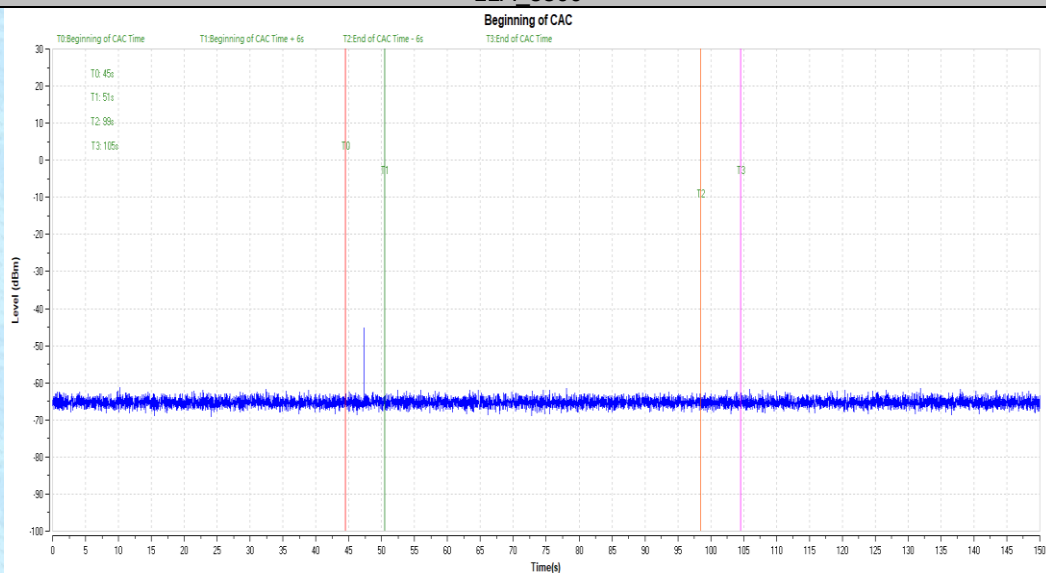


Beginning of Channel Availability Check Time

11A_5260

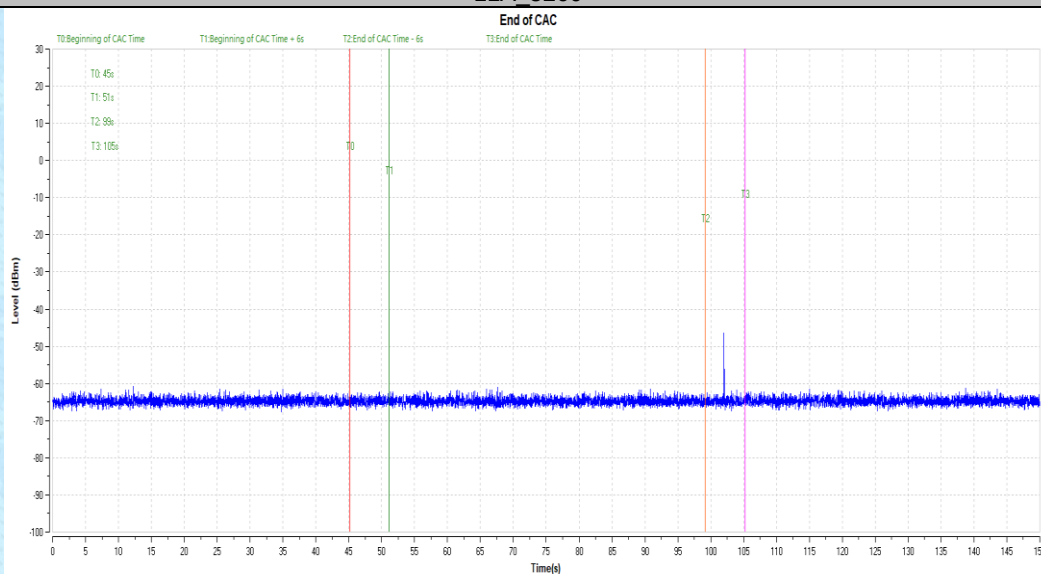


11A_5500

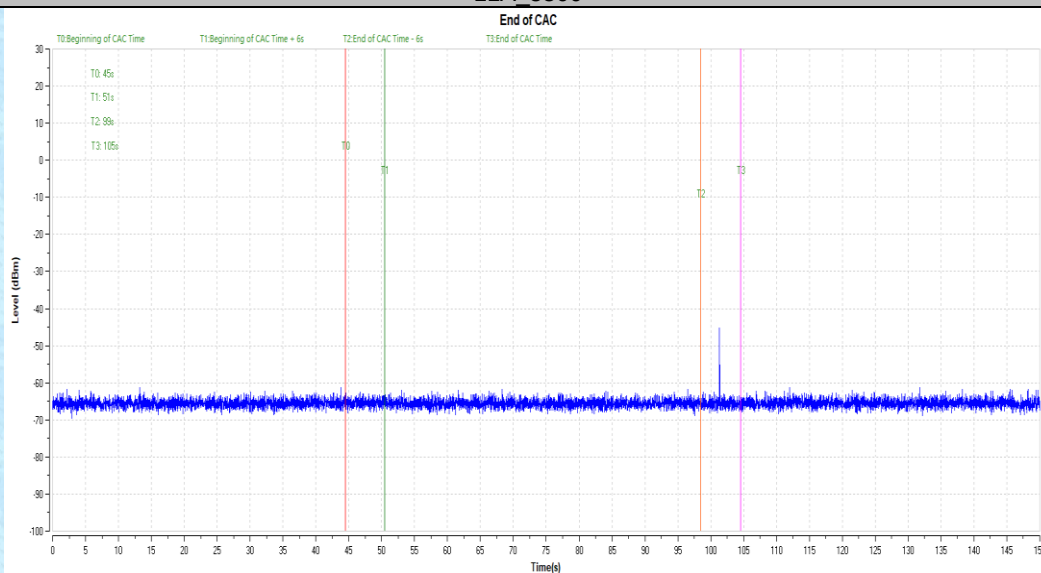


End of Channel Availability Check Time

11A_5260



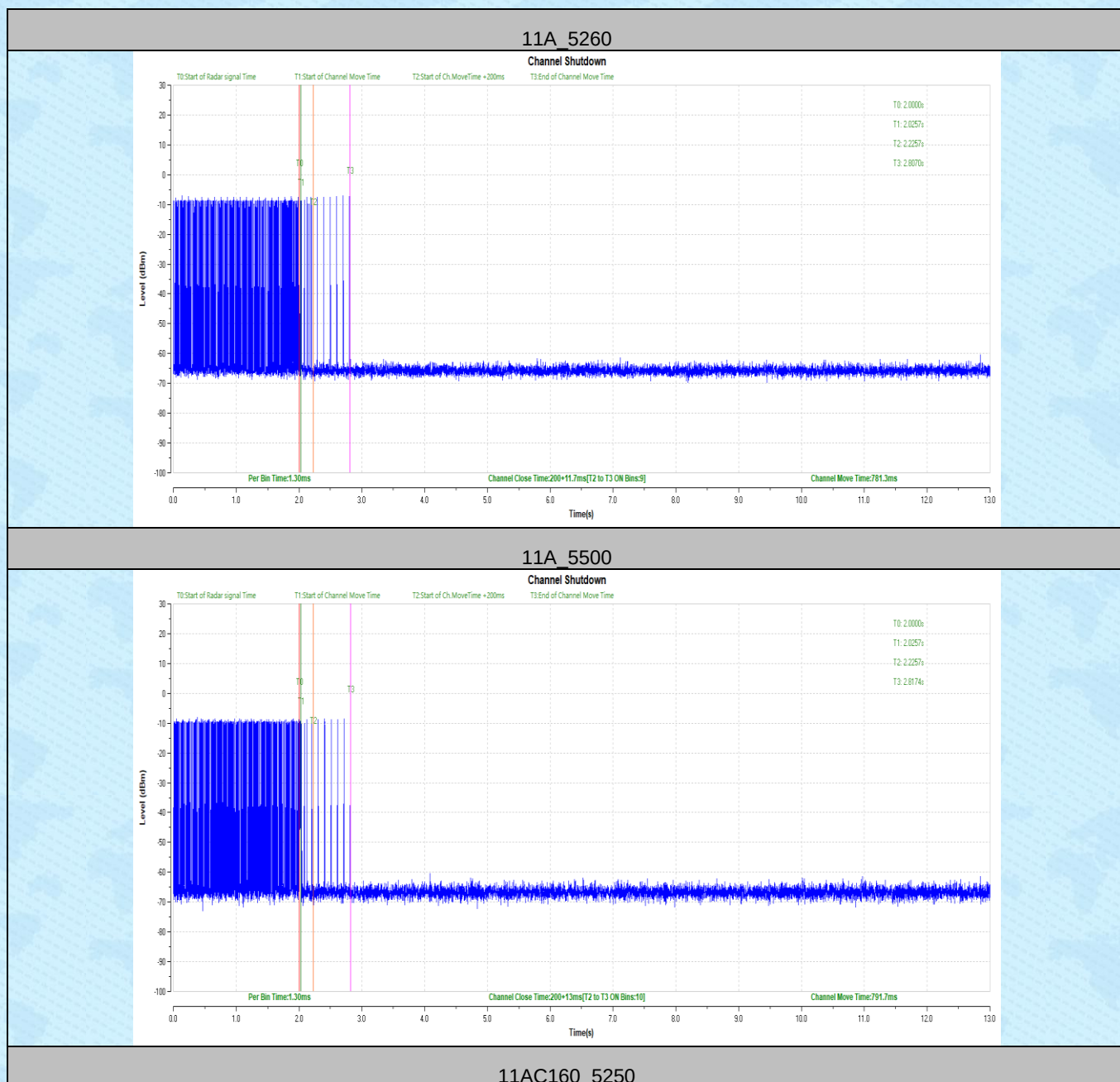
11A_5500

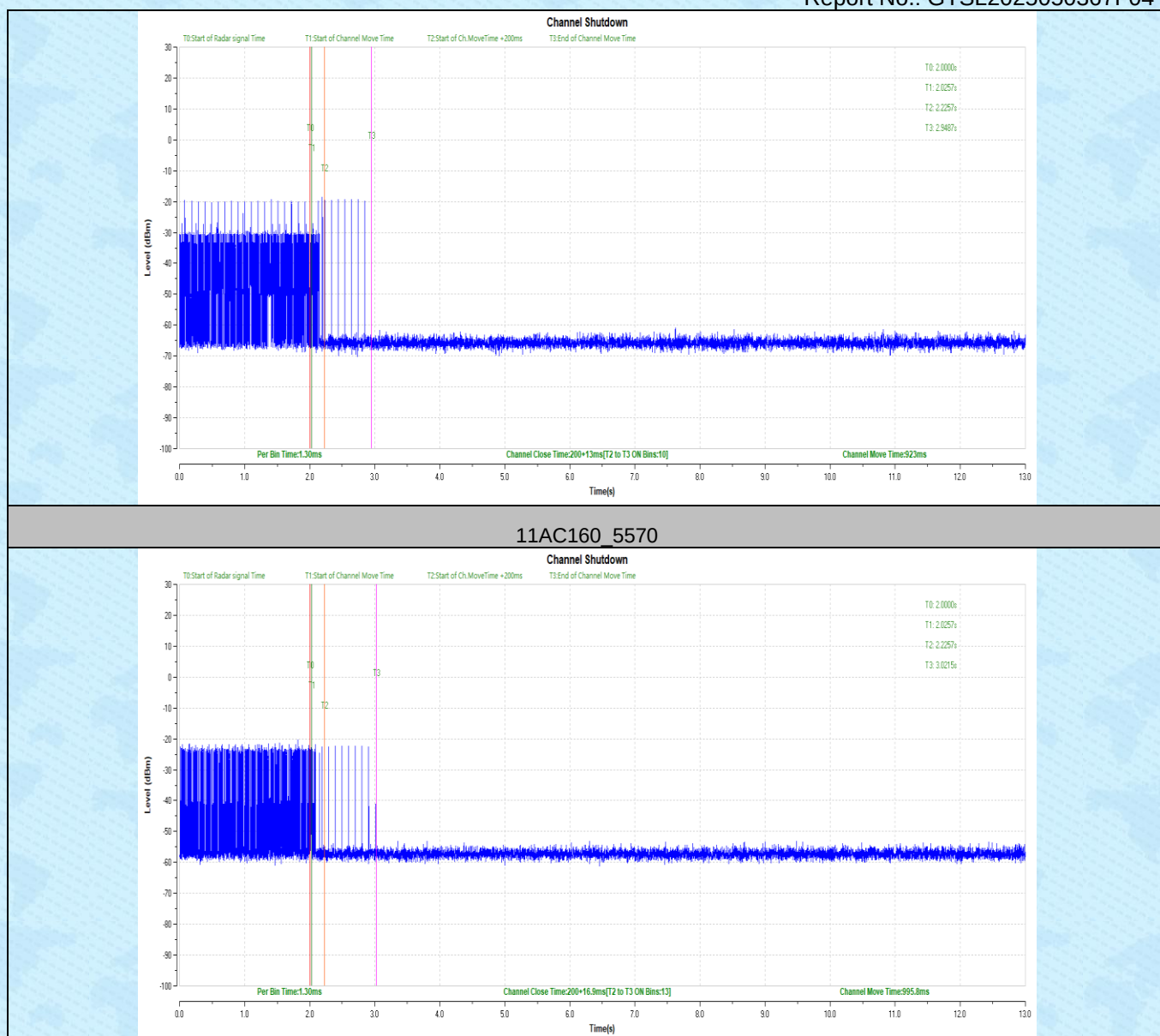


12.4 Appendix D: Channel Move Time and Channel Closing Transmission Time Test Result

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5260	200+11.7	200+60	781.3	10000	PASS
	5500	200+13	200+60	791.7	10000	PASS
11AC160	5250	200+13	200+60	923	10000	PASS
	5570	200+16.9	200+60	995.8	10000	PASS

Test Graphs



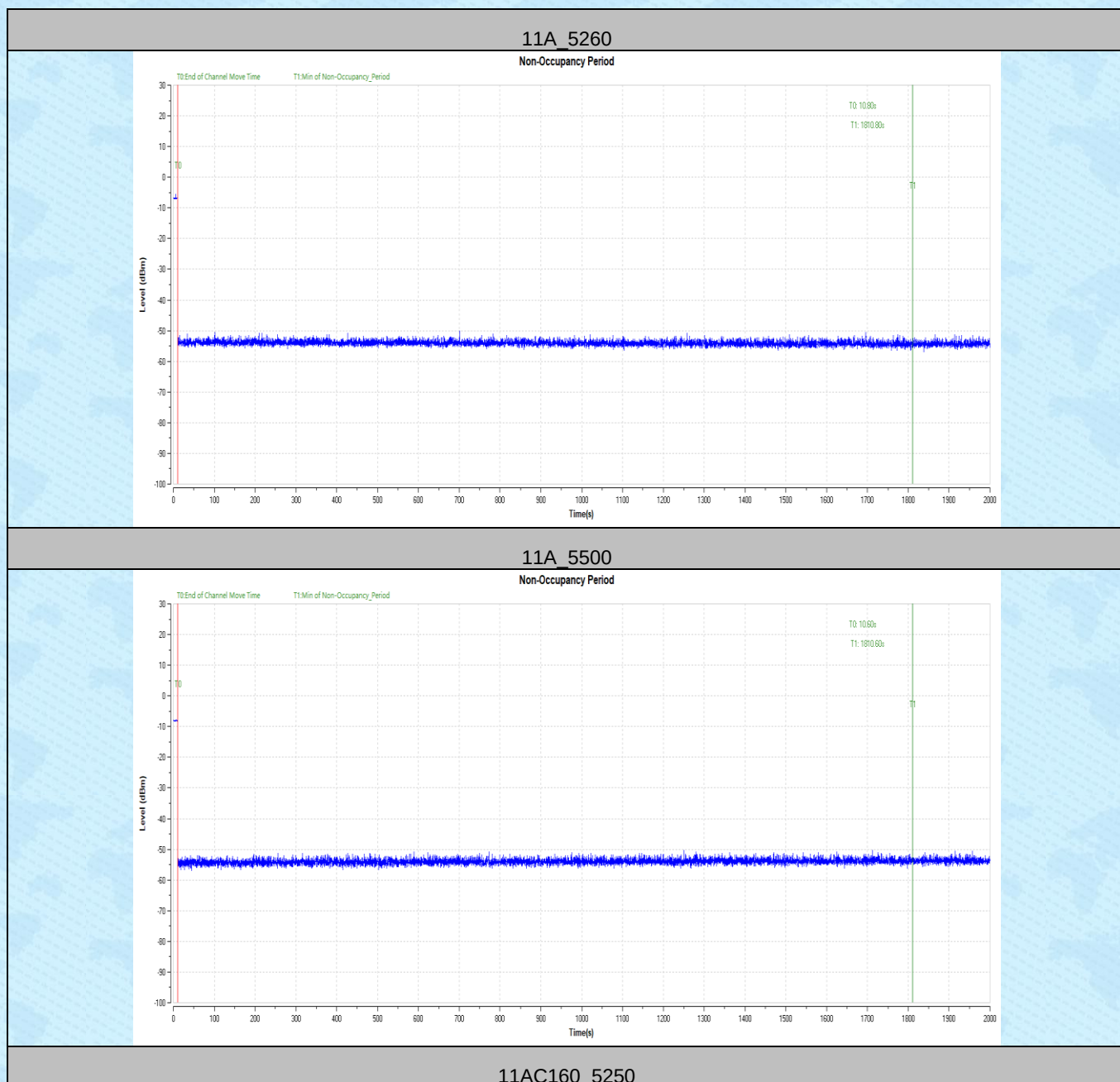


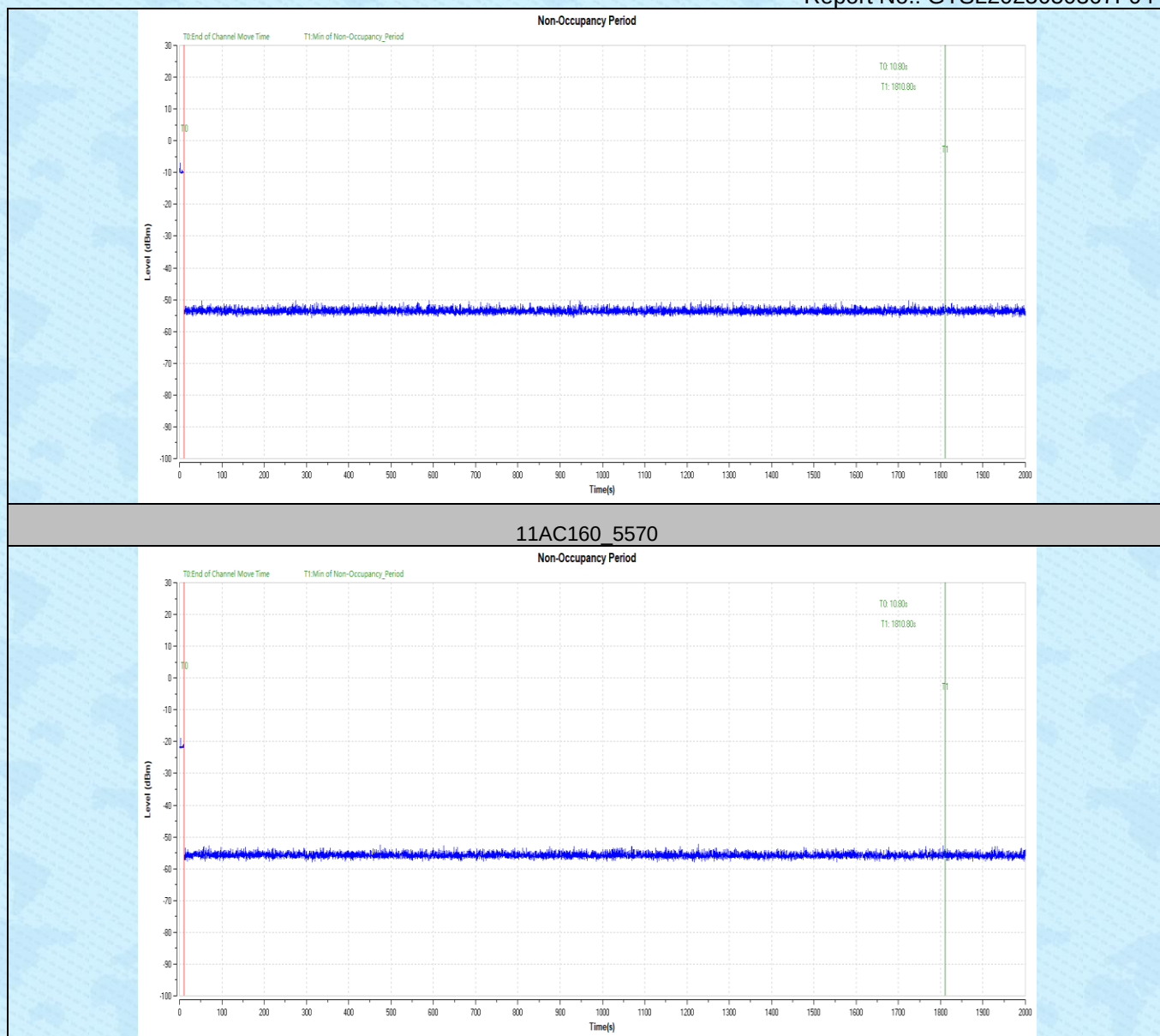
12.5 Appendix E: Non-Occupancy Period

Test Result

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11A	5260	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS
11AC160	5250	see test graph	≥1800	PASS
	5570	see test graph	≥1800	PASS

Test Graphs





12.6 Appendix F: U-NII Detection Bandwidth

Test Result

TestMode	Frequency[MHz]	FL[MHz]	FH[MHz]	Detection Bandwidth [MHz]	OCB [MHz]	Ratio [%]	Limit [%]	Verdict
11A	5260	5249	5271	22	15.918	138.21	≥100	PASS
	5500	5487	5513	26	15.855	163.99	≥100	PASS
11N40	5270	5247	5292	45	37.375	120.40	≥100	PASS
	5510	5487	5532	45	37.364	120.44	≥100	PASS
11AC80	5290	5246	5331	85	76.805	110.67	≥100	PASS
	5530	5489	5571	82	76.311	107.46	≥100	PASS
11AC160	5250	5249	5330	81	77.56	104.44	≥100	PASS
	5570	5490	5650	160	155.66	102.79	≥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	5260	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
		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	0	0	0	0	0	0	0	0	0	0	0
	5500	5486	0	0	0	0	0	0	0	0	0	0	0
		5487	1	1	1	1	1	1	1	1	1	1	100
		5488	1	1	1	1	1	1	1	1	1	1	100
		5489	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		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	1	1	1	1	1	1	1	1	1	1	100
		5512	1	1	1	1	1	1	1	1	1	1	100

		5513	1	1	1	1	1	1	1	1	1	1	100
		5514	0	0	0	0	0	0	0	0	0	0	0
11N40	5270	5246	0	0	0	0	0	0	0	0	0	0	0
		5247	1	1	1	1	1	1	1	1	1	1	100
		5248	1	1	1	1	1	1	1	1	1	1	100
		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
		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
		5291	1	1	1	1	1	1	1	1	1	1	100
		5292	1	1	1	1	1	1	1	1	1	1	100
		5293	0	0	0	0	0	0	0	0	0	0	0
	5510	5486	0	0	0	0	0	0	0	0	0	0	0
		5487	1	1	1	1	1	1	1	1	1	1	100
		5488	1	1	1	1	1	1	1	1	1	1	100
		5489	1	1	1	1	1	1	1	1	1	1	100
		5490	1	1	1	1	1	1	1	1	1	1	100
		5495	1	1	1	1	1	1	1	1	1	1	100
		5500	1	1	1	1	1	1	1	1	1	1	100
		5505	1	1	1	1	1	1	1	1	1	1	100
		5510	1	1	1	1	1	1	1	1	1	1	100
		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
		5530	1	1	1	1	1	1	1	1	1	1	100
		5531	1	1	1	1	1	1	1	1	1	1	100
		5532	1	1	1	1	1	1	1	1	1	1	100
		5533	0	0	0	0	0	0	0	0	0	0	0
11AC80	5290	5245	0	0	0	0	0	0	0	0	0	0	0
		5246	1	1	1	1	1	1	1	1	1	1	100
		5247	1	1	1	1	1	1	1	1	1	1	100