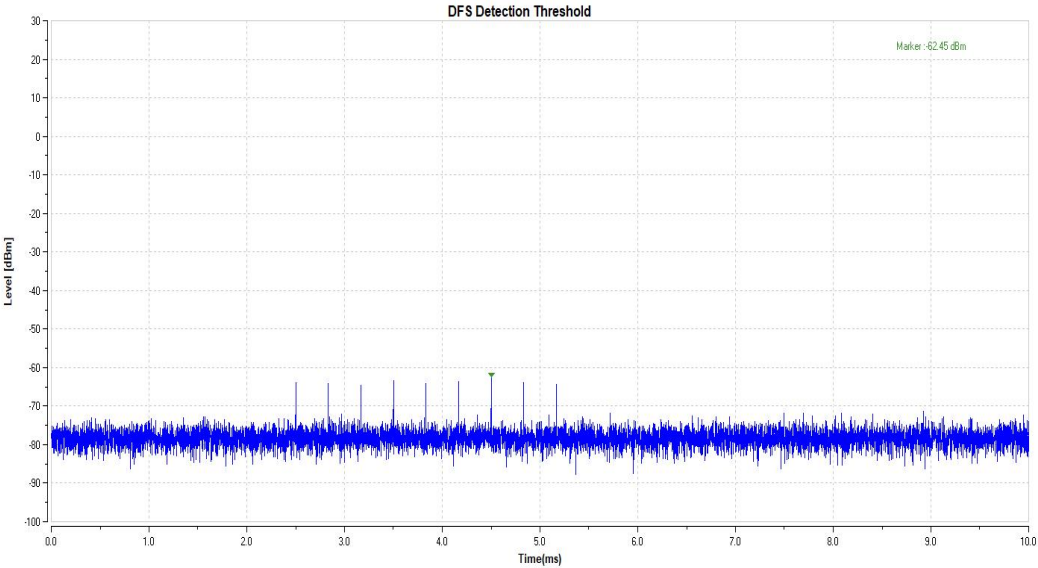
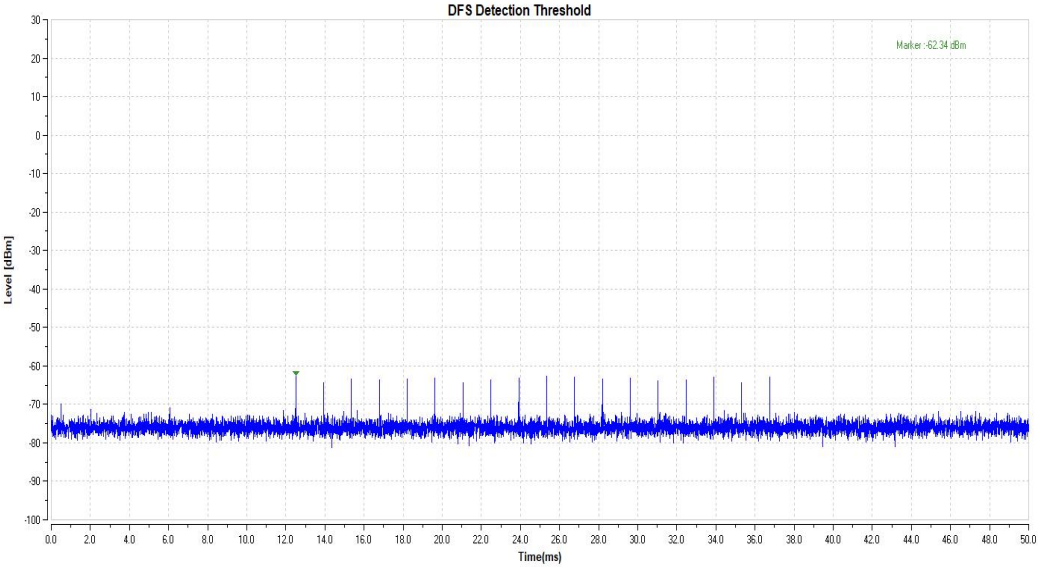


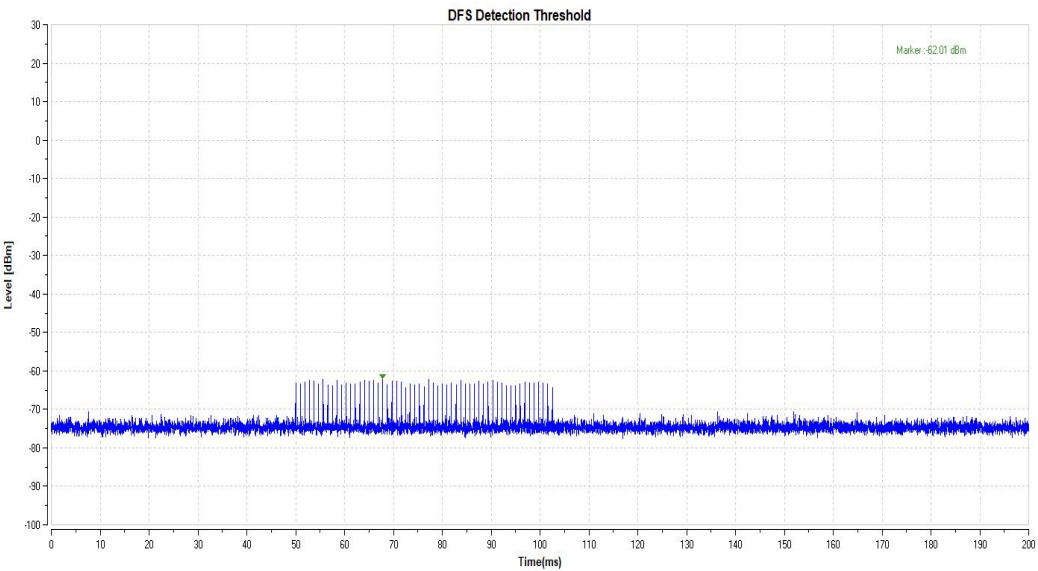
11AC40SISO_5310_Type6



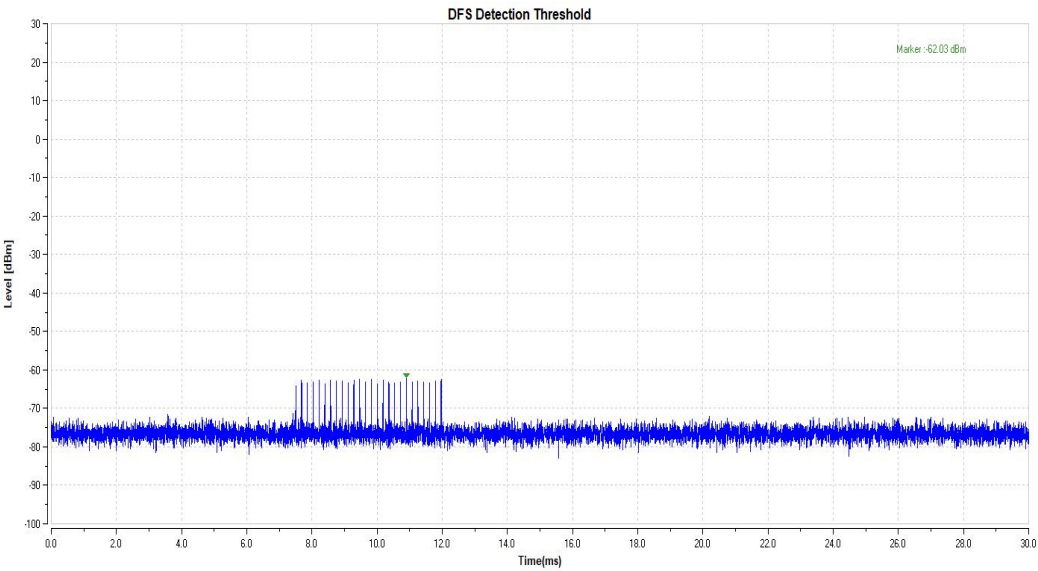
11AC40SISO_5510_Type0



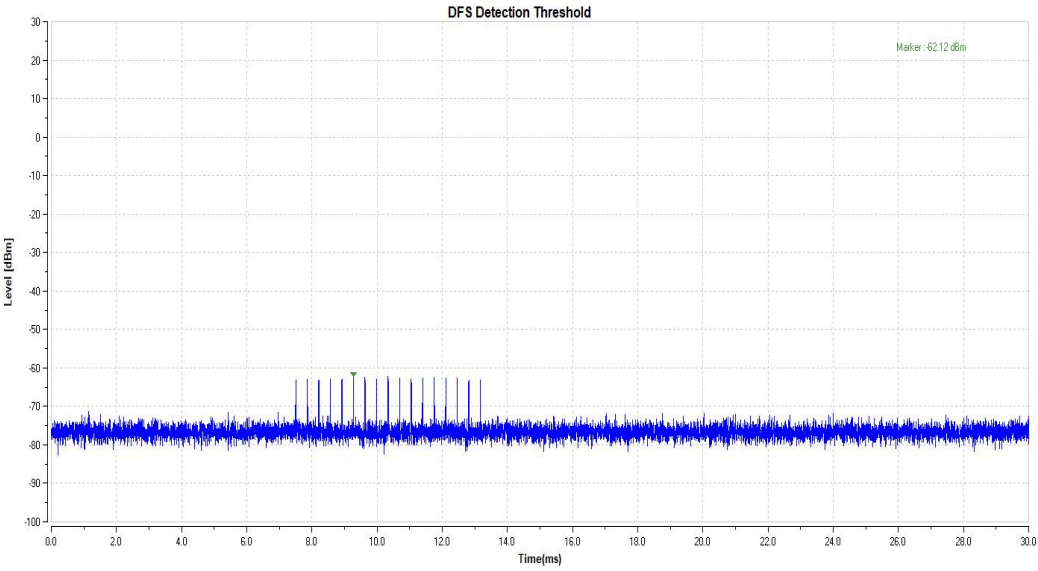
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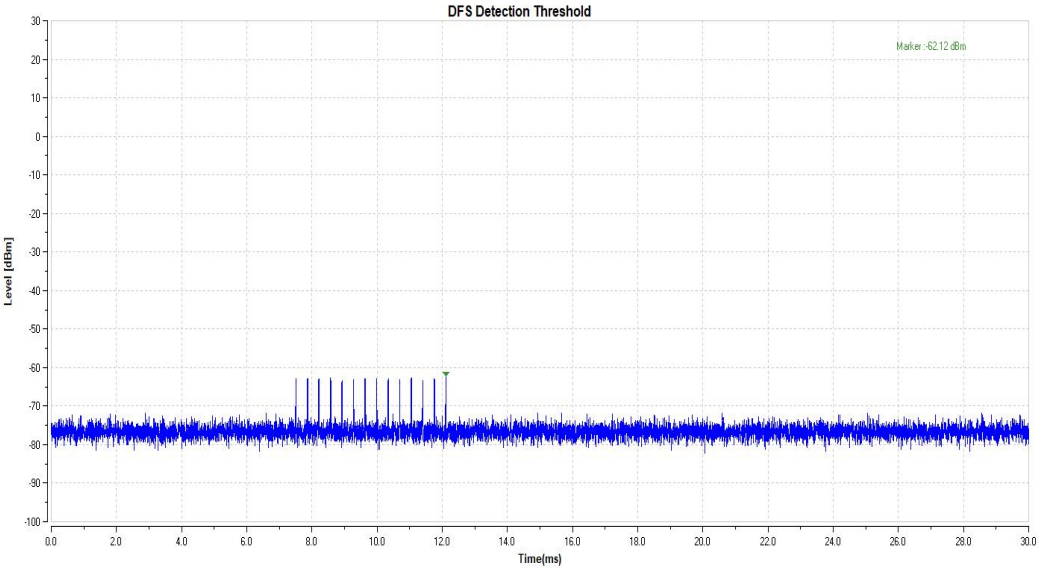
11AC40SISO_5510_Type2



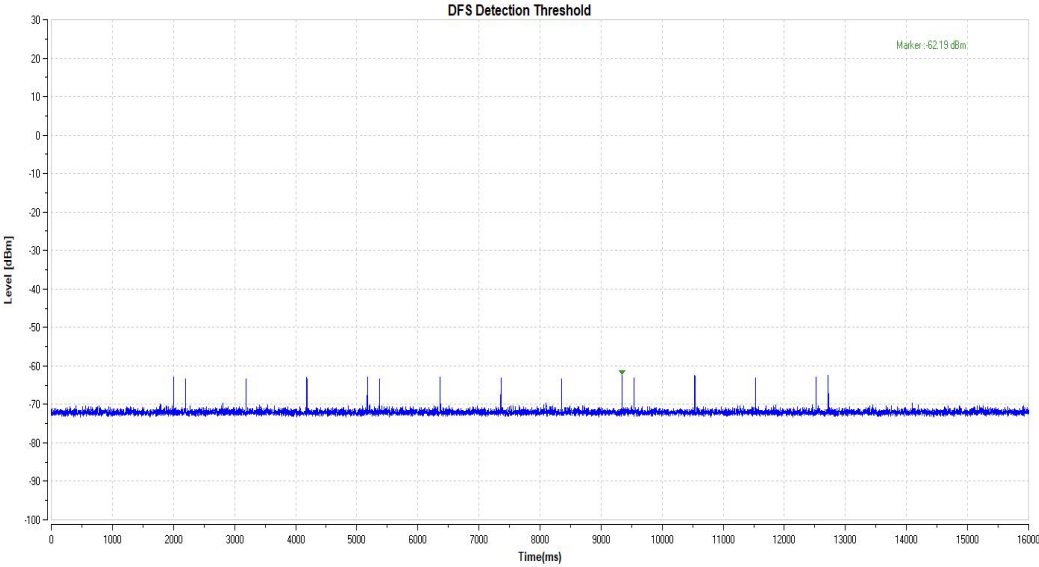
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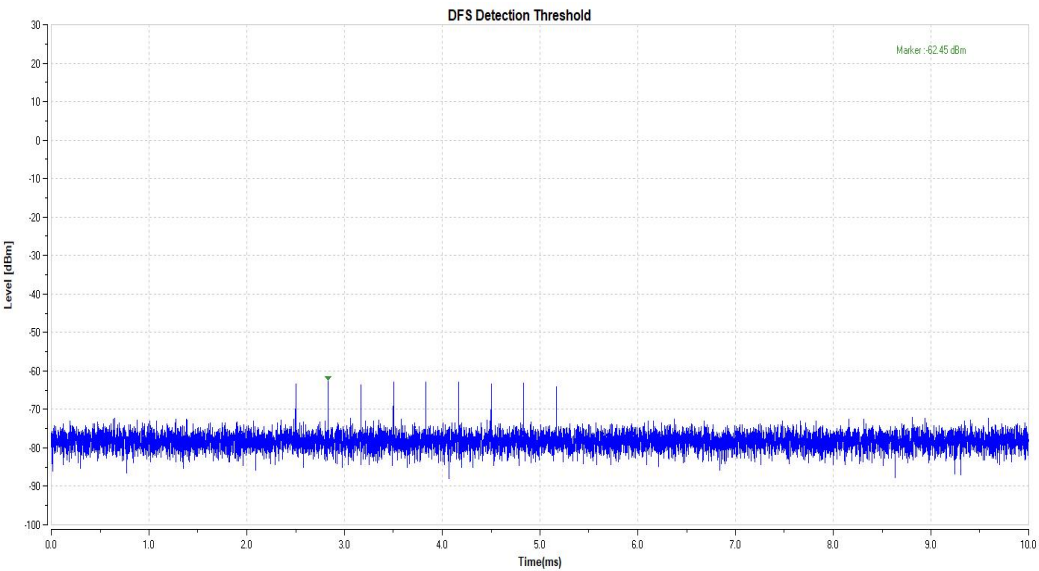
11AC40SISO_5510_Type4



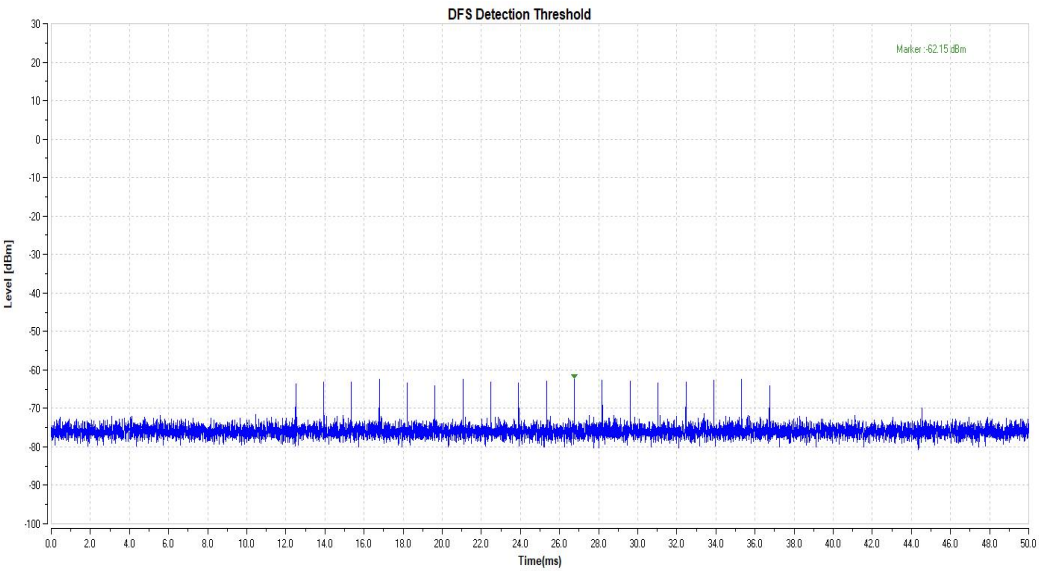
11AC40SISO_5510_Type5



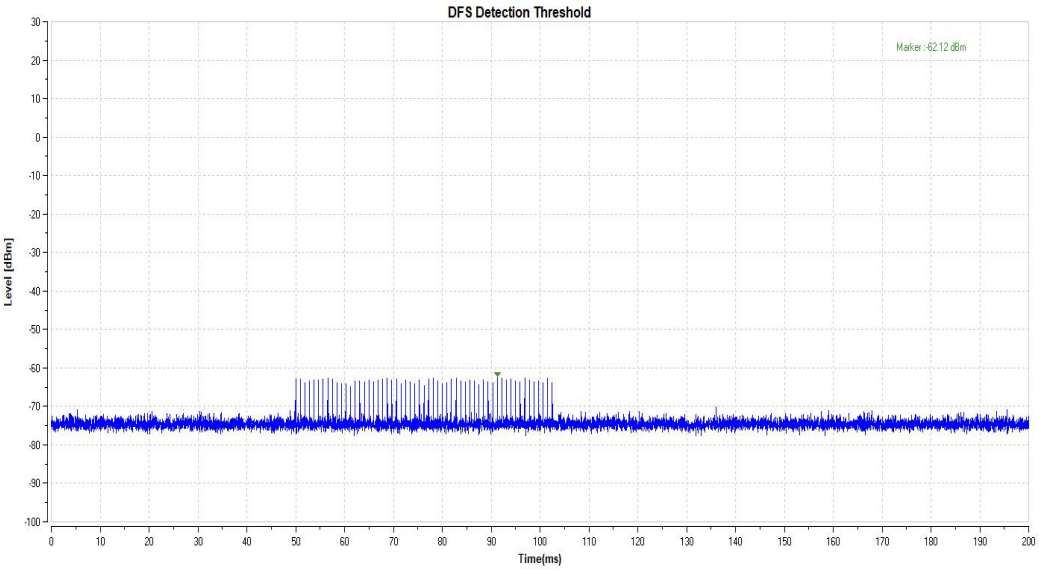
11AC40SISO_5510_Type6



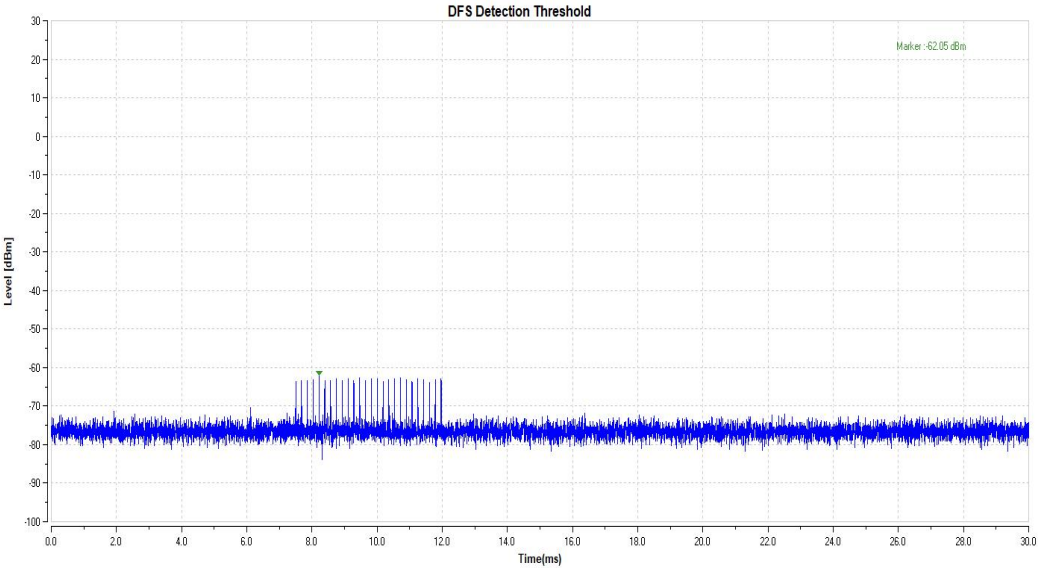
11AC80SISO_5290_Type0



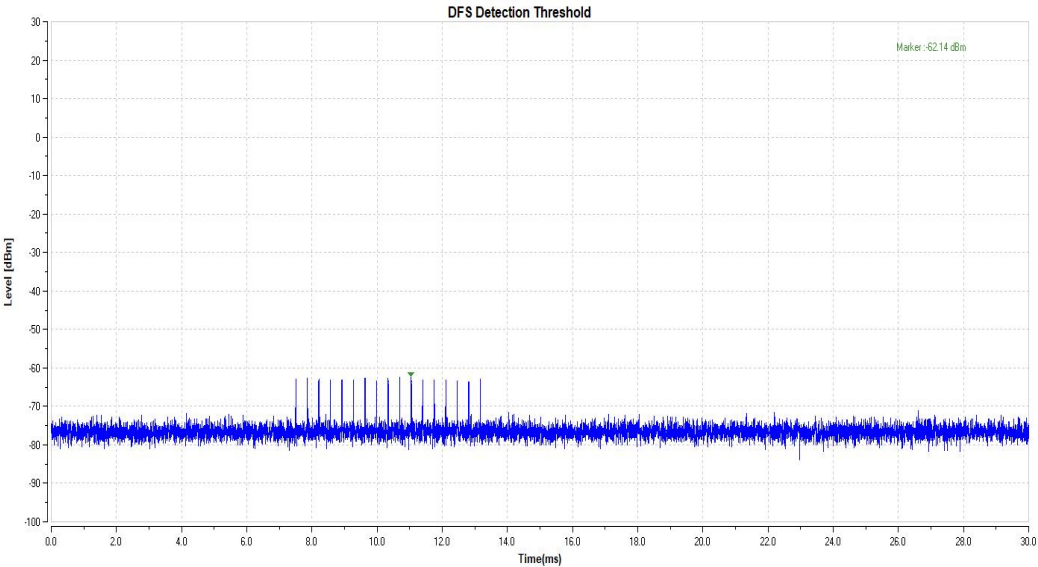
11AC80SISO_5290_Type1



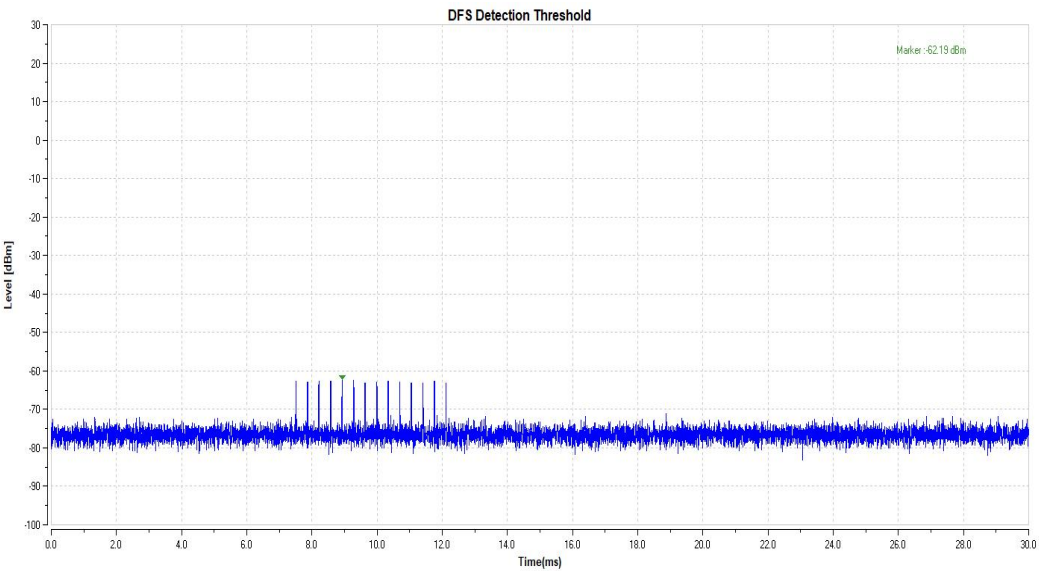
11AC80SISO_5290_Type2



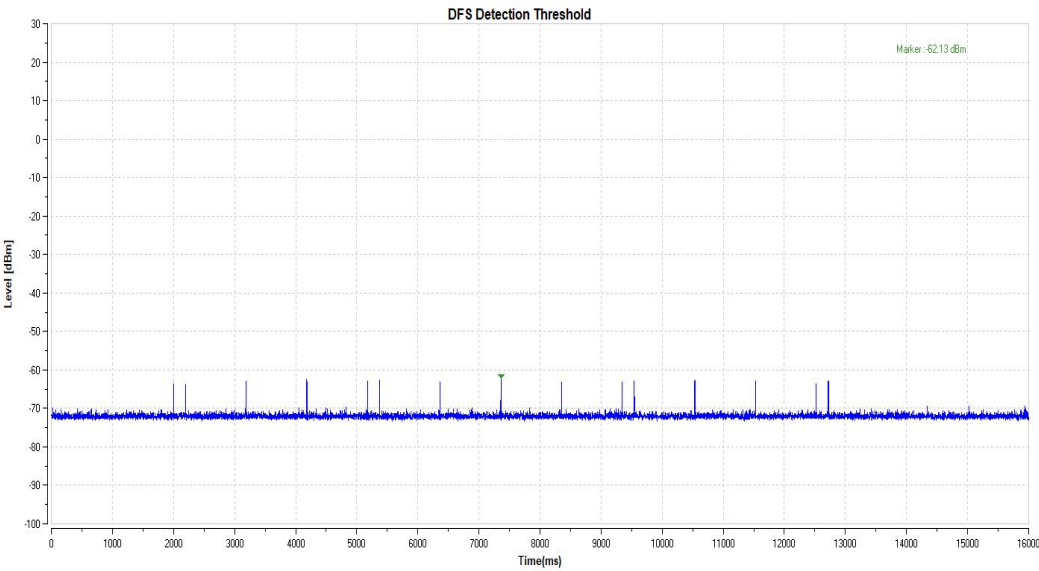
11AC80SISO_5290_Type3



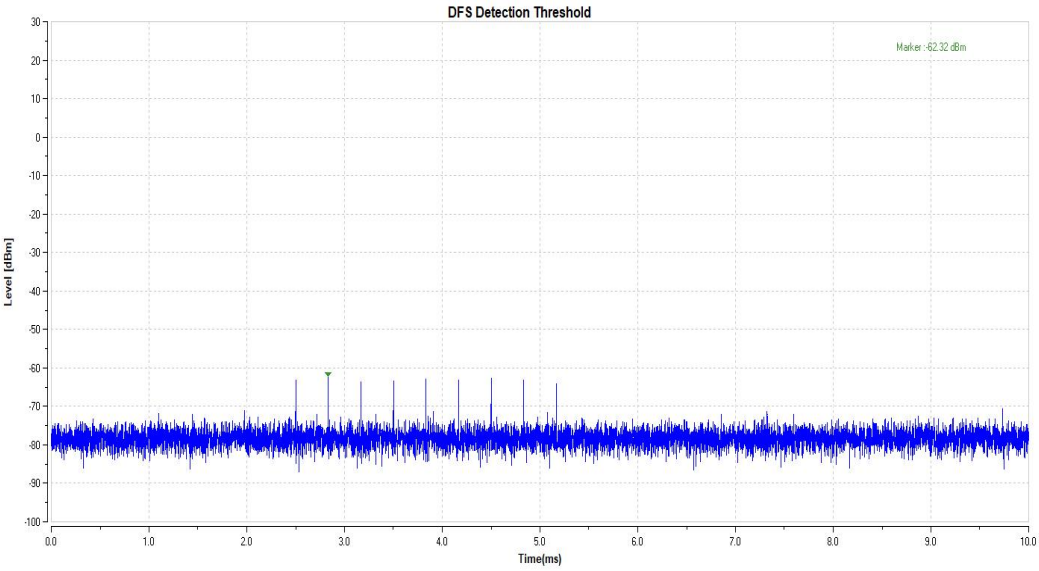
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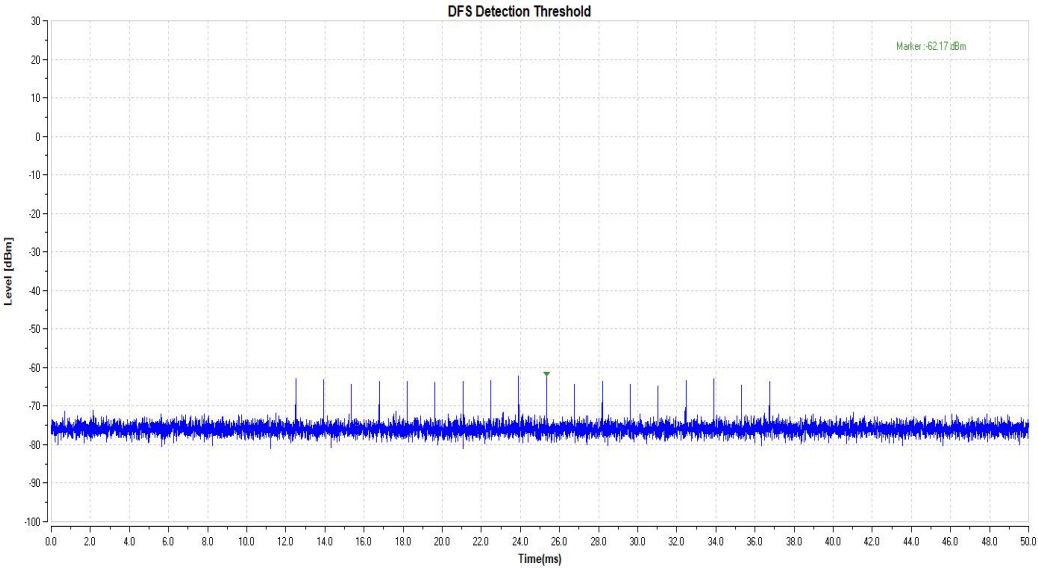
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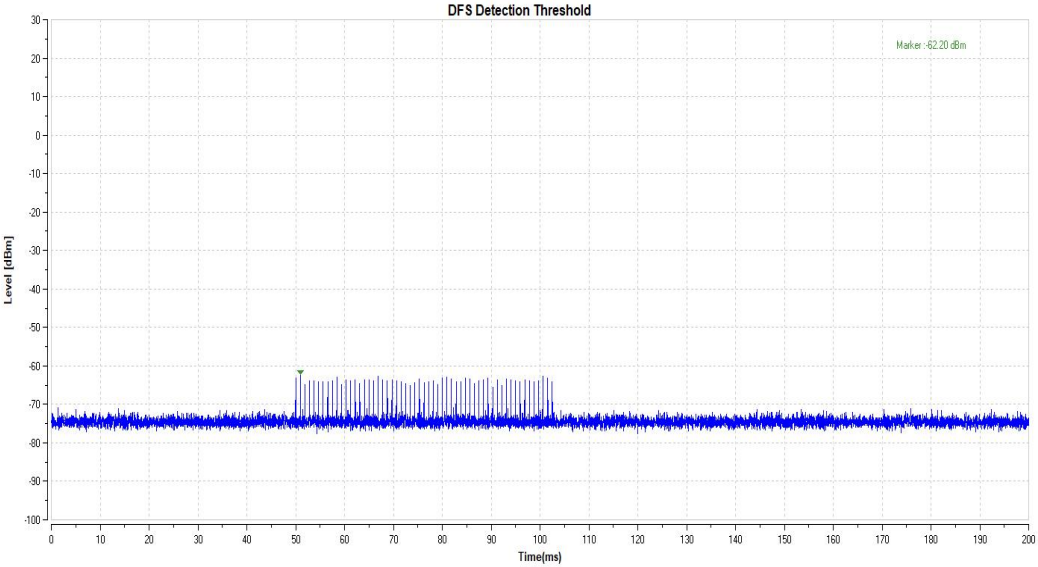
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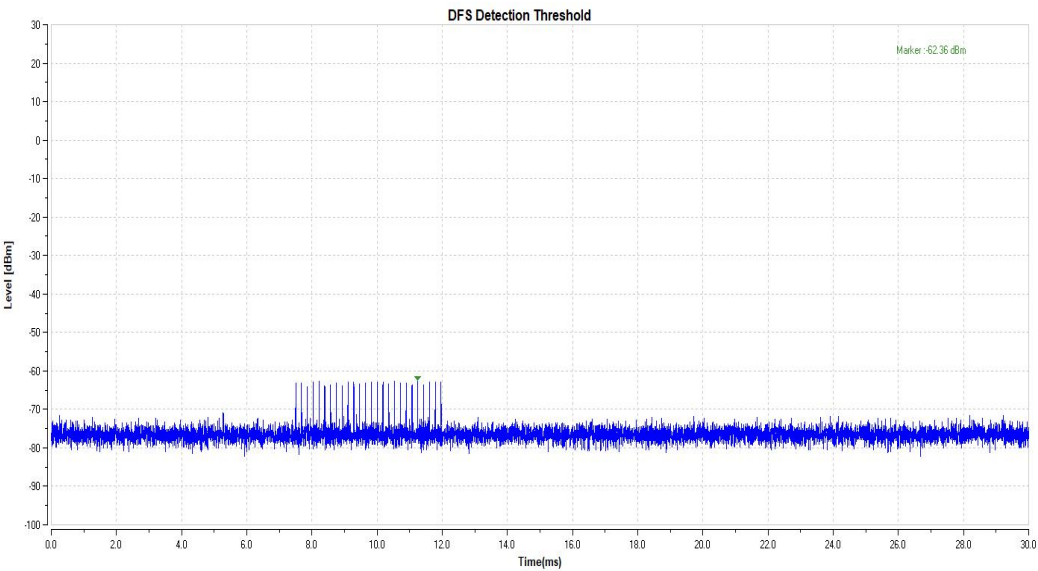
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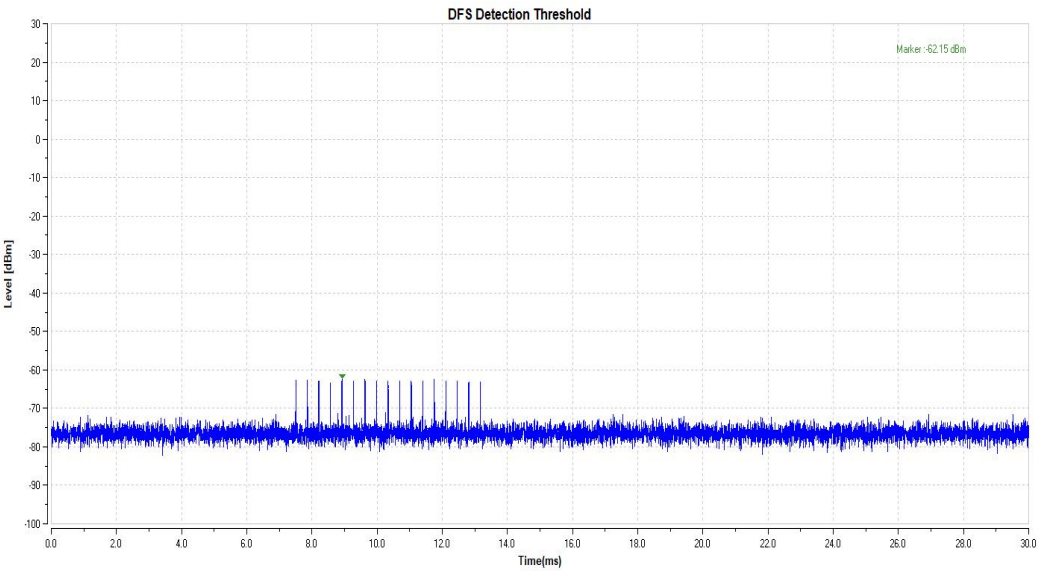
11AC80SISO_5530_Type1



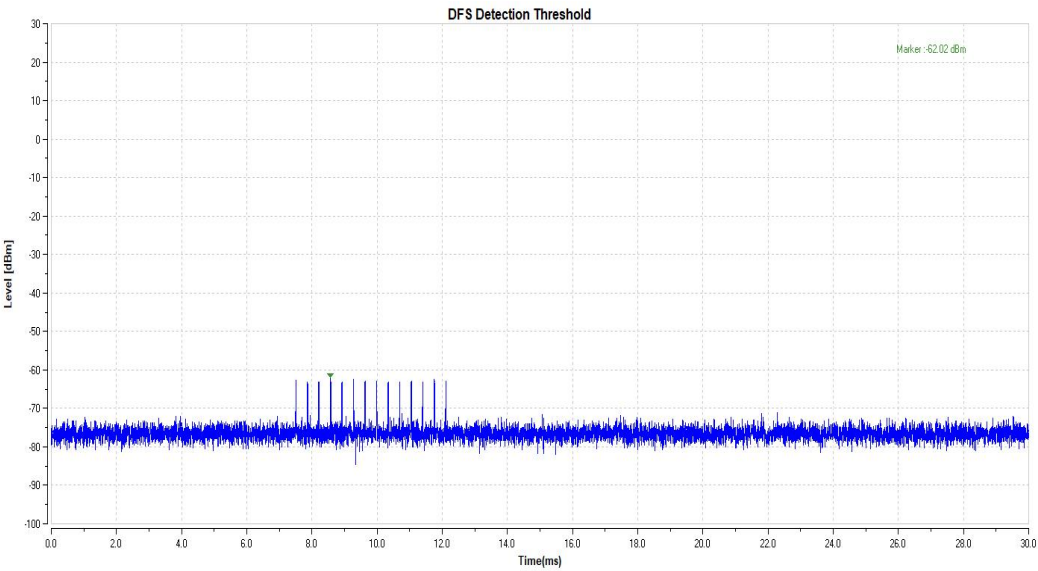
11AC80SISO_5530_Type2

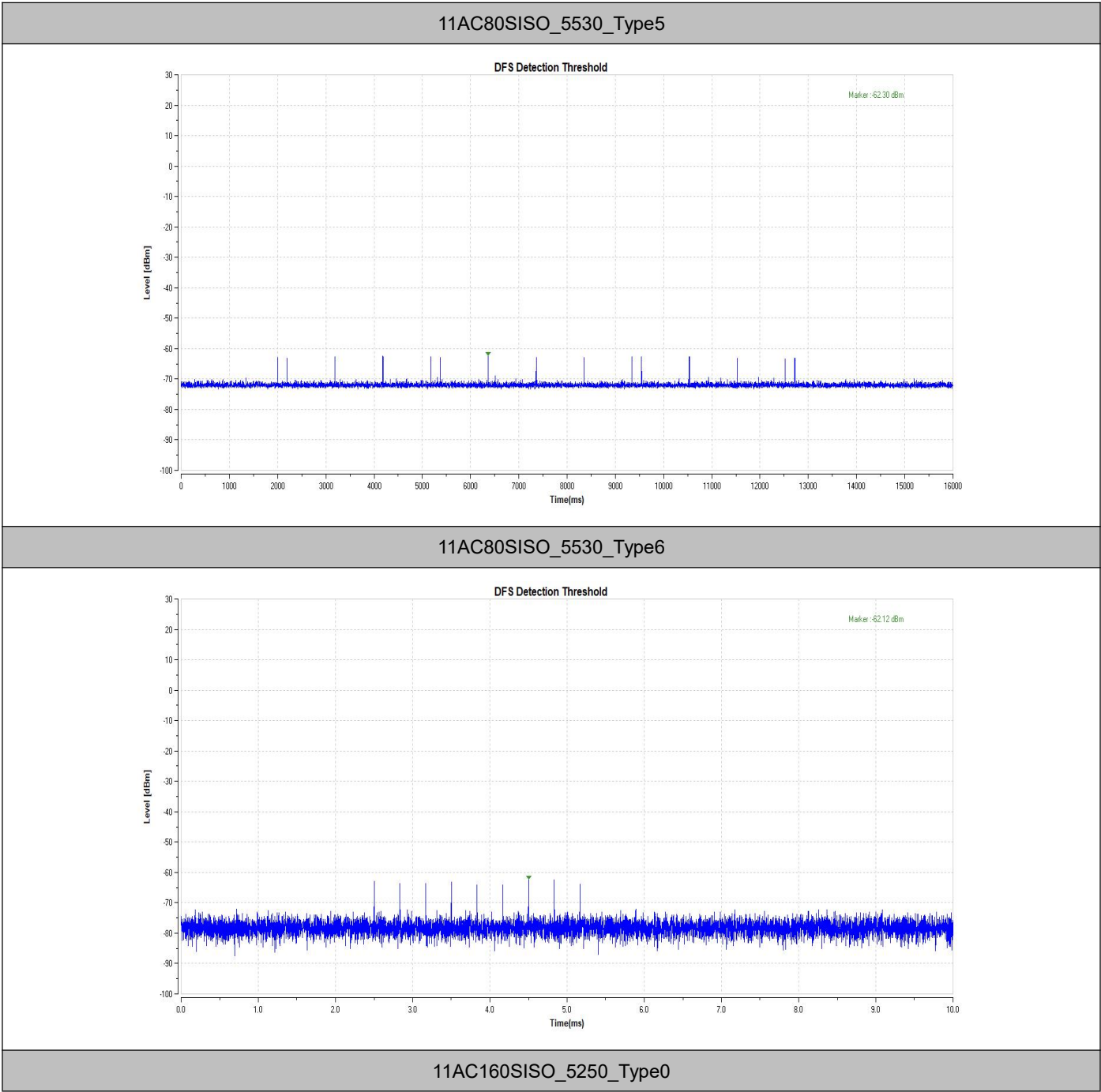


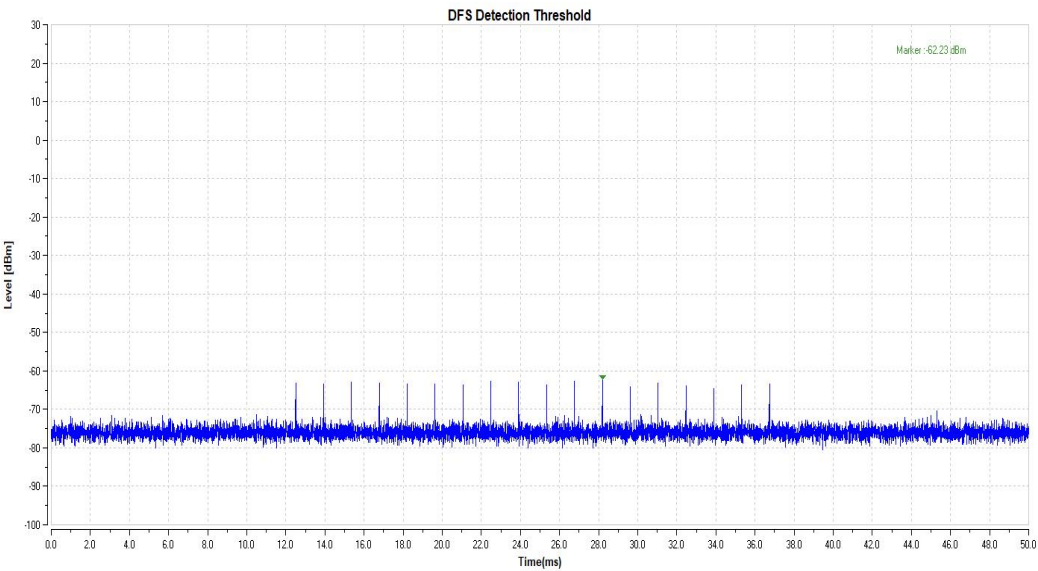
11AC80SISO_5530_Type3



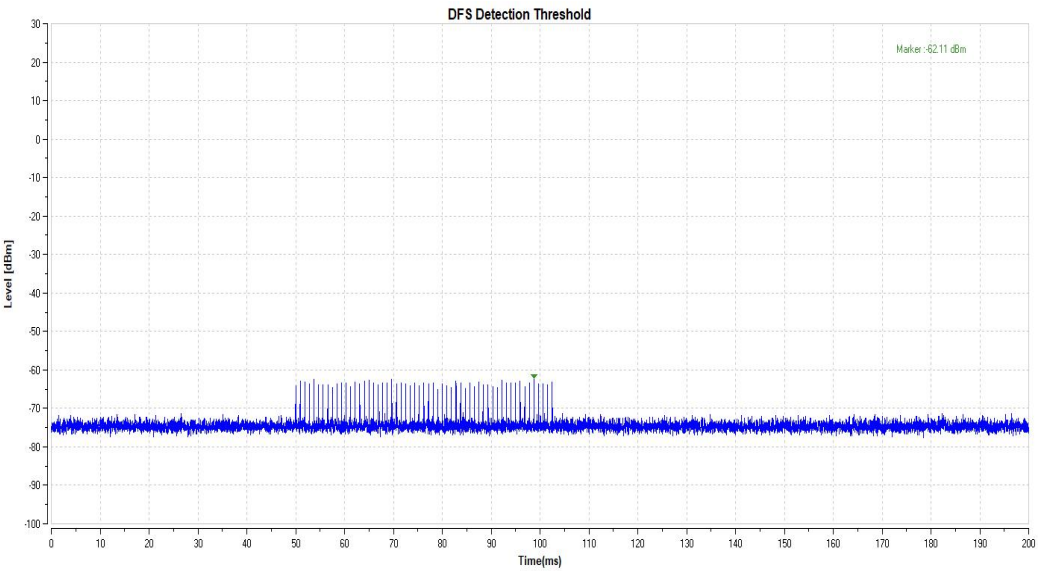
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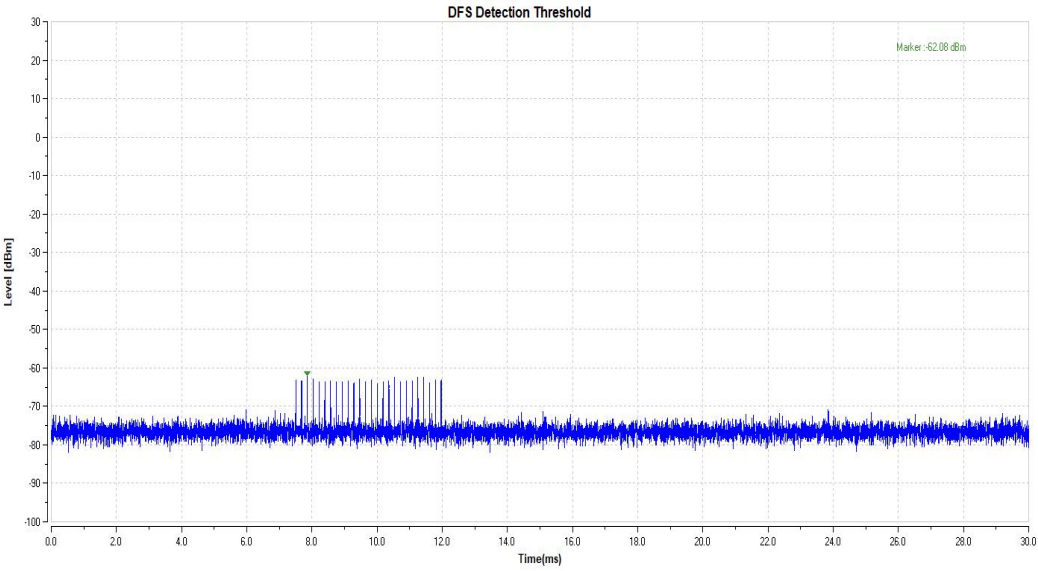




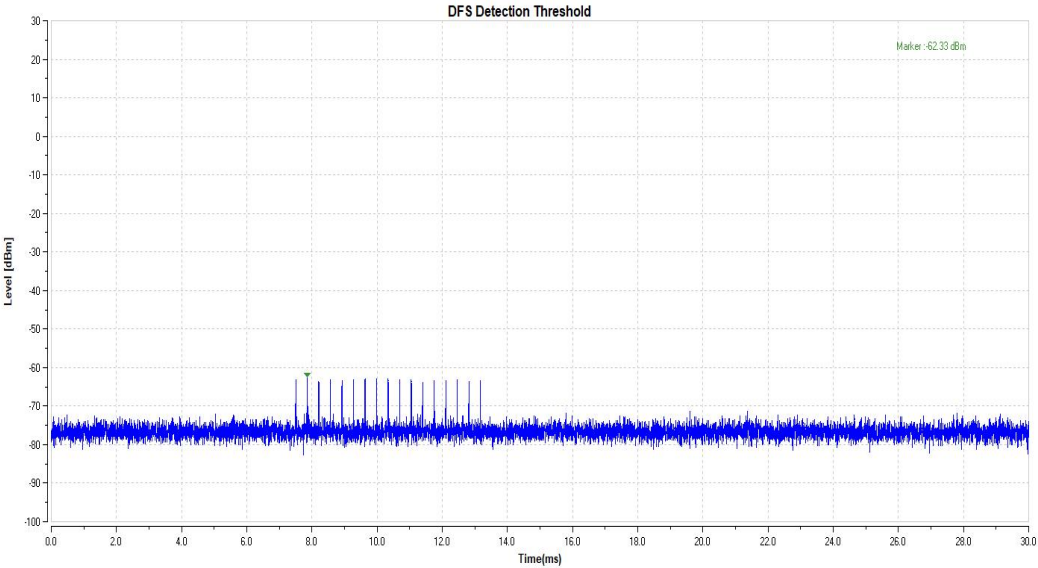
11AC160SISO_5250_Type1



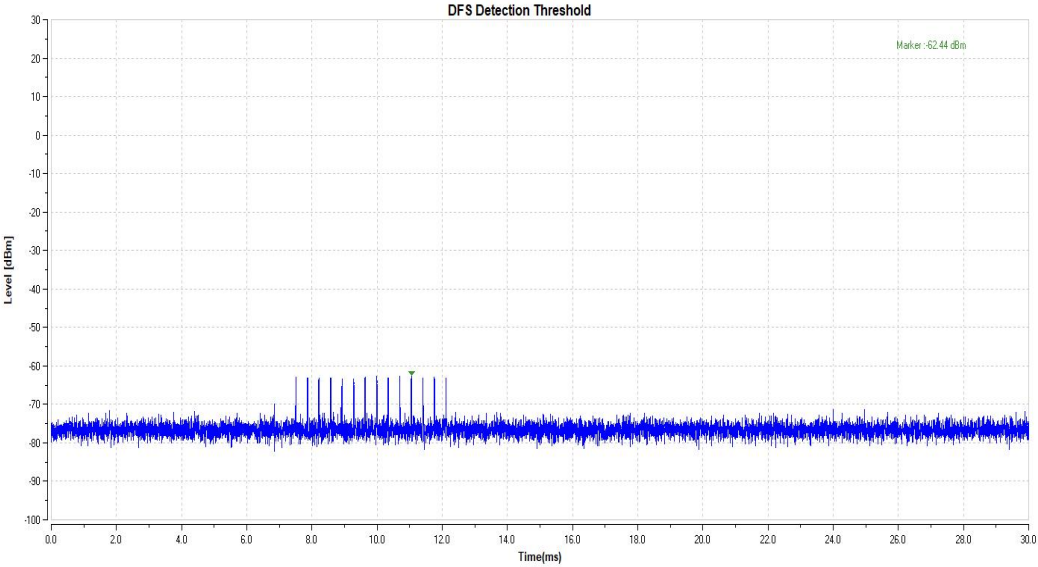
11AC160SISO_5250_Type2



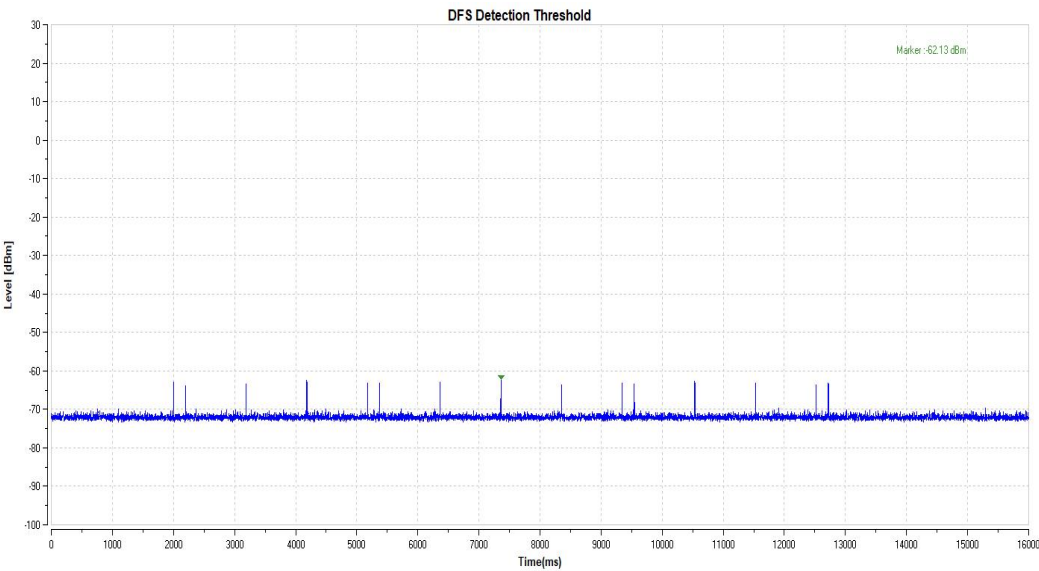
11AC160SISO_5250_Type3



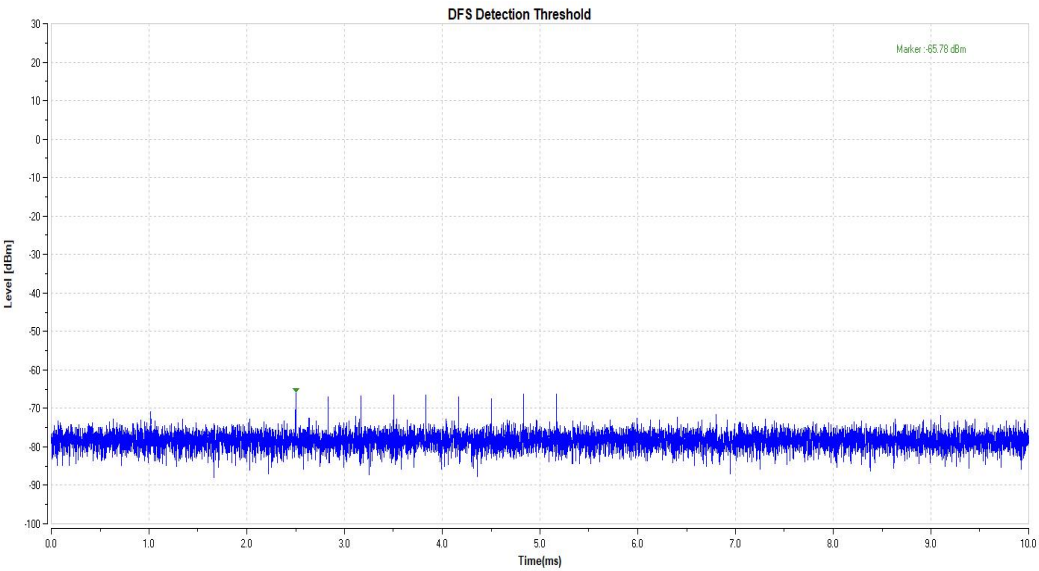
11AC160SISO_5250_Type4



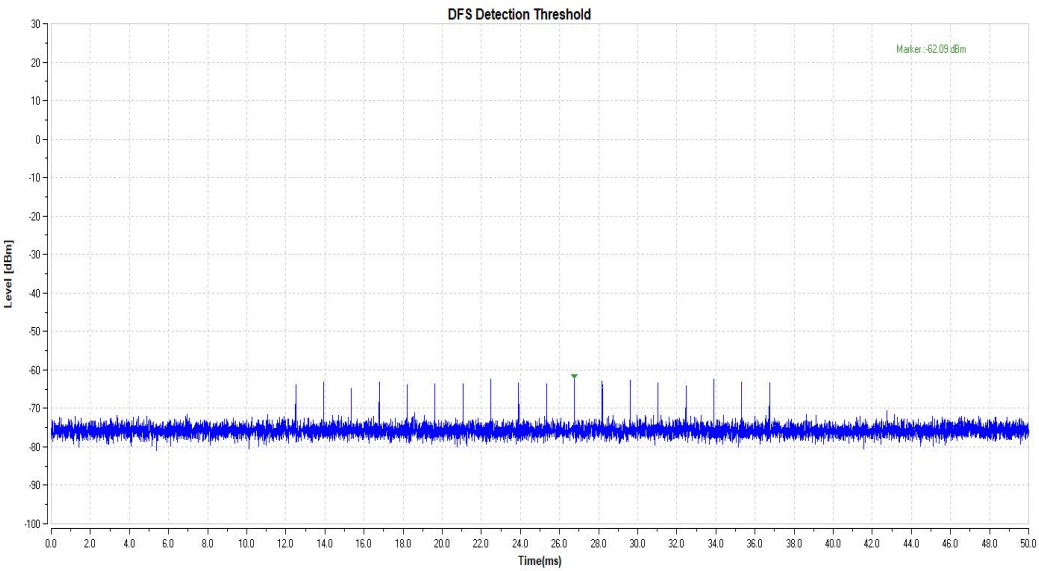
11AC160SISO_5250_Type5



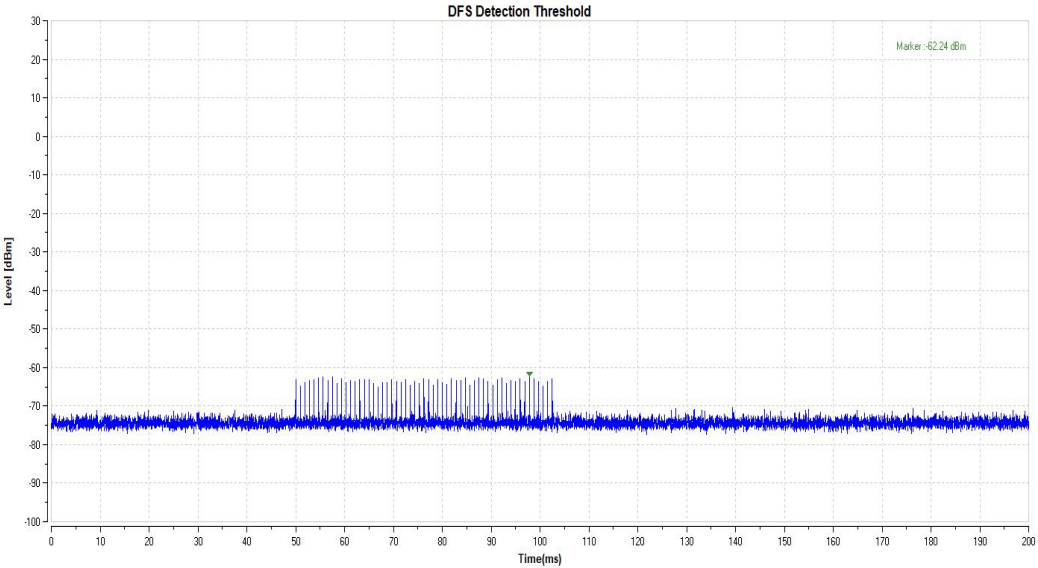
11AC160SISO_5250_Type6



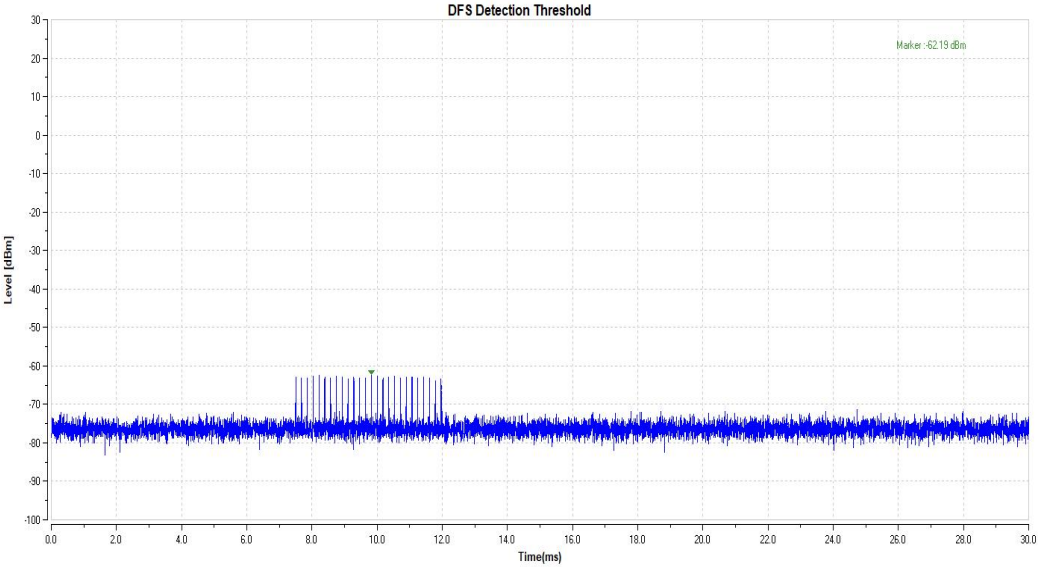
11AC160SISO_5570_Type0



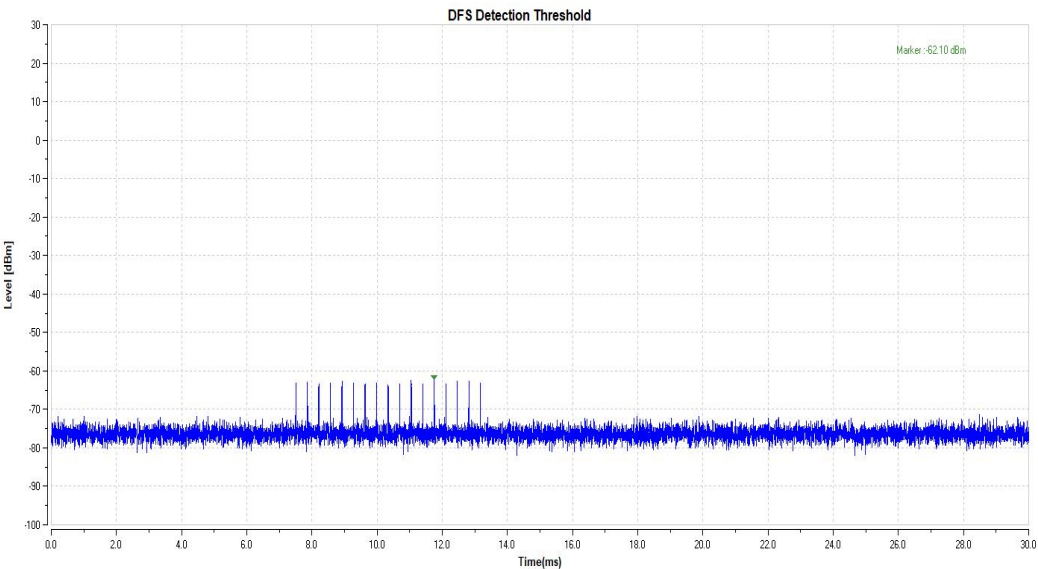
11AC160SISO_5570_Type1



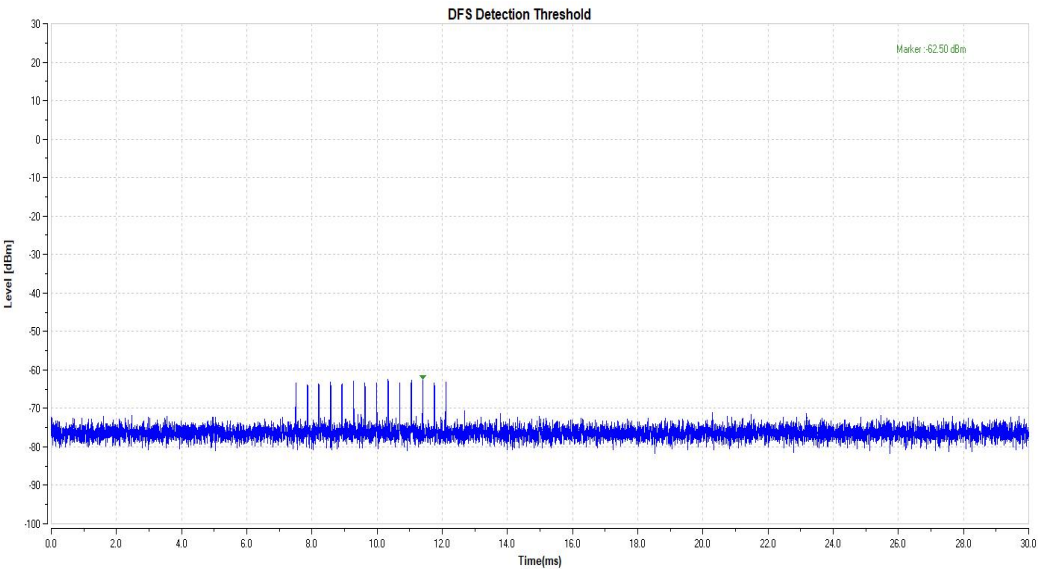
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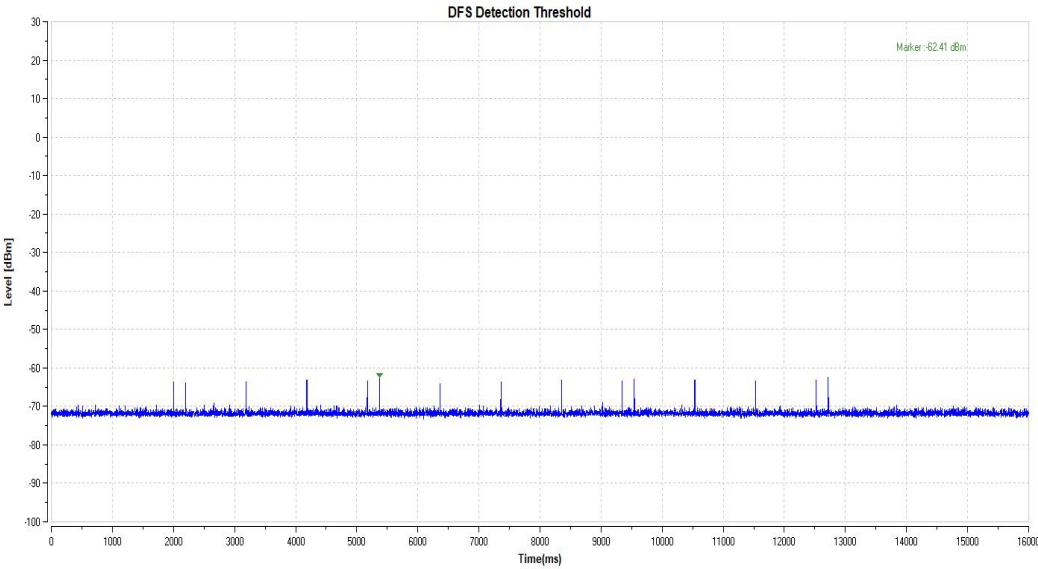
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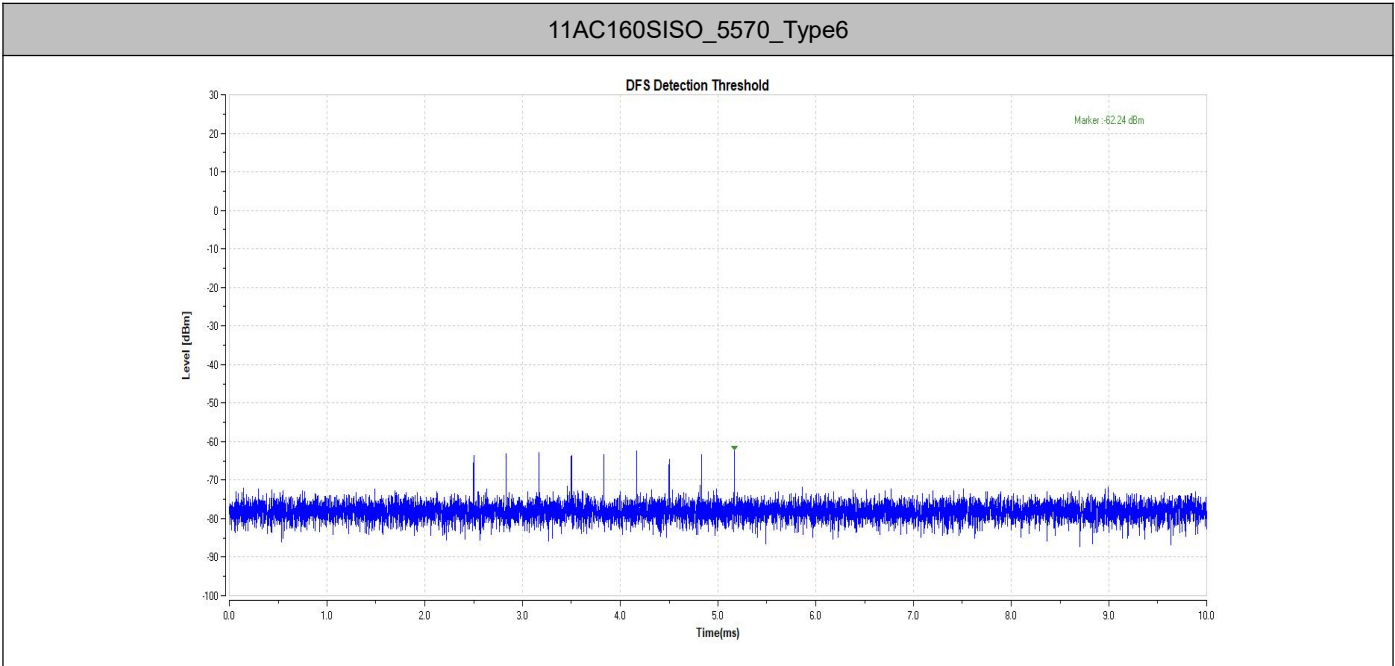


11AC160SISO_5570_Type4



11AC160SISO_5570_Type5





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	1.09091	12
3	Type 5	20	0.6	12
4	Type 5	17	0.70588	12
5	Type 5	14	0.85714	12
6	Type 5	15	0.8	12
7	Type 5	12	1	12
8	Type 5	14	0.85714	12
9	Type 5	8	1.5	12
10	Type 5	17	0.70588	12
11	Type 5	19	0.63158	12
12	Type 5	15	0.8	12
13	Type 5	12	1	12
14	Type 5	19	0.63158	12
15	Type 5	14	0.85714	12
16	Type 5	20	0.6	12
17	Type 5	12	1	12
18	Type 5	14	0.85714	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	0.85714	12
24	Type 5	13	0.92308	12
25	Type 5	8	1.5	12
26	Type 5	17	0.70588	12
27	Type 5	19	0.63158	12
28	Type 5	12	1	12
29	Type 5	18	0.66667	12

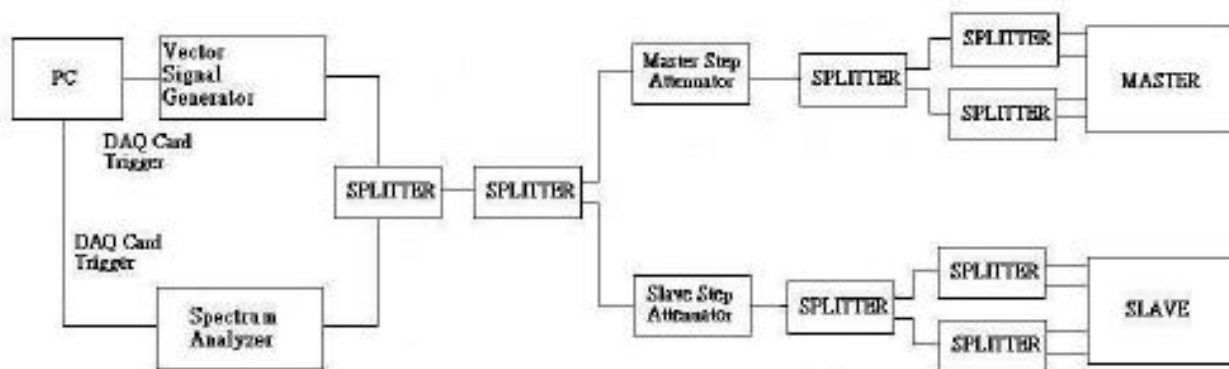
Radar Signal 6							
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number
0	Type 6	1	333.3	9	0.3333	300	32
1	Type 6	1	333.3	9	0.3333	300	27
2	Type 6	1	333.3	9	0.3333	300	25
3	Type 6	1	333.3	9	0.3333	300	33
4	Type 6	1	333.3	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

6. U-NII DFS Testing

Test Procedure

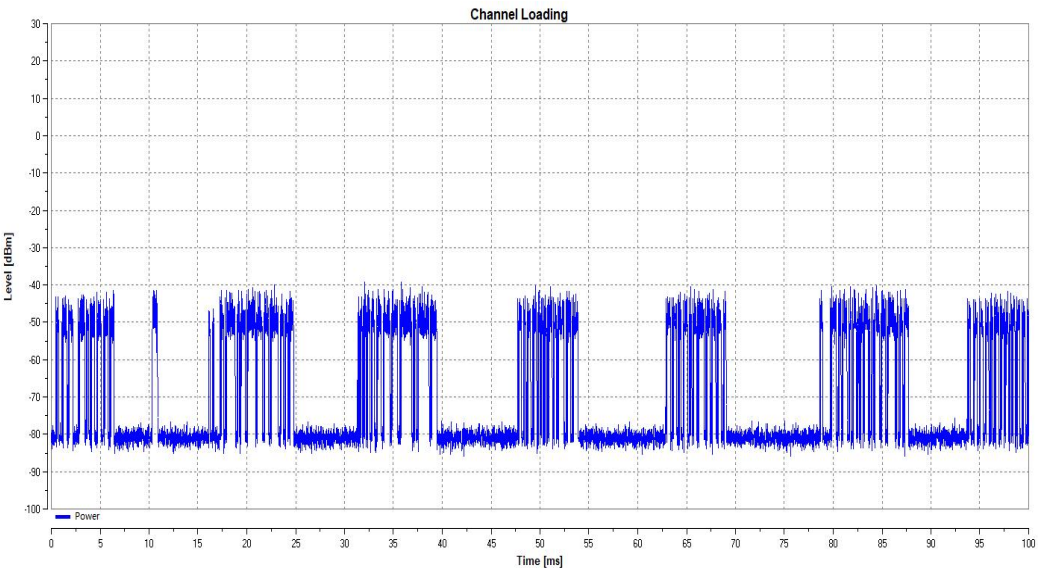
1. Master device and client device are set up by conduction method as the following configuration.
2. The client device is connected to notebook and to access a IP address on wireless connection with the master device.
3. Then the master device is connected to another notebook to access a IP address.
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:

Test Setup

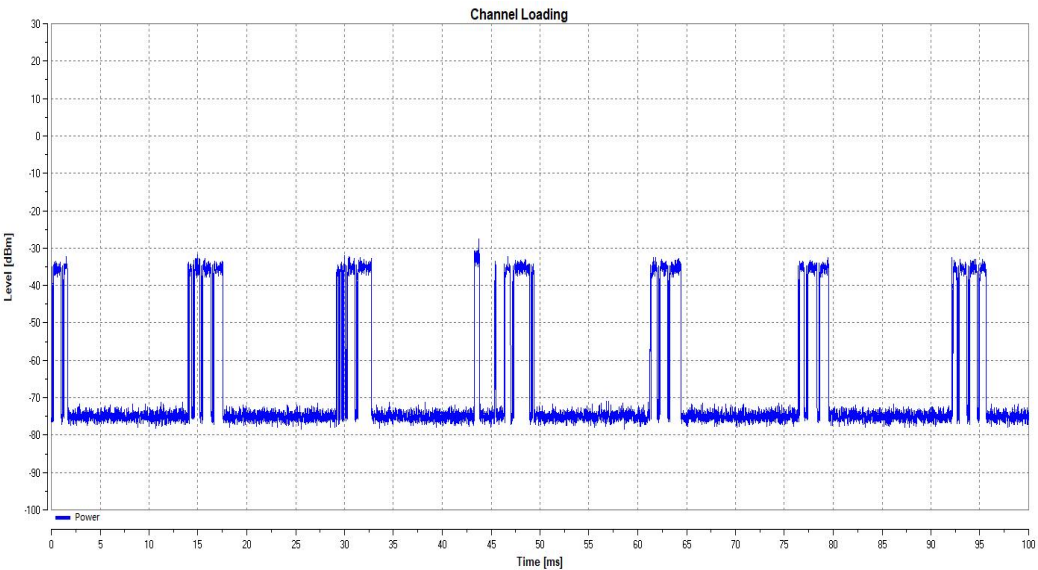


Channel Loading

TestMode	Frequency[MHz]	Result	Limit [%]	Verdict
11AC160SISO	5250	32.49	17	PASS
	5570	18.33	17	PASS



11AC160-5250



11AC160-5570

7. Testing Results

Conducted Output Power&E.I.R.P and PSD

Mode: TX (802.11ac(VHT20))						
Frequency Band (MHz)	Ant.	Max Conducted Power (dBm)	Gain (dBi)	Max E.I.R.P (dBm)	Max E.I.R.P (mW)	Max.PSD (dBm/MHz)
5260~5320	1	11.63	5.14	16.77	47.5335	1.57
	2	11.87	5.07	16.94	49.4311	1.30
Mode: TX (802.11ac(VHT40))						
Frequency Band (MHz)	Ant.	Max Conducted Power (dBm)	Gain (dBi)	Max E.I.R.P (dBm)	Max E.I.R.P (mW)	Max.PSD (dBm/MHz)
5260~5320	1	11.83	5.14	16.97	49.7737	-0.44
	2	11.80	5.07	16.87	48.6407	-2.03
Mode: TX (802.11ac(VHT80))						
Frequency Band (MHz)	Ant.	Max Conducted Power (dBm)	Gain (dBi)	Max E.I.R.P (dBm)	Max E.I.R.P (mW)	Max.PSD (dBm/MHz)
5260~5320	1	11.78	5.14	16.92	49.2040	-3.33
	2	11.38	5.07	16.45	44.1570	-3.97
Mode: TX (802.11ac(VHT160))						
Frequency Band (MHz)	Ant.	Max Conducted Power (dBm)	Gain (dBi)	Max E.I.R.P (dBm)	Max E.I.R.P (mW)	Max.PSD (dBm/MHz)
5260~5320	1	11.85	5.14	16.99	50.0035	-3.88
	2	11.46	5.07	16.53	44.9780	-5.58

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

Test Mode	Frequency[MHz]	Result	Verdict
11AC160	5250	See test Graph	PASS
	5570	See test Graph	PASS