

TEST REPORT

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Date: 2020-1-19

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4.1.6 Undesirable Emission

RESULT:

PASS

Test standard : FCC Part 15.407(b), 15.209
RSS-247 6.2
Requirement : ANSI C63.10-2013, KDB 789033
Kind of test site : Shielded room

Test setup

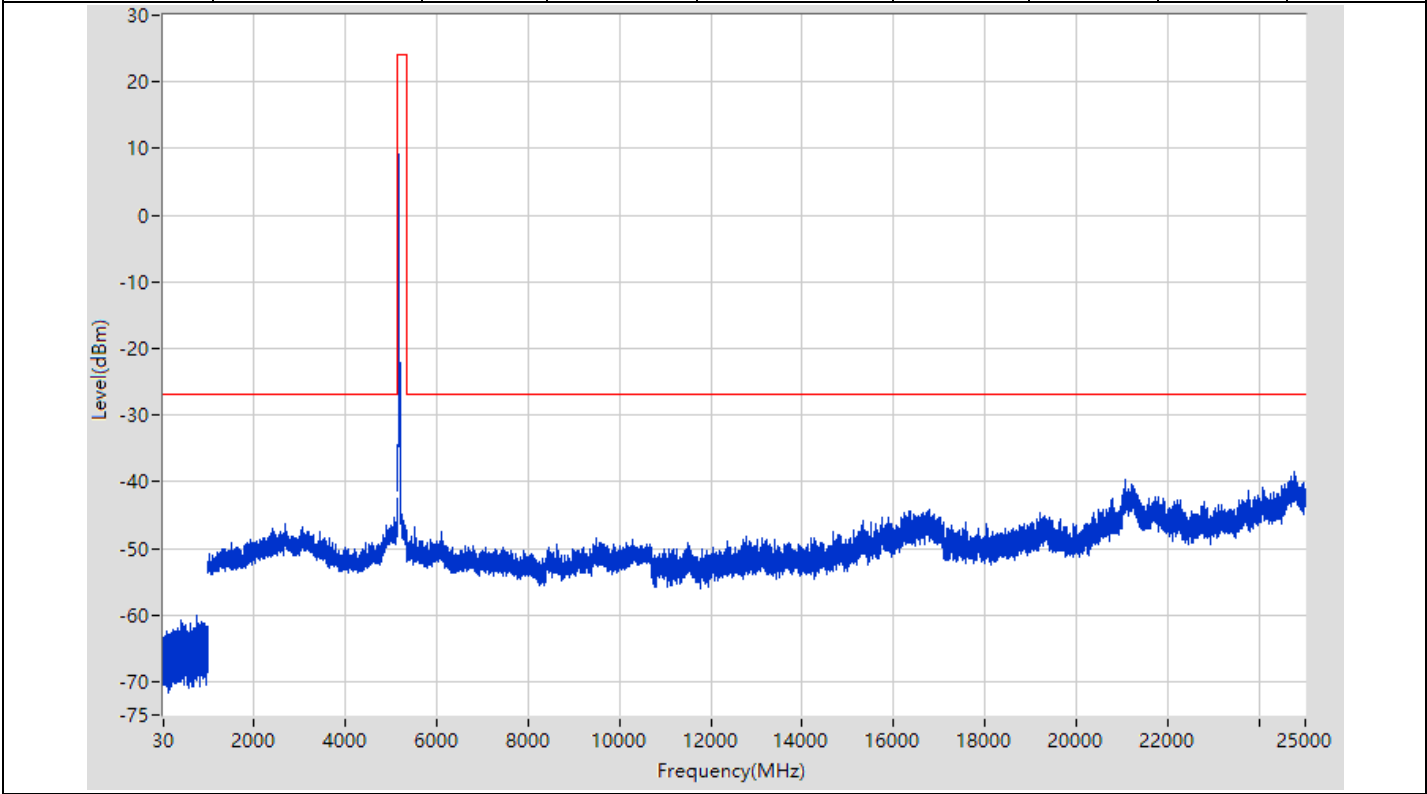
Test Channel : Low/Middle/High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%

For details refer to following test plot.

TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5180MHz

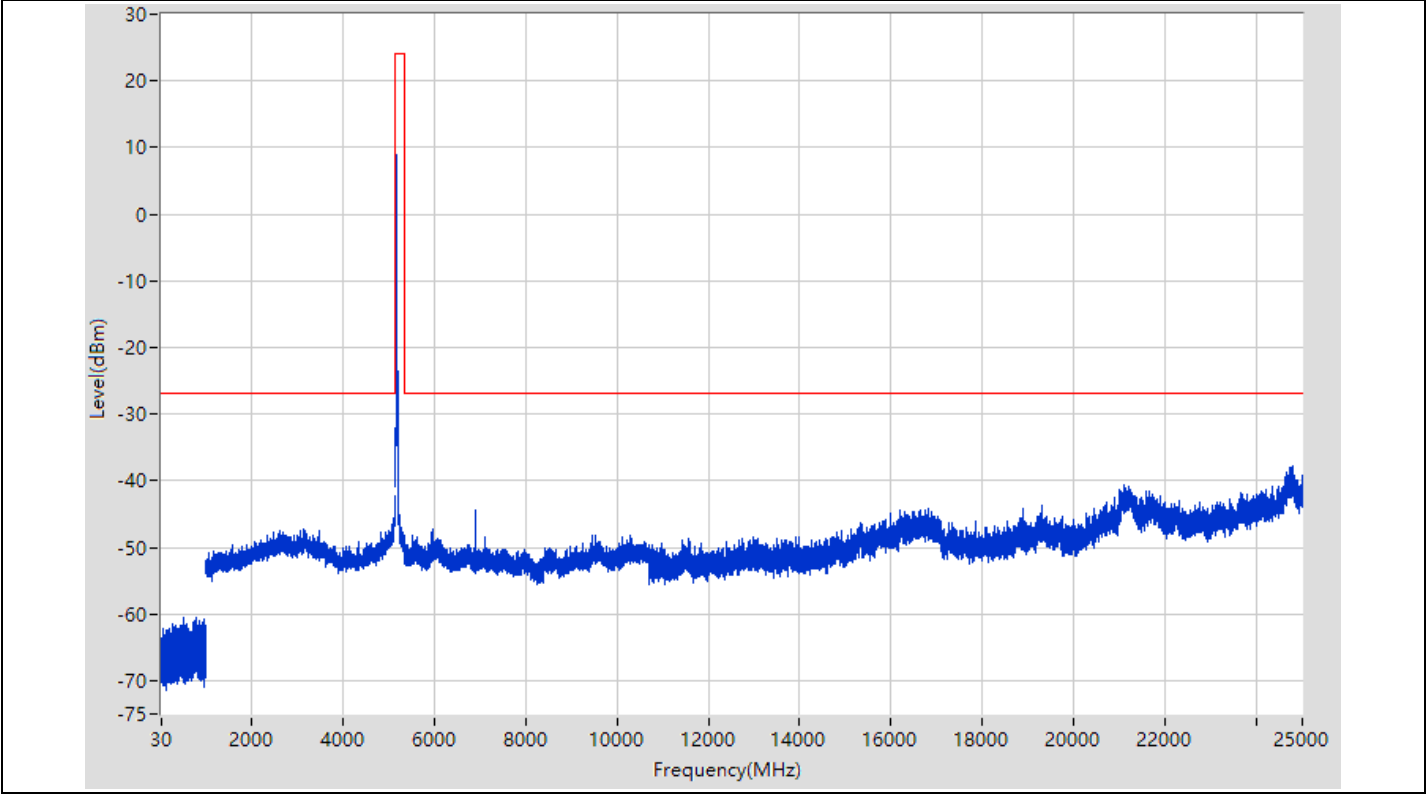
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	755.475	-60.05	-27	Pass	9700
1000	5150	1	Peak	5150	-42.62	-27	Pass	4150
5150	5350	1	Peak	5185.667	9.26	24	Pass	601
5350	10300	1	Peak	5526.036	-46.85	-27	Pass	4950
10300	10700	1	Peak	10588.667	-49.47	-27	Pass	601
10700	25000	1	Peak	24756.983	-38.51	-27	Pass	14300



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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	524.851	-60.52	-27	Pass	9700
1000	5150	1	Peak	5149	-42.22	-27	Pass	4150
5150	5350	1	Peak	5176.667	8.97	24	Pass	601
5350	10300	1	Peak	6906.314	-44.34	-27	Pass	4950
10300	10700	1	Peak	10313.333	-48.78	-27	Pass	601
10700	25000	1	Peak	24782.985	-37.78	-27	Pass	14300



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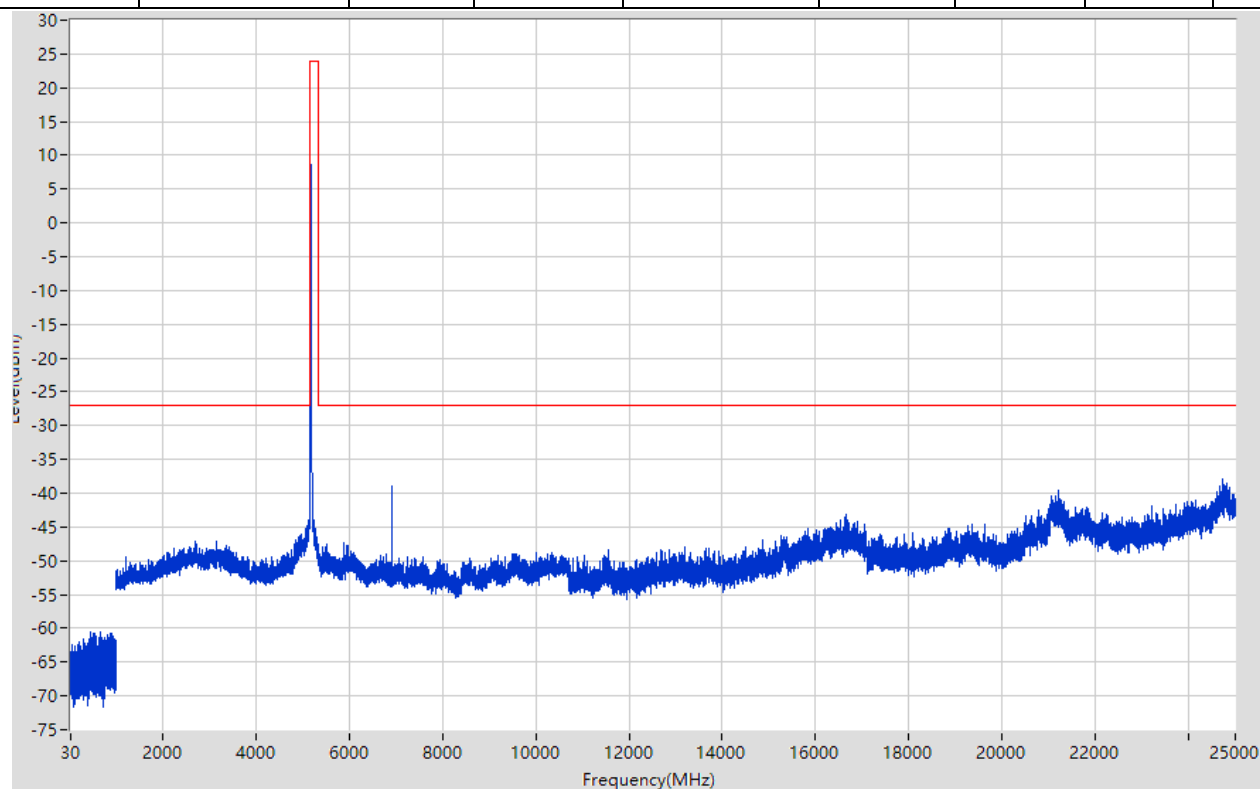
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	456.444	-60.52	-27	Pass	9700
1000	5150	1	Peak	5148	-42.4	-27	Pass	4150
5150	5350	1	Peak	5185.333	8.64	24	Pass	601
5350	10300	1	Peak	6906.314	-39.04	-27	Pass	4950
10300	10700	1	Peak	10352.667	-48.87	-27	Pass	601
10700	25000	1	Peak	24716.98	-37.99	-27	Pass	14300



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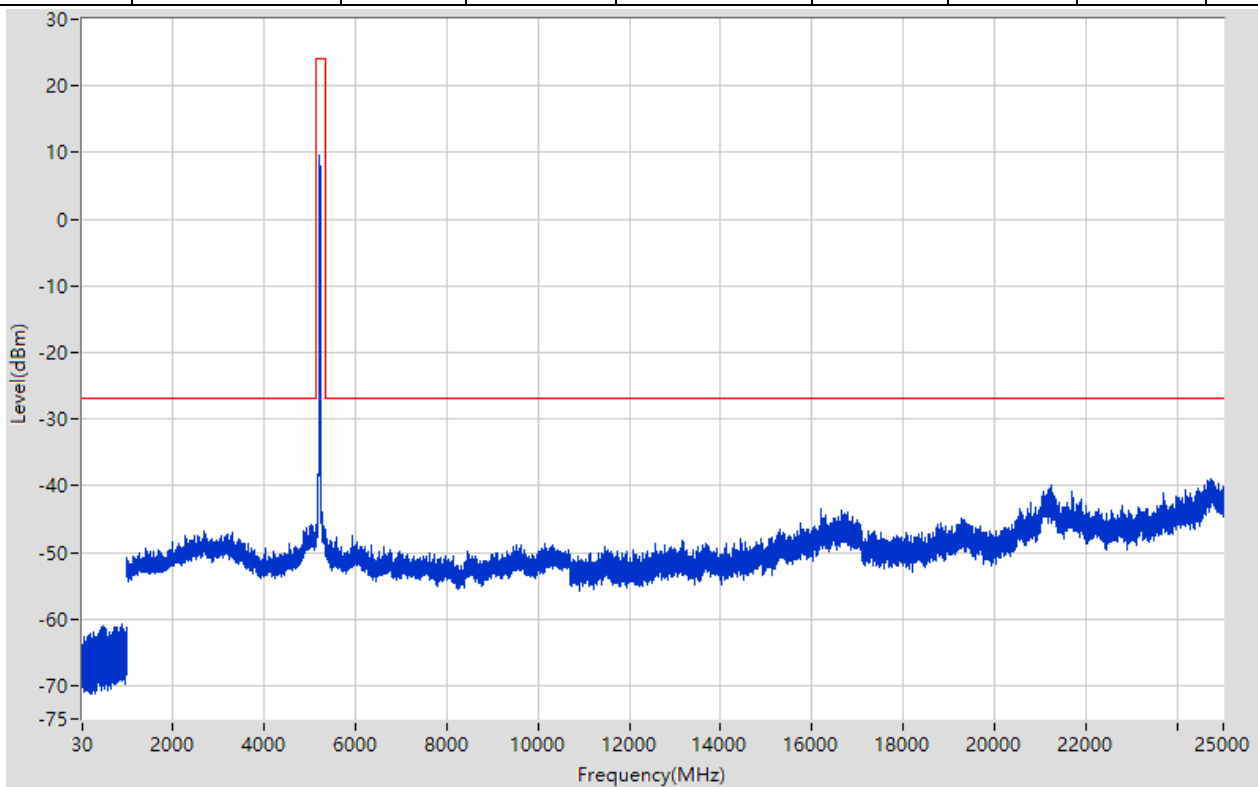
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5220MHz

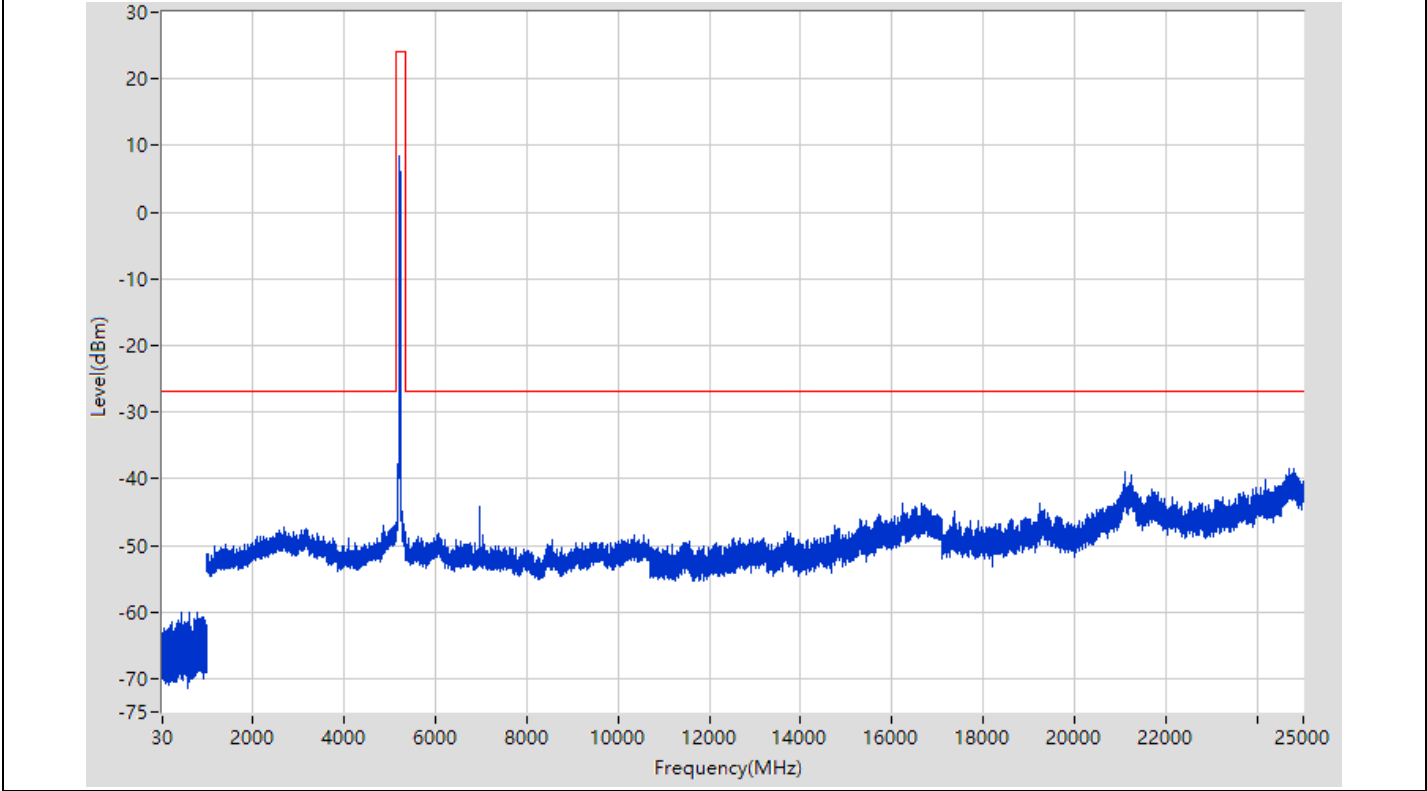
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	891.789	-60.89	-27	Pass	9700
1000	5150	1	Peak	5128.995	-45.92	-27	Pass	4150
5150	5350	1	Peak	5225.333	9.63	24	Pass	601
5350	10300	1	Peak	5925.116	-47.48	-27	Pass	4950
10300	10700	1	Peak	10338.667	-48.84	-27	Pass	601
10700	25000	1	Peak	24713.98	-39	-27	Pass	14300



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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5220MHz

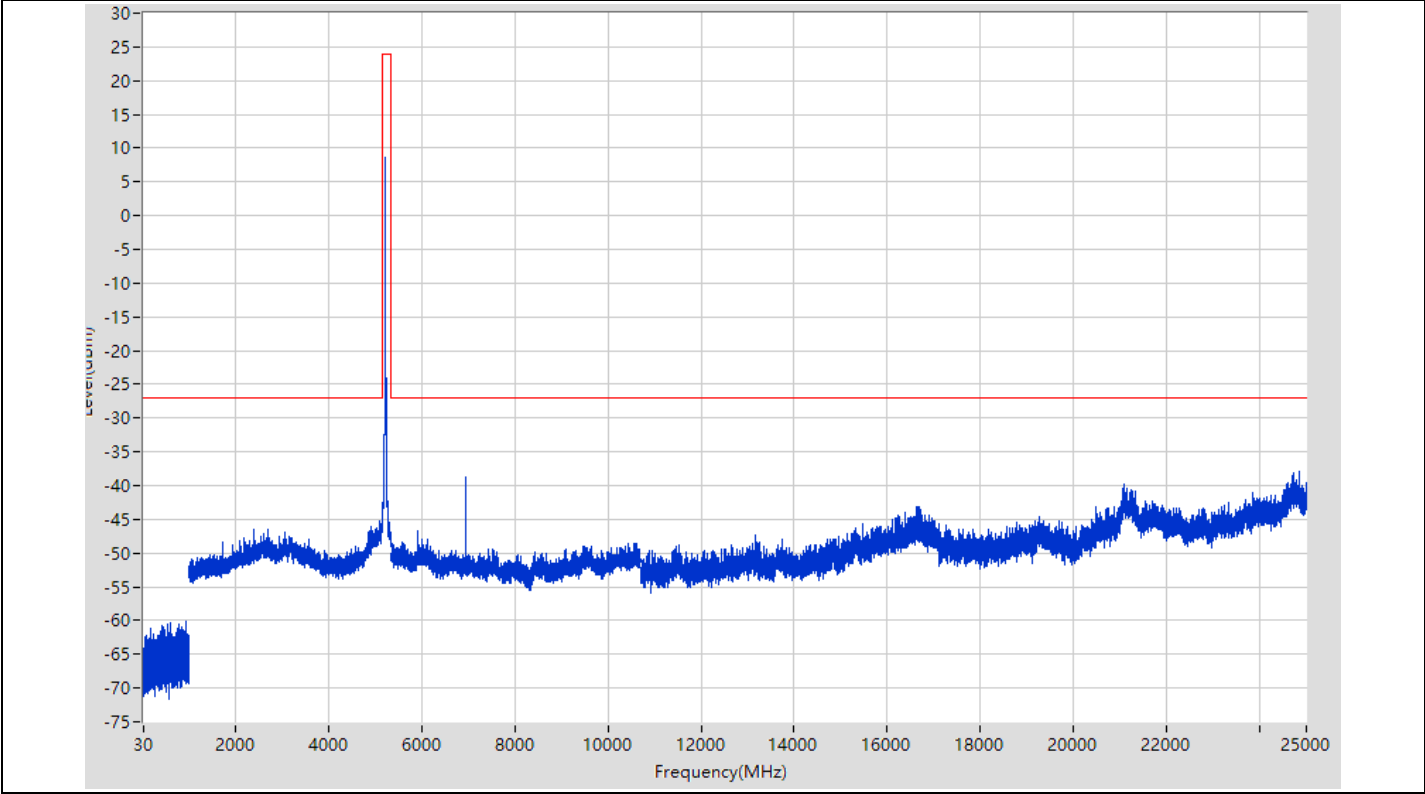
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	436.642	-60.08	-27	Pass	9700
1000	5150	1	Peak	5145.999	-46.55	-27	Pass	4150
5150	5350	1	Peak	5216.667	8.55	24	Pass	601
5350	10300	1	Peak	6960.325	-44.1	-27	Pass	4950
10300	10700	1	Peak	10370.667	-48.42	-27	Pass	601
10700	25000	1	Peak	24808.987	-38.38	-27	Pass	14300



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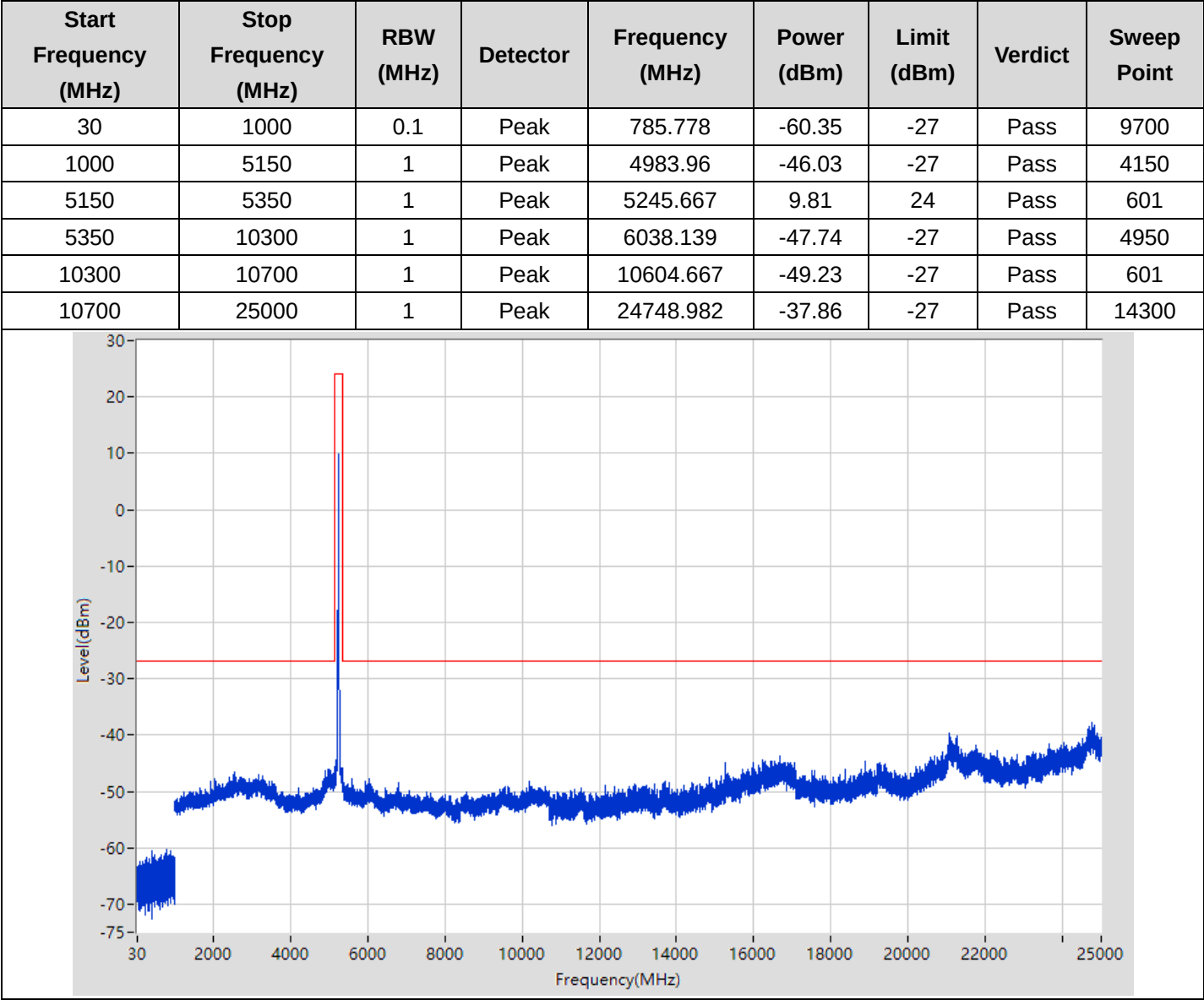
Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5220MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	930.393	-60.11	-27	Pass	9700
1000	5150	1	Peak	5085.985	-45.22	-27	Pass	4150
5150	5350	1	Peak	5225.667	8.61	24	Pass	601
5350	10300	1	Peak	6960.325	-38.81	-27	Pass	4950
10300	10700	1	Peak	10546	-48.52	-27	Pass	601
10700	25000	1	Peak	24841.989	-37.92	-27	Pass	14300



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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5240MHz



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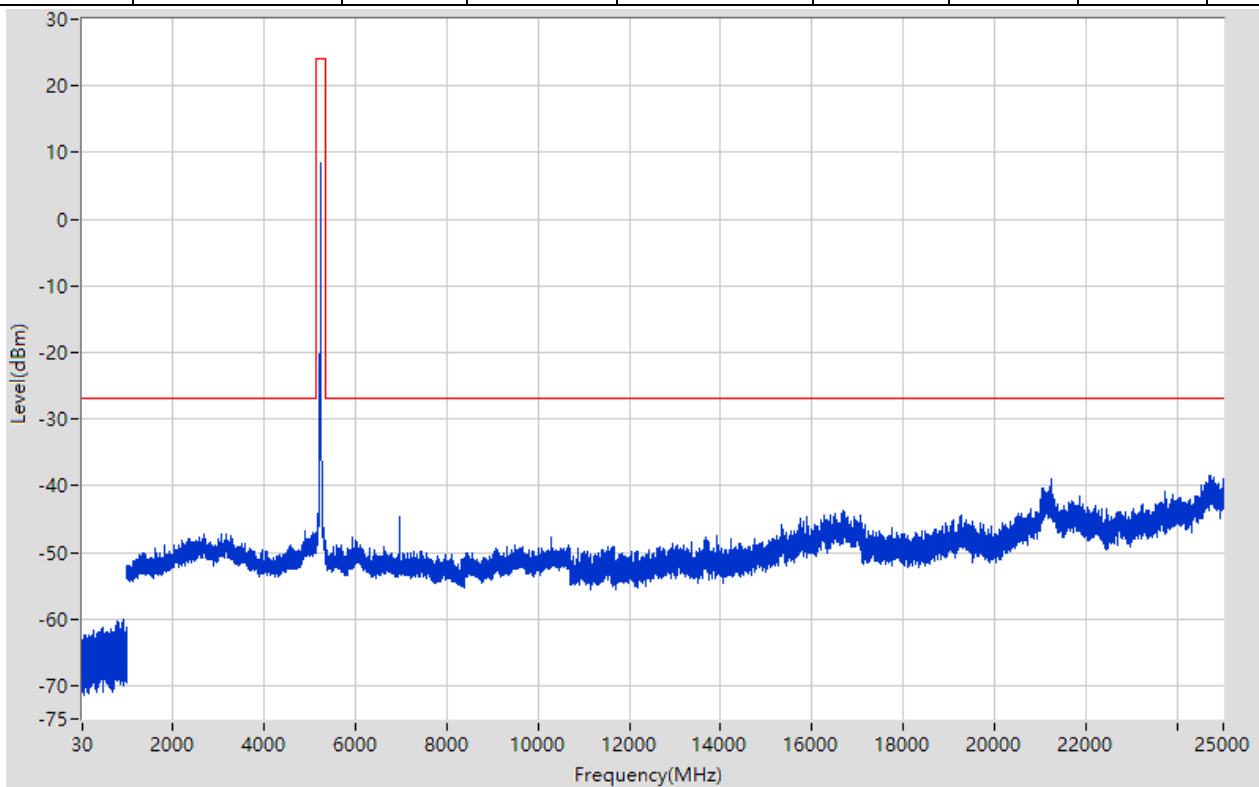
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5240MHz

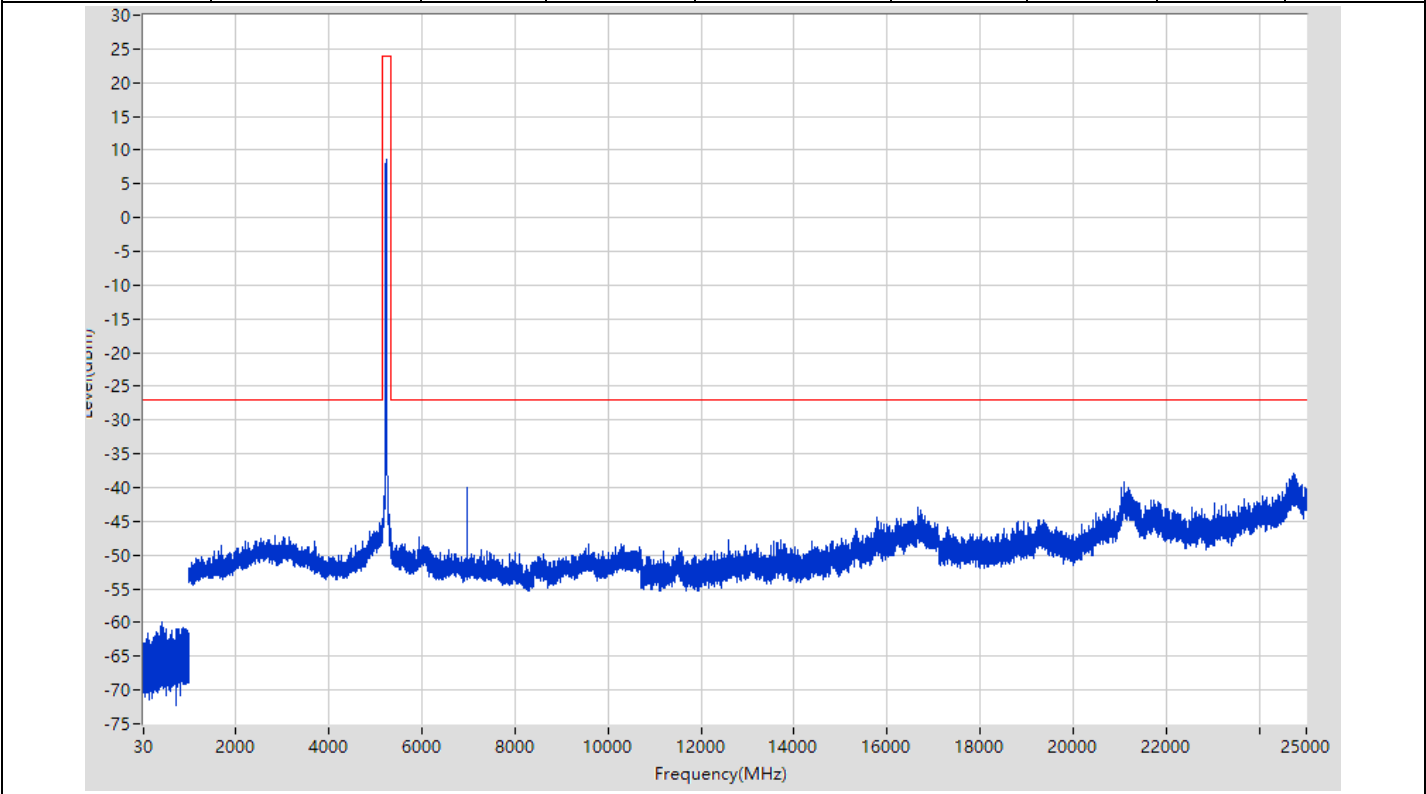
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	921.492	-60.18	-27	Pass	9700
1000	5150	1	Peak	4887.937	-46.87	-27	Pass	4150
5150	5350	1	Peak	5236.667	8.53	24	Pass	601
5350	10300	1	Peak	6987.331	-44.64	-27	Pass	4950
10300	10700	1	Peak	10653.333	-48.87	-27	Pass	601
10700	25000	1	Peak	24736.982	-38.52	-27	Pass	14300



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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5240MHz

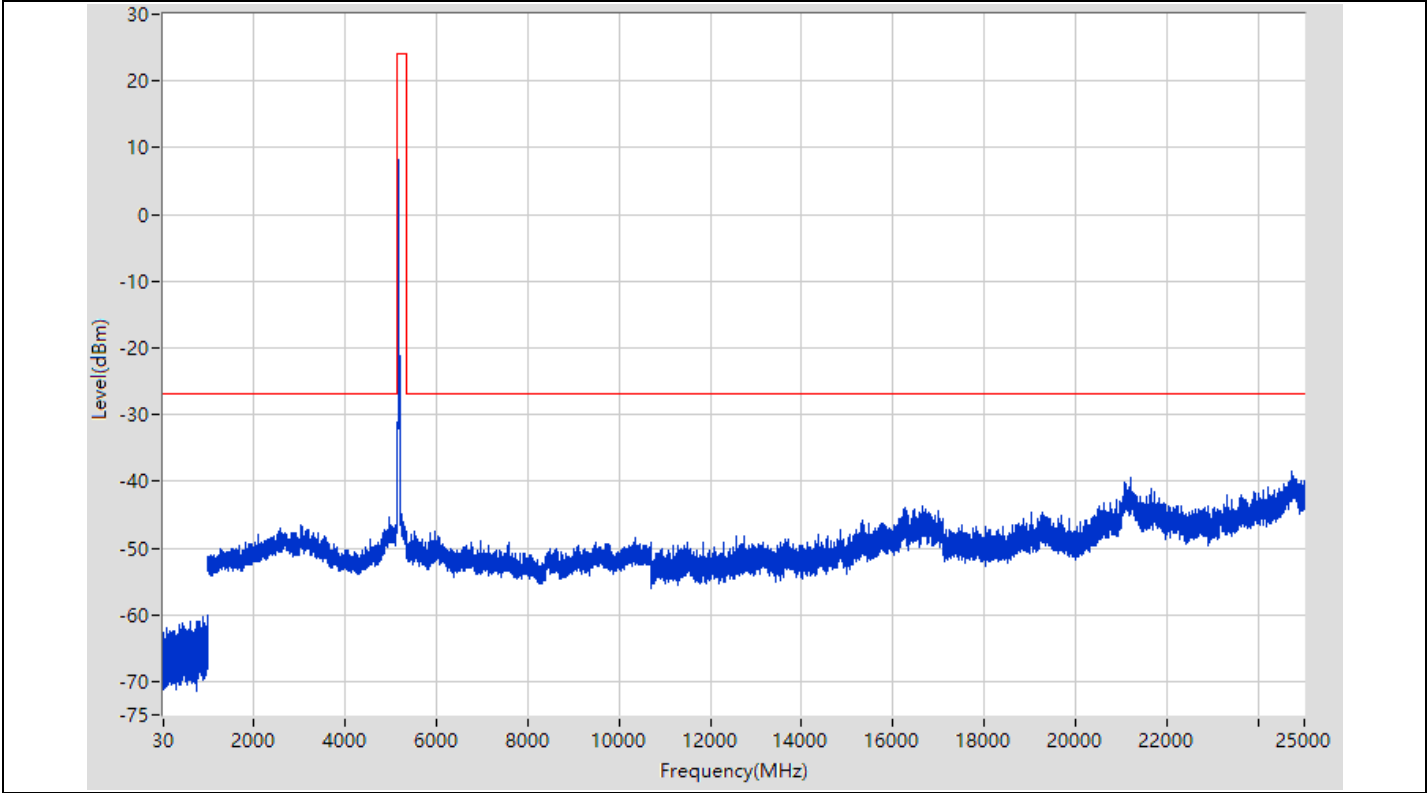
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	413.139	-59.93	-27	Pass	9700
1000	5150	1	Peak	5105.989	-45.14	-27	Pass	4150
5150	5350	1	Peak	5245.333	8.55	24	Pass	601
5350	10300	1	Peak	6986.331	-40.04	-27	Pass	4950
10300	10700	1	Peak	10336	-48.65	-27	Pass	601
10700	25000	1	Peak	24717.98	-37.99	-27	Pass	14300



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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	981.598	-60.17	-27	Pass	9700
1000	5150	1	Peak	5150	-41.1	-27	Pass	4150
5150	5350	1	Peak	5174	8.28	24	Pass	601
5350	10300	1	Peak	5533.037	-47.43	-27	Pass	4950
10300	10700	1	Peak	10360.667	-48.51	-27	Pass	601
10700	25000	1	Peak	24732.981	-38.42	-27	Pass	14300



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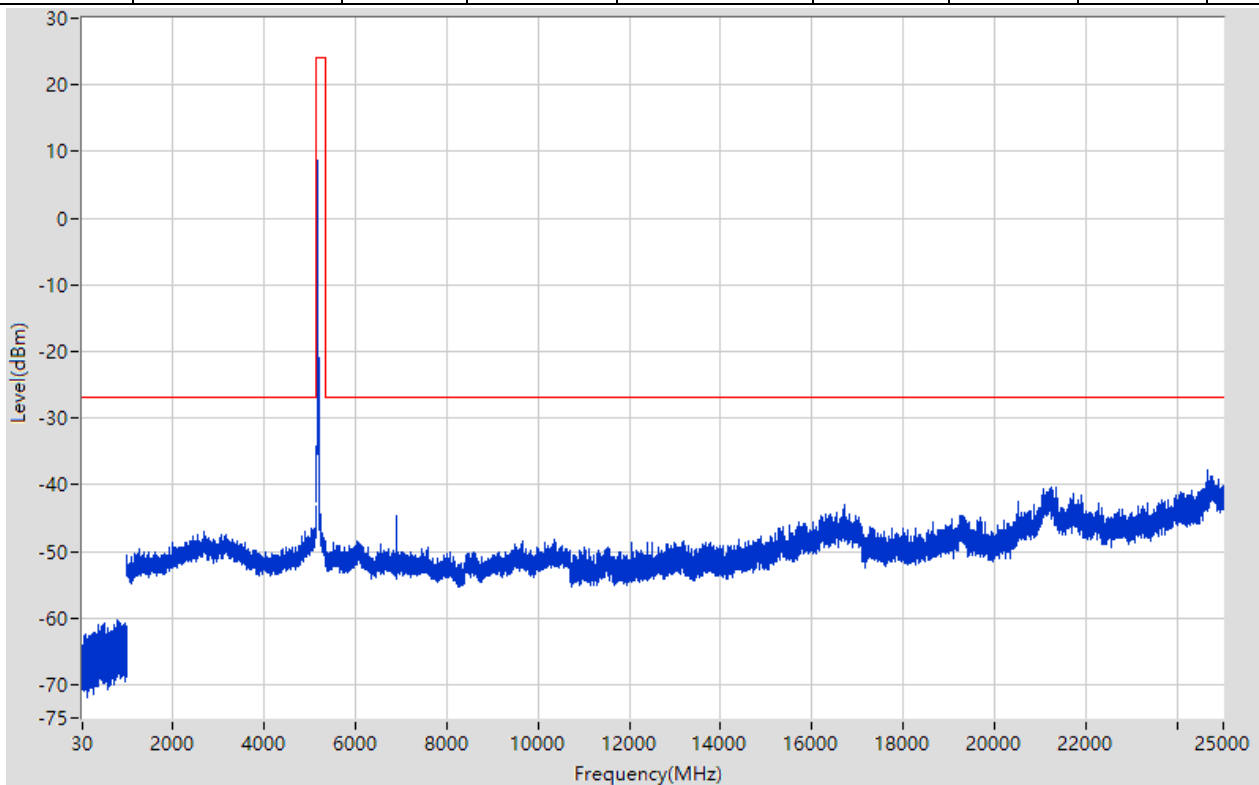
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	777.477	-60.2	-27	Pass	9700
1000	5150	1	Peak	5148	-43.13	-27	Pass	4150
5150	5350	1	Peak	5185.667	8.65	24	Pass	601
5350	10300	1	Peak	6906.314	-44.77	-27	Pass	4950
10300	10700	1	Peak	10346	-48.27	-27	Pass	601
10700	25000	1	Peak	24657.976	-37.74	-27	Pass	14300



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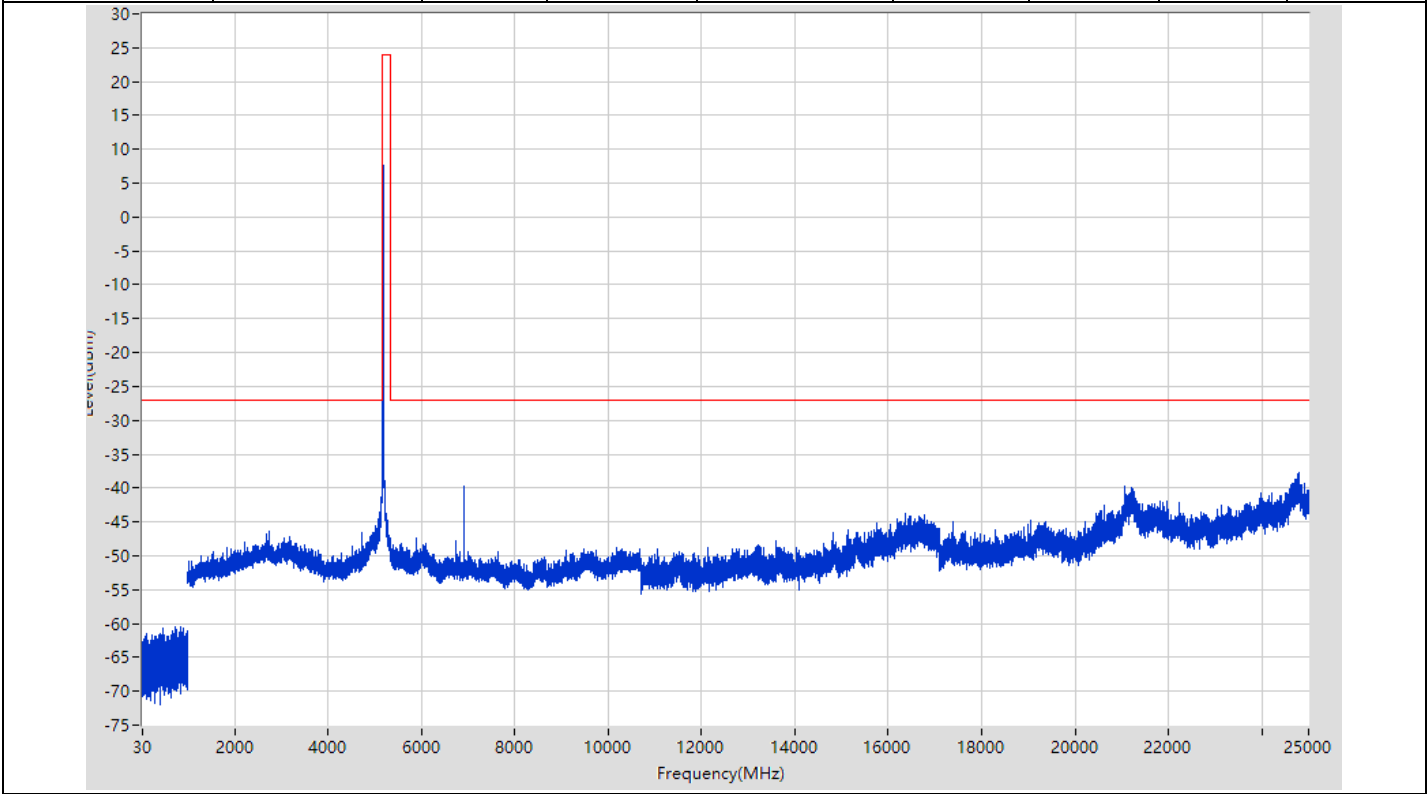
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5180MHz

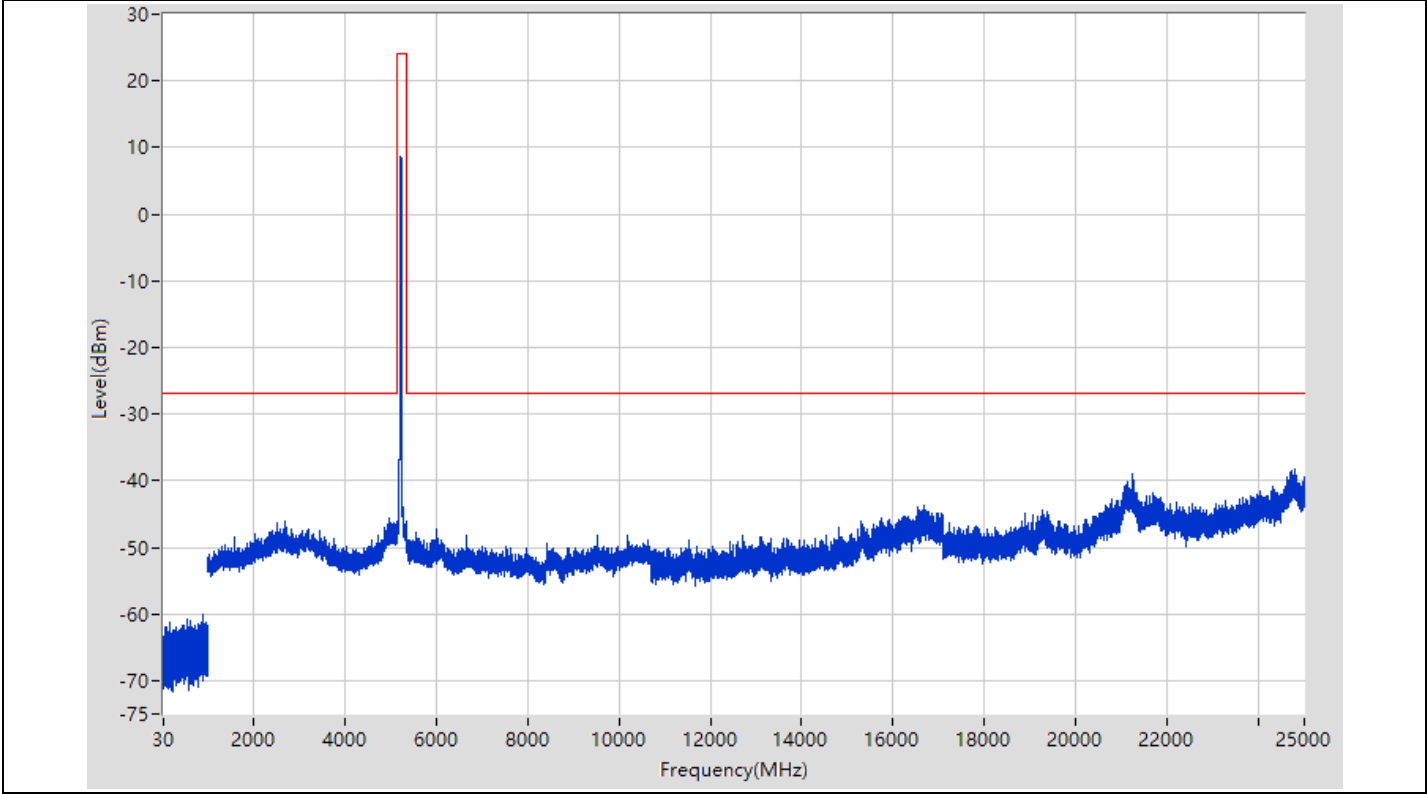
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	743.974	-60.53	-27	Pass	9700
1000	5150	1	Peak	5142.998	-41.43	-27	Pass	4150
5150	5350	1	Peak	5174	8.02	24	Pass	601
5350	10300	1	Peak	6906.314	-39.65	-27	Pass	4950
10300	10700	1	Peak	10664	-48.95	-27	Pass	601
10700	25000	1	Peak	24784.985	-37.74	-27	Pass	14300



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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5220MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	887.388	-60.06	-27	Pass	9700
1000	5150	1	Peak	4982.96	-45.56	-27	Pass	4150
5150	5350	1	Peak	5214	8.68	24	Pass	601
5350	10300	1	Peak	5996.131	-47.32	-27	Pass	4950
10300	10700	1	Peak	10642.667	-48.98	-27	Pass	601
10700	25000	1	Peak	24794.986	-38.18	-27	Pass	14300



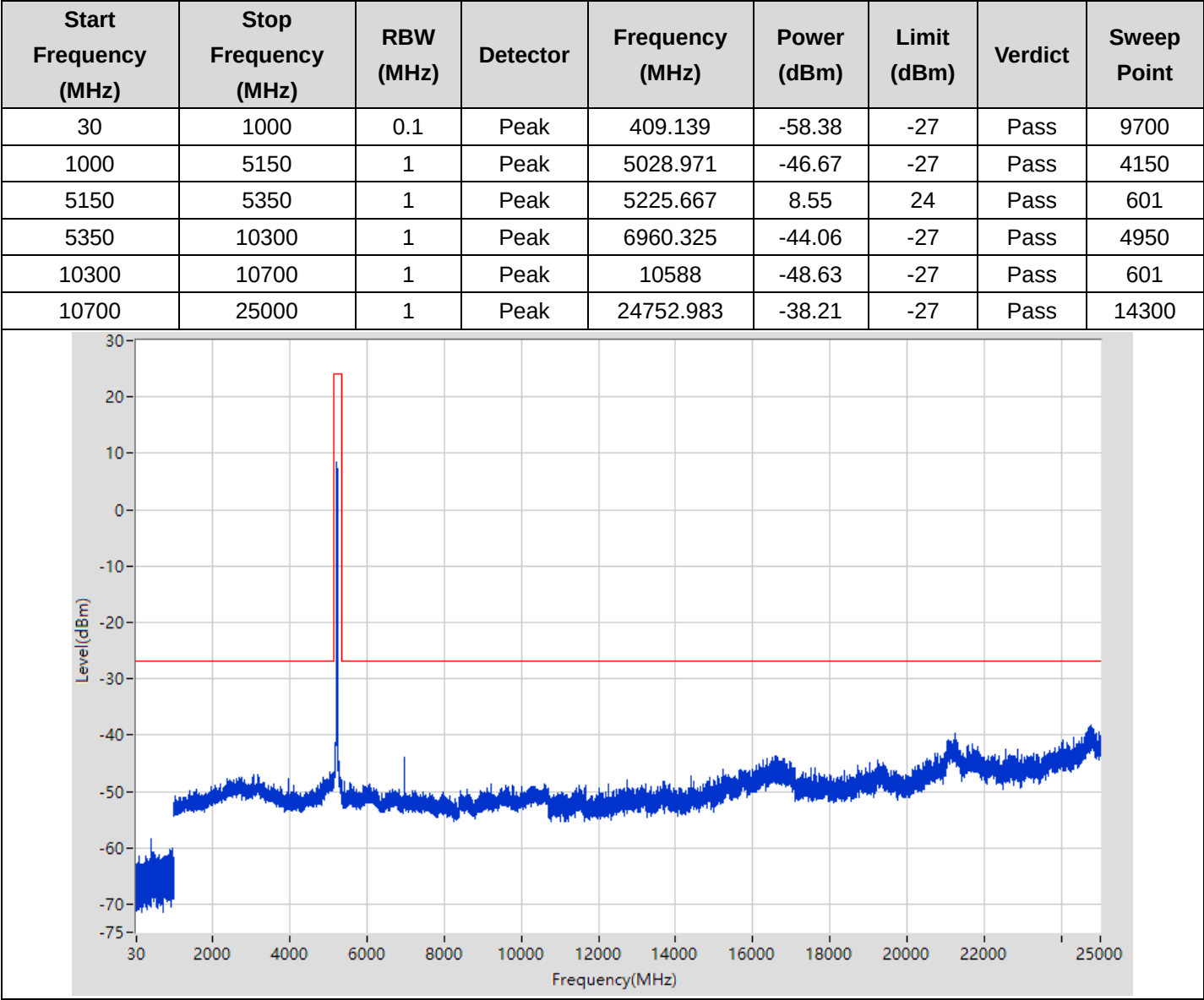
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5220MHz



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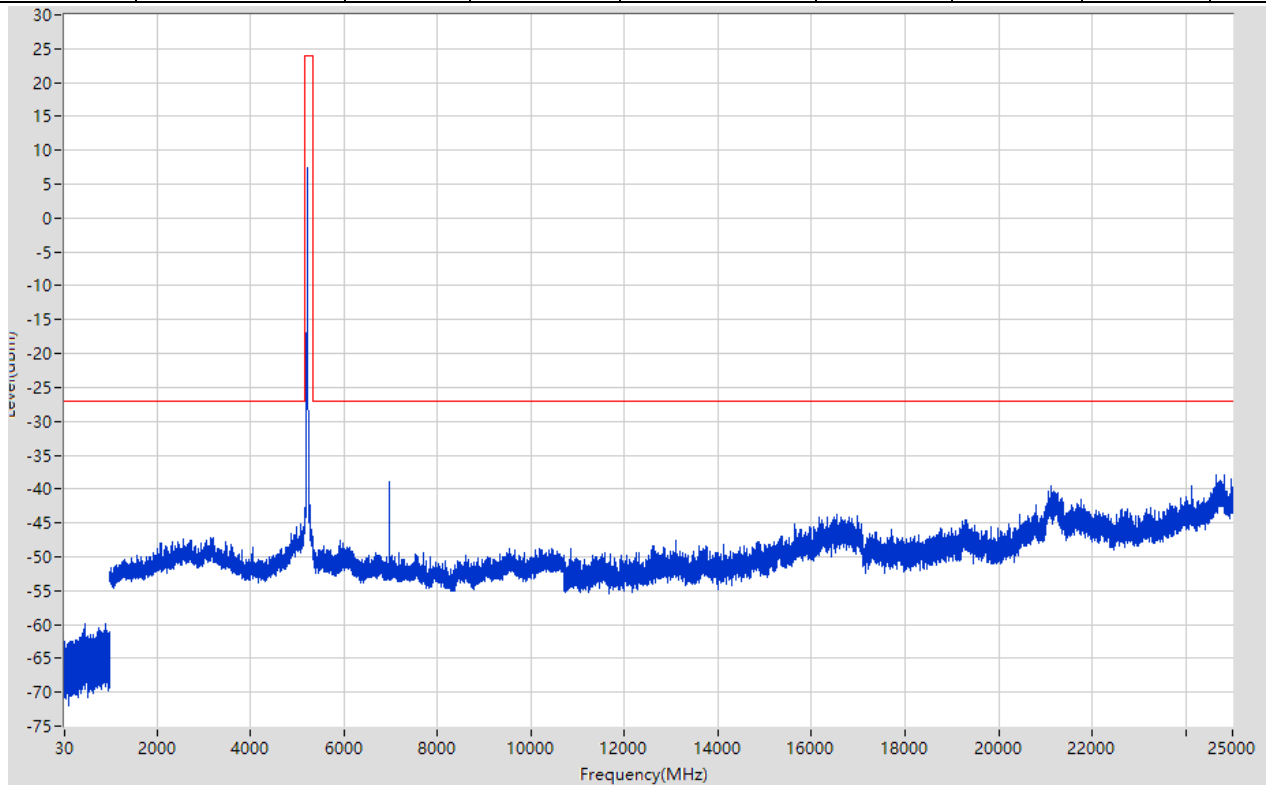
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5220MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	908.491	-59.91	-27	Pass	9700
1000	5150	1	Peak	5073.982	-45.24	-27	Pass	4150
5150	5350	1	Peak	5214.333	7.49	24	Pass	601
5350	10300	1	Peak	6960.325	-38.89	-27	Pass	4950
10300	10700	1	Peak	10447.333	-48.7	-27	Pass	601
10700	25000	1	Peak	24646.975	-37.85	-27	Pass	14300



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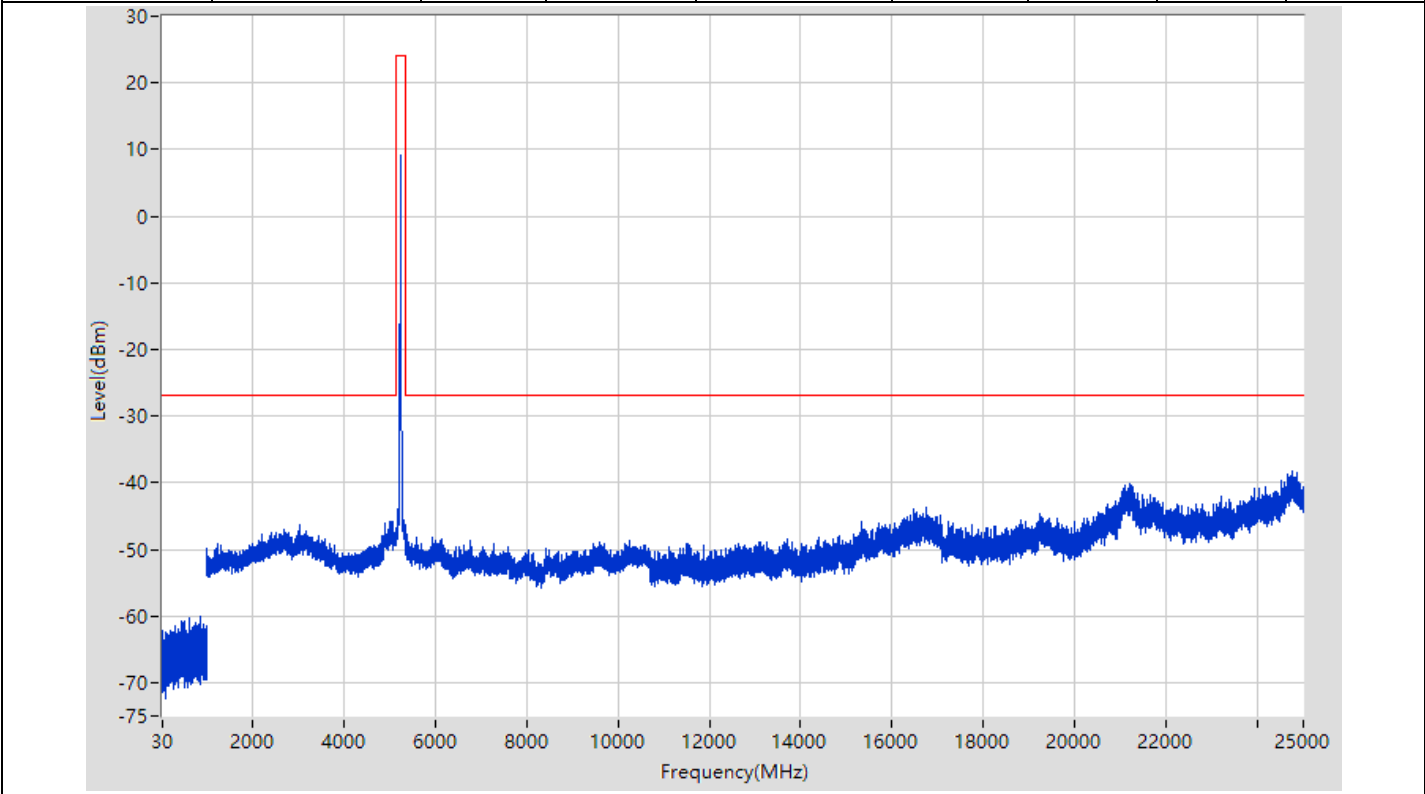
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5240MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	867.986	-60	-27	Pass	9700
1000	5150	1	Peak	5000.964	-45.76	-27	Pass	4150
5150	5350	1	Peak	5234.667	9.04	24	Pass	601
5350	10300	1	Peak	5357.001	-47.57	-27	Pass	4950
10300	10700	1	Peak	10560.667	-49.32	-27	Pass	601
10700	25000	1	Peak	24755.983	-38.2	-27	Pass	14300



TEST REPORT

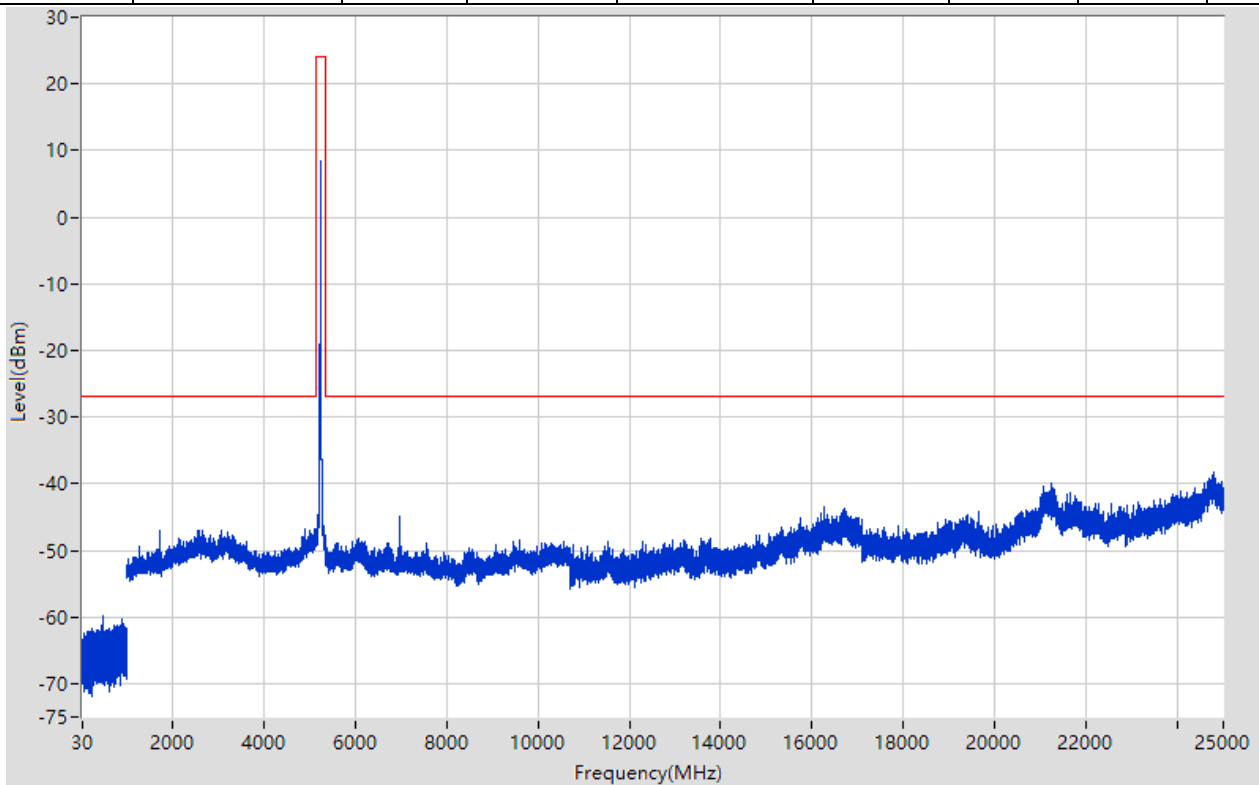
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5240MHz

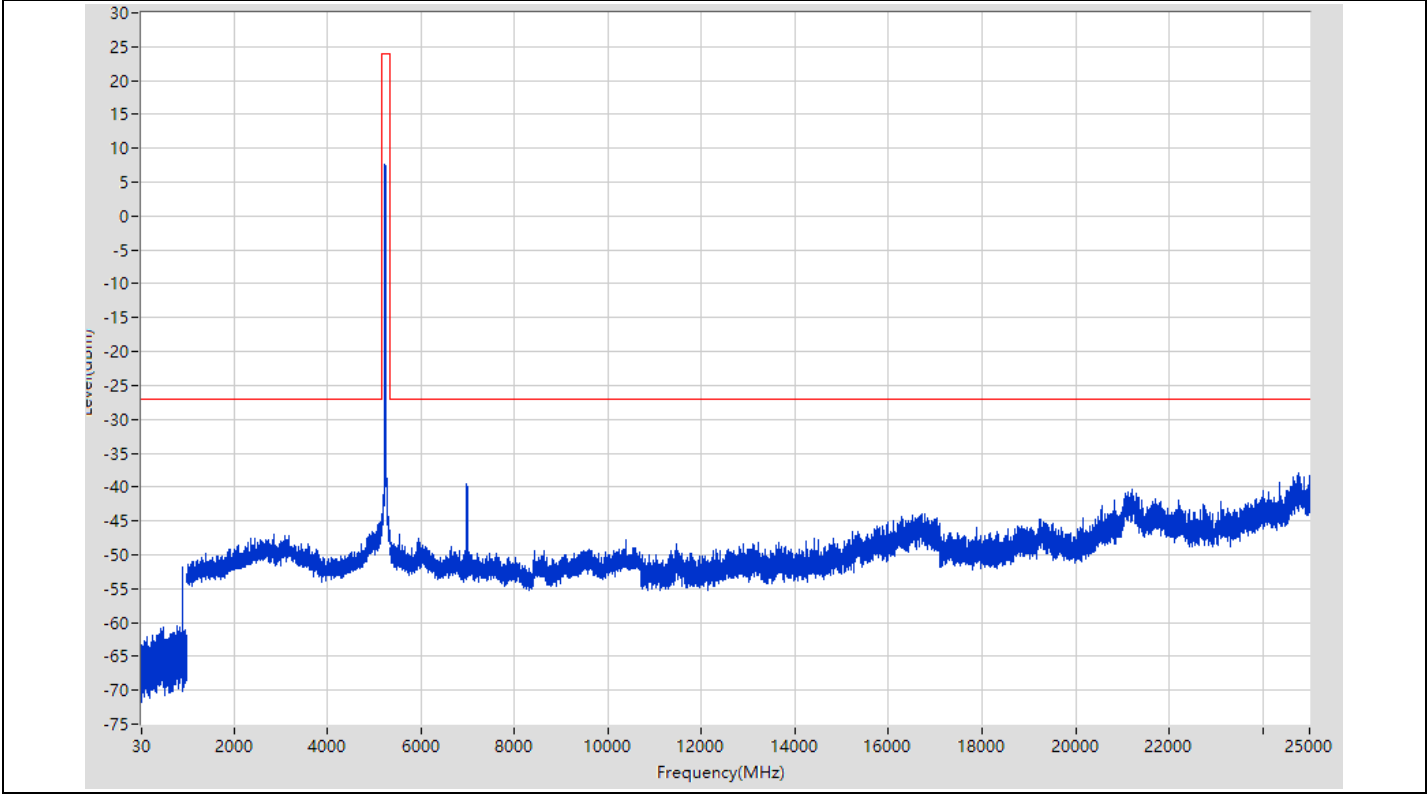
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	463.945	-59.9	-27	Pass	9700
1000	5150	1	Peak	4887.937	-46.74	-27	Pass	4150
5150	5350	1	Peak	5246	8.4	24	Pass	601
5350	10300	1	Peak	6986.331	-44.81	-27	Pass	4950
10300	10700	1	Peak	10554	-48.73	-27	Pass	601
10700	25000	1	Peak	24792.986	-38.32	-27	Pass	14300



TEST REPORT

Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5240MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	892.889	-51.72	-27	Pass	9700
1000	5150	1	Peak	5129.995	-45.23	-27	Pass	4150
5150	5350	1	Peak	5234.333	7.61	24	Pass	601
5350	10300	1	Peak	6986.331	-39.48	-27	Pass	4950
10300	10700	1	Peak	10375.333	-47.75	-27	Pass	601
10700	25000	1	Peak	24775.984	-37.95	-27	Pass	14300



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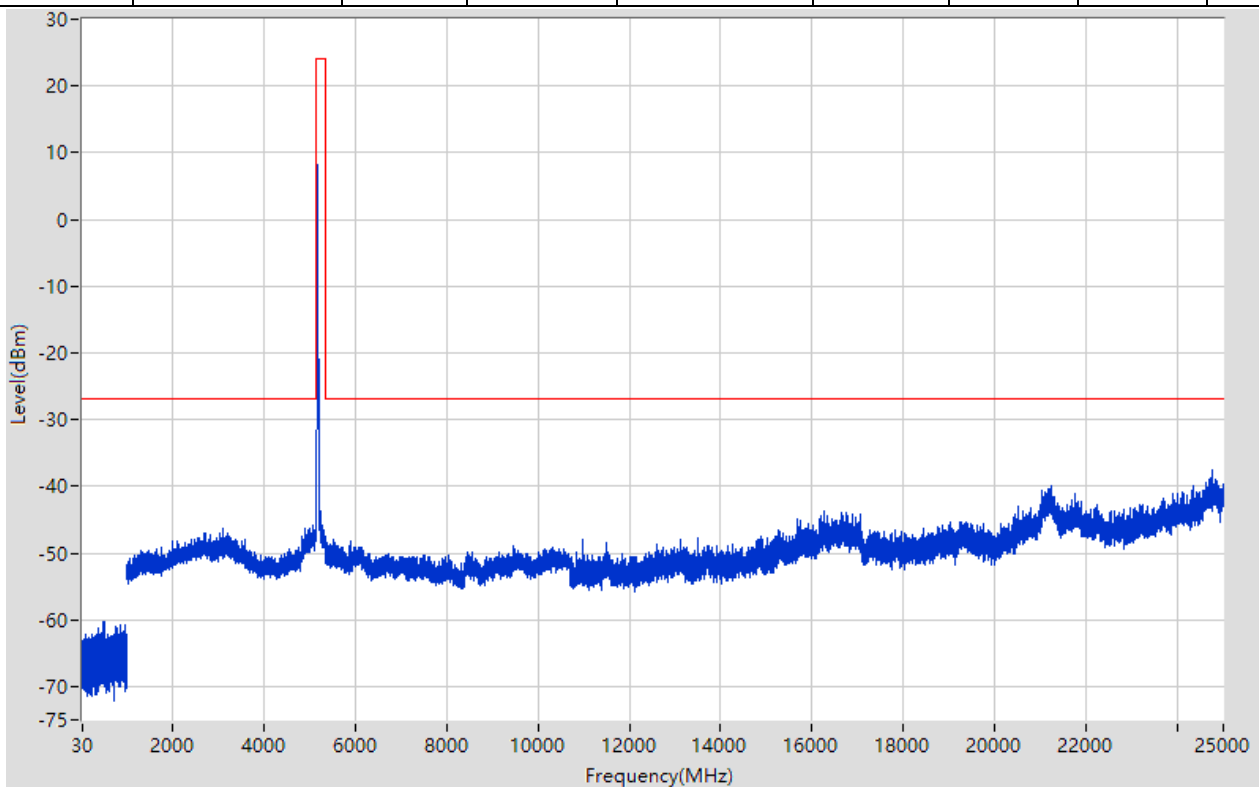
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	471.045	-60.2	-27	Pass	9700
1000	5150	1	Peak	5150	-40.16	-27	Pass	4150
5150	5350	1	Peak	5174.667	8.14	24	Pass	601
5350	10300	1	Peak	5536.038	-48.07	-27	Pass	4950
10300	10700	1	Peak	10320	-49.1	-27	Pass	601
10700	25000	1	Peak	24761.983	-37.45	-27	Pass	14300



TEST REPORT

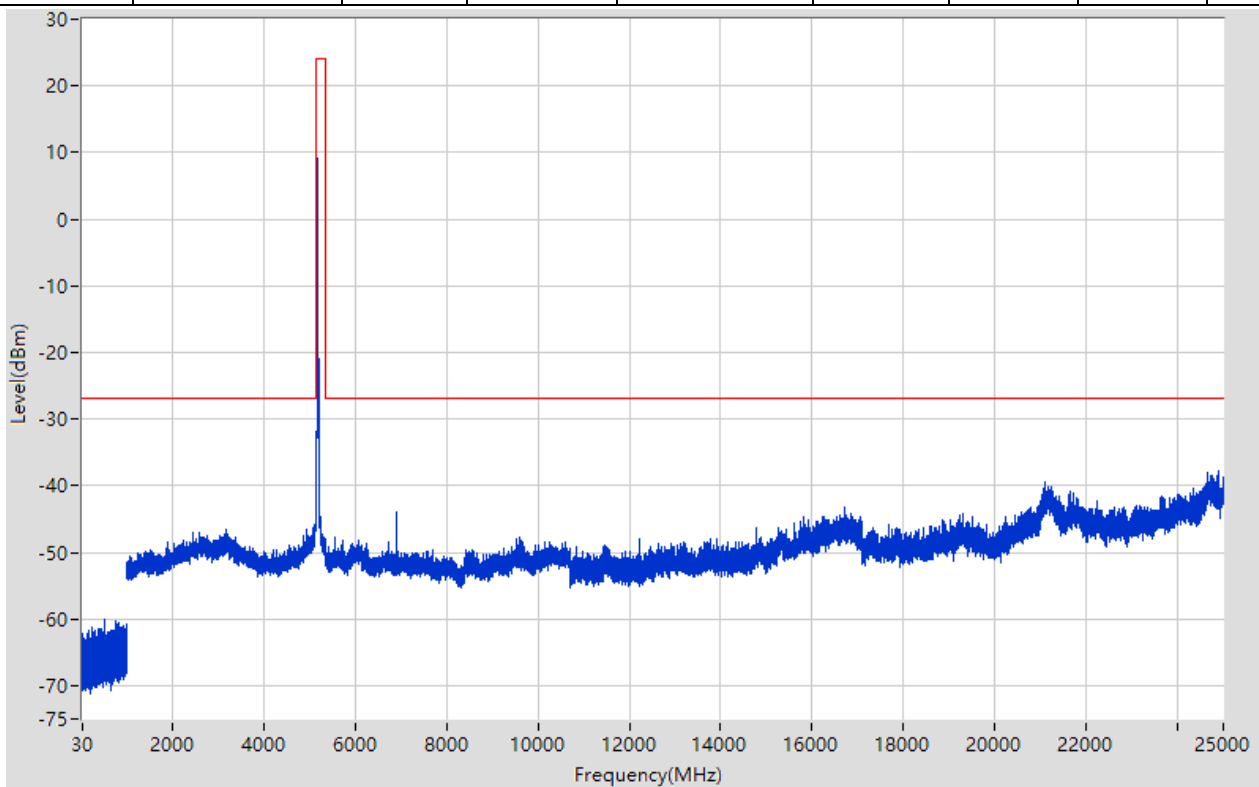
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5180MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	513.95	-60.13	-27	Pass	9700
1000	5150	1	Peak	5149	-41.91	-27	Pass	4150
5150	5350	1	Peak	5176.667	9.1	24	Pass	601
5350	10300	1	Peak	6906.314	-44.02	-27	Pass	4950
10300	10700	1	Peak	10588	-48.43	-27	Pass	601
10700	25000	1	Peak	24881.992	-37.85	-27	Pass	14300



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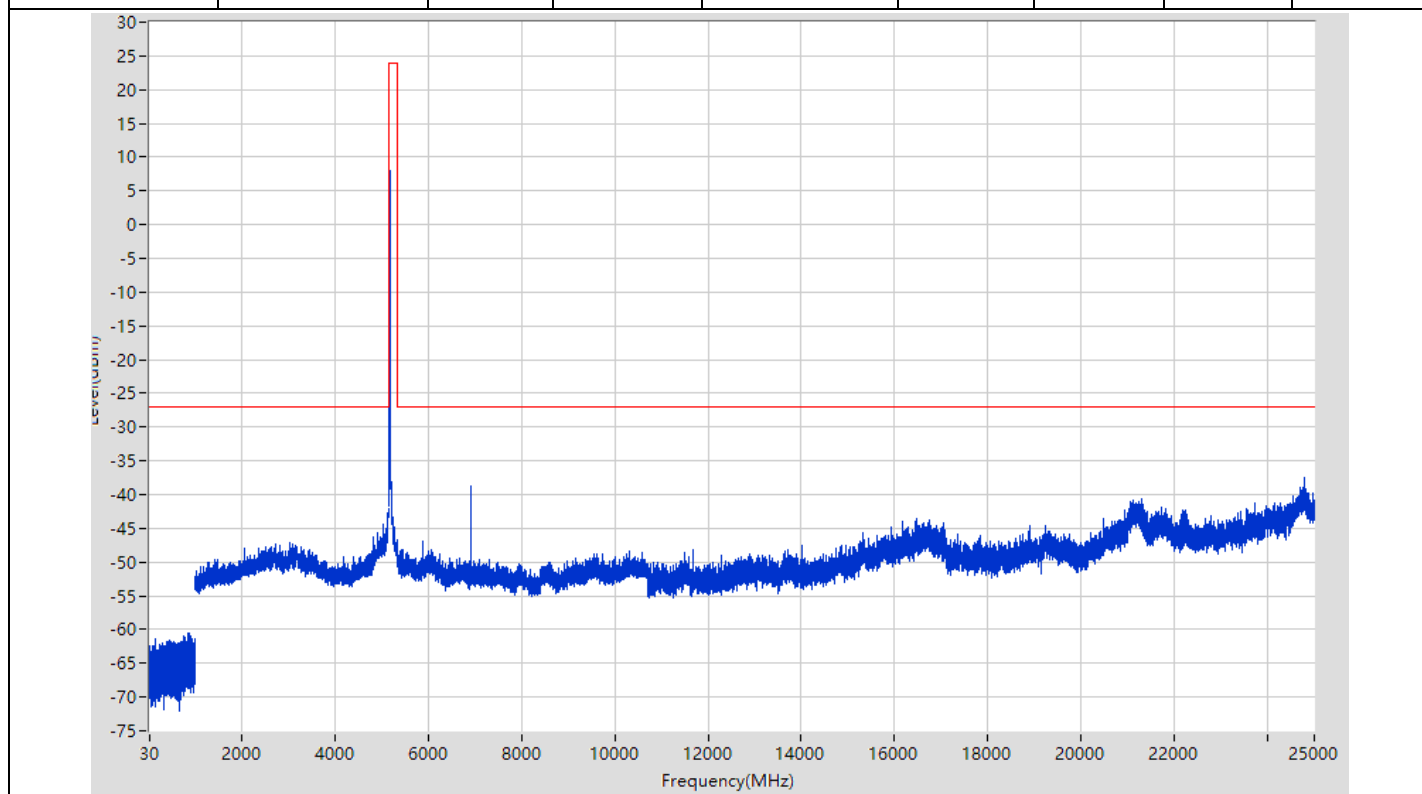
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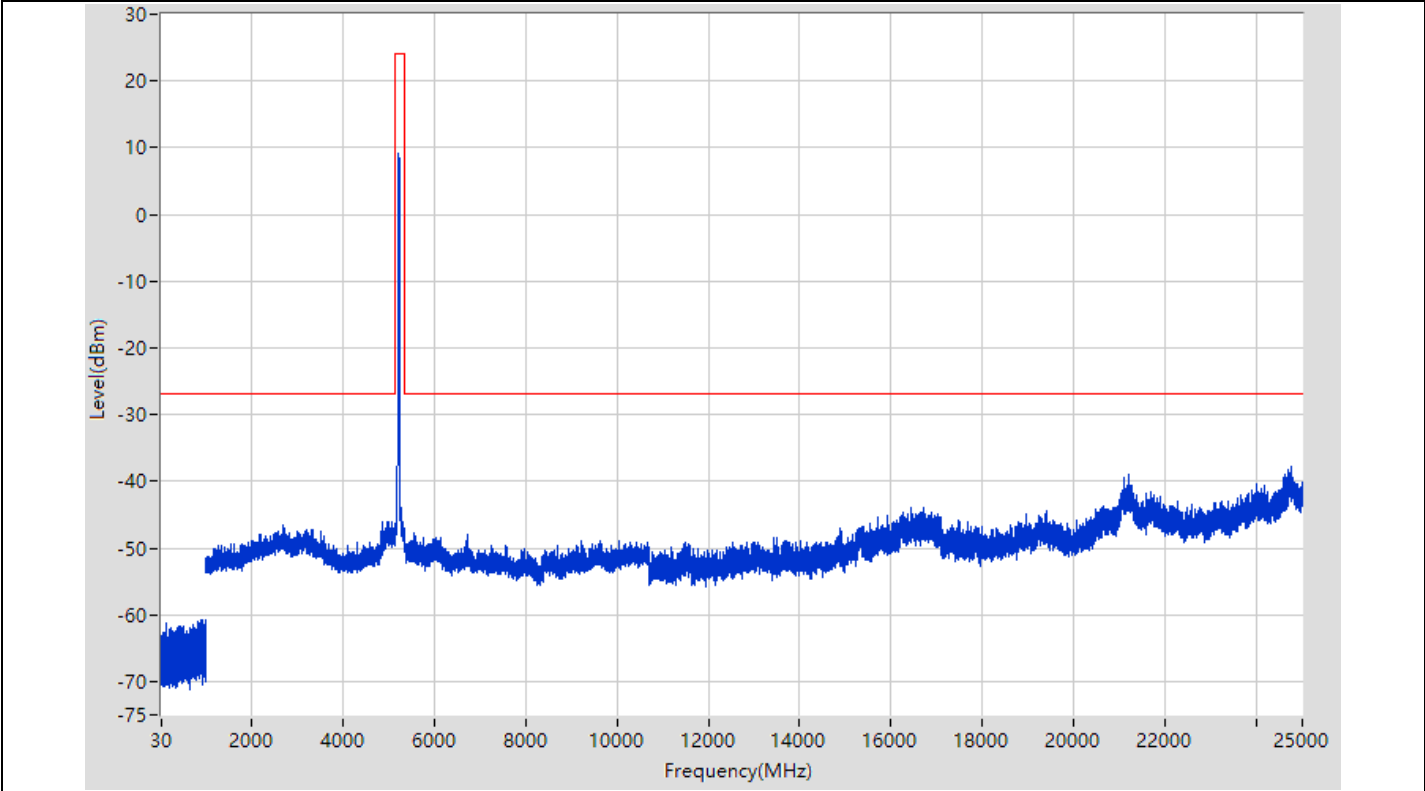
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	882.788	-60.44	-27	Pass	9700
1000	5150	1	Peak	5143.999	-42.19	-27	Pass	4150
5150	5350	1	Peak	5185	8.02	24	Pass	601
5350	10300	1	Peak	6906.314	-38.82	-27	Pass	4950
10300	10700	1	Peak	10307.333	-48.35	-27	Pass	601
10700	25000	1	Peak	24772.984	-37.45	-27	Pass	14300



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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5220MHz

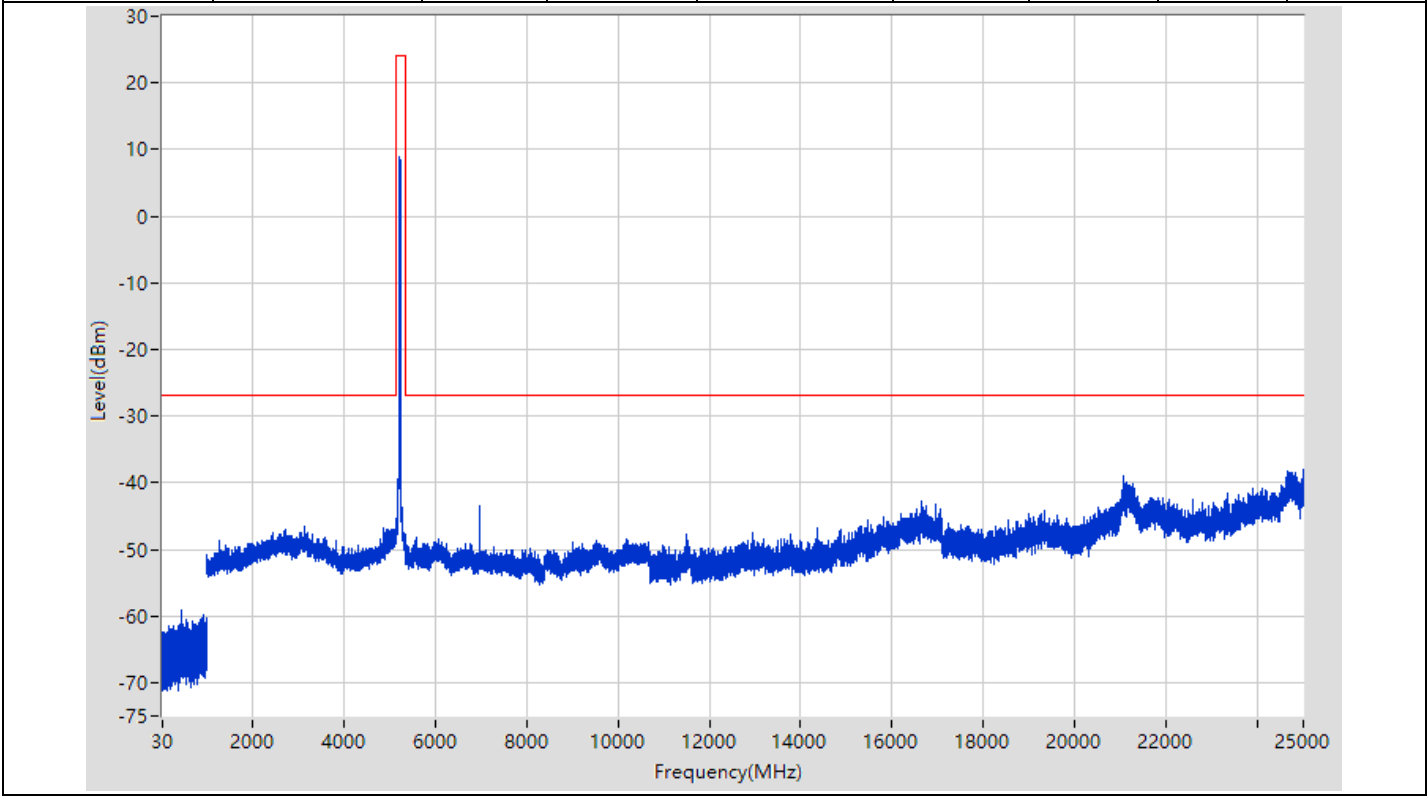
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	939.794	-60.67	-27	Pass	9700
1000	5150	1	Peak	4954.953	-46.06	-27	Pass	4150
5150	5350	1	Peak	5226	9.05	24	Pass	601
5350	10300	1	Peak	5572.045	-47.83	-27	Pass	4950
10300	10700	1	Peak	10415.333	-49.21	-27	Pass	601
10700	25000	1	Peak	24753.983	-37.85	-27	Pass	14300



TEST REPORT

MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5220MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	434.542	-59.23	-27	Pass	9700
1000	5150	1	Peak	5150	-46.39	-27	Pass	4150
5150	5350	1	Peak	5227.667	8.8	24	Pass	601
5350	10300	1	Peak	6960.325	-43.36	-27	Pass	4950
10300	10700	1	Peak	10684	-49.04	-27	Pass	601
10700	25000	1	Peak	24993	-37.98	-27	Pass	14300



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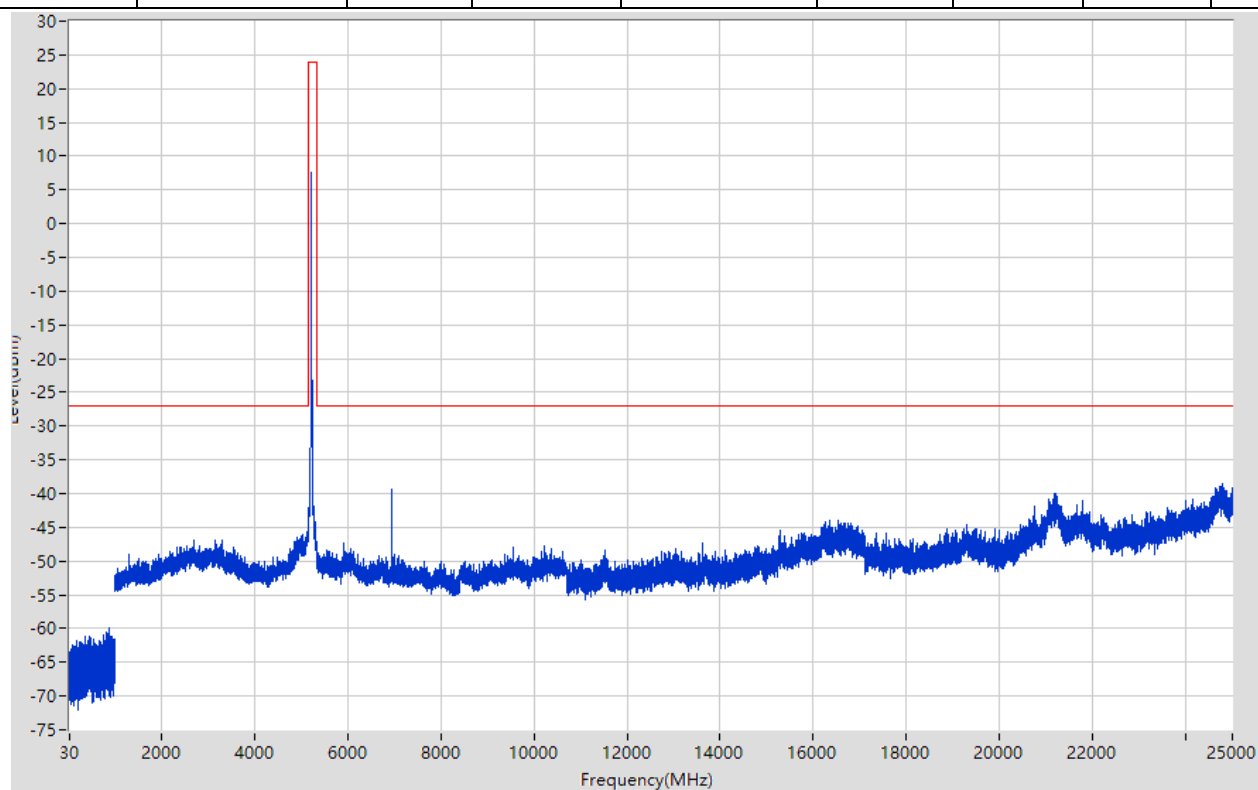
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5220MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	892.089	-59.89	-27	Pass	9700
1000	5150	1	Peak	5145.999	-44.43	-27	Pass	4150
5150	5350	1	Peak	5225.667	7.6	24	Pass	601
5350	10300	1	Peak	6960.325	-39.43	-27	Pass	4950
10300	10700	1	Peak	10371.333	-48.25	-27	Pass	601
10700	25000	1	Peak	24784.985	-38.61	-27	Pass	14300



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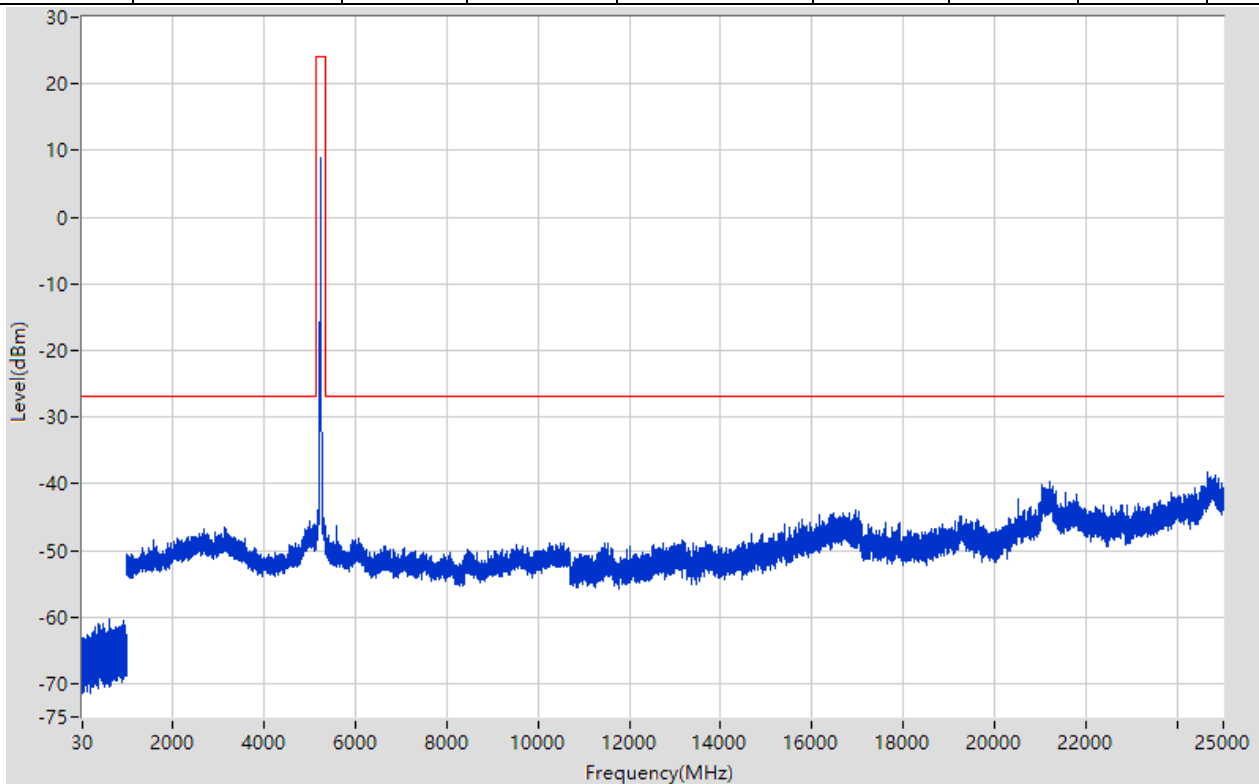
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5240MHz

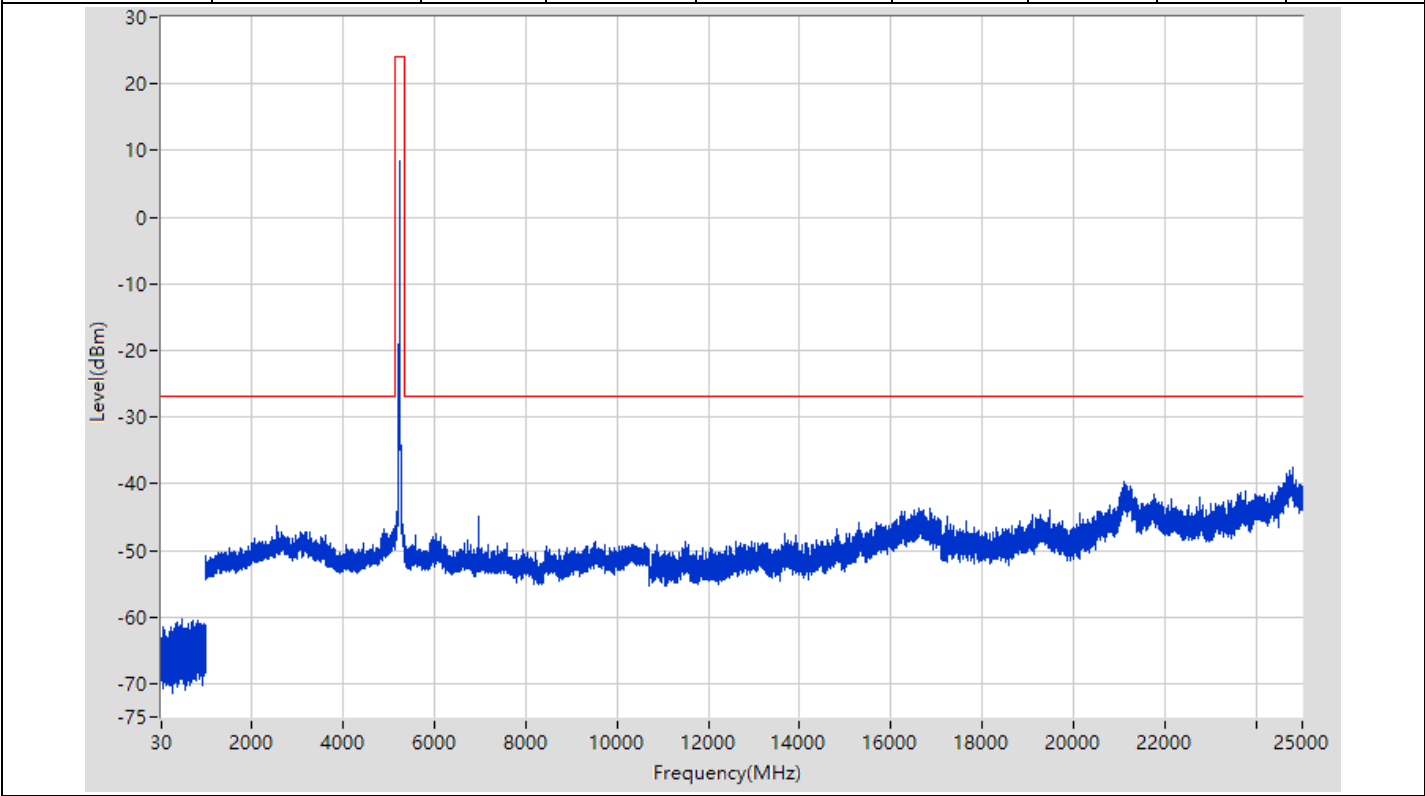
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	626.762	-60.32	-27	Pass	9700
1000	5150	1	Peak	4999.964	-45.69	-27	Pass	4150
5150	5350	1	Peak	5234.667	8.82	24	Pass	601
5350	10300	1	Peak	5598.05	-46.31	-27	Pass	4950
10300	10700	1	Peak	10568.667	-48.82	-27	Pass	601
10700	25000	1	Peak	24665.977	-38.3	-27	Pass	14300



TEST REPORT

MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5240MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	491.448	-60.29	-27	Pass	9700
1000	5150	1	Peak	2561.376	-46.28	-27	Pass	4150
5150	5350	1	Peak	5246.667	8.53	24	Pass	601
5350	10300	1	Peak	6986.331	-44.84	-27	Pass	4950
10300	10700	1	Peak	10591.333	-48.99	-27	Pass	601
10700	25000	1	Peak	24804.986	-37.59	-27	Pass	14300



TEST REPORT

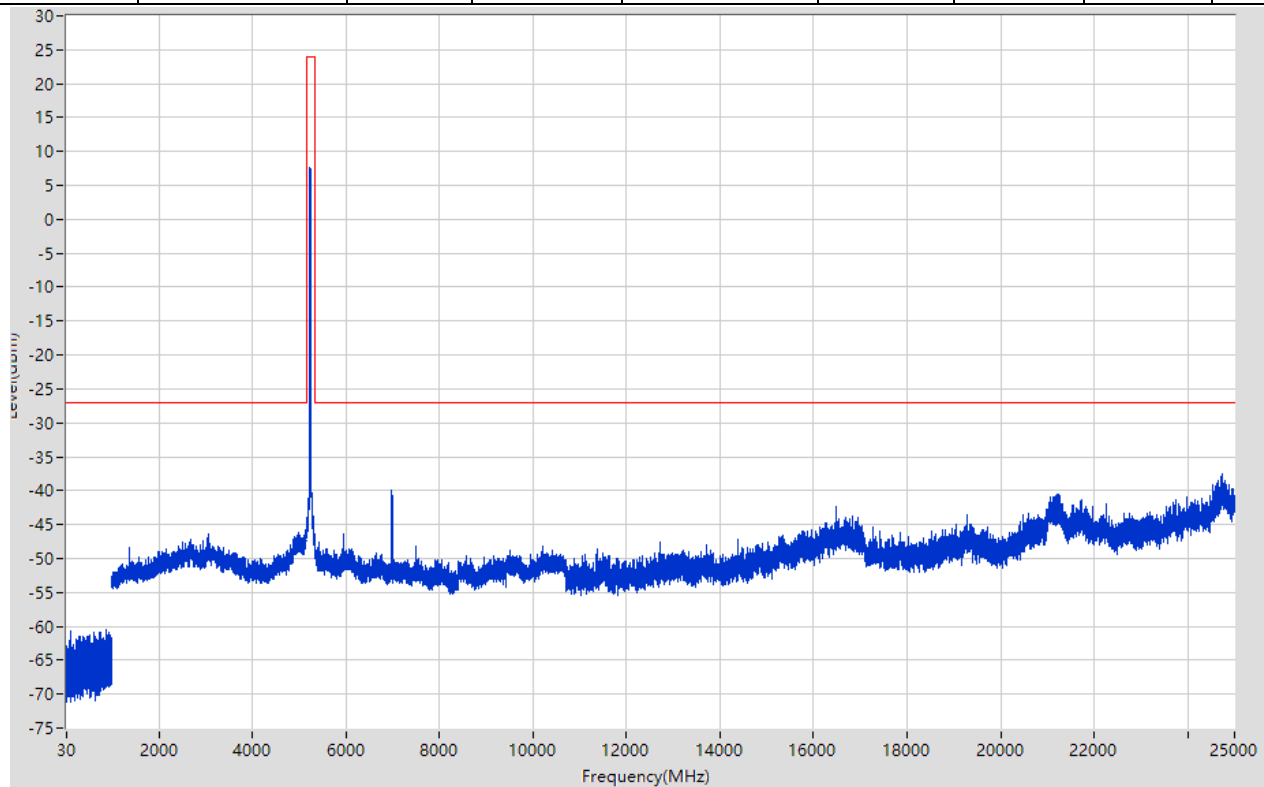
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5240MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	875.187	-60.44	-27	Pass	9700
1000	5150	1	Peak	5138.997	-45.81	-27	Pass	4150
5150	5350	1	Peak	5233.333	7.62	24	Pass	601
5350	10300	1	Peak	6986.331	-40	-27	Pass	4950
10300	10700	1	Peak	10418.667	-48.82	-27	Pass	601
10700	25000	1	Peak	24744.982	-37.46	-27	Pass	14300



TEST REPORT

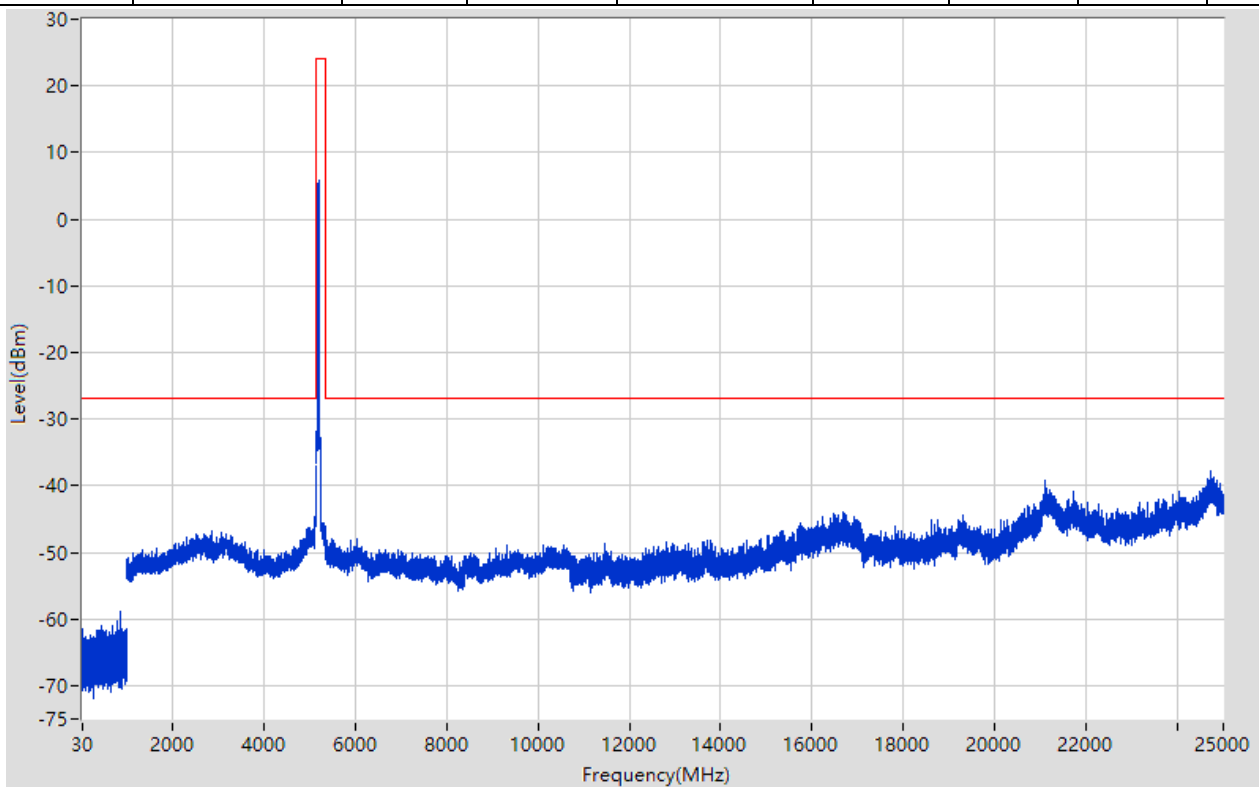
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5190MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	875.487	-58.97	-27	Pass	9700
1000	5150	1	Peak	5143.999	-37.06	-27	Pass	4150
5150	5350	1	Peak	5197.667	5.85	24	Pass	601
5350	10300	1	Peak	5500.03	-48.07	-27	Pass	4950
10300	10700	1	Peak	10578.667	-48.82	-27	Pass	601
10700	25000	1	Peak	24718.98	-37.69	-27	Pass	14300



TEST REPORT

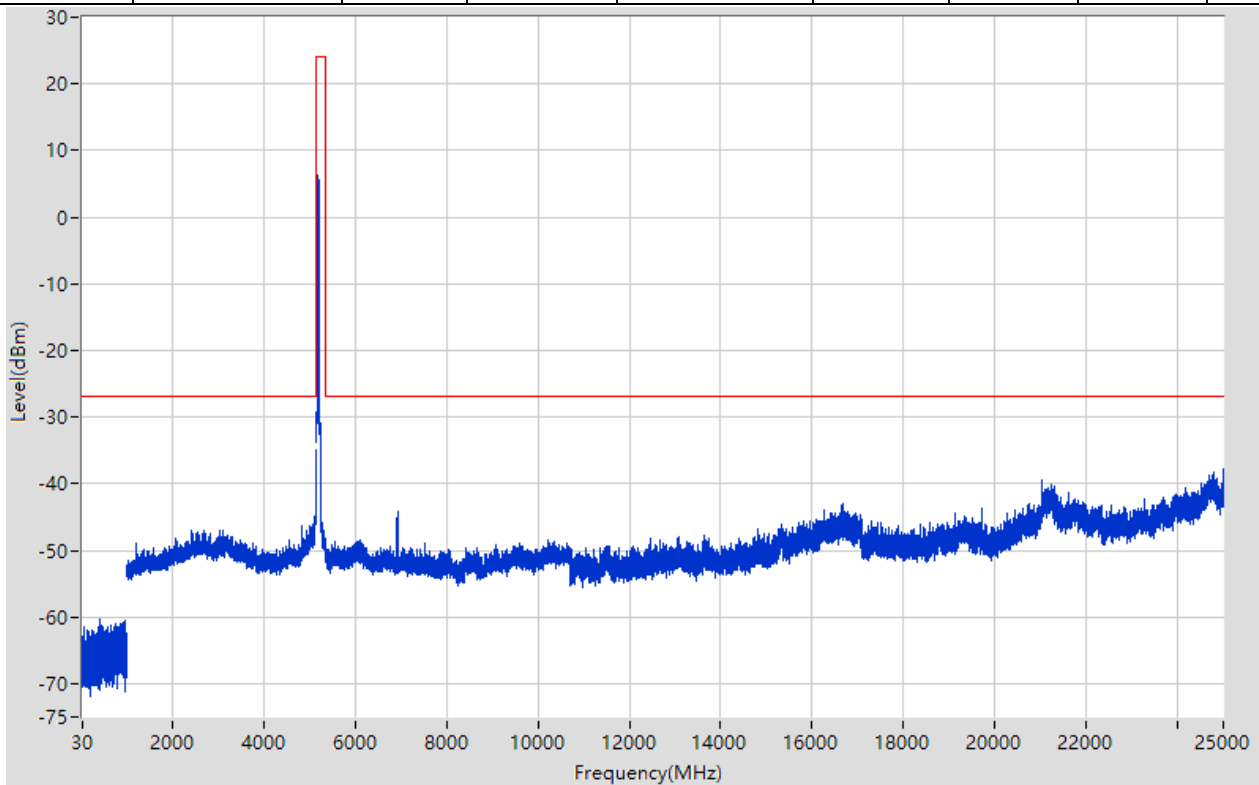
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5190MHz

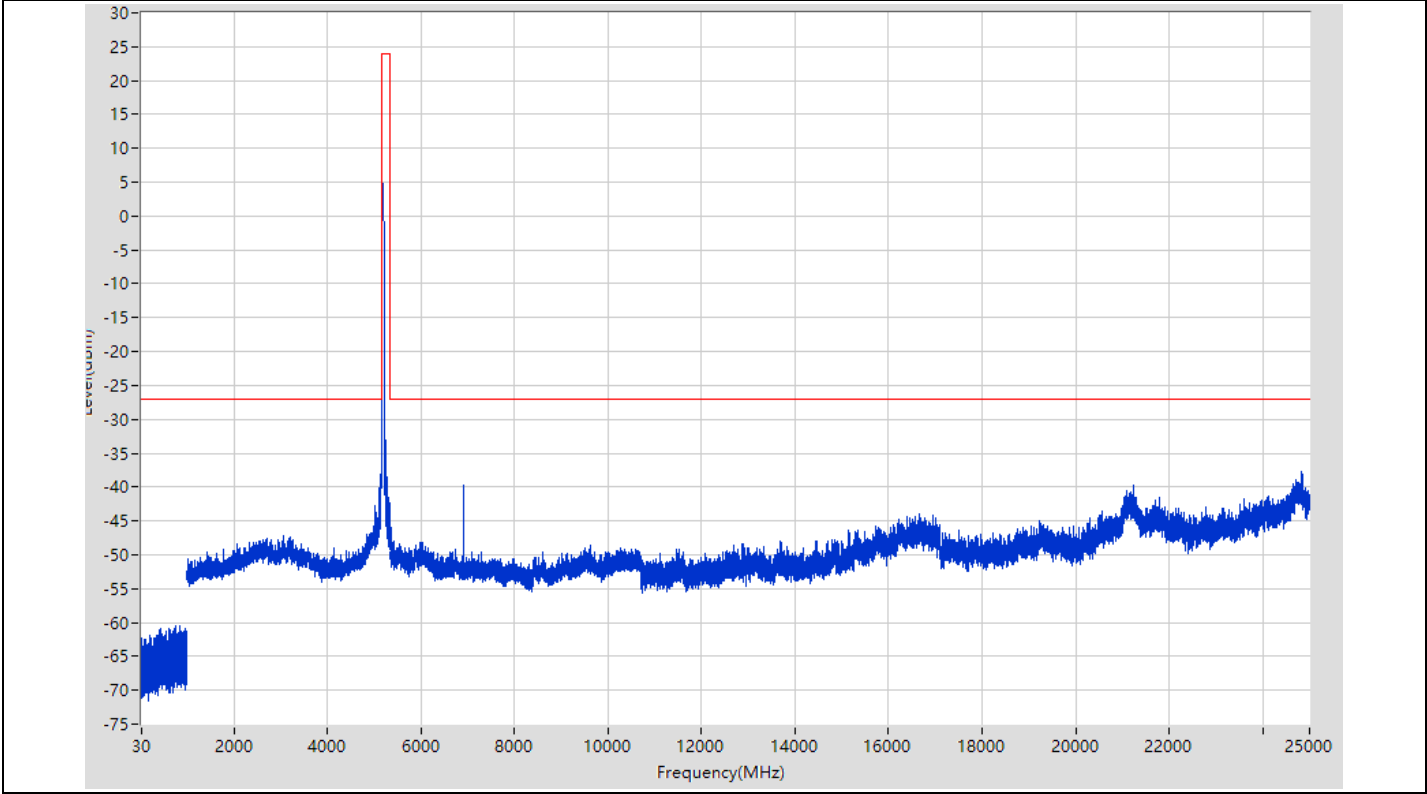
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	422.44	-60.27	-27	Pass	9700
1000	5150	1	Peak	5150	-35.06	-27	Pass	4150
5150	5350	1	Peak	5188.333	6.24	24	Pass	601
5350	10300	1	Peak	6920.317	-44.1	-27	Pass	4950
10300	10700	1	Peak	10359.333	-48.62	-27	Pass	601
10700	25000	1	Peak	24991.999	-37.87	-27	Pass	14300



TEST REPORT

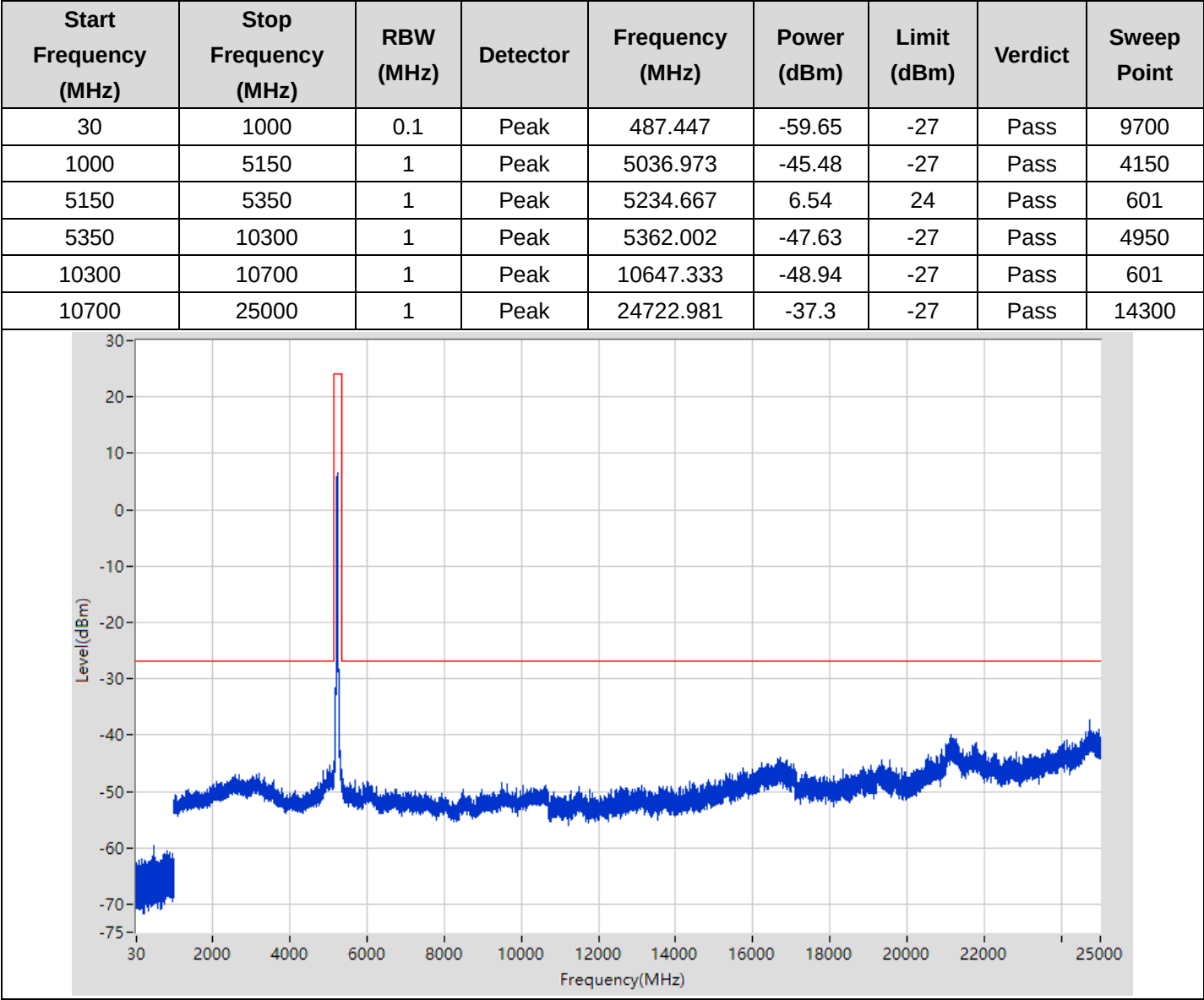
Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5190MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	834.683	-60.48	-27	Pass	9700
1000	5150	1	Peak	5150	-33.65	-27	Pass	4150
5150	5350	1	Peak	5194.333	4.75	24	Pass	601
5350	10300	1	Peak	6920.317	-39.81	-27	Pass	4950
10300	10700	1	Peak	10578.667	-49.12	-27	Pass	601
10700	25000	1	Peak	24815.987	-37.7	-27	Pass	14300



TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5230MHz



TEST REPORT

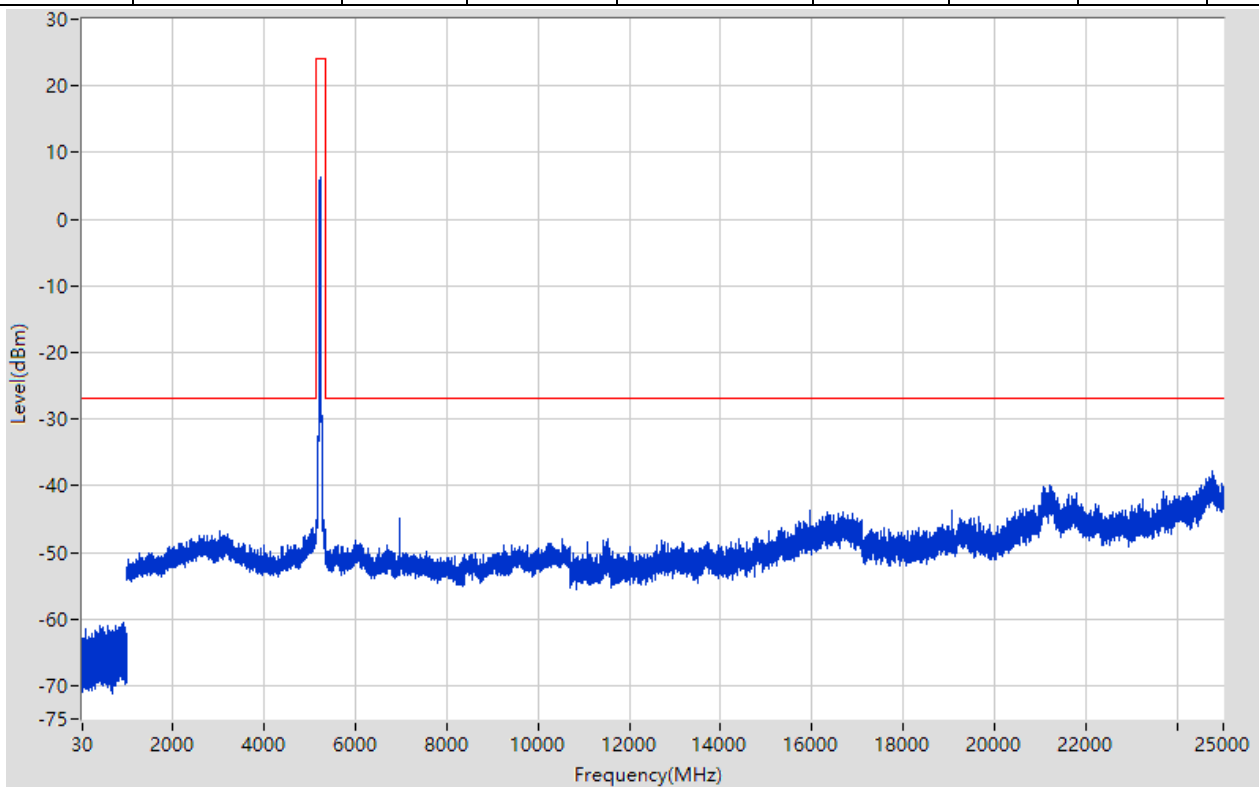
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5230MHz

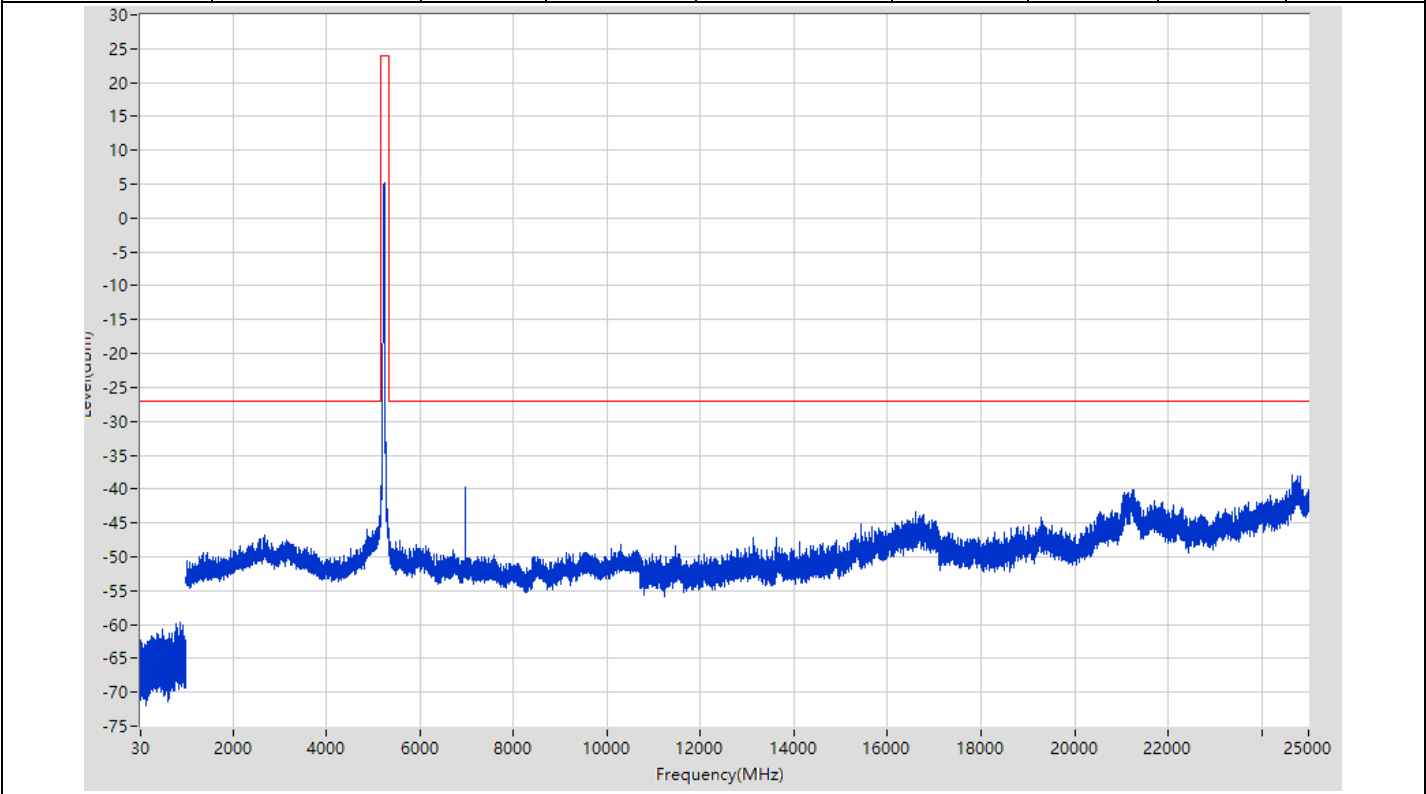
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	920.592	-60.54	-27	Pass	9700
1000	5150	1	Peak	5073.982	-46.4	-27	Pass	4150
5150	5350	1	Peak	5237.667	6.38	24	Pass	601
5350	10300	1	Peak	6973.328	-44.8	-27	Pass	4950
10300	10700	1	Peak	10530	-48	-27	Pass	601
10700	25000	1	Peak	24760.983	-37.86	-27	Pass	14300



TEST REPORT

Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5230MHz

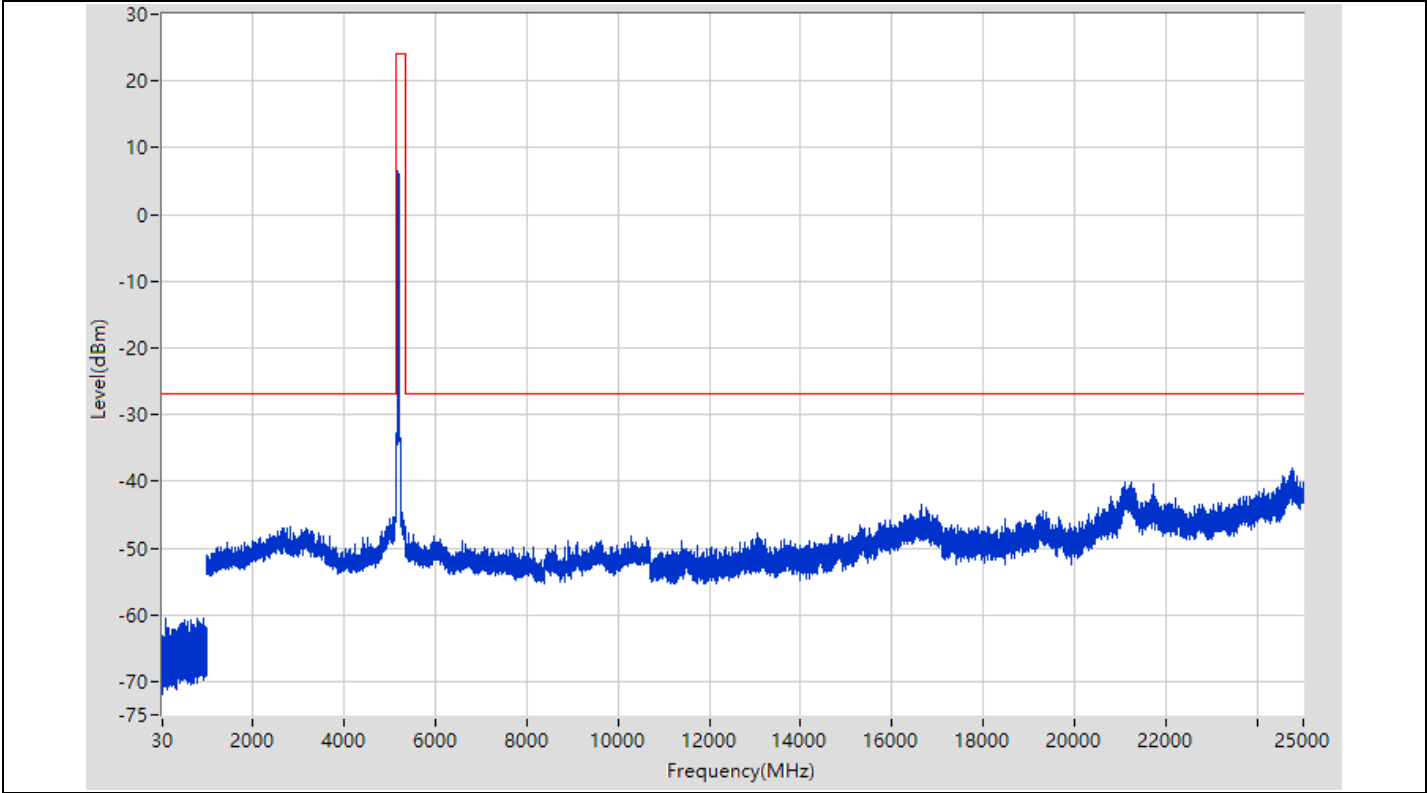
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	871.887	-59.69	-27	Pass	9700
1000	5150	1	Peak	5141.998	-43.87	-27	Pass	4150
5150	5350	1	Peak	5237.667	5.18	24	Pass	601
5350	10300	1	Peak	6973.328	-39.75	-27	Pass	4950
10300	10700	1	Peak	10638	-48.91	-27	Pass	601
10700	25000	1	Peak	24643.975	-37.95	-27	Pass	14300



TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5190MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	775.377	-60.51	-27	Pass	9700
1000	5150	1	Peak	5141.998	-36.62	-27	Pass	4150
5150	5350	1	Peak	5179.667	6.49	24	Pass	601
5350	10300	1	Peak	5409.012	-47.77	-27	Pass	4950
10300	10700	1	Peak	10636.667	-48.45	-27	Pass	601
10700	25000	1	Peak	24769.984	-38.09	-27	Pass	14300



TEST REPORT

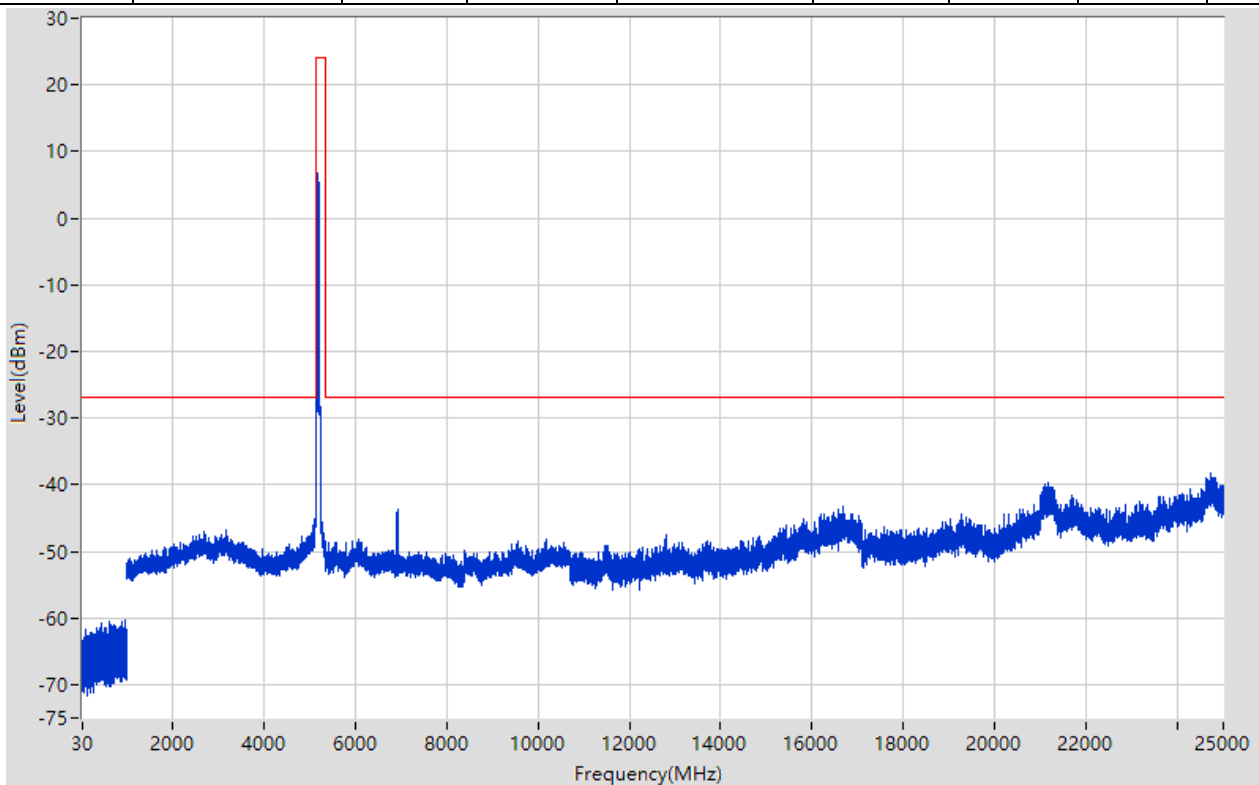
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5190MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	965.696	-60.4	-27	Pass	9700
1000	5150	1	Peak	5150	-31.97	-27	Pass	4150
5150	5350	1	Peak	5177	6.76	24	Pass	601
5350	10300	1	Peak	6920.317	-43.75	-27	Pass	4950
10300	10700	1	Peak	10558.667	-48.7	-27	Pass	601
10700	25000	1	Peak	24709.98	-38.2	-27	Pass	14300



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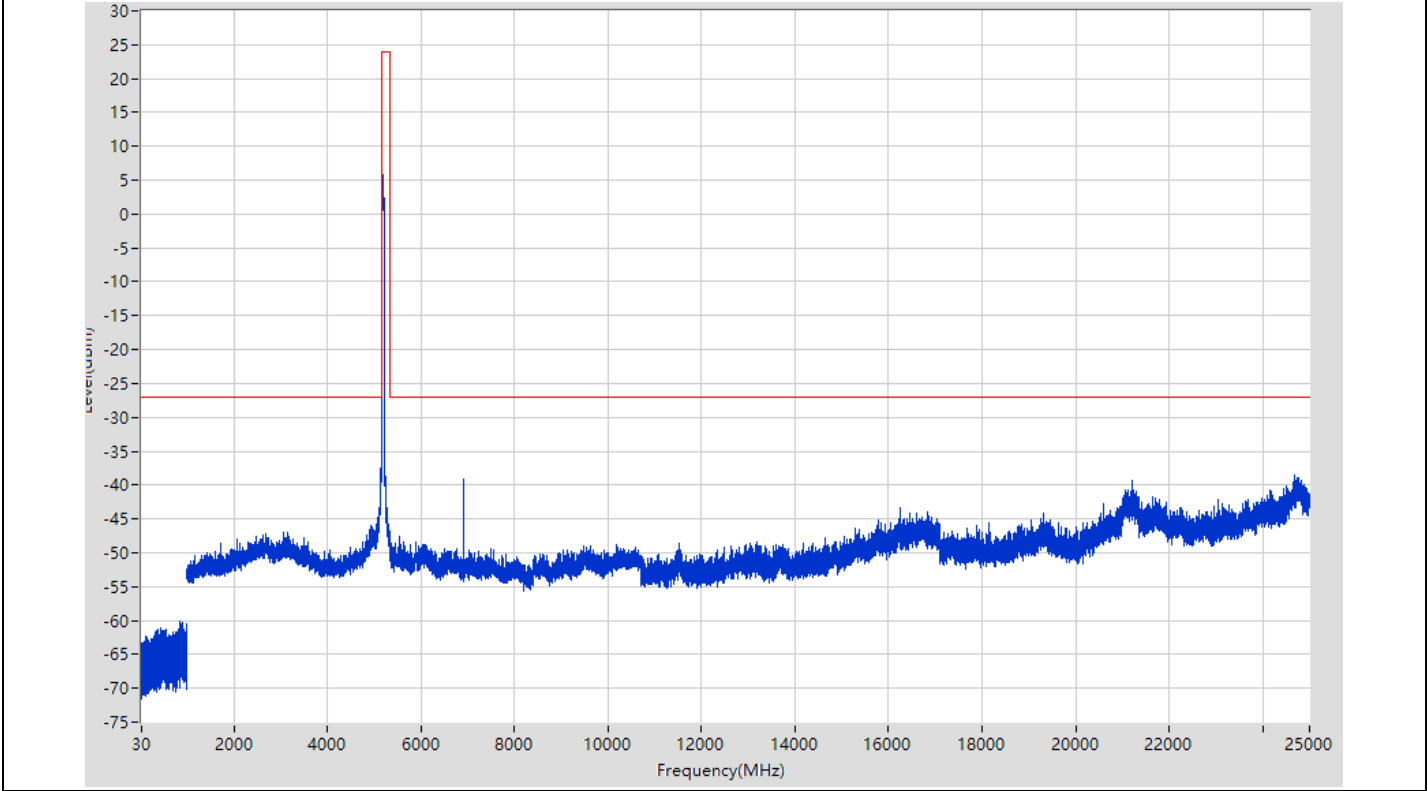
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TEST REPORT

Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5190MHz

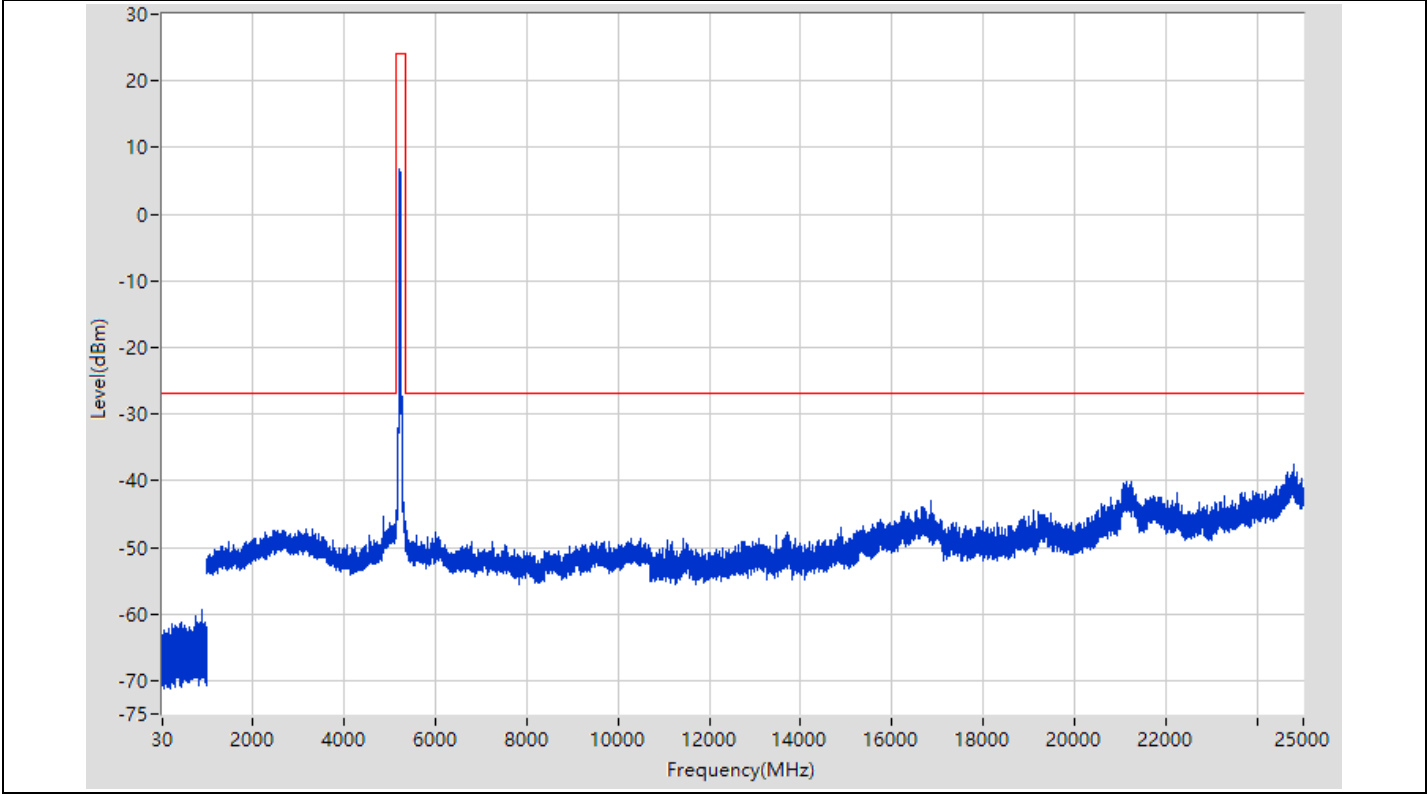
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	846.184	-60.19	-27	Pass	9700
1000	5150	1	Peak	5145.999	-37.53	-27	Pass	4150
5150	5350	1	Peak	5179.667	5.89	24	Pass	601
5350	10300	1	Peak	6920.317	-39.1	-27	Pass	4950
10300	10700	1	Peak	10600.667	-49.21	-27	Pass	601
10700	25000	1	Peak	24678.978	-38.47	-27	Pass	14300



TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5230MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	909.391	-59.24	-27	Pass	9700
1000	5150	1	Peak	4877.934	-45.27	-27	Pass	4150
5150	5350	1	Peak	5219.333	6.79	24	Pass	601
5350	10300	1	Peak	5374.005	-47.6	-27	Pass	4950
10300	10700	1	Peak	10489.333	-48.6	-27	Pass	601
10700	25000	1	Peak	24777.984	-37.65	-27	Pass	14300



TEST REPORT

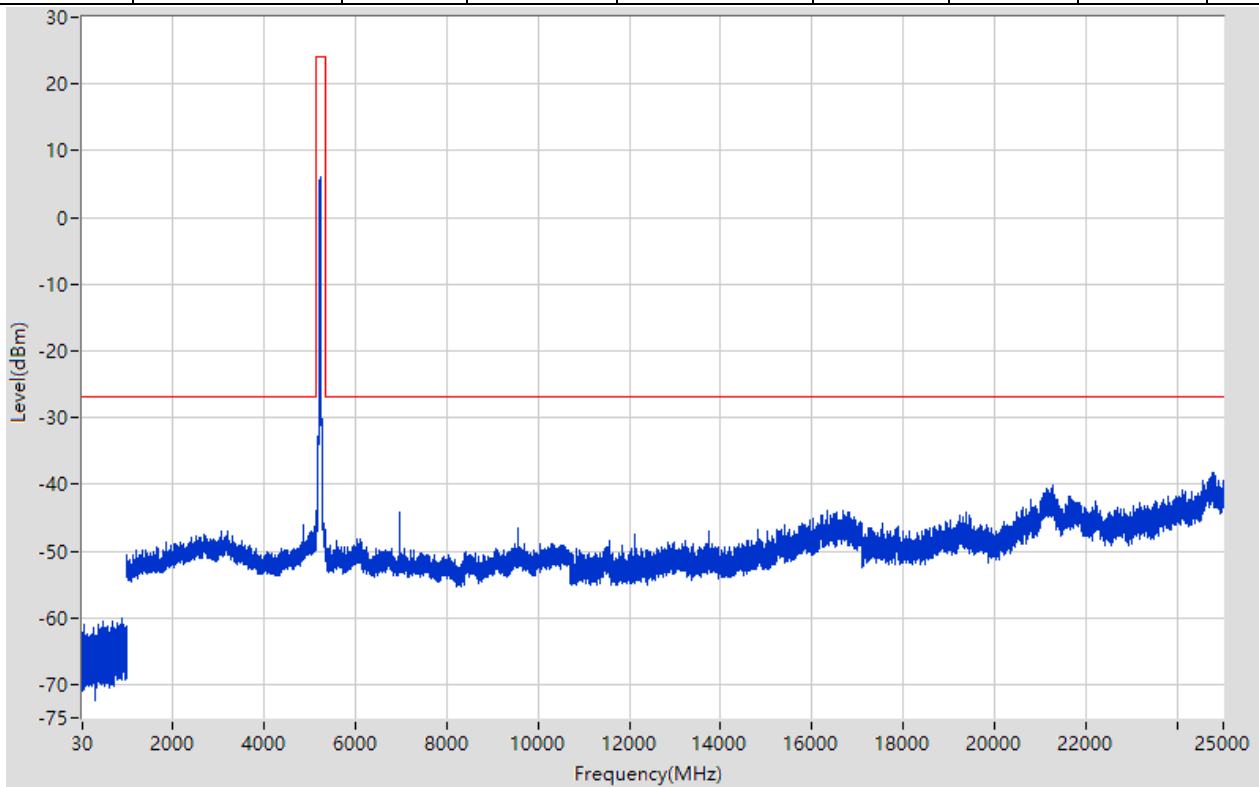
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5230MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	881.288	-59.96	-27	Pass	9700
1000	5150	1	Peak	5135.997	-46.08	-27	Pass	4150
5150	5350	1	Peak	5237.333	6.09	24	Pass	601
5350	10300	1	Peak	6973.328	-44.09	-27	Pass	4950
10300	10700	1	Peak	10321.333	-48.82	-27	Pass	601
10700	25000	1	Peak	24791.985	-38.31	-27	Pass	14300



TEST REPORT

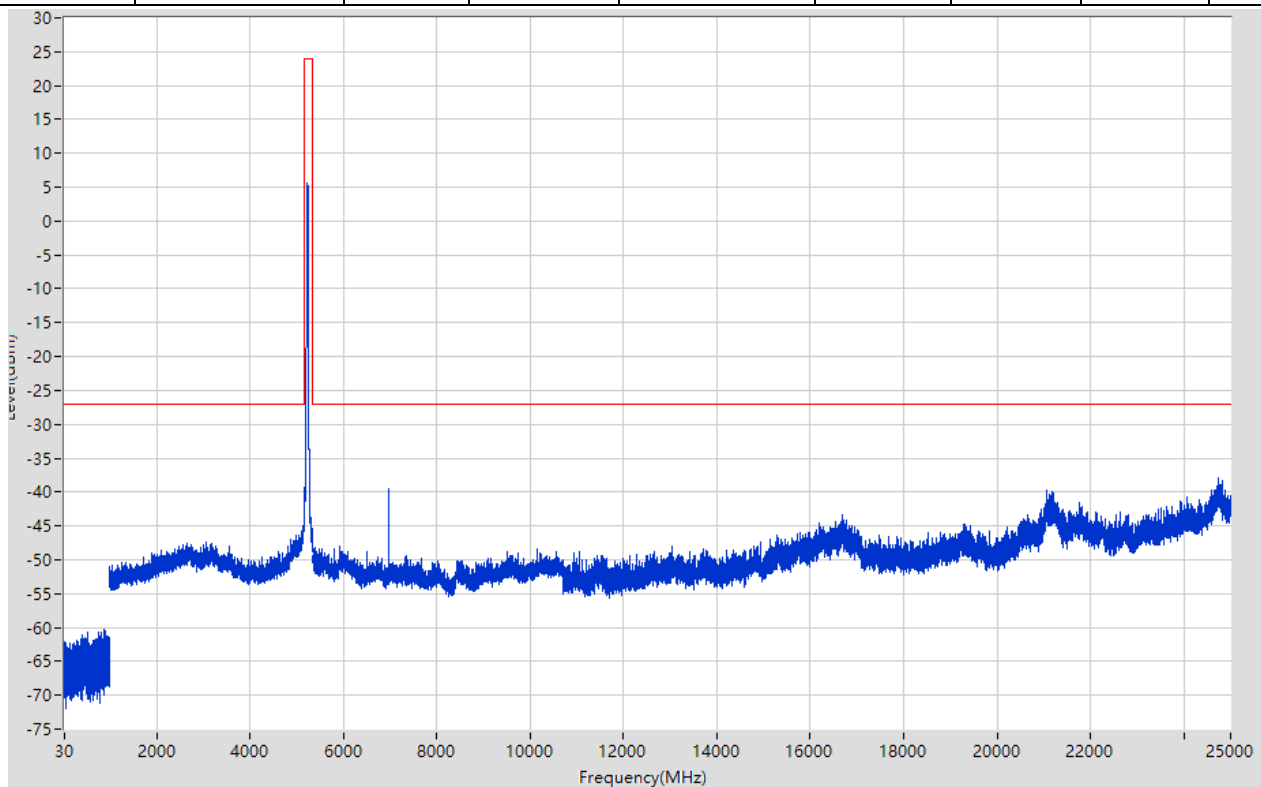
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5230MHz

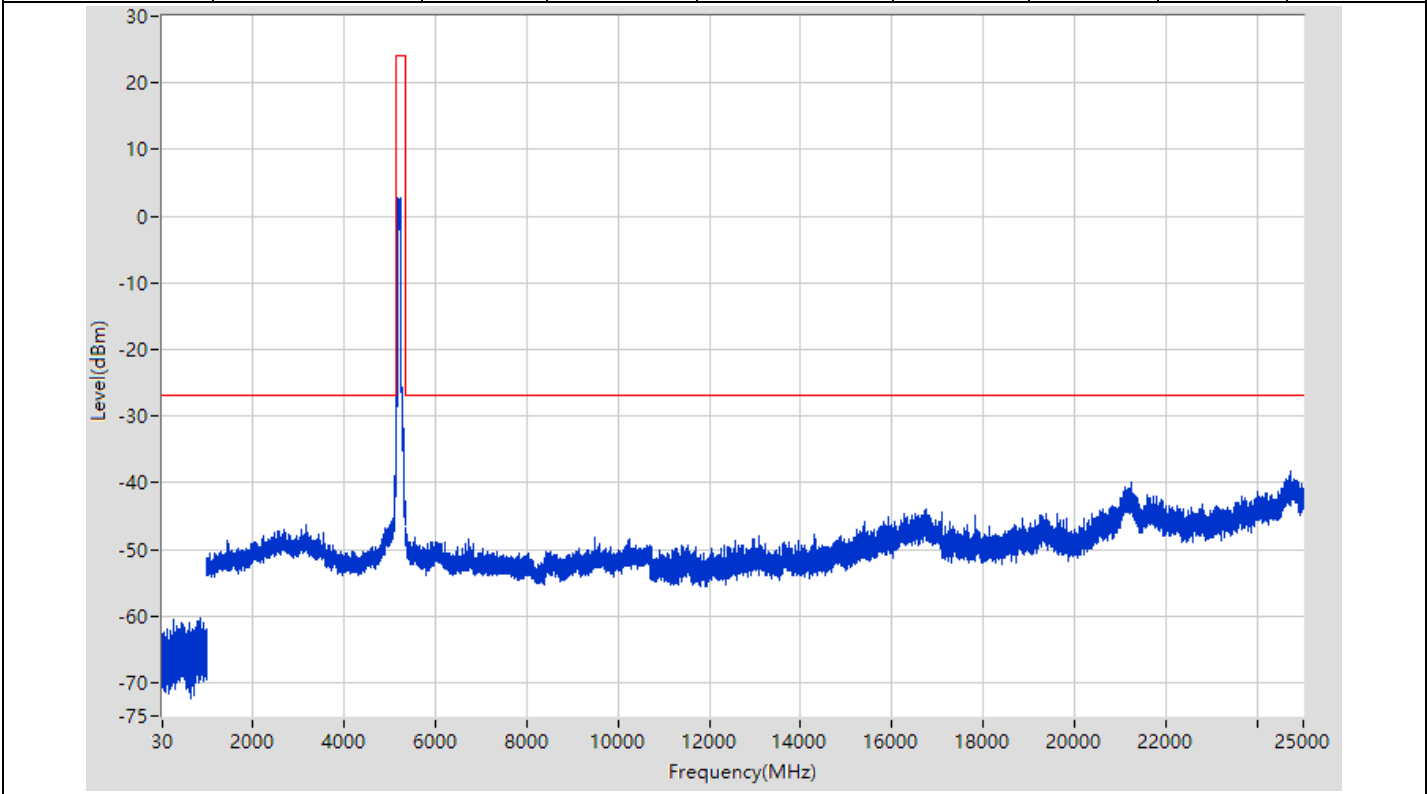
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	866.786	-60.21	-27	Pass	9700
1000	5150	1	Peak	5138.997	-44.89	-27	Pass	4150
5150	5350	1	Peak	5219.667	5.69	24	Pass	601
5350	10300	1	Peak	6973.328	-39.58	-27	Pass	4950
10300	10700	1	Peak	10567.333	-48.79	-27	Pass	601
10700	25000	1	Peak	24745.982	-37.98	-27	Pass	14300



TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5210MHz

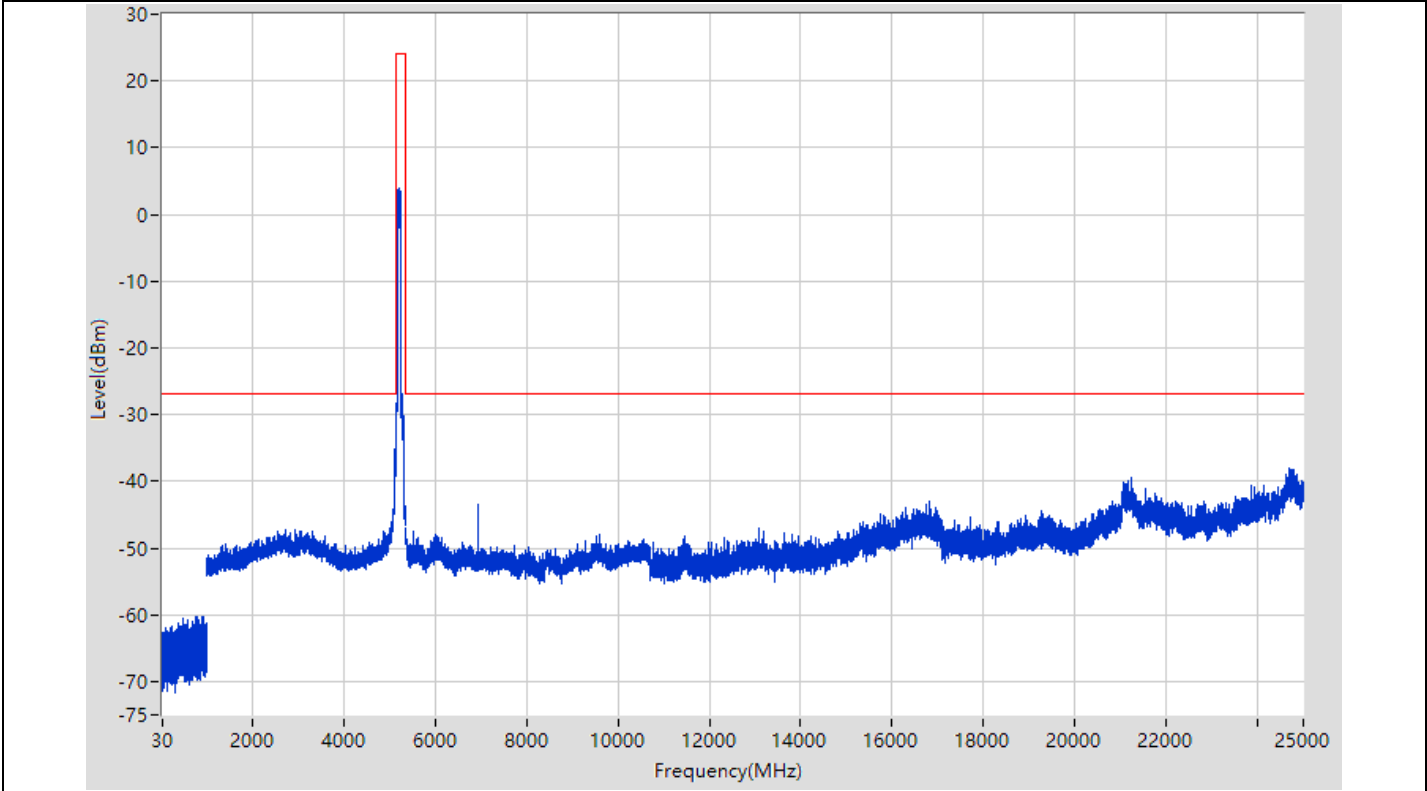
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	844.284	-60.22	-27	Pass	9700
1000	5150	1	Peak	5150	-33.21	-27	Pass	4150
5150	5350	1	Peak	5181	2.77	24	Pass	601
5350	10300	1	Peak	5350	-46.9	-27	Pass	4950
10300	10700	1	Peak	10384.667	-49.38	-27	Pass	601
10700	25000	1	Peak	24710.98	-38.28	-27	Pass	14300



TEST REPORT

MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5210MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	741.973	-60.25	-27	Pass	9700
1000	5150	1	Peak	5150	-31.82	-27	Pass	4150
5150	5350	1	Peak	5206.333	3.85	24	Pass	601
5350	10300	1	Peak	6947.323	-43.48	-27	Pass	4950
10300	10700	1	Peak	10558	-48.69	-27	Pass	601
10700	25000	1	Peak	24695.979	-38	-27	Pass	14300



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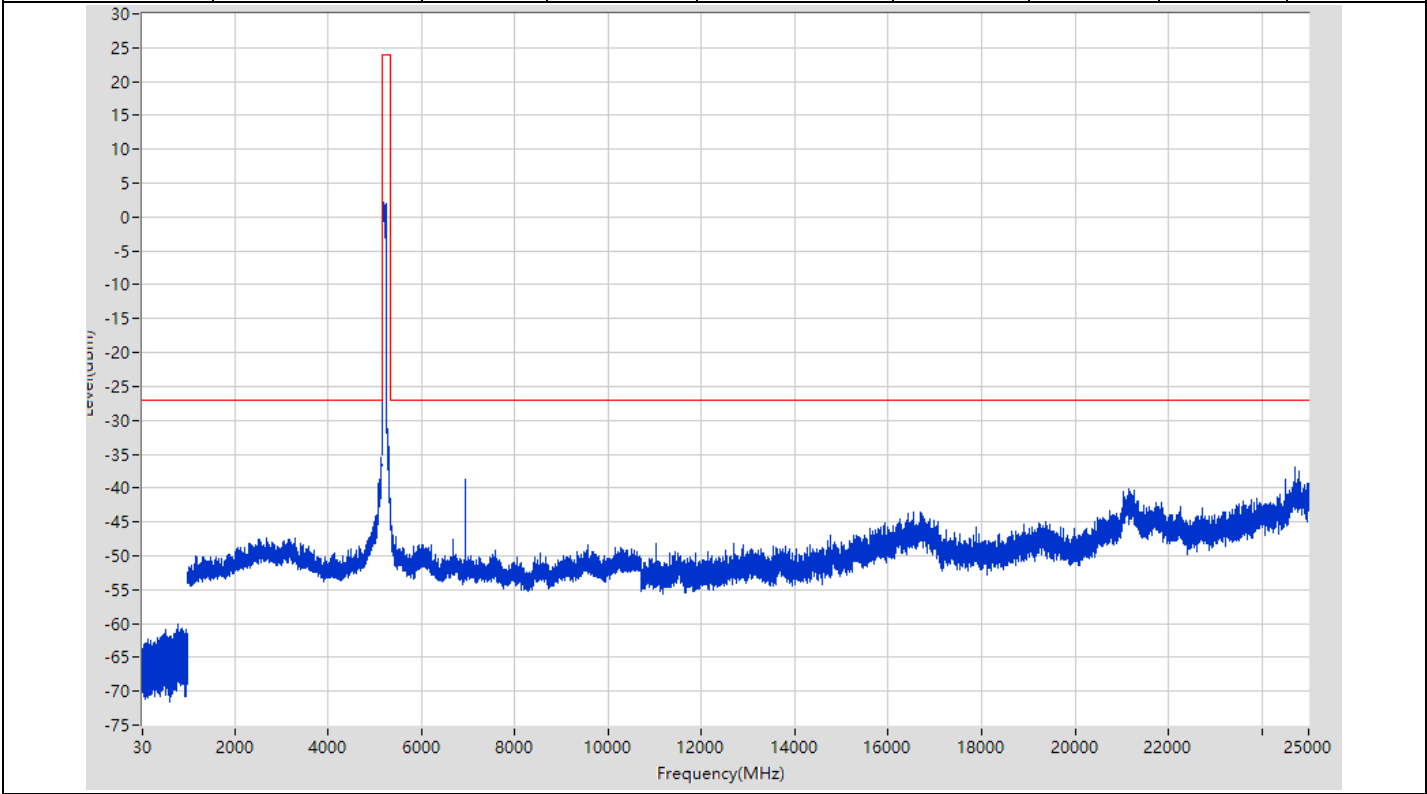
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TEST REPORT

Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5210MHz

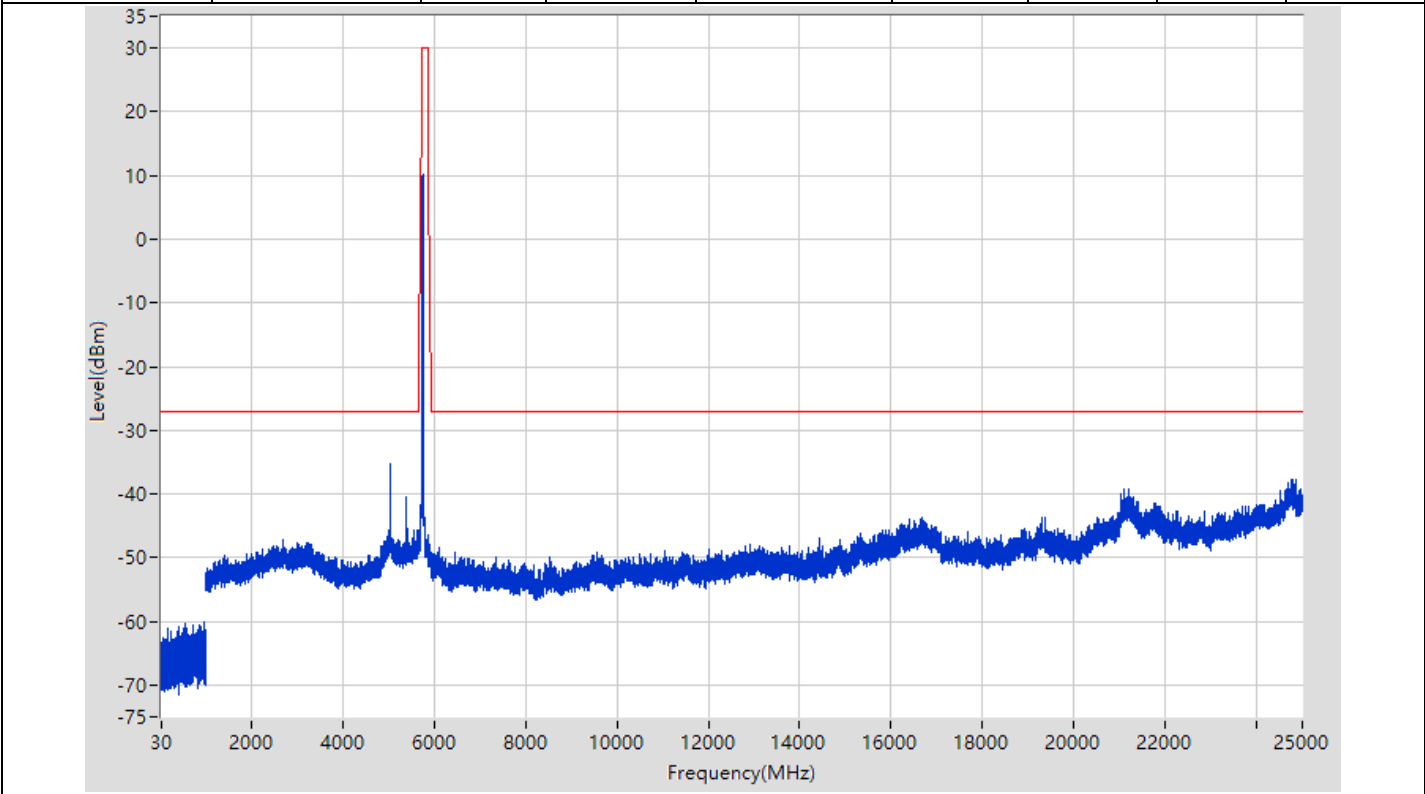
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	791.178	-60.01	-27	Pass	9700
1000	5150	1	Peak	5148	-35.52	-27	Pass	4150
5150	5350	1	Peak	5177	2.64	24	Pass	601
5350	10300	1	Peak	6946.322	-38.71	-27	Pass	4950
10300	10700	1	Peak	10300.667	-48.92	-27	Pass	601
10700	25000	1	Peak	24716.98	-36.84	-27	Pass	14300



TEST REPORT

Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	962.096	-59.99	-27	Pass	9700
1000	5650	1	Peak	5040.869	-35.33	-27	Pass	4650
5650	5700	1	Peak	5650.75	-45.72	-26.45	Pass	601
5700	5720	1	Peak	5717.767	-35.52	14.97	Pass	601
5720	5725	1	Peak	5720.242	-35.18	16.15	Pass	601
5725	5850	1	Peak	5750.417	10.28	30	Pass	601
5850	5855	1	Peak	5854.642	-47.48	16.42	Pass	601
5855	5875	1	Peak	5875	-49.16	10	Pass	601
5875	5925	1	Peak	5924.75	-49.18	-26.82	Pass	601
5925	25000	1	Peak	24779.988	-37.77	-27	Pass	19075



TEST REPORT

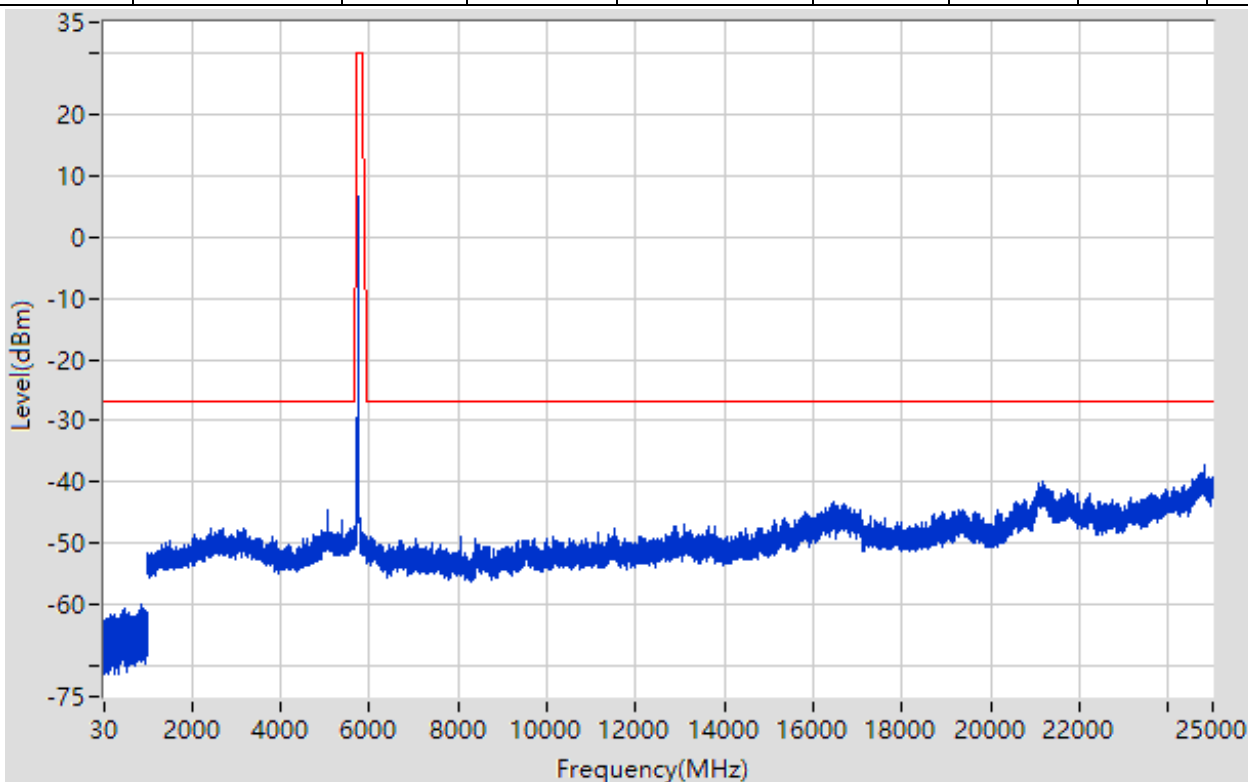
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	847.384	-59.98	-27	Pass	9700
1000	5650	1	Peak	5040.869	-44.56	-27	Pass	4650
5650	5700	1	Peak	5651.417	-47.64	-25.95	Pass	601
5700	5720	1	Peak	5719.9	-38.03	15.57	Pass	601
5720	5725	1	Peak	5720.033	-37.55	15.68	Pass	601
5725	5850	1	Peak	5737.708	6.64	30	Pass	601
5850	5855	1	Peak	5854.95	-49.78	15.71	Pass	601
5855	5875	1	Peak	5874.267	-49.66	10.21	Pass	601
5875	5925	1	Peak	5924.917	-49.35	-26.94	Pass	601
5925	25000	1	Peak	24825.991	-37.18	-27	Pass	19075



TEST REPORT

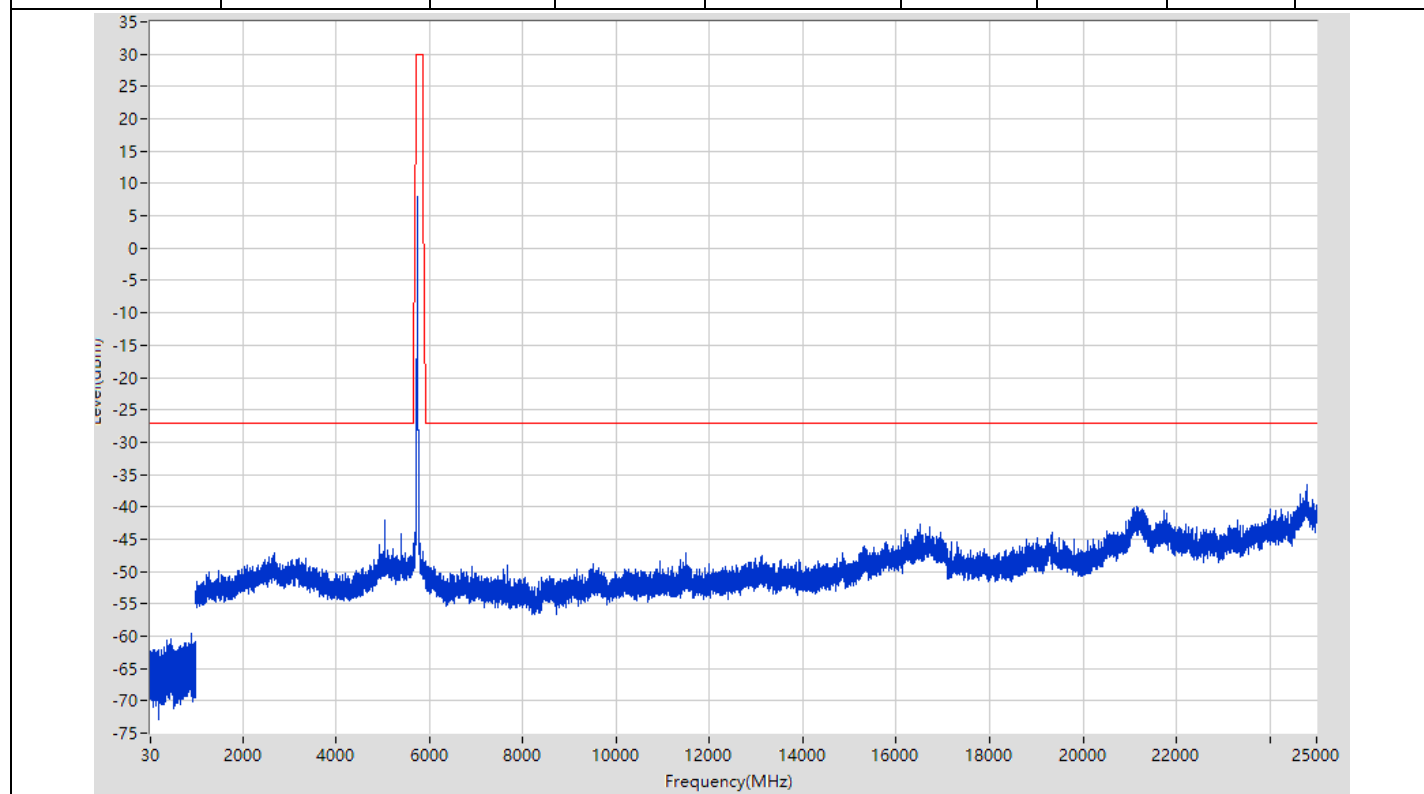
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	902.09	-59.58	-27	Pass	9700
1000	5650	1	Peak	5040.869	-42.03	-27	Pass	4650
5650	5700	1	Peak	5651.25	-45.64	-26.07	Pass	601
5700	5720	1	Peak	5719.933	-35.95	15.58	Pass	601
5720	5725	1	Peak	5720.233	-34.13	16.13	Pass	601
5725	5850	1	Peak	5739.167	7.94	30	Pass	601
5850	5855	1	Peak	5854.967	-48.18	15.68	Pass	601
5855	5875	1	Peak	5874.233	-48.51	10.21	Pass	601
5875	5925	1	Peak	5925	-49.1	-27	Pass	601
5925	25000	1	Peak	24806.99	-36.64	-27	Pass	19075



TEST REPORT

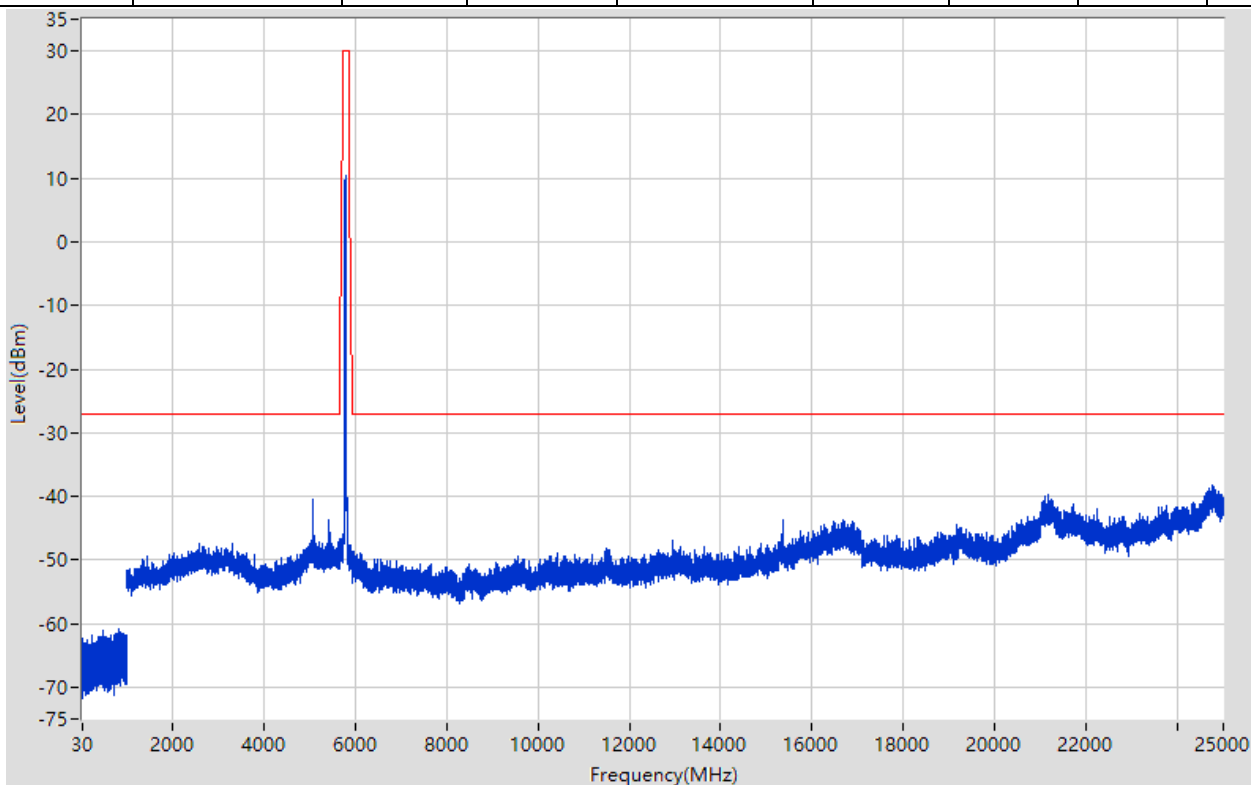
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	838.783	-60.85	-27	Pass	9700
1000	5650	1	Peak	5080.878	-40.53	-27	Pass	4650
5650	5700	1	Peak	5650.583	-48.15	-26.57	Pass	601
5700	5720	1	Peak	5700.9	-47.52	10.25	Pass	601
5720	5725	1	Peak	5720.217	-47.42	16.09	Pass	601
5725	5850	1	Peak	5790.833	10.53	30	Pass	601
5850	5855	1	Peak	5854.992	-48.83	15.62	Pass	601
5855	5875	1	Peak	5874.767	-49.03	10.07	Pass	601
5875	5925	1	Peak	5924.333	-48.64	-26.51	Pass	601
5925	25000	1	Peak	24742.987	-38.27	-27	Pass	19075



TEST REPORT

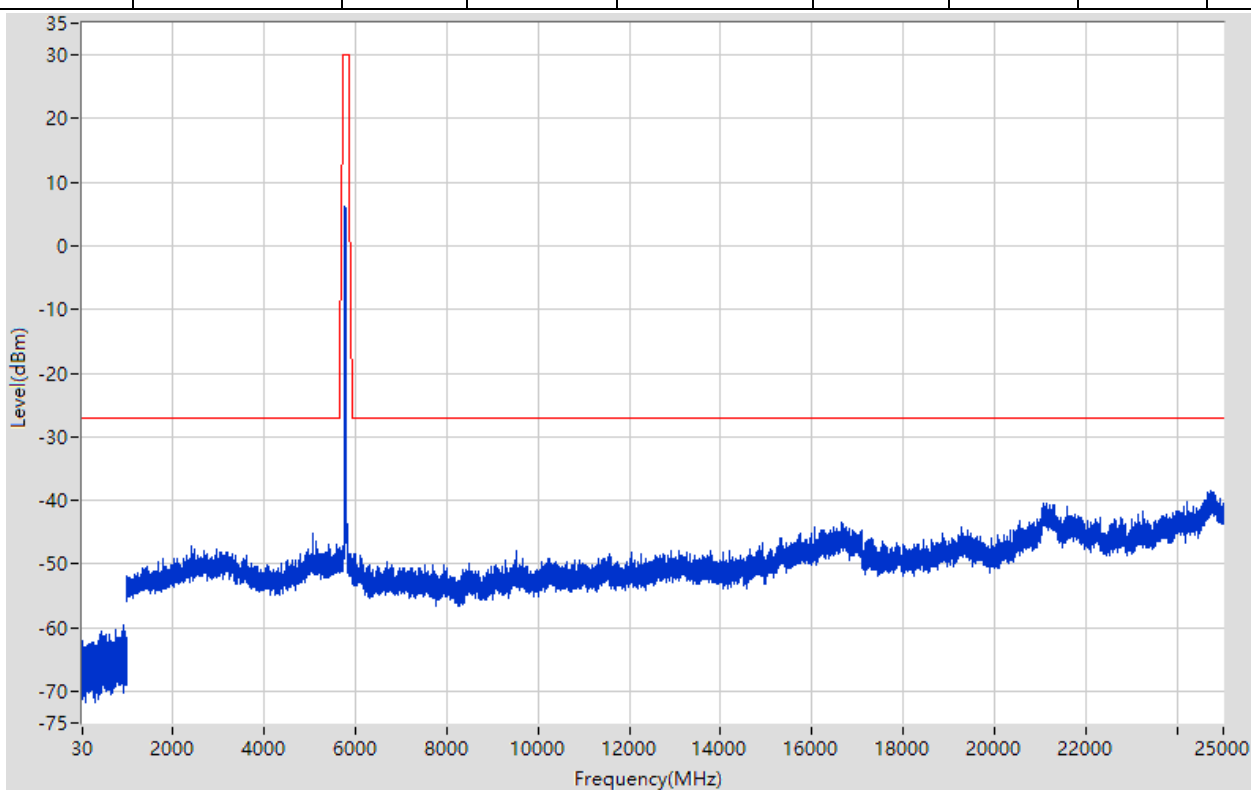
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	933.393	-59.61	-27	Pass	9700
1000	5650	1	Peak	5080.878	-45.27	-27	Pass	4650
5650	5700	1	Peak	5650.5	-49.22	-26.63	Pass	601
5700	5720	1	Peak	5700.167	-48.87	10.05	Pass	601
5720	5725	1	Peak	5720.058	-48.6	15.73	Pass	601
5725	5850	1	Peak	5777.708	6.24	30	Pass	601
5850	5855	1	Peak	5854.908	-49.23	15.81	Pass	601
5855	5875	1	Peak	5873.1	-49.02	10.53	Pass	601
5875	5925	1	Peak	5924.667	-49.72	-26.75	Pass	601
5925	25000	1	Peak	24738.986	-38.57	-27	Pass	19075



TEST REPORT

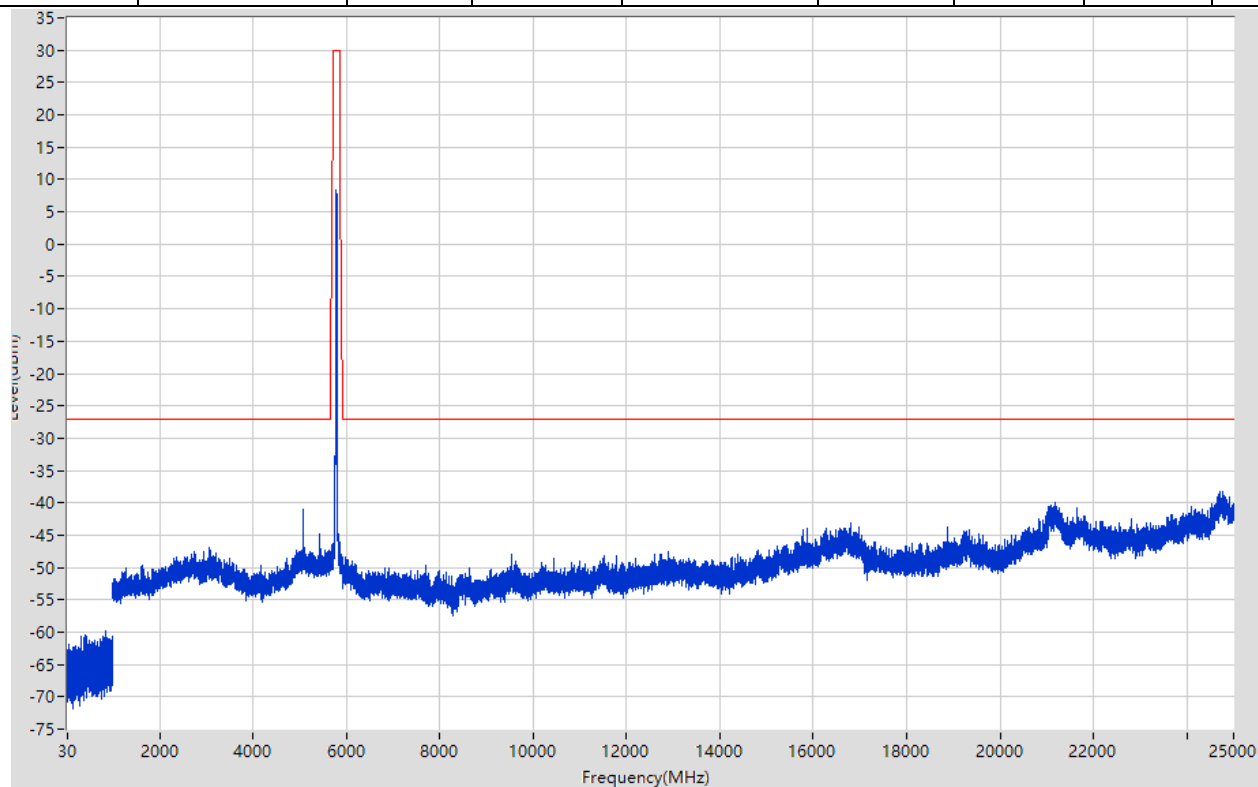
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	836.583	-59.82	-27	Pass	9700
1000	5650	1	Peak	5080.878	-41.08	-27	Pass	4650
5650	5700	1	Peak	5650.083	-49	-26.94	Pass	601
5700	5720	1	Peak	5701.5	-47.32	10.42	Pass	601
5720	5725	1	Peak	5720.175	-47.2	16	Pass	601
5725	5850	1	Peak	5788.125	8.47	30	Pass	601
5850	5855	1	Peak	5854.983	-48.7	15.64	Pass	601
5855	5875	1	Peak	5875	-48.76	10	Pass	601
5875	5925	1	Peak	5924.083	-48.44	-26.32	Pass	601
5925	25000	1	Peak	24710.985	-38.22	-27	Pass	19075



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TEST REPORT

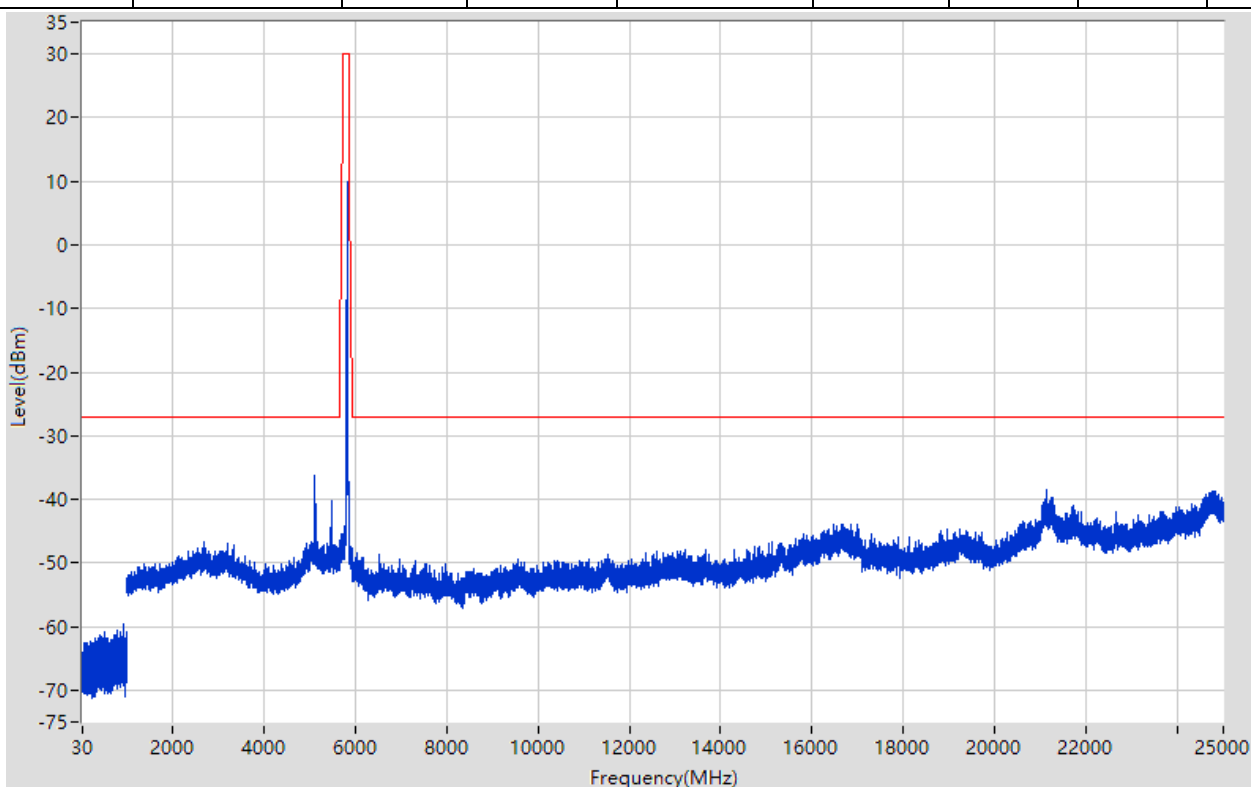
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	917.491	-59.54	-27	Pass	9700
1000	5650	1	Peak	5120.886	-36.2	-27	Pass	4650
5650	5700	1	Peak	5650.417	-48.17	-26.69	Pass	601
5700	5720	1	Peak	5700.667	-46.74	10.19	Pass	601
5720	5725	1	Peak	5720.233	-46.16	16.13	Pass	601
5725	5850	1	Peak	5830.833	9.99	30	Pass	601
5850	5855	1	Peak	5854.633	-38.51	16.44	Pass	601
5855	5875	1	Peak	5855.467	-39.2	15.47	Pass	601
5875	5925	1	Peak	5924.167	-47.78	-26.38	Pass	601
5925	25000	1	Peak	21121.797	-38.55	-27	Pass	19075



TEST REPORT

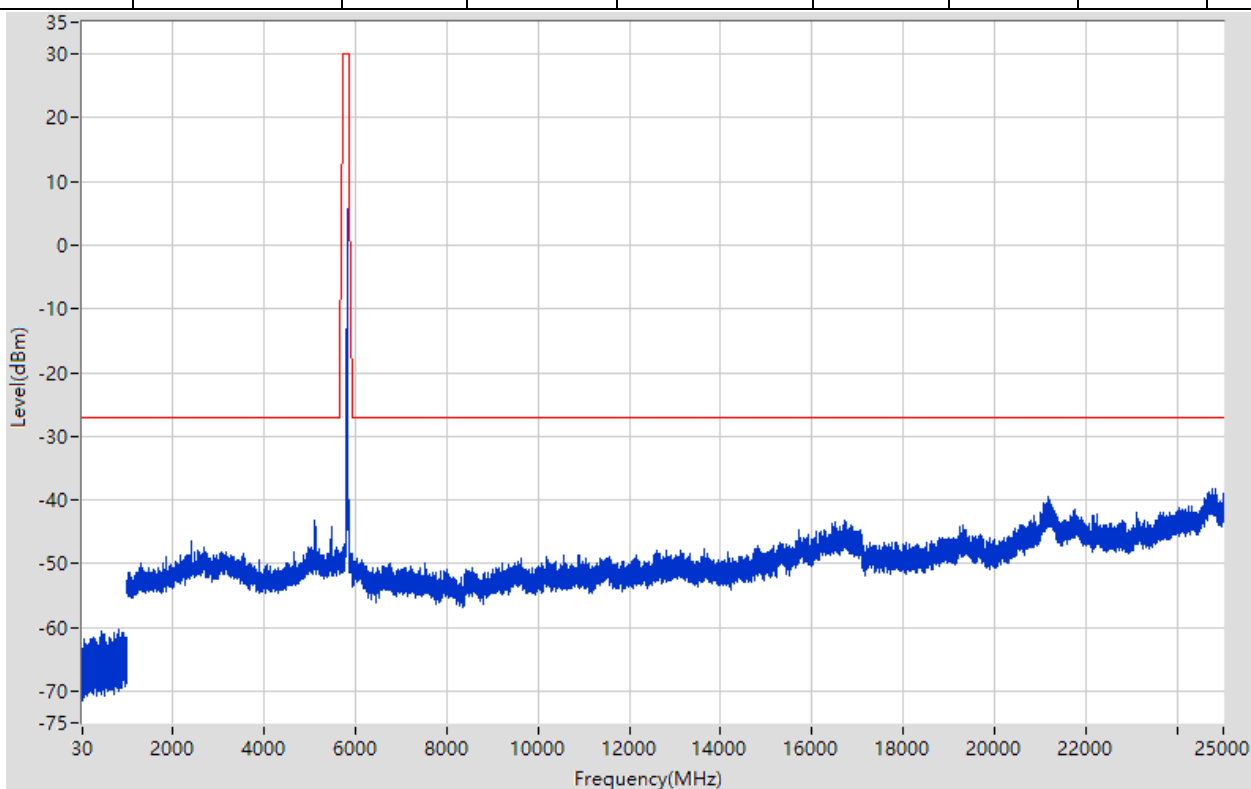
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11a, 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	823.582	-60.3	-27	Pass	9700
1000	5650	1	Peak	5120.886	-43.27	-27	Pass	4650
5650	5700	1	Peak	5650.5	-48.9	-26.63	Pass	601
5700	5720	1	Peak	5700.7	-48.98	10.2	Pass	601
5720	5725	1	Peak	5720.567	-47.84	16.89	Pass	601
5725	5850	1	Peak	5817.708	5.8	30	Pass	601
5850	5855	1	Peak	5854.917	-41.41	15.79	Pass	601
5855	5875	1	Peak	5855.733	-41.13	15.39	Pass	601
5875	5925	1	Peak	5924.75	-49.32	-26.82	Pass	601
5925	25000	1	Peak	24812.99	-38.36	-27	Pass	19075



TEST REPORT

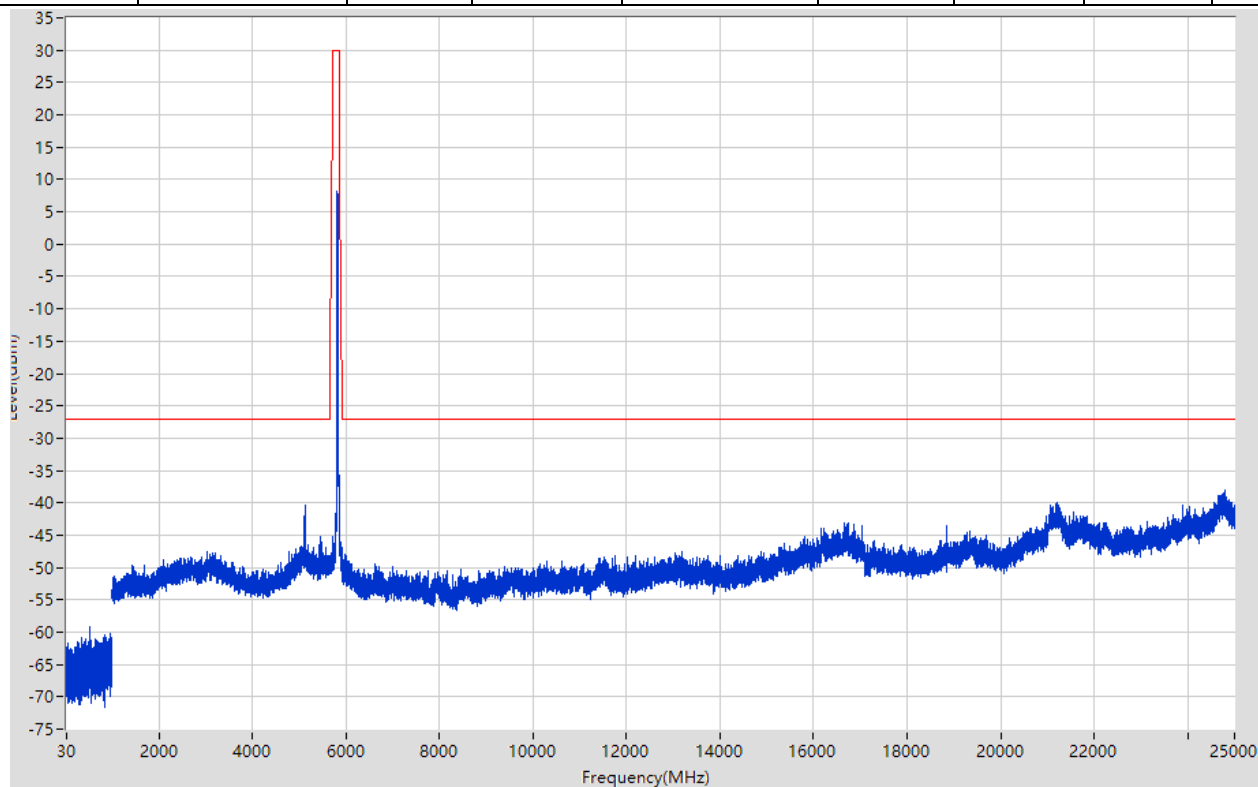
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	539.152	-59.17	-27	Pass	9700
1000	5650	1	Peak	5120.886	-40.27	-27	Pass	4650
5650	5700	1	Peak	5650.583	-48.63	-26.57	Pass	601
5700	5720	1	Peak	5702.267	-47.71	10.63	Pass	601
5720	5725	1	Peak	5720.867	-45.18	17.58	Pass	601
5725	5850	1	Peak	5818.958	8.1	30	Pass	601
5850	5855	1	Peak	5854.508	-38.36	16.72	Pass	601
5855	5875	1	Peak	5855.667	-39.07	15.41	Pass	601
5875	5925	1	Peak	5924.75	-48.56	-26.82	Pass	601
5925	25000	1	Peak	24799.99	-38.01	-27	Pass	19075



TEST REPORT

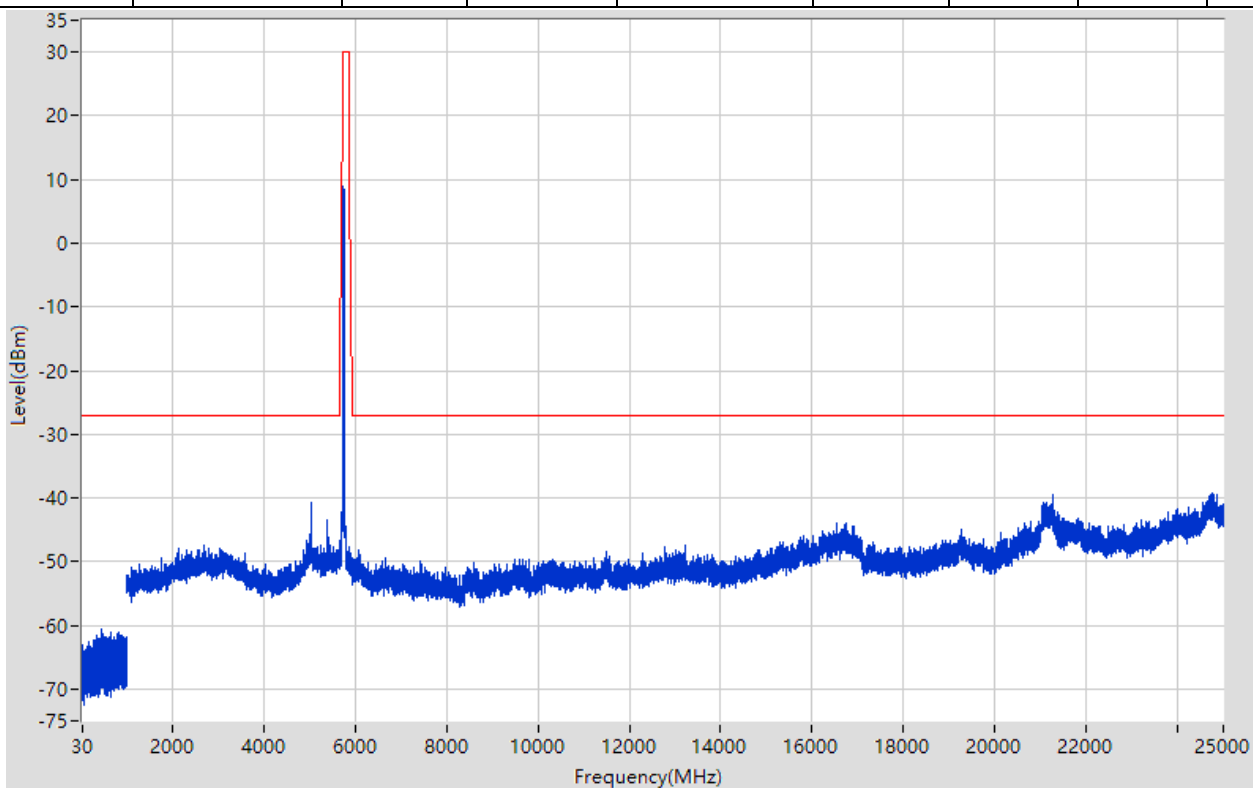
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	430.041	-60.59	-27	Pass	9700
1000	5650	1	Peak	5040.869	-40.74	-27	Pass	4650
5650	5700	1	Peak	5650.917	-46.72	-26.32	Pass	601
5700	5720	1	Peak	5720	-34.1	15.6	Pass	601
5720	5725	1	Peak	5720.025	-33.52	15.66	Pass	601
5725	5850	1	Peak	5739.167	8.93	30	Pass	601
5850	5855	1	Peak	5854.908	-48.94	15.81	Pass	601
5855	5875	1	Peak	5873.9	-49	10.31	Pass	601
5875	5925	1	Peak	5924.667	-49.93	-26.75	Pass	601
5925	25000	1	Peak	24766.988	-39.24	-27	Pass	19075



TEST REPORT

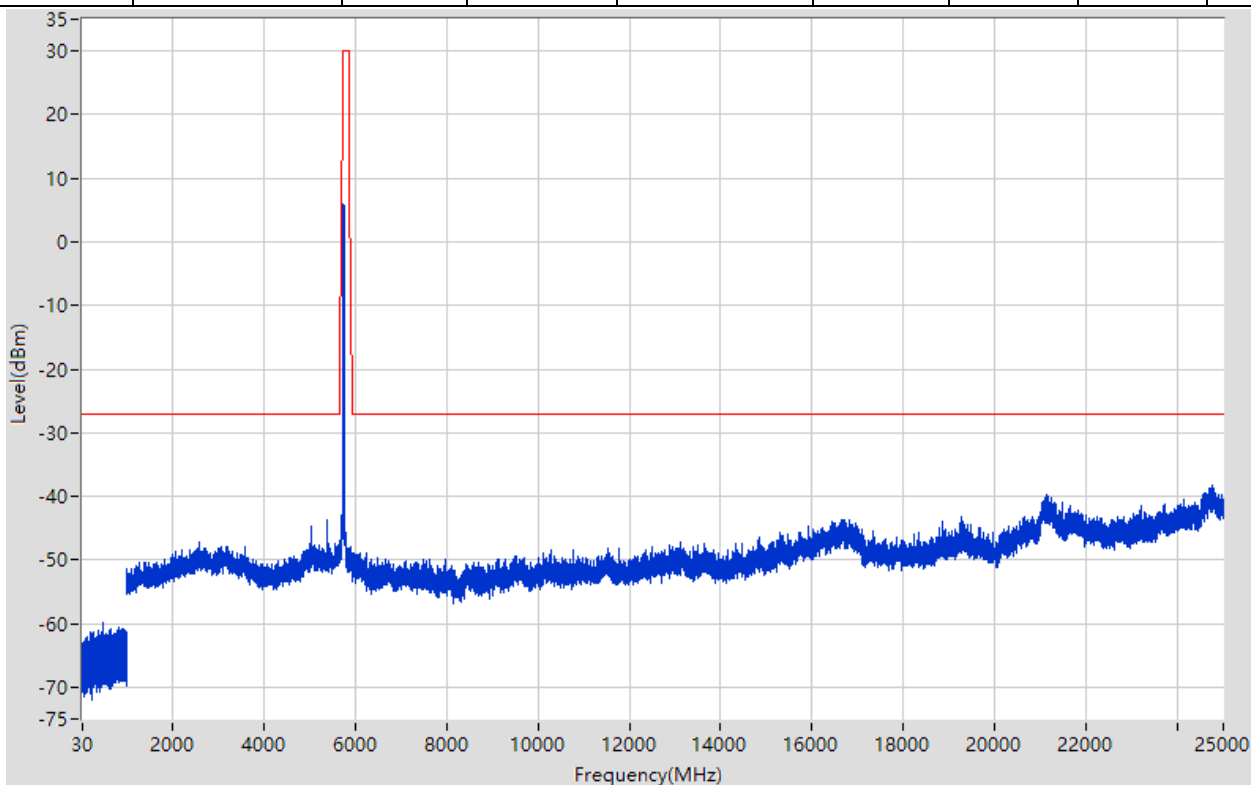
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	468.245	-59.87	-27	Pass	9700
1000	5650	1	Peak	5392.945	-43.6	-27	Pass	4650
5650	5700	1	Peak	5650.25	-47.69	-26.82	Pass	601
5700	5720	1	Peak	5714.533	-39.86	14.07	Pass	601
5720	5725	1	Peak	5720.492	-37.21	16.72	Pass	601
5725	5850	1	Peak	5737.292	6.05	30	Pass	601
5850	5855	1	Peak	5854.775	-48.8	16.11	Pass	601
5855	5875	1	Peak	5874.667	-49.01	10.09	Pass	601
5875	5925	1	Peak	5924.667	-49.28	-26.75	Pass	601
5925	25000	1	Peak	24773.988	-38.33	-27	Pass	19075



TEST REPORT

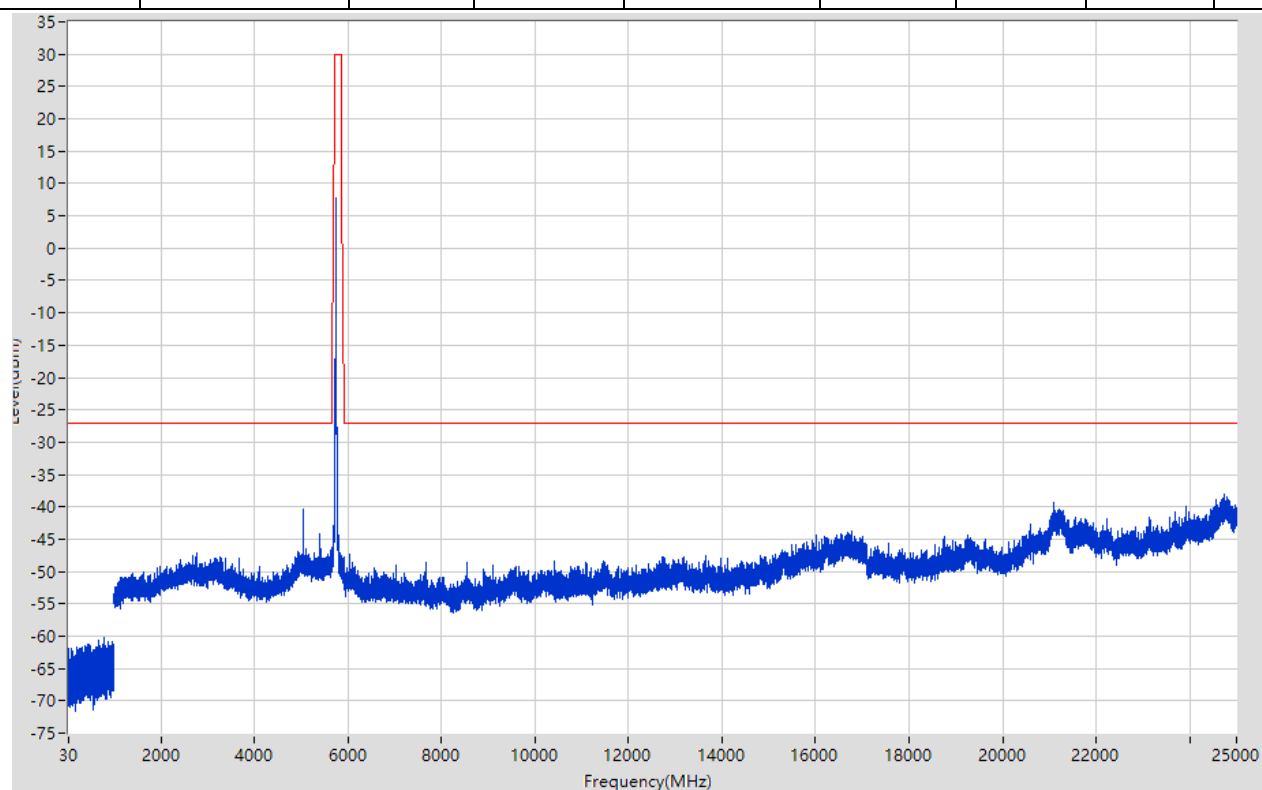
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	788.778	-60.29	-27	Pass	9700
1000	5650	1	Peak	5040.869	-40.38	-27	Pass	4650
5650	5700	1	Peak	5650.75	-47.15	-26.45	Pass	601
5700	5720	1	Peak	5719.667	-35.62	15.51	Pass	601
5720	5725	1	Peak	5720.7	-32.99	17.2	Pass	601
5725	5850	1	Peak	5740.417	7.82	30	Pass	601
5850	5855	1	Peak	5854.825	-47.69	16	Pass	601
5855	5875	1	Peak	5874.5	-48.43	10.14	Pass	601
5875	5925	1	Peak	5924.917	-48.32	-26.94	Pass	601
5925	25000	1	Peak	24751.987	-38.14	-27	Pass	19075



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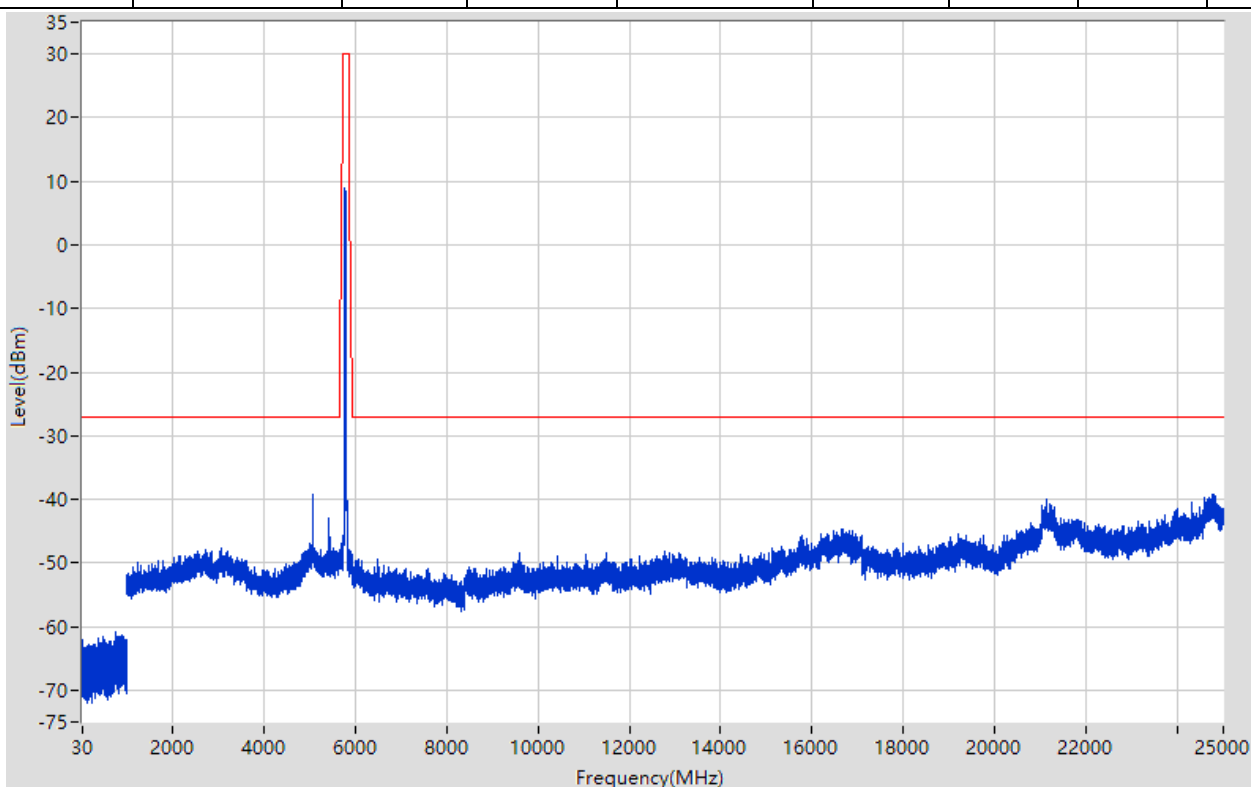
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	769.276	-60.93	-27	Pass	9700
1000	5650	1	Peak	5080.878	-39.37	-27	Pass	4650
5650	5700	1	Peak	5650	-49.68	-27	Pass	601
5700	5720	1	Peak	5700.433	-48.01	10.12	Pass	601
5720	5725	1	Peak	5720.292	-47.6	16.27	Pass	601
5725	5850	1	Peak	5779.167	8.99	30	Pass	601
5850	5855	1	Peak	5854.708	-48.63	16.27	Pass	601
5855	5875	1	Peak	5873.667	-48.72	10.37	Pass	601
5875	5925	1	Peak	5924.5	-49.16	-26.63	Pass	601
5925	25000	1	Peak	24804.99	-39.26	-27	Pass	19075



TEST REPORT

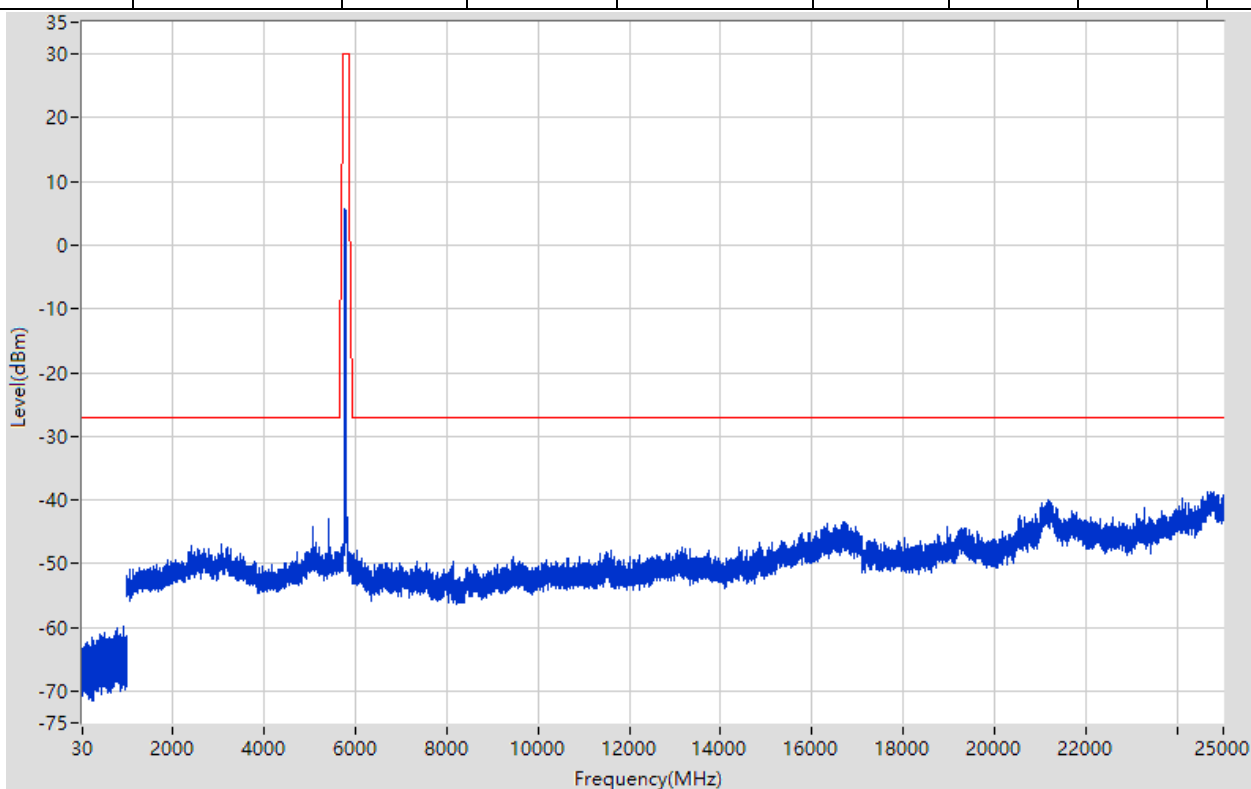
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	927.893	-59.85	-27	Pass	9700
1000	5650	1	Peak	5432.953	-43.06	-27	Pass	4650
5650	5700	1	Peak	5650.5	-48.86	-26.63	Pass	601
5700	5720	1	Peak	5703.733	-47.51	11.05	Pass	601
5720	5725	1	Peak	5720.275	-48.1	16.23	Pass	601
5725	5850	1	Peak	5777.292	5.82	30	Pass	601
5850	5855	1	Peak	5854.958	-49.28	15.7	Pass	601
5855	5875	1	Peak	5872.133	-48.7	10.8	Pass	601
5875	5925	1	Peak	5924.75	-49.25	-26.82	Pass	601
5925	25000	1	Peak	24724.986	-38.66	-27	Pass	19075



TEST REPORT

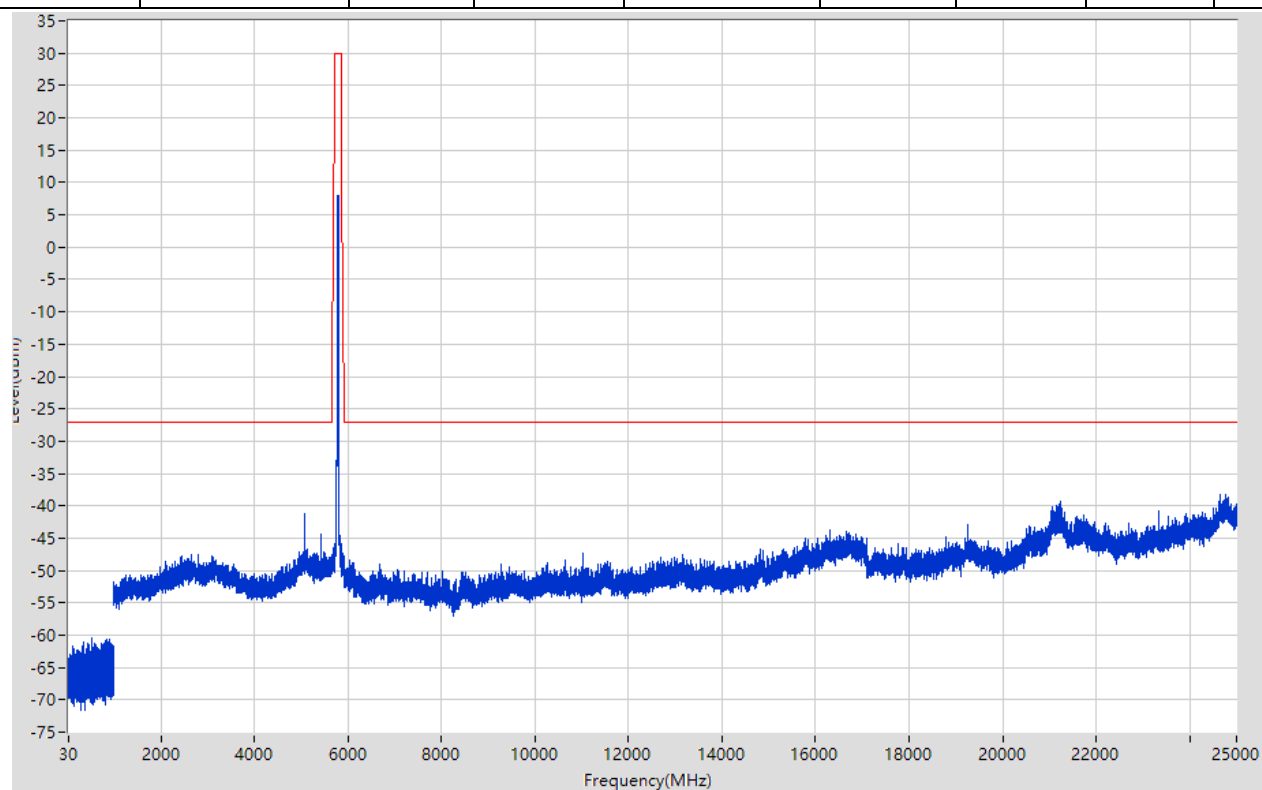
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	512.95	-60.49	-27	Pass	9700
1000	5650	1	Peak	5080.878	-41.2	-27	Pass	4650
5650	5700	1	Peak	5650.083	-48.47	-26.94	Pass	601
5700	5720	1	Peak	5700.767	-47.71	10.21	Pass	601
5720	5725	1	Peak	5720.2	-46.25	16.06	Pass	601
5725	5850	1	Peak	5788.333	8.06	30	Pass	601
5850	5855	1	Peak	5854.833	-47.64	15.98	Pass	601
5855	5875	1	Peak	5874.533	-48.04	10.13	Pass	601
5875	5925	1	Peak	5924.333	-48.64	-26.51	Pass	601
5925	25000	1	Peak	24766.988	-38.26	-27	Pass	19075



TEST REPORT

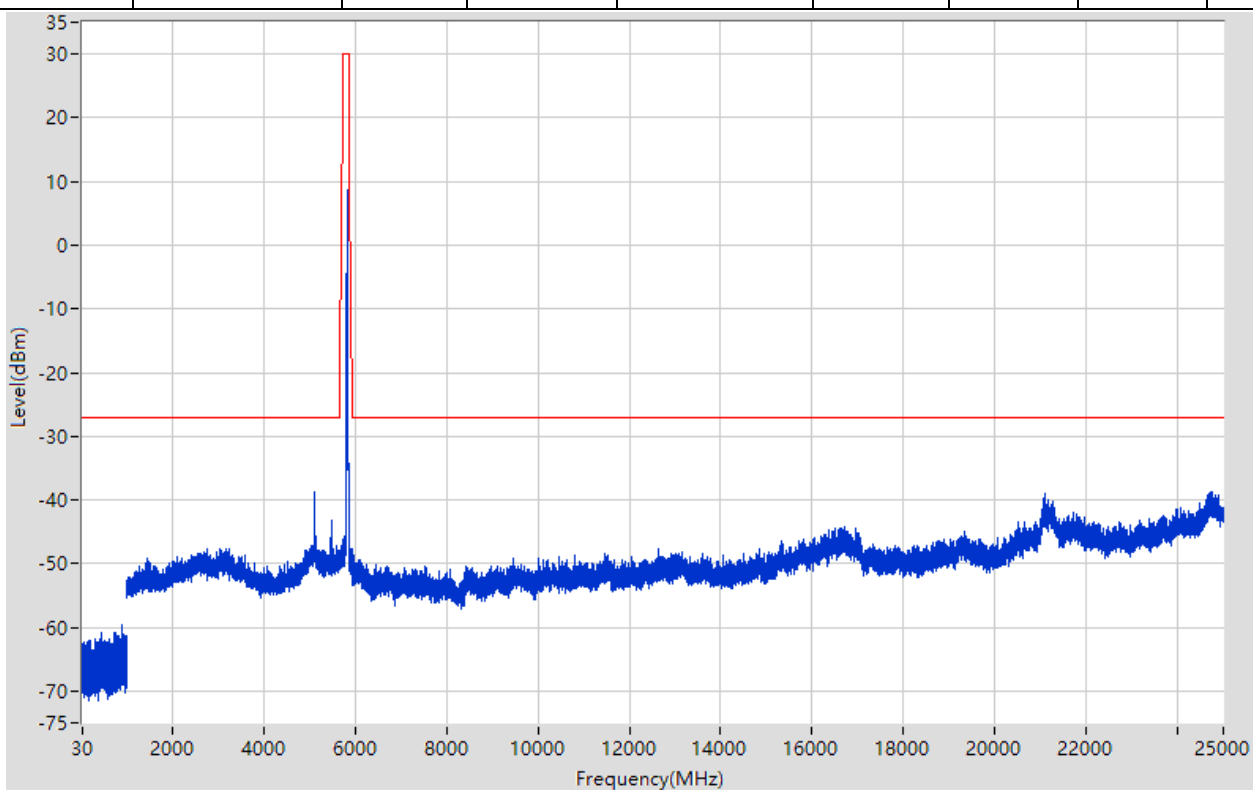
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	910.491	-59.71	-27	Pass	9700
1000	5650	1	Peak	5120.886	-38.75	-27	Pass	4650
5650	5700	1	Peak	5650.667	-48.86	-26.51	Pass	601
5700	5720	1	Peak	5700	-47.87	10	Pass	601
5720	5725	1	Peak	5720.042	-47.59	15.7	Pass	601
5725	5850	1	Peak	5819.167	8.77	30	Pass	601
5850	5855	1	Peak	5854.775	-39.15	16.11	Pass	601
5855	5875	1	Peak	5856.2	-40.08	15.26	Pass	601
5875	5925	1	Peak	5924.75	-49.62	-26.82	Pass	601
5925	25000	1	Peak	24738.986	-38.75	-27	Pass	19075



TEST REPORT

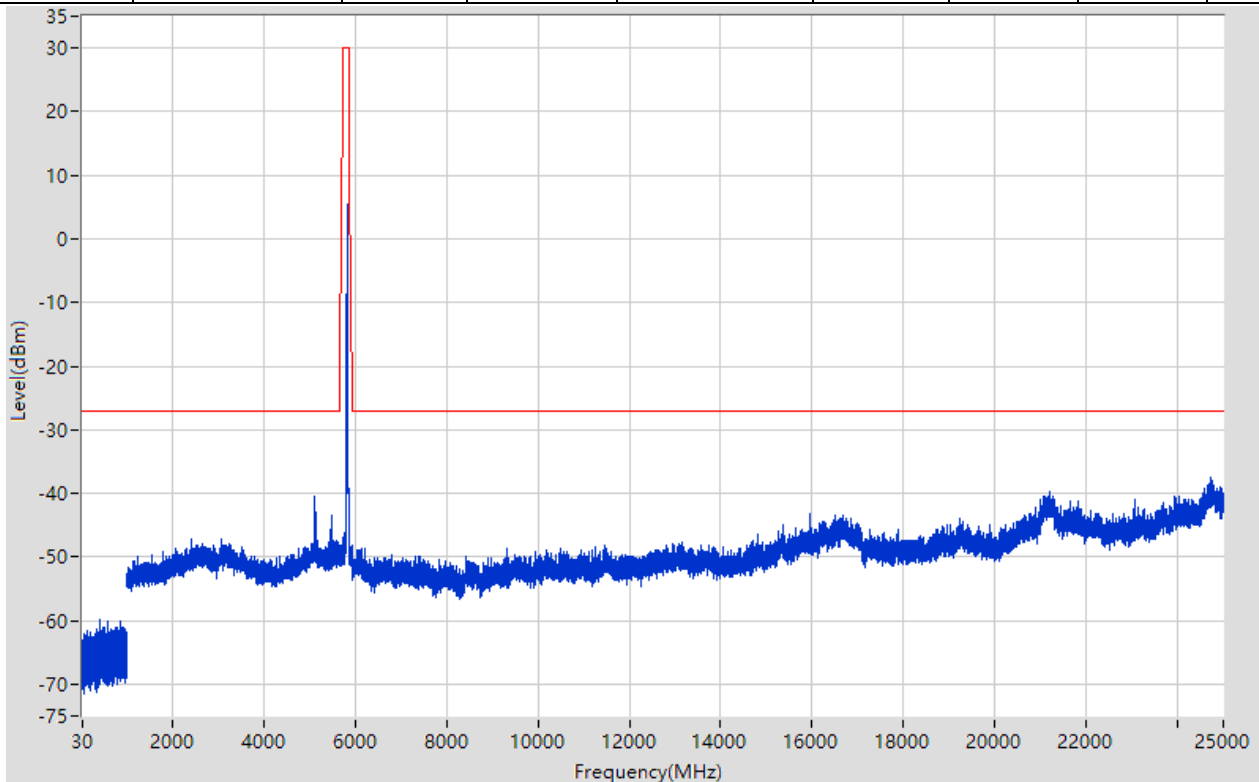
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	404.839	-59.83	-27	Pass	9700
1000	5650	1	Peak	5121.886	-40.42	-27	Pass	4650
5650	5700	1	Peak	5650.75	-48.9	-26.45	Pass	601
5700	5720	1	Peak	5700.2	-48.88	10.06	Pass	601
5720	5725	1	Peak	5720.158	-48.78	15.96	Pass	601
5725	5850	1	Peak	5823.75	5.35	30	Pass	601
5850	5855	1	Peak	5854.908	-42.04	15.81	Pass	601
5855	5875	1	Peak	5855.667	-41.53	15.41	Pass	601
5875	5925	1	Peak	5924.917	-49.22	-26.94	Pass	601
5925	25000	1	Peak	24734.986	-37.59	-27	Pass	19075



TEST REPORT

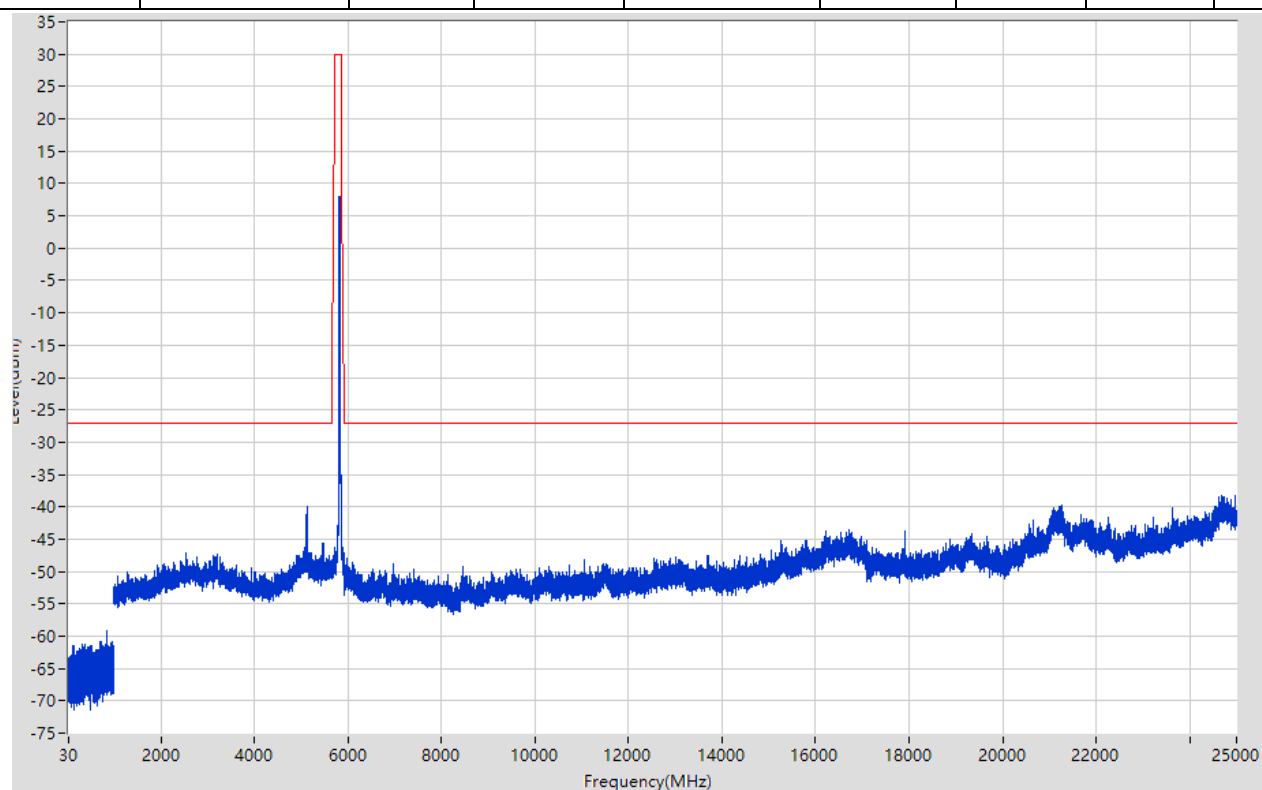
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	850.485	-59.08	-27	Pass	9700
1000	5650	1	Peak	5120.886	-39.87	-27	Pass	4650
5650	5700	1	Peak	5650.167	-49.32	-26.88	Pass	601
5700	5720	1	Peak	5701.267	-47.9	10.35	Pass	601
5720	5725	1	Peak	5720.067	-47.42	15.75	Pass	601
5725	5850	1	Peak	5831.042	8.04	30	Pass	601
5850	5855	1	Peak	5854.992	-39.02	15.62	Pass	601
5855	5875	1	Peak	5856.767	-39.15	15.11	Pass	601
5875	5925	1	Peak	5924.333	-48.4	-26.51	Pass	601
5925	25000	1	Peak	24957.998	-38.16	-27	Pass	19075



TEST REPORT

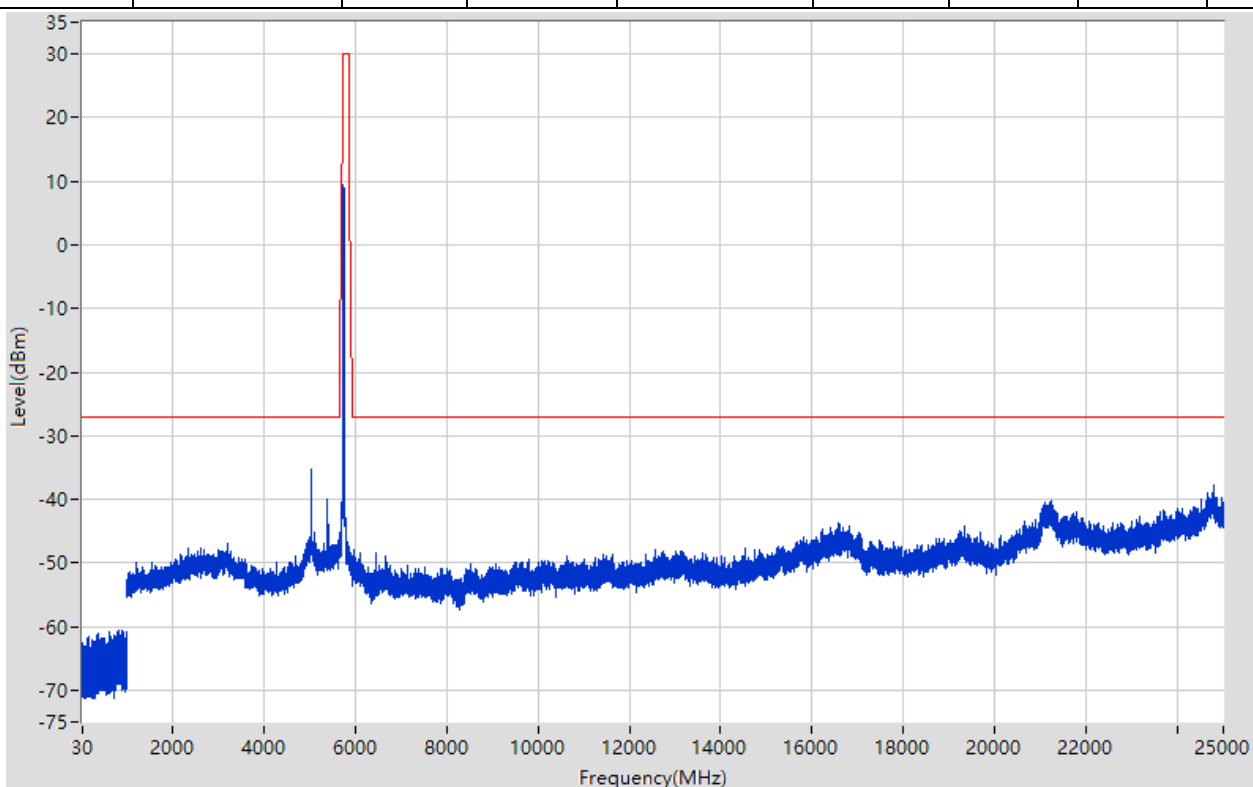
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	900.99	-60.53	-27	Pass	9700
1000	5650	1	Peak	5040.869	-35.31	-27	Pass	4650
5650	5700	1	Peak	5650.333	-46.68	-26.75	Pass	601
5700	5720	1	Peak	5719.7	-34.46	15.52	Pass	601
5720	5725	1	Peak	5720.517	-31.8	16.78	Pass	601
5725	5850	1	Peak	5739.167	9.43	30	Pass	601
5850	5855	1	Peak	5854.8	-47.89	16.06	Pass	601
5855	5875	1	Peak	5873.167	-48.18	10.51	Pass	601
5875	5925	1	Peak	5925	-50.11	-27	Pass	601
5925	25000	1	Peak	24785.989	-37.73	-27	Pass	19075



TEST REPORT

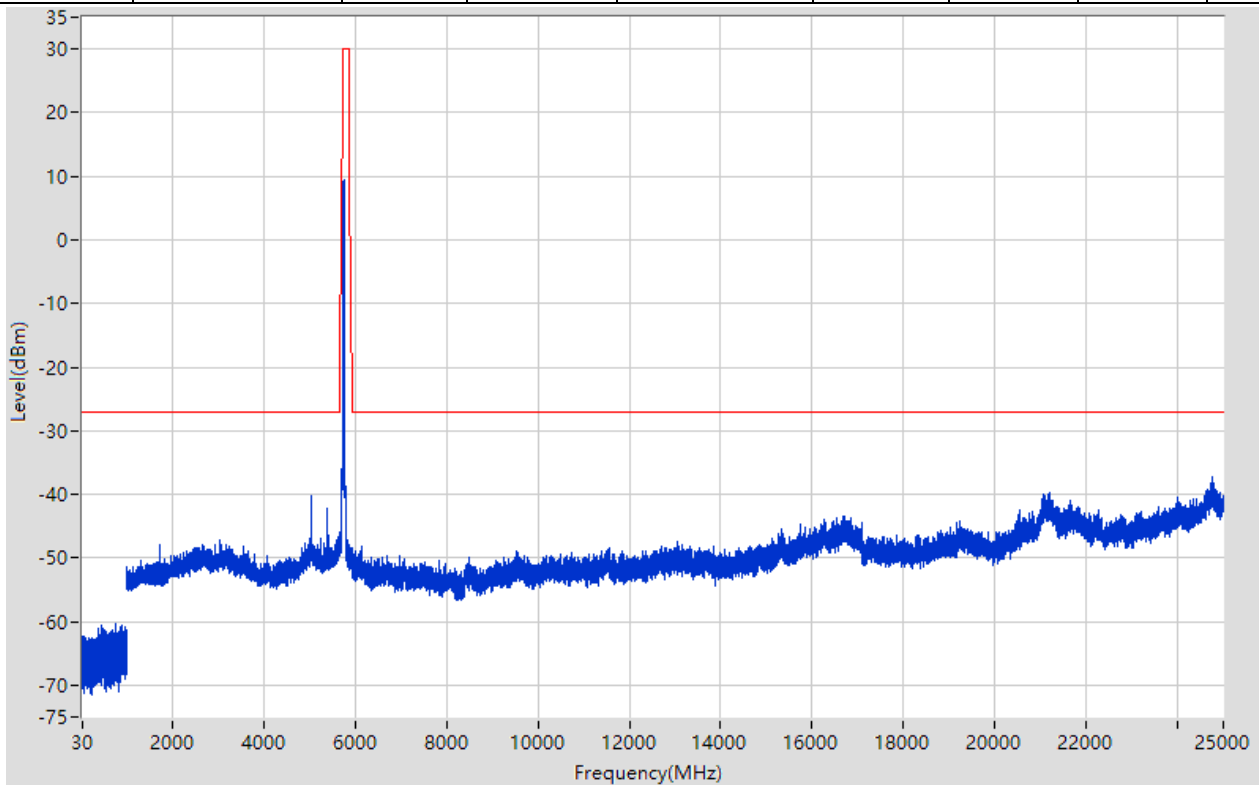
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	768.376	-60.25	-27	Pass	9700
1000	5650	1	Peak	5040.869	-40.3	-27	Pass	4650
5650	5700	1	Peak	5651.25	-46.24	-26.07	Pass	601
5700	5720	1	Peak	5720	-29.91	15.6	Pass	601
5720	5725	1	Peak	5723.675	-19	23.98	Pass	601
5725	5850	1	Peak	5746.042	9.55	30	Pass	601
5850	5855	1	Peak	5854.725	-47.9	16.23	Pass	601
5855	5875	1	Peak	5872.167	-48.47	10.79	Pass	601
5875	5925	1	Peak	5923.583	-48.62	-25.95	Pass	601
5925	25000	1	Peak	24758.987	-37.35	-27	Pass	19075



TEST REPORT

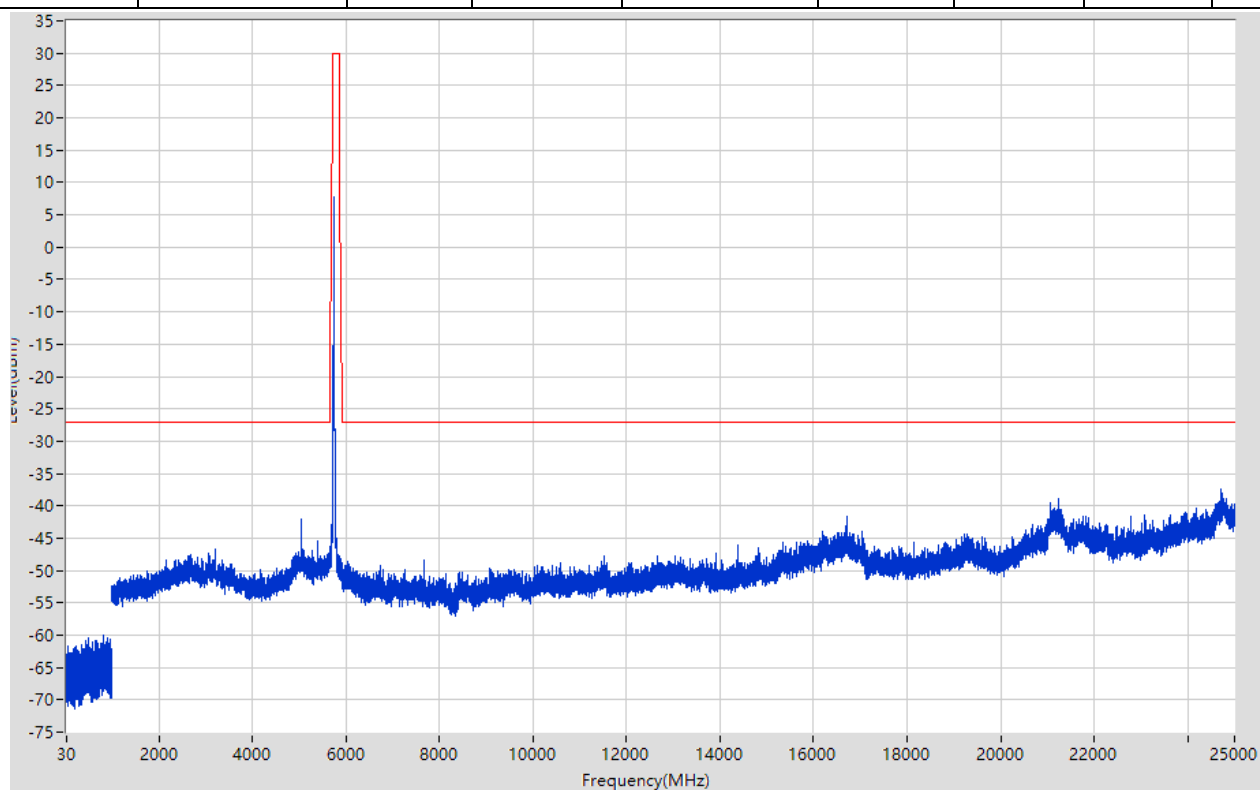
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5745MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	827.482	-60.04	-27	Pass	9700
1000	5650	1	Peak	5040.869	-42.08	-27	Pass	4650
5650	5700	1	Peak	5650.917	-46.56	-26.32	Pass	601
5700	5720	1	Peak	5719.633	-35.56	15.5	Pass	601
5720	5725	1	Peak	5720.267	-34.31	16.21	Pass	601
5725	5850	1	Peak	5739.167	7.83	30	Pass	601
5850	5855	1	Peak	5854.95	-48.21	15.71	Pass	601
5855	5875	1	Peak	5874.033	-48.33	10.27	Pass	601
5875	5925	1	Peak	5924.5	-49.7	-26.63	Pass	601
5925	25000	1	Peak	24713.985	-37.45	-27	Pass	19075



TEST REPORT

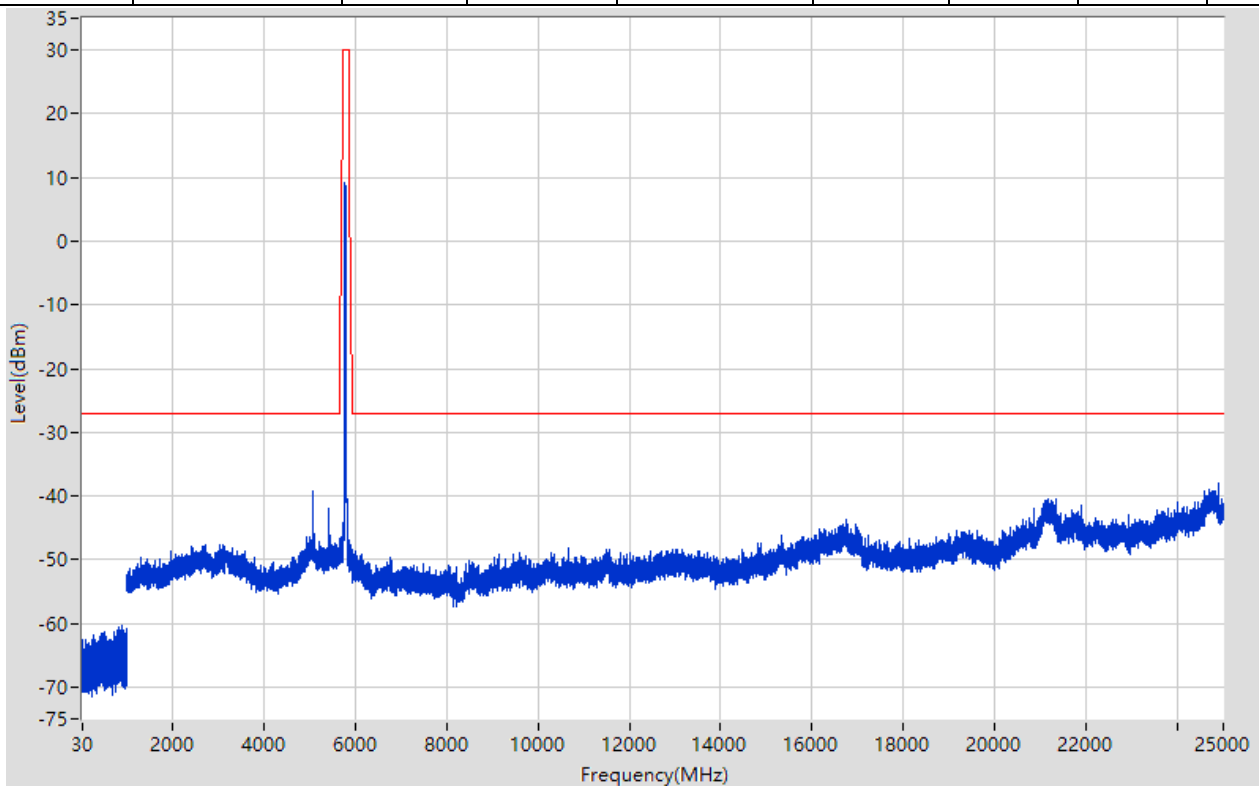
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	882.388	-60.39	-27	Pass	9700
1000	5650	1	Peak	5080.878	-39.19	-27	Pass	4650
5650	5700	1	Peak	5650.333	-48.78	-26.75	Pass	601
5700	5720	1	Peak	5702.333	-47.16	10.65	Pass	601
5720	5725	1	Peak	5720.075	-47.32	15.77	Pass	601
5725	5850	1	Peak	5779.375	9.09	30	Pass	601
5850	5855	1	Peak	5854.9	-49.22	15.83	Pass	601
5855	5875	1	Peak	5873.033	-48.55	10.55	Pass	601
5875	5925	1	Peak	5923.667	-48.48	-26.01	Pass	601
5925	25000	1	Peak	24898.995	-38.08	-27	Pass	19075



TEST REPORT

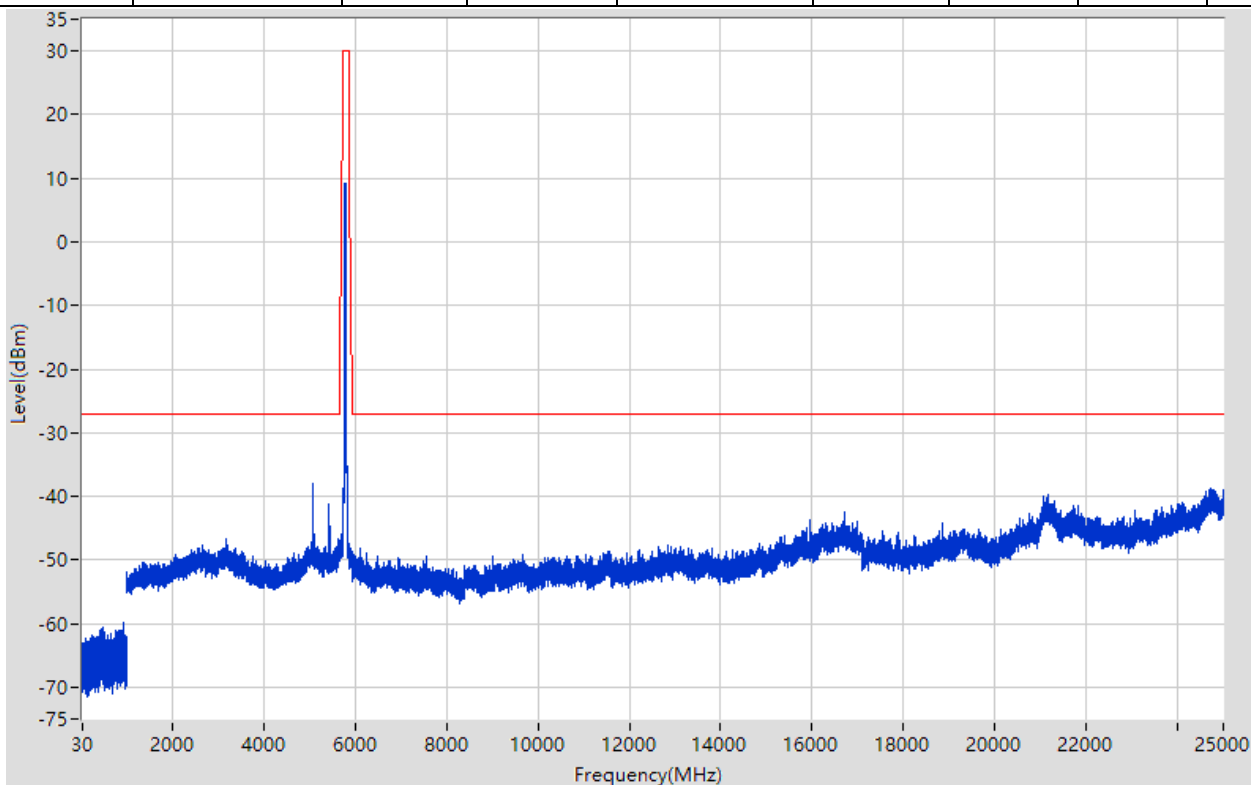
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	945.094	-59.92	-27	Pass	9700
1000	5650	1	Peak	5080.878	-37.95	-27	Pass	4650
5650	5700	1	Peak	5650	-48.42	-27	Pass	601
5700	5720	1	Peak	5700.367	-47.11	10.1	Pass	601
5720	5725	1	Peak	5720.517	-45.09	16.78	Pass	601
5725	5850	1	Peak	5786.042	9.26	30	Pass	601
5850	5855	1	Peak	5854.692	-47.71	16.3	Pass	601
5855	5875	1	Peak	5874.867	-48.83	10.04	Pass	601
5875	5925	1	Peak	5925	-48.94	-27	Pass	601
5925	25000	1	Peak	24720.985	-38.73	-27	Pass	19075



TEST REPORT

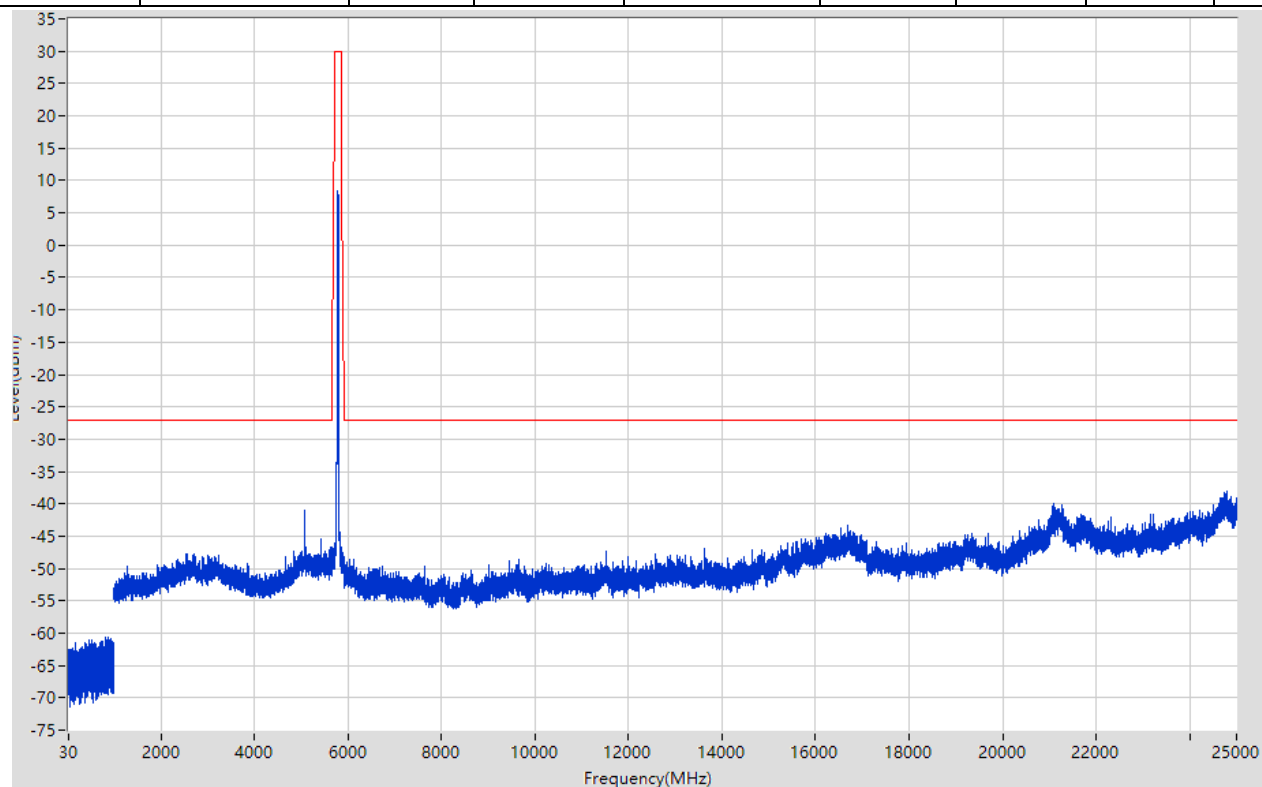
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5785MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	821.282	-60.58	-27	Pass	9700
1000	5650	1	Peak	5080.878	-40.99	-27	Pass	4650
5650	5700	1	Peak	5650.417	-48.43	-26.69	Pass	601
5700	5720	1	Peak	5700.167	-47.51	10.05	Pass	601
5720	5725	1	Peak	5720.158	-47.13	15.96	Pass	601
5725	5850	1	Peak	5779.167	8.4	30	Pass	601
5850	5855	1	Peak	5854.942	-47.62	15.73	Pass	601
5855	5875	1	Peak	5874.633	-47.97	10.1	Pass	601
5875	5925	1	Peak	5924.917	-49.34	-26.94	Pass	601
5925	25000	1	Peak	24790.989	-38.06	-27	Pass	19075



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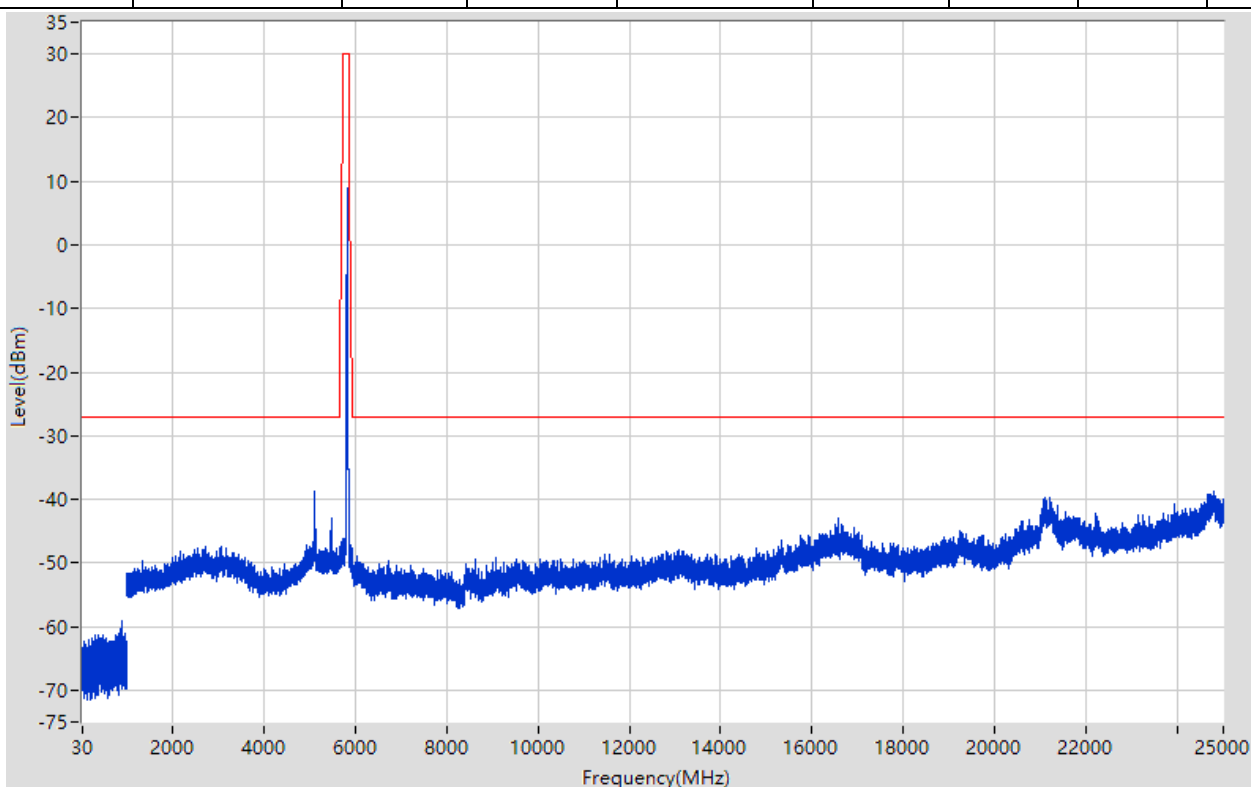
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	902.19	-59.03	-27	Pass	9700
1000	5650	1	Peak	5120.886	-38.7	-27	Pass	4650
5650	5700	1	Peak	5651.5	-47.82	-25.89	Pass	601
5700	5720	1	Peak	5700.133	-47.94	10.04	Pass	601
5720	5725	1	Peak	5720.233	-47.3	16.13	Pass	601
5725	5850	1	Peak	5819.167	8.84	30	Pass	601
5850	5855	1	Peak	5854.883	-40.13	15.87	Pass	601
5855	5875	1	Peak	5856.433	-40.27	15.2	Pass	601
5875	5925	1	Peak	5924.417	-48.92	-26.57	Pass	601
5925	25000	1	Peak	24776.988	-38.87	-27	Pass	19075



TEST REPORT

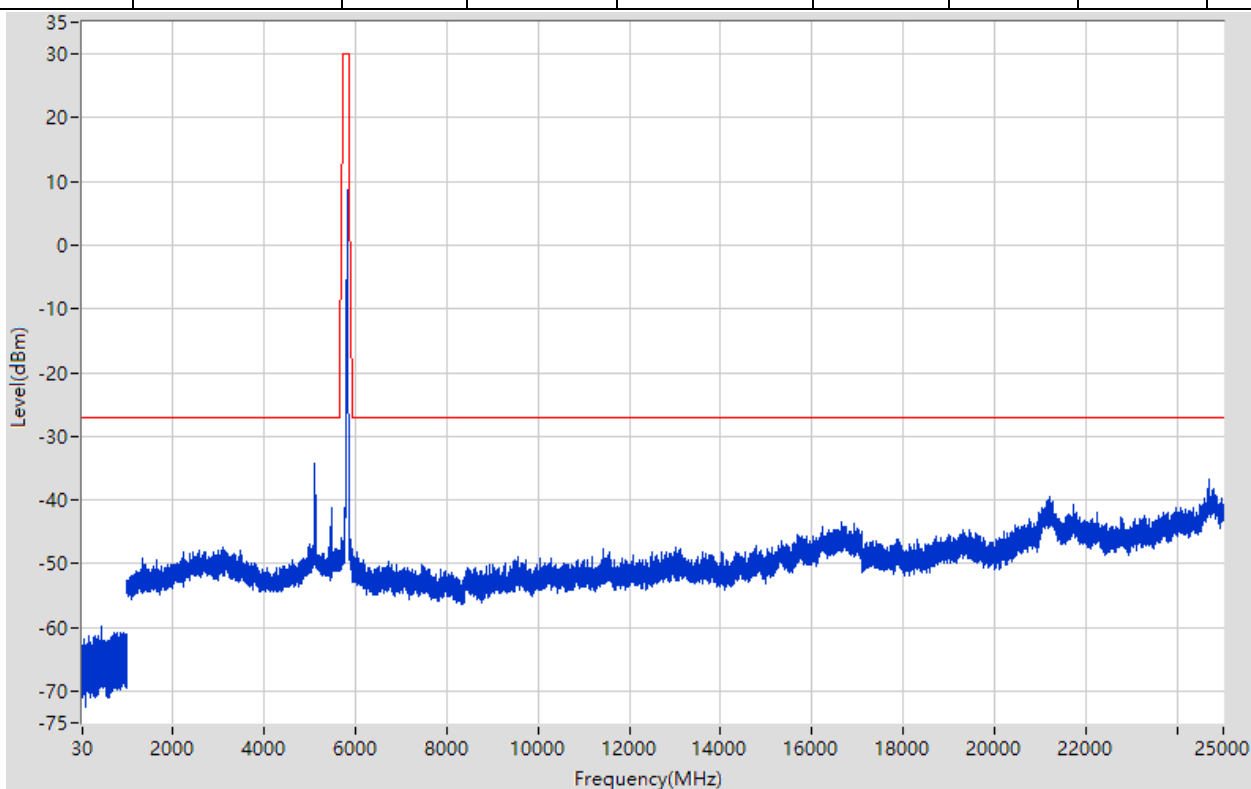
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	450.743	-59.9	-27	Pass	9700
1000	5650	1	Peak	5120.886	-34.22	-27	Pass	4650
5650	5700	1	Peak	5650.333	-48.21	-26.75	Pass	601
5700	5720	1	Peak	5708.267	-45.94	12.31	Pass	601
5720	5725	1	Peak	5720.058	-47.58	15.73	Pass	601
5725	5850	1	Peak	5826.042	8.76	30	Pass	601
5850	5855	1	Peak	5854.875	-32.35	15.88	Pass	601
5855	5875	1	Peak	5855.067	-33.33	15.58	Pass	601
5875	5925	1	Peak	5924.5	-47.93	-26.63	Pass	601
5925	25000	1	Peak	24692.984	-36.86	-27	Pass	19075



TEST REPORT

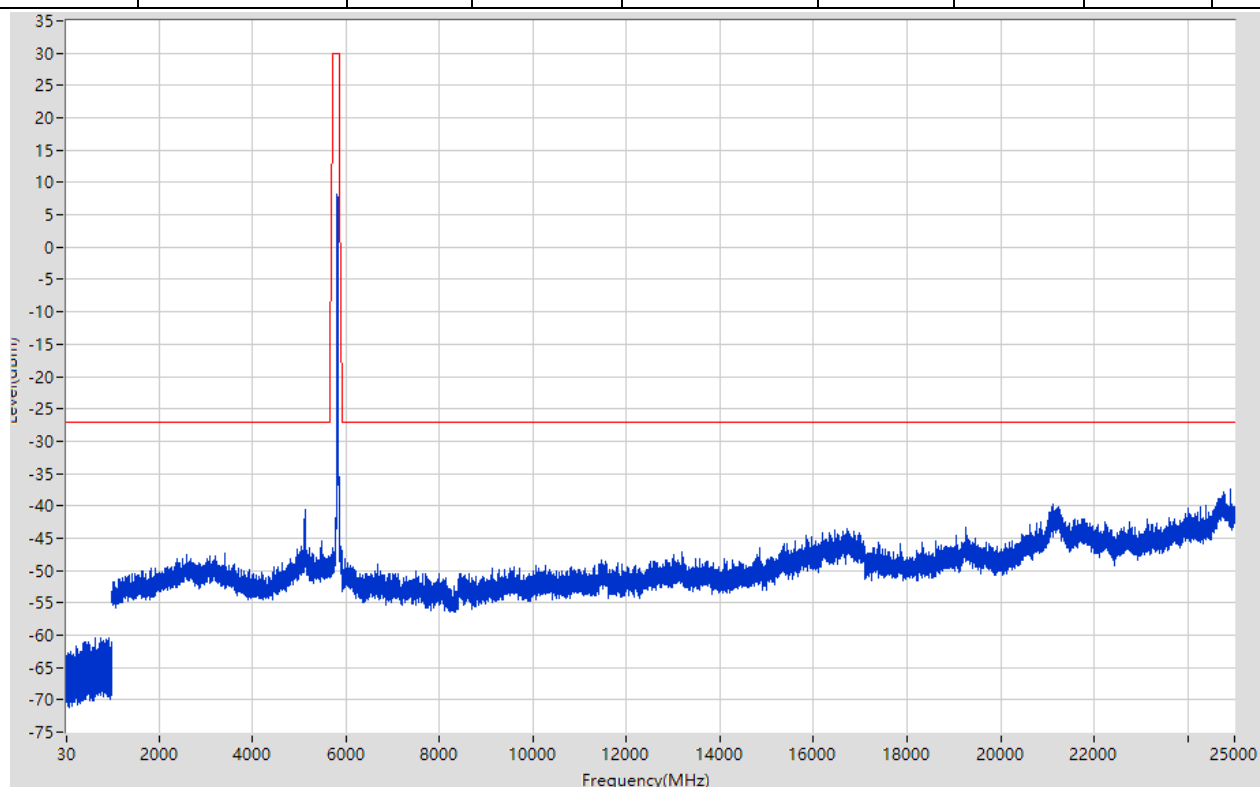
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5825MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	630.262	-60.38	-27	Pass	9700
1000	5650	1	Peak	5120.886	-40.65	-27	Pass	4650
5650	5700	1	Peak	5650	-49.61	-27	Pass	601
5700	5720	1	Peak	5700.667	-47.47	10.19	Pass	601
5720	5725	1	Peak	5720.033	-46.93	15.68	Pass	601
5725	5850	1	Peak	5819.167	8.08	30	Pass	601
5850	5855	1	Peak	5854.333	-36.56	17.12	Pass	601
5855	5875	1	Peak	5855.333	-38.63	15.51	Pass	601
5875	5925	1	Peak	5924.917	-47.78	-26.94	Pass	601
5925	25000	1	Peak	24925.996	-37.44	-27	Pass	19075



TEST REPORT

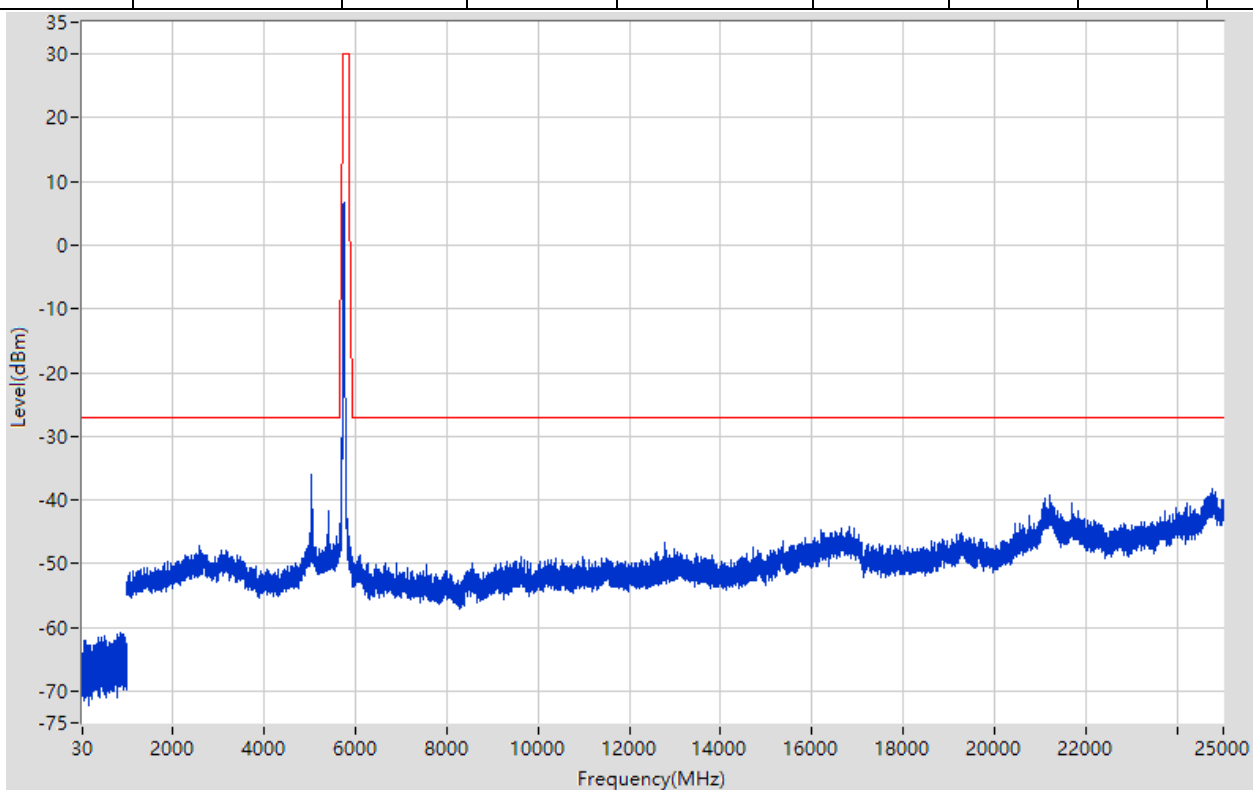
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5755MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	857.585	-60.74	-27	Pass	9700
1000	5650	1	Peak	5050.871	-36.02	-27	Pass	4650
5650	5700	1	Peak	5650	-45.81	-27	Pass	601
5700	5720	1	Peak	5718.267	-25.34	15.11	Pass	601
5720	5725	1	Peak	5720.008	-25.7	15.62	Pass	601
5725	5850	1	Peak	5759.375	6.61	30	Pass	601
5850	5855	1	Peak	5854.908	-46.24	15.81	Pass	601
5855	5875	1	Peak	5874.567	-47.69	10.12	Pass	601
5875	5925	1	Peak	5924.333	-49.17	-26.51	Pass	601
5925	25000	1	Peak	24771.988	-38.3	-27	Pass	19075



TEST REPORT

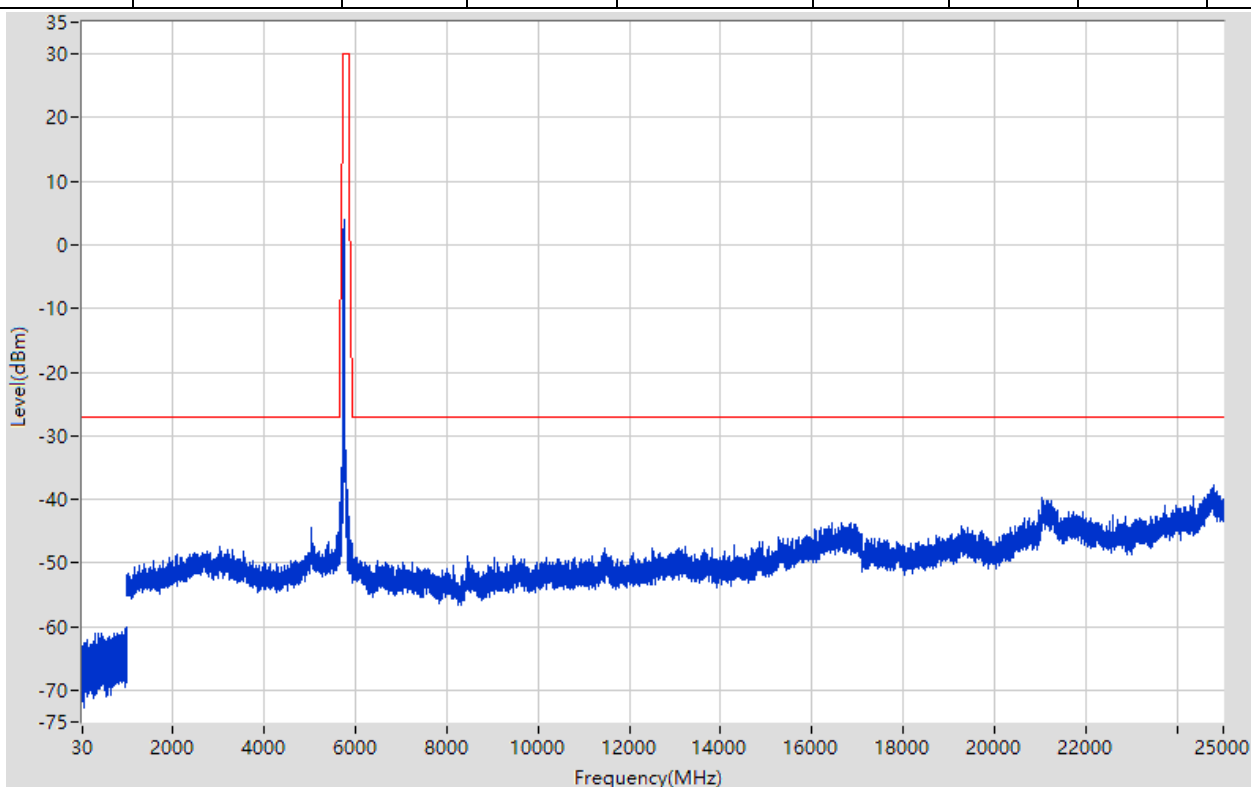
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5755MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	990.399	-60.22	-27	Pass	9700
1000	5650	1	Peak	5050.871	-44.41	-27	Pass	4650
5650	5700	1	Peak	5651.583	-42.4	-25.83	Pass	601
5700	5720	1	Peak	5708.1	-34.95	12.27	Pass	601
5720	5725	1	Peak	5720.392	-31.51	16.49	Pass	601
5725	5850	1	Peak	5747.292	4.01	30	Pass	601
5850	5855	1	Peak	5854.958	-44.22	15.7	Pass	601
5855	5875	1	Peak	5871.367	-44.93	11.02	Pass	601
5875	5925	1	Peak	5924	-47.3	-26.26	Pass	601
5925	25000	1	Peak	24793.989	-37.76	-27	Pass	19075



TEST REPORT

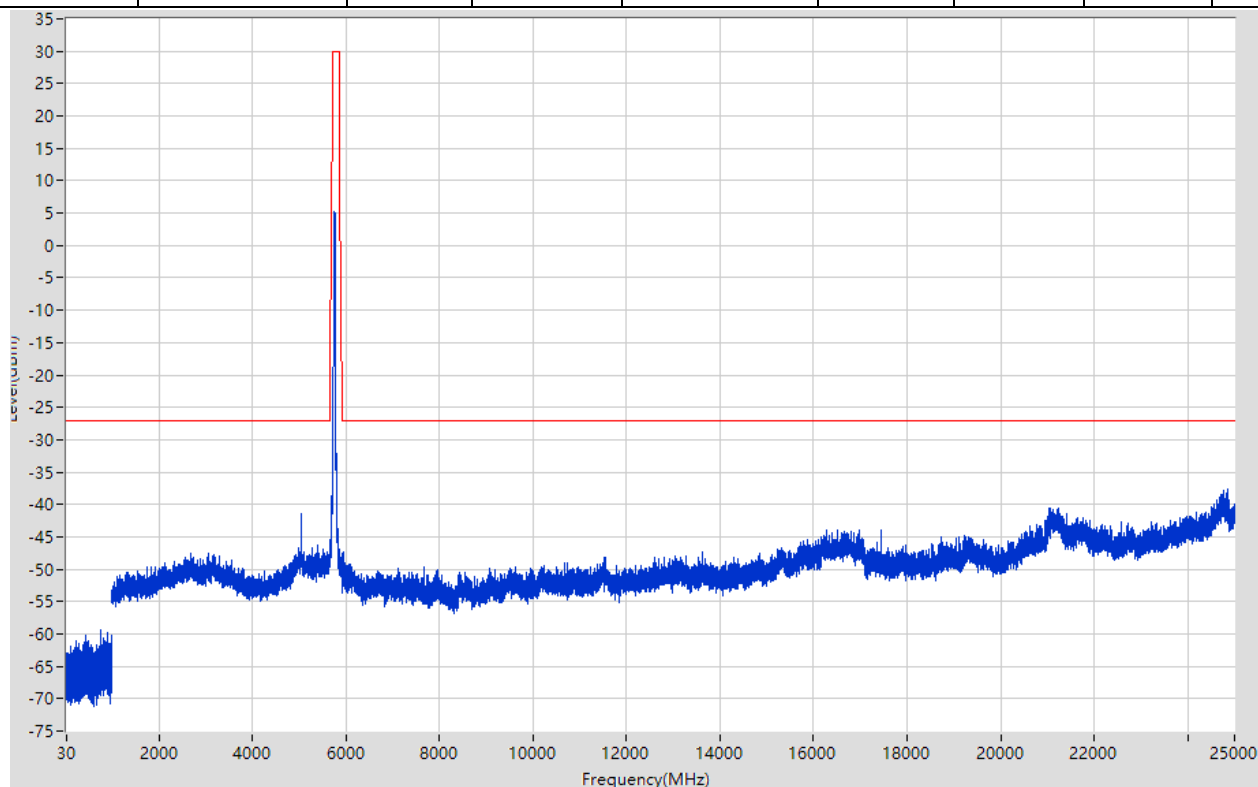
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5755MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	758.775	-59.37	-27	Pass	9700
1000	5650	1	Peak	5050.871	-41.45	-27	Pass	4650
5650	5700	1	Peak	5651.083	-46.2	-26.2	Pass	601
5700	5720	1	Peak	5714.767	-32.45	14.13	Pass	601
5720	5725	1	Peak	5720.067	-31.48	15.75	Pass	601
5725	5850	1	Peak	5759.583	5.28	30	Pass	601
5850	5855	1	Peak	5854.958	-47.68	15.7	Pass	601
5855	5875	1	Peak	5873.267	-47.51	10.49	Pass	601
5875	5925	1	Peak	5924.667	-49.42	-26.75	Pass	601
5925	25000	1	Peak	24839.992	-37.59	-27	Pass	19075



TEST REPORT

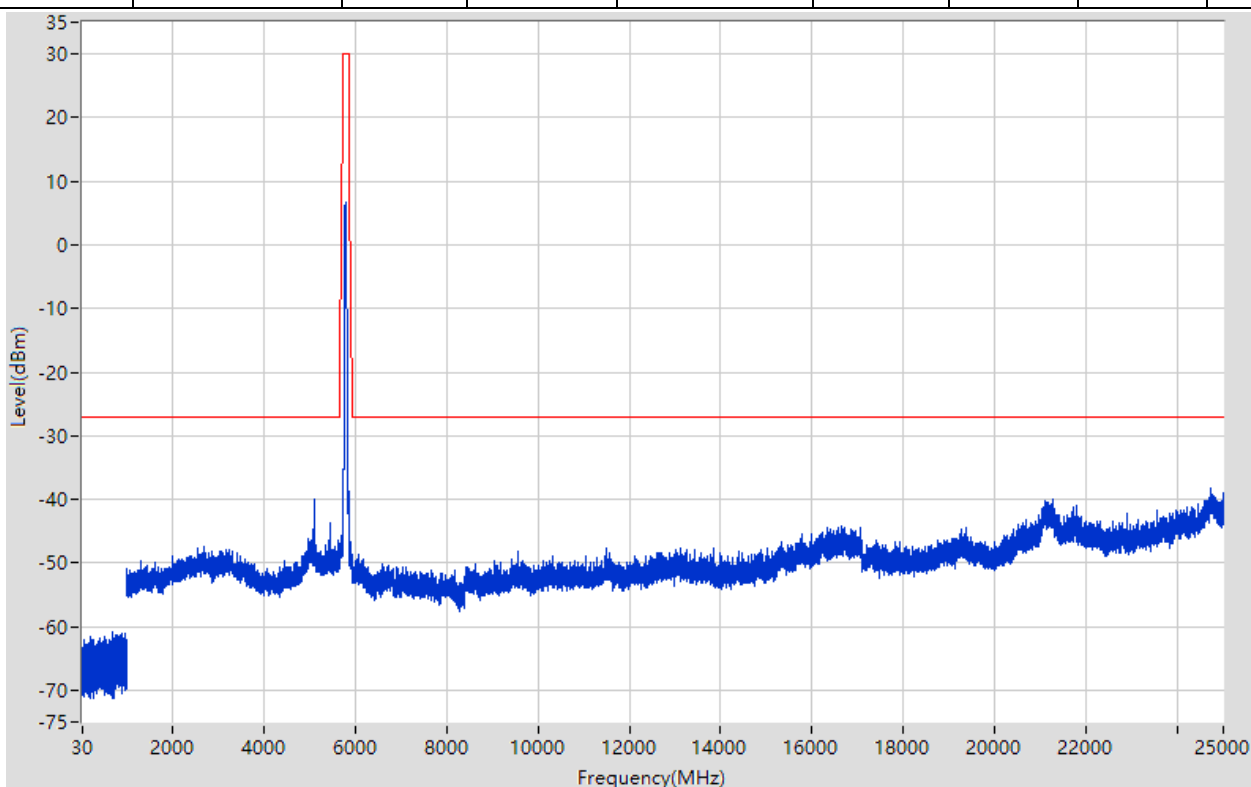
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	678.367	-60.84	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40	-27	Pass	4650
5650	5700	1	Peak	5650.5	-47.66	-26.63	Pass	601
5700	5720	1	Peak	5702.8	-45.95	10.78	Pass	601
5720	5725	1	Peak	5720.233	-44.59	16.13	Pass	601
5725	5850	1	Peak	5799.583	6.63	30	Pass	601
5850	5855	1	Peak	5854.8	-42.31	16.06	Pass	601
5855	5875	1	Peak	5873.4	-45.92	10.45	Pass	601
5875	5925	1	Peak	5924.917	-48.9	-26.94	Pass	601
5925	25000	1	Peak	24730.986	-38.28	-27	Pass	19075



TEST REPORT

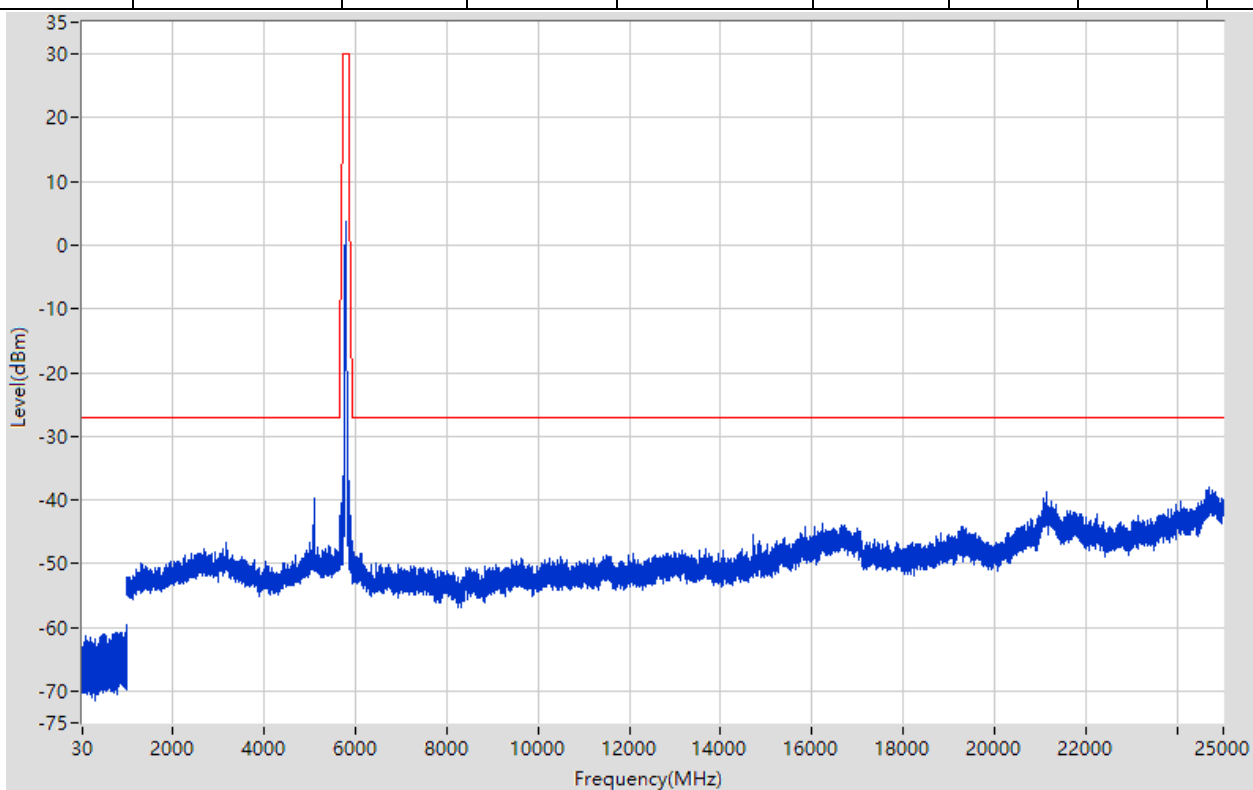
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	991.799	-59.62	-27	Pass	9700
1000	5650	1	Peak	5090.88	-39.71	-27	Pass	4650
5650	5700	1	Peak	5650.25	-44.94	-26.82	Pass	601
5700	5720	1	Peak	5701.233	-41.59	10.35	Pass	601
5720	5725	1	Peak	5720.175	-40.89	16	Pass	601
5725	5850	1	Peak	5787.292	3.64	30	Pass	601
5850	5855	1	Peak	5854.933	-38.3	15.75	Pass	601
5855	5875	1	Peak	5872.333	-40.75	10.75	Pass	601
5875	5925	1	Peak	5924.25	-47.63	-26.45	Pass	601
5925	25000	1	Peak	24703.984	-38.03	-27	Pass	19075



TEST REPORT

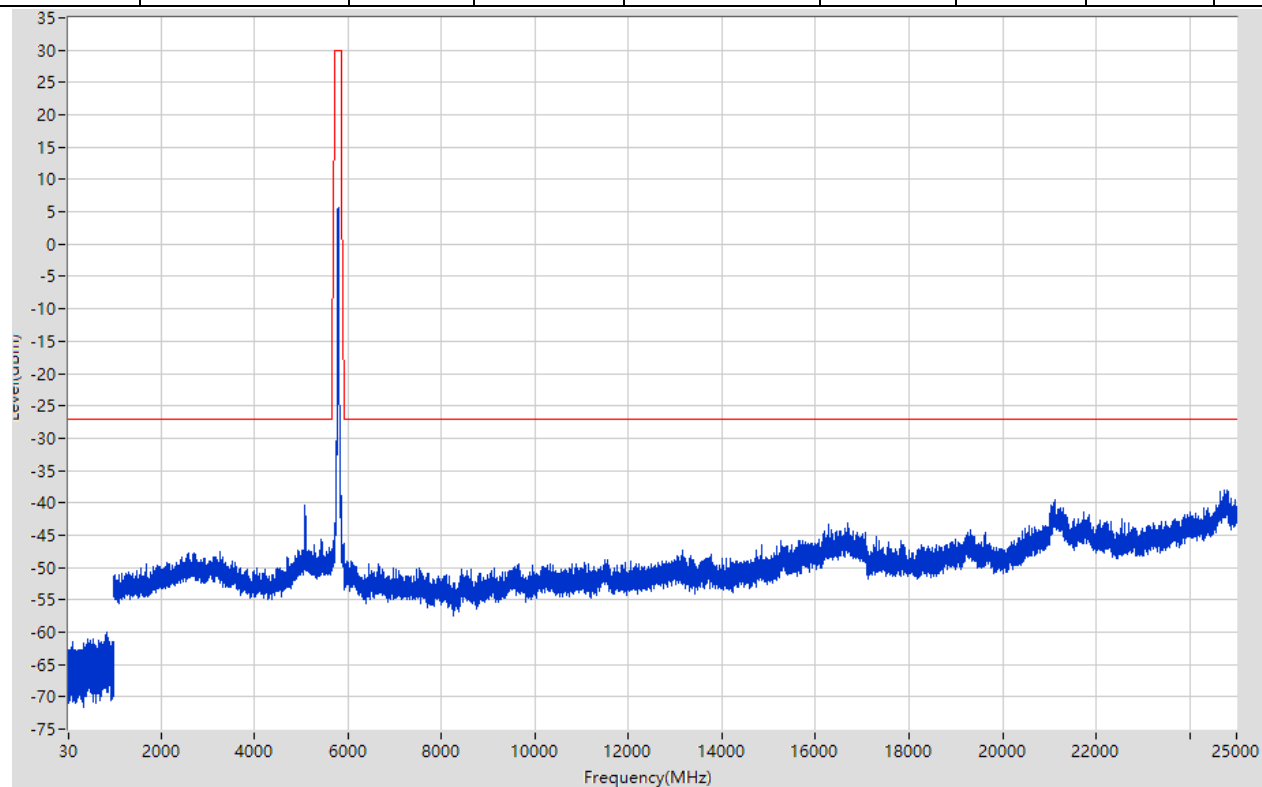
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	844.984	-59.95	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40.48	-27	Pass	4650
5650	5700	1	Peak	5650.083	-48.24	-26.94	Pass	601
5700	5720	1	Peak	5700.367	-46.24	10.1	Pass	601
5720	5725	1	Peak	5720.083	-45.5	15.79	Pass	601
5725	5850	1	Peak	5799.792	5.68	30	Pass	601
5850	5855	1	Peak	5854.75	-41.4	16.17	Pass	601
5855	5875	1	Peak	5860.4	-42	14.09	Pass	601
5875	5925	1	Peak	5924.917	-48.89	-26.94	Pass	601
5925	25000	1	Peak	24799.99	-37.95	-27	Pass	19075



TEST REPORT

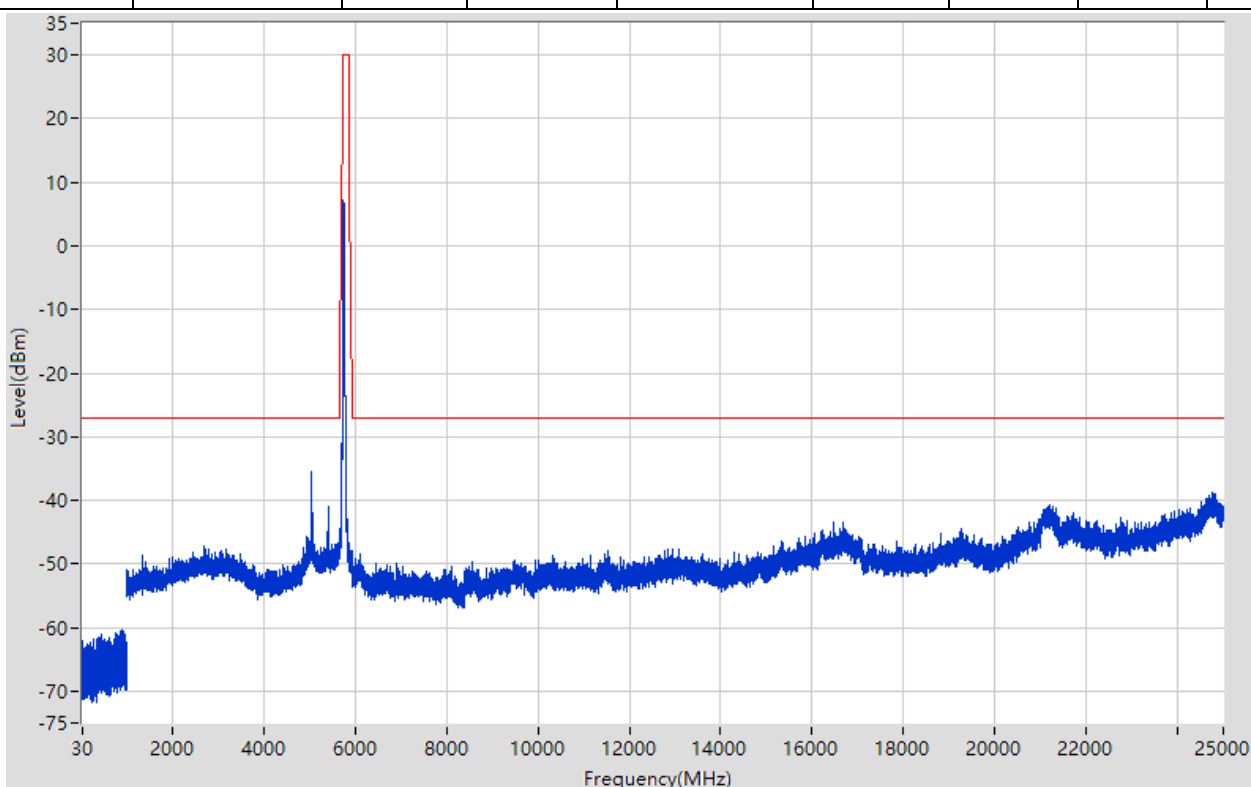
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5755MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	878.988	-60.36	-27	Pass	9700
1000	5650	1	Peak	5050.871	-35.46	-27	Pass	4650
5650	5700	1	Peak	5650.333	-46.14	-26.75	Pass	601
5700	5720	1	Peak	5719.9	-26.23	15.57	Pass	601
5720	5725	1	Peak	5720.208	-25.29	16.07	Pass	601
5725	5850	1	Peak	5744.792	7.24	30	Pass	601
5850	5855	1	Peak	5854.983	-47.8	15.64	Pass	601
5855	5875	1	Peak	5873	-47.31	10.56	Pass	601
5875	5925	1	Peak	5924.75	-49.64	-26.82	Pass	601
5925	25000	1	Peak	24741.986	-38.84	-27	Pass	19075



TEST REPORT

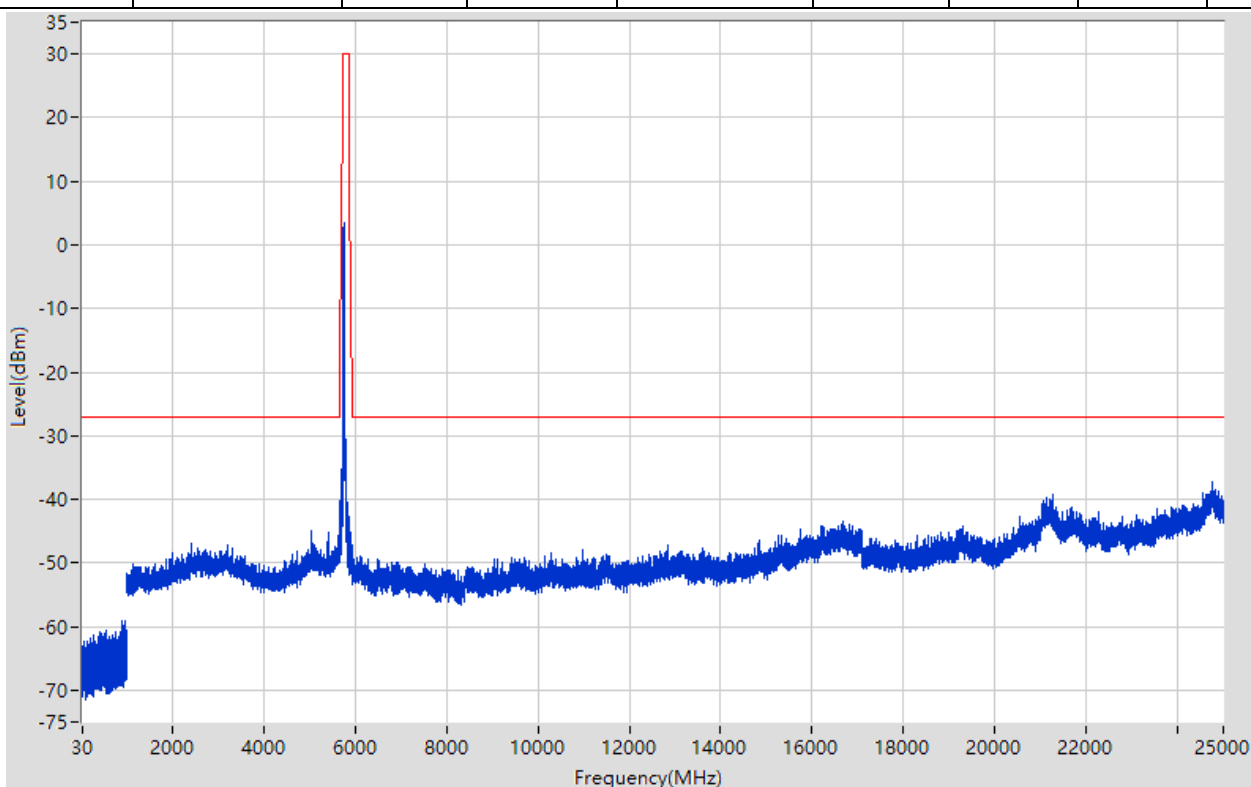
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5755MHz

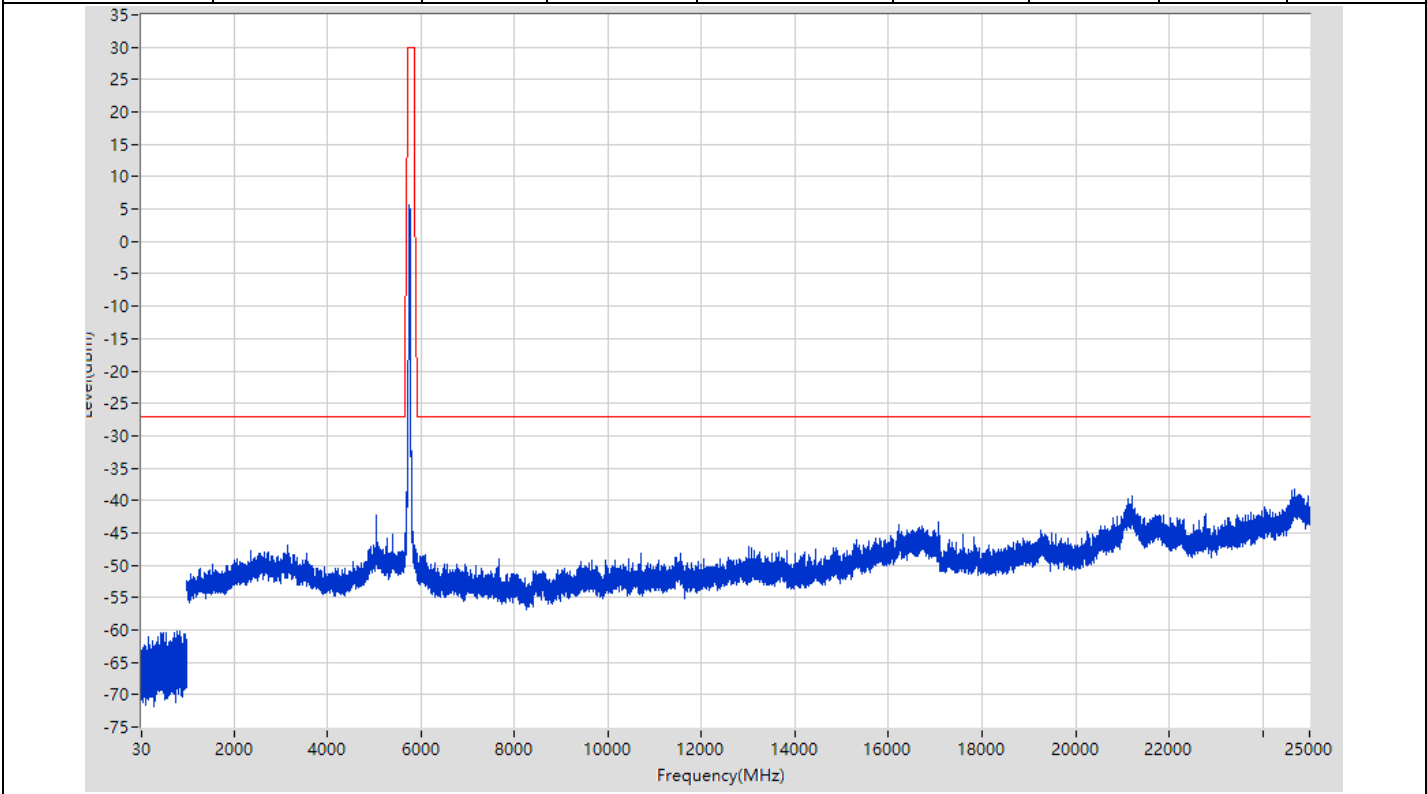
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	963.696	-59.15	-27	Pass	9700
1000	5650	1	Peak	5642.998	-44.1	-27	Pass	4650
5650	5700	1	Peak	5650.5	-42.96	-26.63	Pass	601
5700	5720	1	Peak	5703.367	-36.46	10.94	Pass	601
5720	5725	1	Peak	5720.233	-30.3	16.13	Pass	601
5725	5850	1	Peak	5747.083	3.44	30	Pass	601
5850	5855	1	Peak	5854.75	-42.85	16.17	Pass	601
5855	5875	1	Peak	5867.933	-43.56	11.98	Pass	601
5875	5925	1	Peak	5925	-48.36	-27	Pass	601
5925	25000	1	Peak	24764.988	-37.2	-27	Pass	19075



TEST REPORT

Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5755MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	789.778	-60.23	-27	Pass	9700
1000	5650	1	Peak	5050.871	-42.24	-27	Pass	4650
5650	5700	1	Peak	5650.5	-46.47	-26.63	Pass	601
5700	5720	1	Peak	5713.4	-33.35	13.75	Pass	601
5720	5725	1	Peak	5720.025	-31.39	15.66	Pass	601
5725	5850	1	Peak	5744.792	5.73	30	Pass	601
5850	5855	1	Peak	5854.908	-47.86	15.81	Pass	601
5855	5875	1	Peak	5873.967	-47.55	10.29	Pass	601
5875	5925	1	Peak	5924.917	-48.88	-26.94	Pass	601
5925	25000	1	Peak	24686.984	-38.24	-27	Pass	19075



TEST REPORT

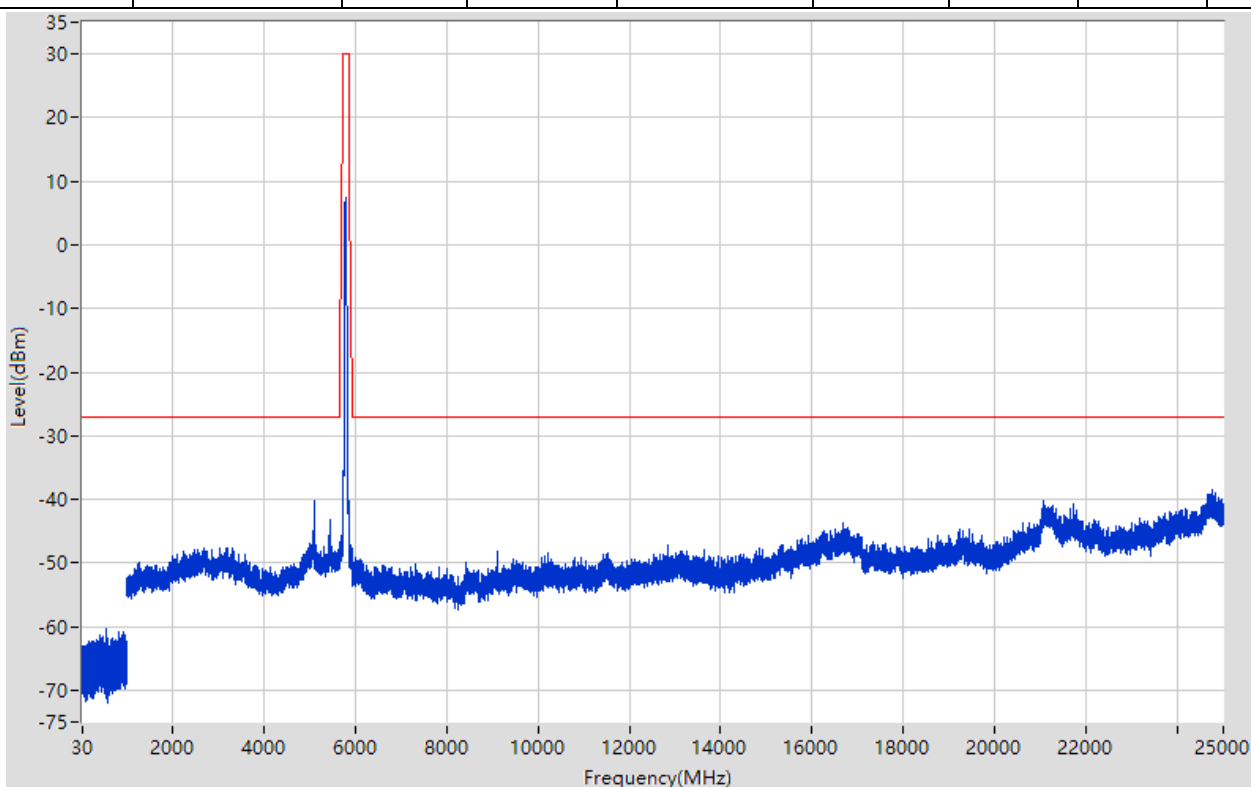
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	559.255	-60.35	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40.14	-27	Pass	4650
5650	5700	1	Peak	5650.083	-47.81	-26.94	Pass	601
5700	5720	1	Peak	5701.967	-45.68	10.55	Pass	601
5720	5725	1	Peak	5720.142	-45.73	15.92	Pass	601
5725	5850	1	Peak	5784.583	7.46	30	Pass	601
5850	5855	1	Peak	5854.875	-42.82	15.88	Pass	601
5855	5875	1	Peak	5868.6	-44.57	11.79	Pass	601
5875	5925	1	Peak	5923.25	-47.77	-25.7	Pass	601
5925	25000	1	Peak	24749.987	-38.5	-27	Pass	19075



TEST REPORT

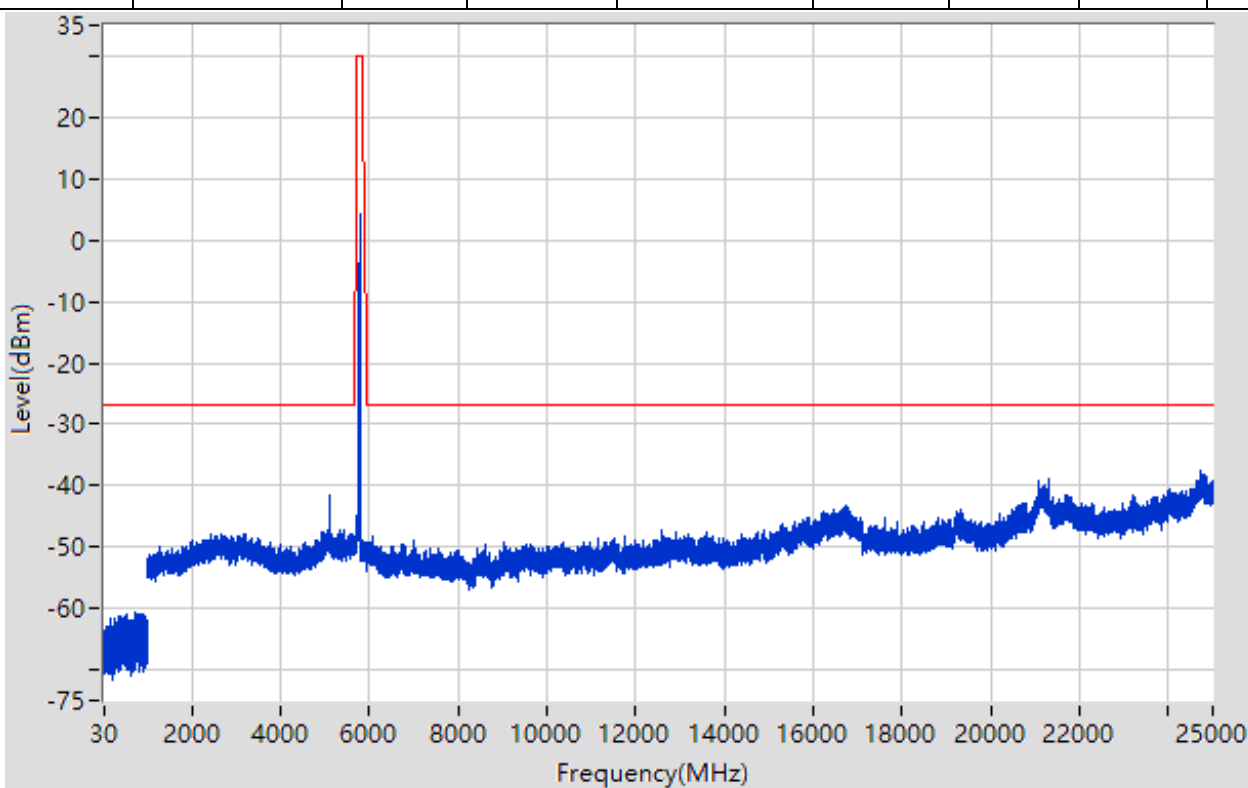
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	736.473	-60.76	-27	Pass	9700
1000	5650	1	Peak	5090.88	-41.64	-27	Pass	4650
5650	5700	1	Peak	5650.333	-49.18	-26.75	Pass	601
5700	5720	1	Peak	5700.033	-48.02	10.01	Pass	601
5720	5725	1	Peak	5720.083	-47.21	15.79	Pass	601
5725	5850	1	Peak	5784.583	4.31	30	Pass	601
5850	5855	1	Peak	5854.883	-48.89	15.87	Pass	601
5855	5875	1	Peak	5874.9	-49.25	10.03	Pass	601
5875	5925	1	Peak	5924.583	-50.01	-26.69	Pass	601
5925	25000	1	Peak	24741.986	-37.7	-27	Pass	19075



TEST REPORT

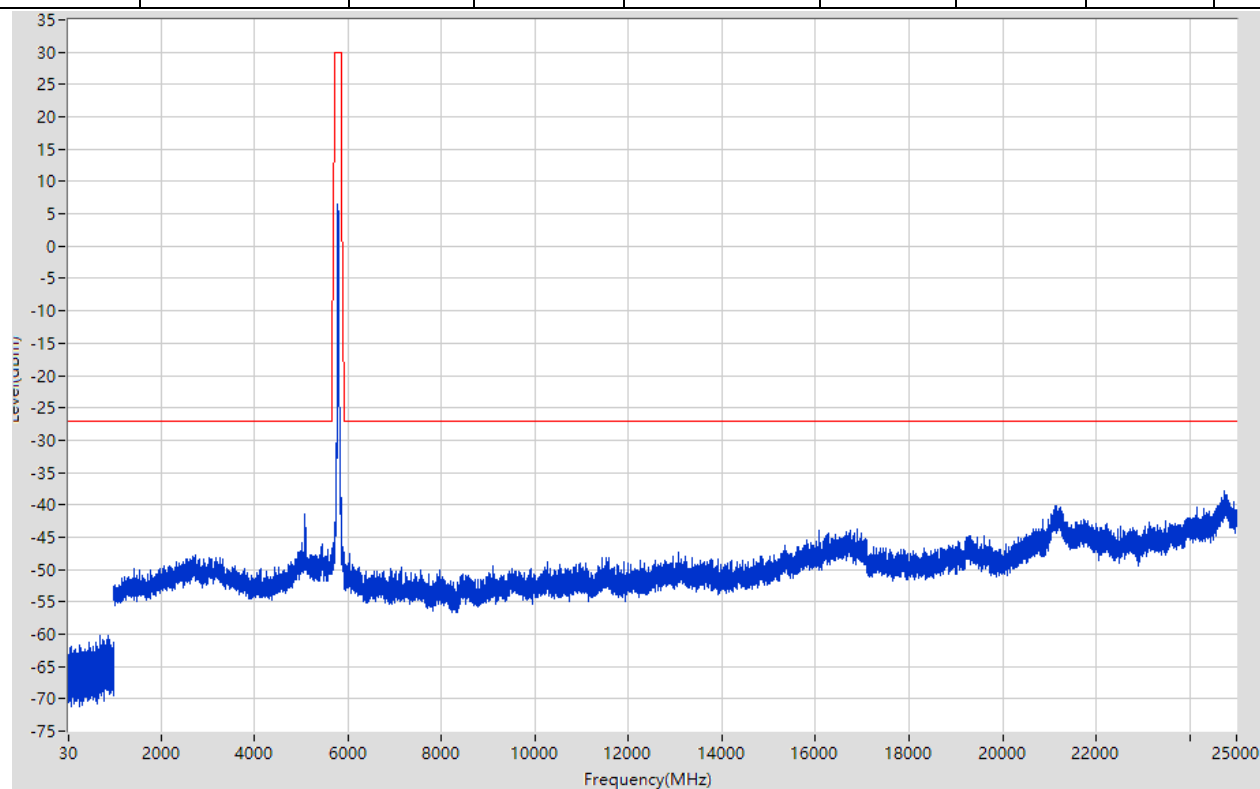
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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5795MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	865.986	-60.27	-27	Pass	9700
1000	5650	1	Peak	5090.88	-41.5	-27	Pass	4650
5650	5700	1	Peak	5650.167	-48.69	-26.88	Pass	601
5700	5720	1	Peak	5700.1	-46.13	10.03	Pass	601
5720	5725	1	Peak	5720.2	-45.3	16.06	Pass	601
5725	5850	1	Peak	5784.792	6.42	30	Pass	601
5850	5855	1	Peak	5854.9	-41.26	15.83	Pass	601
5855	5875	1	Peak	5870.733	-44.96	11.19	Pass	601
5875	5925	1	Peak	5924.75	-48.73	-26.82	Pass	601
5925	25000	1	Peak	24731.986	-37.89	-27	Pass	19075



TEST REPORT

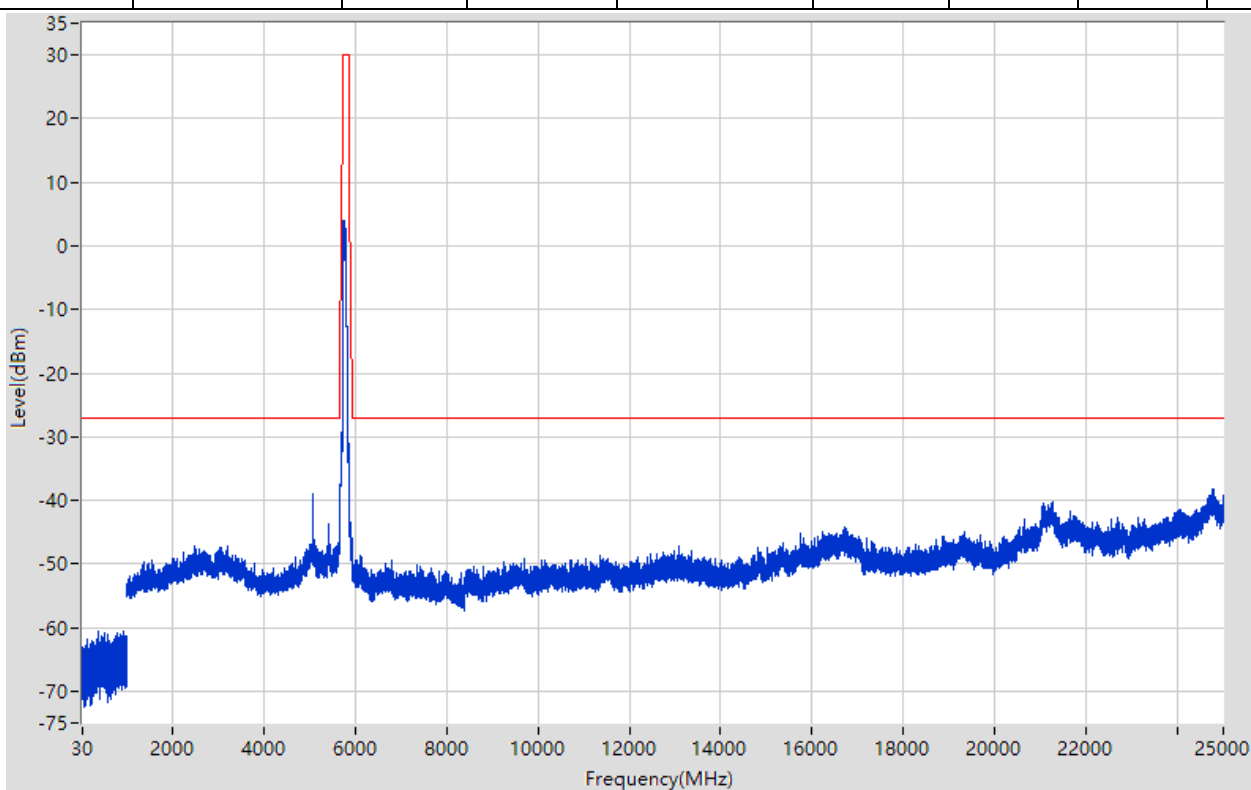
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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5775MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	377.636	-60.51	-27	Pass	9700
1000	5650	1	Peak	5070.875	-38.94	-27	Pass	4650
5650	5700	1	Peak	5650.083	-45.4	-26.94	Pass	601
5700	5720	1	Peak	5719.4	-24.71	15.43	Pass	601
5720	5725	1	Peak	5720.108	-26.32	15.85	Pass	601
5725	5850	1	Peak	5742.5	4.04	30	Pass	601
5850	5855	1	Peak	5854.792	-32.73	16.07	Pass	601
5855	5875	1	Peak	5869.433	-32.48	11.56	Pass	601
5875	5925	1	Peak	5923.333	-46.09	-25.77	Pass	601
5925	25000	1	Peak	24758.987	-38.2	-27	Pass	19075



TEST REPORT

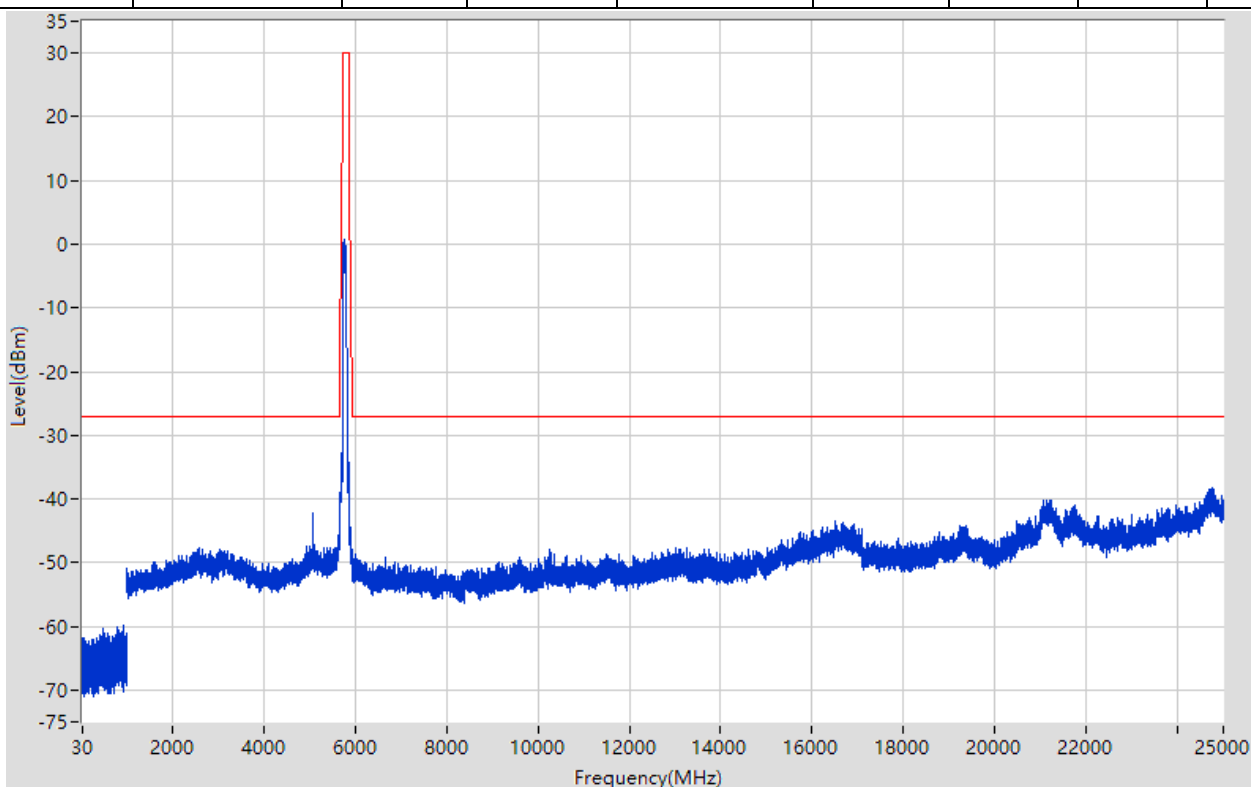
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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5775MHz

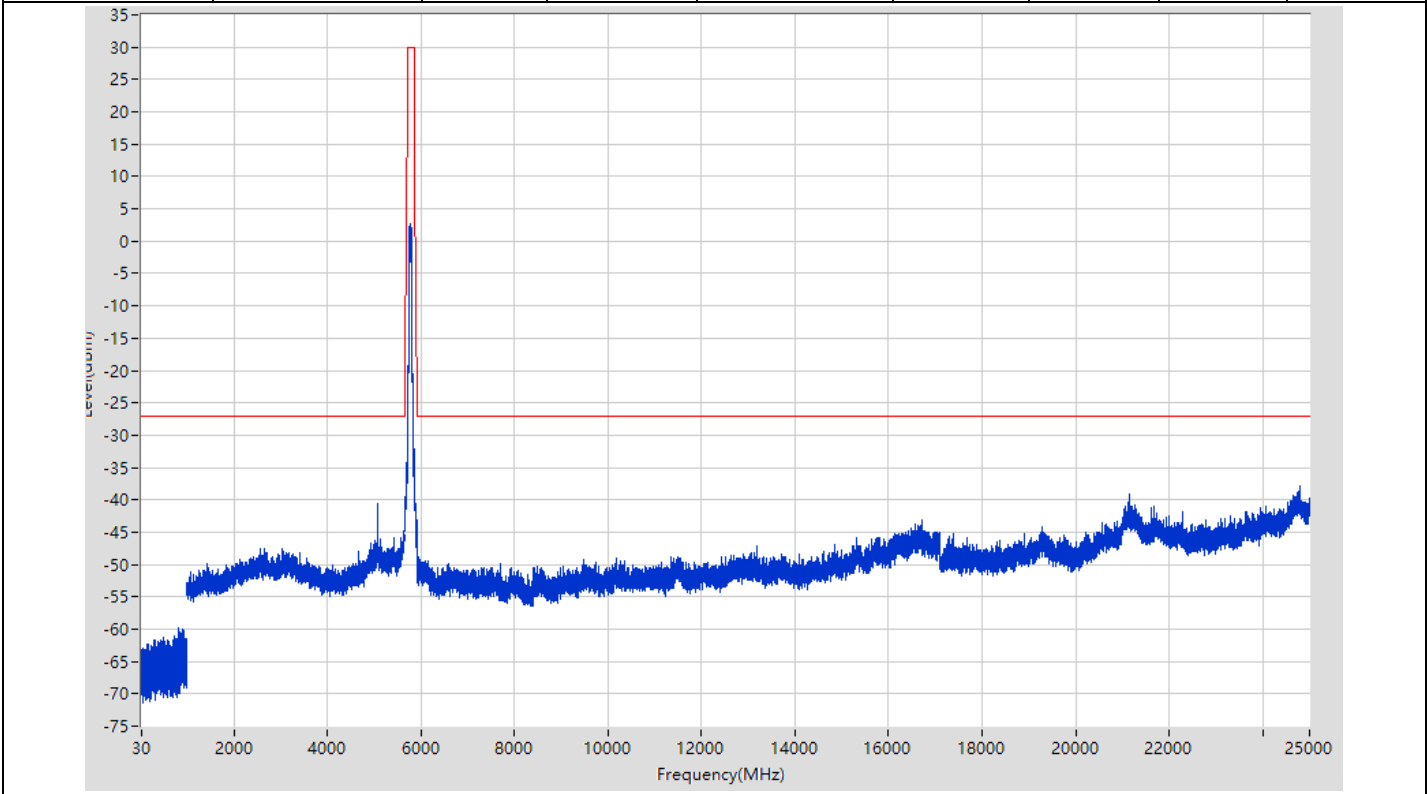
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	919.092	-59.87	-27	Pass	9700
1000	5650	1	Peak	5070.875	-42.14	-27	Pass	4650
5650	5700	1	Peak	5653.5	-43.02	-24.41	Pass	601
5700	5720	1	Peak	5705.133	-32.73	11.44	Pass	601
5720	5725	1	Peak	5720.1	-30.75	15.83	Pass	601
5725	5850	1	Peak	5746.25	0.73	30	Pass	601
5850	5855	1	Peak	5854.917	-35.83	15.79	Pass	601
5855	5875	1	Peak	5869.533	-35.92	11.53	Pass	601
5875	5925	1	Peak	5924.917	-48.27	-26.94	Pass	601
5925	25000	1	Peak	24767.988	-38.27	-27	Pass	19075



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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5775MHz

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	805.58	-59.77	-27	Pass	9700
1000	5650	1	Peak	5070.875	-40.62	-27	Pass	4650
5650	5700	1	Peak	5651.833	-41.53	-25.64	Pass	601
5700	5720	1	Peak	5719.3	-28.9	15.4	Pass	601
5720	5725	1	Peak	5720.217	-28.62	16.09	Pass	601
5725	5850	1	Peak	5771.458	2.6	30	Pass	601
5850	5855	1	Peak	5854.892	-33.29	15.85	Pass	601
5855	5875	1	Peak	5868.2	-32.84	11.9	Pass	601
5875	5925	1	Peak	5924.833	-46.65	-26.88	Pass	601
5925	25000	1	Peak	24784.989	-37.94	-27	Pass	19075



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4.1.7 Spurious Emission

RESULT:

PASS

Test standard	: FCC Part 15.407(b) RSS-247 6.2
Requirement	: ANSI C63.10-2013
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A
Ambient temperature	: 25°C
Relative humidity	: 52%

For details refer to following test plot.

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Notes:

1. Test plots please refer to the annex document

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC chain 0”.

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC chain 1”.

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC mimo”.

2. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.

3. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.

4. The EUT is working in the Normal link mode below 1 GHz.

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4.1.8 Band Edge (Restricted-band band-edge)

RESULT:

PASS

Test standard	: FCC Part 15.407(b) RSS-247 6.2
Requirement	: ANSI C63.10-2013, KDB 789033
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.1
Ambient temperature	: 25°C
Relative humidity	: 52%

For details refer to following test plot.

Notes:

1. Test plots please refer to the annex document

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC chain 0”.

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC chain 1”.

“WIFI5GB1B4-TX EXHIBIT A of SHE19080042-02DE FCC mimo”.

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4.1.9 Frequency Stability

RESULT:

PASS

Test standard : FCC Part 15.407(g)
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.1
Ambient temperature : 25°C
Relative humidity : 52%

Table 11: Chain 2 Frequency Stability

Band I (5150 – 5250 MHz):

Voltage vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5180.022	4.25	± 20
	12.0 V	5180.027	5.21	
	13.2 V	5180.035	6.76	

Temperature vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
3.8 V	-30	--	--	± 20
	-20	--	--	
	-10	5179.967	6.37	
	0	5179.970	5.79	
	10	5179.972	5.41	
	20	5180.027	5.21	
	30	5180.036	6.95	
	40	5180.024	4.63	
	50	5179.959	7.92	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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Band IV (5725 – 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5744.957	7.48	± 20
	12.0 V	5745.026	4.53	
	13.2 V	5744.978	3.83	

Temperature vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
12.0 V	-30	--	--	± 20
	-20	--	--	
	-10	5744.967	5.74	
	0	5744.955	7.83	
	10	5744.969	5.40	
	20	5745.026	4.53	
	30	5744.945	9.57	
	40	5744.973	4.70	
	50	5744.965	6.09	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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Table 12: MIMO Frequency Stability

Band I (5150 – 5250 MHz):

Voltage vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5179.965	6.76	± 20
	12.0 V	5179.994	1.16	
	13.2 V	5179.973	5.21	

Temperature vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
3.8 V	-30	--	--	± 20
	-20	--	--	
	-10	5179.964	6.95	
	0	5179.970	5.79	
	10	5179.972	5.41	
	20	5179.994	1.16	
	30	5179.963	7.14	
	40	5179.974	5.02	
	50	5179.967	6.37	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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Band IV (5725 – 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5744.962	6.61	± 20
	12.0 V	5744.994	1.04	
	13.2 V	5744.966	5.92	

Temperature vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
12.0 V	-30	--	--	± 20
	-20	--	--	
	-10	5744.964	6.27	
	0	5744.955	7.83	
	10	5744.988	2.09	
	20	5744.994	1.04	
	30	5744.945	9.57	
	40	5744.973	4.70	
	50	5744.965	6.09	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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Table 13: Chain 1 Frequency Stability

Band I (5150 – 5250 MHz):

Voltage vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5179.967	6.37	± 20
	12.0 V	5180.009	1.74	
	13.2 V	5179.973	5.21	

Temperature vs. Frequency Stability (5180MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
3.8 V	-30	--	--	± 20
	-20	--	--	
	-10	5179.964	6.95	
	0	5179.970	5.79	
	10	5179.966	6.56	
	20	5180.009	1.74	
	30	5179.963	7.14	
	40	5179.974	5.02	
	50	5179.959	7.92	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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Band IV (5725 – 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Temp (°C)	Voltage (V)			
20	10.8 V	5744.789	3.67	± 20
	12.0 V	5745.001	1.83	
	13.2 V	5744.956	5.92	

Temperature vs. Frequency Stability (5745MHz)

Test Conditions		Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)
Voltage (V)	Temp (°C)			
12.0 V	-30	--	--	± 20
	-20	--	--	
	-10	5744.964	6.27	
	0	5744.975	4.35	
	10	5744.984	2.79	
	20	5745.001	1.83	
	30	5744.945	9.57	
	40	5744.973	4.70	
	50	5744.964	6.27	

Note:

The all configurations were tested respectively, but only the worst channel shown here.

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4.2 Mains Emissions

4.2.1 Conducted Emission on AC Mains

RESULT:

PASS

Test standard	: FCC Part 15.207 RSS-Gen 8.8
Requirement	: ANSI C63.10-2013
Kind of test site	: Shielded room

Test setup

Input Voltage	: AC 120V, 60Hz; AC 240V, 50Hz
Operation Mode	: Normal Link
Earthing	: Not Connected
Ambient temperature	: 25°C
Relative humidity	: 52%

For details refer to following test plot.

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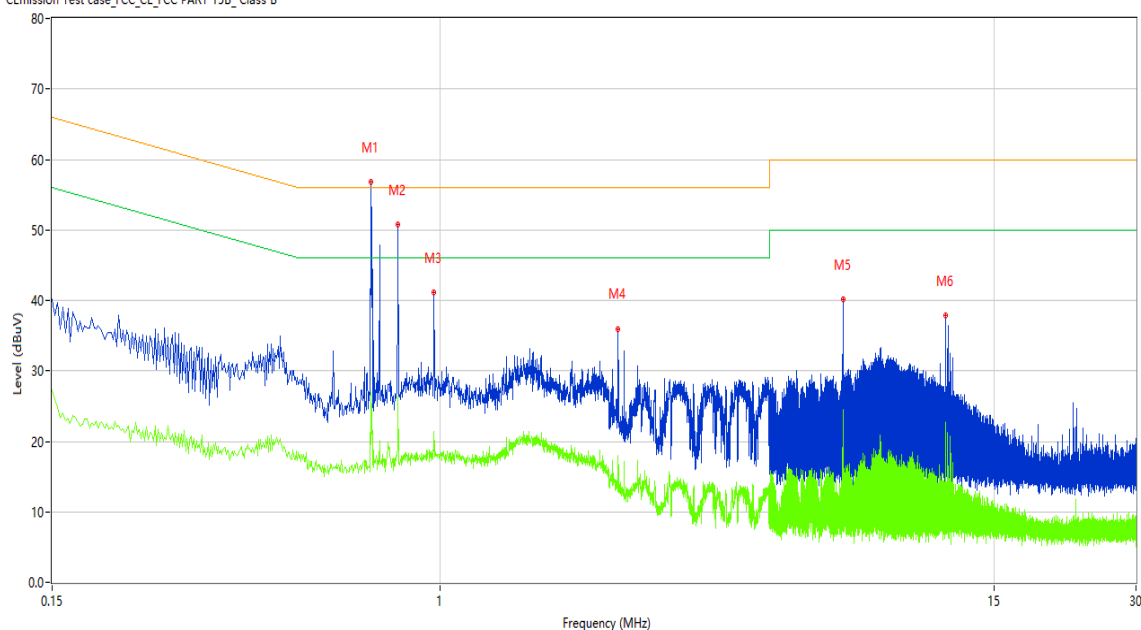
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Note:

The all configurations were tested respectively, but only the worst configuration shown here.

Figure 1: Conducted Emission on AC Mains, L Phase

CEmission Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.712	61.88	10.15	56.00	5.88	Peak	L	N/A
1*	0.712	39.80	10.15	56.00	-16.20	QP	L	Pass
1**	0.712	26.98	10.15	46.00	-19.02	AV	L	Pass
2	0.814	50.71	10.15	56.00	-5.29	Peak	L	Pass
2**	0.814	26.53	10.15	46.00	-19.47	AV	L	Pass
3	0.970	41.10	10.15	56.00	-14.90	Peak	L	Pass
3**	0.970	21.42	10.15	46.00	-24.58	AV	L	Pass
4	2.388	35.90	10.19	56.00	-20.10	Peak	L	Pass
4**	2.388	17.95	10.19	46.00	-28.05	AV	L	Pass
5	7.160	40.13	10.31	60.00	-19.87	Peak	L	Pass
5**	7.160	24.51	10.31	50.00	-25.49	AV	L	Pass
6	11.836	37.91	10.45	60.00	-22.09	Peak	L	Pass
6**	11.836	22.64	10.45	50.00	-27.36	AV	L	Pass

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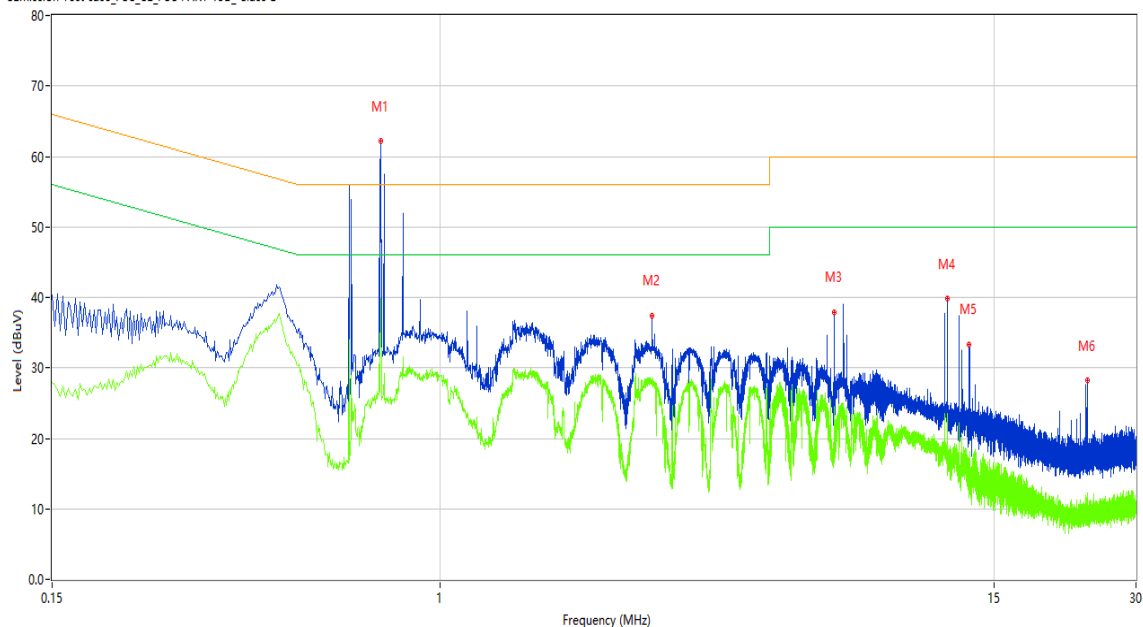
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Figure 2: Conducted Emission on AC Mains, N Phase

CEmission Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.748	66.77	10.15	56.00	10.77	Peak	N	N/A
1*	0.748	45.30	10.15	56.00	-10.70	QP	N	Pass
1**	0.748	39.83	10.15	46.00	-6.17	AV	N	Pass
2	2.812	37.44	10.21	56.00	-18.56	Peak	N	Pass
2**	2.812	28.06	10.21	46.00	-17.94	AV	N	Pass
3	6.862	37.89	10.30	60.00	-22.11	Peak	N	Pass
3**	6.862	24.49	10.30	50.00	-25.51	AV	N	Pass
4	11.922	39.79	10.46	60.00	-20.21	Peak	N	Pass
4**	11.922	23.46	10.46	50.00	-26.54	AV	N	Pass
5	13.284	33.29	10.46	60.00	-26.71	Peak	N	Pass
5**	13.284	17.11	10.46	50.00	-32.89	AV	N	Pass
6	23.678	28.33	10.50	60.00	-31.67	Peak	N	Pass
6**	23.678	12.20	10.50	50.00	-37.80	AV	N	Pass

End of the report