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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

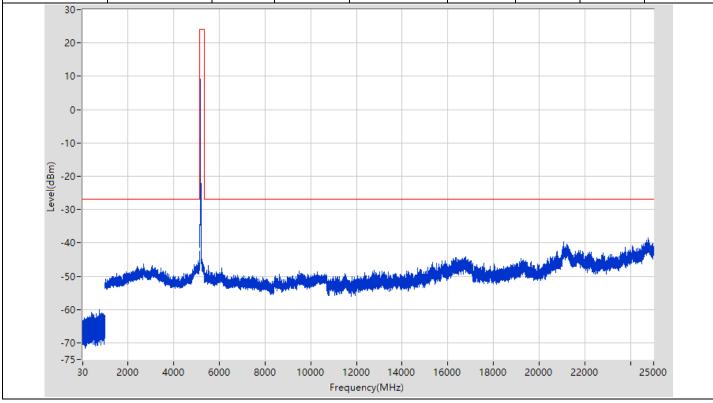
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 52%

For details refer to following test plot.

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

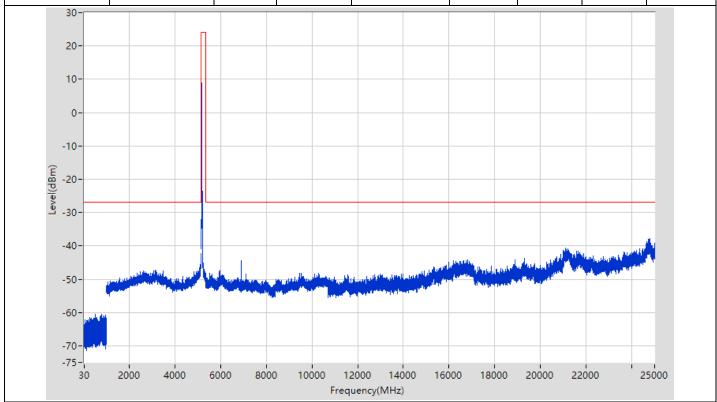
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	755.475	-60.05	-27	Pass	9700
1000	5150	1	Peak	5150	-42.62	-27	Pass	4150
5150	5350	1	Peak	5185.667	9.26	24	Pass	601
5350	10300	1	Peak	5526.036	-46.85	-27	Pass	4950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

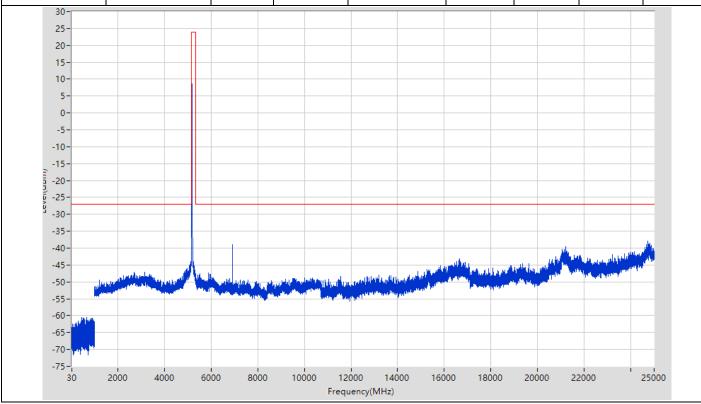
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	524.851	-60.52	-27	Pass	9700
1000	5150	1	Peak	5149	-42.22	-27	Pass	4150
5150	5350	1	Peak	5176.667	8.97	24	Pass	601
5350	10300	1	Peak	6906.314	-44.34	-27	Pass	4950
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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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11a, 5180MHz

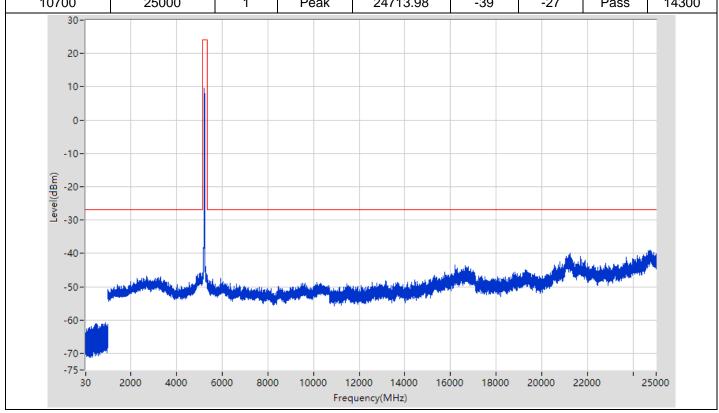
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	456.444	-60.52	-27	Pass	9700
1000	5150	1	Peak	5148	-42.4	-27	Pass	4150
5150	5350	1	Peak	5185.333	8.64	24	Pass	601
5350	10300	1	Peak	6906.314	-39.04	-27	Pass	4950
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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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5220MHz

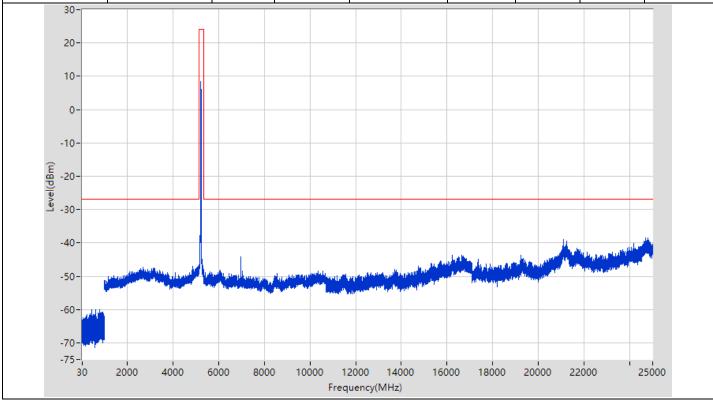
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	891.789	-60.89	-27	Pass	9700
1000	5150	1	Peak	5128.995	-45.92	-27	Pass	4150
5150	5350	1	Peak	5225.333	9.63	24	Pass	601
5350	10300	1	Peak	5925.116	-47.48	-27	Pass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

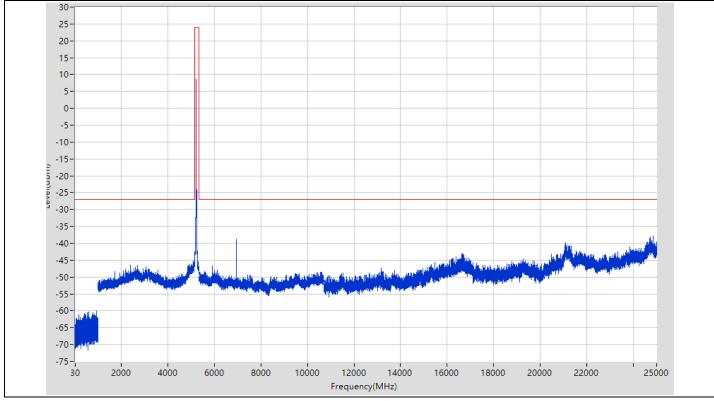
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	436.642	-60.08	-27	Pass	9700
1000	5150	1	Peak	5145.999	-46.55	-27	Pass	4150
5150	5350	1	Peak	5216.667	8.55	24	Pass	601
5350	10300	1	Peak	6960.325	-44.1	-27	Pass	4950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

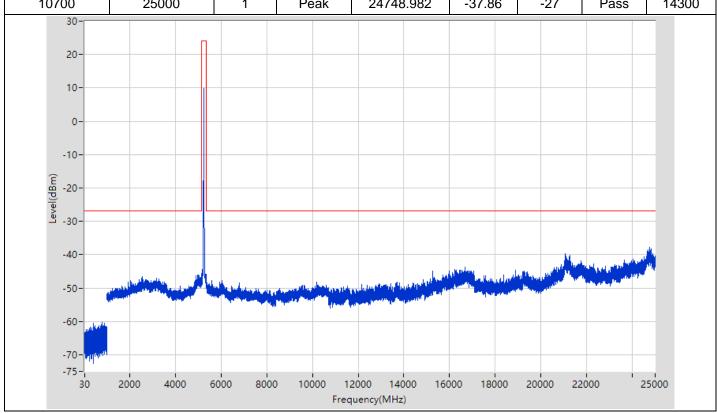
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	930.393	-60.11	-27	Pass	9700
1000	5150	1	Peak	5085.985	-45.22	-27	Pass	4150
5150	5350	1	Peak	5225.667	8.61	24	Pass	601
5350	10300	1	Peak	6960.325	-38.81	-27	Pass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

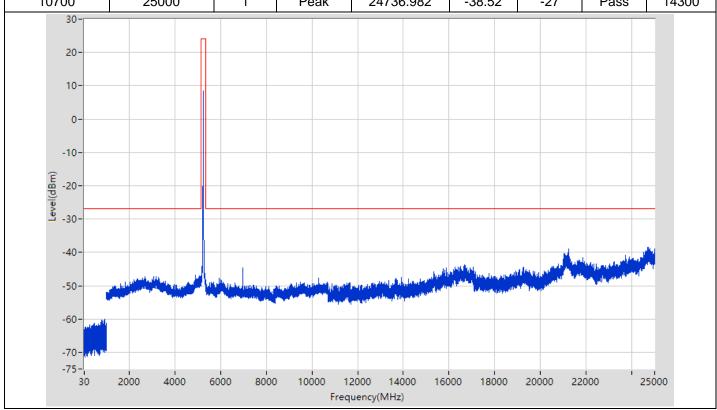
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	785.778	-60.35	-27	Pass	9700
1000	5150	1	Peak	4983.96	-46.03	-27	Pass	4150
5150	5350	1	Peak	5245.667	9.81	24	Pass	601
5350	10300	1	Peak	6038.139	-47.74	-27	Pass	4950
10300	10700	1	Peak	10604.667	-49.23	-27	Pass	601
10700	25000	1	Peak	24748.982	-37.86	-27	Pass	14300



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

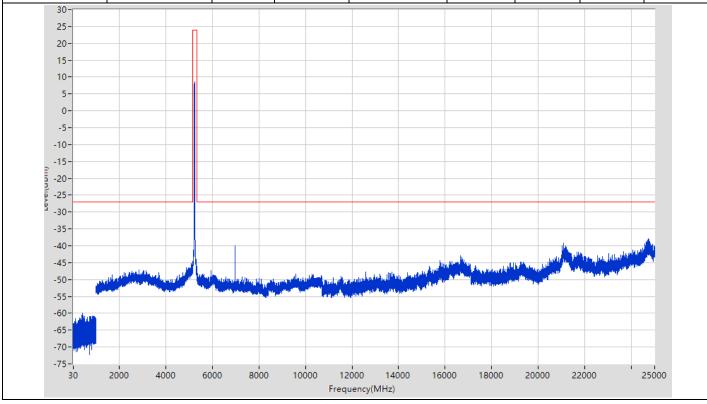
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	921.492	-60.18	-27	Pass	9700
1000	5150	1	Peak	4887.937	-46.87	-27	Pass	4150
5150	5350	1	Peak	5236.667	8.53	24	Pass	601
5350	10300	1	Peak	6987.331	-44.64	-27	Pass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

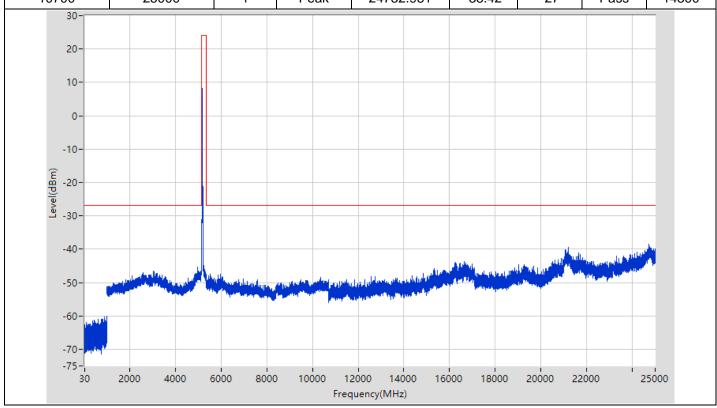
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	413.139	-59.93	-27	Pass	9700
1000	5150	1	Peak	5105.989	-45.14	-27	Pass	4150
5150	5350	1	Peak	5245.333	8.55	24	Pass	601
5350	10300	1	Peak	6986.331	-40.04	-27	Pass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

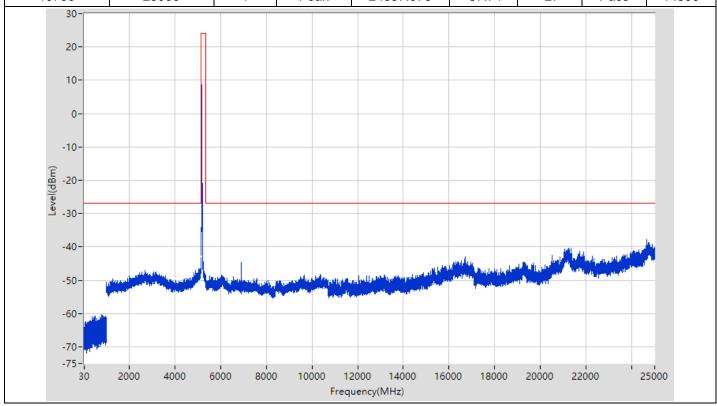
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	981.598	-60.17	-27	Pass	9700
1000	5150	1	Peak	5150	-41.1	-27	Pass	4150
5150	5350	1	Peak	5174	8.28	24	Pass	601
5350	10300	1	Peak	5533.037	-47.43	-27	Pass	4950
10300	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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MIMO Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5180MHz

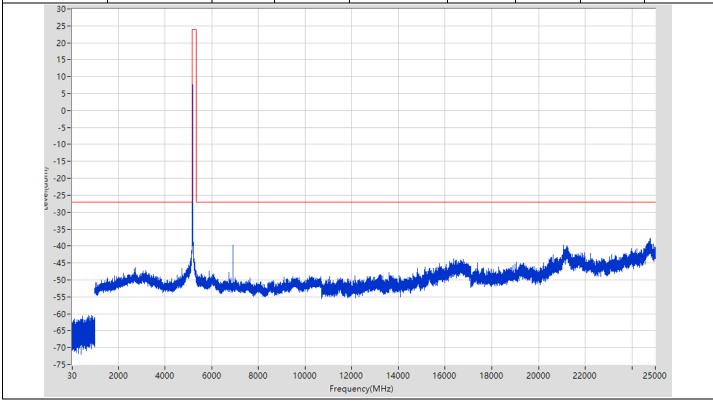
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	777.477	-60.2	-27	Pass	9700
1000	5150	1	Peak	5148	-43.13	-27	Pass	4150
5150	5350	1	Peak	5185.667	8.65	24	Pass	601
5350	10300	1	Peak	6906.314	-44.77	-27	Pass	4950
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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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5180MHz

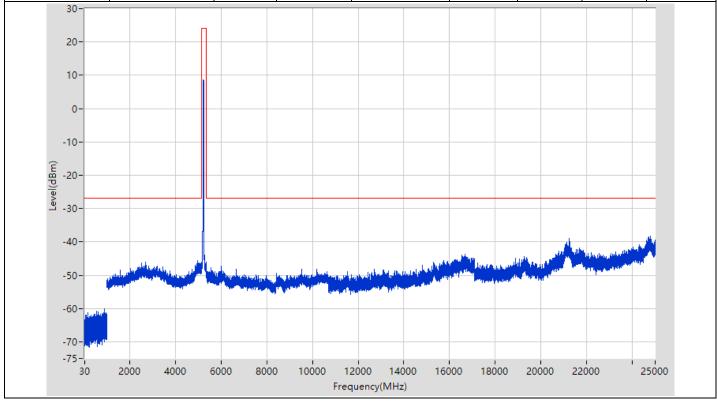
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	743.974	-60.53	-27	Pass	9700
1000	5150	1	Peak	5142.998	-41.43	-27	Pass	4150
5150	5350	1	Peak	5174	8.02	24	Pass	601
5350	10300	1	Peak	6906.314	-39.65	-27	Pass	4950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

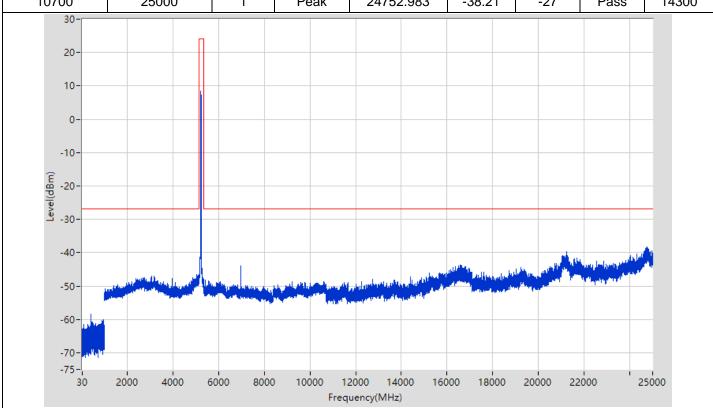
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	887.388	-60.06	-27	Pass	9700
1000	5150	1	Peak	4982.96	-45.56	-27	Pass	4150
5150	5350	1	Peak	5214	8.68	24	Pass	601
5350	10300	1	Peak	5996.131	-47.32	-27	Pass	4950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

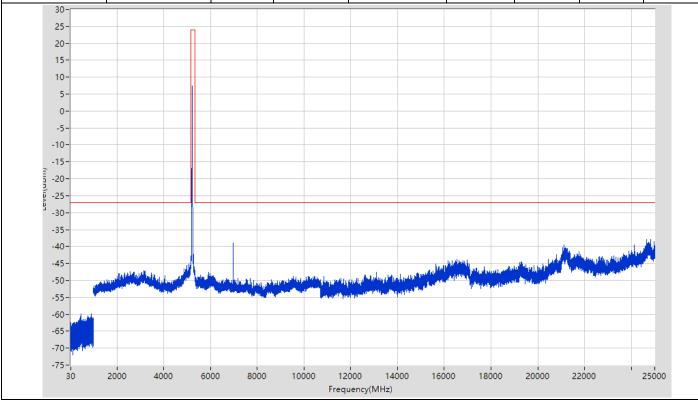
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	409.139	-58.38	-27	Pass	9700
1000	5150	1	Peak	5028.971	-46.67	-27	Pass	4150
5150	5350	1	Peak	5225.667	8.55	24	Pass	601
5350	10300	1	Peak	6960.325	-44.06	-27	Pass	4950
10300	10700	1	Peak	10588	-48.63	-27	Pass	601
10700	25000	1	Peak	24752.983	-38.21	-27	Pass	14300



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

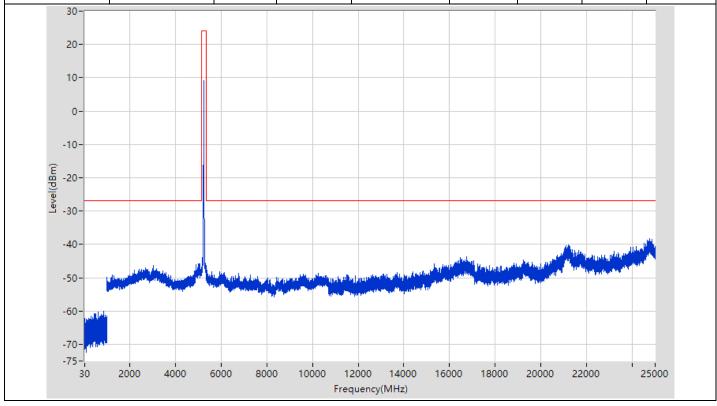
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	908.491	-59.91	-27	Pass	9700
1000	5150	1	Peak	5073.982	-45.24	-27	Pass	4150
5150	5350	1	Peak	5214.333	7.49	24	Pass	601
5350	10300	1	Peak	6960.325	-38.89	-27	Pass	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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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5240MHz

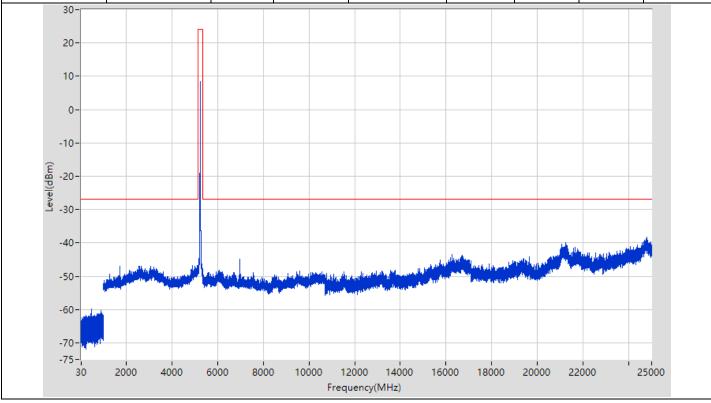
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	867.986	-60	-27	Pass	9700
1000	5150	1	Peak	5000.964	-45.76	-27	Pass	4150
5150	5350	1	Peak	5234.667	9.04	24	Pass	601
5350	10300	1	Peak	5357.001	-47.57	-27	Pass	4950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



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

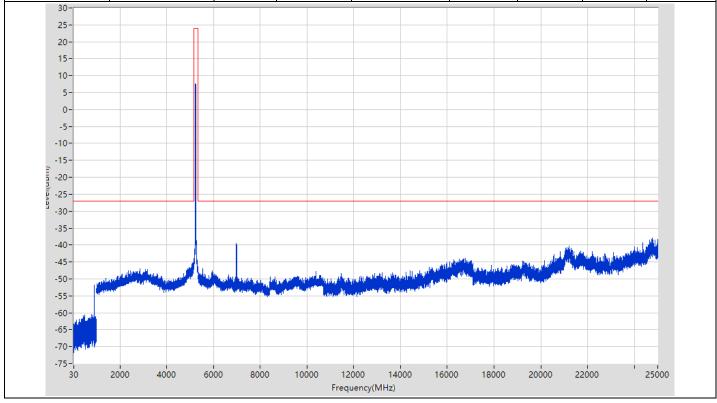
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	463.945	-59.9	-27	Pass	9700
1000	5150	1	Peak	4887.937	-46.74	-27	Pass	4150
5150	5350	1	Peak	5246	8.4	24	Pass	601
5350	10300	1	Peak	6986.331	-44.81	-27	Pass	4950
10300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



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

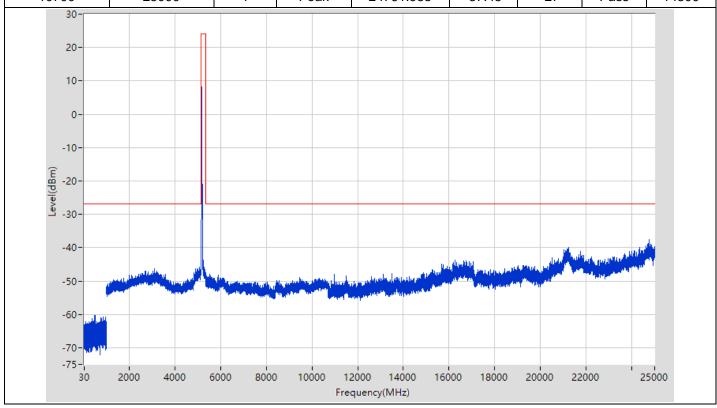
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	892.889	-51.72	-27	Pass	9700
1000	5150	1	Peak	5129.995	-45.23	-27	Pass	4150
5150	5350	1	Peak	5234.333	7.61	24	Pass	601
5350	10300	1	Peak	6986.331	-39.48	-27	Pass	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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MIMO Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5180MHz

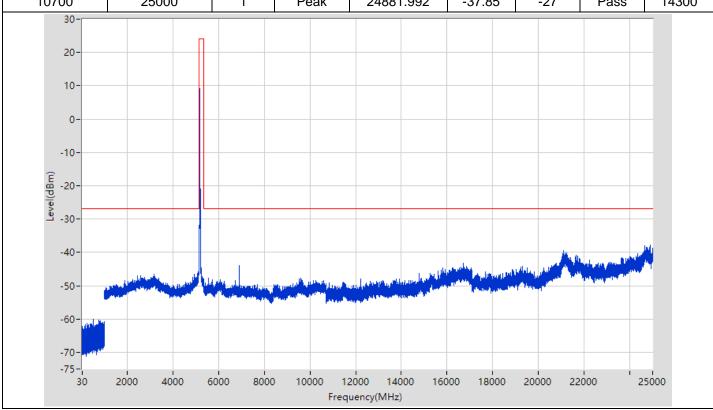
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	471.045	-60.2	-27	Pass	9700
1000	5150	1	Peak	5150	-40.16	-27	Pass	4150
5150	5350	1	Peak	5174.667	8.14	24	Pass	601
5350	10300	1	Peak	5536.038	-48.07	-27	Pass	4950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



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

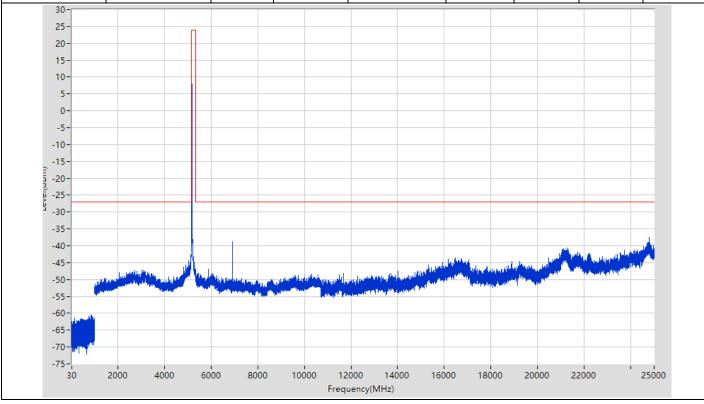
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	513.95	-60.13	-27	Pass	9700
1000	5150	1	Peak	5149	-41.91	-27	Pass	4150
5150	5350	1	Peak	5176.667	9.1	24	Pass	601
5350	10300	1	Peak	6906.314	-44.02	-27	Pass	4950
10300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



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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5180MHz

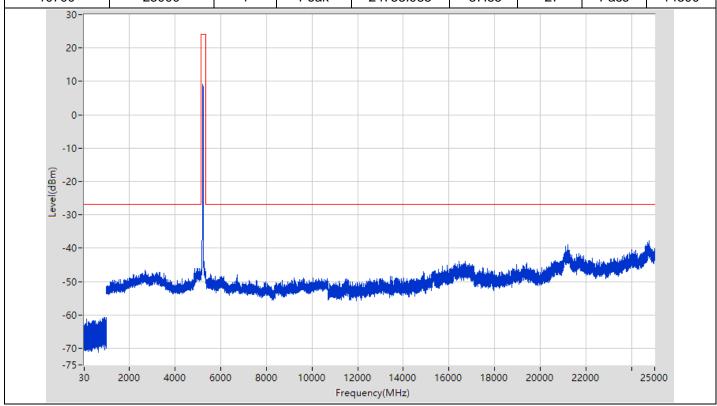
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	882.788	-60.44	-27	Pass	9700
1000	5150	1	Peak	5143.999	-42.19	-27	Pass	4150
5150	5350	1	Peak	5185	8.02	24	Pass	601
5350	10300	1	Peak	6906.314	-38.82	-27	Pass	4950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

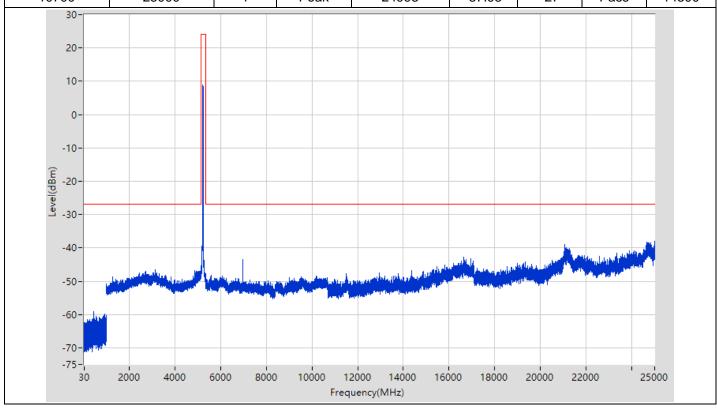
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	939.794	-60.67	-27	Pass	9700
1000	5150	1	Peak	4954.953	-46.06	-27	Pass	4150
5150	5350	1	Peak	5226	9.05	24	Pass	601
5350	10300	1	Peak	5572.045	-47.83	-27	Pass	4950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



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

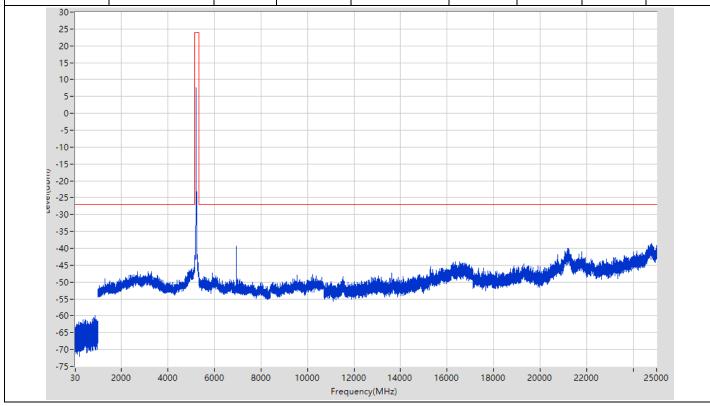
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	434.542	-59.23	-27	Pass	9700
1000	5150	1	Peak	5150	-46.39	-27	Pass	4150
5150	5350	1	Peak	5227.667	8.8	24	Pass	601
5350	10300	1	Peak	6960.325	-43.36	-27	Pass	4950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



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

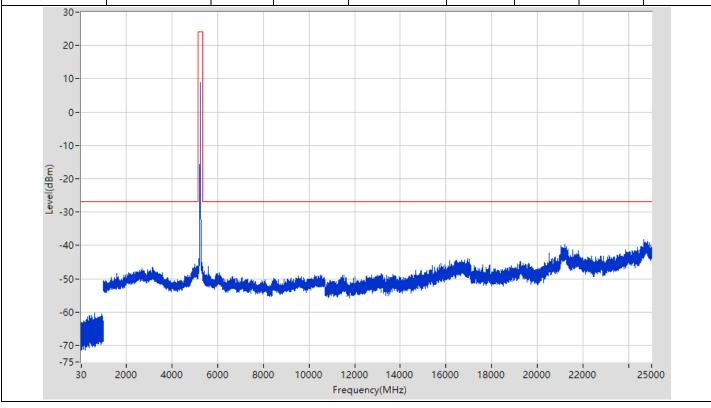
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	892.089	-59.89	-27	Pass	9700
1000	5150	1	Peak	5145.999	-44.43	-27	Pass	4150
5150	5350	1	Peak	5225.667	7.6	24	Pass	601
5350	10300	1	Peak	6960.325	-39.43	-27	Pass	4950
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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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5240MHz

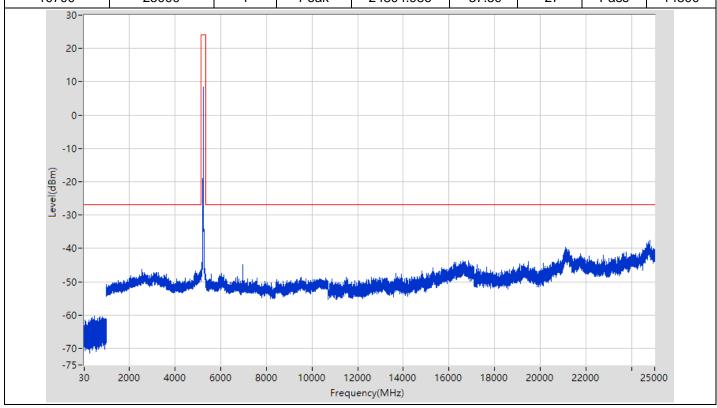
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	626.762	-60.32	-27	Pass	9700
1000	5150	1	Peak	4999.964	-45.69	-27	Pass	4150
5150	5350	1	Peak	5234.667	8.82	24	Pass	601
5350	10300	1	Peak	5598.05	-46.31	-27	Pass	4950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



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

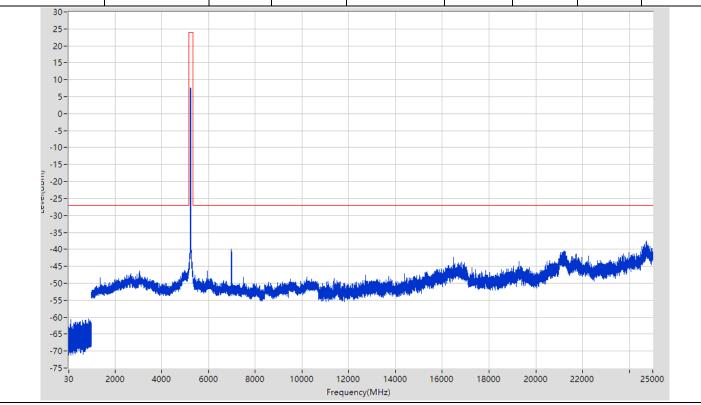
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	491.448	-60.29	-27	Pass	9700
1000	5150	1	Peak	2561.376	-46.28	-27	Pass	4150
5150	5350	1	Peak	5246.667	8.53	24	Pass	601
5350	10300	1	Peak	6986.331	-44.84	-27	Pass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



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

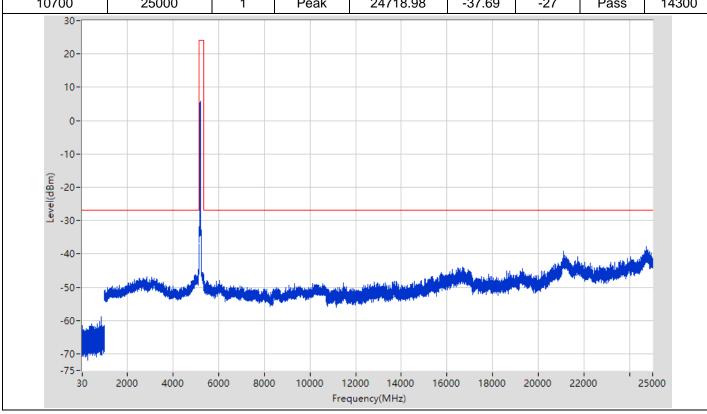
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	875.187	-60.44	-27	Pass	9700
1000	5150	1	Peak	5138.997	-45.81	-27	Pass	4150
5150	5350	1	Peak	5233.333	7.62	24	Pass	601
5350	10300	1	Peak	6986.331	-40	-27	Pass	4950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



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

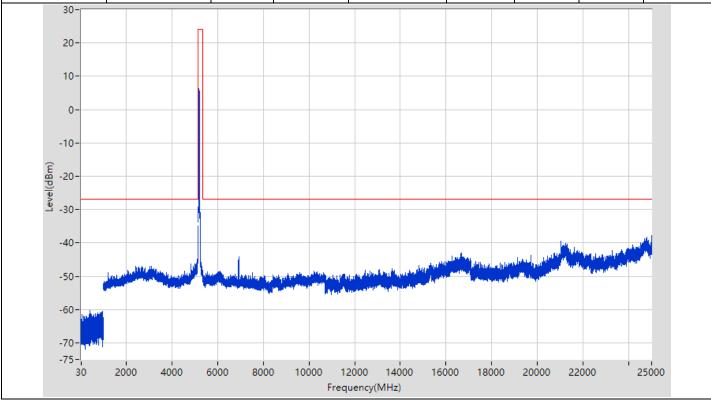
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	875.487	-58.97	-27	Pass	9700
1000	5150	1	Peak	5143.999	-37.06	-27	Pass	4150
5150	5350	1	Peak	5197.667	5.85	24	Pass	601
5350	10300	1	Peak	5500.03	-48.07	-27	Pass	4950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



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

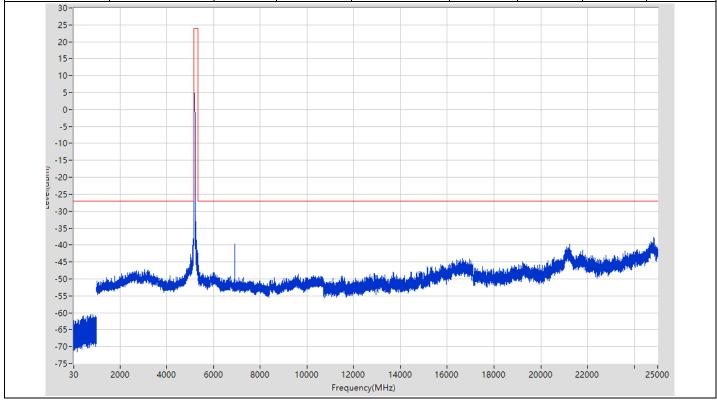
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	422.44	-60.27	-27	Pass	9700
1000	5150	1	Peak	5150	-35.06	-27	Pass	4150
5150	5350	1	Peak	5188.333	6.24	24	Pass	601
5350	10300	1	Peak	6920.317	-44.1	-27	Pass	4950
10300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



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

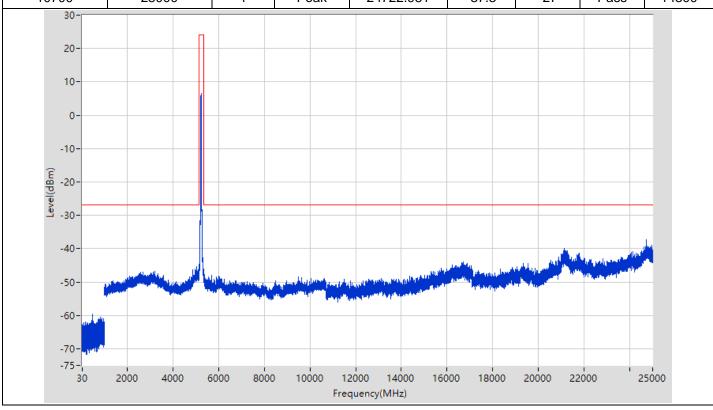
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	834.683	-60.48	-27	Pass	9700
1000	5150	1	Peak	5150	-33.65	-27	Pass	4150
5150	5350	1	Peak	5194.333	4.75	24	Pass	601
5350	10300	1	Peak	6920.317	-39.81	-27	Pass	4950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



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

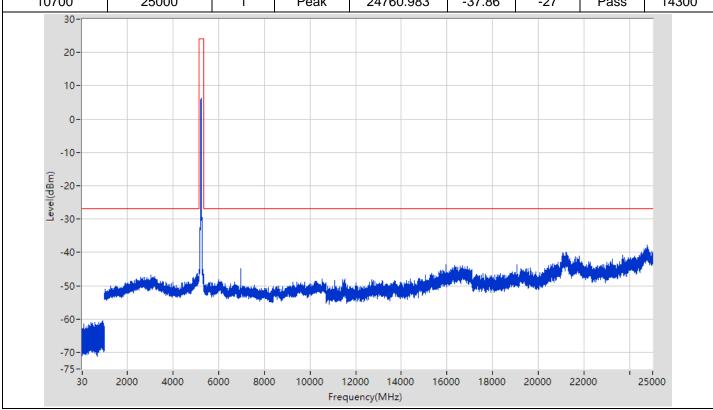
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	487.447	-59.65	-27	Pass	9700
1000	5150	1	Peak	5036.973	-45.48	-27	Pass	4150
5150	5350	1	Peak	5234.667	6.54	24	Pass	601
5350	10300	1	Peak	5362.002	-47.63	-27	Pass	4950
10300	10700	1	Peak	10647.333	-48.94	-27	Pass	601
10700	25000	1	Peak	24722.981	-37.3	-27	Pass	14300



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

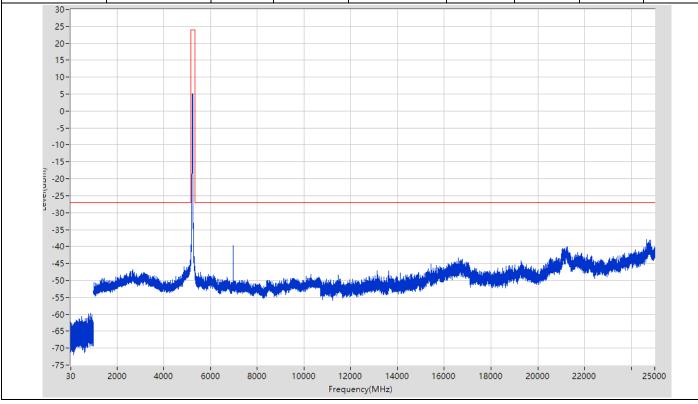
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	920.592	-60.54	-27	Pass	9700
1000	5150	1	Peak	5073.982	-46.4	-27	Pass	4150
5150	5350	1	Peak	5237.667	6.38	24	Pass	601
5350	10300	1	Peak	6973.328	-44.8	-27	Pass	4950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



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

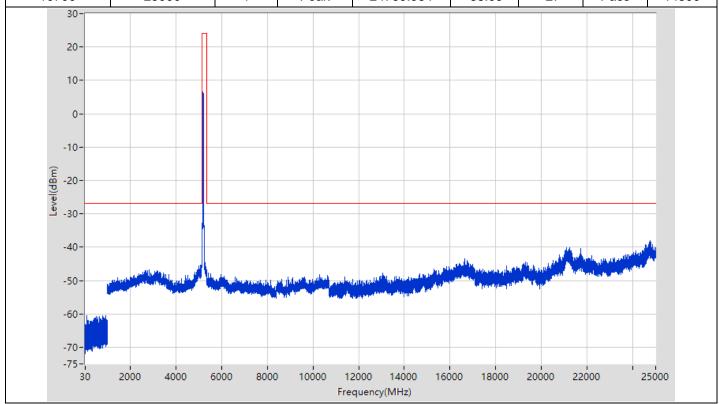
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	871.887	-59.69	-27	Pass	9700
1000	5150	1	Peak	5141.998	-43.87	-27	Pass	4150
5150	5350	1	Peak	5237.667	5.18	24	Pass	601
5350	10300	1	Peak	6973.328	-39.75	-27	Pass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



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

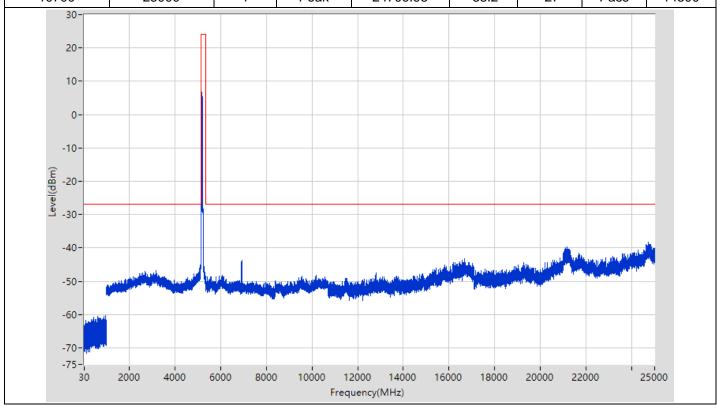
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	775.377	-60.51	-27	Pass	9700
1000	5150	1	Peak	5141.998	-36.62	-27	Pass	4150
5150	5350	1	Peak	5179.667	6.49	24	Pass	601
5350	10300	1	Peak	5409.012	-47.77	-27	Pass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



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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

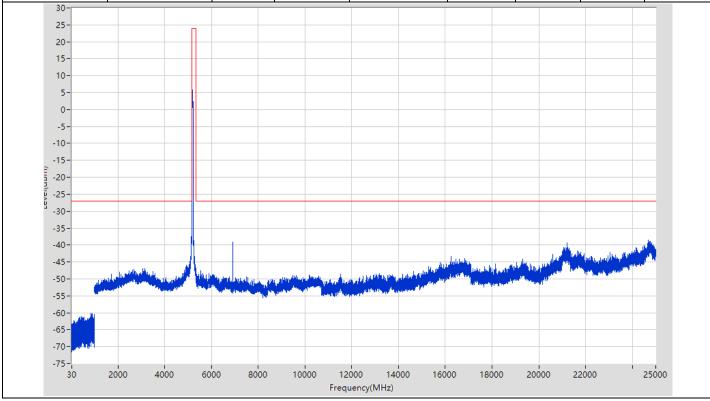


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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT40), 5190MHz

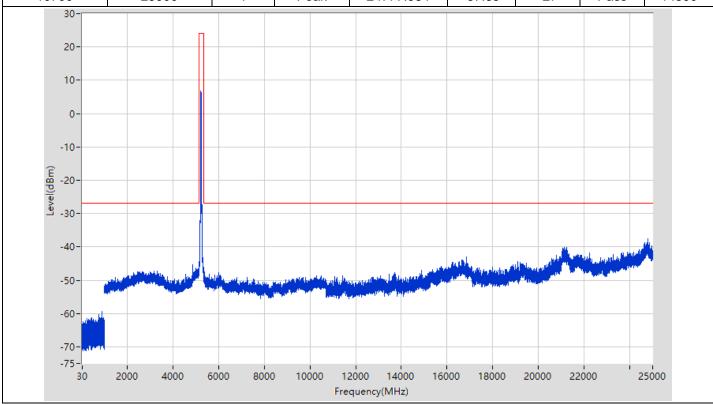
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	846.184	-60.19	-27	Pass	9700
1000	5150	1	Peak	5145.999	-37.53	-27	Pass	4150
5150	5350	1	Peak	5179.667	5.89	24	Pass	601
5350	10300	1	Peak	6920.317	-39.1	-27	Pass	4950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



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

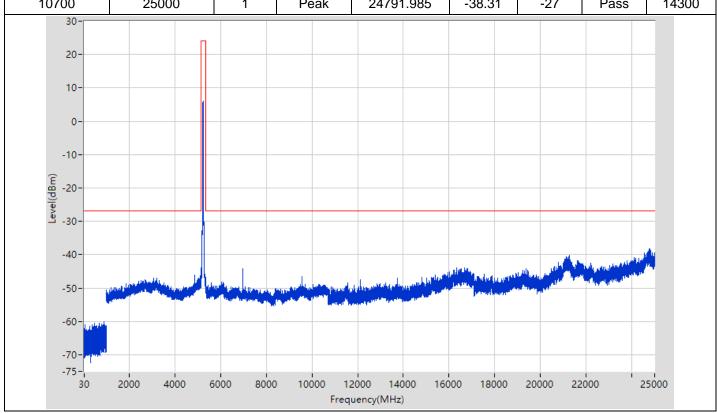
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	909.391	-59.24	-27	Pass	9700
1000	5150	1	Peak	4877.934	-45.27	-27	Pass	4150
5150	5350	1	Peak	5219.333	6.79	24	Pass	601
5350	10300	1	Peak	5374.005	-47.6	-27	Pass	4950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



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

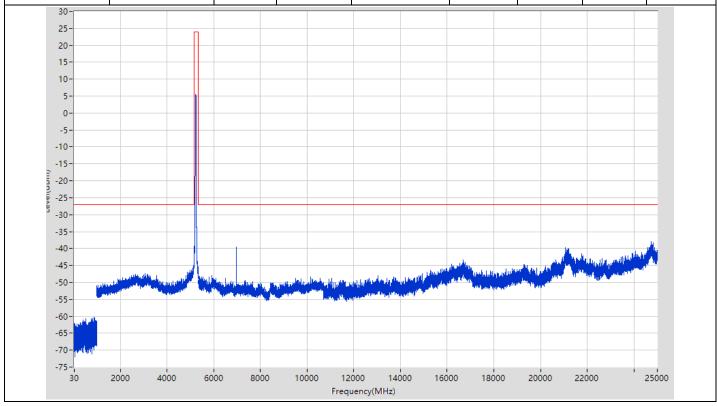
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	881.288	-59.96	-27	Pass	9700
1000	5150	1	Peak	5135.997	-46.08	-27	Pass	4150
5150	5350	1	Peak	5237.333	6.09	24	Pass	601
5350	10300	1	Peak	6973.328	-44.09	-27	Pass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



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

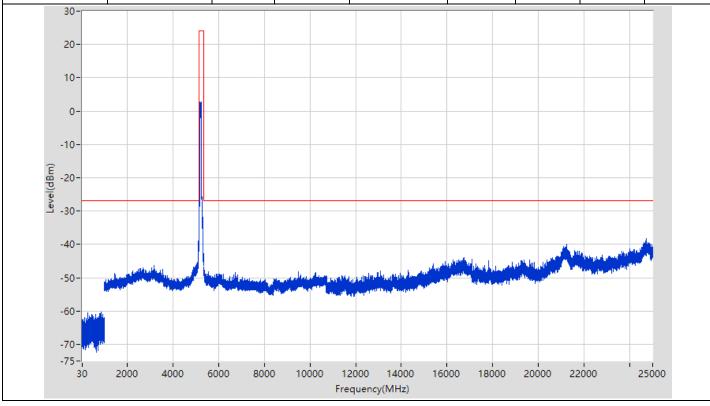
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	866.786	-60.21	-27	Pass	9700
1000	5150	1	Peak	5138.997	-44.89	-27	Pass	4150
5150	5350	1	Peak	5219.667	5.69	24	Pass	601
5350	10300	1	Peak	6973.328	-39.58	-27	Pass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



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

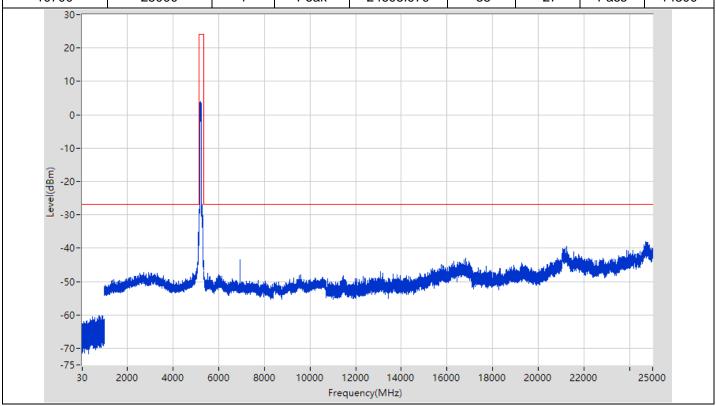
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	844.284	-60.22	-27	Pass	9700
1000	5150	1	Peak	5150	-33.21	-27	Pass	4150
5150	5350	1	Peak	5181	2.77	24	Pass	601
5350	10300	1	Peak	5350	-46.9	-27	Pass	4950
10300	10700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



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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

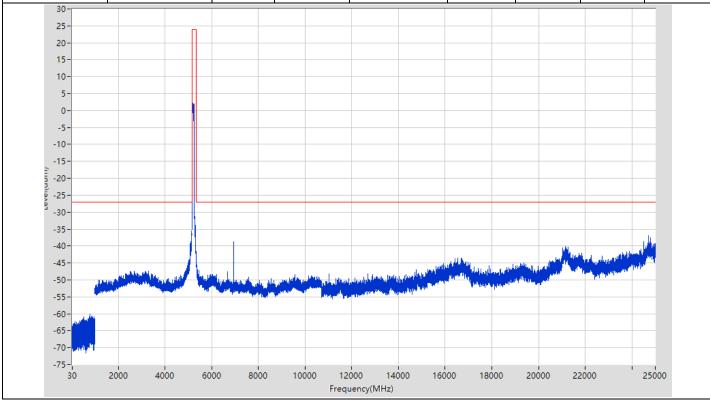


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Chain 1 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT80), 5210MHz

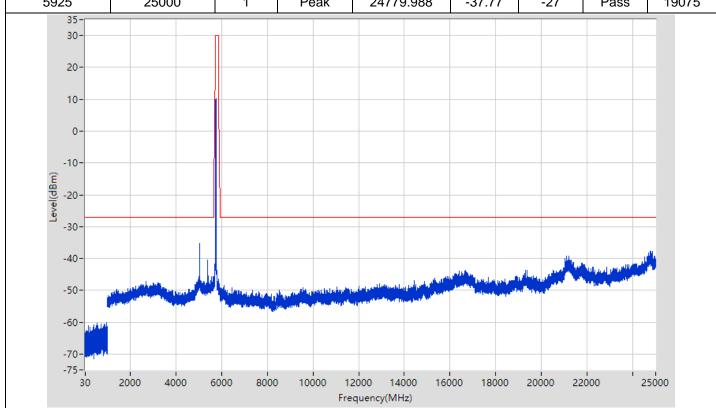
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	791.178	-60.01	-27	Pass	9700
1000	5150	1	Peak	5148	-35.52	-27	Pass	4150
5150	5350	1	Peak	5177	2.64	24	Pass	601
5350	10300	1	Peak	6946.322	-38.71	-27	Pass	4950
10300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



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

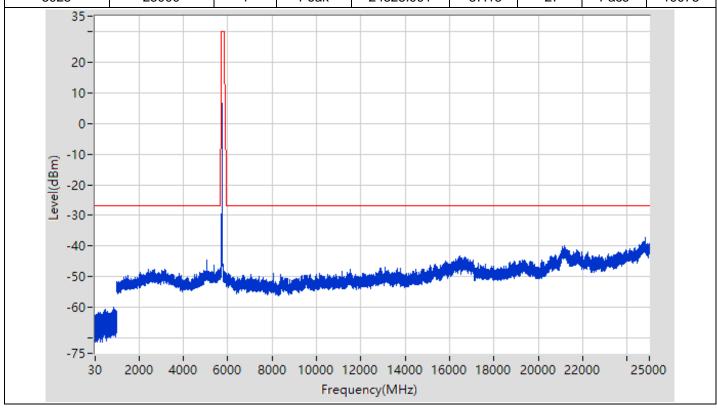
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	962.096	-59.99	-27	Pass	9700
1000	5650	1	Peak	5040.869	-35.33	-27	Pass	4650
5650	5700	1	Peak	5650.75	-45.72	-26.45	Pass	601
5700	5720	1	Peak	5717.767	-35.52	14.97	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



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

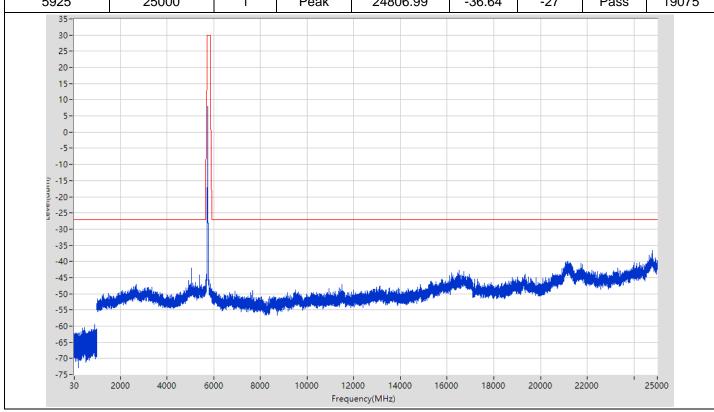
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	847.384	-59.98	-27	Pass	9700
1000	5650	1	Peak	5040.869	-44.56	-27	Pass	4650
5650	5700	1	Peak	5651.417	-47.64	-25.95	Pass	601
5700	5720	1	Peak	5719.9	-38.03	15.57	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



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

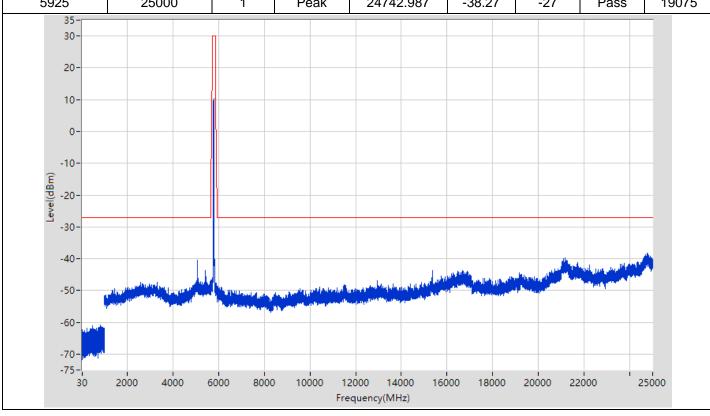
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	902.09	-59.58	-27	Pass	9700
1000	5650	1	Peak	5040.869	-42.03	-27	Pass	4650
5650	5700	1	Peak	5651.25	-45.64	-26.07	Pass	601
5700	5720	1	Peak	5719.933	-35.95	15.58	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



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

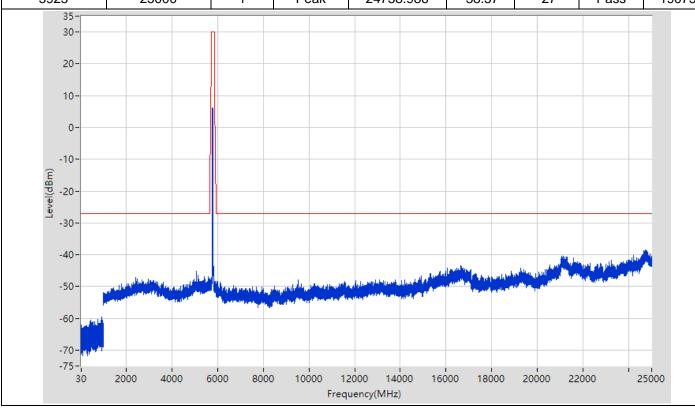
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	838.783	-60.85	-27	Pass	9700
1000	5650	1	Peak	5080.878	-40.53	-27	Pass	4650
5650	5700	1	Peak	5650.583	-48.15	-26.57	Pass	601
5700	5720	1	Peak	5700.9	-47.52	10.25	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



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

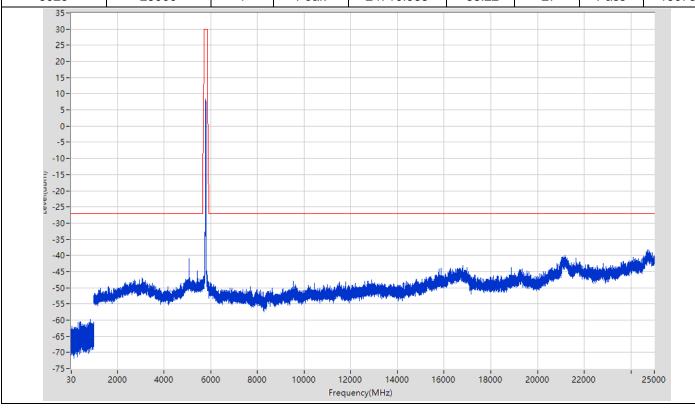
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	933.393	-59.61	-27	Pass	9700
1000	5650	1	Peak	5080.878	-45.27	-27	Pass	4650
5650	5700	1	Peak	5650.5	-49.22	-26.63	Pass	601
5700	5720	1	Peak	5700.167	-48.87	10.05	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



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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

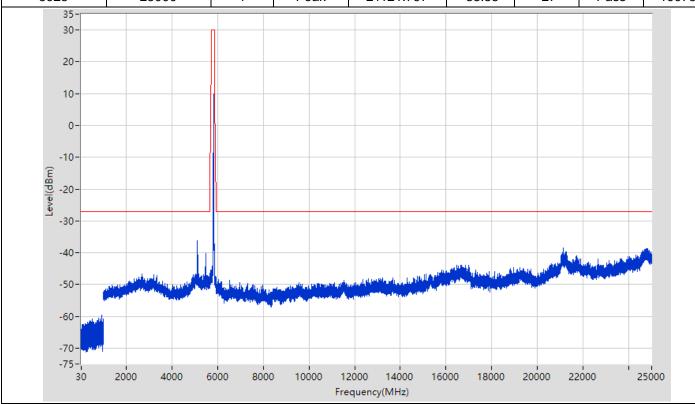


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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11a, 5825MHz

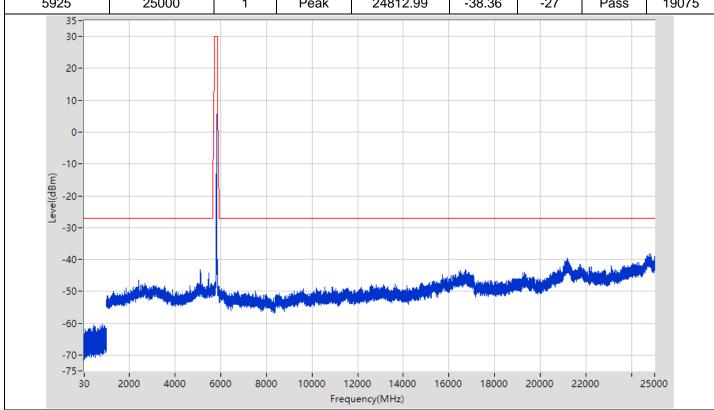
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	917.491	-59.54	-27	Pass	9700
1000	5650	1	Peak	5120.886	-36.2	-27	Pass	4650
5650	5700	1	Peak	5650.417	-48.17	-26.69	Pass	601
5700	5720	1	Peak	5700.667	-46.74	10.19	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



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

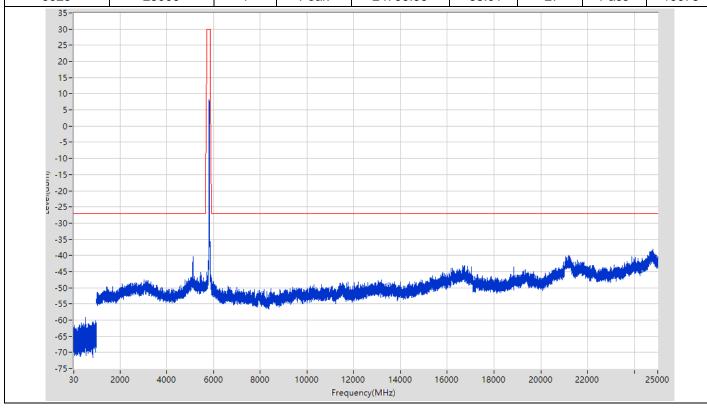
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	823.582	-60.3	-27	Pass	9700
1000	5650	1	Peak	5120.886	-43.27	-27	Pass	4650
5650	5700	1	Peak	5650.5	-48.9	-26.63	Pass	601
5700	5720	1	Peak	5700.7	-48.98	10.2	Pass	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



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

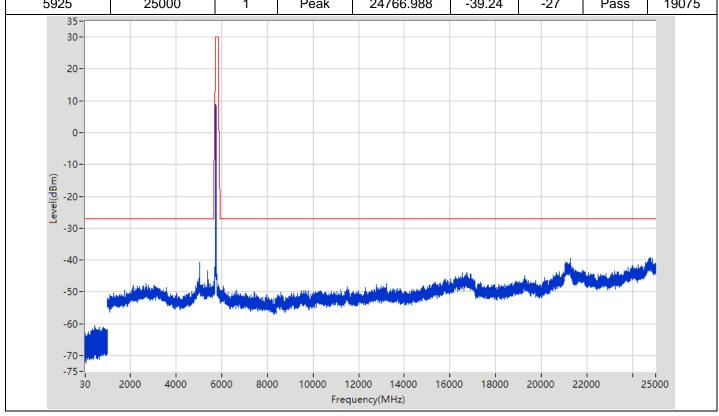
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	539.152	-59.17	-27	Pass	9700
1000	5650	1	Peak	5120.886	-40.27	-27	Pass	4650
5650	5700	1	Peak	5650.583	-48.63	-26.57	Pass	601
5700	5720	1	Peak	5702.267	-47.71	10.63	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



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

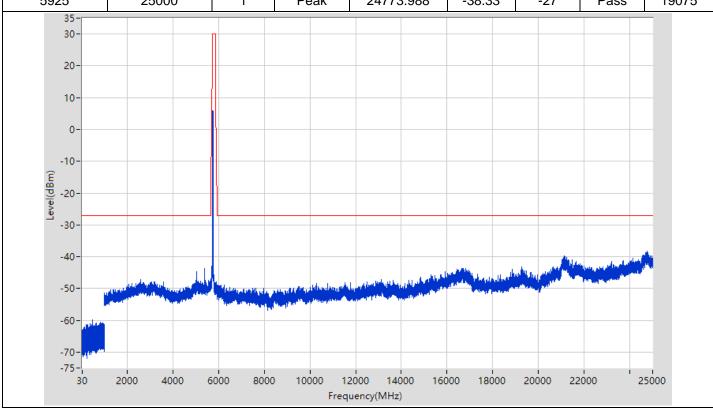
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	430.041	-60.59	-27	Pass	9700
1000	5650	1	Peak	5040.869	-40.74	-27	Pass	4650
5650	5700	1	Peak	5650.917	-46.72	-26.32	Pass	601
5700	5720	1	Peak	5720	-34.1	15.6	Pass	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



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

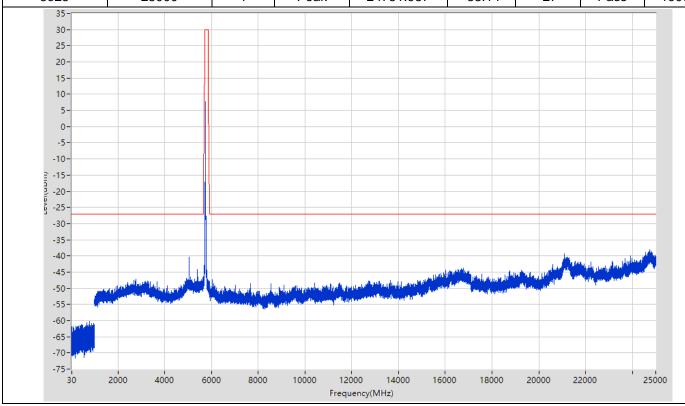
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	468.245	-59.87	-27	Pass	9700
1000	5650	1	Peak	5392.945	-43.6	-27	Pass	4650
5650	5700	1	Peak	5650.25	-47.69	-26.82	Pass	601
5700	5720	1	Peak	5714.533	-39.86	14.07	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



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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

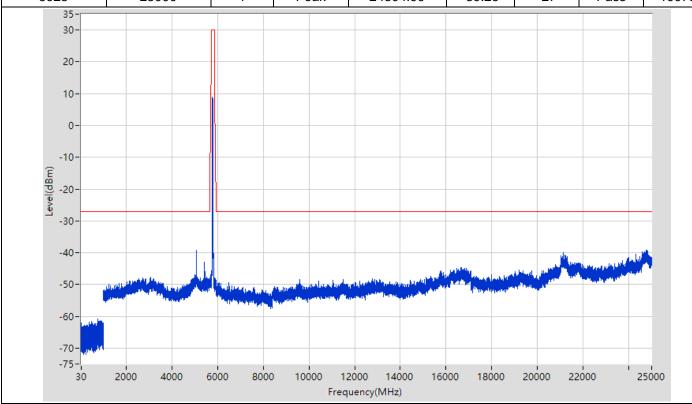


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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11n(HT20), 5785MHz

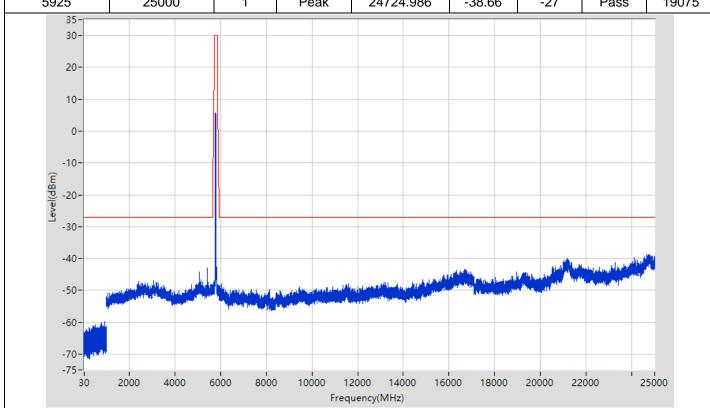
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	769.276	-60.93	-27	Pass	9700
1000	5650	1	Peak	5080.878	-39.37	-27	Pass	4650
5650	5700	1	Peak	5650	-49.68	-27	Pass	601
5700	5720	1	Peak	5700.433	-48.01	10.12	Pass	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



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

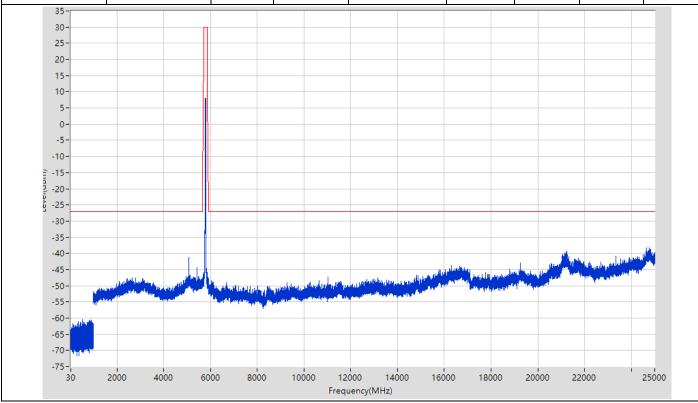
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	927.893	-59.85	-27	Pass	9700
1000	5650	1	Peak	5432.953	-43.06	-27	Pass	4650
5650	5700	1	Peak	5650.5	-48.86	-26.63	Pass	601
5700	5720	1	Peak	5703.733	-47.51	11.05	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



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

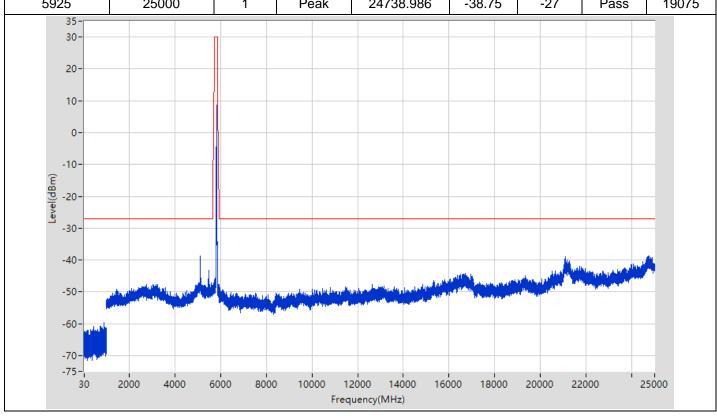
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	512.95	-60.49	-27	Pass	9700
1000	5650	1	Peak	5080.878	-41.2	-27	Pass	4650
5650	5700	1	Peak	5650.083	-48.47	-26.94	Pass	601
5700	5720	1	Peak	5700.767	-47.71	10.21	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



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

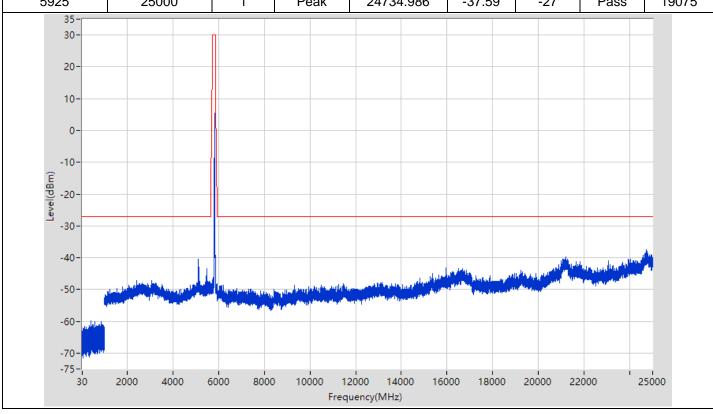
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	910.491	-59.71	-27	Pass	9700
1000	5650	1	Peak	5120.886	-38.75	-27	Pass	4650
5650	5700	1	Peak	5650.667	-48.86	-26.51	Pass	601
5700	5720	1	Peak	5700	-47.87	10	Pass	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



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

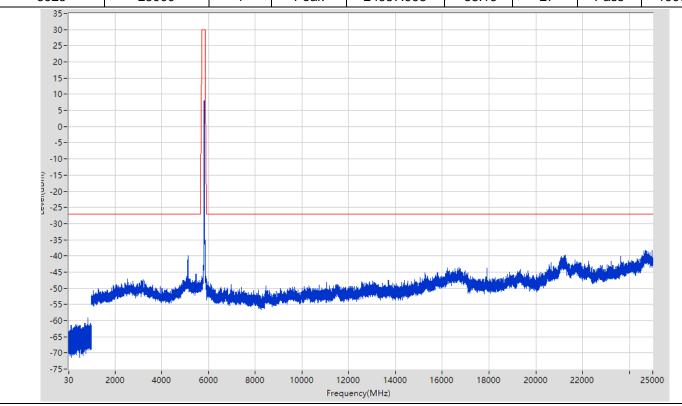
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	404.839	-59.83	-27	Pass	9700
1000	5650	1	Peak	5121.886	-40.42	-27	Pass	4650
5650	5700	1	Peak	5650.75	-48.9	-26.45	Pass	601
5700	5720	1	Peak	5700.2	-48.88	10.06	Pass	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



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

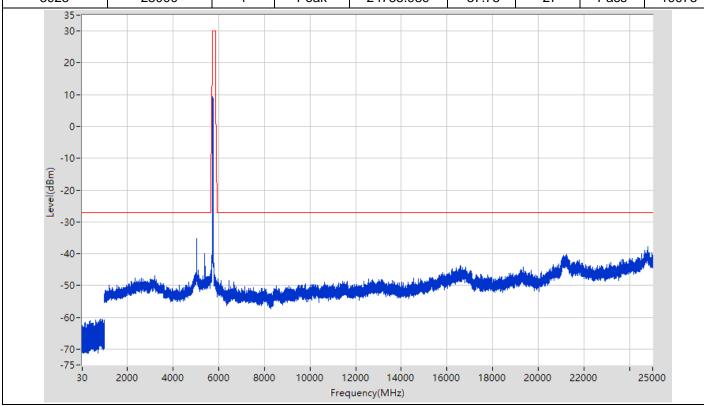
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	850.485	-59.08	-27	Pass	9700
1000	5650	1	Peak	5120.886	-39.87	-27	Pass	4650
5650	5700	1	Peak	5650.167	-49.32	-26.88	Pass	601
5700	5720	1	Peak	5701.267	-47.9	10.35	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



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

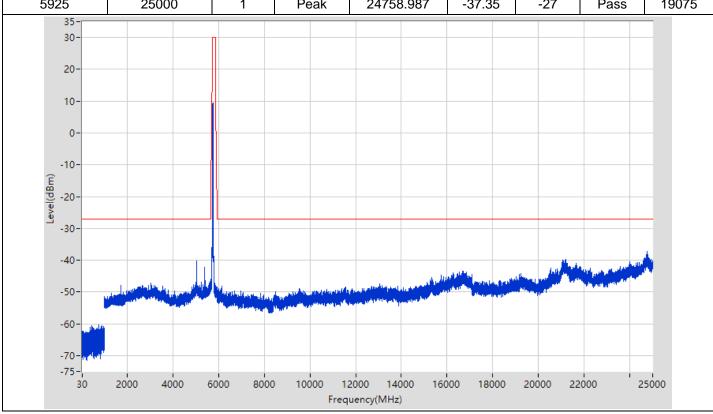
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	900.99	-60.53	-27	Pass	9700
1000	5650	1	Peak	5040.869	-35.31	-27	Pass	4650
5650	5700	1	Peak	5650.333	-46.68	-26.75	Pass	601
5700	5720	1	Peak	5719.7	-34.46	15.52	Pass	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



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

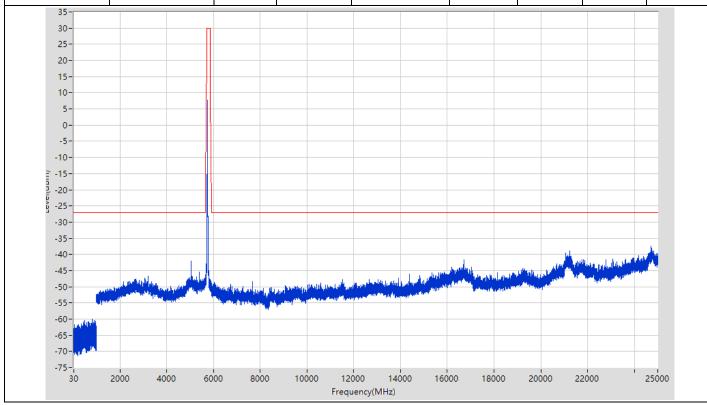
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	768.376	-60.25	-27	Pass	9700
1000	5650	1	Peak	5040.869	-40.3	-27	Pass	4650
5650	5700	1	Peak	5651.25	-46.24	-26.07	Pass	601
5700	5720	1	Peak	5720	-29.91	15.6	Pass	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



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

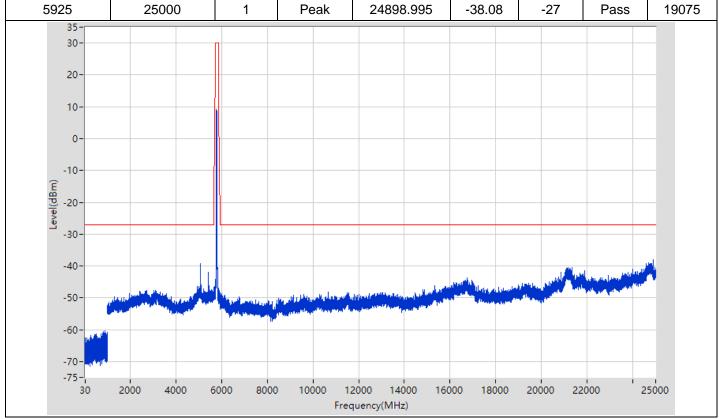
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	827.482	-60.04	-27	Pass	9700
1000	5650	1	Peak	5040.869	-42.08	-27	Pass	4650
5650	5700	1	Peak	5650.917	-46.56	-26.32	Pass	601
5700	5720	1	Peak	5719.633	-35.56	15.5	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



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

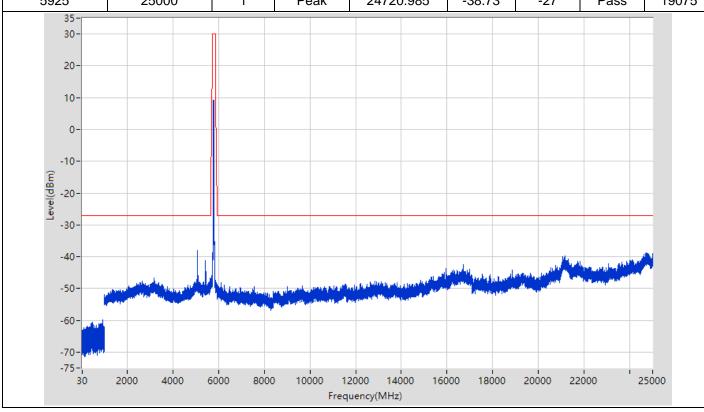
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	882.388	-60.39	-27	Pass	9700
1000	5650	1	Peak	5080.878	-39.19	-27	Pass	4650
5650	5700	1	Peak	5650.333	-48.78	-26.75	Pass	601
5700	5720	1	Peak	5702.333	-47.16	10.65	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



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

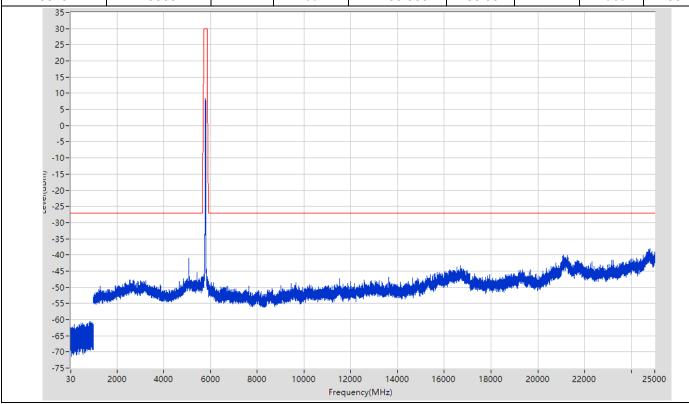
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	945.094	-59.92	-27	Pass	9700
1000	5650	1	Peak	5080.878	-37.95	-27	Pass	4650
5650	5700	1	Peak	5650	-48.42	-27	Pass	601
5700	5720	1	Peak	5700.367	-47.11	10.1	Pass	601
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



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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

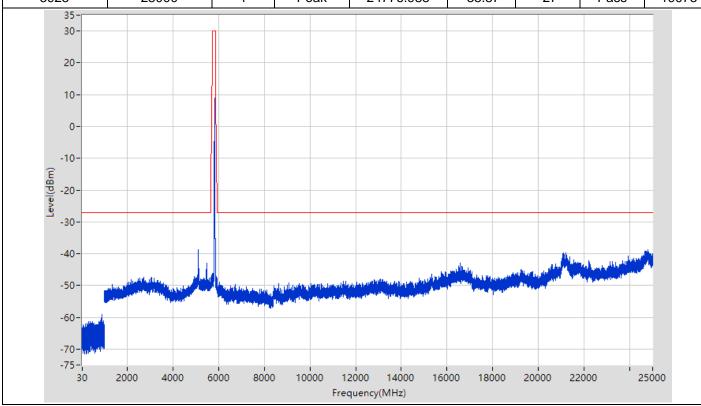


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Chain 2 Undesirable Emission, 30MHz-25GHz, 802.11ac(VHT20), 5825MHz

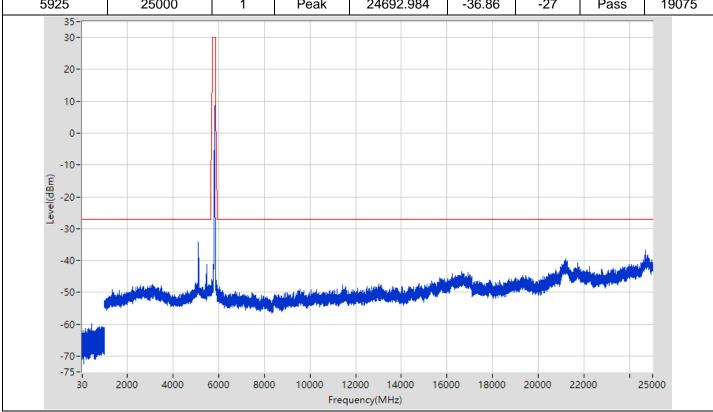
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	902.19	-59.03	-27	Pass	9700
1000	5650	1	Peak	5120.886	-38.7	-27	Pass	4650
5650	5700	1	Peak	5651.5	-47.82	-25.89	Pass	601
5700	5720	1	Peak	5700.133	-47.94	10.04	Pass	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



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

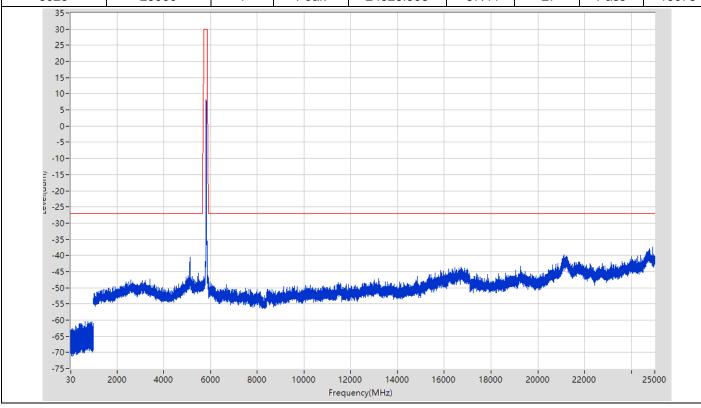
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	450.743	-59.9	-27	Pass	9700
1000	5650	1	Peak	5120.886	-34.22	-27	Pass	4650
5650	5700	1	Peak	5650.333	-48.21	-26.75	Pass	601
5700	5720	1	Peak	5708.267	-45.94	12.31	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



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

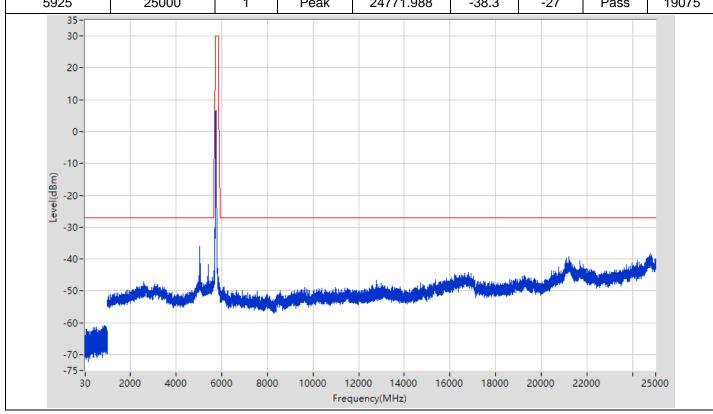
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	630.262	-60.38	-27	Pass	9700
1000	5650	1	Peak	5120.886	-40.65	-27	Pass	4650
5650	5700	1	Peak	5650	-49.61	-27	Pass	601
5700	5720	1	Peak	5700.667	-47.47	10.19	Pass	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



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

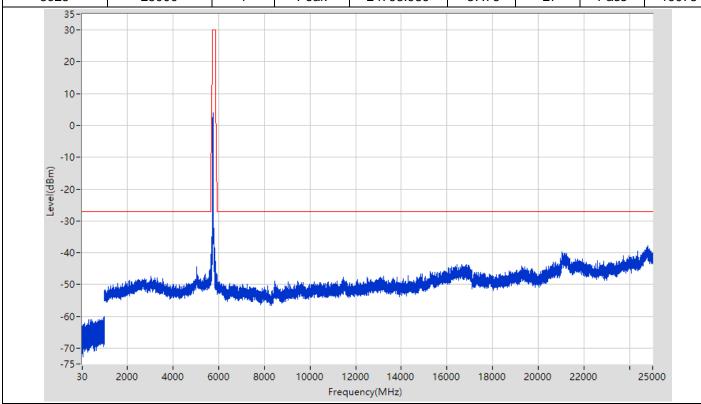
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	857.585	-60.74	-27	Pass	9700
1000	5650	1	Peak	5050.871	-36.02	-27	Pass	4650
5650	5700	1	Peak	5650	-45.81	-27	Pass	601
5700	5720	1	Peak	5718.267	-25.34	15.11	Pass	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



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

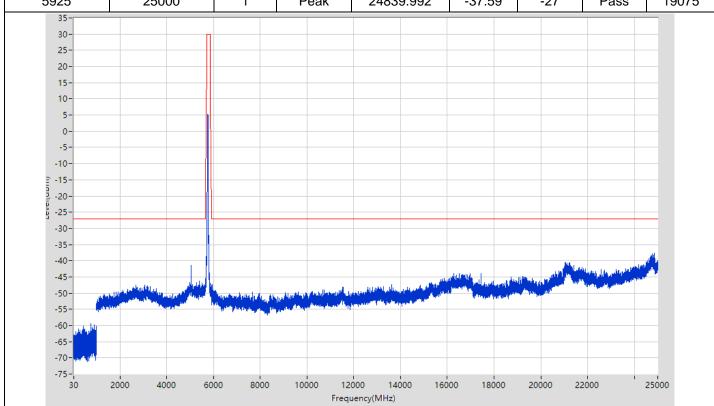
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	990.399	-60.22	-27	Pass	9700
1000	5650	1	Peak	5050.871	-44.41	-27	Pass	4650
5650	5700	1	Peak	5651.583	-42.4	-25.83	Pass	601
5700	5720	1	Peak	5708.1	-34.95	12.27	Pass	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



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

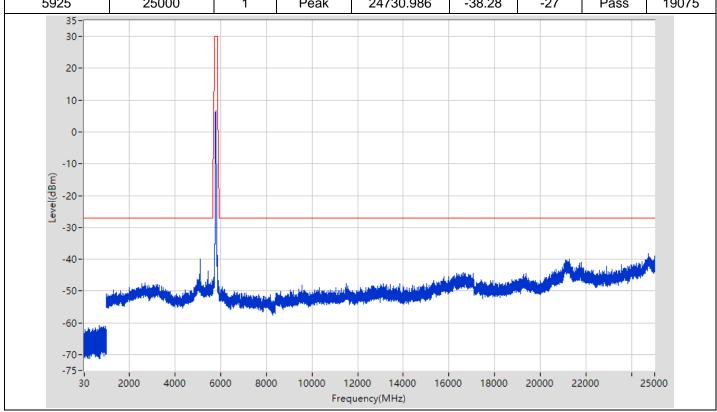
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	758.775	-59.37	-27	Pass	9700
1000	5650	1	Peak	5050.871	-41.45	-27	Pass	4650
5650	5700	1	Peak	5651.083	-46.2	-26.2	Pass	601
5700	5720	1	Peak	5714.767	-32.45	14.13	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



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

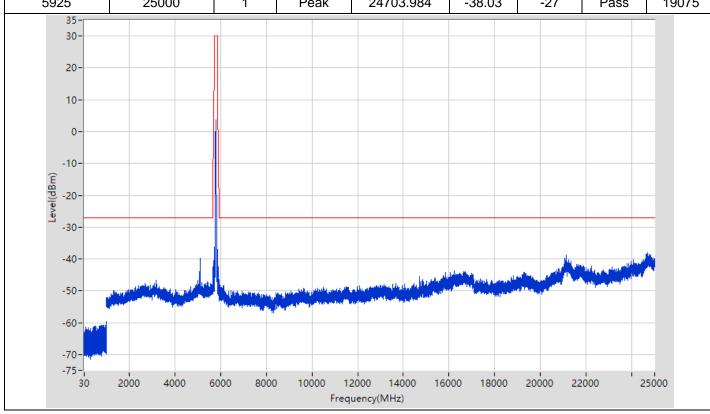
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	678.367	-60.84	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40	-27	Pass	4650
5650	5700	1	Peak	5650.5	-47.66	-26.63	Pass	601
5700	5720	1	Peak	5702.8	-45.95	10.78	Pass	601
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



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

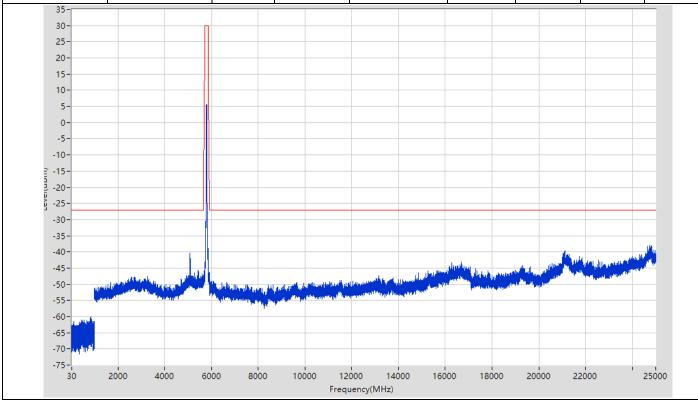
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	991.799	-59.62	-27	Pass	9700
1000	5650	1	Peak	5090.88	-39.71	-27	Pass	4650
5650	5700	1	Peak	5650.25	-44.94	-26.82	Pass	601
5700	5720	1	Peak	5701.233	-41.59	10.35	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



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

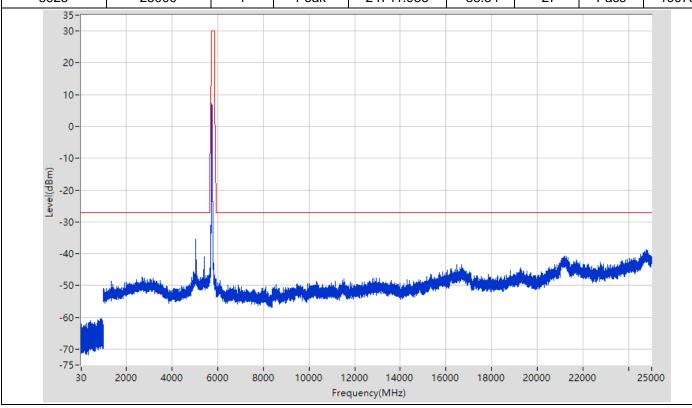
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	844.984	-59.95	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40.48	-27	Pass	4650
5650	5700	1	Peak	5650.083	-48.24	-26.94	Pass	601
5700	5720	1	Peak	5700.367	-46.24	10.1	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



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

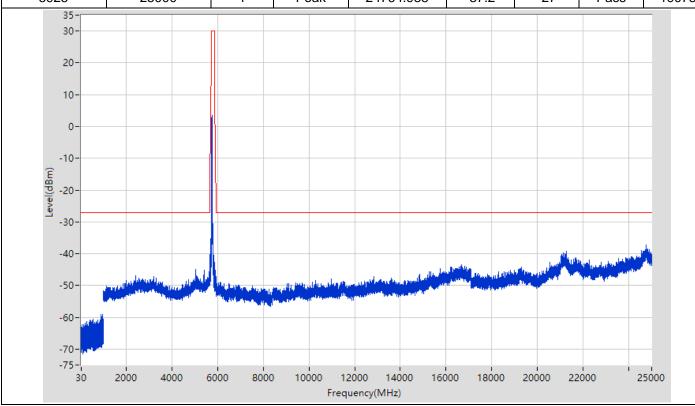
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	878.988	-60.36	-27	Pass	9700
1000	5650	1	Peak	5050.871	-35.46	-27	Pass	4650
5650	5700	1	Peak	5650.333	-46.14	-26.75	Pass	601
5700	5720	1	Peak	5719.9	-26.23	15.57	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



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

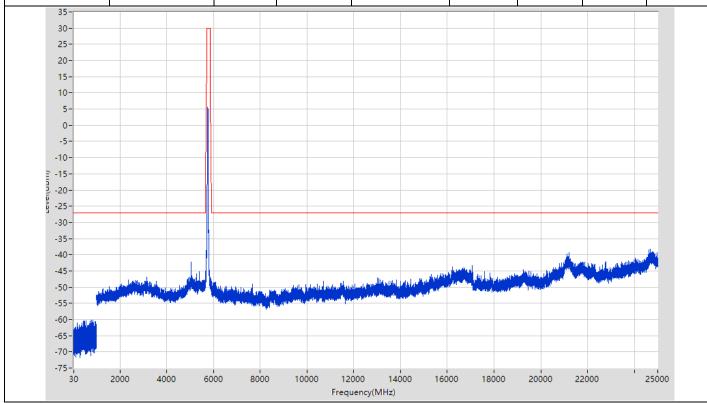
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	963.696	-59.15	-27	Pass	9700
1000	5650	1	Peak	5642.998	-44.1	-27	Pass	4650
5650	5700	1	Peak	5650.5	-42.96	-26.63	Pass	601
5700	5720	1	Peak	5703.367	-36.46	10.94	Pass	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



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

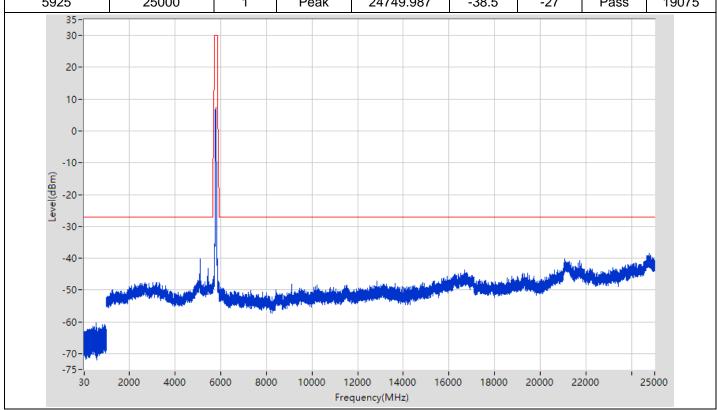
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	789.778	-60.23	-27	Pass	9700
1000	5650	1	Peak	5050.871	-42.24	-27	Pass	4650
5650	5700	1	Peak	5650.5	-46.47	-26.63	Pass	601
5700	5720	1	Peak	5713.4	-33.35	13.75	Pass	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



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

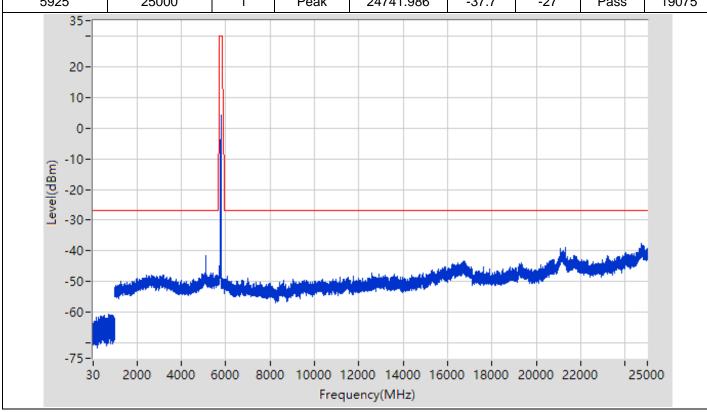
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	559.255	-60.35	-27	Pass	9700
1000	5650	1	Peak	5090.88	-40.14	-27	Pass	4650
5650	5700	1	Peak	5650.083	-47.81	-26.94	Pass	601
5700	5720	1	Peak	5701.967	-45.68	10.55	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



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

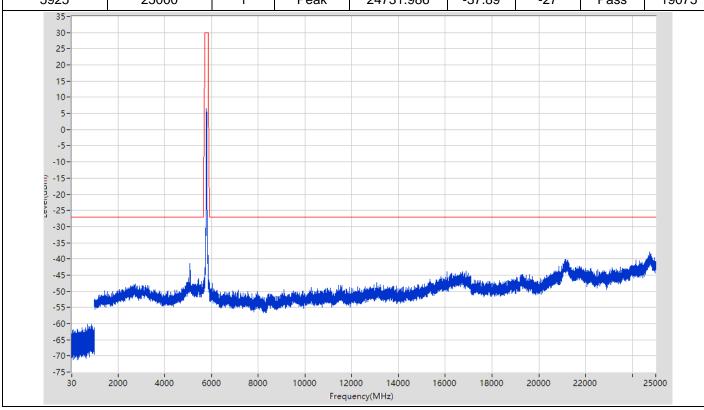
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	736.473	-60.76	-27	Pass	9700
1000	5650	1	Peak	5090.88	-41.64	-27	Pass	4650
5650	5700	1	Peak	5650.333	-49.18	-26.75	Pass	601
5700	5720	1	Peak	5700.033	-48.02	10.01	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



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

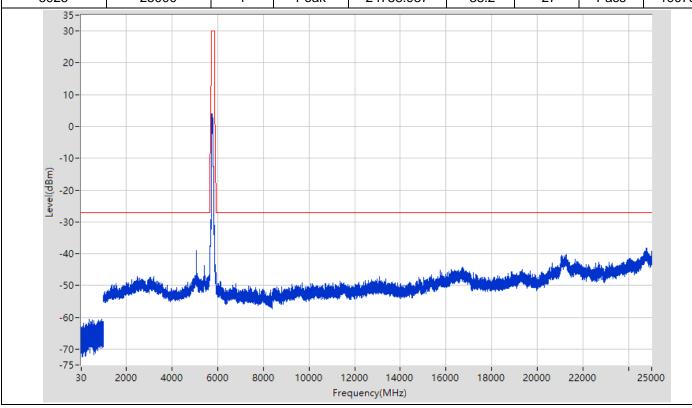
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	865.986	-60.27	-27	Pass	9700
1000	5650	1	Peak	5090.88	-41.5	-27	Pass	4650
5650	5700	1	Peak	5650.167	-48.69	-26.88	Pass	601
5700	5720	1	Peak	5700.1	-46.13	10.03	Pass	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



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

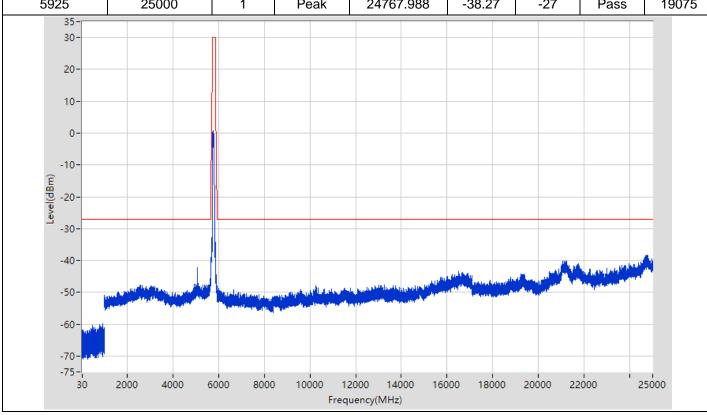
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	377.636	-60.51	-27	Pass	9700
1000	5650	1	Peak	5070.875	-38.94	-27	Pass	4650
5650	5700	1	Peak	5650.083	-45.4	-26.94	Pass	601
5700	5720	1	Peak	5719.4	-24.71	15.43	Pass	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



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

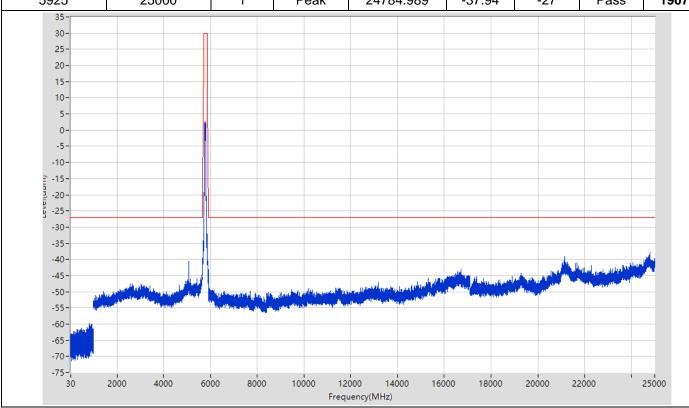
Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	919.092	-59.87	-27	Pass	9700
1000	5650	1	Peak	5070.875	-42.14	-27	Pass	4650
5650	5700	1	Peak	5653.5	-43.02	-24.41	Pass	601
5700	5720	1	Peak	5705.133	-32.73	11.44	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 \sim 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 Co	onditions	Frequency	Max. Deviation	Limit
Temp (°C)	Voltage (V)	(MHz)	(ppm)	(ppm)
	10.8 V	5180.022	4.25	
20	12.0 V	5180.027	5.21	±20
	13.2 V	5180.035	6.76	

Temperature vs. Frequency Stability (5180MHz)

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

Note:

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Band IV (5725 - 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

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

Temperature vs. Frequency Stability (5745MHz)

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

Note:

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Table 12: MIMO Frequency Stability

Band I (5150 – 5250 MHz):

Voltage vs. Frequency Stability (5180MHz)

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

Temperature vs. Frequency Stability (5180MHz)

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

Note:

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Band IV (5725 - 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

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

Temperature vs. Frequency Stability (5745MHz)

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

Note:

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Table 13: Chain 1 Frequency Stability

Band I (5150 – 5250 MHz):

Voltage vs. Frequency Stability (5180MHz)

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

Temperature vs. Frequency Stability (5180MHz)

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

Note:

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Band IV (5725 - 5850 MHz):

Voltage vs. Frequency Stability (5745MHz)

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

Temperature vs. Frequency Stability (5745MHz)

Test Conditions		Frequency	Max. Deviation	Limit	
Voltage (V)	Temp (°C)	(MHz)	(ppm)	(ppm)	
	-30				
	-20				
	-10	5744.964	6.27		
	0	5744.975	4.35	±20	
12.0 V	10	5744.984	2.79		
	20	5745.001	1.83		
	30	5744.945	9.57	1	
	40	5744.973	4.70		
	50	5744.964	6.27		

Note:

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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

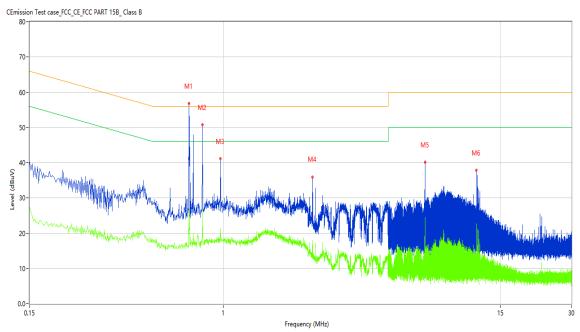
Ambient temperature : 25°C Relative humidity : 52%

For details refer to following test plot.

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Note:

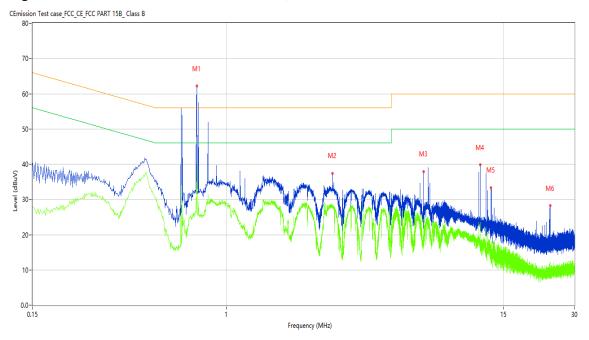
Figure 1: Conducted Emission on AC Mains, L Phase



No.	Frequency	Results	Factor (dB)	Limit	Over Limit	Detector	Line	Verdict
	(MHz)	(dBuV)		(dBuV)	(dB)			
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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Figure 2: Conducted Emission on AC Mains, N Phase



No.	Frequency	Results	Factor (dB)	Limit	Over Limit	Detector	Line	Verdict
	(MHz)	(dBuV)		(dBuV)	(dB)			
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***