FCC_5.2G_WIFI (Part15.407) Test Data
FCC ID: 2BMCW-K1-800
Report No.:NCT240472436XE1-4

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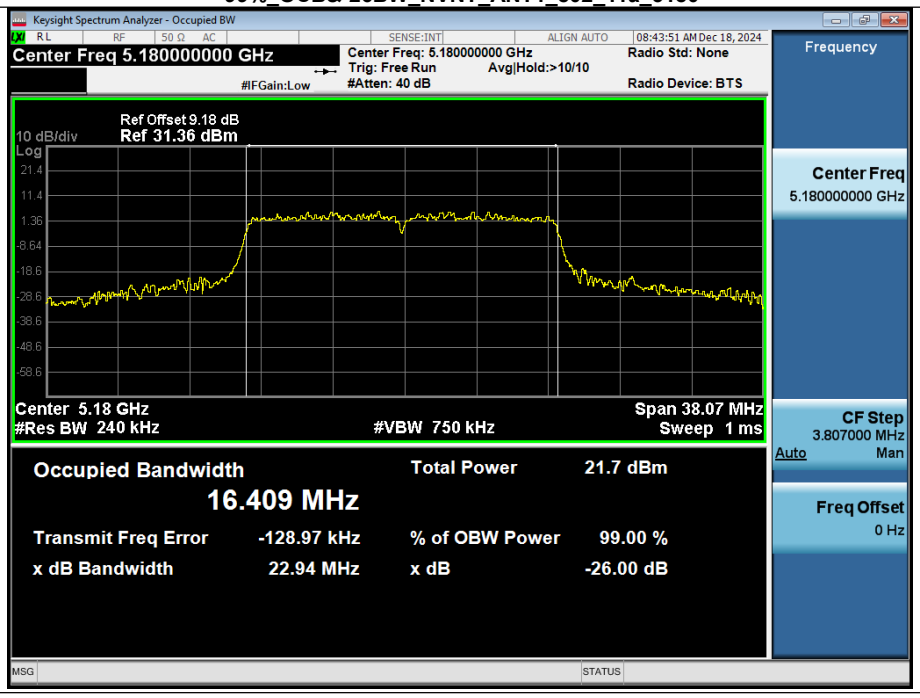
1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	22.94	16.109
NVNT	ANT1	802.11a	5200.00	19.29	16.407
NVNT	ANT1	802.11a	5240.00	18.34	16.356
NVNT	ANT1	802.11n(HT20)	5180.00	22.22	17.613
NVNT	ANT1	802.11n(HT20)	5200.00	19.67	17.574
NVNT	ANT1	802.11n(HT20)	5240.00	19.22	17.551
NVNT	ANT1	802.11ac(VHT20)	5180.00	25.19	17.637
NVNT	ANT1	802.11ac(VHT20)	5200.00	24.10	17.614
NVNT	ANT1	802.11ac(VHT20)	5240.00	19.35	17.555
NVNT	ANT1	802.11n(HT40)	5190.00	46.44	36.236
NVNT	ANT1	802.11n(HT40)	5230.00	40.73	36.138
NVNT	ANT1	802.11ac(VHT40)	5190.00	51.65	36.288
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.49	36.089
NVNT	ANT1	802.11ac(VHT80)	5210.00	81.19	74.762

99%_OCB&-26BW_NVNT_ANT1_802_11a_5180



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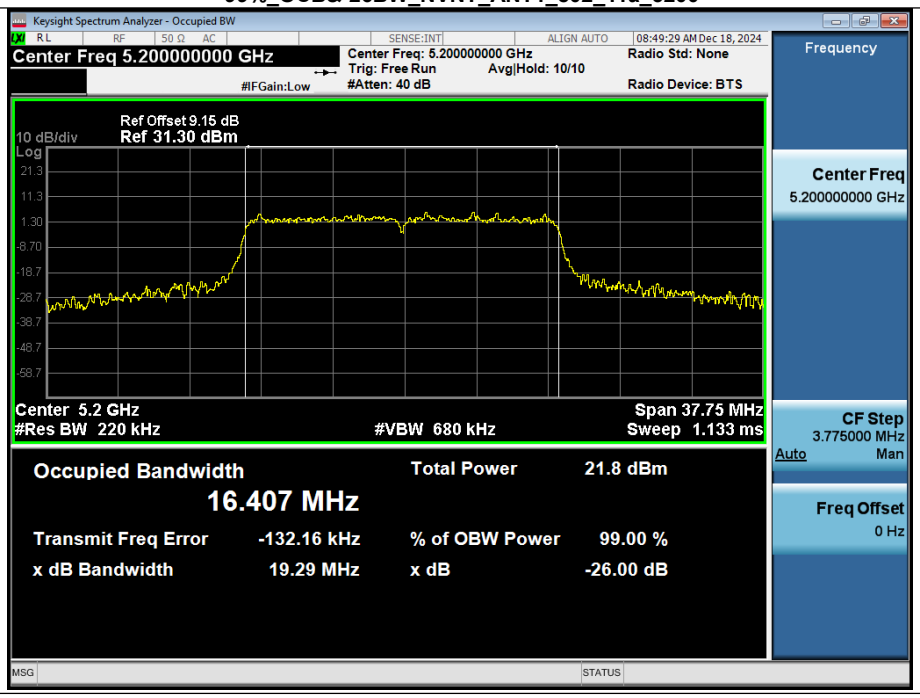

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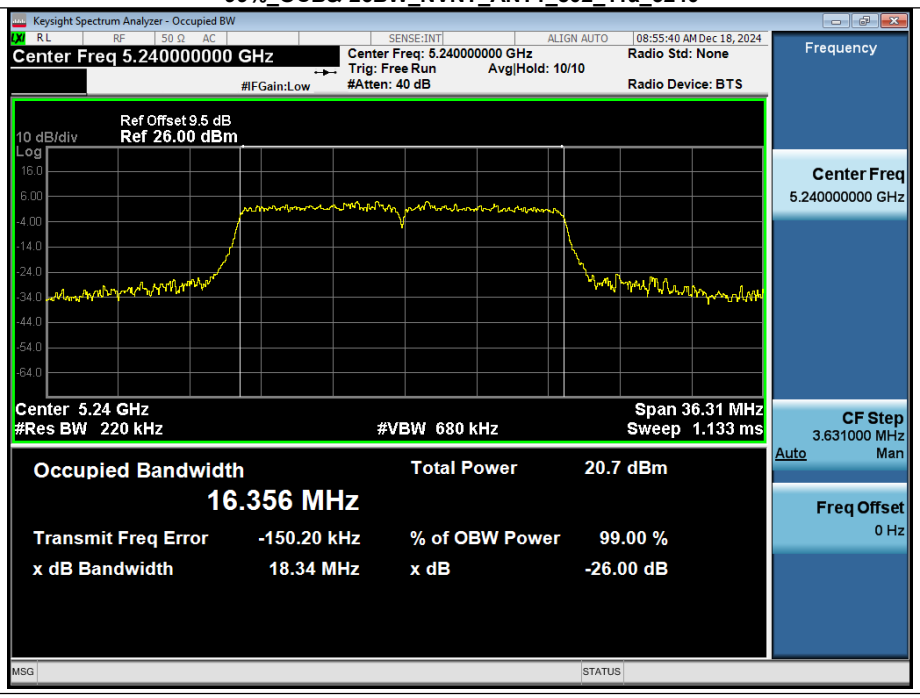
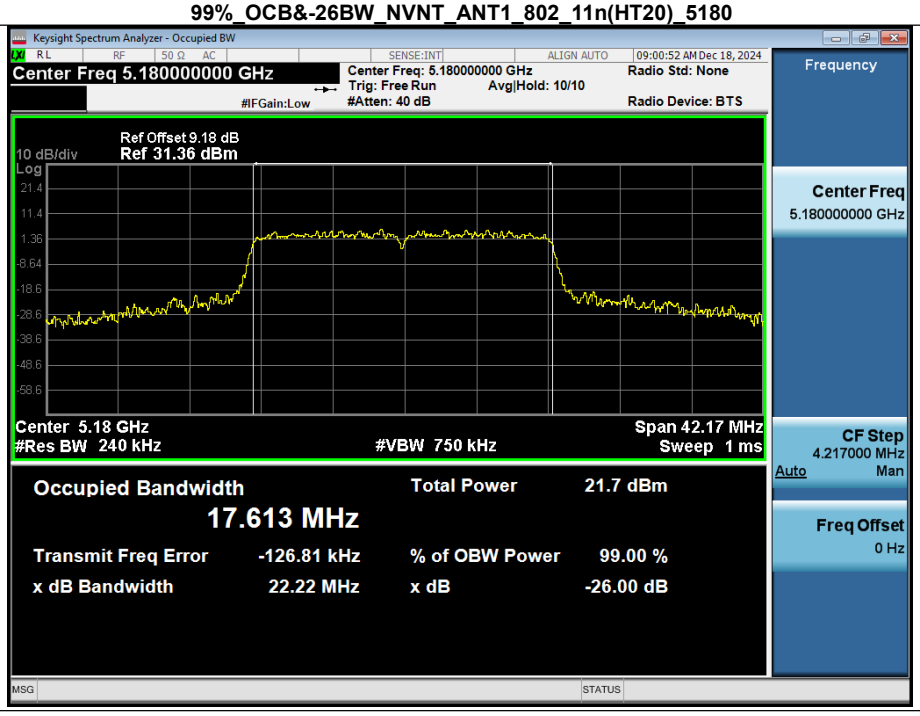


99%_OCB&-26BW_NVNT_ANT1_802_11n(HT20)_5180



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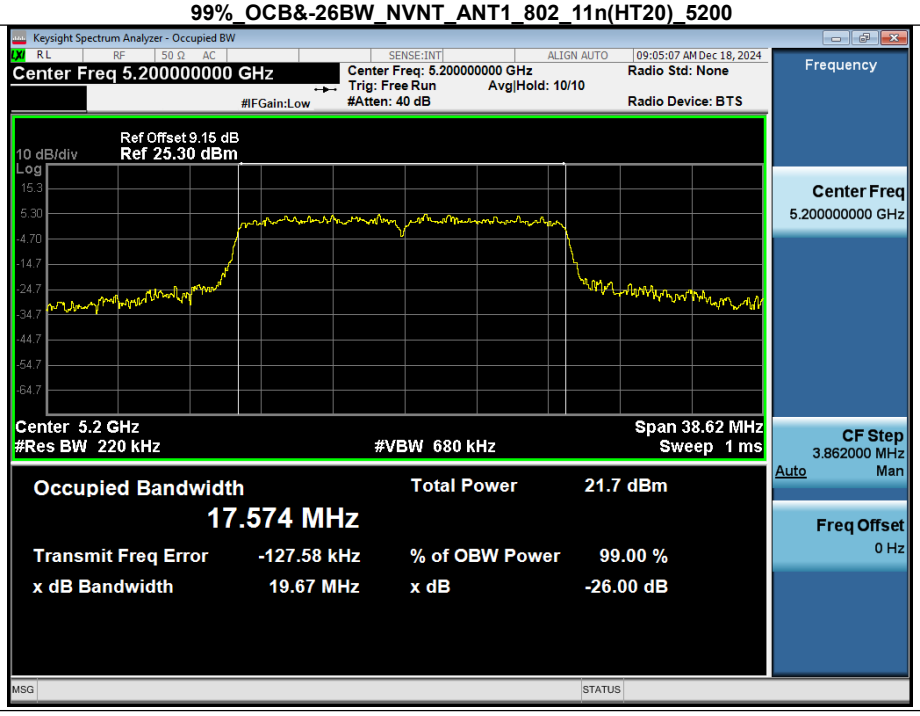

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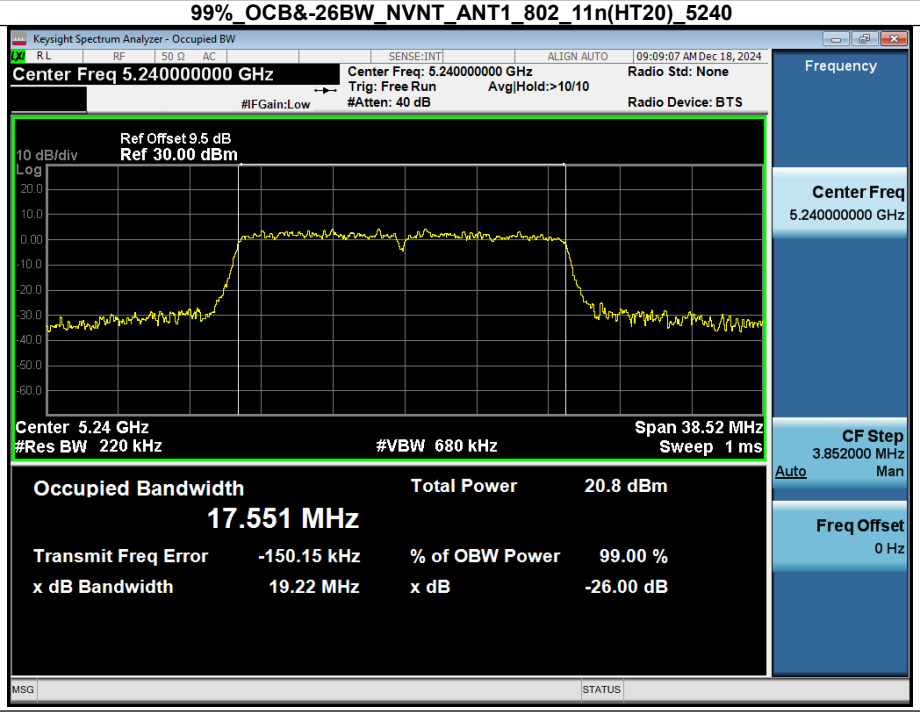

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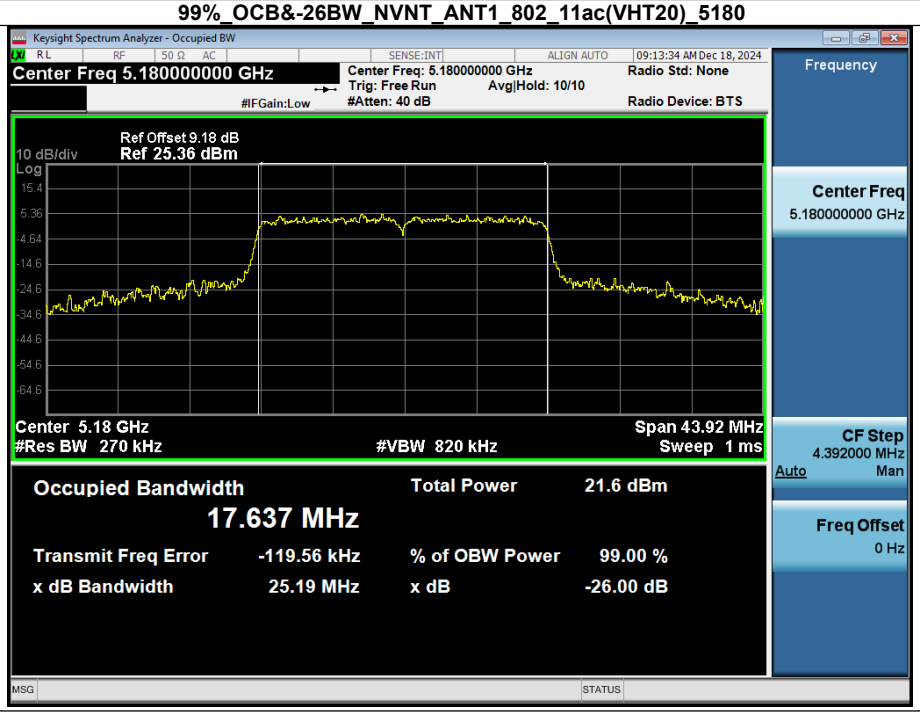

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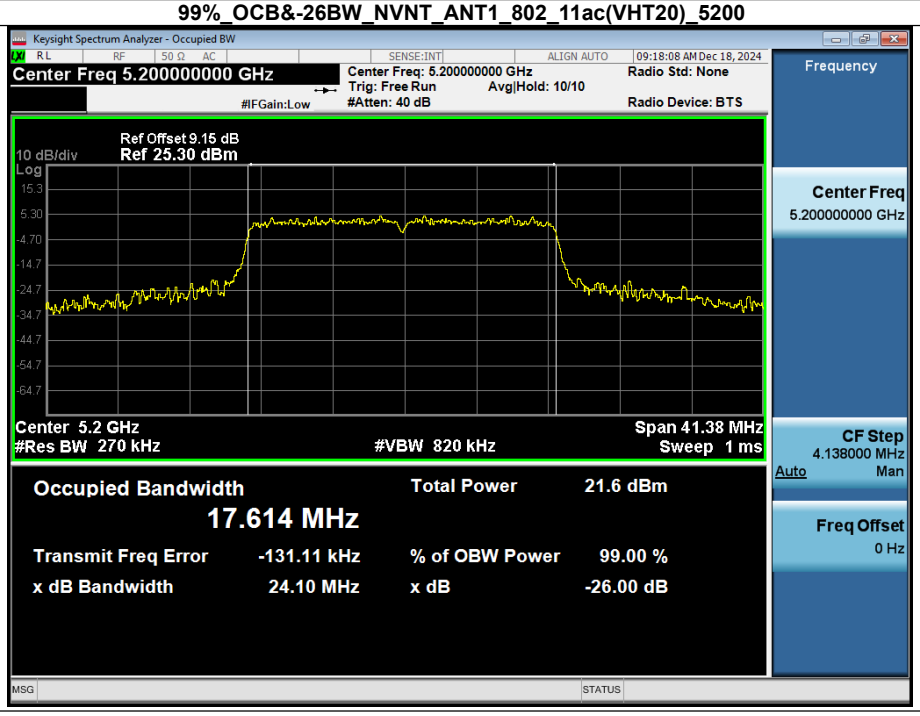

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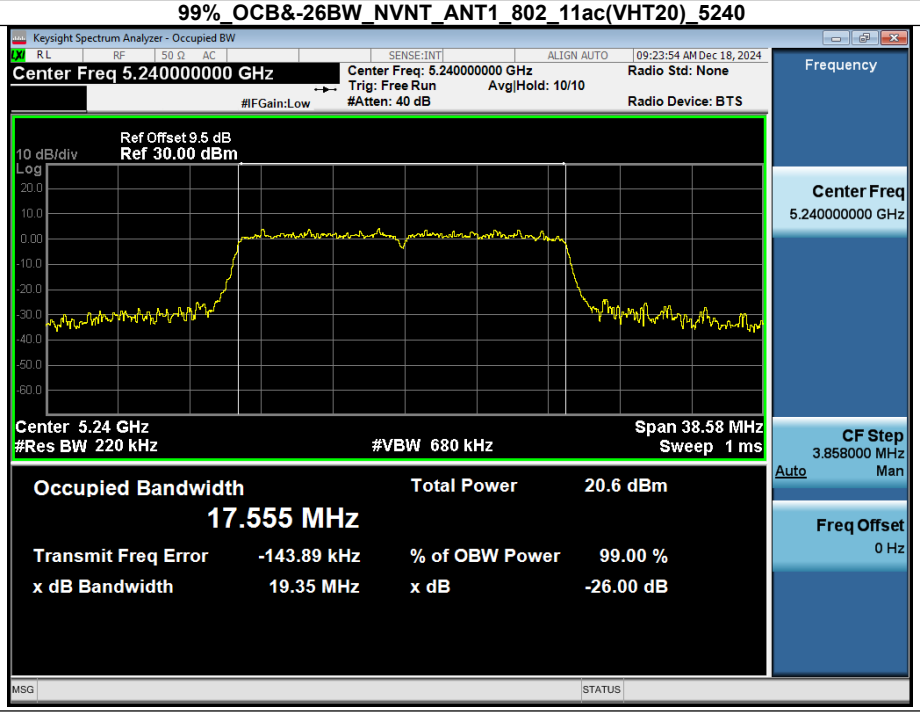

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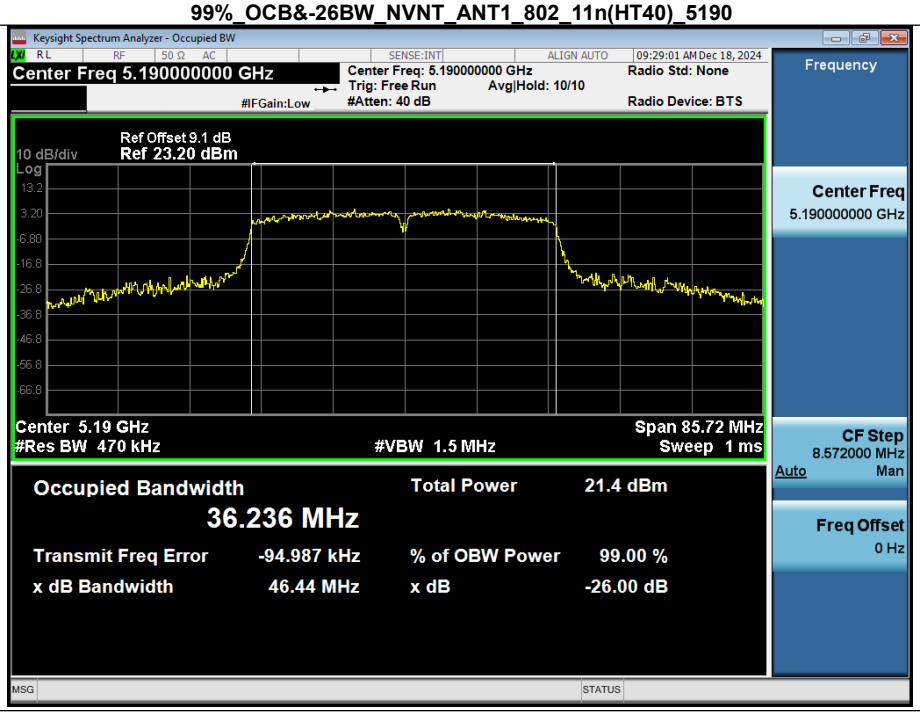

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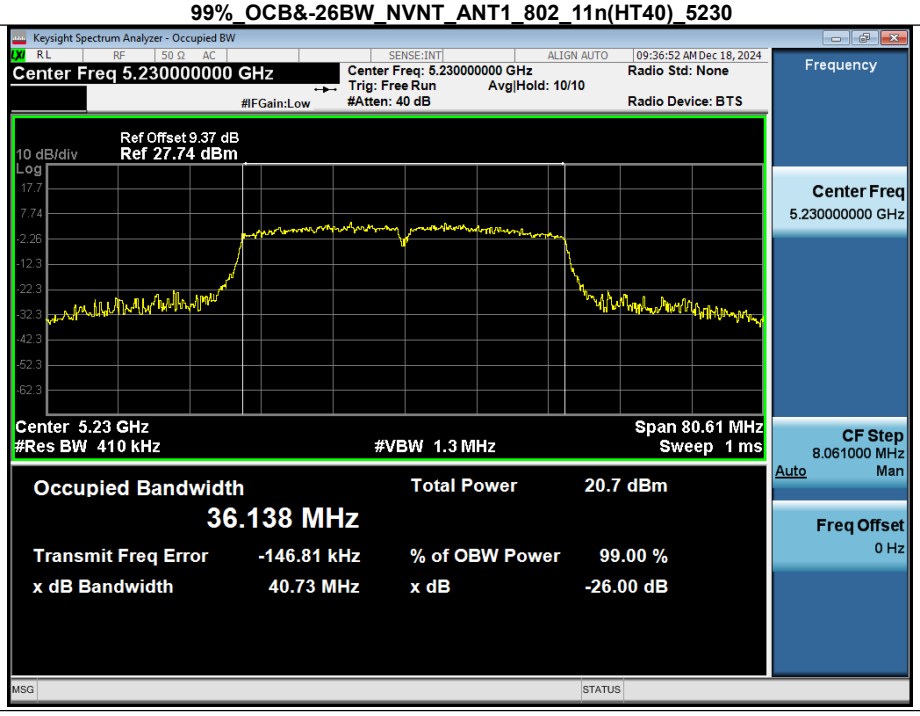

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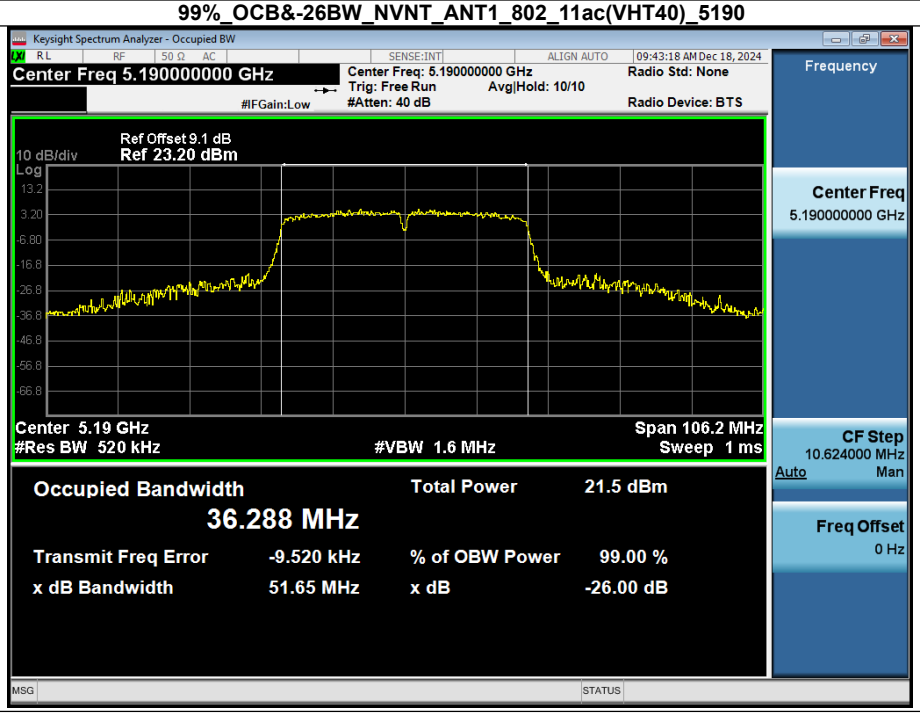

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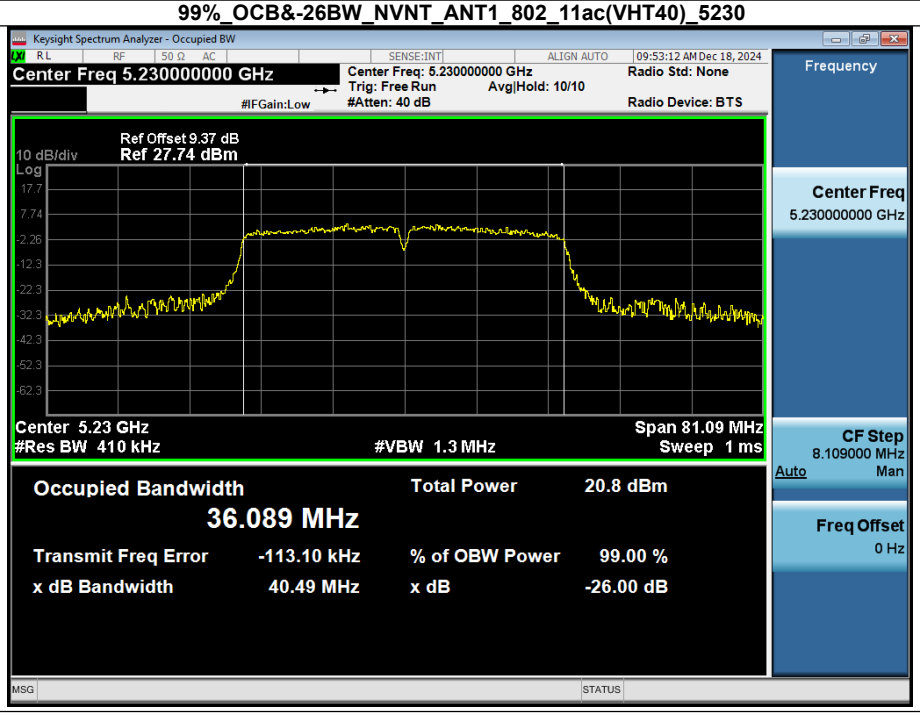

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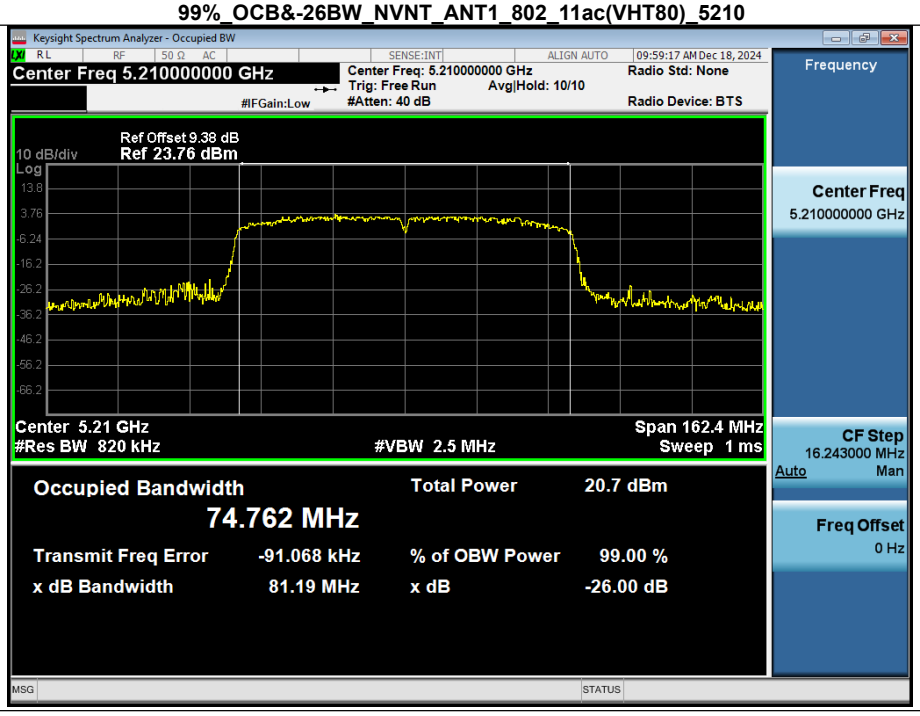
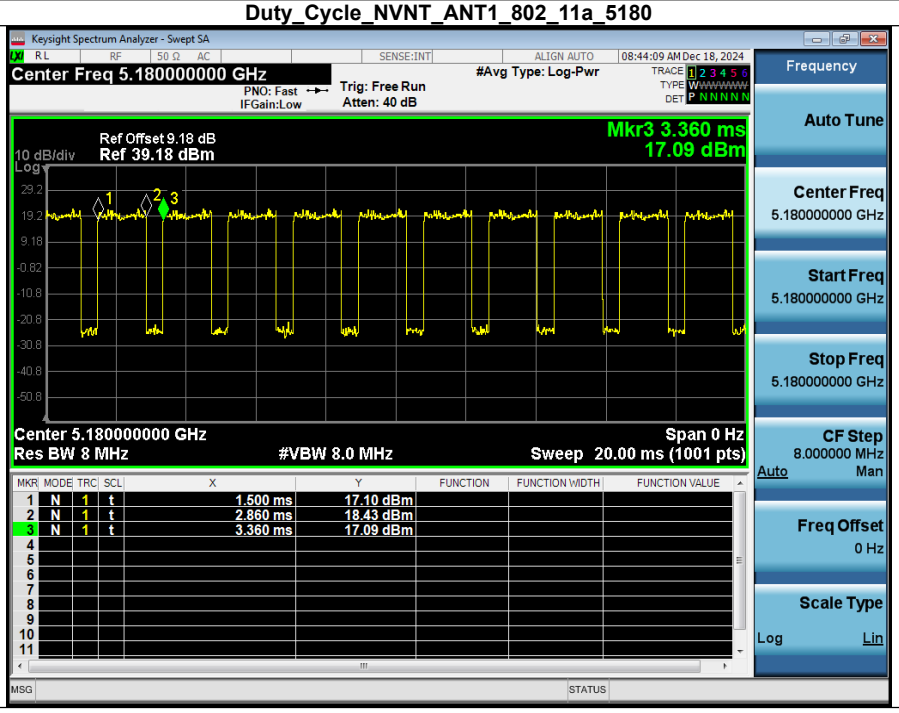


2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	73.12	1.36
NVNT	ANT1	802.11a	5200.00	73.12	1.36
NVNT	ANT1	802.11a	5240.00	73.12	1.36
NVNT	ANT1	802.11n(HT20)	5180.00	71.59	1.45
NVNT	ANT1	802.11n(HT20)	5200.00	70.79	1.50
NVNT	ANT1	802.11n(HT20)	5240.00	71.59	1.45
NVNT	ANT1	802.11ac(VHT20)	5180.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT20)	5200.00	71.91	1.43
NVNT	ANT1	802.11ac(VHT20)	5240.00	71.91	1.43
NVNT	ANT1	802.11n(HT40)	5190.00	56.14	2.51
NVNT	ANT1	802.11n(HT40)	5230.00	55.36	2.57
NVNT	ANT1	802.11ac(VHT40)	5190.00	56.14	2.51
NVNT	ANT1	802.11ac(VHT40)	5230.00	56.14	2.51
NVNT	ANT1	802.11ac(VHT80)	5210.00	39.02	4.09

Duty_Cycle_NVNT_ANT1_802_11a_5180



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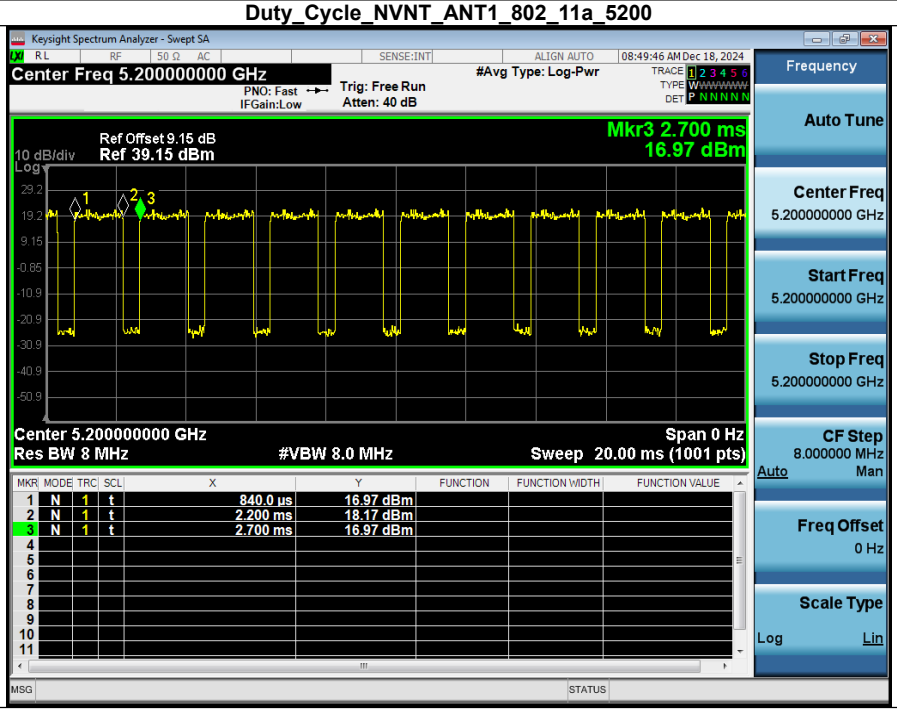

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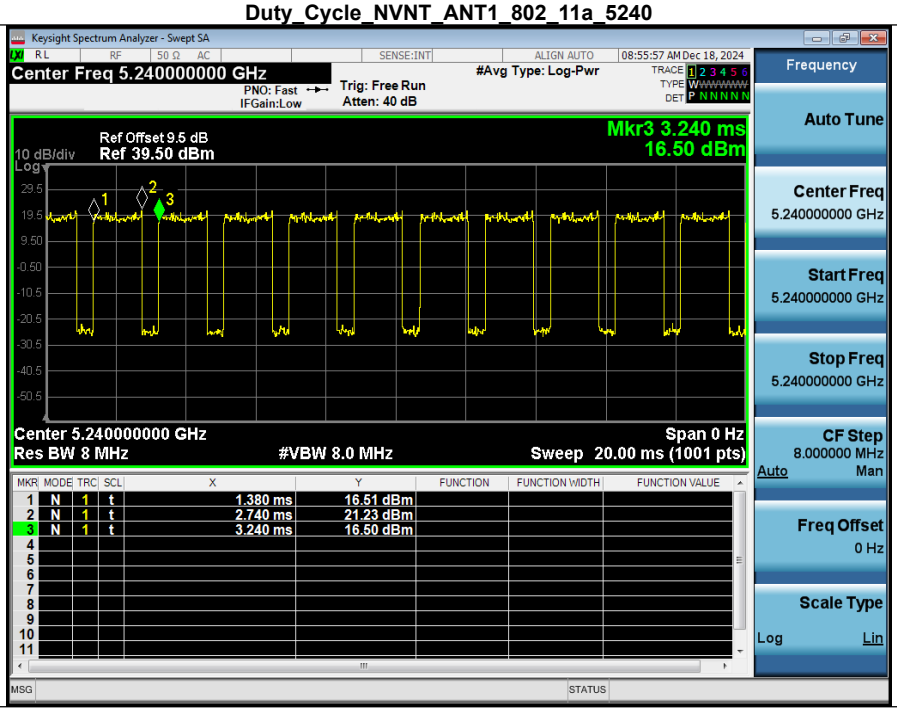
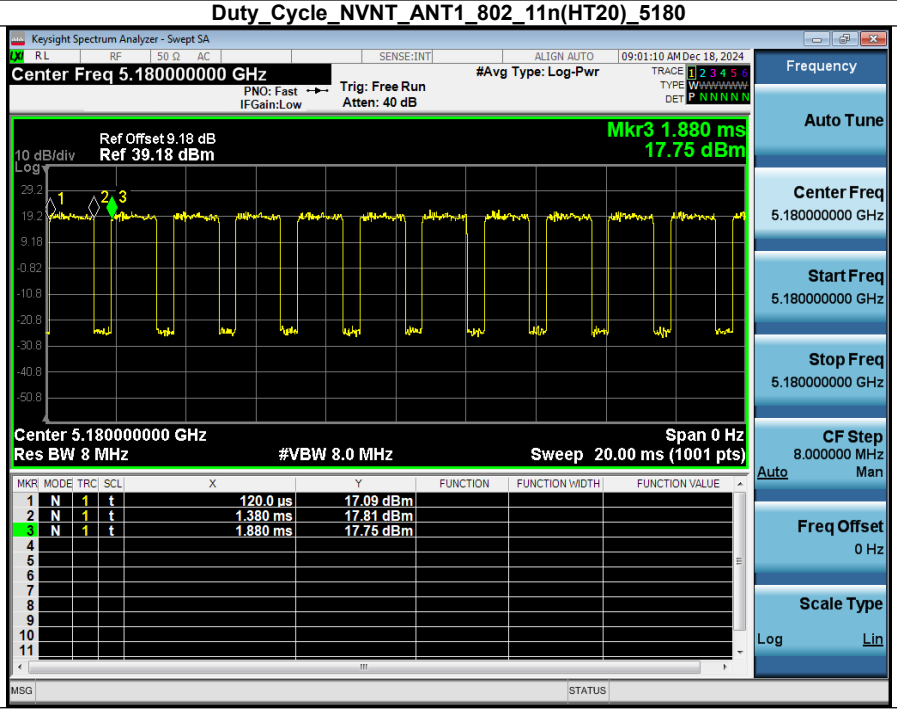


Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5180



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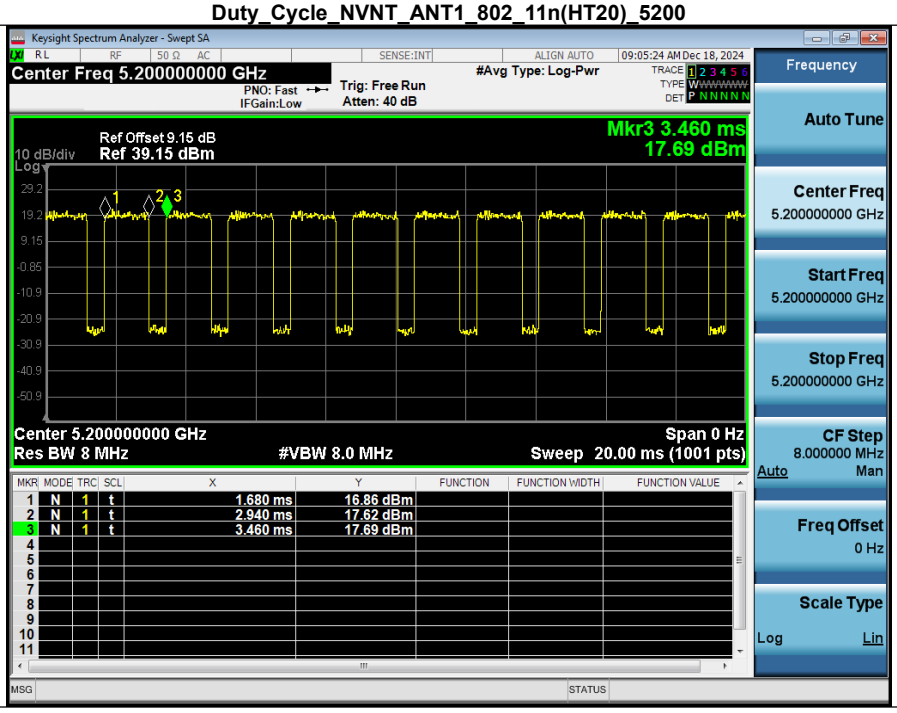

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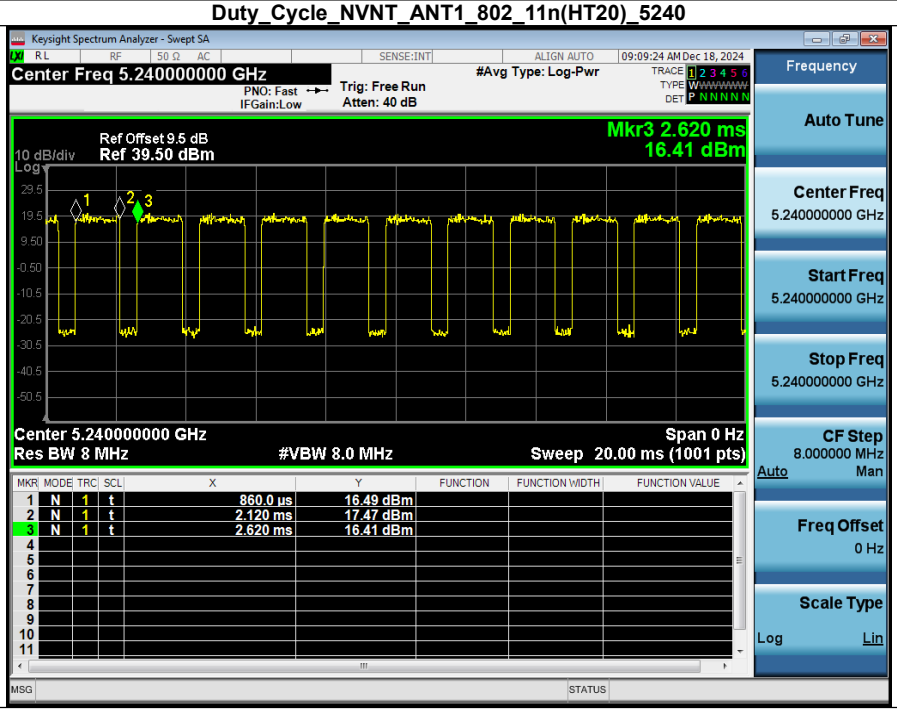
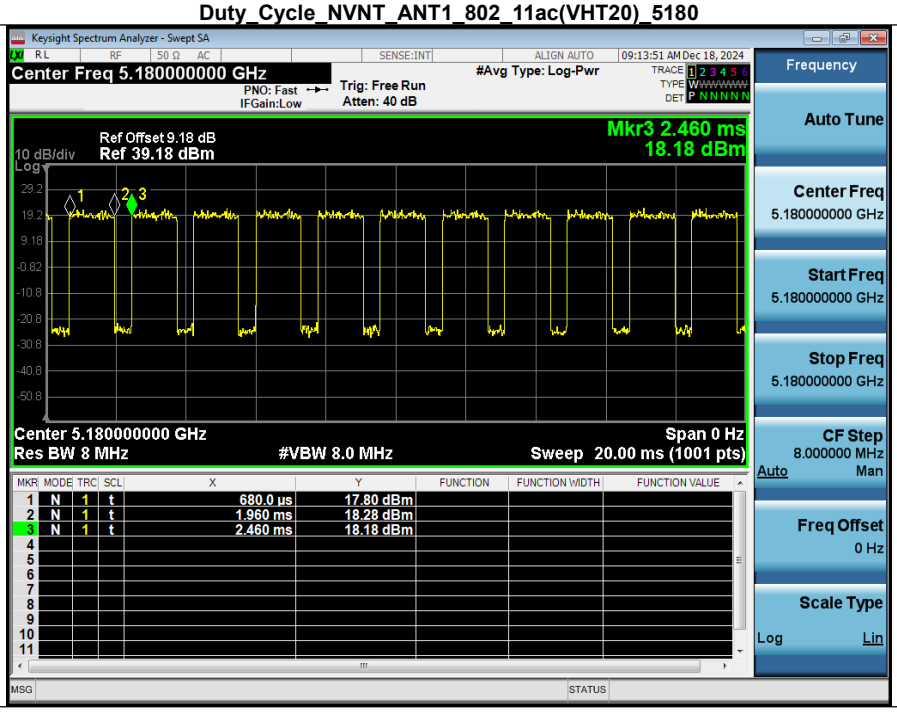


Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5180



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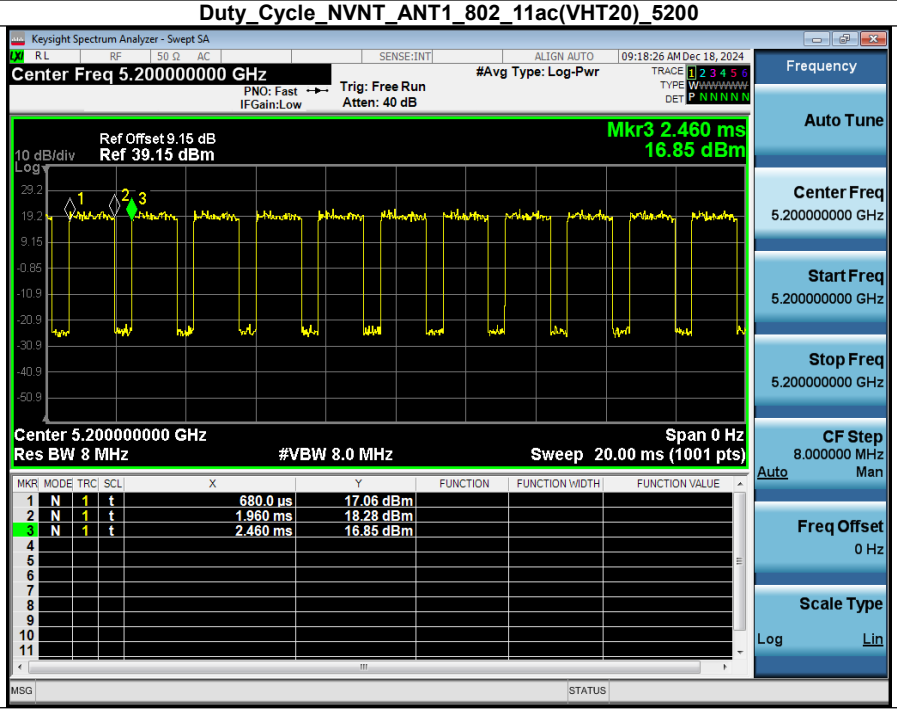
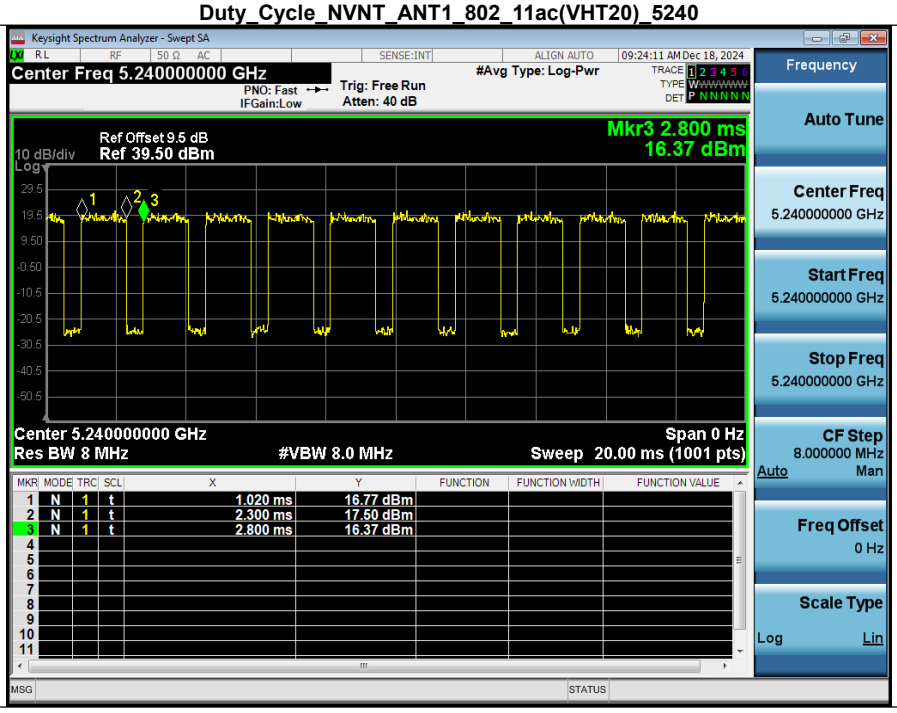
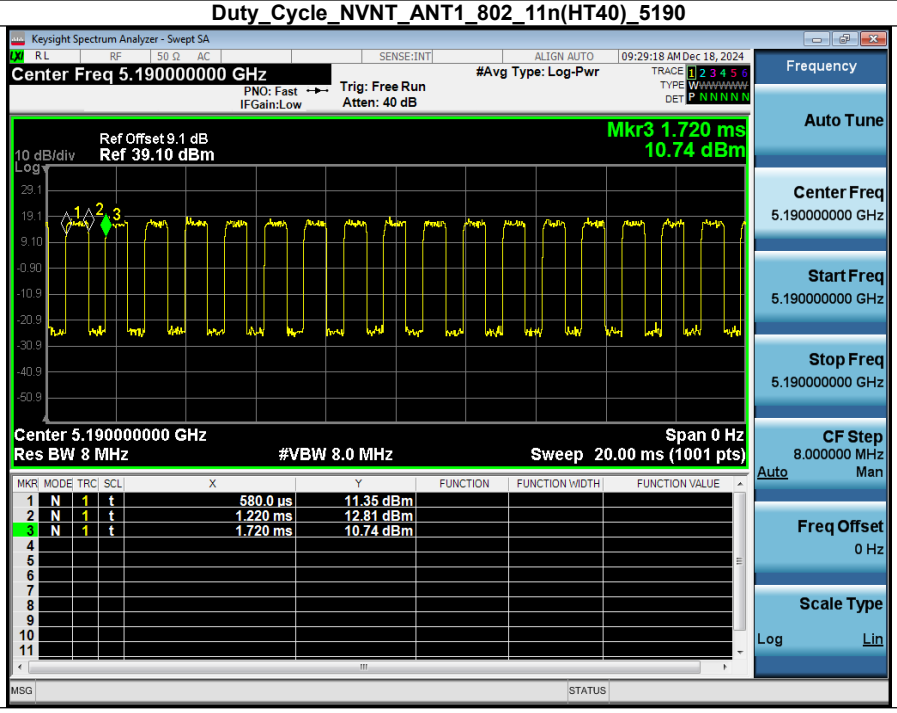


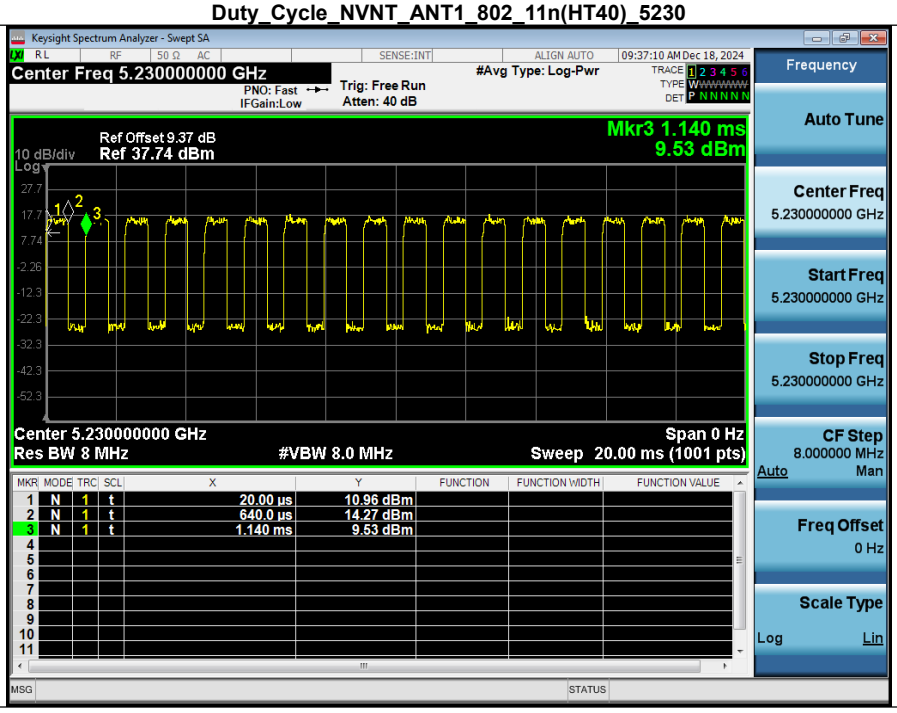
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5240



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5190



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5230



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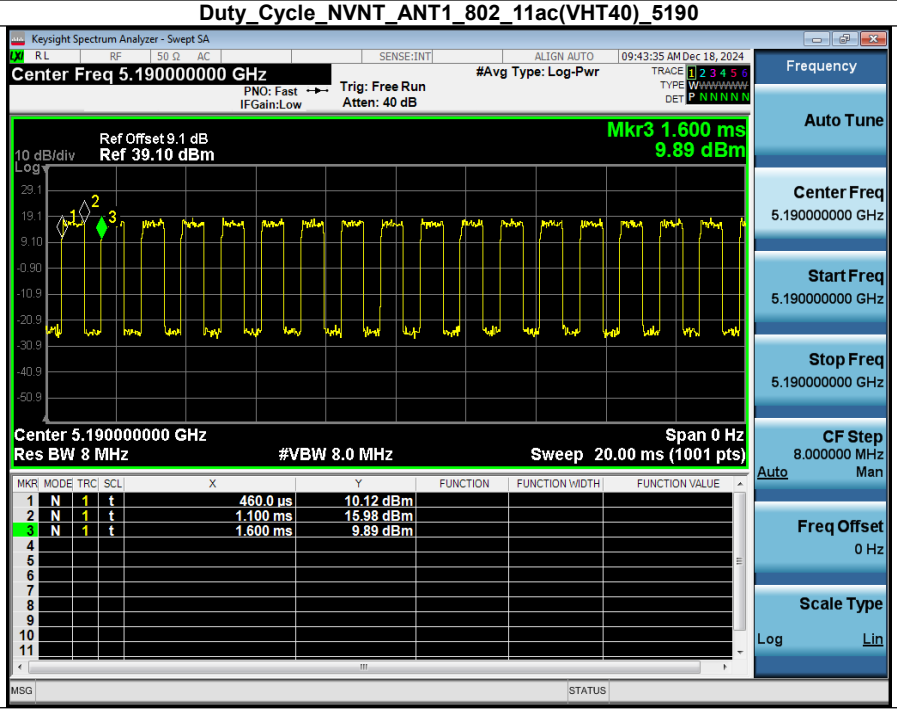

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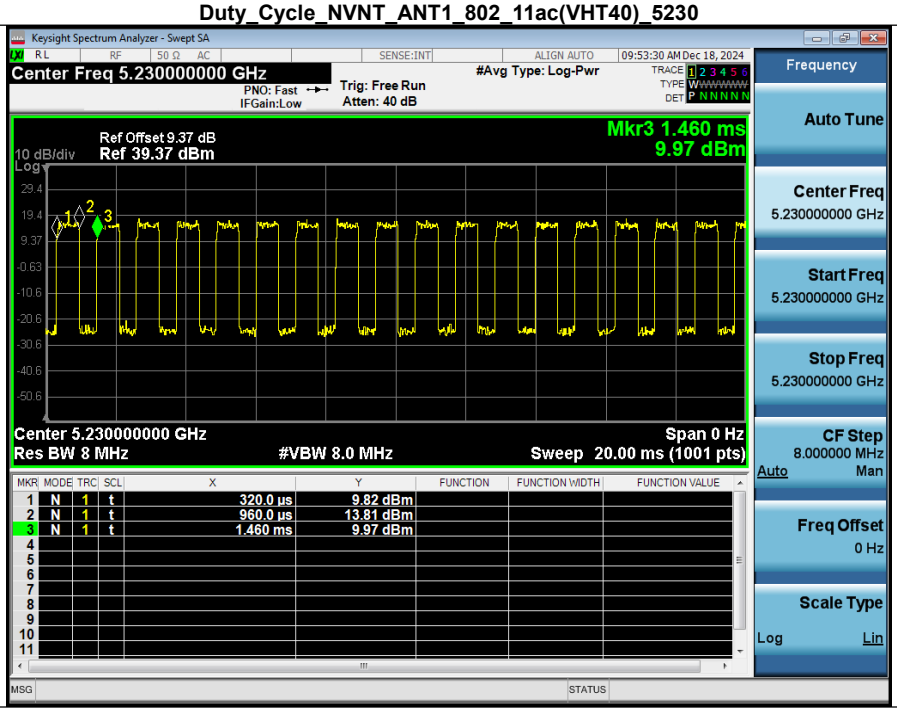
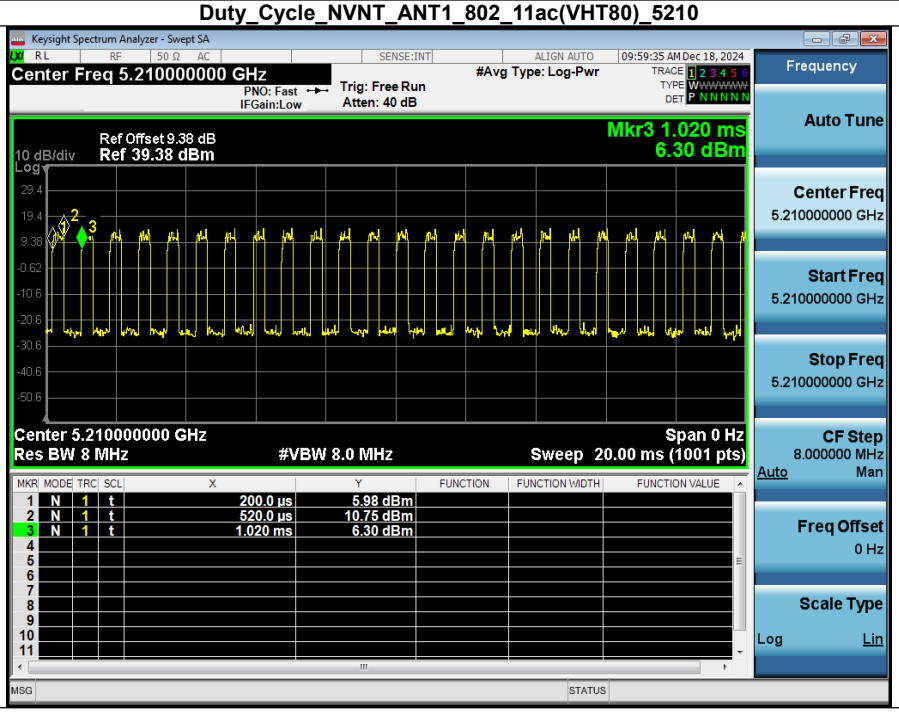


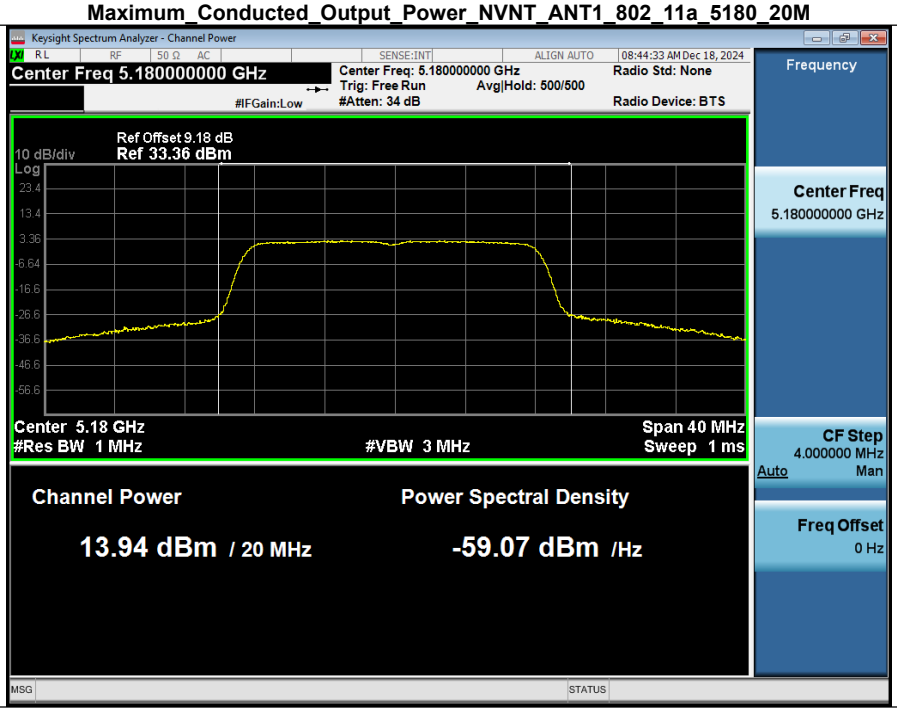
Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5210



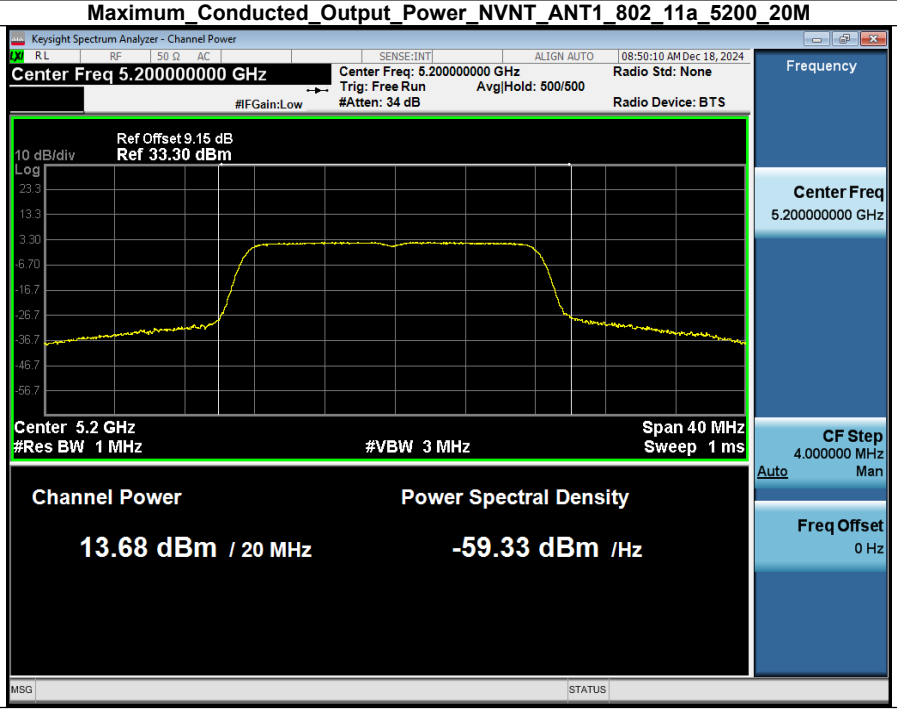
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	13.94	1.36	15.30	24	Pass
NVNT	ANT1	802.11a	5200.00	13.68	1.36	15.04	24	Pass
NVNT	ANT1	802.11a	5240.00	13.09	1.36	14.45	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	13.74	1.45	15.19	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	13.69	1.50	15.19	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	12.68	1.45	14.13	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	13.75	1.43	15.18	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	13.55	1.43	14.98	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	12.99	1.43	14.42	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	12.91	2.51	15.42	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	11.97	2.57	14.54	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	12.57	2.51	15.08	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	11.87	2.51	14.38	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	9.85	4.09	13.94	24	Pass

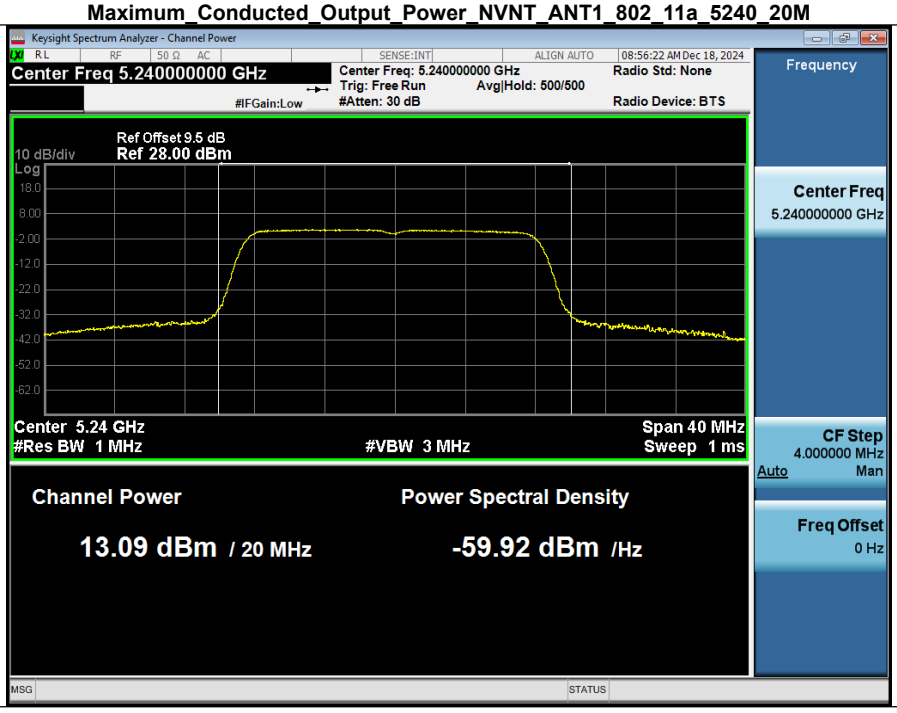
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5180_20M



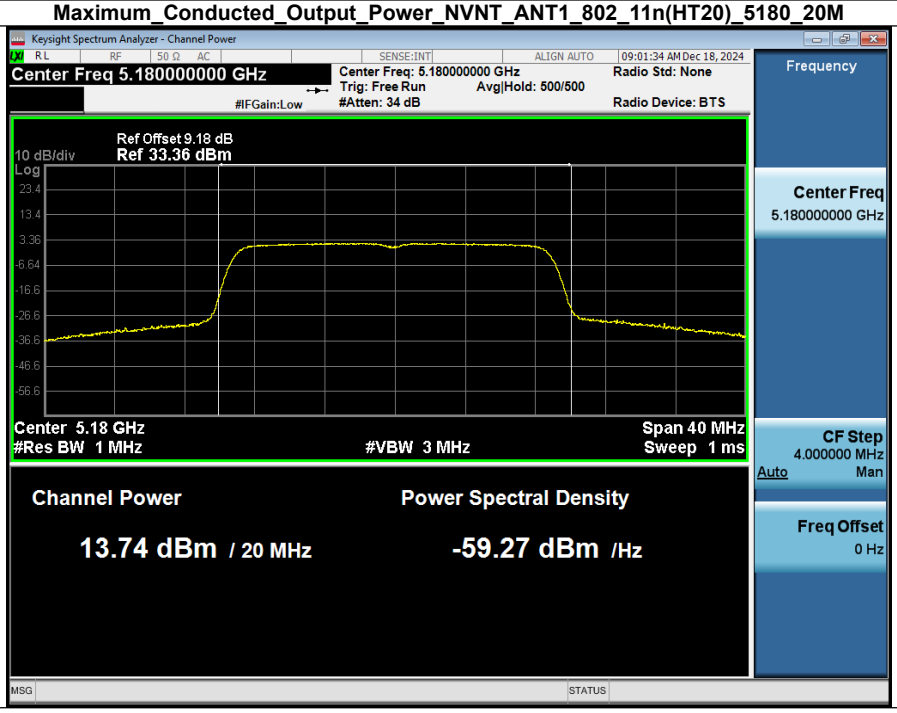
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5200_20M



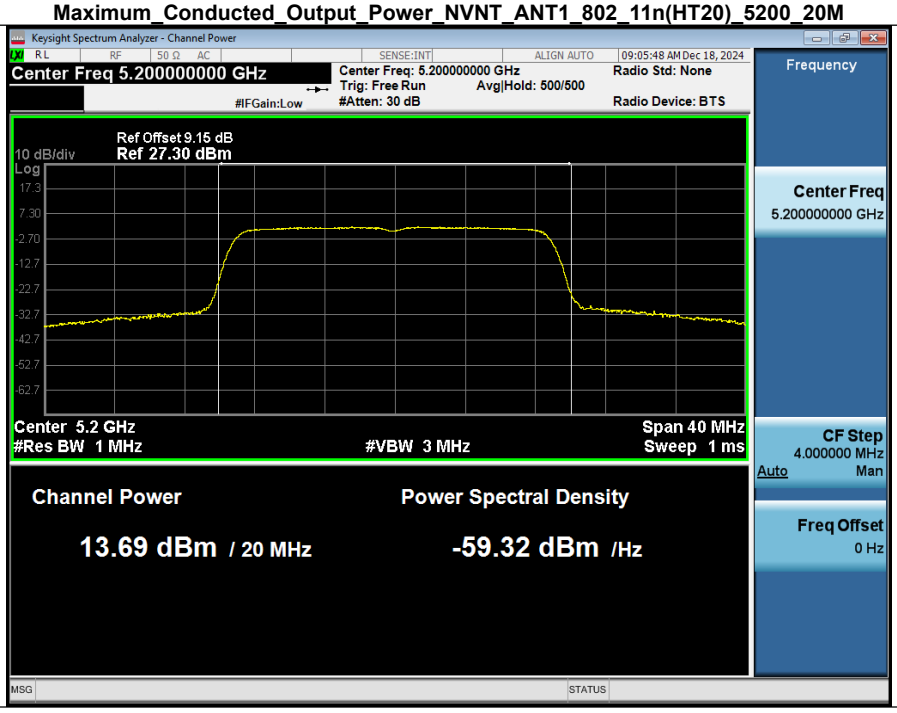
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5240_20M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5180_20M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5200_20M



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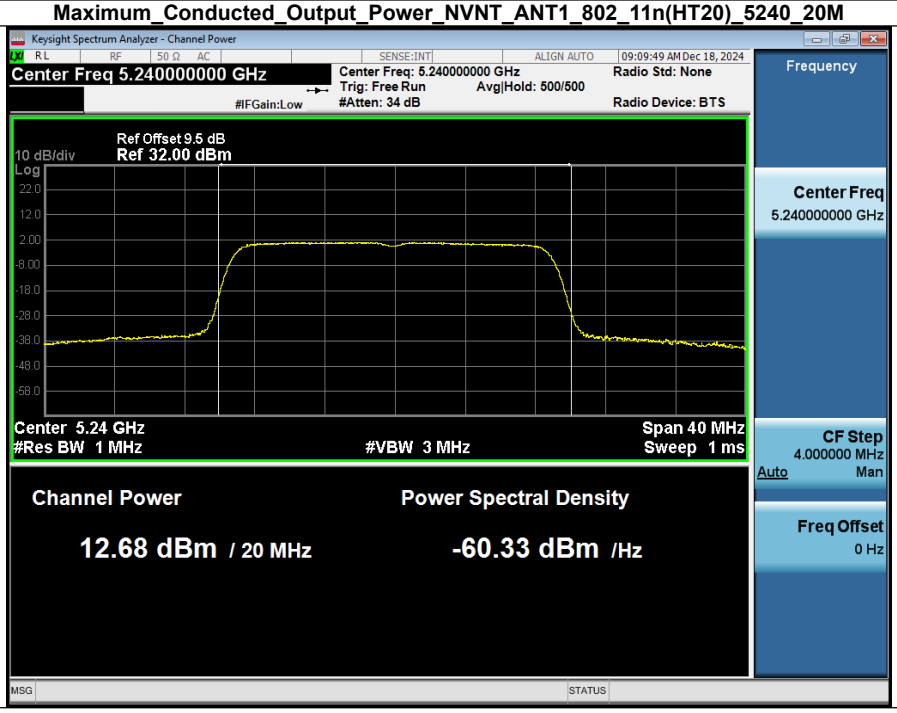

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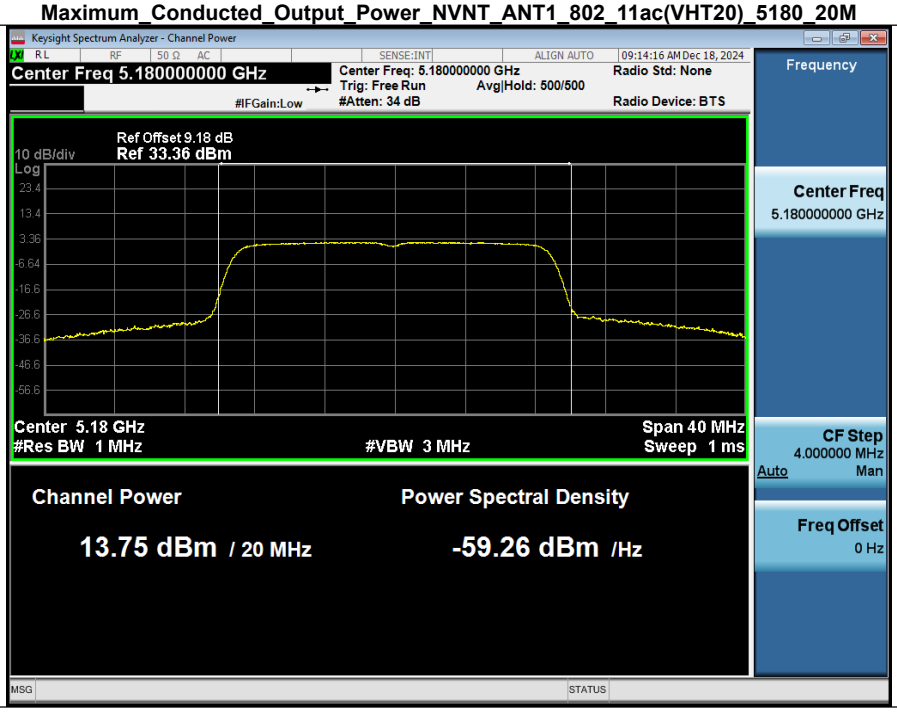
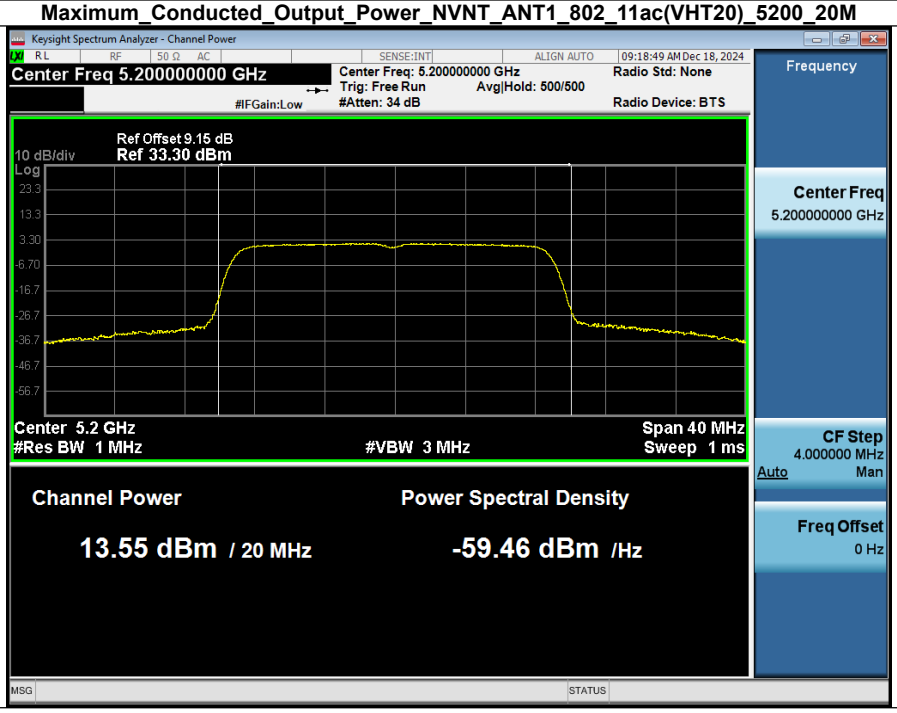


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5200_20M



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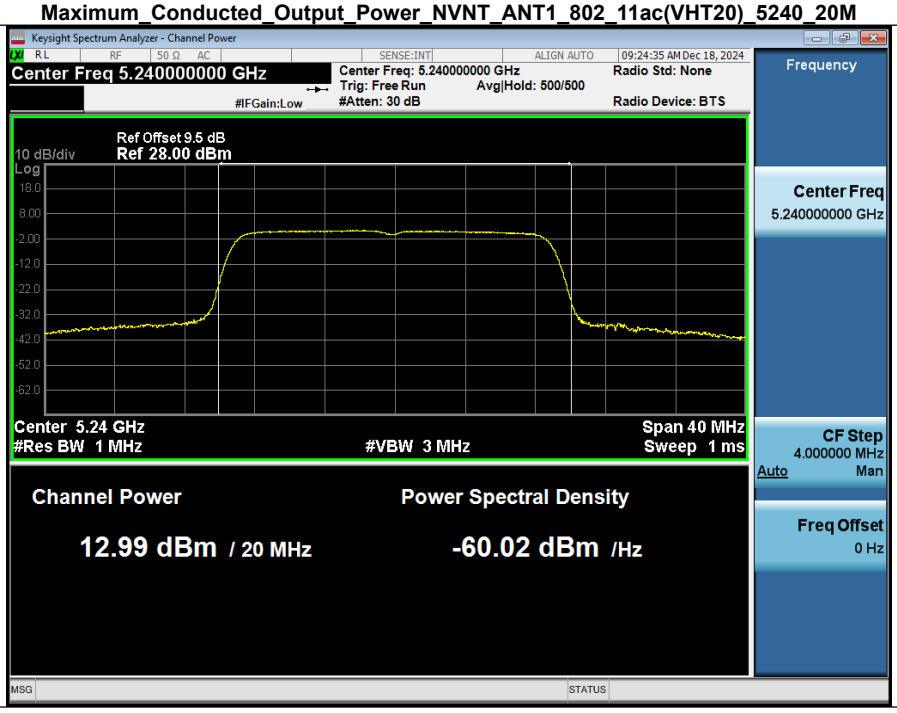

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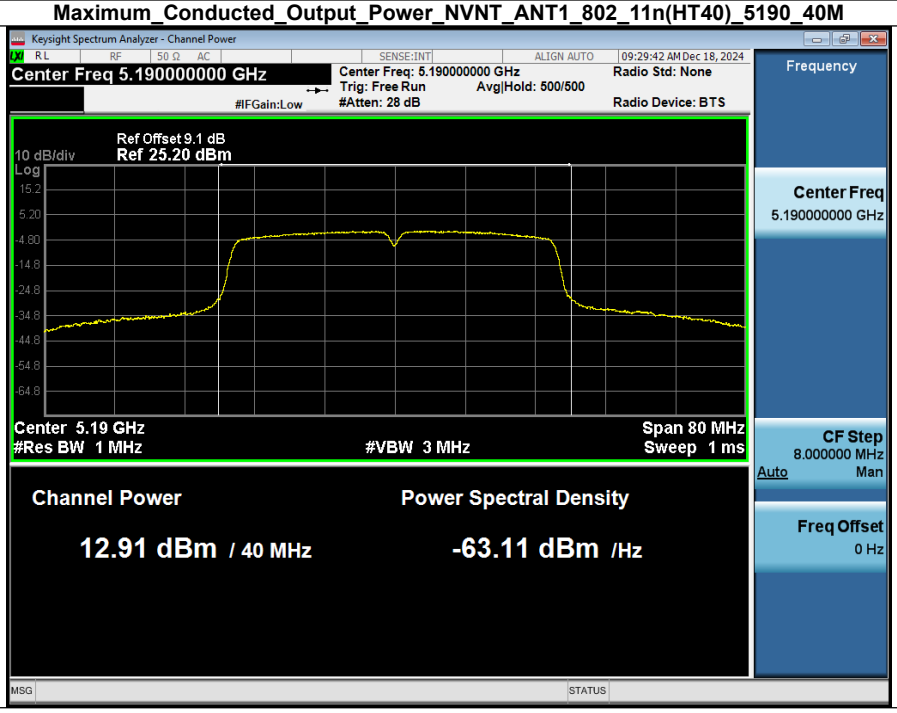

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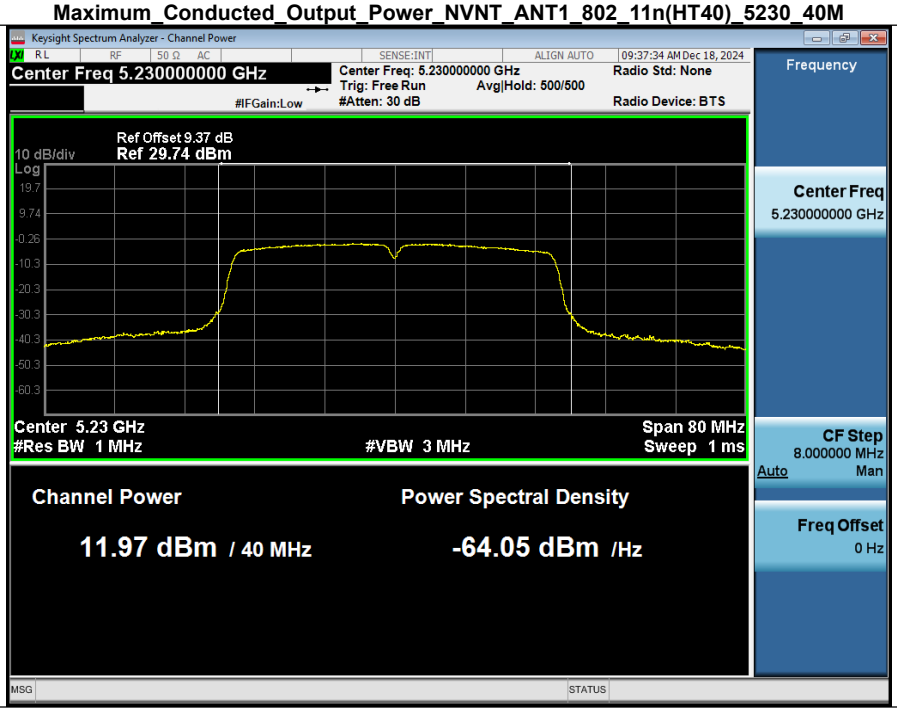
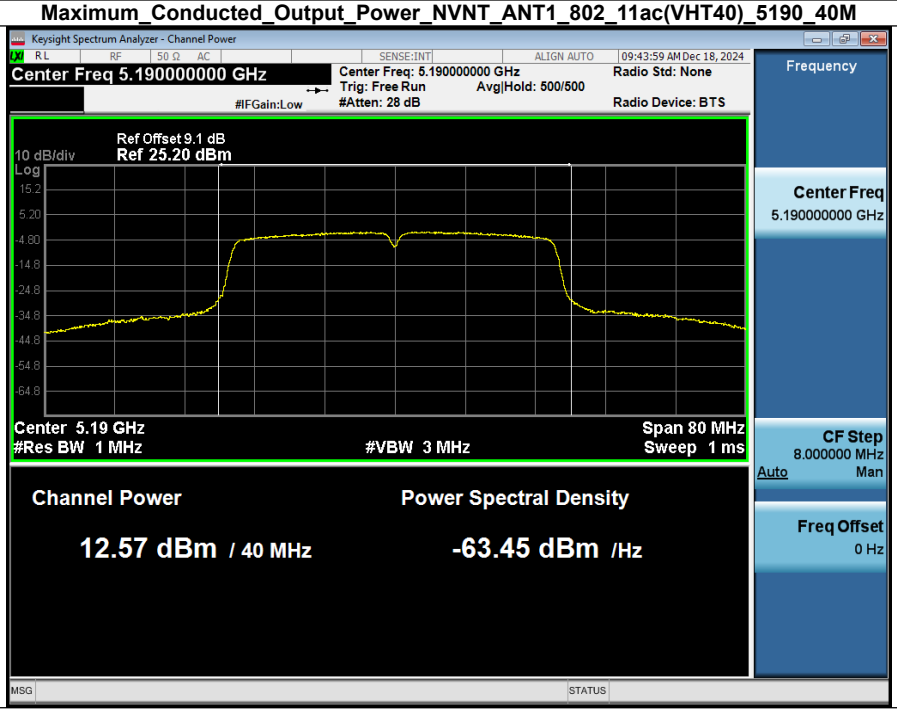
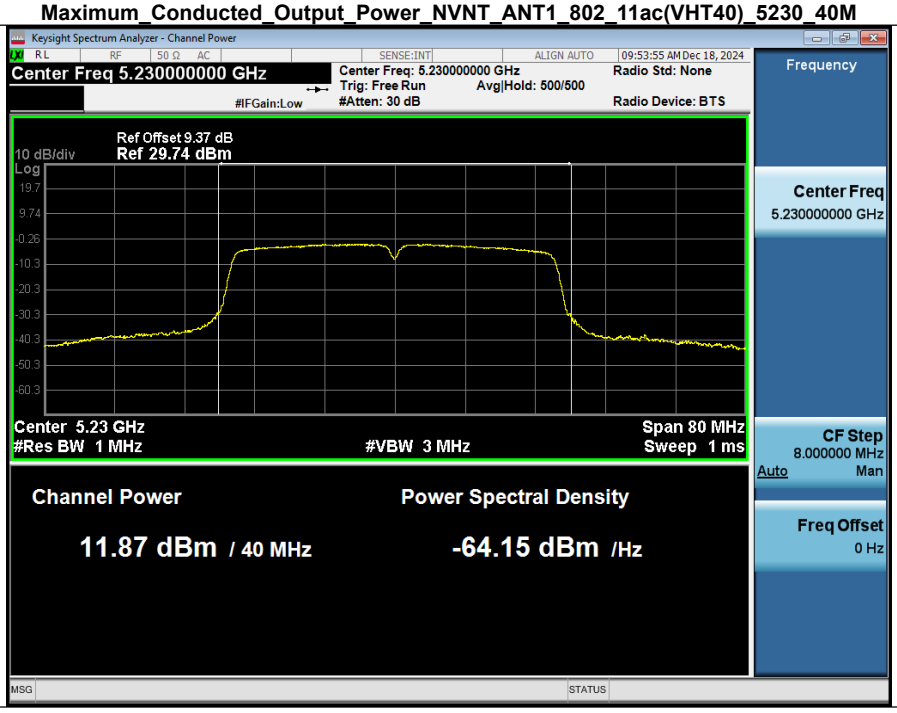


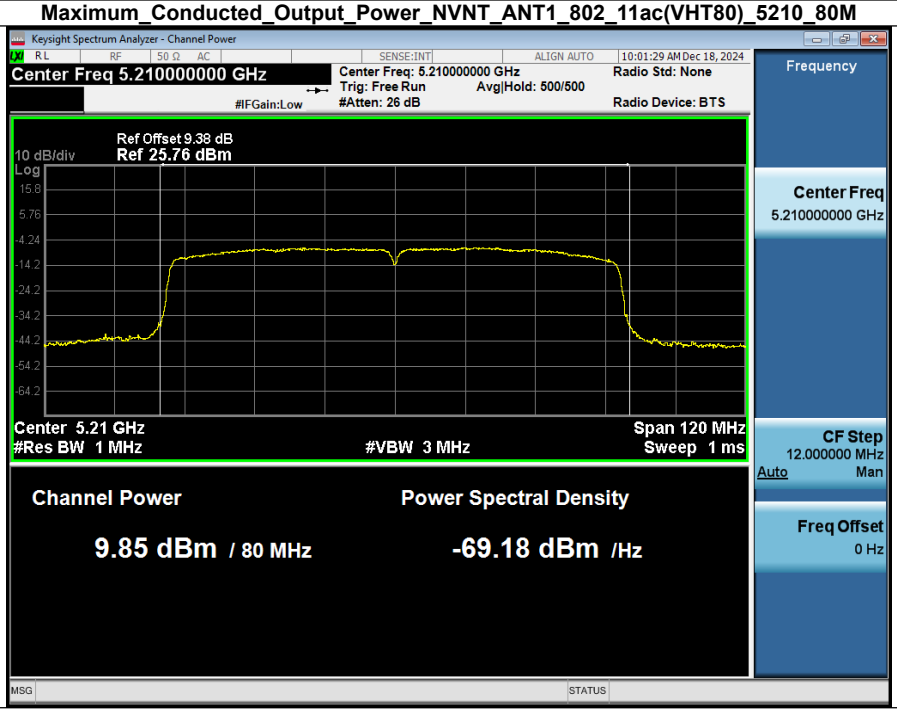
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5230_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT80)_5210_80M

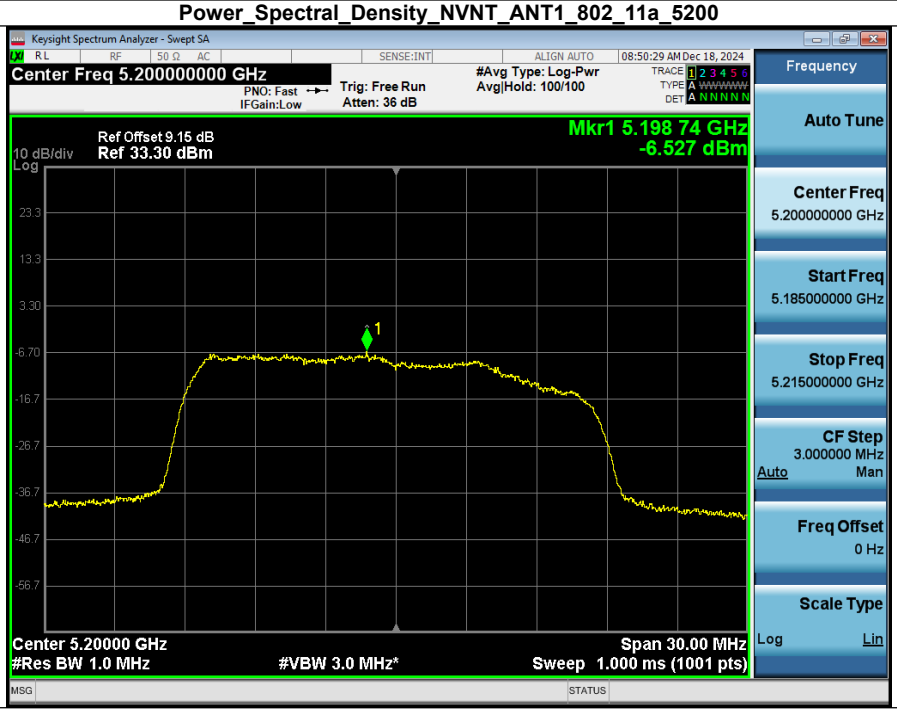


4. Power Spectral Density

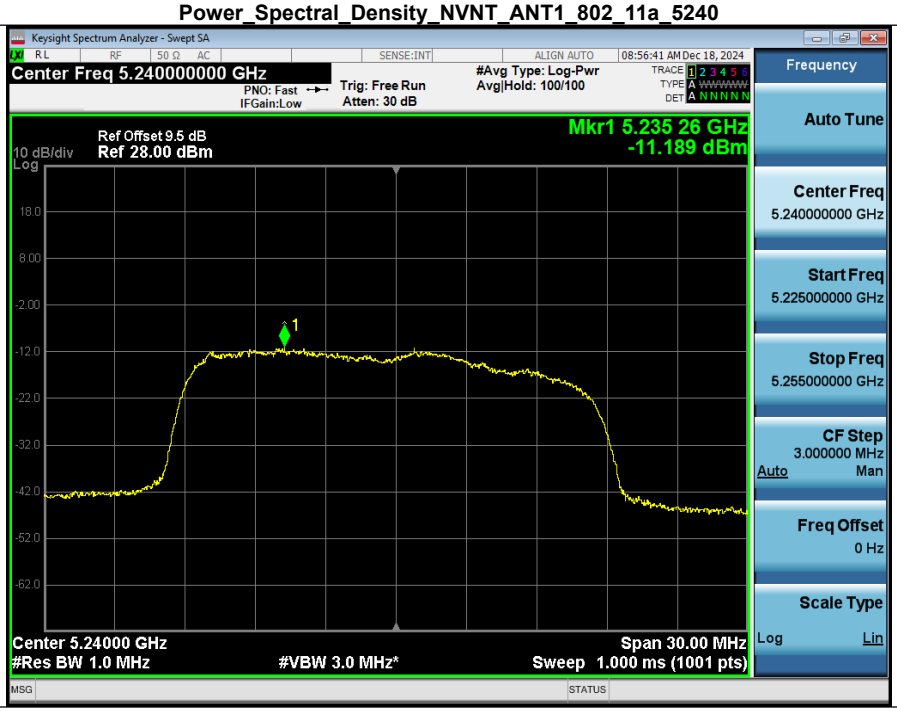
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-7.56	1.36	-6.20	11	Pass
NVNT	ANT1	802.11a	5200.00	-6.53	1.36	-5.17	11	Pass
NVNT	ANT1	802.11a	5240.00	-11.19	1.36	-9.83	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-11.69	1.45	-10.24	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-11.98	1.50	-10.48	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-11.59	1.45	-10.14	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-12.37	1.43	-10.94	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-9.20	1.43	-7.77	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-14.11	1.43	-12.68	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-24.27	2.51	-21.76	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-21.11	2.57	-18.54	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-23.77	2.51	-21.26	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-21.63	2.51	-19.12	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-34.59	4.09	-30.50	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5180

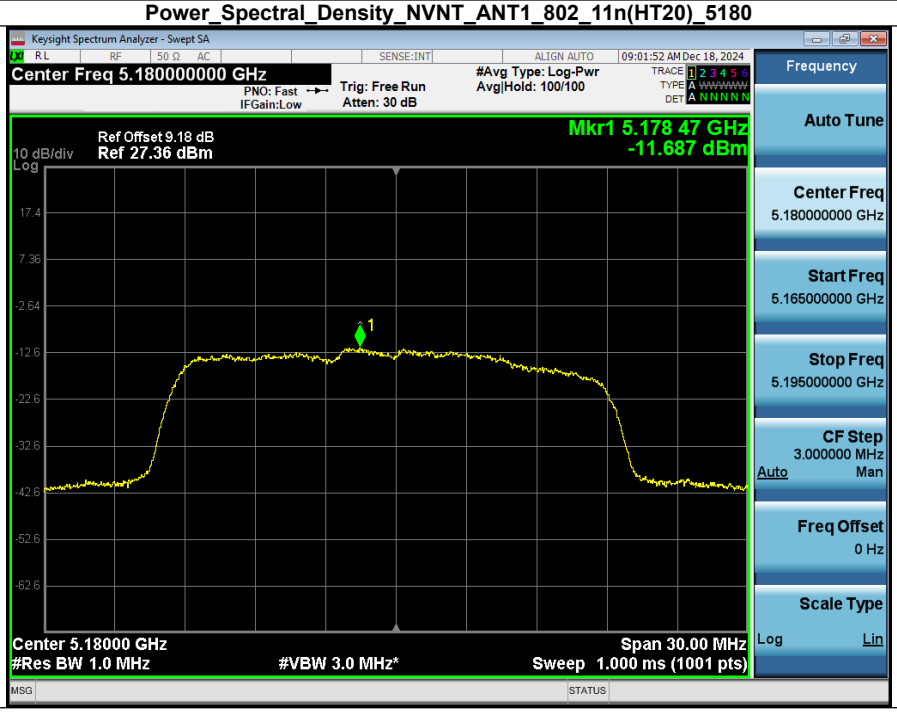
Power_Spectral_Density_NVNT_ANT1_802_11a_5200



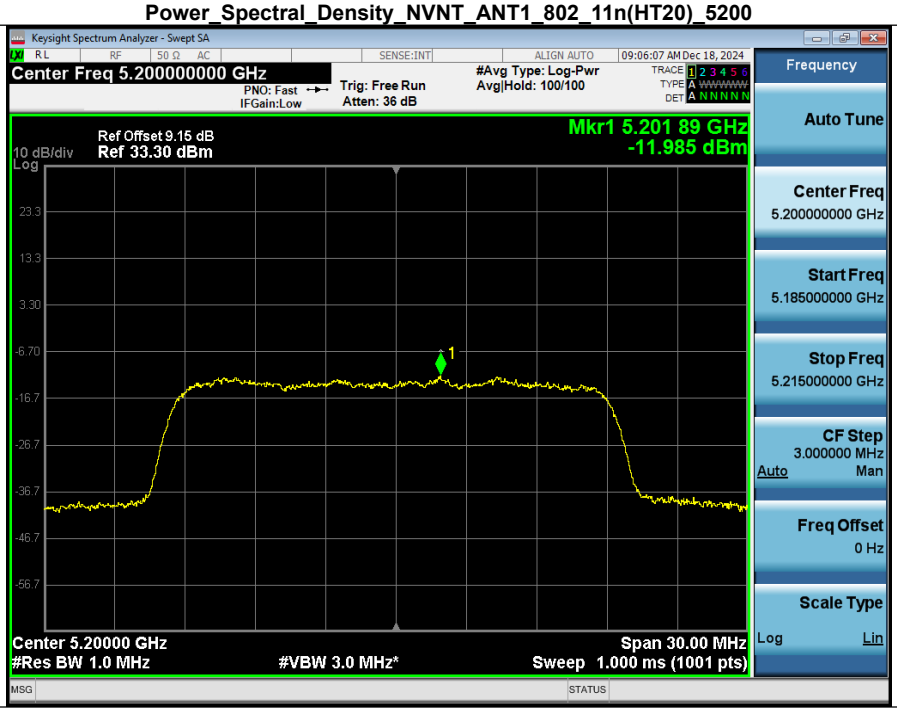
Power_Spectral_Density_NVNT_ANT1_802_11a_5240



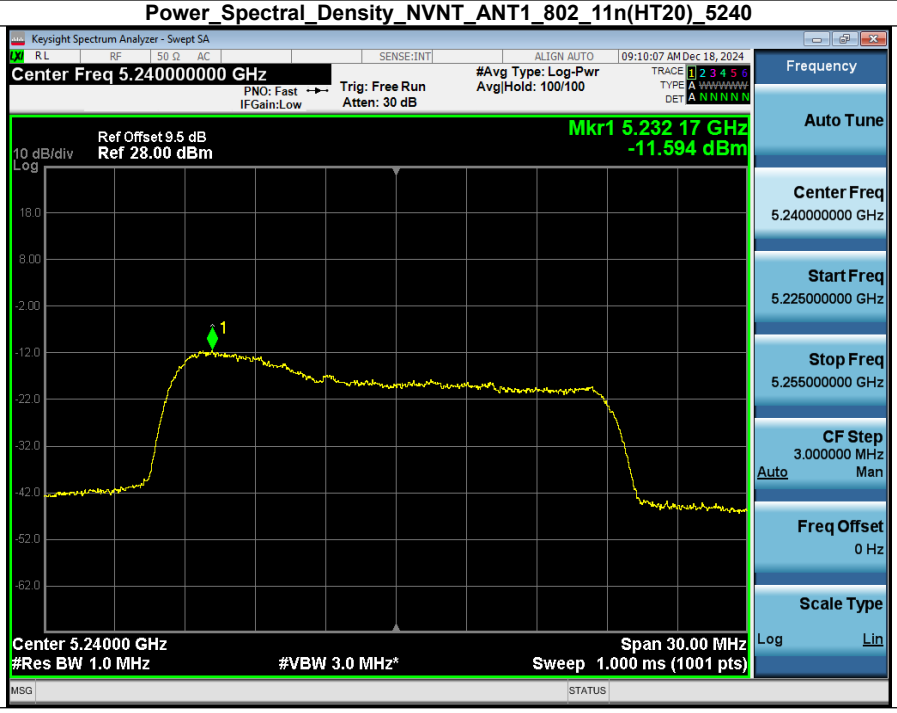
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5180



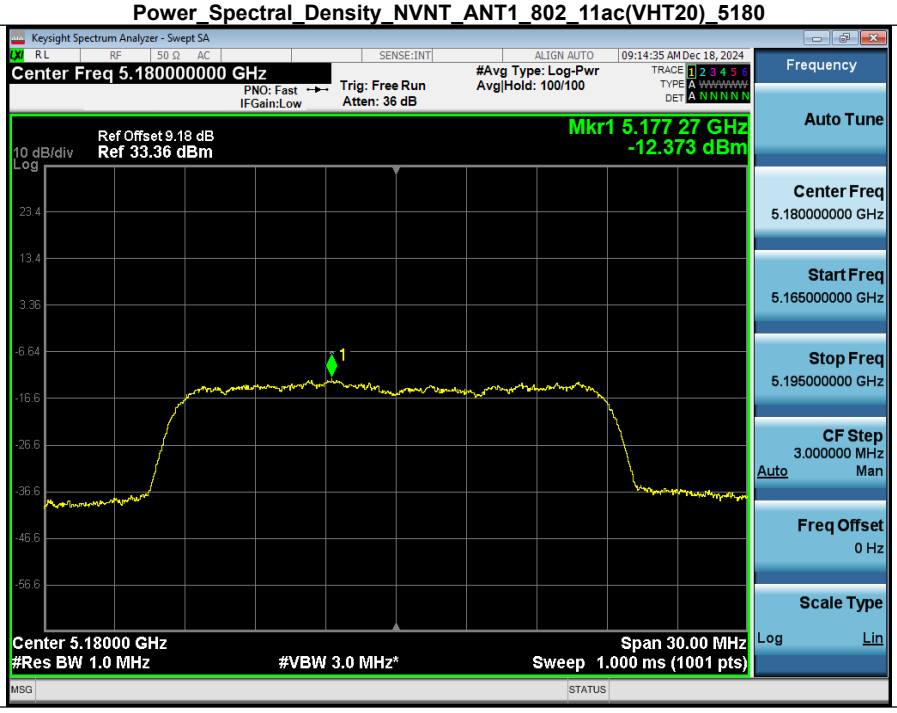
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5200



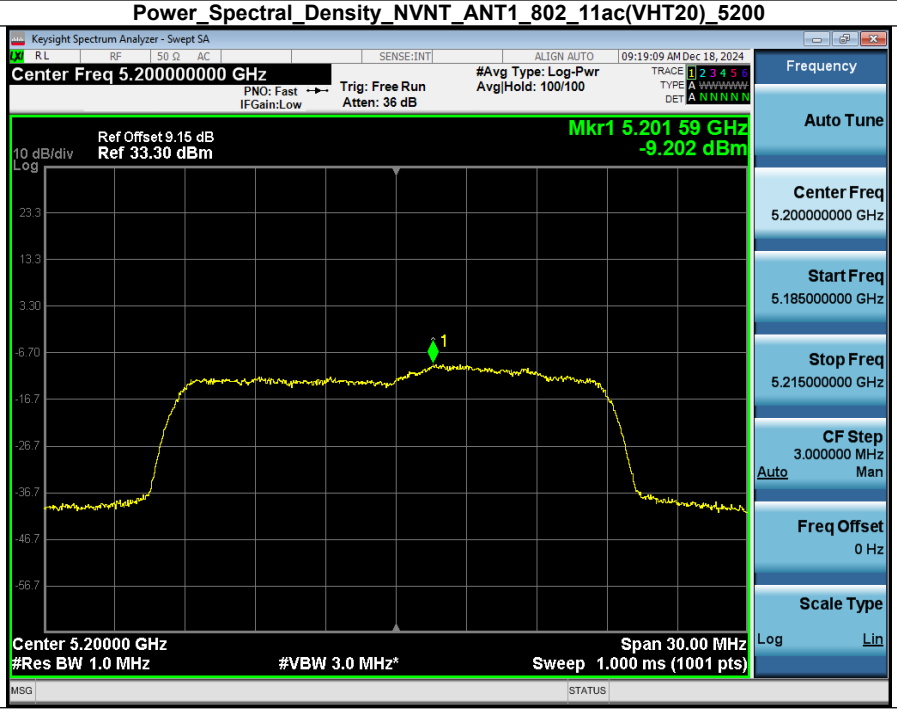
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5240



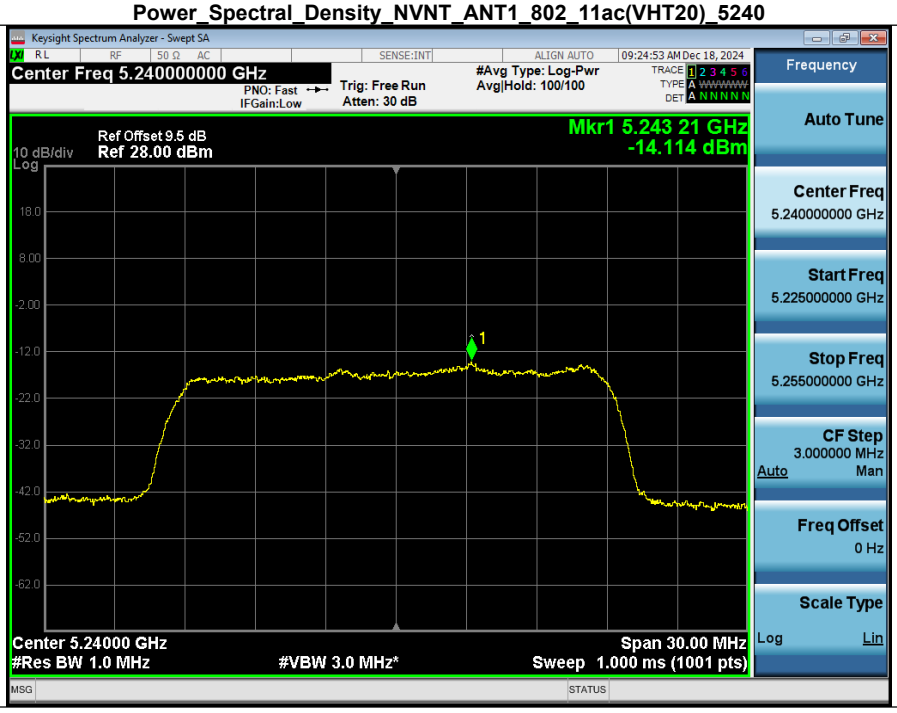
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5180



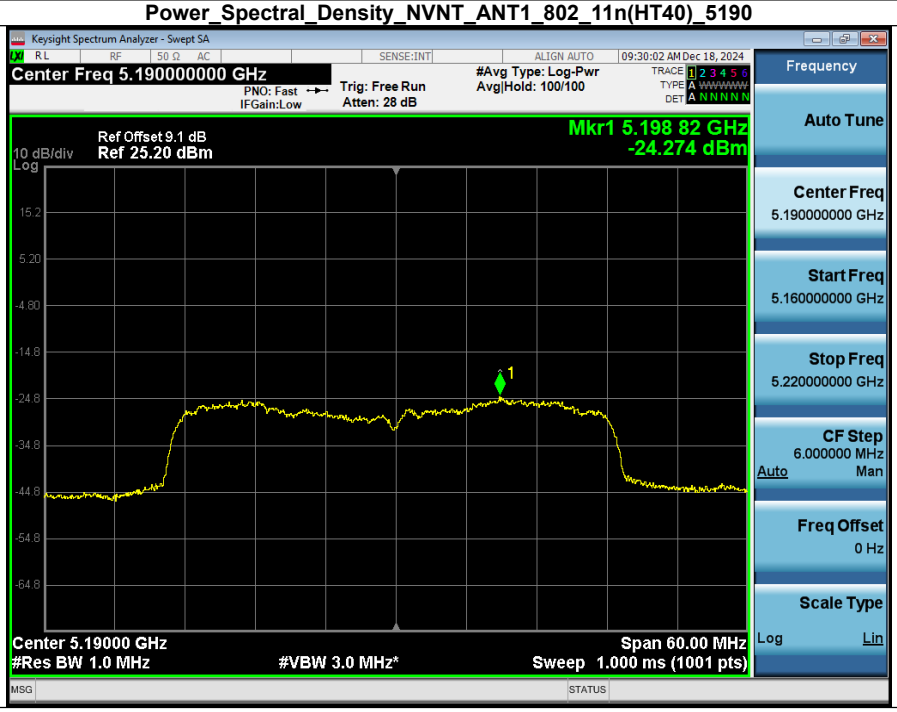
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200



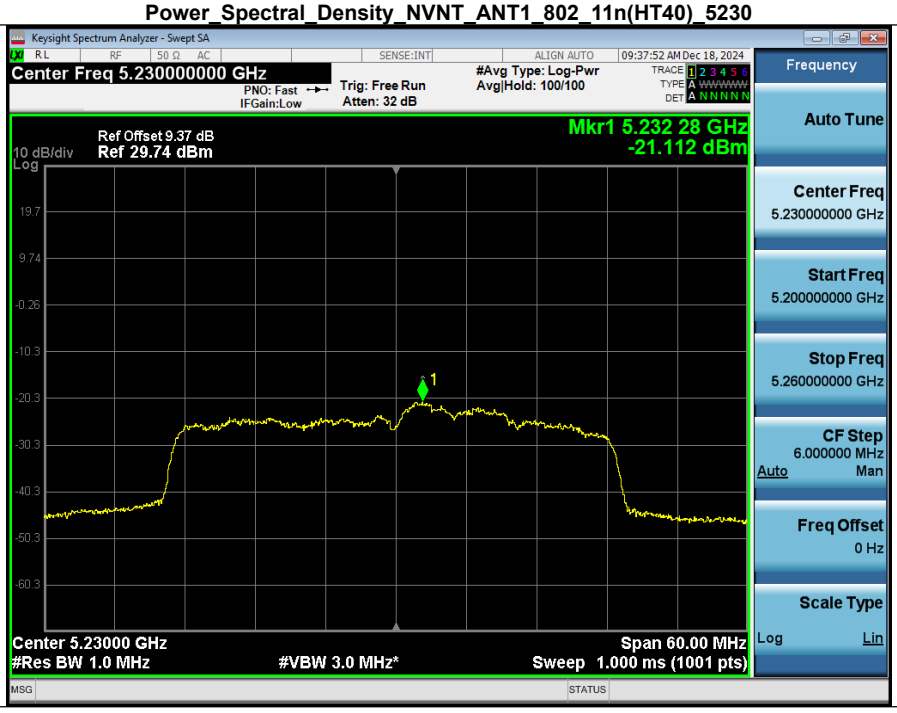
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5240



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5190

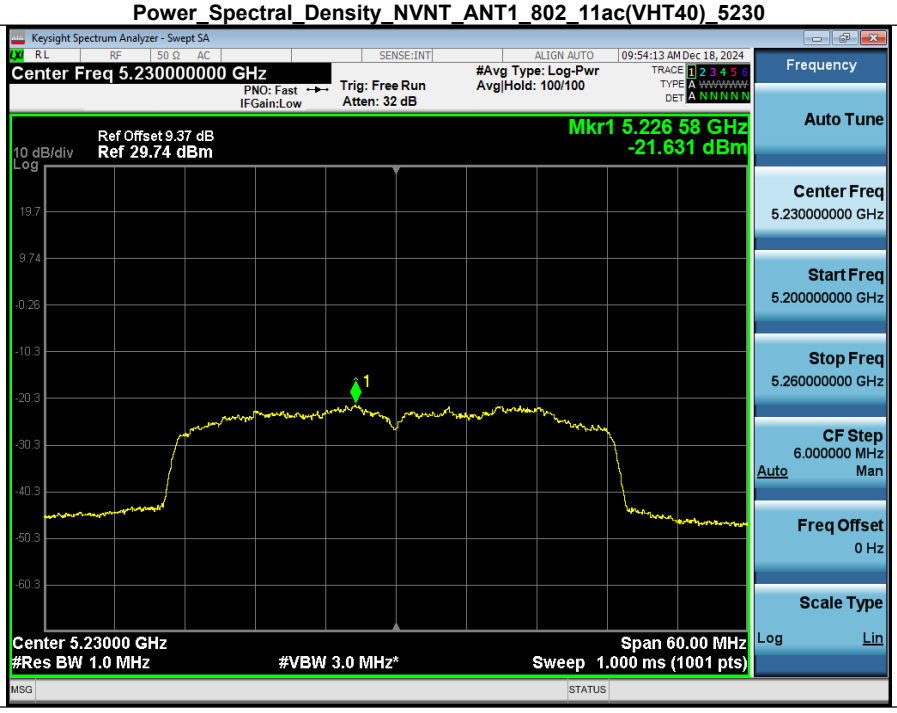


Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5230

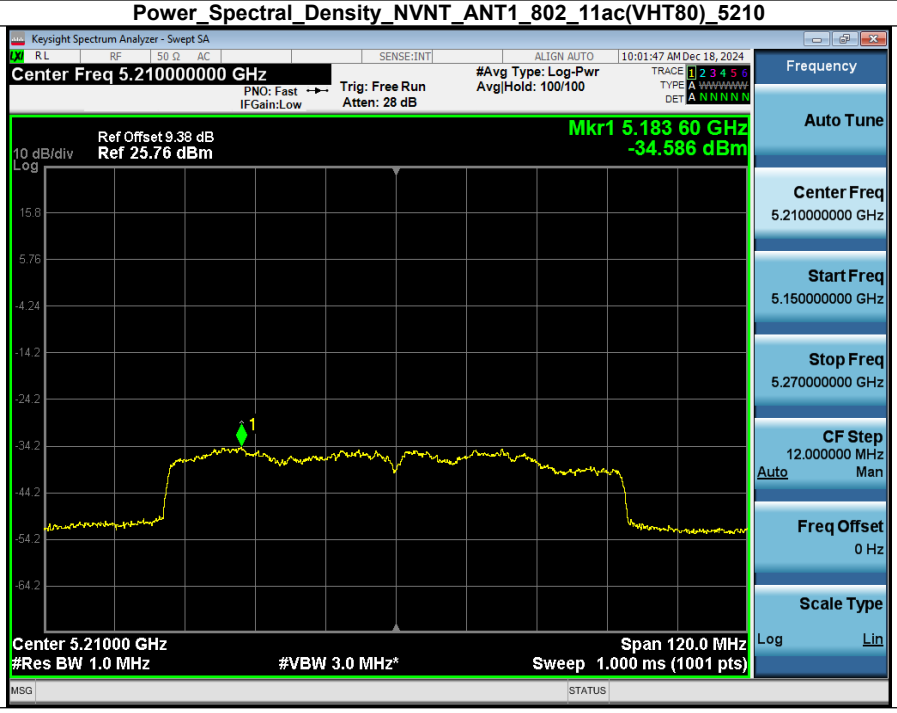


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5190

Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5230



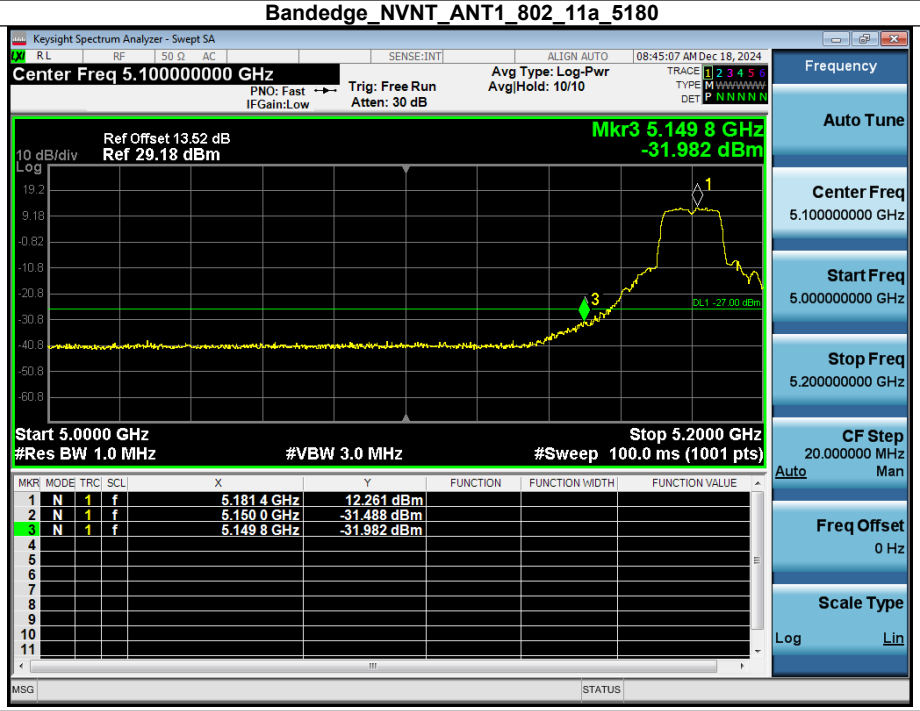
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210



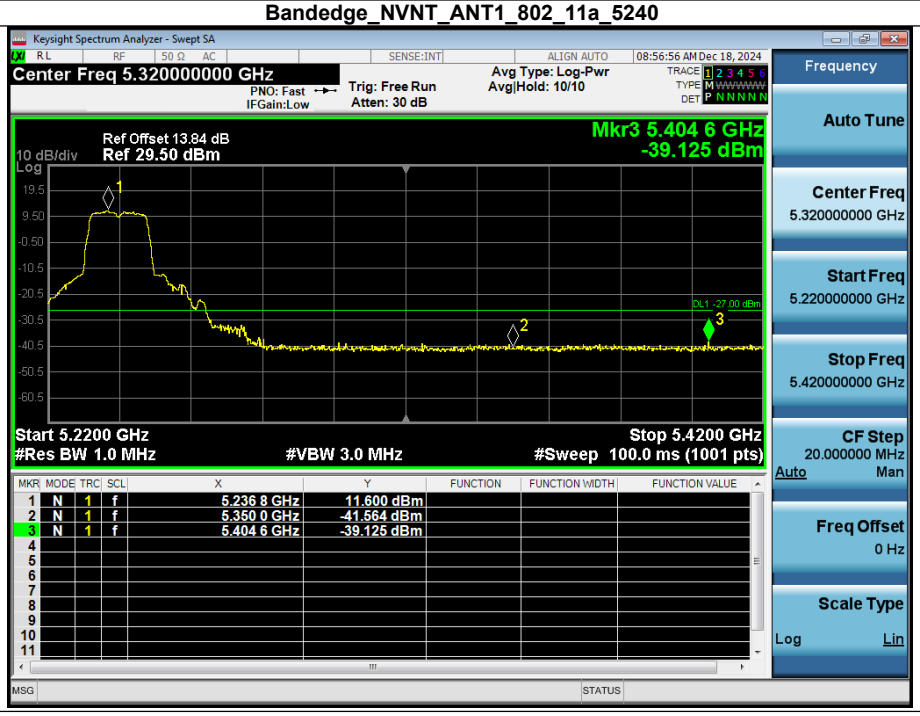
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5149.80	-31.98	-27	Pass
NVNT	ANT1	802.11a	5240.00	5404.60	-39.13	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5149.20	-31.69	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5419.00	-39.33	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	5149.00	-31.36	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	5419.00	-39.36	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5149.31	-33.18	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5414.33	-39.92	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	5148.26	-37.16	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	5409.71	-39.62	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5148.26	-27.08	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5393.12	-39.98	-27	Pass
Note:The test diagram has integrated antenna gain to Offset Settings.							

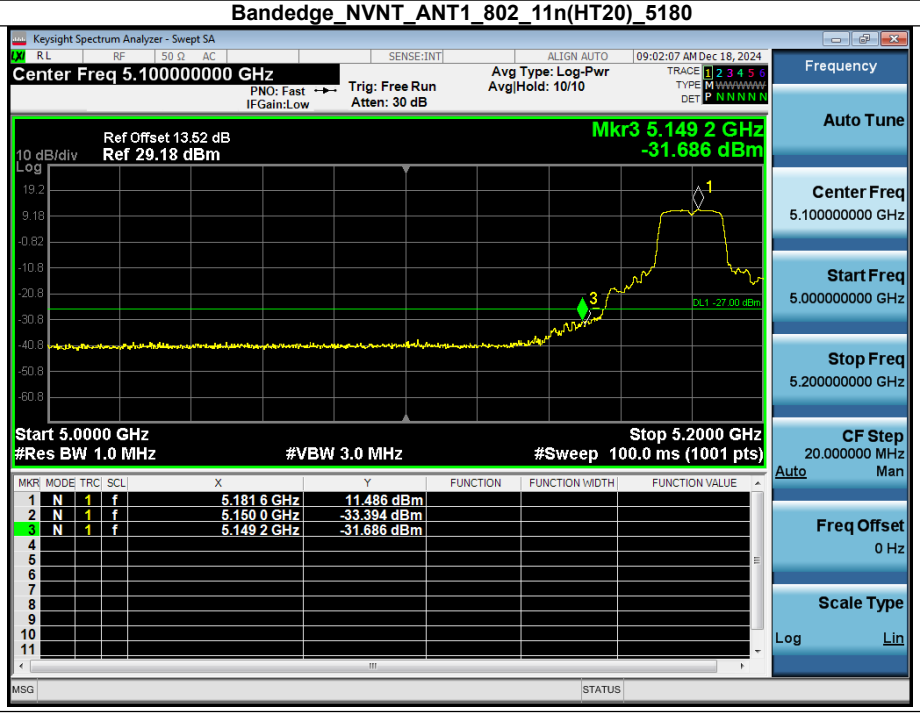
Bandedge_NVNT_ANT1_802_11a_5180



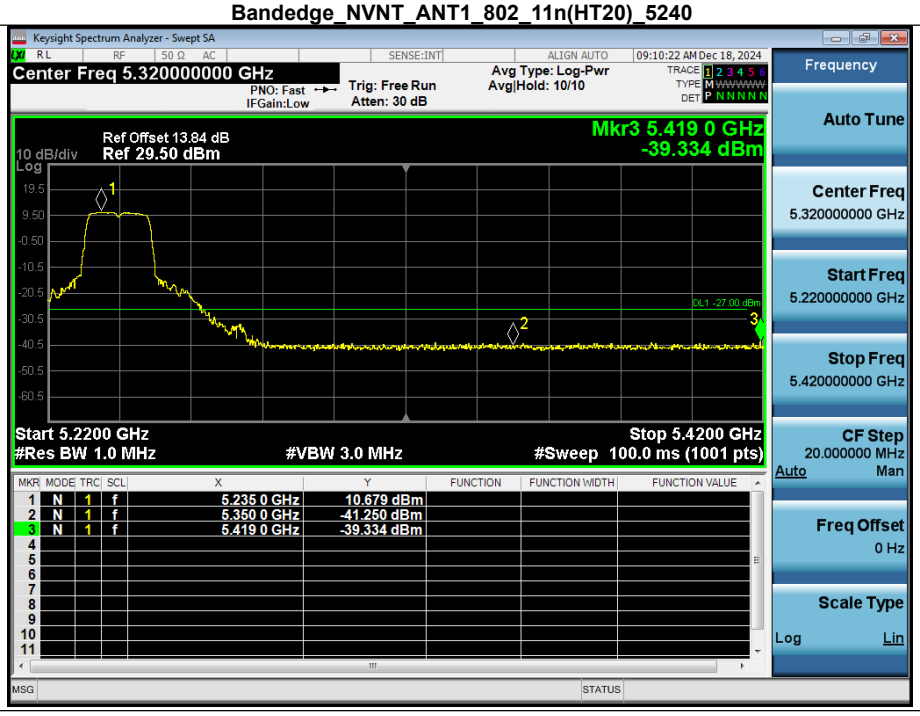
Bandedge_NVNT_ANT1_802_11a_5240



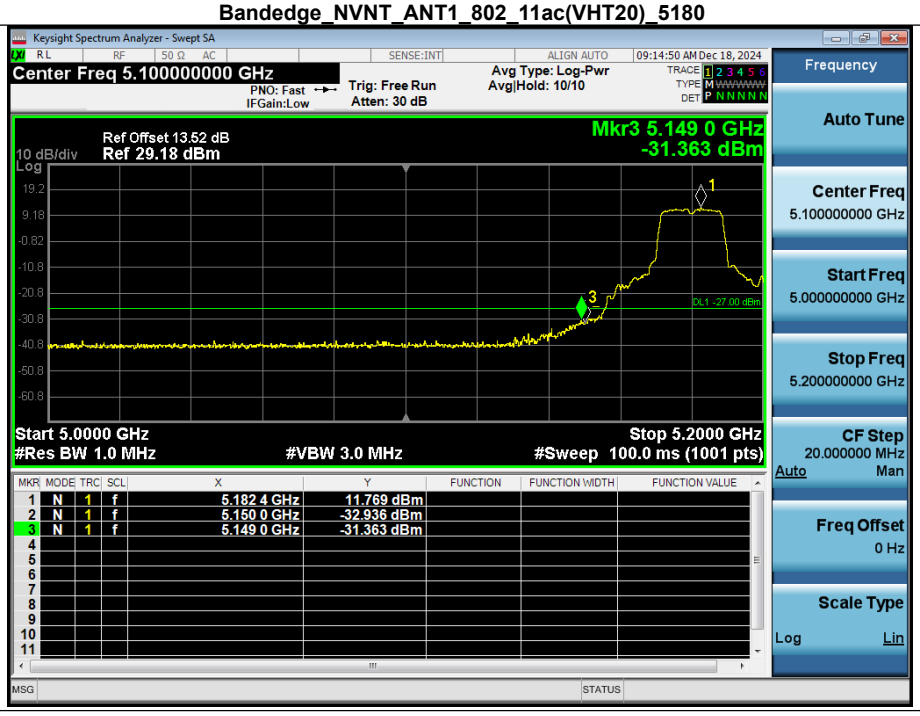
Bandedge_NVNT_ANT1_802_11n(HT20)_5180



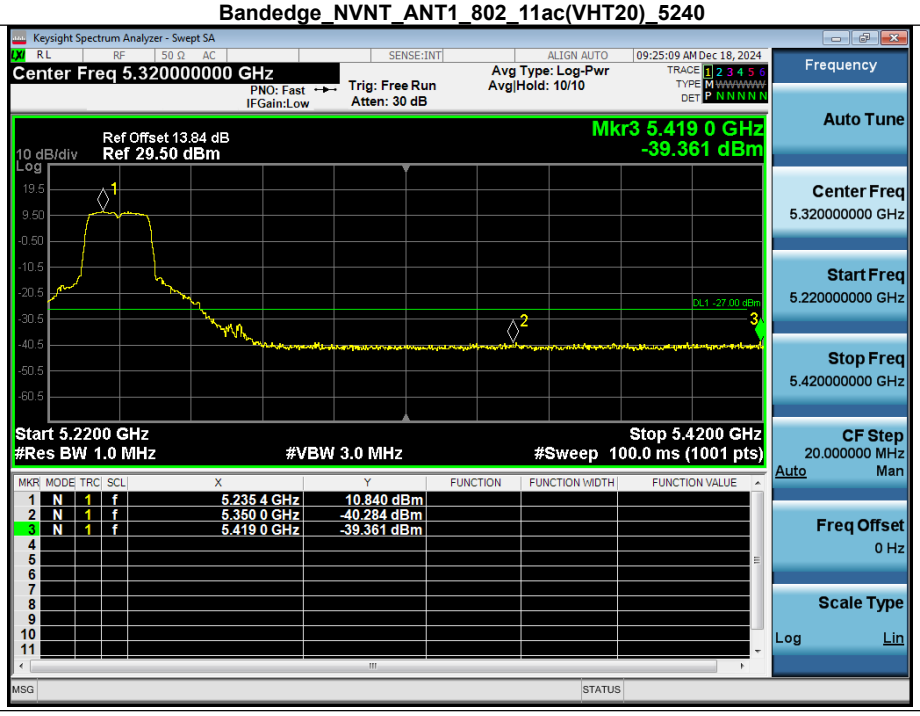
Bandedge_NVNT_ANT1_802_11n(HT20)_5240



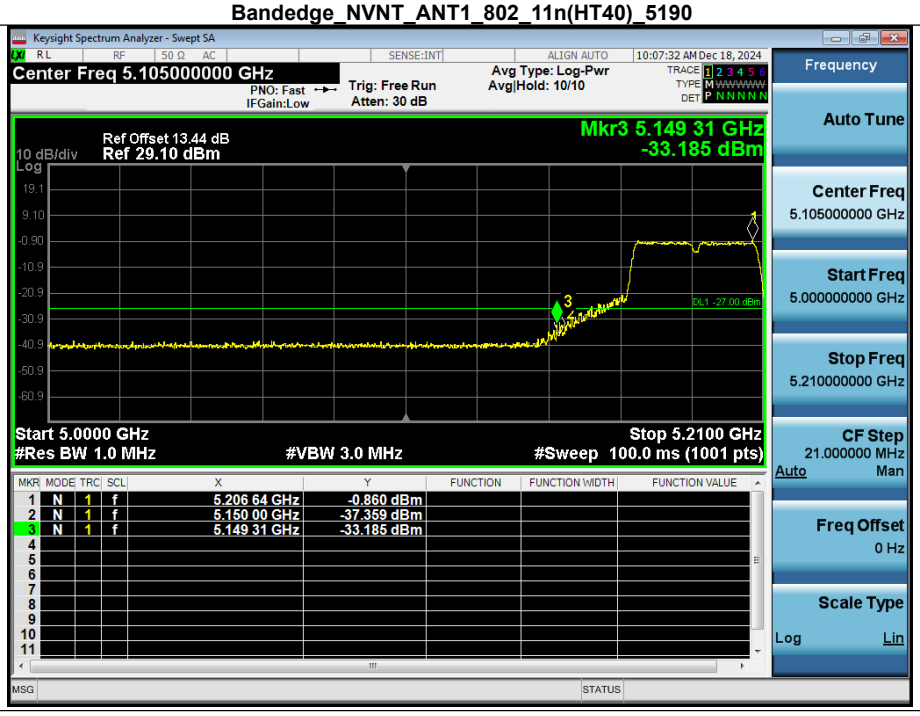
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5180



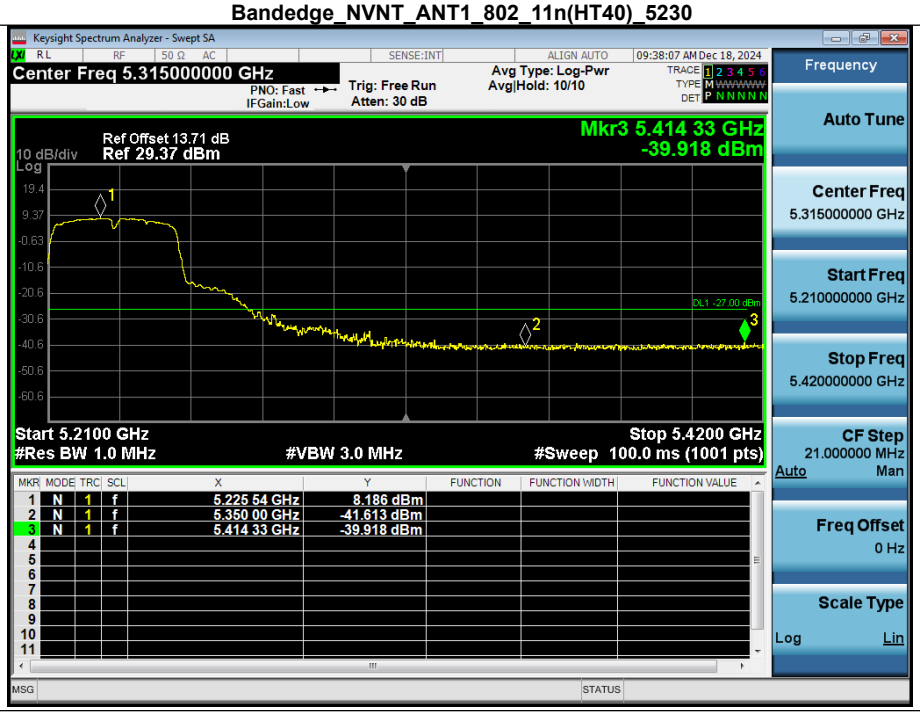
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5240



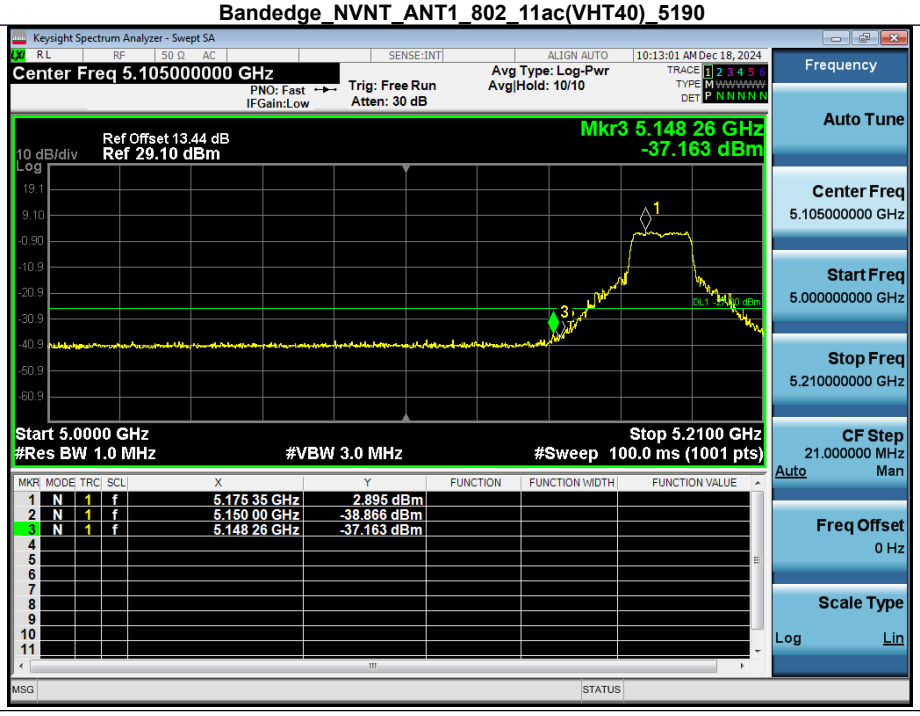
Bandedge_NVNT_ANT1_802_11n(HT40)_5190



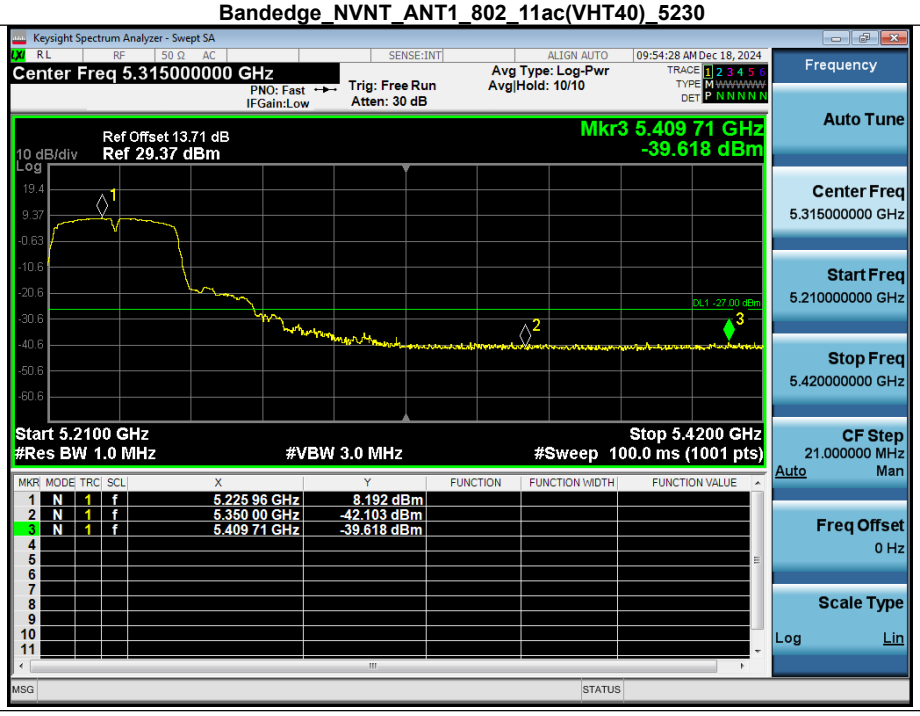
Bandedge_NVNT_ANT1_802_11n(HT40)_5230



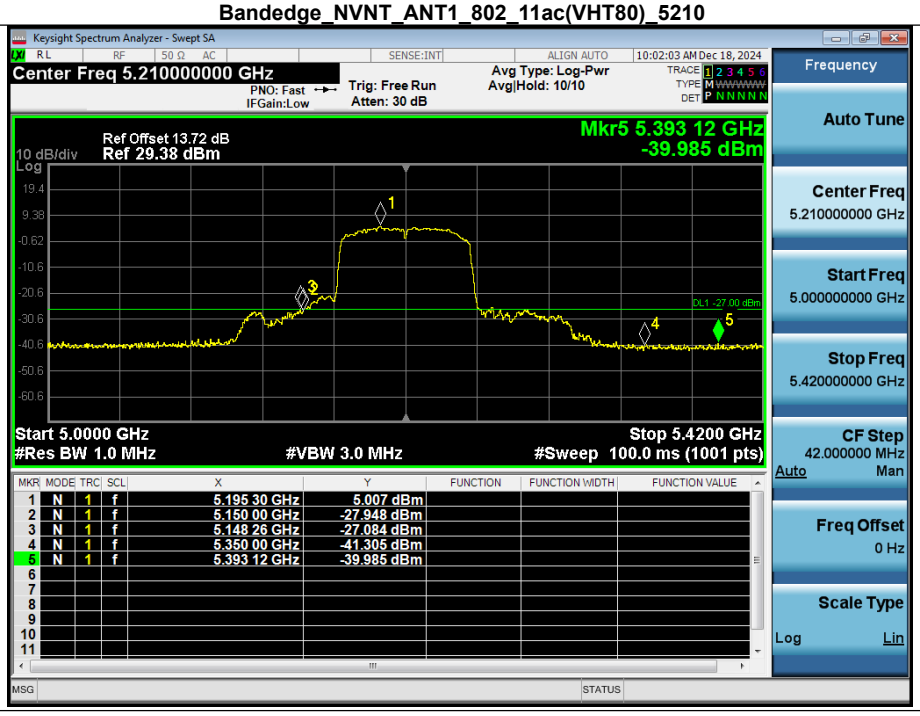
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5190



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5230



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5210

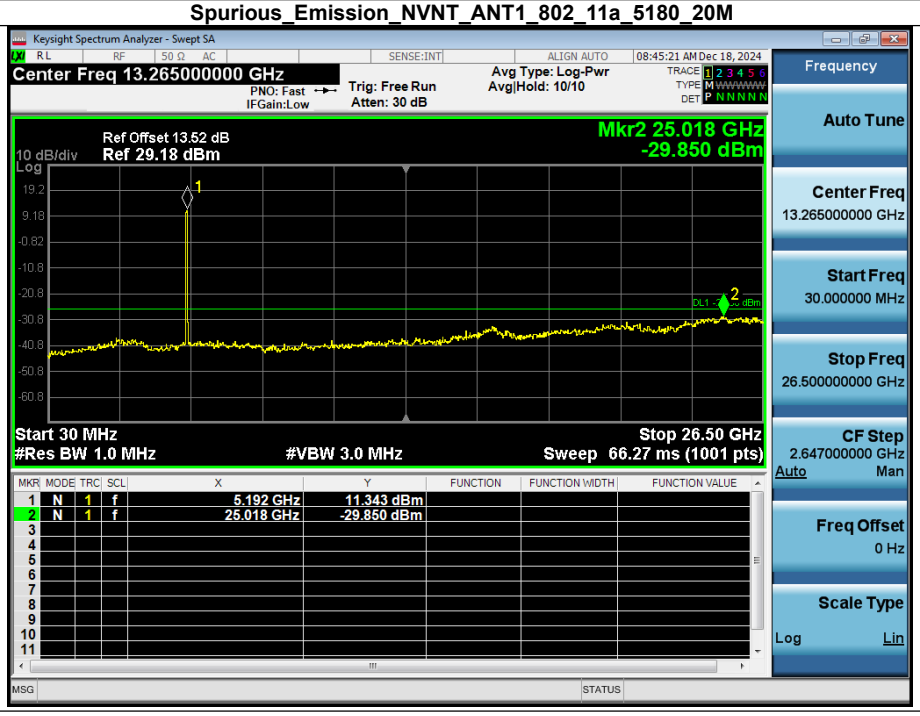


6. Spurious Emission

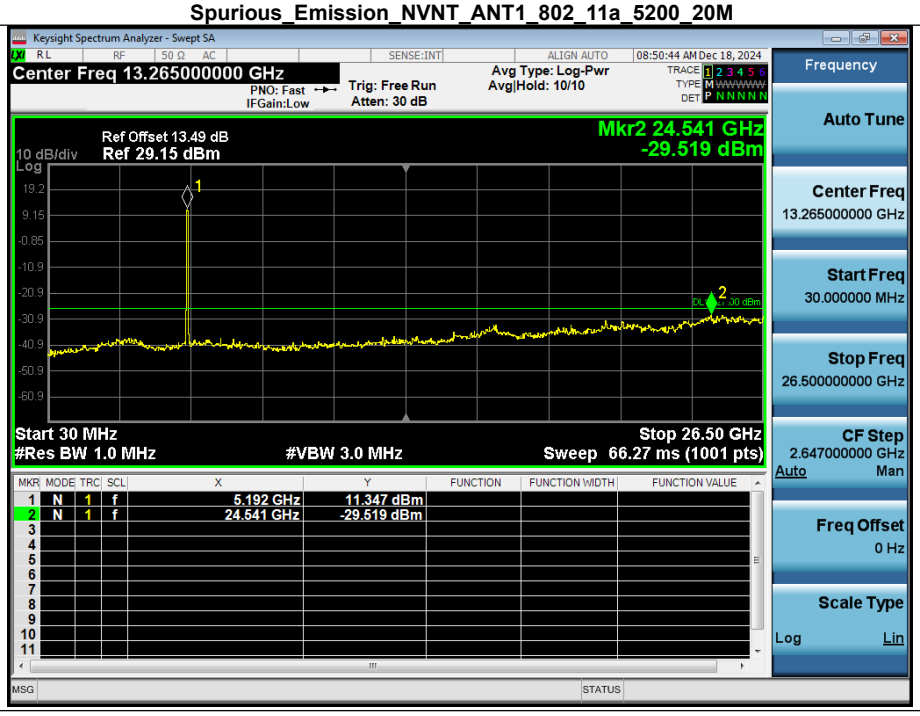
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	25017.68	-29.85	-27	Pass
NVNT	ANT1	802.11a	5200.00	24541.22	-29.52	-27	Pass
NVNT	ANT1	802.11a	5240.00	24964.74	-28.82	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	24964.74	-29.05	-27	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	24541.22	-28.93	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	24991.21	-28.35	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	24911.80	-29.36	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	24964.74	-29.20	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	24991.21	-27.87	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	24911.80	-29.31	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	25044.15	-29.08	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	24991.21	-28.66	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	25070.62	-29.48	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	24991.21	-28.37	-27	Pass

Note:1. The antenna gain is compensated in the test data.
2.26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz

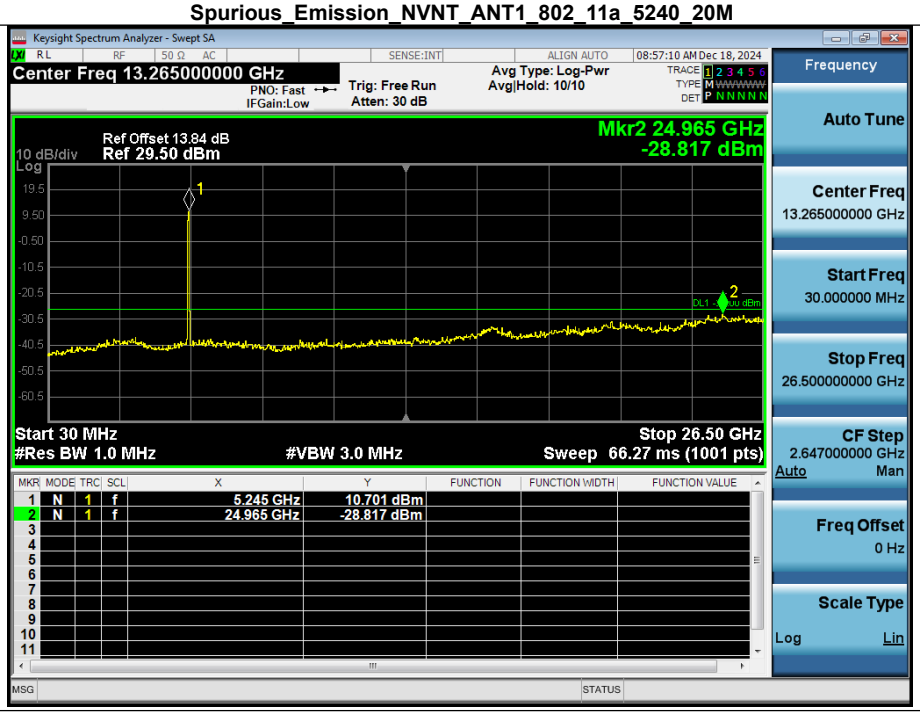
Spurious_Emission_NVNT_ANT1_802_11a_5180_20M



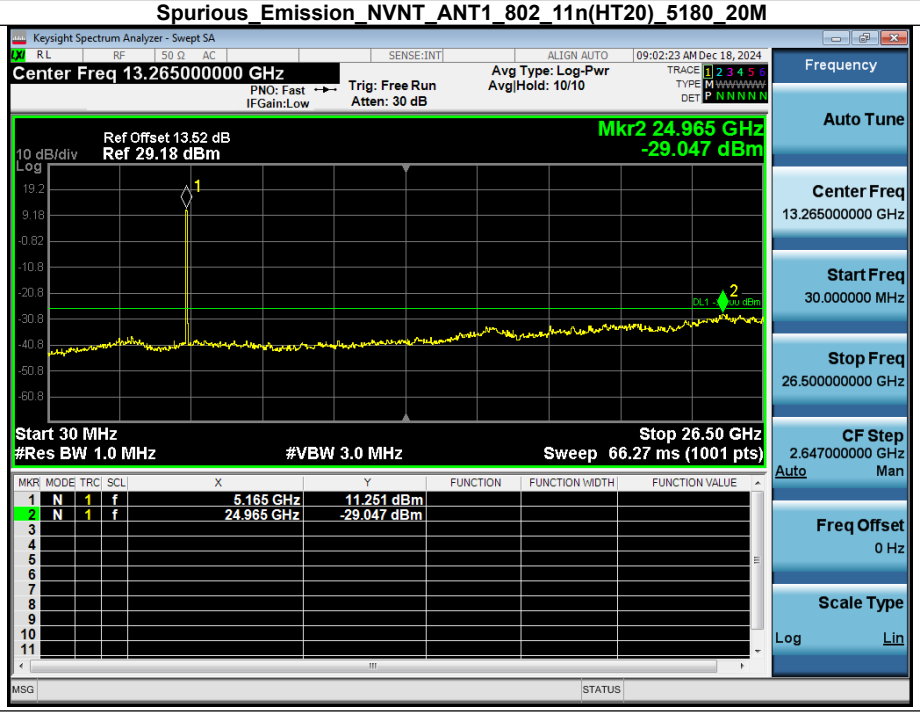
Spurious_Emission_NVNT_ANT1_802_11a_5200_20M



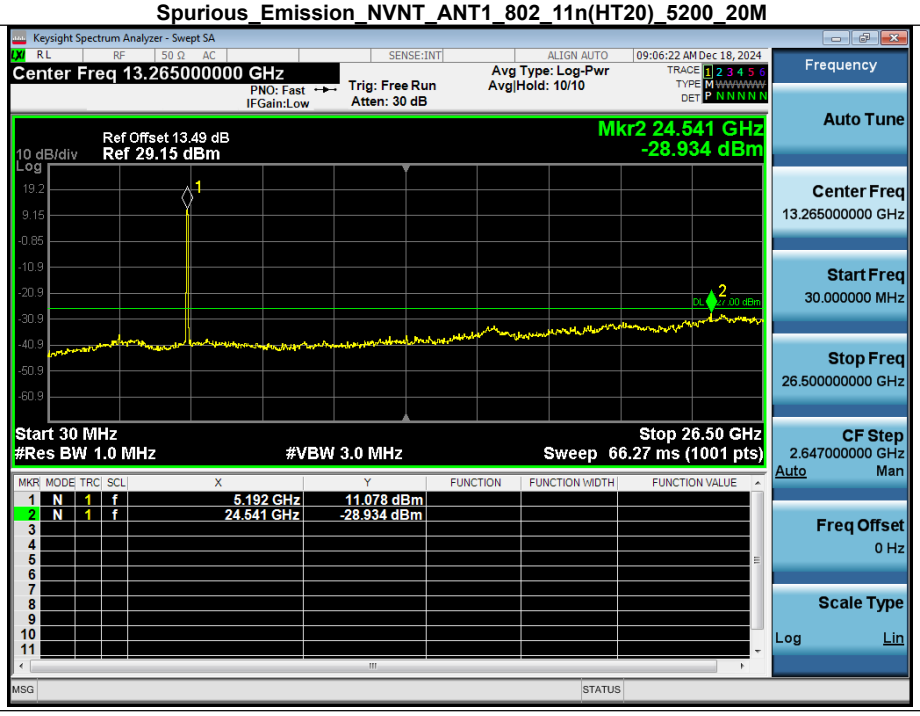
Spurious_Emission_NVNT_ANT1_802_11a_5240_20M



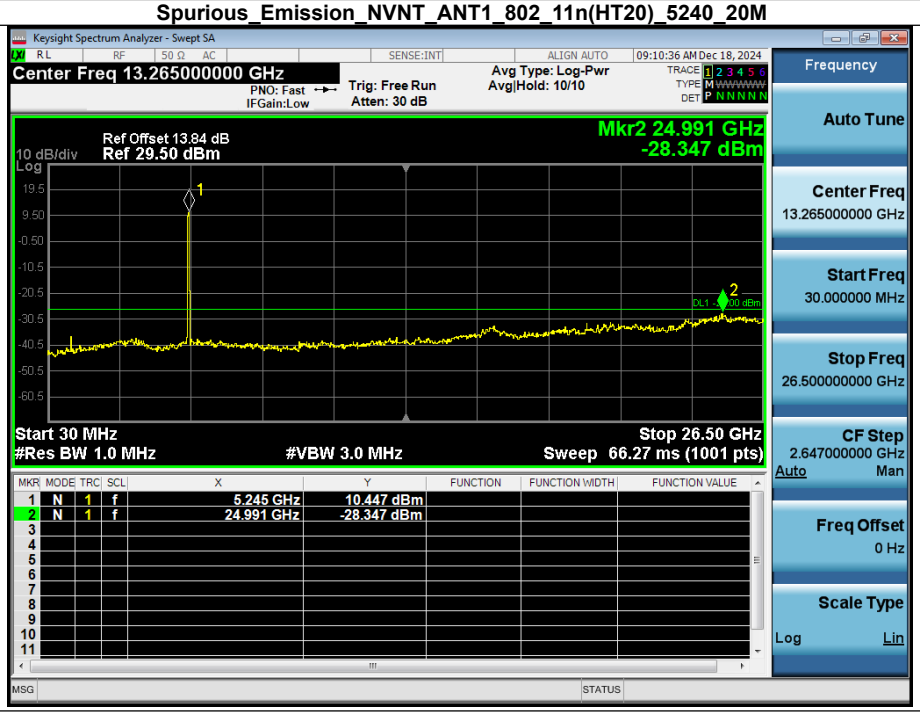
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5180_20M



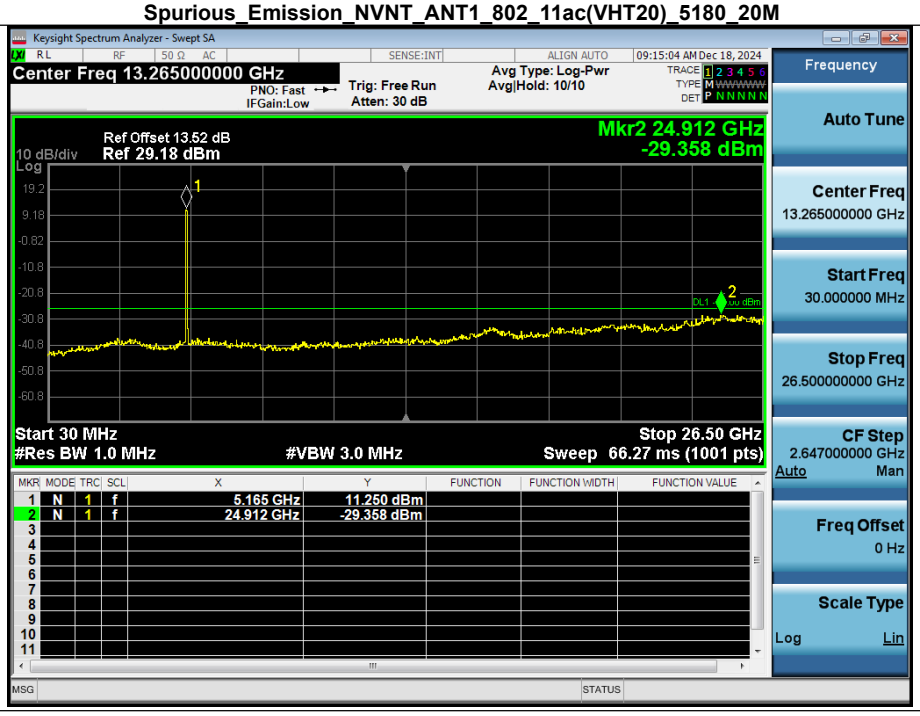
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5200_20M



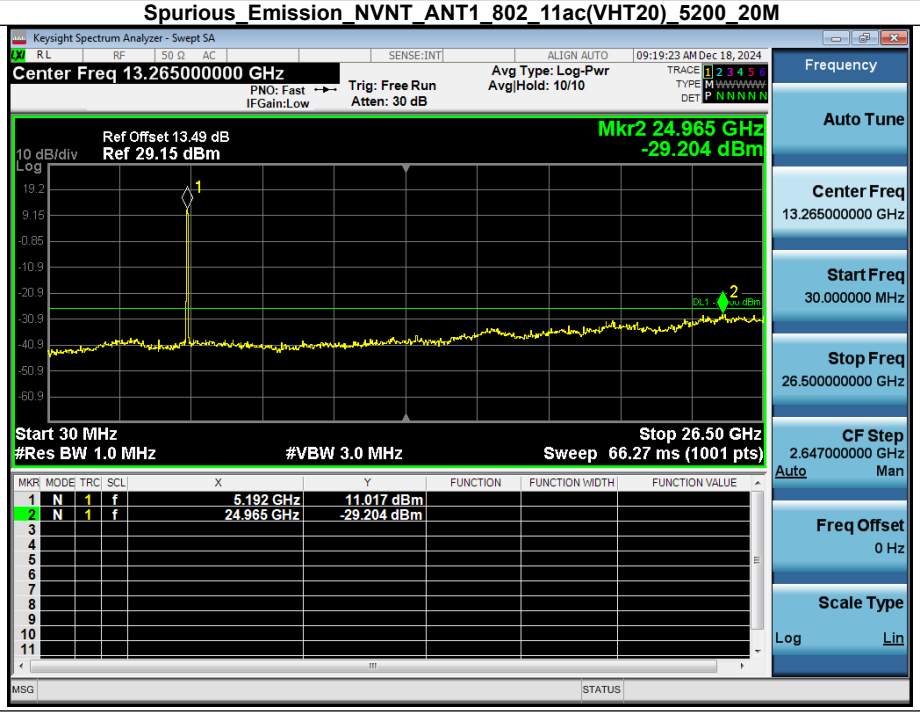
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5240_20M



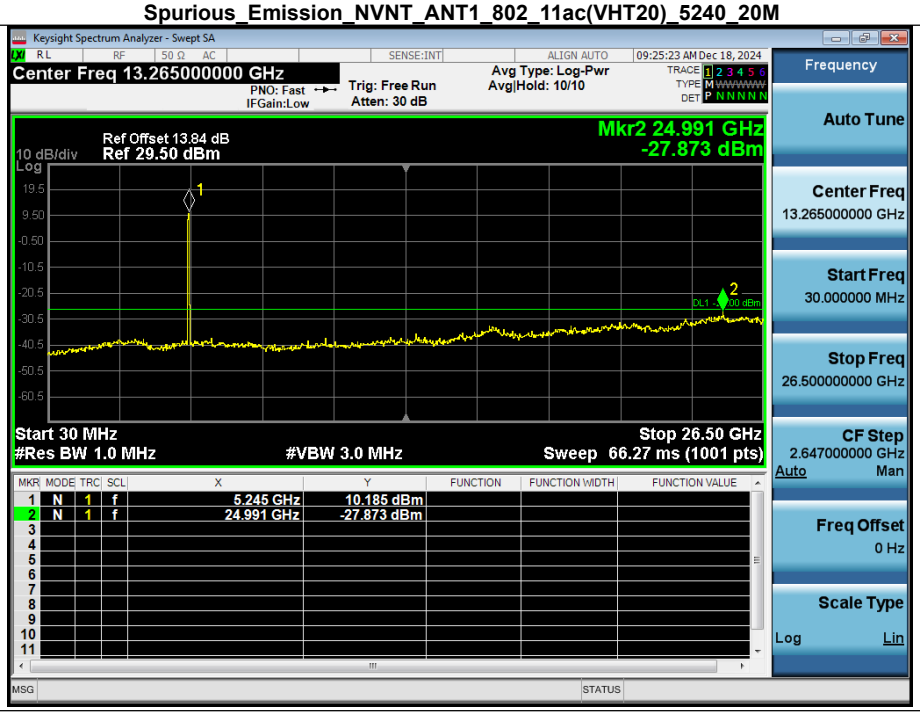
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5180_20M



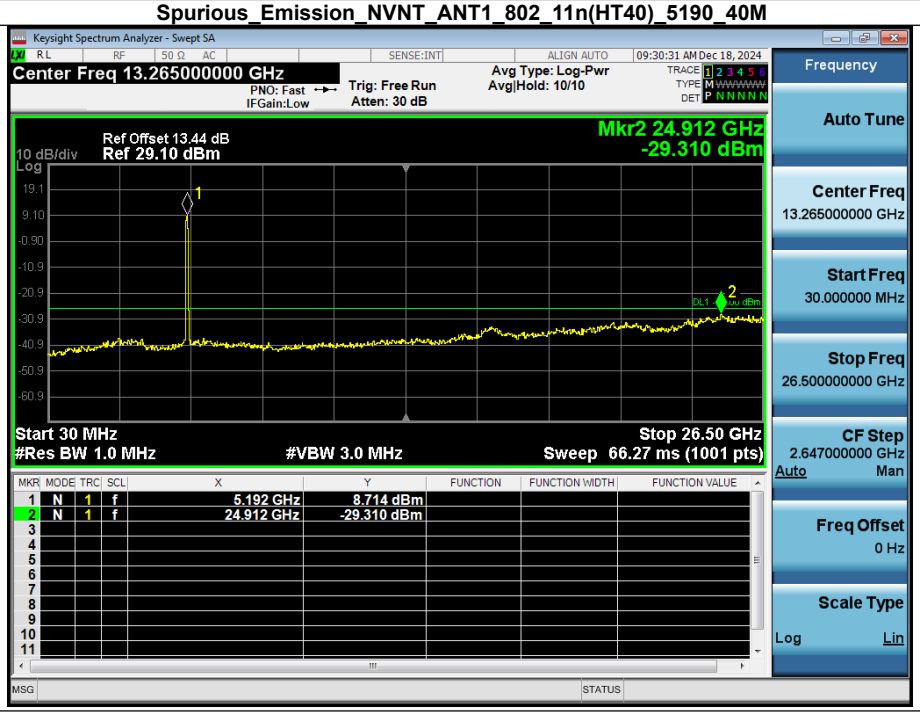
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5200_20M



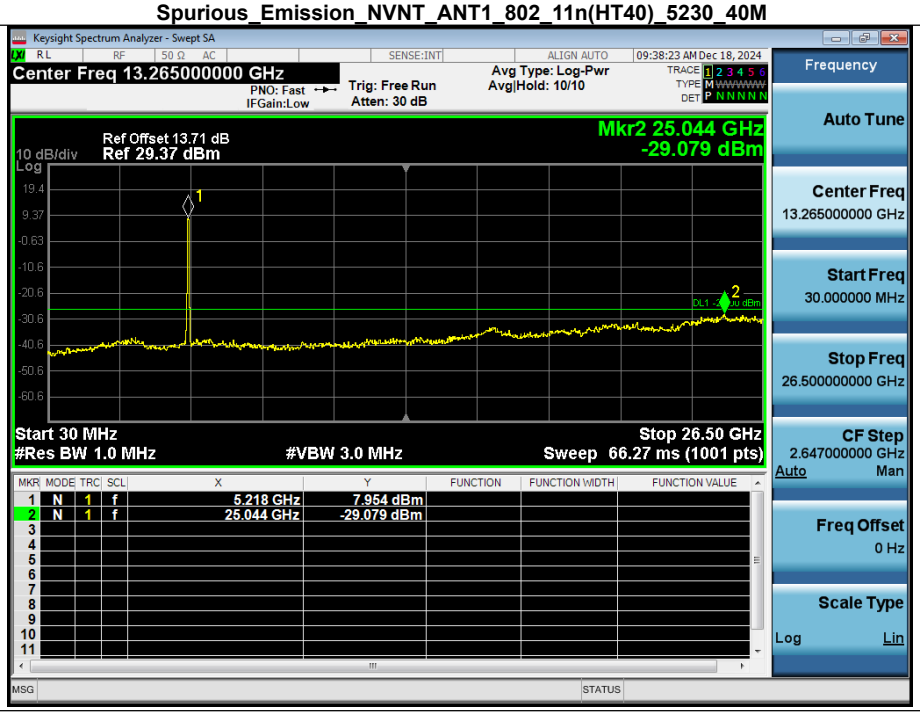
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5240_20M



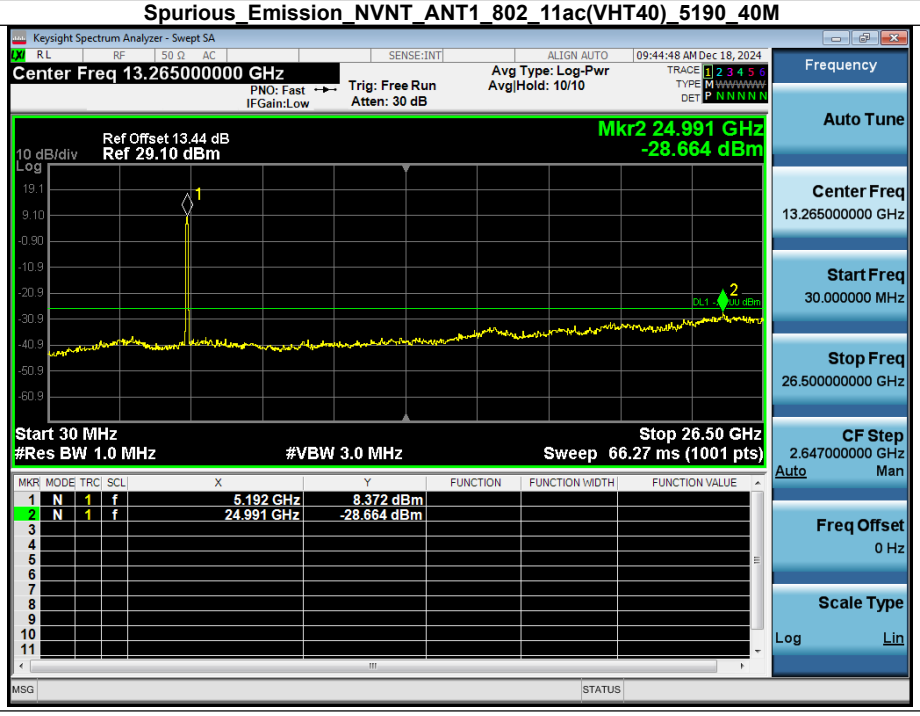
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5190_40M



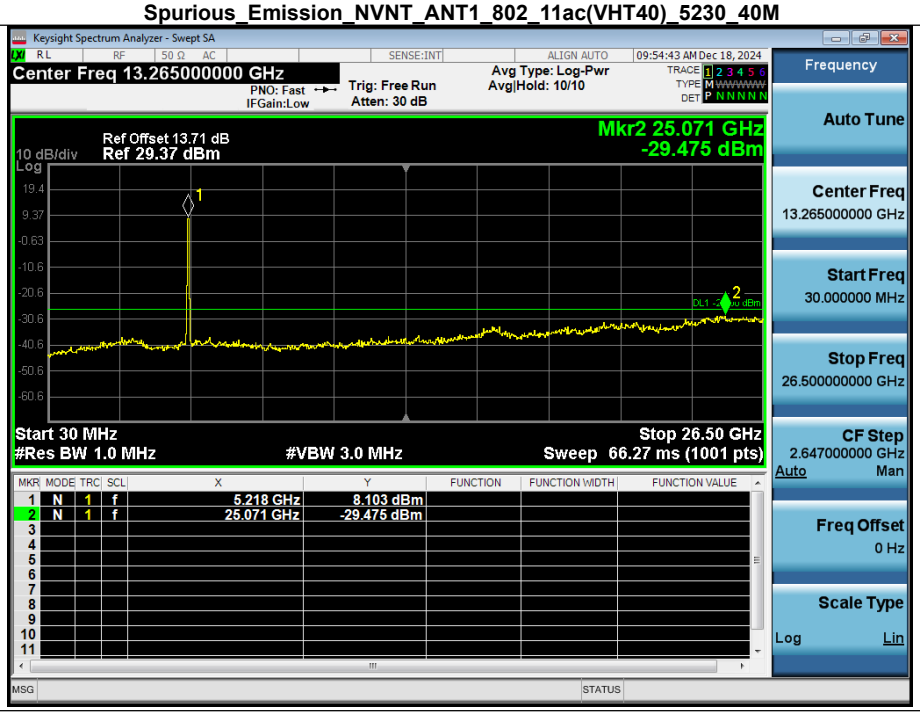
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5230_40M



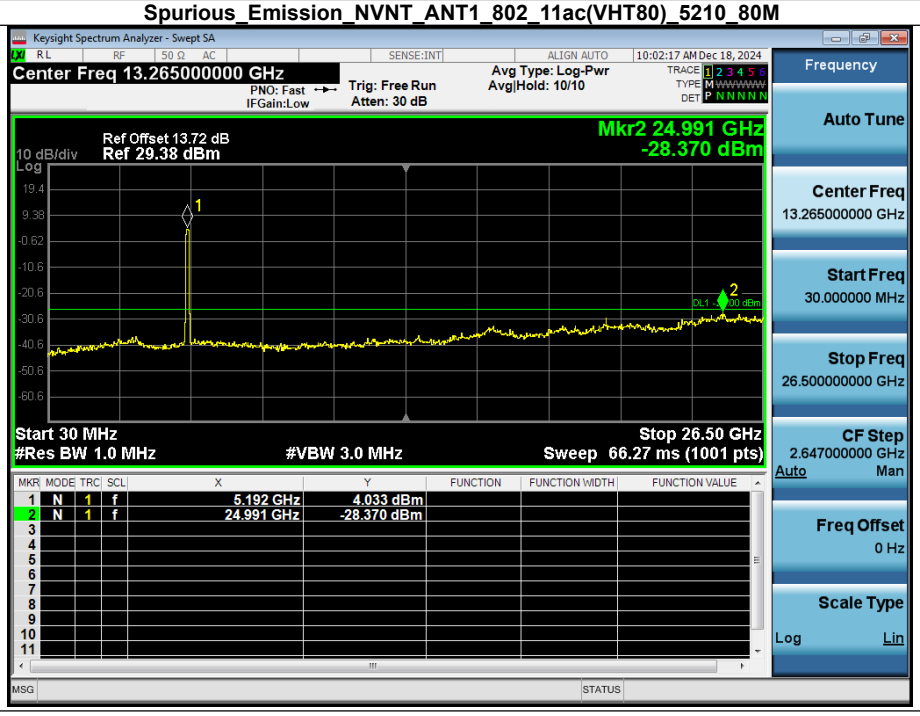
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5230_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5210_80M



7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5180.00	5179.892	5171.428	5188.356	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5180.00	5179.870	5171.640	5188.100	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5180.00	5179.866	5171.732	5188.000	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5179.868	5171.800	5187.936	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5180.00	5179.860	5171.864	5187.856	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5180.00	5179.860	5171.920	5187.800	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5180.00	5179.868	5171.984	5187.752	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5180.00	5179.868	5172.040	5187.696	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5180.00	5179.874	5172.100	5187.648	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5179.870	5172.148	5187.592	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5180.00	5179.872	5172.200	5187.544	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5200.00	5199.888	5191.452	5208.324	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5200.00	5199.864	5191.648	5208.080	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5200.00	5199.866	5191.736	5207.996	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5199.862	5191.804	5207.920	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5200.00	5199.864	5191.872	5207.856	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5200.00	5199.864	5191.928	5207.800	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5200.00	5199.864	5191.988	5207.740	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5200.00	5199.870	5192.040	5207.700	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5200.00	5199.878	5192.100	5207.656	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5199.874	5192.160	5207.588	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5200.00	5199.878	5192.216	5207.540	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5240.00	5239.856	5231.468	5248.244	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5240.00	5239.846	5231.636	5248.056	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5240.00	5239.840	5231.720	5247.960	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5239.828	5231.776	5247.880	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5240.00	5239.836	5231.848	5247.824	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5240.00	5239.826	5231.896	5247.756	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5240.00	5239.828	5231.948	5247.708	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5240.00	5239.822	5231.996	5247.648	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5240.00	5239.814	5232.044	5247.584	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5239.820	5232.088	5247.552	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5240.00	5239.824	5232.140	5247.508	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.864	5170.864	5188.864	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.864	5171.052	5188.676	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.858	5171.136	5188.580	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.862	5171.208	5188.516	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.860	5171.280	5188.440	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.868	5171.344	5188.392	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.864	5171.396	5188.332	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.862	5171.460	5188.264	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5180.00	5179.866	5171.516	5188.216	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.874	5171.572	5188.176	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5180.00	5179.868	5171.624	5188.112	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.872	5190.904	5208.840	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.860	5191.056	5208.664	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.860	5191.148	5208.572	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.864	5191.224	5208.504	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.864	5191.296	5208.432	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.860	5191.352	5208.368	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.868	5191.408	5208.328	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.866	5191.464	5208.268	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5200.00	5199.876	5191.520	5208.232	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5199.872	5191.564	5208.180	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5200.00	5199.868	5191.612	5208.124	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.836	5230.900	5248.772	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.838	5231.044	5248.632	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.838	5231.128	5248.548	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.830	5231.192	5248.468	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.842	5231.268	5248.416	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.828	5231.320	5248.336	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.818	5231.372	5248.264	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.826	5231.424	5248.228	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5240.00	5239.810	5231.472	5248.148	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.830	5231.524	5248.136	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5240.00	5239.826	5231.568	5248.084	5150~5250	Pass

55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.888	5170.876	5188.900	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.864	5171.052	5188.676	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.864	5171.144	5188.584	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.866	5171.224	5188.508	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.870	5171.296	5188.444	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.874	5171.356	5188.392	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.868	5171.412	5188.324	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.870	5171.480	5188.260	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5180.00	5179.864	5171.532	5188.196	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5179.874	5171.592	5188.156	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5180.00	5179.874	5171.652	5188.096	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.864	5190.872	5208.856	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.850	5191.044	5208.656	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.860	5191.140	5208.580	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.860	5191.212	5208.508	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.852	5191.280	5208.424	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.866	5191.340	5208.392	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.864	5191.404	5208.324	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.874	5191.472	5208.276	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5200.00	5199.876	5191.540	5208.212	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5199.892	5191.616	5208.168	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5200.00	5199.902	5191.672	5208.132	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.850	5230.900	5248.800	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.838	5231.052	5248.624	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.840	5231.136	5248.544	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.832	5231.204	5248.460	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.836	5231.268	5248.404	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.834	5231.328	5248.340	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.824	5231.384	5248.264	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.834	5231.448	5248.220	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5240.00	5239.832	5231.496	5248.168	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.820	5231.540	5248.100	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5240.00	5239.798	5231.588	5248.008	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.904	5171.648	5208.160	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.916	5171.888	5207.944	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.888	5172.032	5207.744	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.872	5172.192	5207.552	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.888	5172.336	5207.440	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.872	5172.448	5207.296	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.908	5172.584	5207.232	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.884	5172.736	5207.032	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5190.00	5189.916	5172.888	5206.944	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5189.908	5173.064	5206.752	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5190.00	5189.920	5173.208	5206.632	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.860	5211.640	5248.080	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.844	5211.832	5247.856	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.852	5212.032	5247.672	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.824	5212.176	5247.472	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.852	5212.328	5247.376	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.836	5212.472	5247.200	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.868	5212.632	5247.104	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.808	5212.784	5246.832	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5230.00	5229.812	5212.936	5246.688	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5229.828	5213.080	5246.576	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5230.00	5229.840	5213.208	5246.472	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.916	5171.640	5208.192	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.892	5171.856	5207.928	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.904	5172.032	5207.776	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.924	5172.200	5207.648	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.908	5172.344	5207.472	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.900	5172.496	5207.304	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.940	5172.624	5207.256	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.908	5172.776	5207.040	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5190.00	5189.904	5172.928	5206.880	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5189.944	5173.088	5206.800	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5190.00	5189.932	5173.232	5206.632	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.880	5211.664	5248.096	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.860	5211.864	5247.856	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.864	5212.048	5247.680	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.864	5212.200	5247.528	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.836	5212.320	5247.352	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.804	5212.416	5247.192	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.796	5212.528	5247.064	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.760	5212.616	5246.904	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5230.00	5229.804	5212.768	5246.840	5150~5250	Pass

25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5229.800	5212.904	5246.696	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5230.00	5229.792	5213.048	5246.536	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.874	5172.056	5247.692	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.874	5172.476	5247.272	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.790	5172.896	5246.684	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.796	5173.256	5246.336	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.694	5173.652	5245.736	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.742	5174.012	5245.472	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.586	5174.468	5244.704	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.652	5174.840	5244.464	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT80)	5210.00	5209.676	5175.104	5244.248	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5209.628	5175.380	5243.876	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT80)	5210.00	5209.634	5175.632	5243.636	5150~5250	Pass