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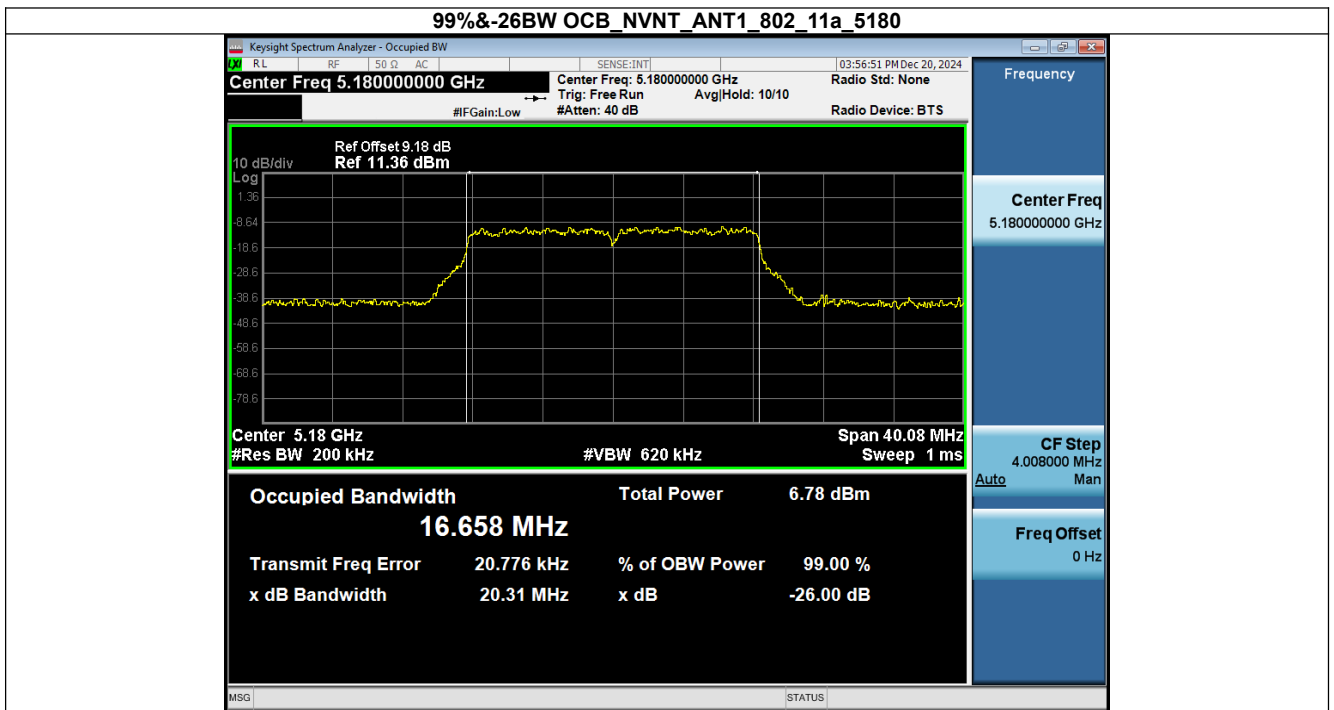
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FCC ID:2BBGK-CP8

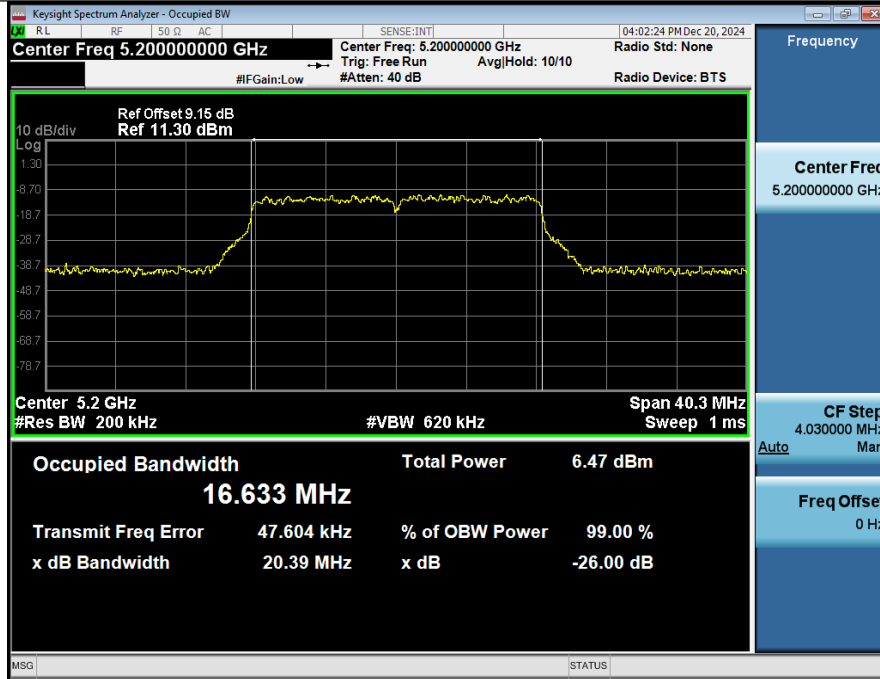
FCC_5.2G_WIFI (Part15.407) Test Data

1. -26dB and 99% Emission Bandwidth

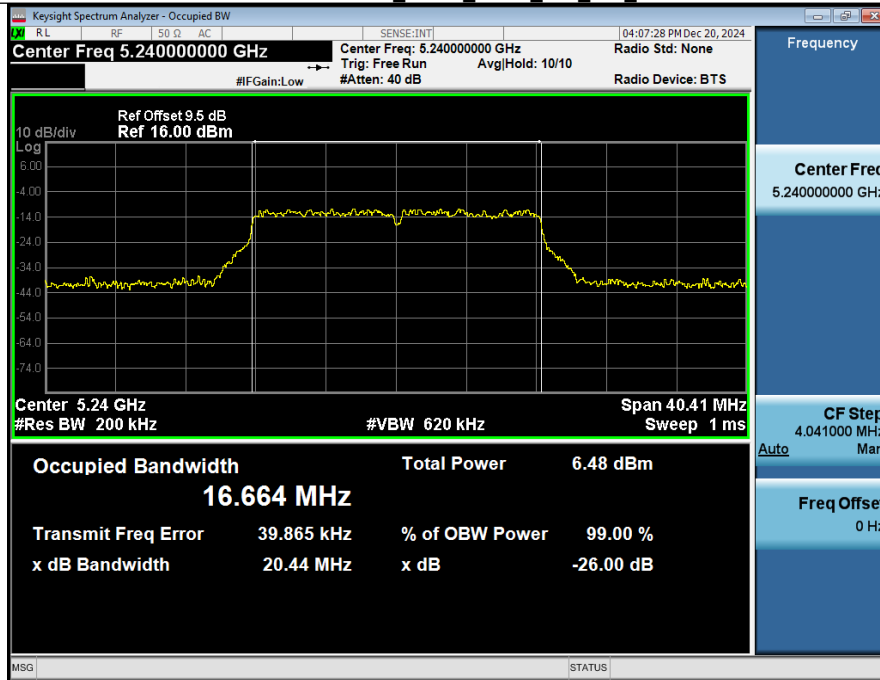
Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	20.31	16.658
NVNT	ANT1	802.11a	5200.00	20.39	16.633
NVNT	ANT1	802.11a	5240.00	20.44	16.664
NVNT	ANT1	802.11n(HT20)	5180.00	20.57	17.847
NVNT	ANT1	802.11n(HT20)	5200.00	20.58	17.806
NVNT	ANT1	802.11n(HT20)	5240.00	21.48	17.851
NVNT	ANT1	802.11n(HT40)	5190.00	58.81	36.533
NVNT	ANT1	802.11n(HT40)	5230.00	40.78	36.477



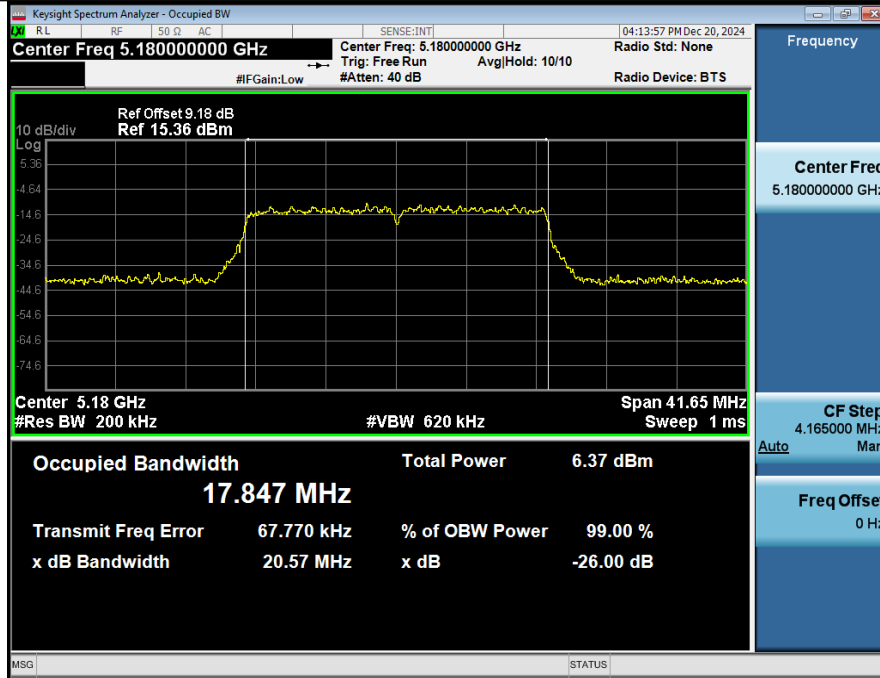
99%&-26BW OCB NVNT_ANT1_802_11a_5200



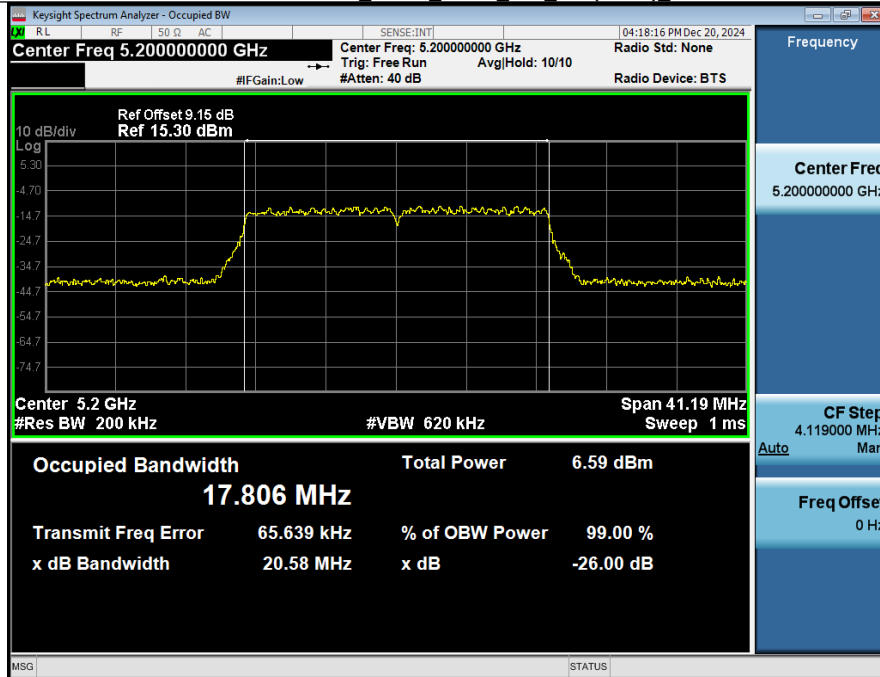
99%&-26BW OCB NVNT_ANT1_802_11a_5240



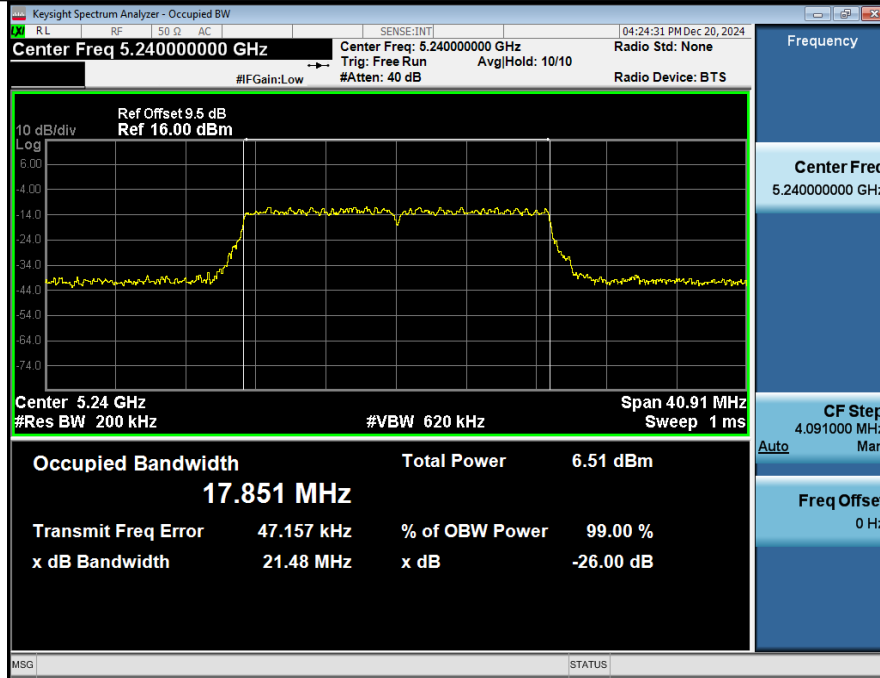
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5180



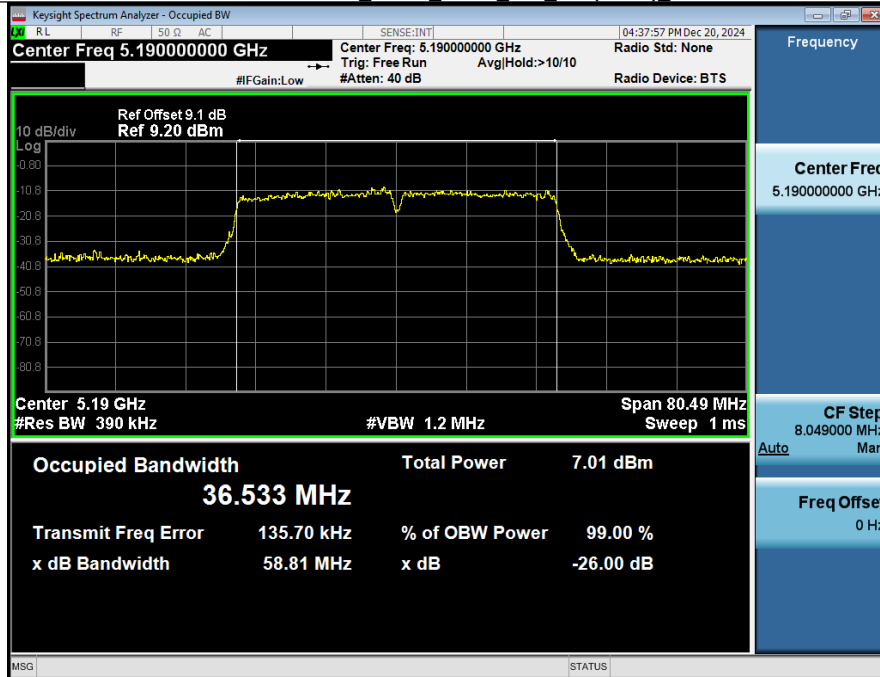
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5200



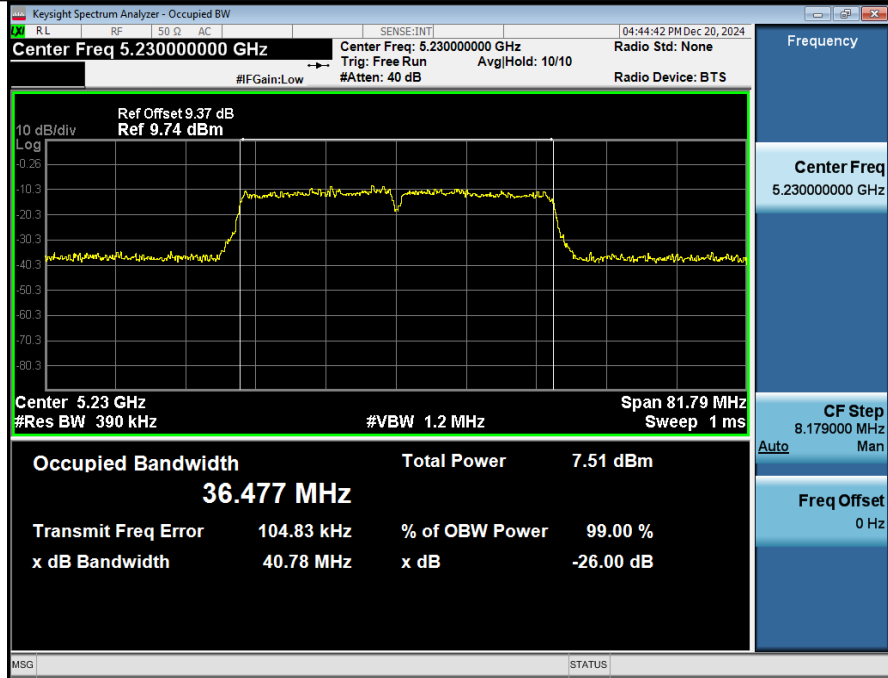
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5240



99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5190

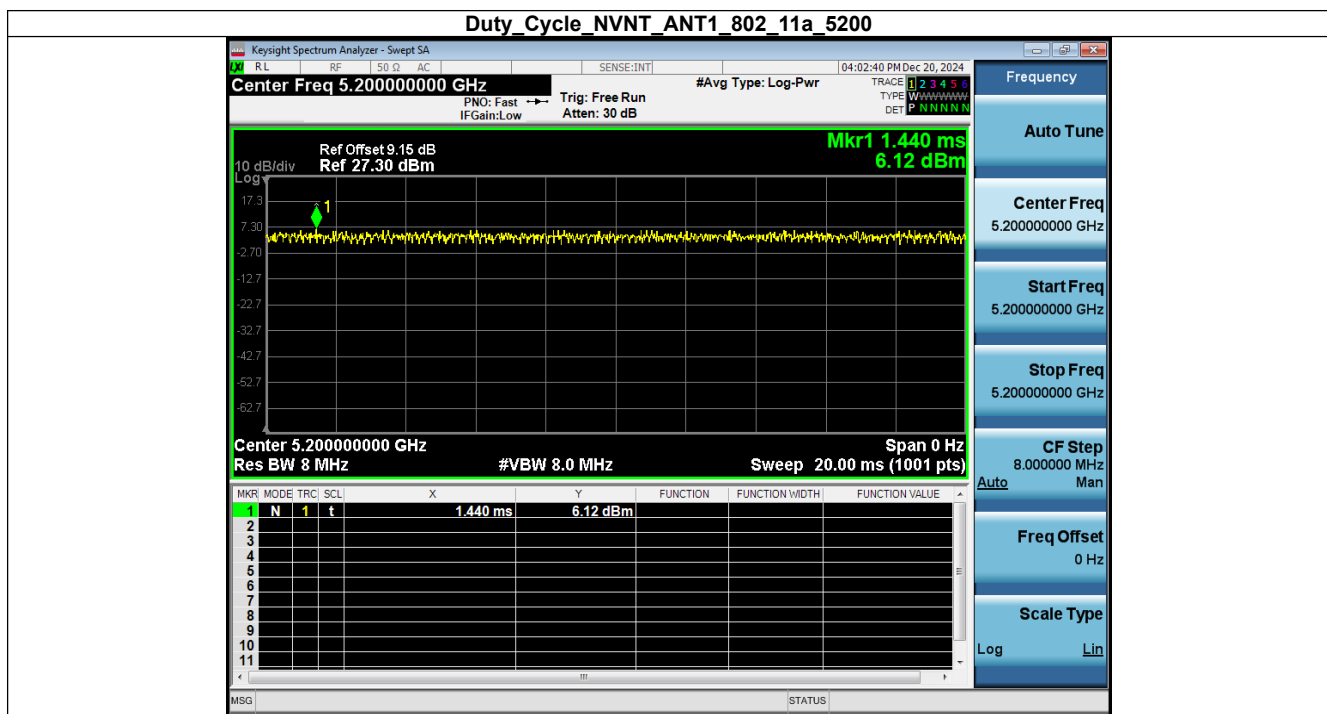
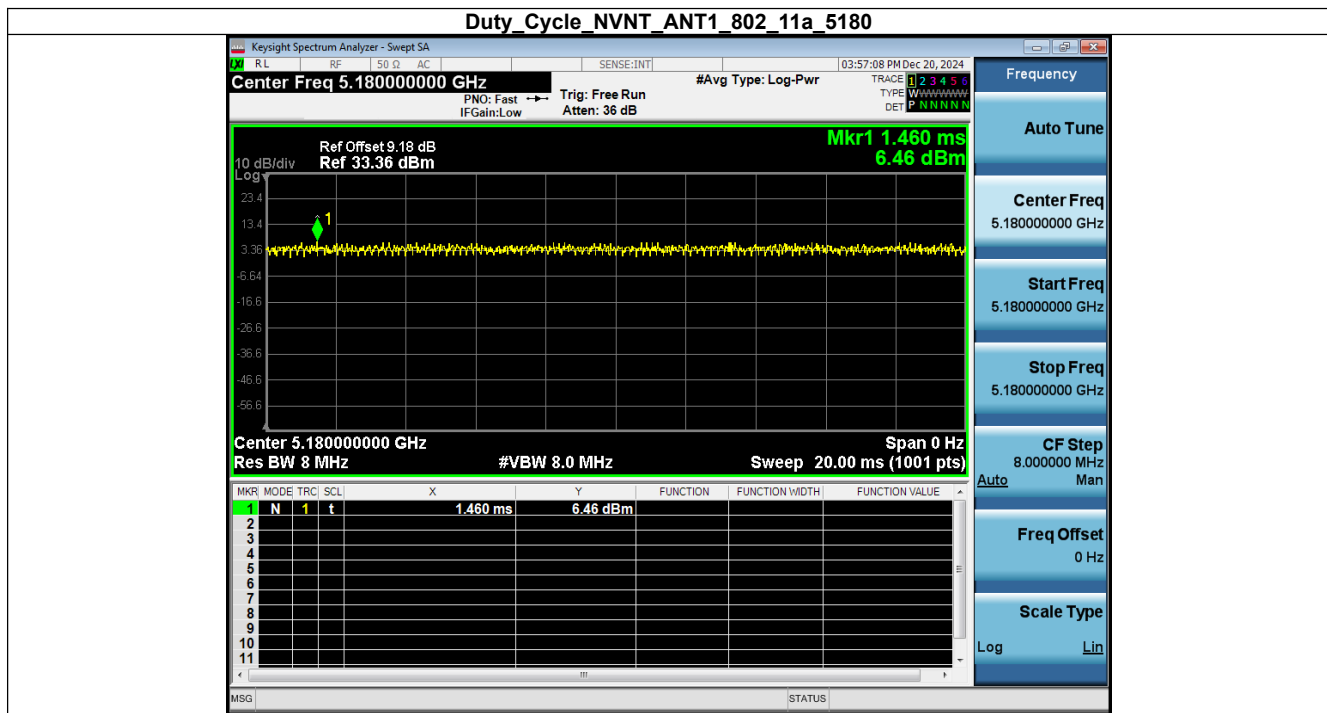


99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5230

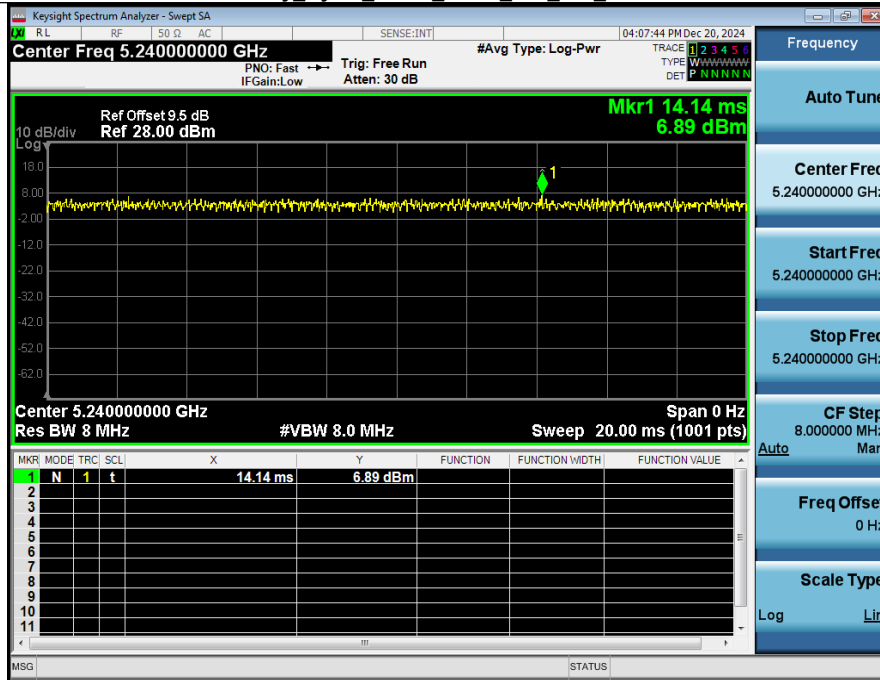


2. Duty Cycle

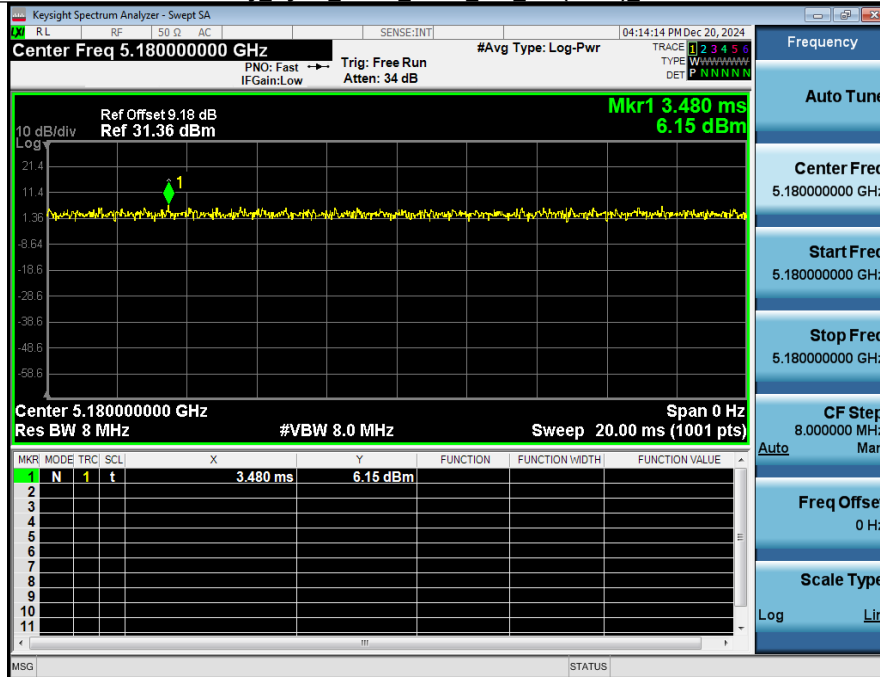
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	100	0.00
NVNT	ANT1	802.11a	5200.00	100	0.00
NVNT	ANT1	802.11a	5240.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5180.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5200.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5240.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5190.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5230.00	100	0.00



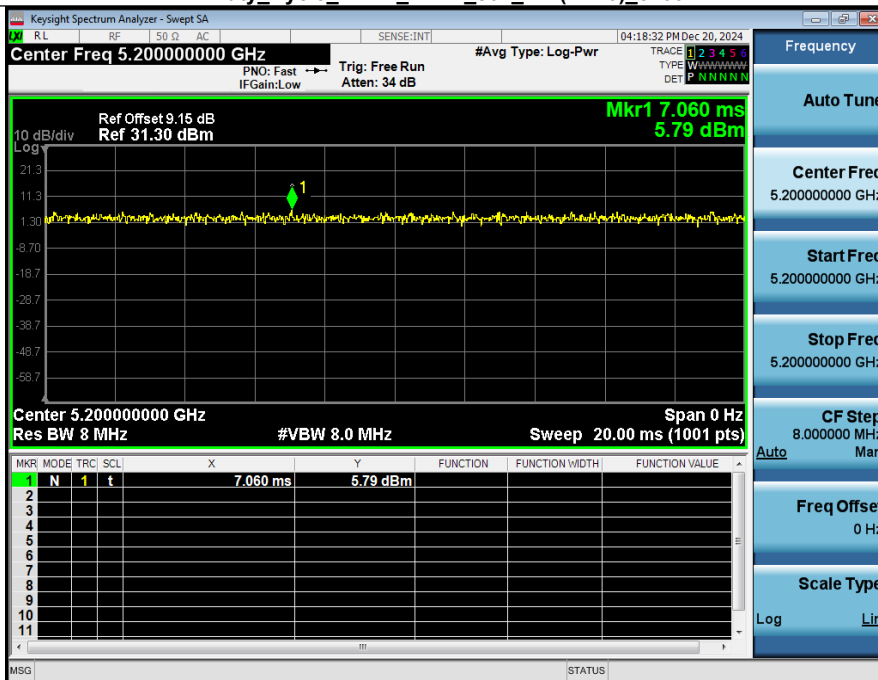
Duty Cycle NVNT_ANT1_802_11a_5240



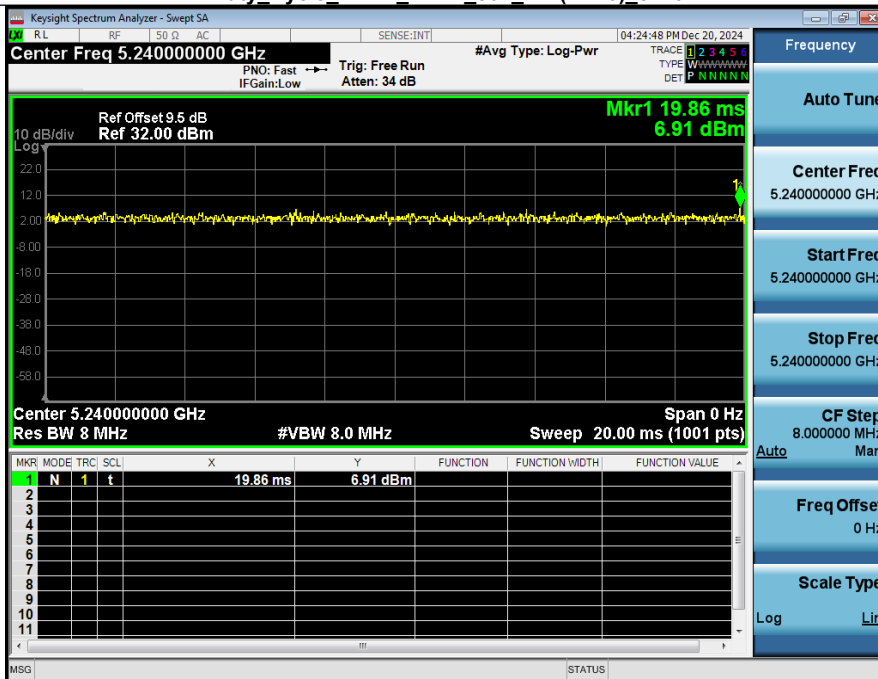
Duty Cycle NVNT_ANT1_802_11n(HT20)_5180



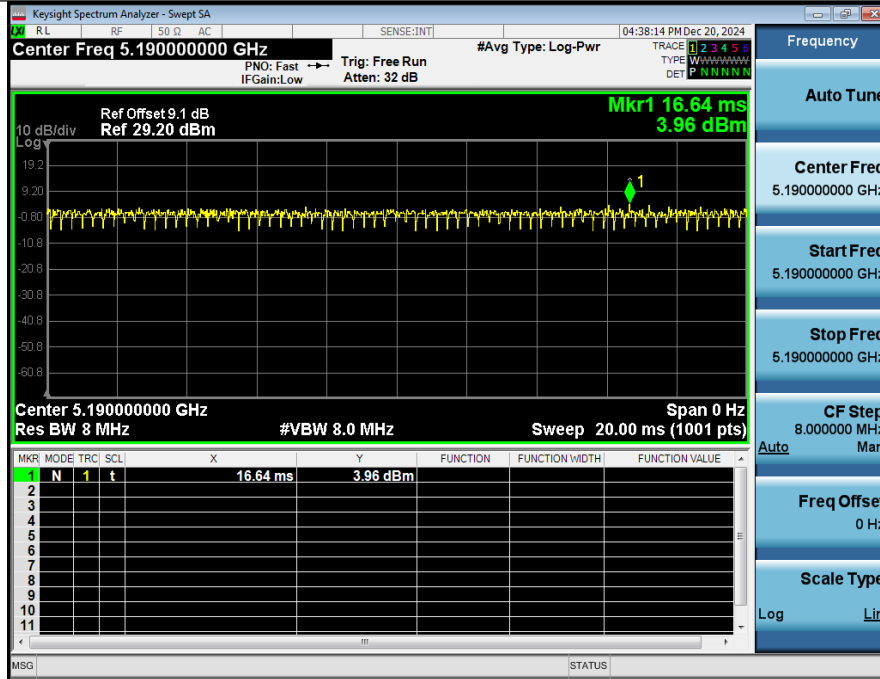
Duty Cycle NVNT_ANT1_802_11n(HT20)_5200



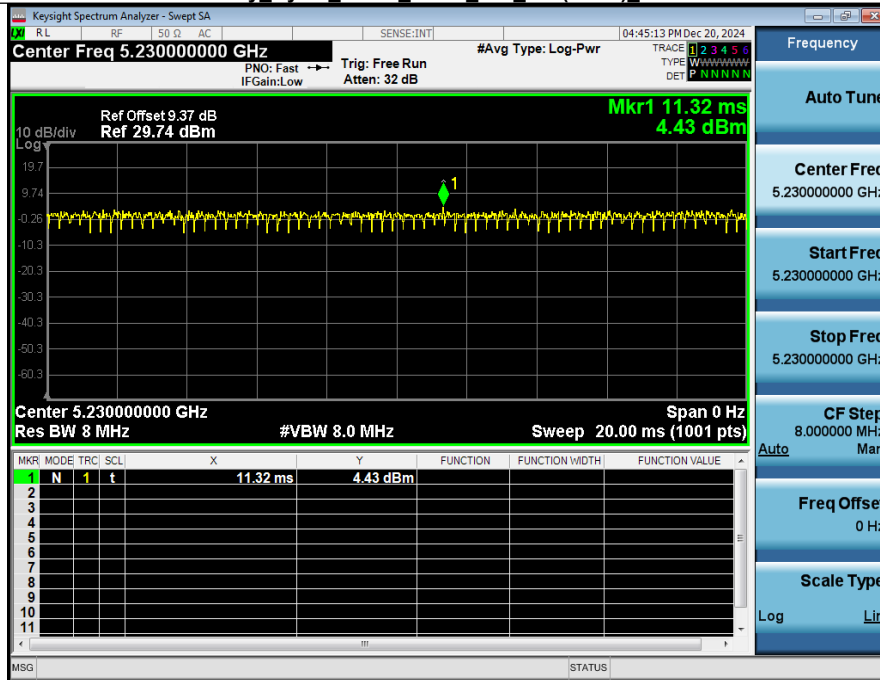
Duty Cycle NVNT_ANT1_802_11n(HT20)_5240



Duty Cycle NVNT_ANT1_802_11n(HT40)_5190

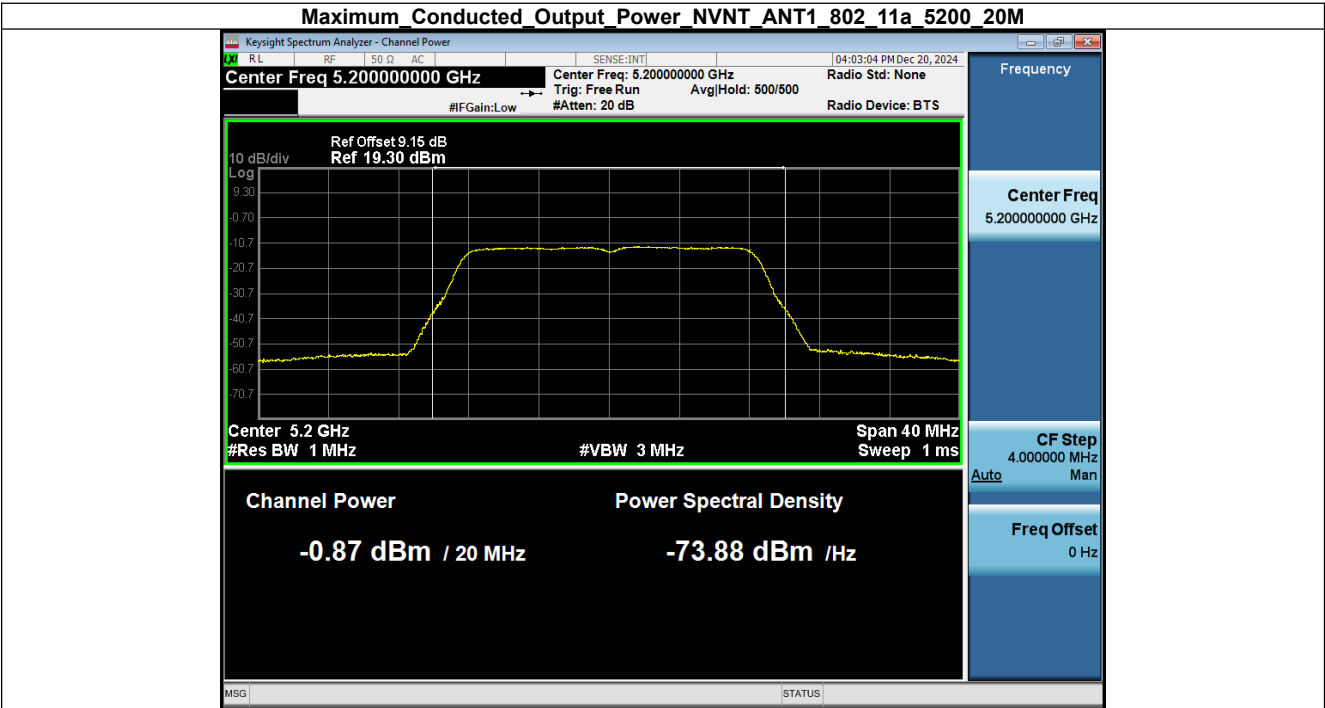
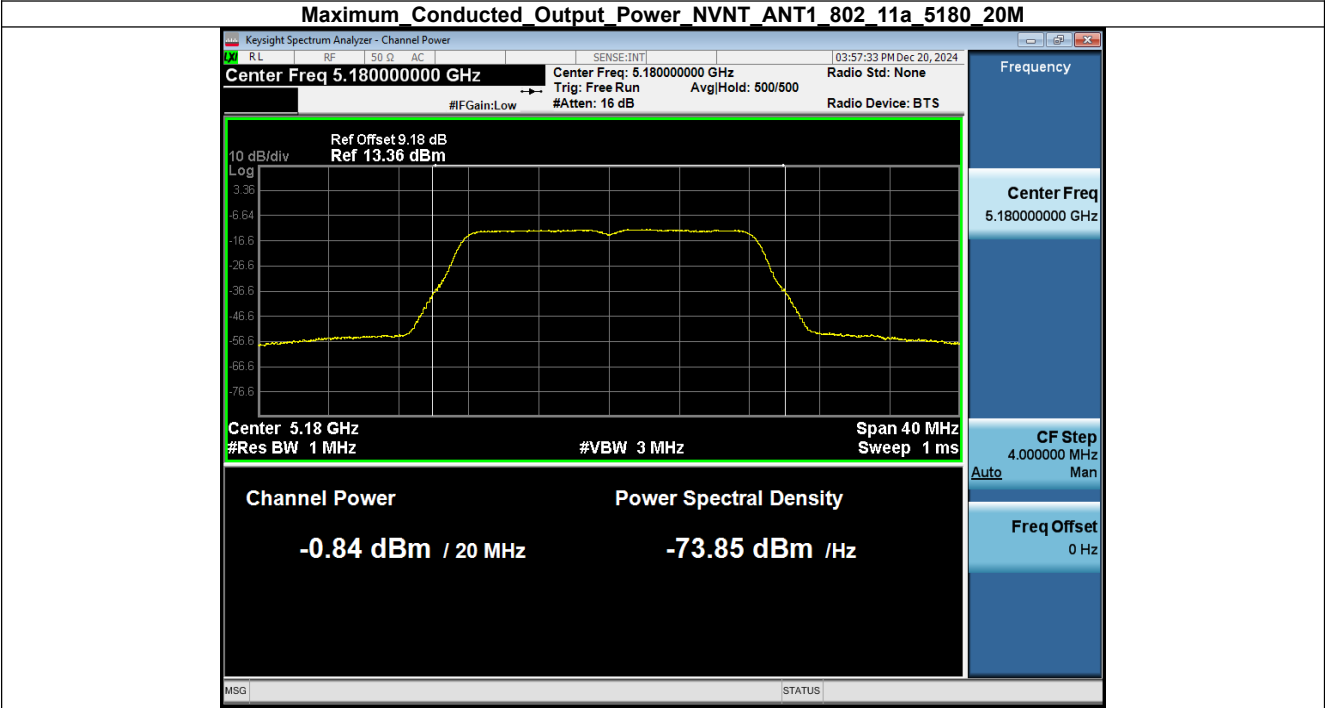


Duty Cycle NVNT_ANT1_802_11n(HT40)_5230

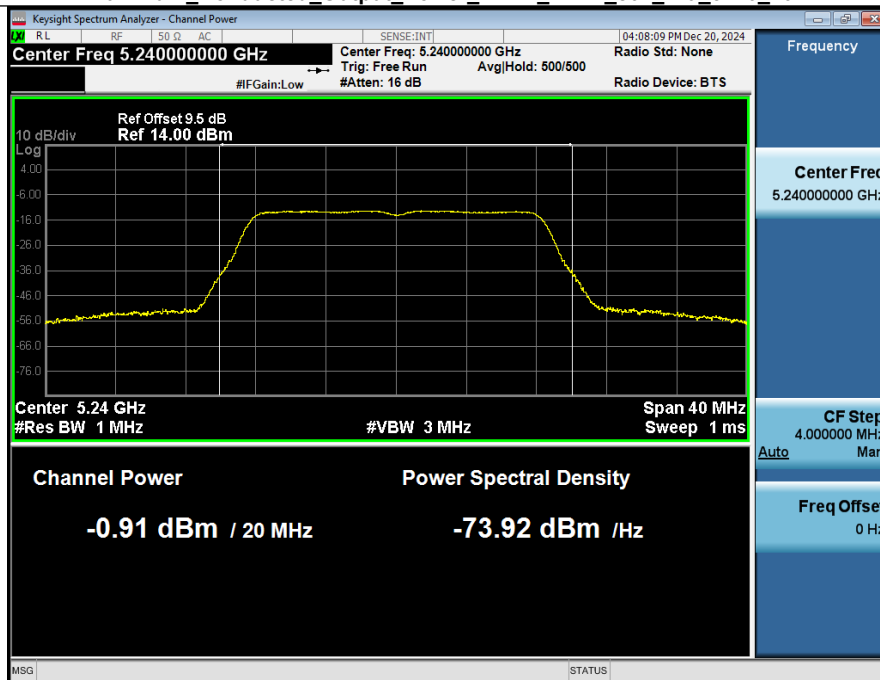


3. Maximum Conducted Output Power

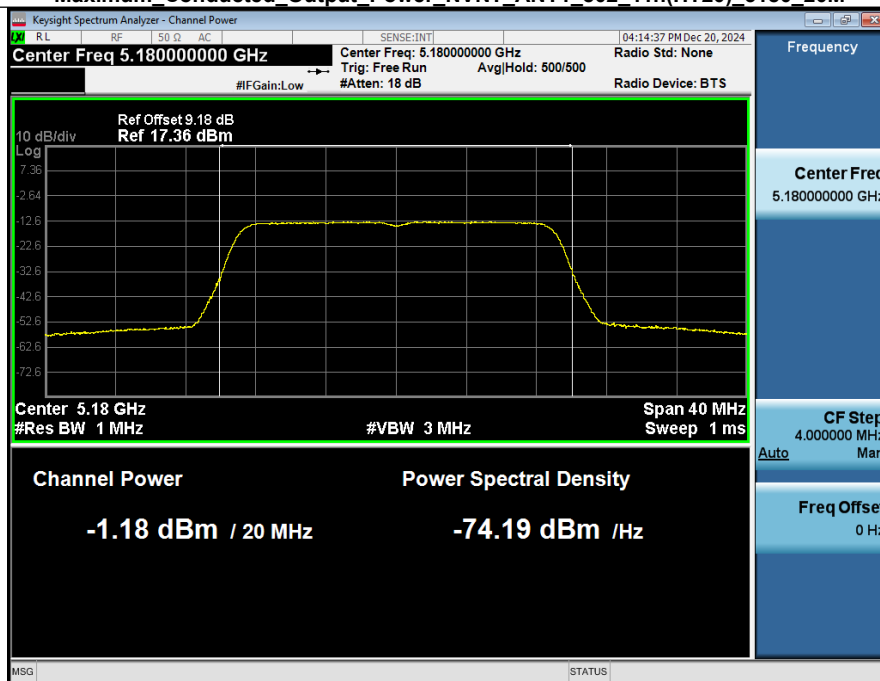
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-0.84	0.00	-0.84	24	Pass
NVNT	ANT1	802.11a	5200.00	-0.87	0.00	-0.87	24	Pass
NVNT	ANT1	802.11a	5240.00	-0.91	0.00	-0.91	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-1.18	0.00	-1.18	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-0.74	0.00	-0.74	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-0.69	0.00	-0.69	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-0.31	0.00	-0.31	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-0.19	0.00	-0.19	24	Pass



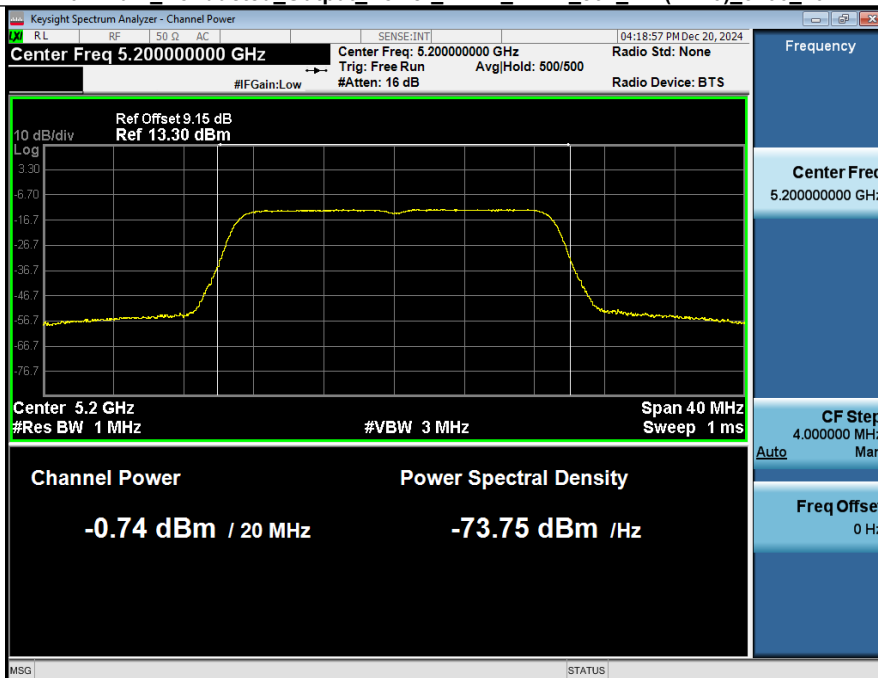
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5240_20M



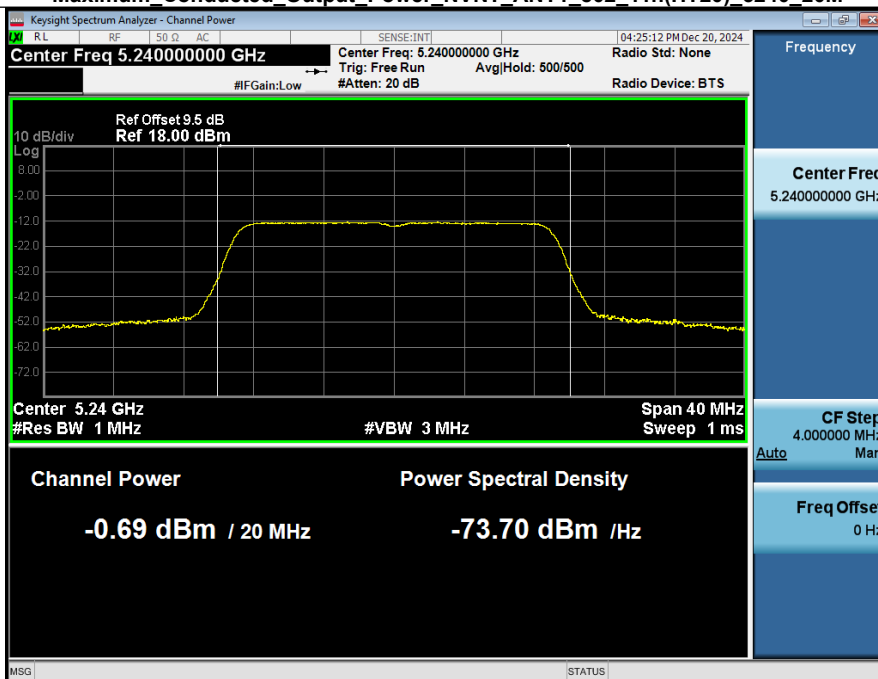
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5180_20M



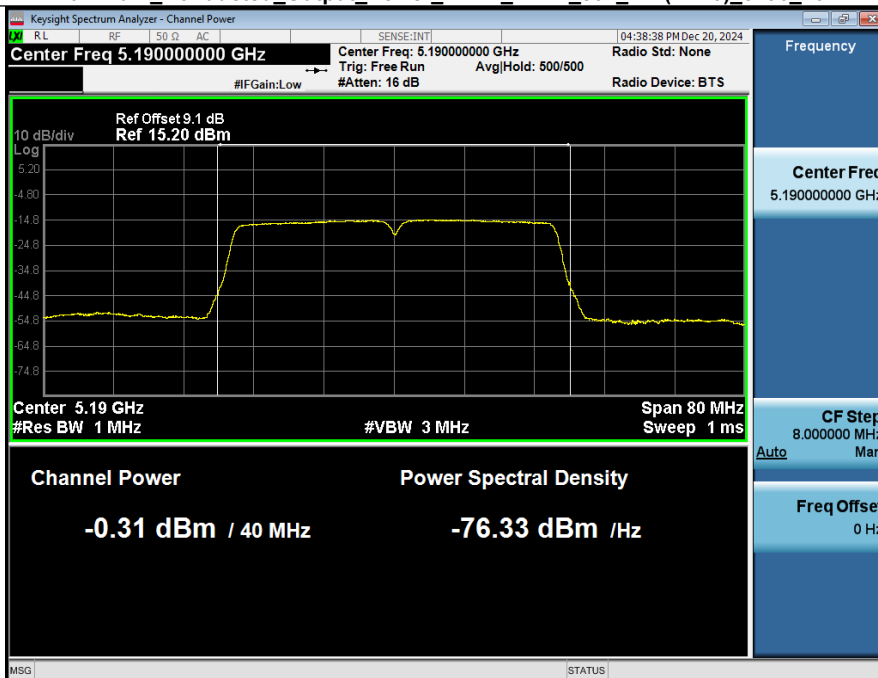
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5200_20M



Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5240_20M



Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT40)_5190_40M

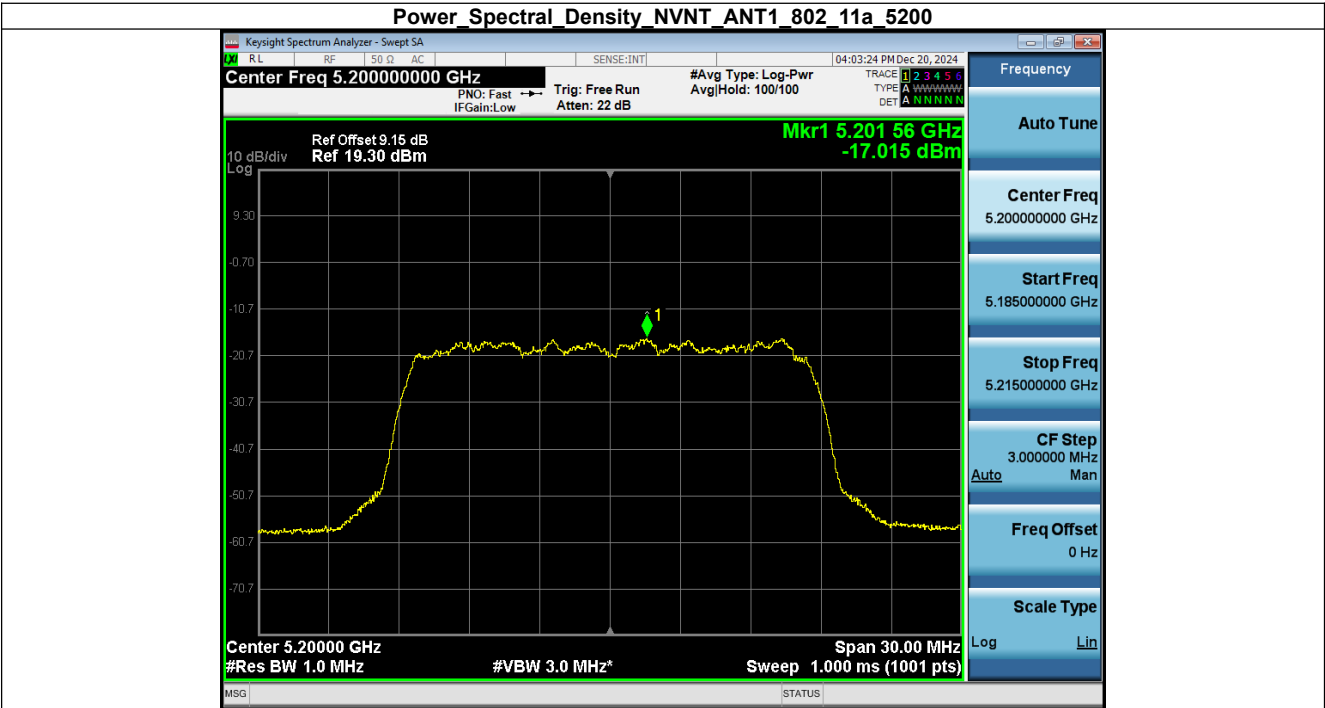
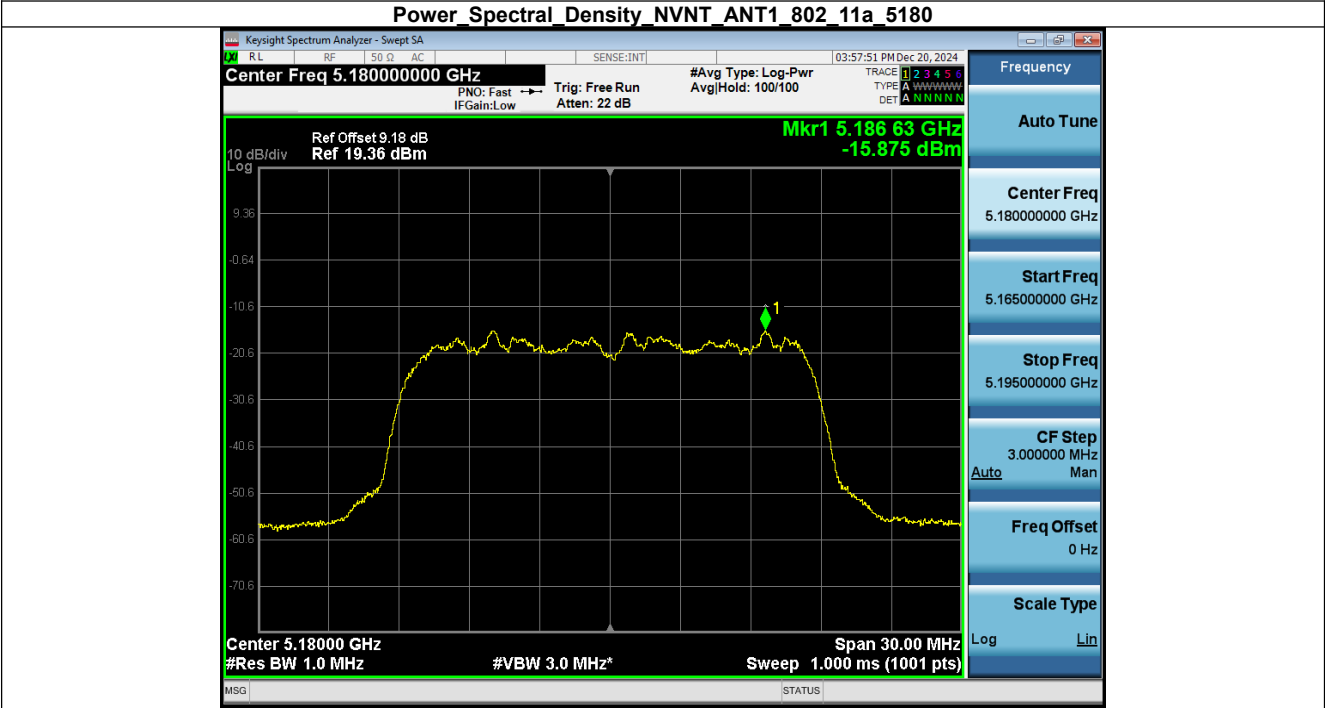


Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT40)_5230_40M

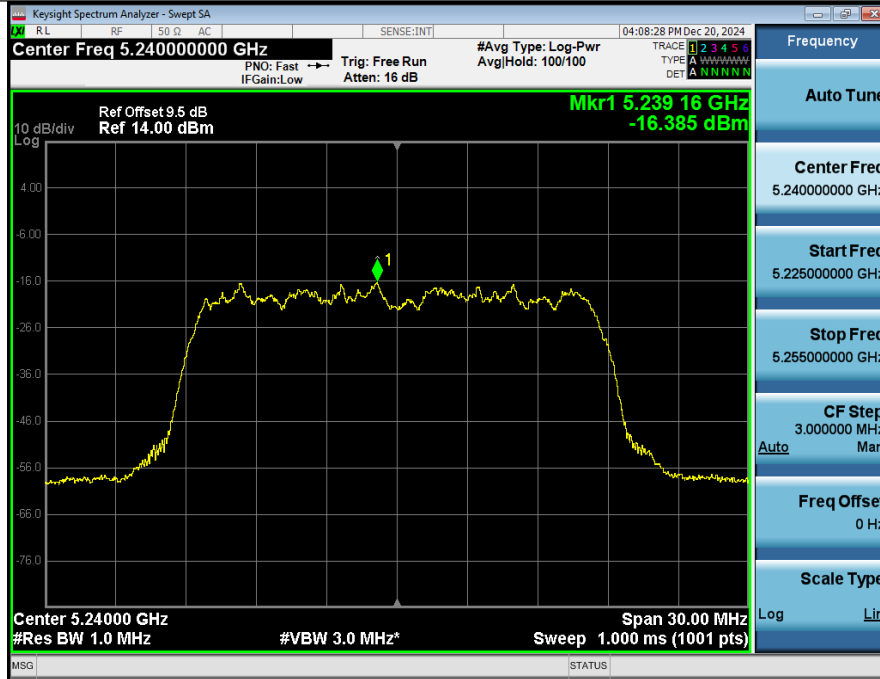


4. Power Spectral Density

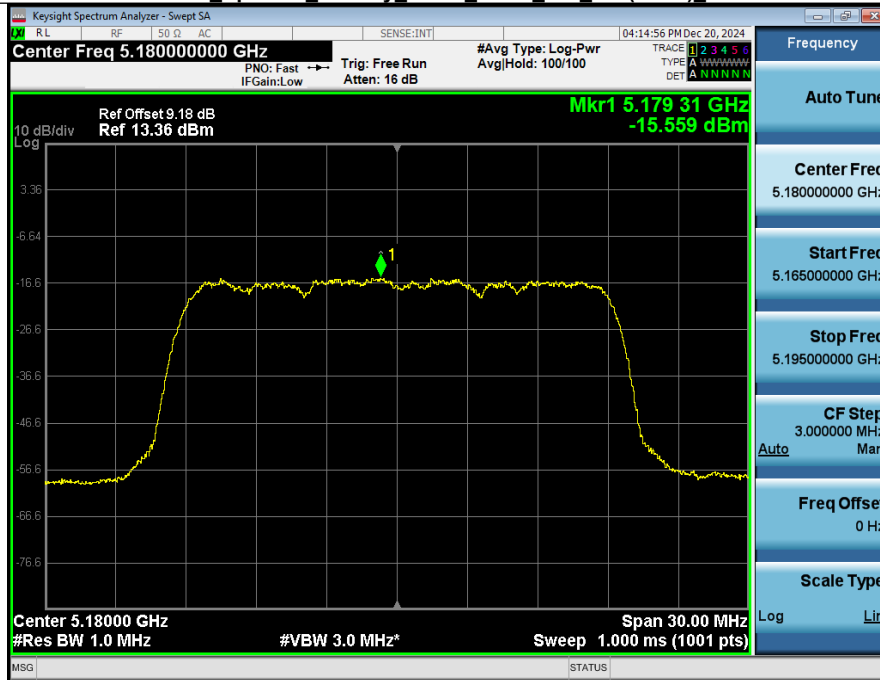
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-15.88	0.00	-15.88	11	Pass
NVNT	ANT1	802.11a	5200.00	-17.02	0.00	-17.02	11	Pass
NVNT	ANT1	802.11a	5240.00	-16.39	0.00	-16.39	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-15.56	0.00	-15.56	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-15.26	0.00	-15.26	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-14.90	0.00	-14.90	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-18.51	0.00	-18.51	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-18.75	0.00	-18.75	11	Pass



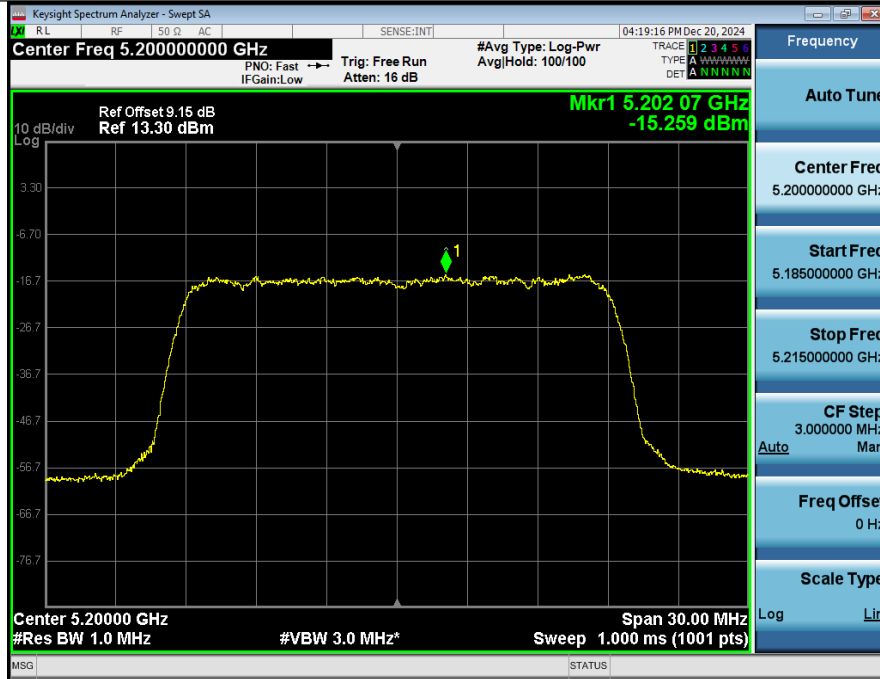
Power Spectral Density_NVNT_ANT1_802_11a_5240



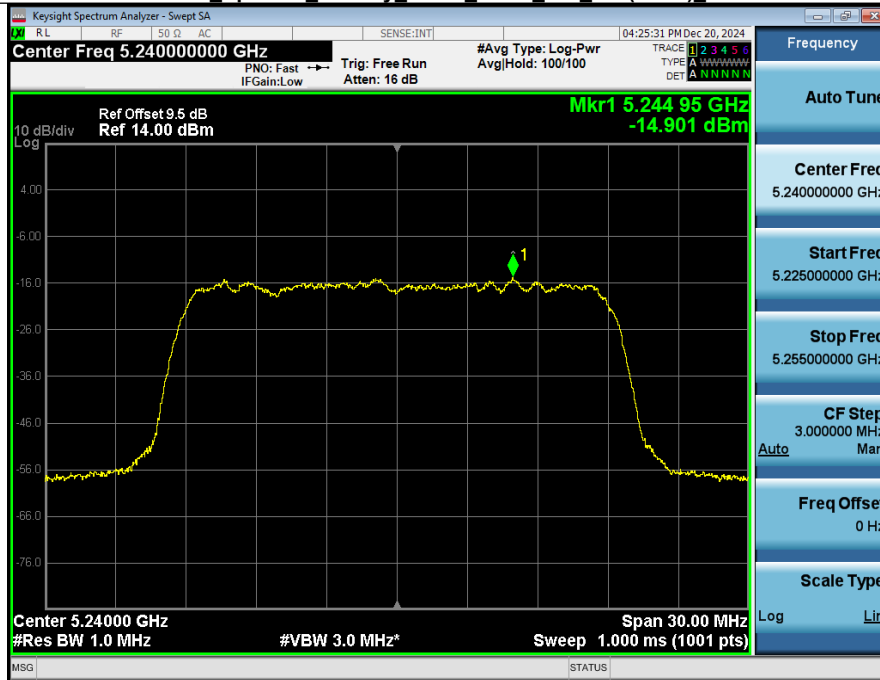
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5180



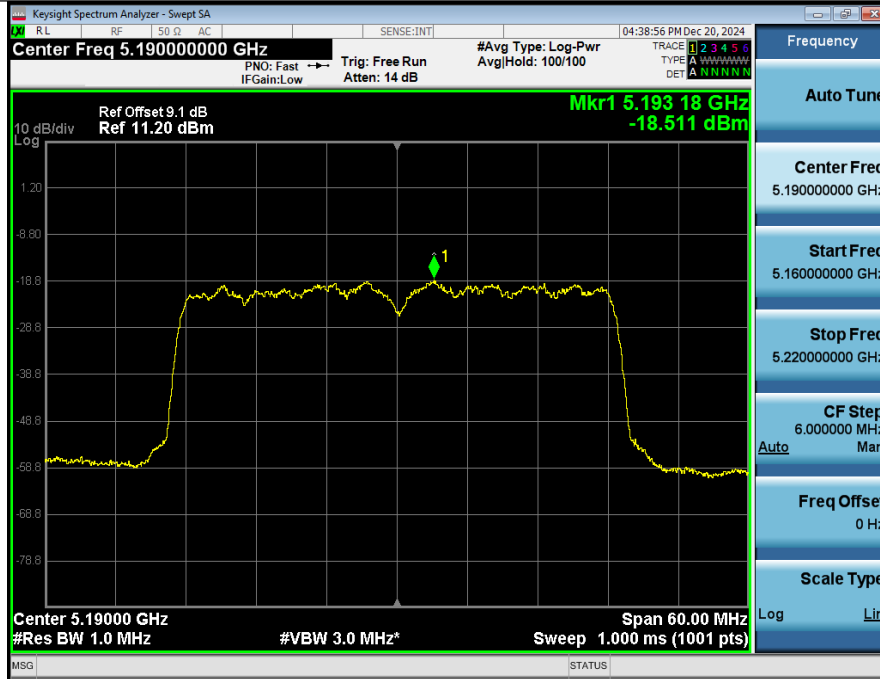
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5200



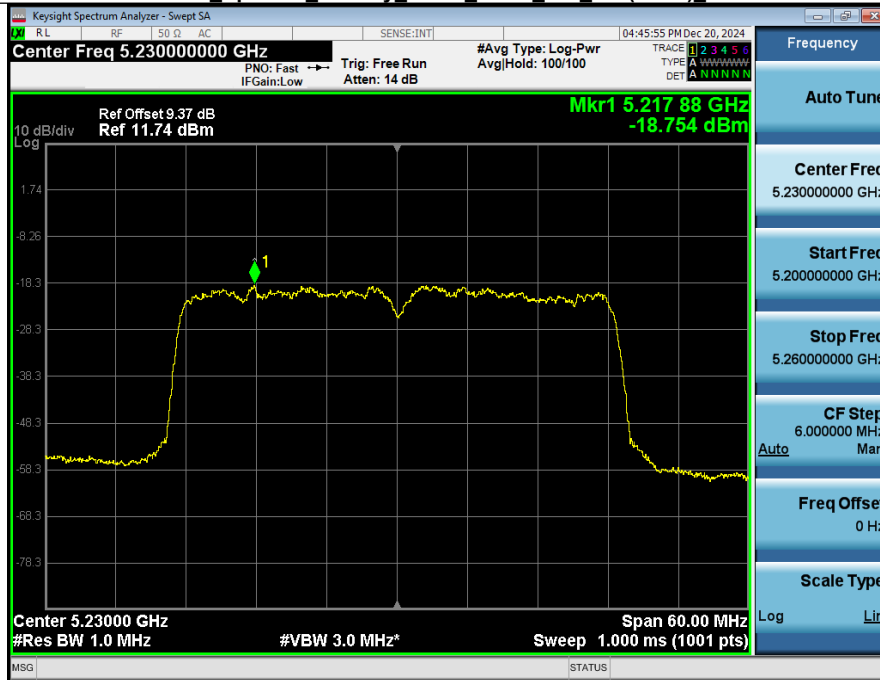
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5240



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5190



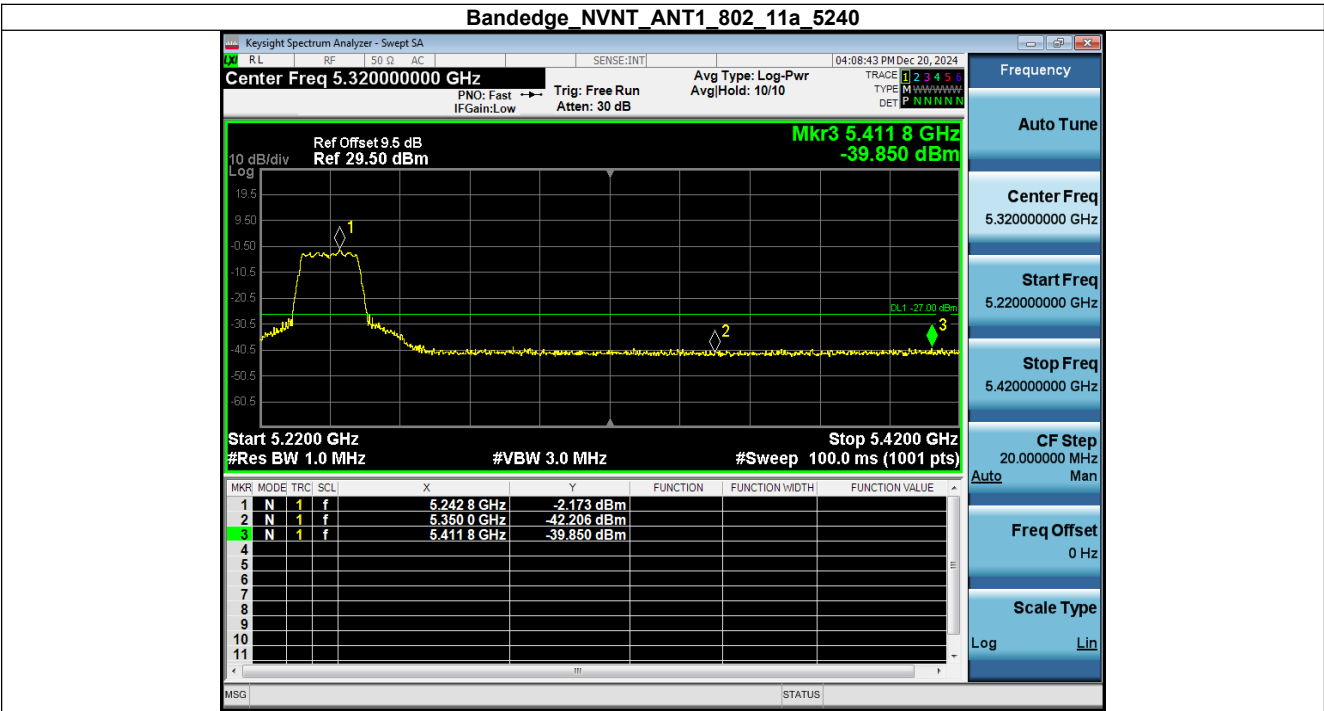
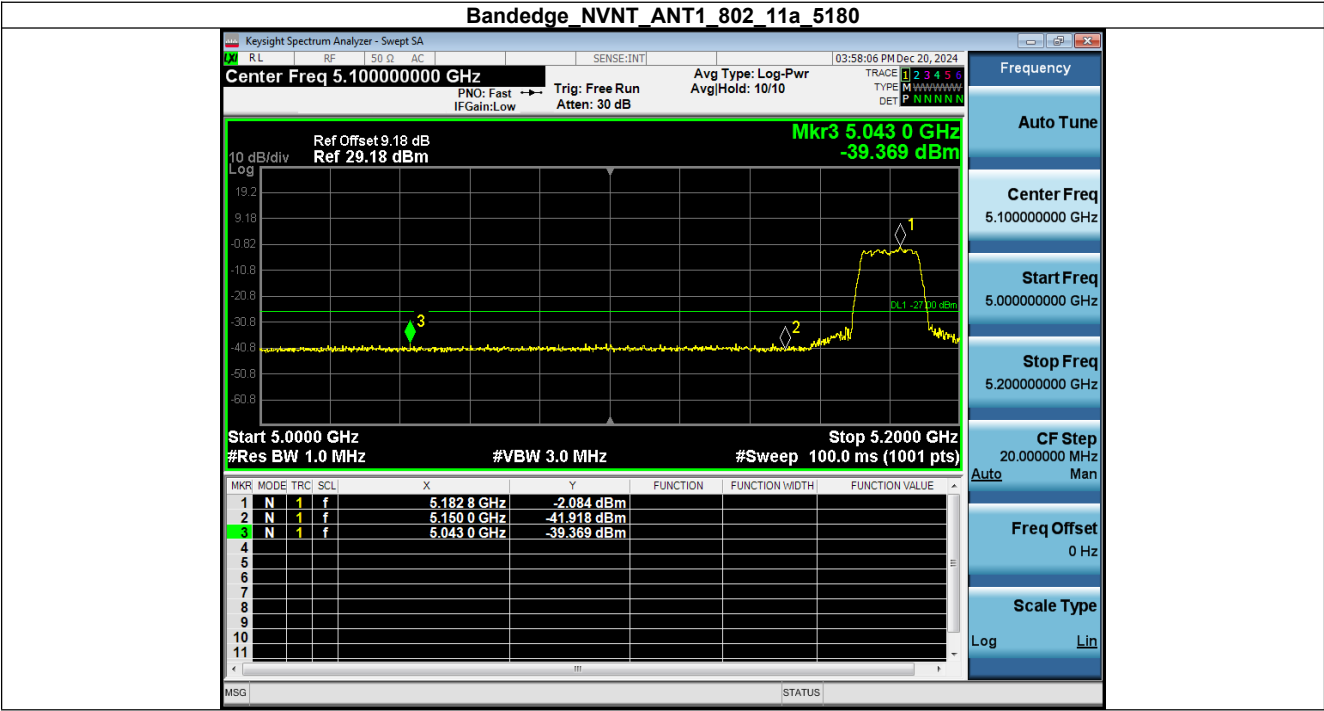
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5230



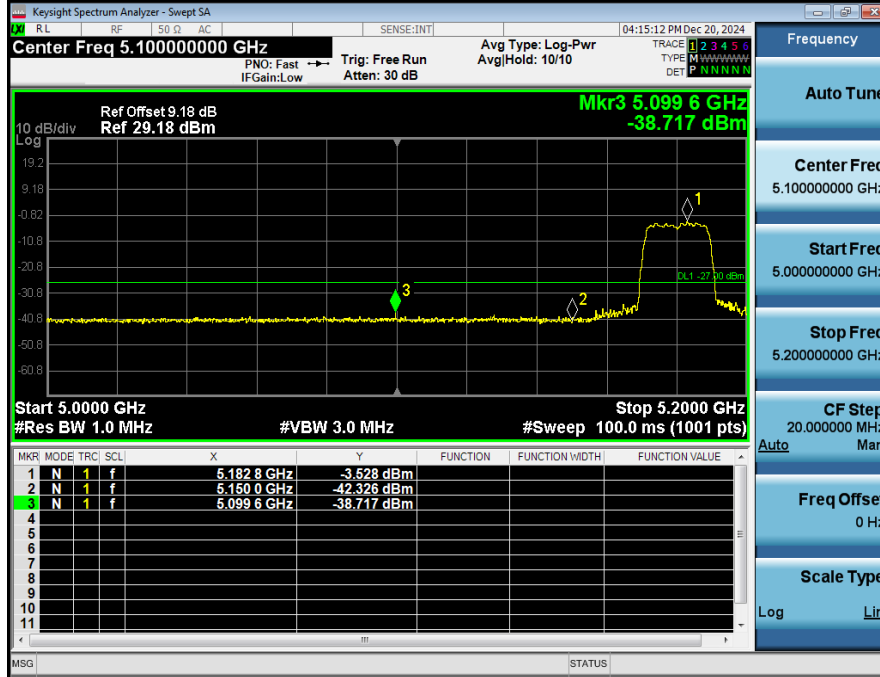
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5043.00	-39.37	-27	Pass
NVNT	ANT1	802.11a	5240.00	5411.80	-39.85	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5099.60	-38.72	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5377.20	-39.66	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5146.16	-36.64	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5364.14	-39.91	-27	Pass

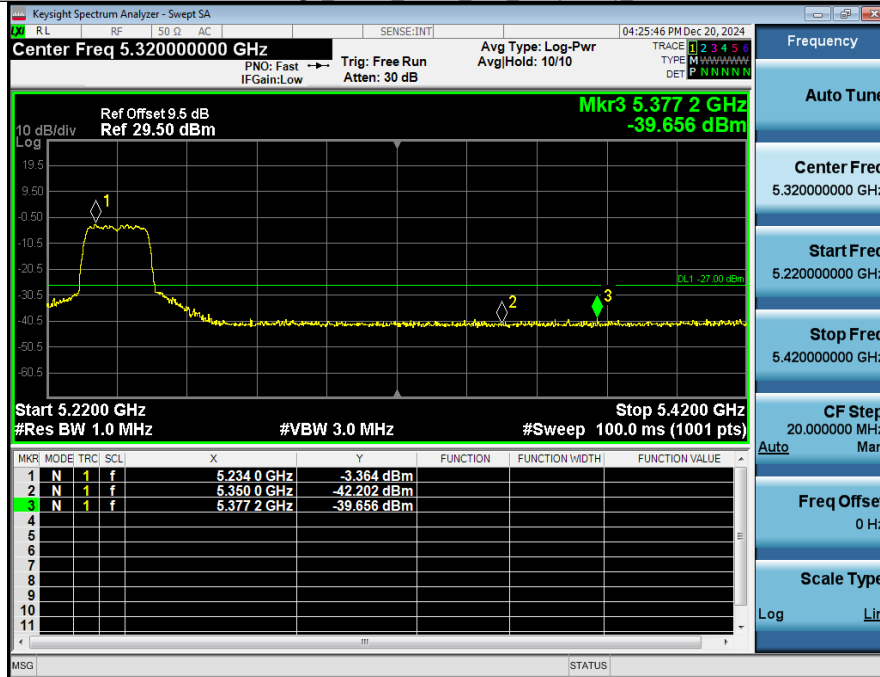
Note:The test diagram has integrated antenna gain to Offset Settings.



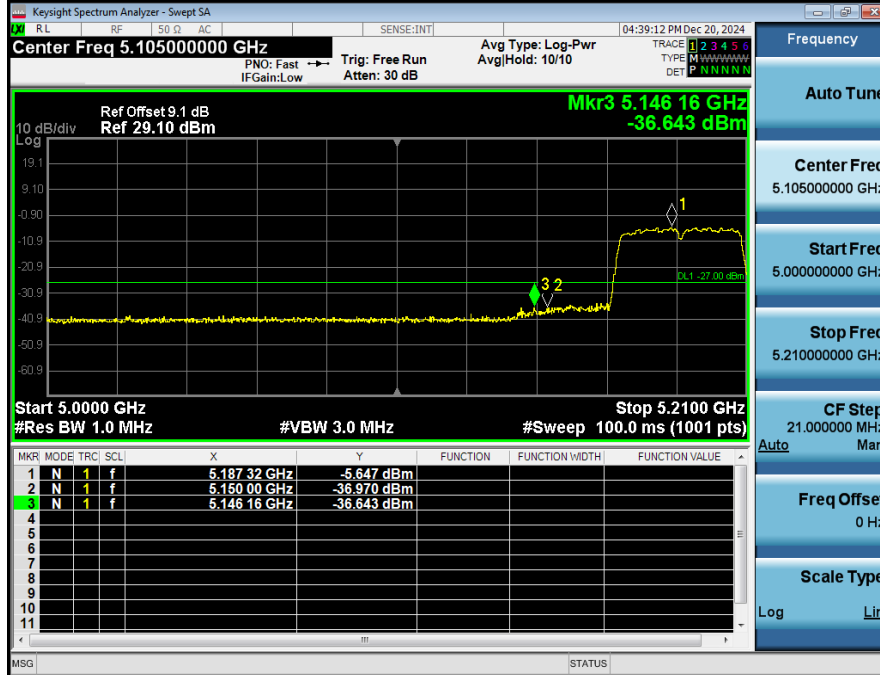
Bandedge_NVNT_ANT1_802_11n(HT20)_5180



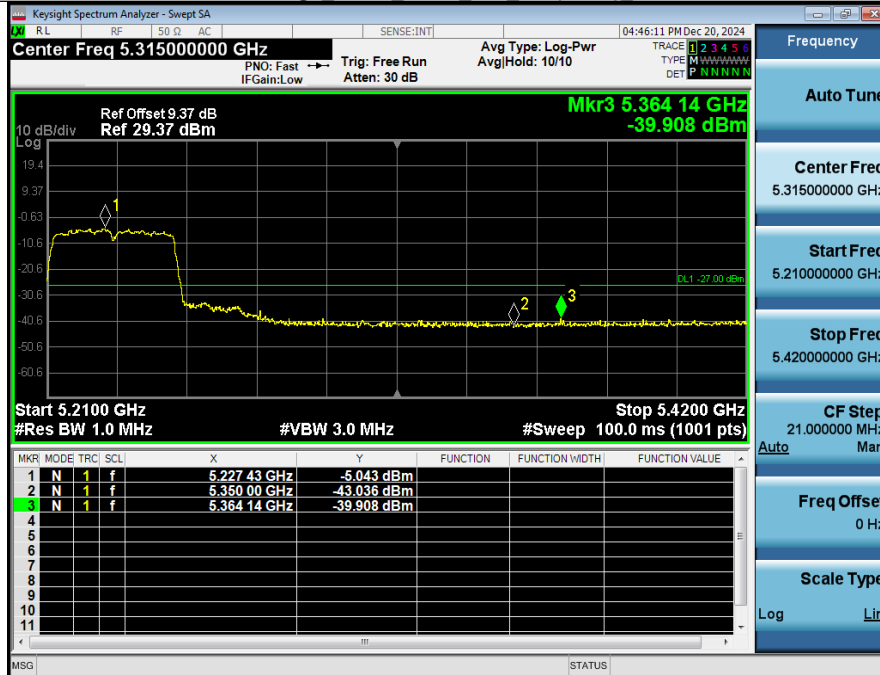
Bandedge_NVNT_ANT1_802_11n(HT20)_5240



Bandedge_NVNT_ANT1_802_11n(HT40)_5190



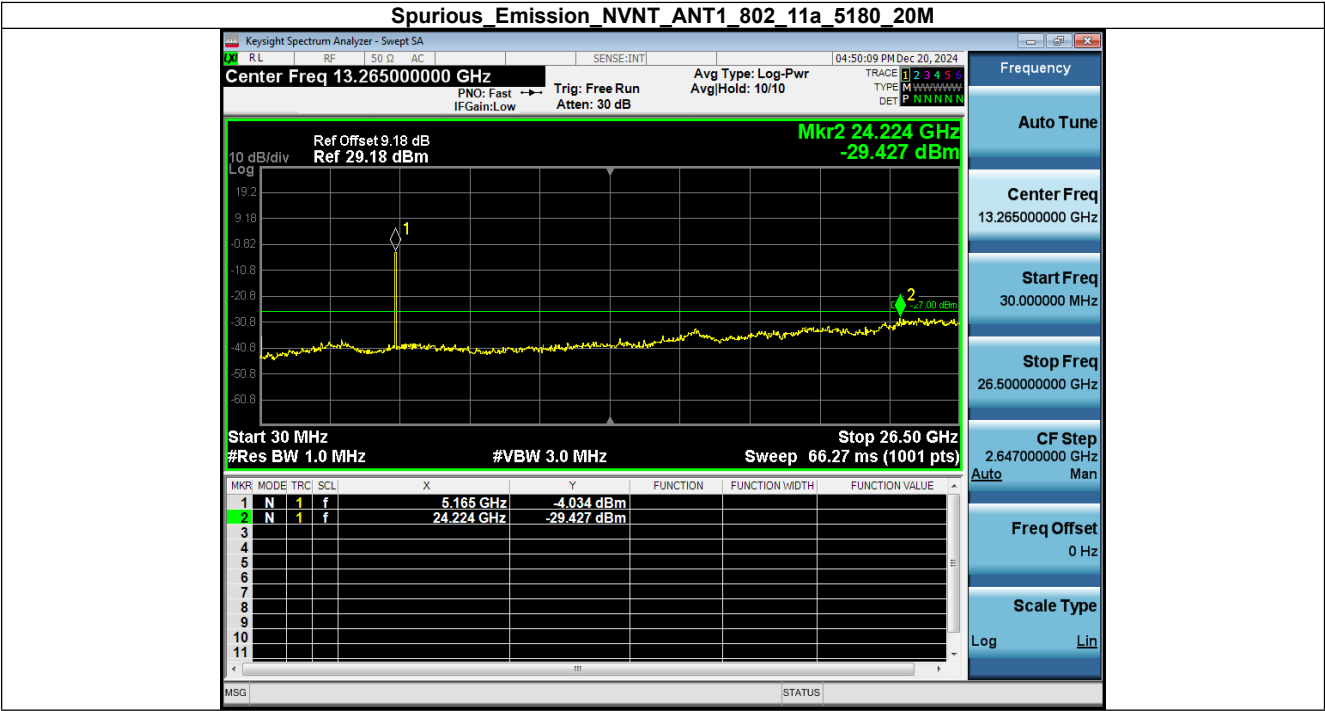
Bandedge_NVNT_ANT1_802_11n(HT40)_5230



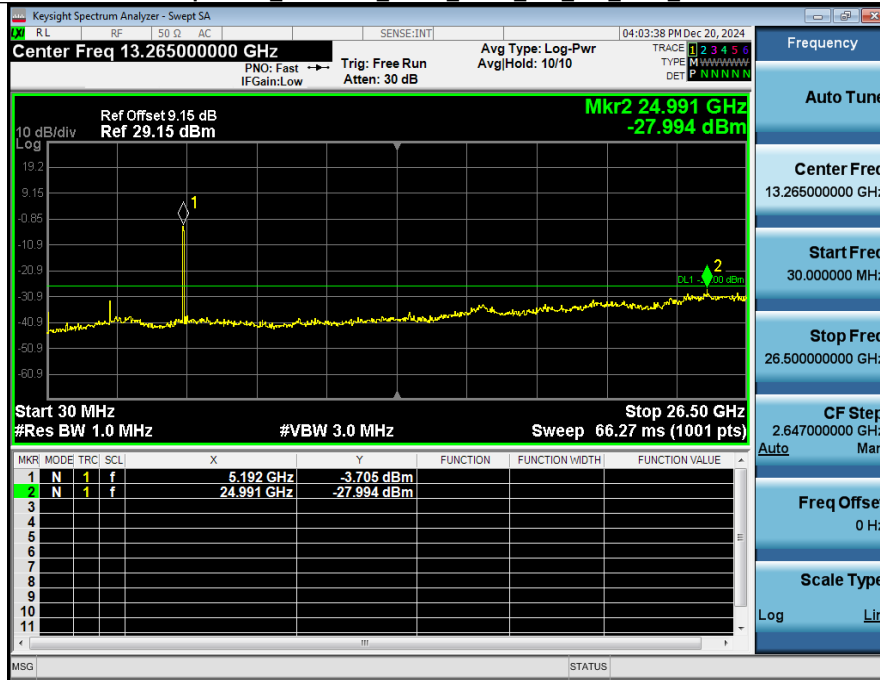
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	24223.58	-29.43	-27	Pass
NVNT	ANT1	802.11a	5200.00	24991.21	-27.99	-27	Pass
NVNT	ANT1	802.11a	5240.00	718.22	-27.67	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	25679.43	-29.12	-27	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	25017.68	-28.70	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	24911.80	-28.49	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	2597.59	-28.84	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	903.51	-27.12	-27	Pass

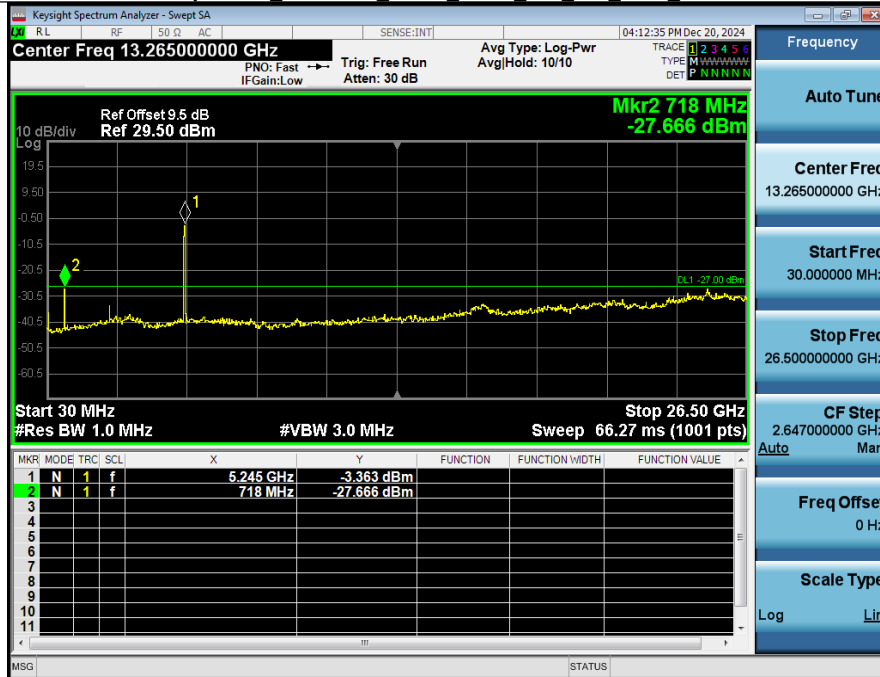
Note:1. The antenna gain is compensated in the test data.
2. 26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz



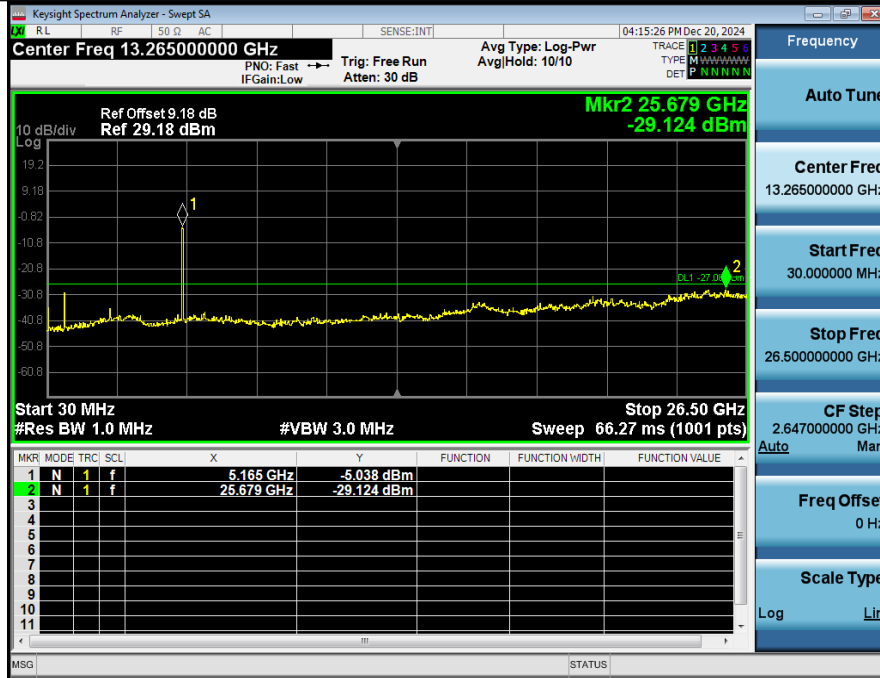
Spurious Emission NVNT ANT1_802_11a_5200_20M



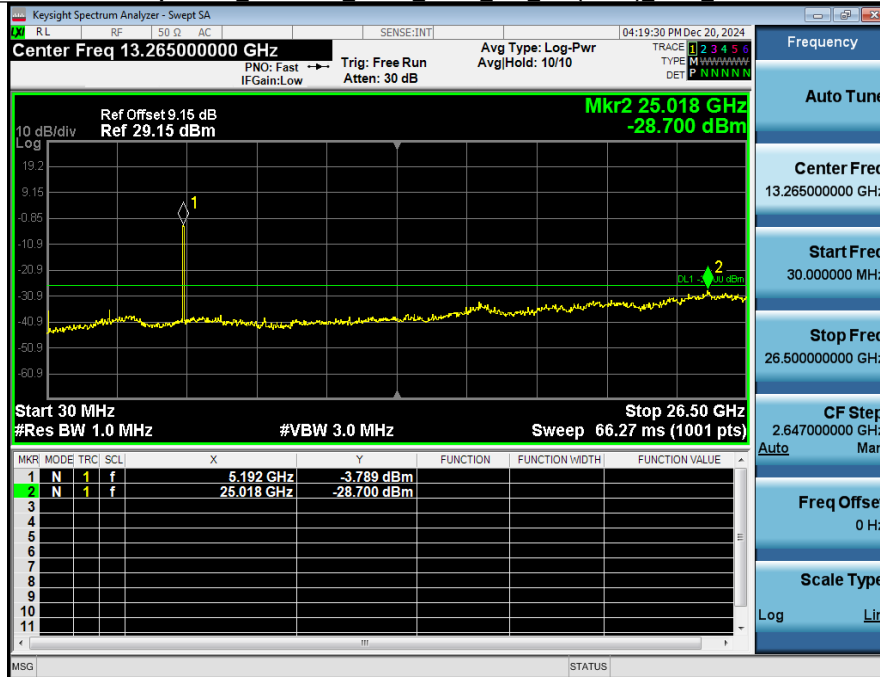
Spurious Emission NVNT ANT1_802_11a_5240_20M



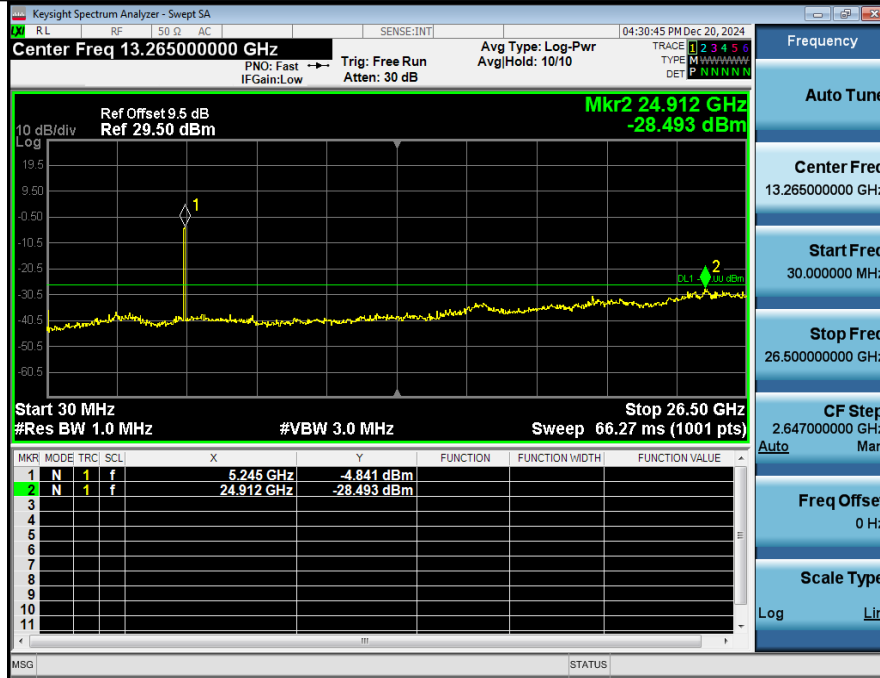
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5180_20M



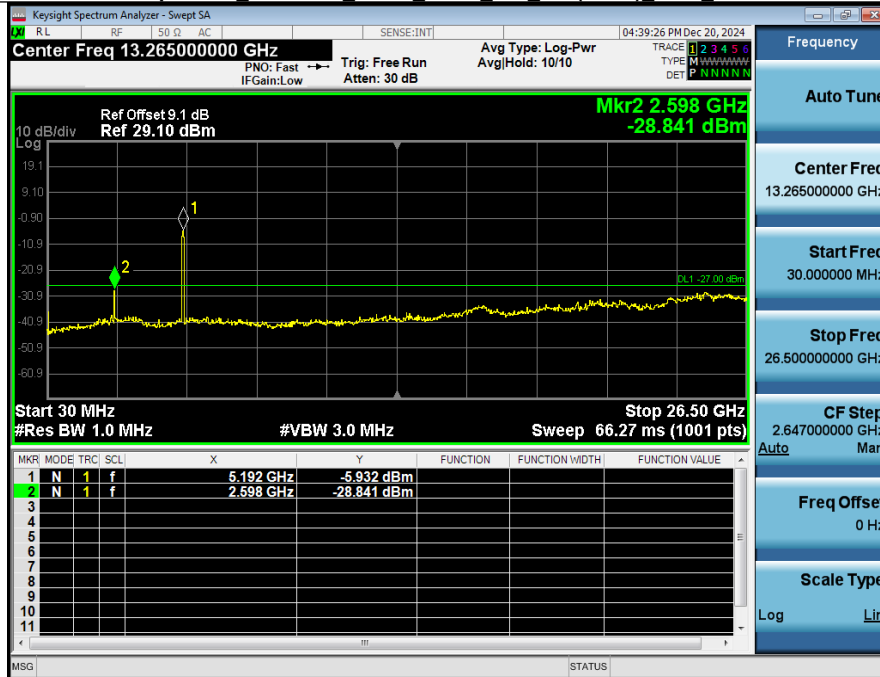
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5200_20M



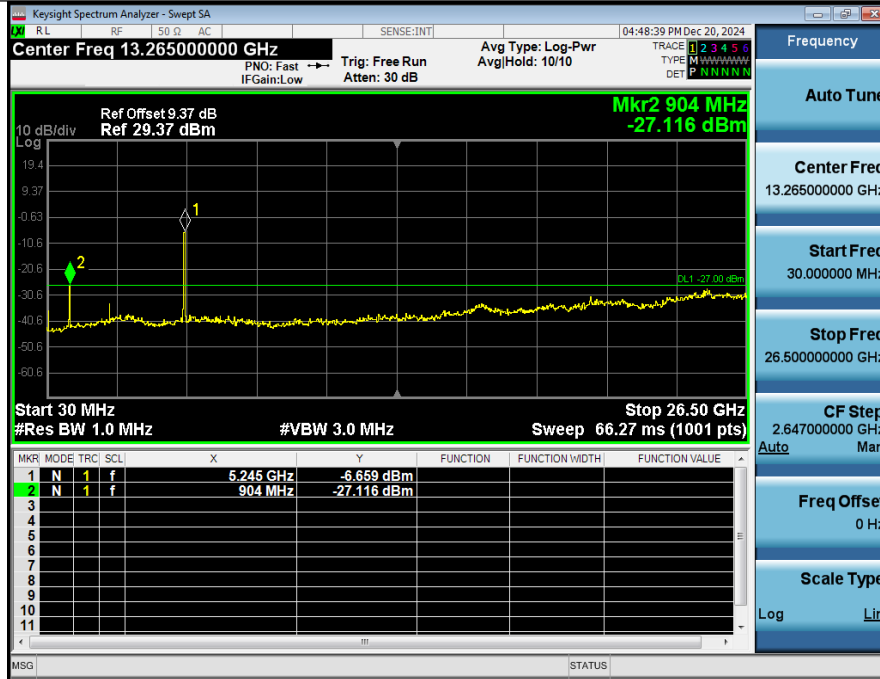
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5240_20M



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5190_40M



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5230_40M



7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	FI(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5180.00	5180.000	5171.376	5188.624	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5180.00	5180.016	5171.652	5188.380	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5180.00	5180.010	5171.760	5188.260	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5180.030	5171.848	5188.212	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5180.00	5180.032	5171.912	5188.152	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5180.00	5180.034	5171.968	5188.100	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5180.00	5180.048	5172.020	5188.076	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5180.00	5180.044	5172.084	5188.004	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5180.00	5180.044	5172.128	5187.960	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5180.052	5172.172	5187.932	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5180.00	5180.036	5172.220	5187.852	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5200.00	5199.998	5191.364	5208.632	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5200.00	5200.032	5191.672	5208.392	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5200.00	5200.038	5191.784	5208.292	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5200.046	5191.864	5208.228	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5200.00	5200.054	5191.932	5208.176	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5200.00	5200.052	5191.992	5208.112	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5200.00	5200.050	5192.040	5208.060	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5200.00	5200.044	5192.096	5207.992	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5200.00	5200.050	5192.144	5207.956	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5200.070	5192.204	5207.936	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5200.00	5200.068	5192.260	5207.876	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11a	5240.00	5239.998	5231.340	5248.656	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11a	5240.00	5240.018	5231.656	5248.380	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11a	5240.00	5240.042	5231.788	5248.296	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5240.042	5231.864	5248.220	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11a	5240.00	5240.050	5231.932	5248.168	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11a	5240.00	5240.048	5231.992	5248.104	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11a	5240.00	5240.056	5232.044	5248.068	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11a	5240.00	5240.046	5232.092	5248.000	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5240.00	5240.058	5232.136	5247.980	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5240.058	5232.188	5247.928	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5240.00	5240.082	5232.252	5247.912	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.044	5170.940	5189.148	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.050	5171.116	5188.984	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.054	5171.228	5188.880	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.068	5171.296	5188.840	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.052	5171.344	5188.760	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.078	5171.404	5188.752	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.076	5171.448	5188.704	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.082	5171.504	5188.660	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5180.00	5180.076	5171.556	5188.596	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.084	5171.616	5188.552	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5180.00	5180.072	5171.664	5188.480	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.050	5190.956	5209.144	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.056	5191.132	5208.980	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.056	5191.220	5208.892	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.066	5191.288	5208.844	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.074	5191.340	5208.808	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.062	5191.392	5208.732	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.068	5191.436	5208.700	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.078	5191.488	5208.668	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5200.00	5200.080	5191.540	5208.620	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.098	5191.600	5208.596	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5200.00	5200.078	5191.652	5208.504	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.058	5230.948	5249.168	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.046	5231.108	5248.984	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.056	5231.208	5248.904	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.052	5231.264	5248.840	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.048	5231.324	5248.772	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.052	5231.368	5248.736	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.064	5231.424	5248.704	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.044	5231.468	5248.620	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5240.00	5240.074	5231.520	5248.628	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.036	5231.568	5248.504	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5240.00	5240.074	5231.624	5248.524	5150~5250	Pass

55degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.112	5171.864	5208.360	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.128	5172.040	5208.216	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.140	5172.192	5208.088	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.152	5172.320	5207.984	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.124	5172.400	5207.848	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.140	5172.504	5207.776	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.128	5172.616	5207.640	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.184	5172.760	5207.608	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5190.00	5190.168	5172.904	5207.432	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.224	5173.032	5207.416	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5190.00	5190.212	5173.152	5207.272	5150~5250	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.124	5211.856	5248.392	5150~5250	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.108	5212.032	5248.184	5150~5250	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.104	5212.176	5248.032	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.080	5212.272	5247.888	5150~5250	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.076	5212.360	5247.792	5150~5250	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.064	5212.480	5247.648	5150~5250	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.048	5212.560	5247.536	5150~5250	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.068	5212.664	5247.472	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5230.00	5230.032	5212.768	5247.296	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.068	5212.880	5247.256	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5230.00	5230.088	5213.000	5247.176	5150~5250	Pass