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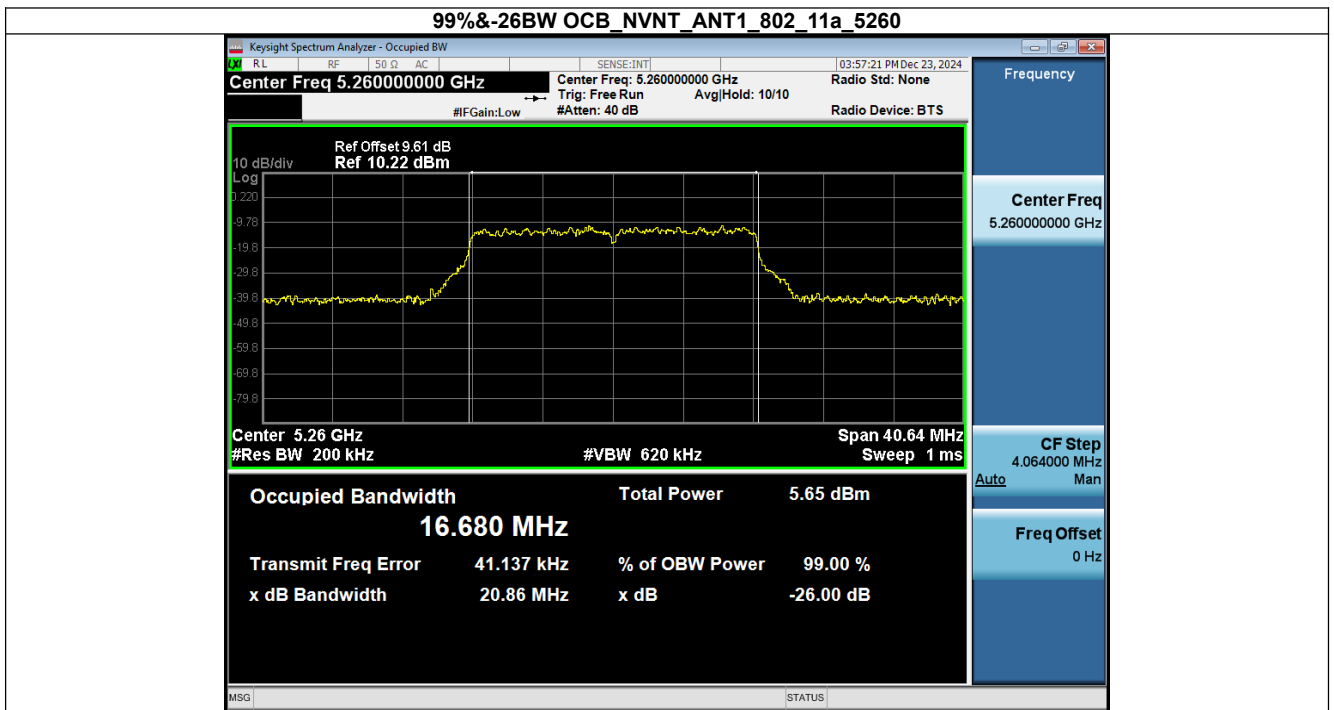
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FCC ID:2BBGK-CP8

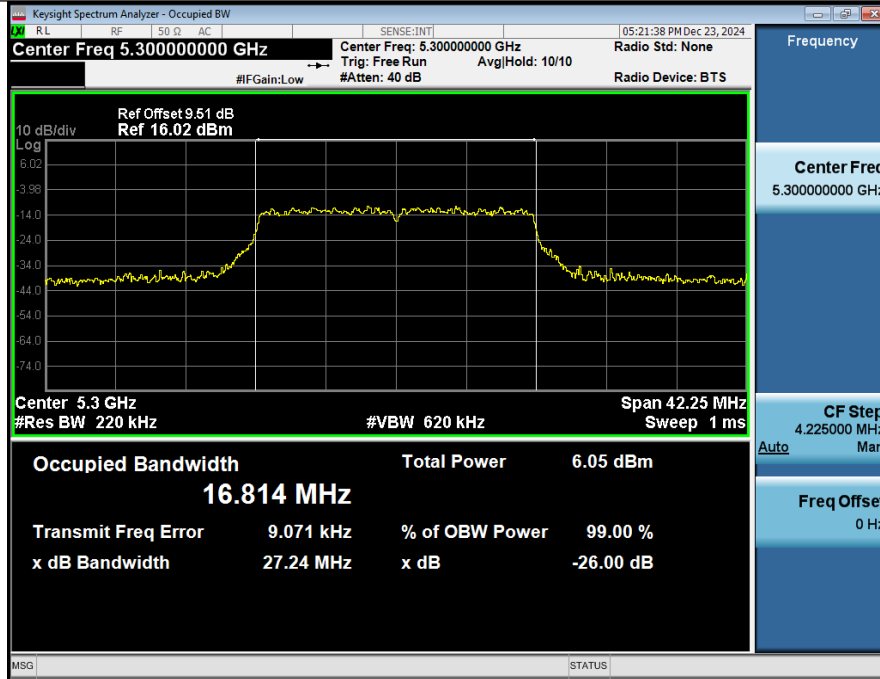
FCC_5.3G_WIFI (Part15.407) Test Data

1. -26dB and 99% Emission Bandwidth

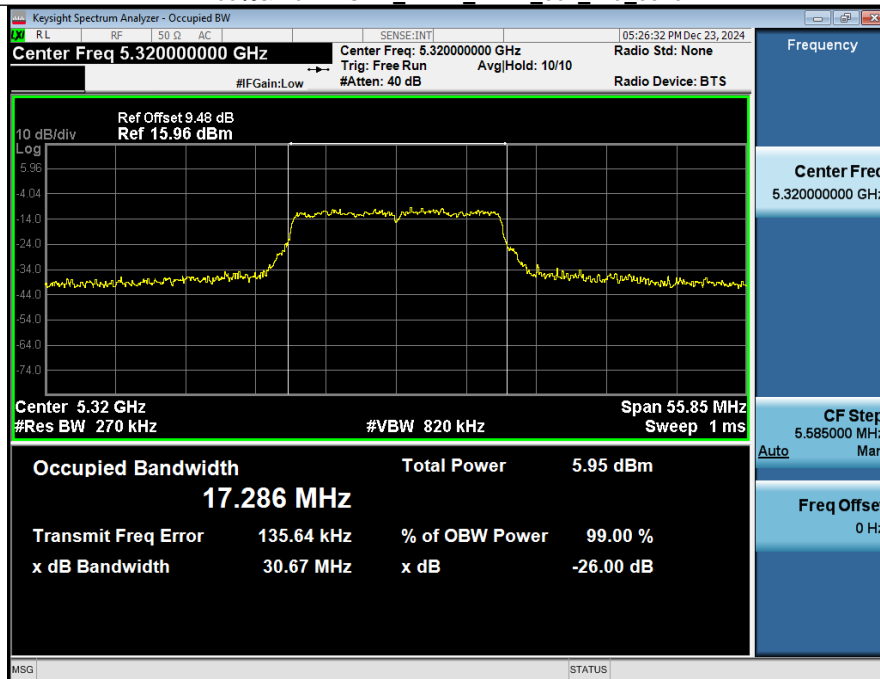
Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5260.00	20.86	16.680
NVNT	ANT1	802.11a	5300.00	27.24	16.814
NVNT	ANT1	802.11a	5320.00	30.67	17.286
NVNT	ANT1	802.11n(HT20)	5260.00	21.48	17.962
NVNT	ANT1	802.11n(HT20)	5300.00	27.35	17.969
NVNT	ANT1	802.11n(HT20)	5320.00	33.62	18.560
NVNT	ANT1	802.11n(HT40)	5270.00	87.12	38.499
NVNT	ANT1	802.11n(HT40)	5310.00	106.04	45.367



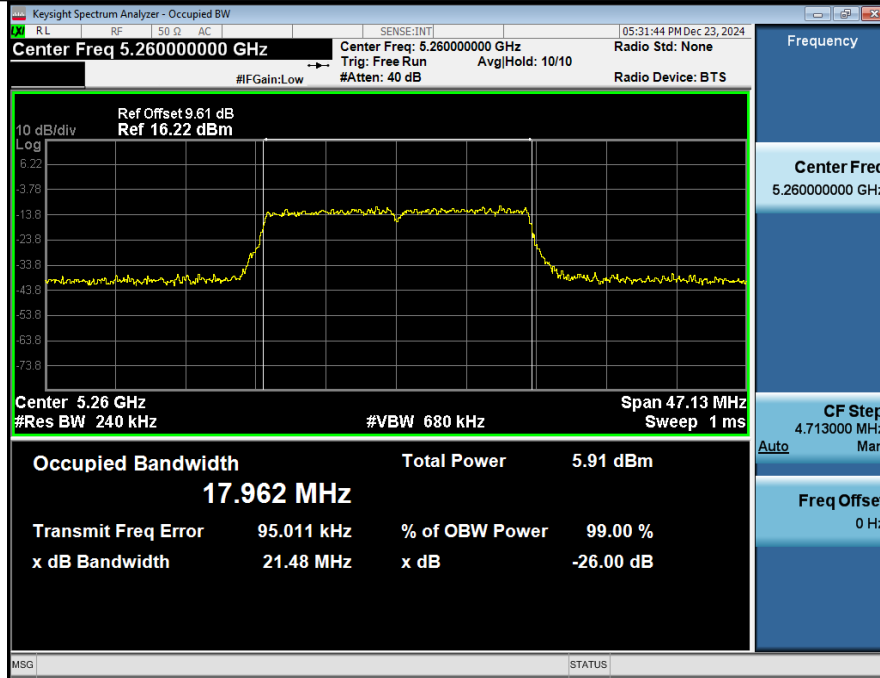
99%&-26BW OCB_NVNT_ANT1_802_11a_5300



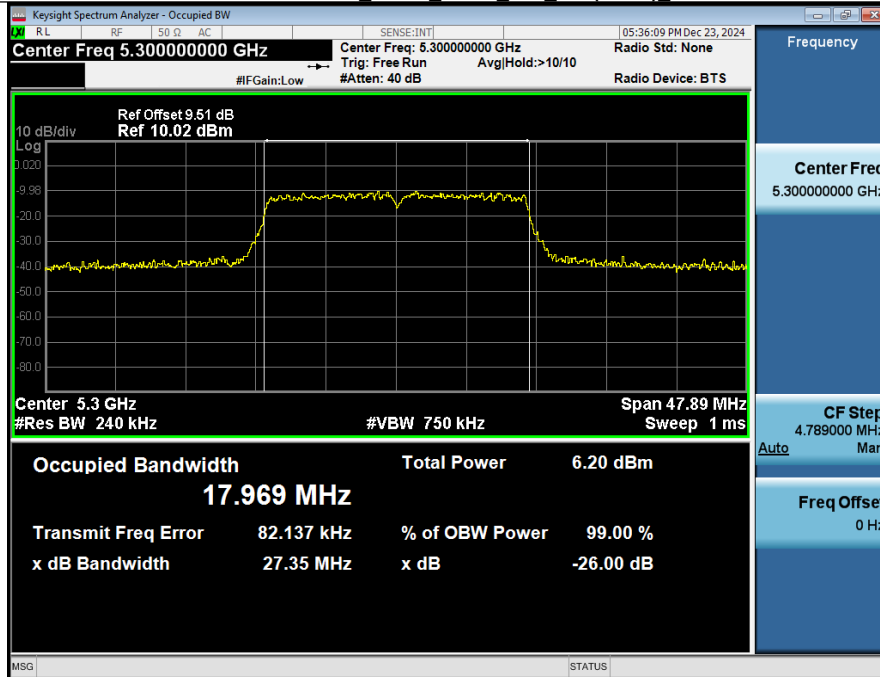
99%&-26BW OCB_NVNT_ANT1_802_11a_5320



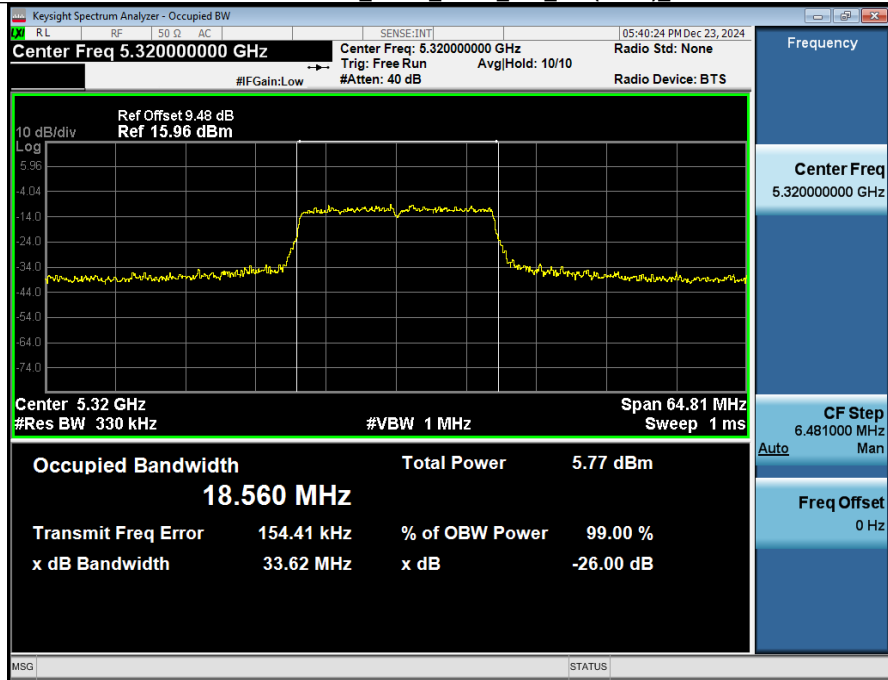
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5260



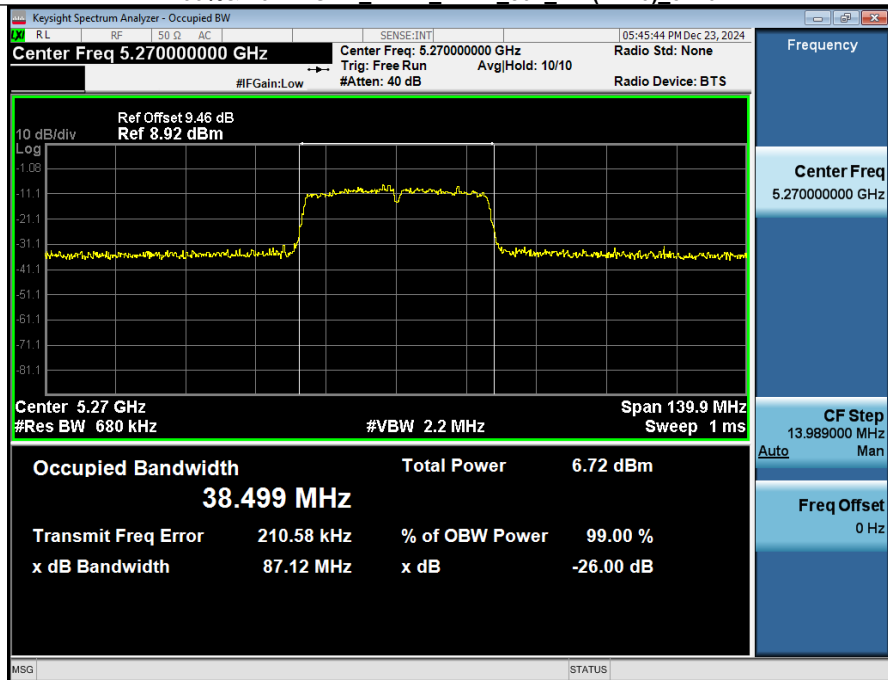
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5300



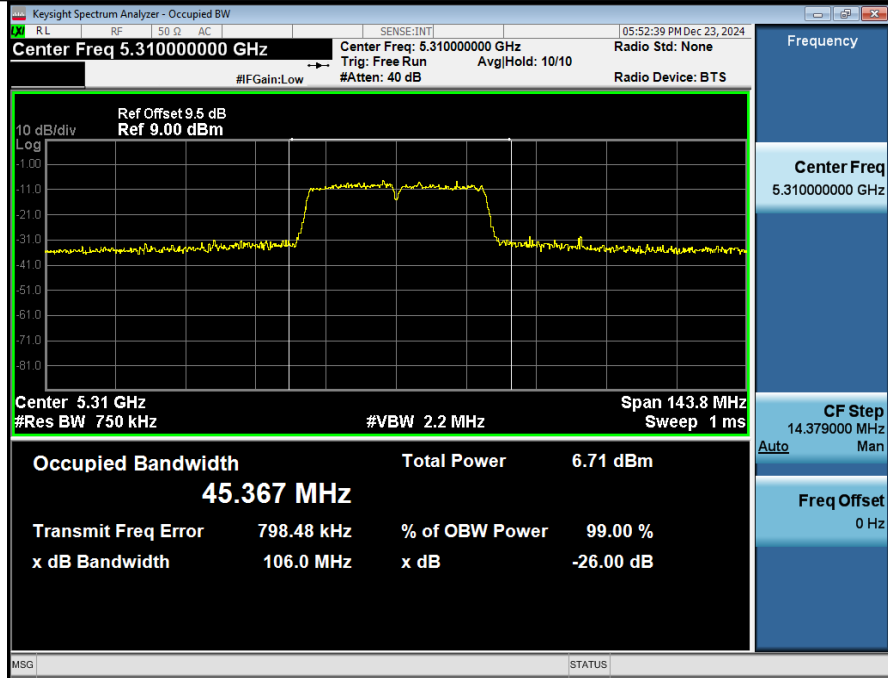
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5320



99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5270

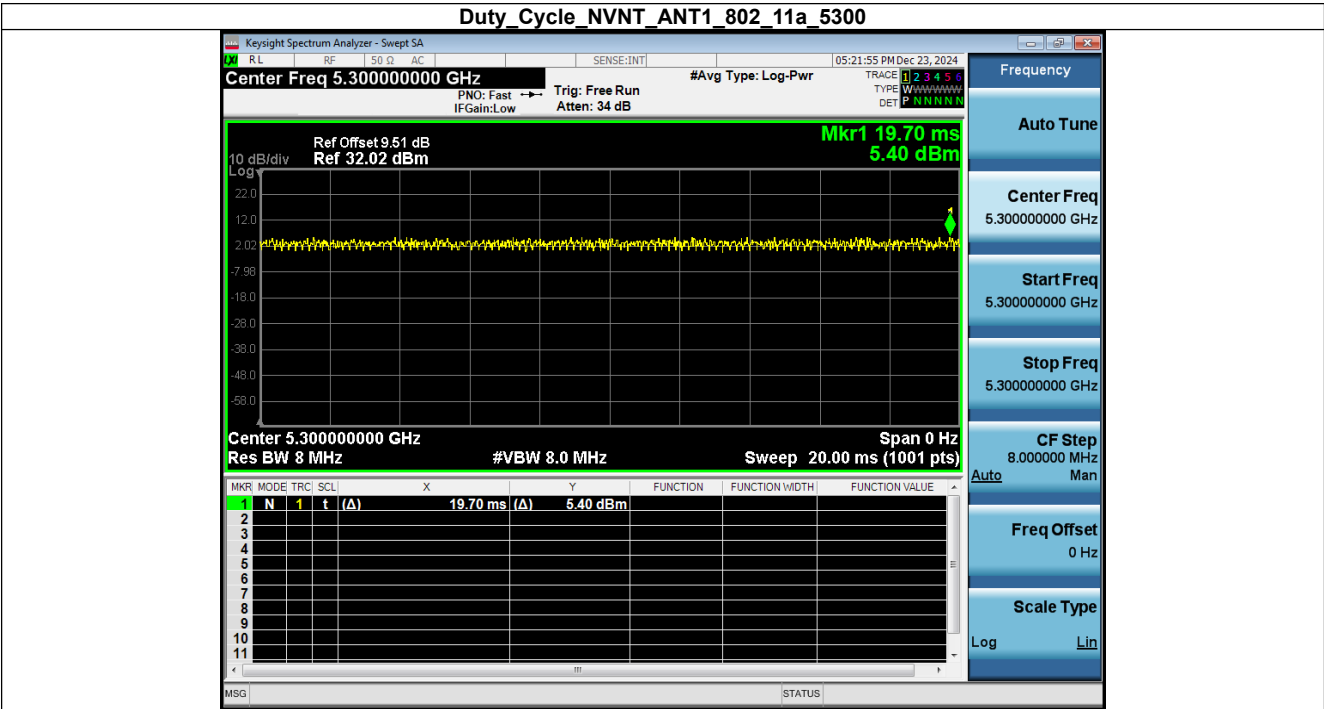
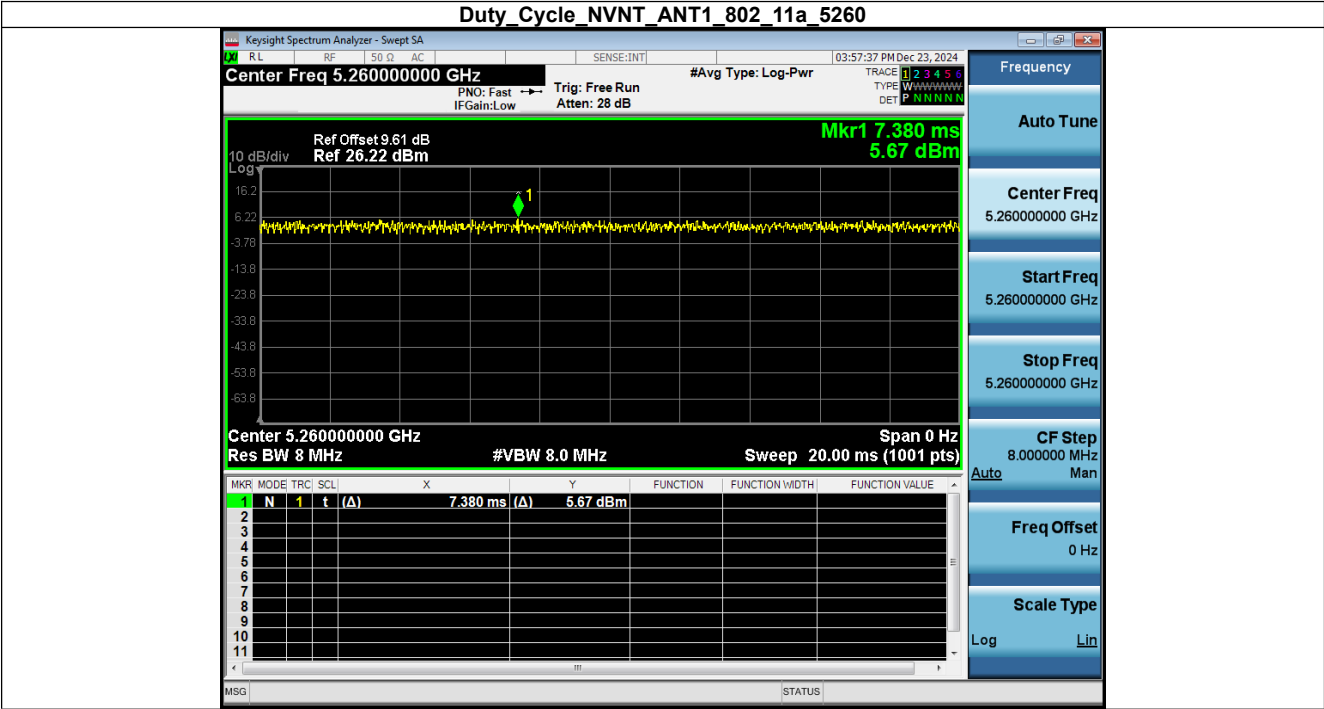


99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5310

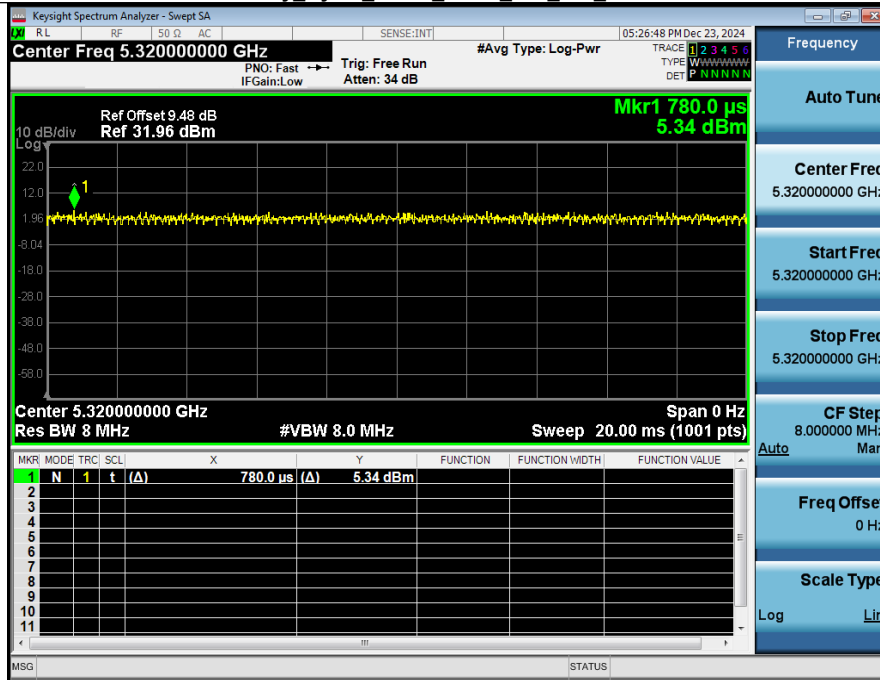


2. Duty Cycle

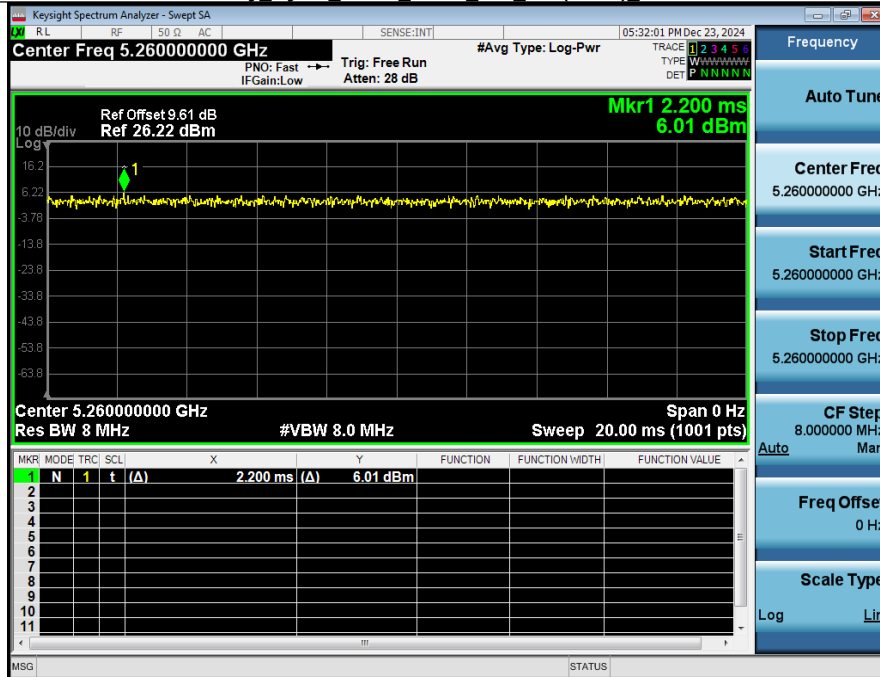
Condition	Antenna	Modulation	Frequency(MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5260.00	100	0.00
NVNT	ANT1	802.11a	5300.00	100	0.00
NVNT	ANT1	802.11a	5320.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5260.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5300.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5320.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5270.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5310.00	100	0.00



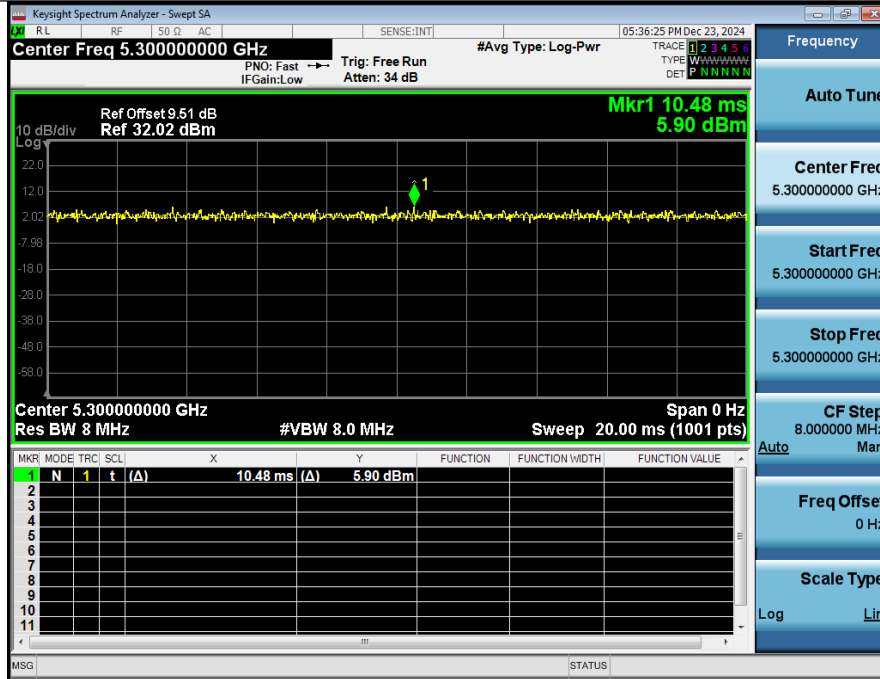
Duty Cycle NVNT_ANT1_802_11a_5320



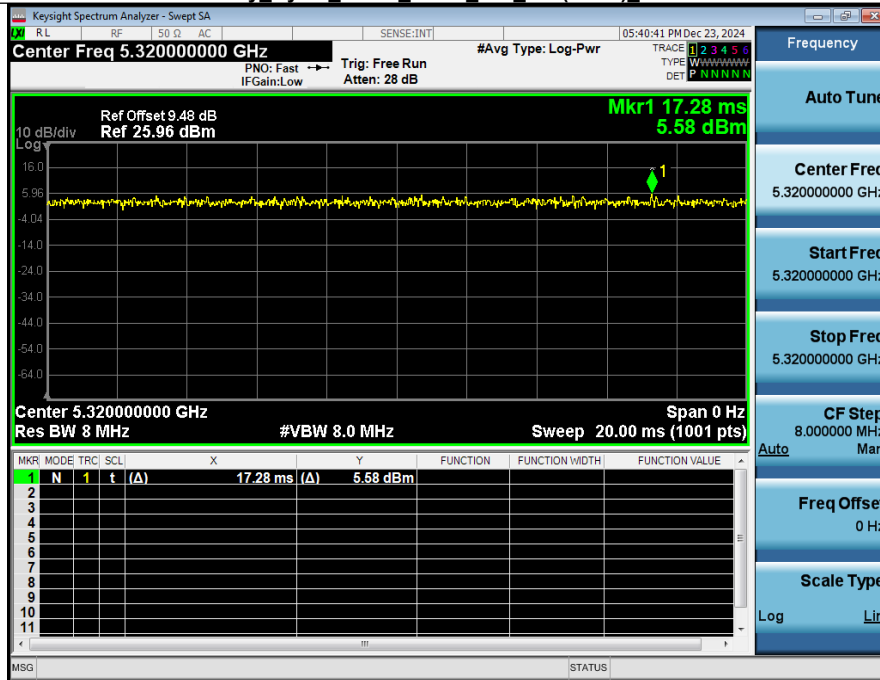
Duty Cycle NVNT_ANT1_802_11n(HT20)_5260



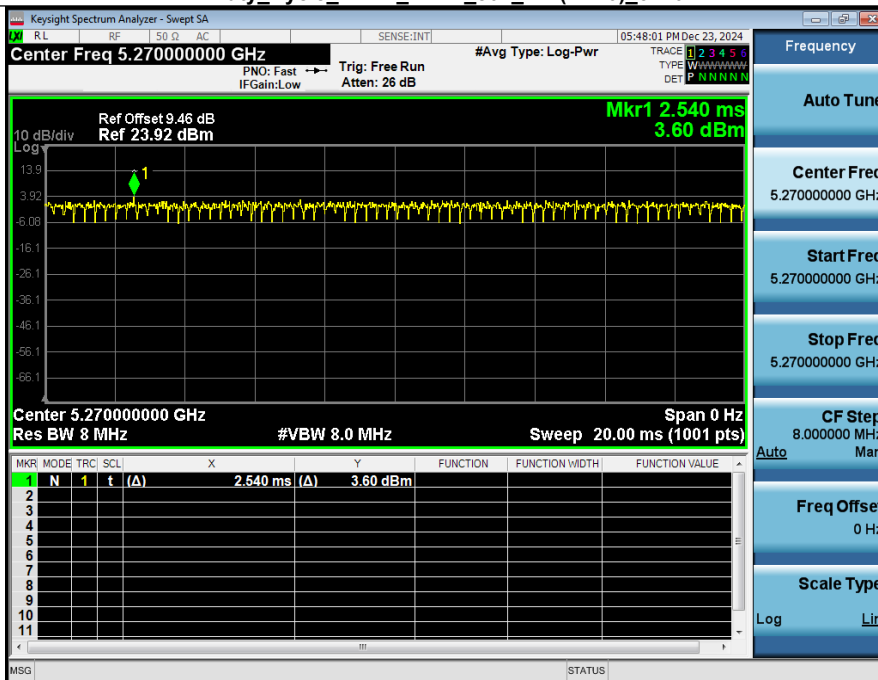
Duty Cycle NVNT_ANT1_802_11n(HT20)_5300



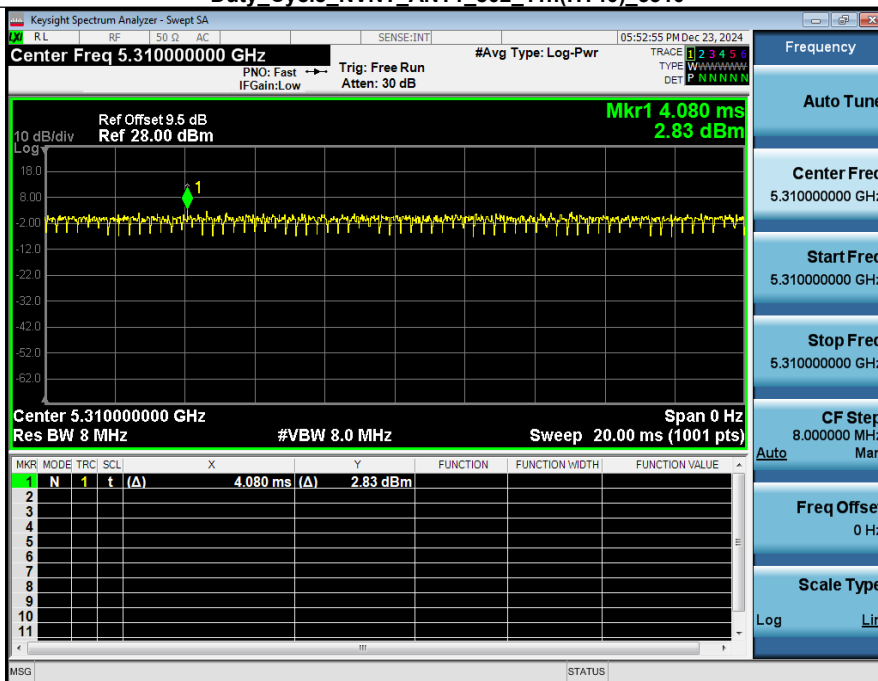
Duty Cycle NVNT_ANT1_802_11n(HT20)_5320



Duty Cycle NVNT_ANT1_802_11n(HT40)_5270

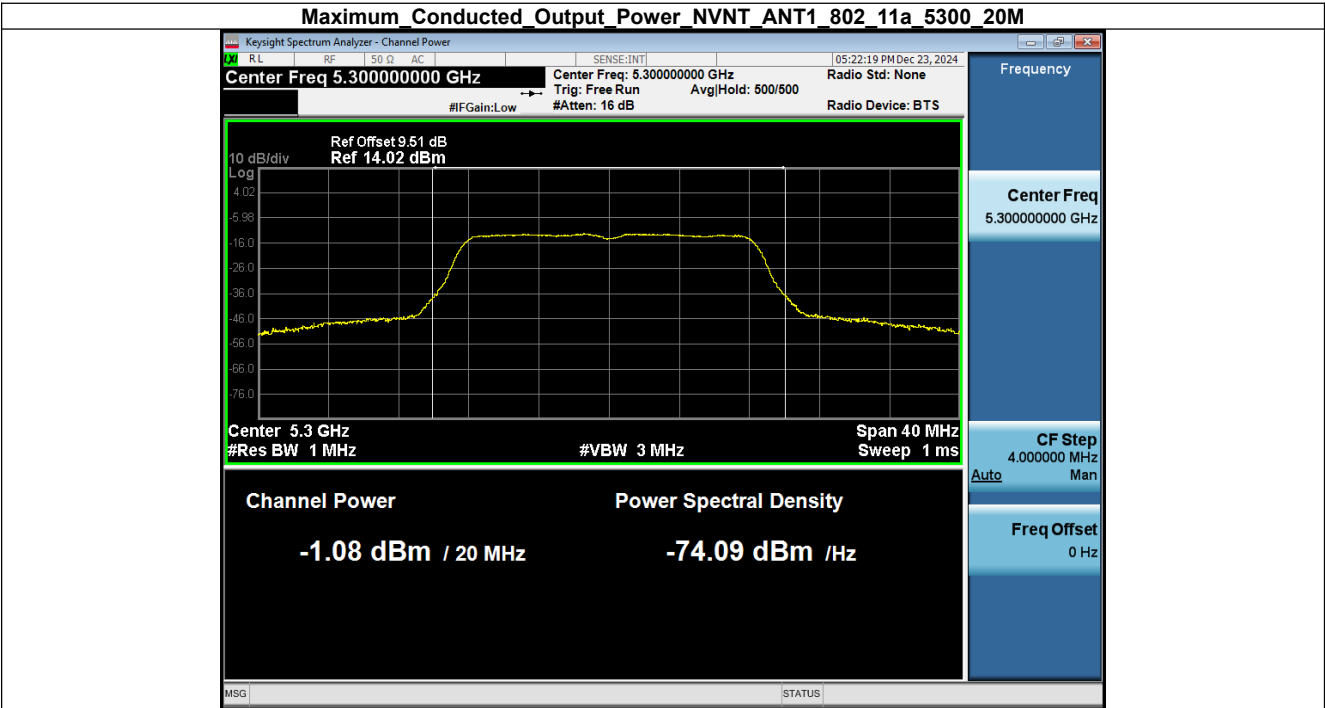
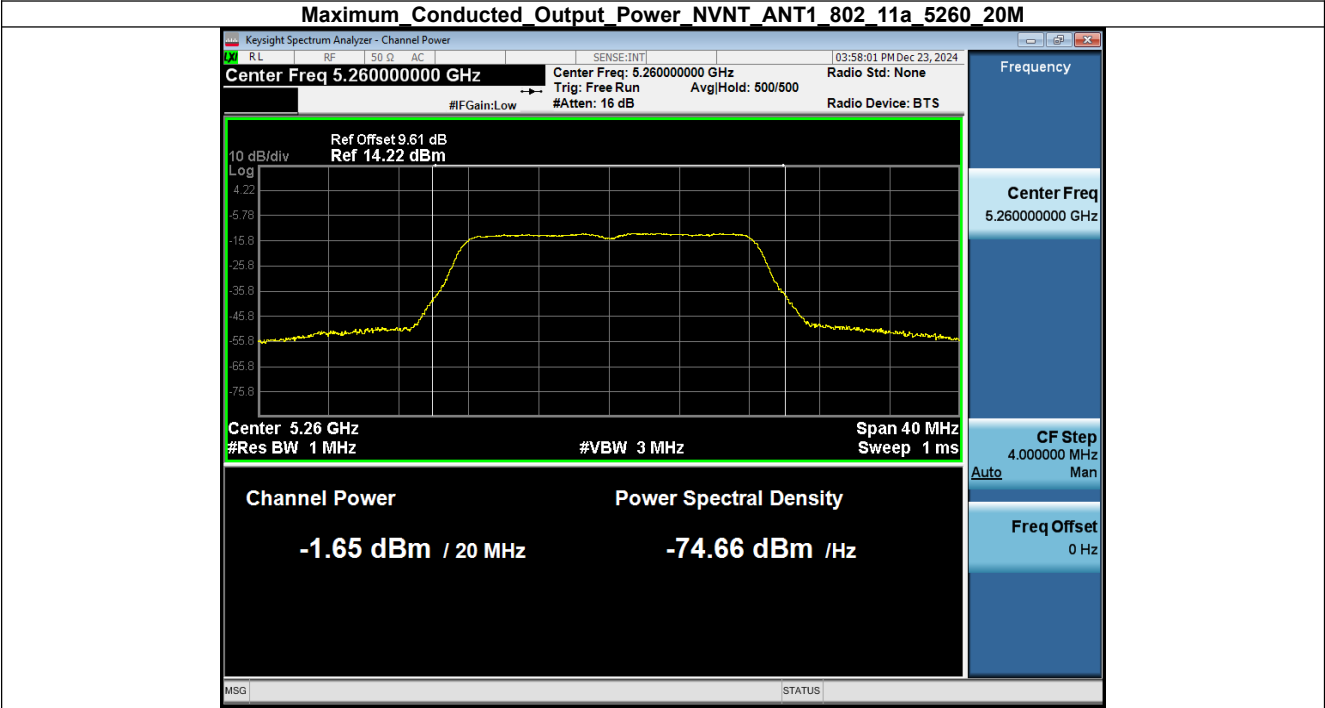


Duty Cycle NVNT_ANT1_802_11n(HT40)_5310

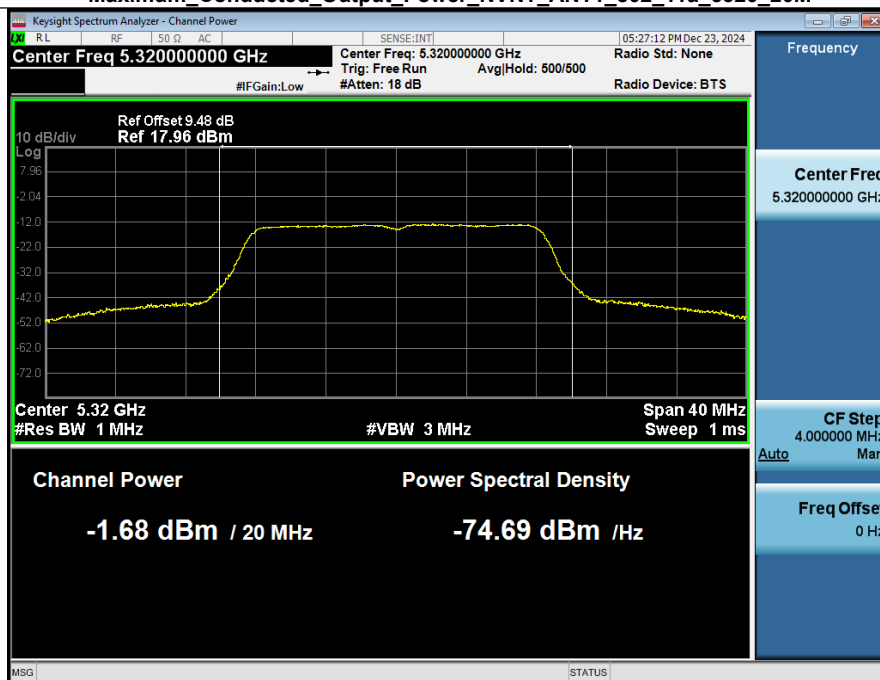


3. Maximum Conducted Output Power

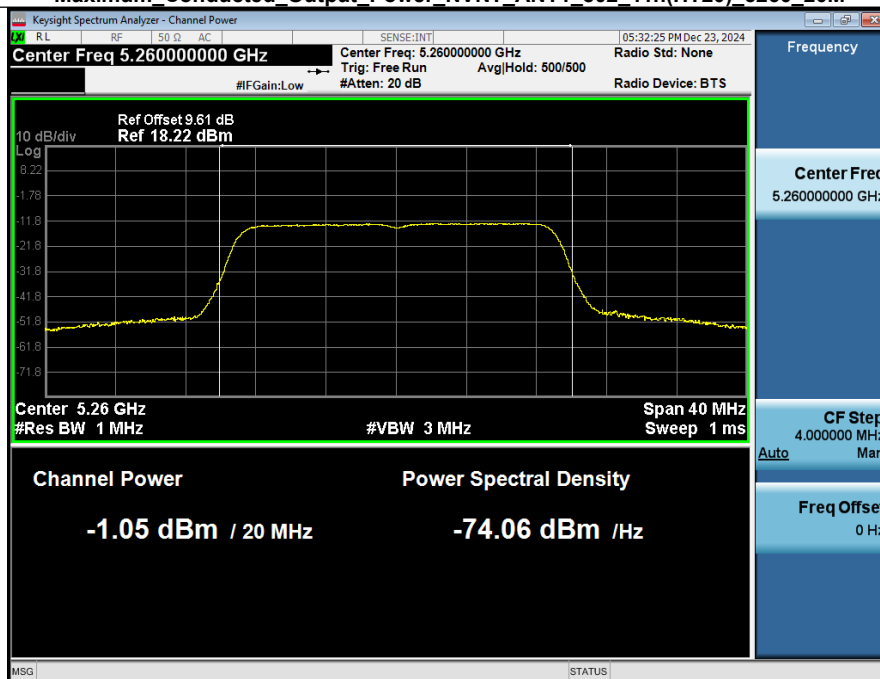
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	-1.65	0.00	-1.65	24	Pass
NVNT	ANT1	802.11a	5300.00	-1.08	0.00	-1.08	24	Pass
NVNT	ANT1	802.11a	5320.00	-1.68	0.00	-1.68	24	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	-1.05	0.00	-1.05	24	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	-0.82	0.00	-0.82	24	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	-1.53	0.00	-1.53	24	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	-0.99	0.00	-0.99	24	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	-1.26	0.00	-1.26	24	Pass



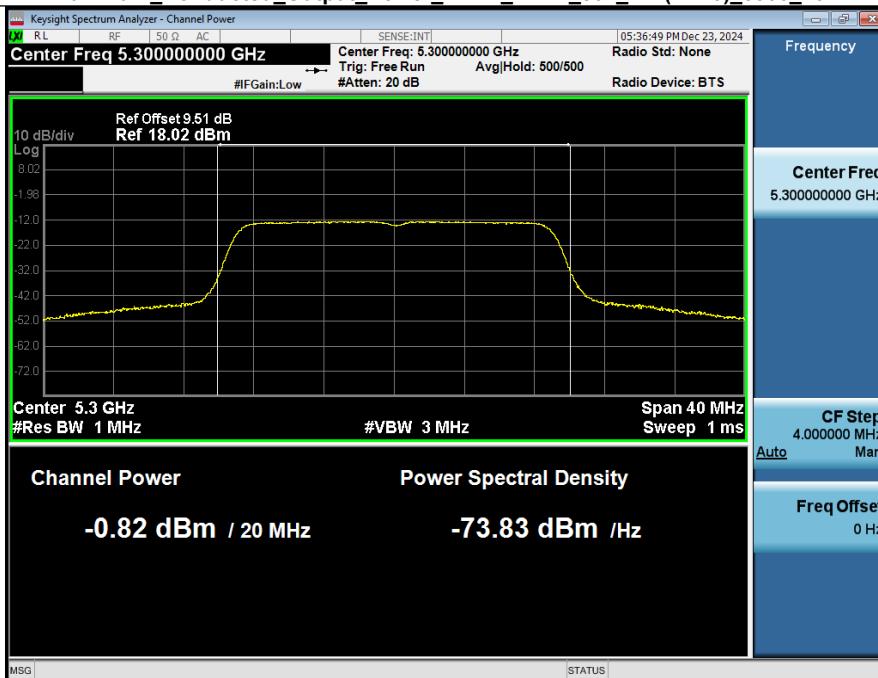
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5320_20M



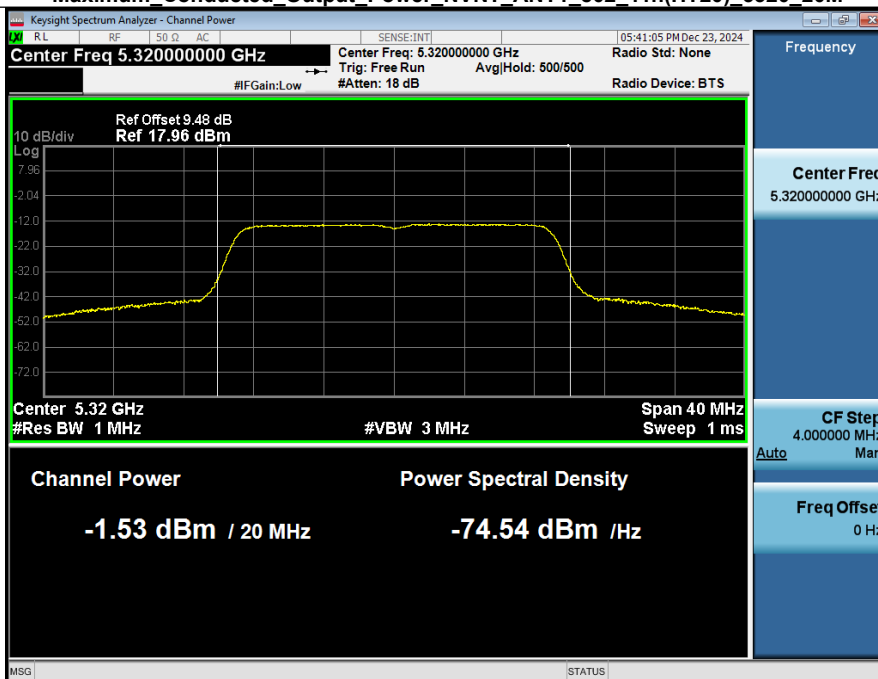
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5260_20M



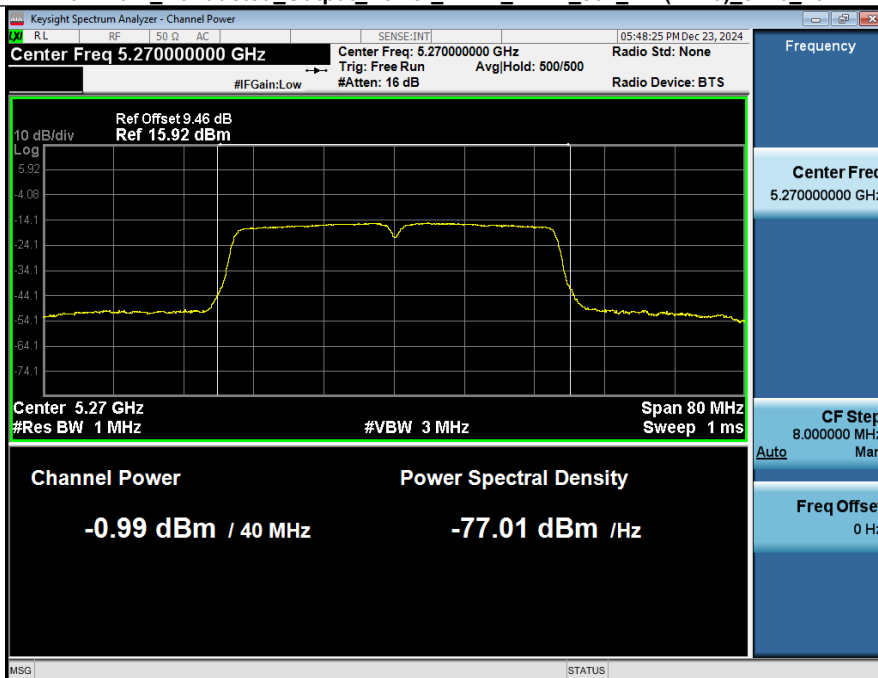
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5300_20M



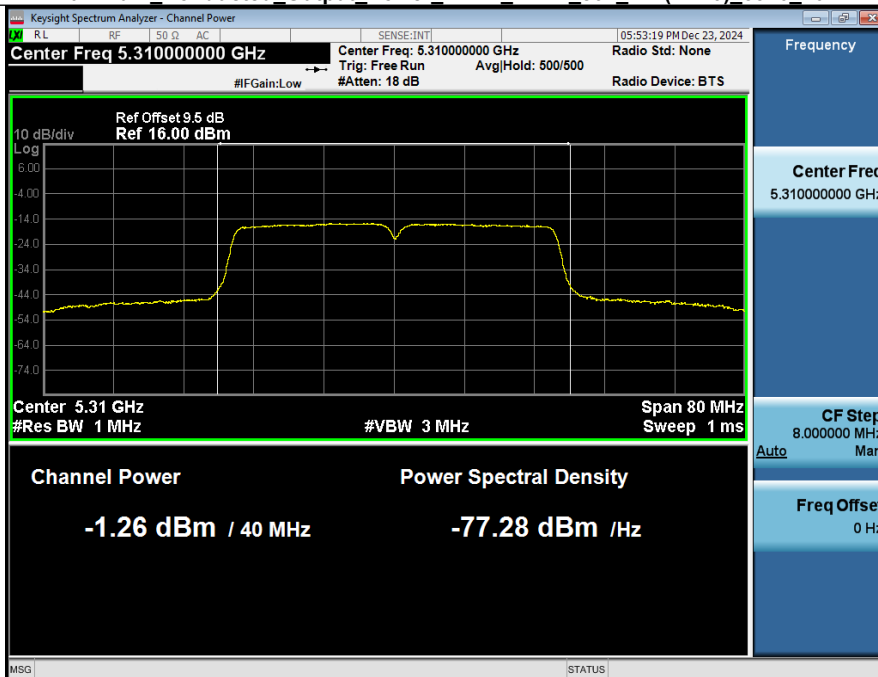
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5320_20M



Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT40)_5270_40M

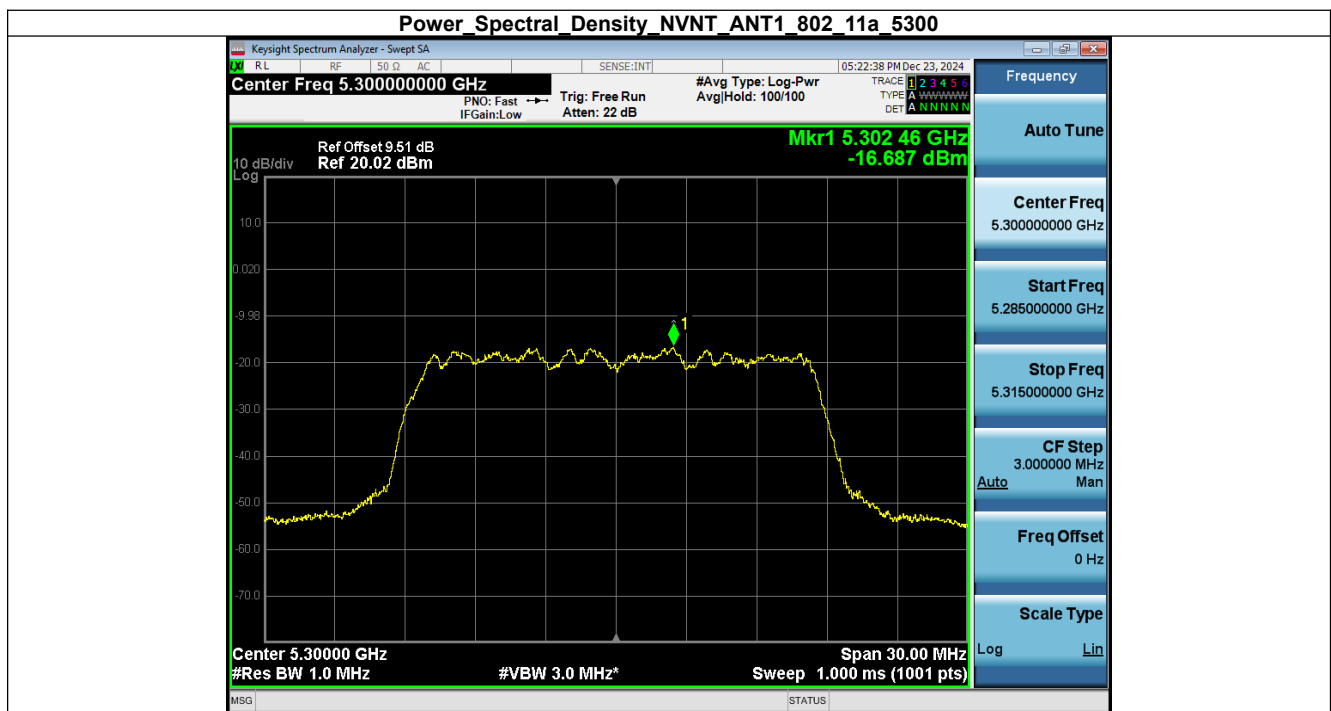
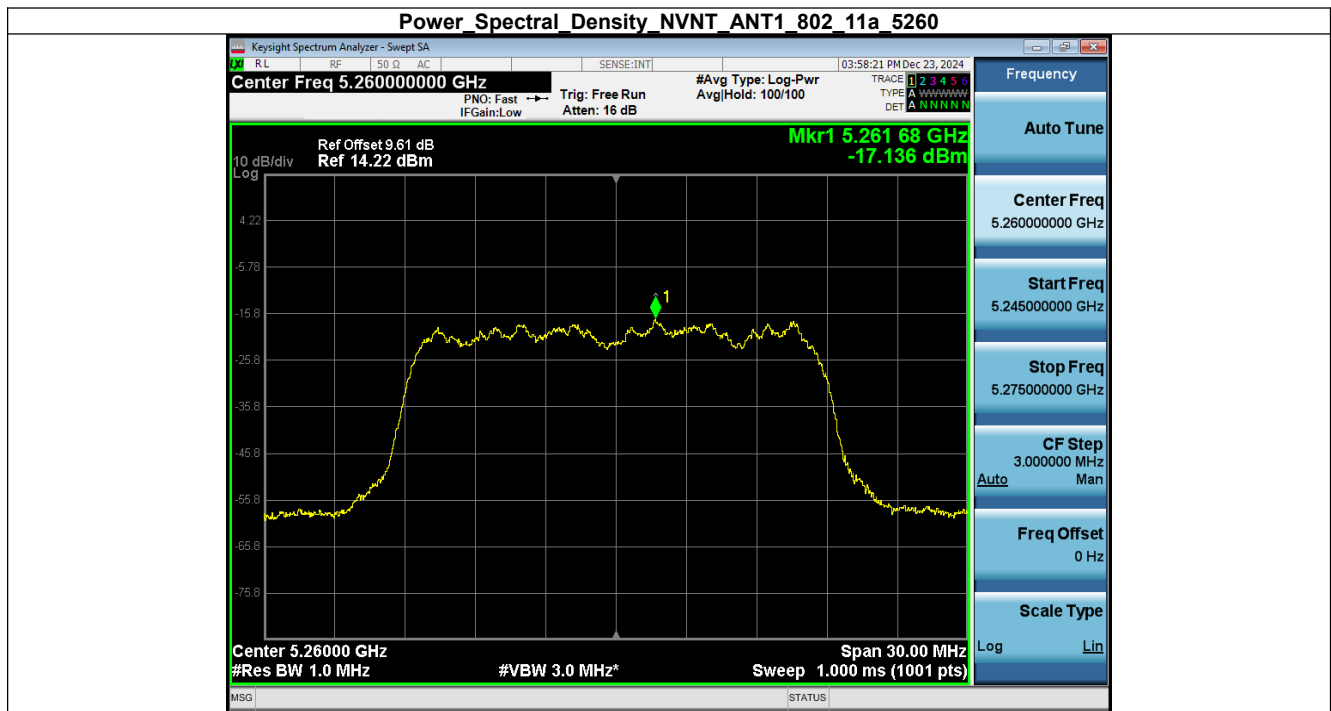


Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT40)_5310_40M

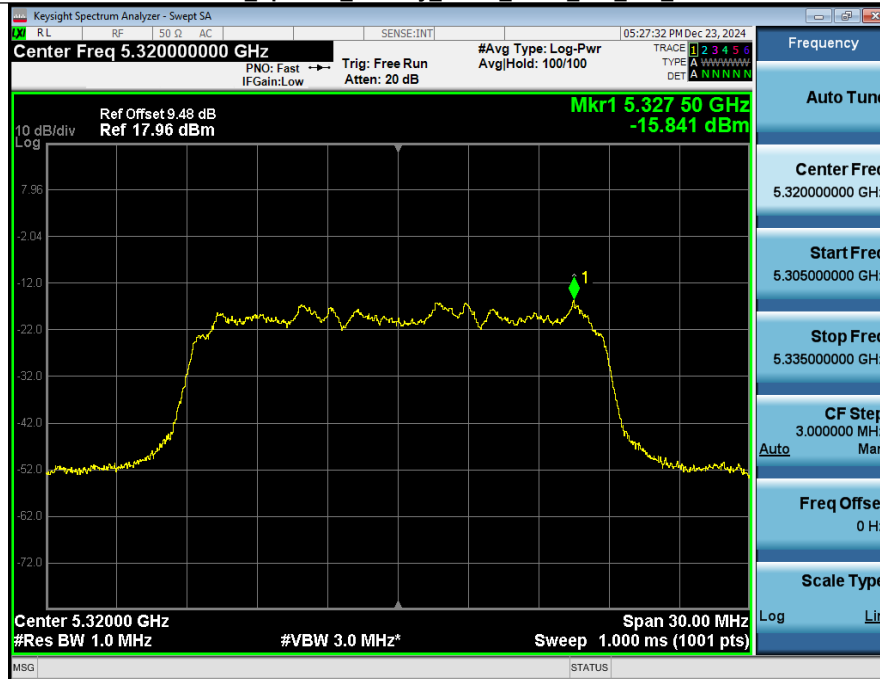


4. Power Spectral Density

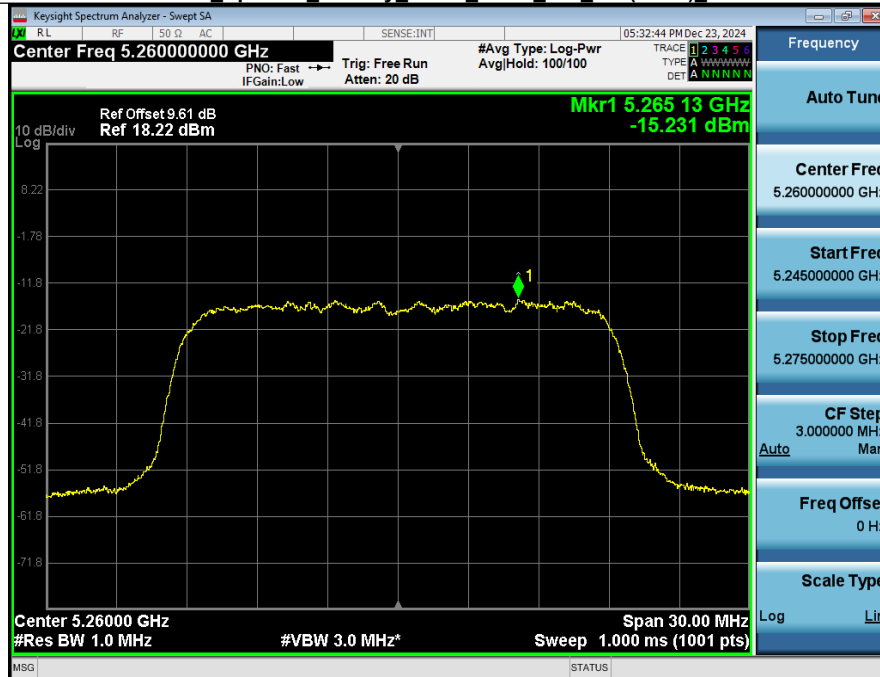
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	-17.14	0.00	-17.14	11	Pass
NVNT	ANT1	802.11a	5300.00	-16.69	0.00	-16.69	11	Pass
NVNT	ANT1	802.11a	5320.00	-15.84	0.00	-15.84	11	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	-15.23	0.00	-15.23	11	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	-14.92	0.00	-14.92	11	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	-15.07	0.00	-15.07	11	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	-18.97	0.00	-18.97	11	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	-18.10	0.00	-18.10	11	Pass



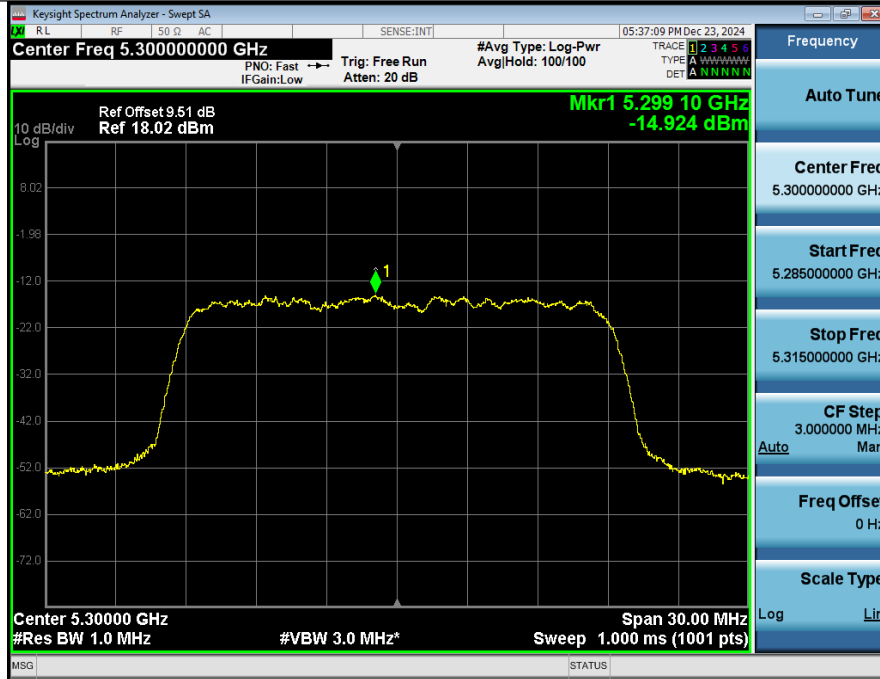
Power Spectral Density_NVNT_ANT1_802_11a_5320



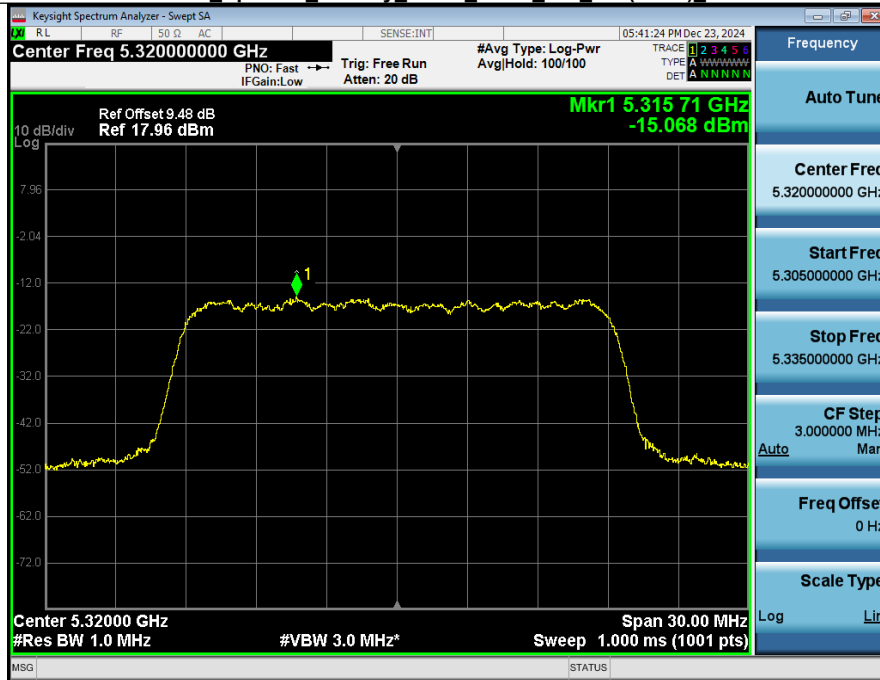
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5260



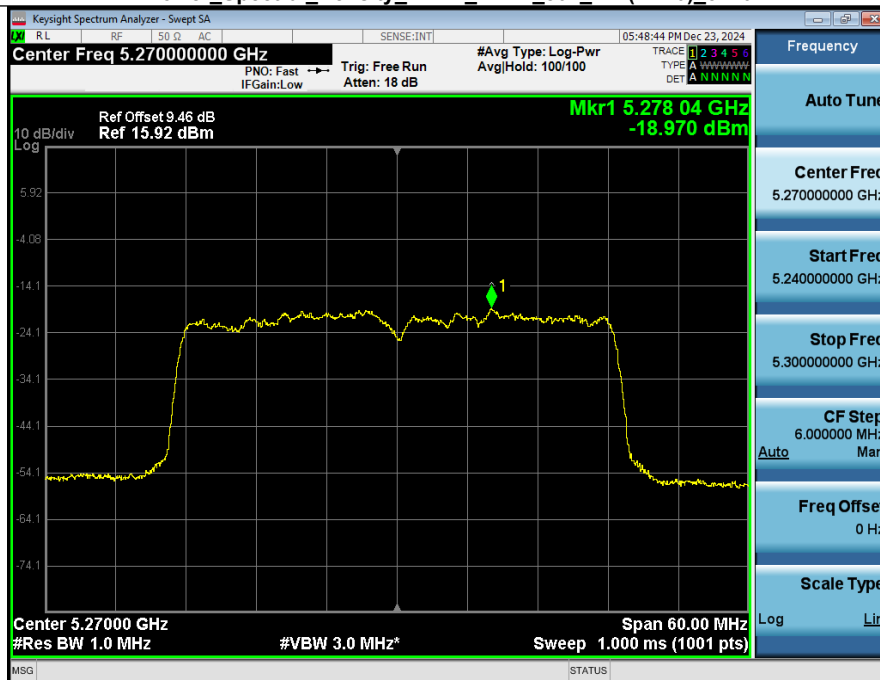
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5300



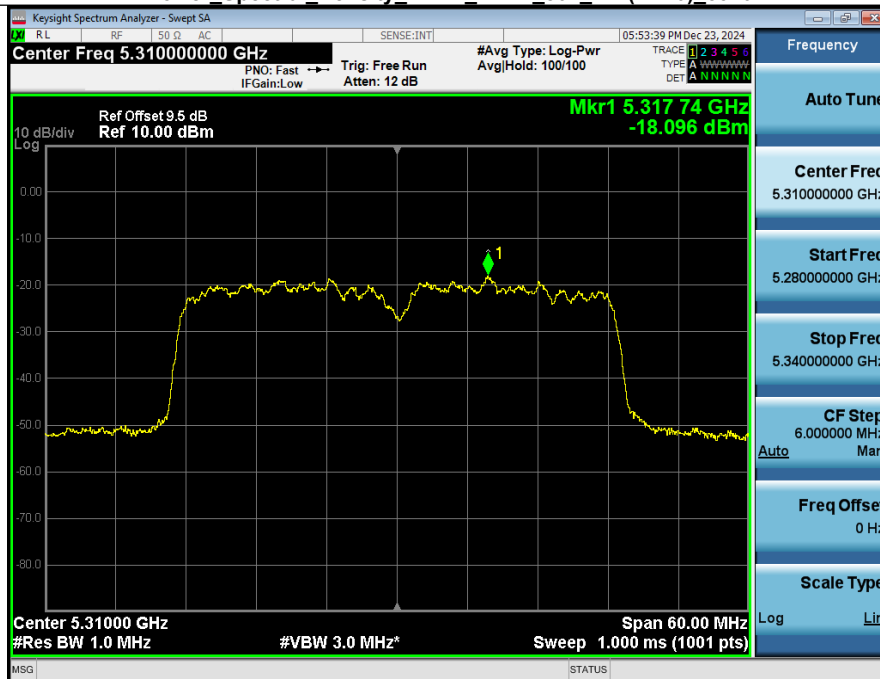
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5320



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5270



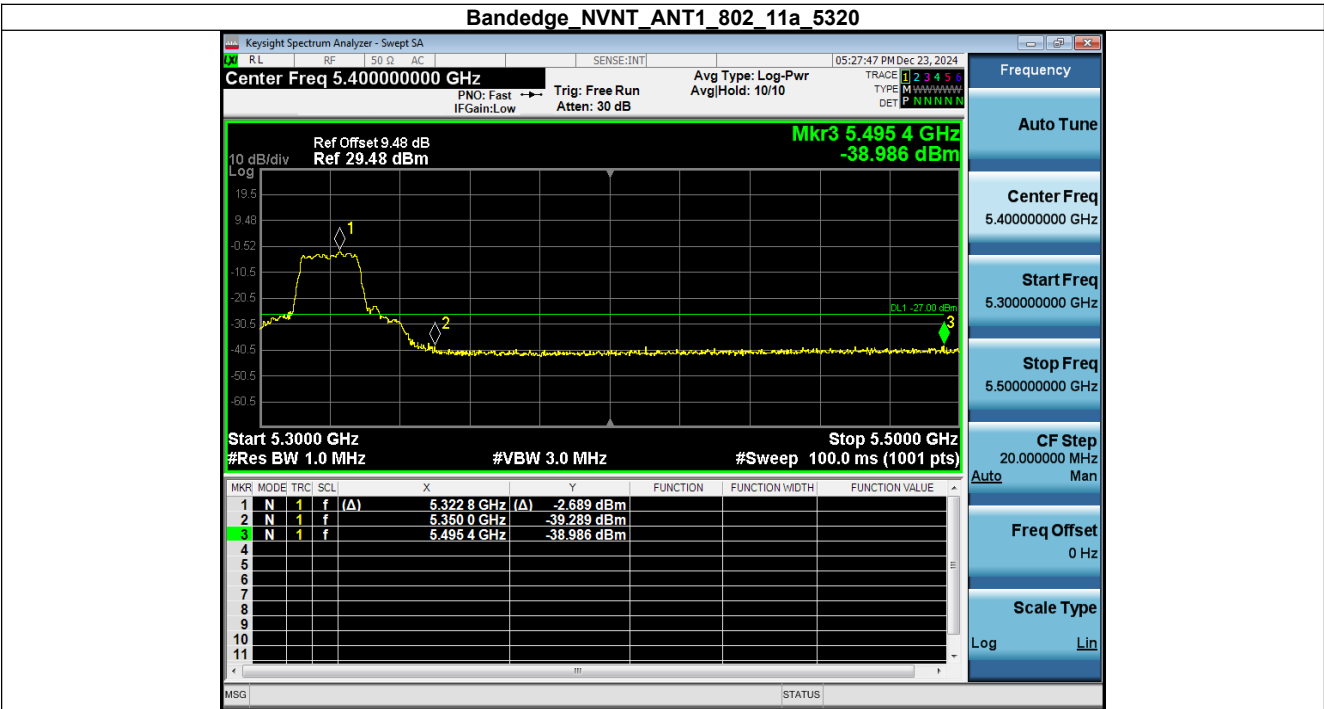
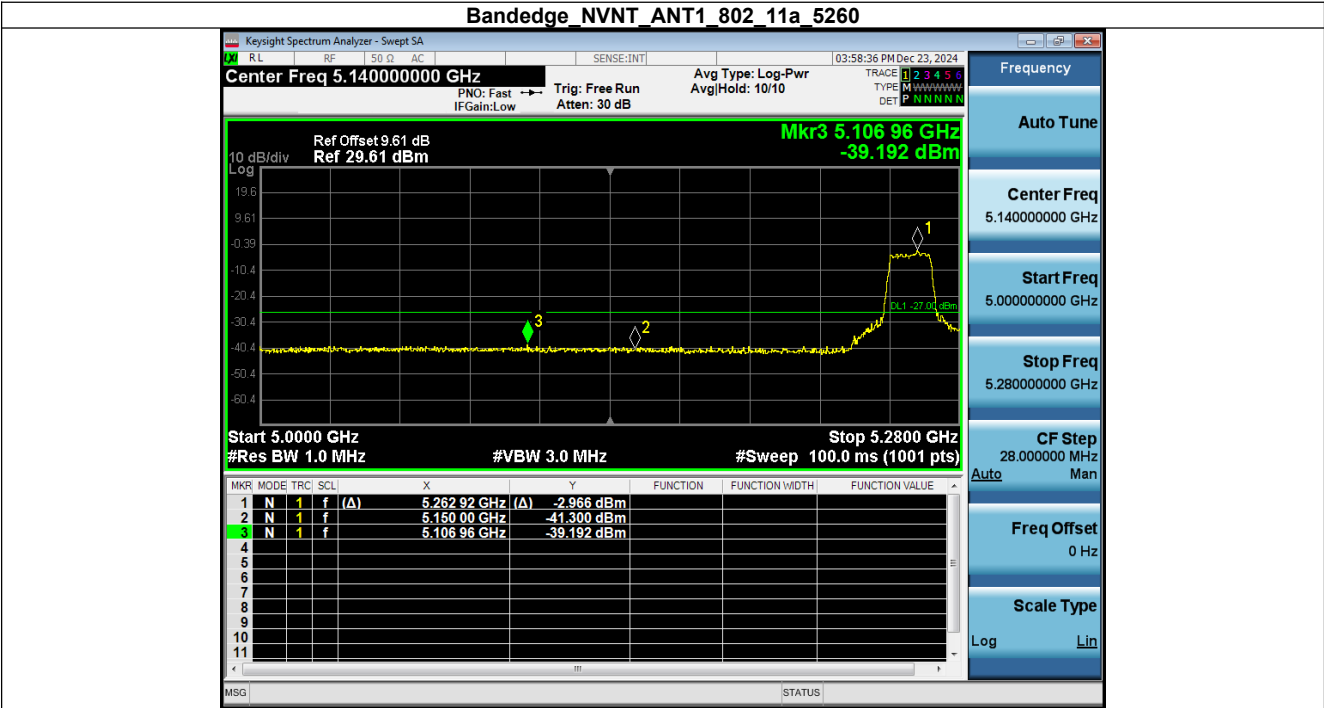
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5310



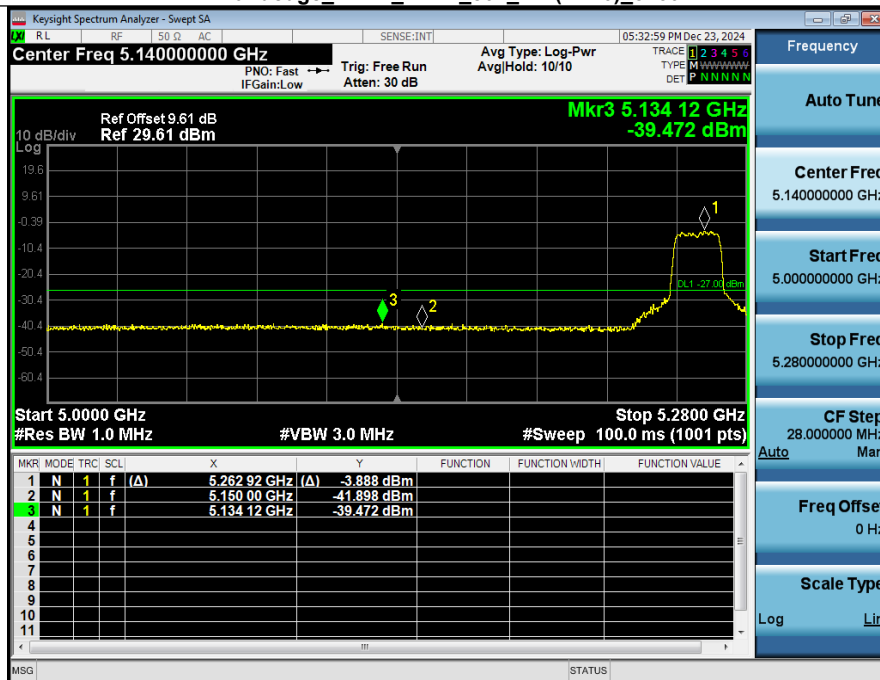
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	5106.96	-39.19	-27	Pass
NVNT	ANT1	802.11a	5320.00	5495.40	-38.99	-27	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	5134.12	-39.47	-27	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	5478.20	-39.24	-27	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	5129.60	-38.92	-27	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	5350.20	-33.81	-27	Pass

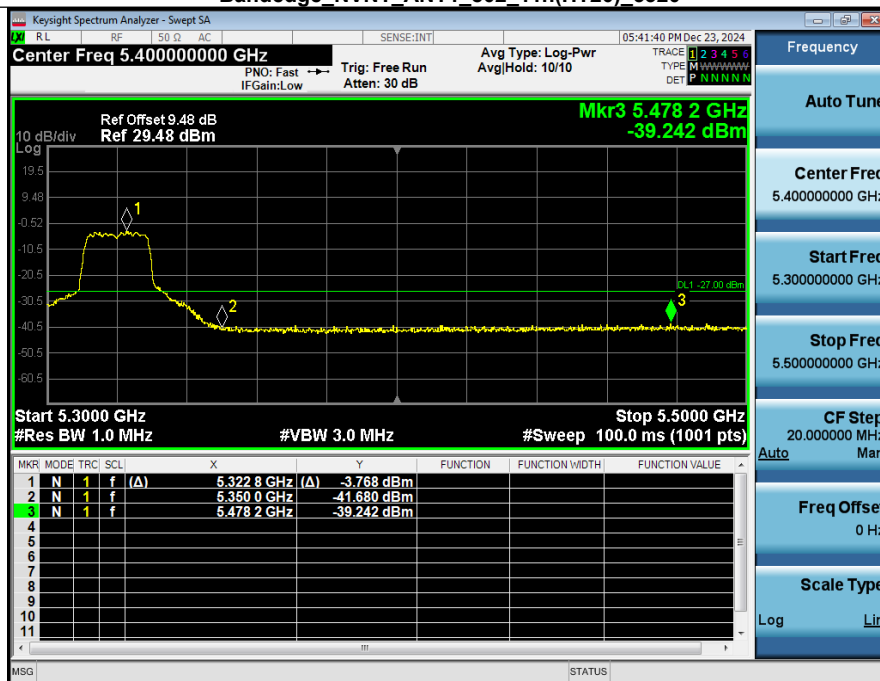
Note:The test diagram has integrated antenna gain to Offset Settings.



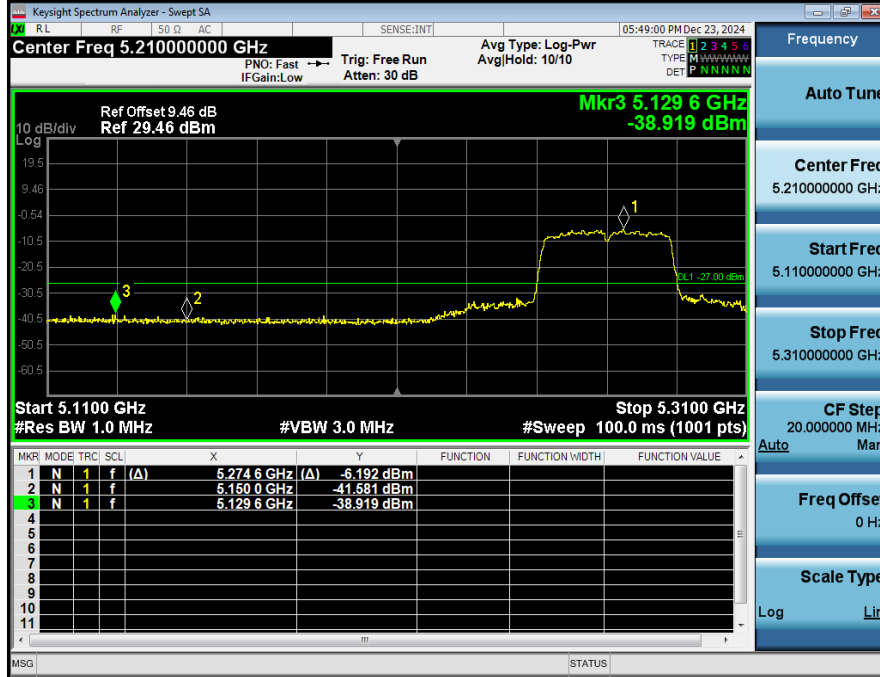
Bandedge_NVNT_ANT1_802_11n(HT20)_5260



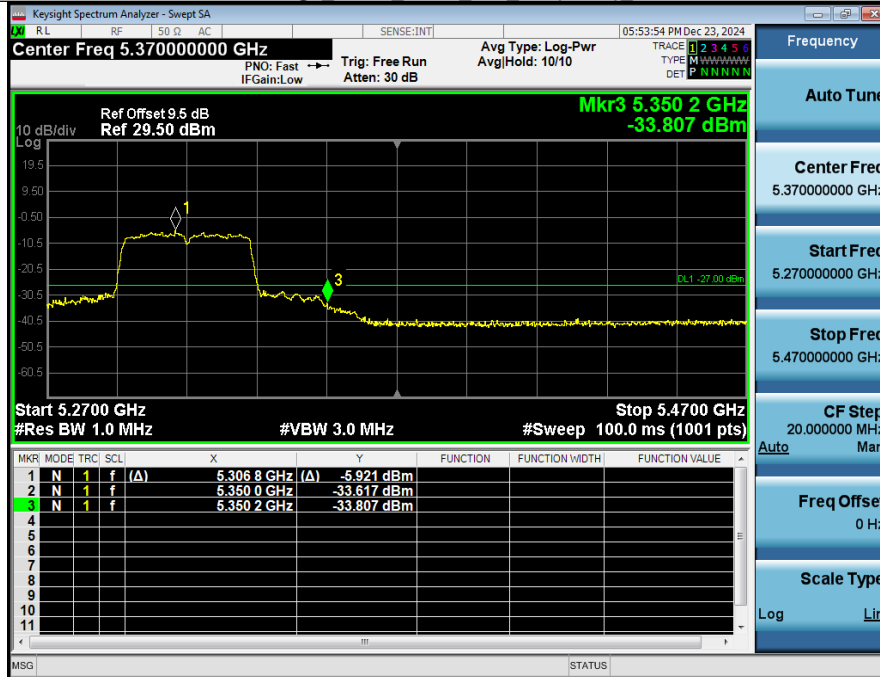
Bandedge_NVNT_ANT1_802_11n(HT20)_5320



Bandedge_NVNT_ANT1_802_11n(HT40)_5270



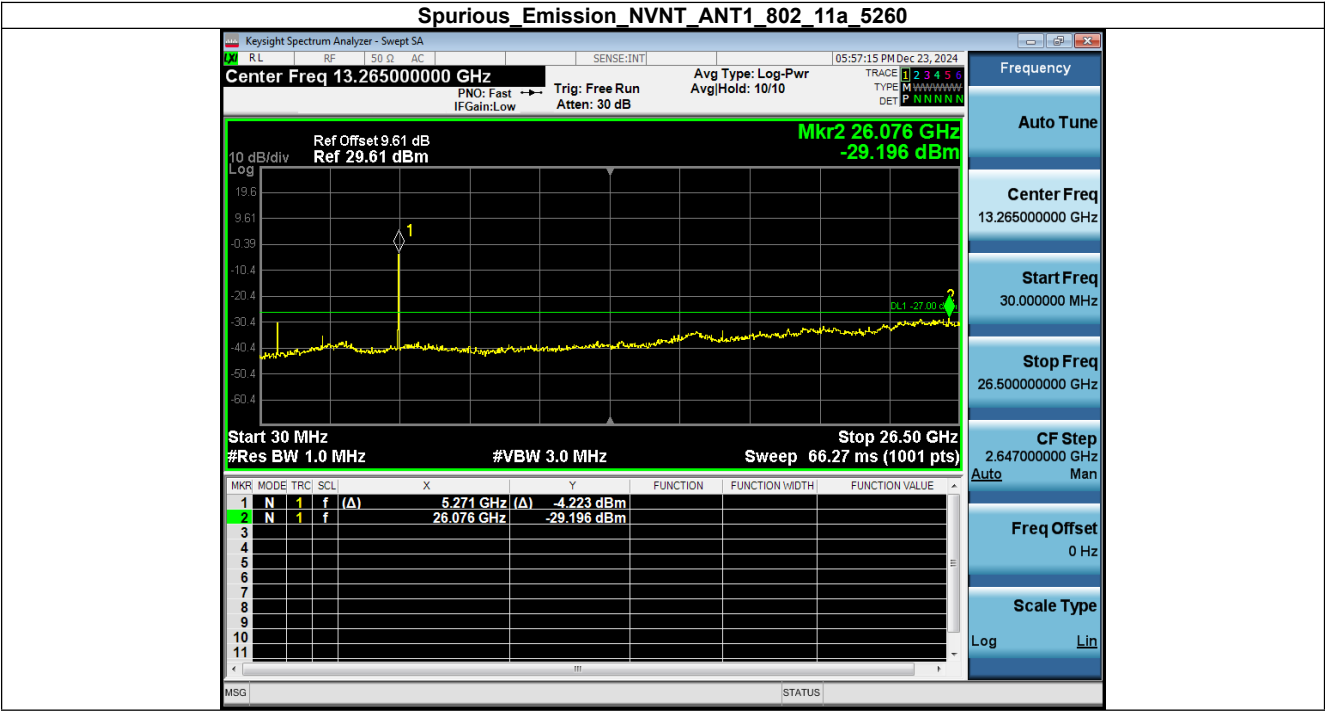
Bandedge_NVNT_ANT1_802_11n(HT40)_5310



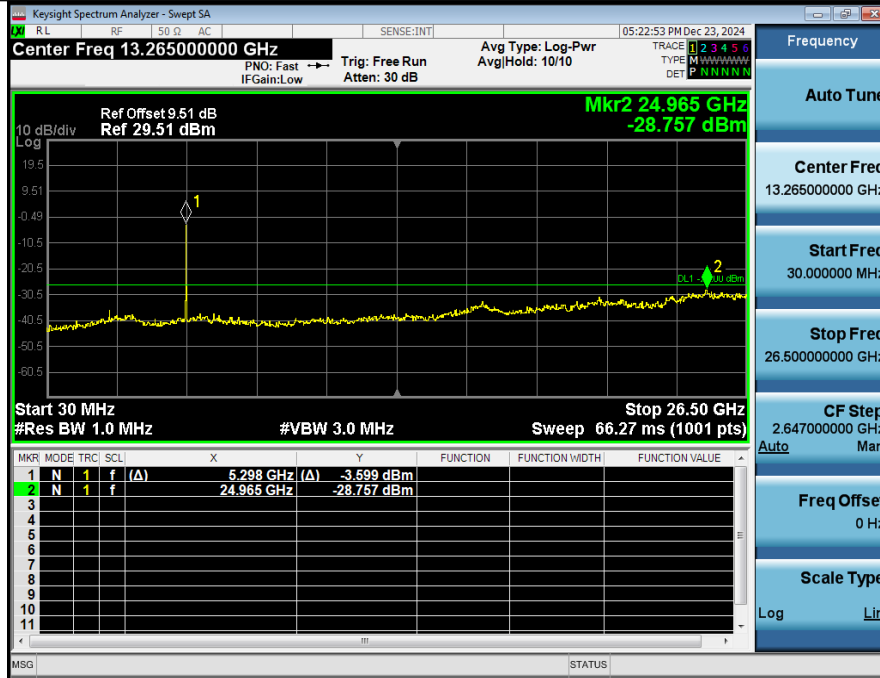
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	26076.48	-29.20	-27	Pass
NVNT	ANT1	802.11a	5300.00	24964.74	-28.76	-27	Pass
NVNT	ANT1	802.11a	5320.00	26129.42	-29.09	-27	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	24991.21	-28.80	-27	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	24991.21	-28.38	-27	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	24938.27	-29.26	-27	Pass
NVNT	ANT1	802.11n(HT40)	5270.00	24885.33	-29.02	-27	Pass
NVNT	ANT1	802.11n(HT40)	5310.00	24964.74	-28.79	-27	Pass

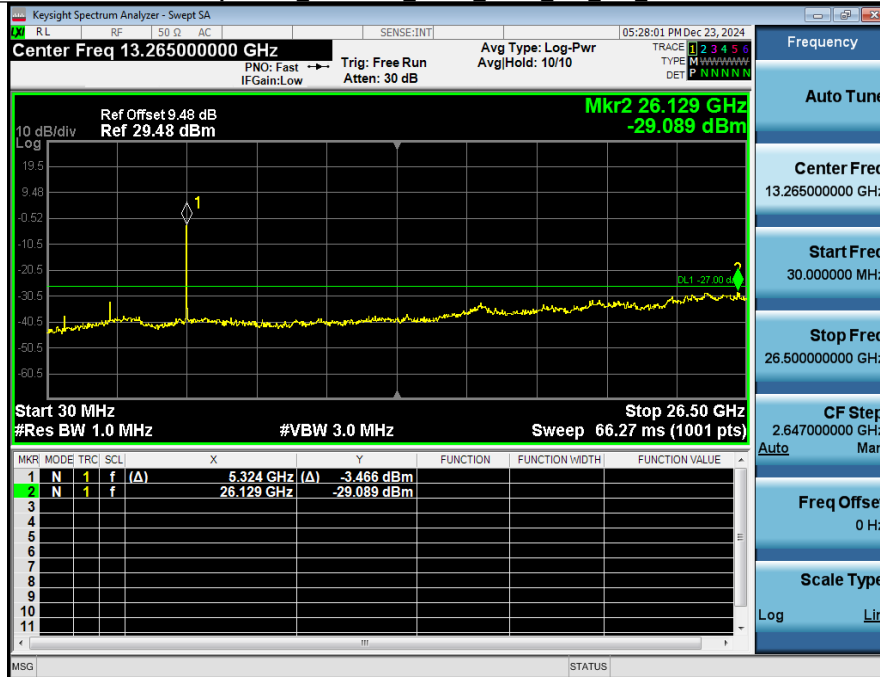
Note:1. The antenna gain is compensated in the test data.
2. 26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz



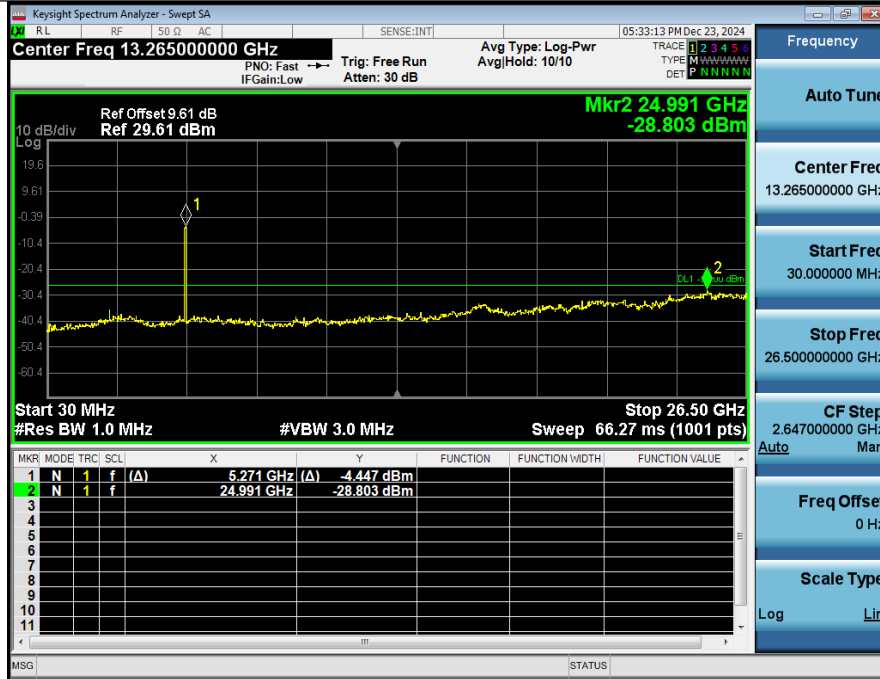
Spurious Emission_NVNT_ANT1_802_11a_5300



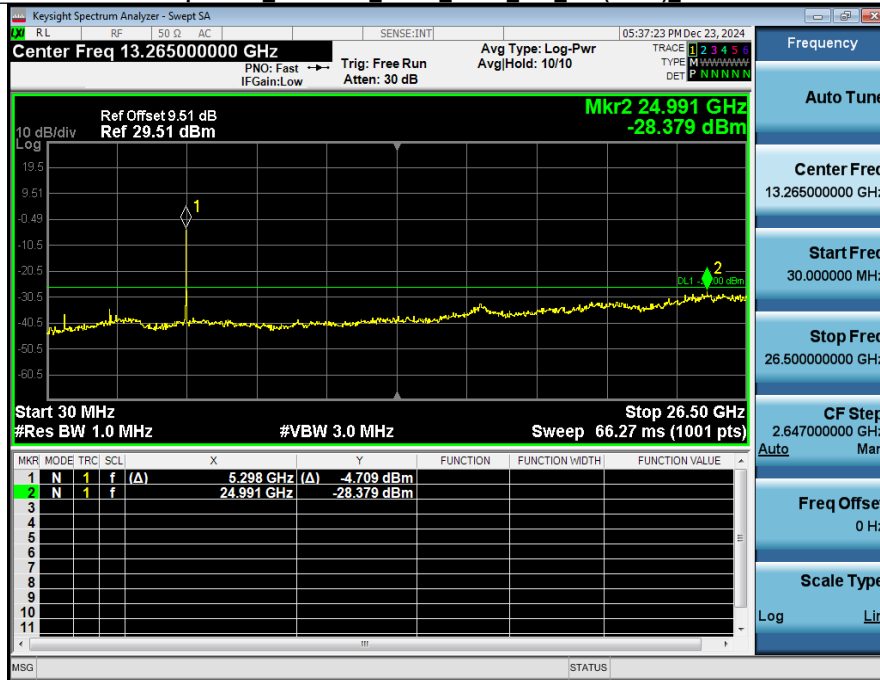
Spurious Emission_NVNT_ANT1_802_11a_5320



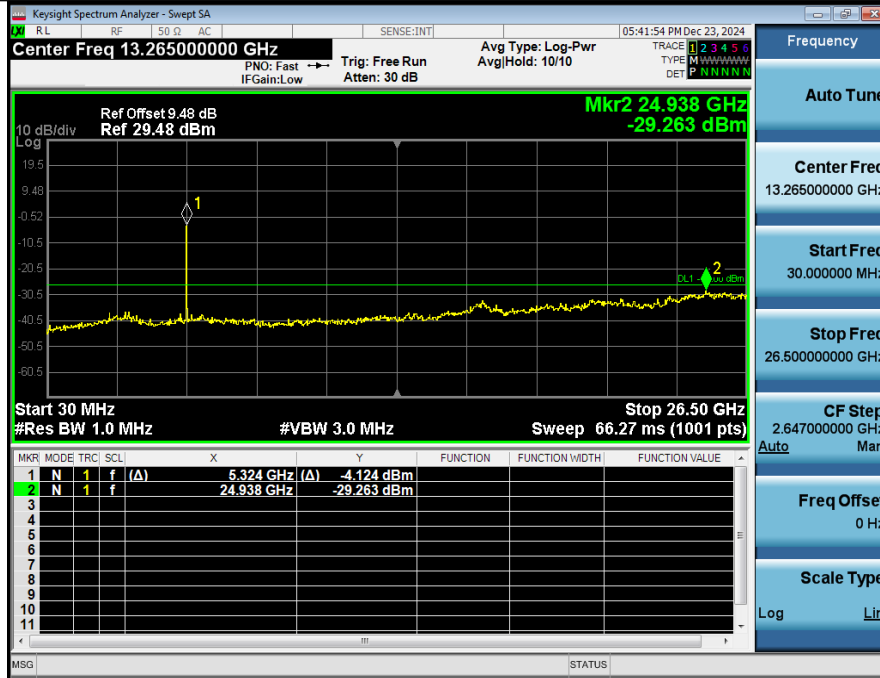
Spurious Emission NVNT_ANT1_802_11n(HT20)_5260



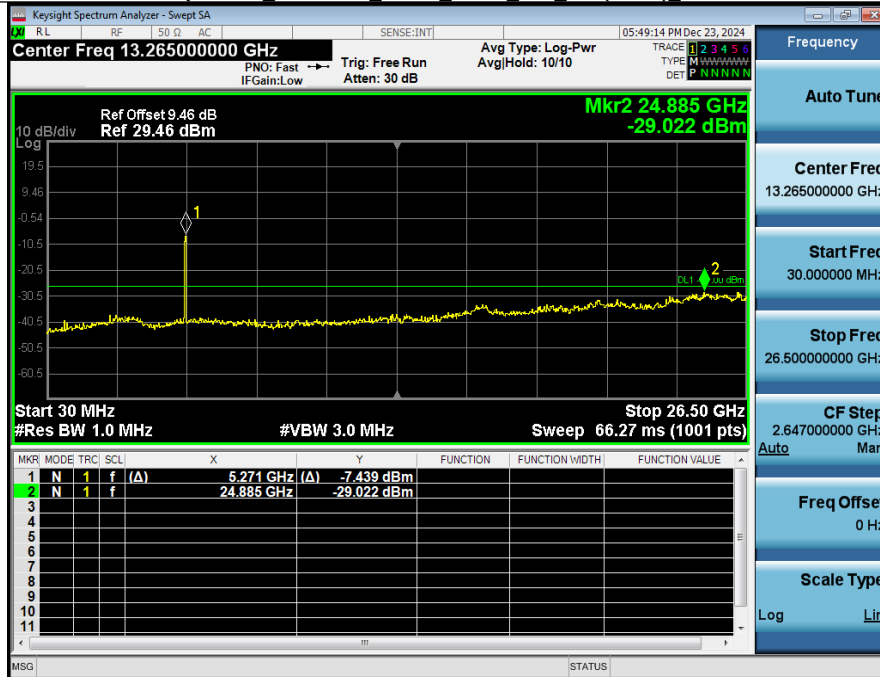
Spurious Emission NVNT_ANT1_802_11n(HT20)_5300



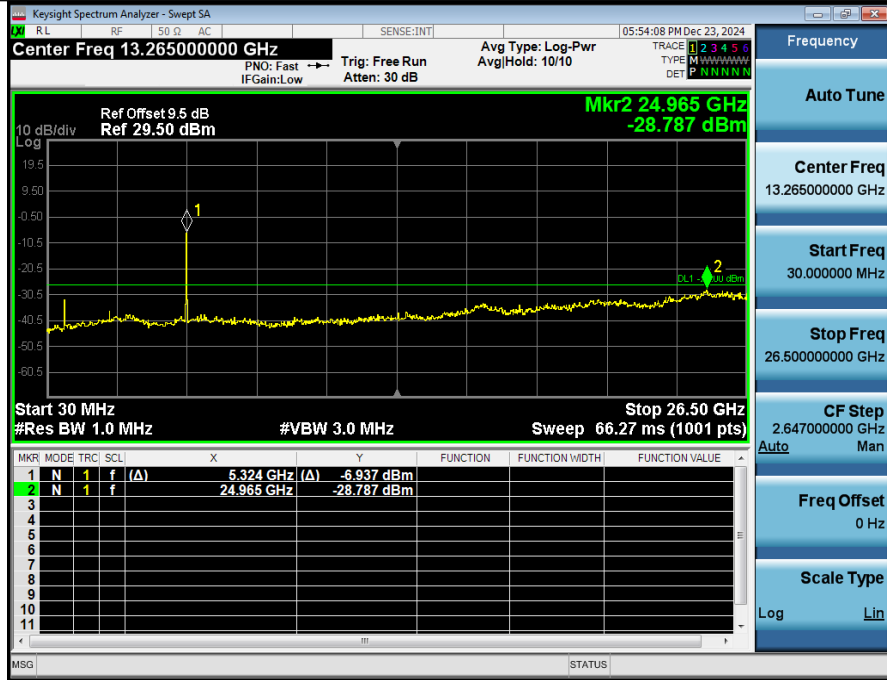
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5320



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5270



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5310



7. Frequency Stability

Condition	Antenna	Modulation	Frequency(MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5260.00	5259.998	5251.332	5268.664	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11a	5260.00	5260.044	5251.676	5268.412	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11a	5260.00	5260.036	5251.780	5268.292	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5260.00	5260.052	5251.868	5268.236	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11a	5260.00	5260.054	5251.928	5268.180	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11a	5260.00	5260.058	5251.992	5268.124	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11a	5260.00	5260.062	5252.048	5268.076	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11a	5260.00	5260.070	5252.108	5268.032	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11a	5260.00	5260.076	5252.148	5268.004	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5260.00	5260.080	5252.196	5267.964	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11a	5260.00	5260.078	5252.236	5267.920	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11a	5300.00	5299.984	5291.212	5308.756	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11a	5300.00	5300.010	5291.612	5308.408	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11a	5300.00	5300.024	5291.752	5308.296	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5300.00	5300.020	5291.824	5308.216	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11a	5300.00	5300.024	5291.892	5308.156	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11a	5300.00	5300.022	5291.948	5308.096	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11a	5300.00	5300.034	5292.004	5308.064	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11a	5300.00	5300.026	5292.056	5307.996	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11a	5300.00	5300.026	5292.104	5307.948	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5300.00	5300.018	5292.140	5307.896	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11a	5300.00	5300.008	5292.180	5307.836	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11a	5320.00	5320.102	5311.172	5329.032	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11a	5320.00	5320.056	5311.628	5328.484	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11a	5320.00	5320.048	5311.760	5328.336	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5320.00	5320.056	5311.844	5328.268	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11a	5320.00	5320.054	5311.904	5328.204	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11a	5320.00	5320.058	5311.964	5328.152	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11a	5320.00	5320.064	5312.020	5328.108	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11a	5320.00	5320.070	5312.068	5328.072	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11a	5320.00	5320.070	5312.108	5328.032	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11a	5320.00	5320.062	5312.148	5327.976	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11a	5320.00	5320.056	5312.188	5327.924	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.064	5250.928	5269.200	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.070	5251.128	5269.012	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.066	5251.204	5268.928	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.066	5251.276	5268.856	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.068	5251.336	5268.800	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.074	5251.400	5268.748	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.090	5251.444	5268.736	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.096	5251.508	5268.684	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5260.00	5260.096	5251.560	5268.632	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5260.00	5260.110	5251.620	5268.600	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5260.00	5260.116	5251.672	5268.560	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.038	5290.868	5309.208	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.042	5291.080	5309.004	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.032	5291.168	5308.896	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.032	5291.232	5308.832	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.042	5291.292	5308.792	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.032	5291.344	5308.720	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.040	5291.396	5308.684	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.054	5291.440	5308.668	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5300.00	5300.032	5291.484	5308.580	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5300.00	5300.046	5291.536	5308.556	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5300.00	5300.042	5291.596	5308.488	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.098	5310.856	5329.340	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.070	5311.100	5329.040	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.082	5311.220	5328.944	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.084	5311.304	5328.864	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.092	5311.356	5328.828	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.088	5311.396	5328.780	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.088	5311.444	5328.732	5250~5350	Pass

-15degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.094	5311.492	5328.696	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5320.00	5320.118	5311.540	5328.696	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5320.00	5320.106	5311.604	5328.608	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5320.00	5320.116	5311.668	5328.564	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.116	5251.832	5288.400	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.124	5252.032	5288.216	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.104	5252.176	5288.032	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.108	5252.280	5287.936	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.132	5252.384	5287.880	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.120	5252.512	5287.728	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.132	5252.632	5287.632	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.144	5252.776	5287.512	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5270.00	5270.160	5252.904	5287.416	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5270.00	5270.156	5253.040	5287.272	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5270.00	5270.200	5253.168	5287.232	5250~5350	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.132	5291.752	5328.512	5250~5350	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.104	5291.968	5328.240	5250~5350	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.136	5292.112	5328.160	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.116	5292.224	5328.008	5250~5350	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.108	5292.312	5327.904	5250~5350	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.088	5292.400	5327.776	5250~5350	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.064	5292.480	5327.648	5250~5350	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.068	5292.592	5327.544	5250~5350	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5310.00	5310.084	5292.704	5327.464	5250~5350	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5310.00	5310.120	5292.816	5327.424	5250~5350	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5310.00	5310.132	5292.952	5327.312	5250~5350	Pass