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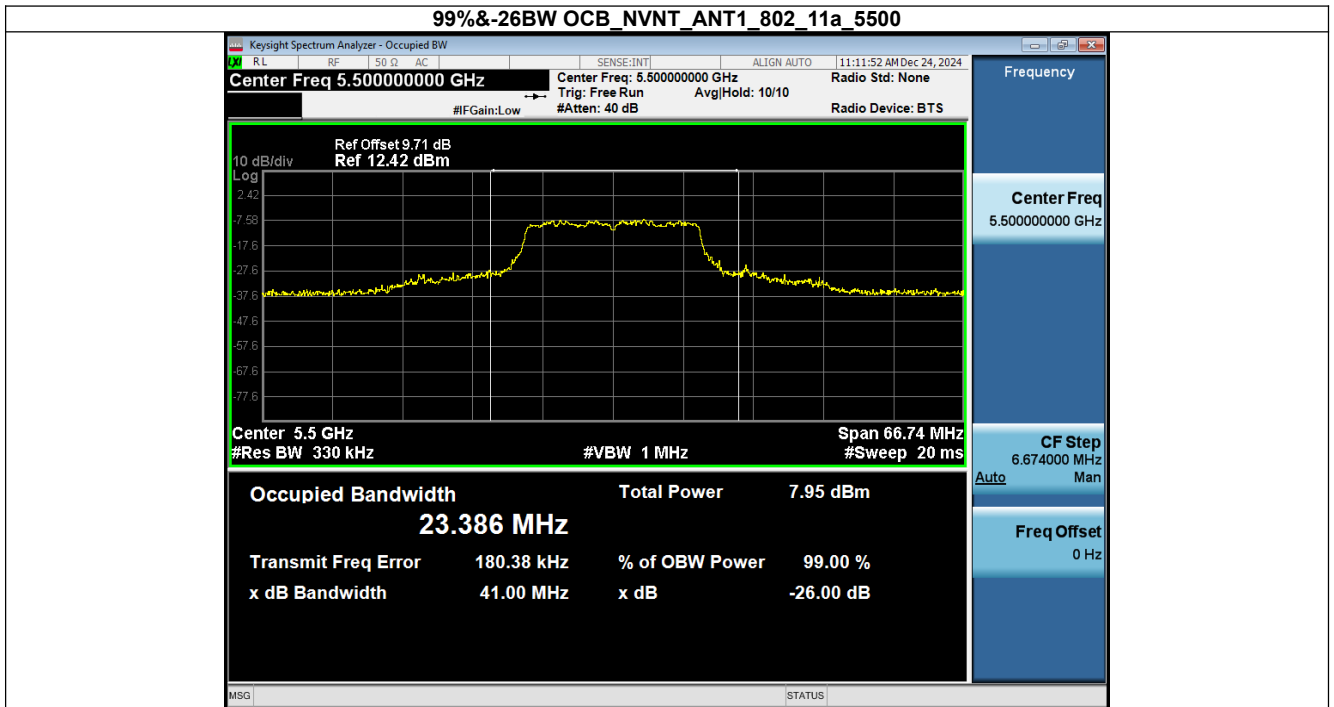
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FCC ID:2BBGK-CP8

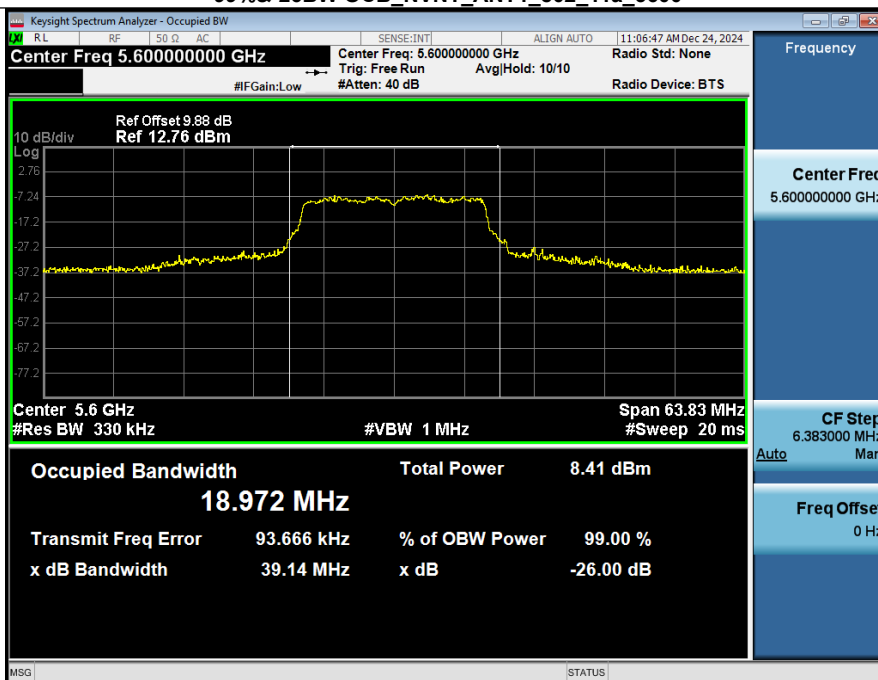
FCC_5.6G_WIFI (Part15.407) Test Data

1. -26dB and 99% Emission Bandwidth

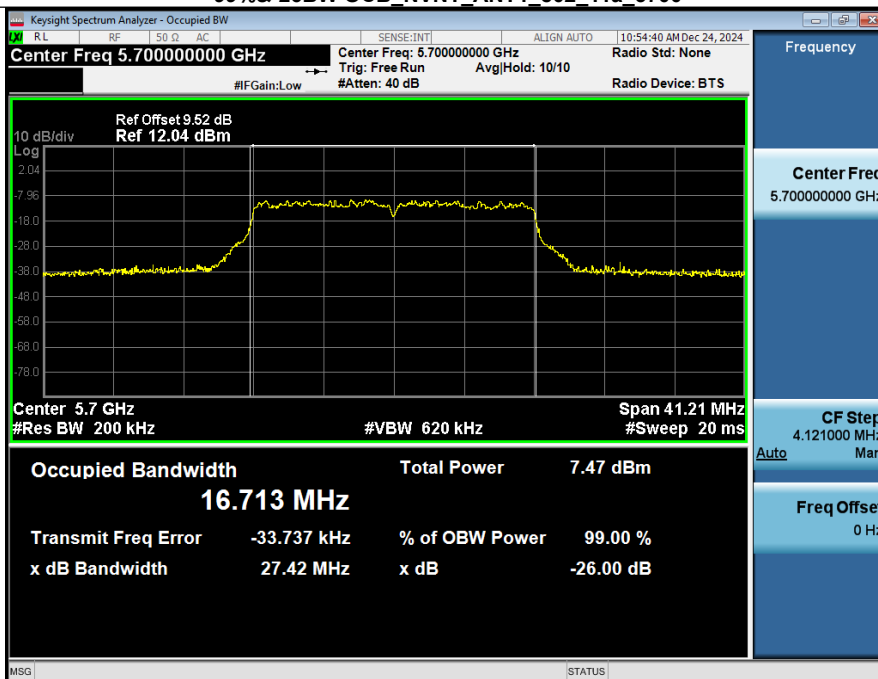
Condition	Antenna	Modulation	Frequency(MHz)	- 26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5500.00	41.00	23.386
NVNT	ANT1	802.11a	5600.00	39.14	18.972
NVNT	ANT1	802.11a	5700.00	27.42	16.713
NVNT	ANT1	802.11n(HT20)	5500.00	44.09	24.618
NVNT	ANT1	802.11n(HT20)	5600.00	41.19	19.293
NVNT	ANT1	802.11n(HT20)	5700.00	21.67	17.946
NVNT	ANT1	802.11n(HT40)	5510.00	129.21	68.497
NVNT	ANT1	802.11n(HT40)	5590.00	132.82	64.207
NVNT	ANT1	802.11n(HT40)	5670.00	119.08	54.102



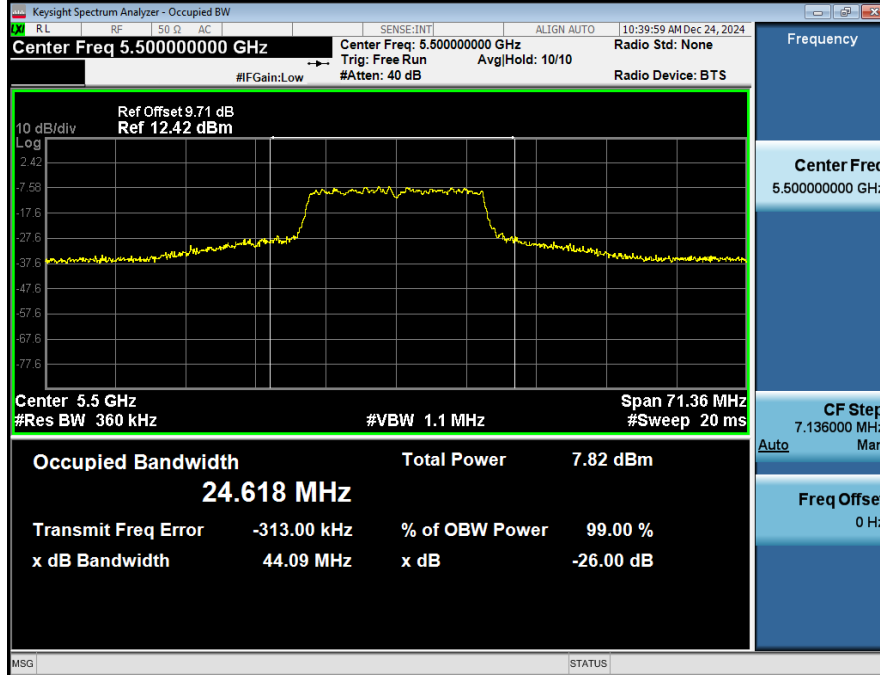
99%&-26BW OCB_NVNT_ANT1_802_11a_5600



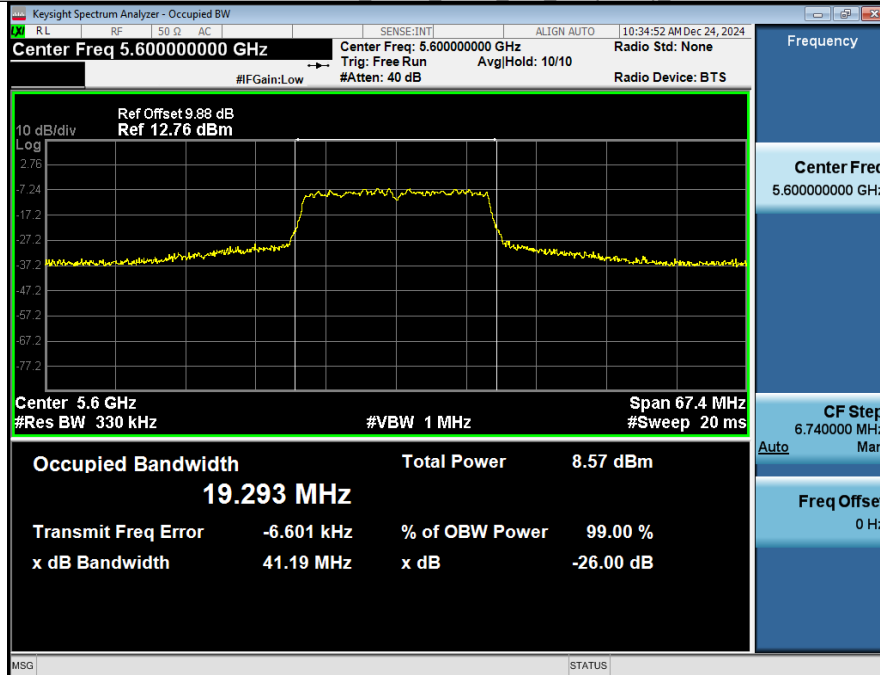
99%&-26BW OCB_NVNT_ANT1_802_11a_5700



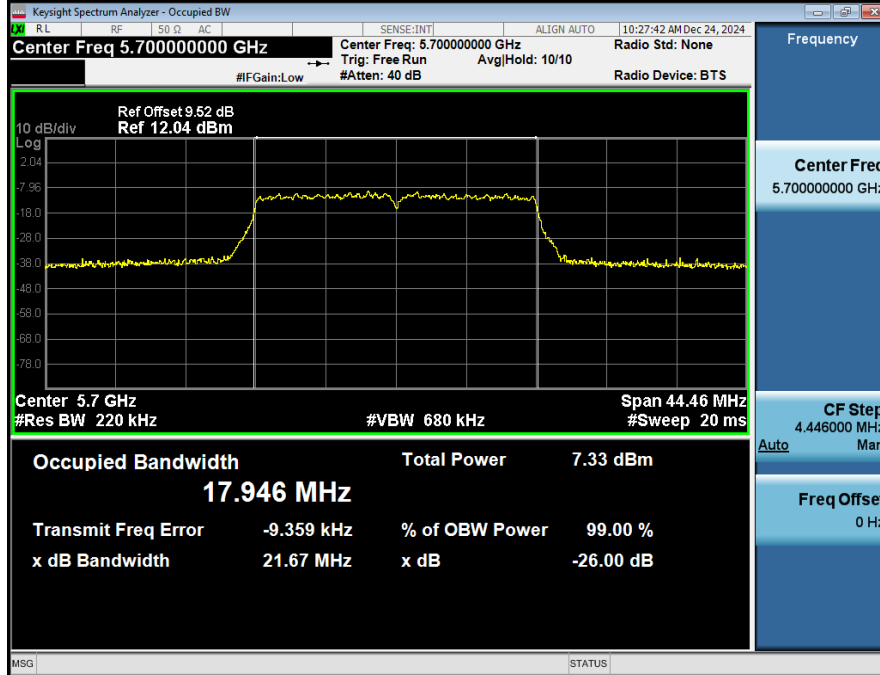
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5500



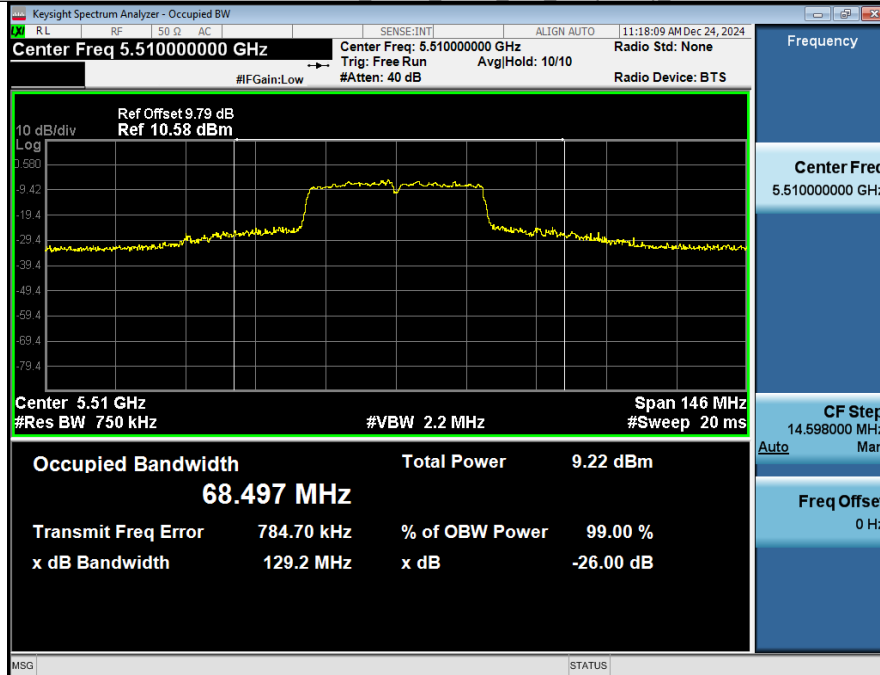
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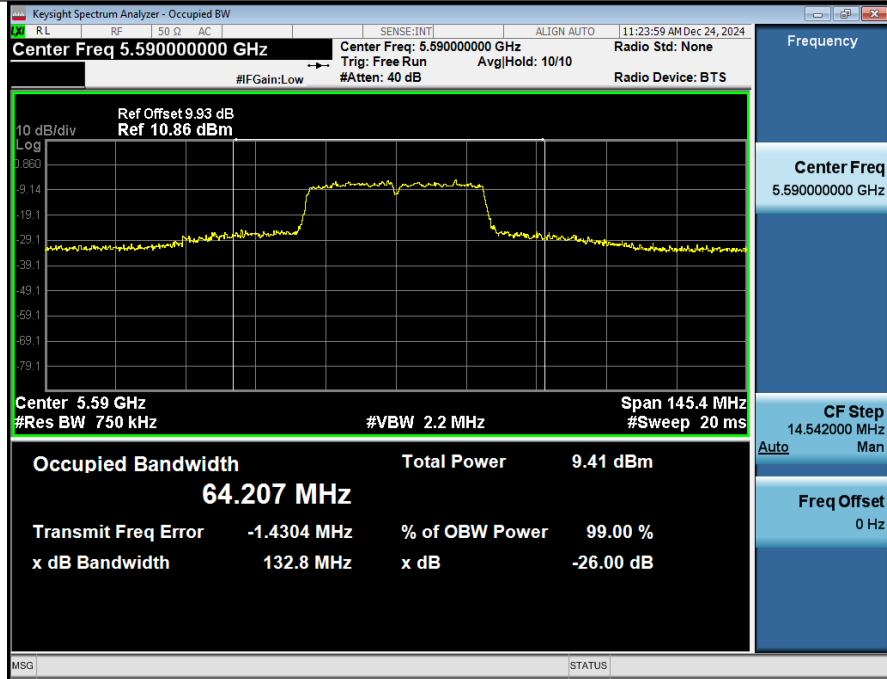
99%&-26BW OCB_NVNT_ANT1_802_11n(HT20)_5700



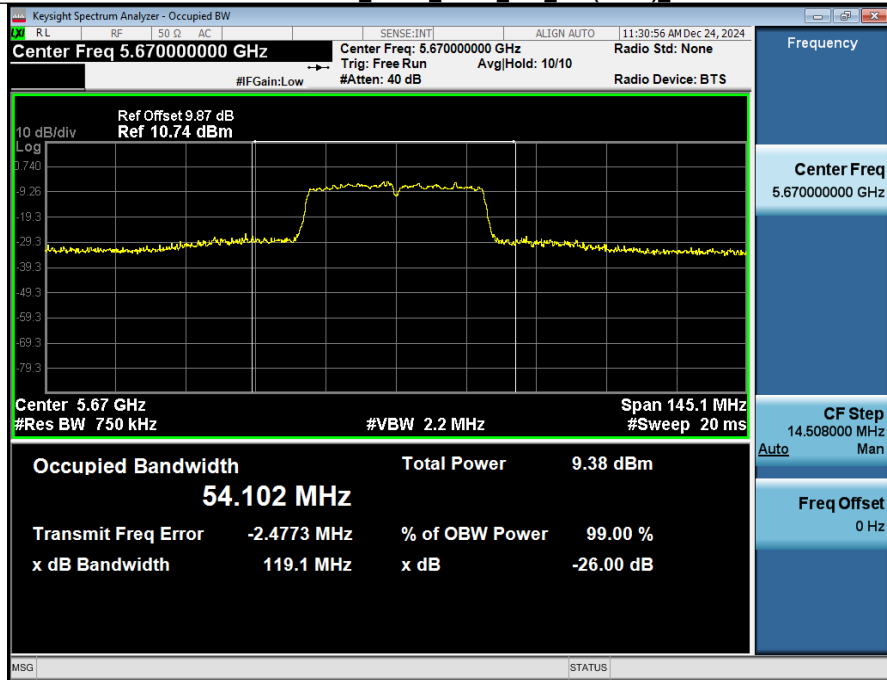
99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5510



99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5590

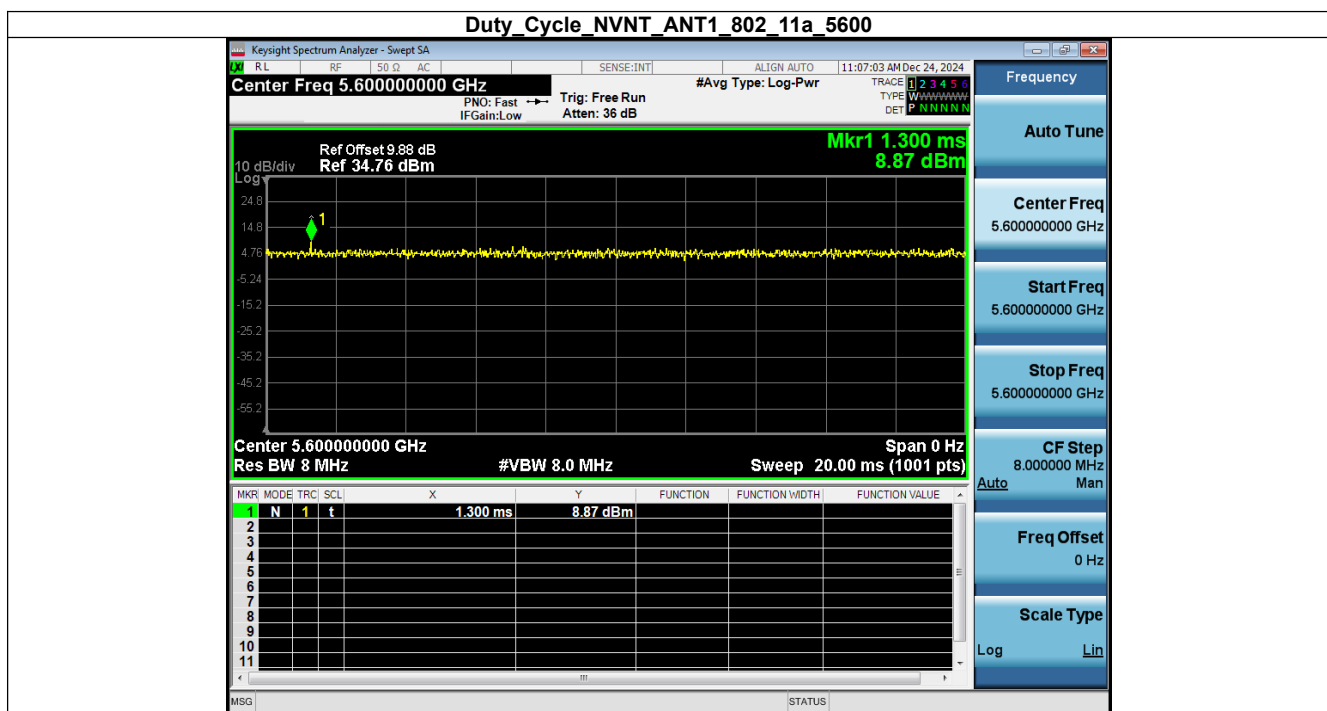
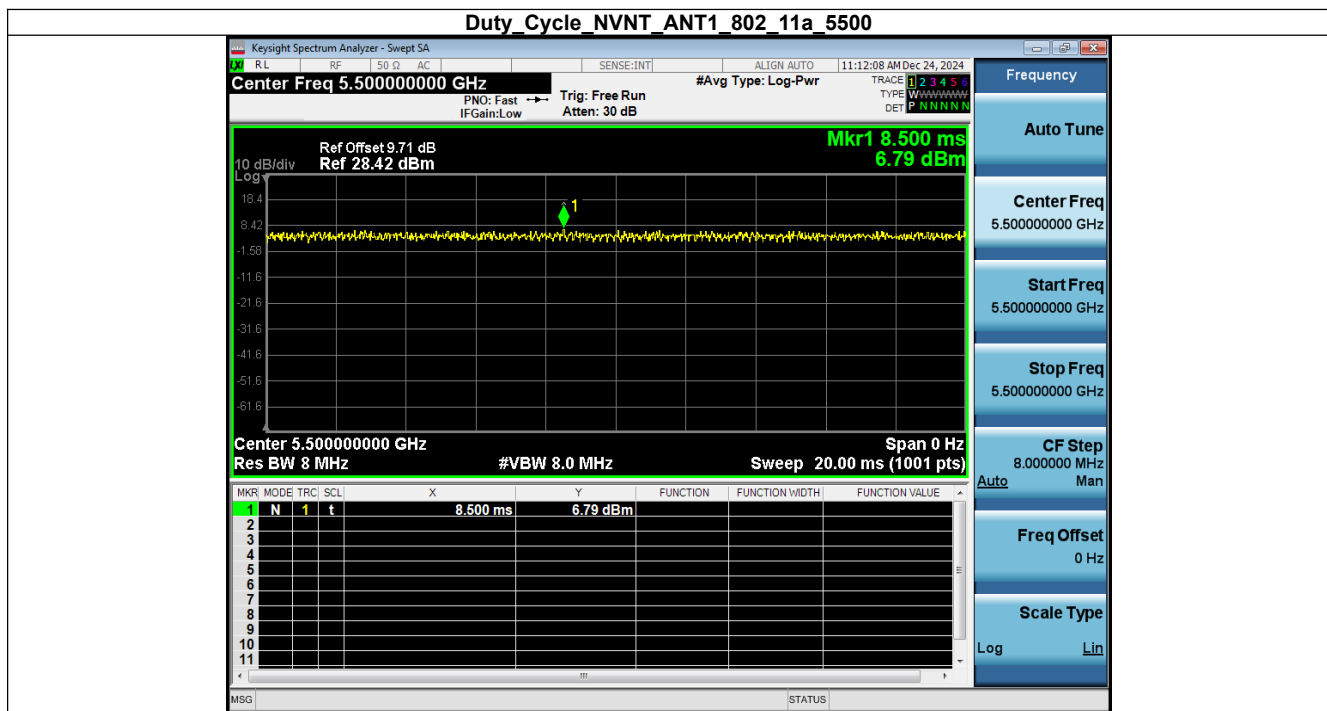


99%&-26BW OCB_NVNT_ANT1_802_11n(HT40)_5670

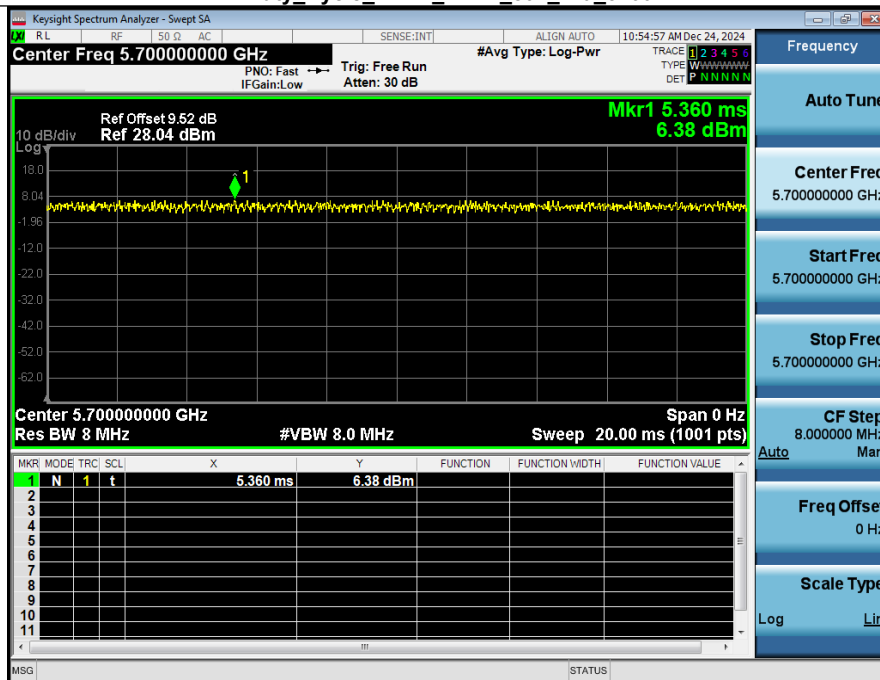


2. Duty Cycle

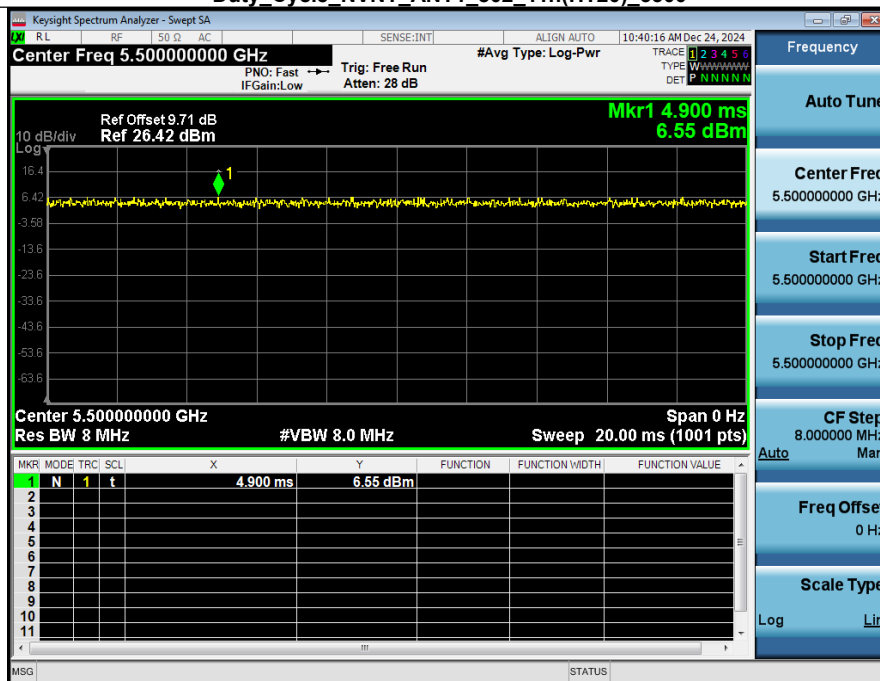
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5500.00	100	0.00
NVNT	ANT1	802.11a	5600.00	100	0.00
NVNT	ANT1	802.11a	5700.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5500.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5600.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5700.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5510.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5590.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5670.00	100	0.00



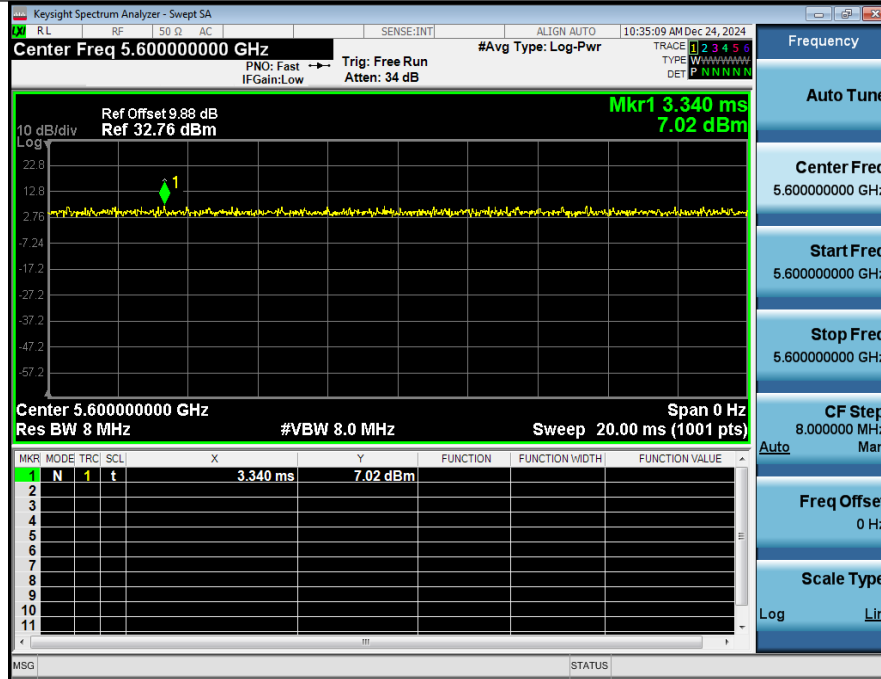
Duty Cycle NVNT_ANT1_802_11a_5700



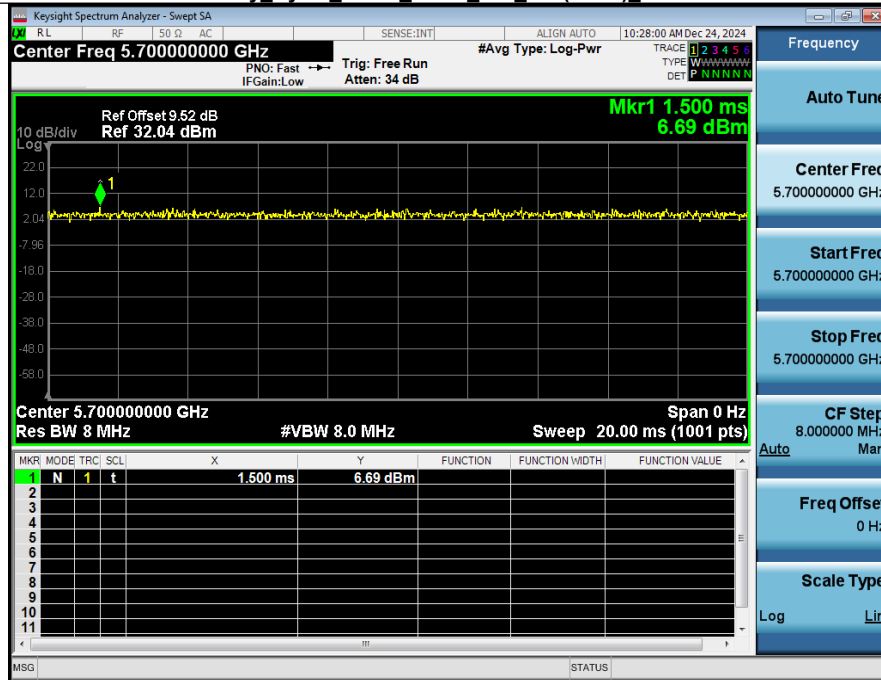
Duty Cycle NVNT_ANT1_802_11n(HT20)_5500



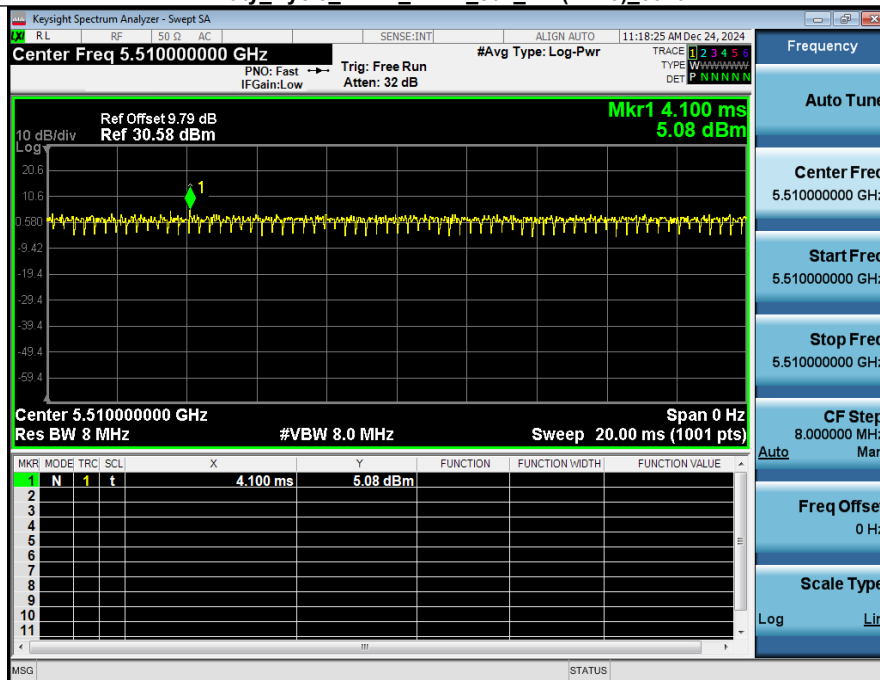
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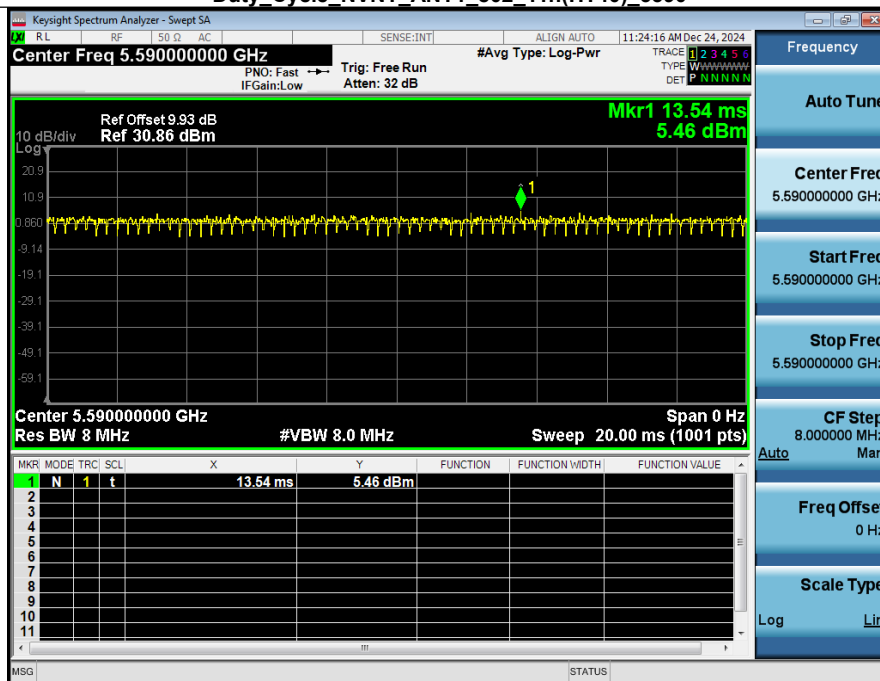
Duty Cycle NVNT_ANT1_802_11n(HT20)_5700



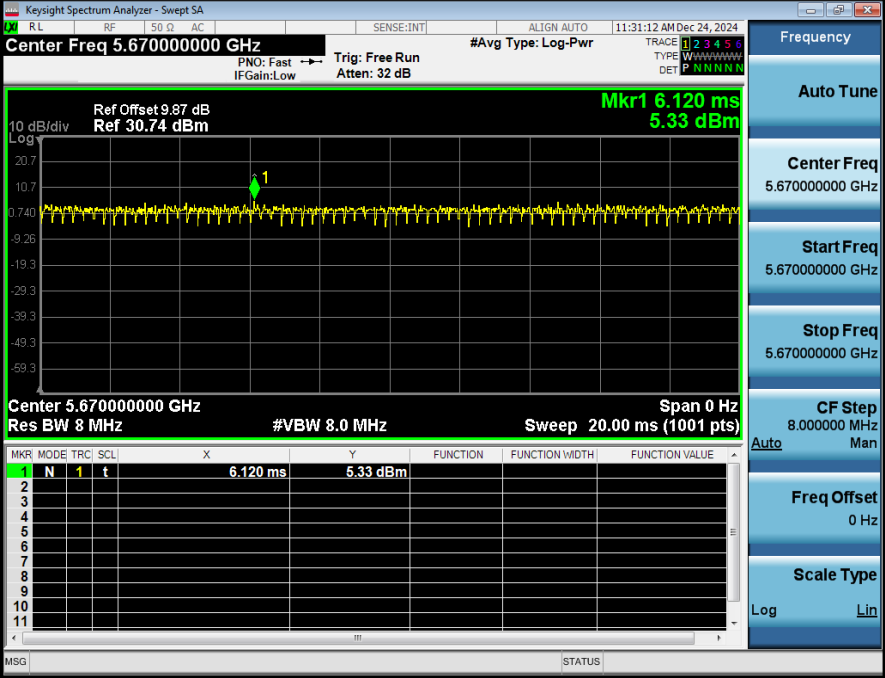
Duty Cycle NVNT_ANT1_802_11n(HT40)_5510



Duty Cycle NVNT_ANT1_802_11n(HT40)_5590

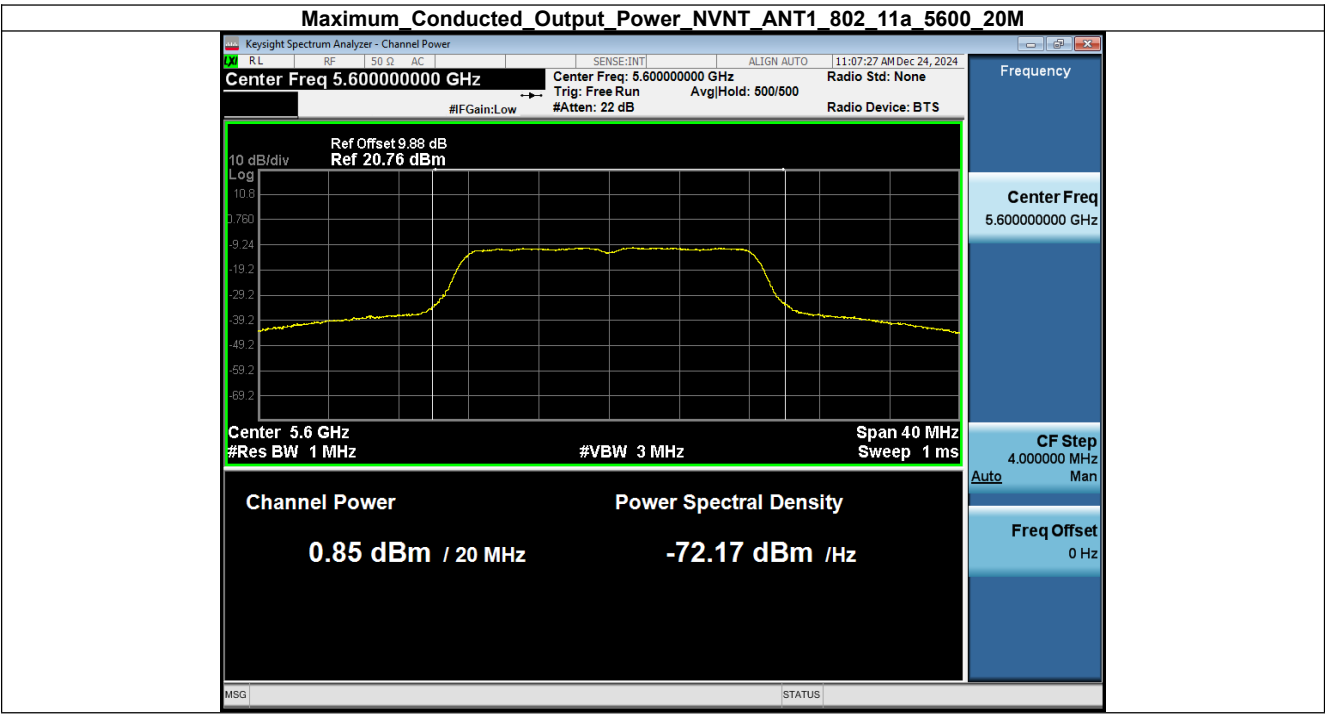
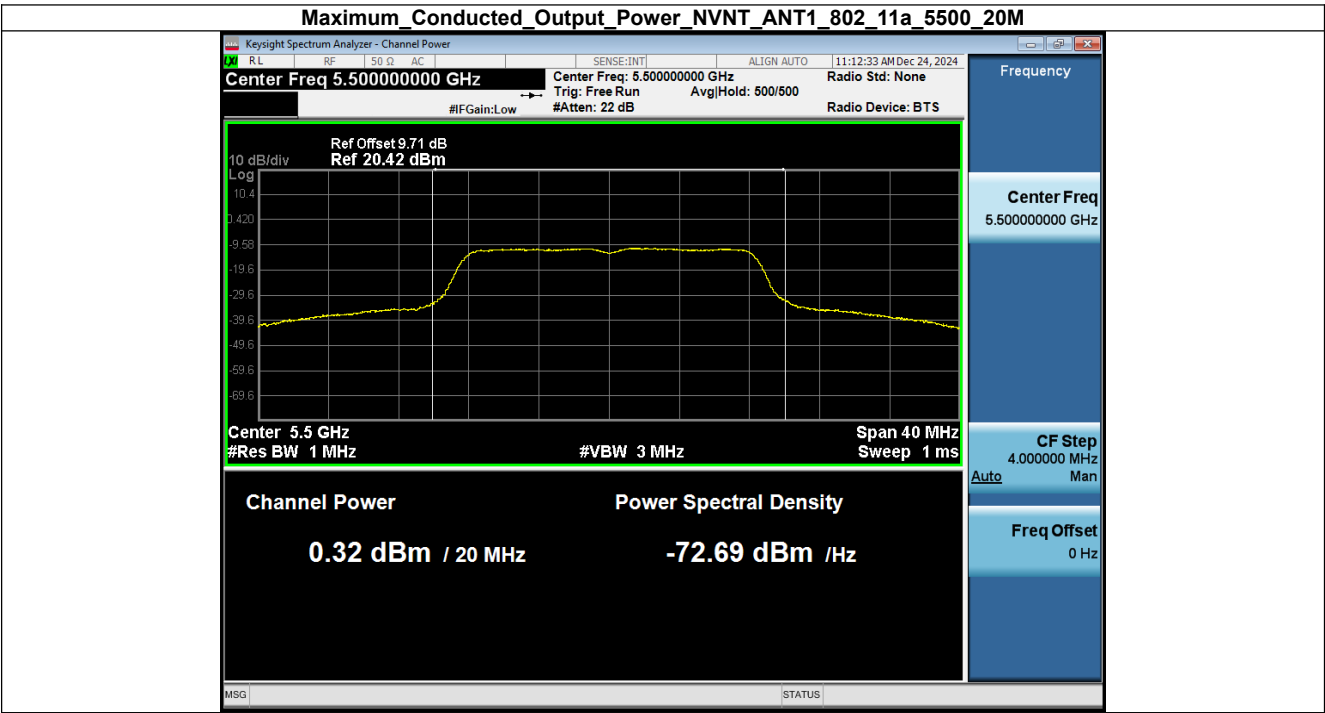


Duty Cycle NVNT_ANT1_802_11n(HT40)_5670

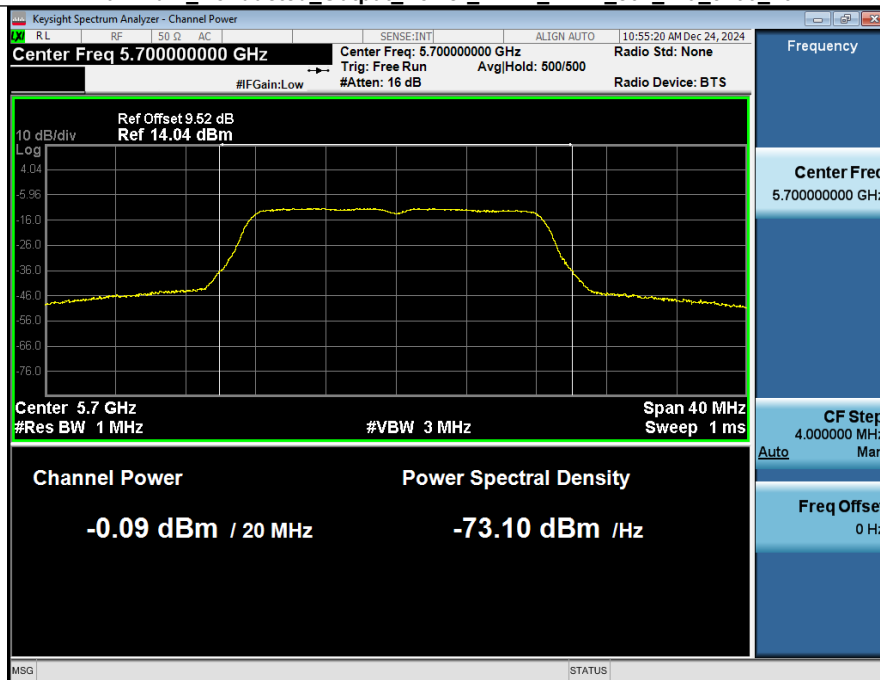


3. Maximum Conducted Output Power

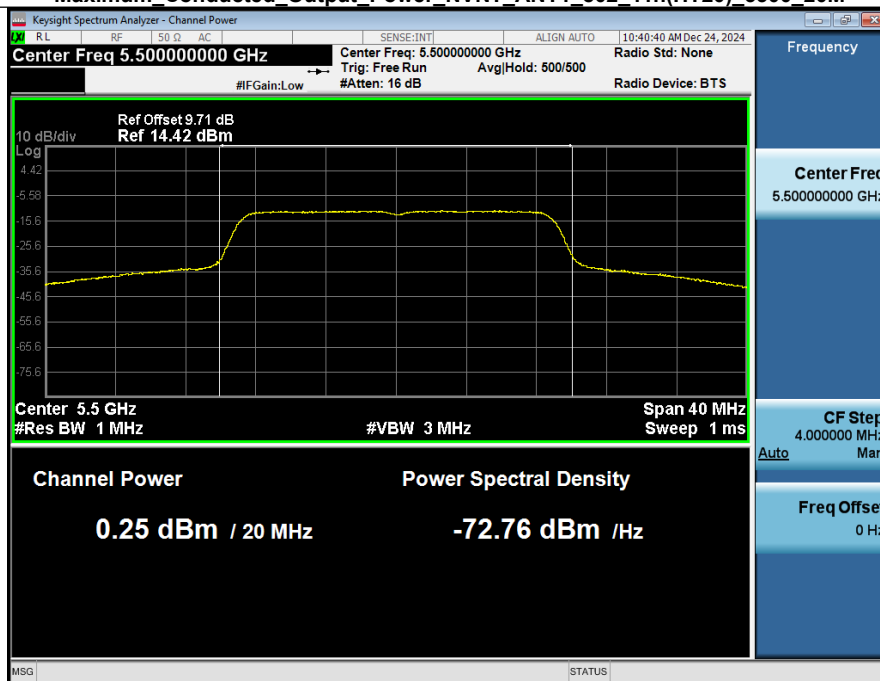
Condition	Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	0.32	0.00	0.32	24	Pass
NVNT	ANT1	802.11a	5600.00	0.85	0.00	0.85	24	Pass
NVNT	ANT1	802.11a	5700.00	-0.09	0.00	-0.09	24	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	0.25	0.00	0.25	24	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	1.24	0.00	1.24	24	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	0.14	0.00	0.14	24	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	1.27	0.00	1.27	24	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	1.37	0.00	1.37	24	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	1.22	0.00	1.22	24	Pass



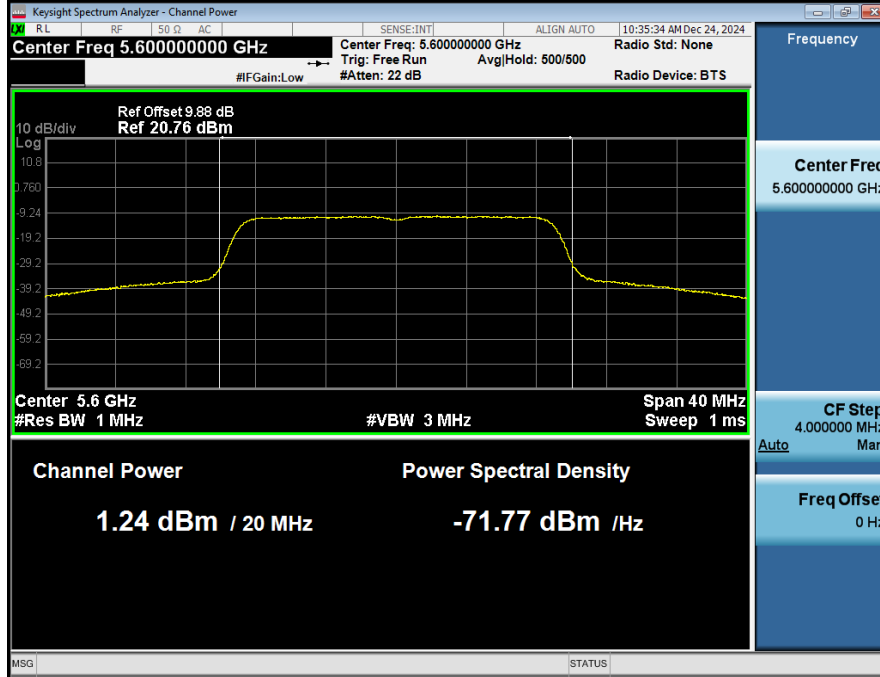
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5700_20M



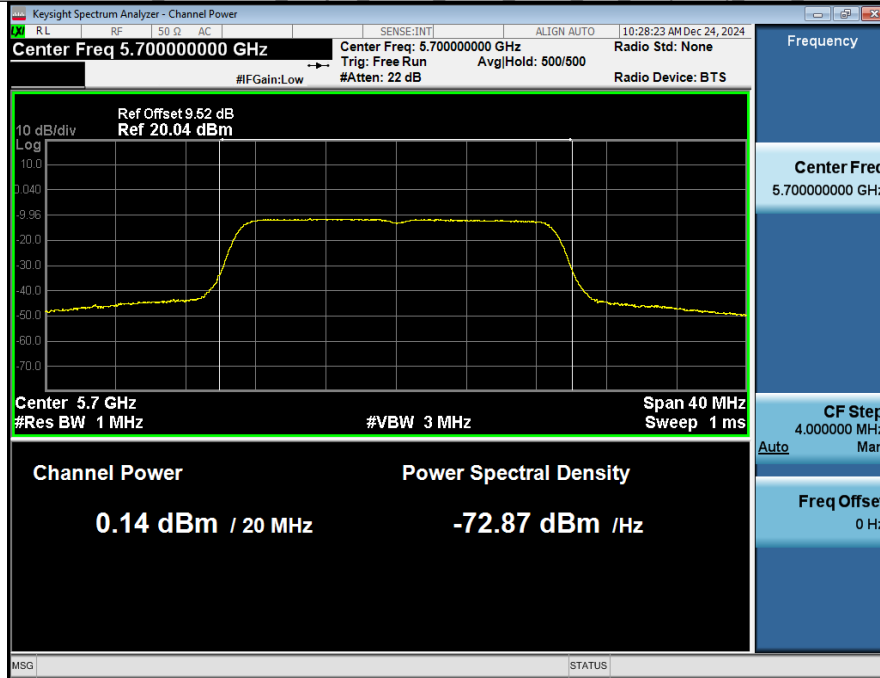
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5500_20M



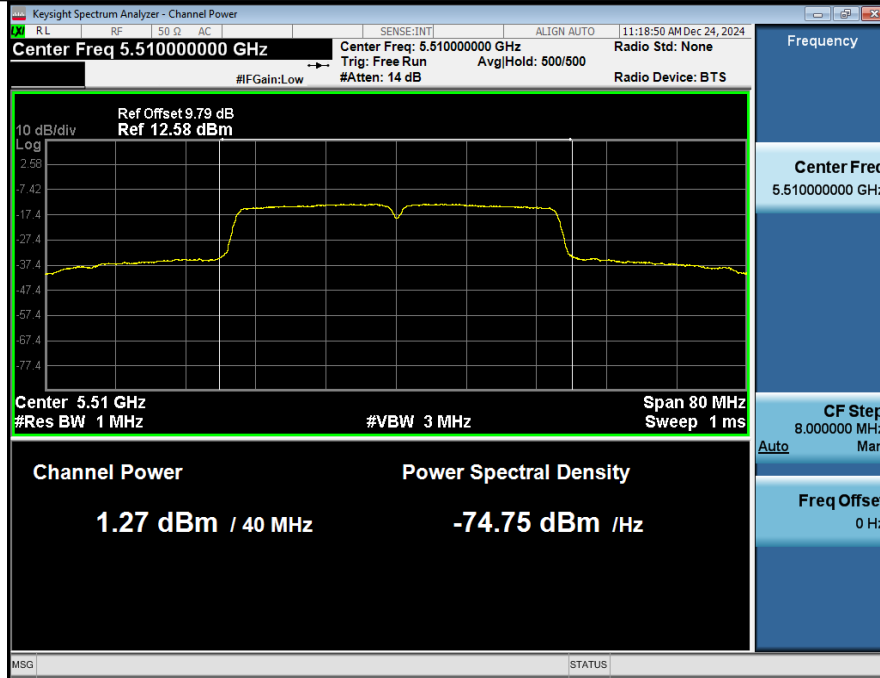
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5600_20M



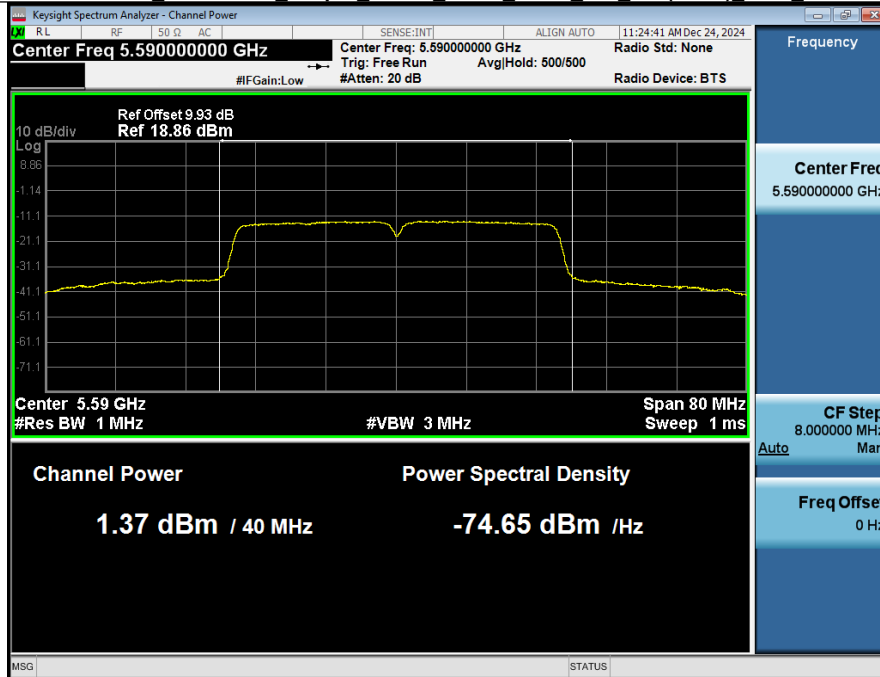
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5700_20M



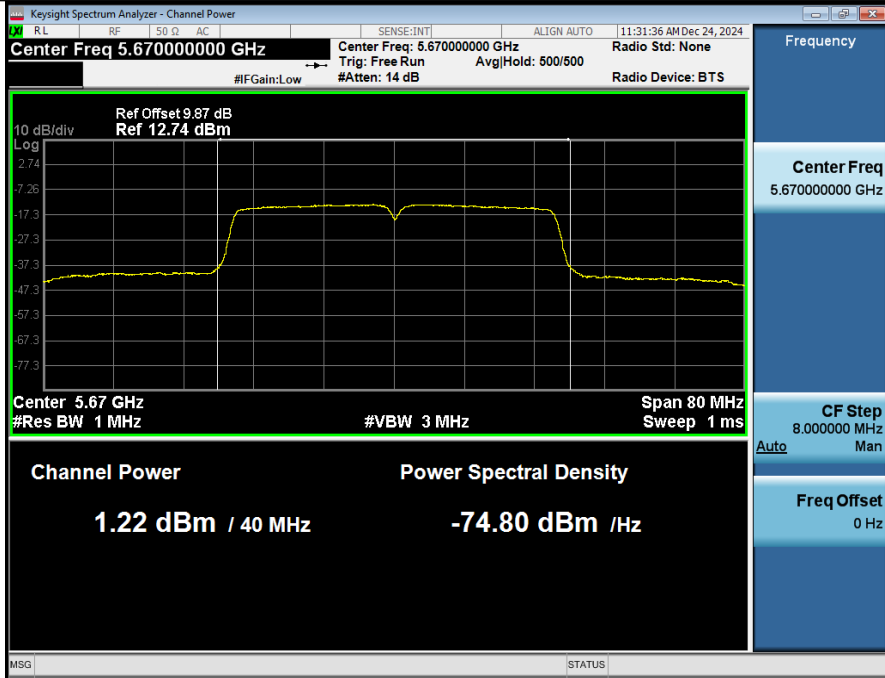
Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5510_40M



Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5590_40M

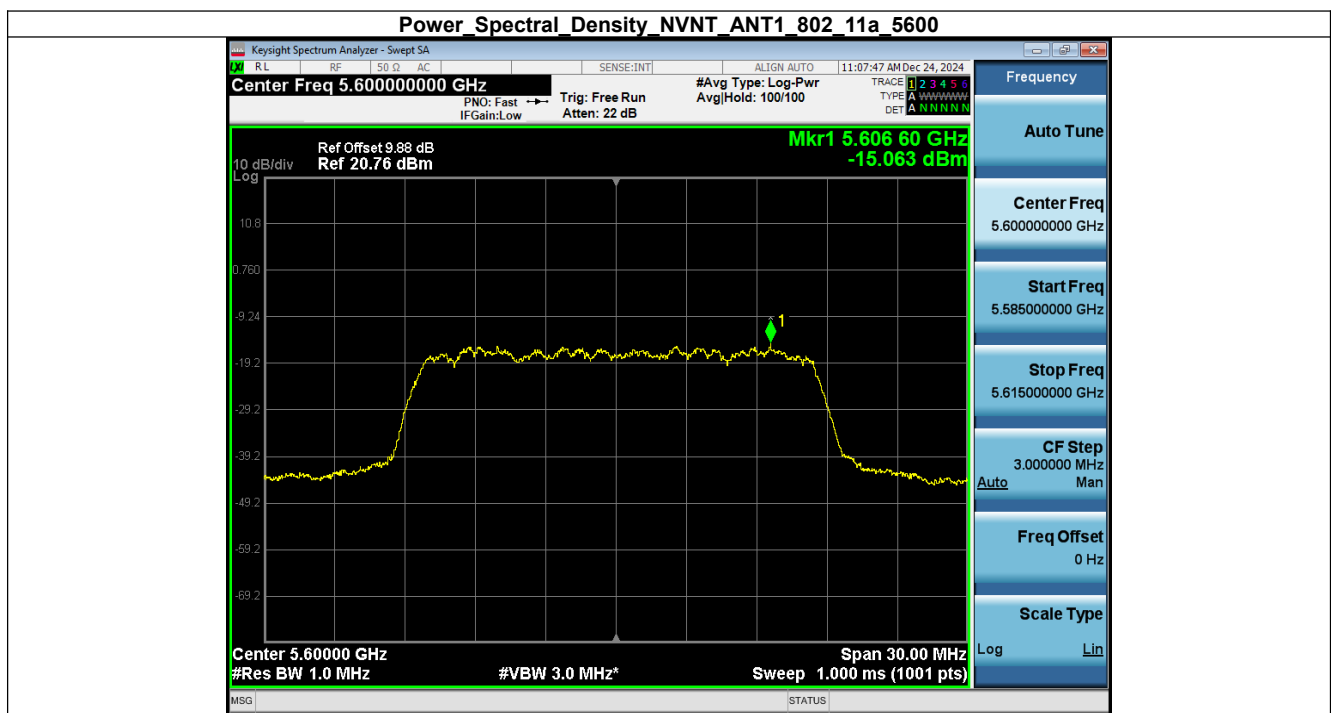
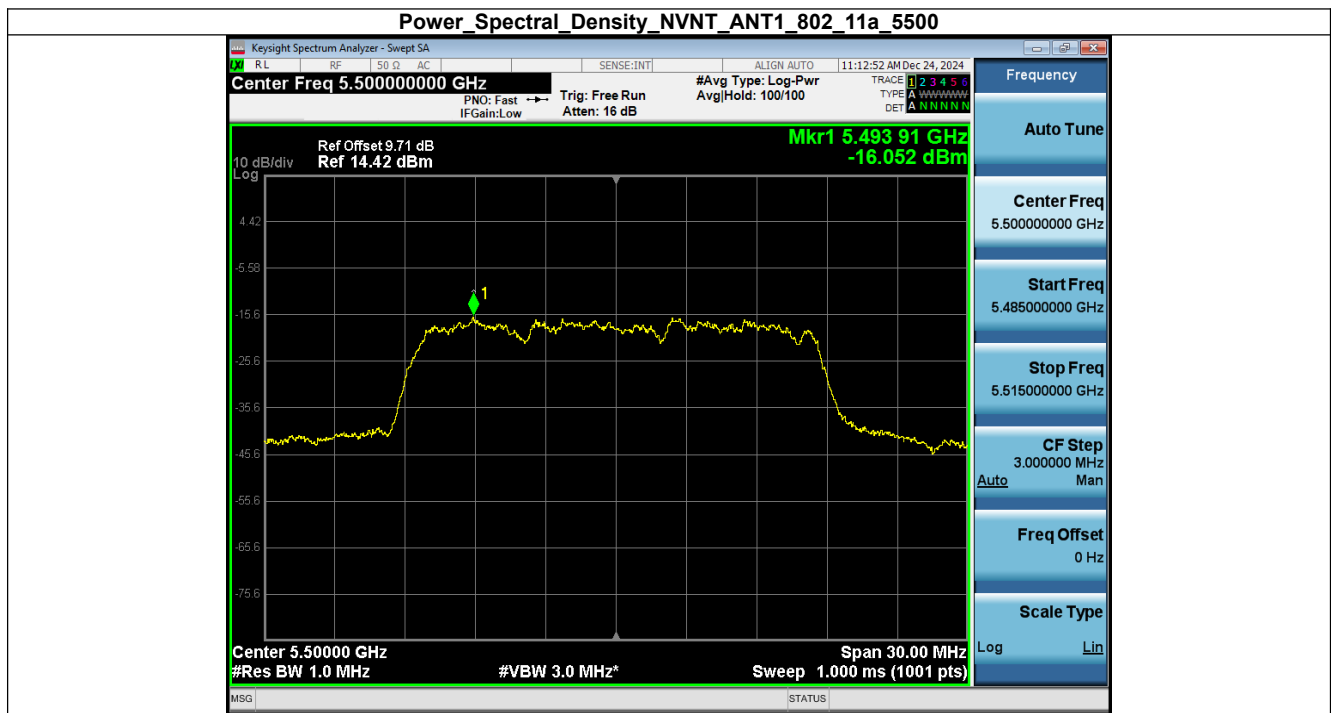


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5670_40M

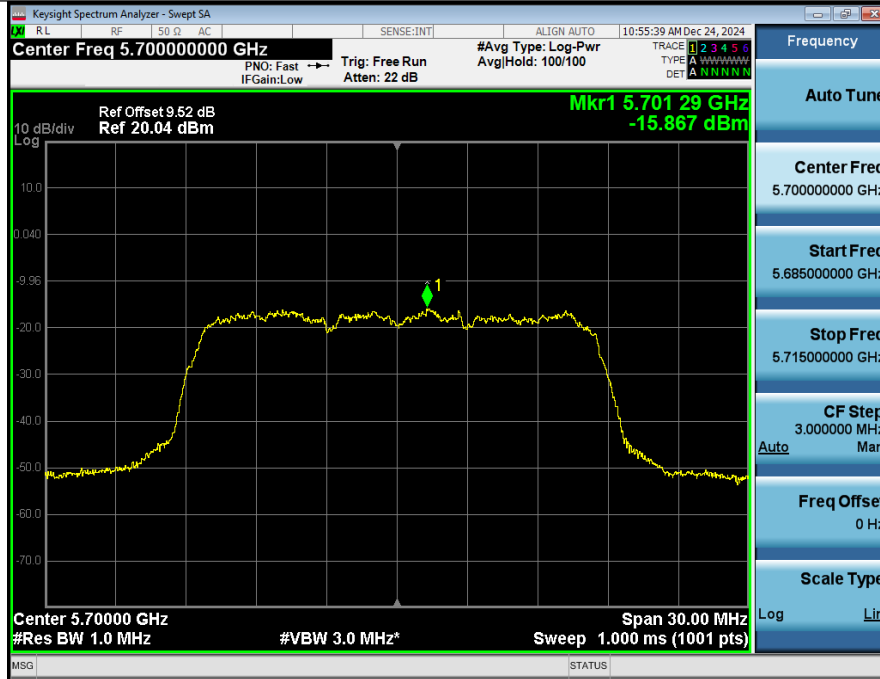


4. Power Spectral Density

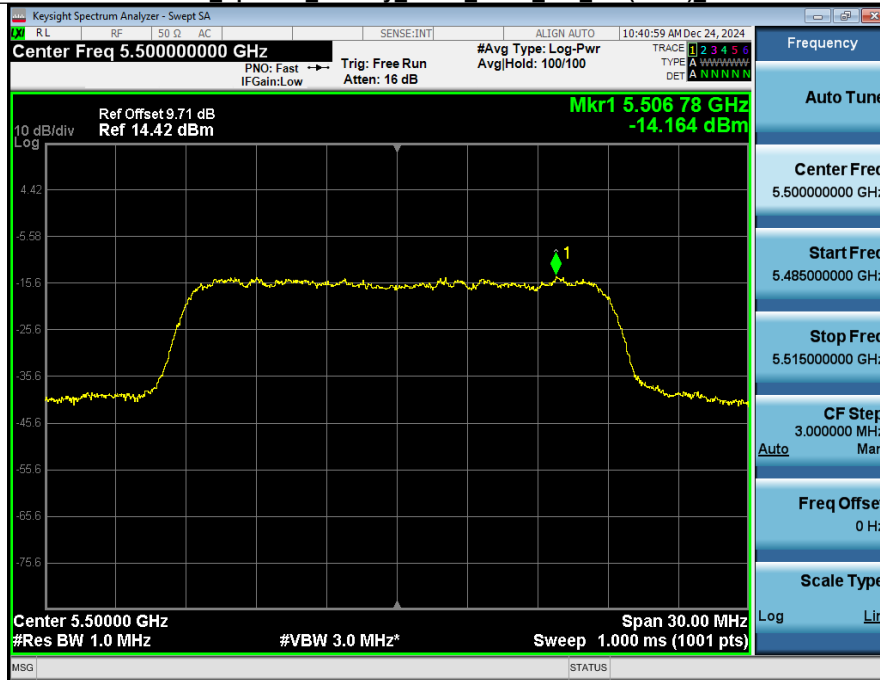
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	-16.05	0.00	-16.05	11	Pass
NVNT	ANT1	802.11a	5600.00	-15.06	0.00	-15.06	11	Pass
NVNT	ANT1	802.11a	5700.00	-15.87	0.00	-15.87	11	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	-14.16	0.00	-14.16	11	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	-12.51	0.00	-12.51	11	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	-13.79	0.00	-13.79	11	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	-16.91	0.00	-16.91	11	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	-16.11	0.00	-16.11	11	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	-16.47	0.00	-16.47	11	Pass



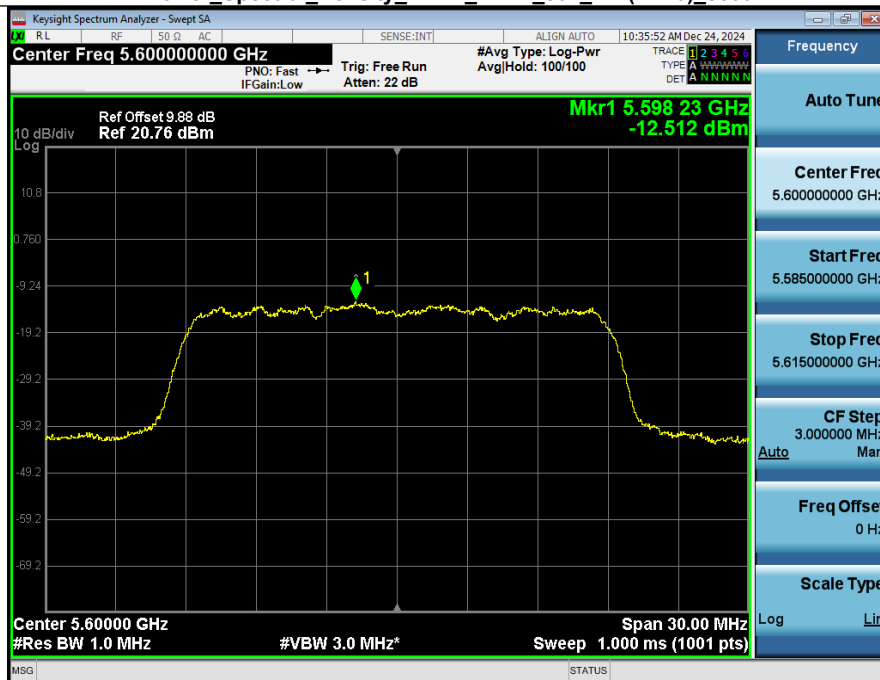
Power Spectral Density_NVNT_ANT1_802_11a_5700



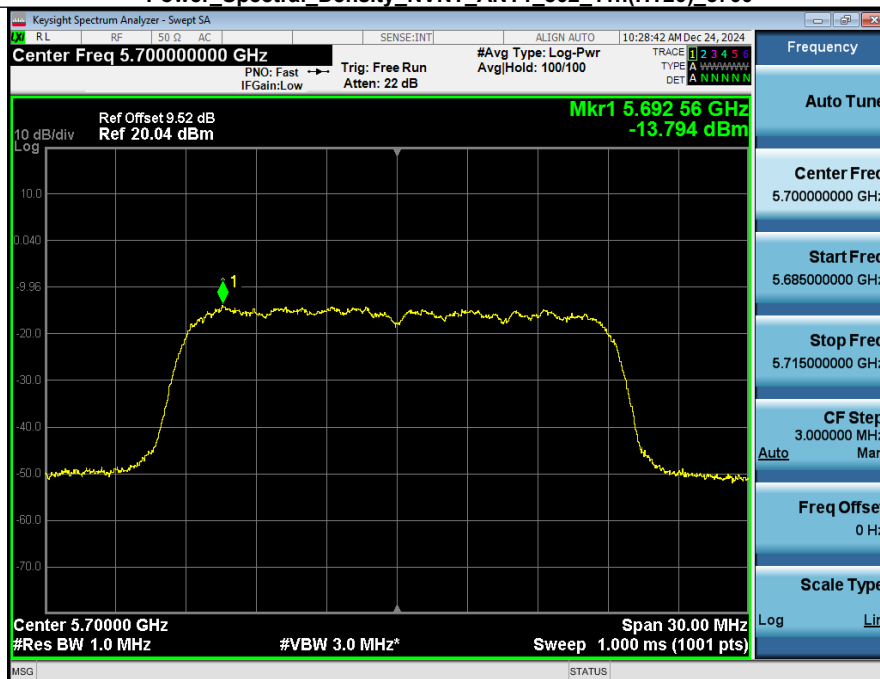
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5500



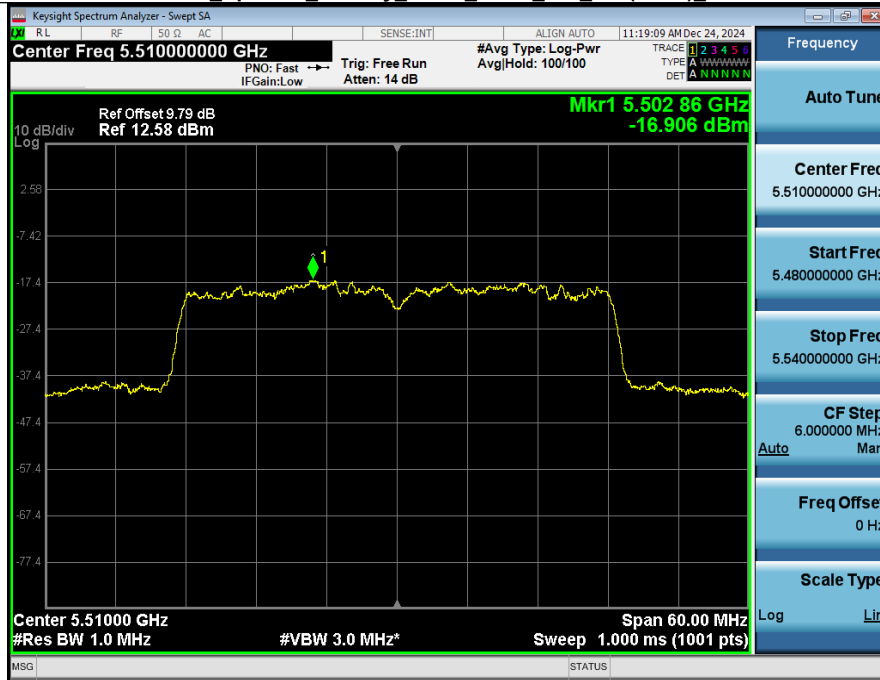
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5600



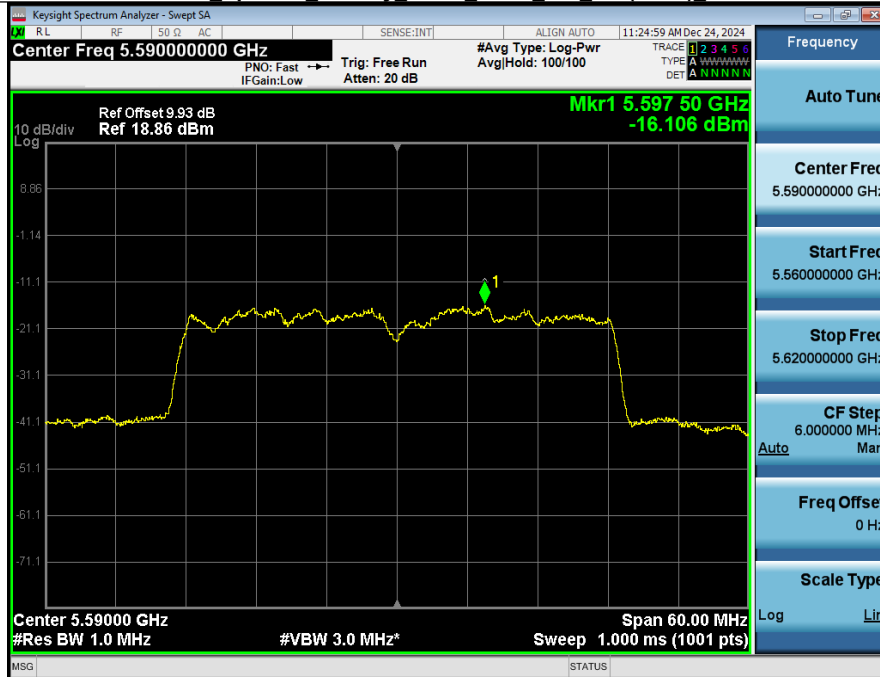
Power Spectral Density NVNT_ANT1_802_11n(HT20)_5700

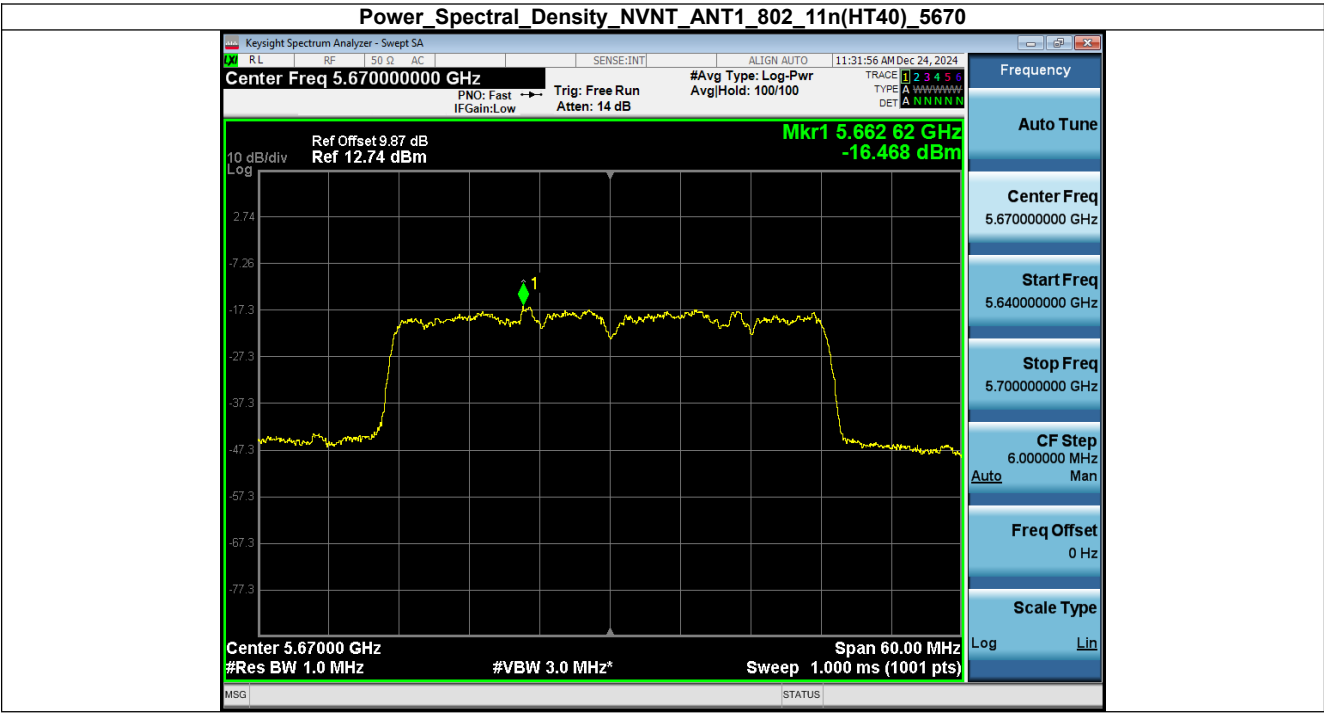


Power Spectral Density NVNT_ANT1_802_11n(HT40)_5510



Power Spectral Density NVNT_ANT1_802_11n(HT40)_5590

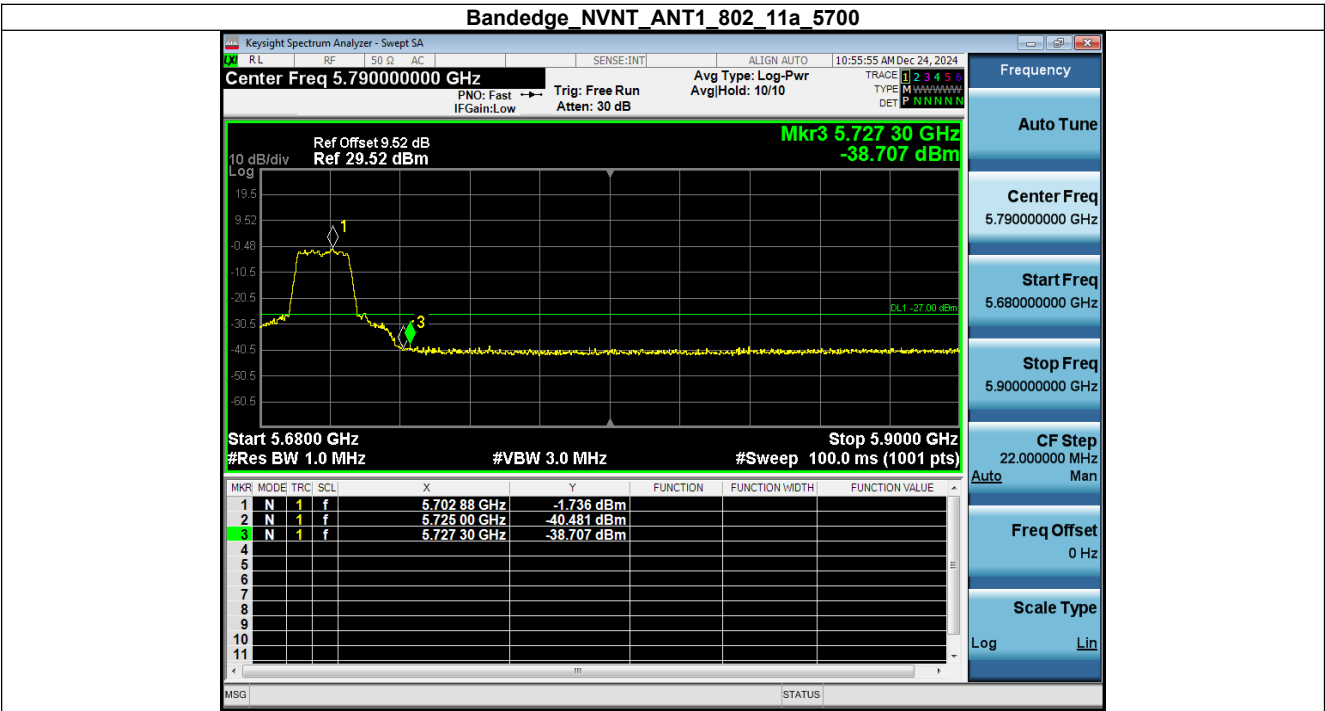
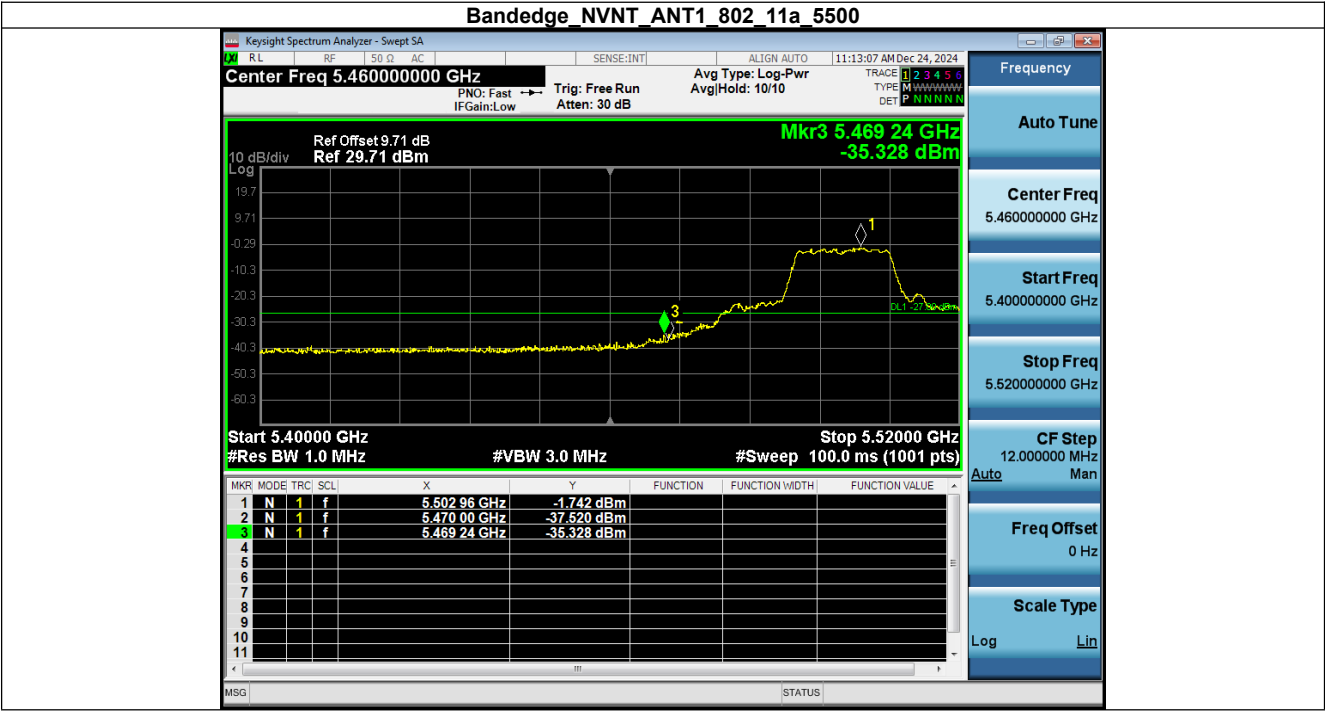




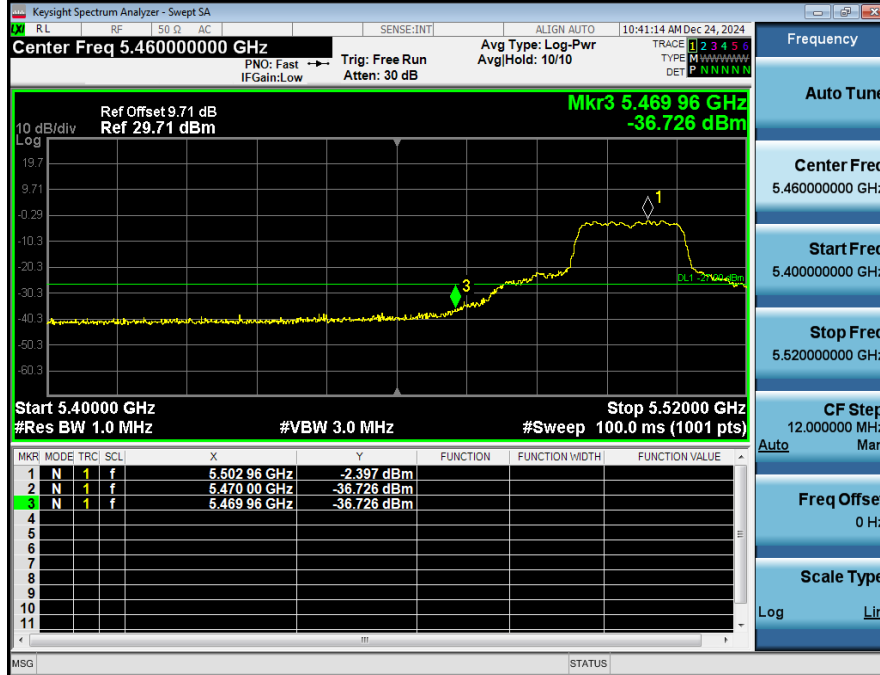
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	5469.24	-35.33	-27	Pass
NVNT	ANT1	802.11a	5700.00	5727.30	-38.71	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	5469.96	-36.73	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5886.58	-38.61	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	5469.90	-27.03	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	5726.12	-37.87	-27	Pass

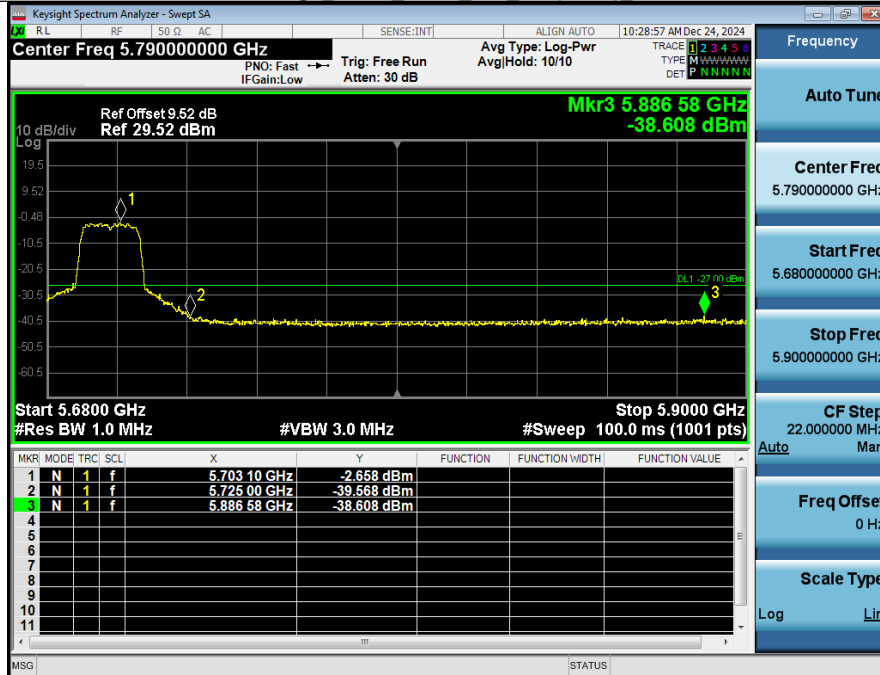
Note:The test diagram has integrated antenna gain to Offset Settings.



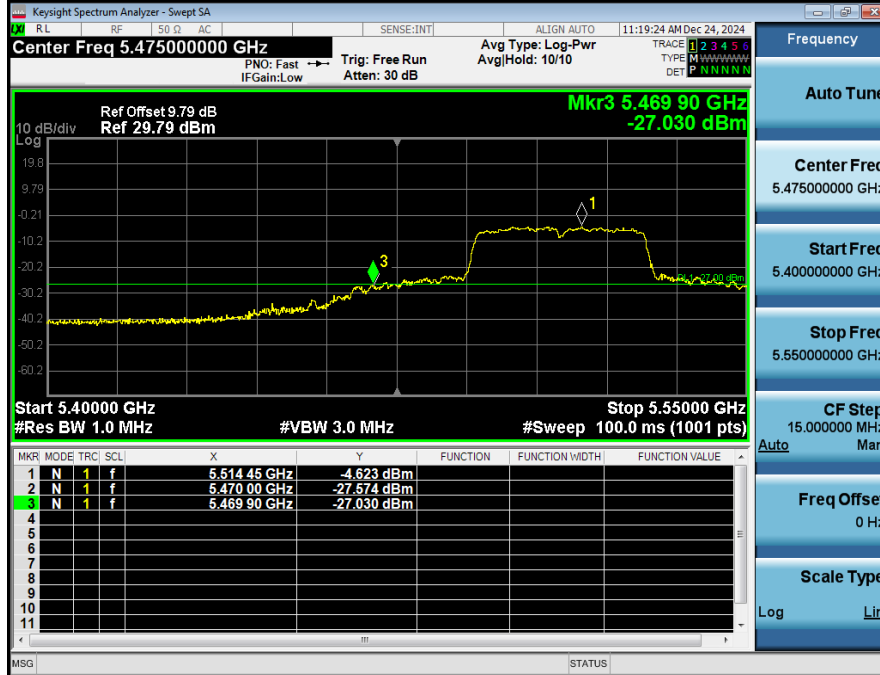
Bandedge_NVNT_ANT1_802_11n(HT20)_5500



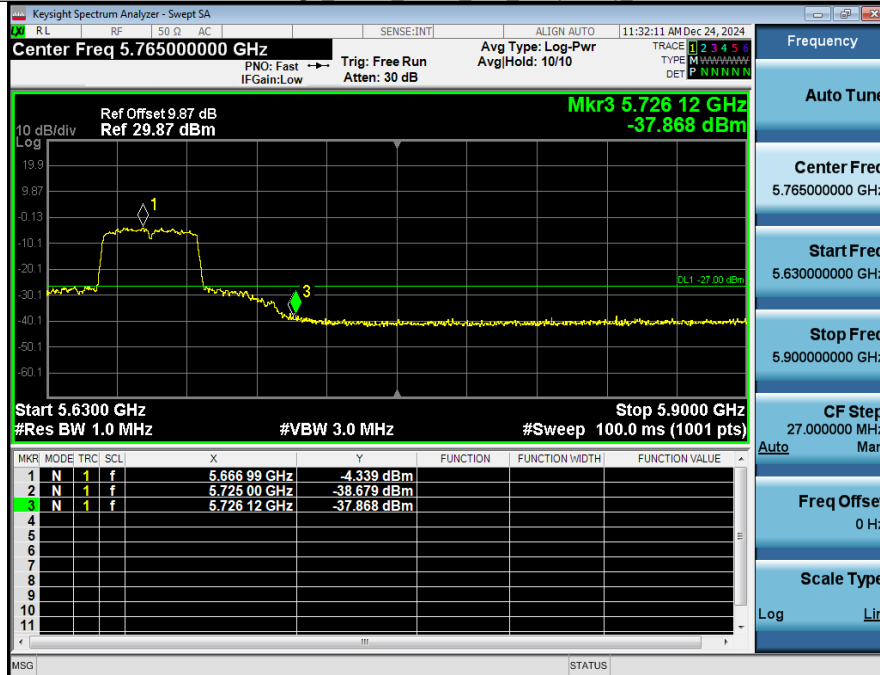
Bandedge_NVNT_ANT1_802_11n(HT20)_5700



Bandedge_NVNT_ANT1_802_11n(HT40)_5510



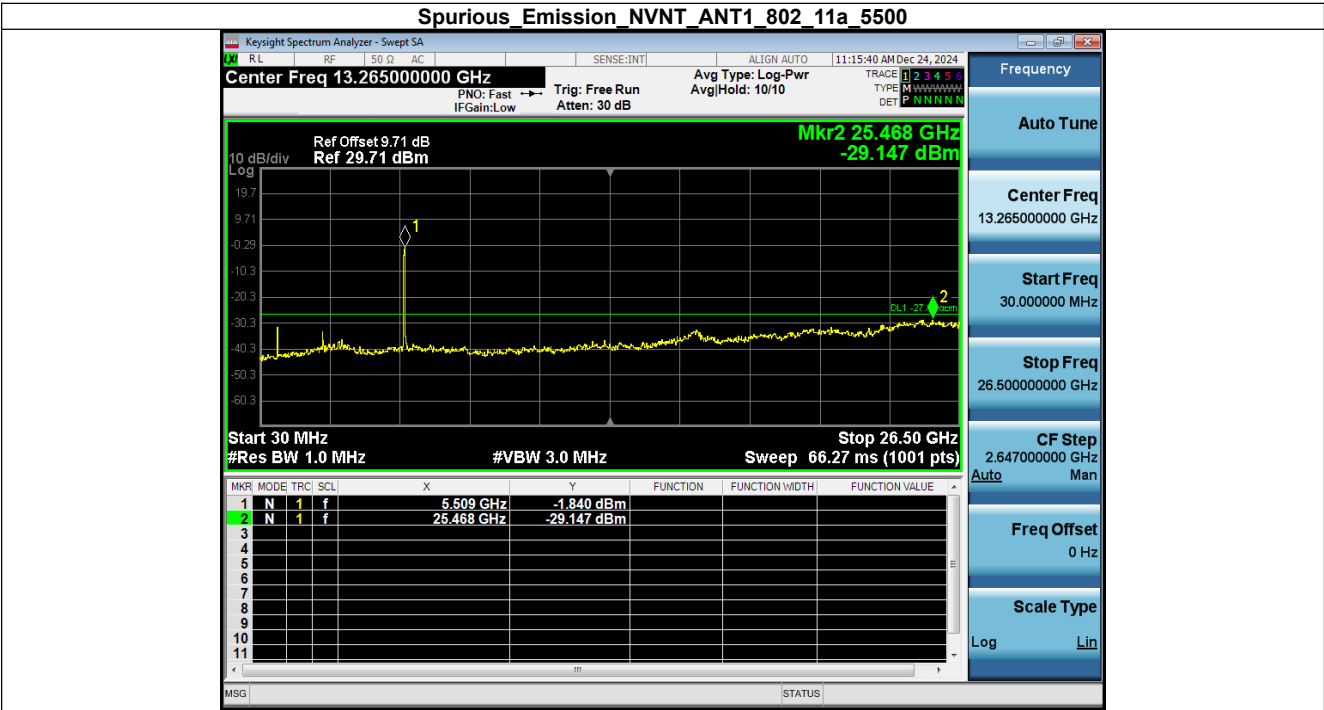
Bandedge_NVNT_ANT1_802_11n(HT40)_5670



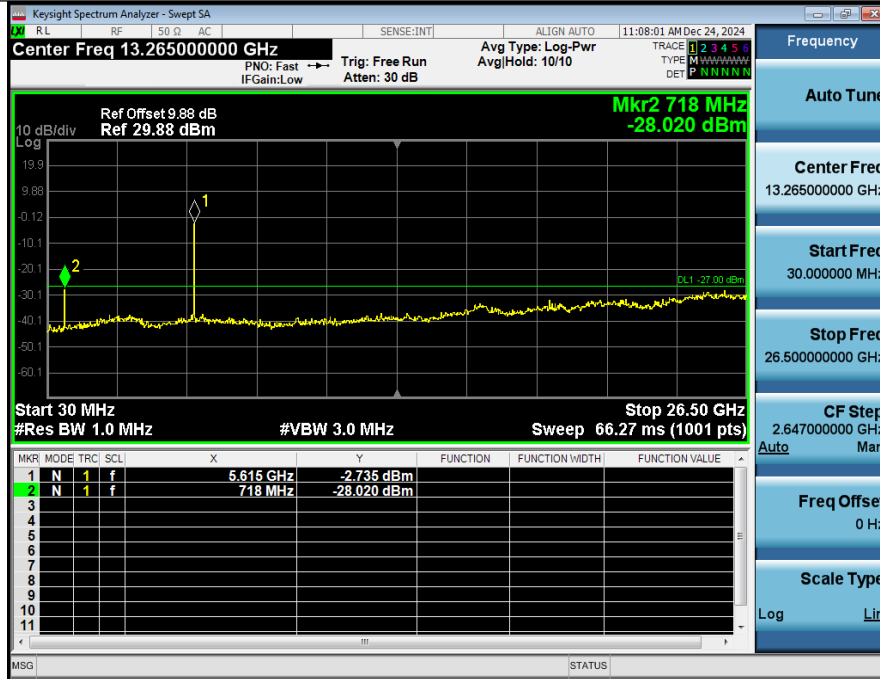
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	25467.67	-29.15	-27	Pass
NVNT	ANT1	802.11a	5600.00	718.22	-28.02	-27	Pass
NVNT	ANT1	802.11a	5700.00	718.22	-28.07	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	25070.62	-28.28	-27	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	25494.14	-28.15	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	24991.21	-29.38	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	25017.68	-29.07	-27	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	718.22	-27.20	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	718.22	-28.02	-27	Pass

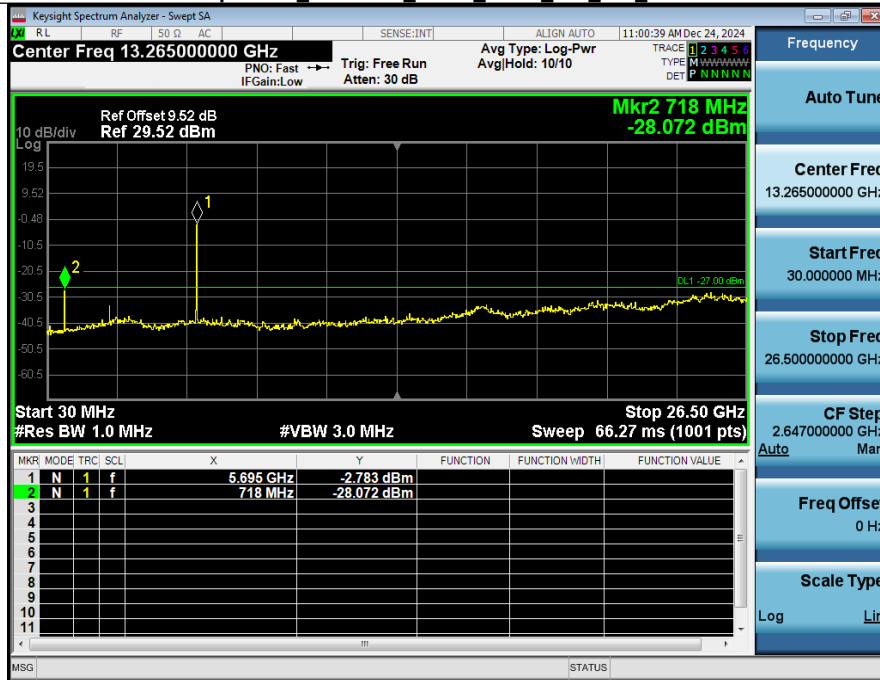
Note:1. The antenna gain is compensated in the test data.
2. 26.5GHz-40GHz the Spurious leve margin is the largest, so the test data only reflects 30MHz-26.5GHz



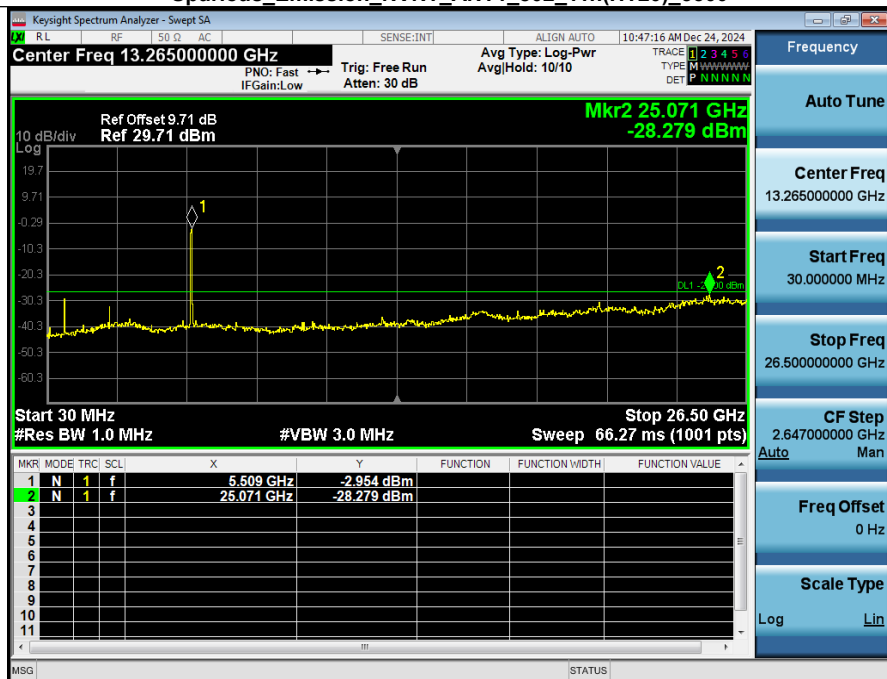
Spurious_Emission_NVNT_ANT1_802_11a_5600



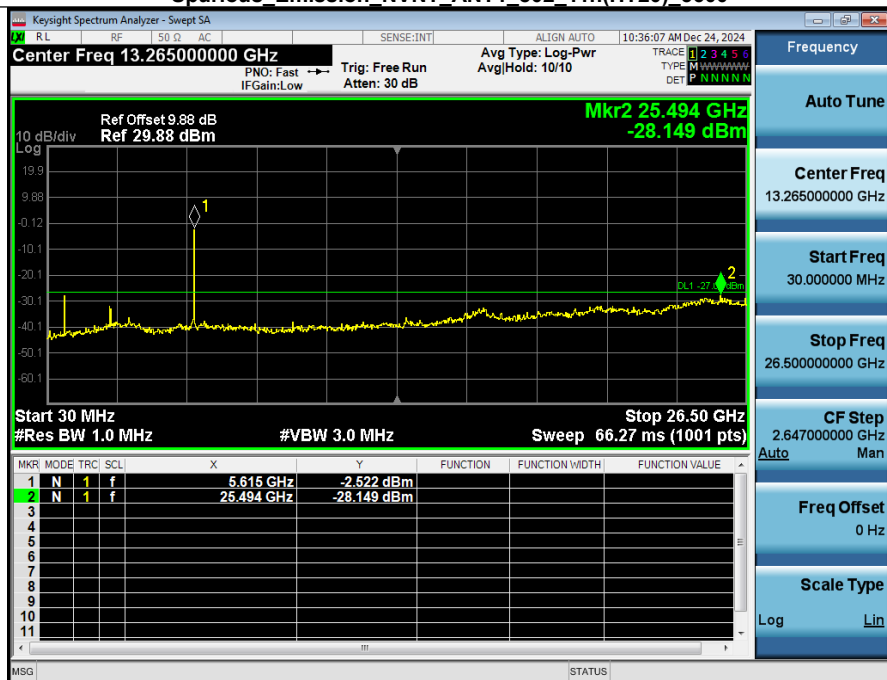
Spurious_Emission_NVNT_ANT1_802_11a_5700



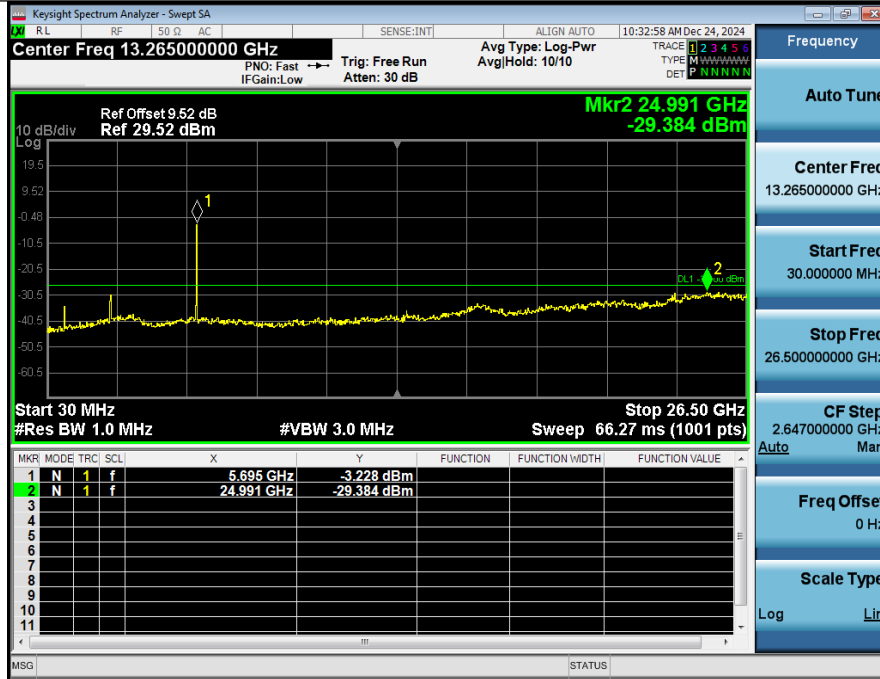
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5500



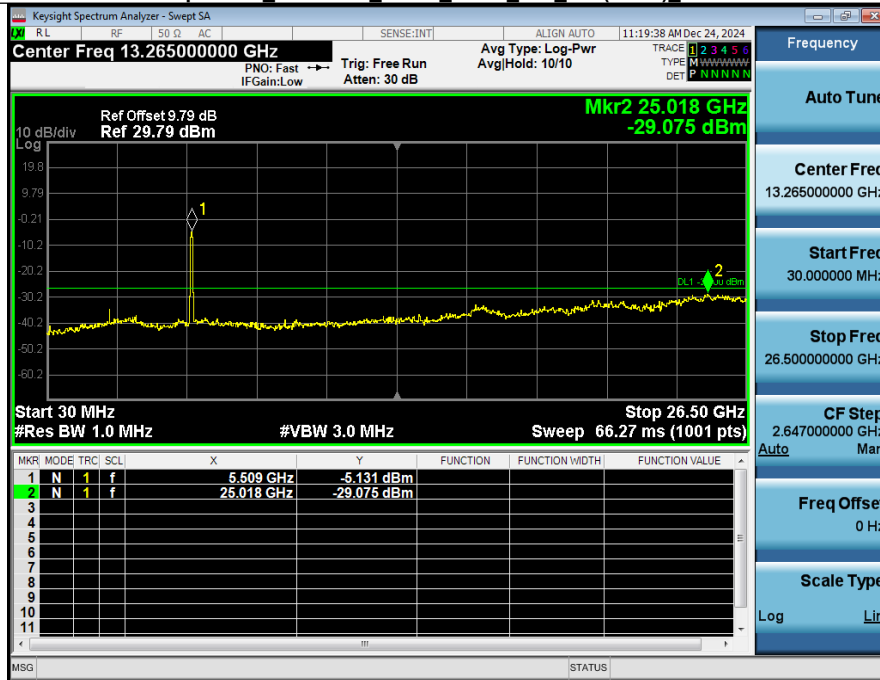
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5600



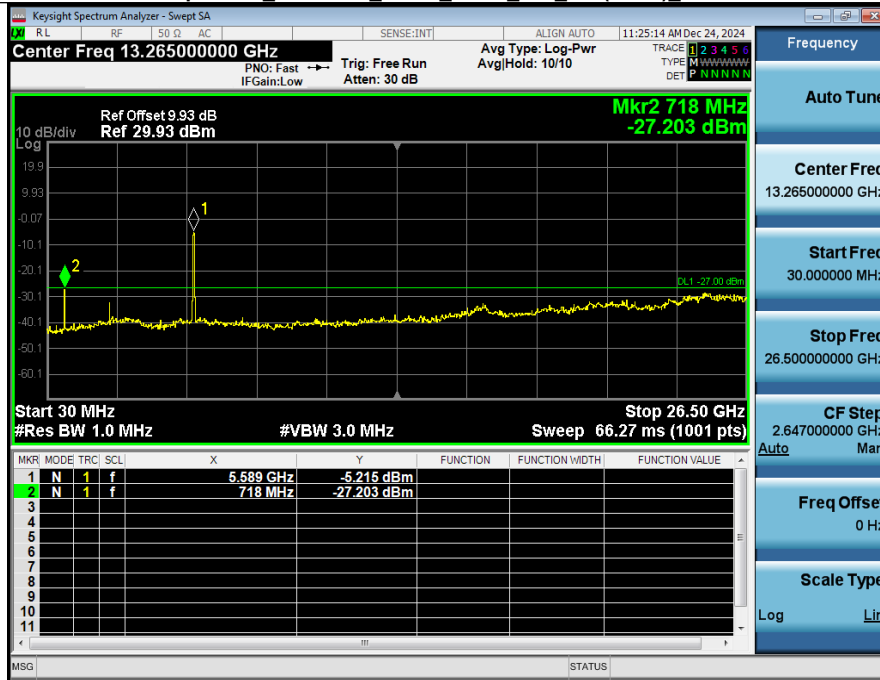
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5700



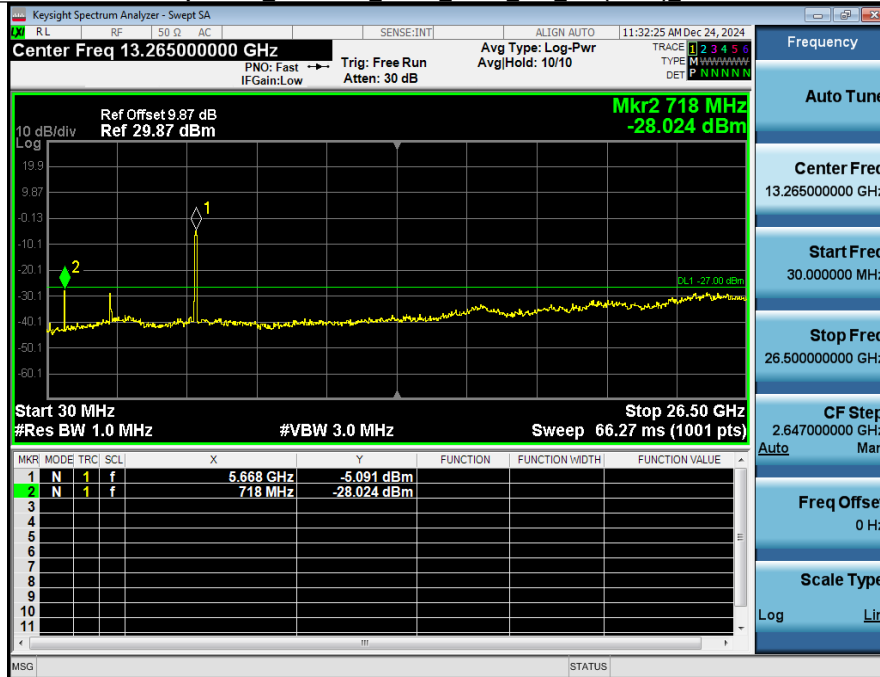
Spurious Emission_NVNT_ANT1_802_11n(HT40)_5510



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5590



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5670



7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
55degrees C&&3.80V	ANT1	802.11a	5500.00	5499.836	5488.904	5510.768	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5500.00	5500.058	5491.216	5508.900	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5500.00	5500.024	5491.616	5508.432	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5500.00	5500.038	5491.748	5508.328	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5500.00	5500.028	5491.812	5508.244	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5500.00	5500.026	5491.884	5508.168	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5500.00	5500.032	5491.948	5508.116	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5500.00	5500.040	5492.000	5508.080	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5500.00	5500.044	5492.056	5508.032	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5500.00	5500.054	5492.120	5507.988	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5500.00	5500.048	5492.172	5507.924	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11a	5600.00	5600.050	5590.724	5609.376	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5600.00	5600.026	5591.504	5608.548	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5600.00	5600.036	5591.708	5608.364	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5600.00	5600.028	5591.792	5608.264	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5600.00	5600.040	5591.880	5608.200	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5600.00	5600.046	5591.944	5608.148	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5600.00	5600.054	5592.000	5608.108	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5600.00	5600.058	5592.052	5608.064	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5600.00	5600.064	5592.108	5608.020	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5600.00	5600.062	5592.156	5607.968	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5600.00	5600.050	5592.212	5607.888	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11a	5700.00	5699.972	5691.268	5708.676	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5700.00	5700.002	5691.632	5708.372	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5700.00	5700.020	5691.752	5708.288	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5700.00	5700.010	5691.820	5708.200	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5700.00	5700.016	5691.884	5708.148	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5700.00	5700.016	5691.944	5708.088	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5700.00	5700.012	5691.992	5708.032	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5700.00	5700.010	5692.044	5707.976	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5700.00	5700.014	5692.088	5707.940	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5700.00	5700.004	5692.132	5707.876	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5700.00	5700.014	5692.180	5707.848	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5499.708	5488.644	5510.772	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.030	5490.848	5509.212	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.040	5491.072	5509.008	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.042	5491.184	5508.900	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.056	5491.264	5508.848	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.064	5491.332	5508.796	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.064	5491.380	5508.748	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.072	5491.436	5508.708	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5500.00	5500.078	5491.488	5508.668	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5500.00	5500.060	5491.540	5508.580	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5500.00	5500.076	5491.592	5508.560	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.054	5590.516	5609.592	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.044	5591.020	5609.068	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.050	5591.152	5608.948	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.052	5591.232	5608.872	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.056	5591.296	5608.816	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.072	5591.368	5608.776	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.066	5591.416	5608.716	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.072	5591.468	5608.676	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5600.00	5600.078	5591.520	5608.636	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5600.00	5600.108	5591.580	5608.636	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5600.00	5600.096	5591.636	5608.556	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.052	5690.912	5709.192	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.034	5691.096	5708.972	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.038	5691.216	5708.860	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.038	5691.280	5708.796	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.042	5691.340	5708.744	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.050	5691.392	5708.708	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.048	5691.440	5708.656	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.050	5691.484	5708.616	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5700.00	5700.030	5691.536	5708.524	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5700.00	5700.032	5691.588	5708.476	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5700.00	5700.028	5691.640	5708.416	5470~5725	Pass

55degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.156	5484.624	5535.688	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.092	5491.520	5528.664	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.092	5491.888	5528.296	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.092	5492.032	5528.152	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.060	5492.160	5527.960	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.080	5492.280	5527.880	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.056	5492.368	5527.744	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.052	5492.488	5527.616	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5510.00	5510.092	5492.592	5527.592	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5510.00	5510.064	5492.704	5527.424	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5510.00	5510.080	5492.832	5527.328	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5588.192	5566.240	5610.144	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.072	5571.744	5608.400	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.072	5571.952	5608.192	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.064	5572.088	5608.040	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.100	5572.224	5607.976	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.076	5572.320	5607.832	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.052	5572.408	5607.696	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.048	5572.488	5607.608	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5590.00	5590.072	5572.592	5607.552	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5590.00	5590.064	5572.712	5607.416	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5590.00	5590.056	5572.816	5607.296	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5669.984	5651.456	5688.512	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.068	5651.896	5688.240	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.056	5652.032	5688.080	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.036	5652.144	5687.928	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.044	5652.272	5687.816	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.028	5652.352	5687.704	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.056	5652.472	5687.640	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.024	5652.576	5687.472	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5670.00	5670.020	5652.672	5687.368	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5670.00	5670.028	5652.816	5687.240	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5670.00	5670.064	5652.944	5687.184	5470~5725	Pass