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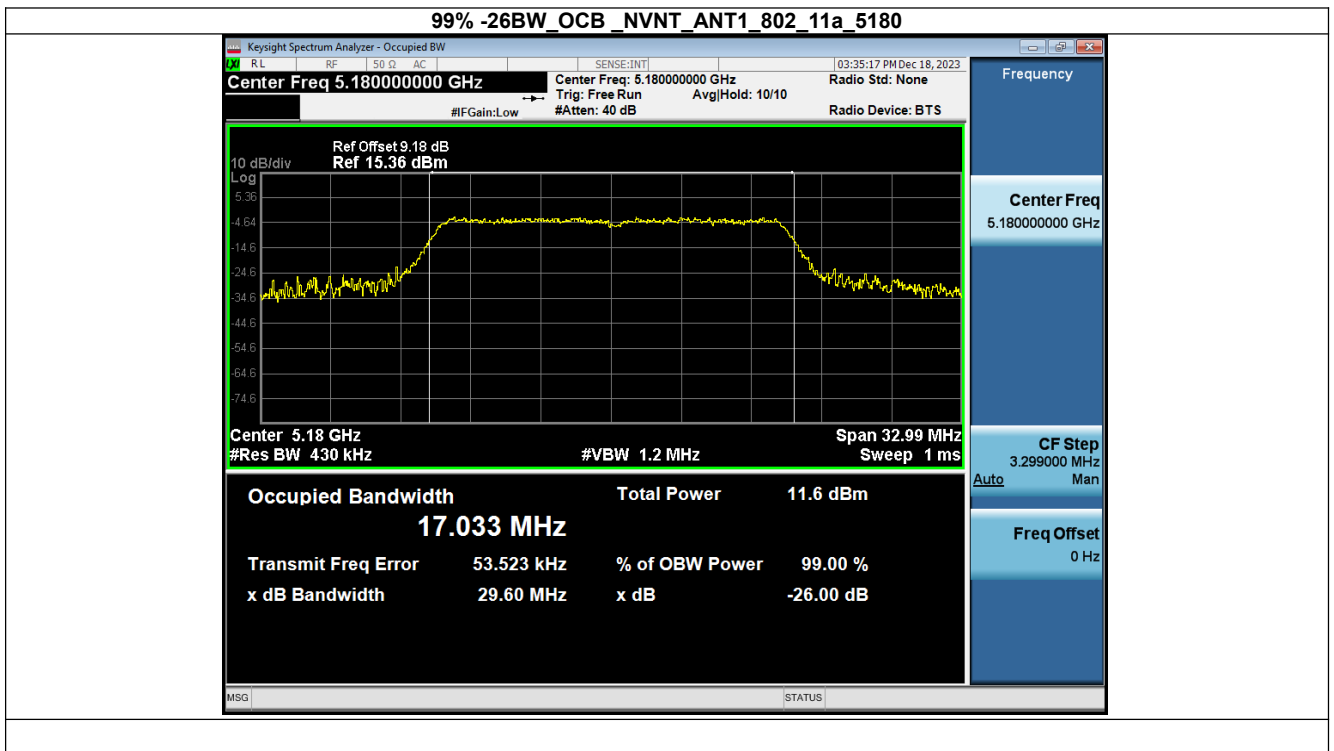
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FCC ID WIFI5.2

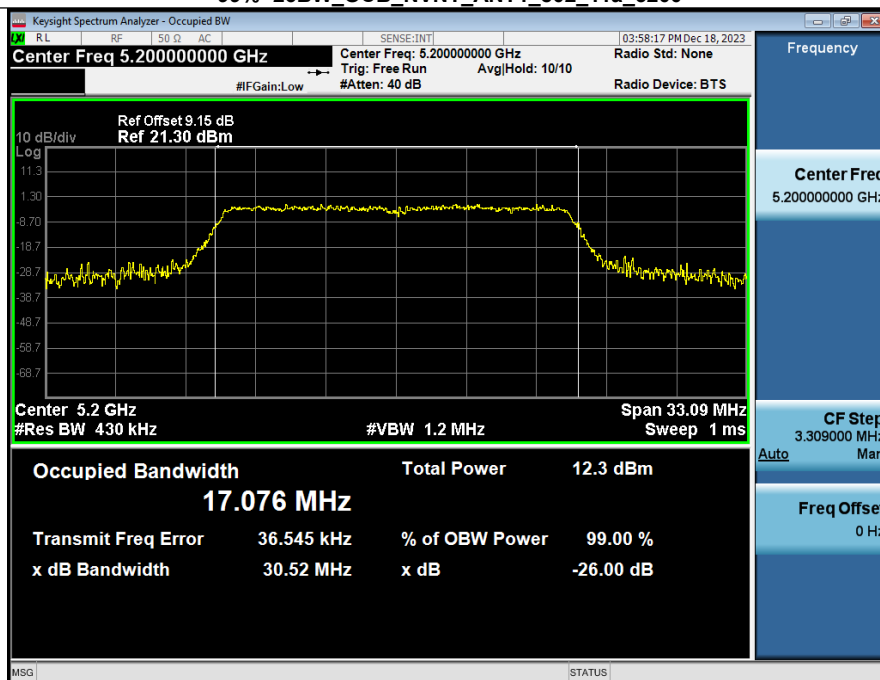
FCC_5.2G_WIFI (Part15.407) Test Data

1. -26dB and 99% Emission Bandwidth

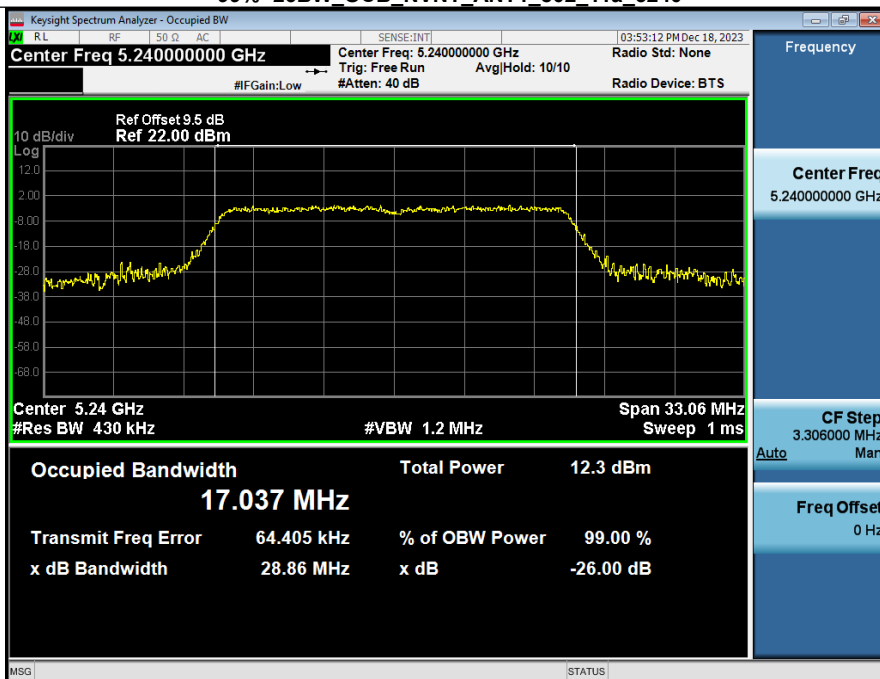
Condition	Antenna	Modulation	Frequency(MHz)	- 26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	29.60	17.03
NVNT	ANT1	802.11a	5200.00	30.52	17.08
NVNT	ANT1	802.11a	5240.00	28.86	17.04
NVNT	ANT1	802.11n(HT20)	5180.00	32.00	17.89
NVNT	ANT1	802.11n(HT20)	5200.00	34.38	17.91
NVNT	ANT1	802.11n(HT20)	5240.00	29.75	17.88
NVNT	ANT1	802.11n(HT40)	5190.00	47.88	36.32
NVNT	ANT1	802.11n(HT40)	5230.00	48.35	36.34



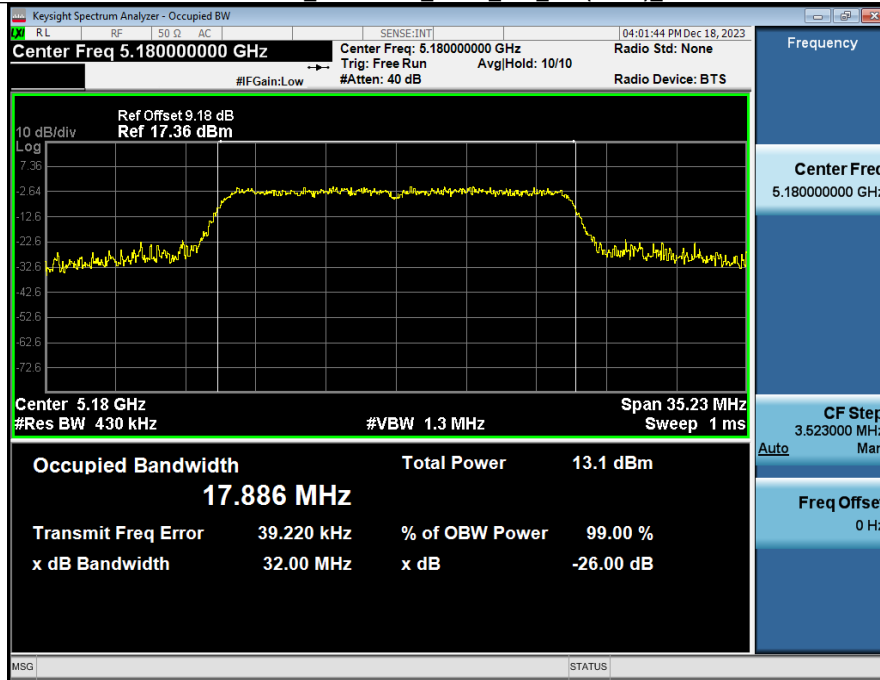
99% -26BW_OCB_NVNT_ANT1_802_11a_5200



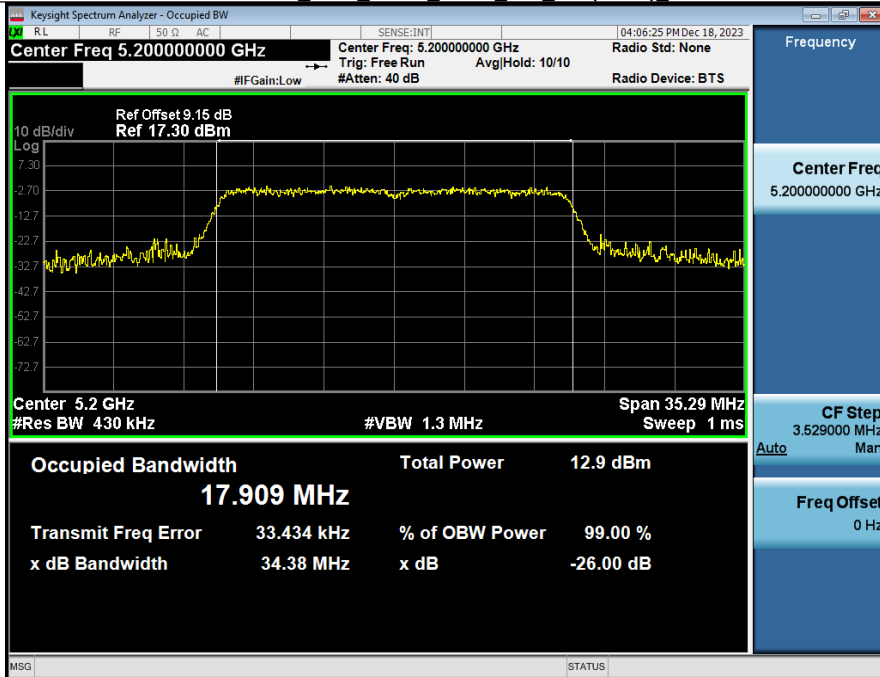
99% -26BW_OCB_NVNT_ANT1_802_11a_5240



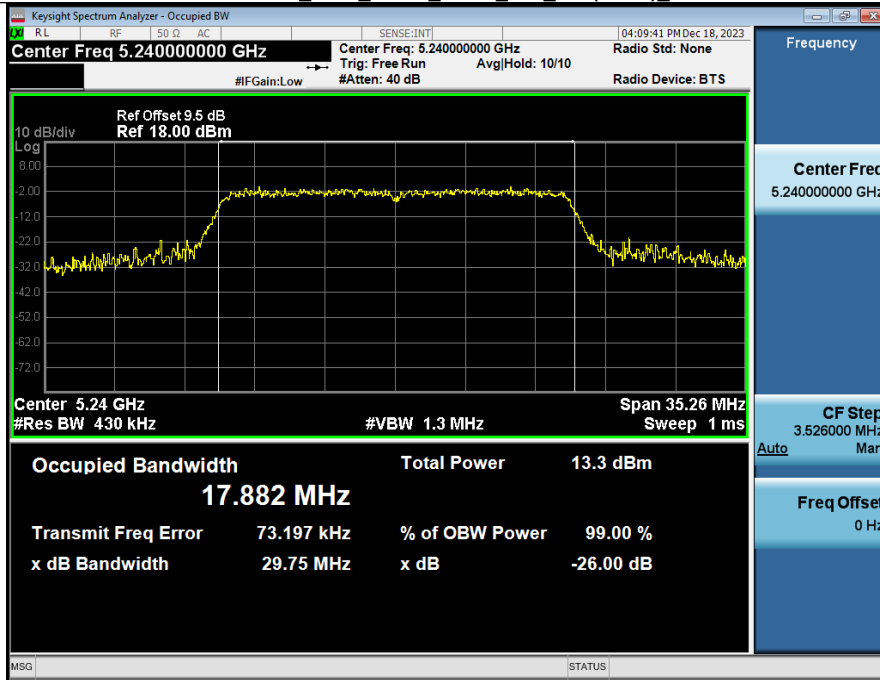
99% -26BW OCBNVT ANT1_802_11n(HT20) 5180



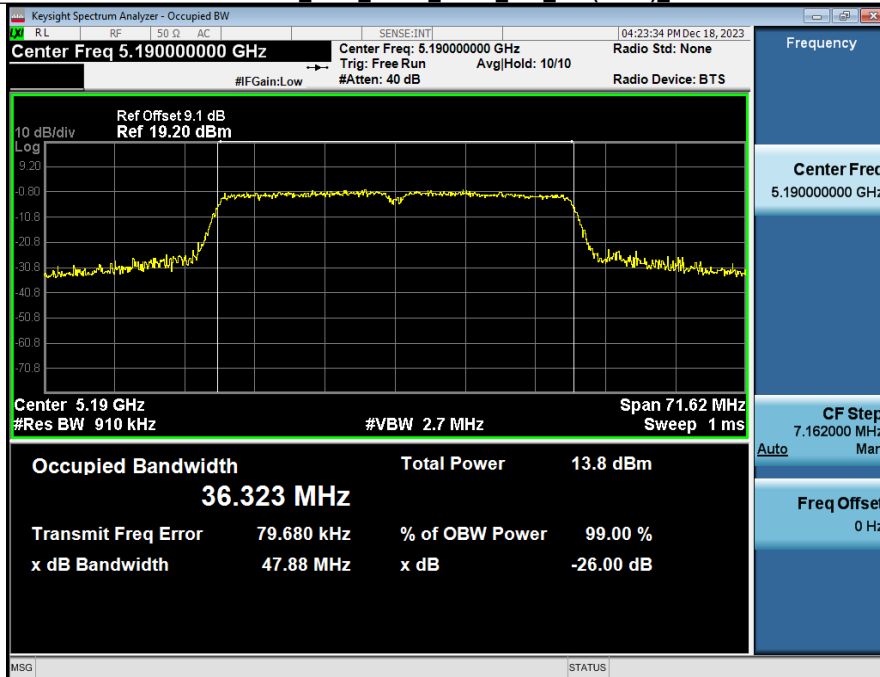
99% -26BW OCB NVNT ANT1_802_11n(HT20) 5200



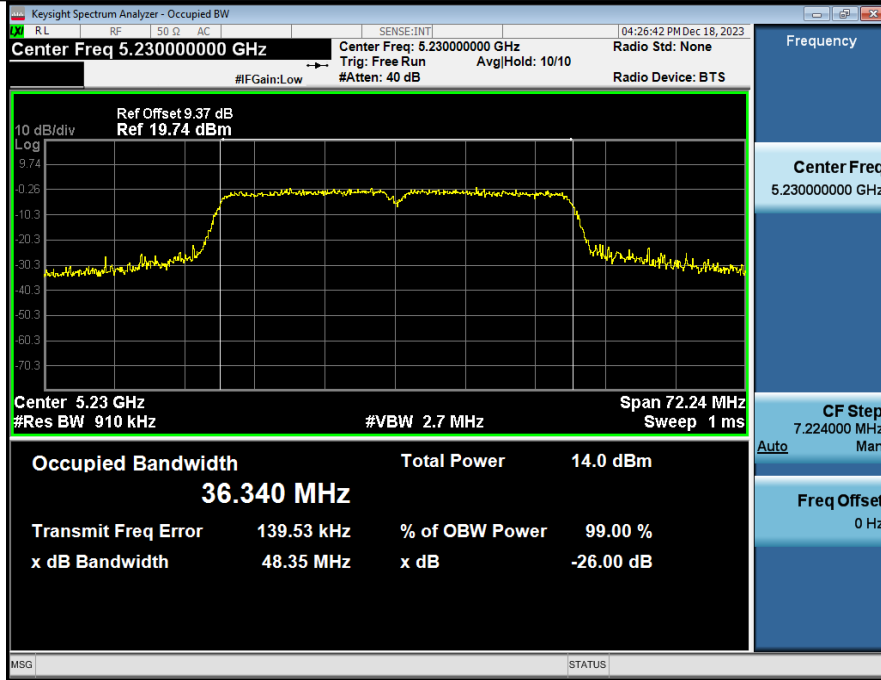
99% -26BW_OCB_NVNT_ANT1_802_11n(HT20)_5240



99% -26BW_OCB_NVNT_ANT1_802_11n(HT40)_5190

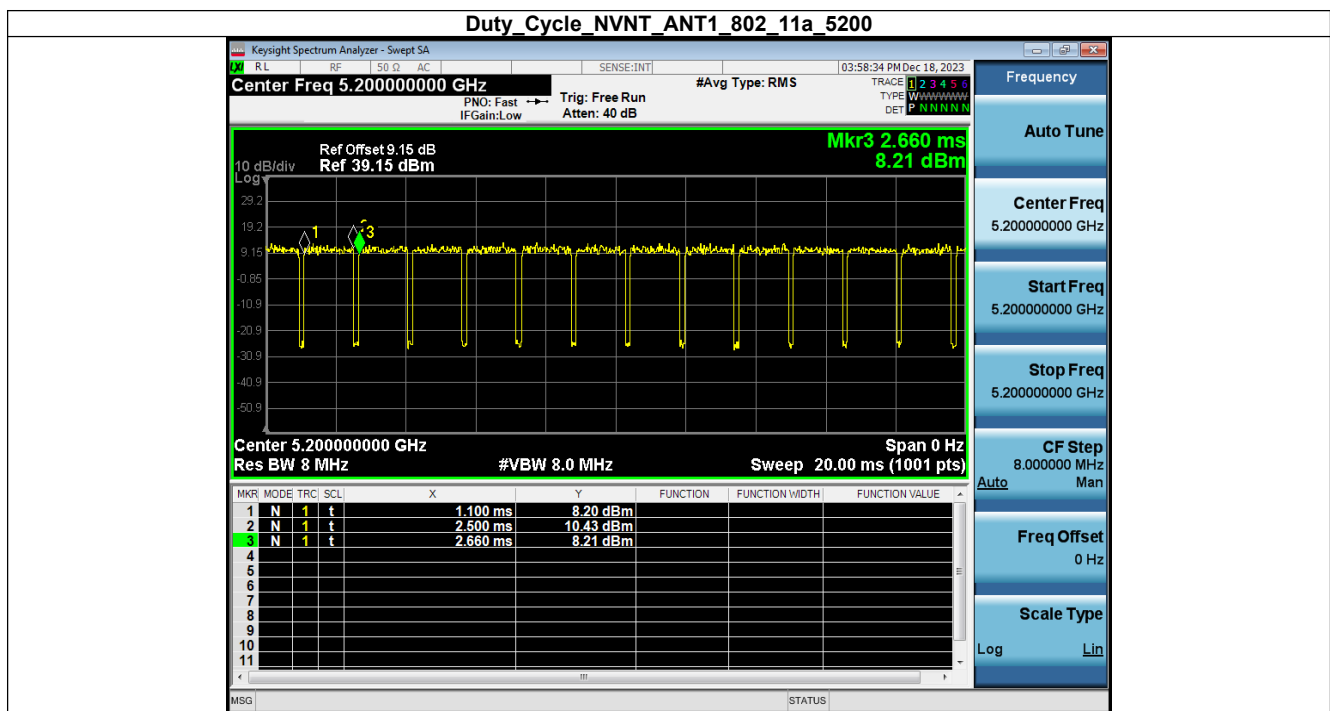
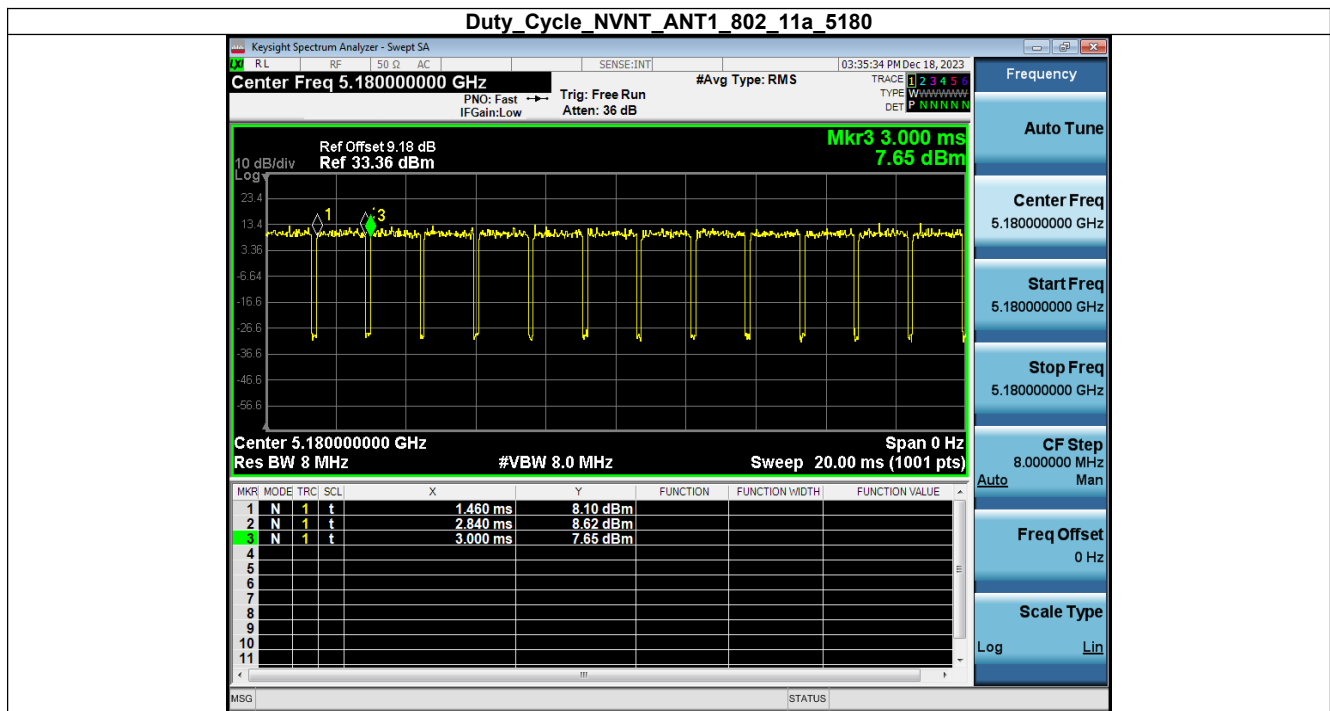


99% -26BW_OCB_NVNT_ANT1_802_11n(HT40)_5230

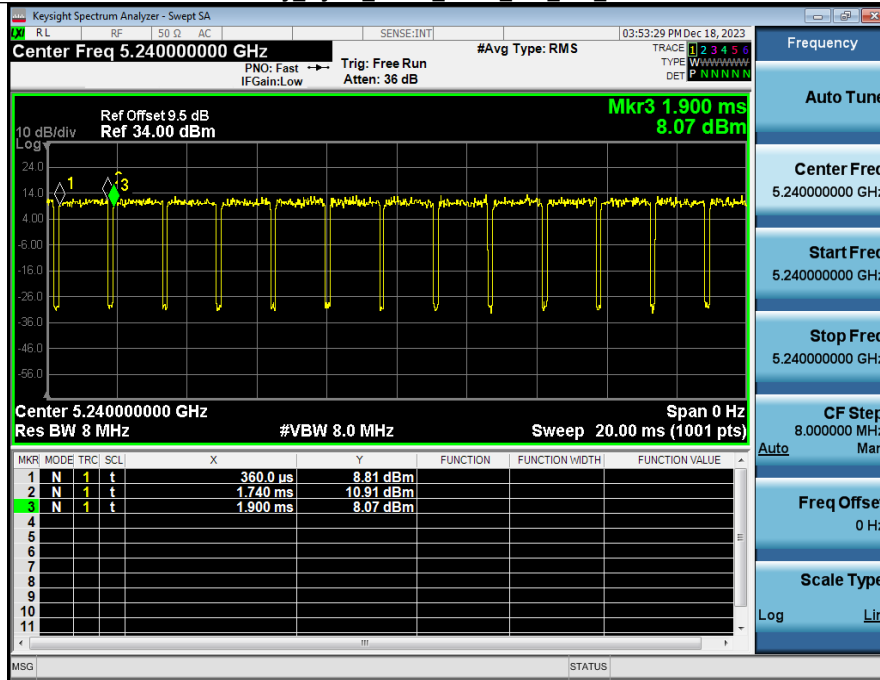


2. Duty Cycle

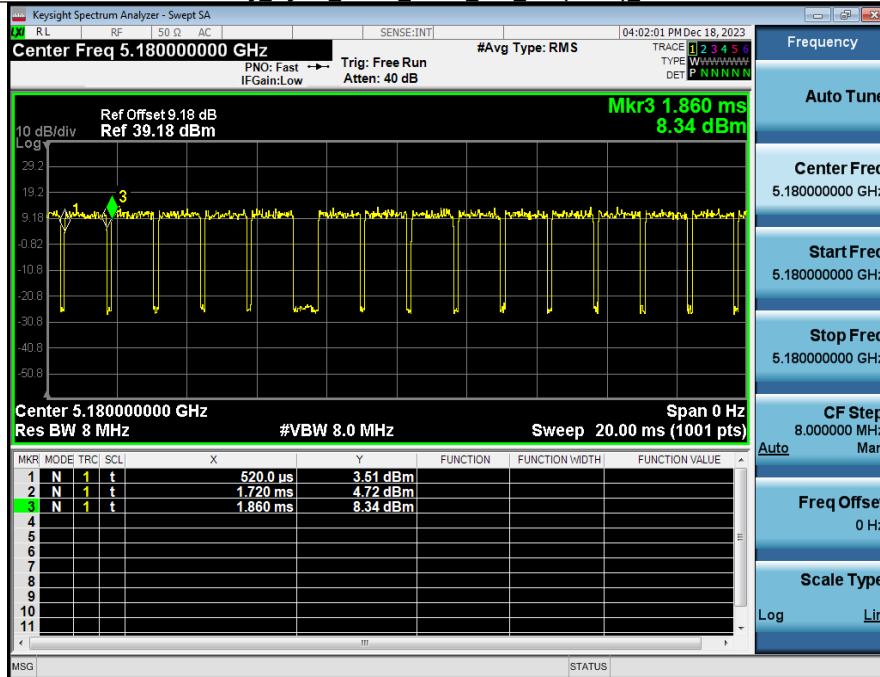
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	89.61	0.48
NVNT	ANT1	802.11a	5200.00	89.74	0.47
NVNT	ANT1	802.11a	5240.00	89.61	0.48
NVNT	ANT1	802.11n(HT20)	5180.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	5200.00	89.39	0.49
NVNT	ANT1	802.11n(HT20)	5240.00	89.39	0.49
NVNT	ANT1	802.11n(HT40)	5190.00	81.08	0.91
NVNT	ANT1	802.11n(HT40)	5230.00	80.56	0.94



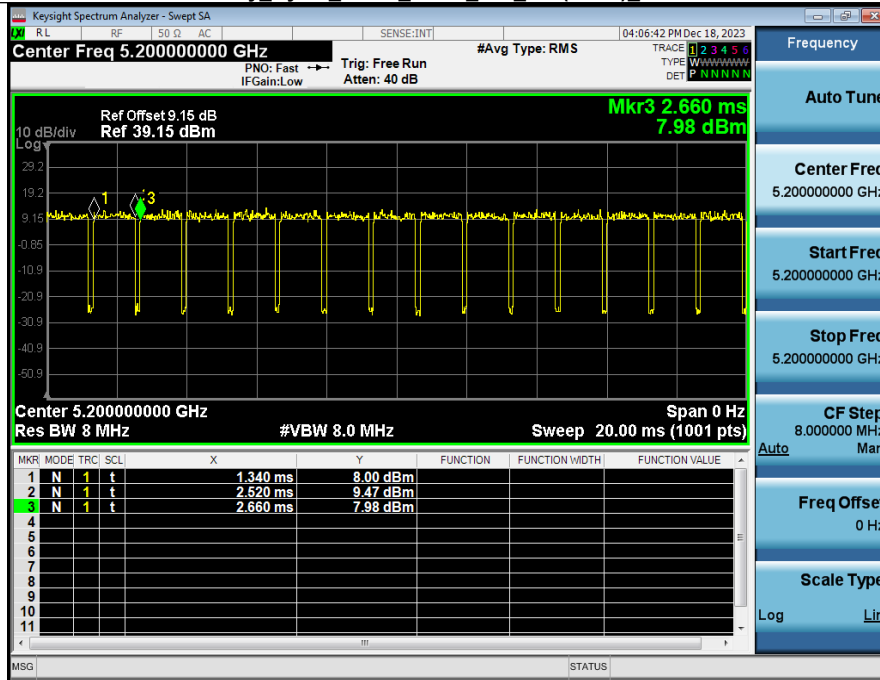
Duty Cycle NVNT_ANT1_802_11a_5240



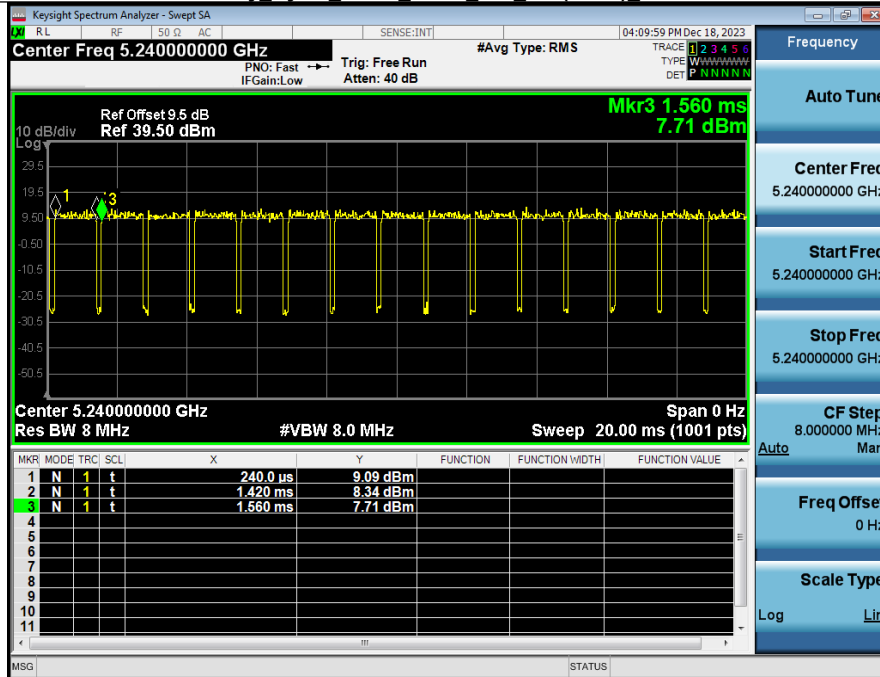
Duty Cycle NVNT_ANT1_802_11n(HT20)_5180



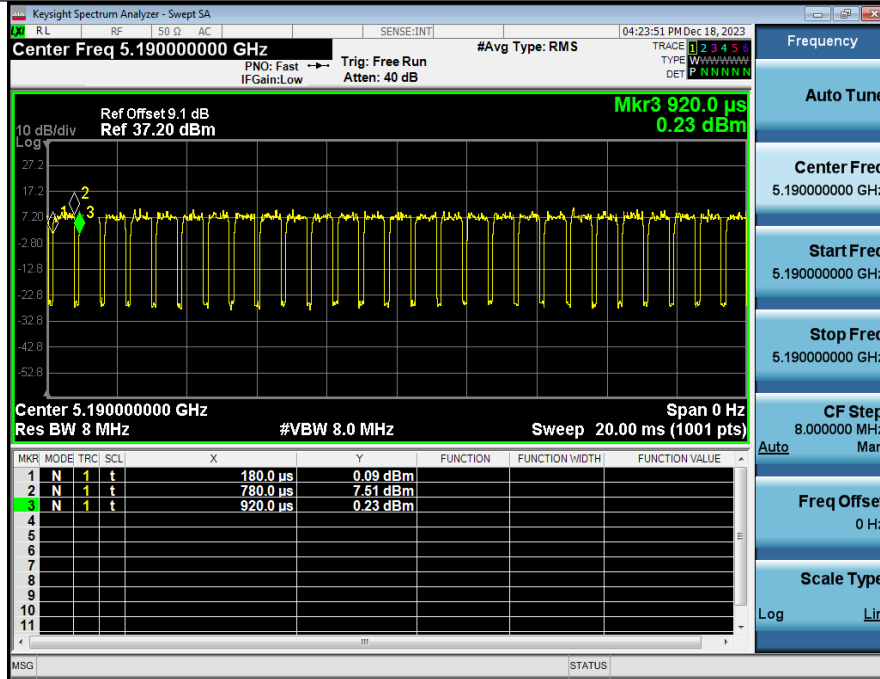
Duty Cycle NVNT_ANT1_802_11n(HT20)_5200



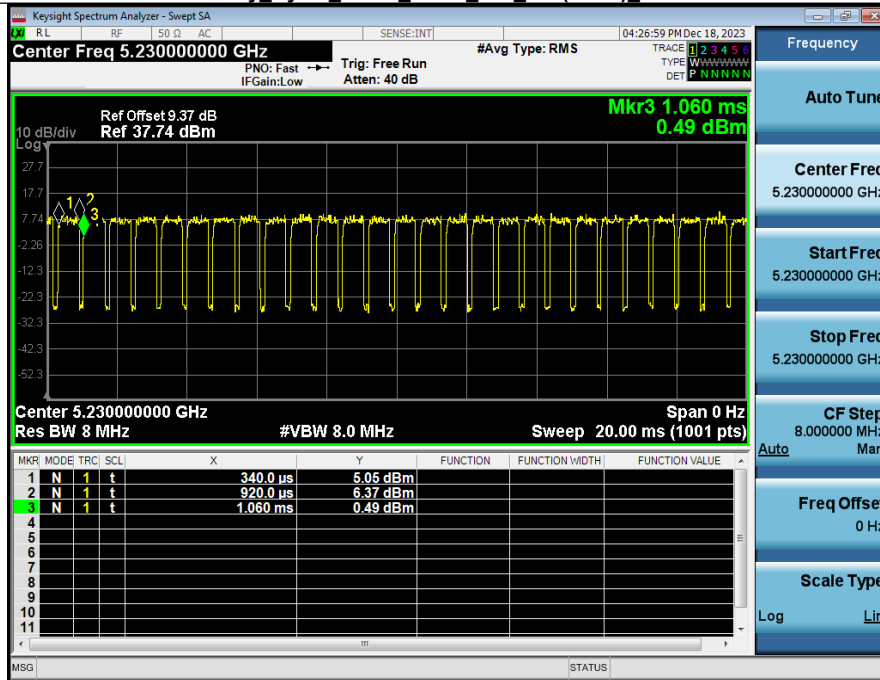
Duty Cycle NVNT_ANT1_802_11n(HT20)_5240



Duty Cycle NVNT_ANT1_802_11n(HT40)_5190

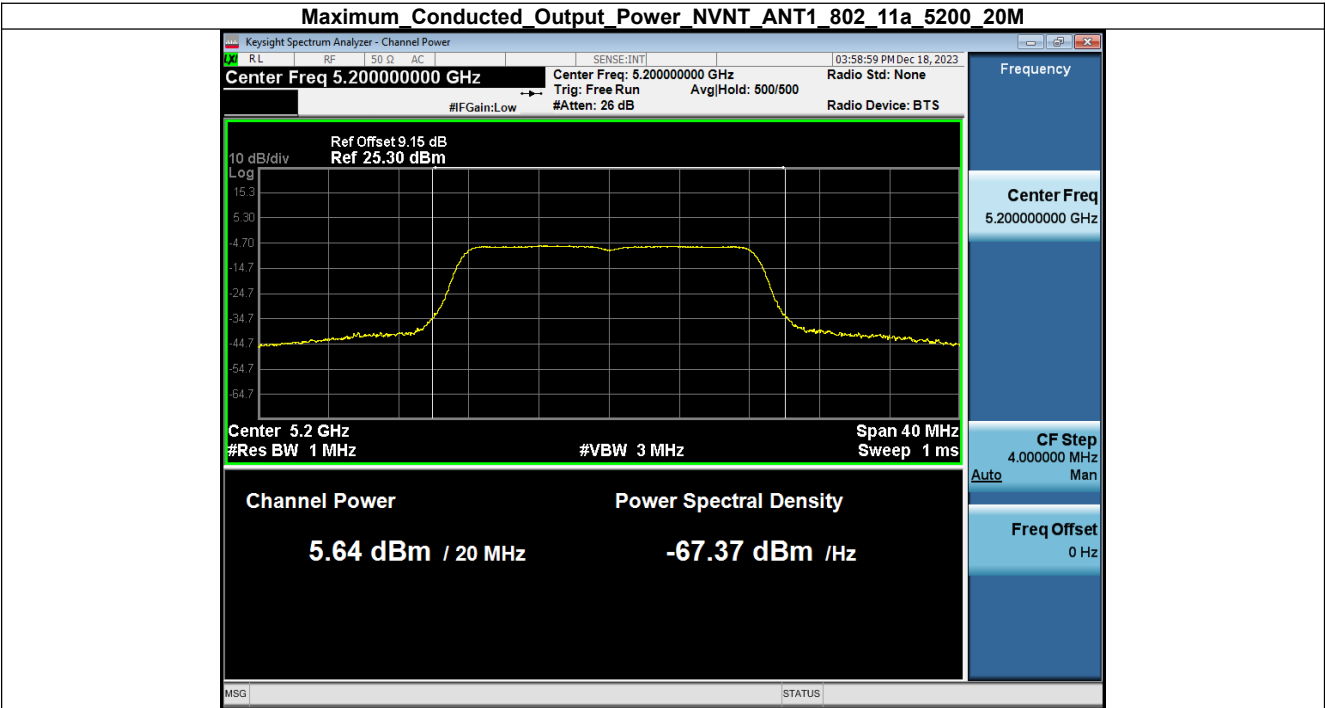
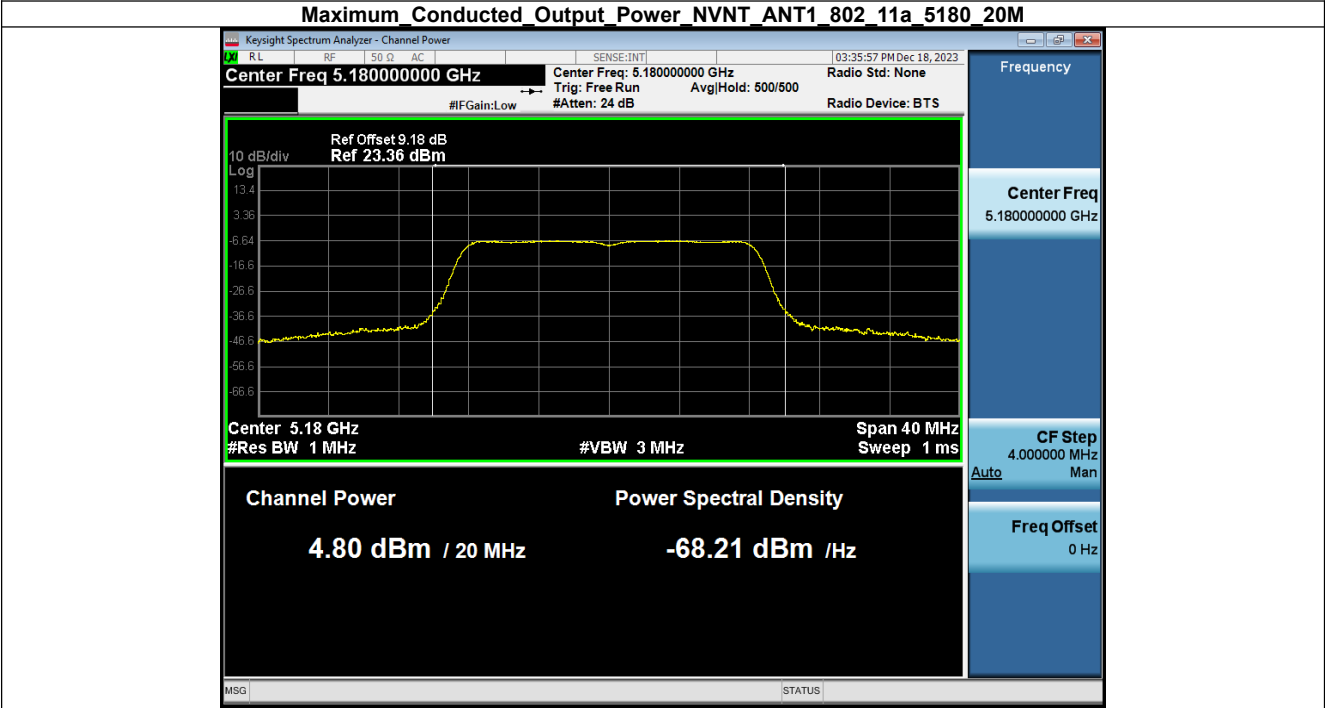


Duty Cycle NVNT_ANT1_802_11n(HT40)_5230

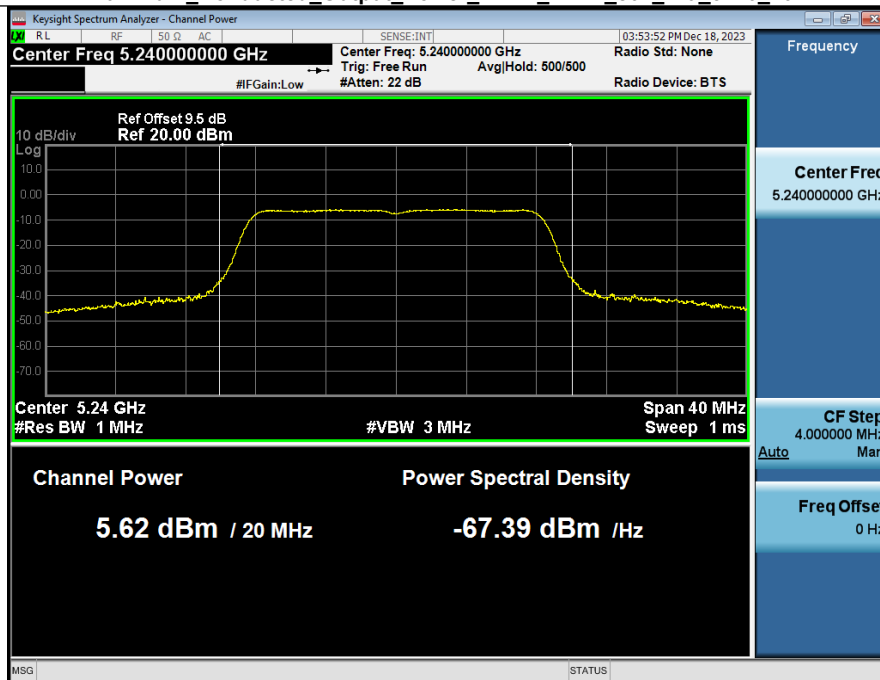


3. Maximum Conducted Output Power

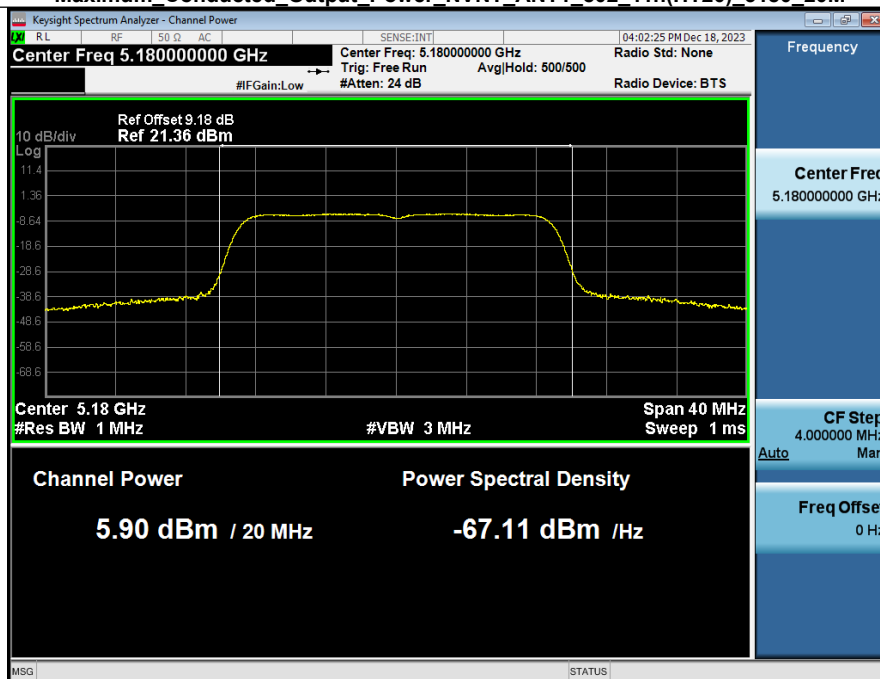
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	4.80	0.48	5.28	24	Pass
NVNT	ANT1	802.11a	5200.00	5.64	0.47	6.11	24	Pass
NVNT	ANT1	802.11a	5240.00	5.62	0.48	6.10	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5.90	0.48	6.38	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	5.58	0.49	6.07	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	6.02	0.49	6.51	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5.18	0.91	6.09	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5.32	0.94	6.26	24	Pass



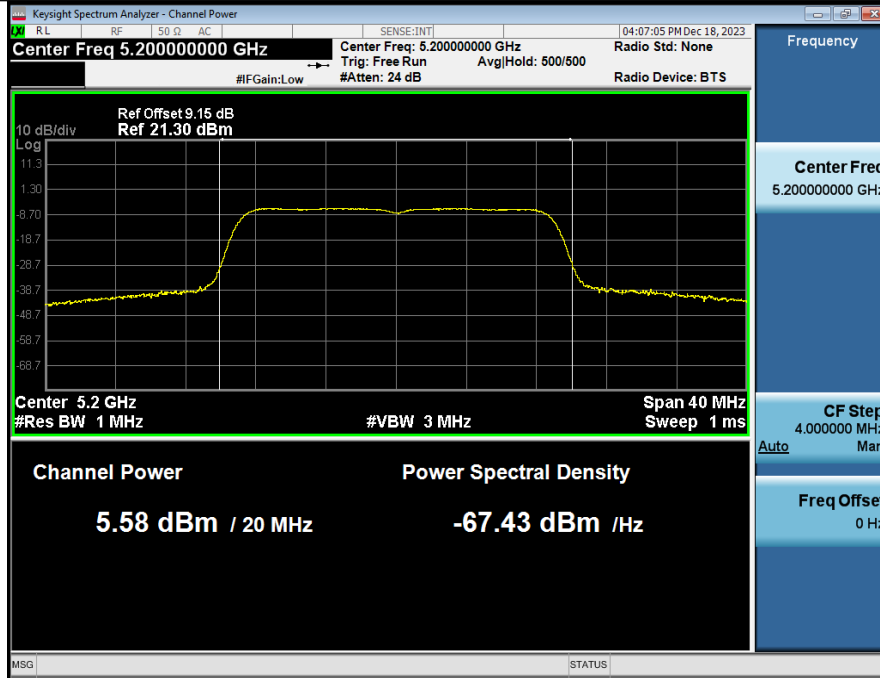
Maximum Conducted Output Power_NVNT_ANT1_802_11a_5240_20M



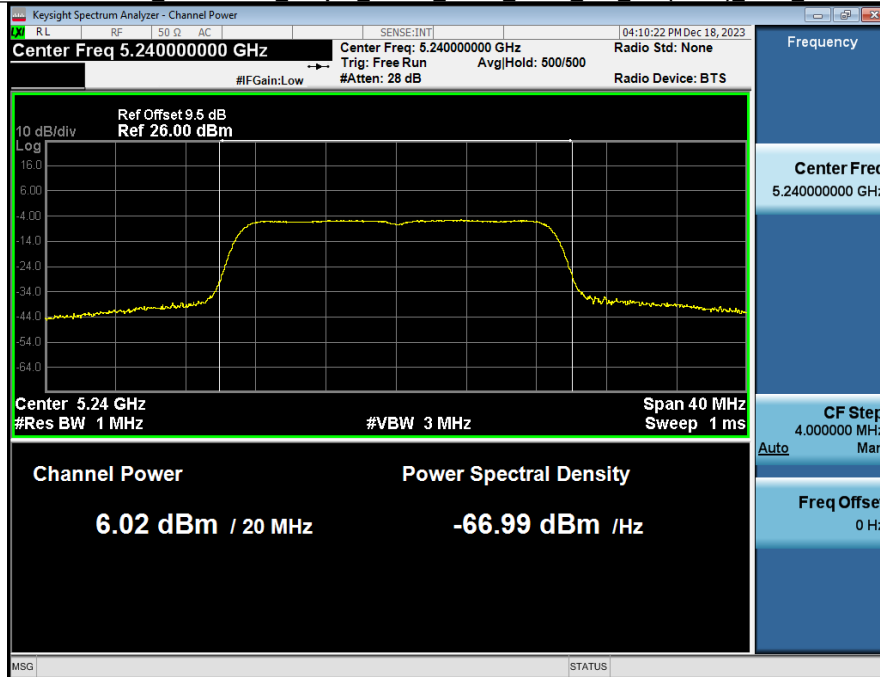
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5180_20M



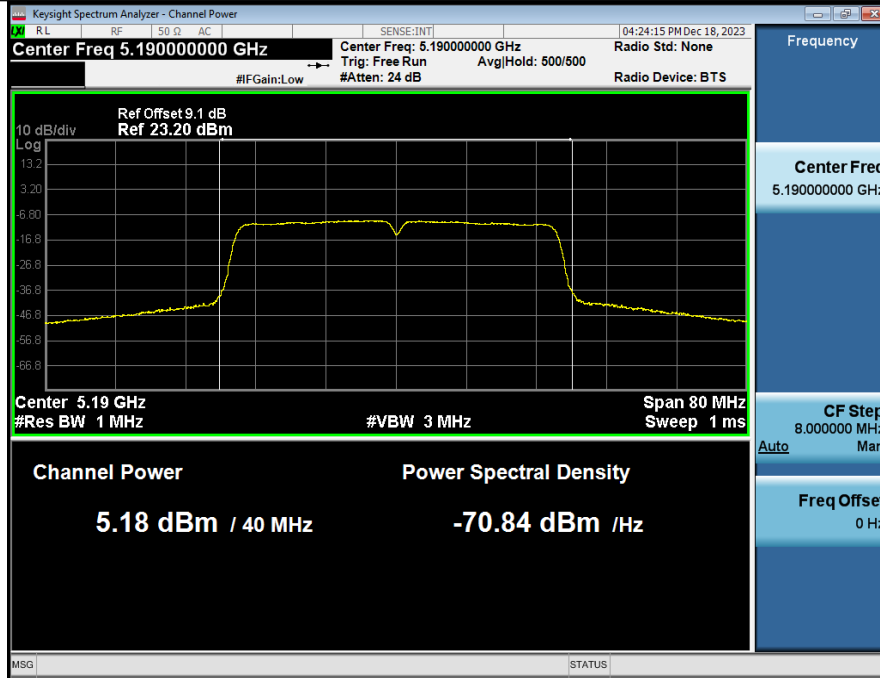
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5200_20M



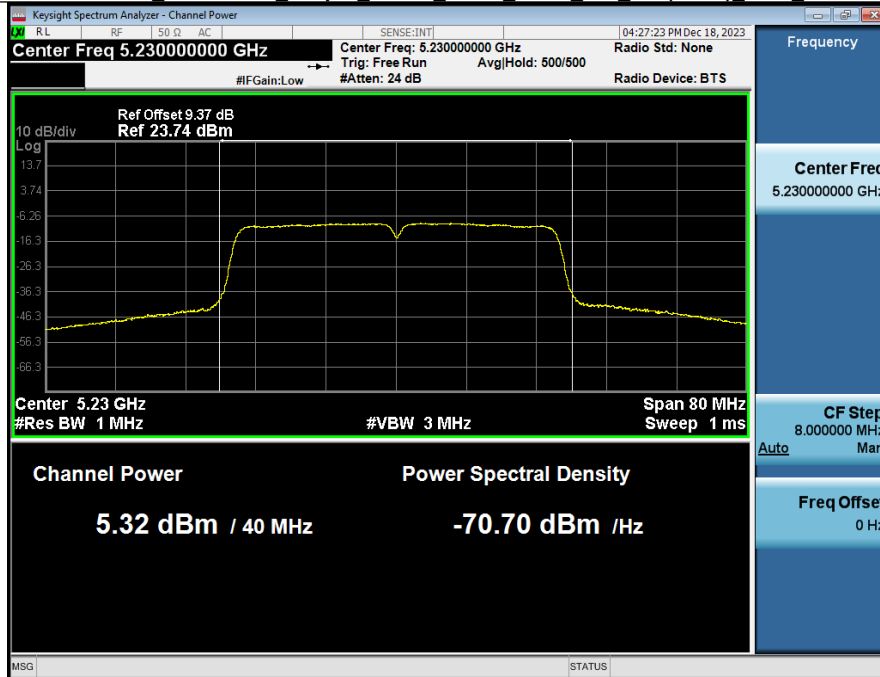
Maximum Conducted Output Power_NVNT_ANT1_802_11n(HT20)_5240_20M



Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5190_40M

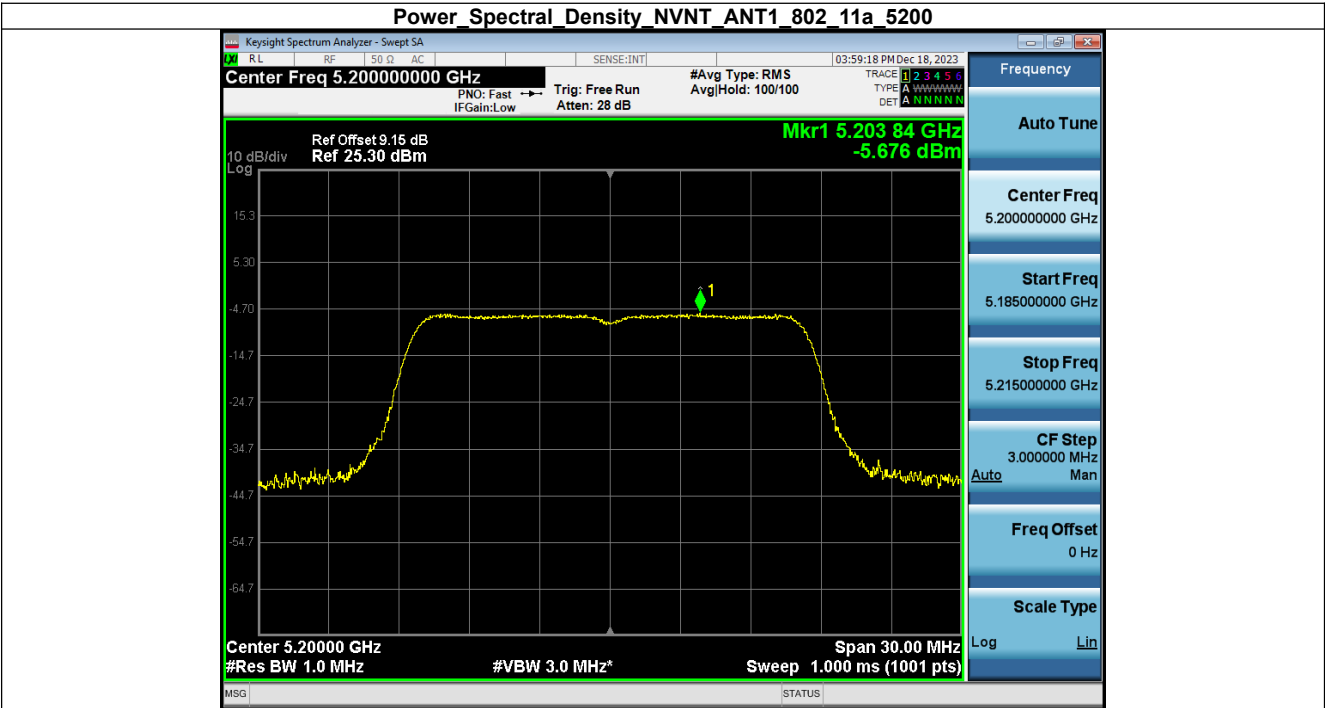


Maximum Conducted Output Power NVNT_ANT1_802_11n(HT40)_5230_40M

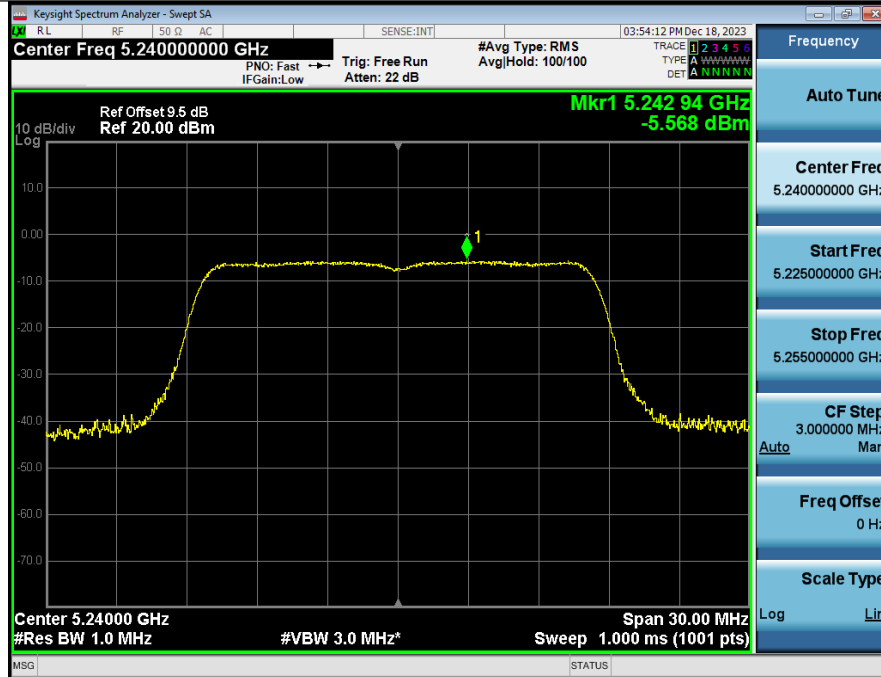


4. Power Spectral Density

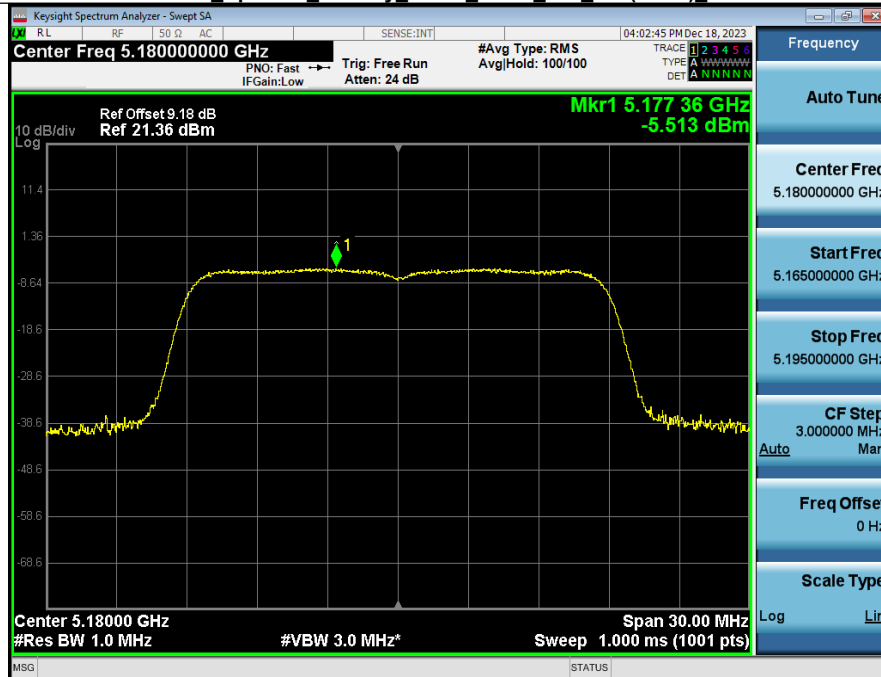
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-6.41	0.48	-5.93	11	Pass
NVNT	ANT1	802.11a	5200.00	-5.68	0.47	-5.21	11	Pass
NVNT	ANT1	802.11a	5240.00	-5.57	0.48	-5.09	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-5.51	0.48	-5.03	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-5.79	0.49	-5.30	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-5.40	0.49	-4.91	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-8.63	0.91	-7.72	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-8.68	0.94	-7.74	11	Pass



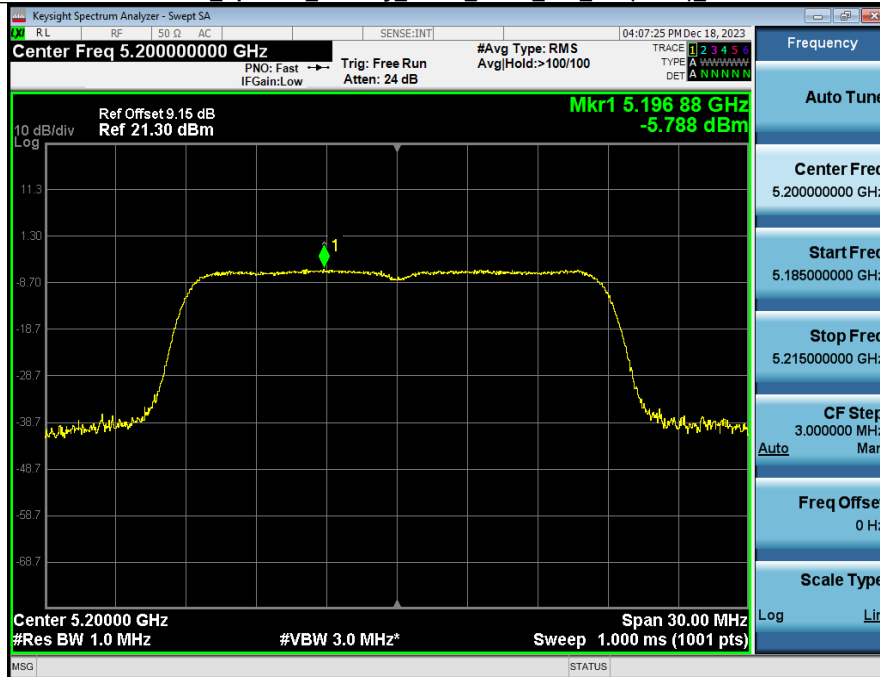
Power Spectral Density_NVNT_ANT1_802_11a_5240



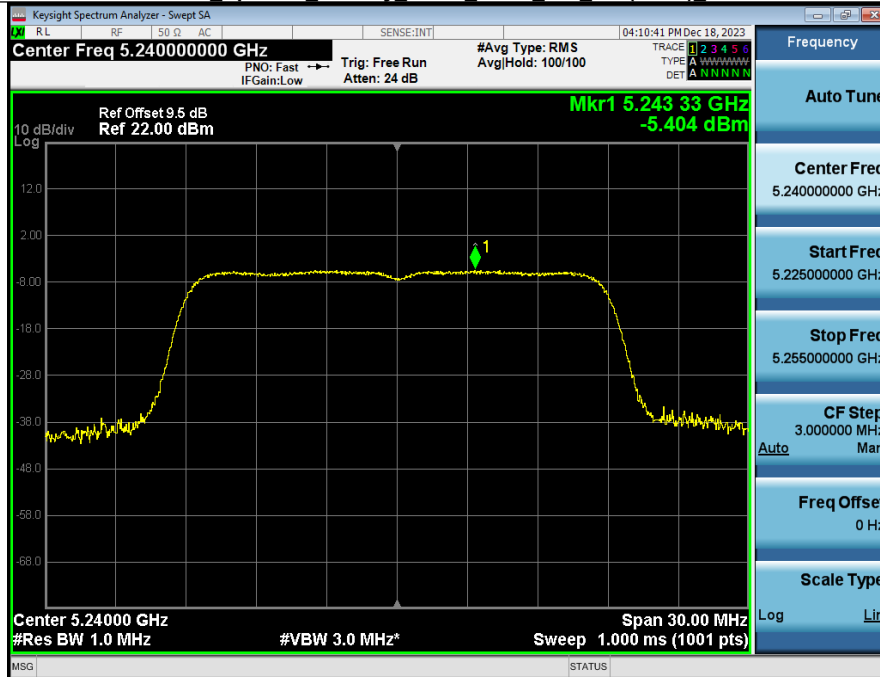
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5180



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



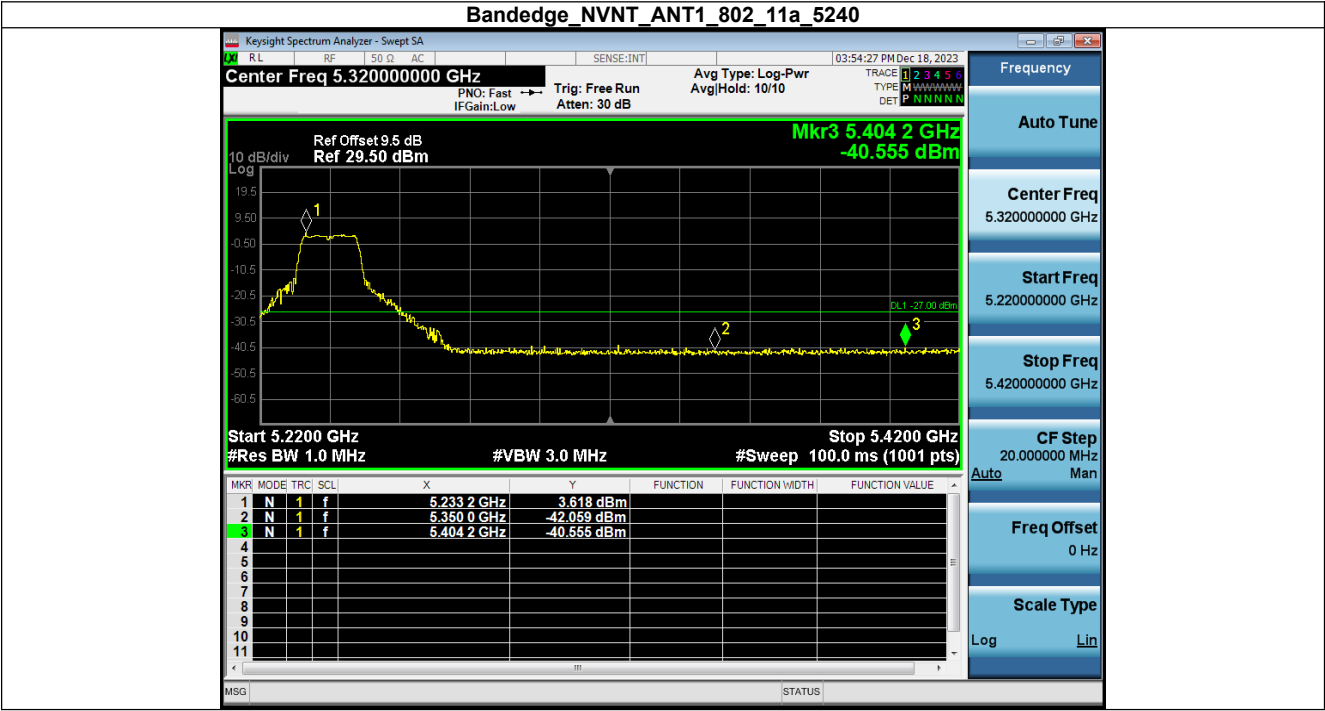
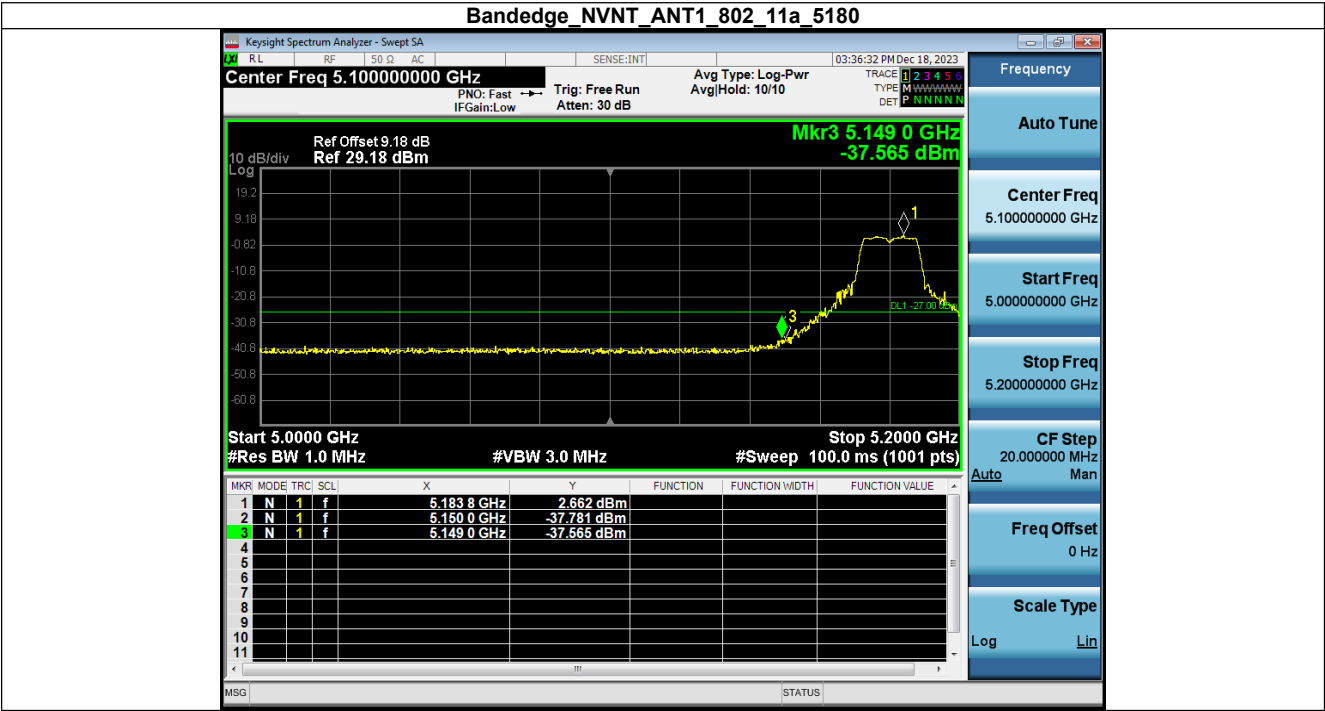
Power Spectral Density NVNT_ANT1_802_11n(HT40)_5230



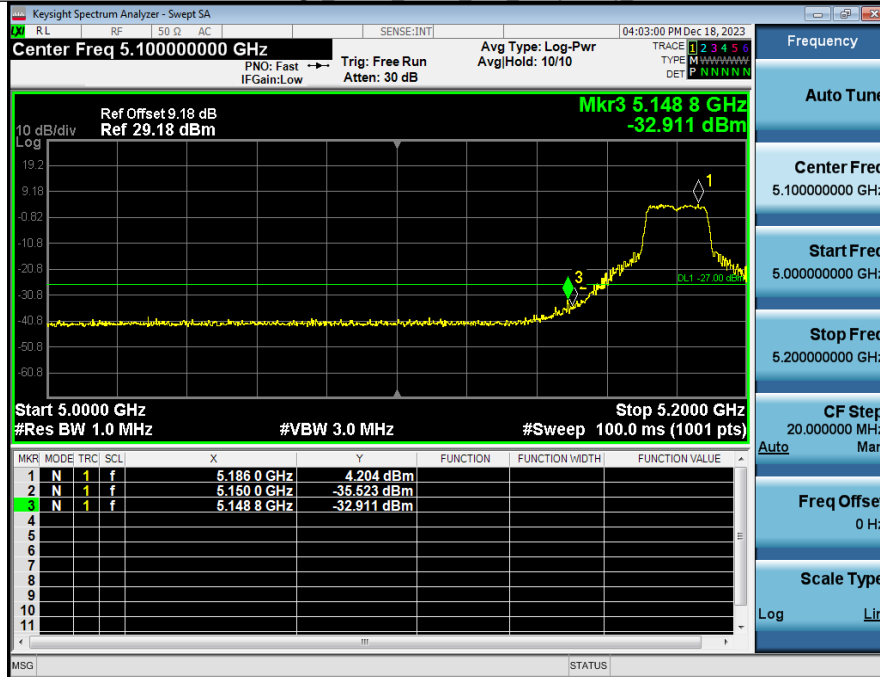
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5149.00	-37.56	-27	Pass
NVNT	ANT1	802.11a	5240.00	5404.20	-40.55	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5148.80	-32.91	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5386.00	-40.49	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5148.68	-33.51	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5402.99	-40.37	-27	Pass

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



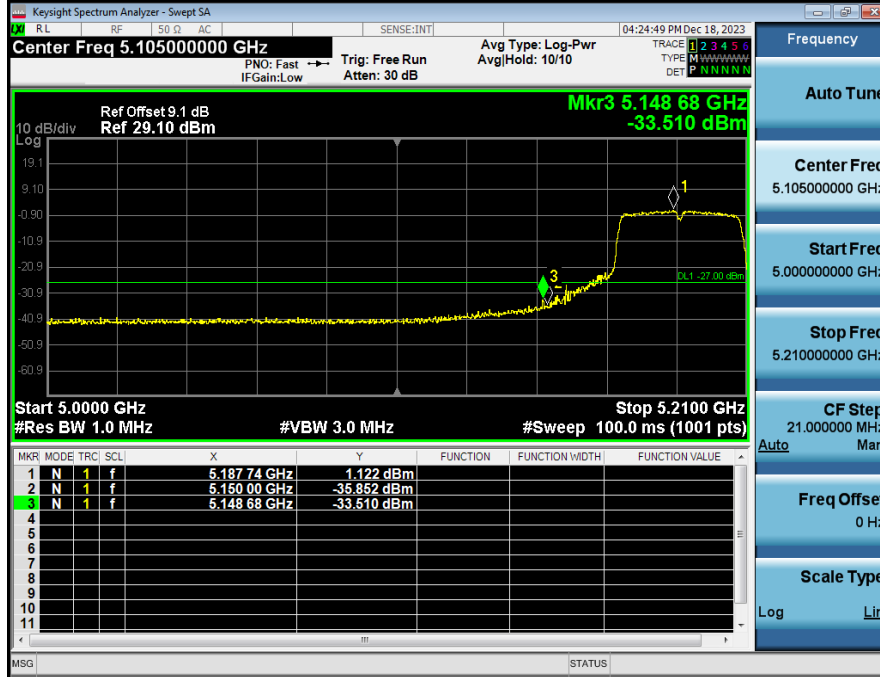
Bandedge_NVNT_ANT1_802_11n(HT20)_5180



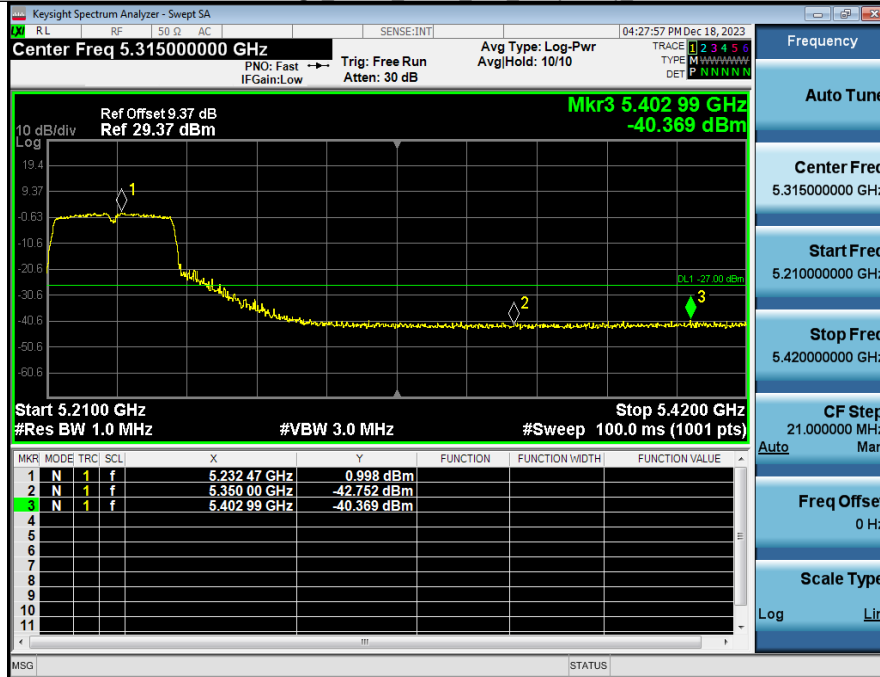
Bandedge_NVNT_ANT1_802_11n(HT20)_5240



Bandedge_NVNT_ANT1_802_11n(HT40)_5190

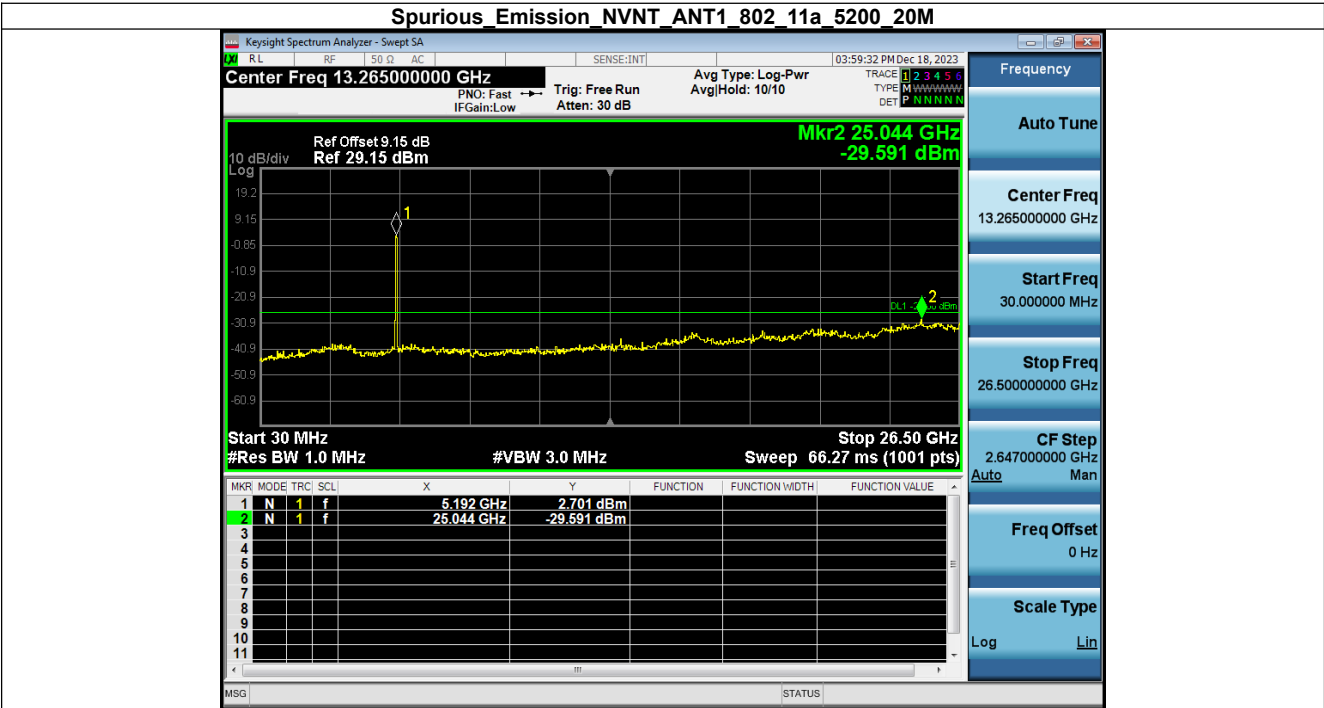
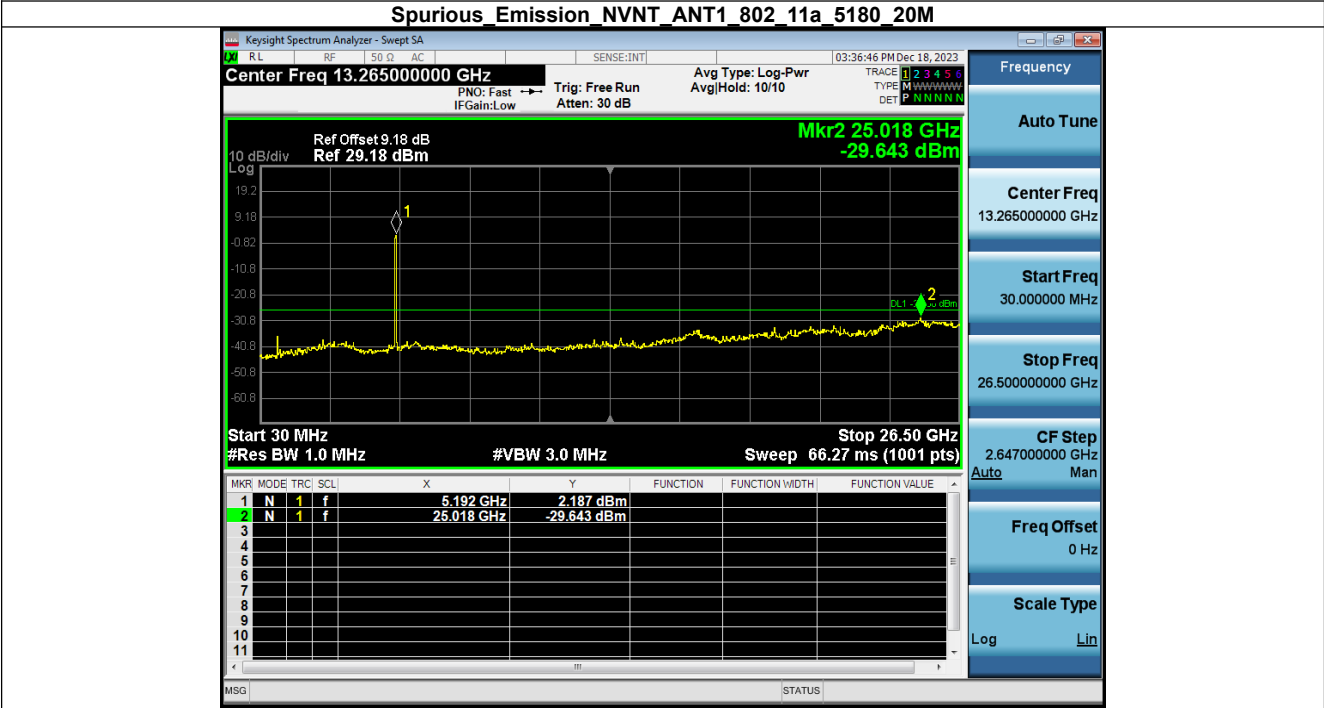


Bandedge_NVNT_ANT1_802_11n(HT40)_5230

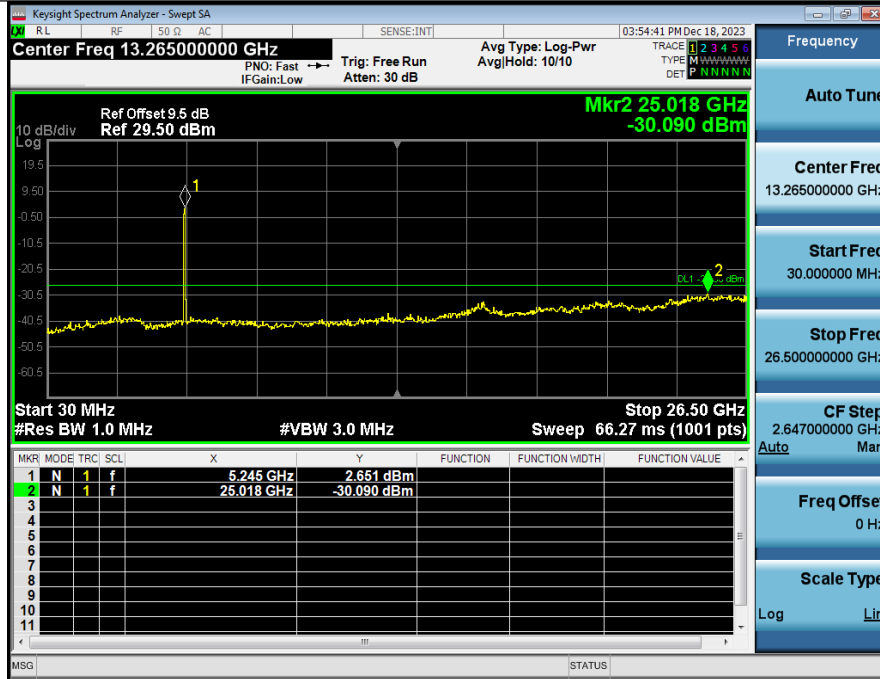


6. Spurious Emission

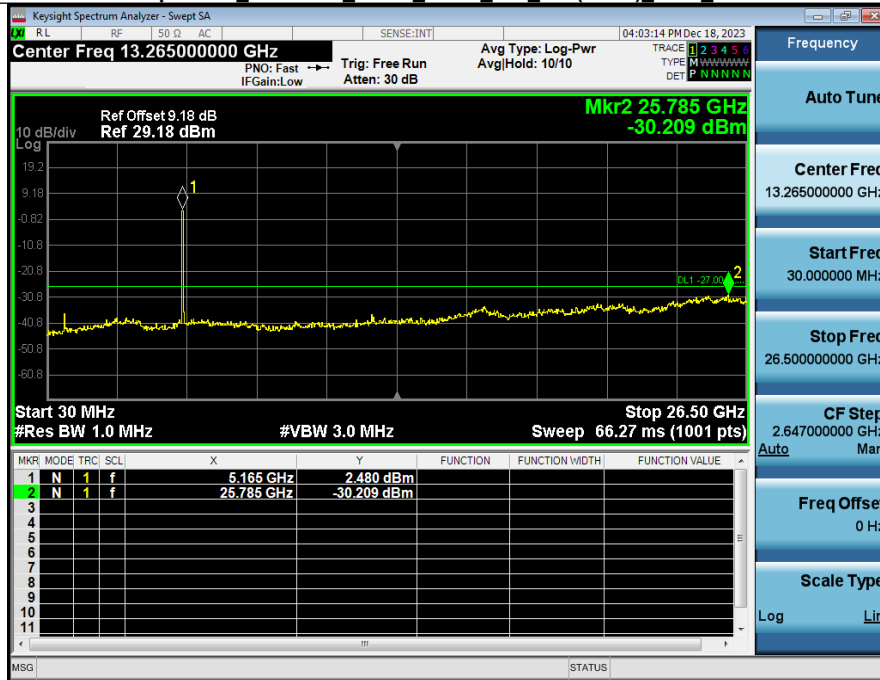
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	25017.68	-29.64	-27	Pass
NVNT	ANT1	802.11a	5200.00	25044.15	-29.59	-27	Pass
NVNT	ANT1	802.11a	5240.00	25017.68	-30.09	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	25785.31	-30.21	-27	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	25044.15	-29.46	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	24911.80	-30.01	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	24911.80	-30.65	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	24991.21	-29.75	-27	Pass



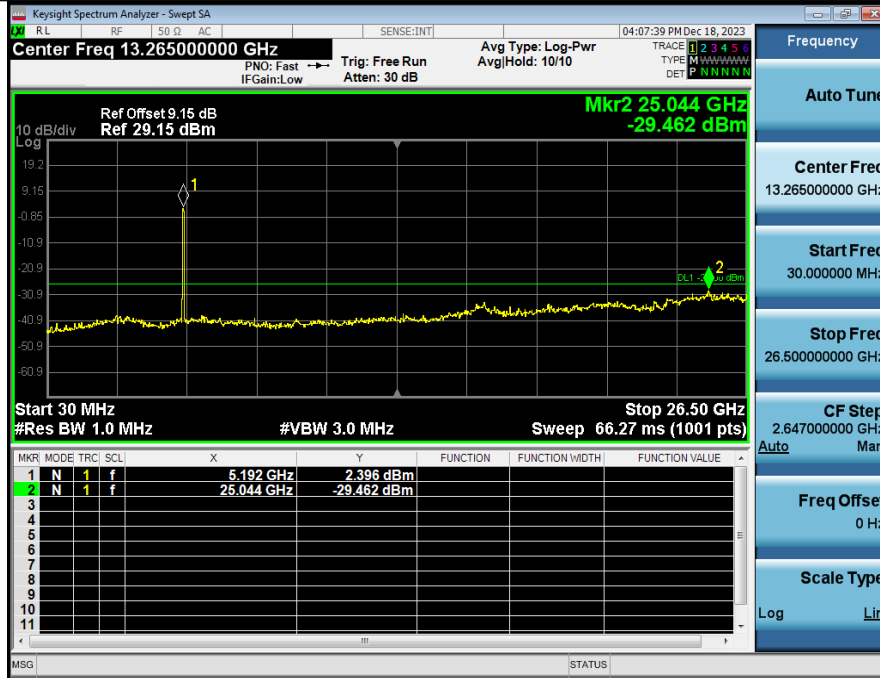
Spurious Emission NVNT_ANT1_802_11a_5240_20M



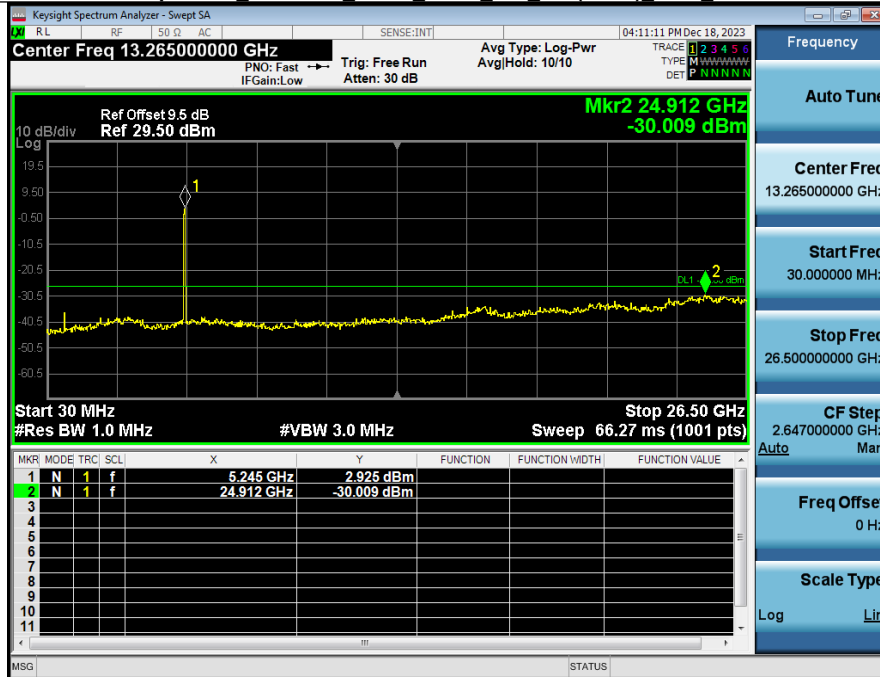
Spurious Emission NVNT_ANT1_802_11n(HT20)_5180_20M



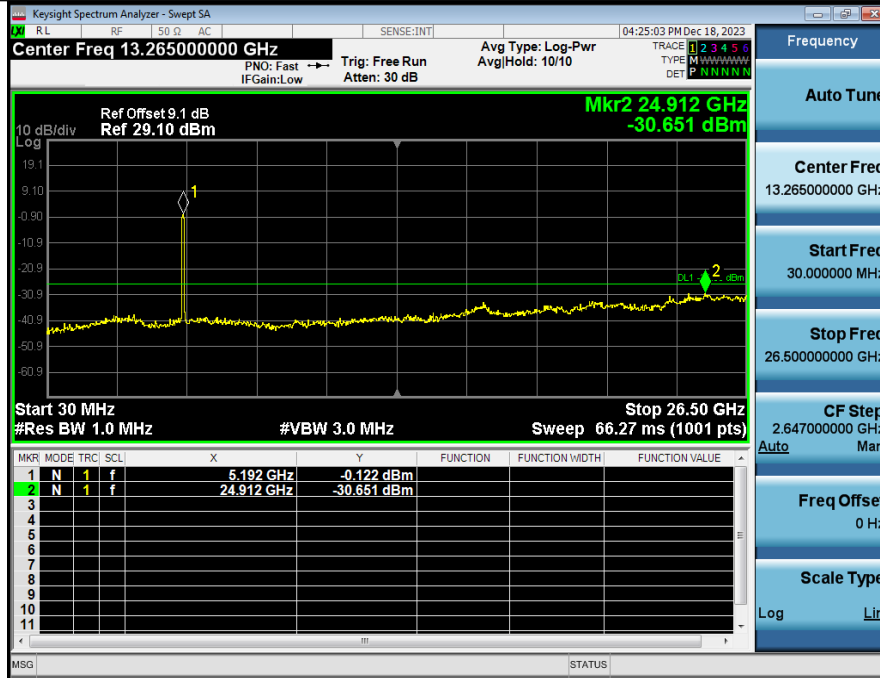
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5200_20M



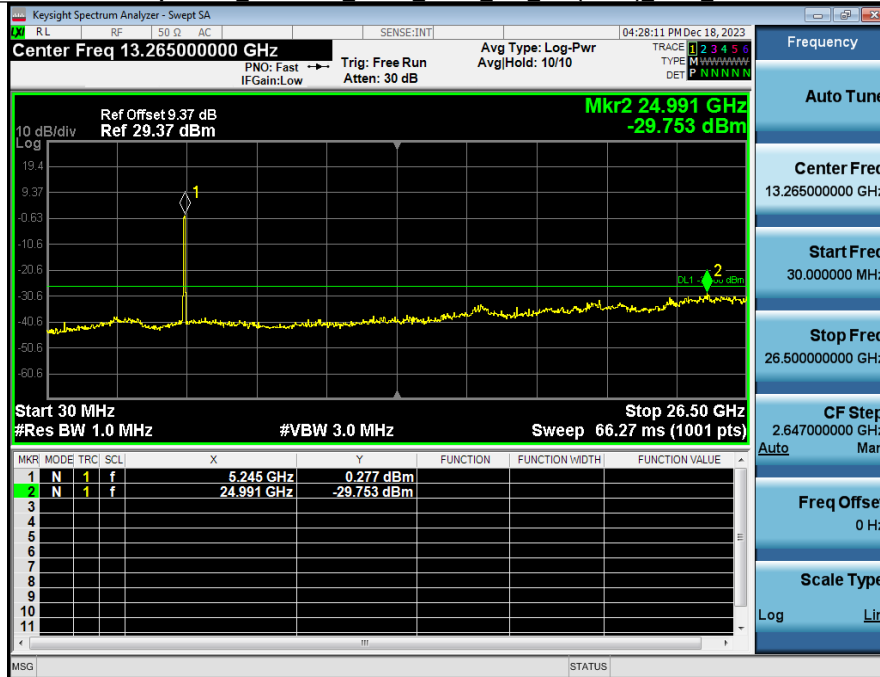
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5240_20M



Spurious Emission_NVNT_ANT1_802_11n(HT40)_5190_40M

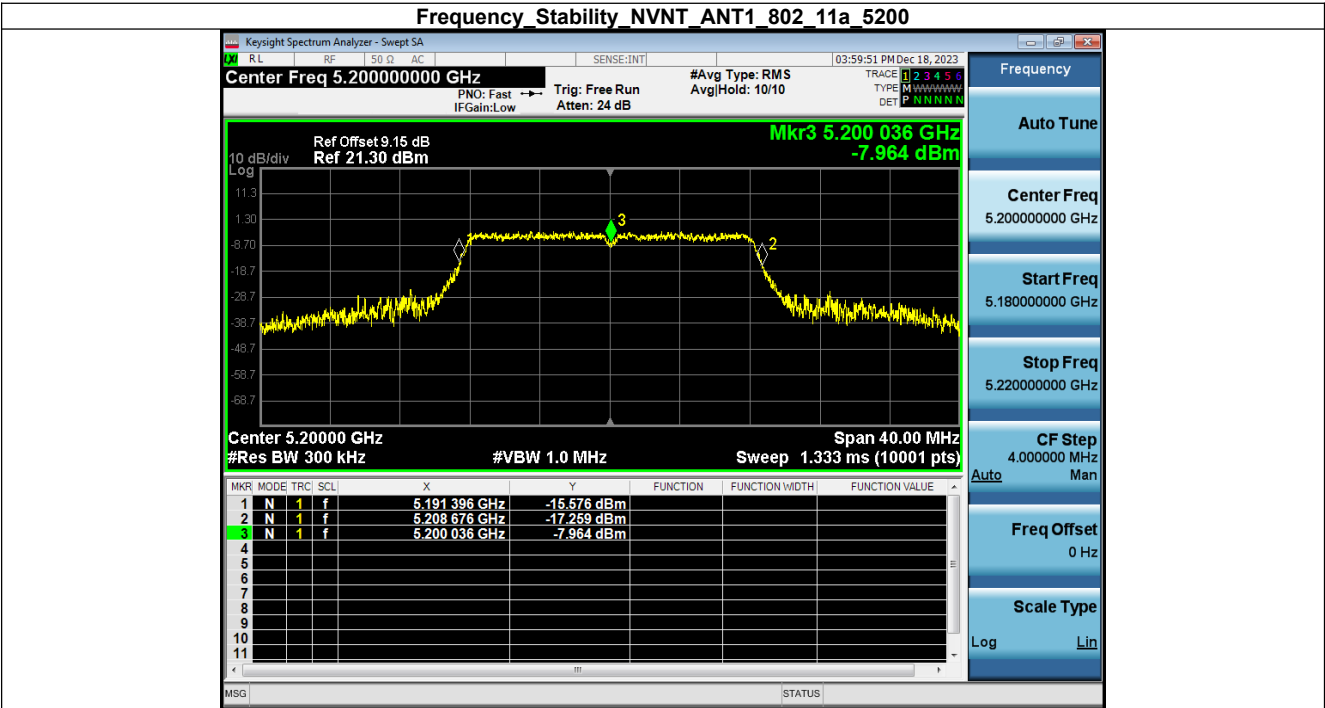
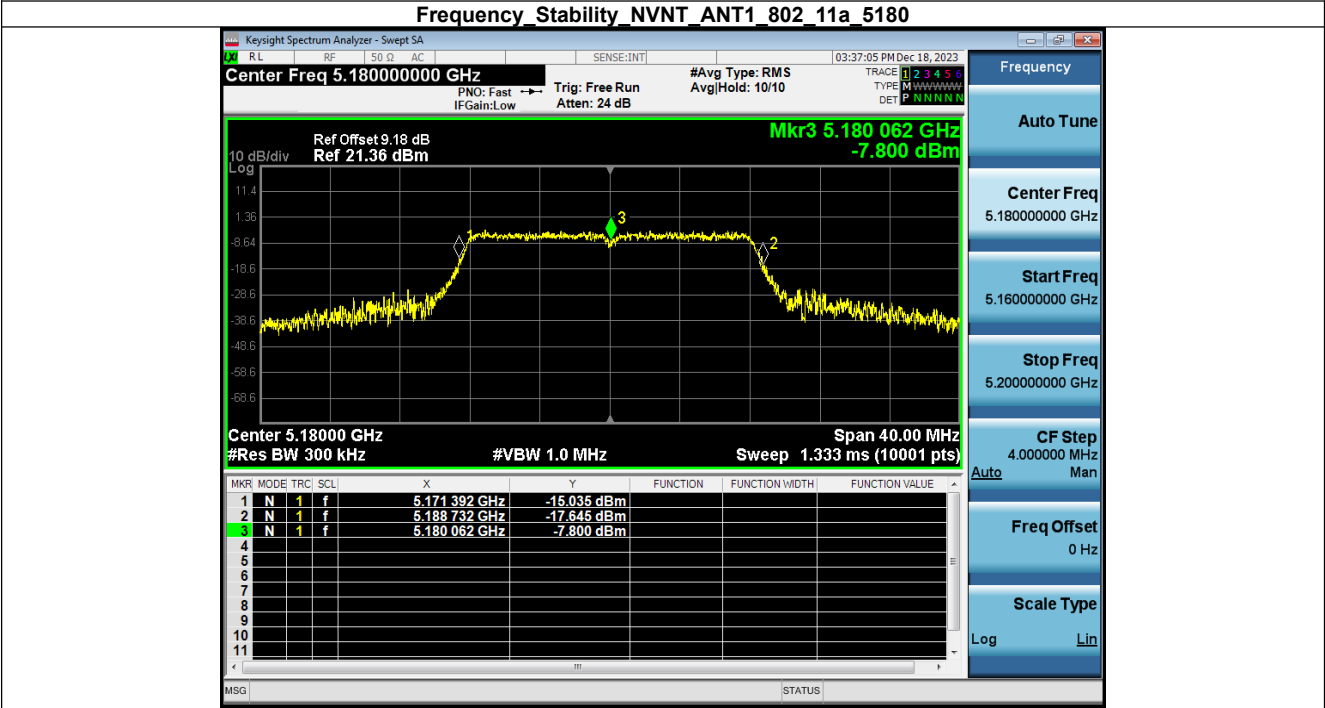


Spurious Emission_NVNT_ANT1_802_11n(HT40)_5230_40M

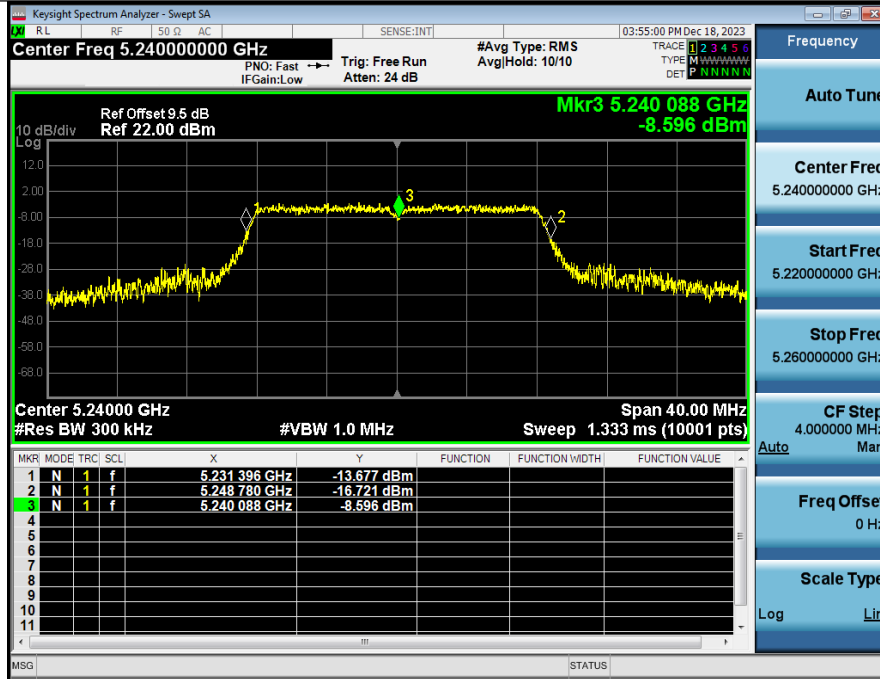


7. Frequency Stability

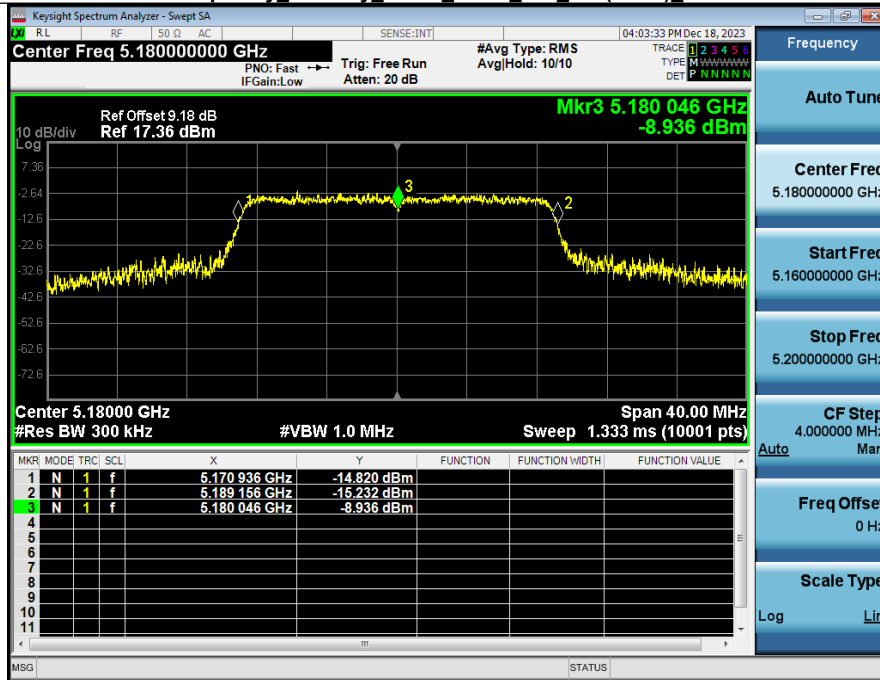
Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fl(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5180.00	5180.062	5171.392	5188.732	5150~5250	Pass
NVNT	ANT1	802.11a	5200.00	5200.036	5191.396	5208.676	5150~5250	Pass
NVNT	ANT1	802.11a	5240.00	5240.088	5231.396	5248.780	5150~5250	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5180.046	5170.936	5189.156	5150~5250	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	5200.036	5190.900	5209.172	5150~5250	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5240.050	5230.944	5249.156	5150~5250	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5190.052	5171.816	5208.288	5150~5250	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5230.064	5211.816	5248.312	5150~5250	Pass



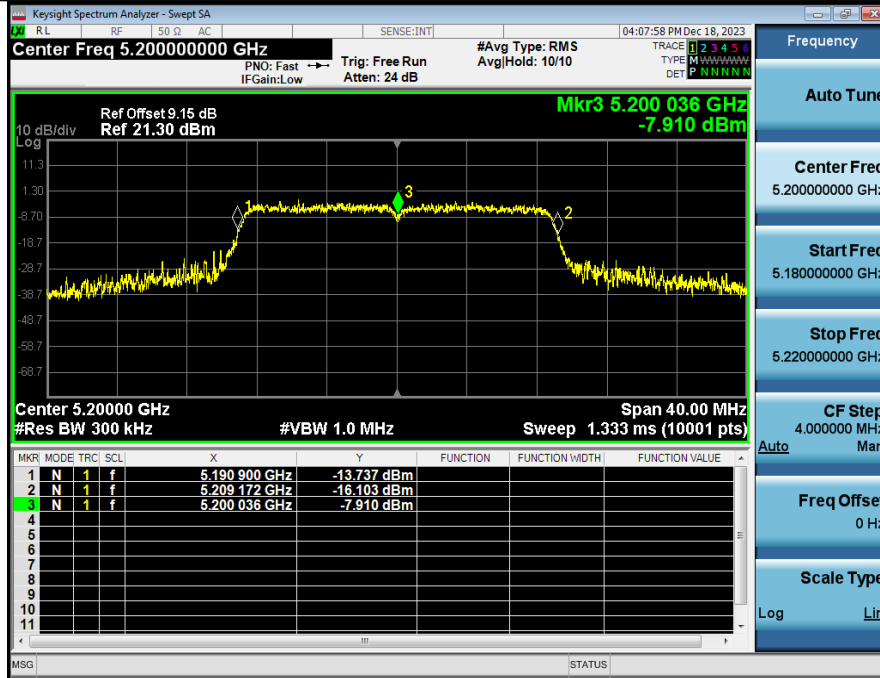
Frequency Stability_NVNT_ANT1_802_11a_5240



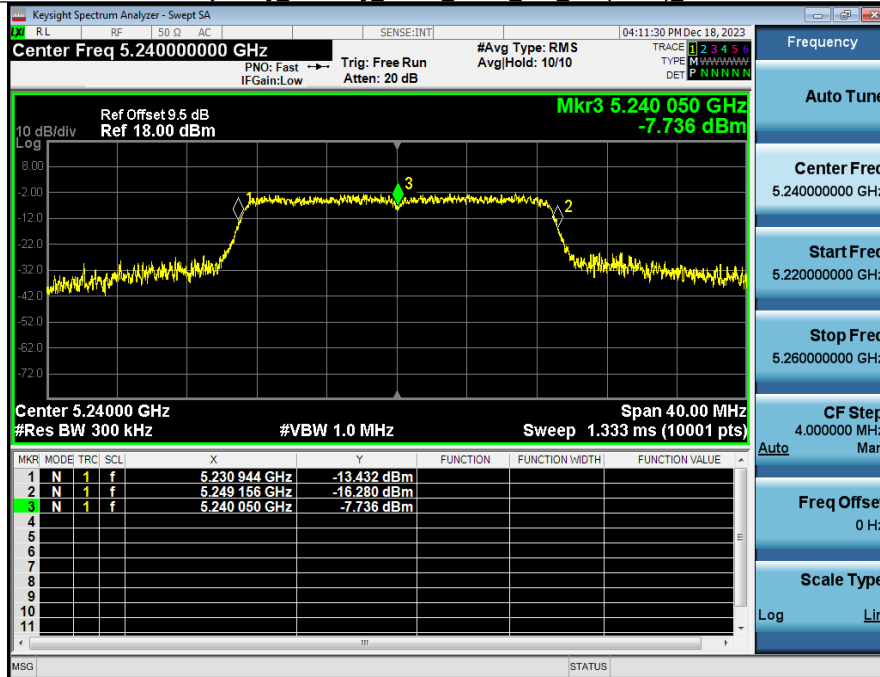
Frequency Stability_NVNT_ANT1_802_11n(HT20)_5180



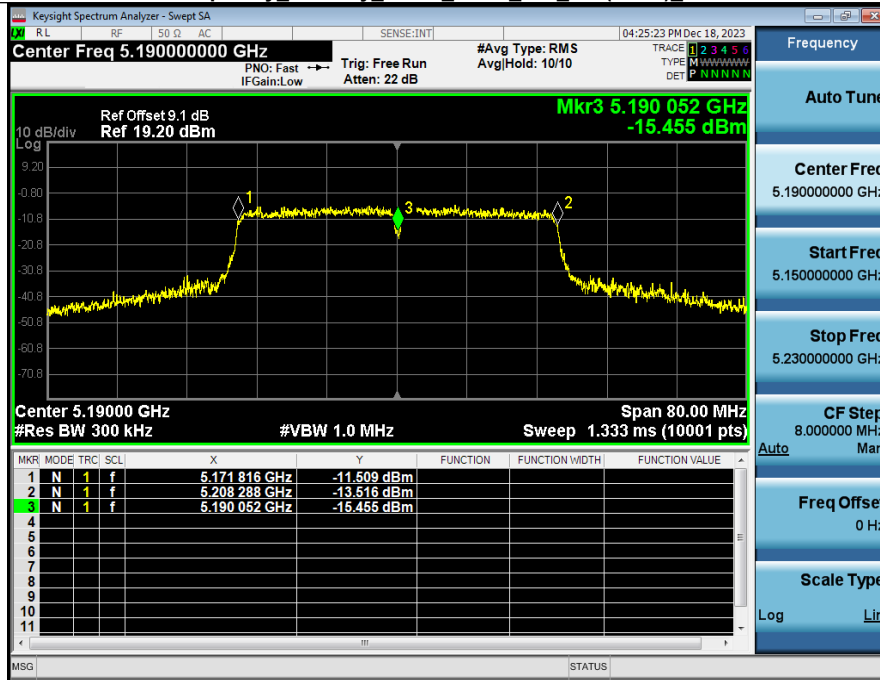
Frequency Stability NVNT_ANT1_802_11n(HT20)_5200



Frequency Stability NVNT_ANT1_802_11n(HT20)_5240



Frequency Stability NVNT_ANT1_802_11n(HT40)_5190



Frequency Stability NVNT_ANT1_802_11n(HT40)_5230

