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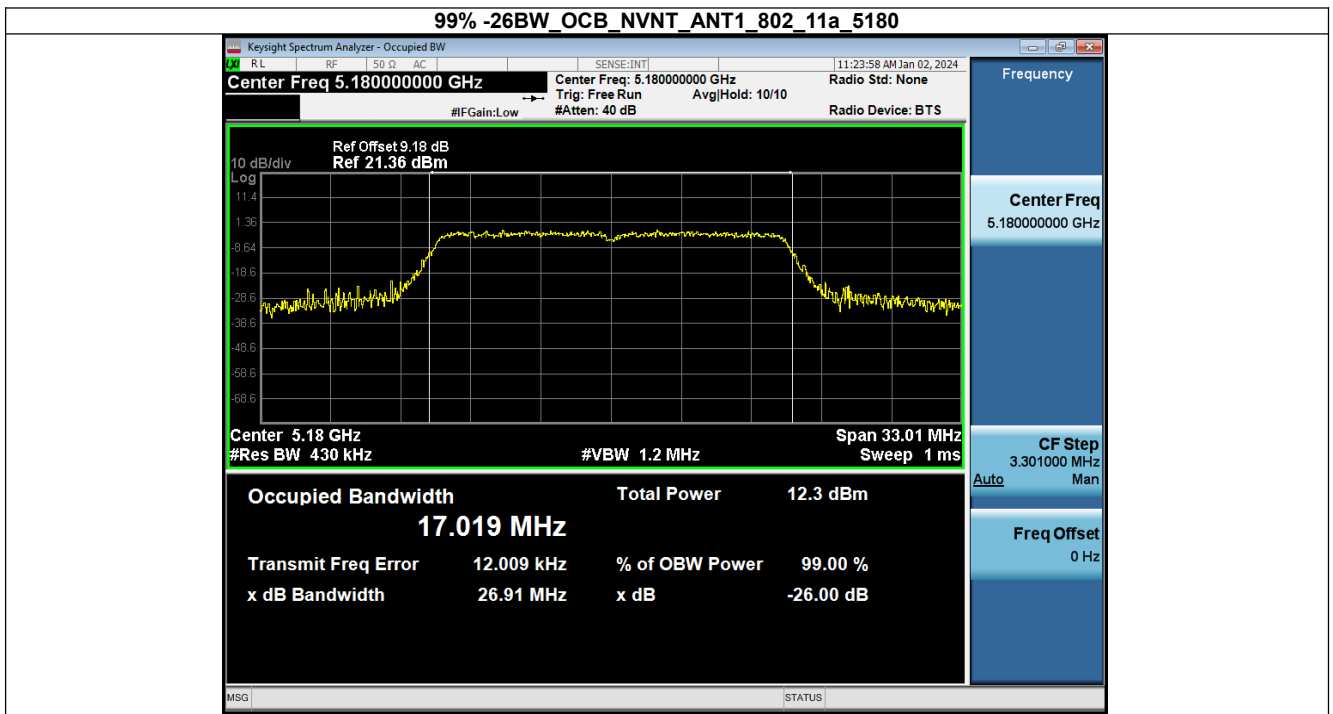
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# FCC ID WIFI5.2

## FCC\_5.2G\_WIFI (Part15.407) Test Data

### 1. -26dB and 99% Emission Bandwidth

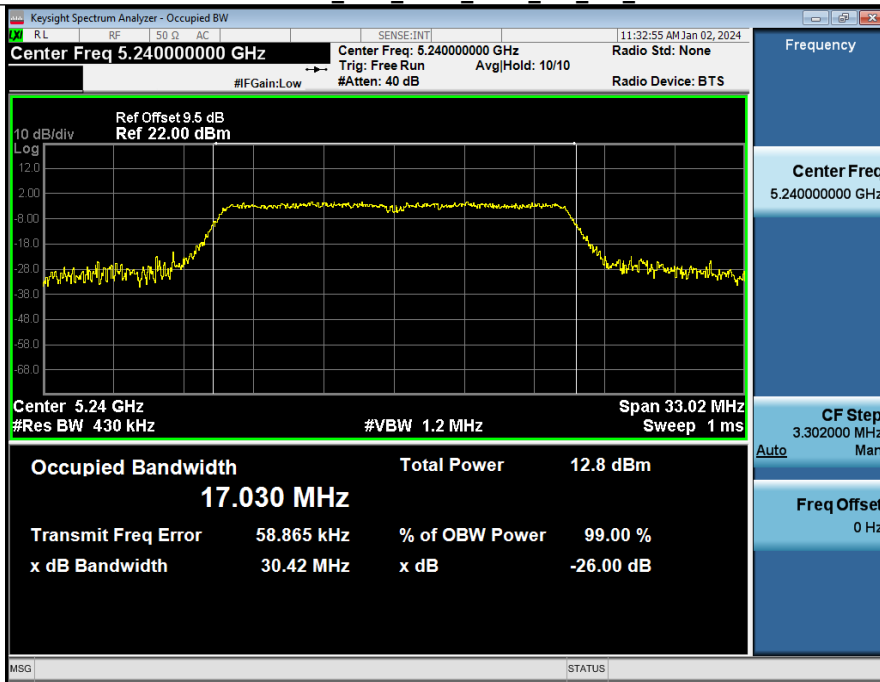
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	26.91	17.02
NVNT	ANT1	802.11a	5200.00	30.39	17.05
NVNT	ANT1	802.11a	5240.00	30.42	17.03
NVNT	ANT1	802.11n(HT20)	5180.00	31.41	17.88
NVNT	ANT1	802.11n(HT20)	5200.00	30.72	17.90
NVNT	ANT1	802.11n(HT20)	5240.00	28.81	17.90
NVNT	ANT1	802.11n(HT40)	5190.00	48.32	36.30
NVNT	ANT1	802.11n(HT40)	5230.00	52.93	36.39



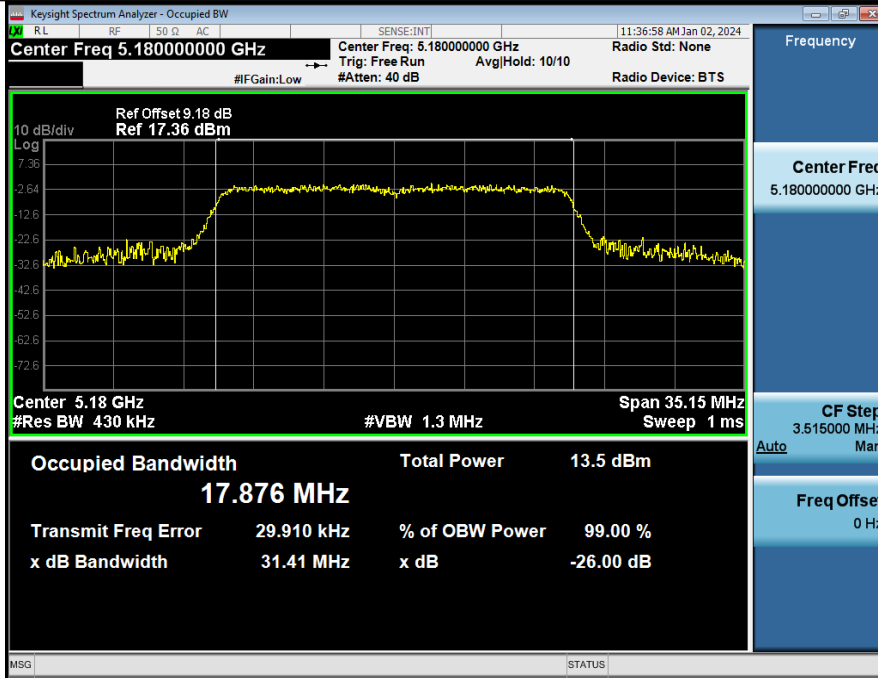
99% -26BW\_OCB\_NVNT\_ANT1\_802\_11a\_5200



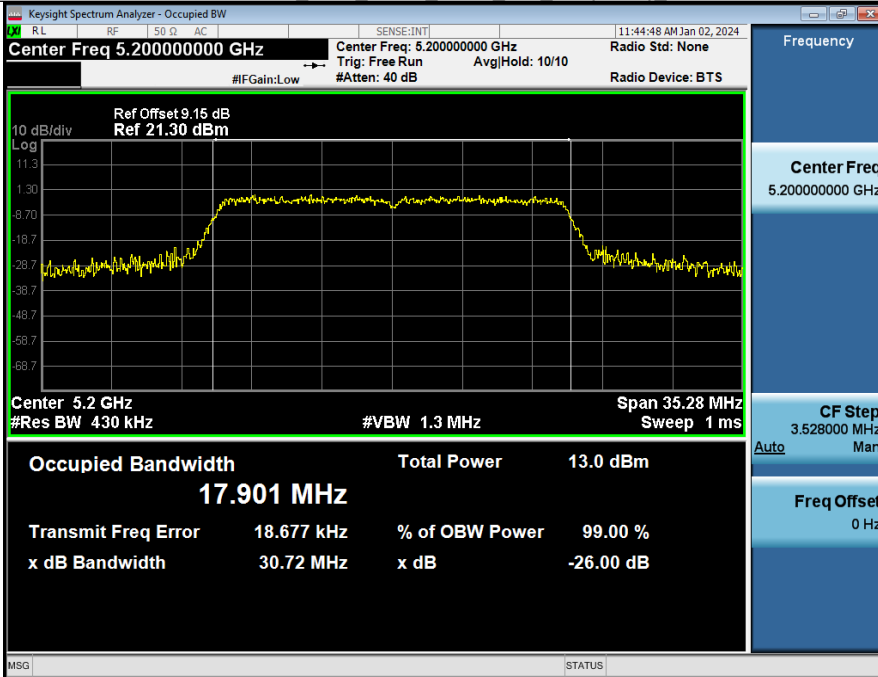
99% -26BW\_OCB\_NVNT\_ANT1\_802\_11a\_5240



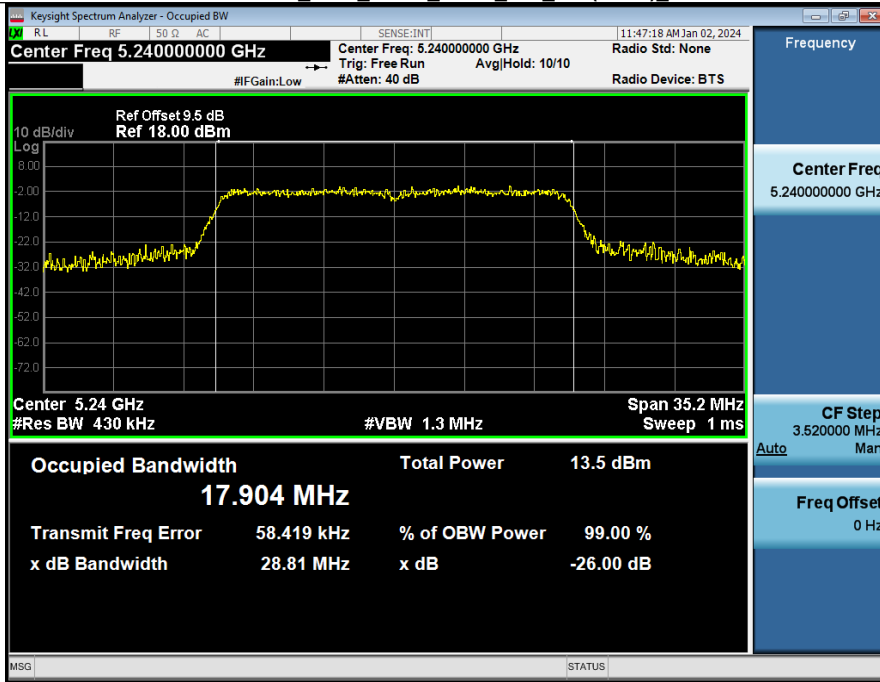
99% -26BW\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5180



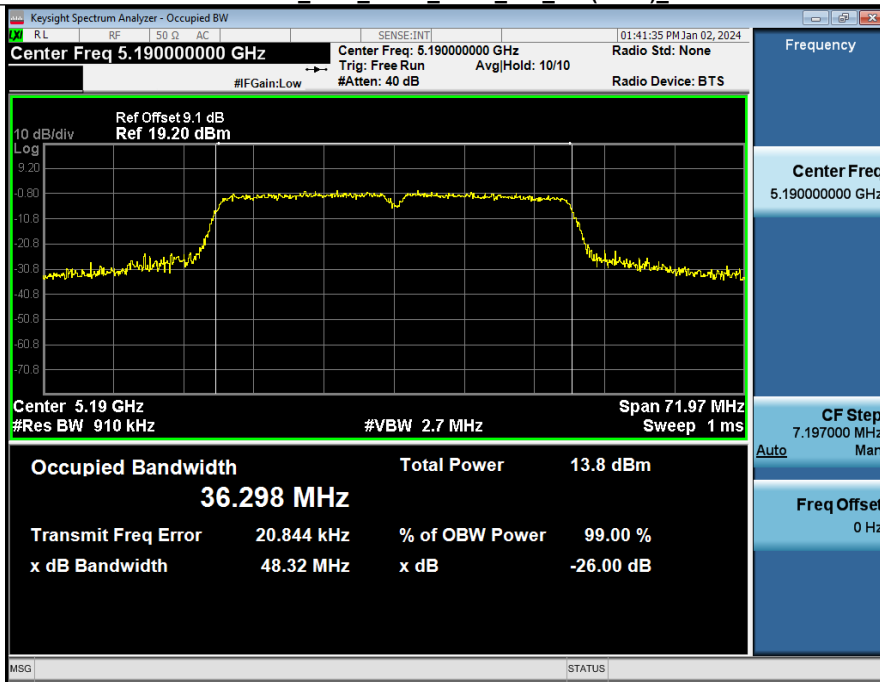
99% -26BW\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5200



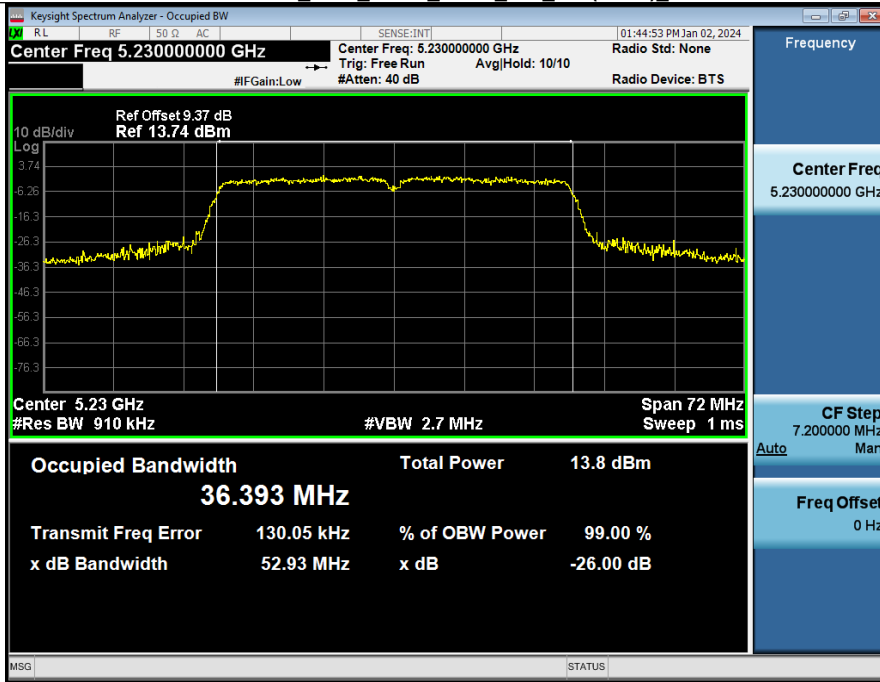
99% -26BW\_OCB\_NVNT\_ANT1\_802\_11n(HT20)\_5240



99% -26BW\_OCB\_NVNT\_ANT1\_802\_11n(HT40)\_5190

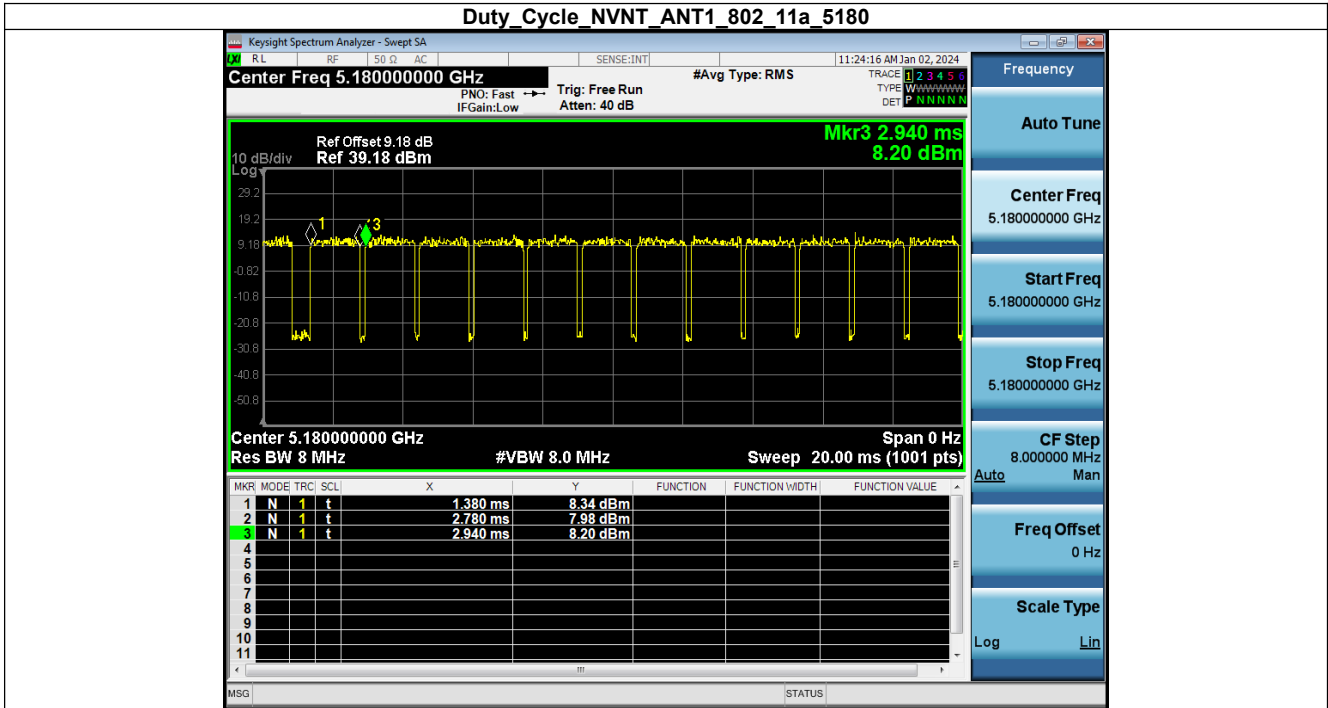


99% -26BW\_OCB\_NVNT\_ANT1\_802\_11n(HT40)\_5230

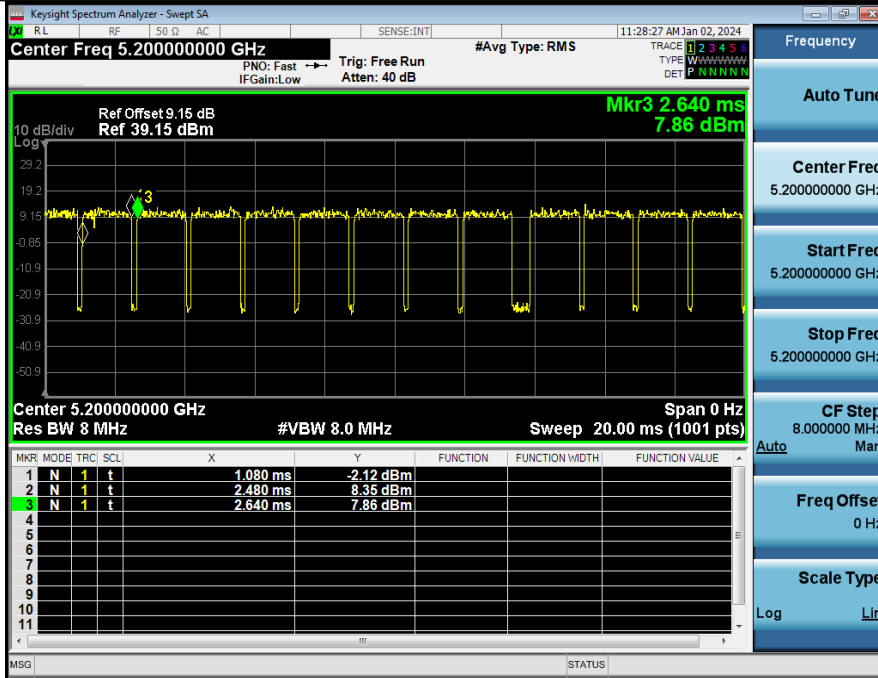


## 2. Duty Cycle

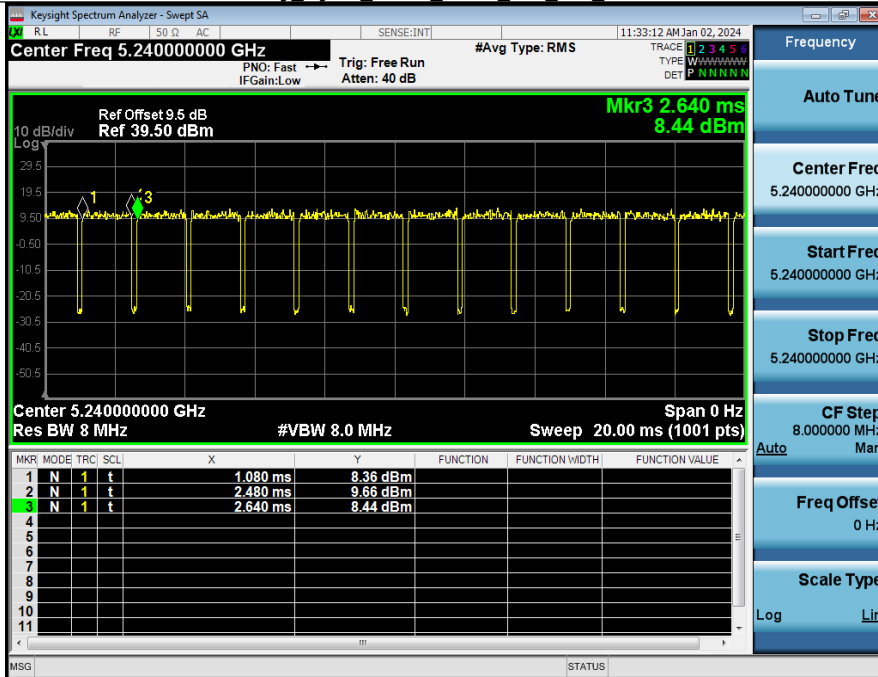
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	89.74	0.47
NVNT	ANT1	802.11a	5200.00	89.74	0.47
NVNT	ANT1	802.11a	5240.00	89.74	0.47
NVNT	ANT1	802.11n(HT20)	5180.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5200.00	88.06	0.55
NVNT	ANT1	802.11n(HT20)	5240.00	89.39	0.49
NVNT	ANT1	802.11n(HT40)	5190.00	78.38	1.06
NVNT	ANT1	802.11n(HT40)	5230.00	78.38	1.06



### Duty Cycle NVNT\_ANT1\_802\_11a\_5200

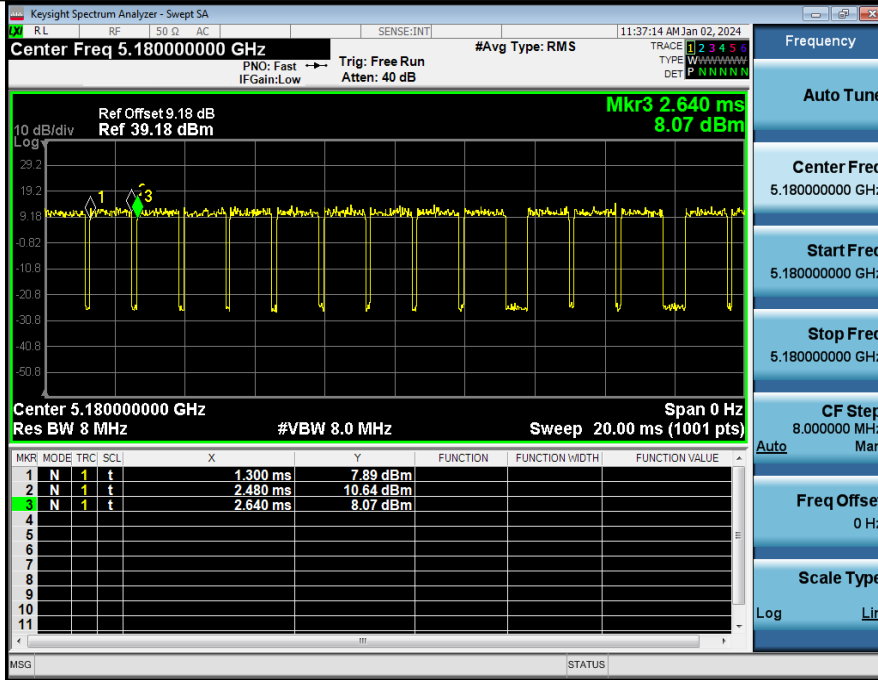


### Duty Cycle NVNT\_ANT1\_802\_11a\_5240

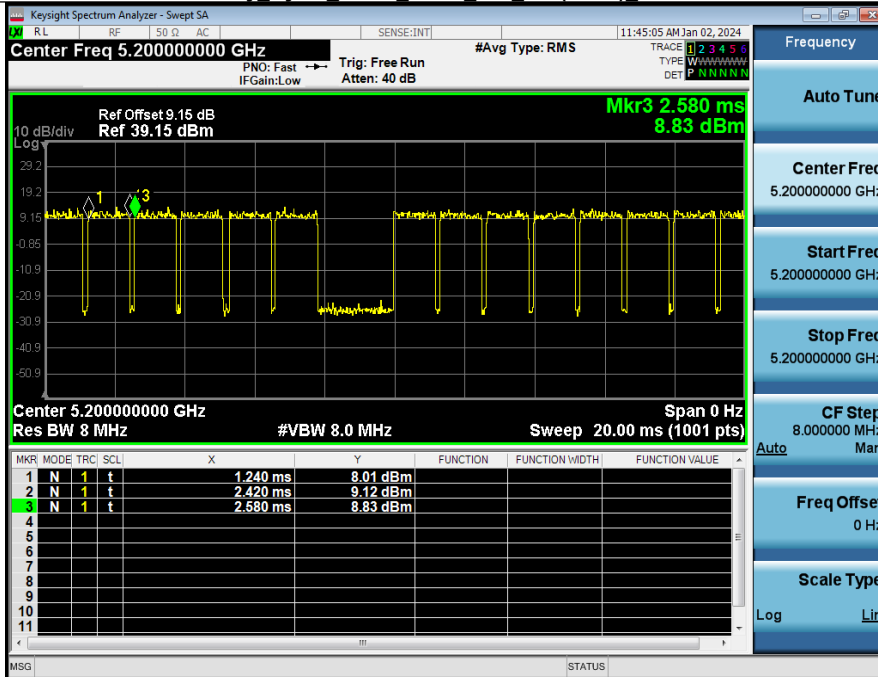




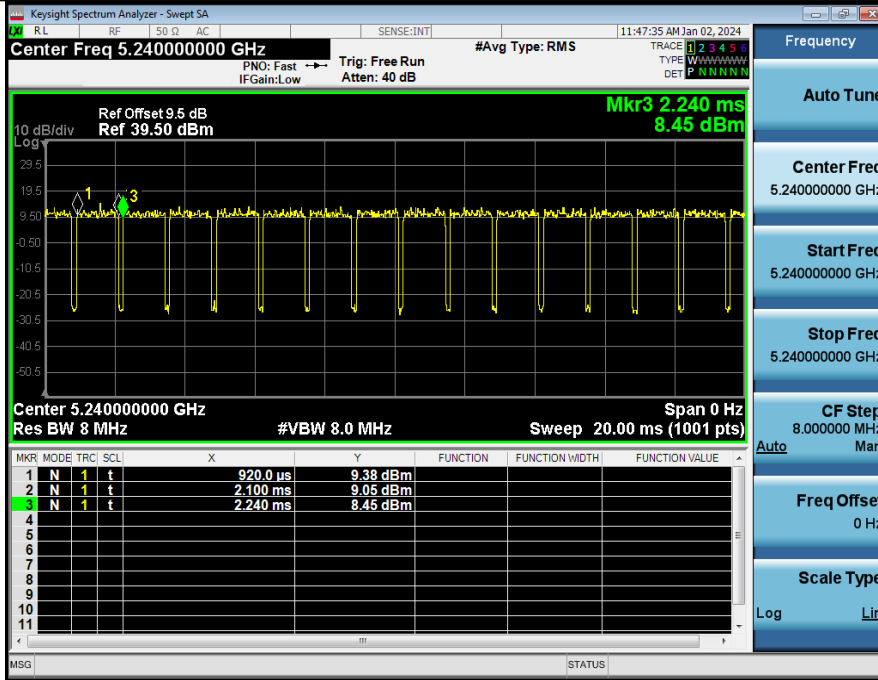
### Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5180



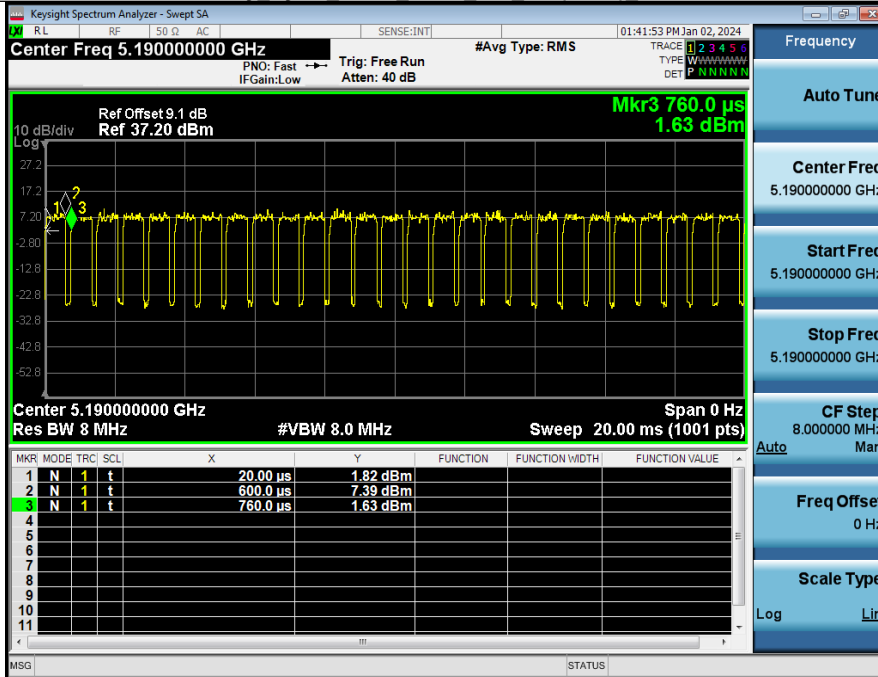
### Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5200



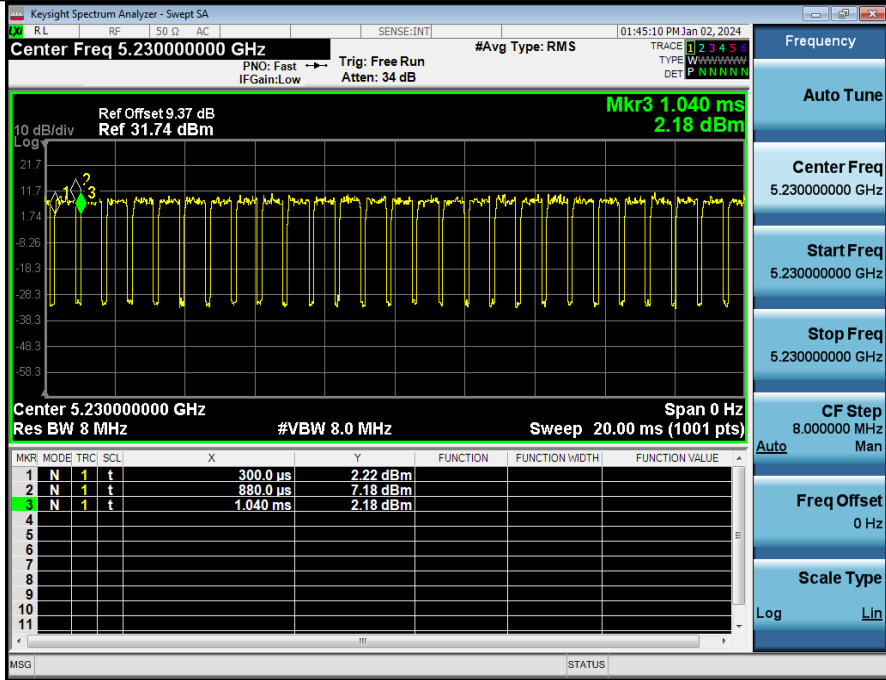
Duty Cycle NVNT\_ANT1\_802\_11n(HT20)\_5240



Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5190

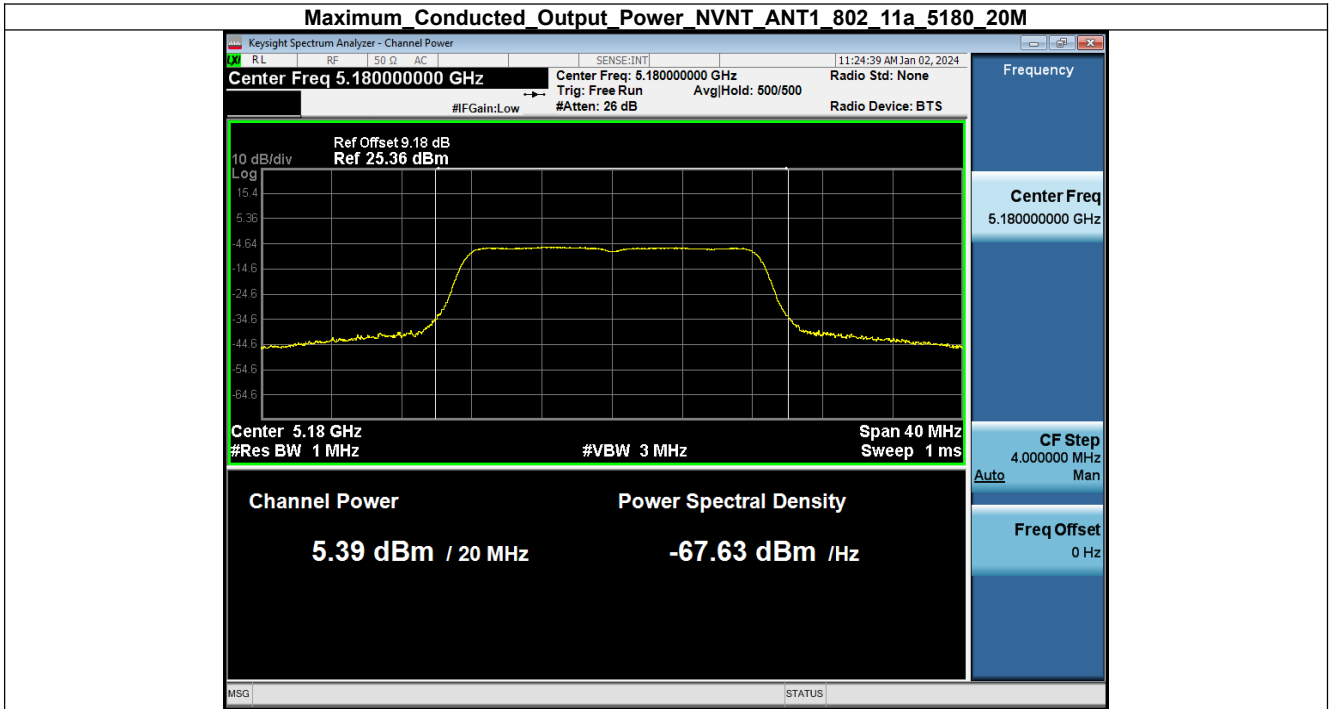


Duty Cycle NVNT\_ANT1\_802\_11n(HT40)\_5230

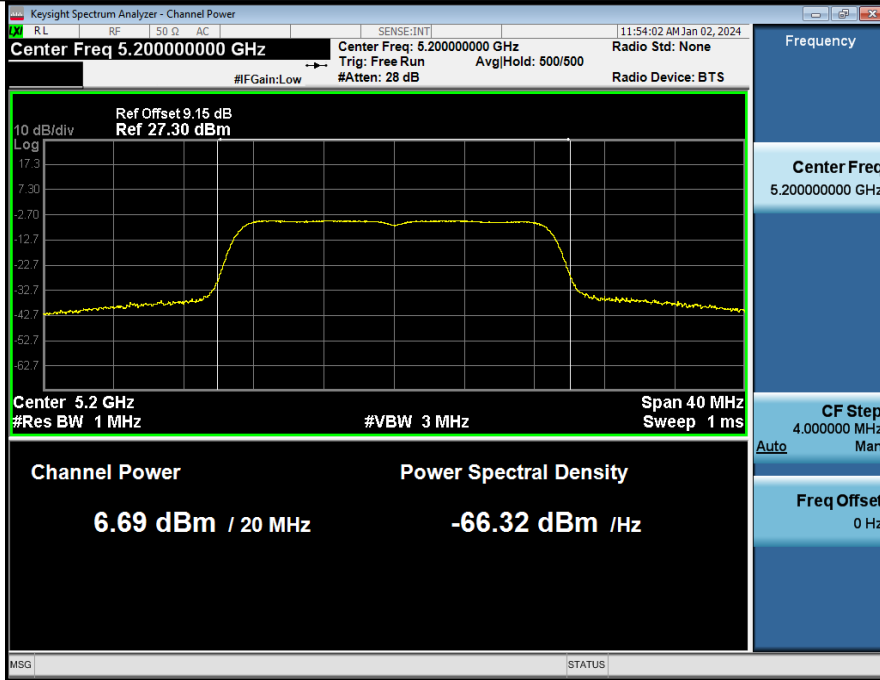


### 3. Maximum Conducted Output Power

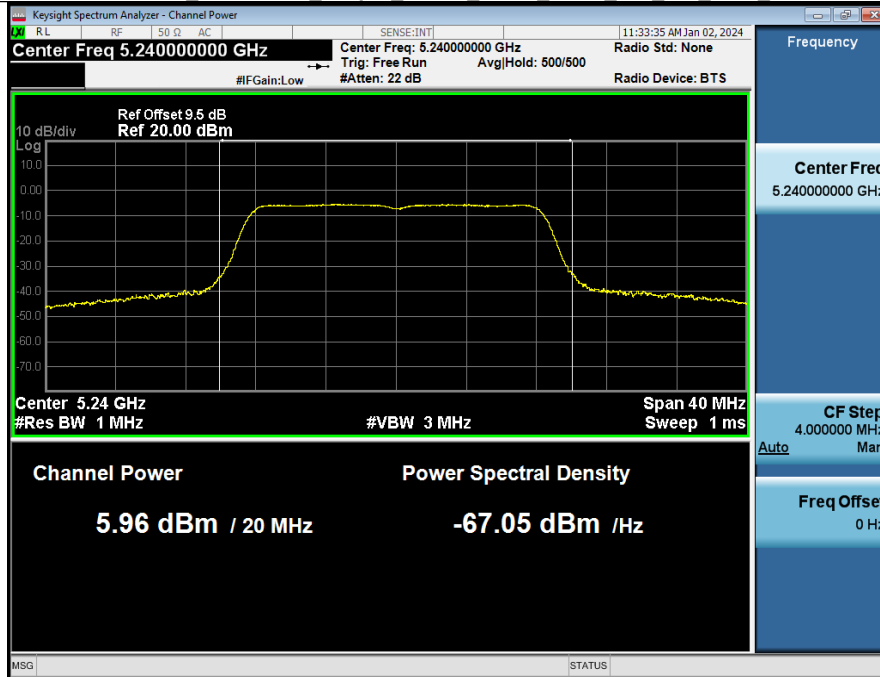
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5.39	0.47	5.86	24	Pass
NVNT	ANT1	802.11a	5200.00	6.69	0.55	7.24	24	Pass
NVNT	ANT1	802.11a	5240.00	5.96	0.47	6.43	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	6.11	0.55	6.66	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	6.27	0.55	6.82	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	6.81	0.49	7.30	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5.52	1.06	6.58	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5.85	1.06	6.91	24	Pass



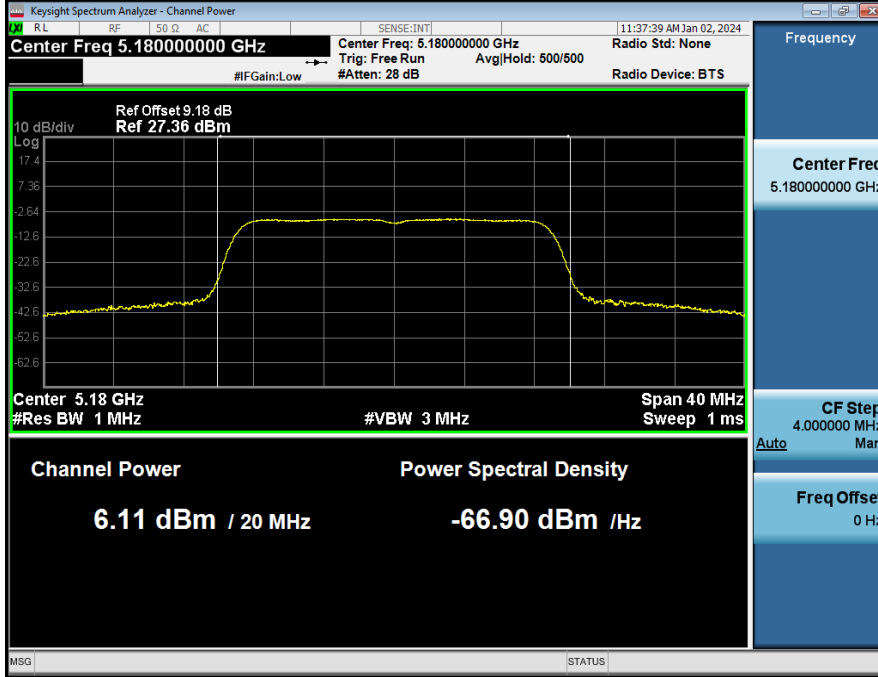
Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11a\_5200\_20M



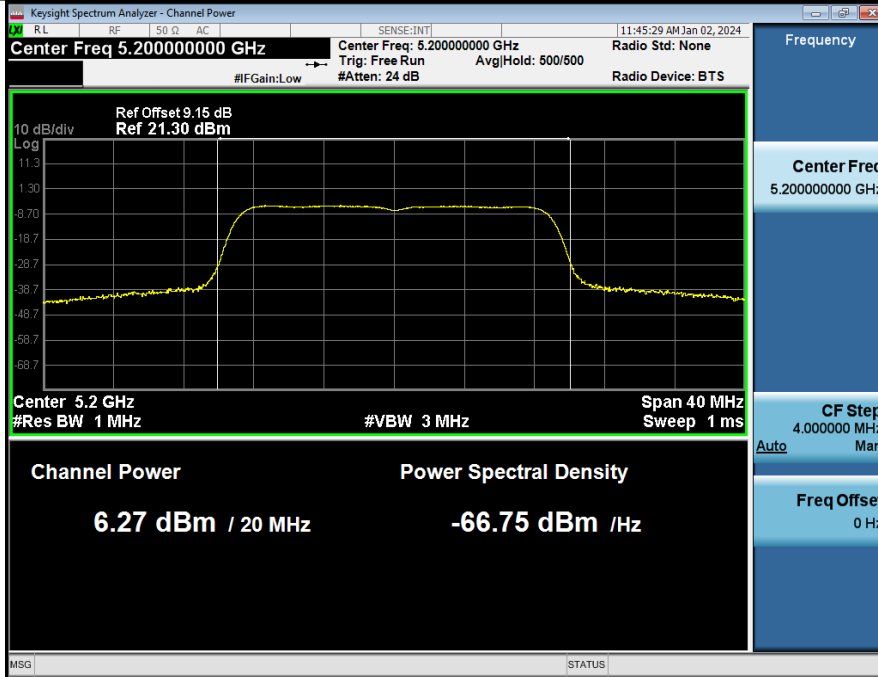
Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11a\_5240\_20M



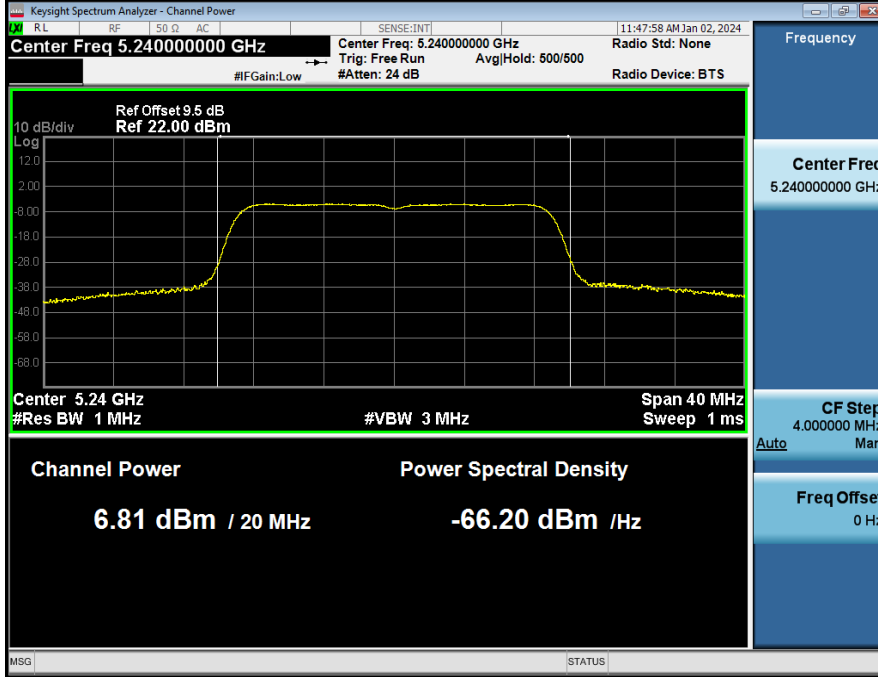
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20)\_5180\_20M



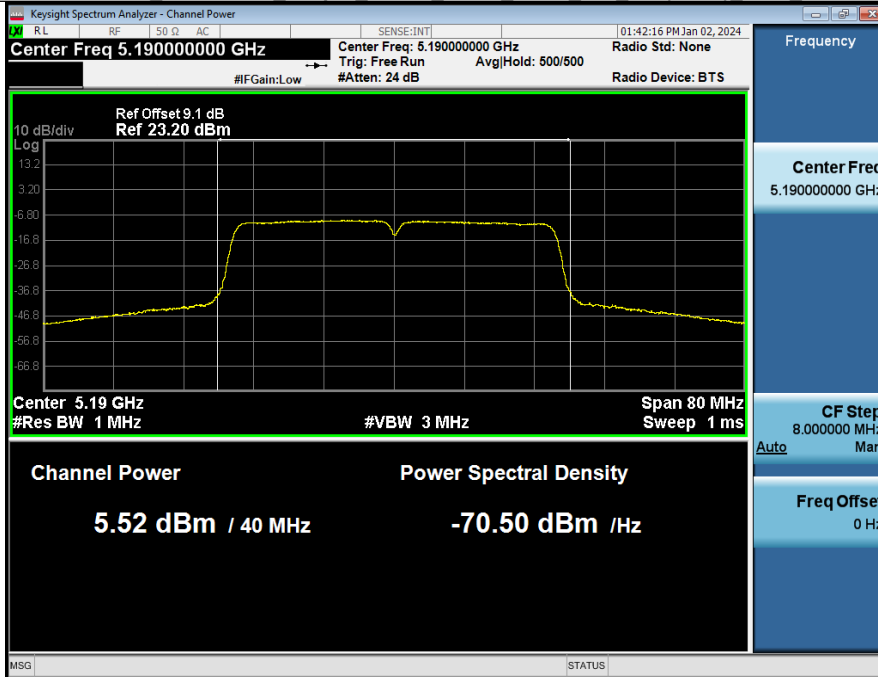
Maximum Conducted Output Power NVNT\_ANT1\_802\_11n(HT20)\_5200\_20M



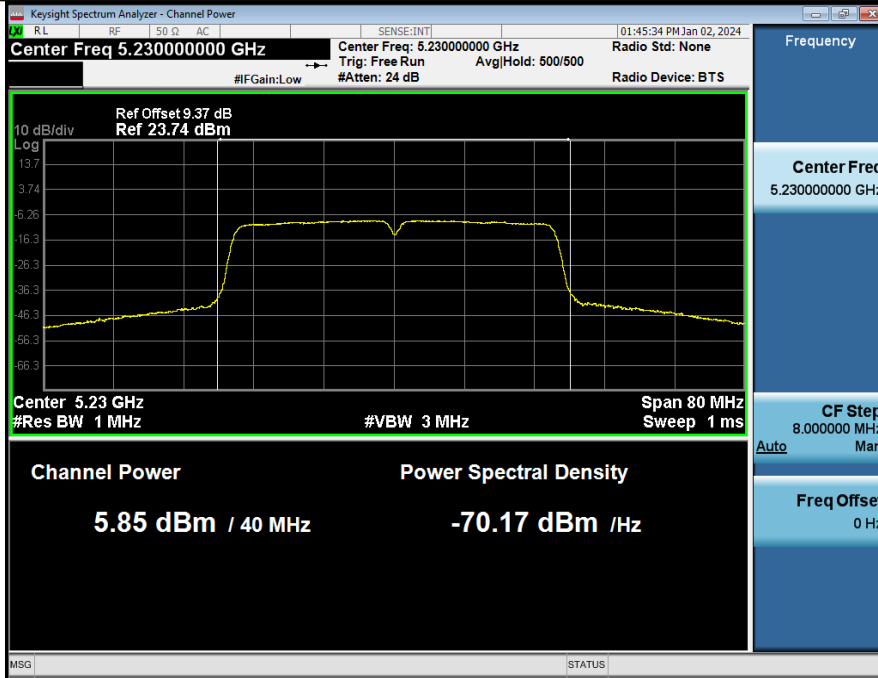
Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11n(HT20)\_5240\_20M



Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11n(HT40)\_5190\_40M



Maximum Conducted Output Power\_NVNT\_ANT1\_802\_11n(HT40)\_5230\_40M



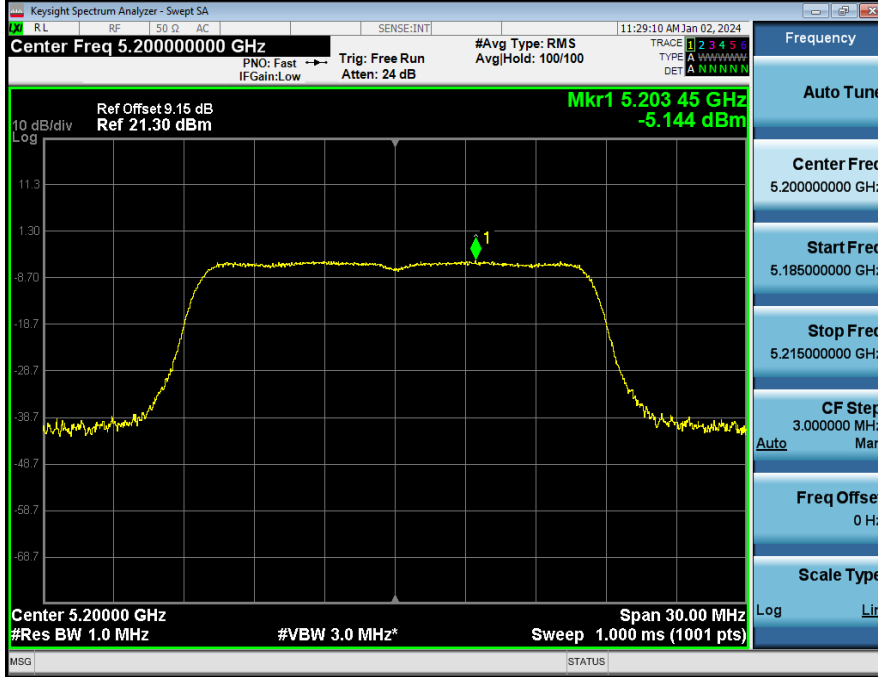


### 4. Power Spectral Density

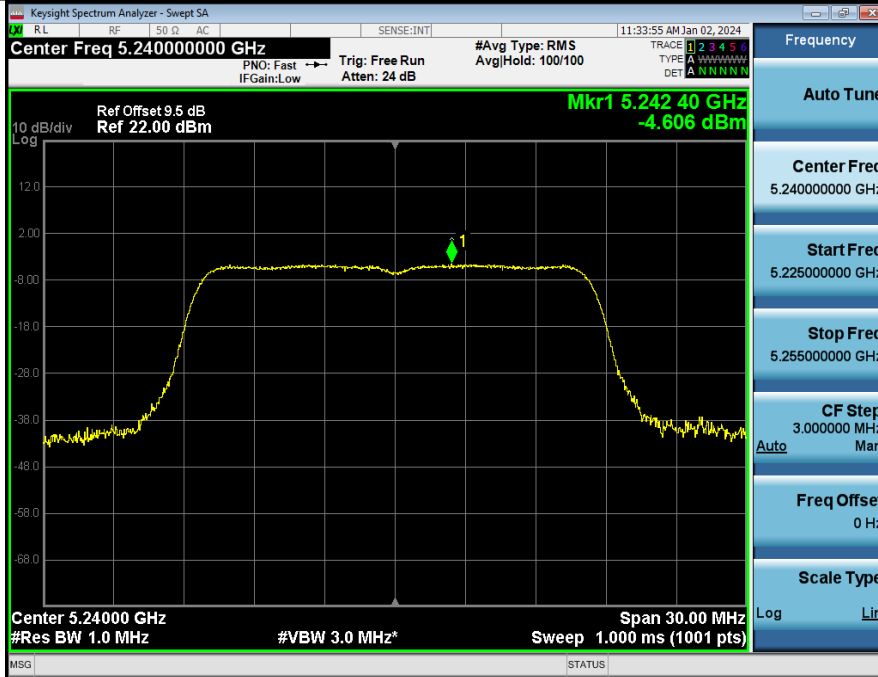
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-5.72	0.47	-5.25	11	Pass
NVNT	ANT1	802.11a	5200.00	-5.14	0.47	-4.67	11	Pass
NVNT	ANT1	802.11a	5240.00	-4.61	0.47	-4.14	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-5.48	0.55	-4.93	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-5.13	0.55	-4.58	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-5.09	0.49	-4.60	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-8.65	1.06	-7.59	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-8.77	1.06	-7.71	11	Pass



Power Spectral Density NVNT\_ANT1\_802\_11a\_5200



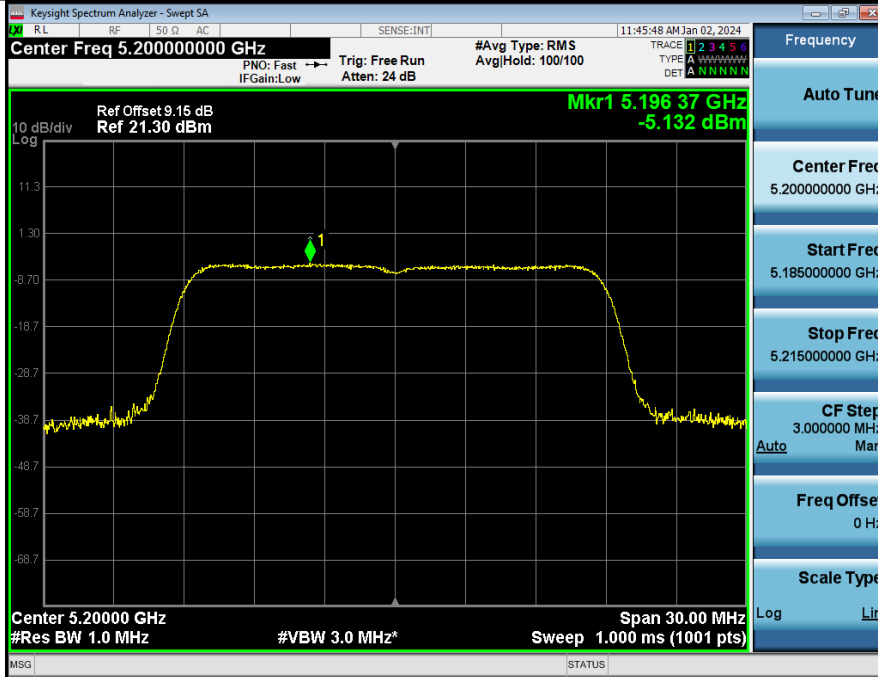
Power Spectral Density NVNT\_ANT1\_802\_11a\_5240



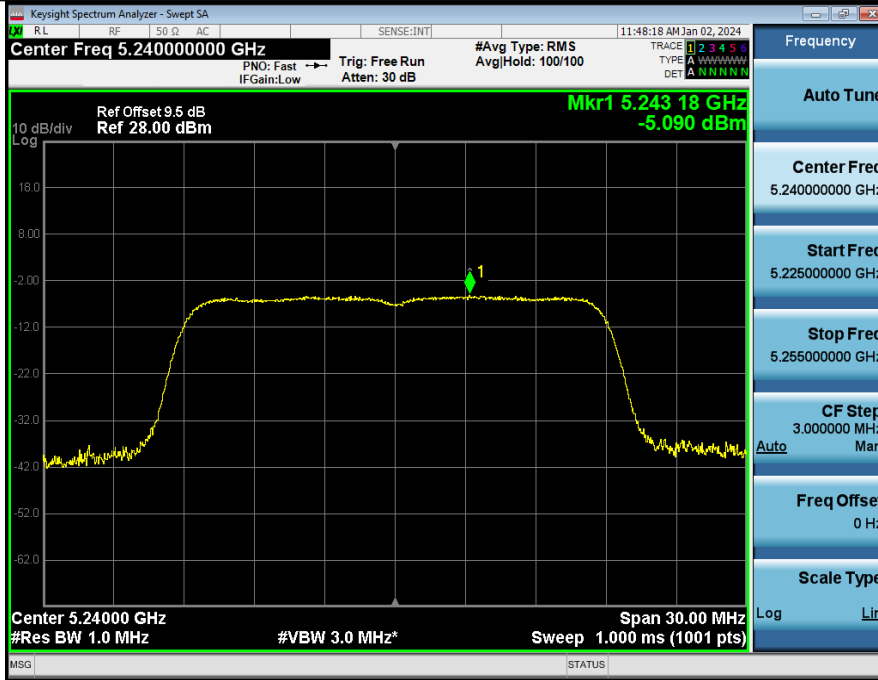
Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5180



Power Spectral Density NVNT\_ANT1\_802\_11n(HT20)\_5200



Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT20)\_5240



Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT40)\_5190



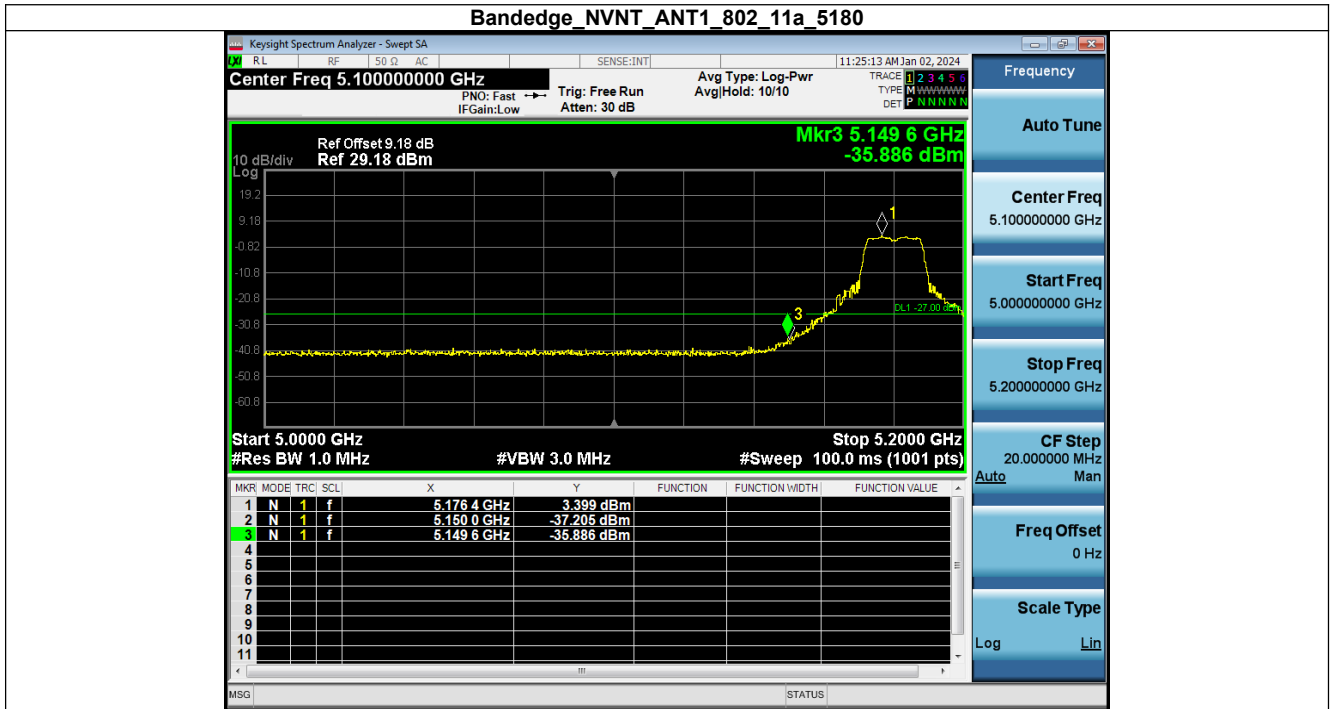
Power Spectral Density\_NVNT\_ANT1\_802\_11n(HT40)\_5230



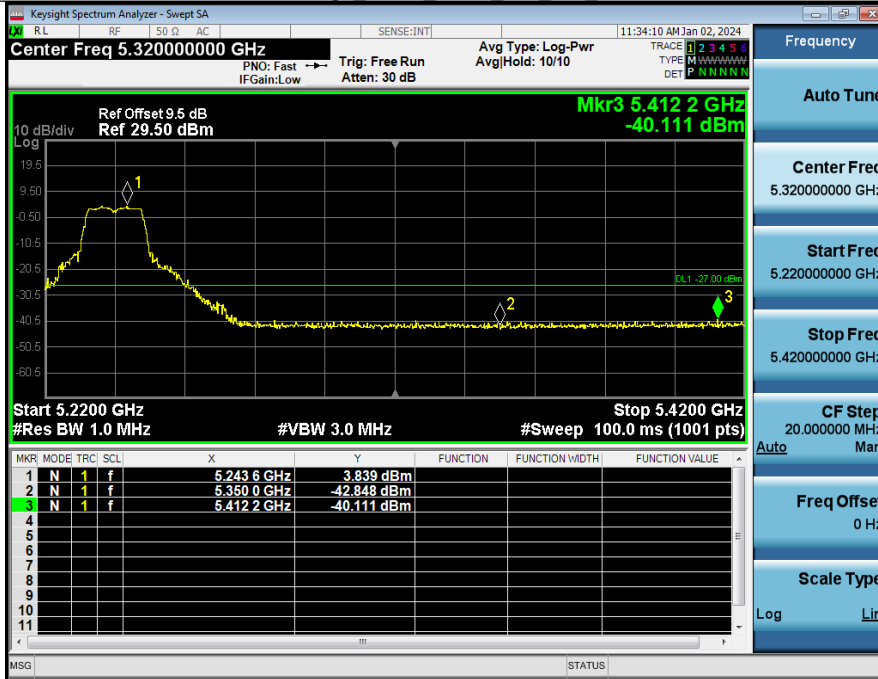
## 5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5149.60	-35.89	-27	Pass
NVNT	ANT1	802.11a	5240.00	5412.20	-40.11	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5149.00	-33.05	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5358.80	-40.69	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5149.10	-34.55	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5393.54	-40.74	-27	Pass

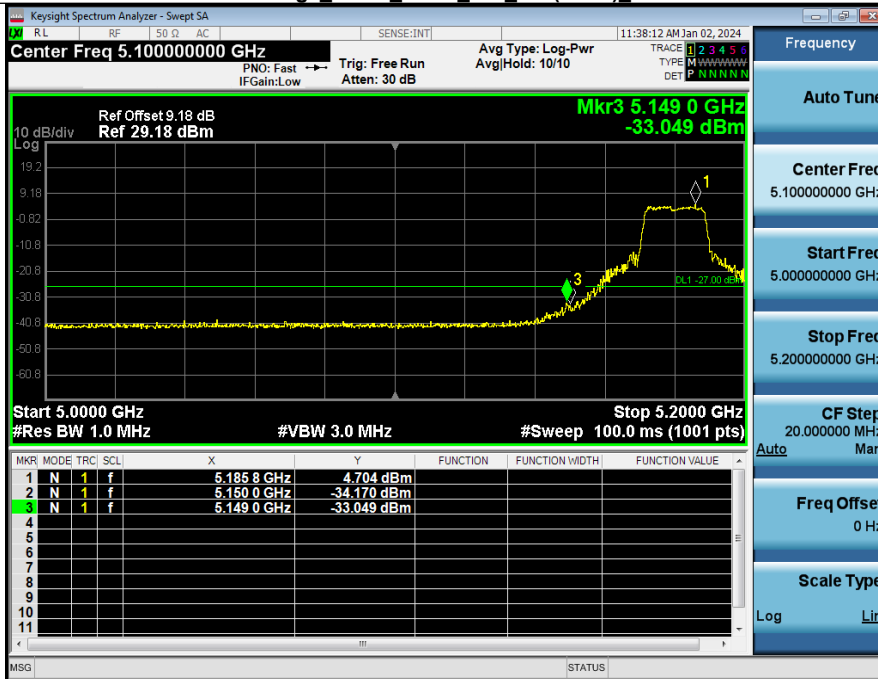
Note: The test diagram has integrated antenna gain to Offset Settings.



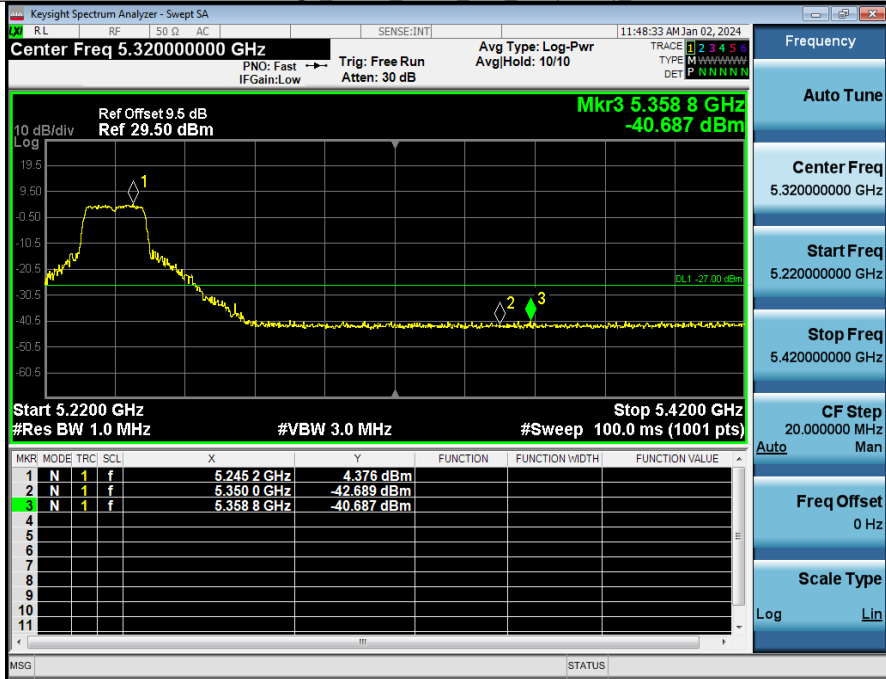
Bandedge\_NVNT\_ANT1\_802\_11a\_5240



Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5180



Bandedge\_NVNT\_ANT1\_802\_11n(HT20)\_5240

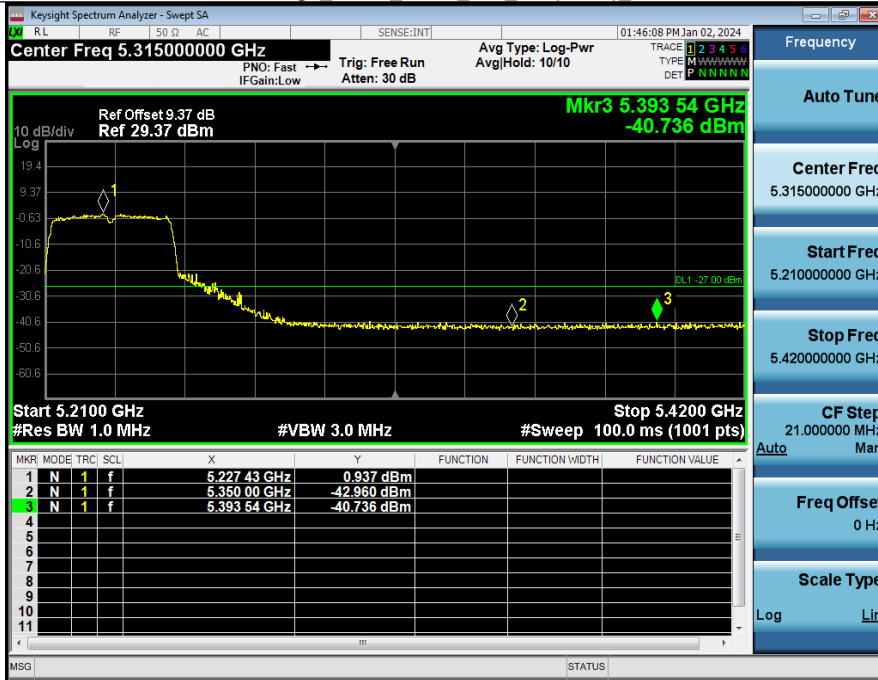


Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5190



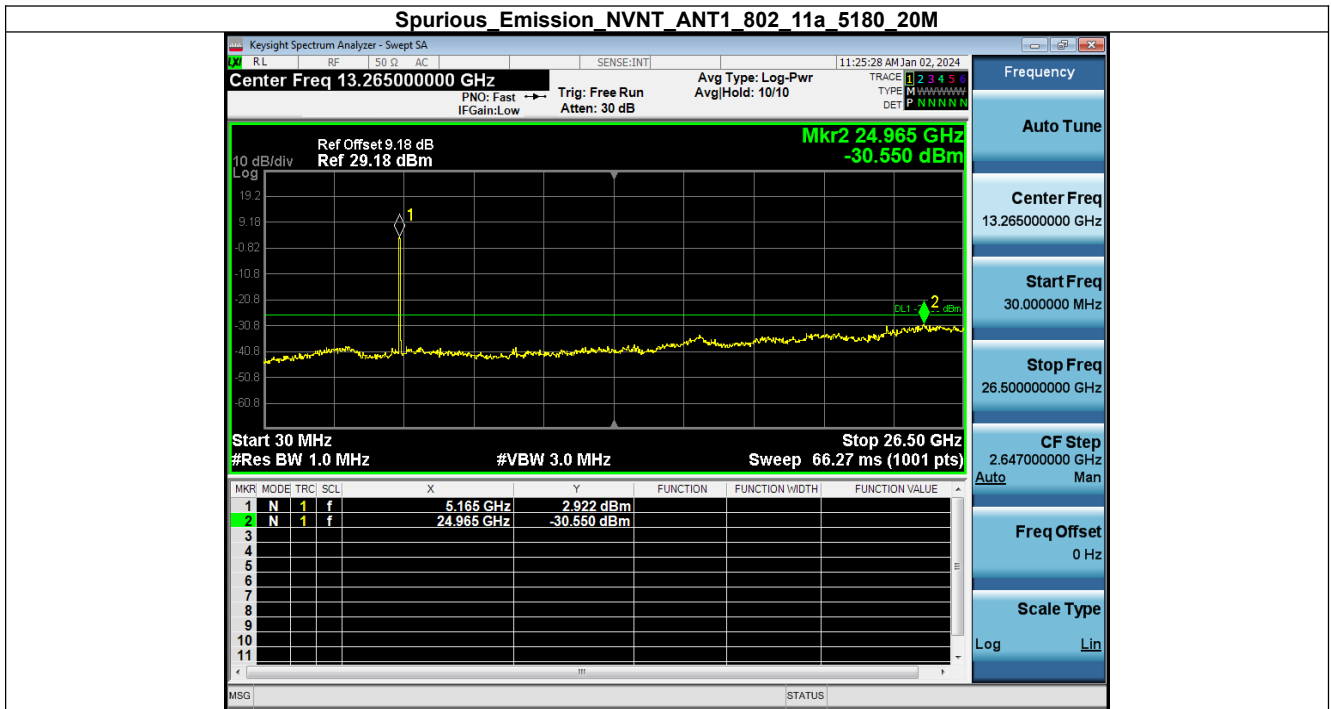


Bandedge\_NVNT\_ANT1\_802\_11n(HT40)\_5230

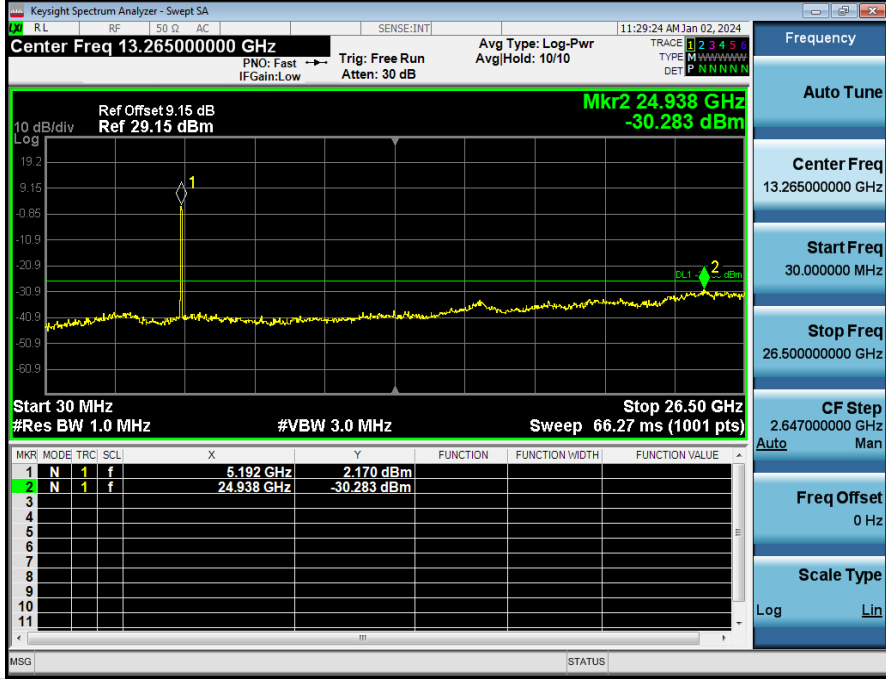


## 6. Spurious Emission

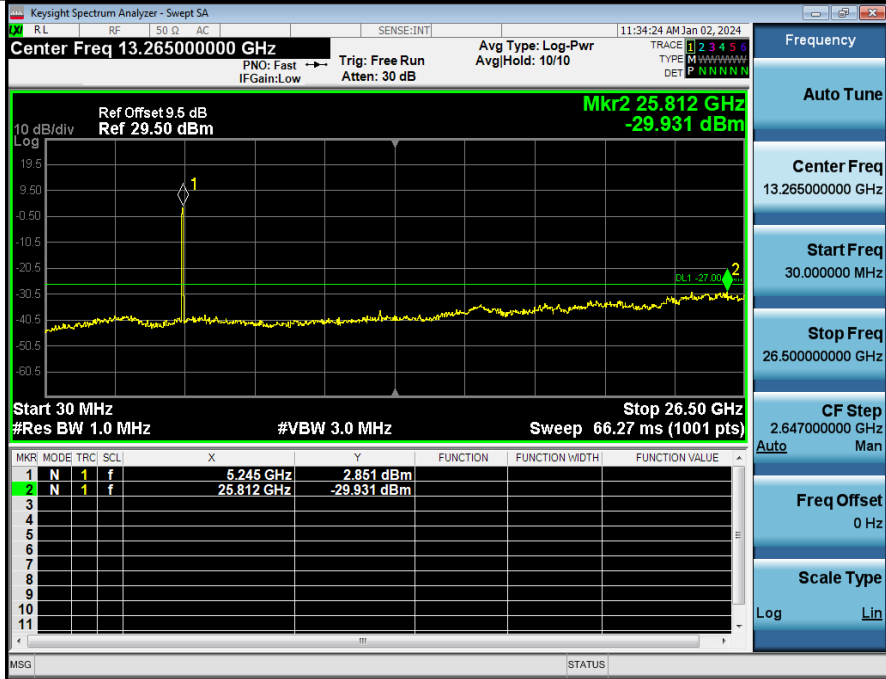
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	24964.74	-30.55	-27	Pass
NVNT	ANT1	802.11a	5200.00	24938.27	-30.28	-27	Pass
NVNT	ANT1	802.11a	5240.00	25811.78	-29.93	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	26473.53	-30.29	-27	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	25070.62	-29.76	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	25520.61	-29.45	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	24991.21	-29.61	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	25044.15	-30.29	-27	Pass



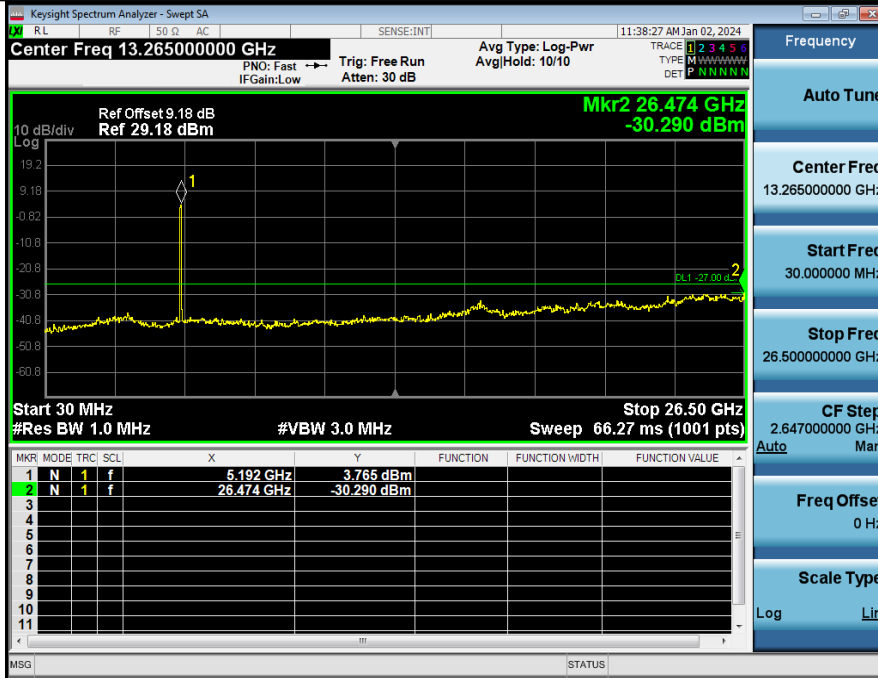
Spurious Emission NVNT ANT1 802\_11a\_5200\_20M



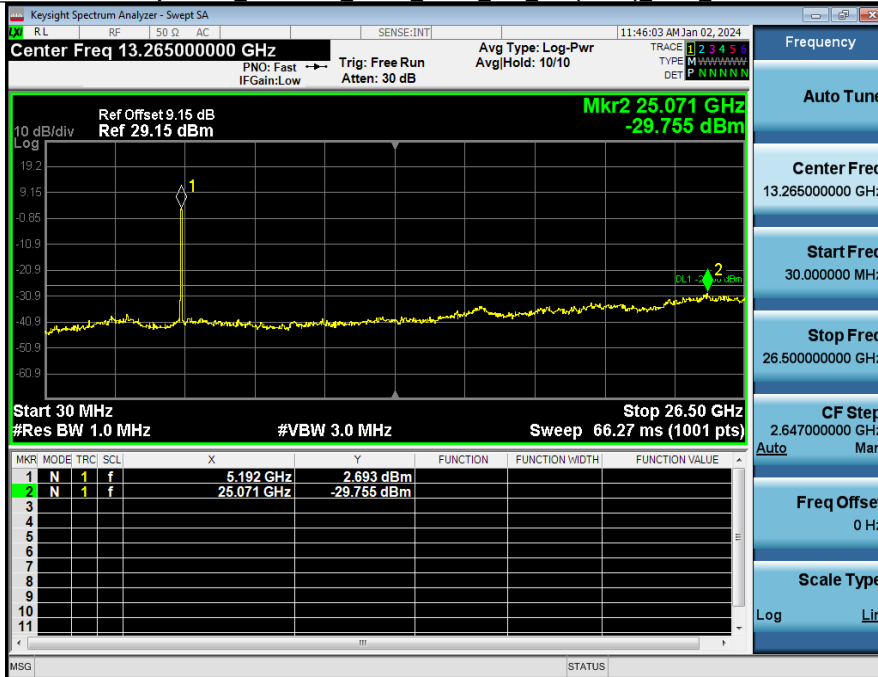
Spurious Emission NVNT ANT1 802\_11a\_5240\_20M



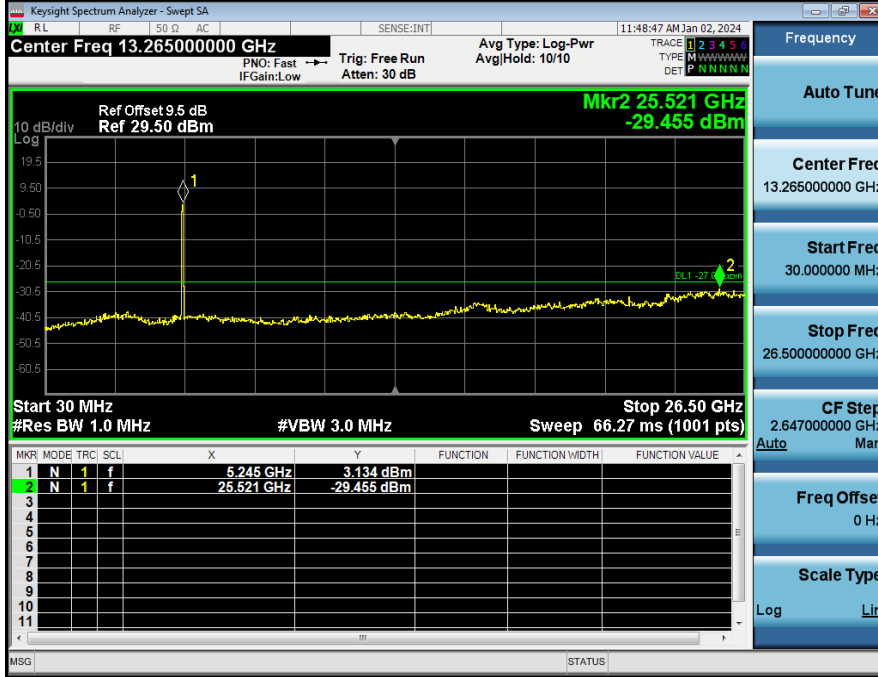
Spurious Emission NVNT\_ANT1\_802\_11n(HT20)\_5180\_20M



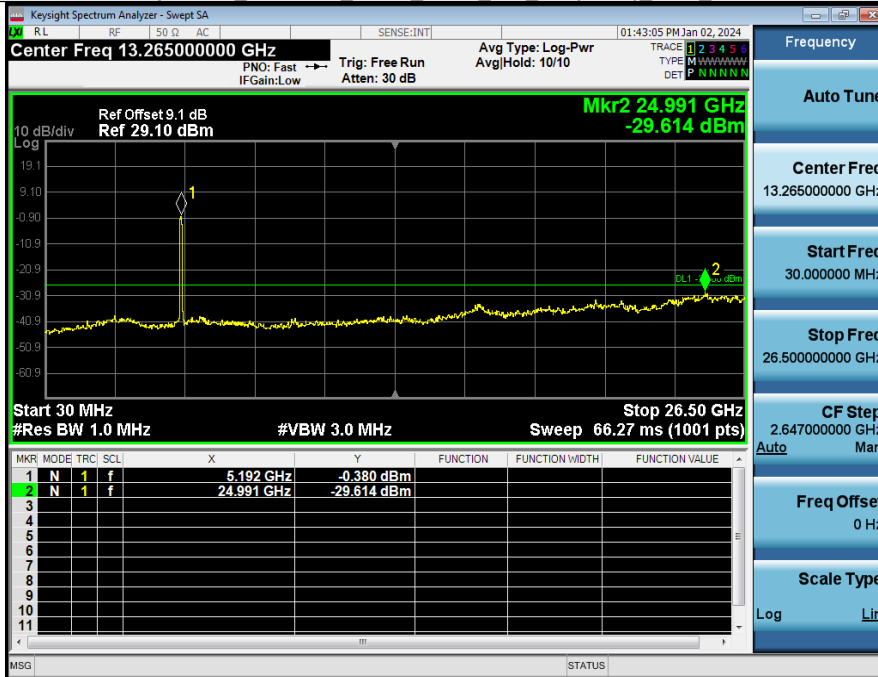
Spurious Emission NVNT\_ANT1\_802\_11n(HT20)\_5200\_20M



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

