

Appendix--5.6G

HT260106014-PD1317-FCC-5.6GWIFI

FCC_5.6G_WIFI (Part15.407) Test Data

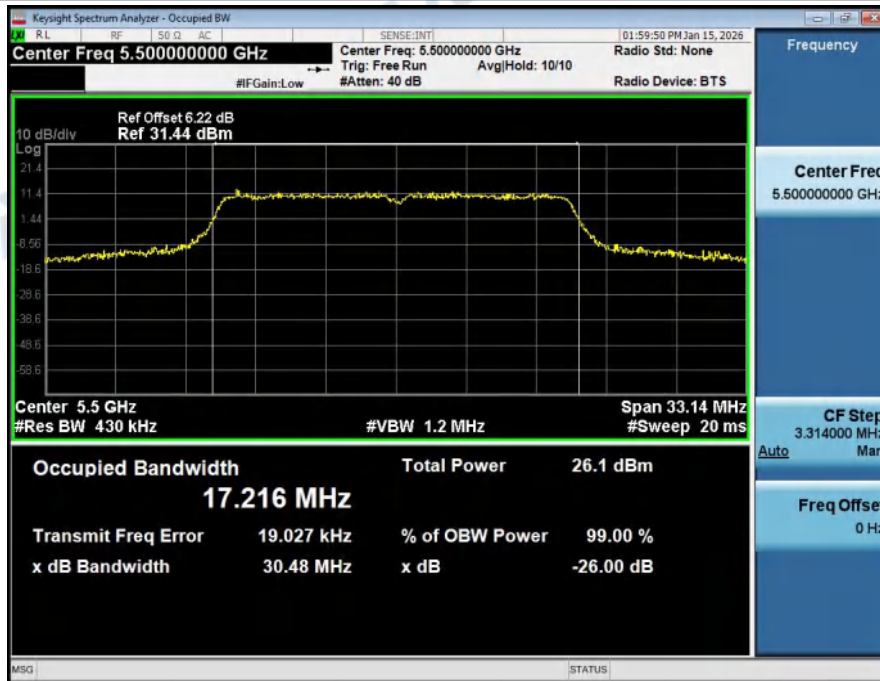
1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5500.00	30.48	16.62
NVNT	ANT1	802.11a	5580.00	20.05	16.49
NVNT	ANT1	802.11a	5700.00	32.67	16.67
NVNT	ANT1	802.11n(HT20)	5500.00	32.98	17.70
NVNT	ANT1	802.11n(HT20)	5580.00	33.43	17.70
NVNT	ANT1	802.11n(HT20)	5700.00	34.49	17.73
NVNT	ANT1	802.11ac(VHT20)	5500.00	34.65	17.67
NVNT	ANT1	802.11ac(VHT20)	5580.00	33.91	17.69
NVNT	ANT1	802.11ac(VHT20)	5700.00	34.24	17.72
NVNT	ANT1	802.11n(HT40)	5510.00	67.69	36.25
NVNT	ANT1	802.11n(HT40)	5590.00	57.17	36.22
NVNT	ANT1	802.11n(HT40)	5670.00	61.62	36.26
NVNT	ANT1	802.11ac(VHT40)	5510.00	62.32	36.21
NVNT	ANT1	802.11ac(VHT40)	5590.00	57.40	36.20
NVNT	ANT1	802.11ac(VHT40)	5670.00	63.99	36.25
NVNT	ANT1	802.11ac(VHT80)	5530.00	101.49	75.77
NVNT	ANT1	802.11ac(VHT80)	5610.00	105.65	75.66

99%_OCB_NVNT_ANT1_802_11a_5500



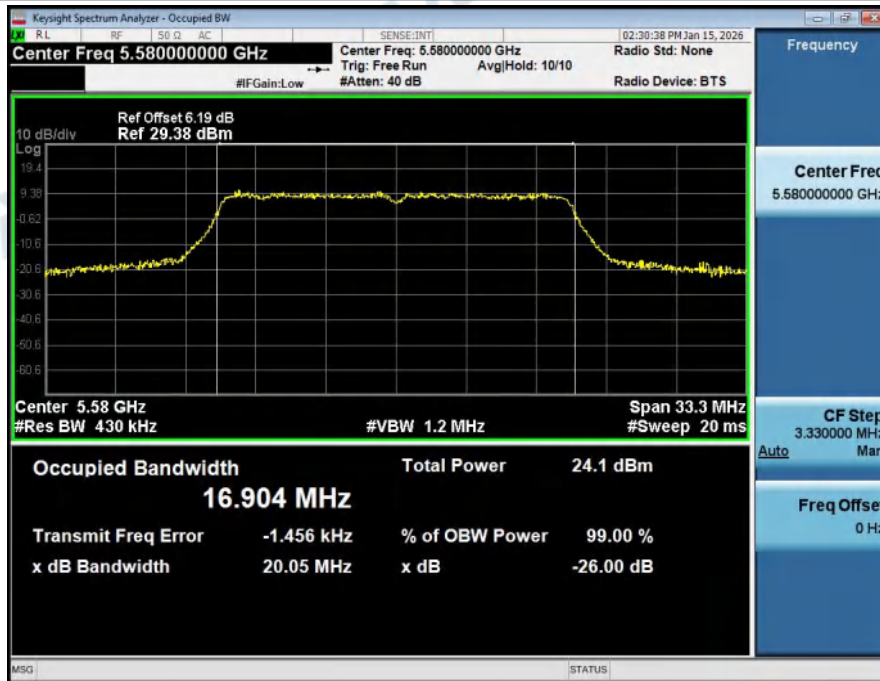
-26BW_NVNT_ANT1_802_11a_5500



99%_OCB_NVNT_ANT1_802_11a_5580



-26BW_NVNT_ANT1_802_11a_5580



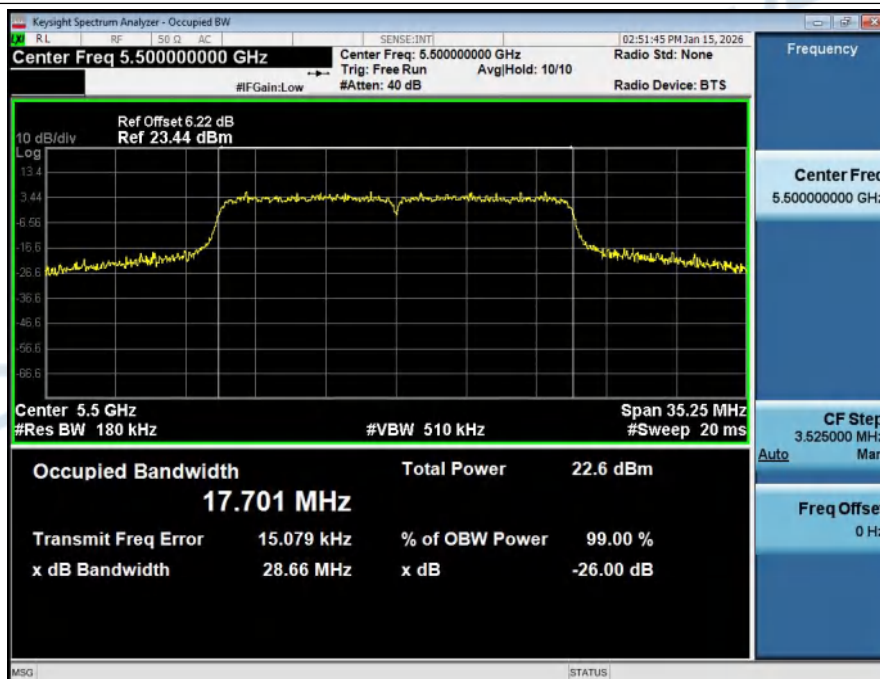
99%_OCB_NVNT_ANT1_802_11a_5700



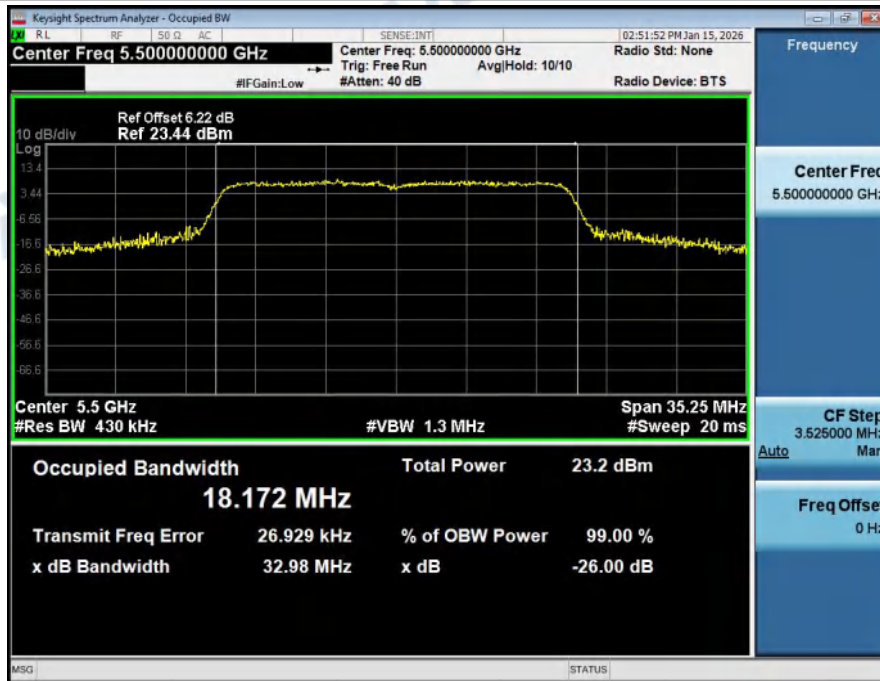
-26BW_NVNT_ANT1_802_11a_5700



99%_OCB_NVNT_ANT1_802_11n(HT20)_5500



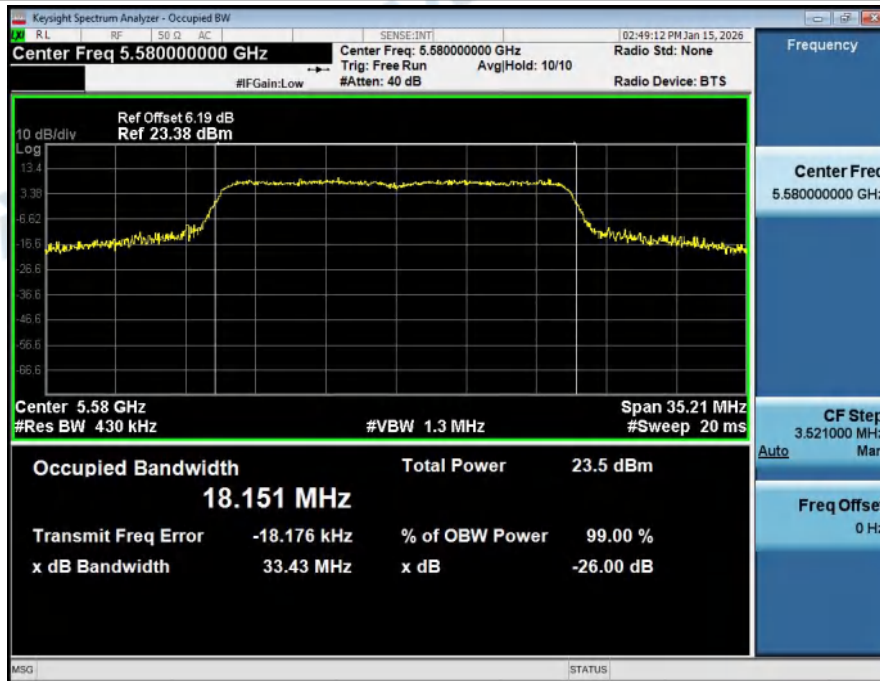
-26BW_NVNT_ANT1_802_11n(HT20)_5500



99%_OCB_NVNT_ANT1_802_11n(HT20)_5580



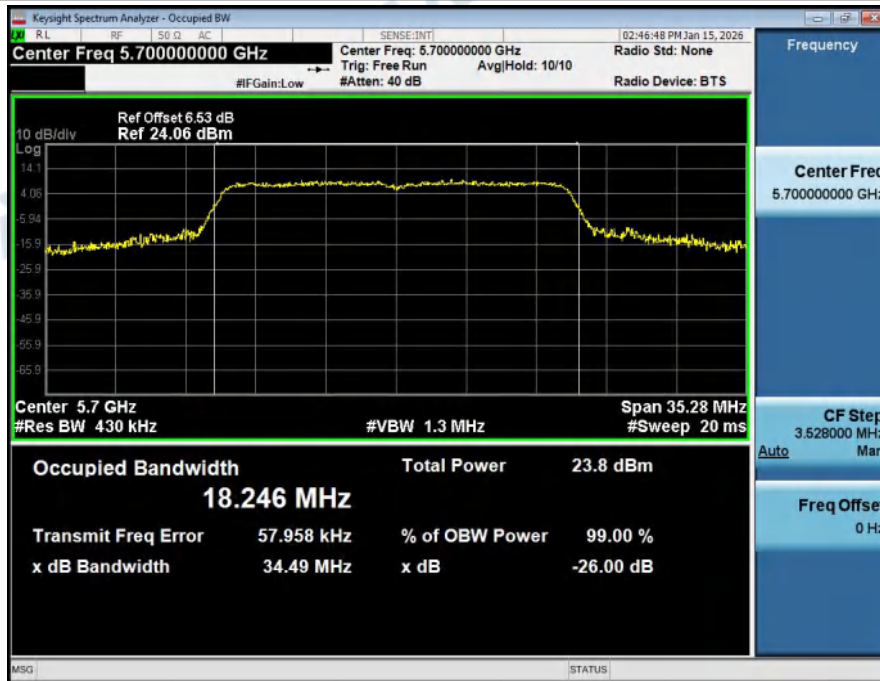
-26BW_NVNT_ANT1_802_11n(HT20)_5580



99%_OCB_NVNT_ANT1_802_11n(HT20)_5700



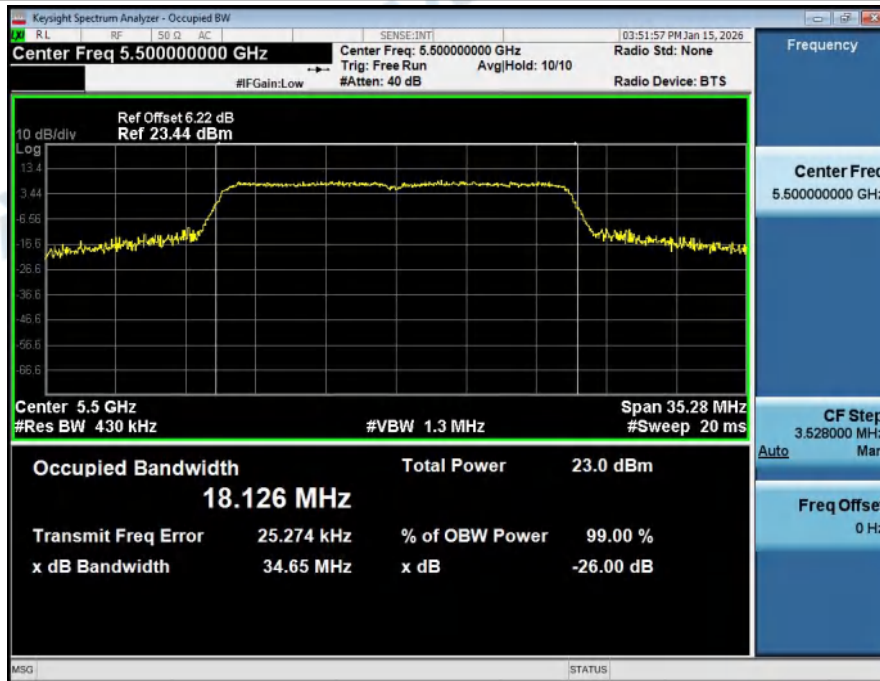
-26BW_NVNT_ANT1_802_11n(HT20)_5700



99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5500



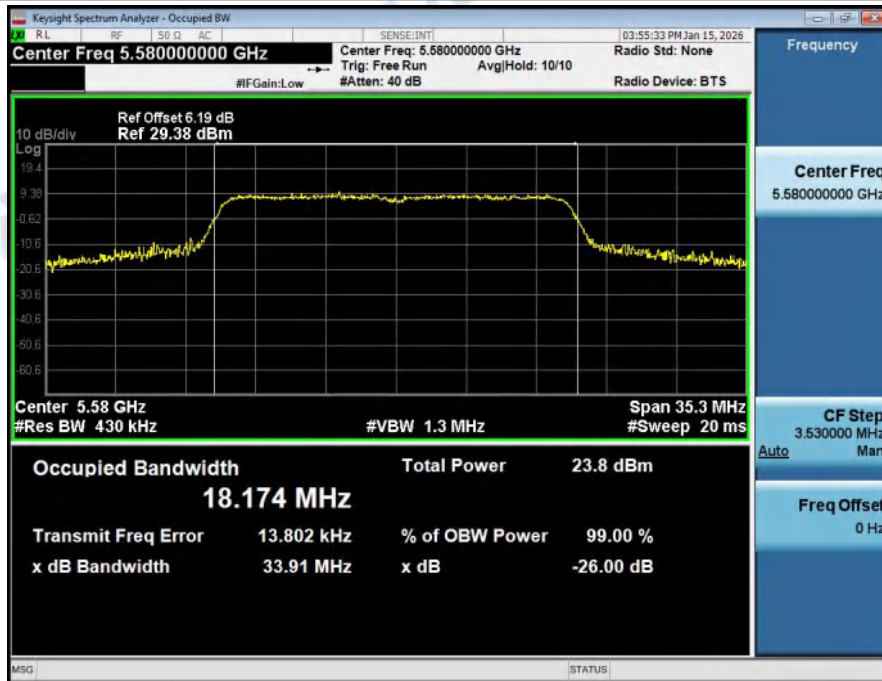
-26BW_NVNT_ANT1_802_11ac(VHT20)_5500



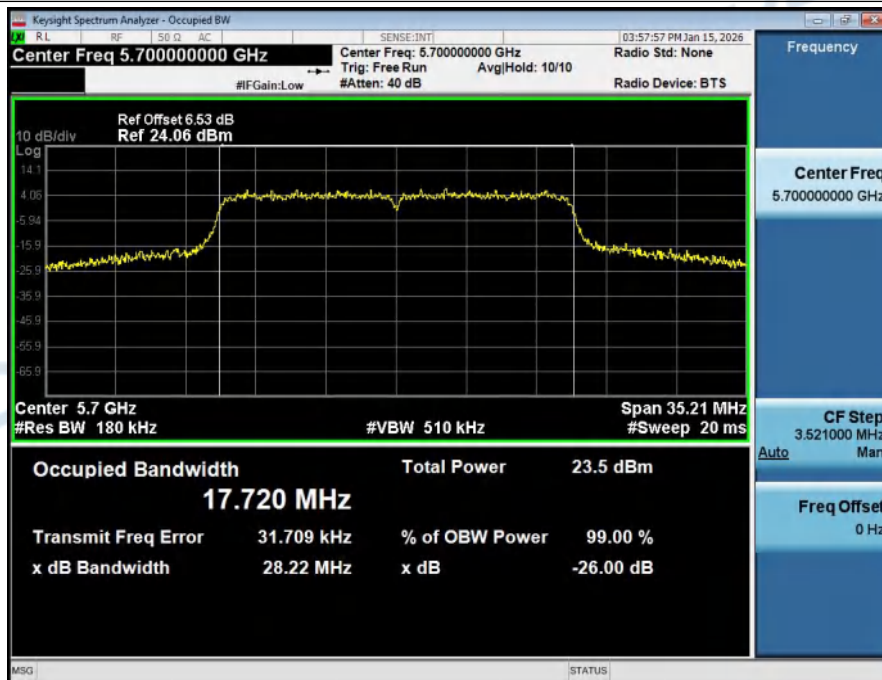
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5580



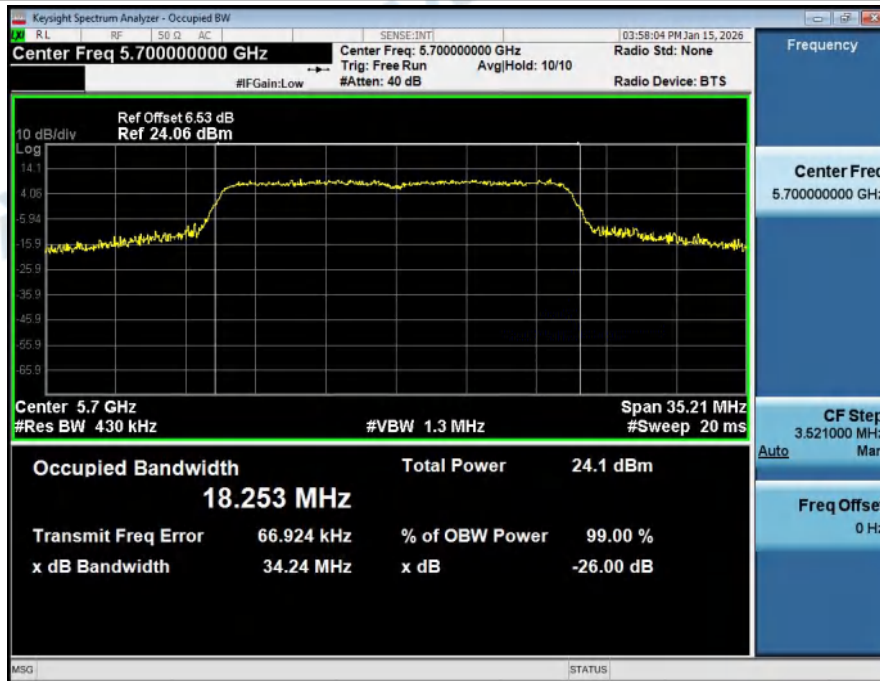
-26BW_NVNT_ANT1_802_11ac(VHT20)_5580



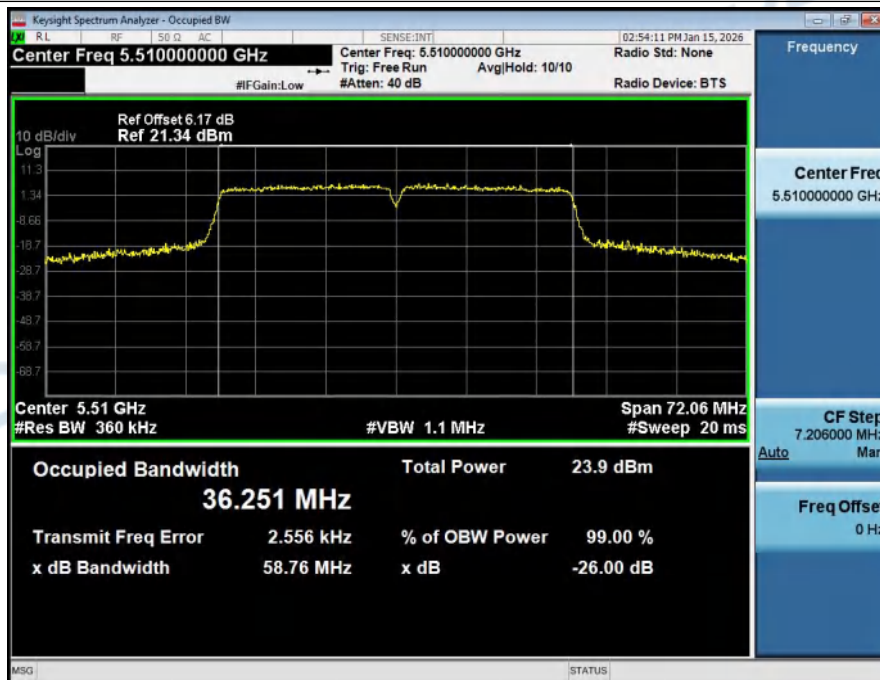
99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5700



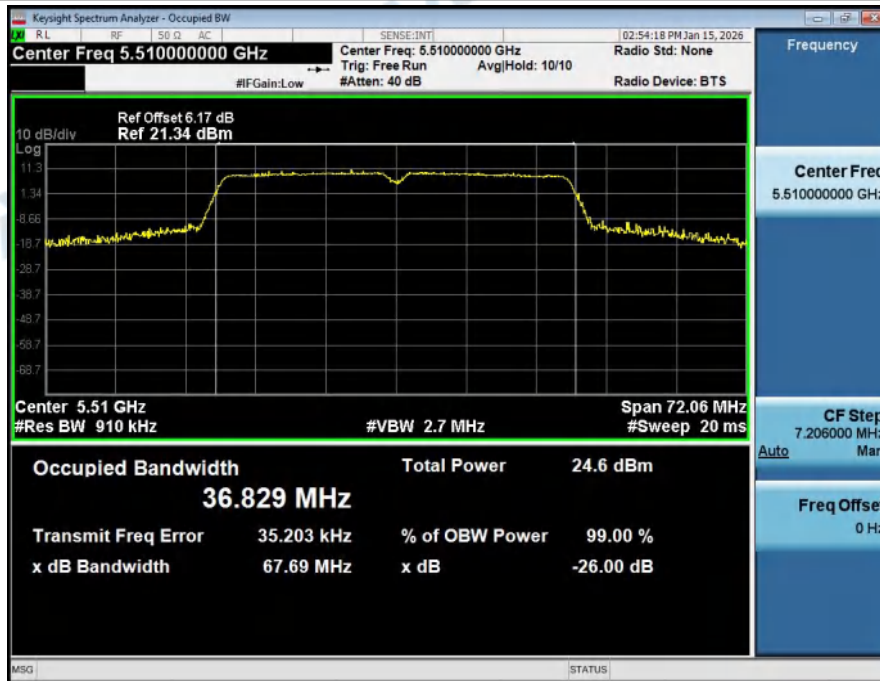
-26BW_NVNT_ANT1_802_11ac(VHT20)_5700



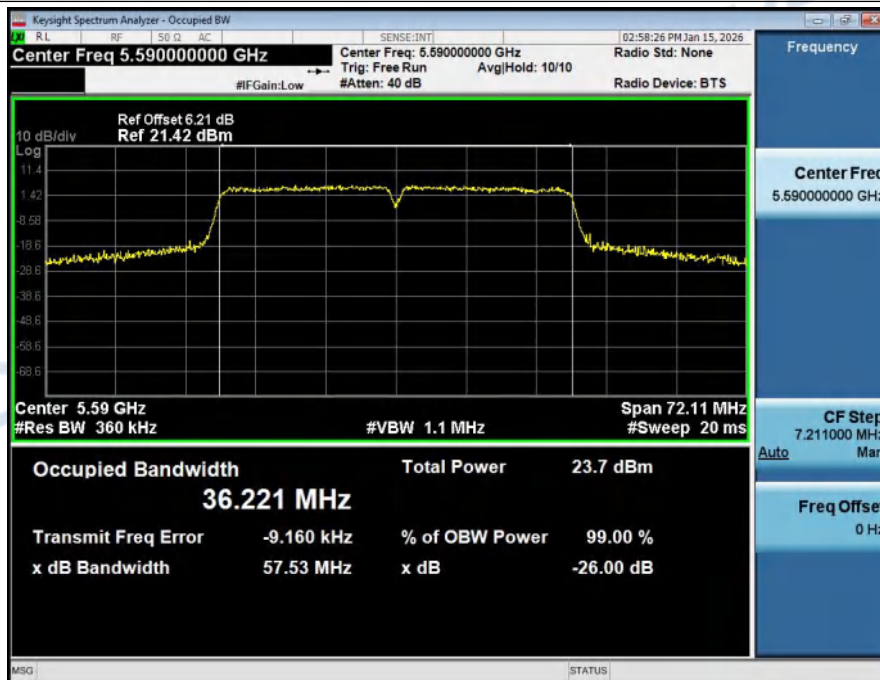
99%_OCB_NVNT_ANT1_802_11n(HT40)_5510



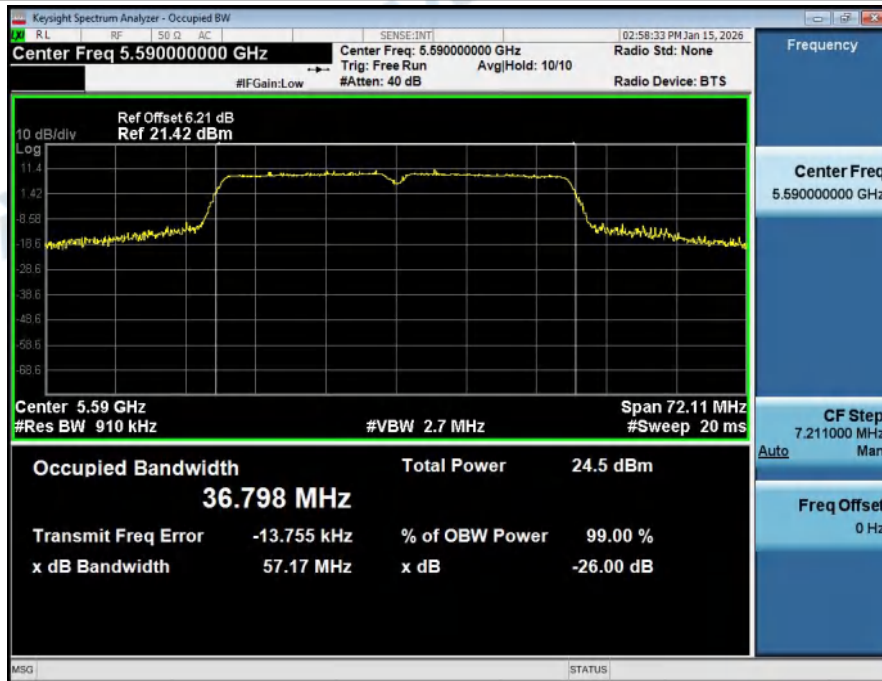
-26BW_NVNT_ANT1_802_11n(HT40)_5510



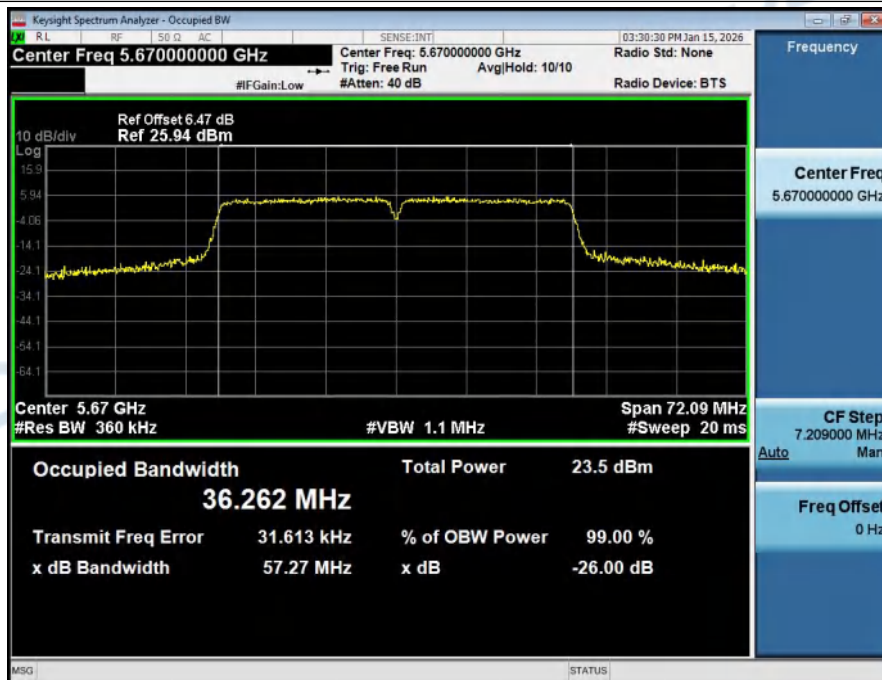
99%_OCB_NVNT_ANT1_802_11n(HT40)_5590



-26BW_NVNT_ANT1_802_11n(HT40)_5590



99%_OCB_NVNT_ANT1_802_11n(HT40)_5670



-26BW_NVNT_ANT1_802_11n(HT40)_5670



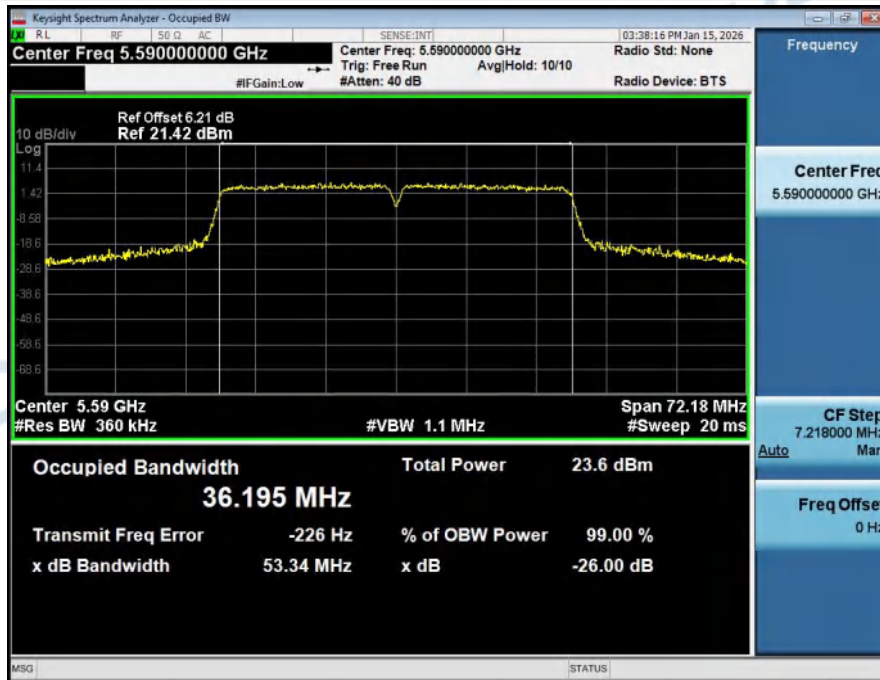
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5510



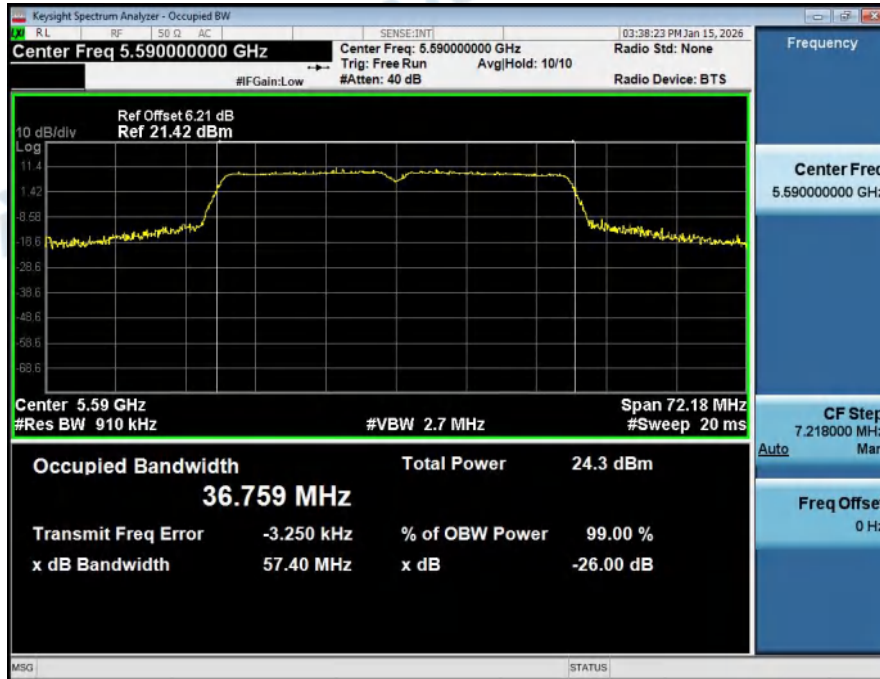
-26BW_NVNT_ANT1_802_11ac(VHT40)_5510



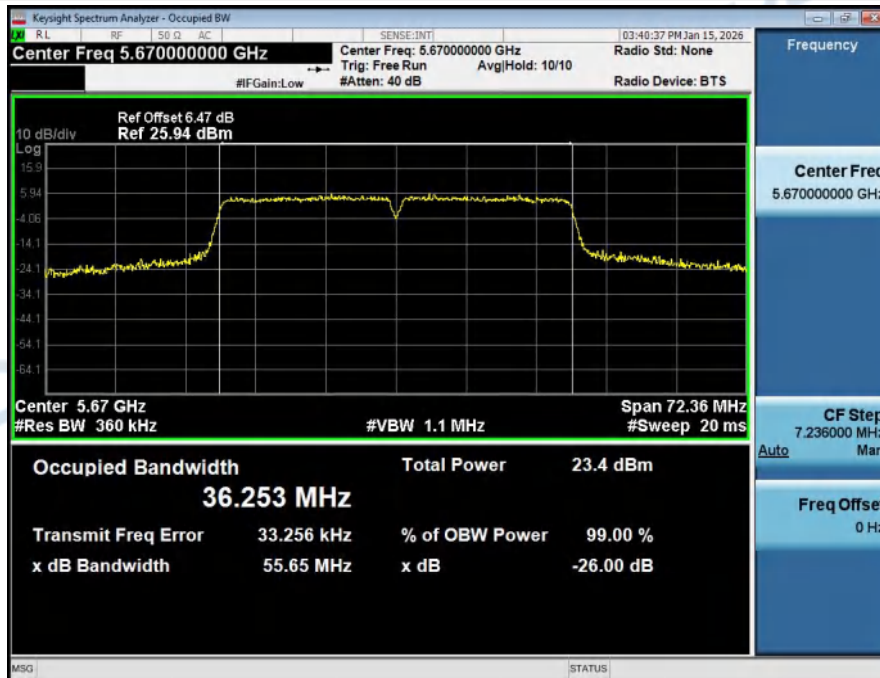
99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5590



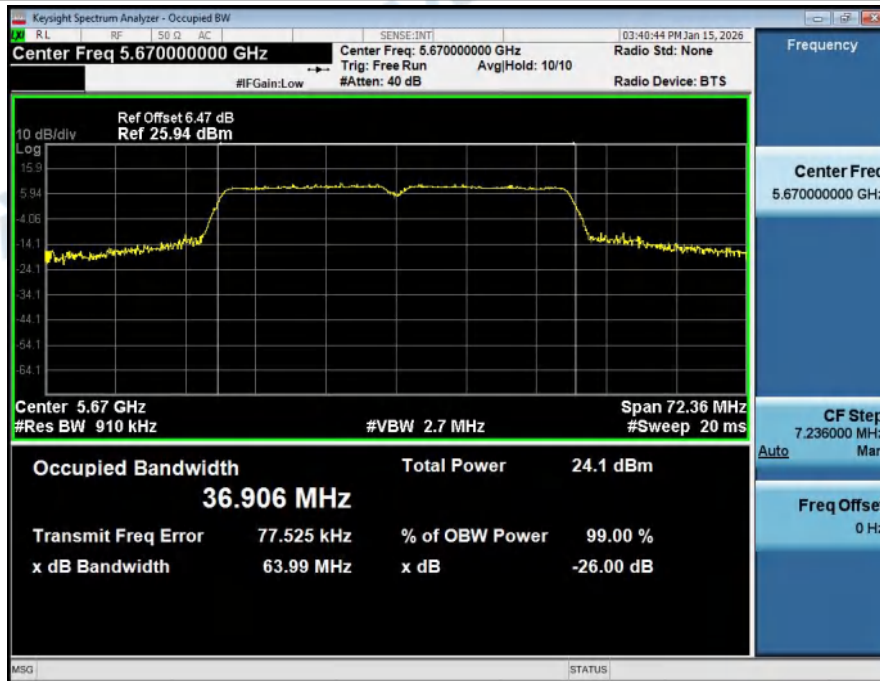
-26BW_NVNT_ANT1_802_11ac(VHT40)_5590



99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5670



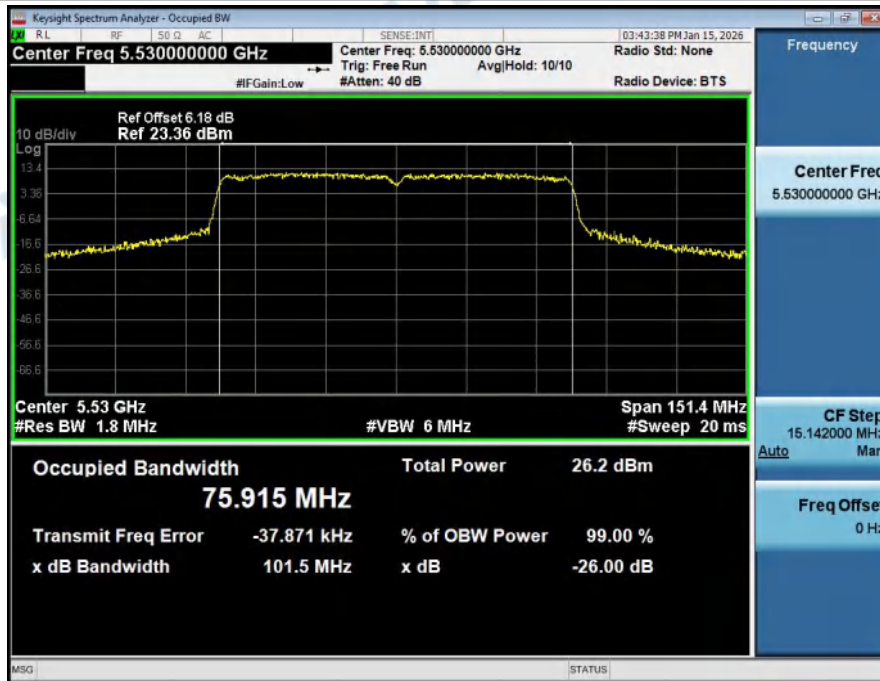
-26BW_NVNT_ANT1_802_11ac(VHT40)_5670



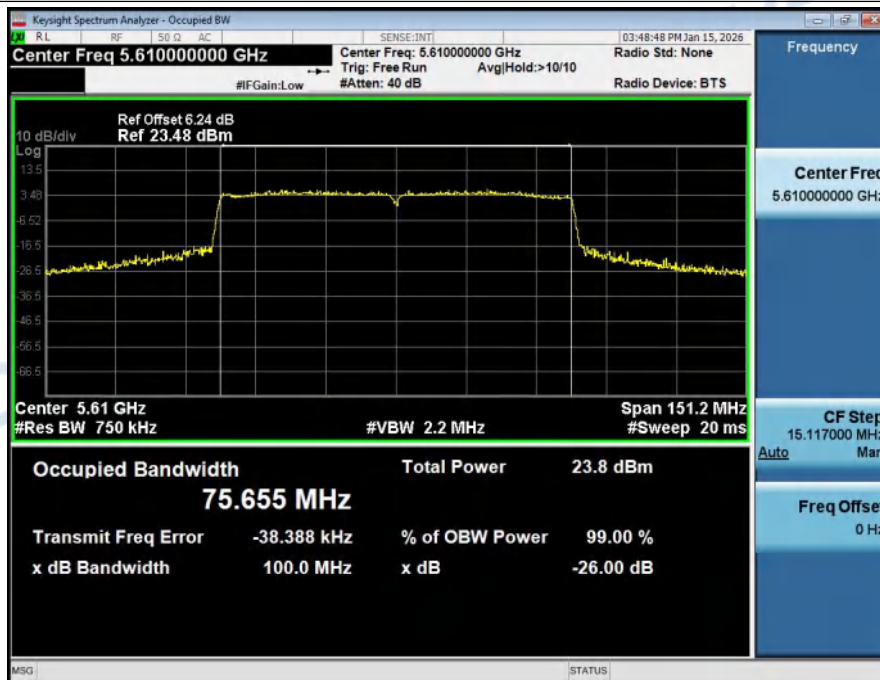
99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5530



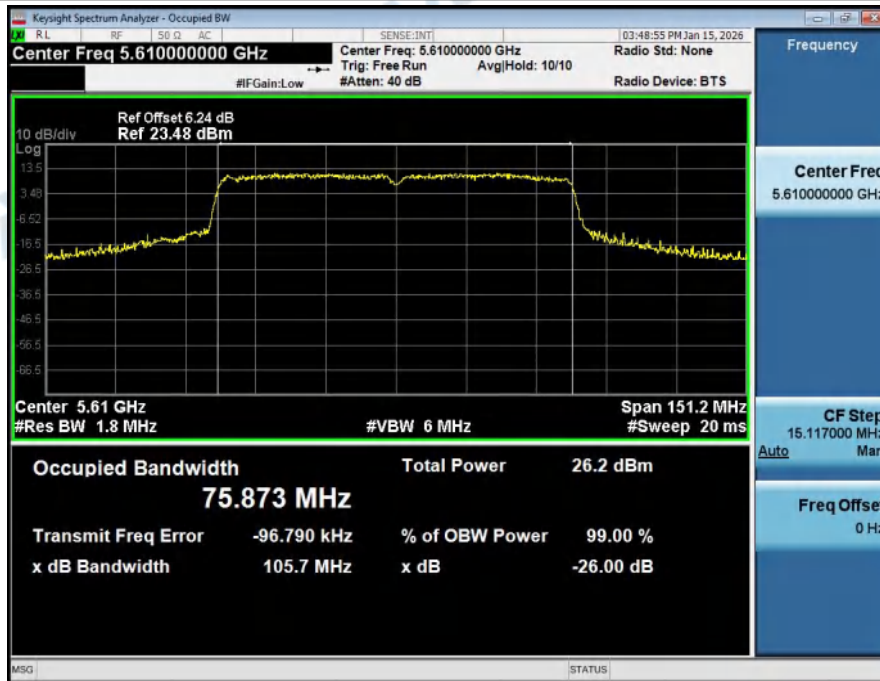
-26BW_NVNT_ANT1_802_11ac(VHT80)_5530



99%_OCB_NVNT_ANT1_802_11ac(VHT80)_5610



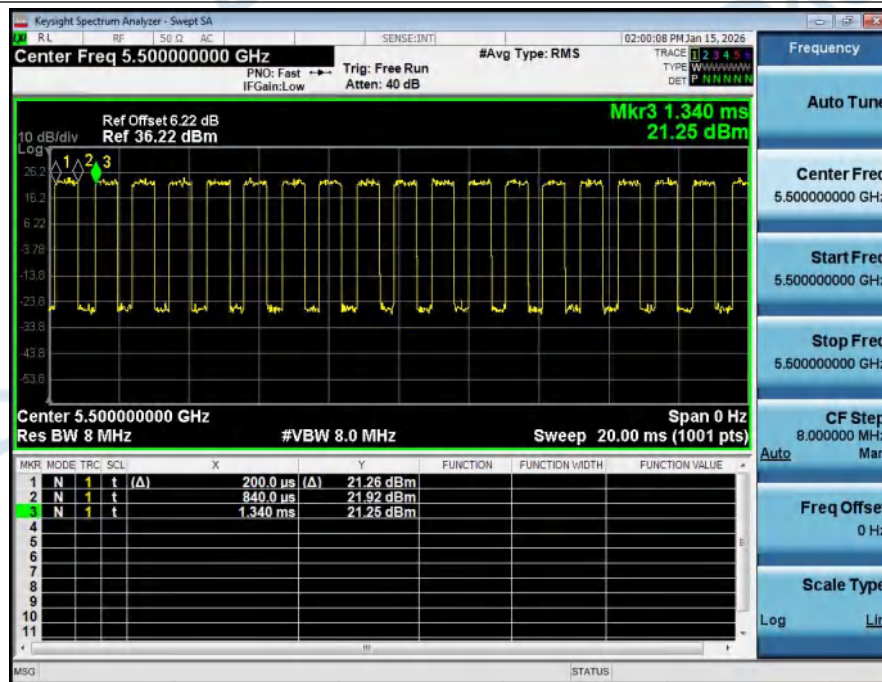
-26BW_NVNT_ANT1_802_11ac(VHT80)_5610



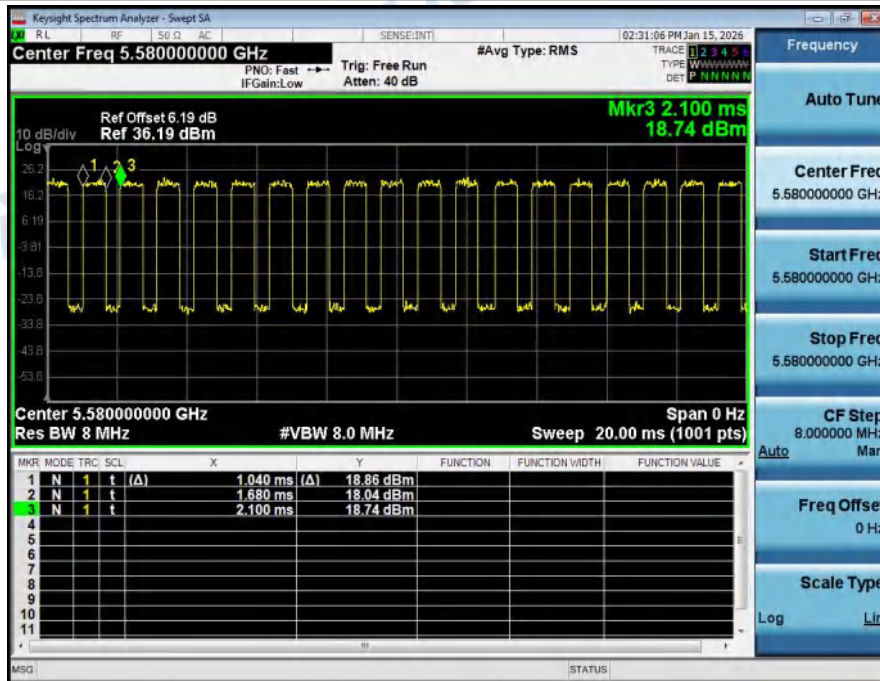
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5500.00	56.14	2.51
NVNT	ANT1	802.11a	5580.00	60.38	2.19
NVNT	ANT1	802.11a	5700.00	54.39	2.65
NVNT	ANT1	802.11n(HT20)	5500.00	92.03	0.36
NVNT	ANT1	802.11n(HT20)	5580.00	92.36	0.34
NVNT	ANT1	802.11n(HT20)	5700.00	92.03	0.36
NVNT	ANT1	802.11ac(VHT20)	5500.00	91.73	0.38
NVNT	ANT1	802.11ac(VHT20)	5580.00	92.06	0.36
NVNT	ANT1	802.11ac(VHT20)	5700.00	92.03	0.36
NVNT	ANT1	802.11n(HT40)	5510.00	84.83	0.71
NVNT	ANT1	802.11n(HT40)	5590.00	84.93	0.71
NVNT	ANT1	802.11n(HT40)	5670.00	84.93	0.71
NVNT	ANT1	802.11ac(VHT40)	5510.00	84.93	0.71
NVNT	ANT1	802.11ac(VHT40)	5590.00	84.93	0.71
NVNT	ANT1	802.11ac(VHT40)	5670.00	83.22	0.80
NVNT	ANT1	802.11ac(VHT80)	5530.00	73.42	1.34
NVNT	ANT1	802.11ac(VHT80)	5610.00	72.50	1.40

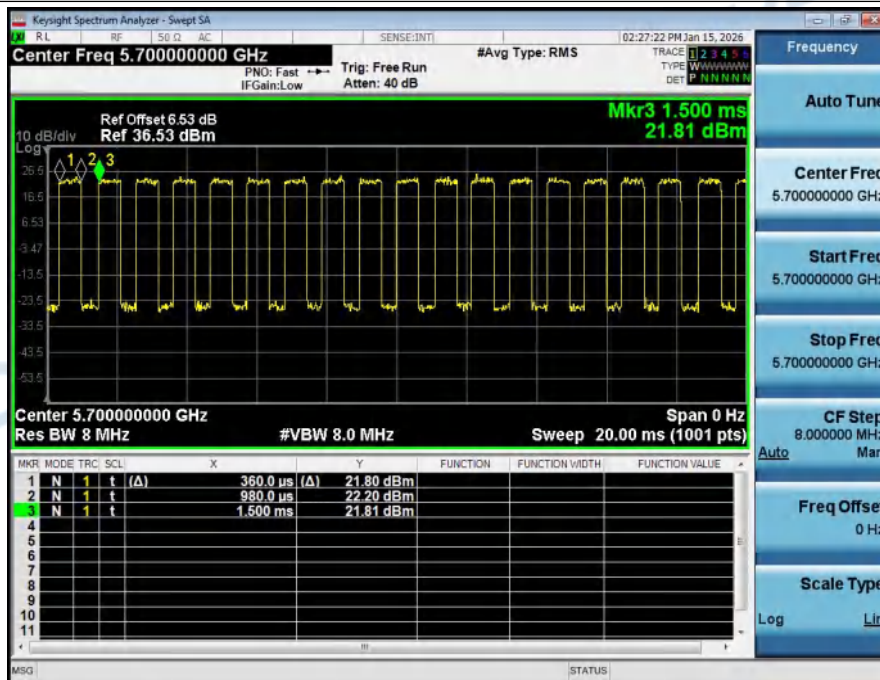
Duty_Cycle_NVNT_ANT1_802_11a_5500



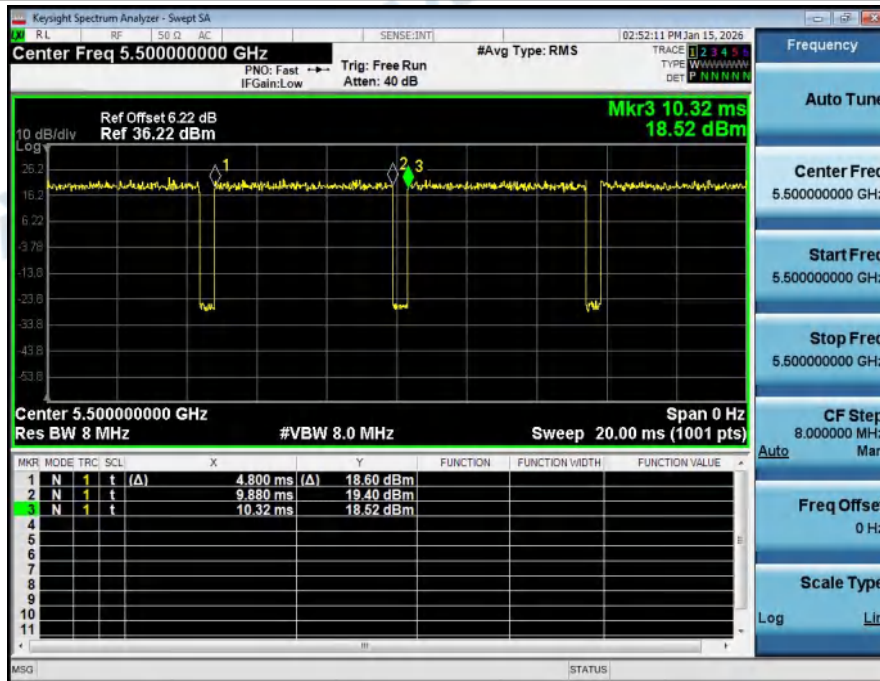
Duty_Cycle_NVNT_ANT1_802_11a_5580



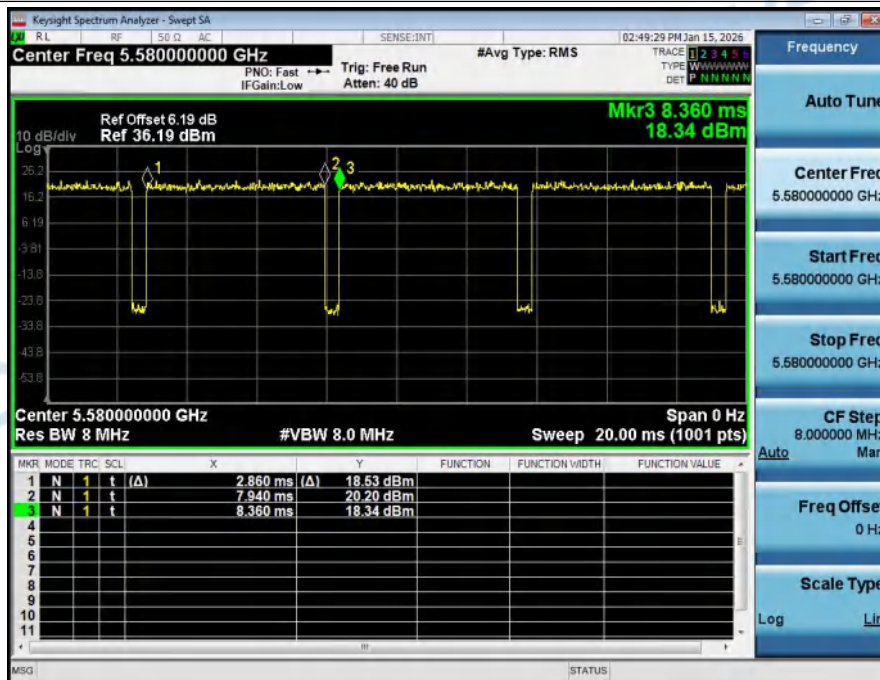
Duty_Cycle_NVNT_ANT1_802_11a_5700



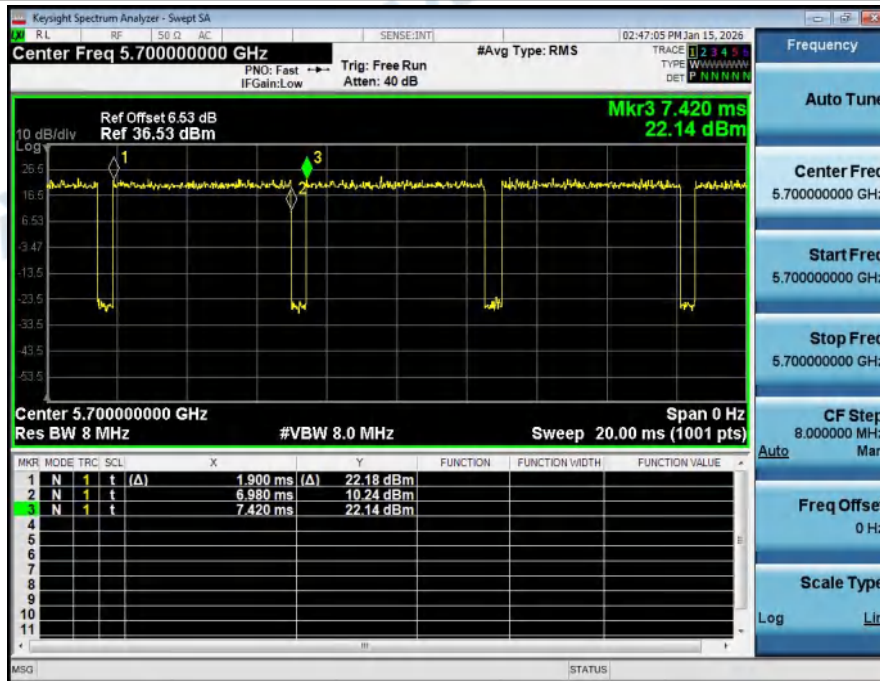
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5500



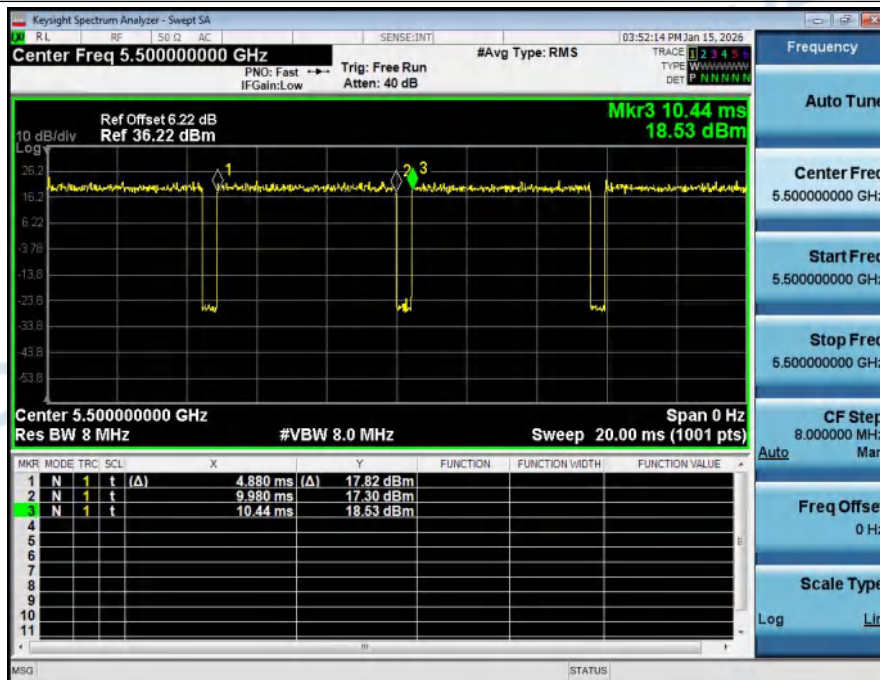
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5580



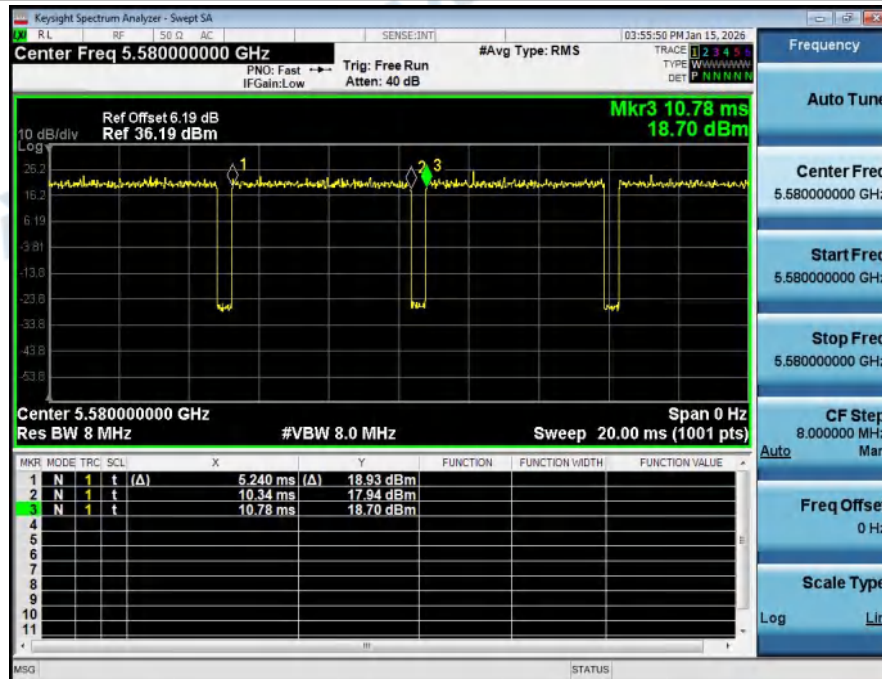
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5700



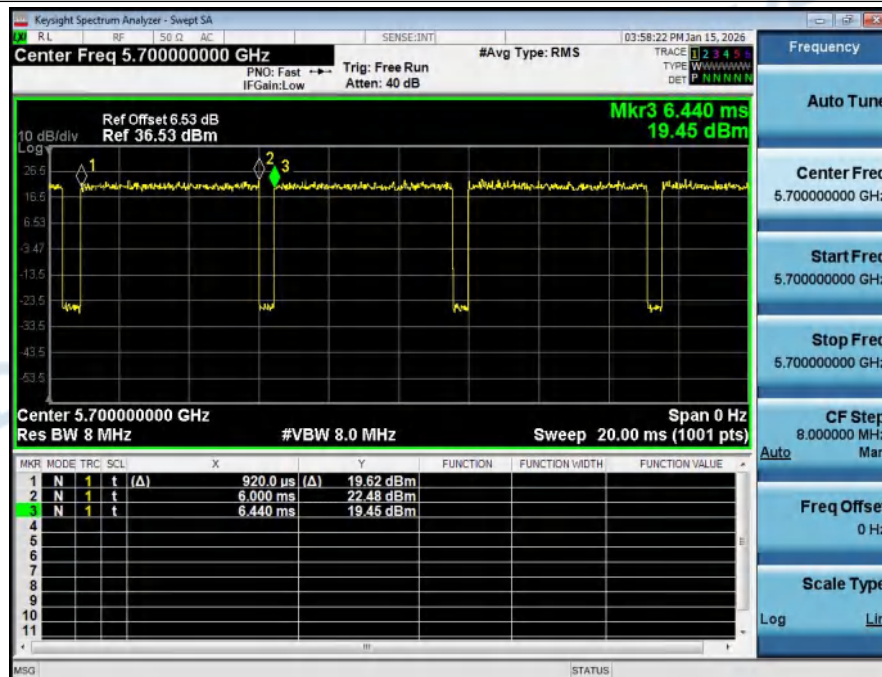
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5500



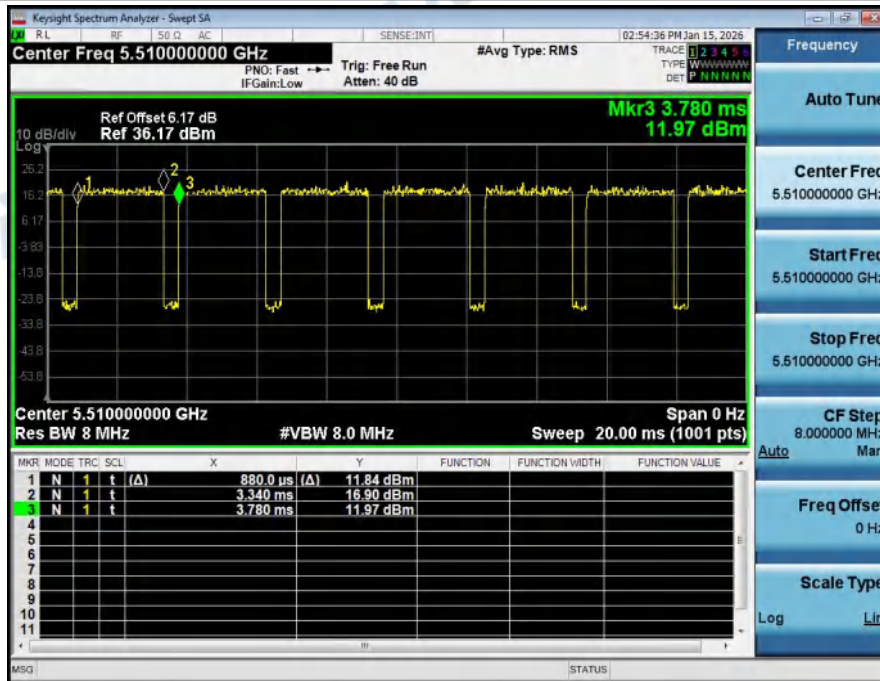
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5580



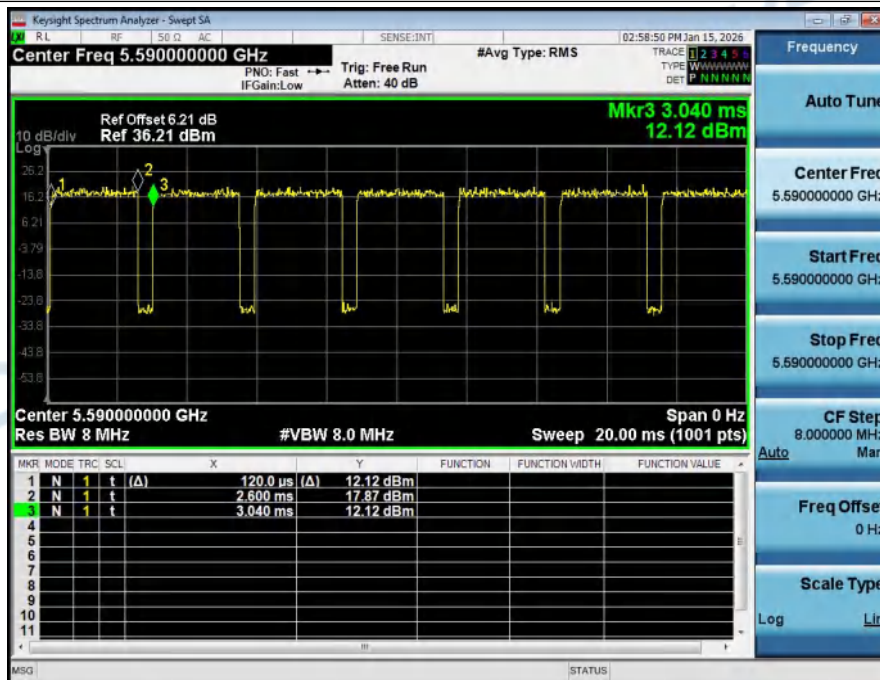
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5700



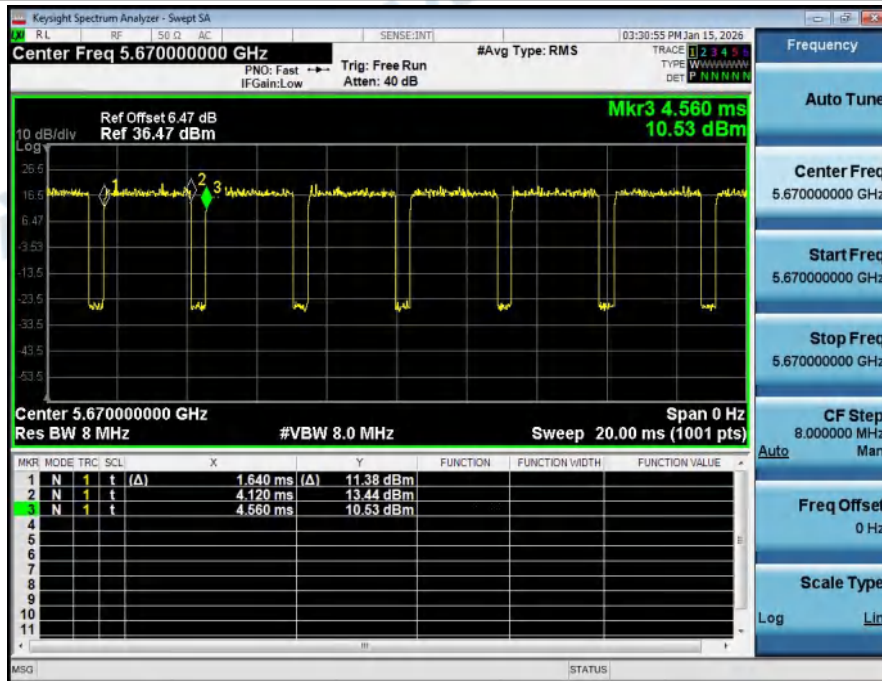
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5510



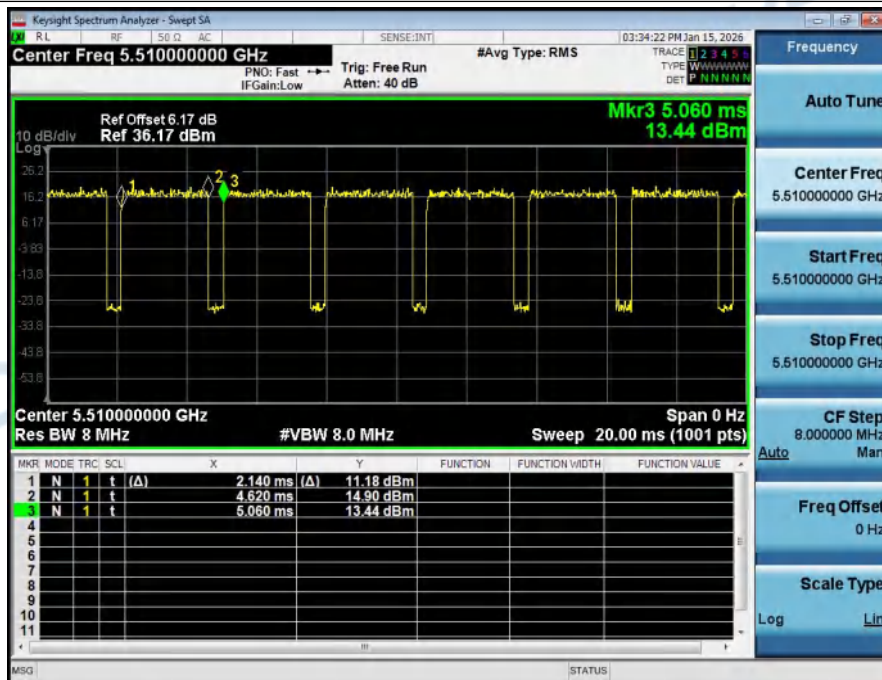
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5590



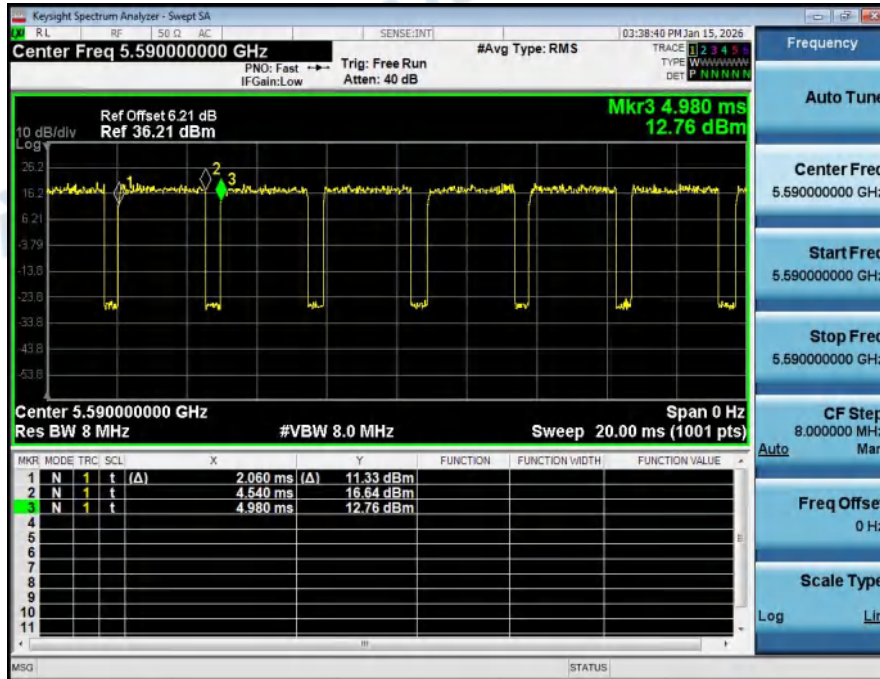
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5670



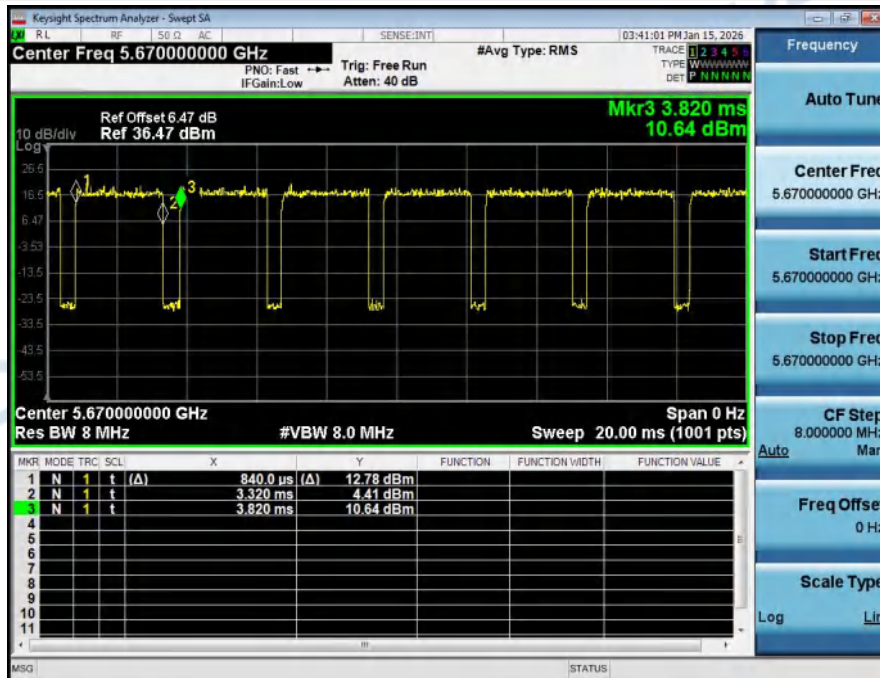
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5510



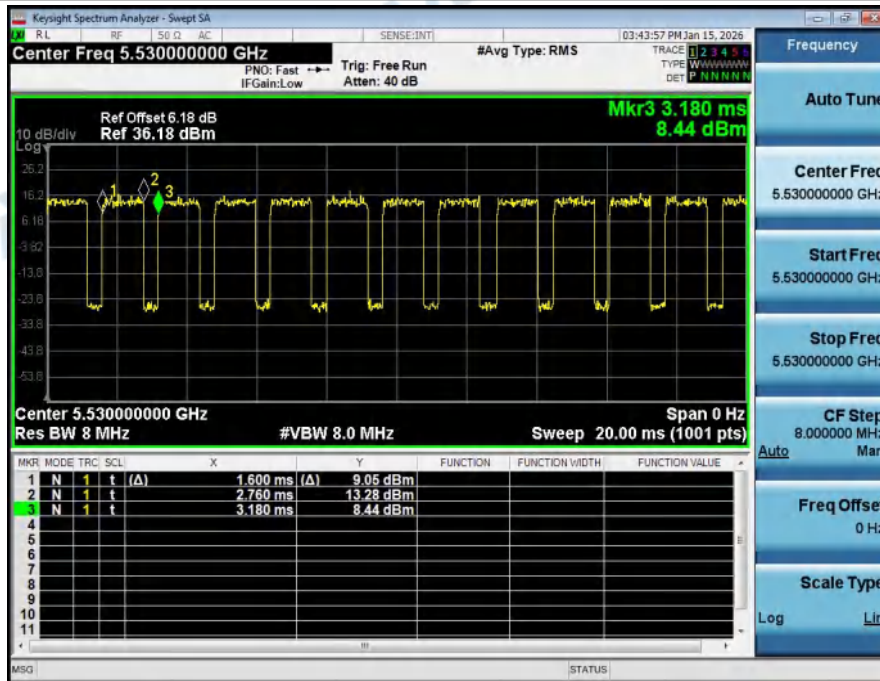
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5590



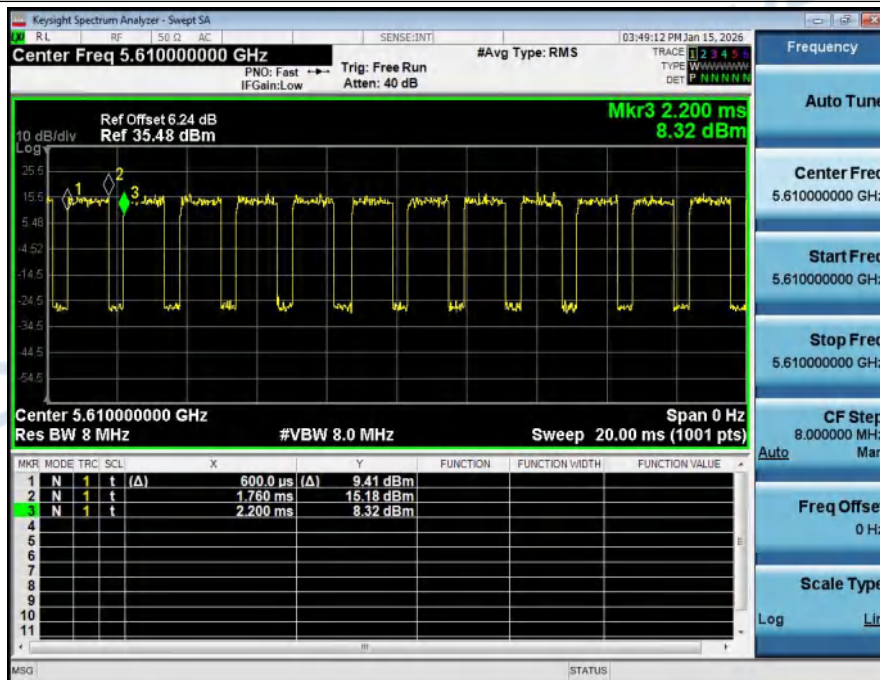
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5670



Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5530



Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5610



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	16.11	2.51	18.62	24	Pass
NVNT	ANT1	802.11a	5580.00	16.36	0.00	16.36	24	Pass
NVNT	ANT1	802.11a	5700.00	16.56	2.65	19.21	24	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	15.73	0.36	16.09	24	Pass
NVNT	ANT1	802.11n(HT20)	5580.00	15.92	0.34	16.26	24	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	16.13	0.36	16.49	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	15.60	0.38	15.98	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5580.00	15.24	0.36	15.60	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	15.55	0.36	15.91	24	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	15.81	0.71	16.52	24	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	15.92	0.71	16.63	24	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	15.45	0.71	16.16	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	15.84	0.71	16.55	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	15.88	0.71	16.59	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	15.61	0.80	16.41	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	14.87	1.34	16.21	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	15.04	1.40	16.44	24	Pass

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	5.21	2.51	7.72	11	Pass
NVNT	ANT1	802.11a	5580.00	3.36	0.00	3.36	11	Pass
NVNT	ANT1	802.11a	5700.00	5.54	2.65	8.19	11	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	6.60	0.36	6.96	11	Pass
NVNT	ANT1	802.11n(HT20)	5580.00	4.62	0.34	4.96	11	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5.03	0.36	5.39	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	4.76	0.38	5.14	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5580.00	4.90	0.36	5.26	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	4.98	0.36	5.34	11	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	1.99	0.71	2.70	11	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	1.87	0.71	2.58	11	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	1.19	0.71	1.90	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	1.68	0.71	2.39	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	1.51	0.71	2.22	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	1.27	0.80	2.07	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	-2.42	1.34	-1.07	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	-2.33	1.40	-0.93	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5500



Power_Spectral_Density_NVNT_ANT1_802_11a_5580



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)_5580



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5700



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5500



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5580



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5700



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5510



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5590



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5670



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5510



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5590



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5670



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5530



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5610



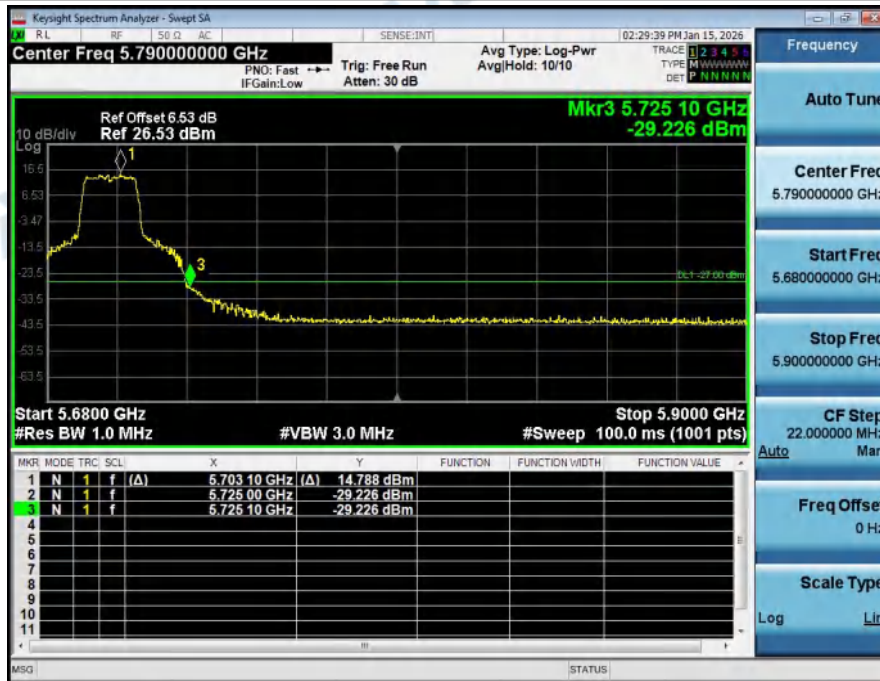
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	5469.96	-32.55	-27	Pass
NVNT	ANT1	802.11a	5700.00	5725.10	-29.23	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	5469.60	-28.98	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5725.32	-30.32	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	5469.24	-35.38	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	5725.10	-30.13	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	5468.70	-28.94	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	5729.63	-30.82	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	5468.10	-29.99	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	5727.74	-30.63	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	5468.46	-32.35	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	5740.50	-38.55	-27	Pass

Bandedge_NVNT_ANT1_802_11a_5500



Bandedge_NVNT_ANT1_802_11a_5700



Bandedge_NVNT_ANT1_802_11n(HT20)_5500



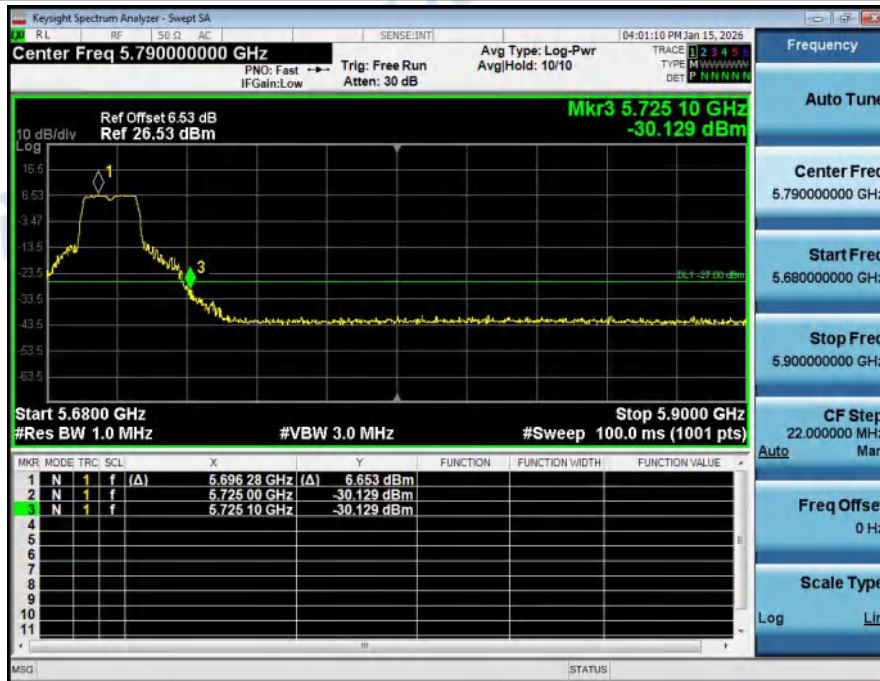
Bandedge_NVNT_ANT1_802_11n(HT20)_5700



Bandedge_NVNT_ANT1_802_11ac(VHT20)_5500



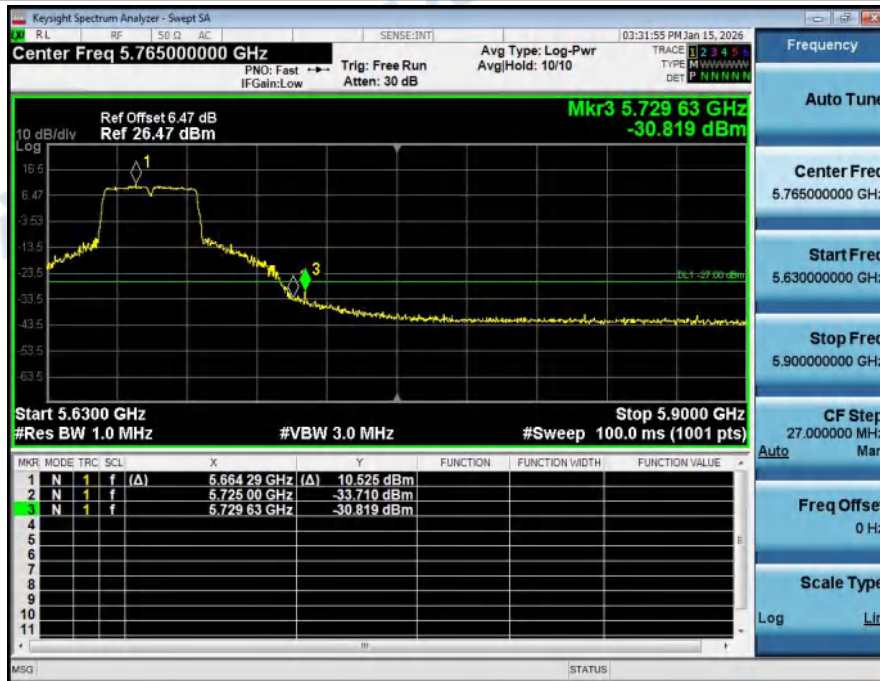
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5700



Bandedge_NVNT_ANT1_802_11n(HT40)_5510



Bandedge_NVNT_ANT1_802_11n(HT40)_5670



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5510



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5670



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5530



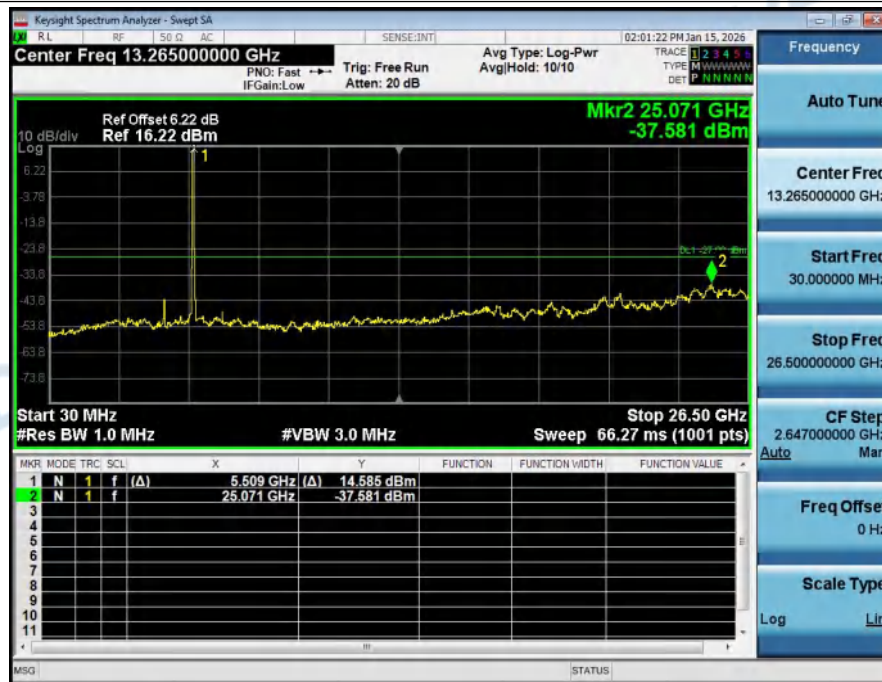
Bandedge_NVNT_ANT1_802_11ac(VHT80)_5610



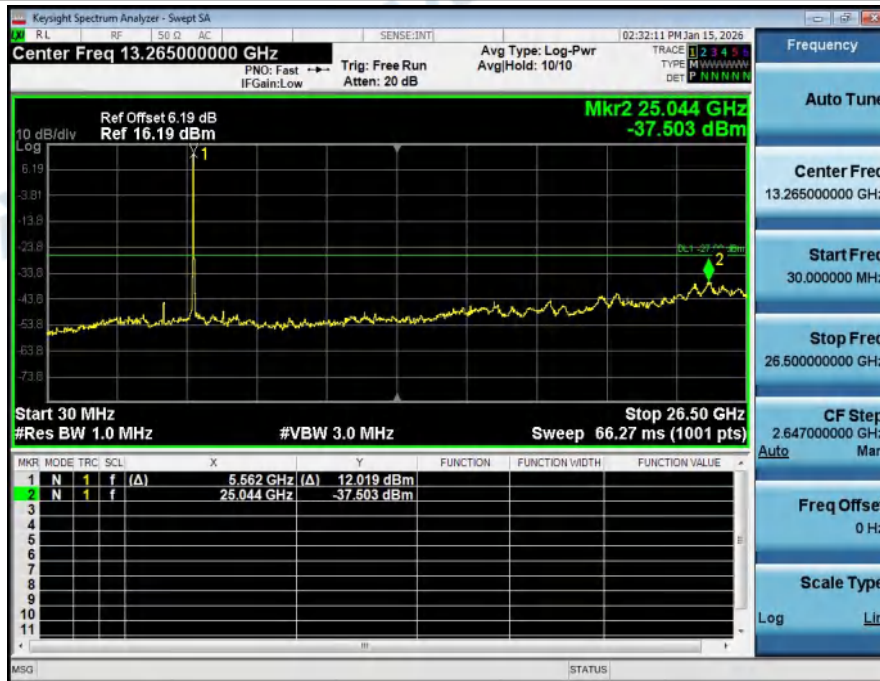
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5500.00	25070.62	-37.58	-27	Pass
NVNT	ANT1	802.11a	5580.00	25044.15	-37.50	-27	Pass
NVNT	ANT1	802.11a	5700.00	25017.68	-36.90	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	25070.62	-37.57	-27	Pass
NVNT	ANT1	802.11n(HT20)	5580.00	25070.62	-37.99	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	25017.68	-37.80	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	24991.21	-37.99	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5580.00	25044.15	-37.95	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	24964.74	-36.78	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	25070.62	-37.37	-27	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	25044.15	-38.32	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	25044.15	-36.83	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	25017.68	-37.49	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	25017.68	-38.13	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	25097.09	-27.72	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	25097.09	-37.93	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	24991.21	-37.07	-27	Pass

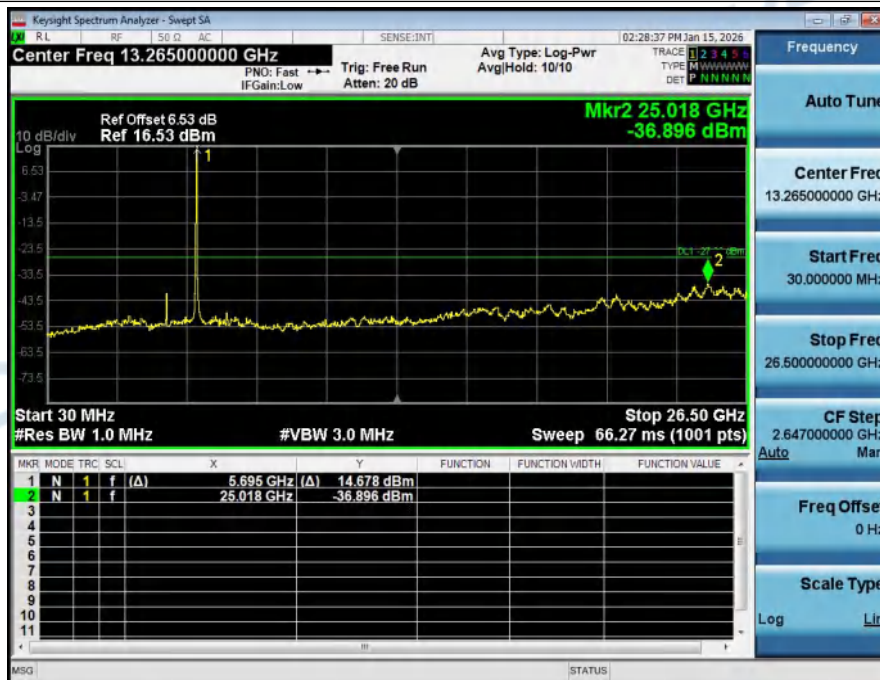
Spurious_Emission_NVNT_ANT1_802_11a_5500



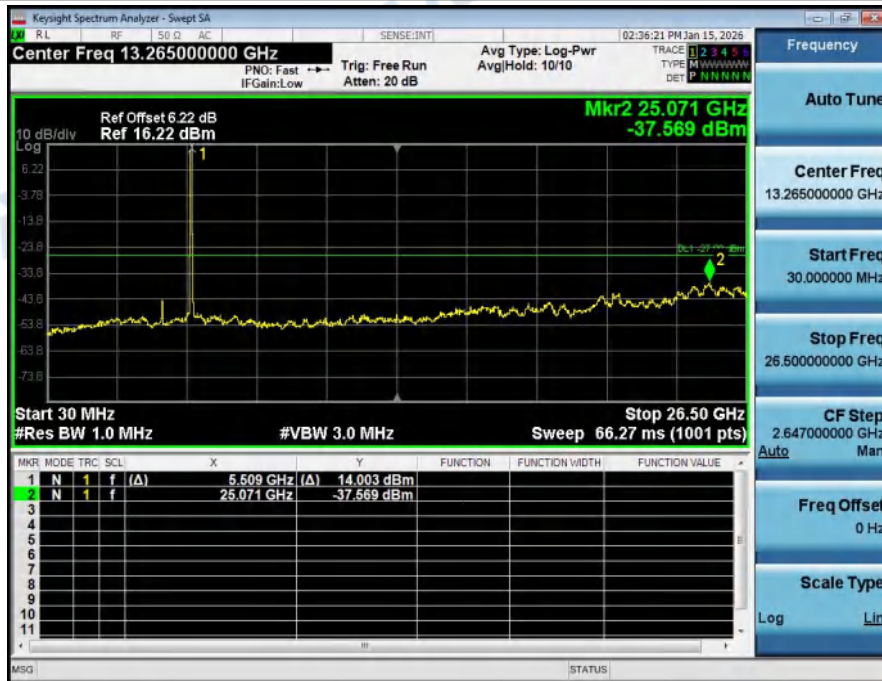
Spurious_Emission_NVNT_ANT1_802_11a_5580



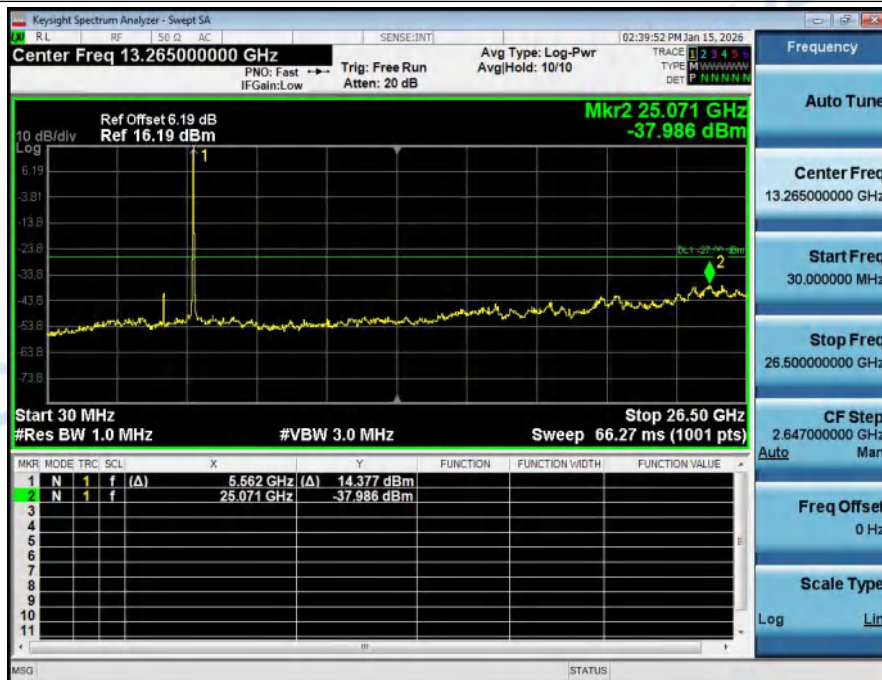
Spurious_Emission_NVNT_ANT1_802_11a_5700



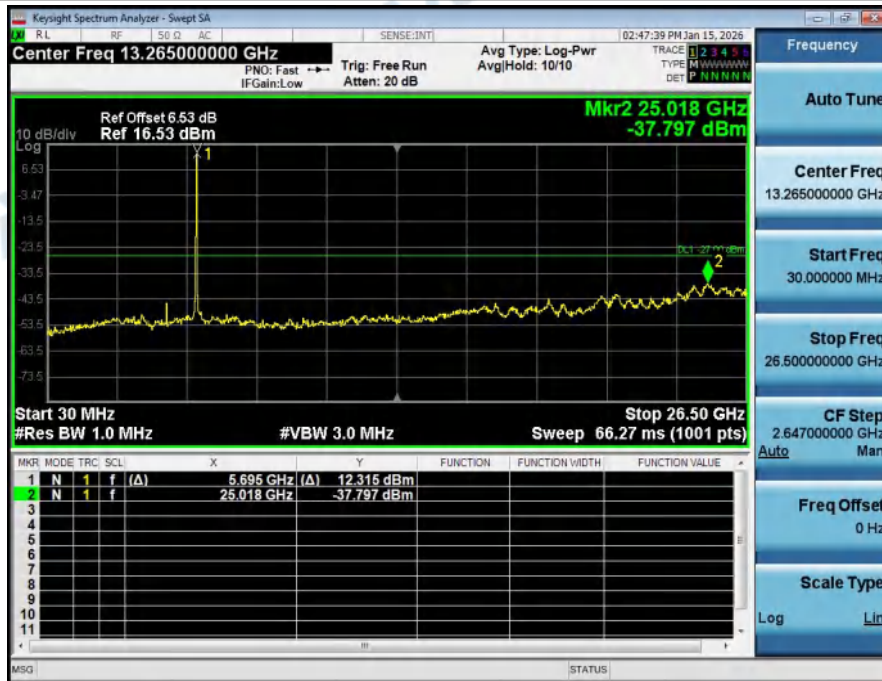
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5500



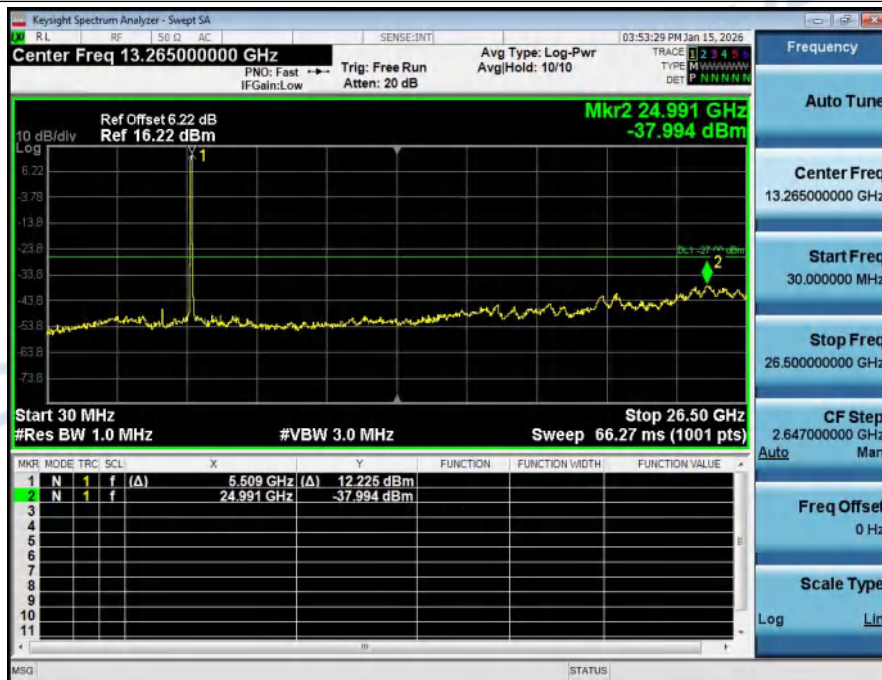
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5580



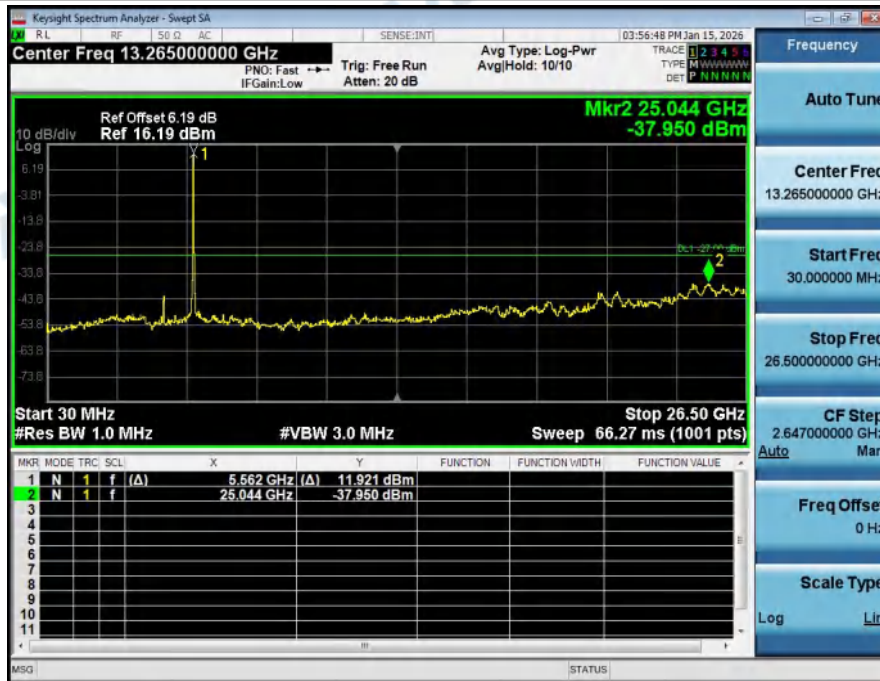
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5700



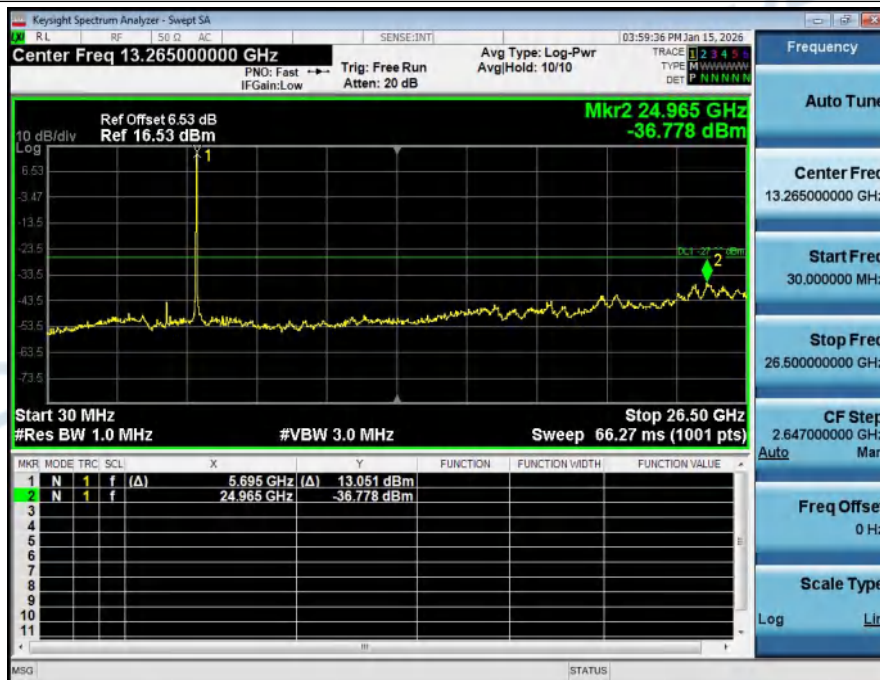
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5500



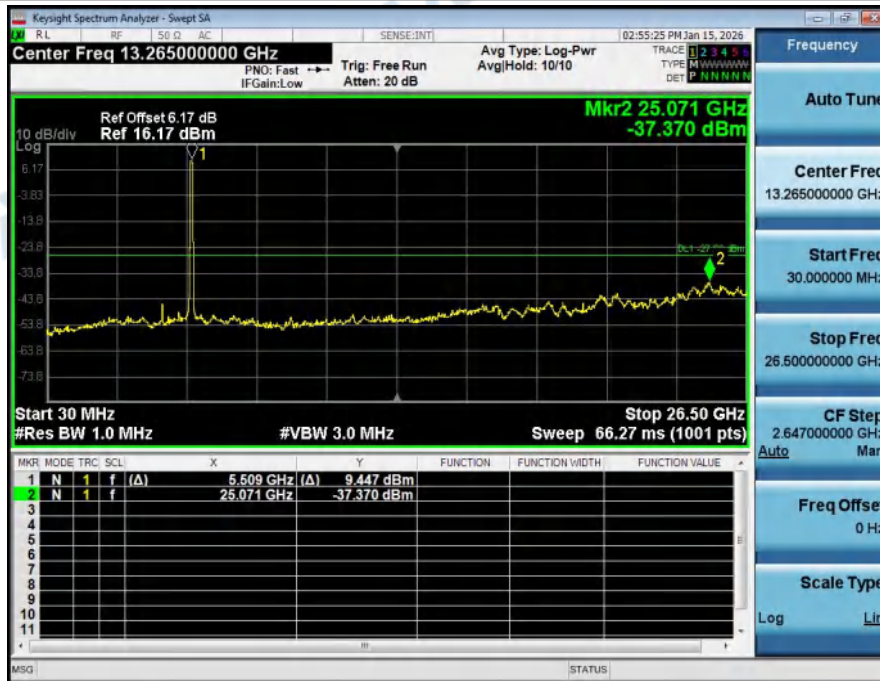
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5580



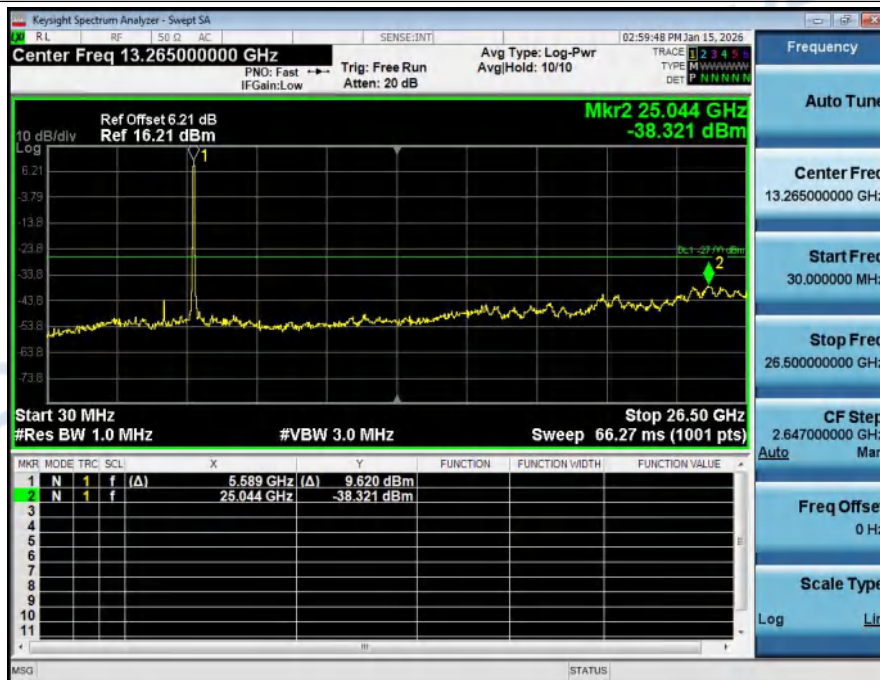
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5700



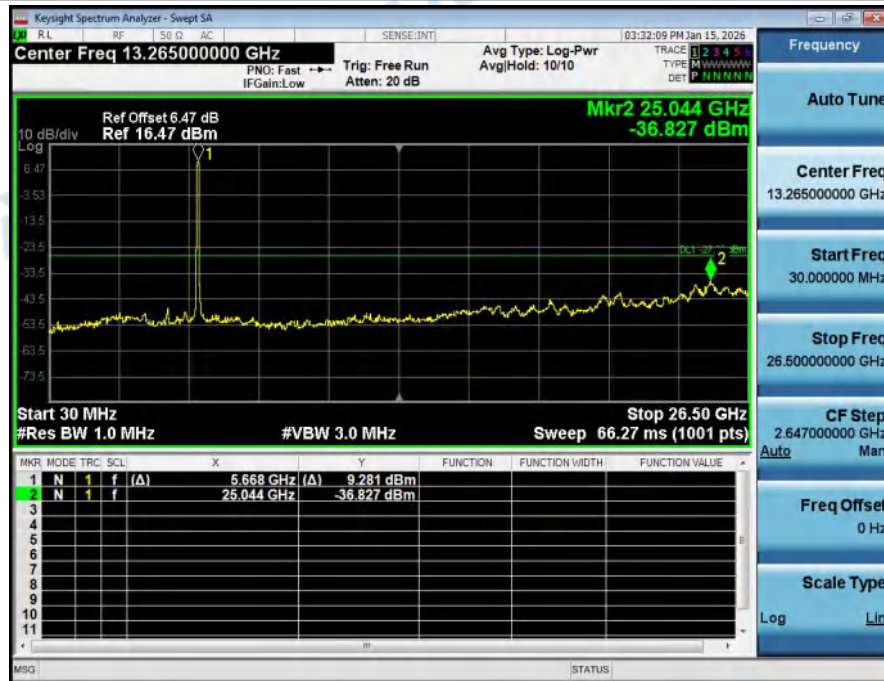
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5510



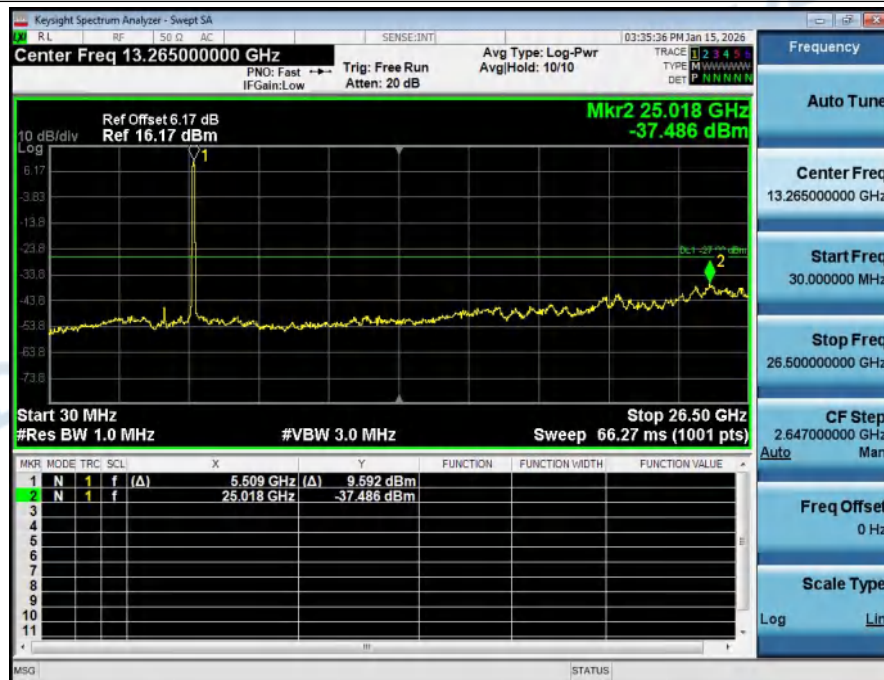
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5590



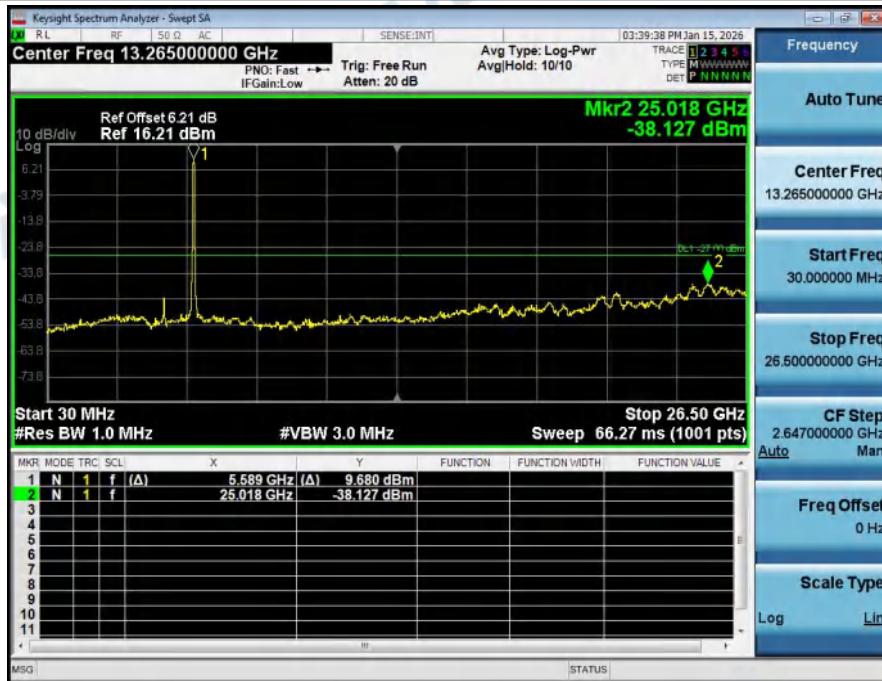
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5670



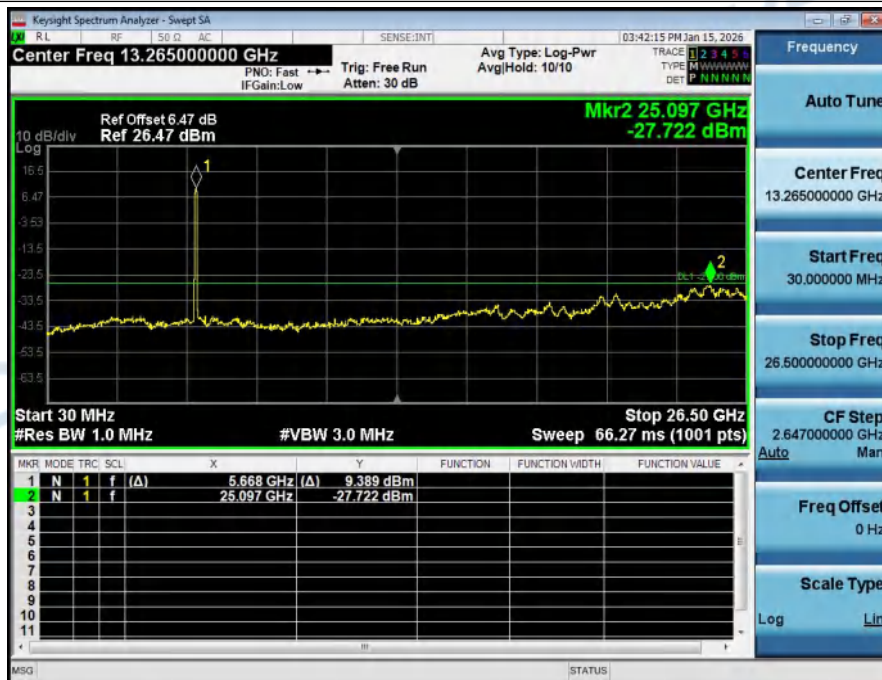
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5510



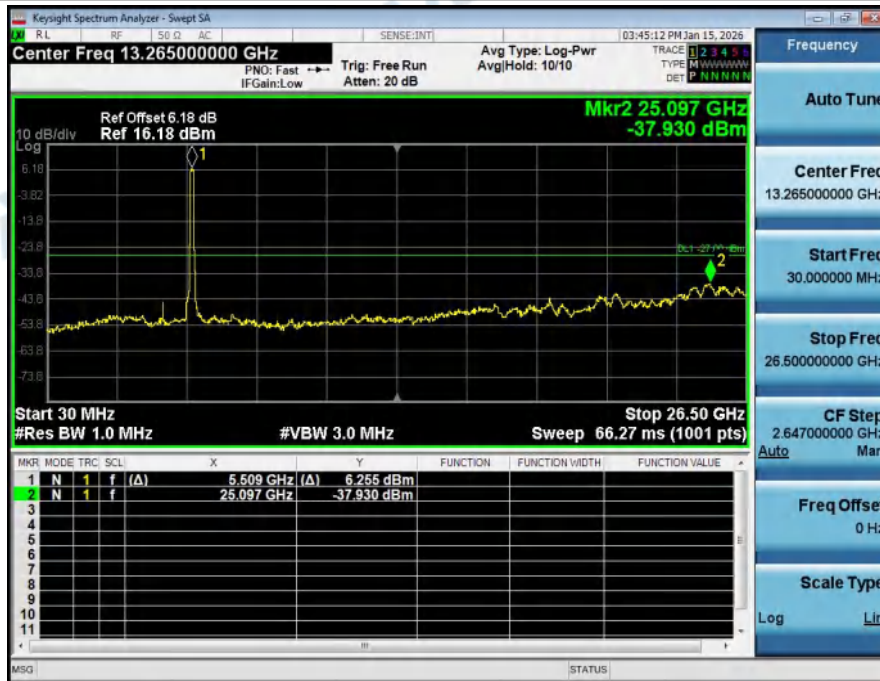
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5590



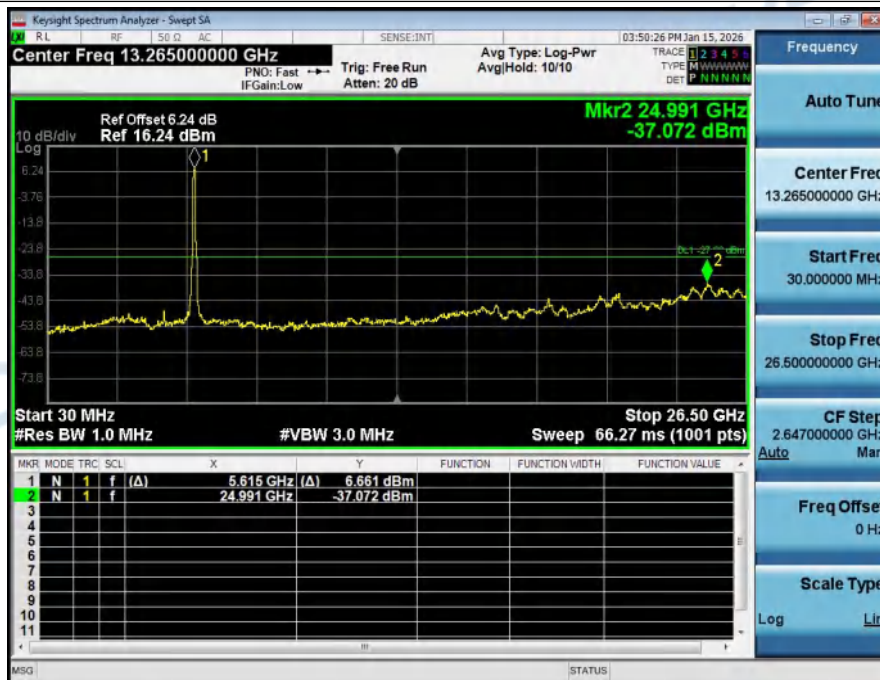
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5670



Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5530



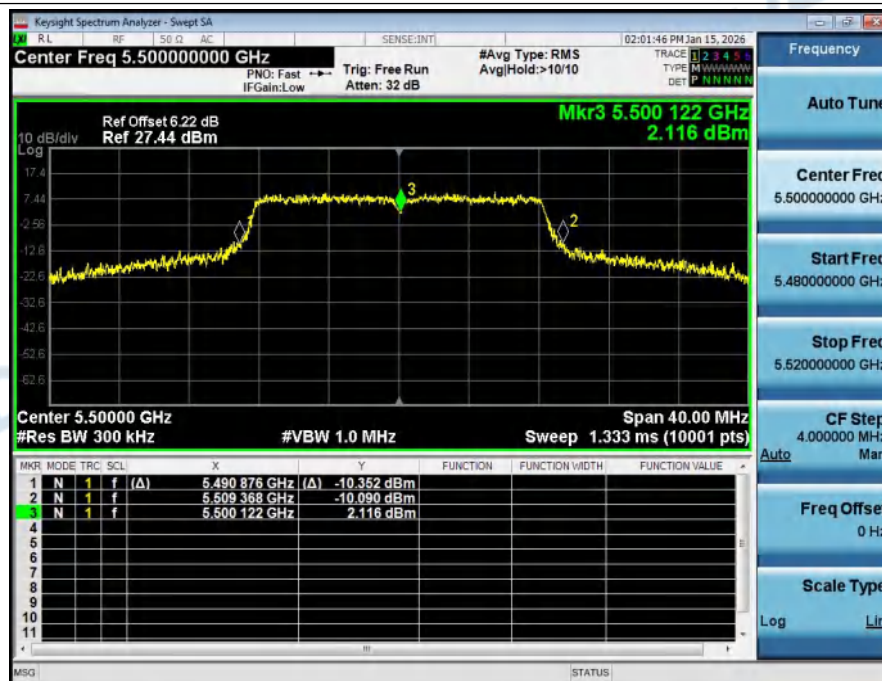
Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5610



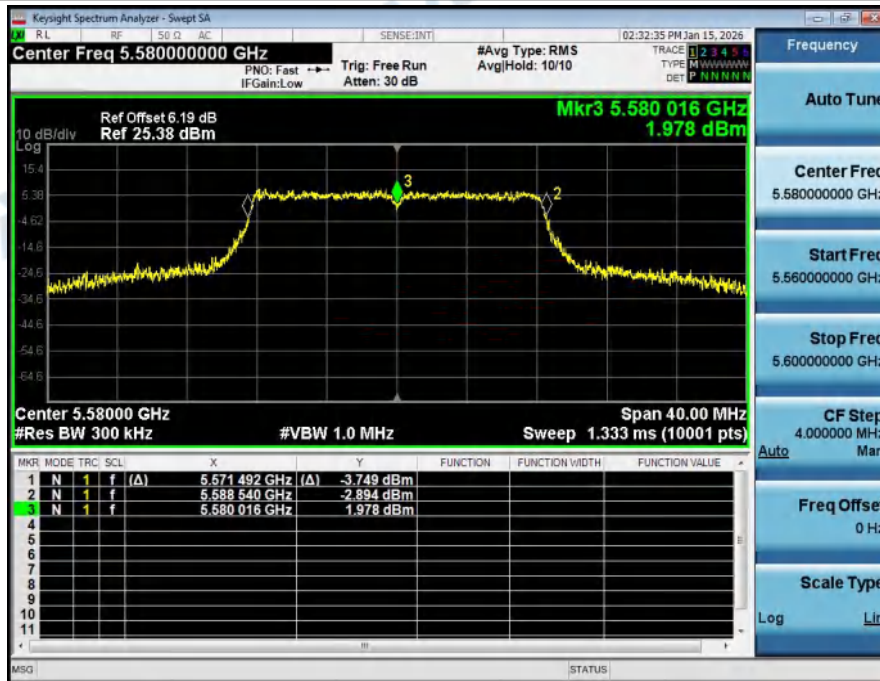
7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5500.00	5500.122	5490.876	5509.368	5470~5725	Pass
NVNT	ANT1	802.11a	5580.00	5580.016	5571.492	5588.540	5470~5725	Pass
NVNT	ANT1	802.11a	5700.00	5700.334	5690.688	5709.980	5470~5725	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	5500.344	5489.176	5511.512	5470~5725	Pass
NVNT	ANT1	802.11n(HT20)	5580.00	5580.006	5570.836	5589.176	5470~5725	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5700.172	5690.840	5709.504	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	5500.058	5490.888	5509.228	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT20)	5580.00	5580.030	5570.852	5589.208	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	5700.112	5690.812	5709.412	5470~5725	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	5510.048	5491.640	5528.456	5470~5725	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	5590.020	5571.680	5608.360	5470~5725	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	5670.088	5651.712	5688.464	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	5510.072	5491.728	5528.416	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	5590.028	5571.680	5608.376	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	5670.076	5651.688	5688.464	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	5530.048	5492.008	5568.088	5470~5725	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	5610.006	5571.984	5648.028	5470~5725	Pass

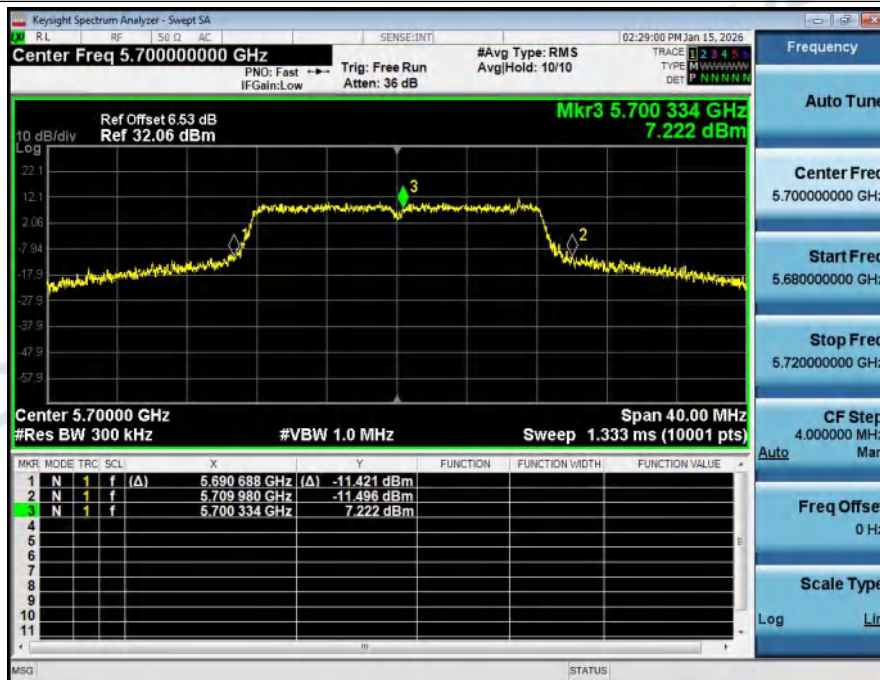
Frequency_Stability_NVNT_ANT1_802_11a_5500



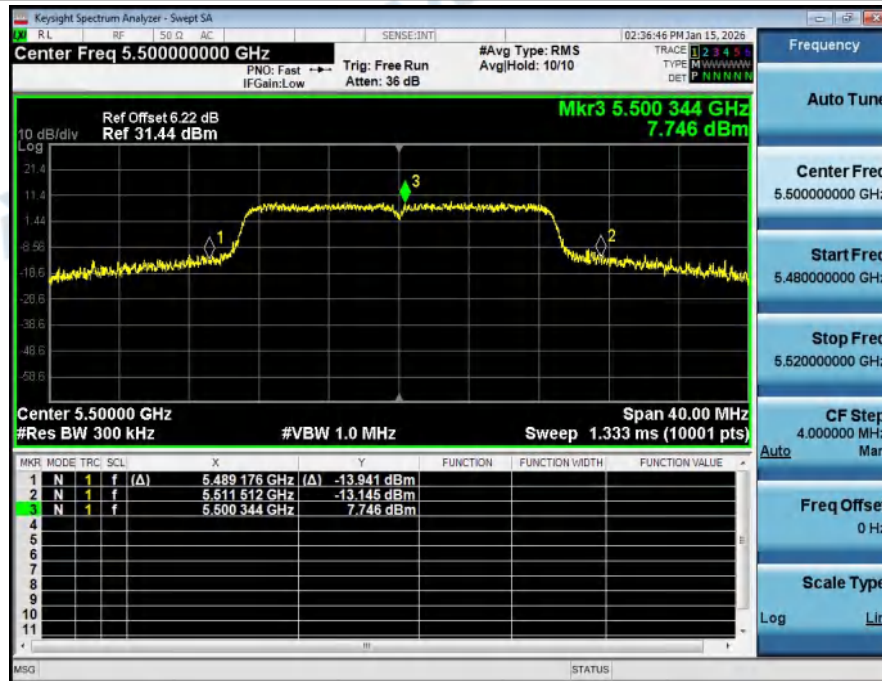
Frequency_Stability_NVNT_ANT1_802_11a_5580



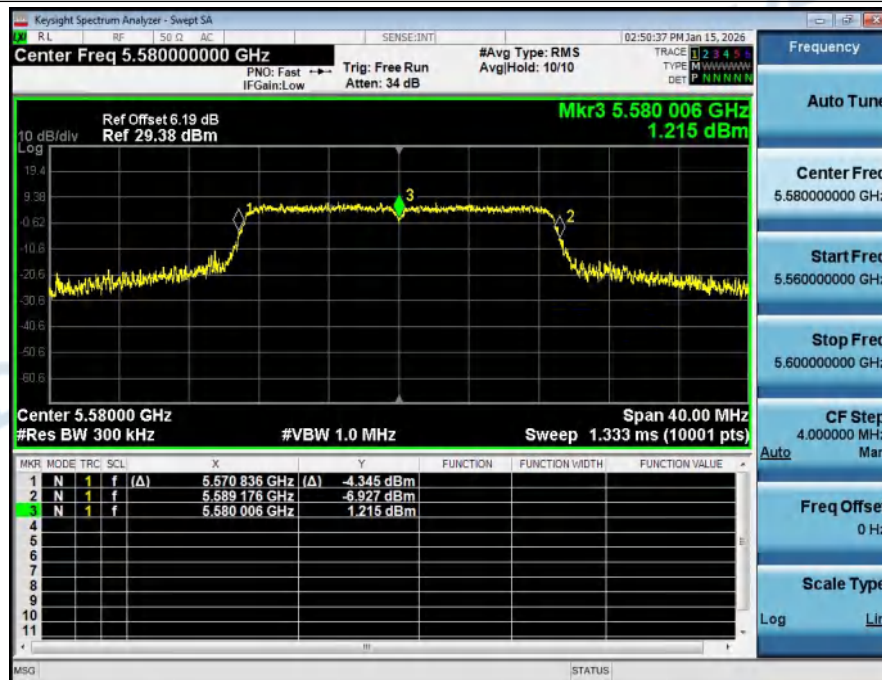
Frequency_Stability_NVNT_ANT1_802_11a_5700



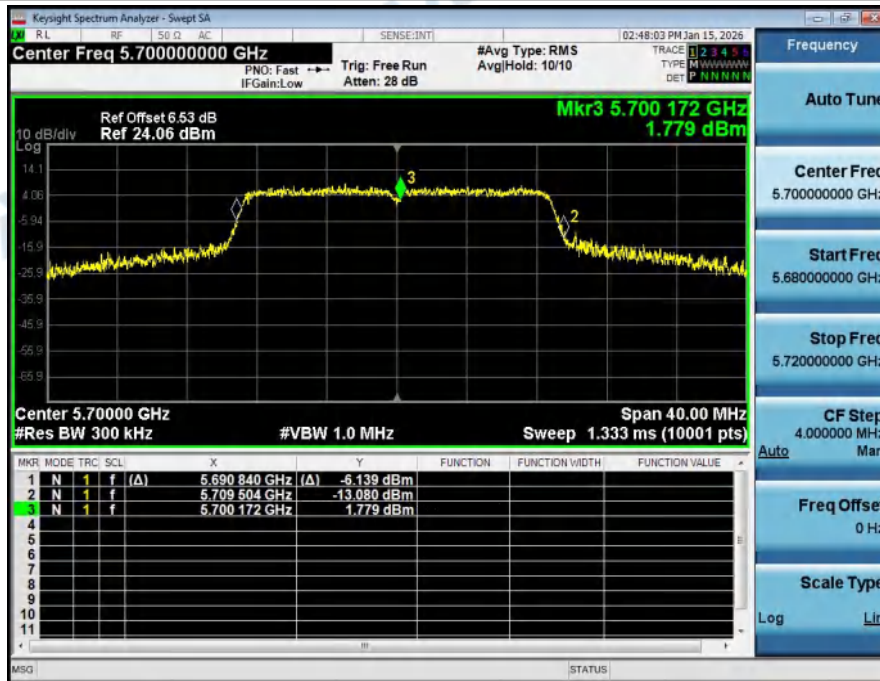
Frequency_Stability_NVNT_ANT1_802_11n(HT20)_5500



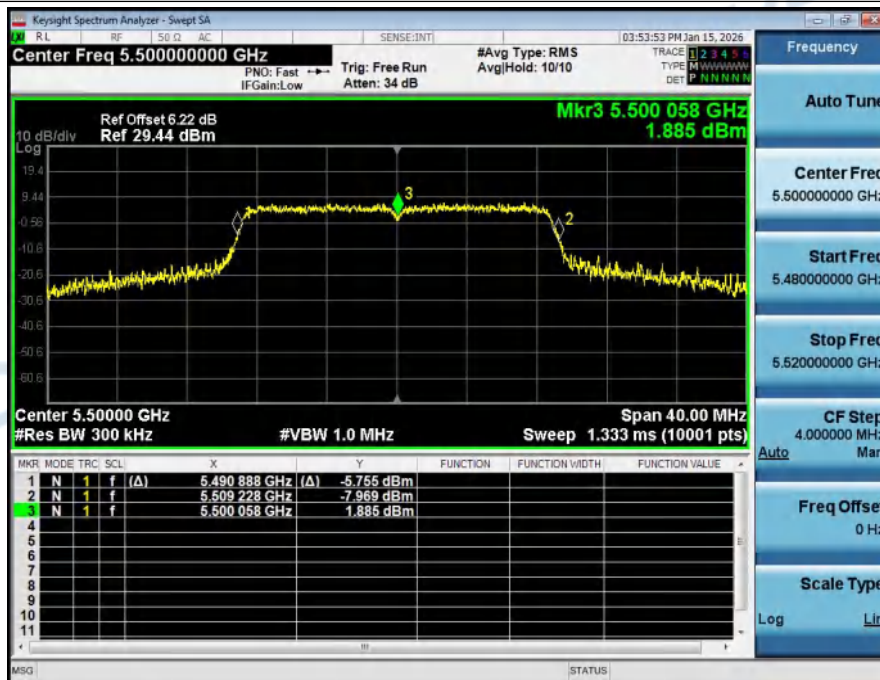
Frequency_Stability_NVNT_ANT1_802_11n(HT20)_5580



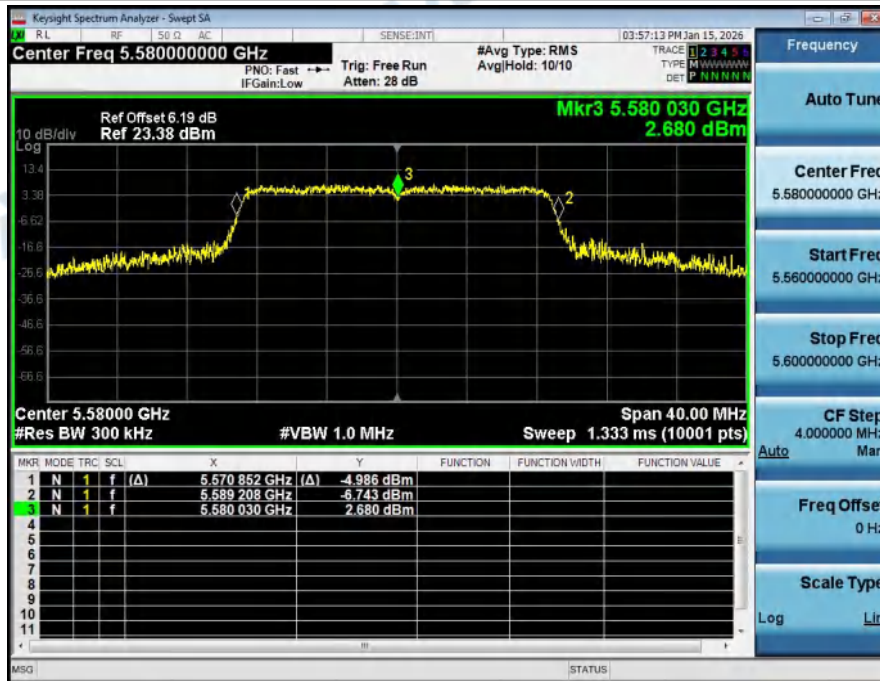
Frequency_Stability_NVNT_ANT1_802_11n(HT20)_5700



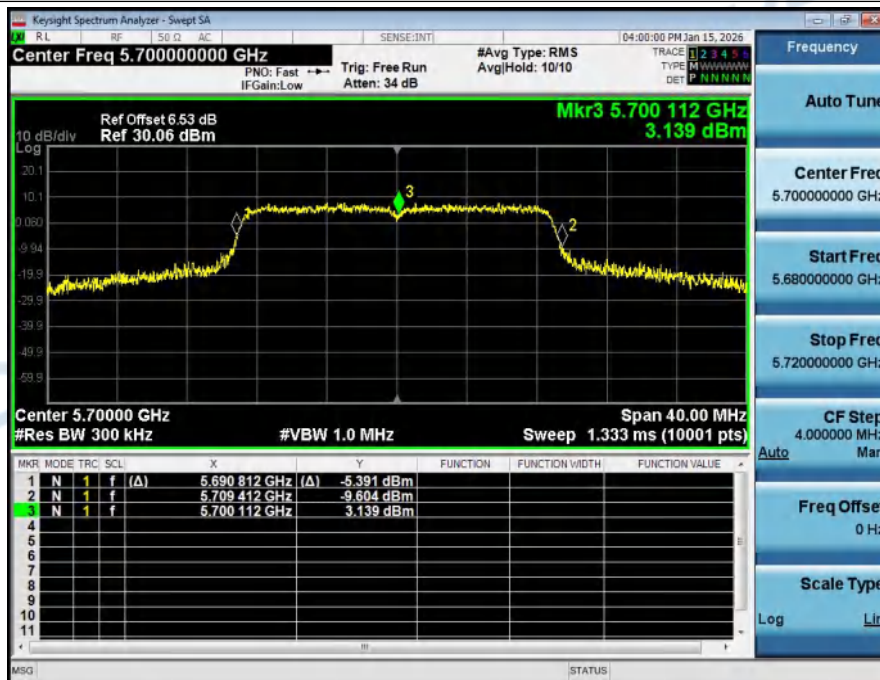
Frequency_Stability_NVNT_ANT1_802_11ac(VHT20)_5500



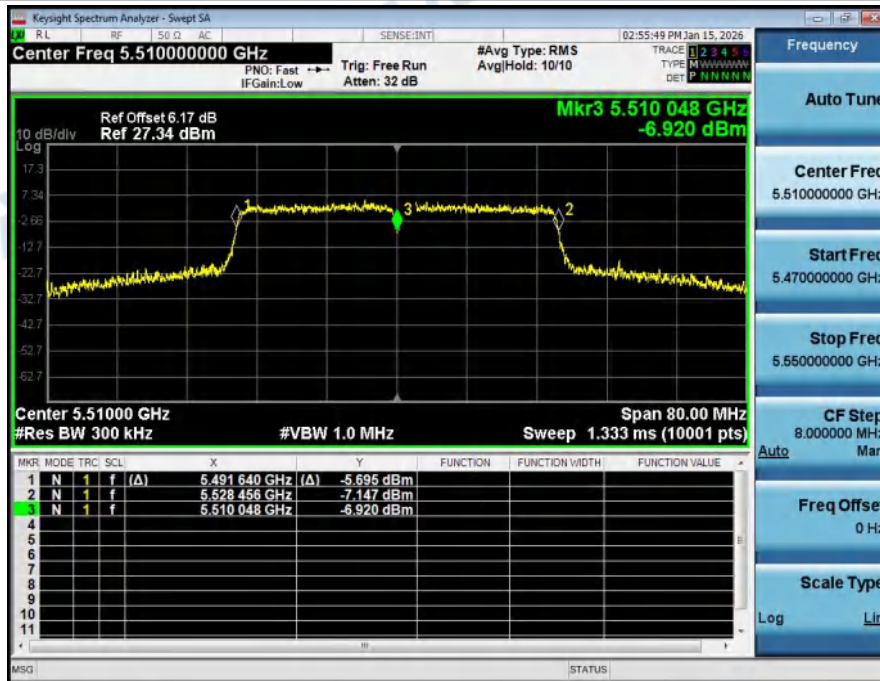
Frequency_Stability_NVNT_ANT1_802_11ac(VHT20)_5580



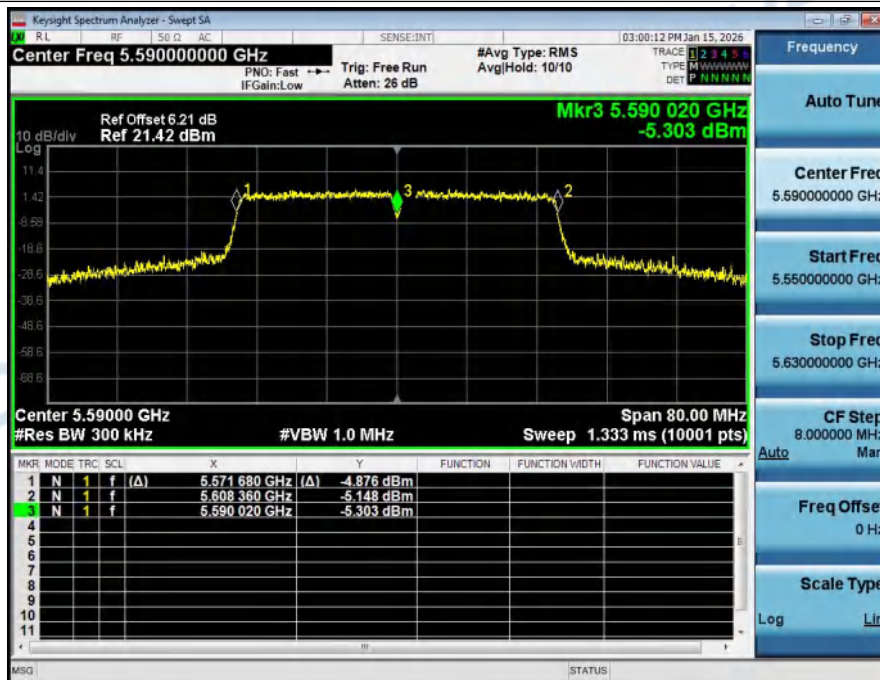
Frequency_Stability_NVNT_ANT1_802_11ac(VHT20)_5700



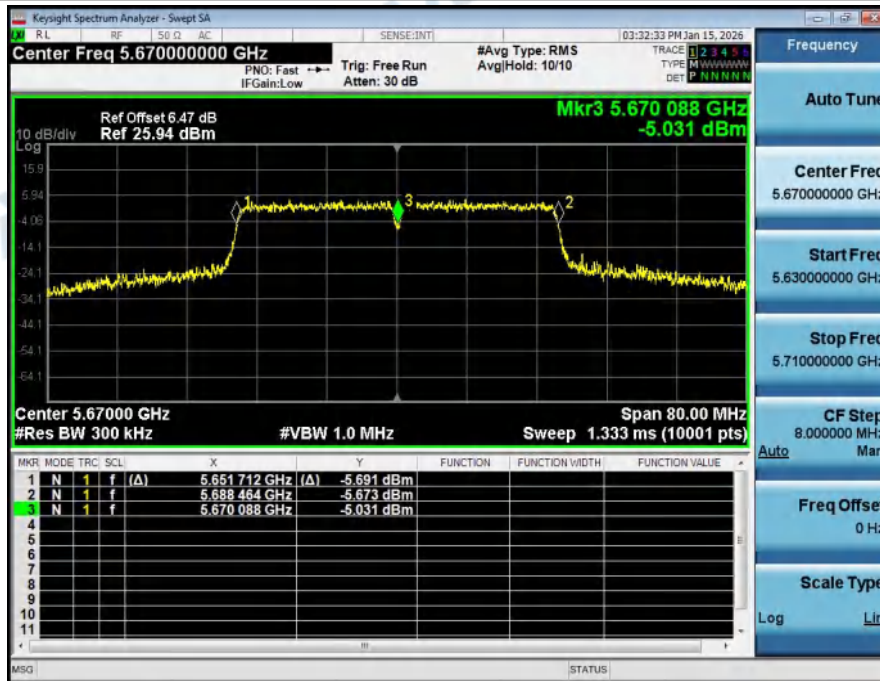
Frequency_Stability_NVNT_ANT1_802_11n(HT40)_5510



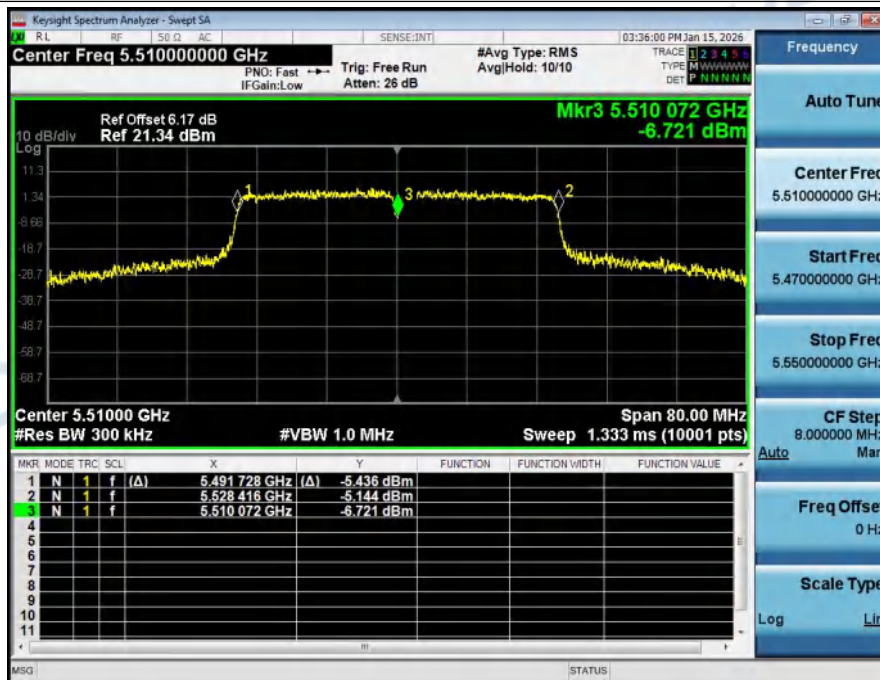
Frequency_Stability_NVNT_ANT1_802_11n(HT40)_5590



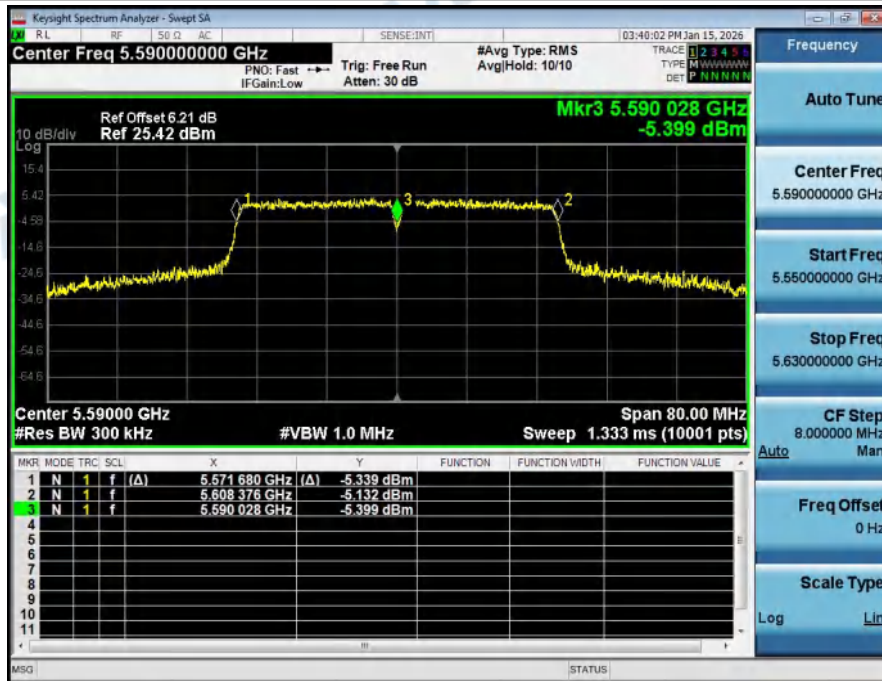
Frequency_Stability_NVNT_ANT1_802_11n(HT40)_5670



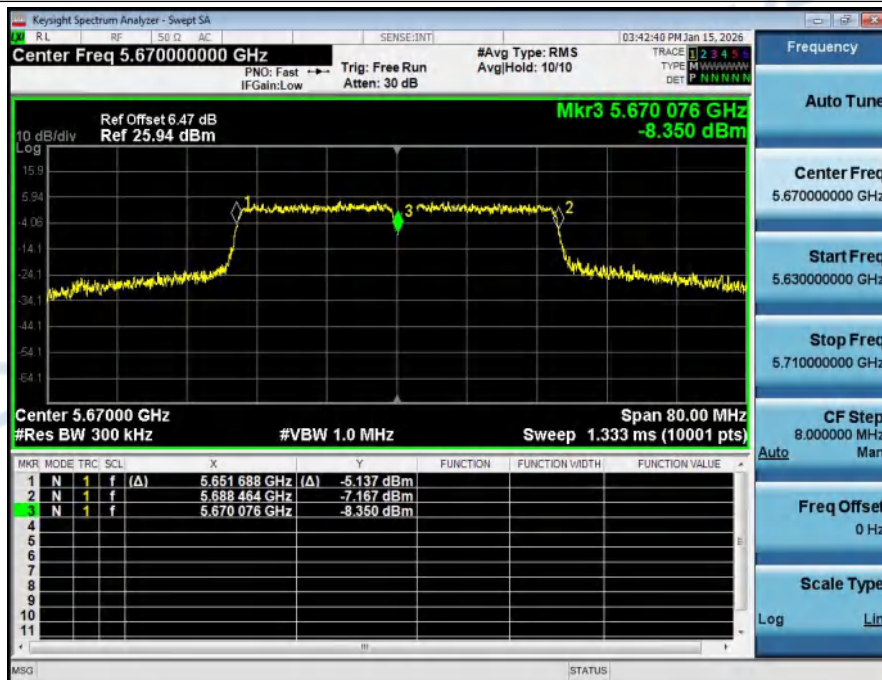
Frequency_Stability_NVNT_ANT1_802_11ac(VHT40)_5510



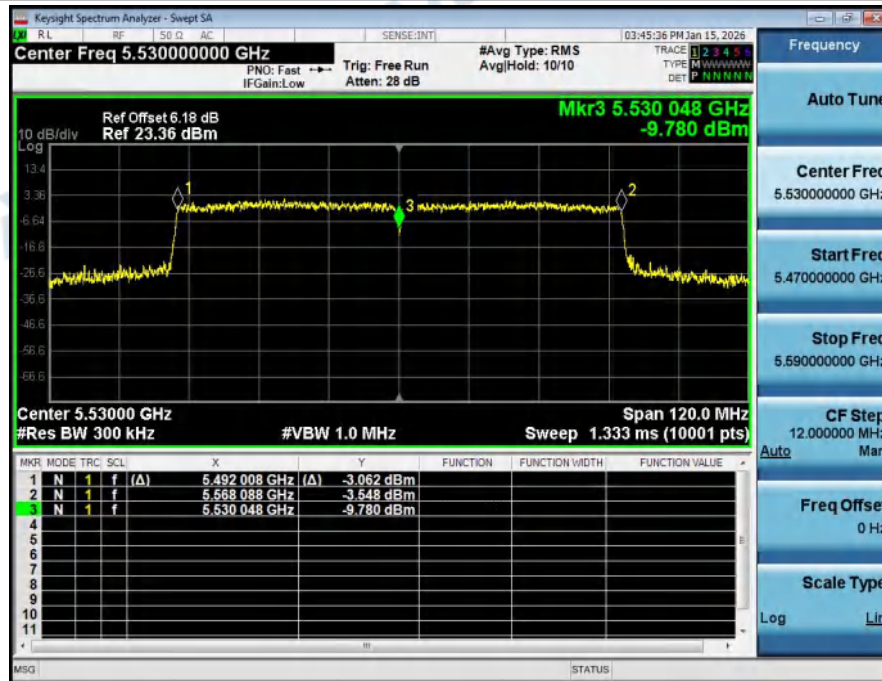
Frequency_Stability_NVNT_ANT1_802_11ac(VHT40)_5590



Frequency_Stability_NVNT_ANT1_802_11ac(VHT40)_5670



Frequency_Stability_NVNT_ANT1_802_11ac(VHT80)_5530



Frequency_Stability_NVNT_ANT1_802_11ac(VHT80)_5610

