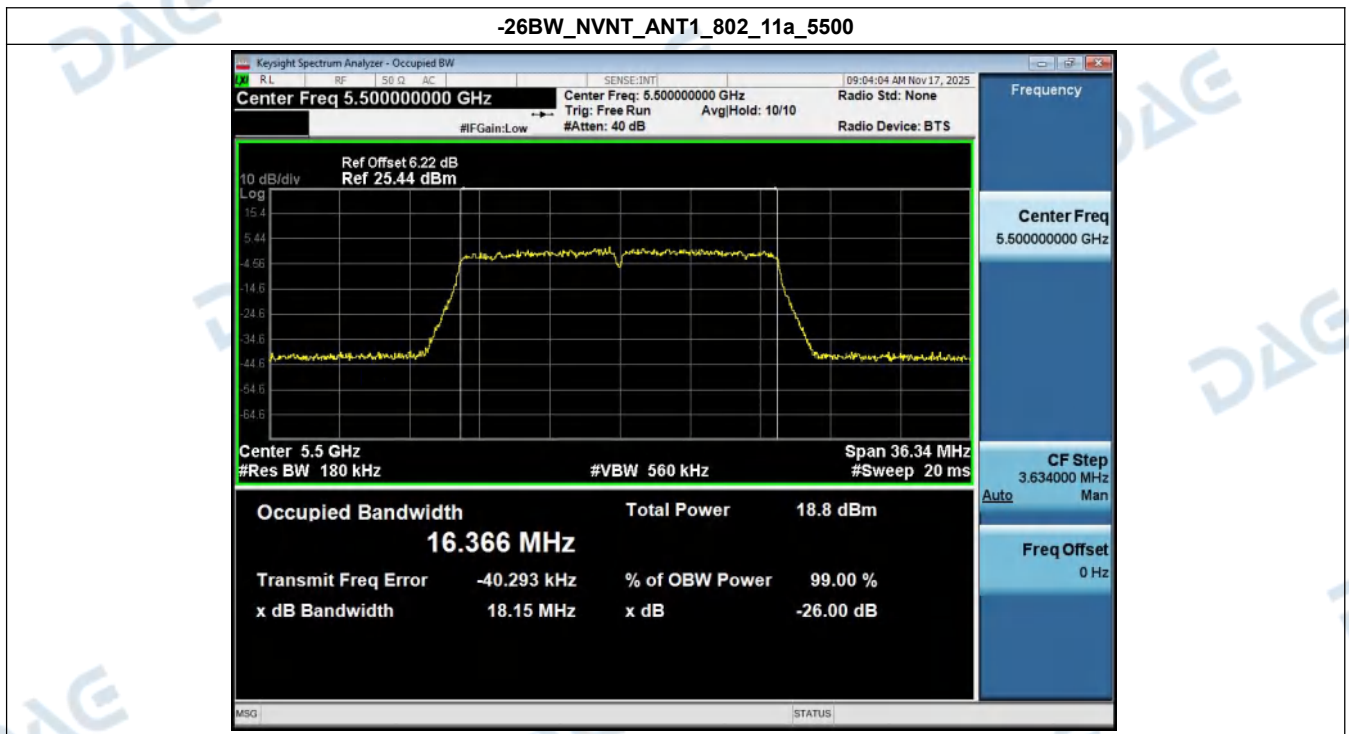


Appendix5.6G

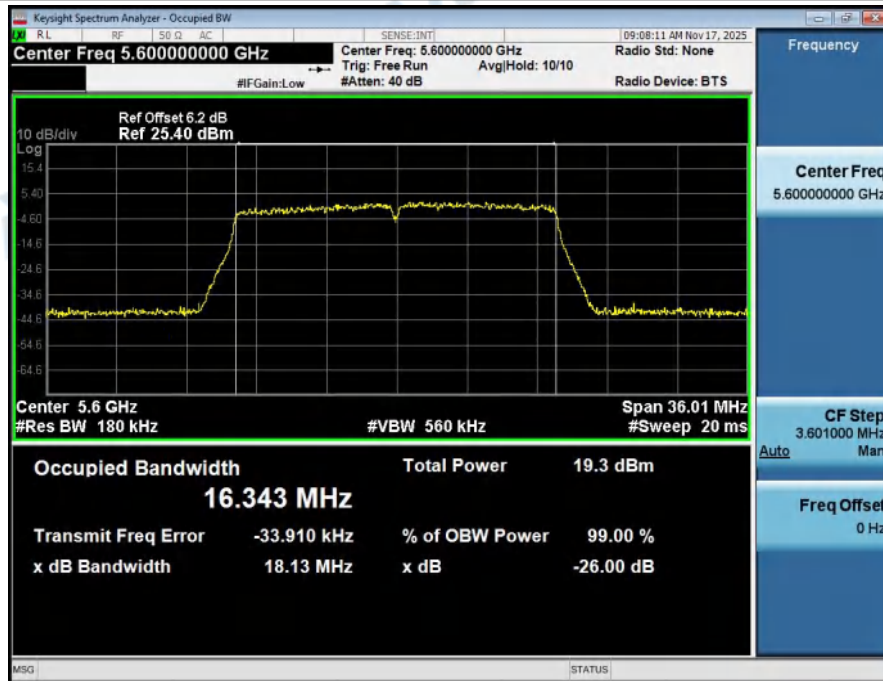
HT250613015--M-055--FCC ID--5.6GWIFI FCC_5.6G_WIFI (Part15.407) Test Data

1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5500.00	18.15	16.36
NVNT	ANT1	802.11a	5600.00	18.13	16.33
NVNT	ANT1	802.11a	5700.00	18.06	16.31
NVNT	ANT1	802.11n(HT20)	5500.00	18.85	17.52
NVNT	ANT1	802.11n(HT20)	5600.00	18.84	17.51
NVNT	ANT1	802.11n(HT20)	5700.00	18.82	17.51
NVNT	ANT1	802.11ac(VHT20)	5500.00	18.92	17.60
NVNT	ANT1	802.11ac(VHT20)	5600.00	18.91	17.58
NVNT	ANT1	802.11ac(VHT20)	5700.00	18.89	17.58
NVNT	ANT1	802.11n(HT40)	5510.00	38.00	35.78
NVNT	ANT1	802.11n(HT40)	5590.00	38.49	35.96
NVNT	ANT1	802.11n(HT40)	5670.00	38.03	35.75
NVNT	ANT1	802.11ac(VHT40)	5510.00	38.50	36.13
NVNT	ANT1	802.11ac(VHT40)	5590.00	38.72	36.24
NVNT	ANT1	802.11ac(VHT40)	5670.00	38.51	36.11
NVNT	ANT1	802.11ac(VHT80)	5530.00	79.08	75.82
NVNT	ANT1	802.11ac(VHT80)	5610.00	79.13	75.77



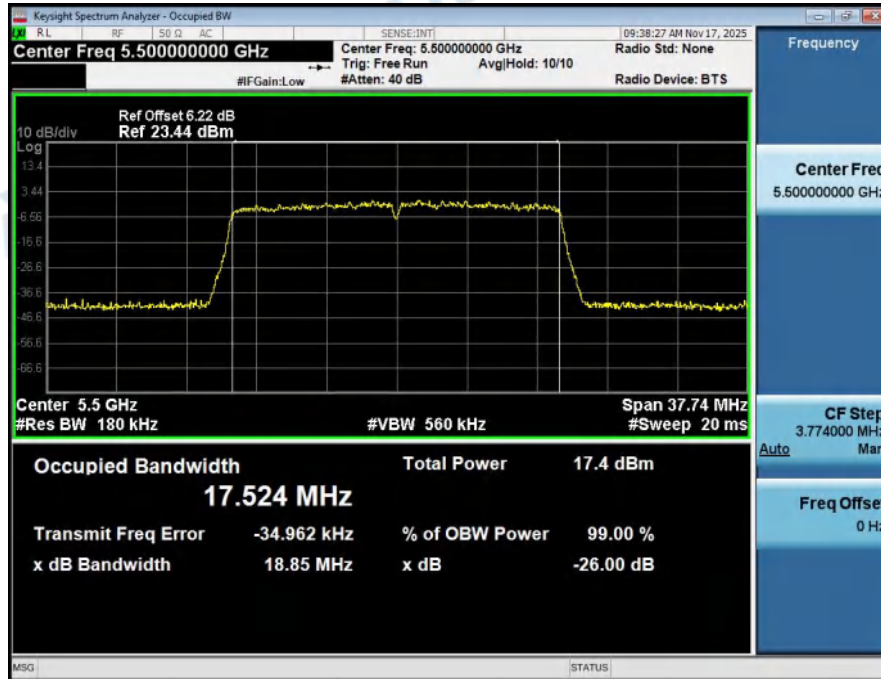
-26BW_NVNT_ANT1_802_11a_5600



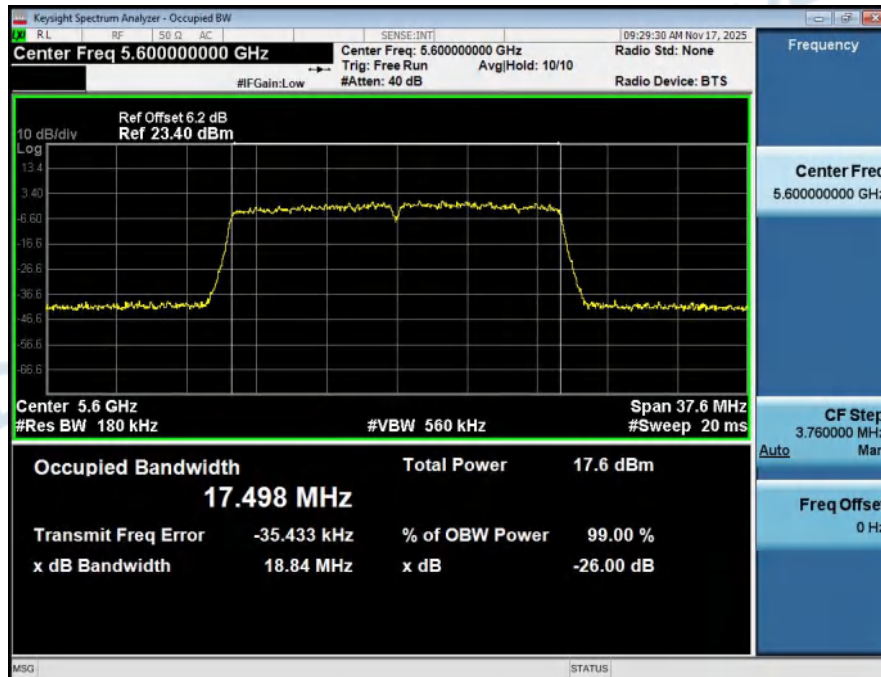
-26BW_NVNT_ANT1_802_11a_5700



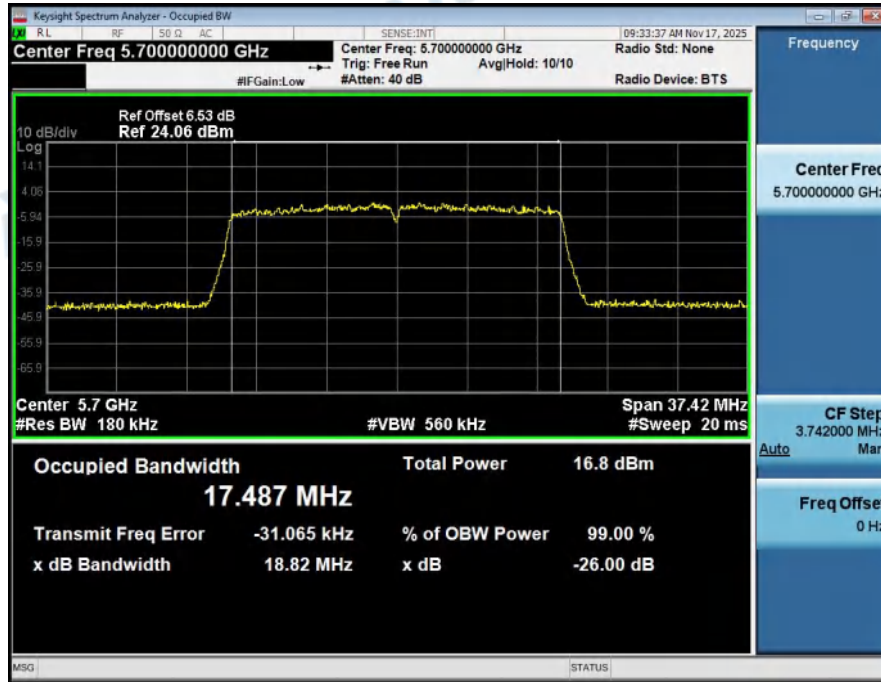
-26BW_NVNT_ANT1_802_11n(HT20)_5500



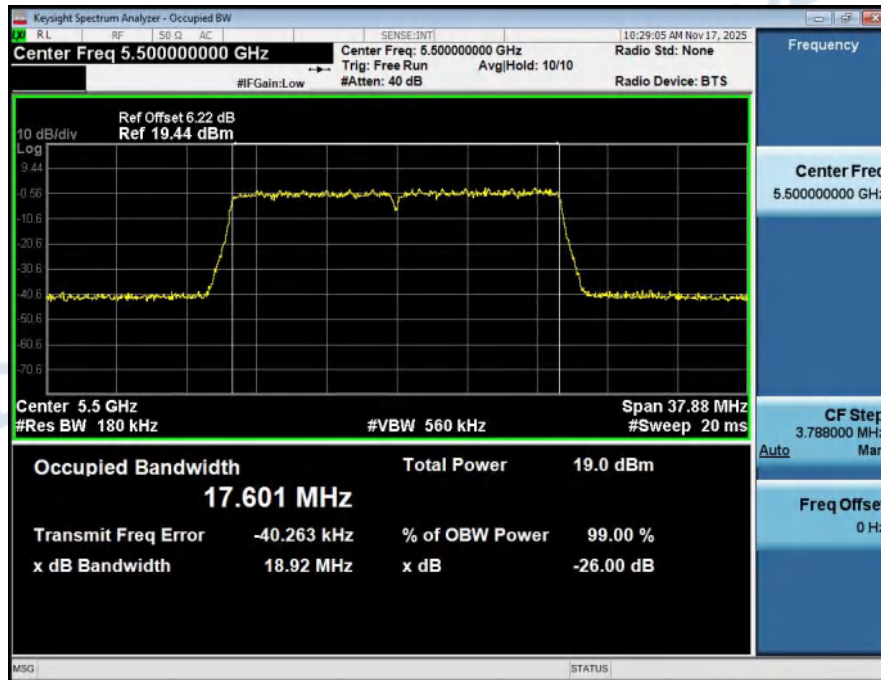
-26BW_NVNT_ANT1_802_11n(HT20)_5600



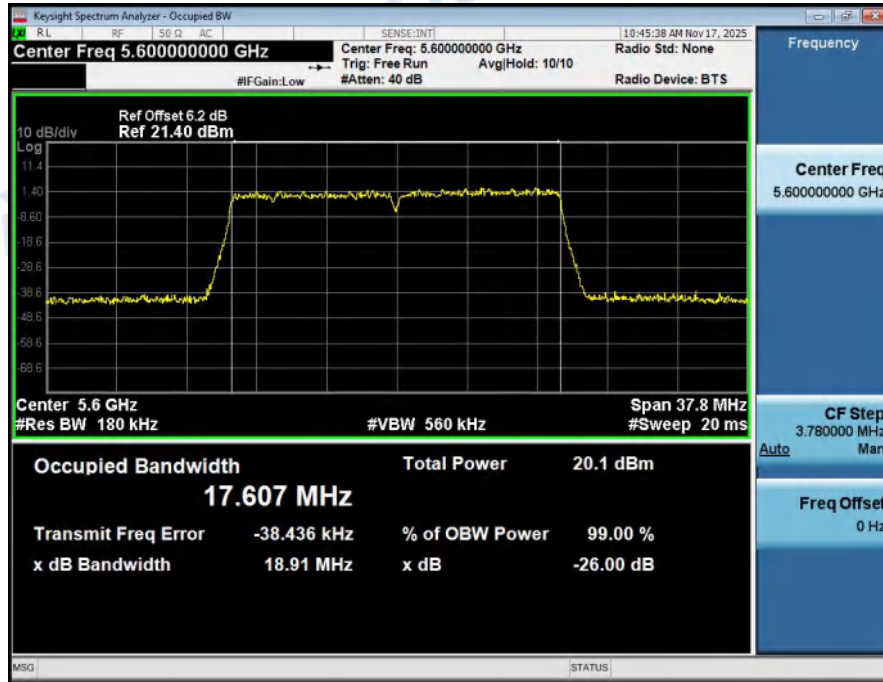
-26BW_NVNT_ANT1_802_11n(HT20)_5700



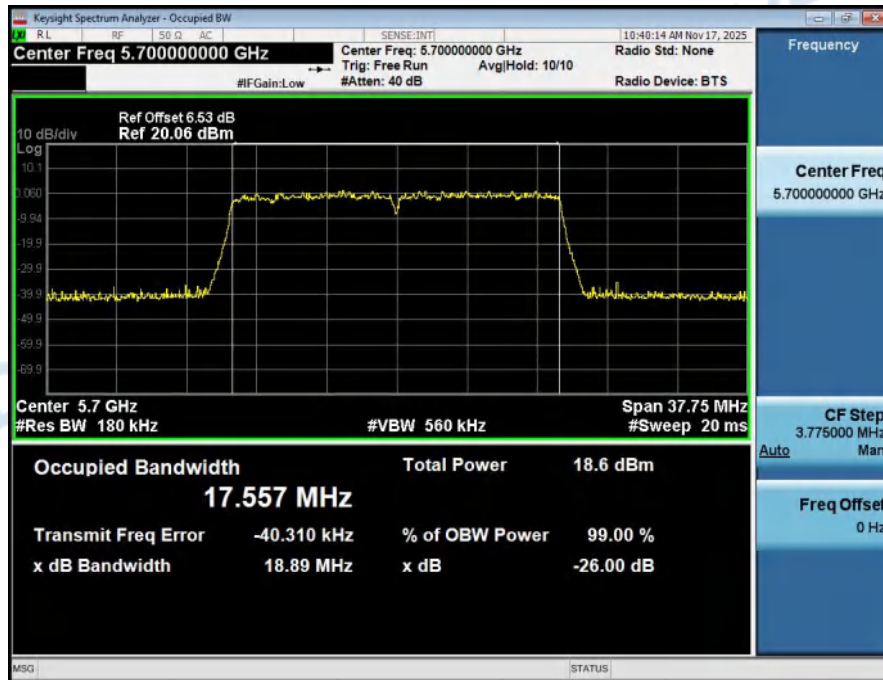
-26BW_NVNT_ANT1_802_11ac(VHT20)_5500



-26BW_NVNT_ANT1_802_11ac(VHT20)_5600



-26BW_NVNT_ANT1_802_11ac(VHT20)_5700



-26BW_NVNT_ANT1_802_11n(HT40)_5510



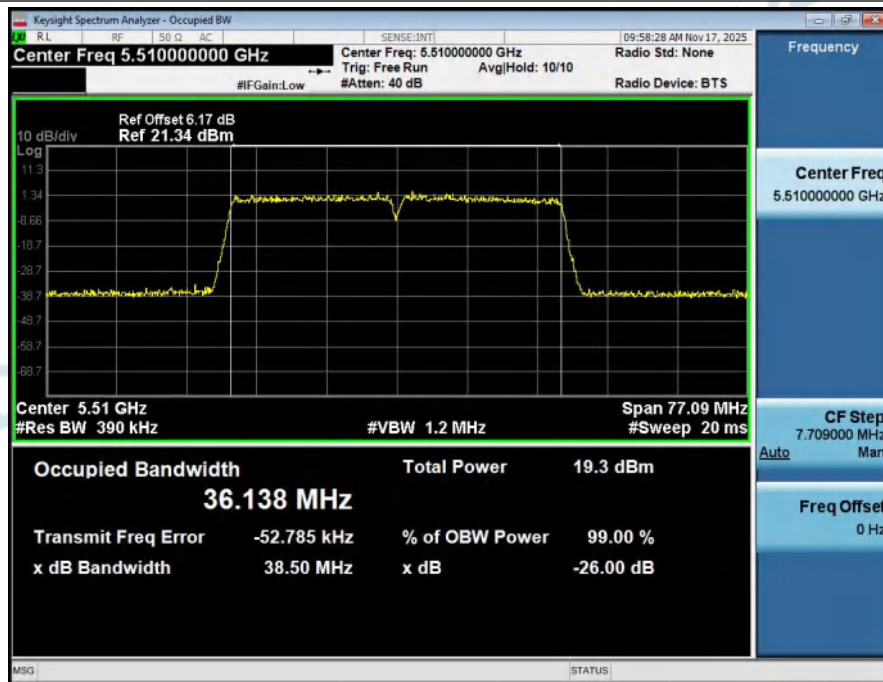
-26BW_NVNT_ANT1_802_11n(HT40)_5590



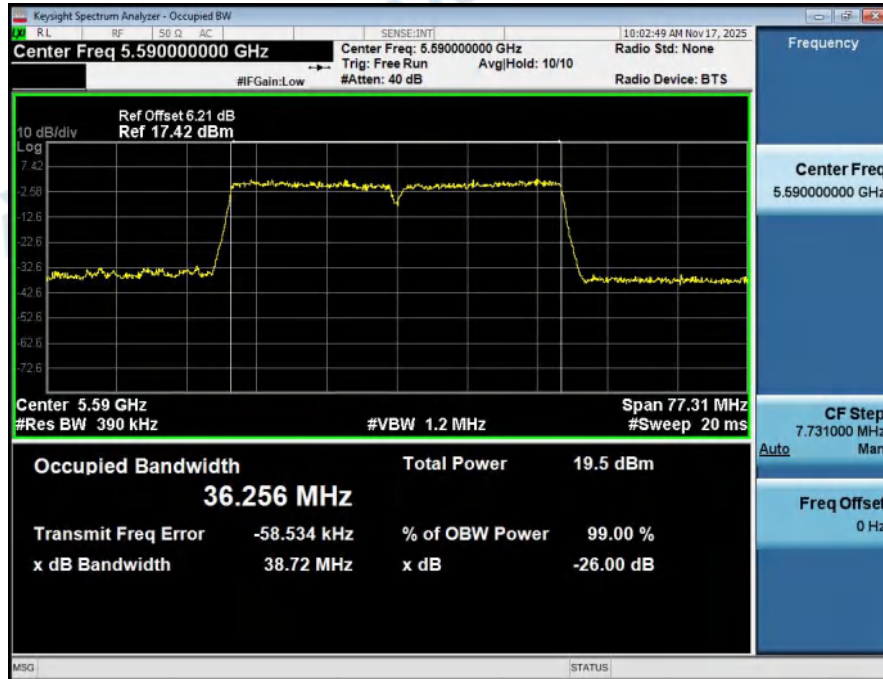
-26BW_NVNT_ANT1_802_11n(HT40)_5670



-26BW_NVNT_ANT1_802_11ac(VHT40)_5510



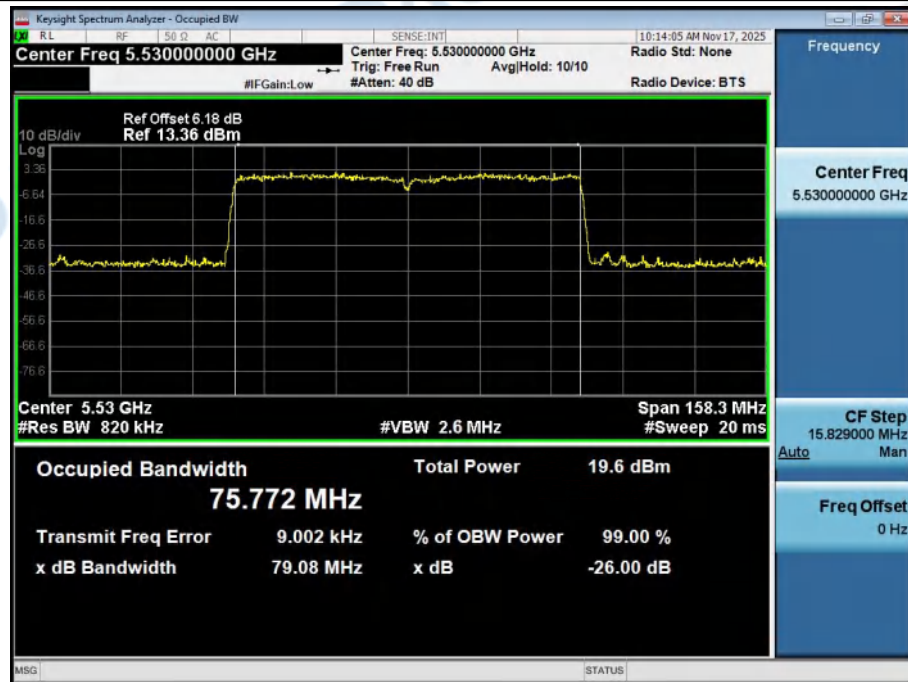
-26BW_NVNT_ANT1_802_11ac(VHT40)_5590



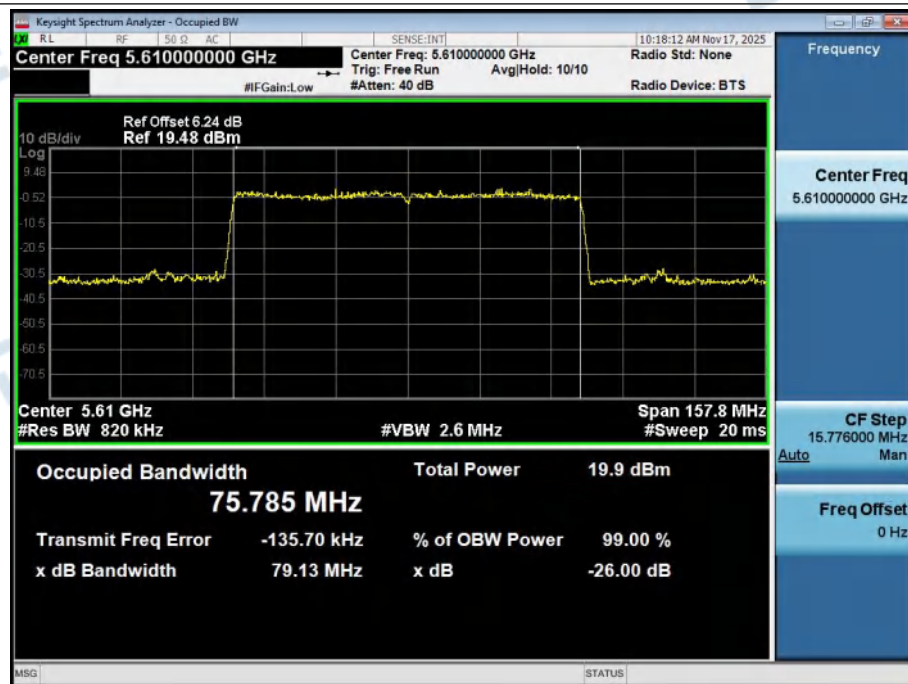
-26BW_NVNT_ANT1_802_11ac(VHT40)_5670



-26BW_NVNT_ANT1_802_11ac(VHT80)_5530



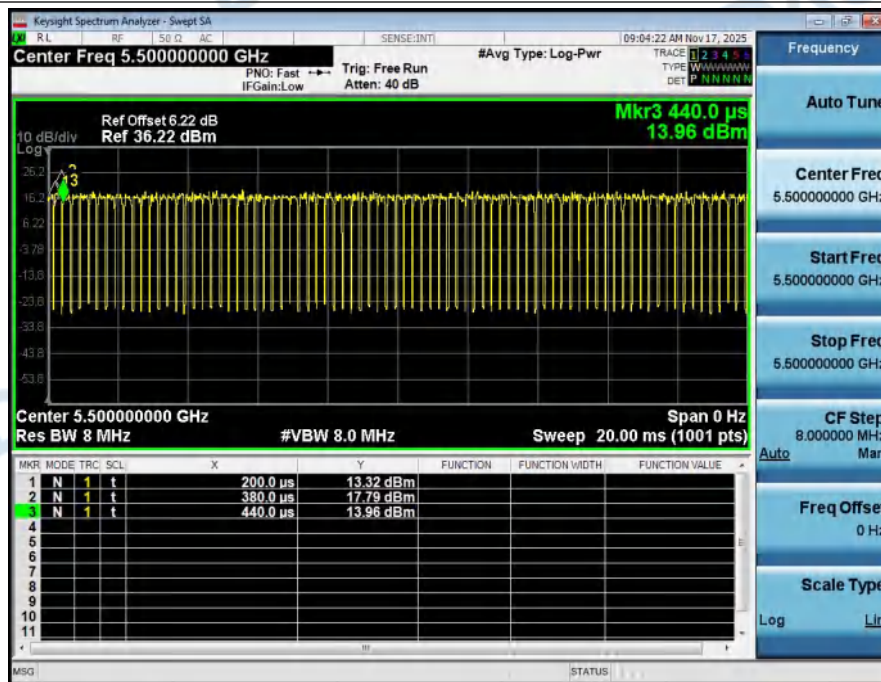
-26BW_NVNT_ANT1_802_11ac(VHT80)_5610



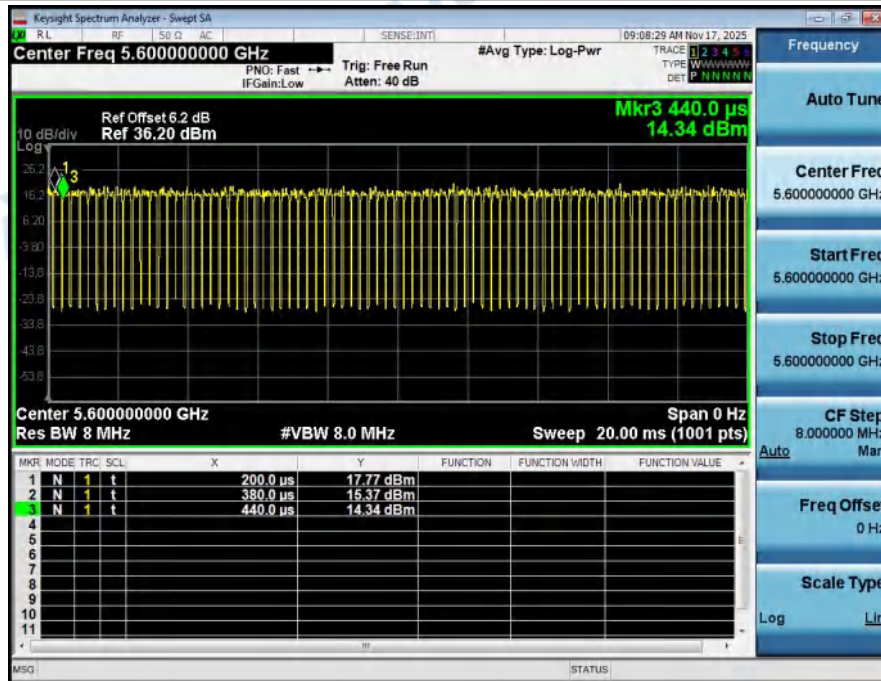
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5500.00	75.00	1.25
NVNT	ANT1	802.11a	5600.00	75.00	1.25
NVNT	ANT1	802.11a	5700.00	76.92	1.14
NVNT	ANT1	802.11n(HT20)	5500.00	72.73	1.38
NVNT	ANT1	802.11n(HT20)	5600.00	81.82	0.87
NVNT	ANT1	802.11n(HT20)	5700.00	75.00	1.25
NVNT	ANT1	802.11ac(VHT20)	5500.00	62.50	2.04
NVNT	ANT1	802.11ac(VHT20)	5600.00	62.50	2.04
NVNT	ANT1	802.11ac(VHT20)	5700.00	62.50	2.04
NVNT	ANT1	802.11n(HT40)	5510.00	62.50	2.04
NVNT	ANT1	802.11n(HT40)	5590.00	62.50	2.04
NVNT	ANT1	802.11n(HT40)	5670.00	62.50	2.04
NVNT	ANT1	802.11ac(VHT40)	5510.00	66.67	1.76
NVNT	ANT1	802.11ac(VHT40)	5590.00	66.67	1.76
NVNT	ANT1	802.11ac(VHT40)	5670.00	57.14	2.43
NVNT	ANT1	802.11ac(VHT80)	5530.00	60.00	2.22
NVNT	ANT1	802.11ac(VHT80)	5610.00	50.00	3.01

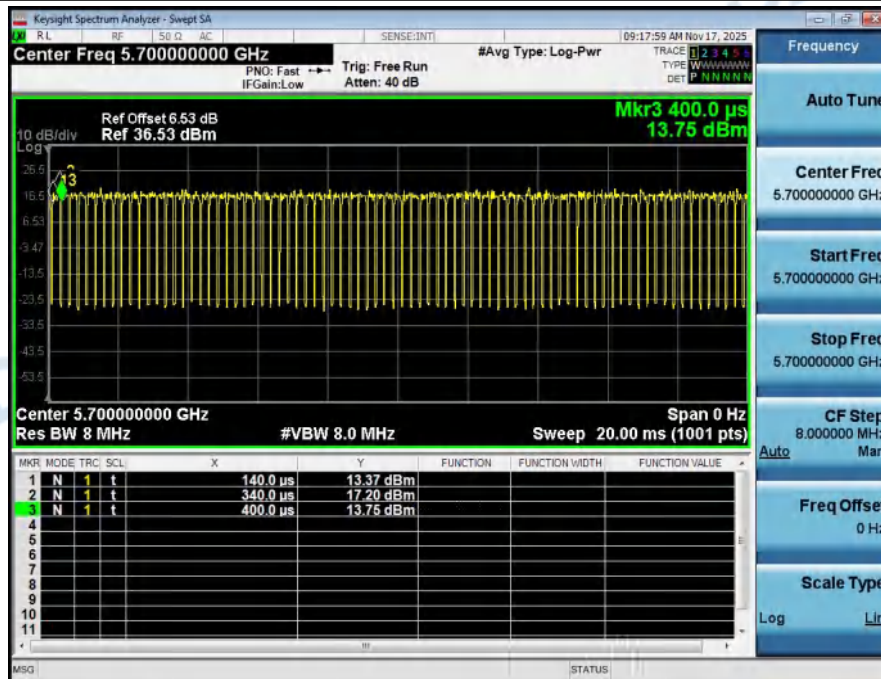
Duty_Cycle_NVNT_ANT1_802_11a_5500



Duty_Cycle_NVNT_ANT1_802_11a_5600



Duty_Cycle_NVNT_ANT1_802_11a_5700



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	10.41	1.25	11.66	24	Pass
NVNT	ANT1	802.11a	5600.00	10.67	1.25	11.92	24	Pass
NVNT	ANT1	802.11a	5700.00	9.84	1.14	10.98	24	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	8.81	1.38	10.19	24	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	9.02	0.87	9.89	24	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	8.04	1.25	9.29	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	9.95	2.04	11.99	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5600.00	10.91	2.04	12.95	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	9.30	2.04	11.34	24	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	8.32	2.04	10.36	24	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	8.24	2.04	10.28	24	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	7.26	2.04	9.30	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	9.31	1.76	11.07	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	9.58	1.76	11.34	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	8.34	2.43	10.77	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	8.47	2.22	10.69	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	9.09	3.01	12.10	24	Pass

4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	Limit (dBm/MHz)	Result
NVNT	ANT1	802.11a	5500.00	0.30	1.25	1.55	11	Pass
NVNT	ANT1	802.11a	5600.00	0.66	1.25	1.91	11	Pass
NVNT	ANT1	802.11a	5700.00	0.07	1.14	1.21	11	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	3.73	1.38	5.11	11	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	4.06	0.87	4.93	11	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	3.35	1.25	4.60	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	3.54	2.04	5.58	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5600.00	3.77	2.04	5.81	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	3.24	2.04	5.28	11	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	3.43	2.04	5.47	11	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	3.72	2.04	5.76	11	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	0.42	2.04	2.46	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	1.09	1.76	2.85	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	1.44	1.76	3.20	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	-0.00	2.43	2.43	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	-2.40	2.22	-0.18	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	-1.77	3.01	1.24	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5500



Power_Spectral_Density_NVNT_ANT1_802_11a_5600



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_11ac(VHT20)_5500



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5600



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

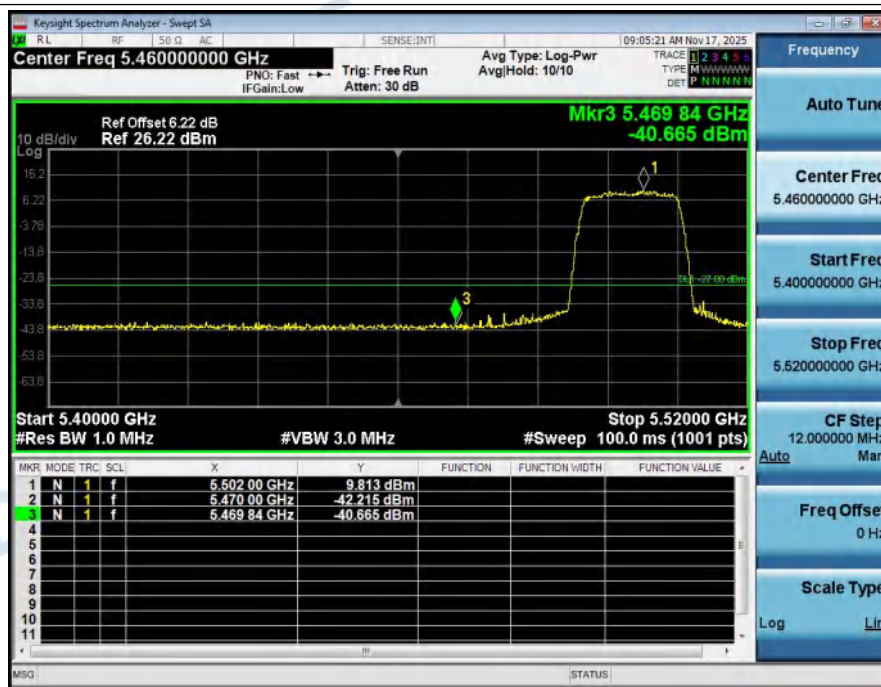


5. Bandedge

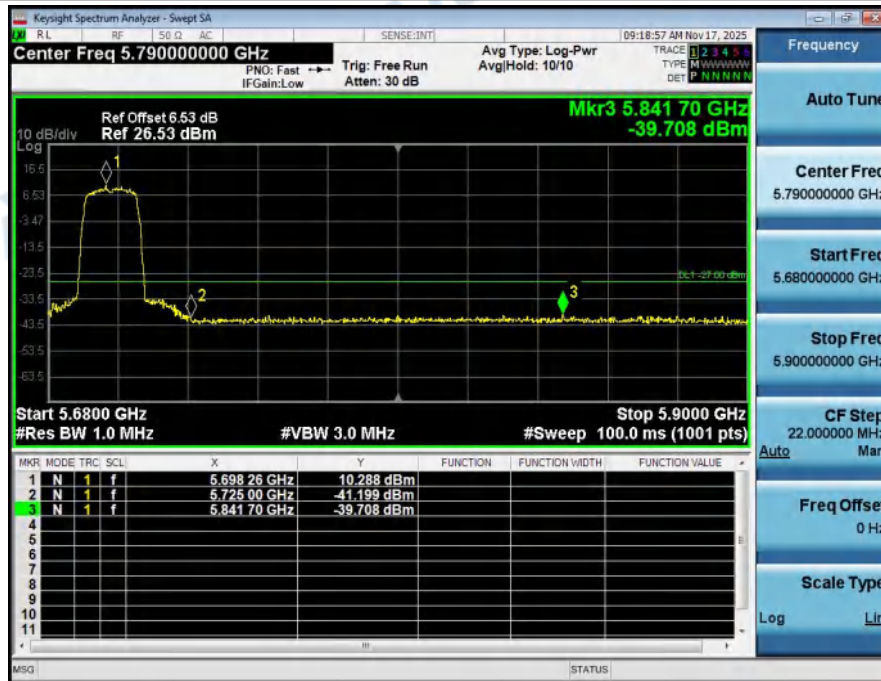
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level (dBm/MHz)	Limit (dBm/MHz)	Result
NVNT	ANT1	802.11a	5500.00	5469.84	-40.67	-27	Pass
NVNT	ANT1	802.11a	5700.00	5841.70	-39.71	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	5466.36	-40.77	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	5821.46	-39.52	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	5465.76	-40.75	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	5728.40	-32.82	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	5469.15	-40.73	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	5758.25	-40.01	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	5469.45	-37.05	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	5725.04	-38.58	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	5453.55	-32.91	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	5765.75	-39.57	-27	Pass

Note: The test data did not compensate for the antenna gain. The test margin is greater than the sum of the antenna gain and the cable loss, therefore the test meets the requirements.

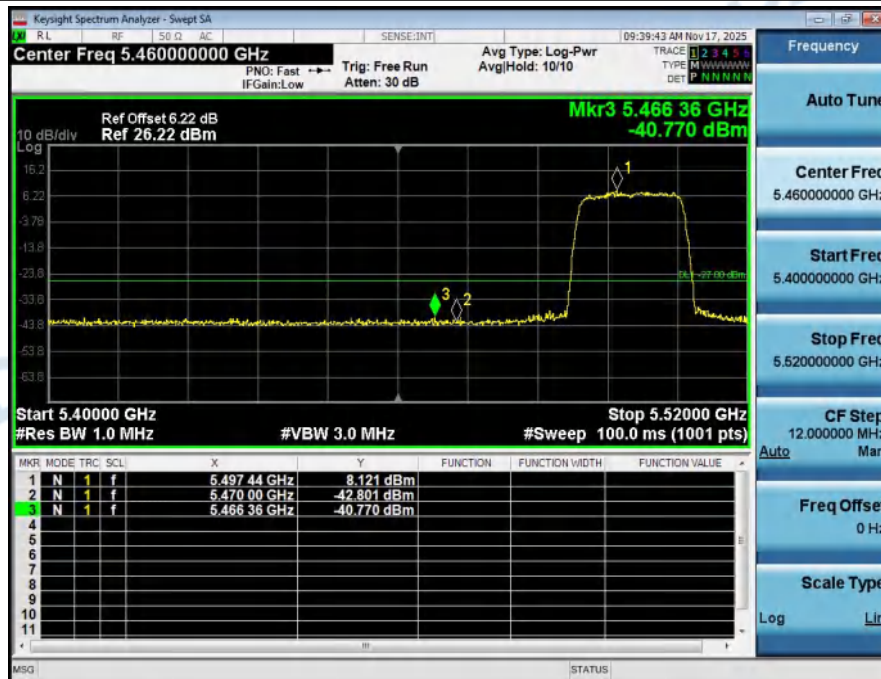
Bandedge_NVNT_ANT1_802_11a_5500



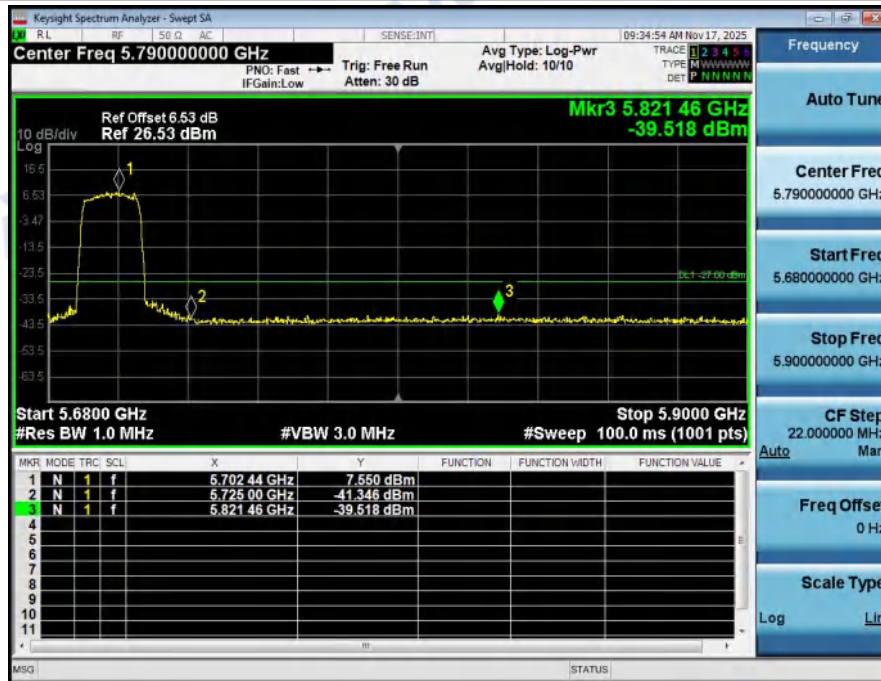
Bandedge_NVNT_ANT1_802_11a_5700



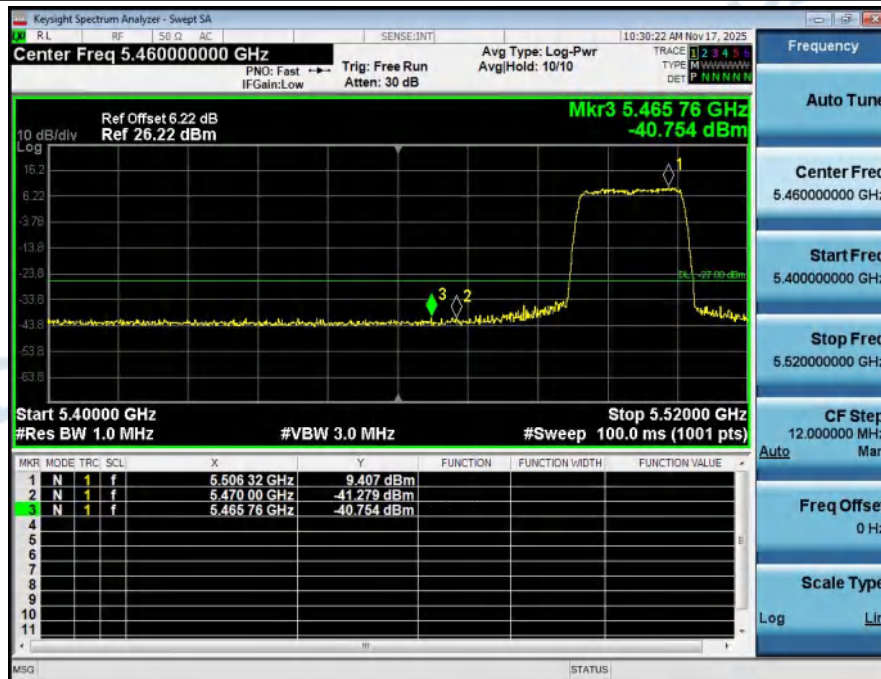
Bandedge_NVNT_ANT1_802_11n(HT20)_5500



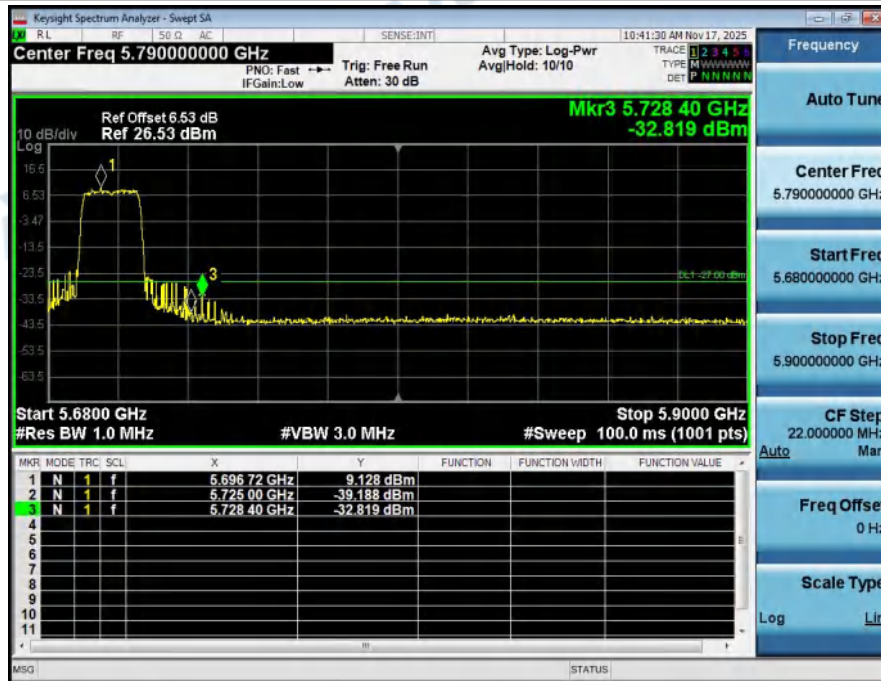
Bandedge_NVNT_ANT1_802_11n(HT20)_5700



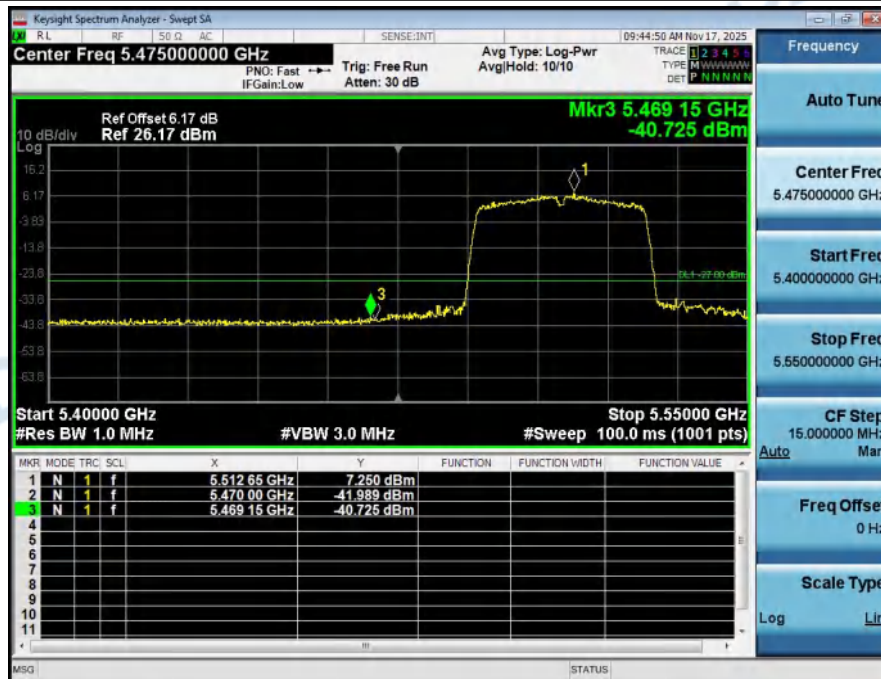
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5500



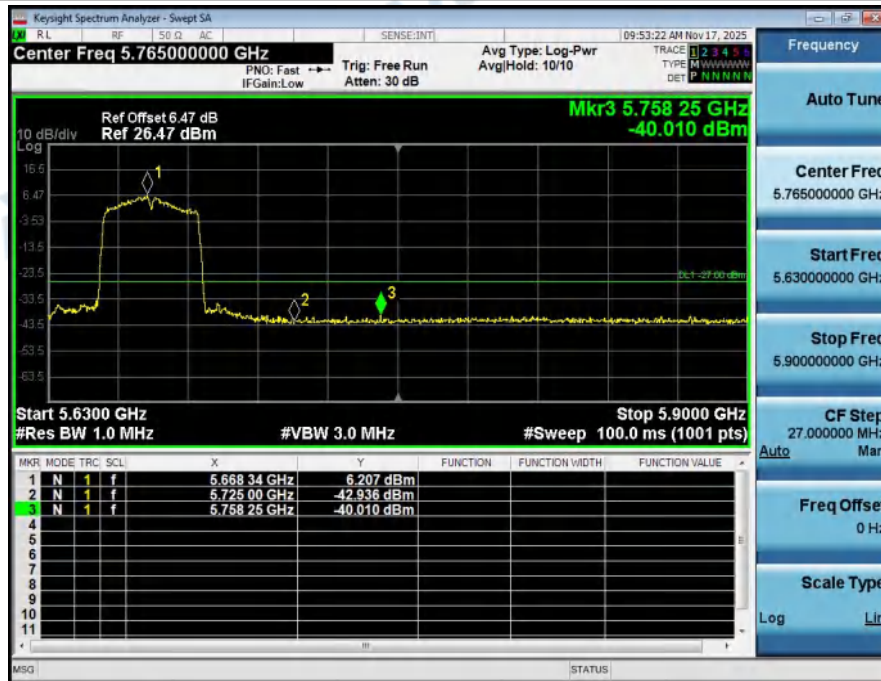
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5700



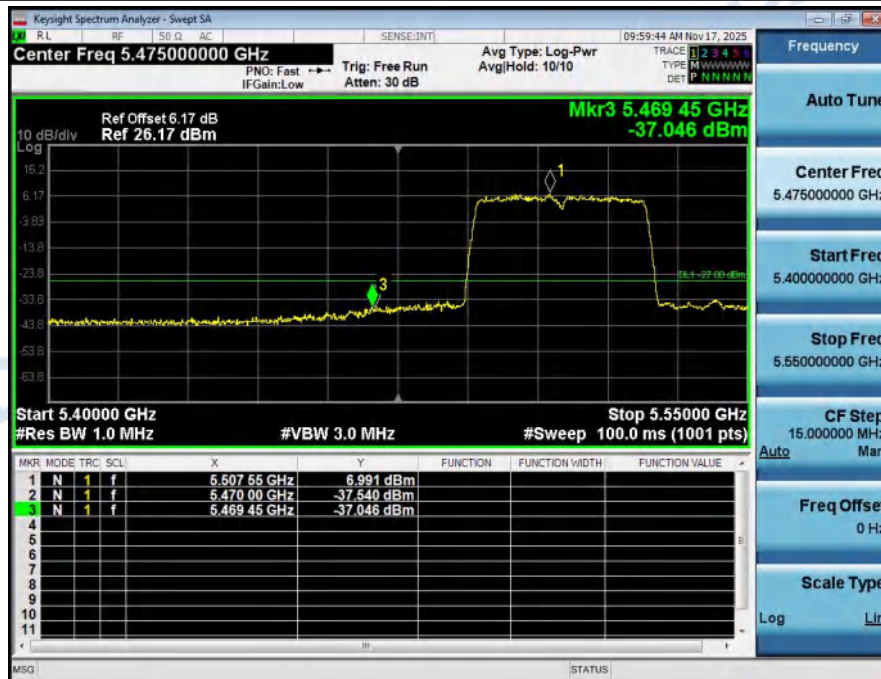
Bandedge_NVNT_ANT1_802_11n(HT40)_5510



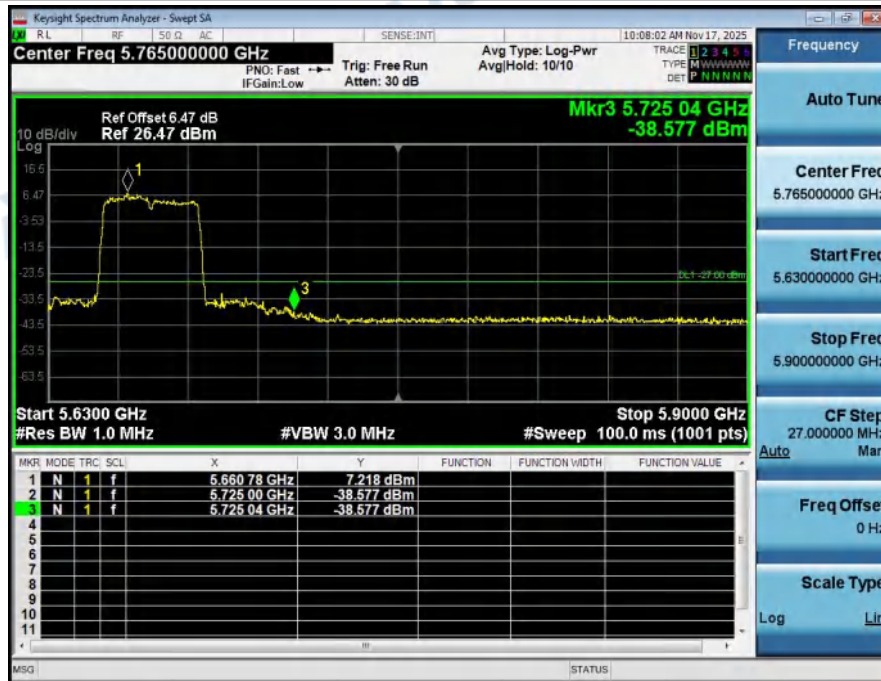
Bandedge_NVNT_ANT1_802_11n(HT40)_5670



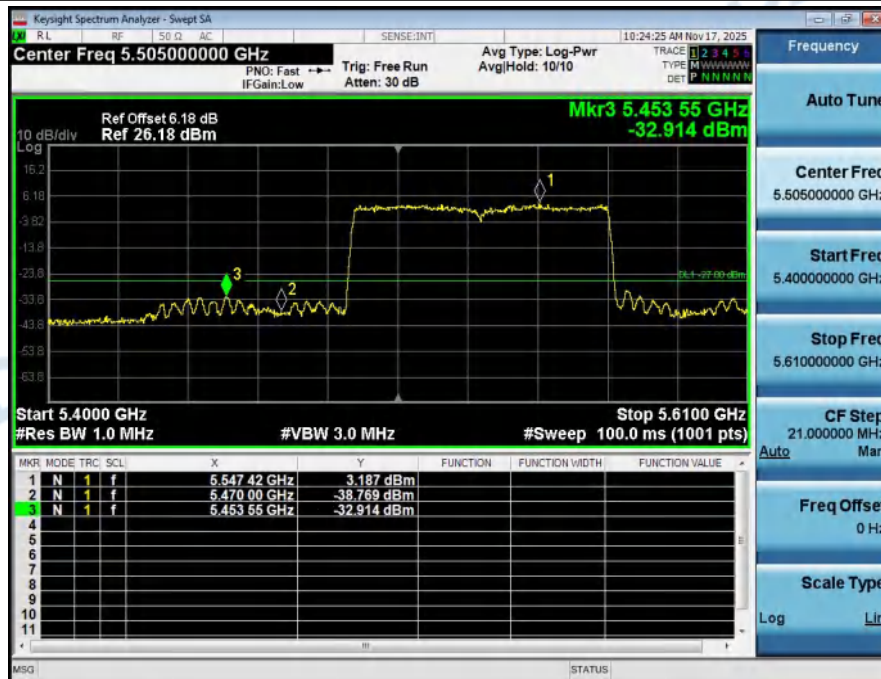
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5510



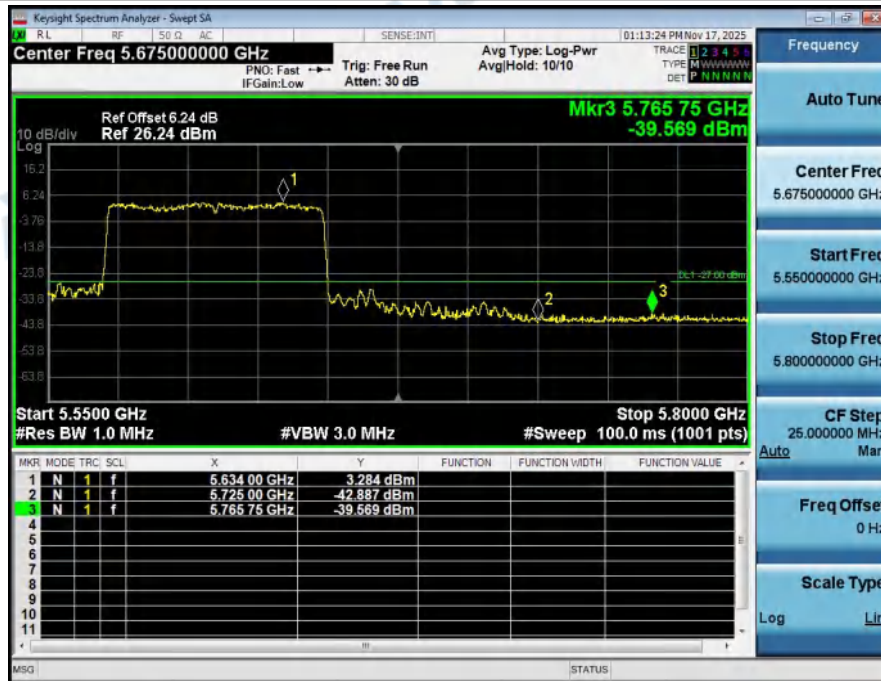
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5670



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5530



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5610

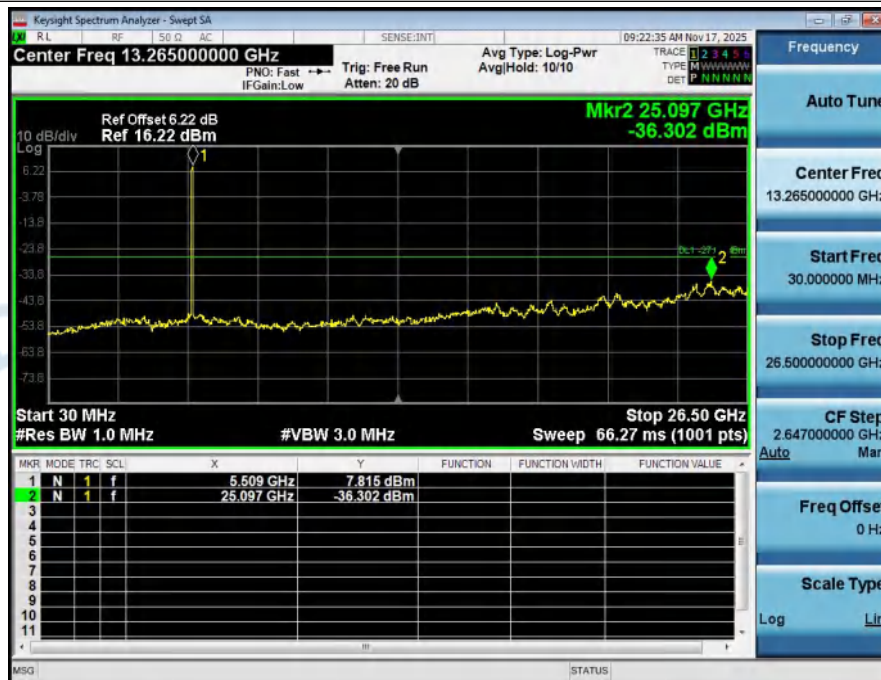


6. Spurious Emission

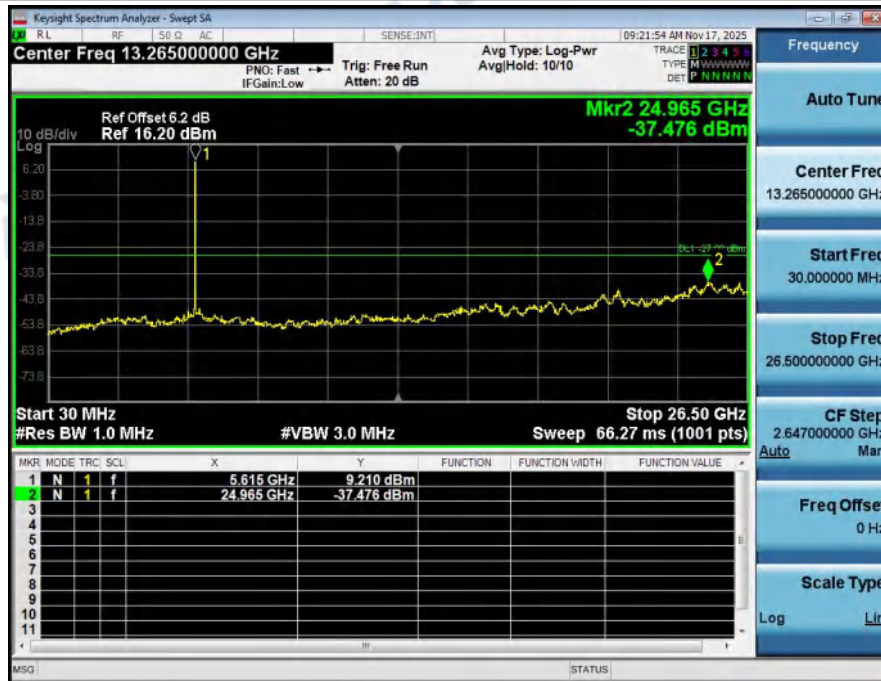
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level (dBm/MHz)	Limit (dBm/MHz)	Result
NVNT	ANT1	802.11a	5500.00	25097.09	-36.30	-27	Pass
NVNT	ANT1	802.11a	5600.00	24964.74	-37.48	-27	Pass
NVNT	ANT1	802.11a	5700.00	24991.21	-37.11	-27	Pass
NVNT	ANT1	802.11n(HT20)	5500.00	25017.68	-36.29	-27	Pass
NVNT	ANT1	802.11n(HT20)	5600.00	25097.09	-36.59	-27	Pass
NVNT	ANT1	802.11n(HT20)	5700.00	25097.09	-37.11	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5500.00	24488.28	-37.78	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5600.00	25044.15	-36.49	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5700.00	24991.21	-27.46	-27	Pass
NVNT	ANT1	802.11n(HT40)	5510.00	25044.15	-36.94	-27	Pass
NVNT	ANT1	802.11n(HT40)	5590.00	25097.09	-37.13	-27	Pass
NVNT	ANT1	802.11n(HT40)	5670.00	25017.68	-36.56	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5510.00	25070.62	-37.20	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5590.00	25044.15	-27.69	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5670.00	25044.15	-36.69	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5530.00	25097.09	-37.16	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5610.00	25044.15	-27.30	-27	Pass

Note: The test data did not compensate for the antenna gain. The test margin is greater than the sum of the antenna gain and the cable loss, therefore the test meets the requirements.

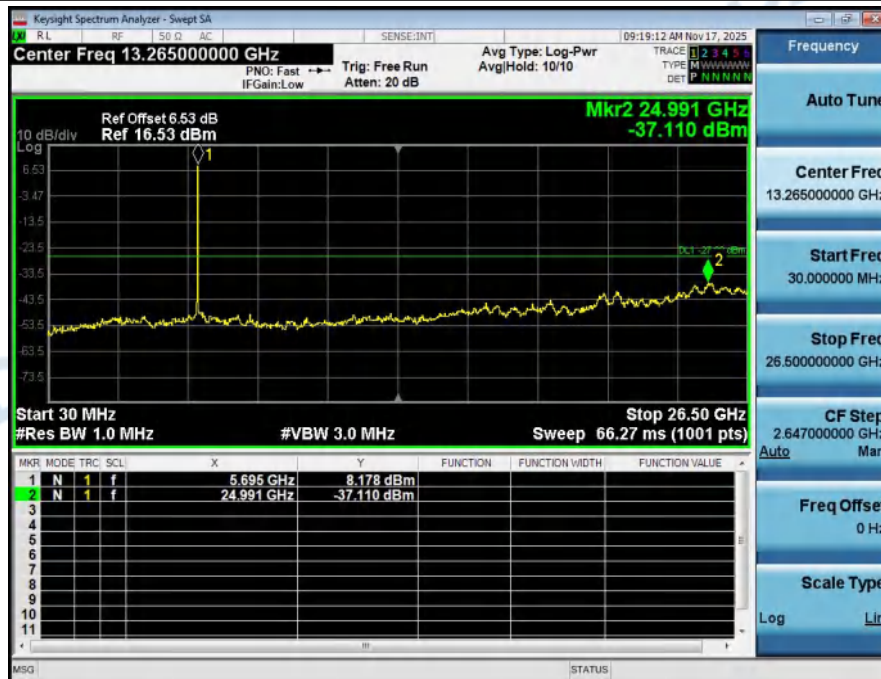
Spurious_Emission_NVNT_ANT1_802_11a_5500



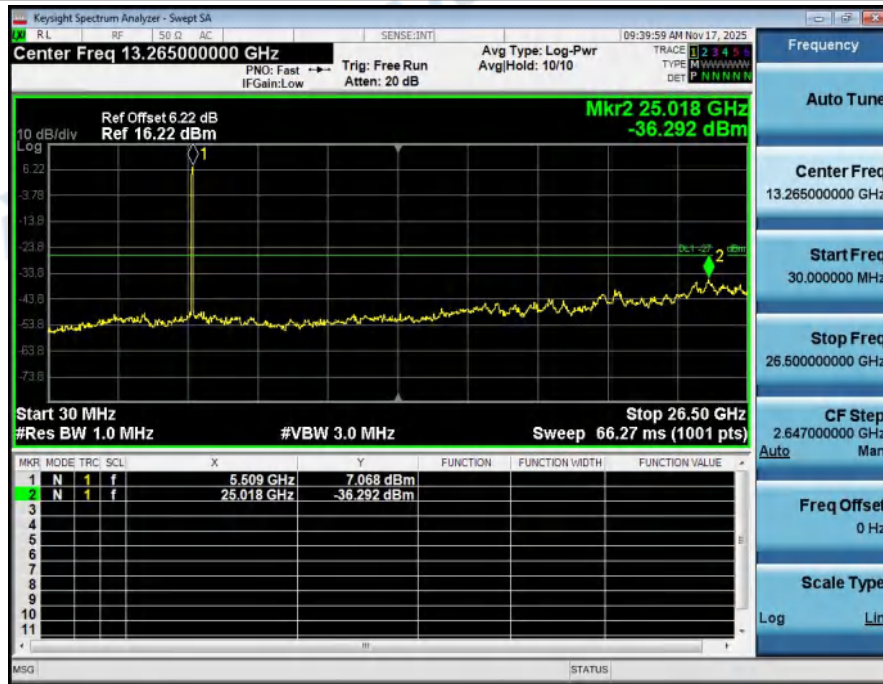
Spurious_Emission_NVNT_ANT1_802_11a_5600



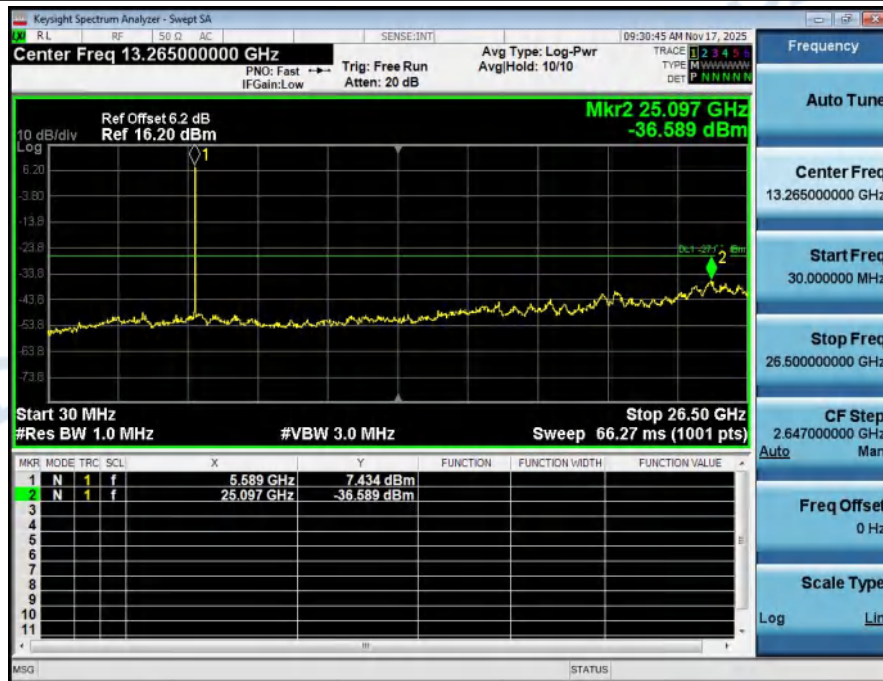
Spurious_Emission_NVNT_ANT1_802_11a_5700



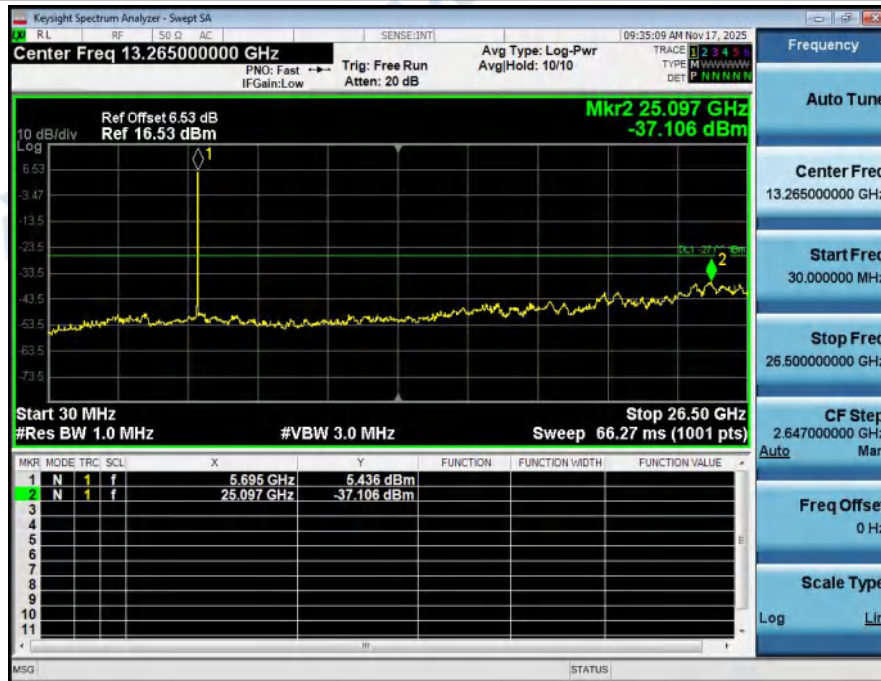
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5500



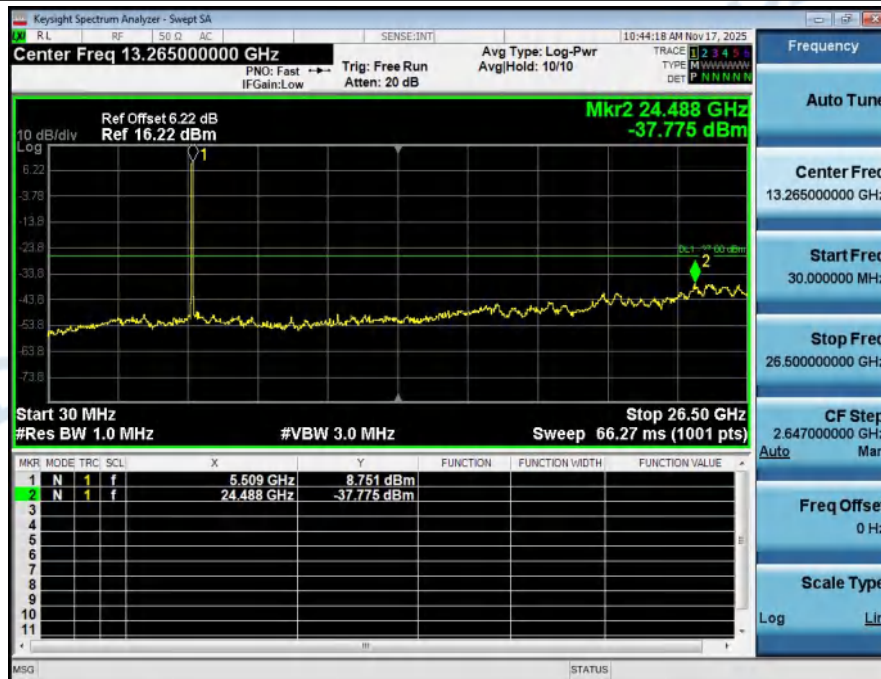
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5600



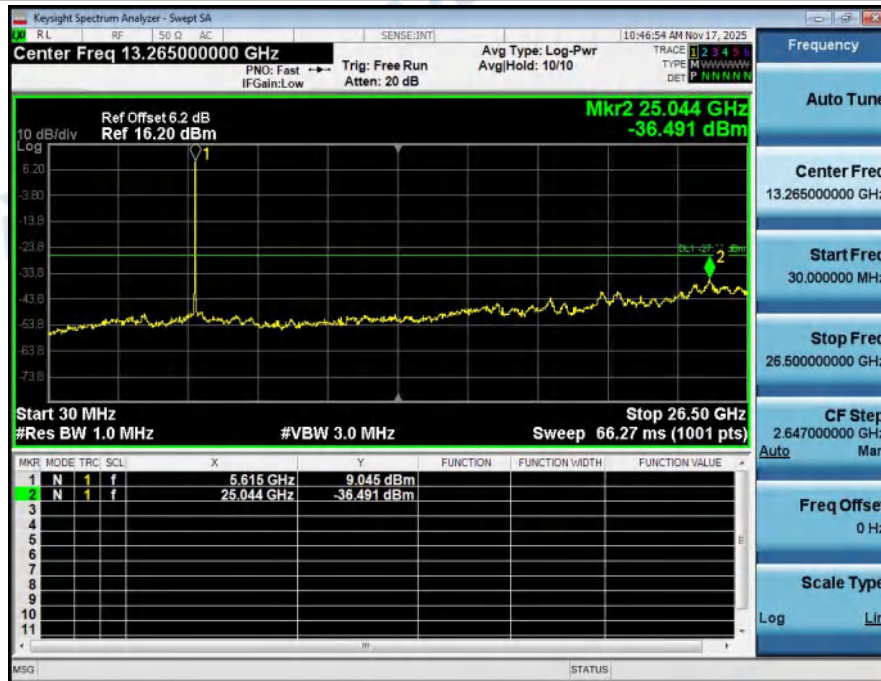
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5700



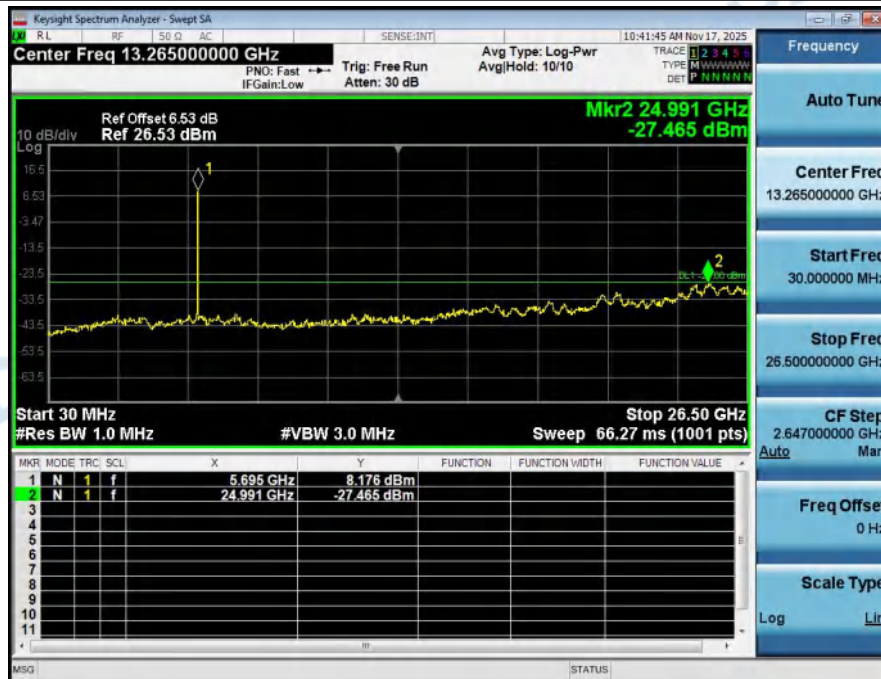
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5500



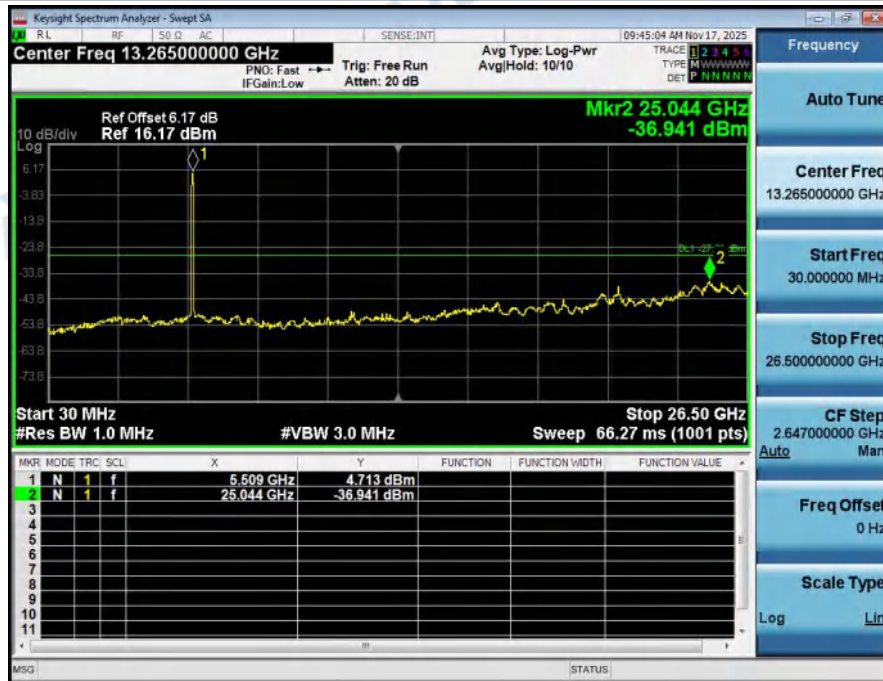
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5600



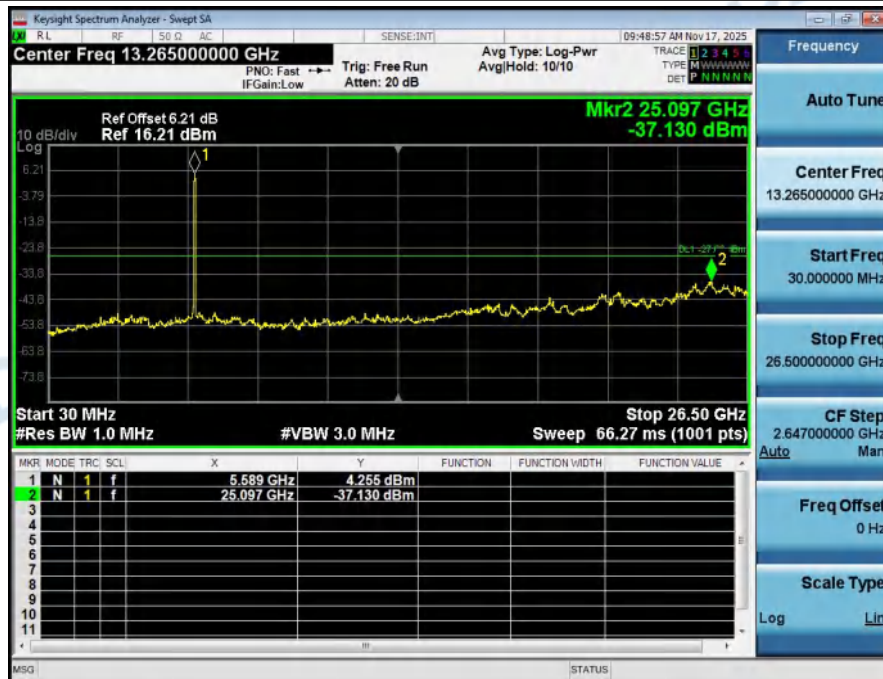
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5700



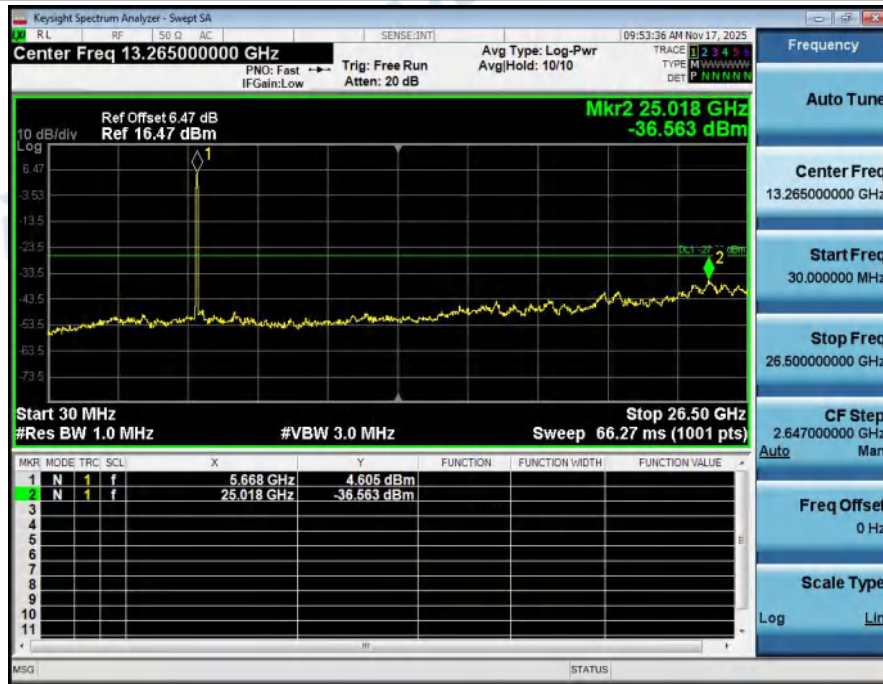
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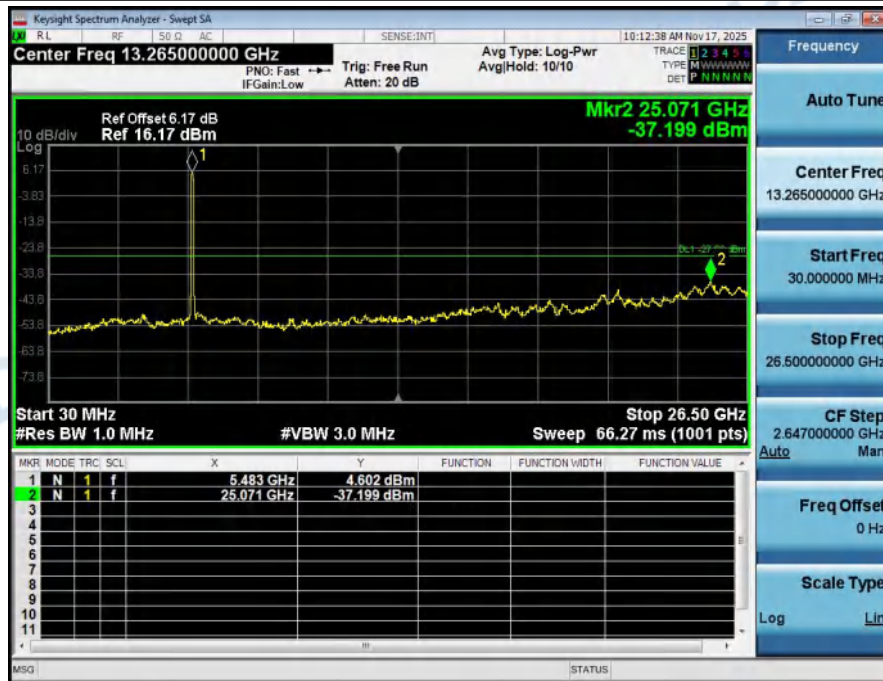
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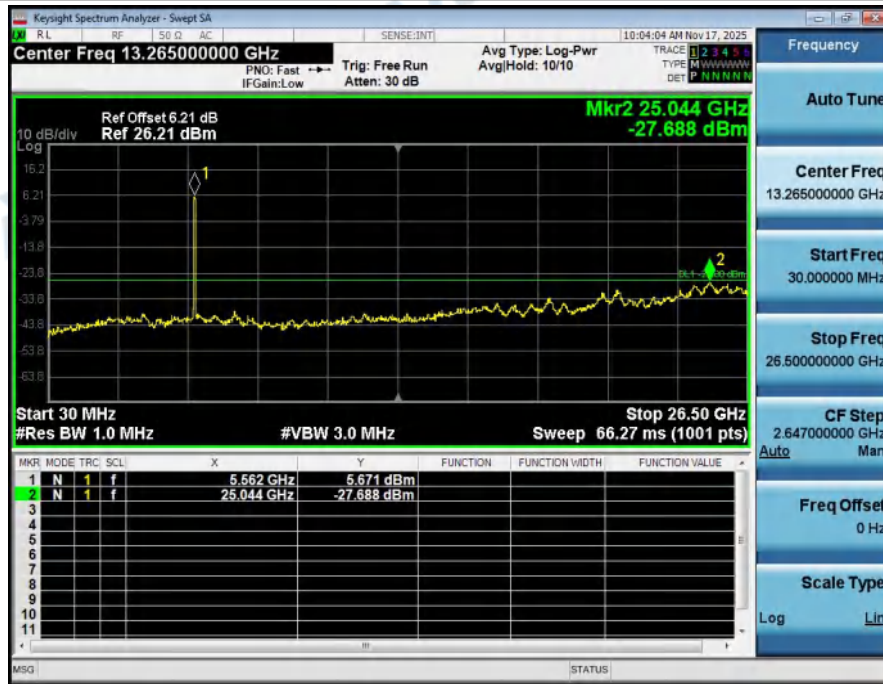
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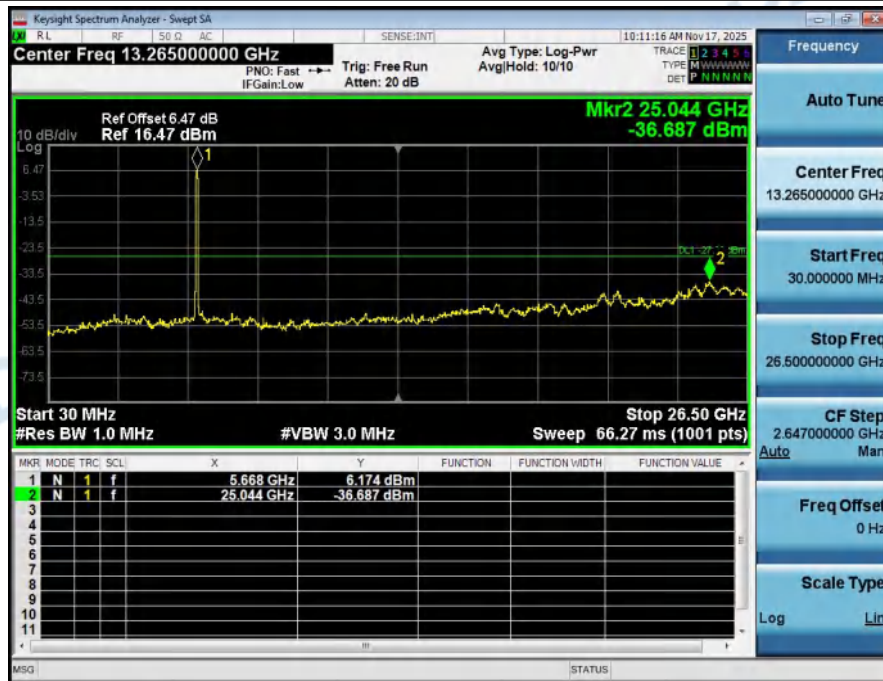
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5510



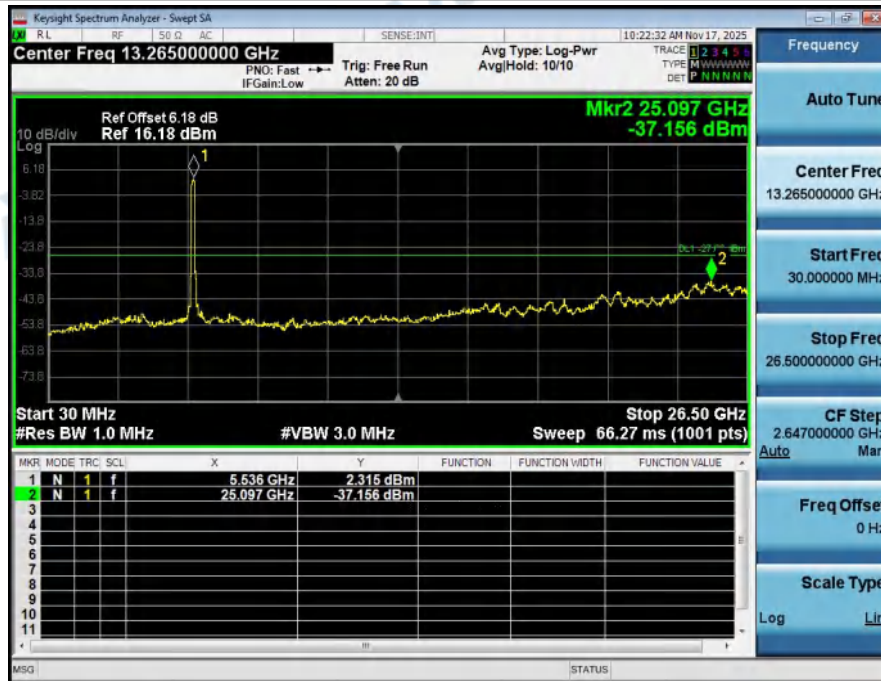
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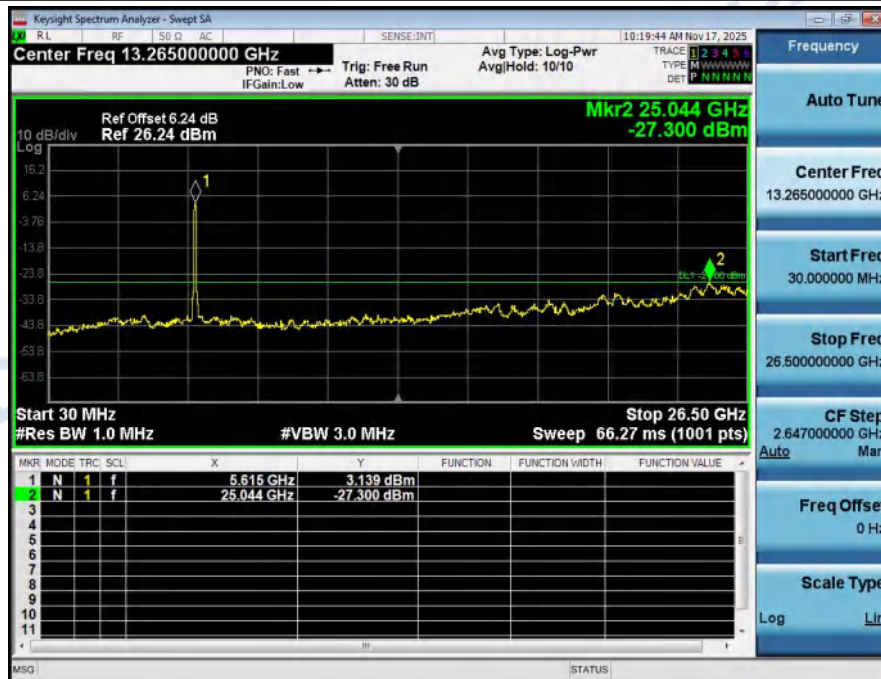
Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5670



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
55degrees C&&3.80V	ANT1	802.11a	5500.00	5499.952	5491.608	5508.296	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5500.00	5499.944	5491.724	5508.164	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5500.00	5499.958	5491.812	5508.104	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5500.00	5499.964	5491.896	5508.032	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5500.00	5499.974	5491.948	5508.000	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5500.00	5499.978	5492.008	5507.948	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5500.00	5499.980	5492.068	5507.892	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5500.00	5499.964	5492.120	5507.808	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5500.00	5499.986	5492.168	5507.804	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5500.00	5499.972	5492.216	5507.728	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5500.00	5499.990	5492.272	5507.708	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11a	5600.00	5599.956	5591.624	5608.288	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5600.00	5599.974	5591.756	5608.192	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5600.00	5599.972	5591.836	5608.108	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5600.00	5599.988	5591.928	5608.048	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5600.00	5599.992	5591.996	5607.988	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5600.00	5600.028	5592.076	5607.980	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5600.00	5600.030	5592.132	5607.928	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5600.00	5600.018	5592.200	5607.836	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5600.00	5600.018	5592.252	5607.784	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5600.00	5600.050	5592.328	5607.772	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5600.00	5600.054	5592.388	5607.720	5470~5725	Pass
55degrees C&&3.80V	ANT1	802.11a	5700.00	5699.968	5691.652	5708.284	5470~5725	Pass
45degrees C&&3.80V	ANT1	802.11a	5700.00	5699.976	5691.800	5708.152	5470~5725	Pass
35degrees C&&3.80V	ANT1	802.11a	5700.00	5699.992	5691.880	5708.104	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5700.00	5699.976	5691.936	5708.016	5470~5725	Pass
15degrees C&&3.80V	ANT1	802.11a	5700.00	5699.982	5691.992	5707.972	5470~5725	Pass
5degrees C&&3.80V	ANT1	802.11a	5700.00	5699.988	5692.060	5707.916	5470~5725	Pass
-5degrees C&&3.80V	ANT1	802.11a	5700.00	5699.984	5692.120	5707.848	5470~5725	Pass
-15degrees C&&3.80V	ANT1	802.11a	5700.00	5700.002	5692.200	5707.804	5470~5725	Pass
25degrees C&&4.37V	ANT1	802.11a	5700.00	5700.010	5692.256	5707.764	5470~5725	Pass
25degrees C&&3.80V	ANT1	802.11a	5700.00	5700.032	5692.316	5707.748	5470~5725	Pass
25degrees C&&3.23V	ANT1	802.11a	5700.00	5700.024	5692.380	5707.668	5470~5725	Pass

***** End of Report *****