

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	-13.99	1.76	-12.23	11	Pass
NVNT	ANT1	802.11a	5200.00	-13.75	2.43	-11.32	11	Pass
NVNT	ANT1	802.11a	5240.00	-17.20	2.22	-14.98	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-18.82	2.60	-16.22	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-19.78	2.14	-17.64	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-14.01	3.20	-10.81	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-0.56	0.31	-0.25	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-3.05	0.43	-2.62	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-3.04	0.35	-2.69	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-33.77	3.31	-30.46	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-8.62	0.82	-7.80	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-11.23	0.82	-10.41	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-10.97	0.68	-10.29	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-19.23	1.15	-18.08	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5180



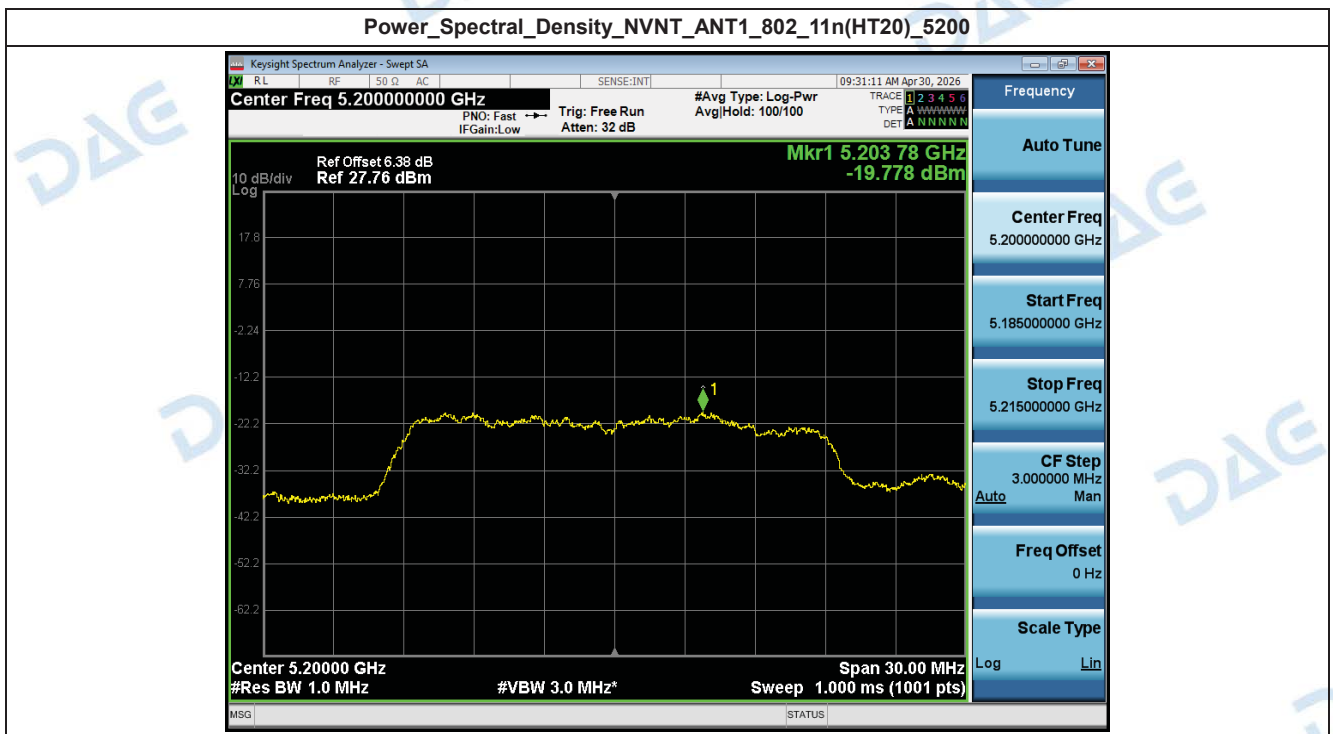
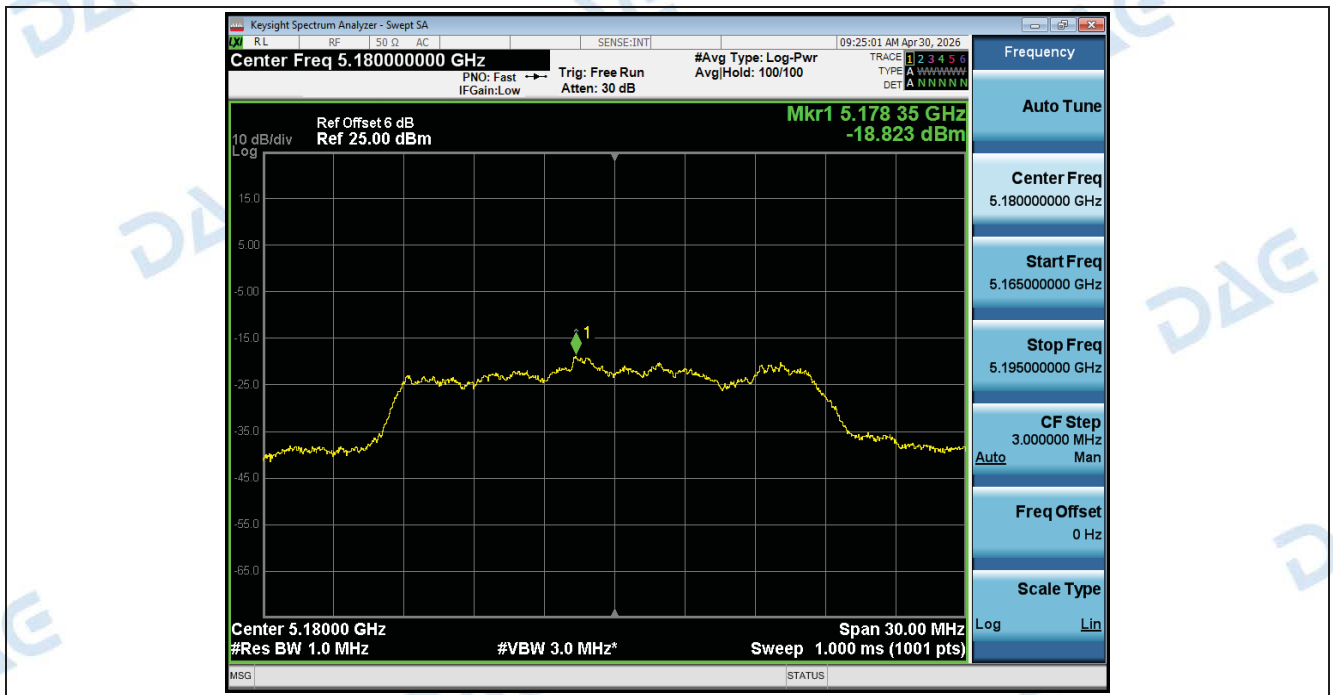
Power_Spectral_Density_NVNT_ANT1_802_11a_5200



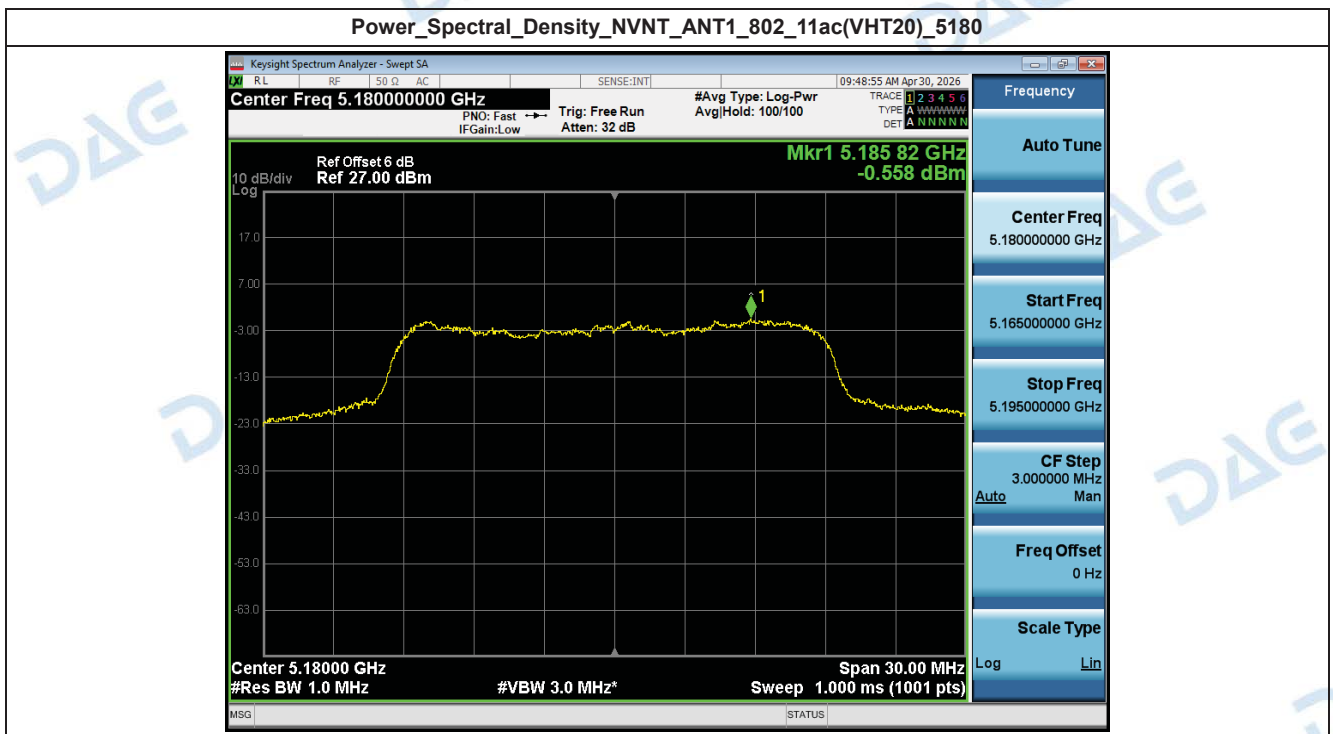
Power_Spectral_Density_NVNT_ANT1_802_11a_5240



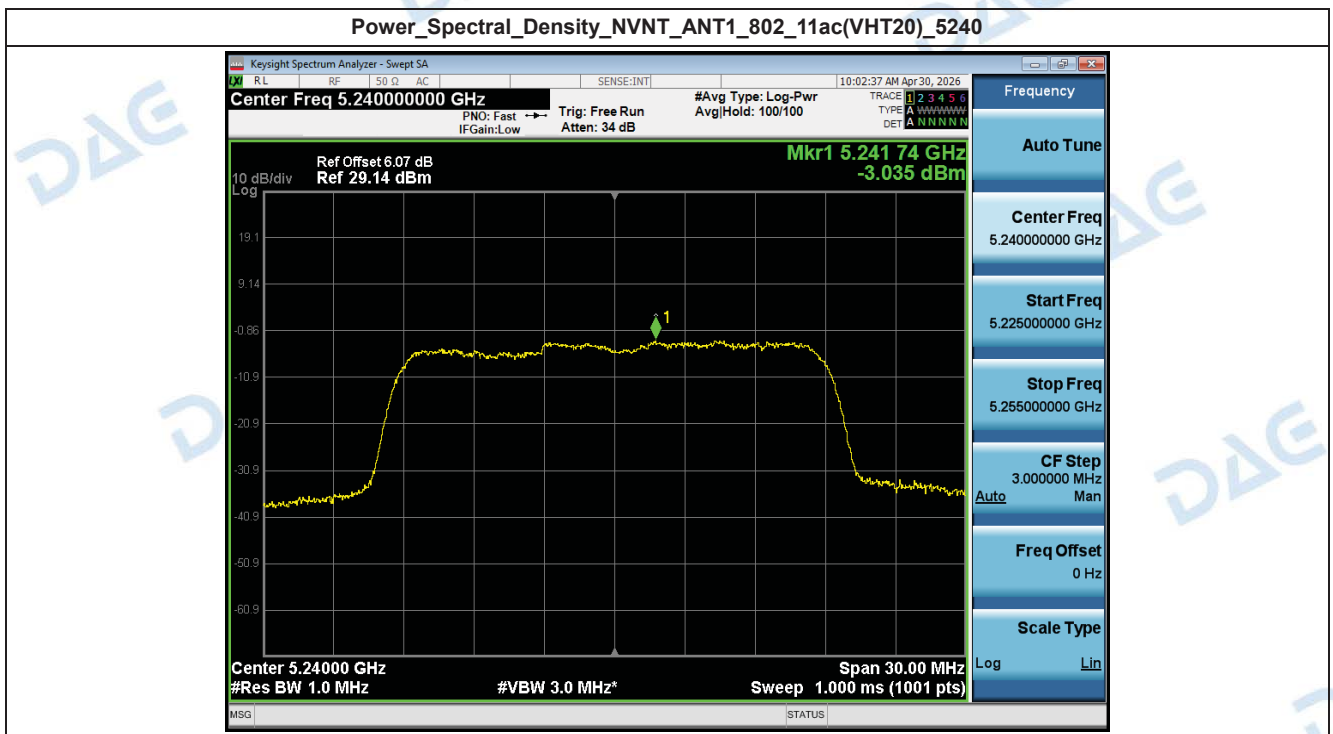
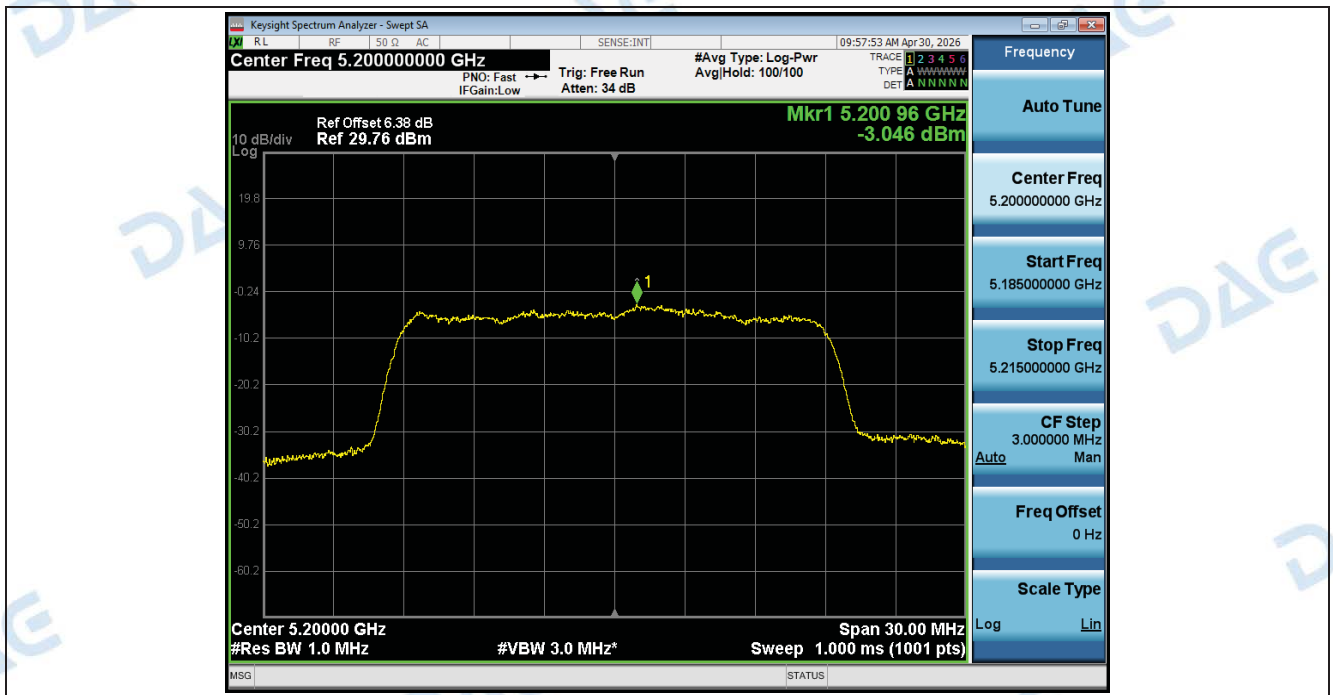
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5180



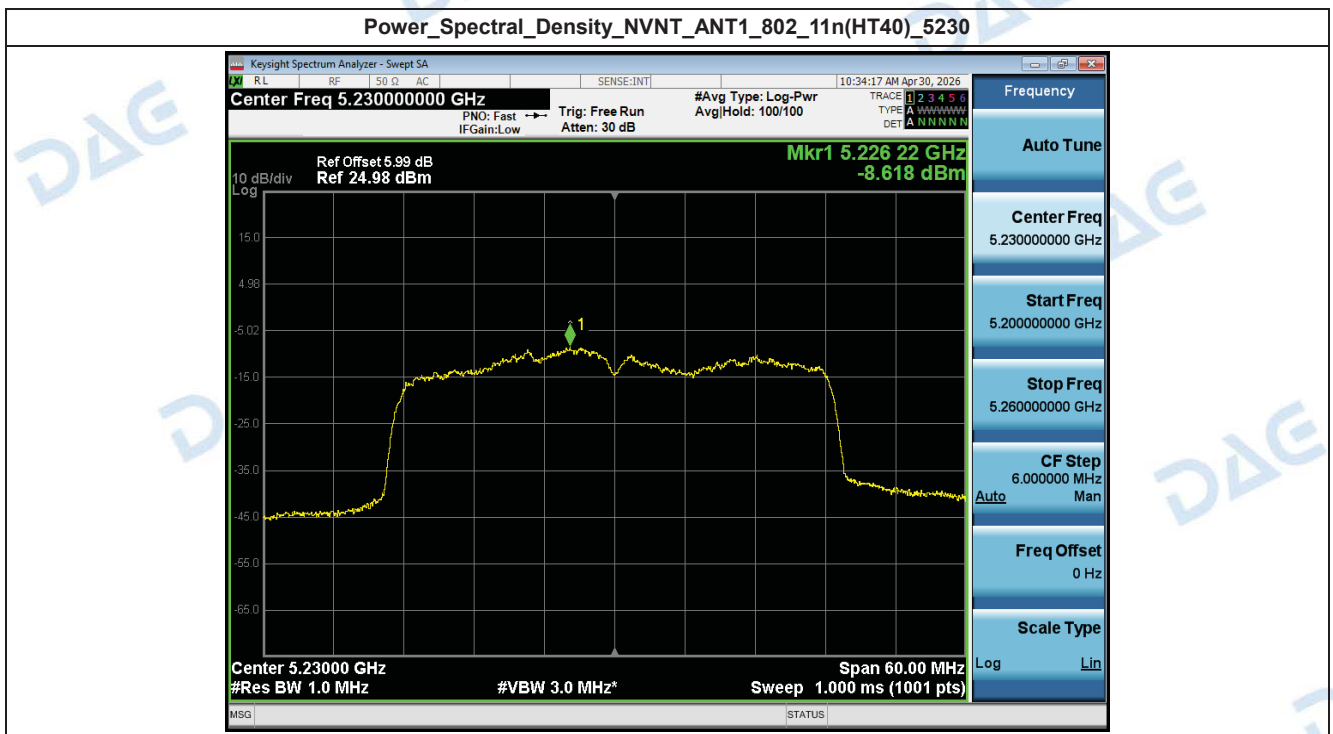
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5240

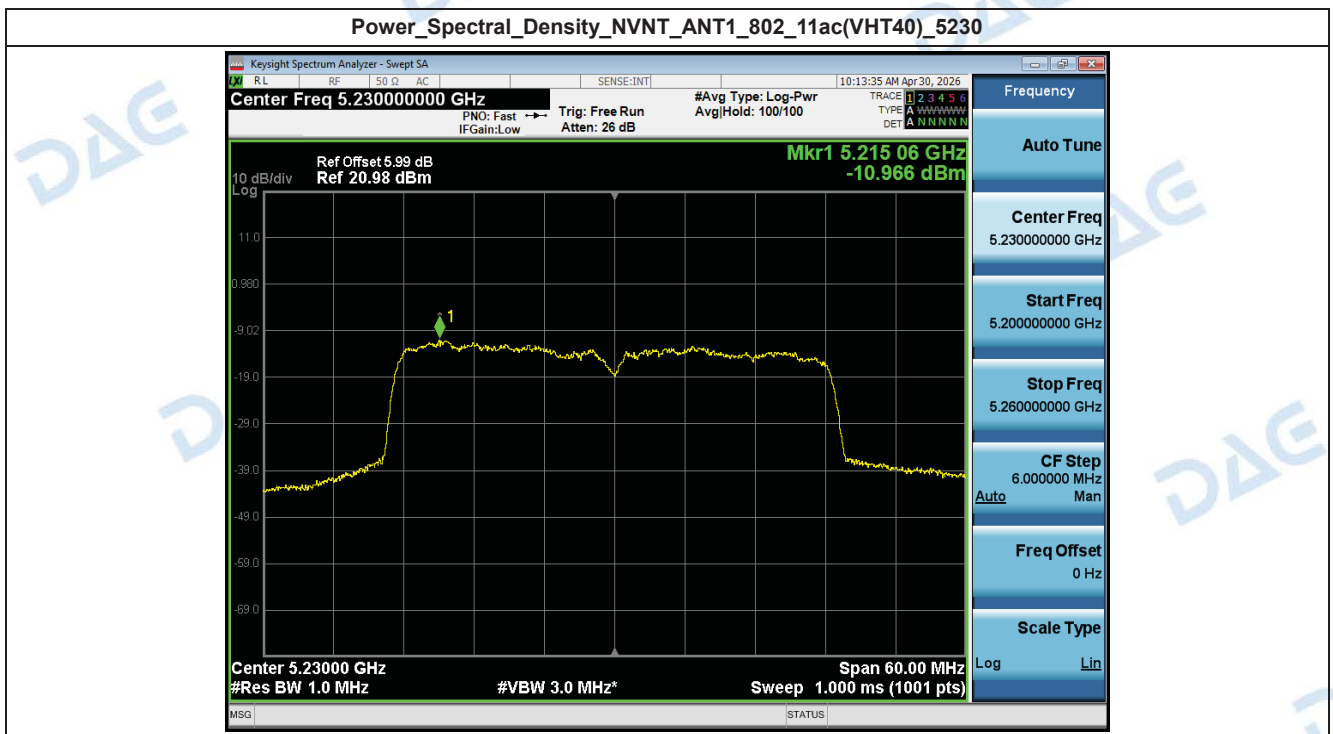
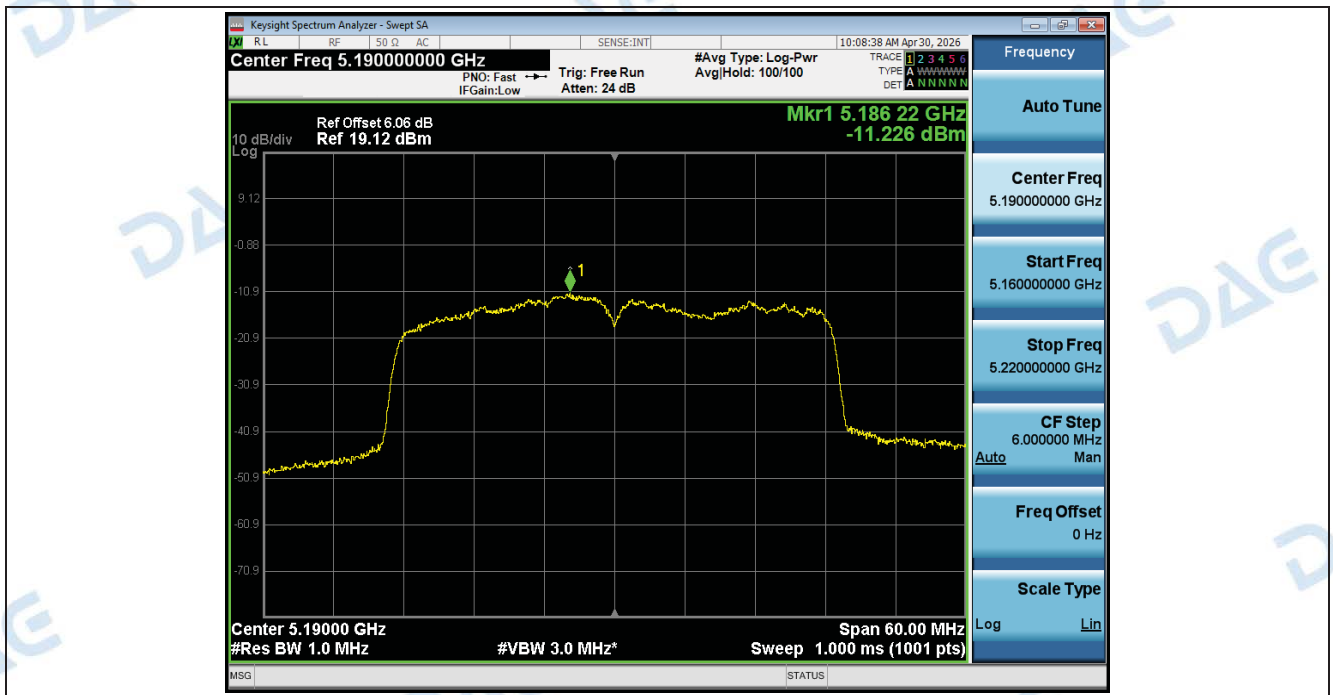


Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200

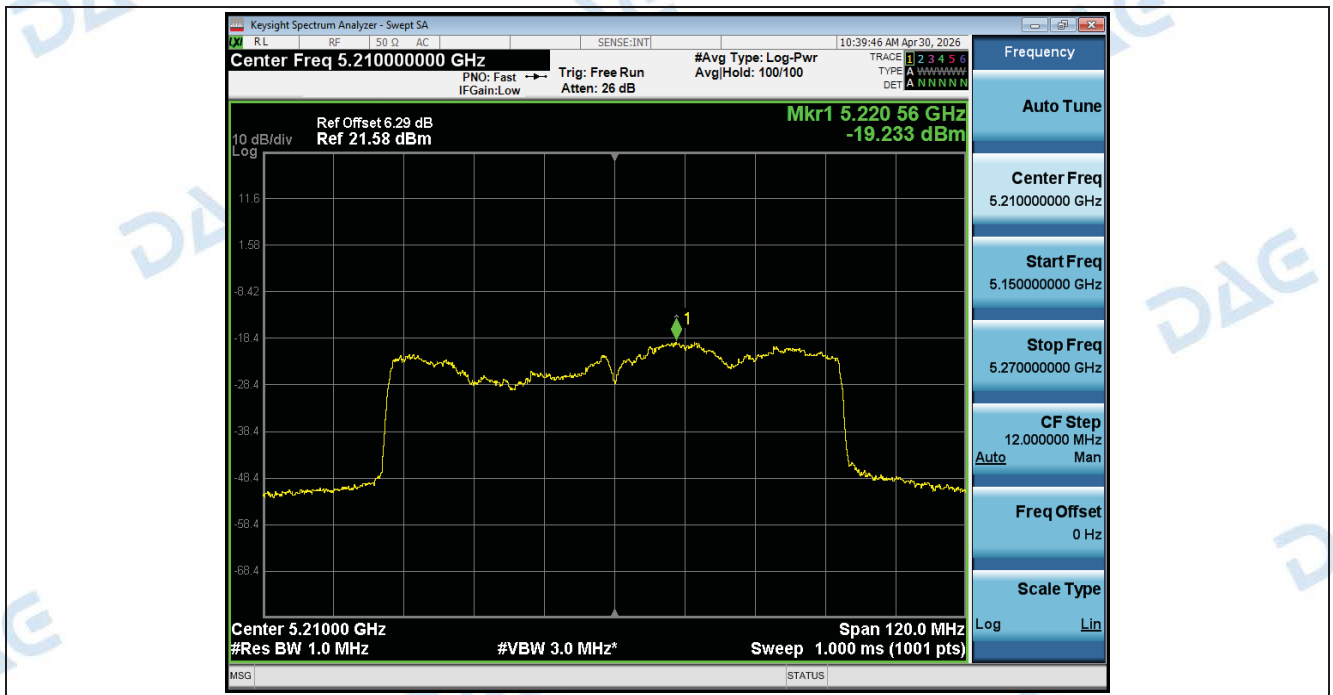


Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5190





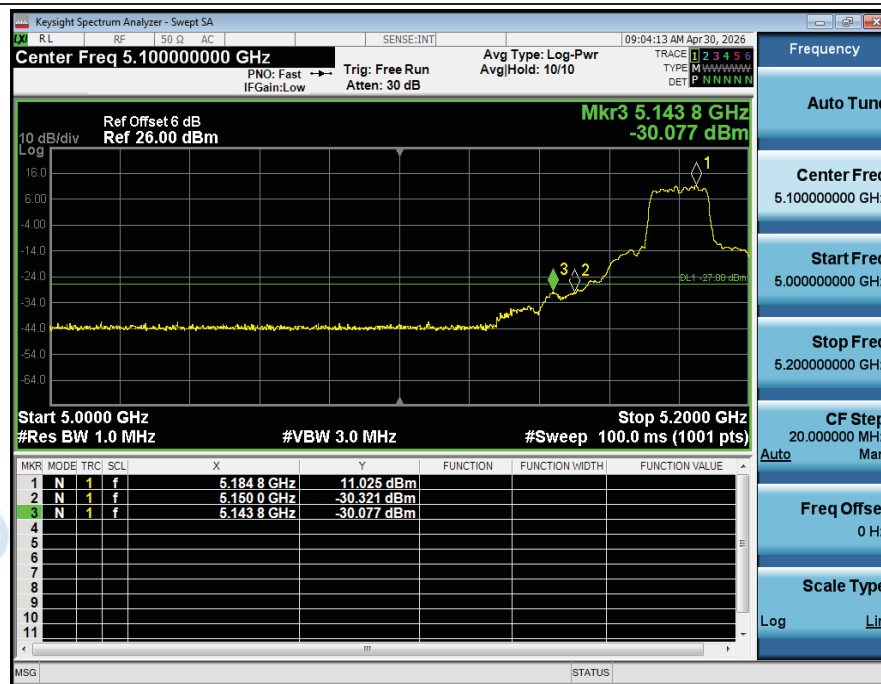
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210



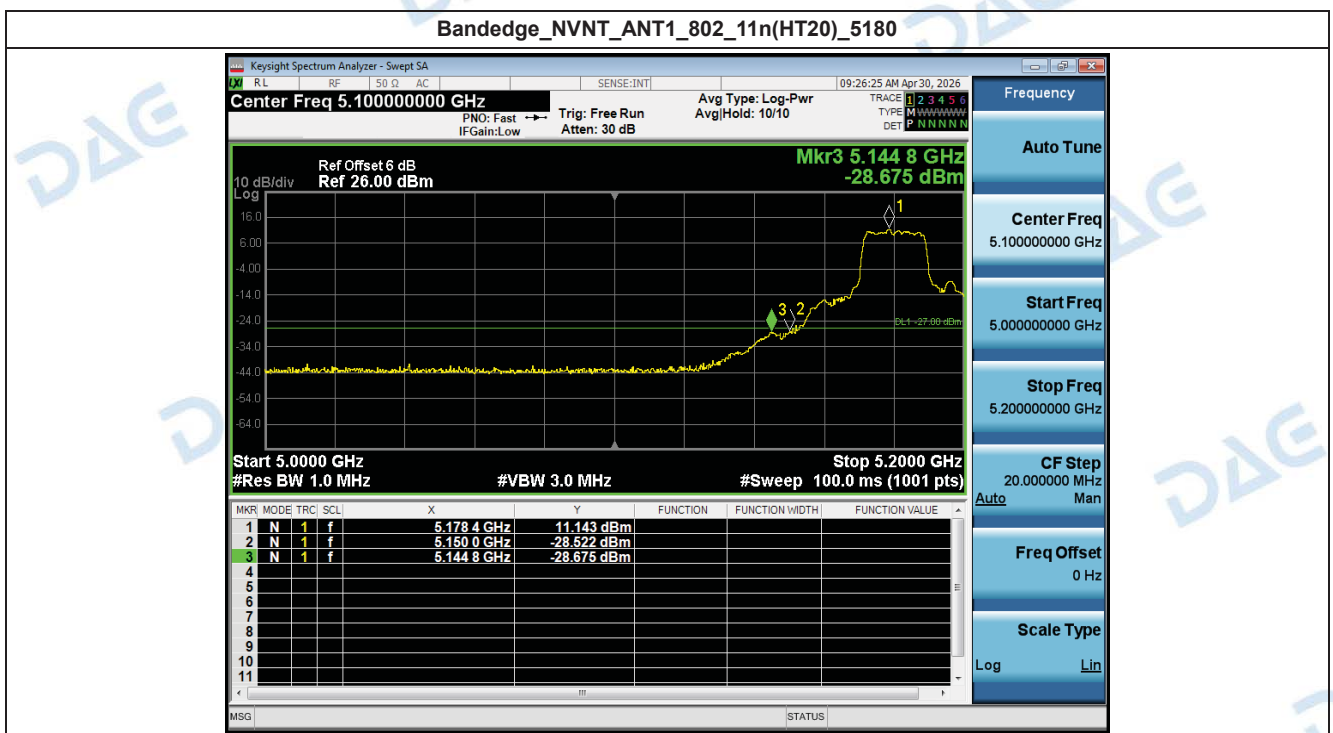
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	5143.80	-30.08	-27	Pass
NVNT	ANT1	802.11a	5240.00	5366.40	-40.93	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	5144.80	-28.68	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	5351.40	-40.23	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	5149.60	-28.51	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	5366.40	-40.66	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	5149.10	-30.14	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	5356.16	-40.44	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	5149.94	-30.15	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	5359.73	-40.60	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5145.32	-29.74	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	5360.36	-40.39	-27	Pass

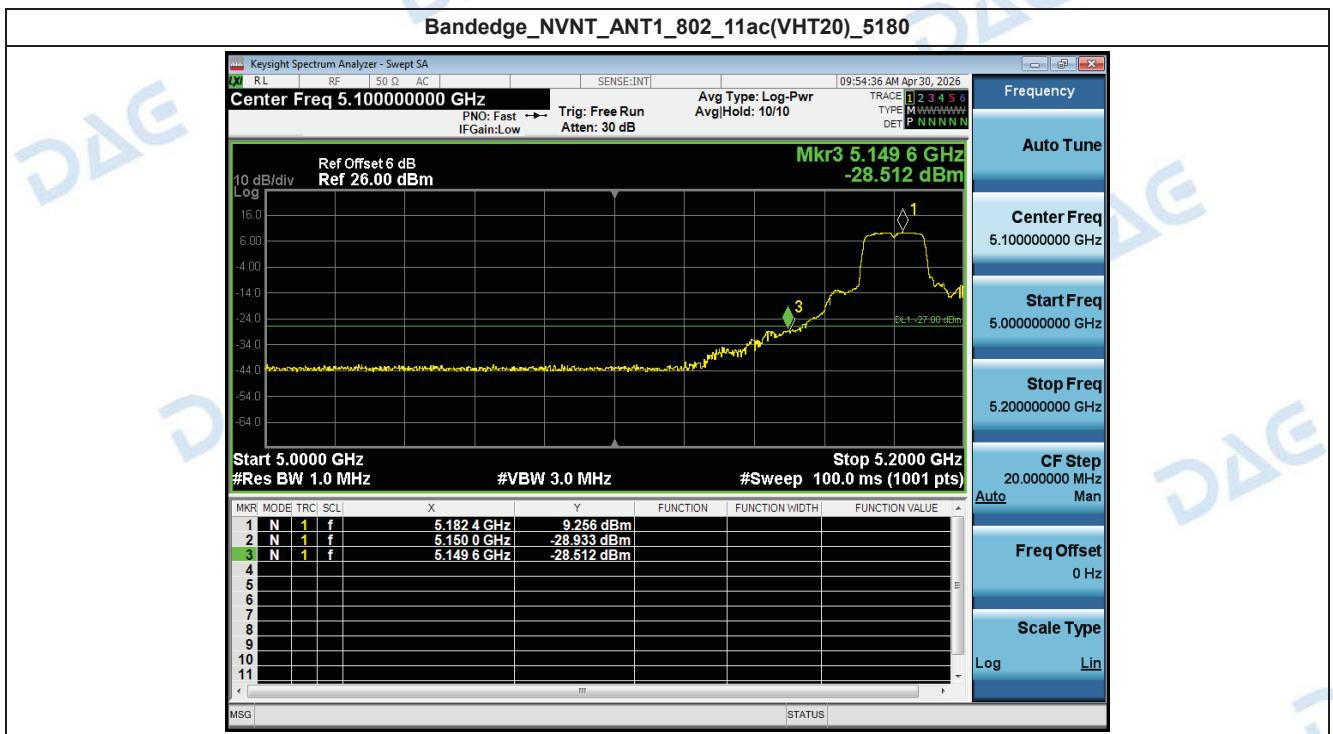
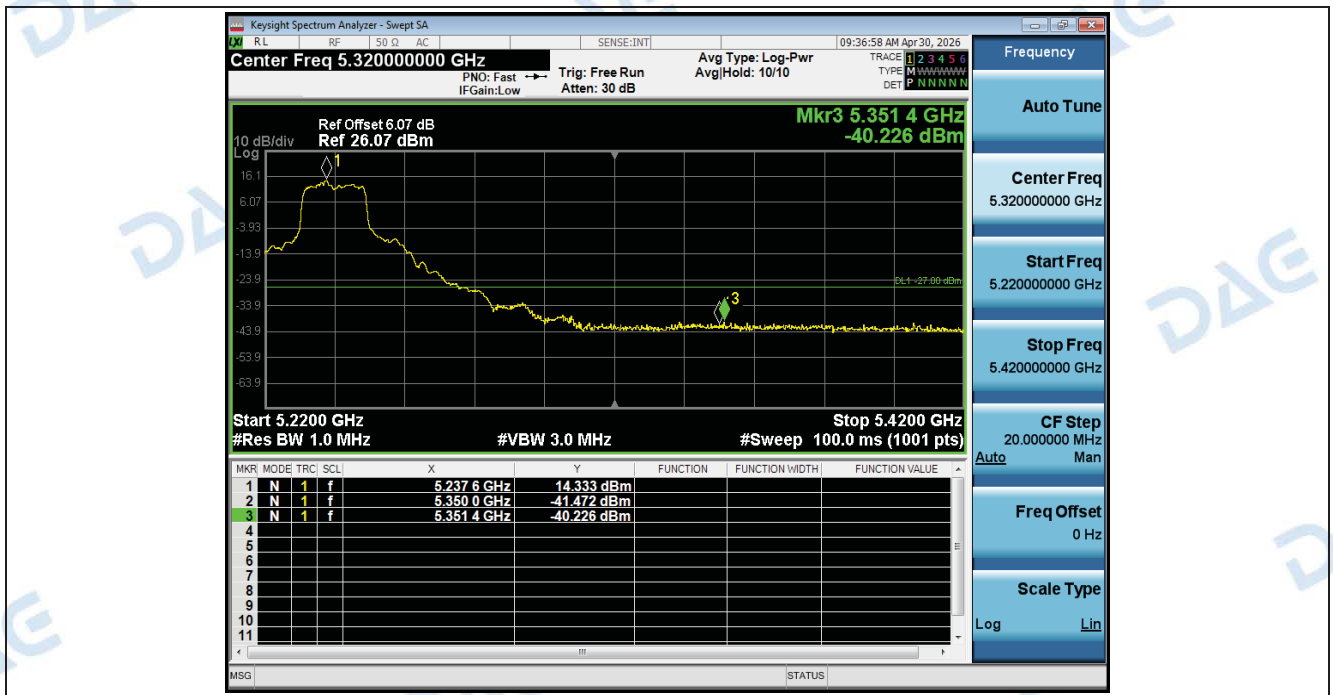
Bandedge_NVNT_ANT1_802_11a_5180



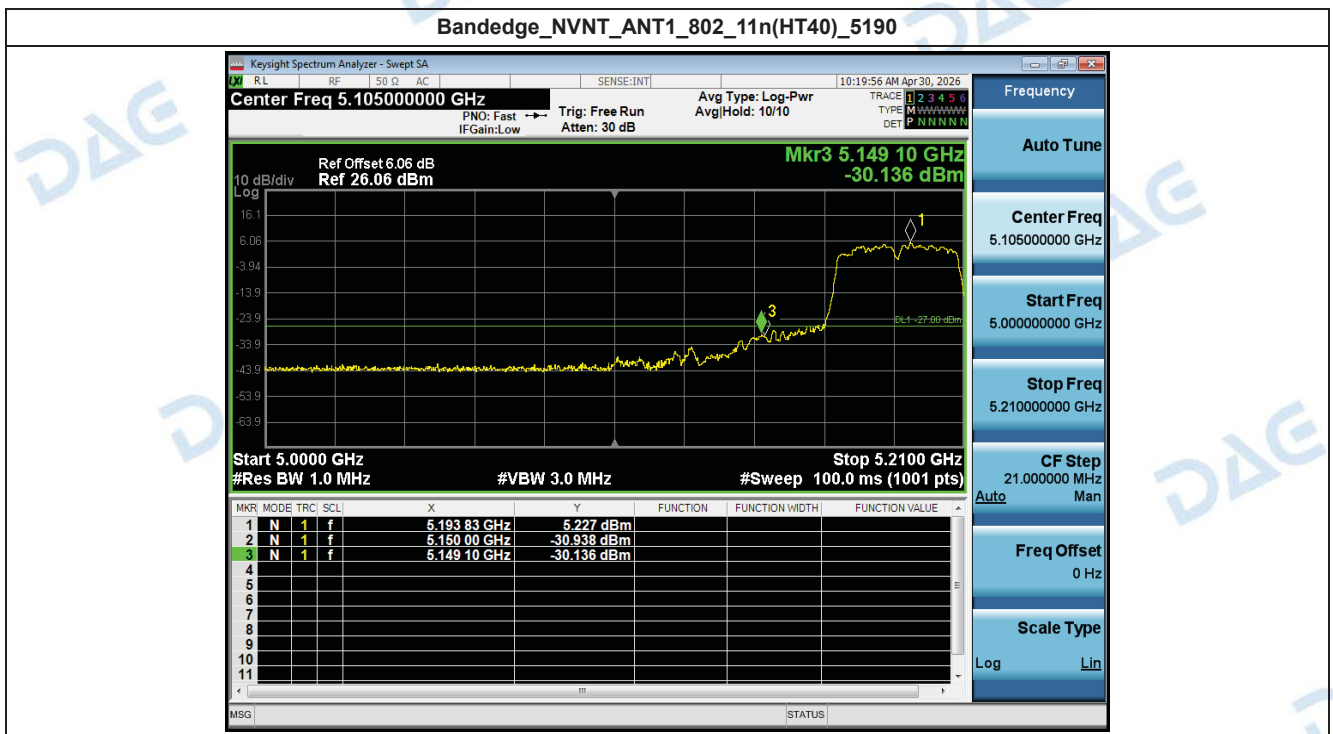
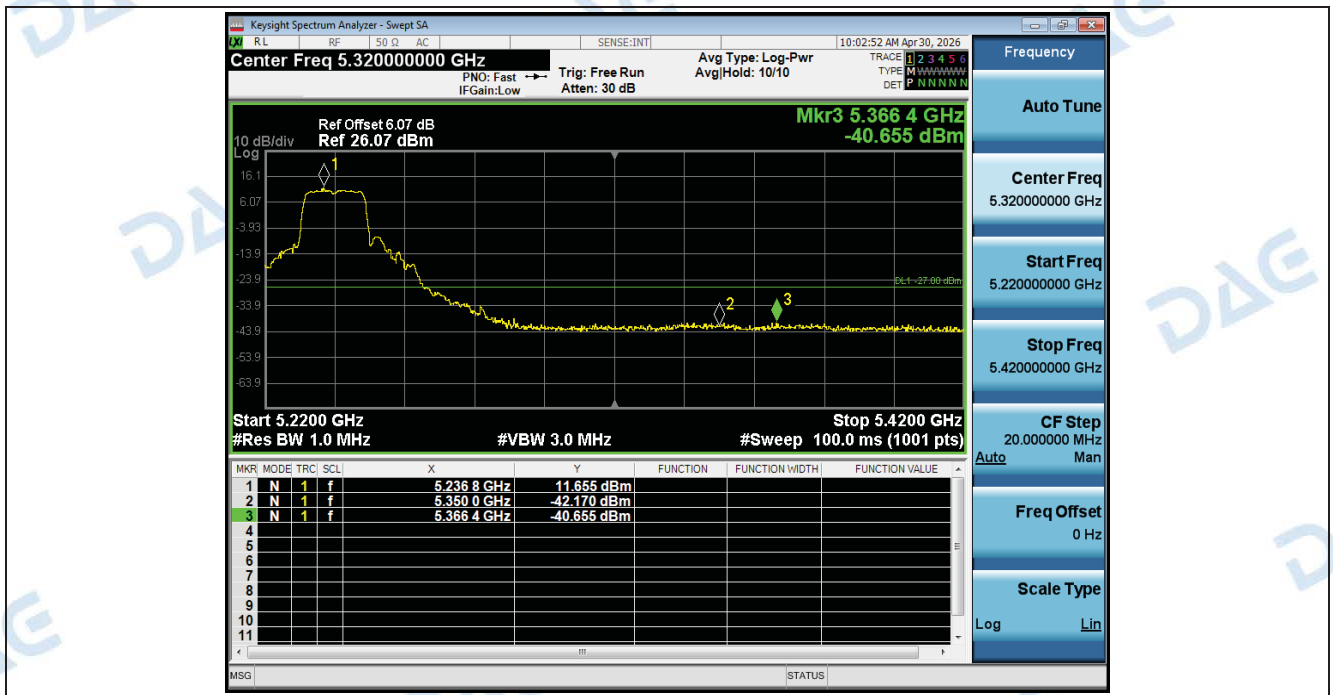
Bandedge_NVNT_ANT1_802_11a_5240



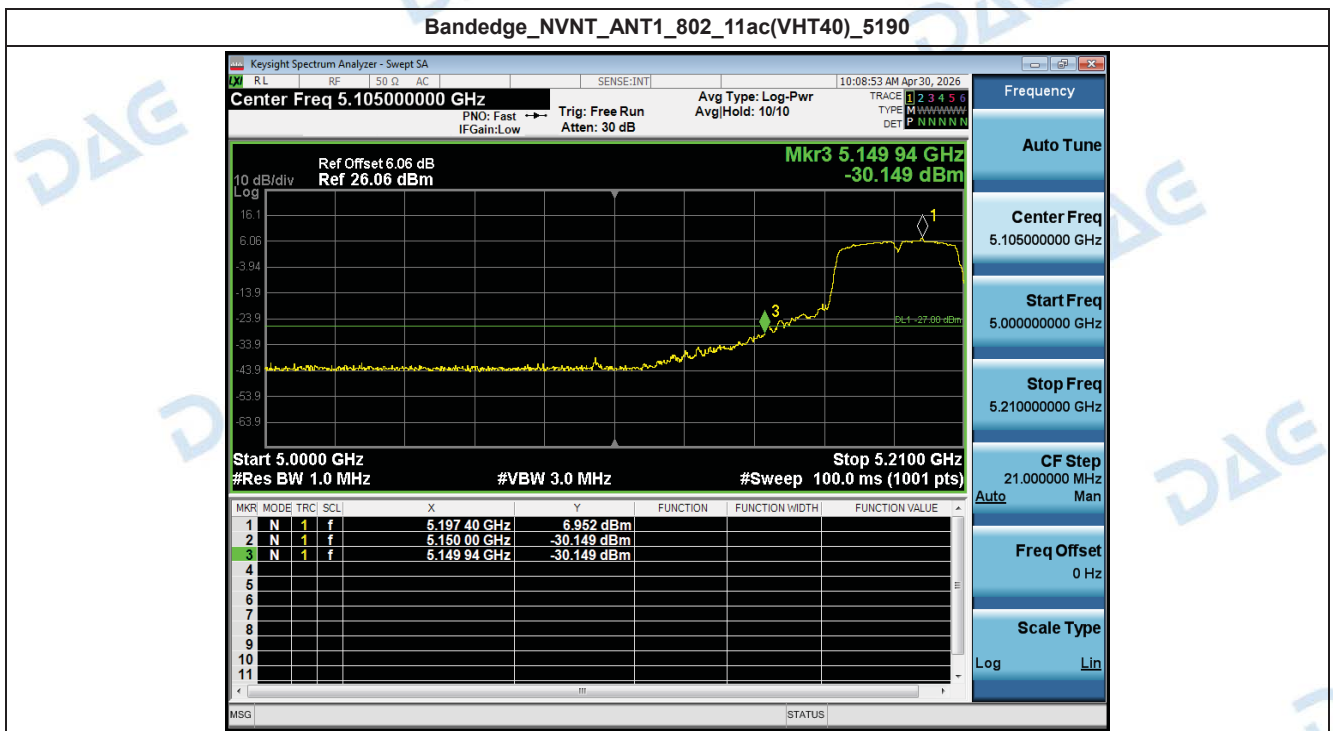
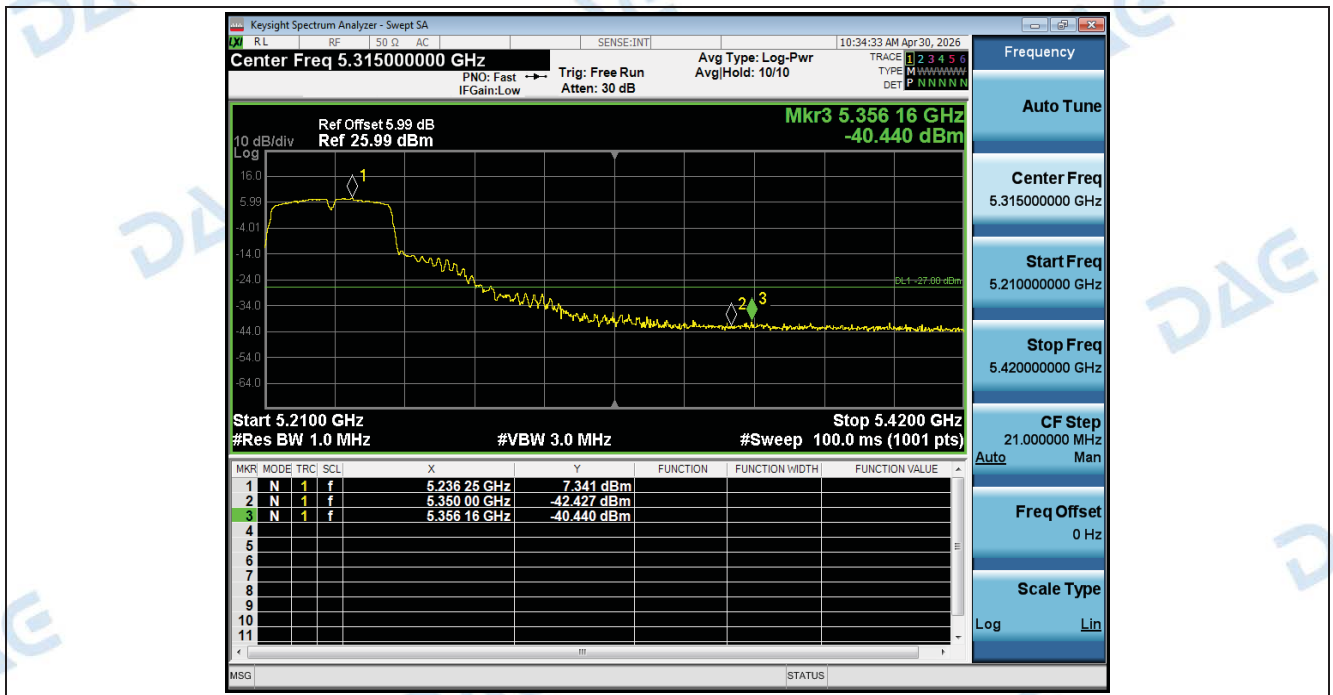
Bandedge_NVNT_ANT1_802_11n(HT20)_5240



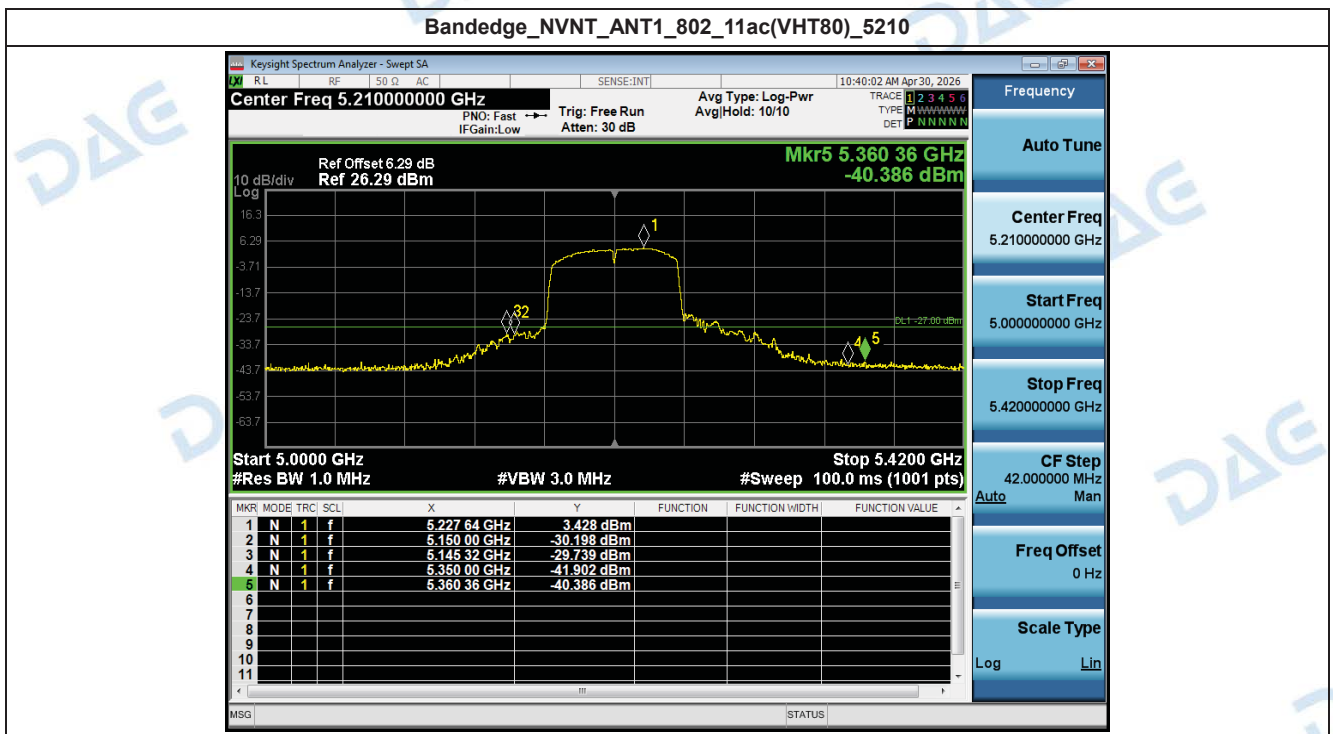
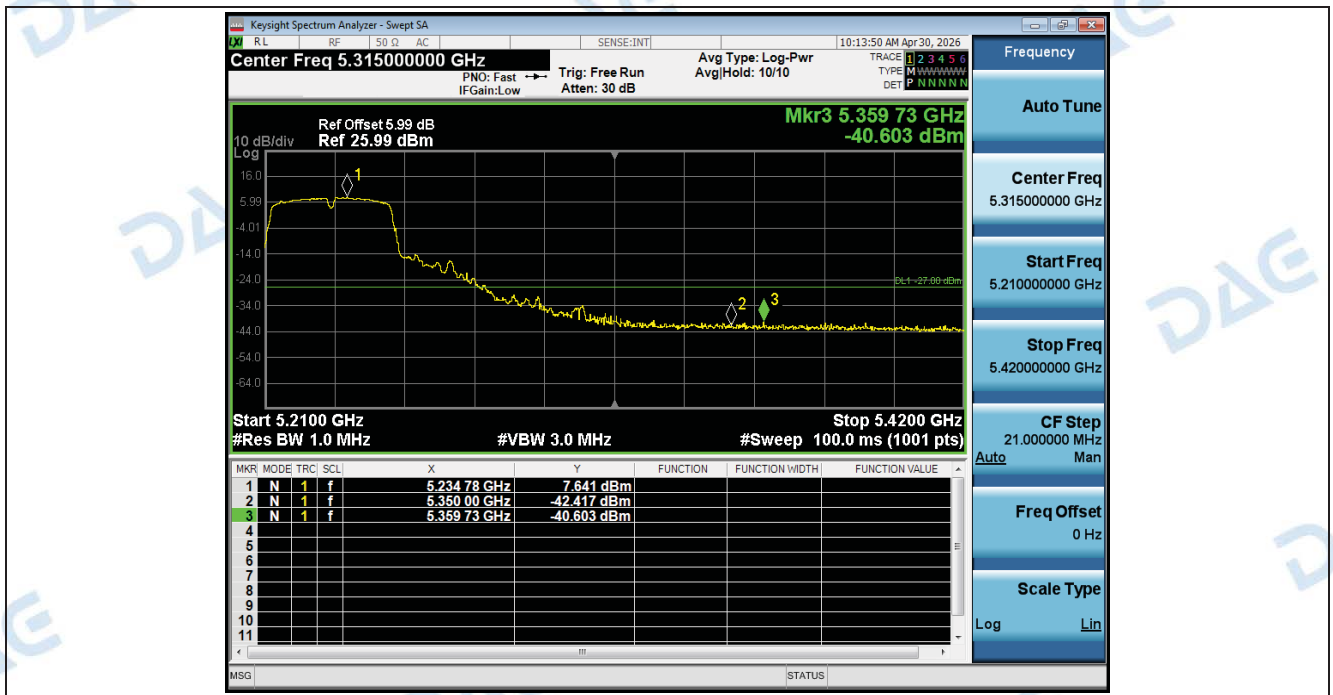
Bandedge_NVNT_ANT1_802_11ac(VHT20)_5240



Bandedge_NVNT_ANT1_802_11n(HT40)_5230



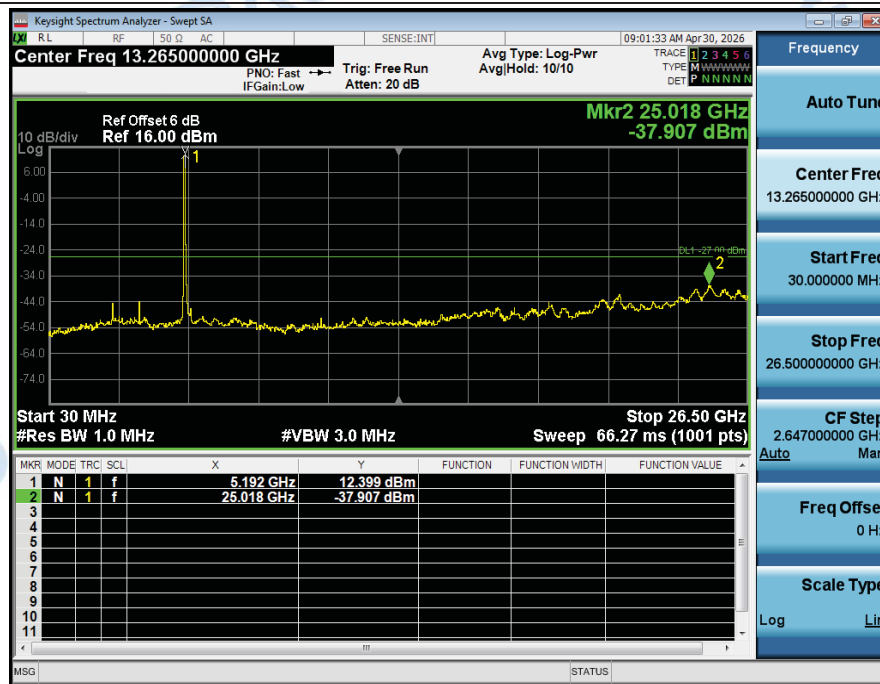
Bandedge_NVNT_ANT1_802_11ac(VHT40)_5230



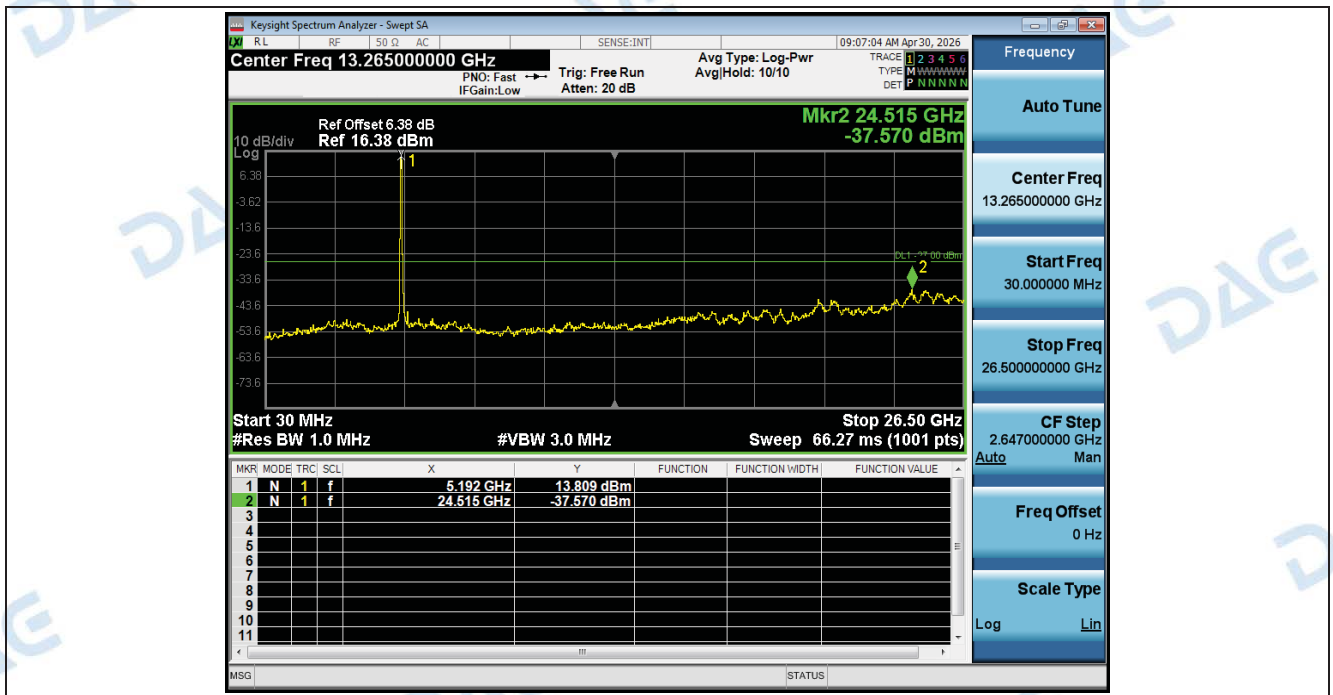
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	25017.68	-37.91	-27	Pass
NVNT	ANT1	802.11a	5200.00	24514.75	-37.57	-27	Pass
NVNT	ANT1	802.11a	5240.00	25044.15	-38.36	-27	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	24964.74	-36.58	-27	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	25070.62	-36.46	-27	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	25044.15	-37.61	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	24991.21	-37.40	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	25044.15	-36.90	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	24991.21	-37.34	-27	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	25176.50	-37.59	-27	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	25123.56	-36.87	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	24991.21	-37.07	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	24964.74	-37.15	-27	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	25017.68	-37.41	-27	Pass

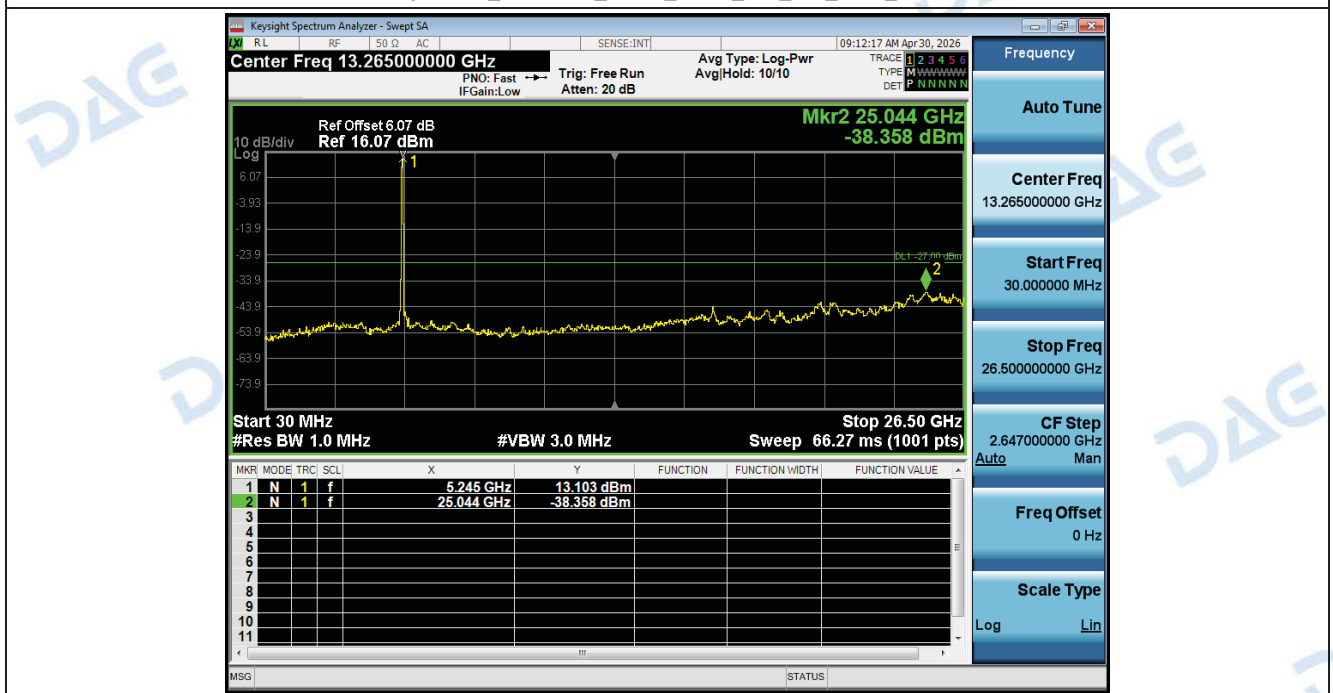
Spurious_Emission_NVNT_ANT1_802_11a_5180_20M



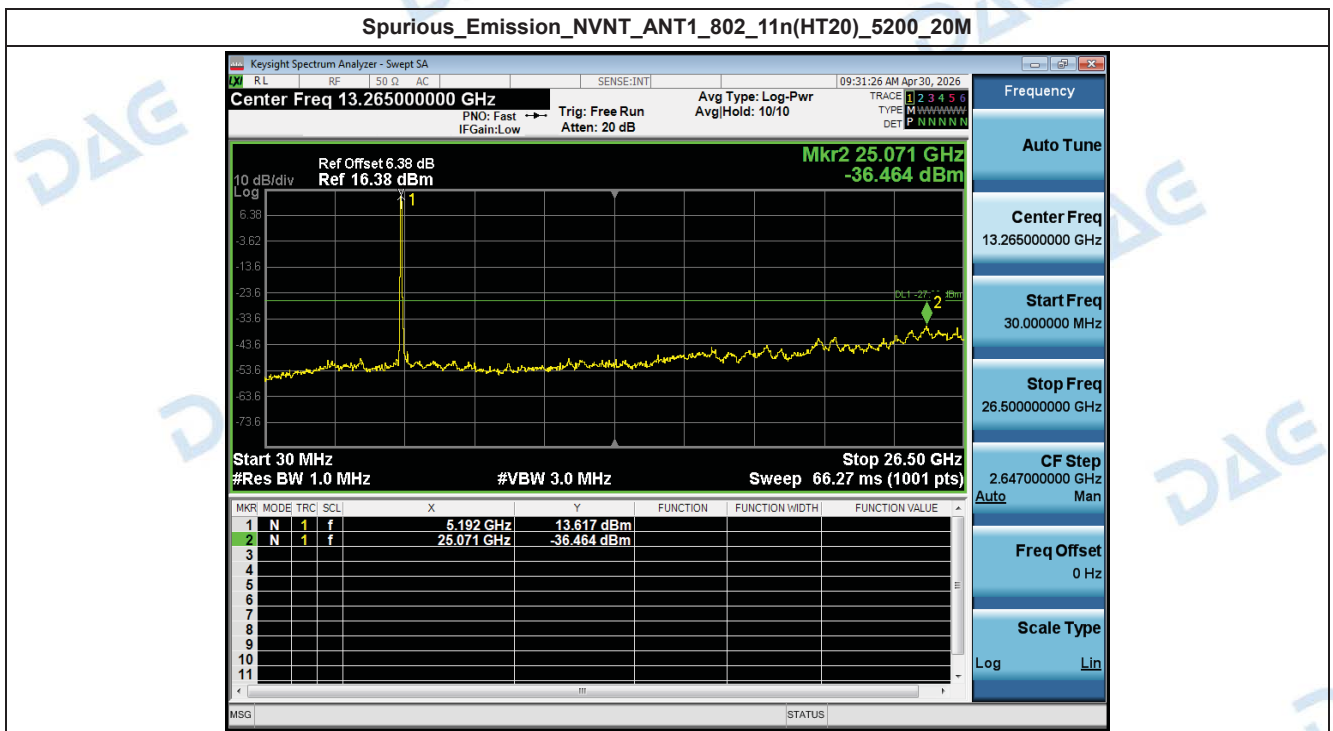
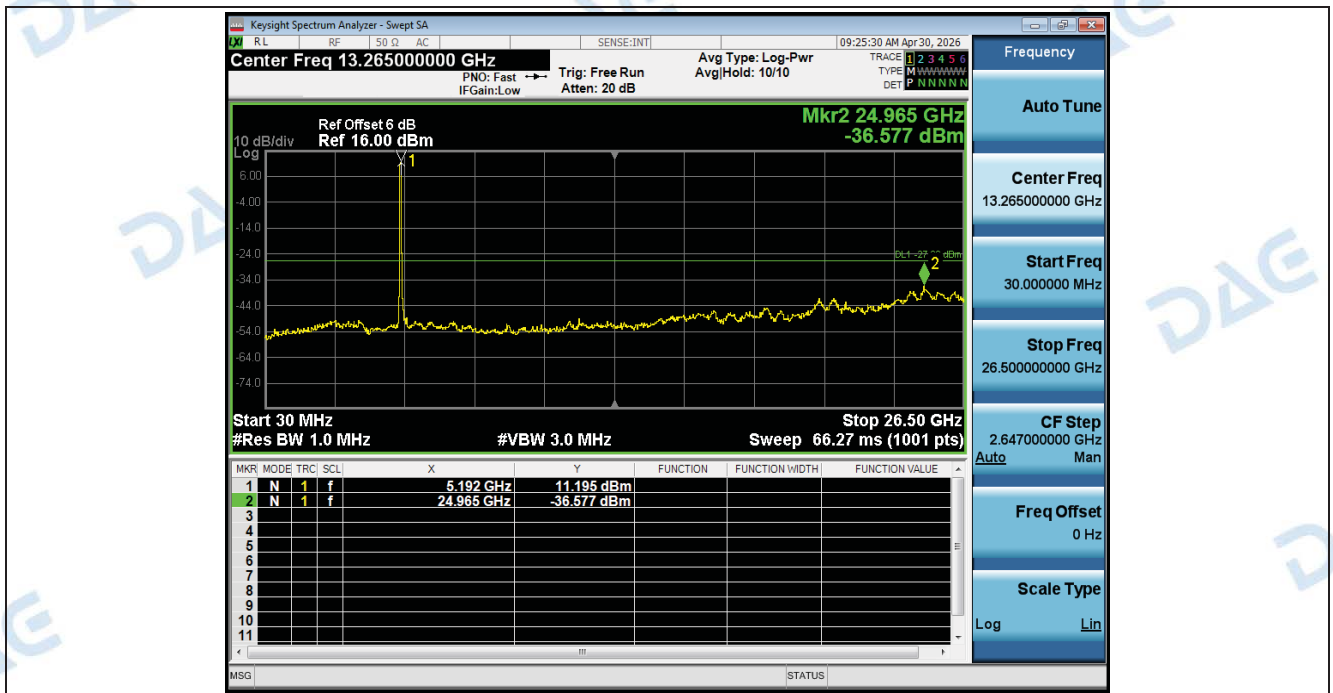
Spurious_Emission_NVNT_ANT1_802_11a_5200_20M



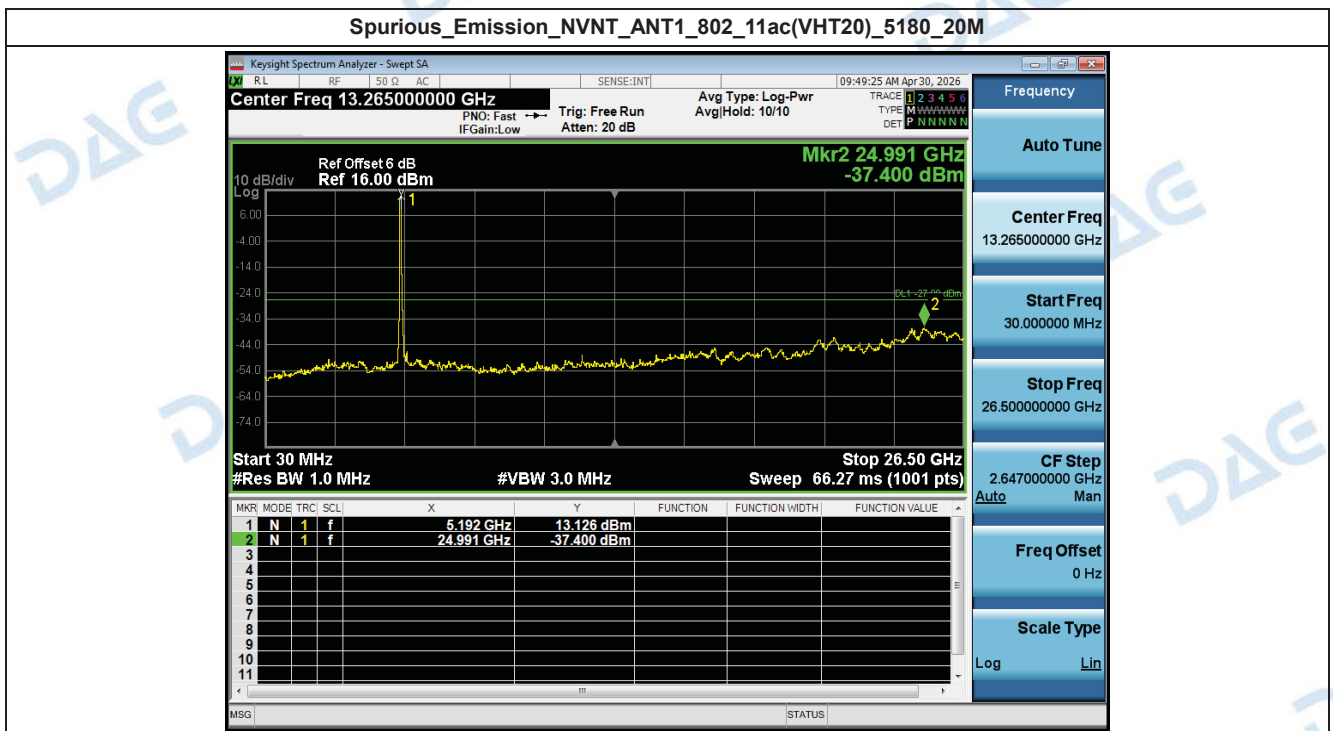
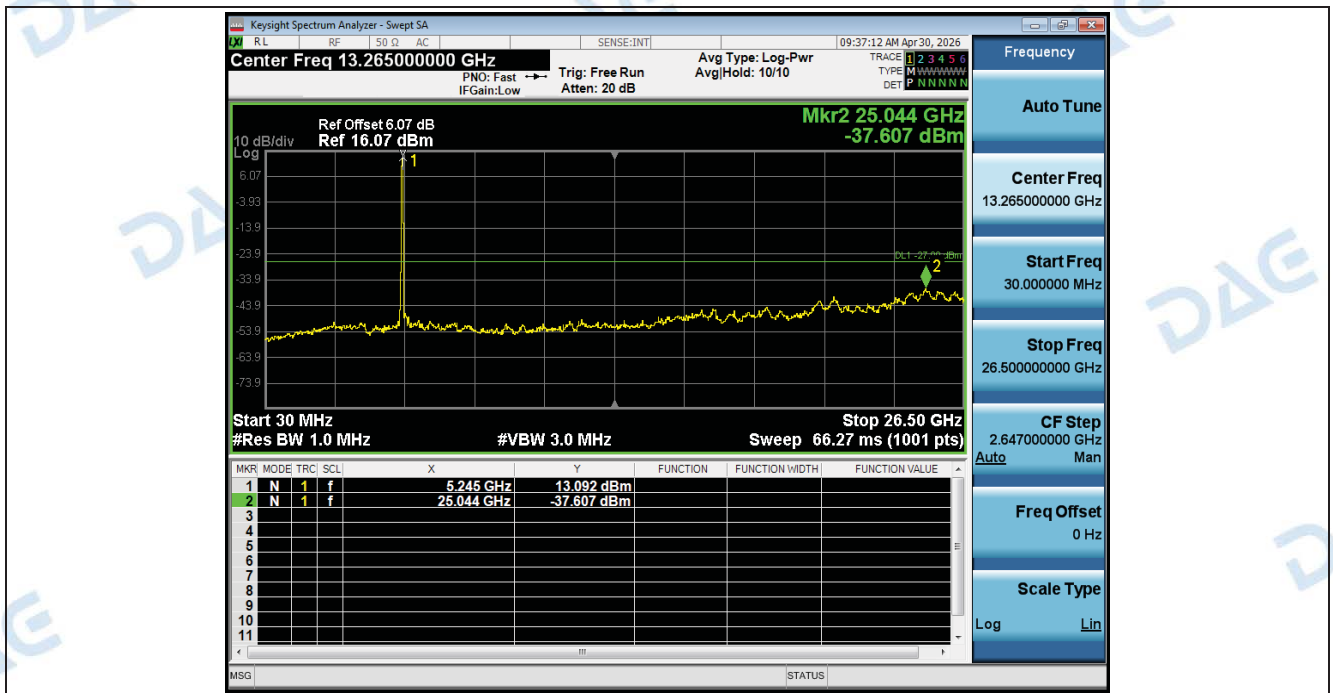
Spurious_Emission_NVNT_ANT1_802_11a_5240_20M



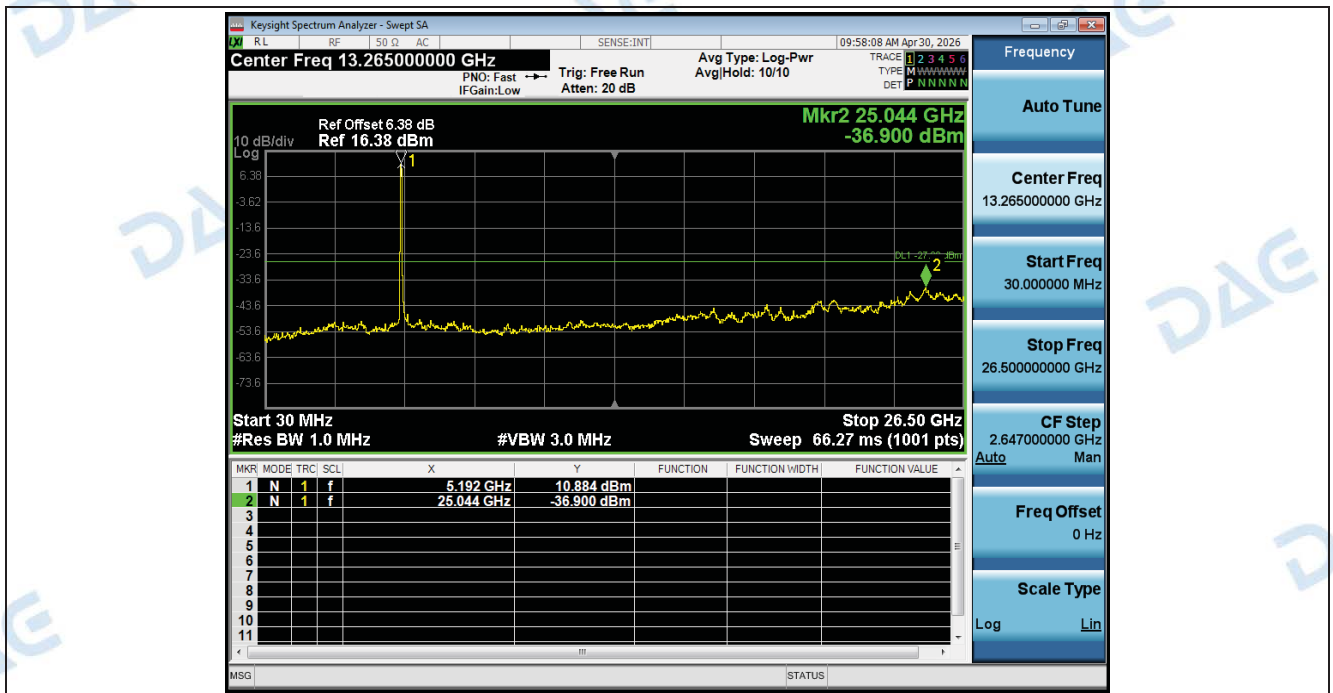
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5180_20M



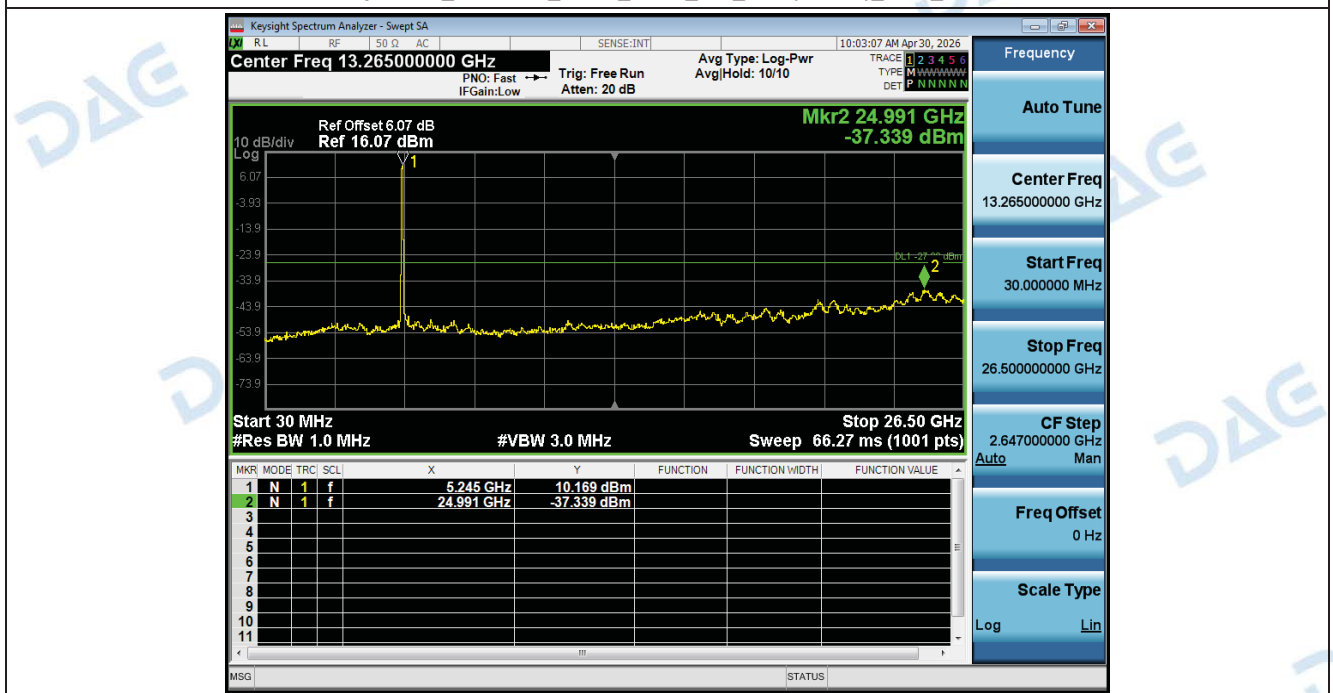
Spurious_Emission_NVNT_ANT1_802_11n(HT20)_5240_20M



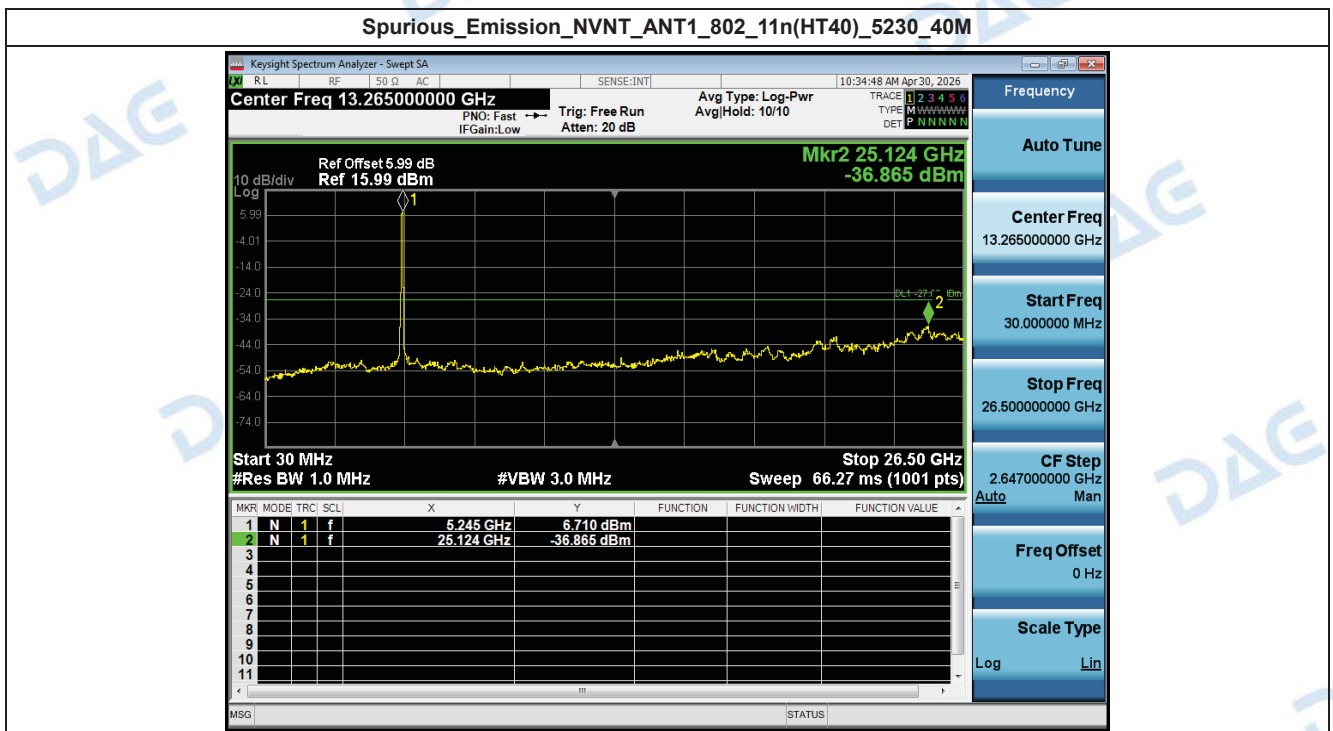
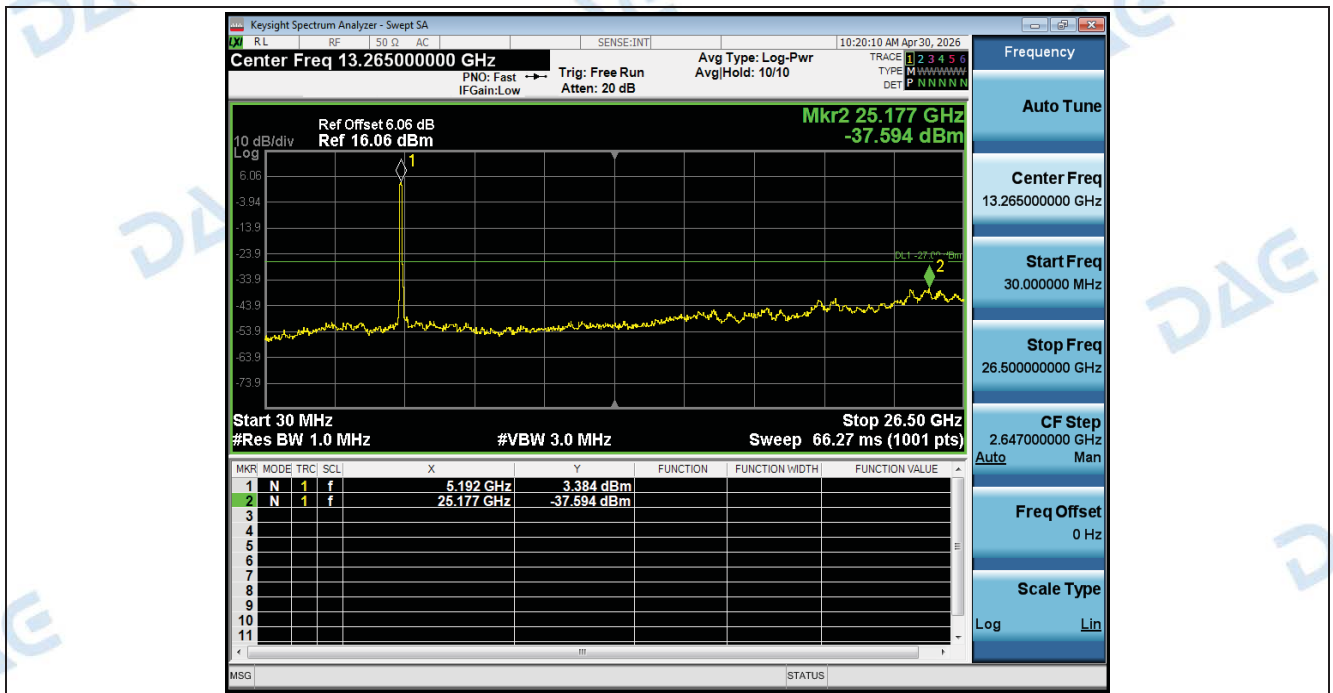
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5200_20M



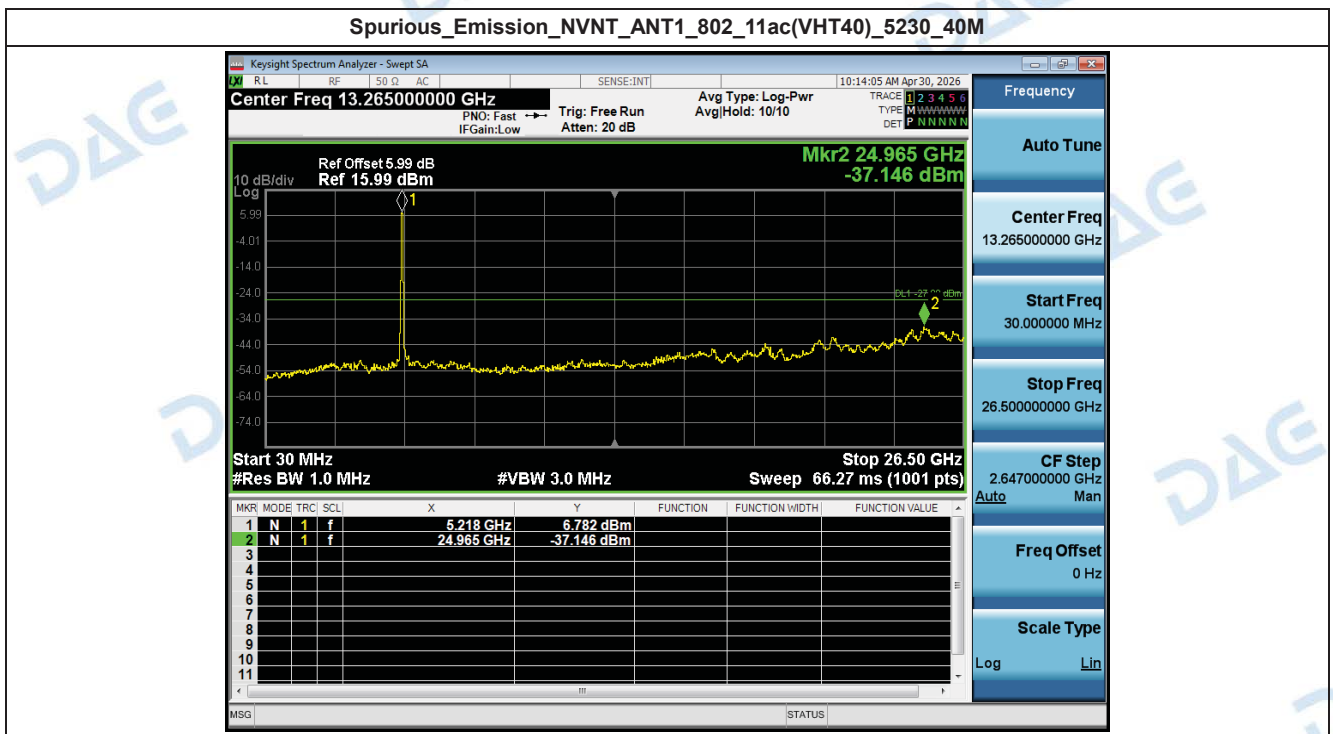
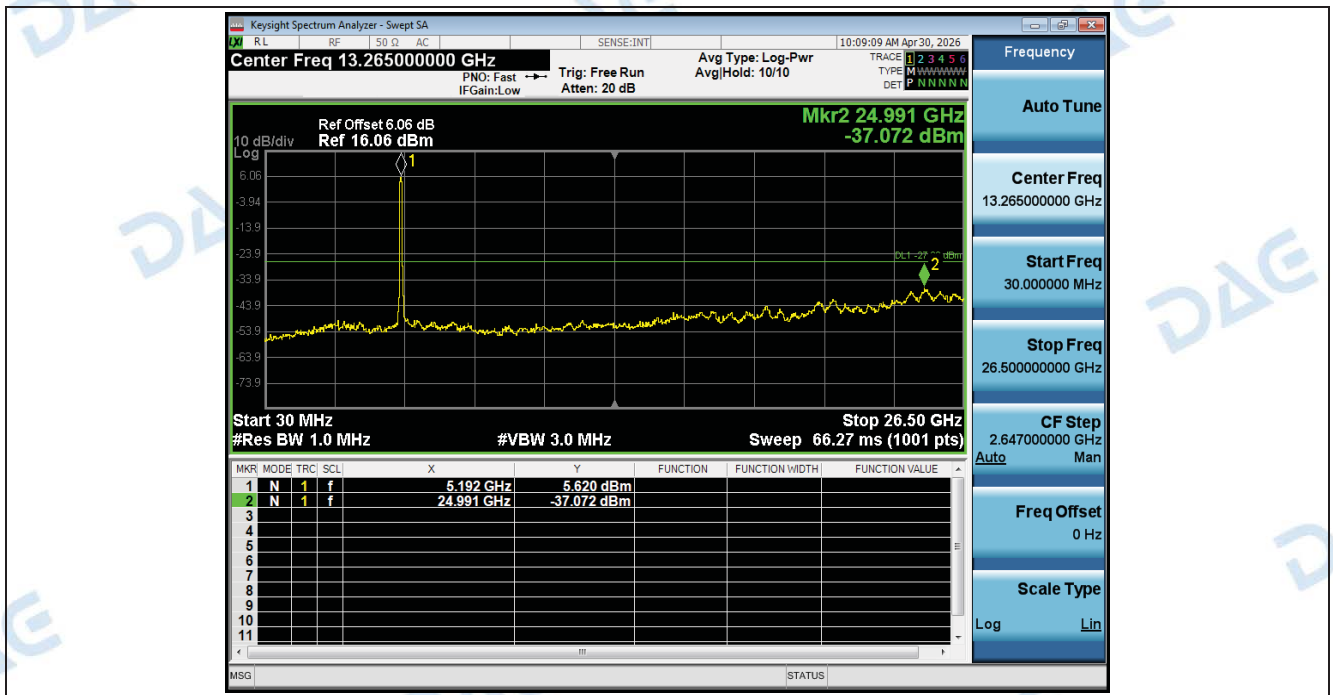
Spurious_Emission_NVNT_ANT1_802_11ac(VHT20)_5240_20M



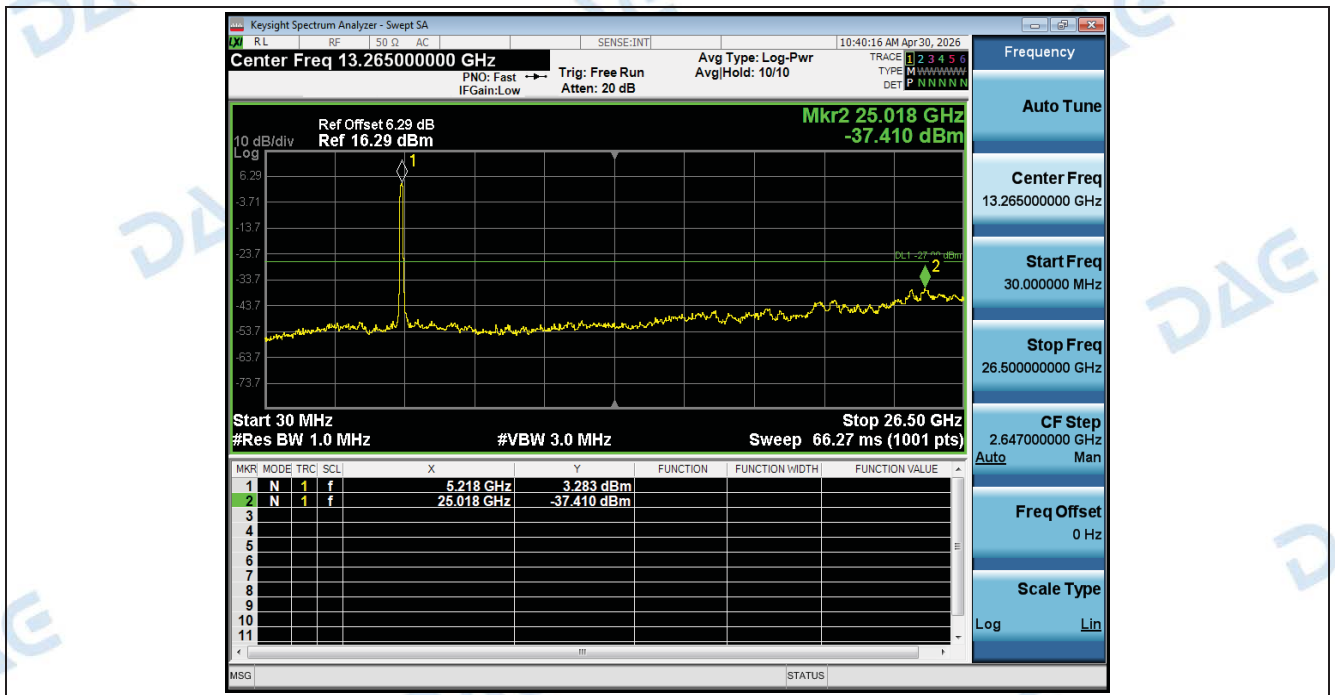
Spurious_Emission_NVNT_ANT1_802_11n(HT40)_5190_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Spurious_Emission_NVNT_ANT1_802_11ac(VHT80)_5210_80M



7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
50degrees C&&3.80V	ANT1	802.11a	5180.00	5181.548	5169.684	5193.412	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11a	5180.00	5180.778	5171.516	5190.040	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11a	5180.00	5180.092	5171.716	5188.468	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11a	5180.00	5180.046	5171.820	5188.272	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11a	5180.00	5180.046	5171.900	5188.192	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11a	5180.00	5180.038	5171.956	5188.120	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11a	5180.00	5180.030	5172.004	5188.056	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11a	5180.00	5180.026	5172.056	5187.996	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11a	5180.00	5180.038	5172.116	5187.960	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5180.00	5180.038	5172.172	5187.904	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5180.00	5180.050	5172.228	5187.872	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5180.00	5180.044	5172.264	5187.824	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11a	5200.00	5201.120	5189.752	5212.488	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11a	5200.00	5200.614	5191.564	5209.664	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11a	5200.00	5200.054	5191.724	5208.384	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11a	5200.00	5200.022	5191.812	5208.232	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11a	5200.00	5199.998	5191.876	5208.120	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11a	5200.00	5199.994	5191.936	5208.052	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11a	5200.00	5199.990	5191.984	5207.996	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11a	5200.00	5199.986	5192.040	5207.932	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11a	5200.00	5199.988	5192.088	5207.888	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5200.00	5199.984	5192.136	5207.832	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5200.00	5199.992	5192.188	5207.796	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5200.00	5199.990	5192.244	5207.736	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11a	5240.00	5240.030	5231.544	5248.516	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11a	5240.00	5239.990	5231.712	5248.268	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11a	5240.00	5239.976	5231.792	5248.160	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11a	5240.00	5239.978	5231.860	5248.096	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11a	5240.00	5239.976	5231.920	5248.032	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11a	5240.00	5239.976	5231.968	5247.984	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11a	5240.00	5239.974	5232.016	5247.932	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11a	5240.00	5239.982	5232.072	5247.892	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11a	5240.00	5239.982	5232.128	5247.836	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11a	5240.00	5239.972	5232.184	5247.760	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11a	5240.00	5239.974	5232.236	5247.712	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11a	5240.00	5239.976	5232.296	5247.656	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5181.148	5169.952	5192.344	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.132	5171.024	5189.240	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.012	5171.140	5188.884	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.008	5171.212	5188.804	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.990	5171.268	5188.712	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5180.000	5171.328	5188.672	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.986	5171.376	5188.596	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.986	5171.440	5188.532	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.970	5171.496	5188.444	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5180.00	5179.992	5171.548	5188.436	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5180.00	5179.986	5171.600	5188.372	5150~5250	Pass

25degrees C&&3.23V	ANT1	802.11n(HT20)	5180.00	5179.976	5171.652	5188.300	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5201.472	5189.700	5213.244	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.192	5190.996	5209.388	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.036	5191.160	5208.912	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.026	5191.260	5208.792	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.024	5191.336	5208.712	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.030	5191.404	5208.656	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.034	5191.464	5208.604	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.050	5191.528	5208.572	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.032	5191.584	5208.480	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5200.00	5200.036	5191.656	5208.416	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5200.00	5200.054	5191.712	5208.396	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5200.00	5200.070	5191.776	5208.364	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.980	5231.044	5248.916	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.988	5231.168	5248.808	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.992	5231.240	5248.744	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.976	5231.296	5248.656	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.986	5231.360	5248.612	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.998	5231.420	5248.576	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.994	5231.476	5248.512	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.000	5231.524	5248.476	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5240.002	5231.576	5248.428	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT20)	5240.00	5239.996	5231.632	5248.360	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT20)	5240.00	5239.988	5231.672	5248.304	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT20)	5240.00	5239.996	5231.736	5248.256	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5181.010	5165.884	5196.136	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5181.344	5168.748	5193.940	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5181.496	5170.548	5192.444	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.992	5171.076	5190.908	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.452	5171.208	5189.696	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.156	5171.288	5189.024	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.088	5171.356	5188.820	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.082	5171.428	5188.736	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.076	5171.492	5188.660	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5180.00	5180.092	5171.564	5188.620	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5180.00	5180.074	5171.616	5188.532	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5180.00	5180.080	5171.668	5188.492	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.198	5190.912	5209.484	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.054	5191.176	5208.932	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.028	5191.272	5208.784	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.034	5191.356	5208.712	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.026	5191.432	5208.620	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.036	5191.504	5208.568	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.042	5191.572	5208.512	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.038	5191.628	5208.448	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.032	5191.684	5208.380	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5200.00	5200.060	5191.748	5208.372	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5200.00	5200.054	5191.808	5208.300	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5200.00	5200.062	5191.868	5208.256	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5240.024	5231.024	5249.024	5150~5250	Pass

40degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5240.004	5231.192	5248.816	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.998	5231.276	5248.720	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.994	5231.348	5248.640	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.994	5231.416	5248.572	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5240.004	5231.488	5248.520	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.998	5231.548	5248.448	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.994	5231.612	5248.376	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5239.992	5231.660	5248.324	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT20)	5240.00	5240.000	5231.720	5248.280	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT20)	5240.00	5240.004	5231.780	5248.228	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT20)	5240.00	5240.020	5231.852	5248.188	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.072	5171.840	5208.304	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.076	5172.064	5208.088	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.120	5172.240	5208.000	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.172	5172.432	5207.912	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.196	5172.552	5207.840	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.228	5172.736	5207.720	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.248	5172.896	5207.600	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.288	5173.072	5207.504	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.316	5173.232	5207.400	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5190.00	5190.388	5173.440	5207.336	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5190.00	5190.404	5173.608	5207.200	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5190.00	5190.440	5173.760	5207.120	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.052	5211.768	5248.336	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.032	5212.008	5248.056	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.036	5212.184	5247.888	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.056	5212.368	5247.744	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.048	5212.496	5247.600	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.064	5212.624	5247.504	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.060	5212.744	5247.376	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.072	5212.864	5247.280	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.076	5213.016	5247.136	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11n(HT40)	5230.00	5230.000	5213.160	5246.840	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11n(HT40)	5230.00	5230.048	5213.280	5246.816	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11n(HT40)	5230.00	5230.068	5213.392	5246.744	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.076	5171.800	5208.352	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.096	5172.080	5208.112	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.108	5172.256	5207.960	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.140	5172.448	5207.832	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.140	5172.576	5207.704	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.212	5172.744	5207.680	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.232	5172.904	5207.560	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.256	5173.088	5207.424	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.252	5173.216	5207.288	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5190.00	5190.296	5173.416	5207.176	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5190.00	5190.340	5173.552	5207.128	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5190.00	5190.360	5173.720	5207.000	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.088	5211.752	5248.424	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.052	5212.000	5248.104	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.056	5212.160	5247.952	5150~5250	Pass

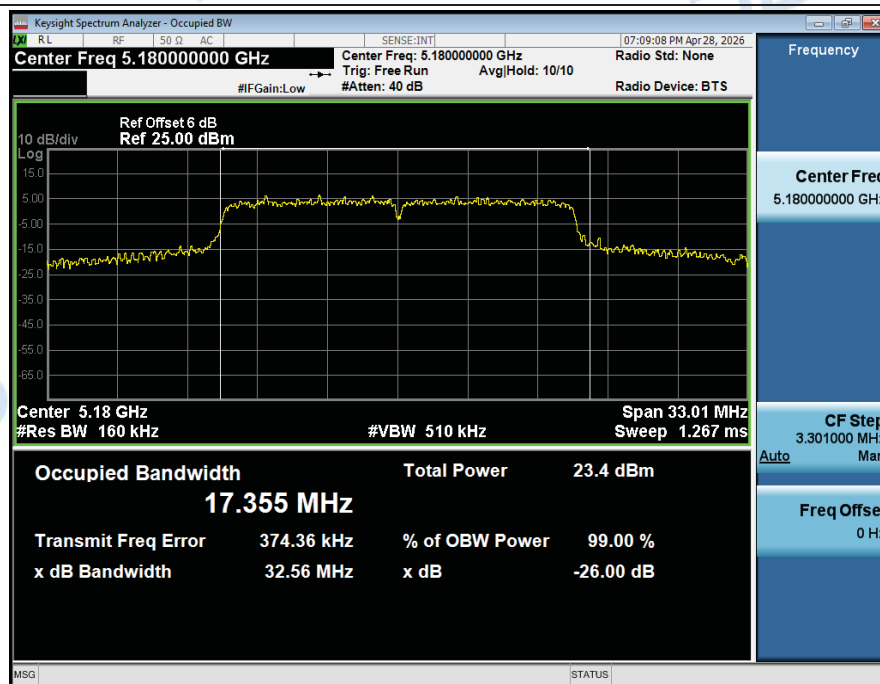
20degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.044	5212.320	5247.768	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.032	5212.448	5247.616	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.048	5212.576	5247.520	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.068	5212.728	5247.408	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.064	5212.880	5247.248	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.060	5213.048	5247.072	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT40)	5230.00	5230.128	5213.192	5247.064	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT40)	5230.00	5230.116	5213.288	5246.944	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT40)	5230.00	5230.104	5213.392	5246.816	5150~5250	Pass
50degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.102	5172.344	5247.860	5150~5250	Pass
40degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.300	5173.064	5247.536	5150~5250	Pass
30degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.336	5173.556	5247.116	5150~5250	Pass
20degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.462	5174.240	5246.684	5150~5250	Pass
10degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.534	5174.720	5246.348	5150~5250	Pass
0degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.714	5175.248	5246.180	5150~5250	Pass
-10degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.696	5175.644	5245.748	5150~5250	Pass
-20degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.822	5176.160	5245.484	5150~5250	Pass
-30degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5210.858	5176.532	5245.184	5150~5250	Pass
25degrees C&&4.37V	ANT1	802.11ac(VHT80)	5210.00	5211.032	5177.024	5245.040	5150~5250	Pass
25degrees C&&3.80V	ANT1	802.11ac(VHT80)	5210.00	5211.098	5177.408	5244.788	5150~5250	Pass
25degrees C&&3.23V	ANT1	802.11ac(VHT80)	5210.00	5211.068	5177.816	5244.320	5150~5250	Pass

FCC_5.2G_WIFI ANT2 Test Data

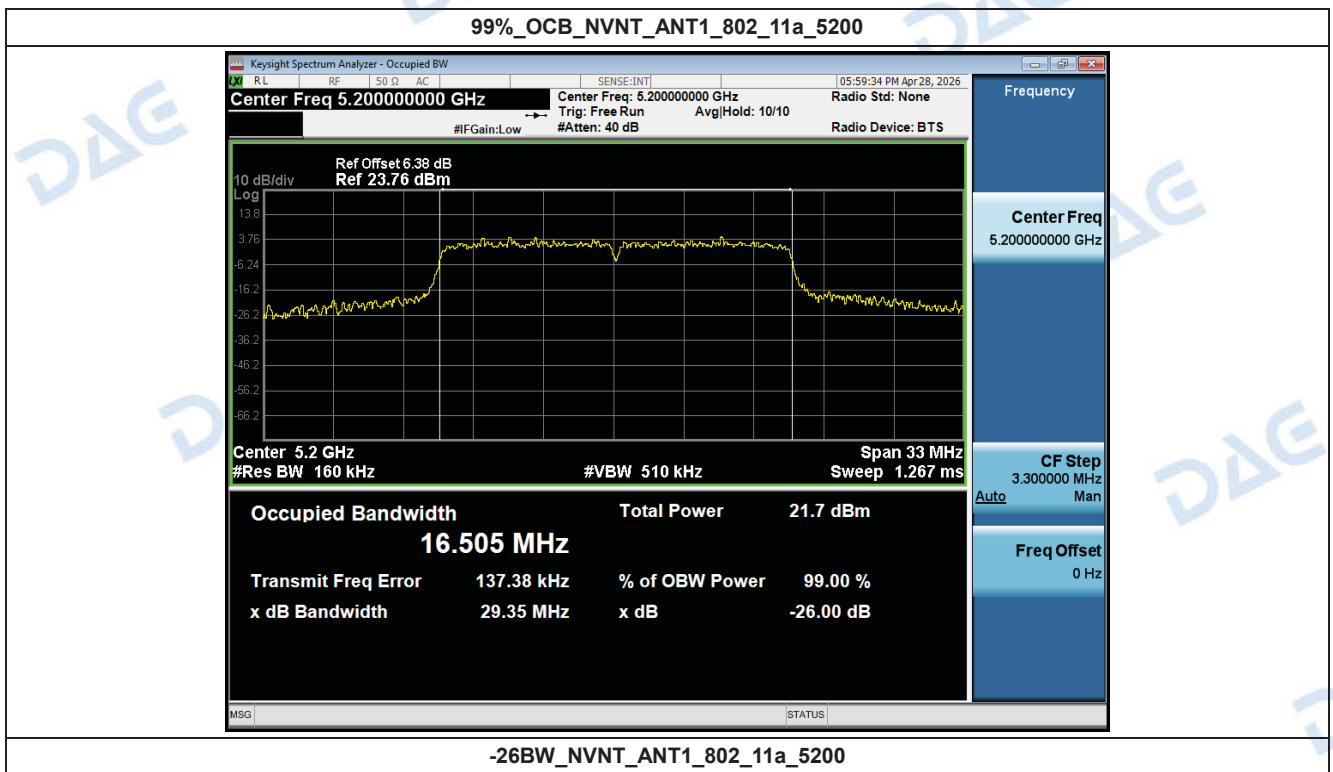
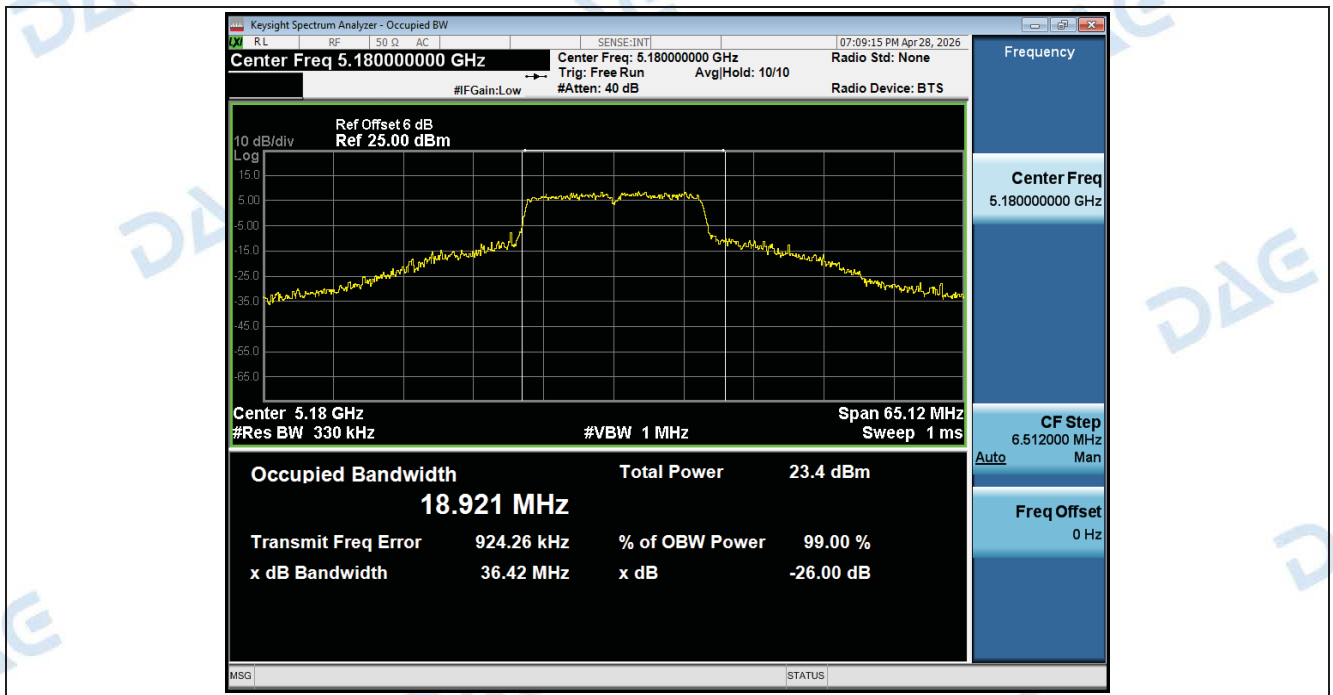
1. -26dB and 99% Emission Bandwidth

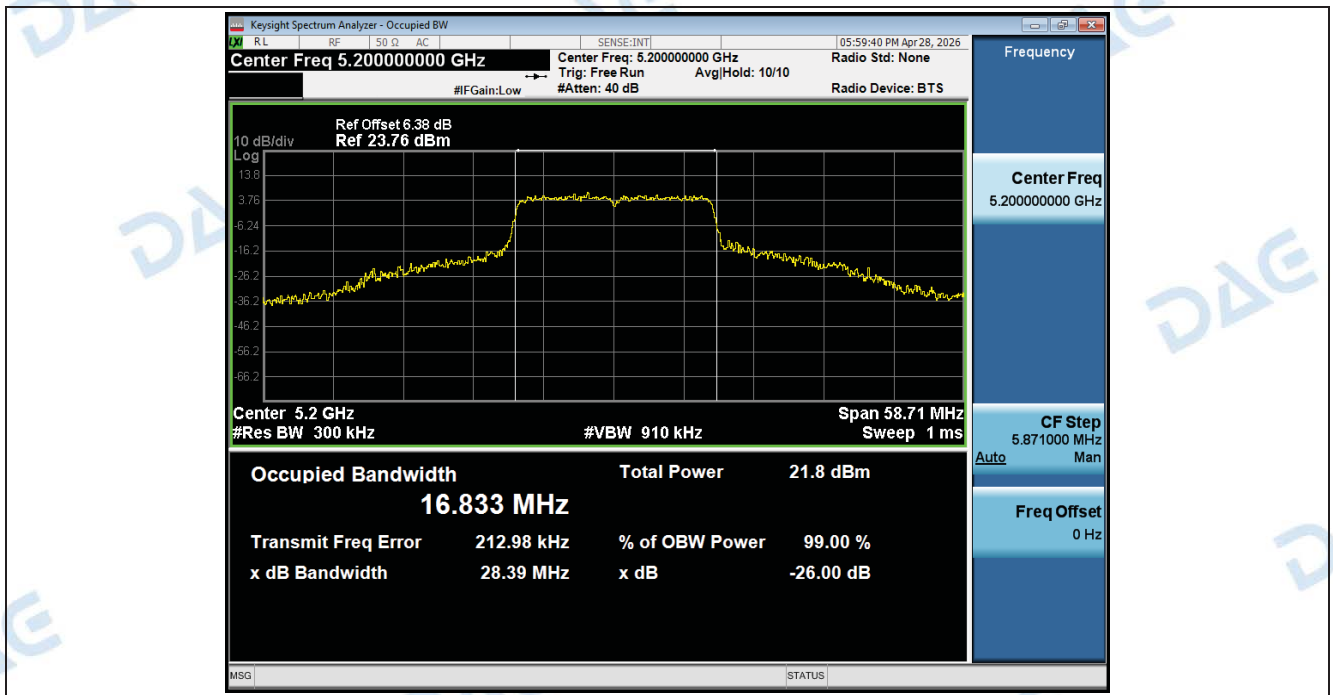
Condition	Antenna	Modulation	Frequency(MHz)	26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT2	802.11a	5180.00	36.42	17.36
NVNT	ANT2	802.11a	5200.00	28.39	16.50
NVNT	ANT2	802.11a	5240.00	36.70	17.11
NVNT	ANT2	802.11n(HT20)	5180.00	27.53	17.62
NVNT	ANT2	802.11n(HT20)	5200.00	27.67	17.62
NVNT	ANT2	802.11n(HT20)	5240.00	31.43	17.69
NVNT	ANT2	802.11ac(VHT20)	5180.00	20.12	17.58
NVNT	ANT2	802.11ac(VHT20)	5200.00	20.09	17.55
NVNT	ANT2	802.11ac(VHT20)	5240.00	19.53	17.57
NVNT	ANT2	802.11n(HT40)	5190.00	40.44	36.03
NVNT	ANT2	802.11n(HT40)	5230.00	40.68	36.17
NVNT	ANT2	802.11ac(VHT40)	5190.00	40.68	36.01
NVNT	ANT2	802.11ac(VHT40)	5230.00	41.07	36.09
NVNT	ANT2	802.11ac(VHT80)	5210.00	80.45	74.59

99%_OCB_NVNT_ANT1_802_11a_5180

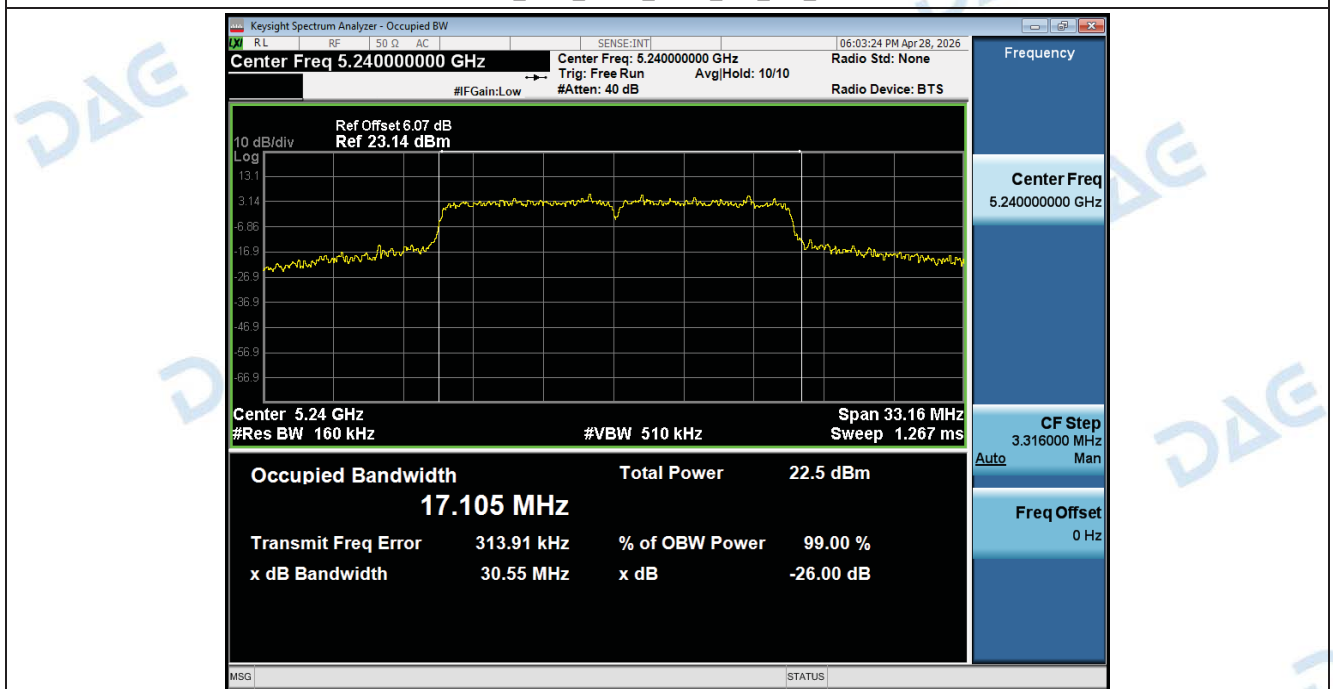


-26BW_NVNT_ANT1_802_11a_5180

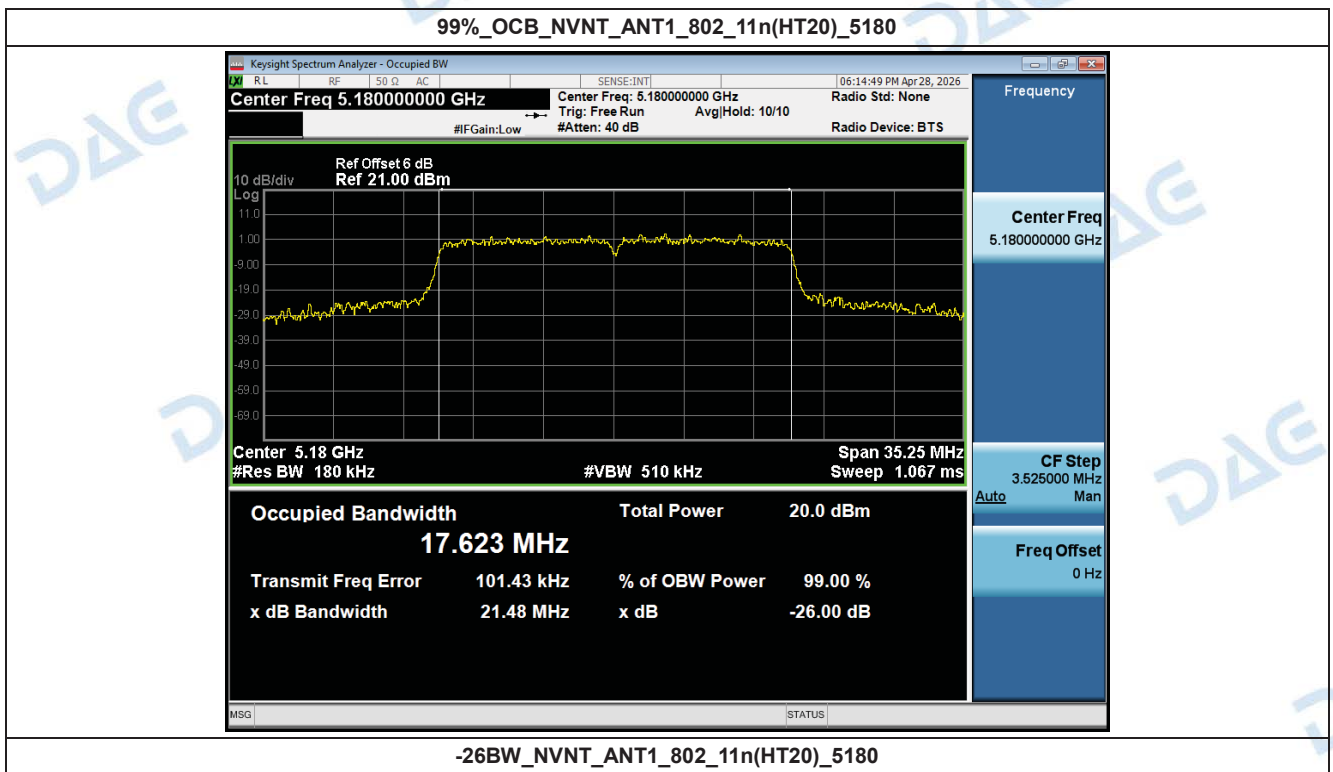
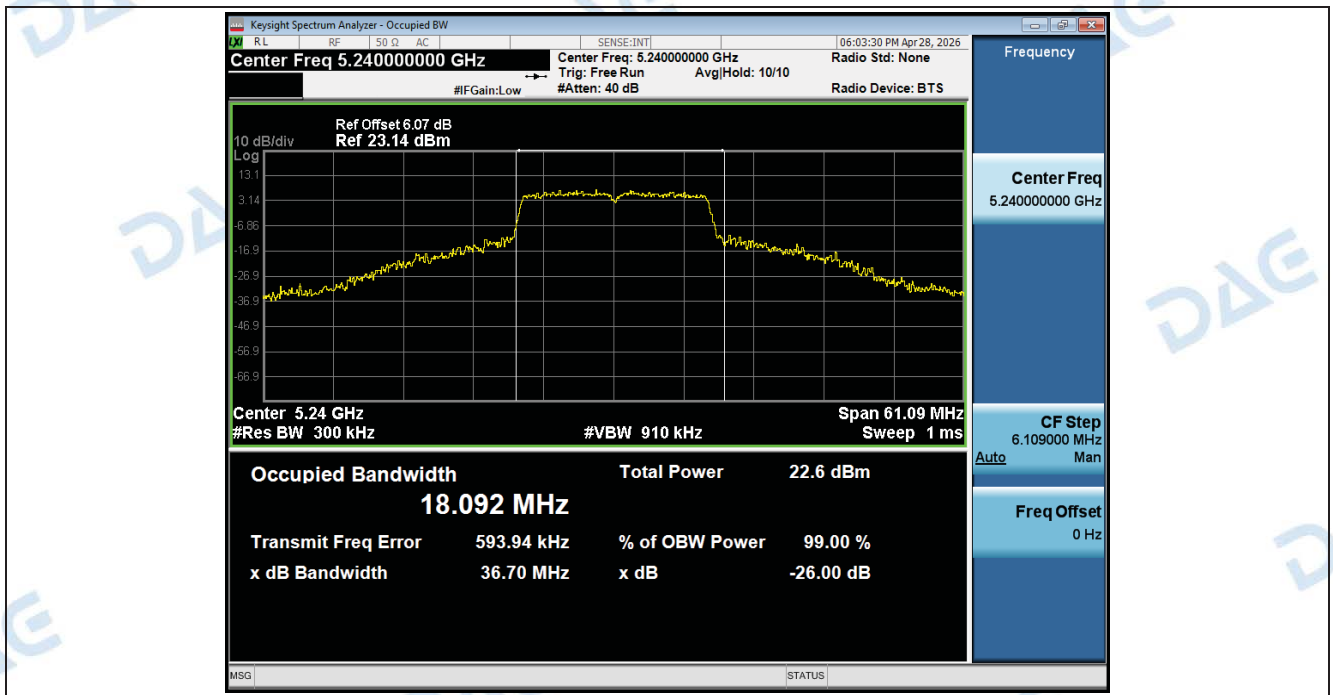


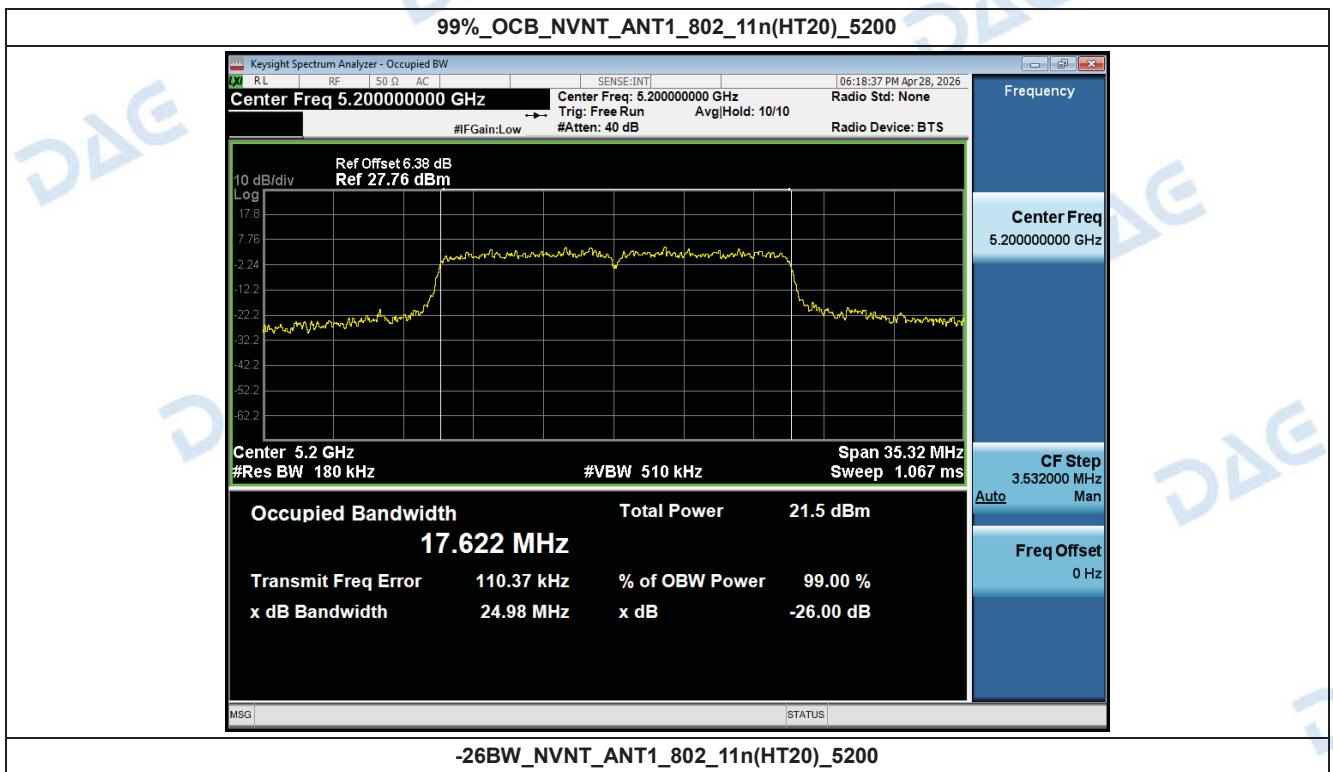
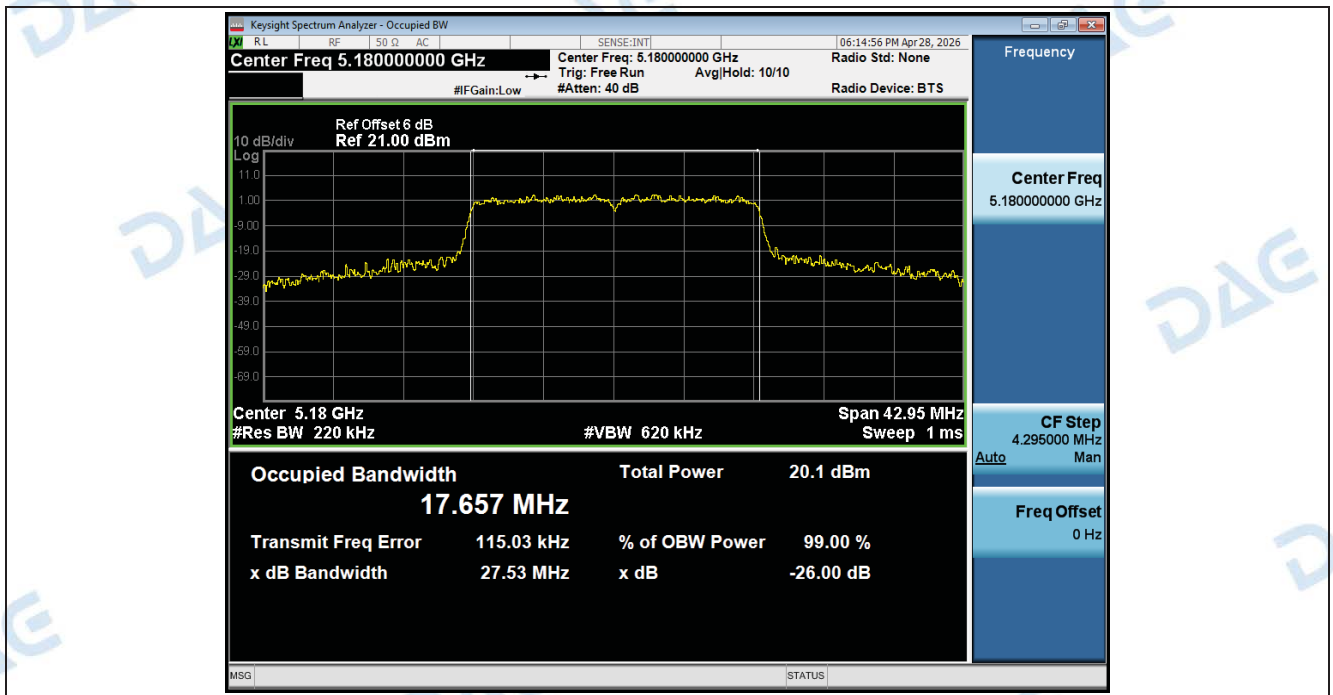


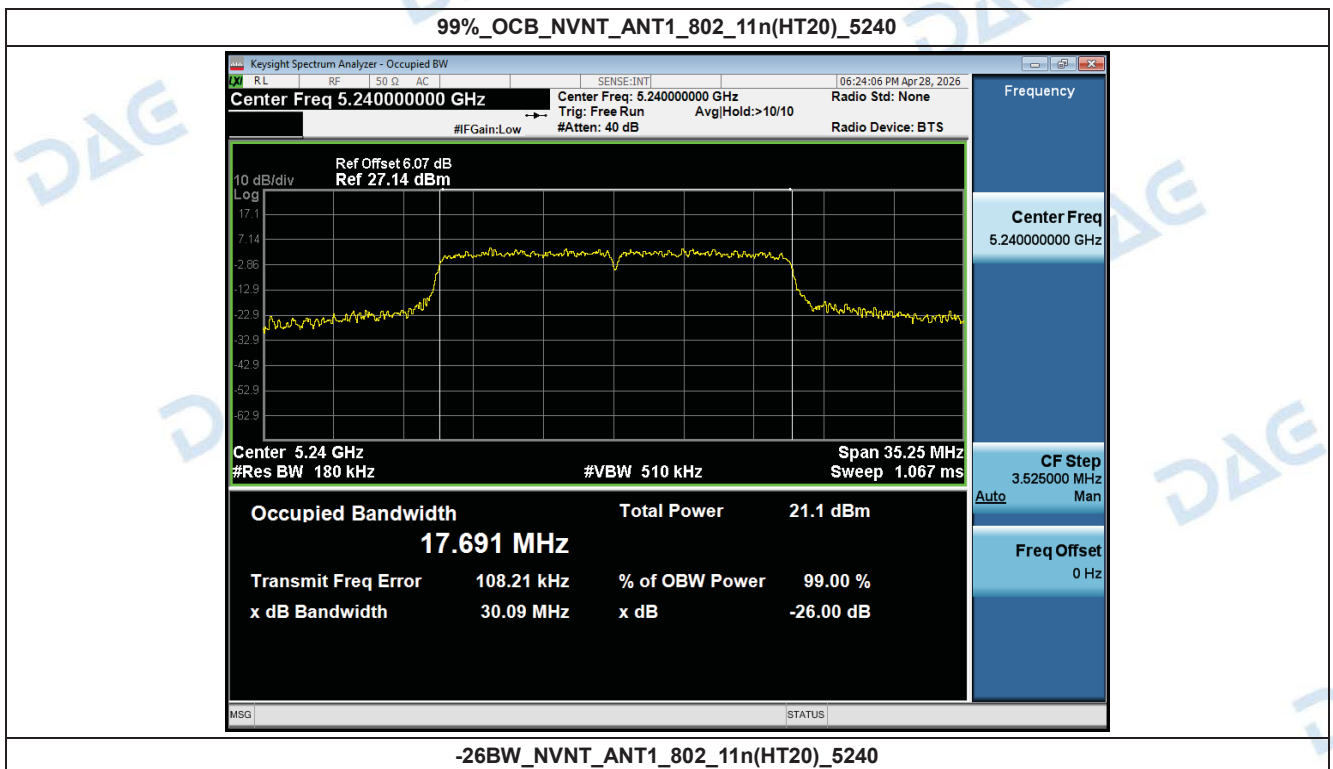
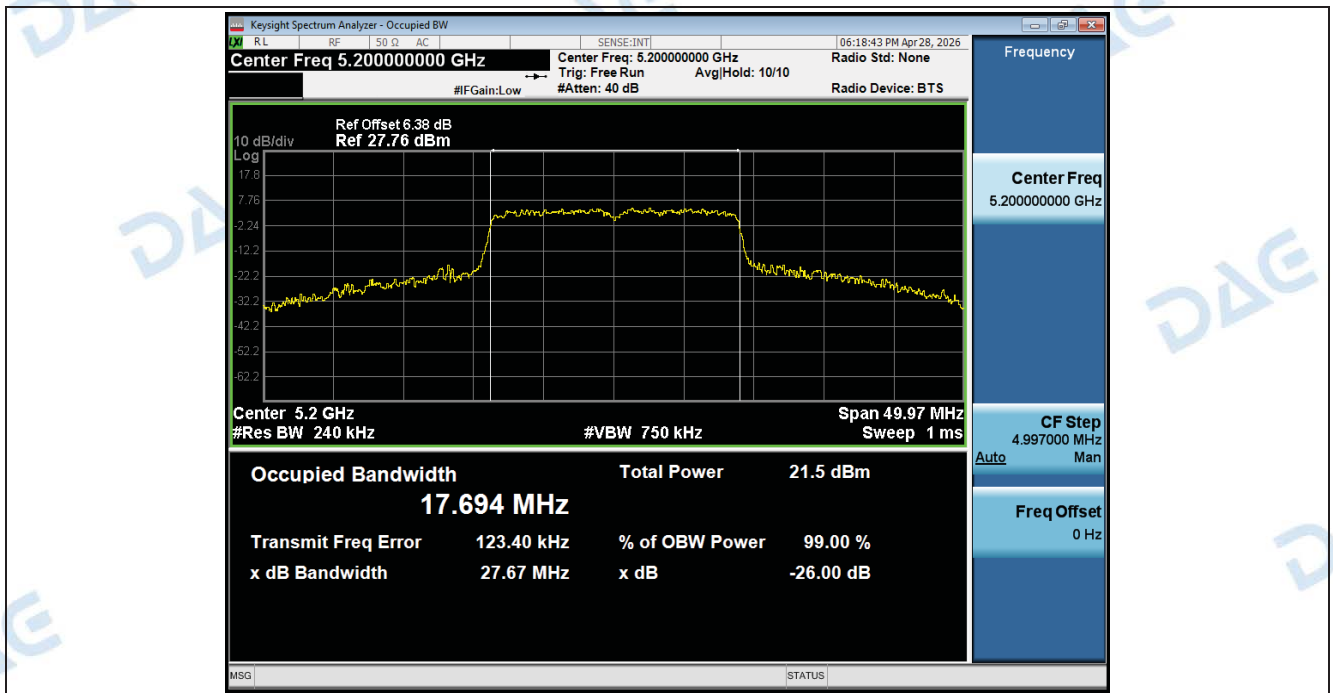
99%_OCB_NVNT_ANT1_802_11a_5240



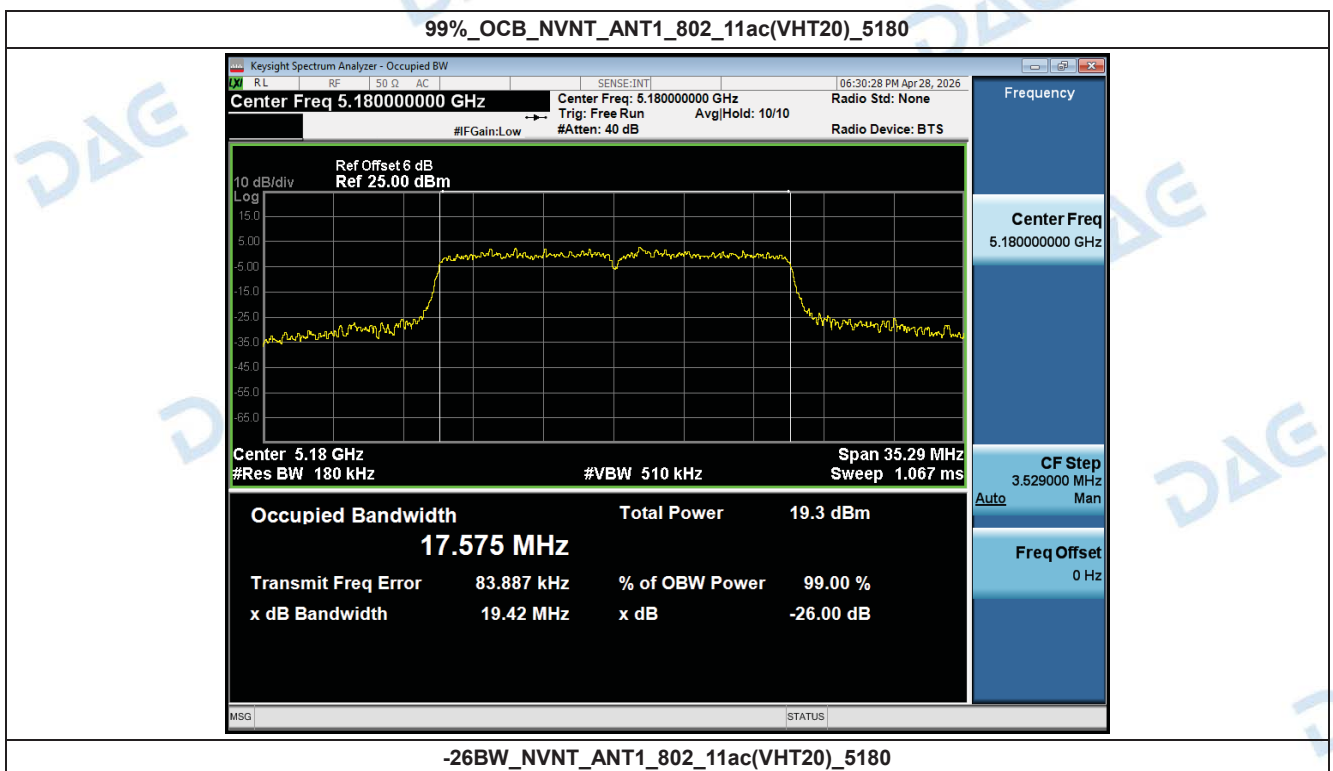
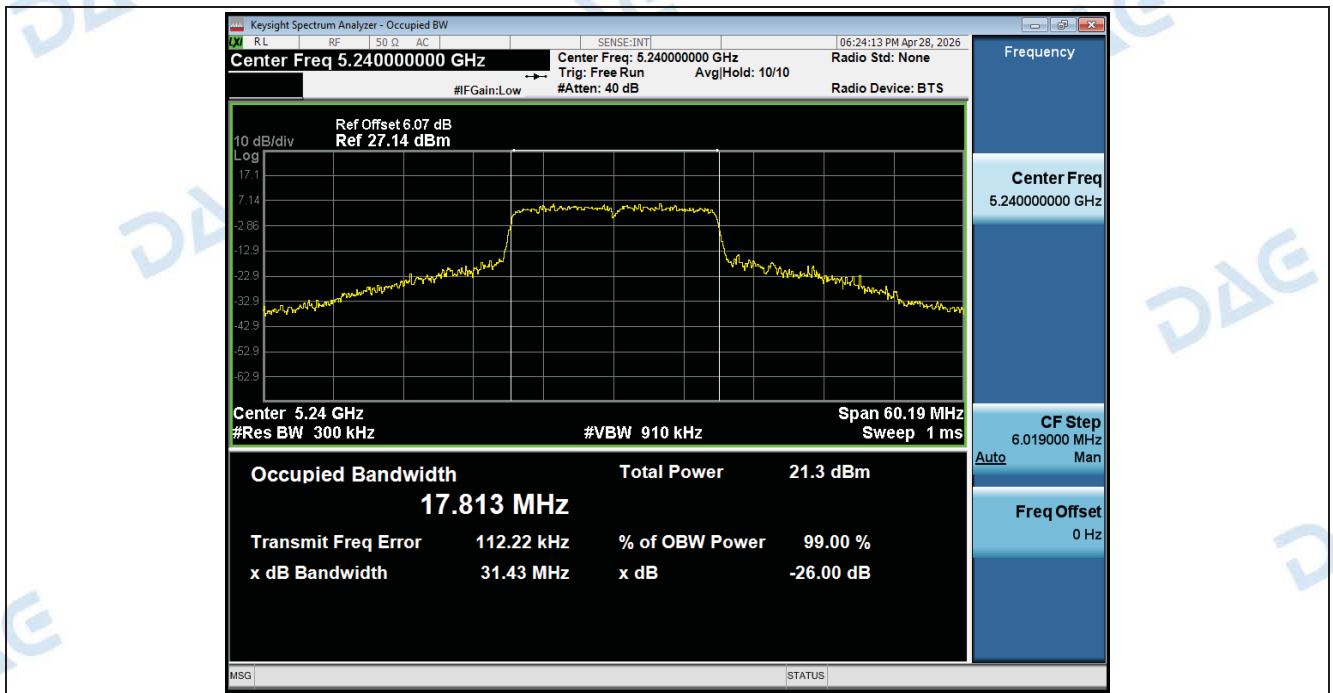
-26BW_NVNT_ANT1_802_11a_5240

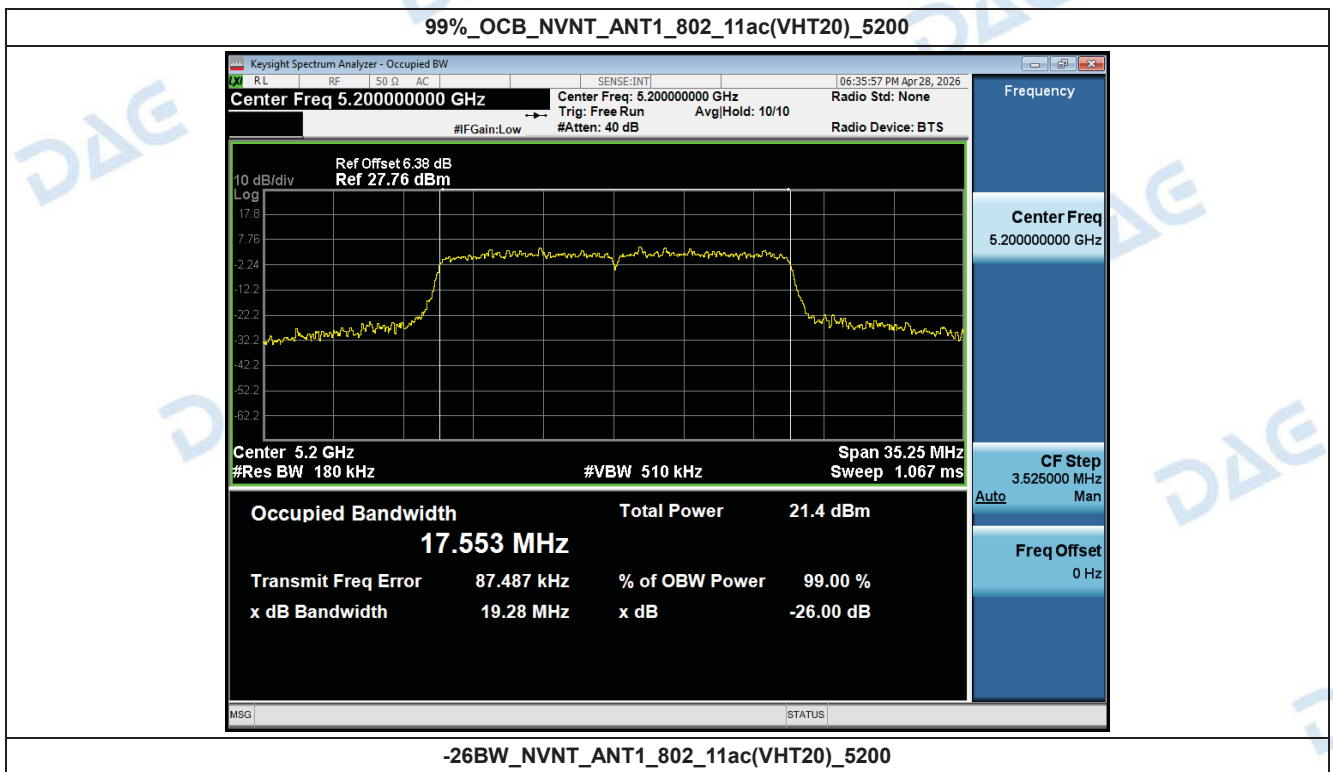
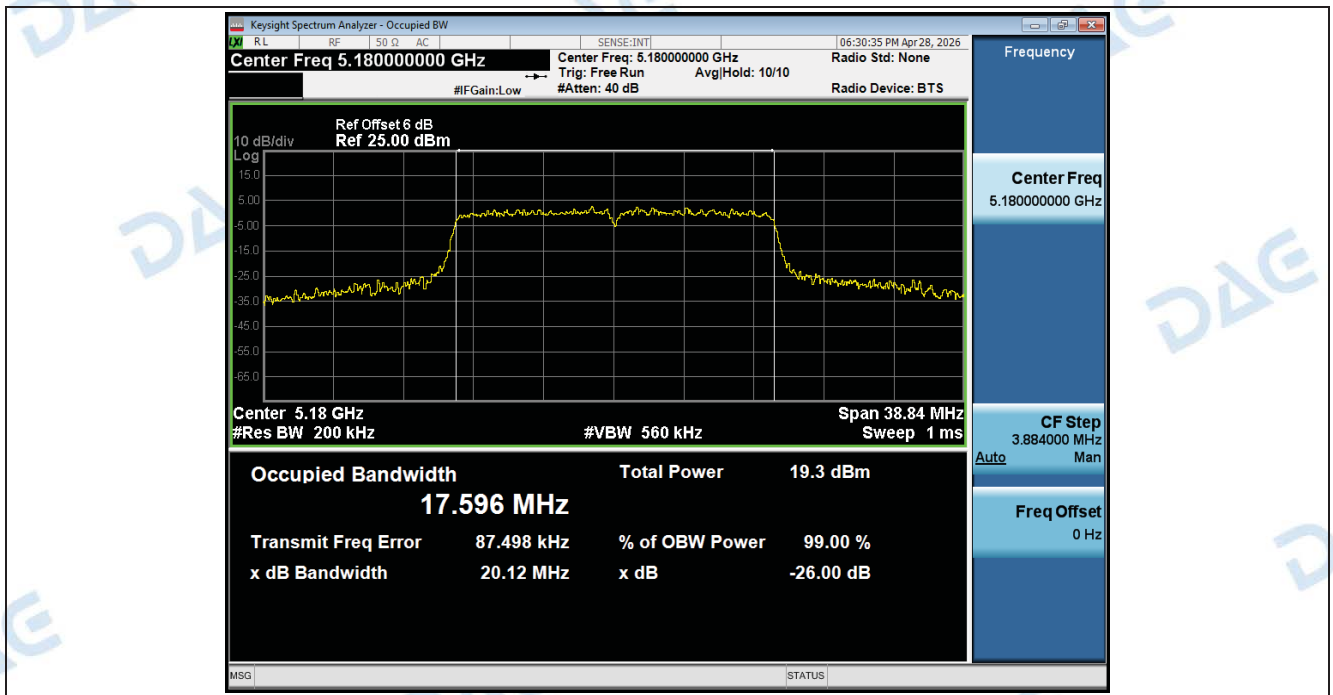


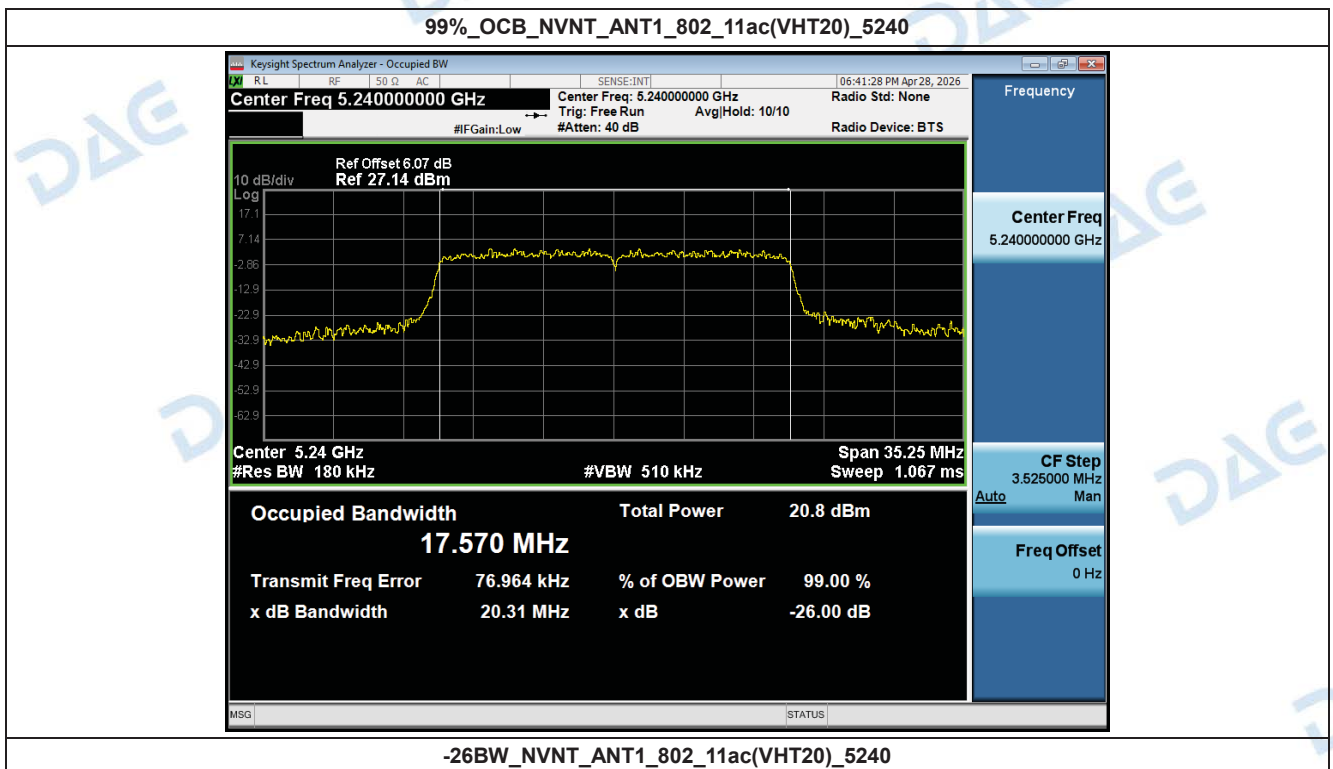
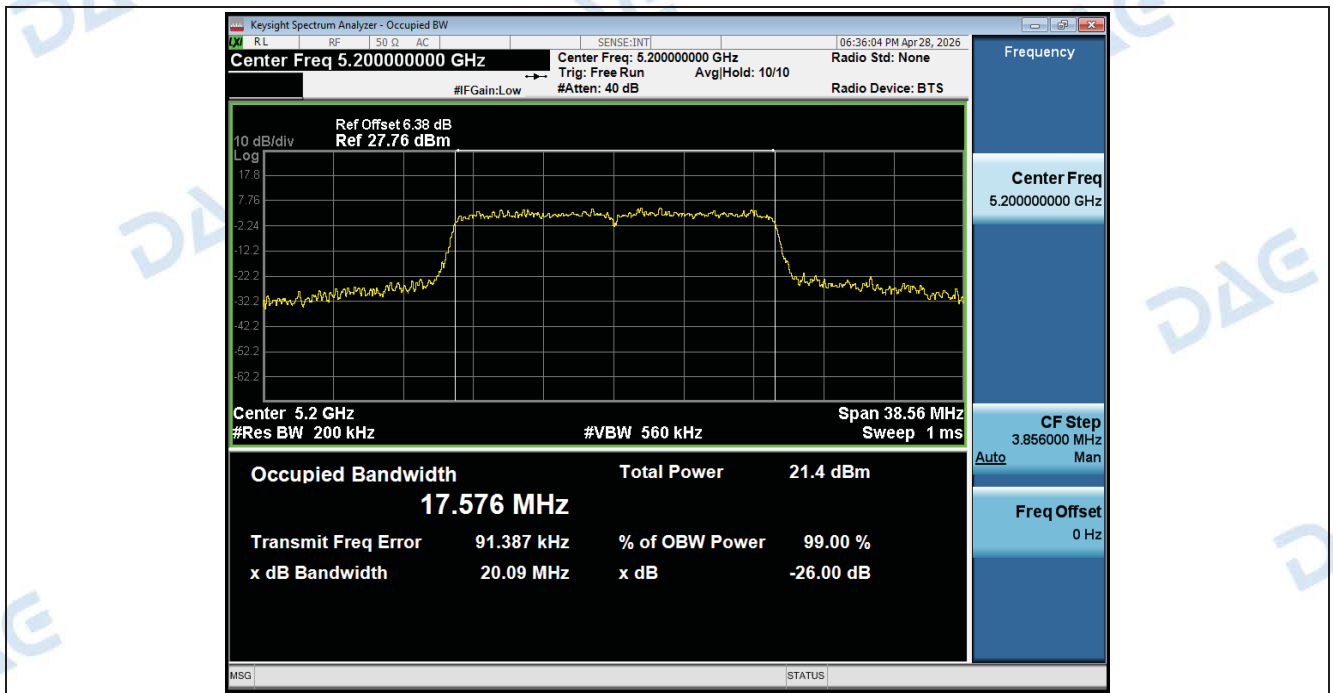




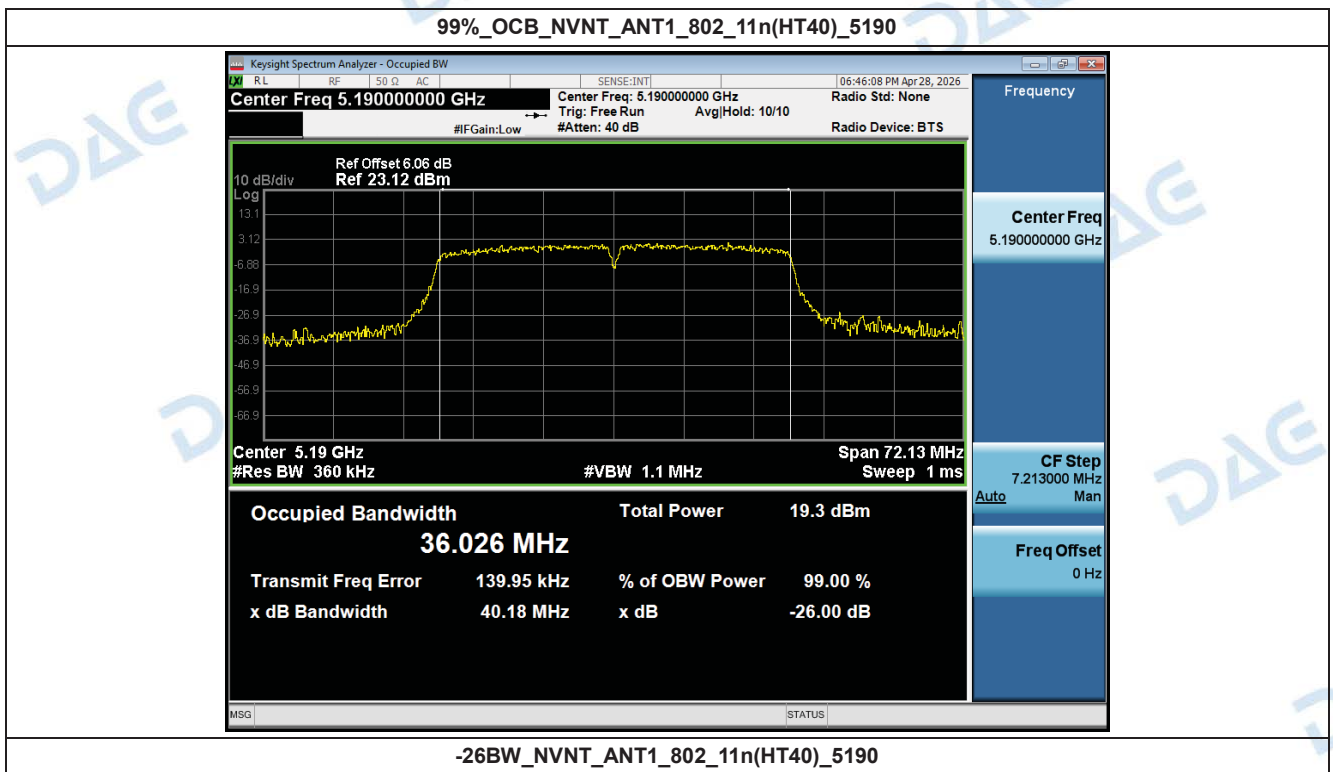
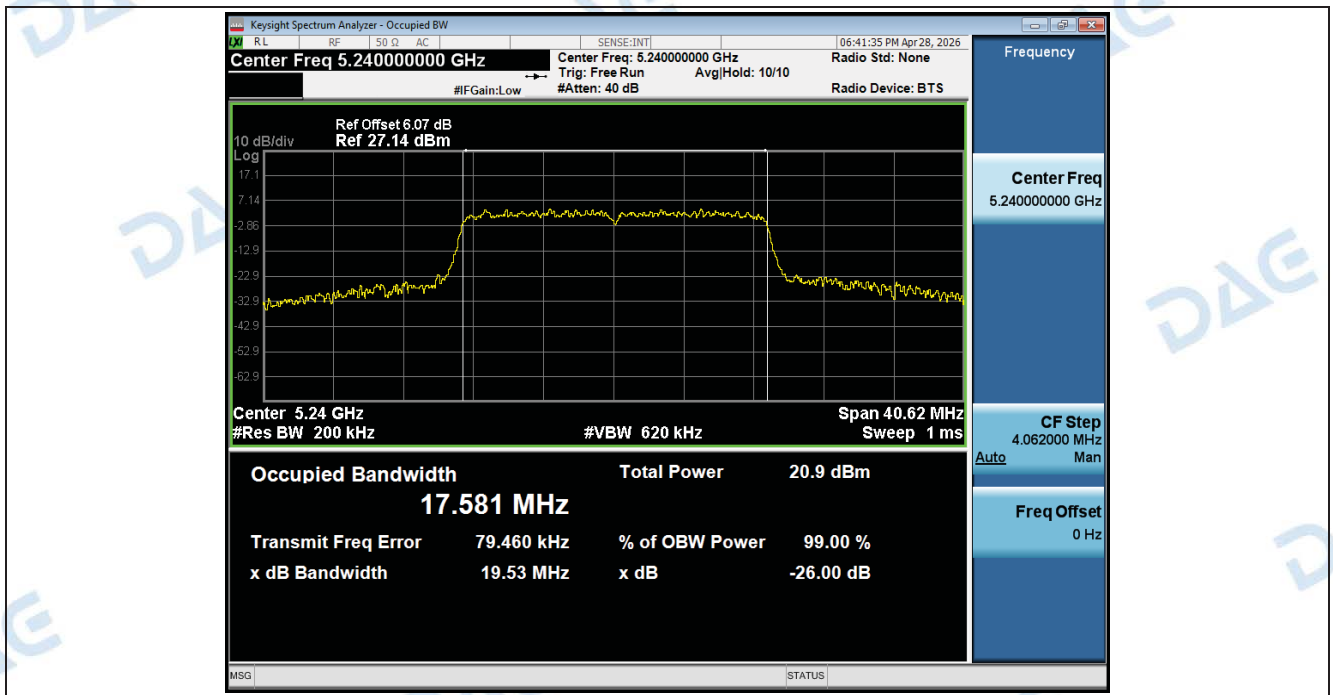
-26BW_NVNT_ANT1_802_11n(HT20)_5240

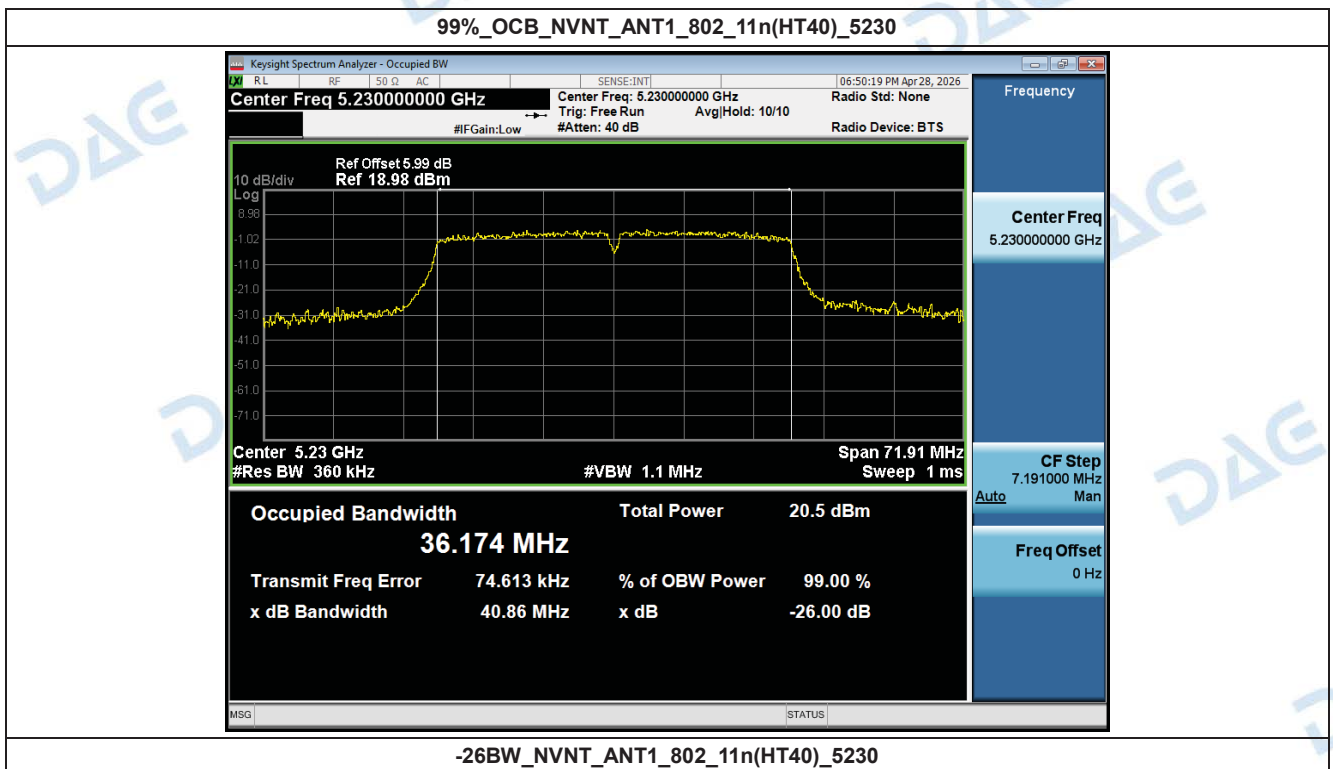
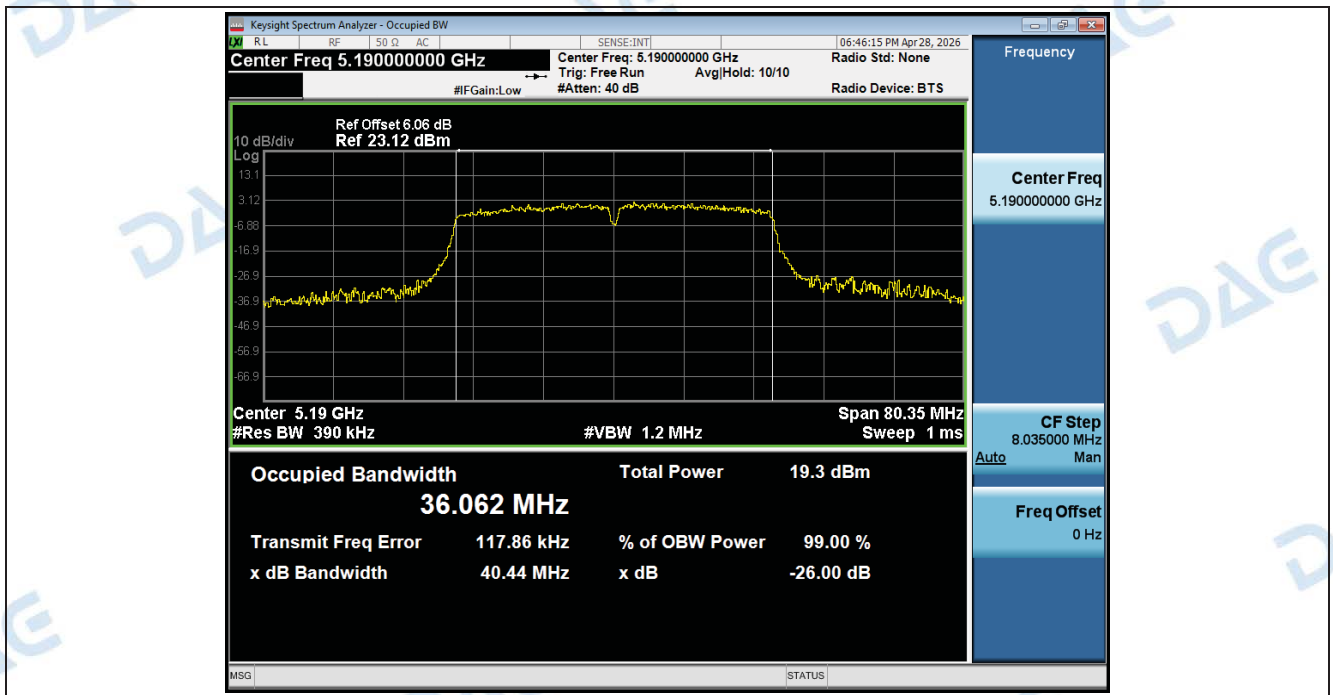




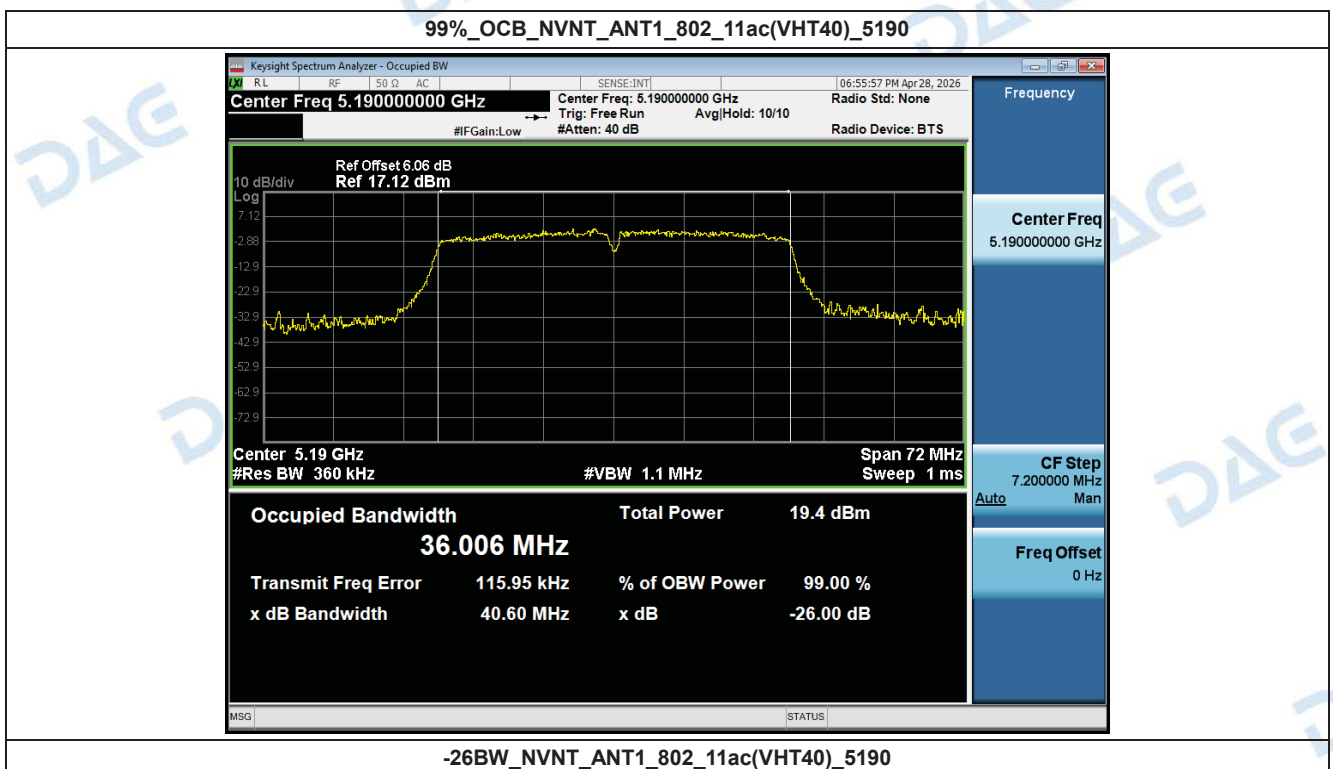
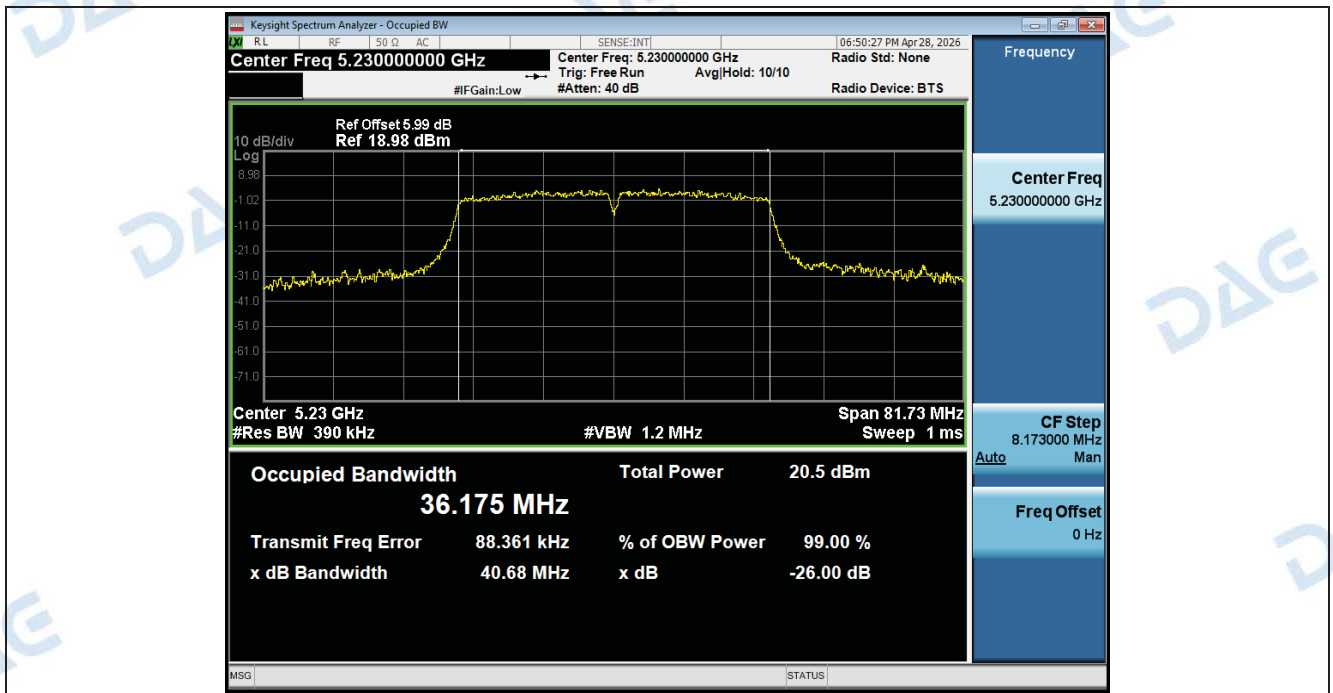


-26BW_NVNT_ANT1_802_11ac(VHT20)_5240

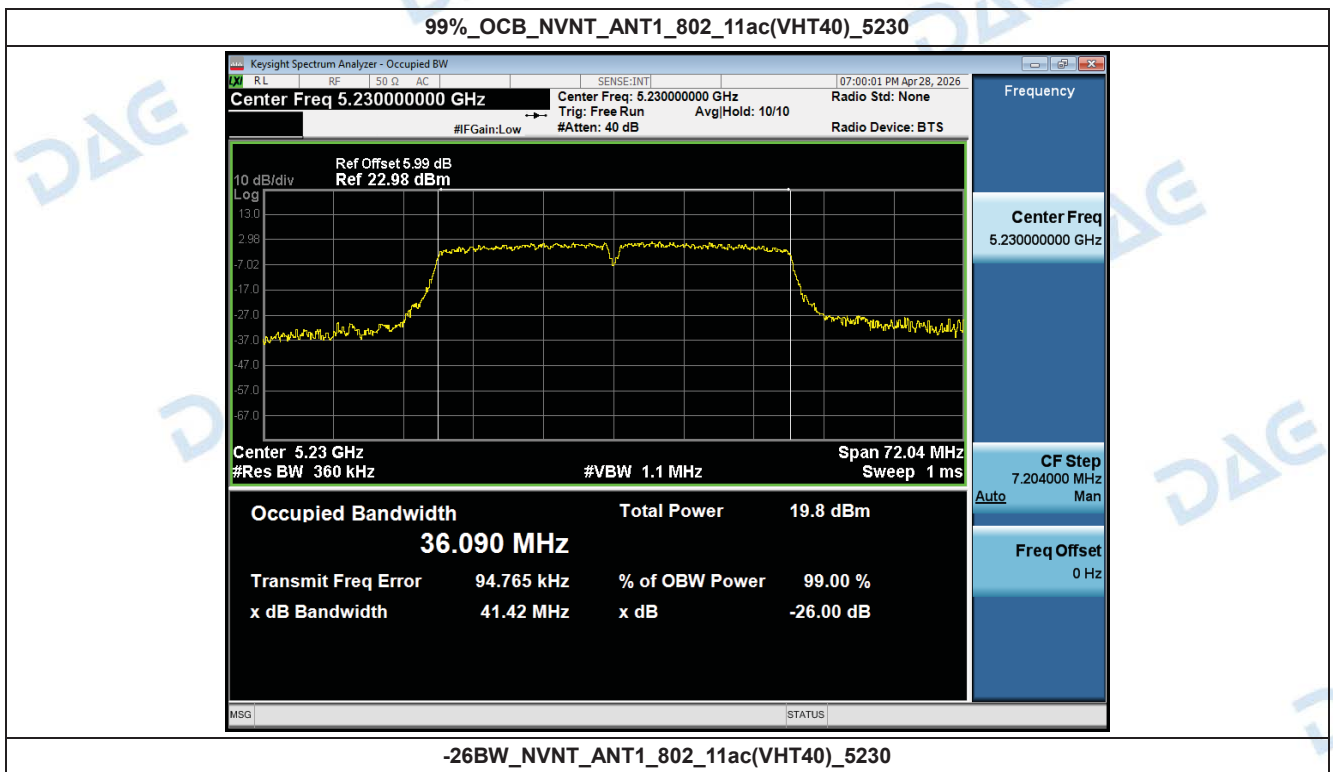
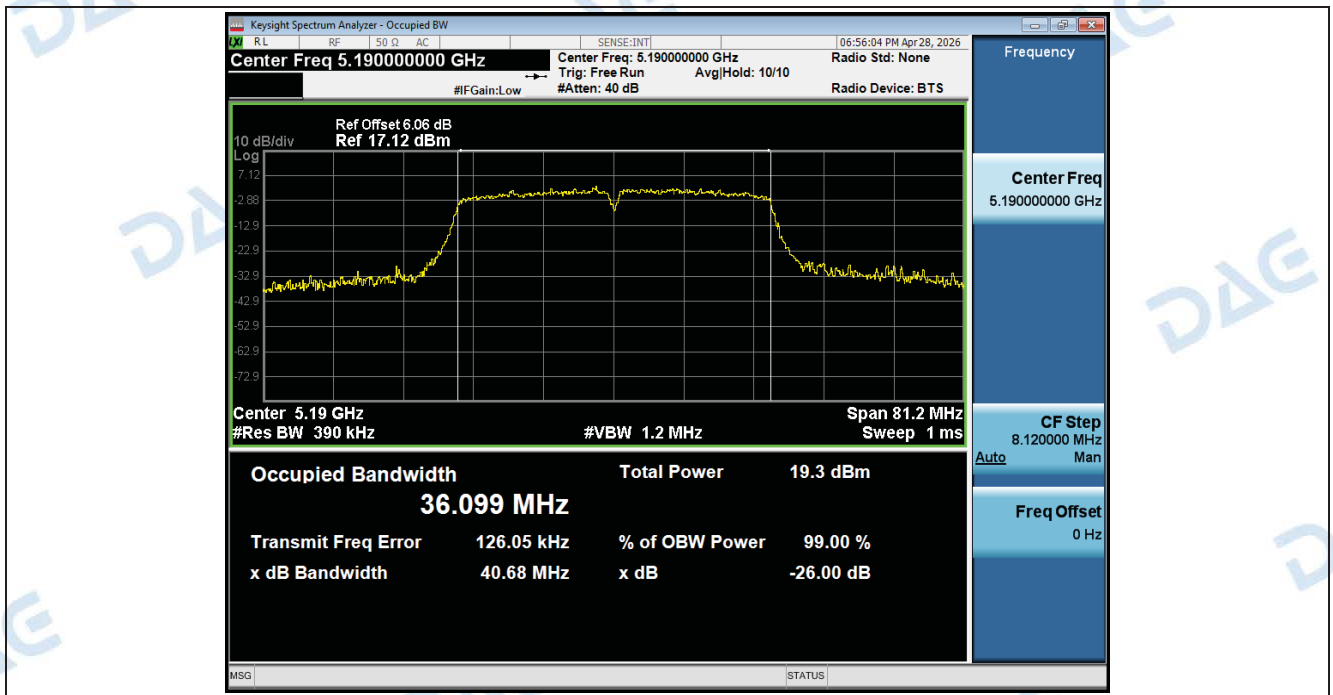


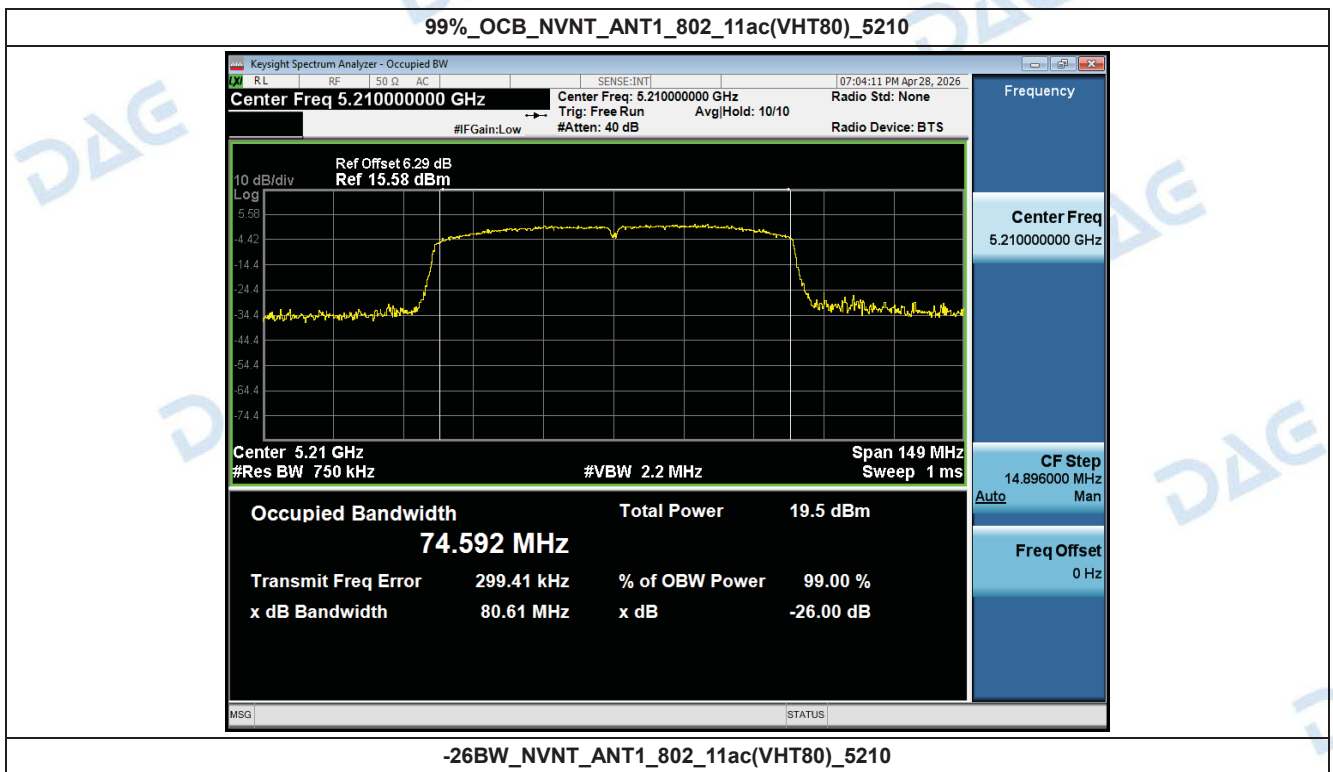
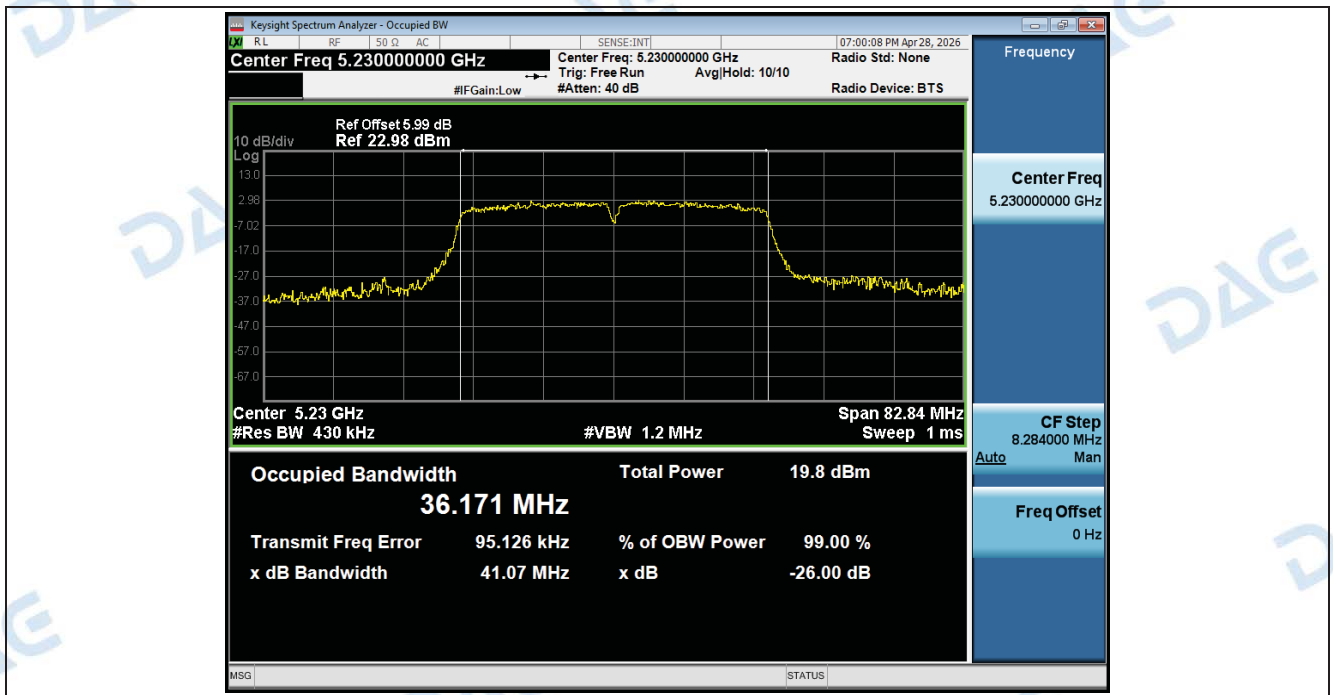


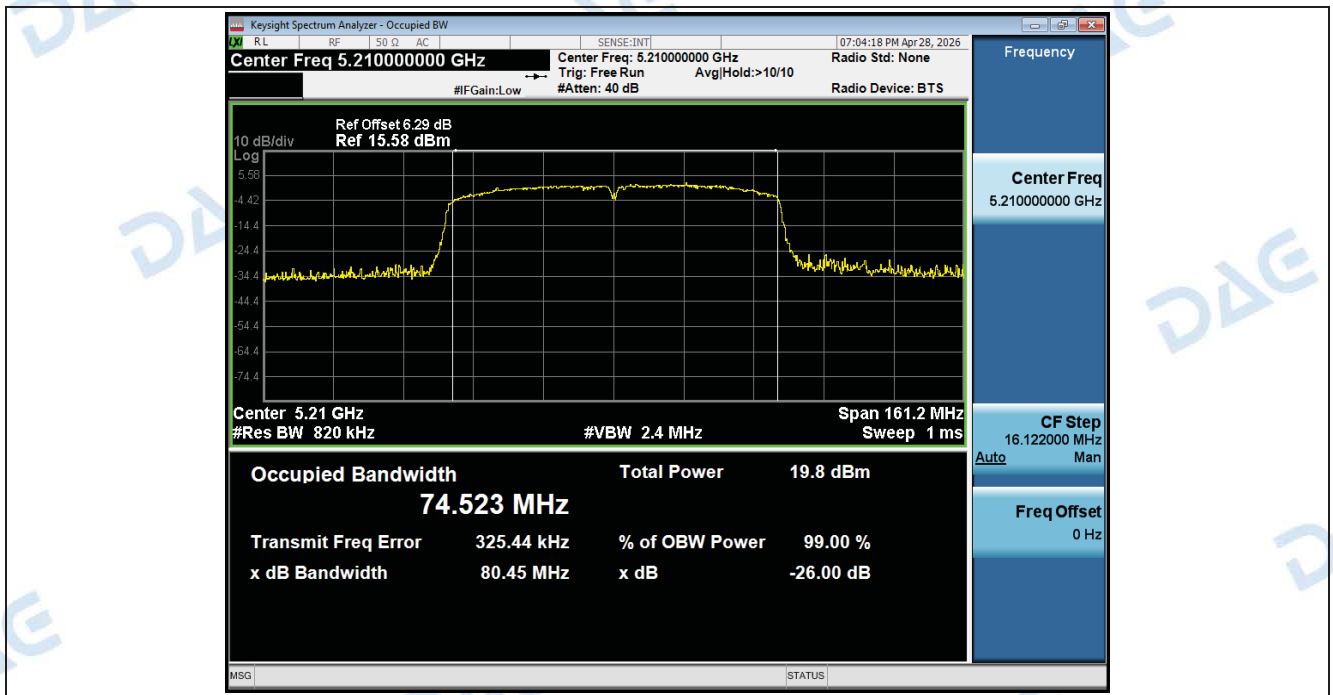
-26BW_NVNT_ANT1_802_11n(HT40)_5230



-26BW_NVNT_ANT1_802_11ac(VHT40)_5190



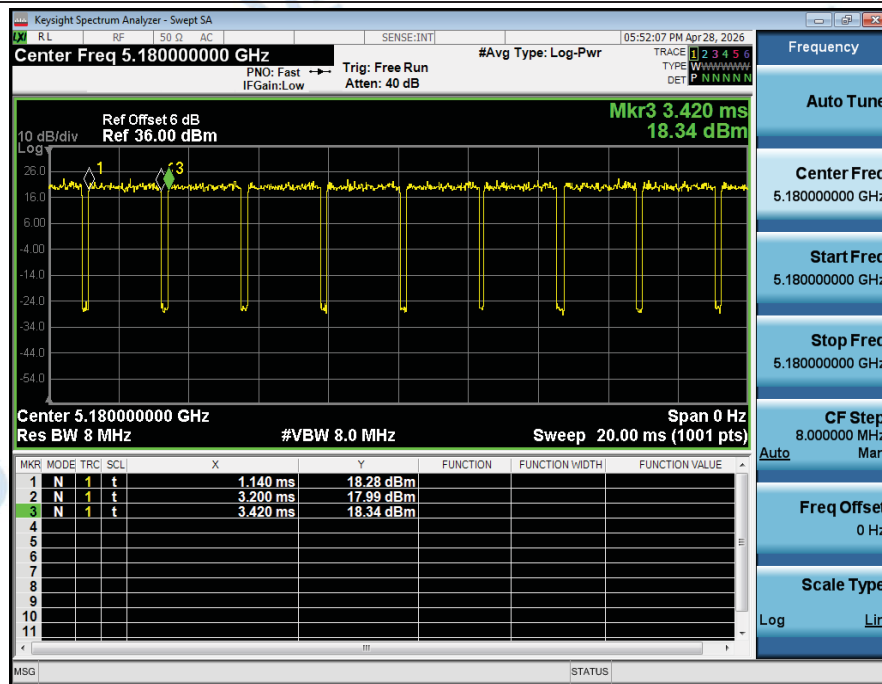




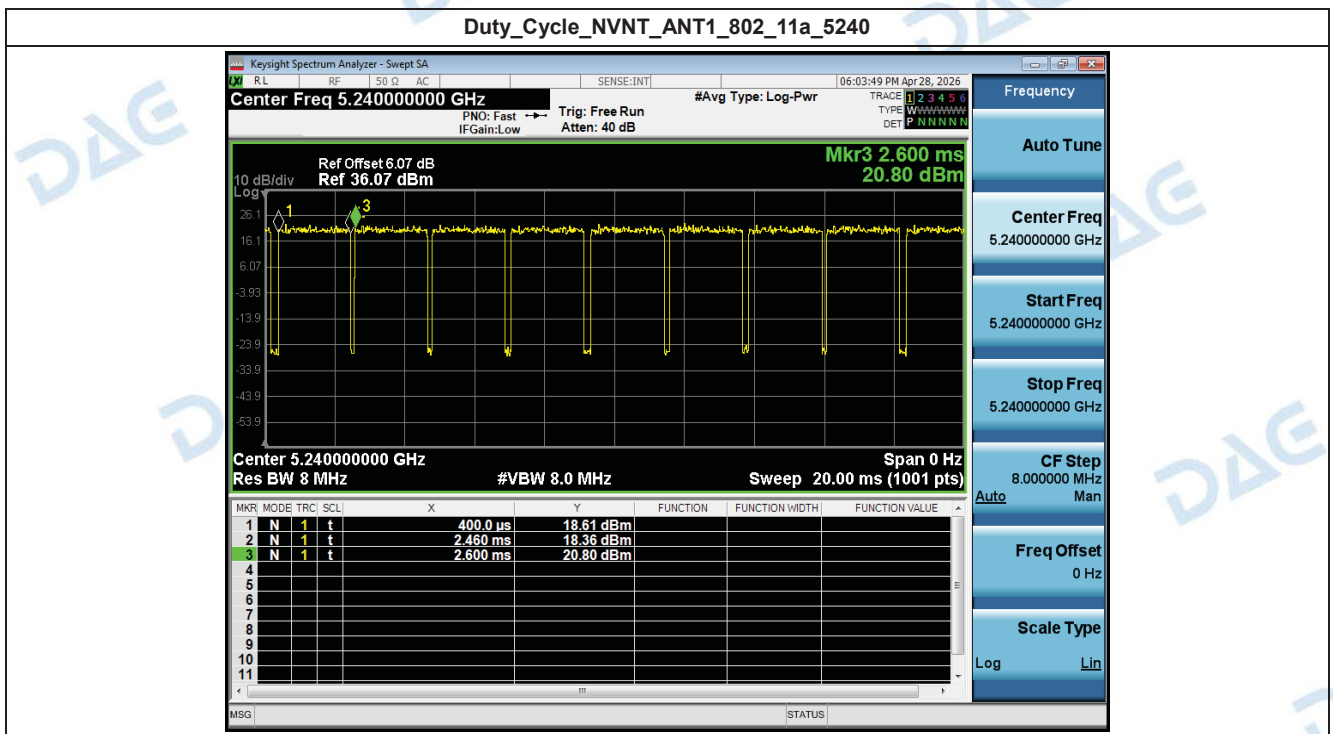
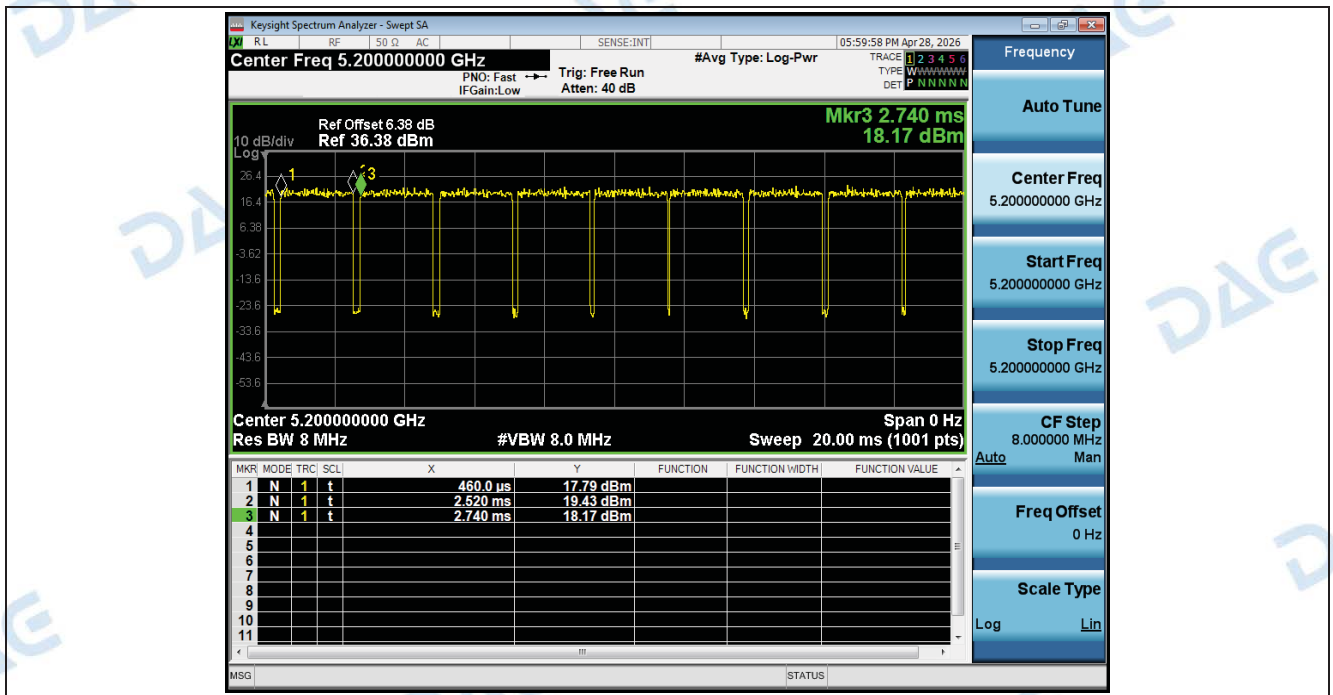
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT2	802.11a	5180.00	90.35	0.44
NVNT	ANT2	802.11a	5200.00	90.35	0.44
NVNT	ANT2	802.11a	5240.00	93.64	0.29
NVNT	ANT2	802.11n(HT20)	5180.00	94.12	0.26
NVNT	ANT2	802.11n(HT20)	5200.00	91.43	0.39
NVNT	ANT2	802.11n(HT20)	5240.00	93.20	0.31
NVNT	ANT2	802.11ac(VHT20)	5180.00	88.18	0.55
NVNT	ANT2	802.11ac(VHT20)	5200.00	92.38	0.34
NVNT	ANT2	802.11ac(VHT20)	5240.00	88.89	0.51
NVNT	ANT2	802.11n(HT40)	5190.00	56.47	2.48
NVNT	ANT2	802.11n(HT40)	5230.00	82.76	0.82
NVNT	ANT2	802.11ac(VHT40)	5190.00	83.93	0.76
NVNT	ANT2	802.11ac(VHT40)	5230.00	88.89	0.51
NVNT	ANT2	802.11ac(VHT80)	5210.00	70.59	1.51

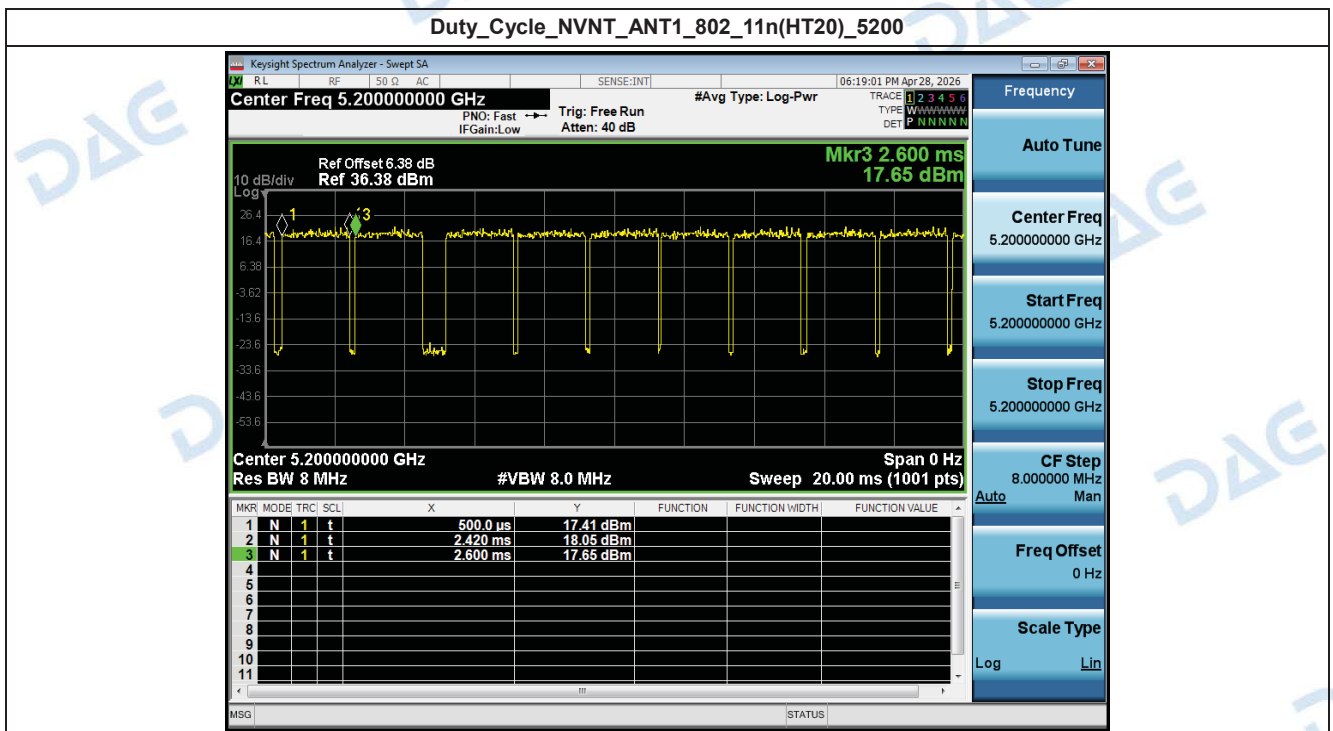
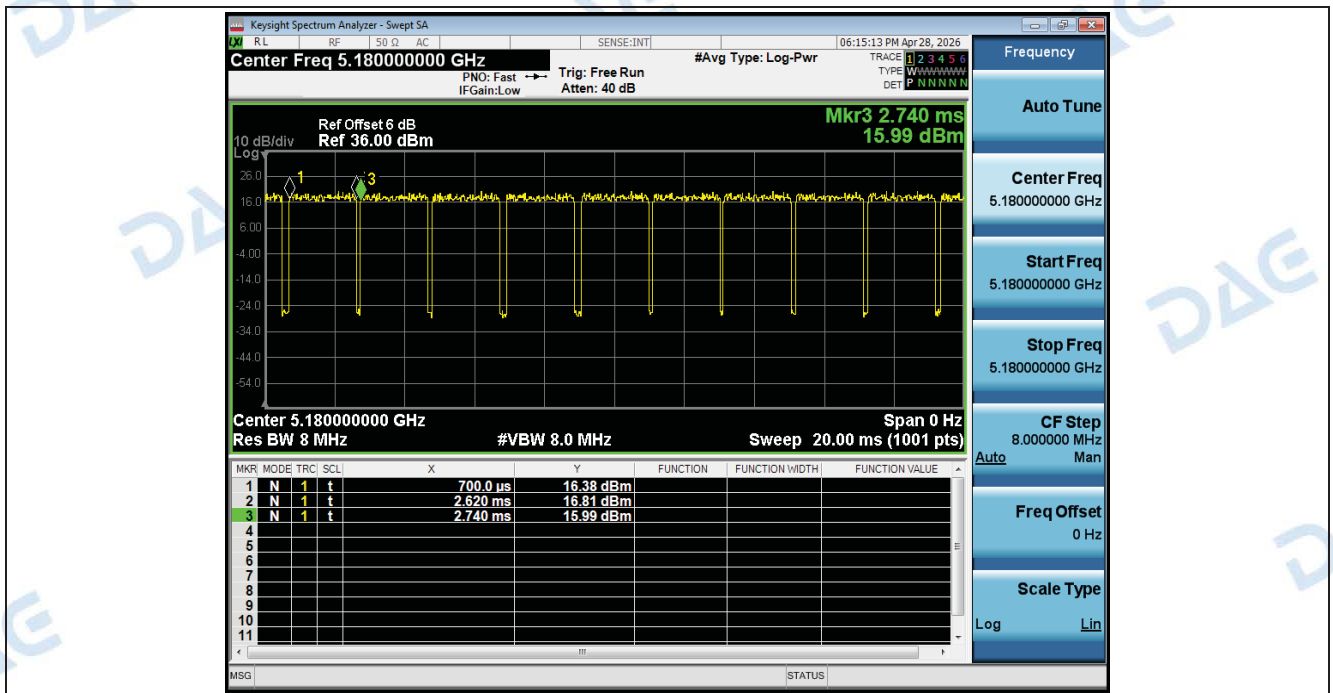
Duty_Cycle_NVNT_ANT1_802_11a_5180



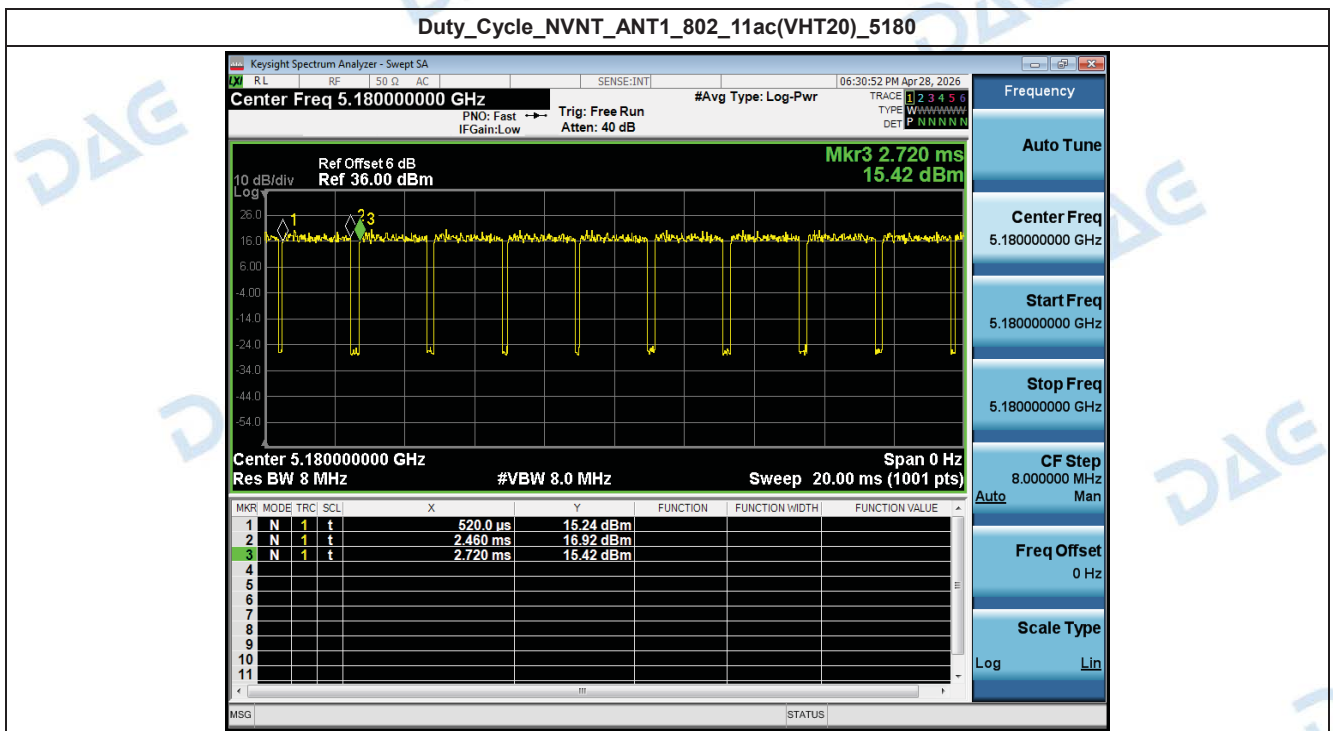
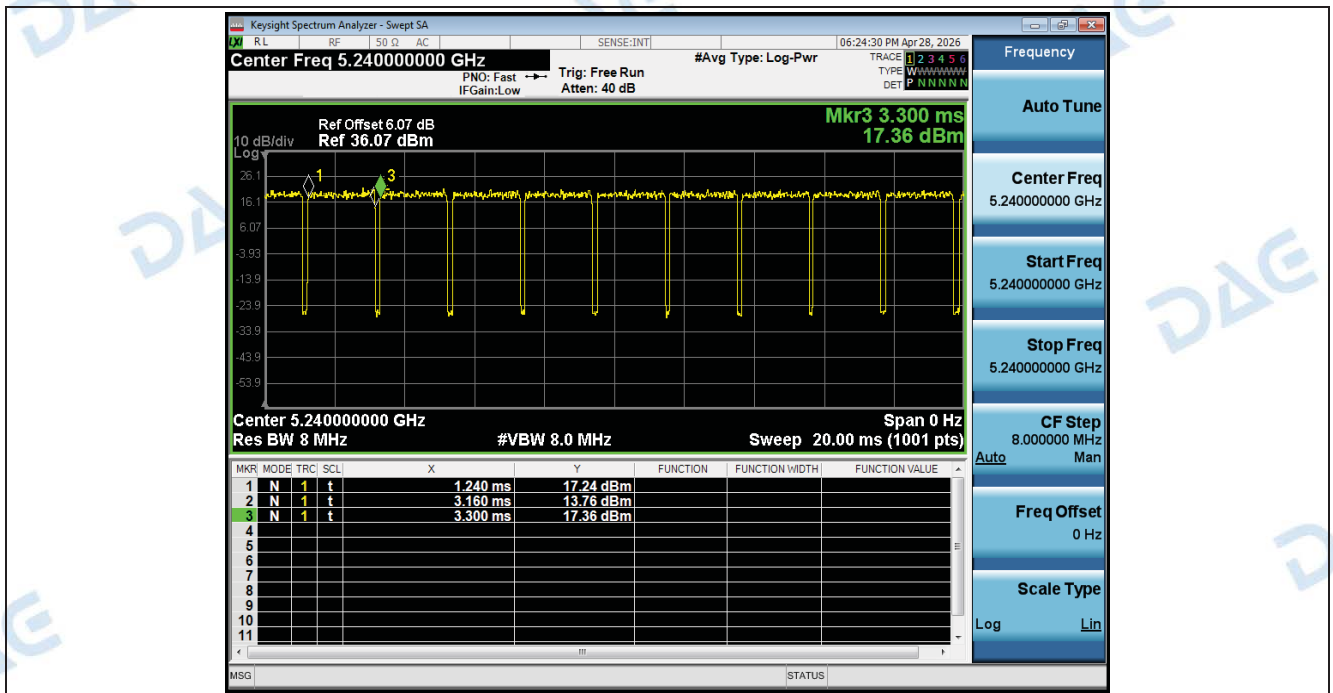
Duty_Cycle_NVNT_ANT1_802_11a_5200



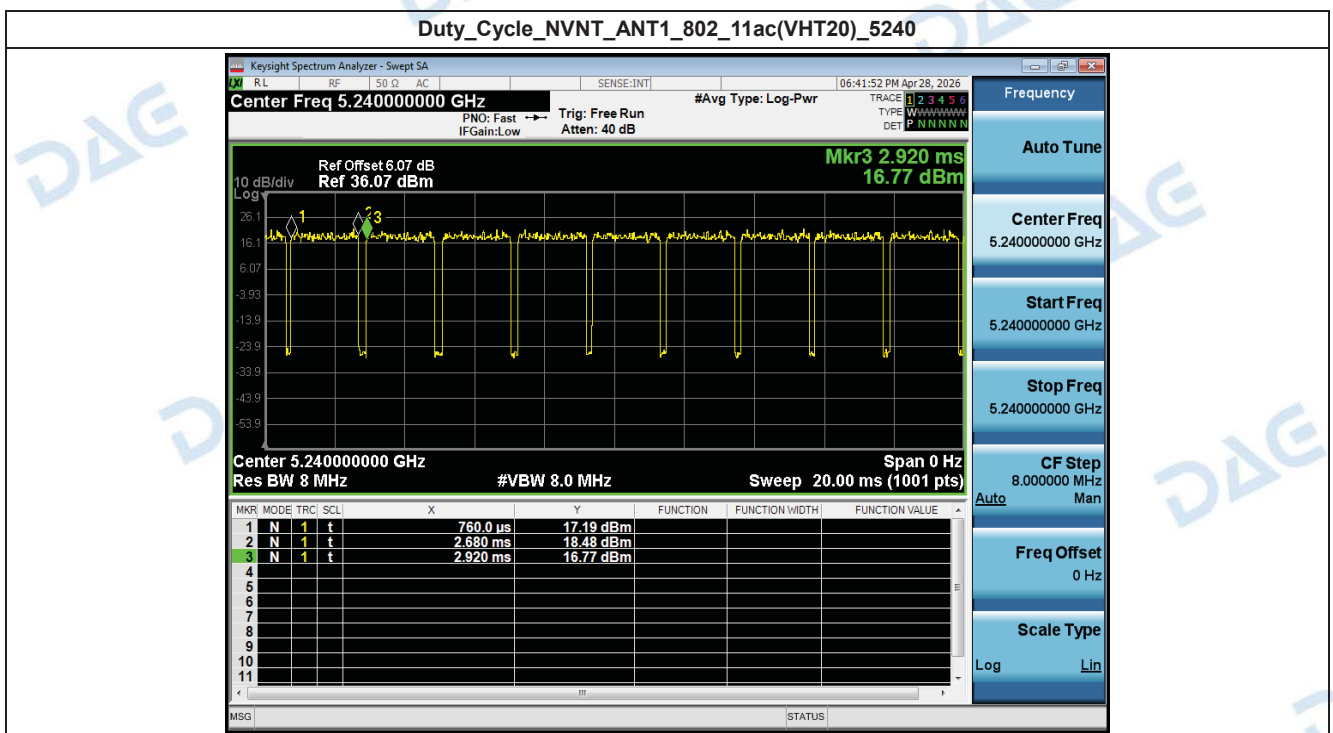
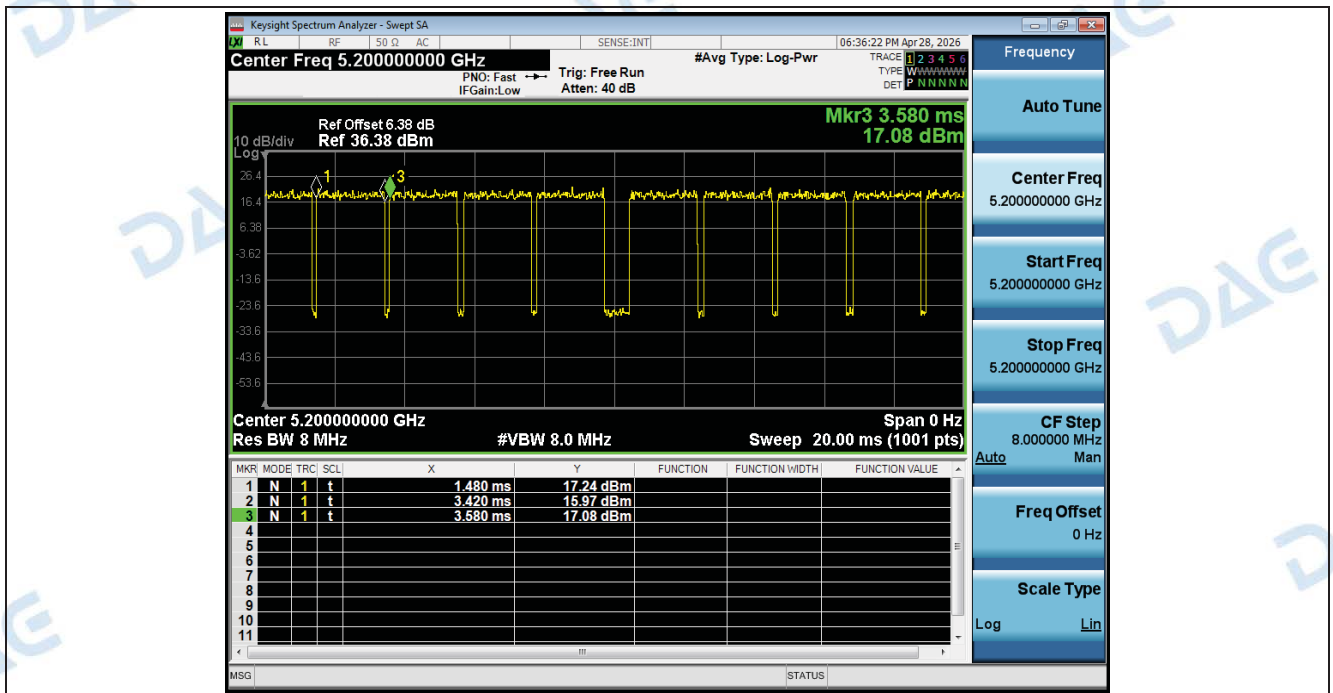
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5180



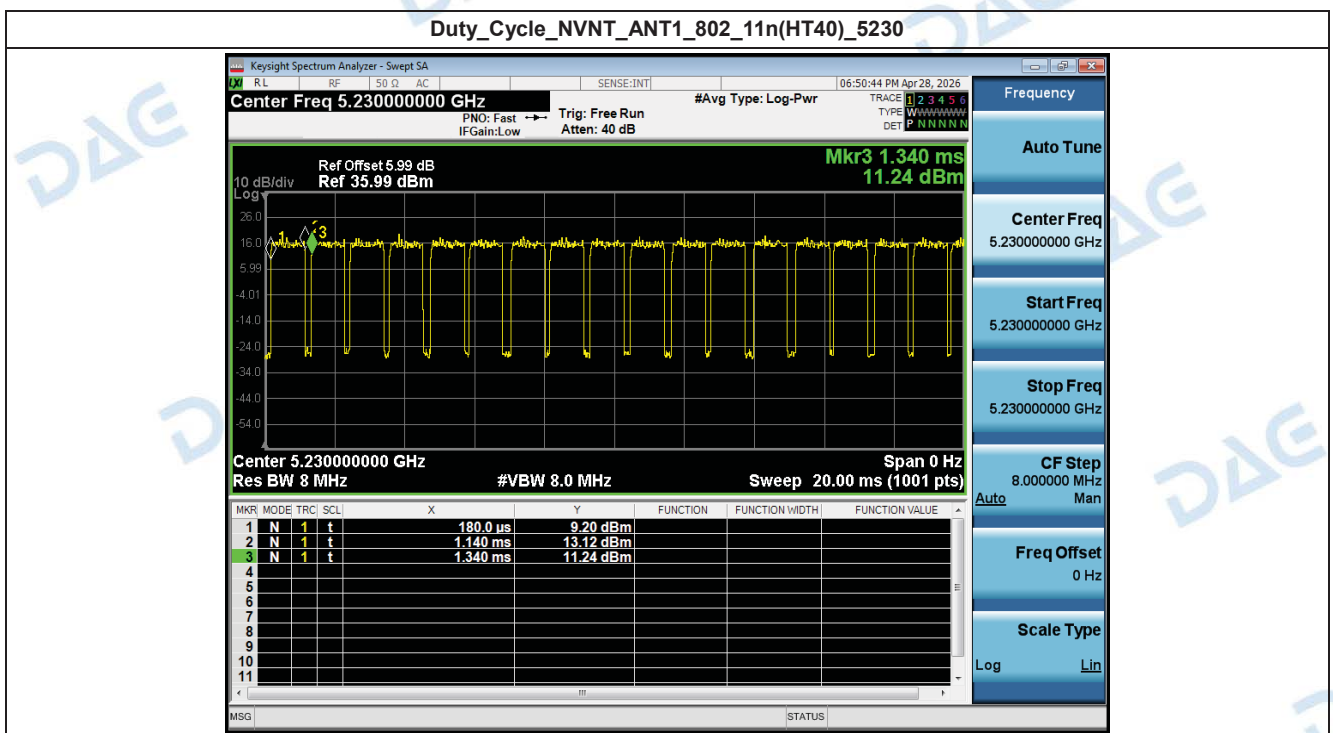
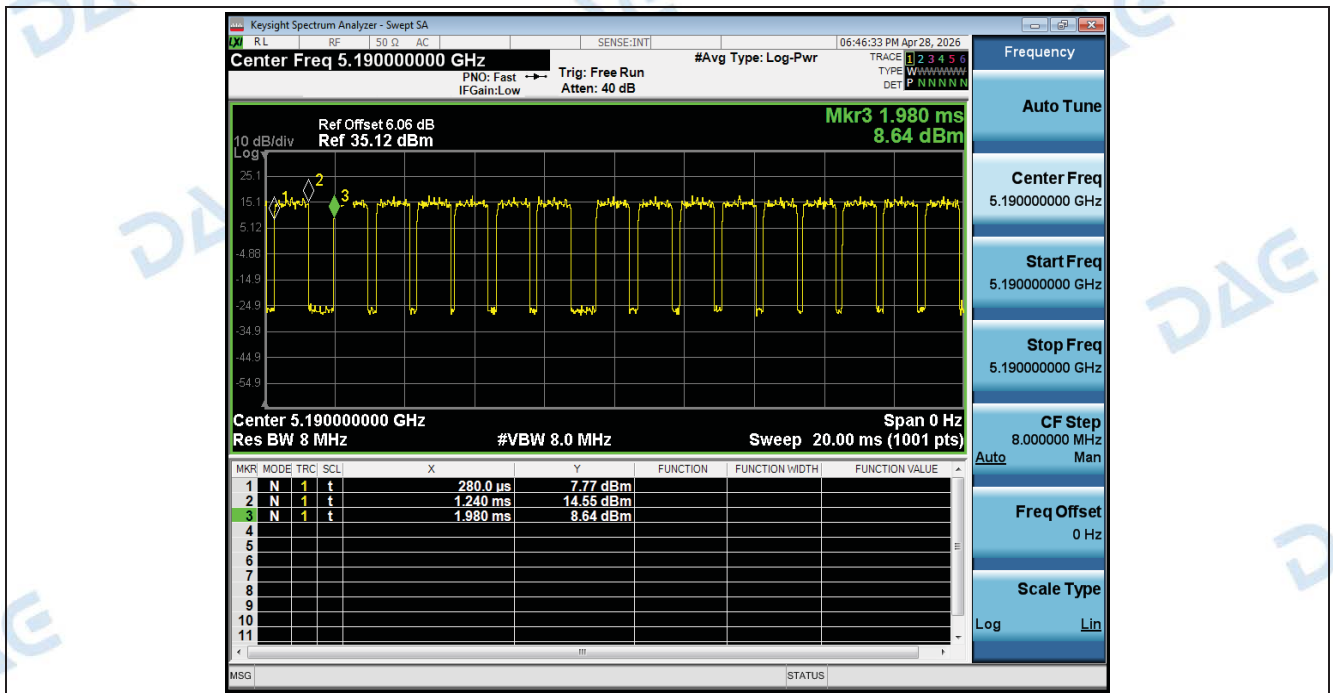
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5240



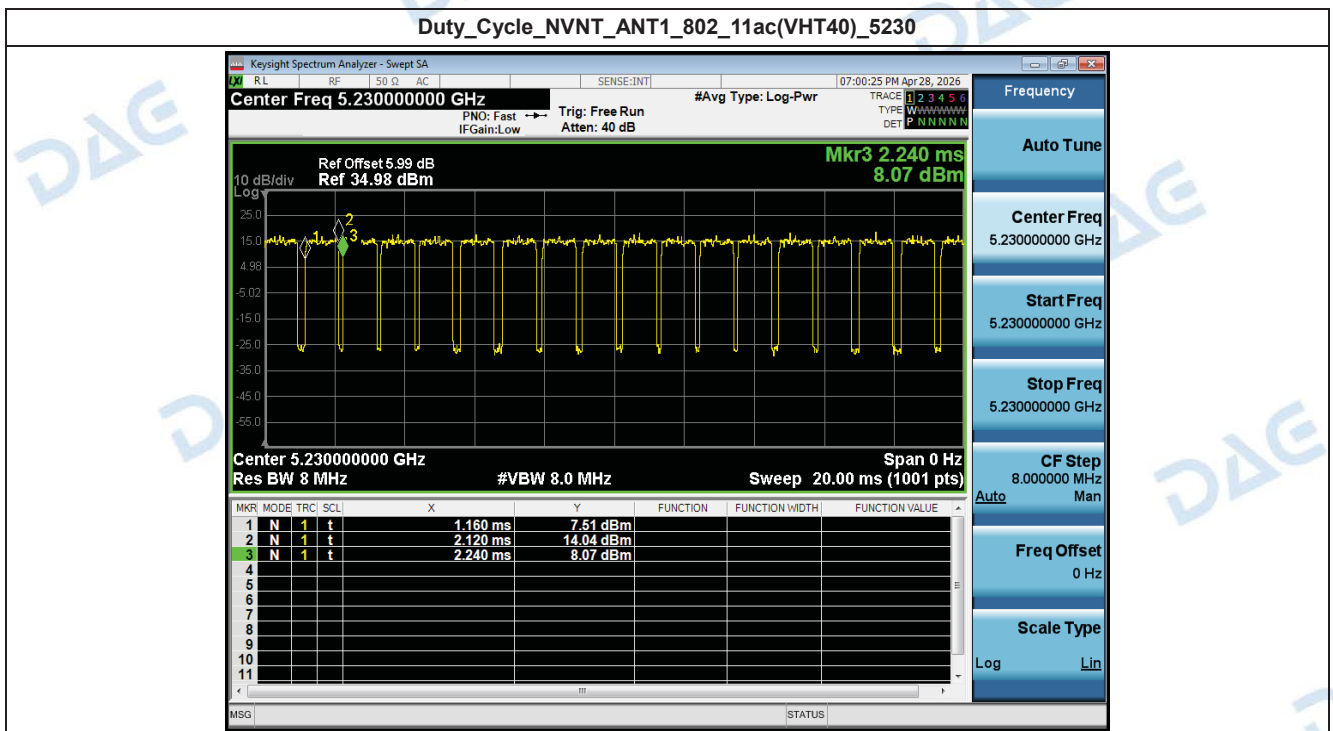
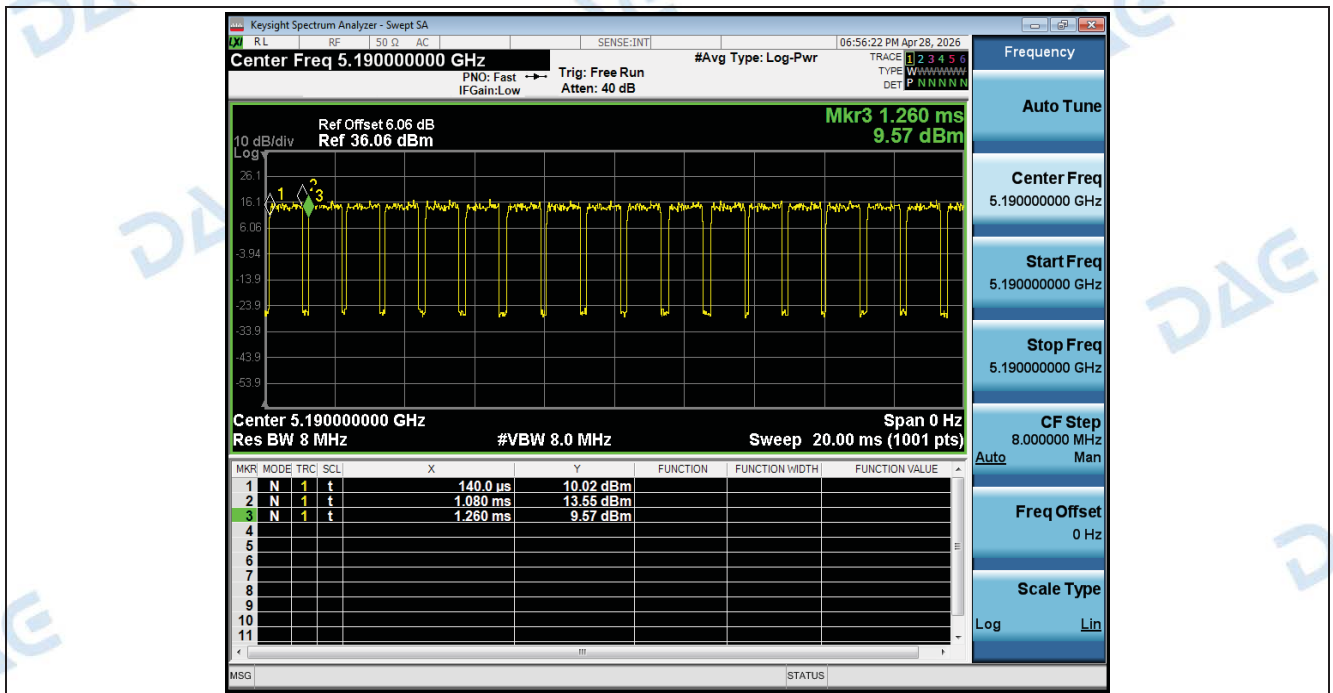
Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5200



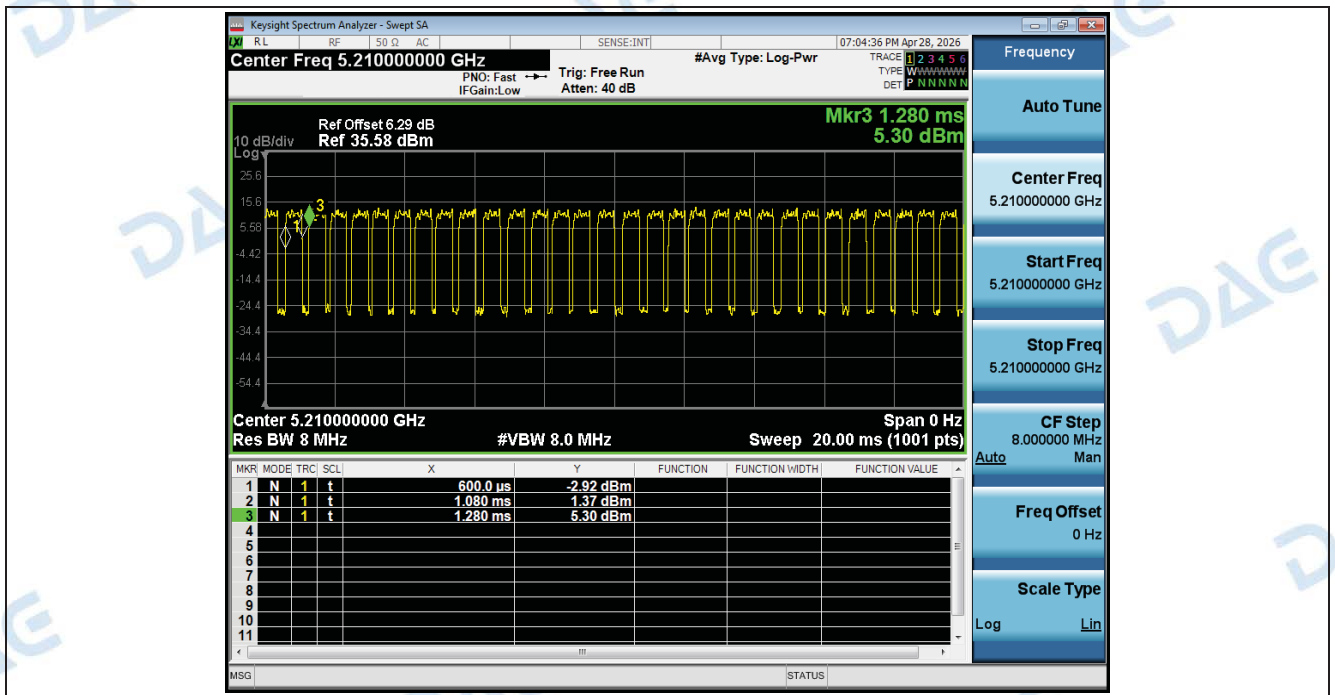
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5190



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5190



Duty_Cycle_NVNT_ANT1_802_11ac(VHT80)_5210



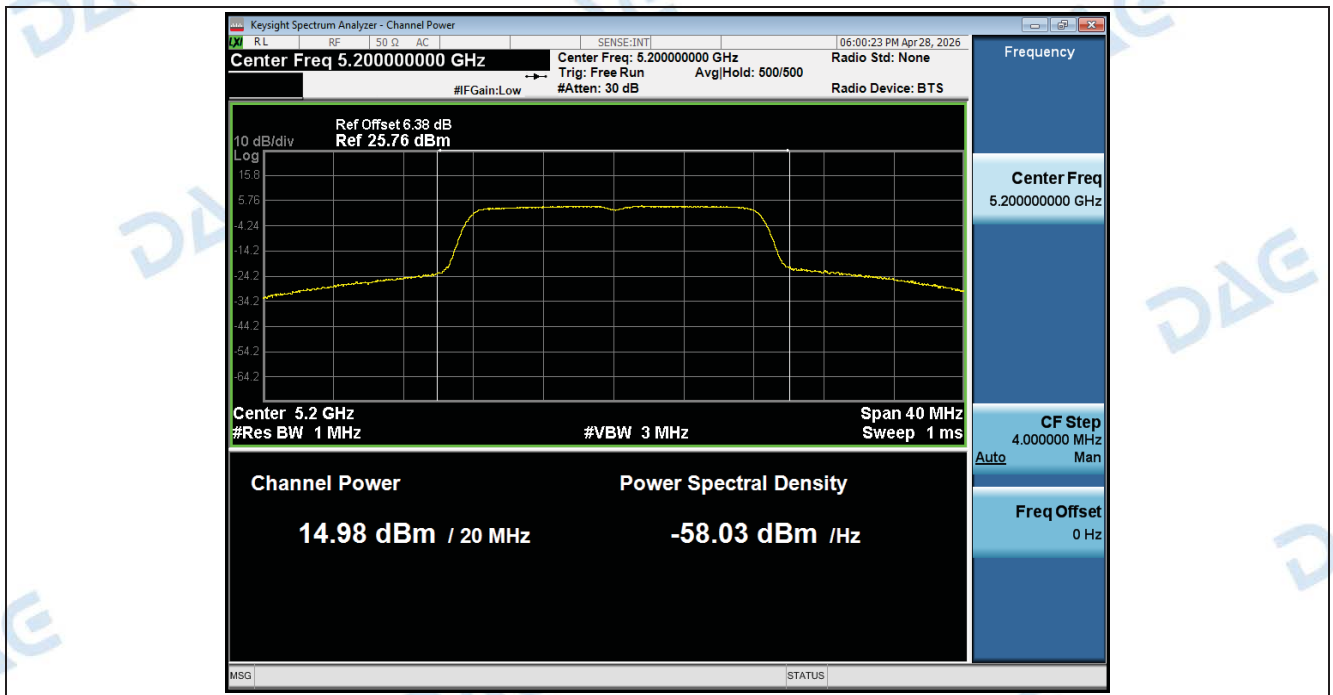
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11a	5180.00	14.38	0.44	14.82	24	Pass
NVNT	ANT2	802.11a	5200.00	14.98	0.44	15.42	24	Pass
NVNT	ANT2	802.11a	5240.00	14.22	0.29	14.51	24	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	13.16	0.00	13.16	24	Pass
NVNT	ANT2	802.11n(HT20)	5200.00	13.74	0.39	14.13	24	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	13.37	0.31	13.68	24	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	13.49	0.55	14.04	24	Pass
NVNT	ANT2	802.11ac(VHT20)	5200.00	13.51	0.34	13.85	24	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	13.98	0.51	14.49	24	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	12.17	2.48	14.65	24	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	12.65	0.82	13.47	24	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	12.28	0.76	13.04	24	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	12.71	0.51	13.22	24	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	11.05	1.51	12.56	24	Pass

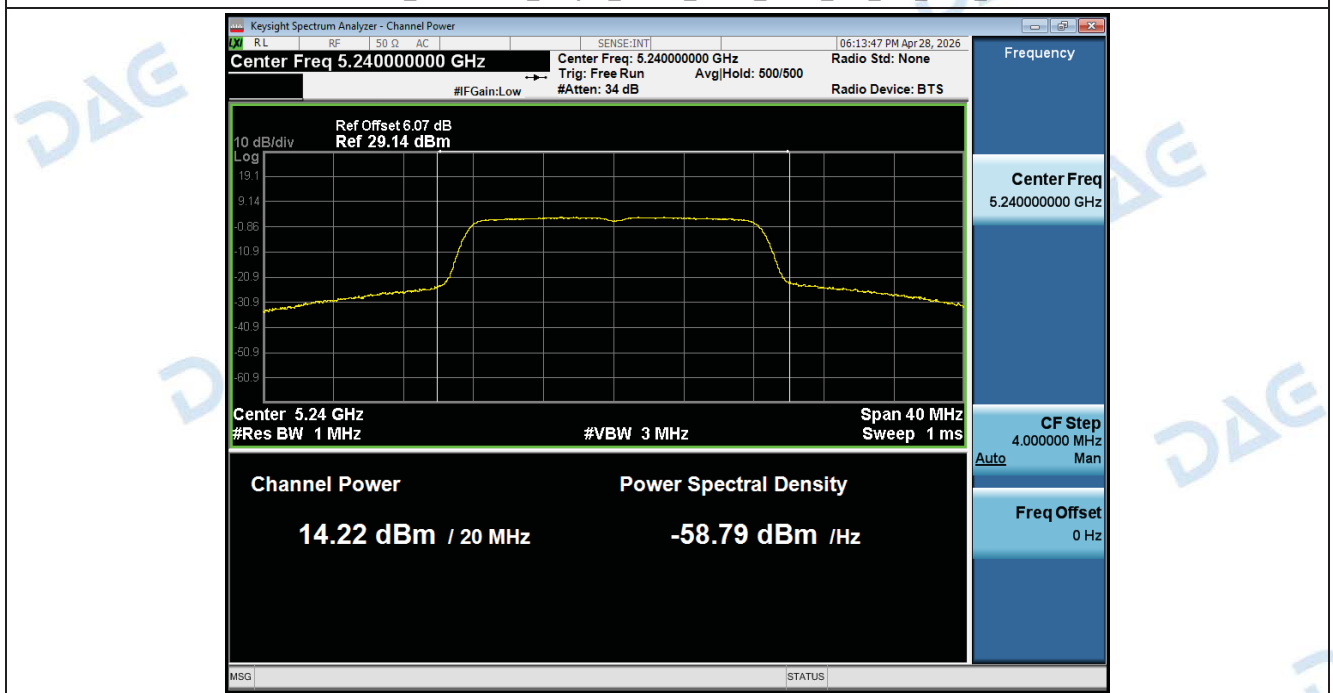
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5180_20M



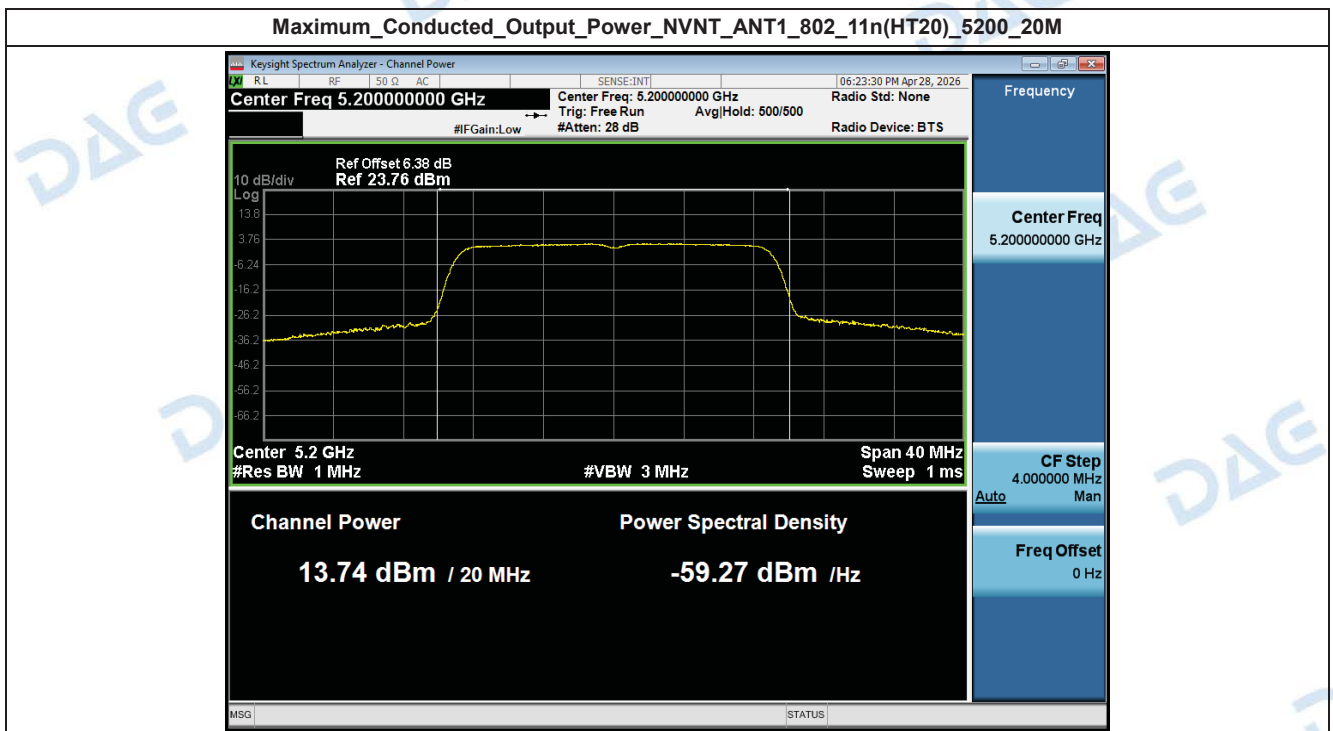
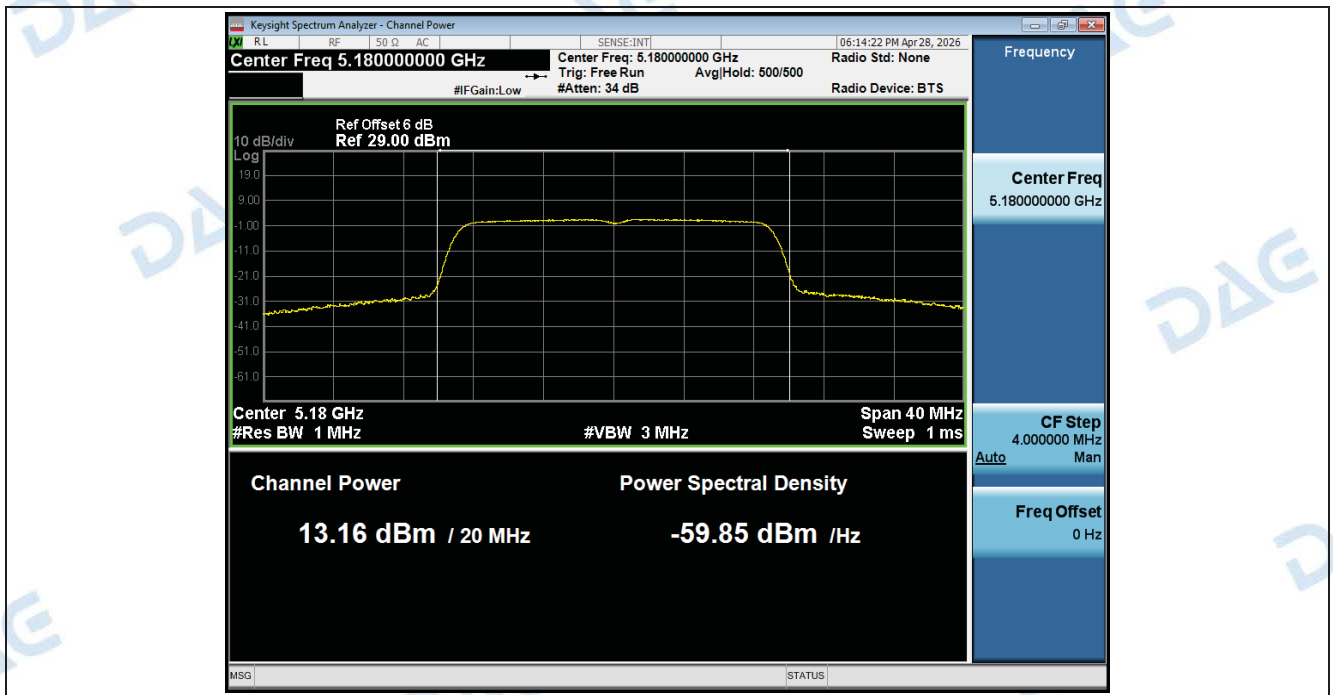
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5200_20M



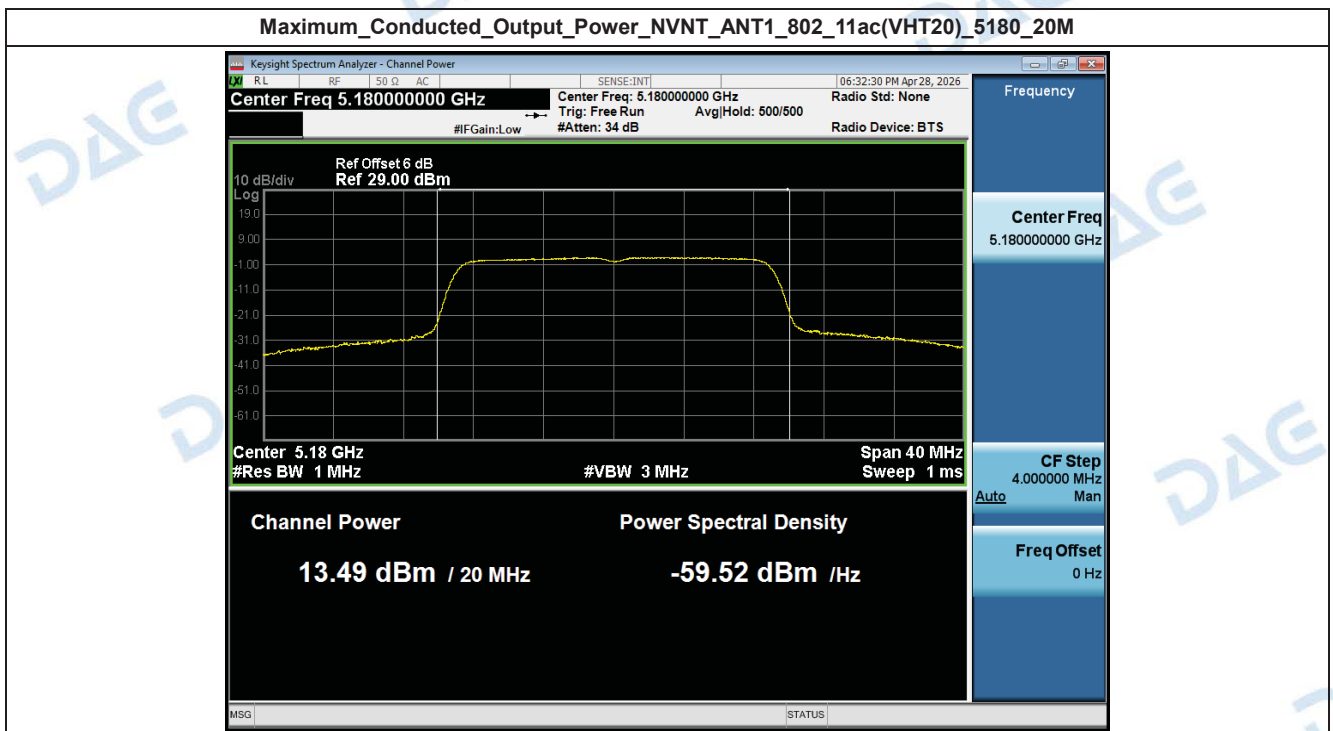
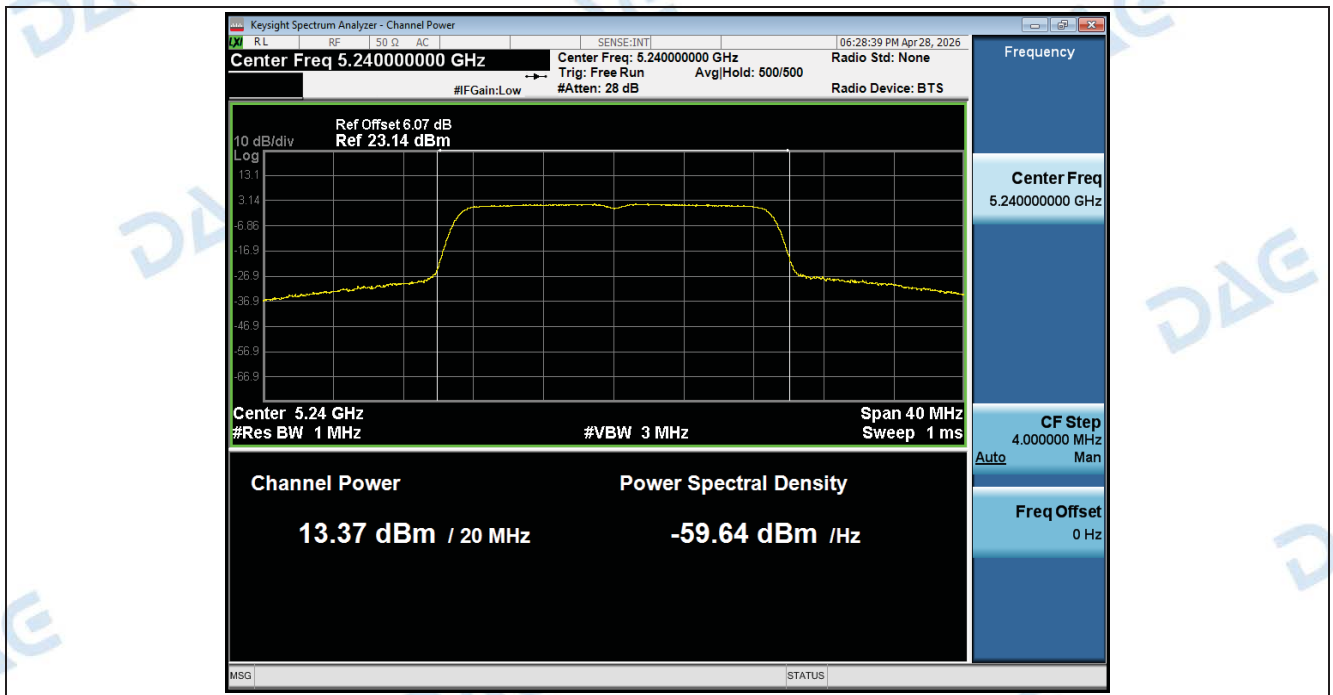
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5240_20M



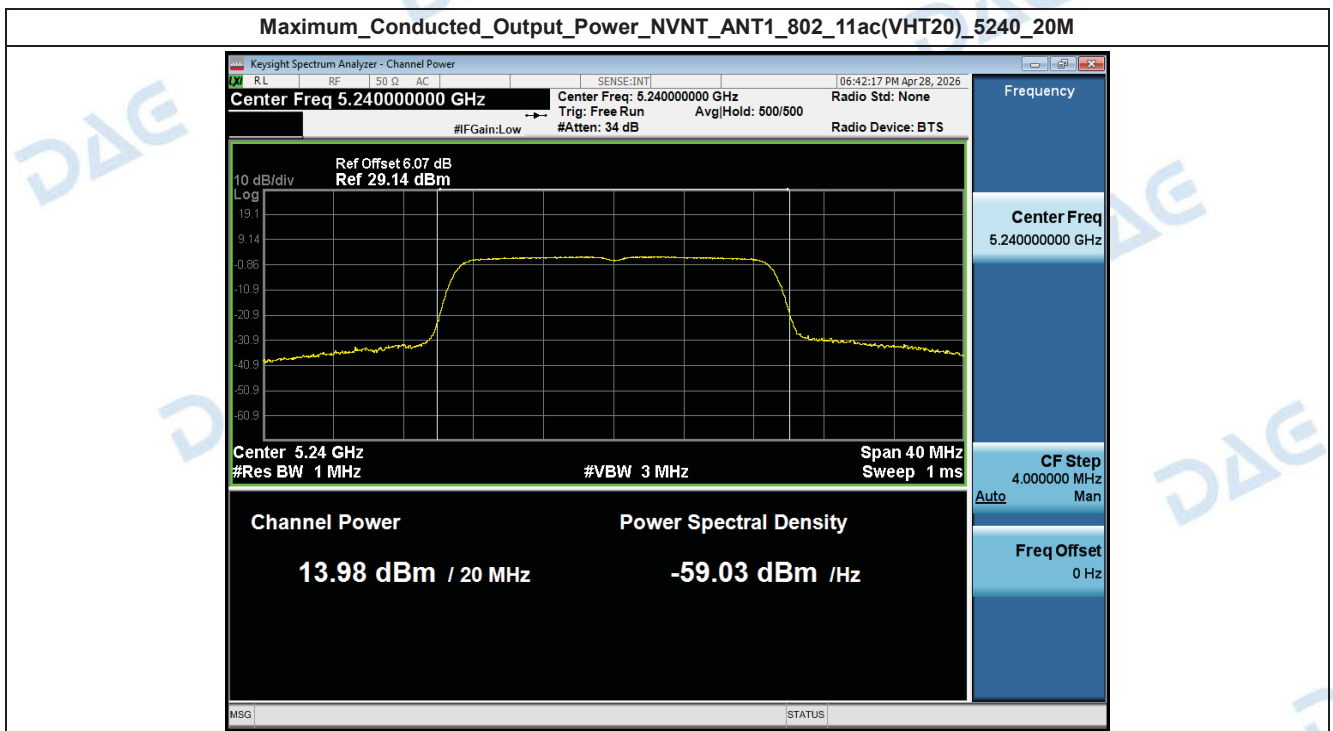
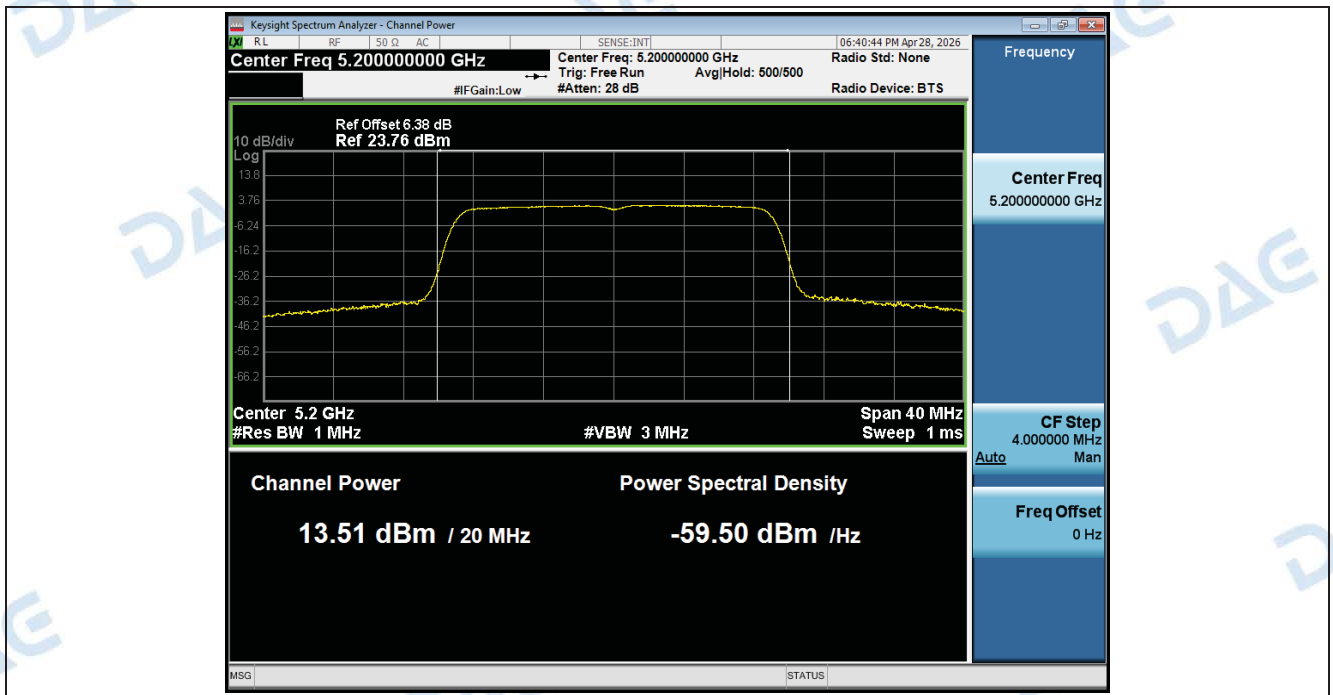
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5180_20M

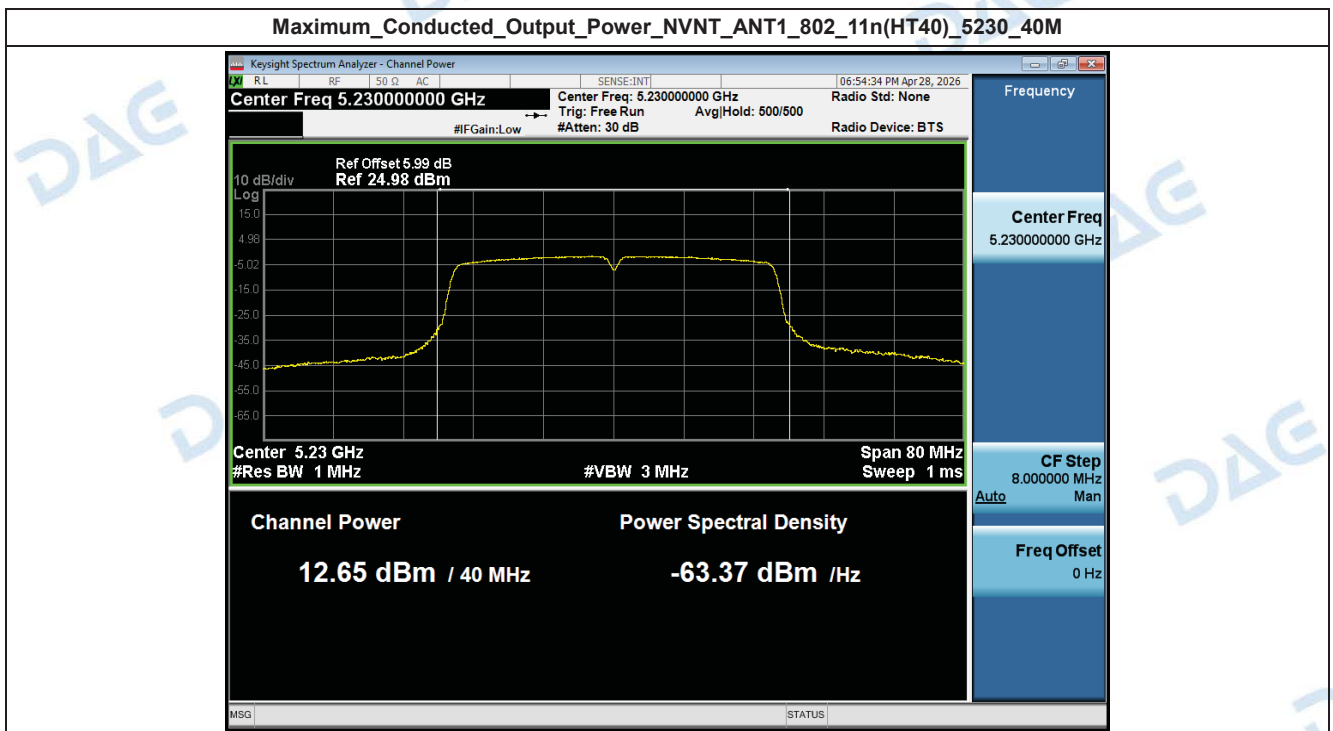
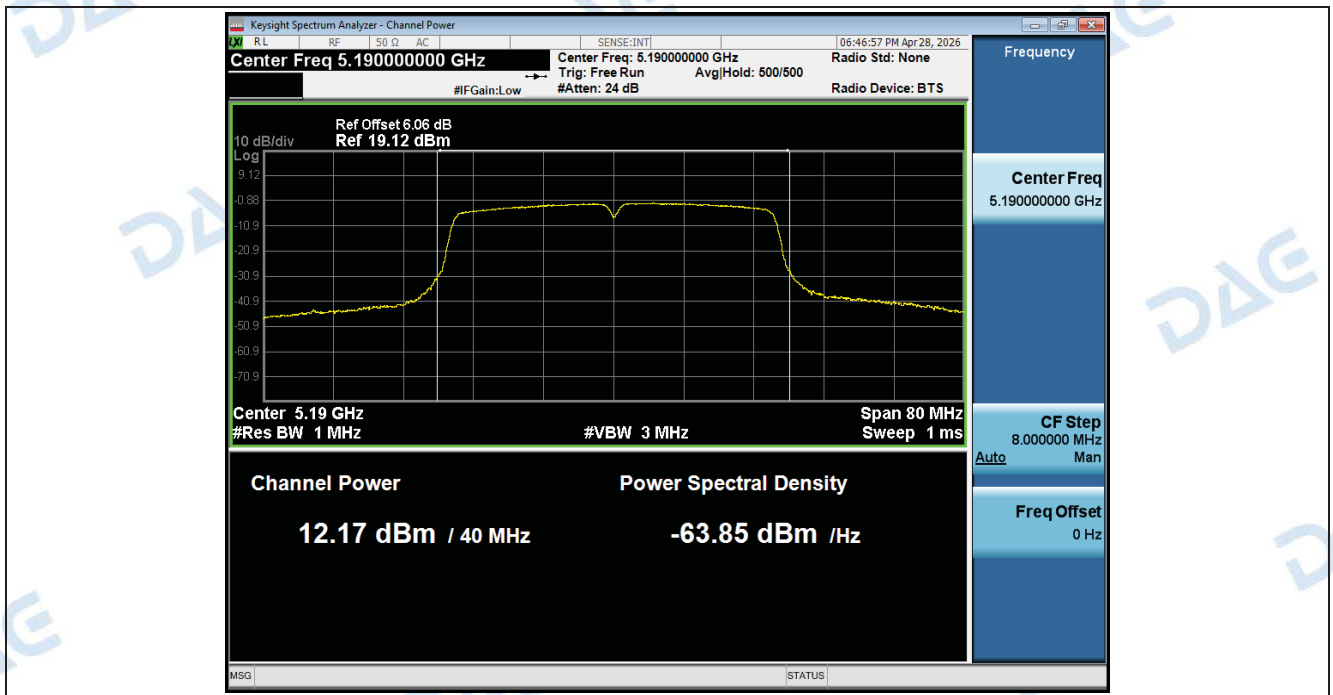


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5240_20M

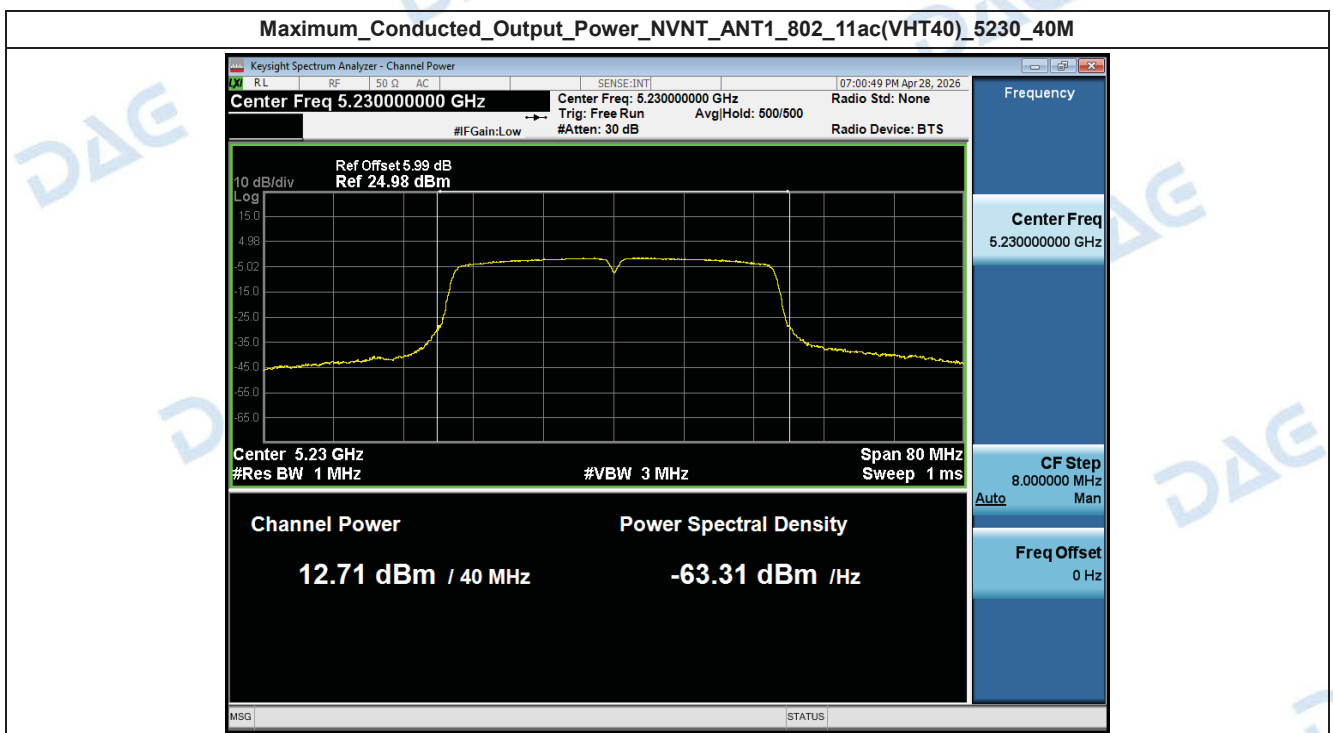
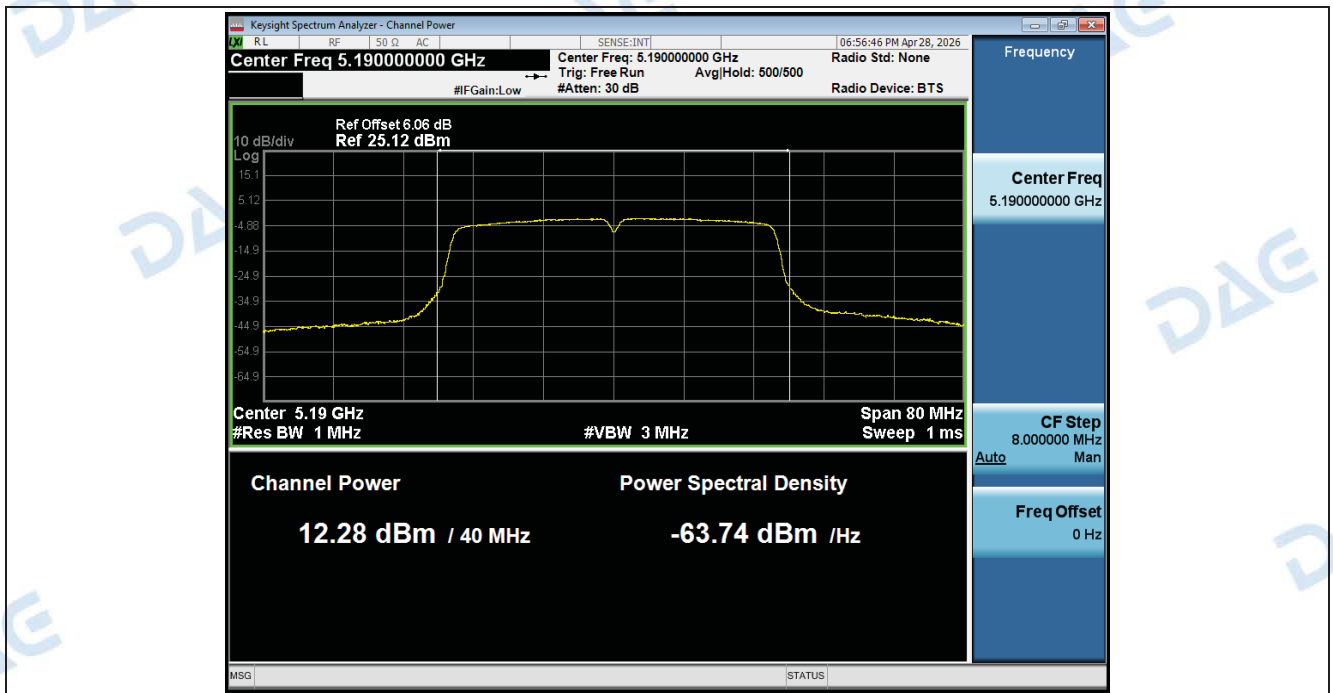


Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5200_20M

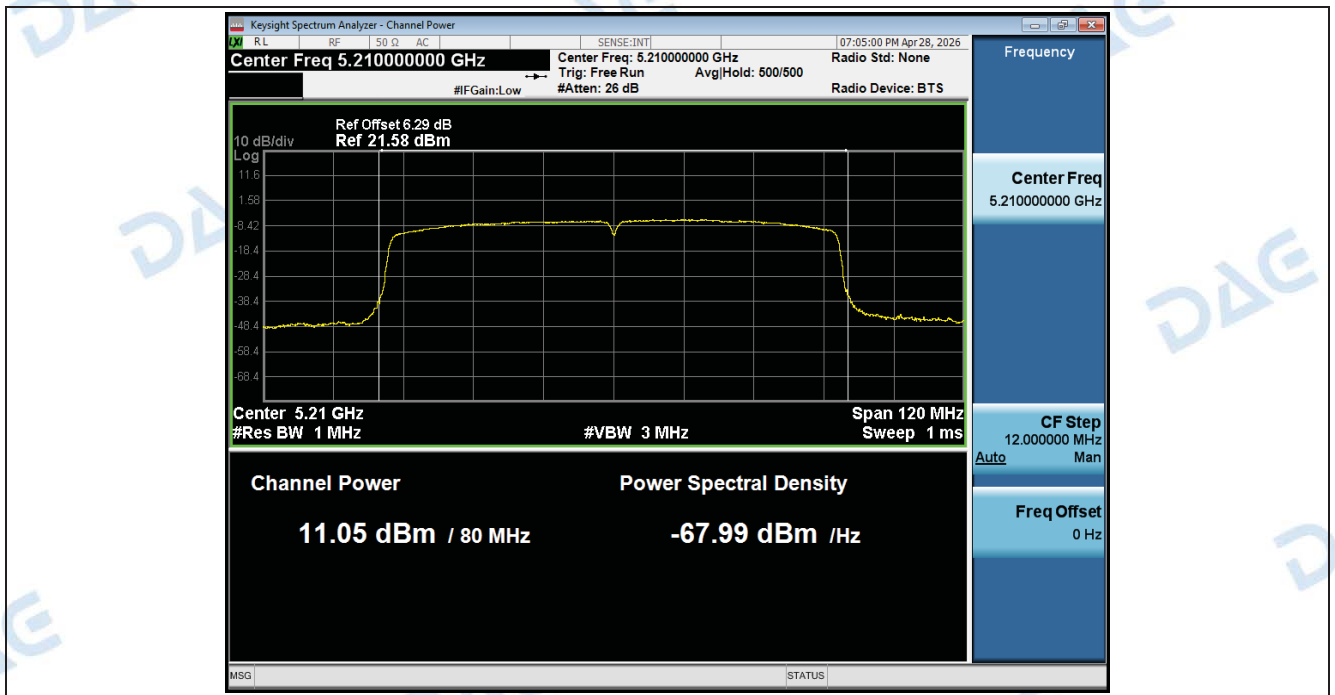




Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5190_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT80)_5210_80M



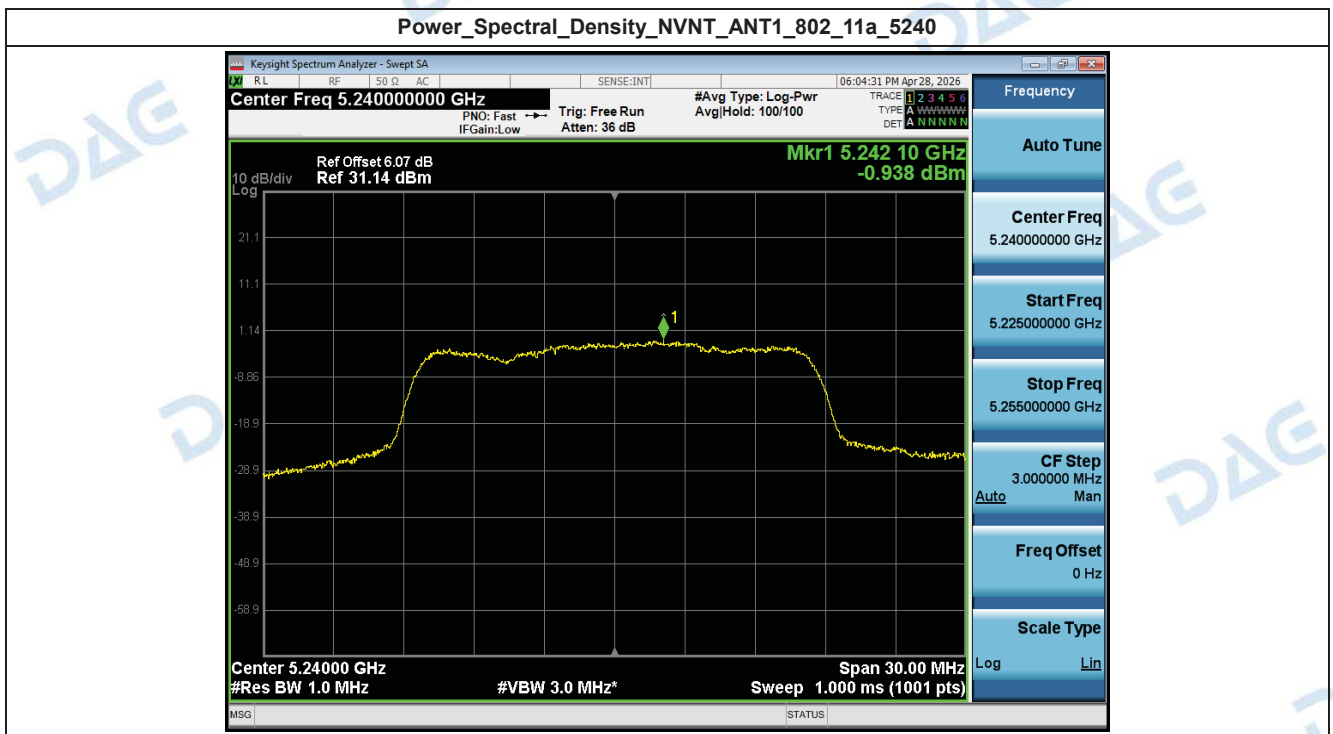
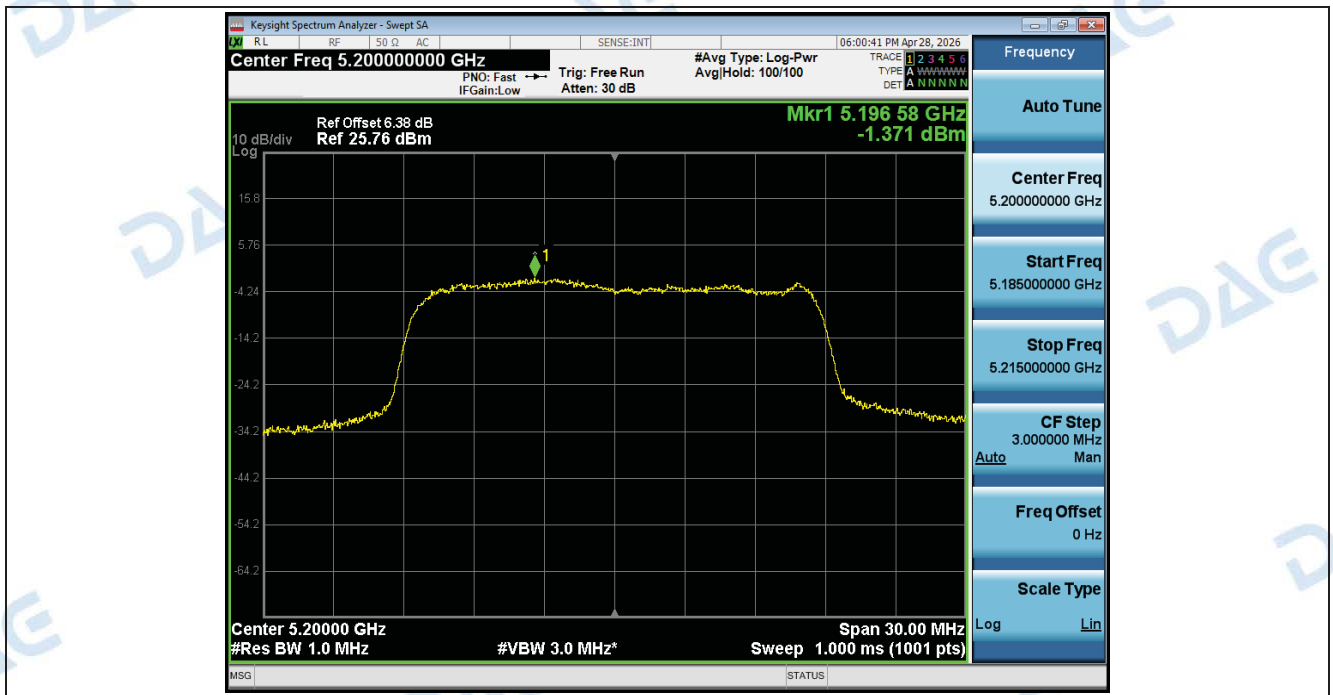
4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT2	802.11a	5180.00	-0.54	0.44	-0.10	11	Pass
NVNT	ANT2	802.11a	5200.00	-1.37	0.44	-0.93	11	Pass
NVNT	ANT2	802.11a	5240.00	-0.94	0.29	-0.65	11	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	-3.23	0.26	-2.96	11	Pass
NVNT	ANT2	802.11n(HT20)	5200.00	-2.15	0.39	-1.76	11	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	-1.78	0.31	-1.47	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	-3.28	0.55	-2.73	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5200.00	-1.35	0.34	-1.01	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	-3.45	0.51	-2.94	11	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	-11.01	2.48	-8.53	11	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	-10.64	0.82	-9.82	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	-10.89	0.76	-10.13	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	-10.05	0.51	-9.54	11	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	-19.95	1.51	-18.44	11	Pass

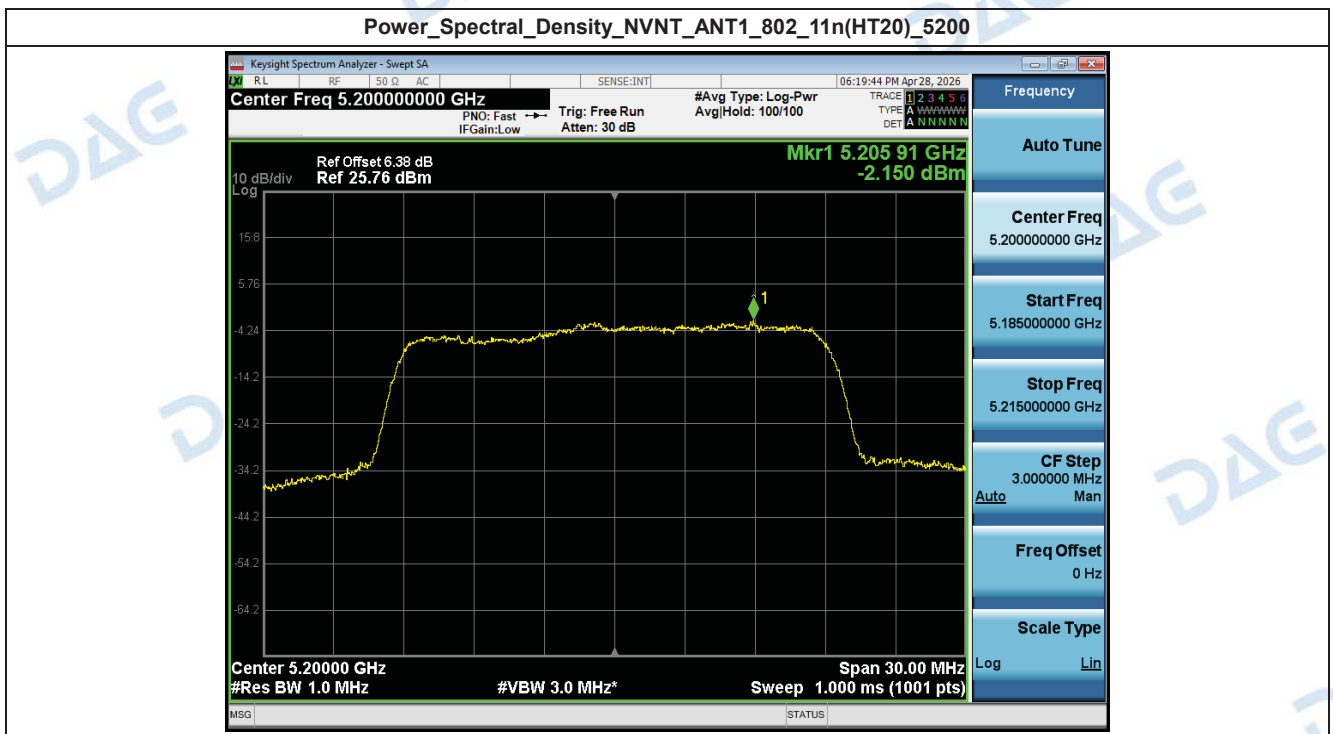
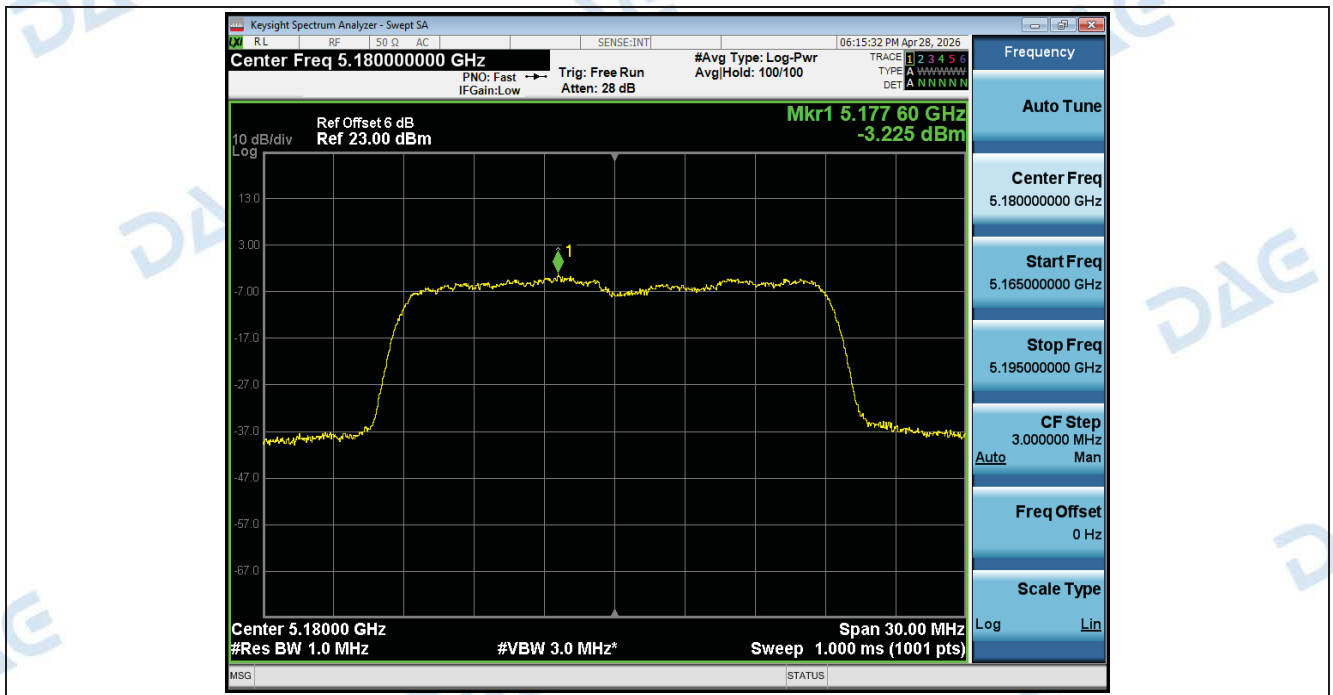
Power_Spectral_Density_NVNT_ANT1_802_11a_5180



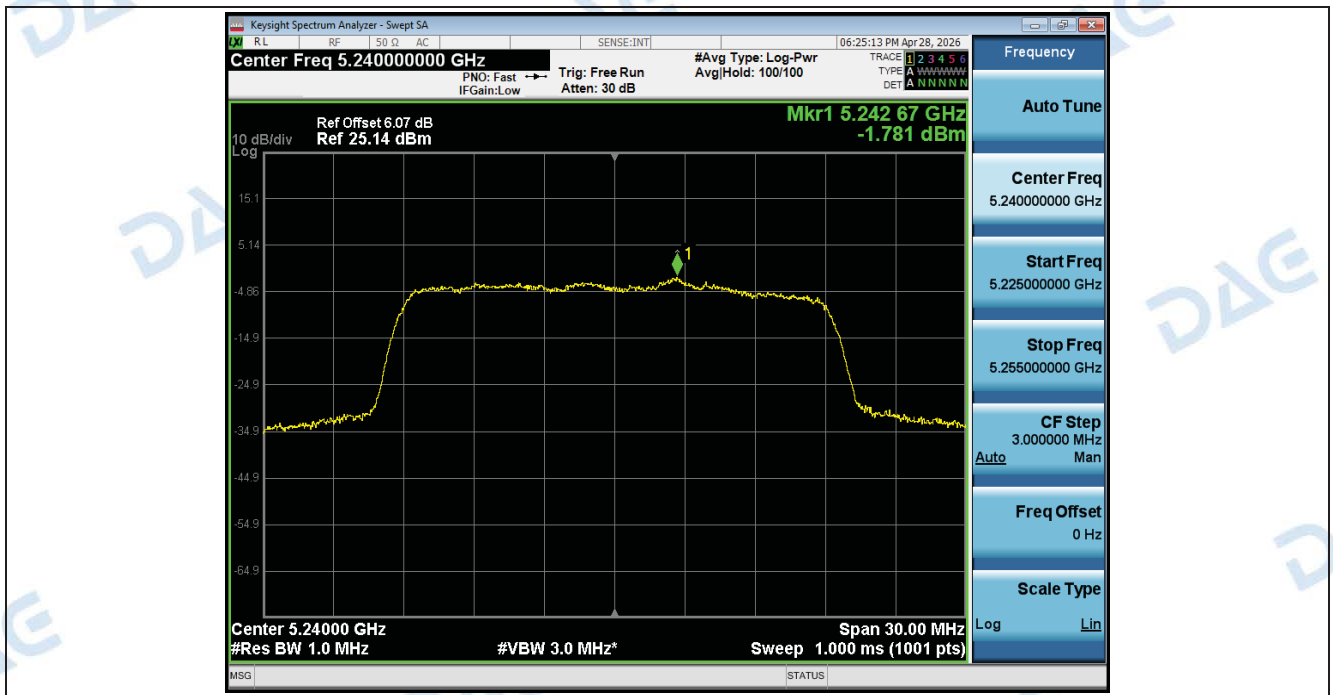
Power_Spectral_Density_NVNT_ANT1_802_11a_5200



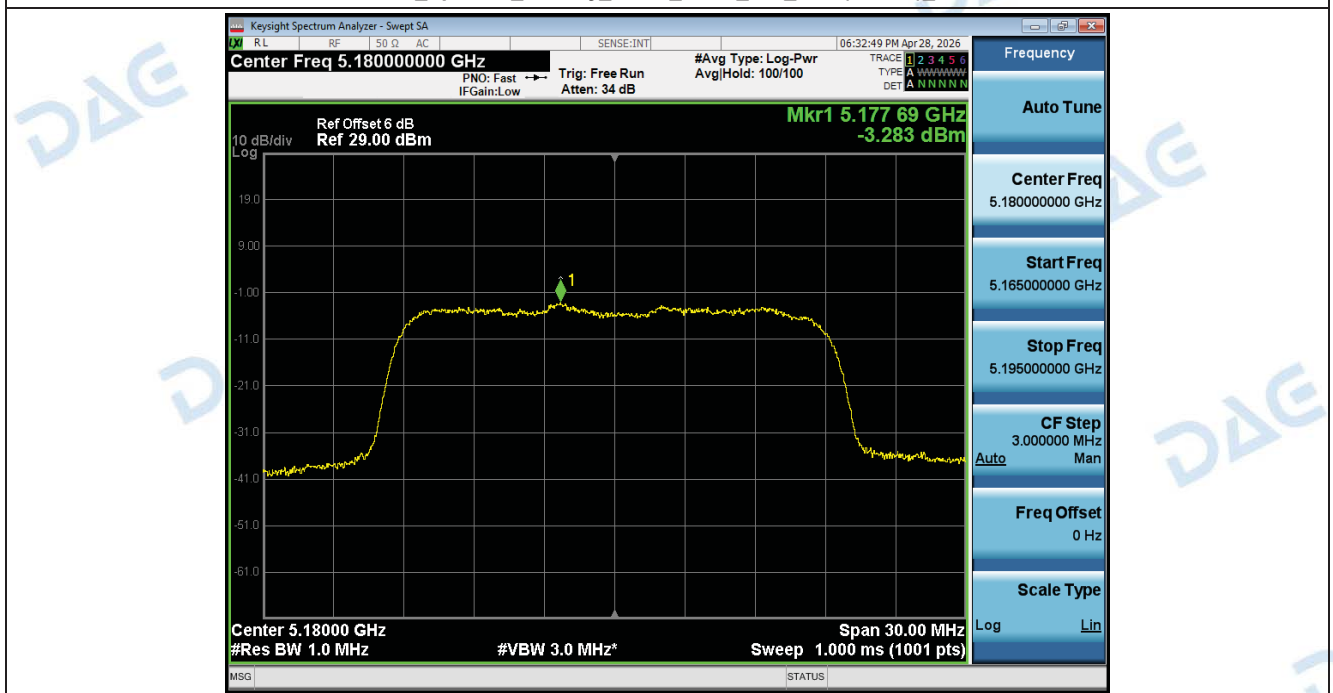
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5180



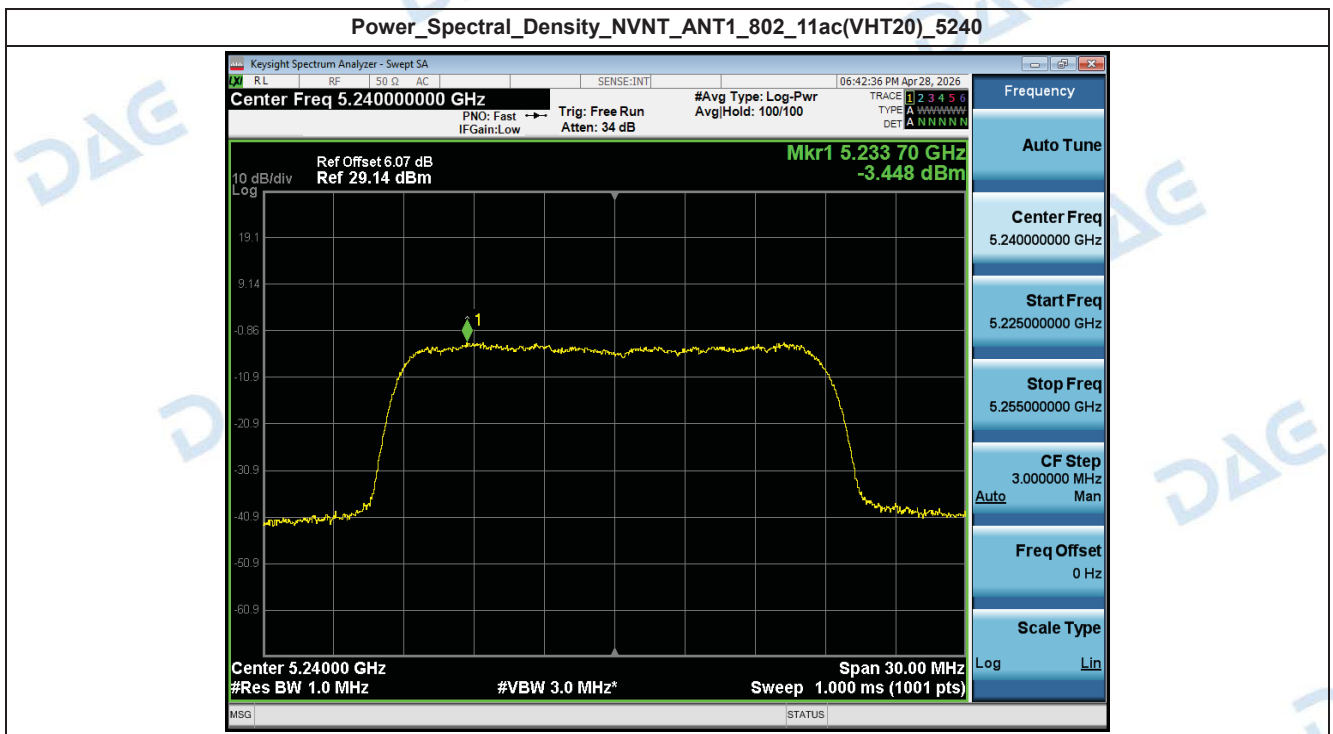
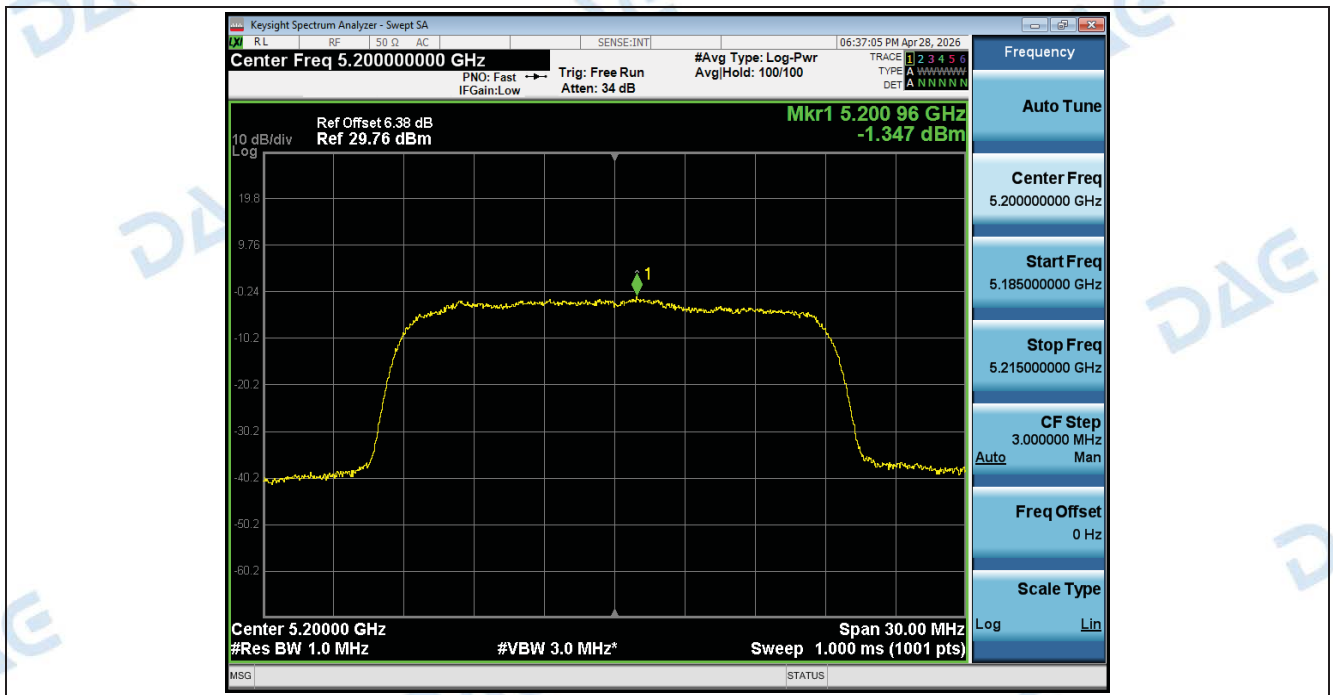
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5240



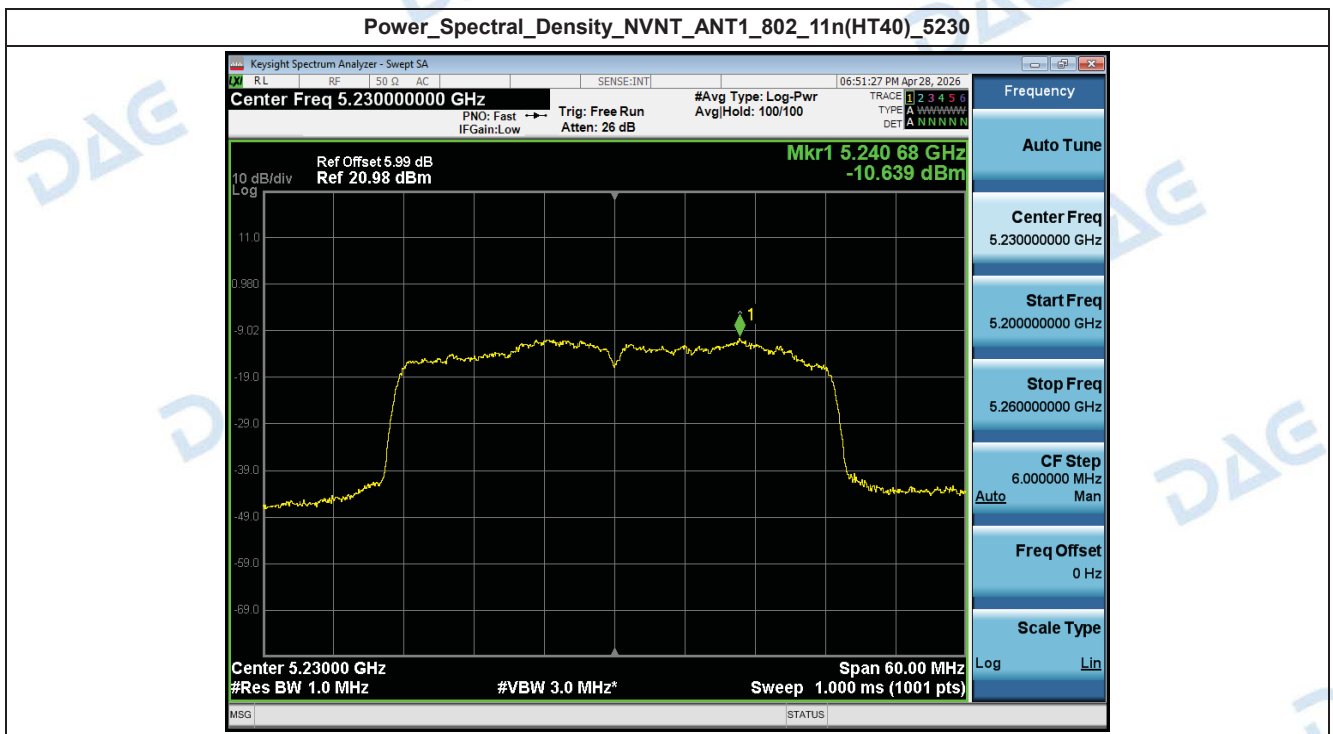
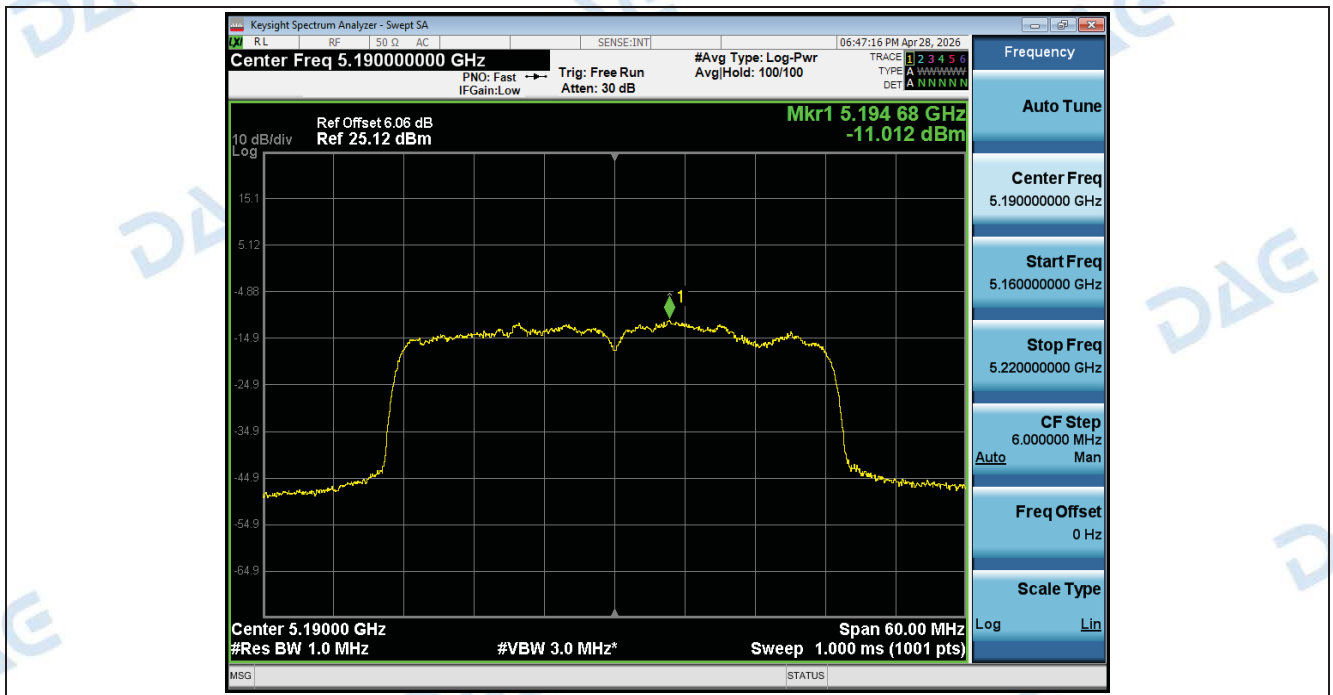
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5180



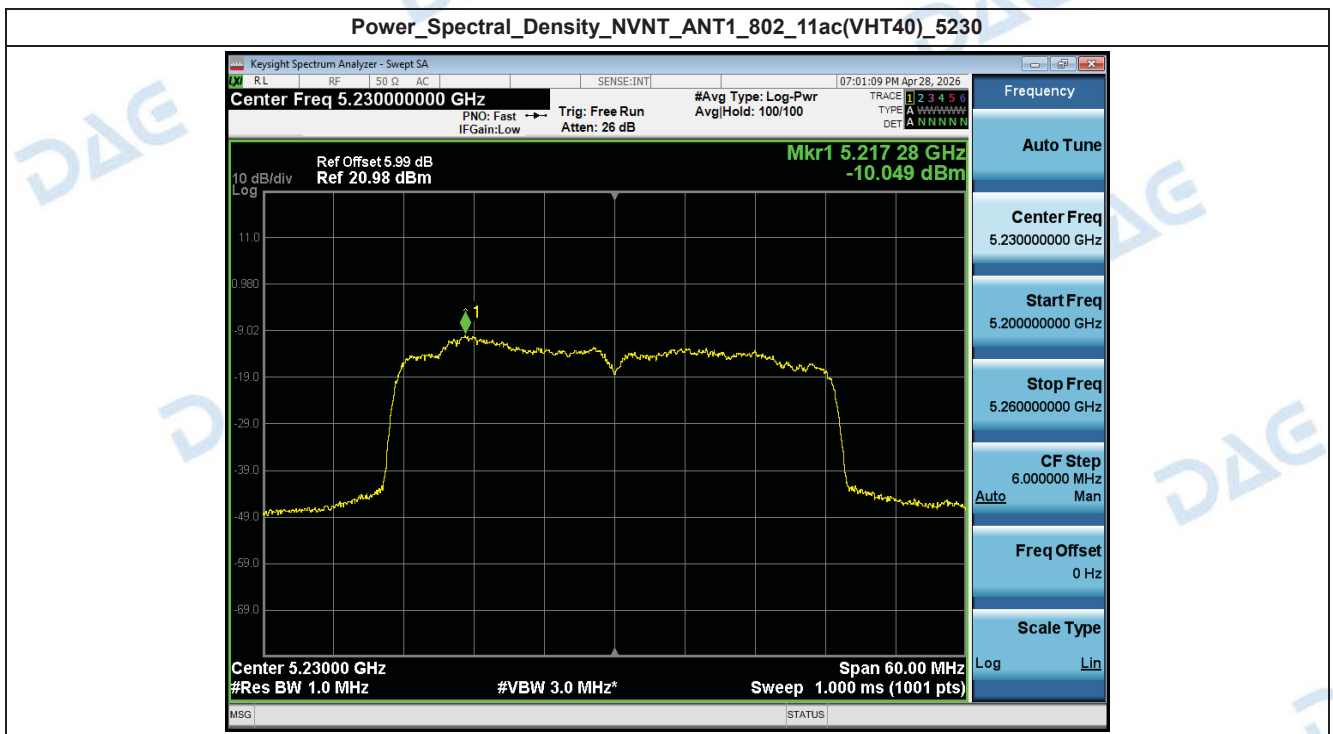
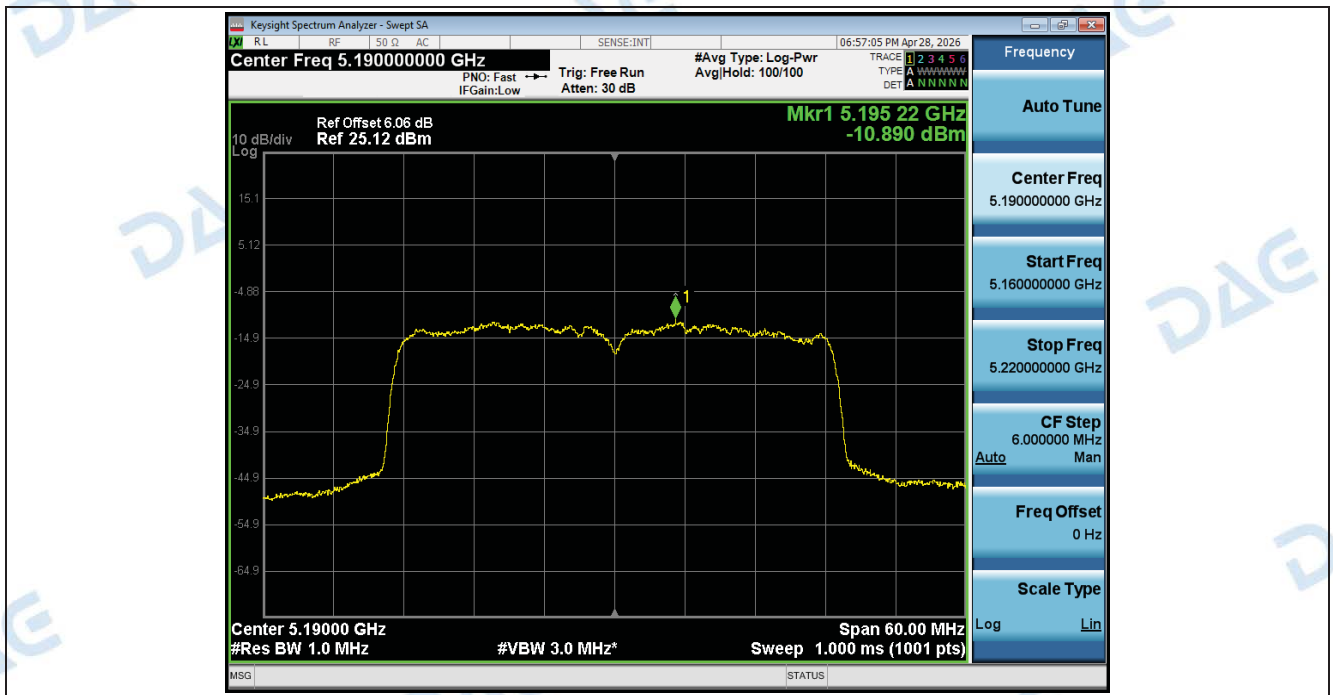
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT20)_5200



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_5190



Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT40)_5190



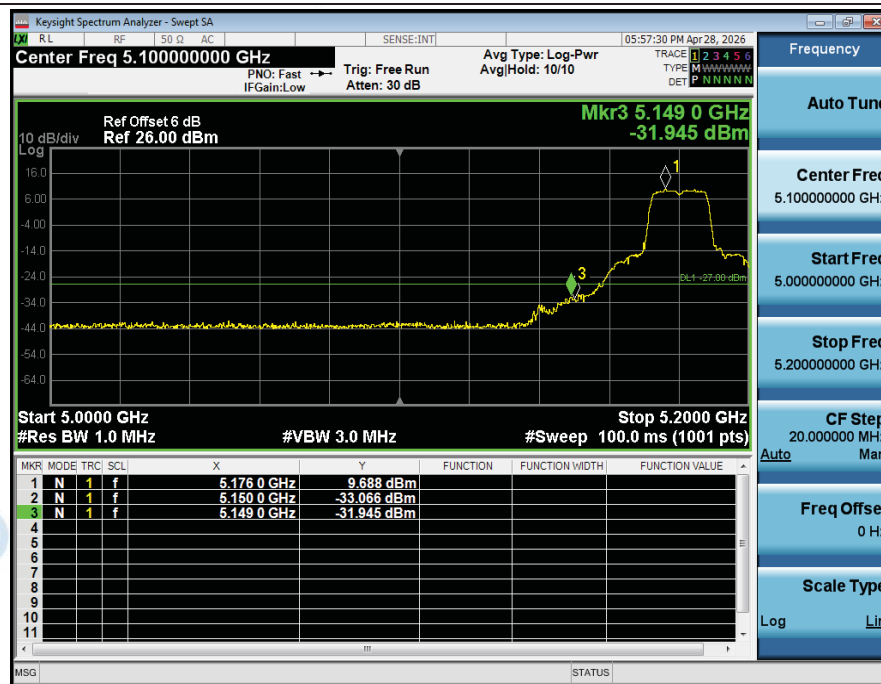
Power_Spectral_Density_NVNT_ANT1_802_11ac(VHT80)_5210



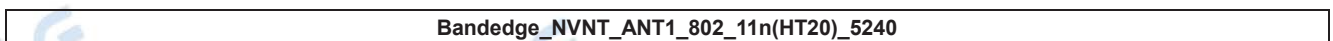
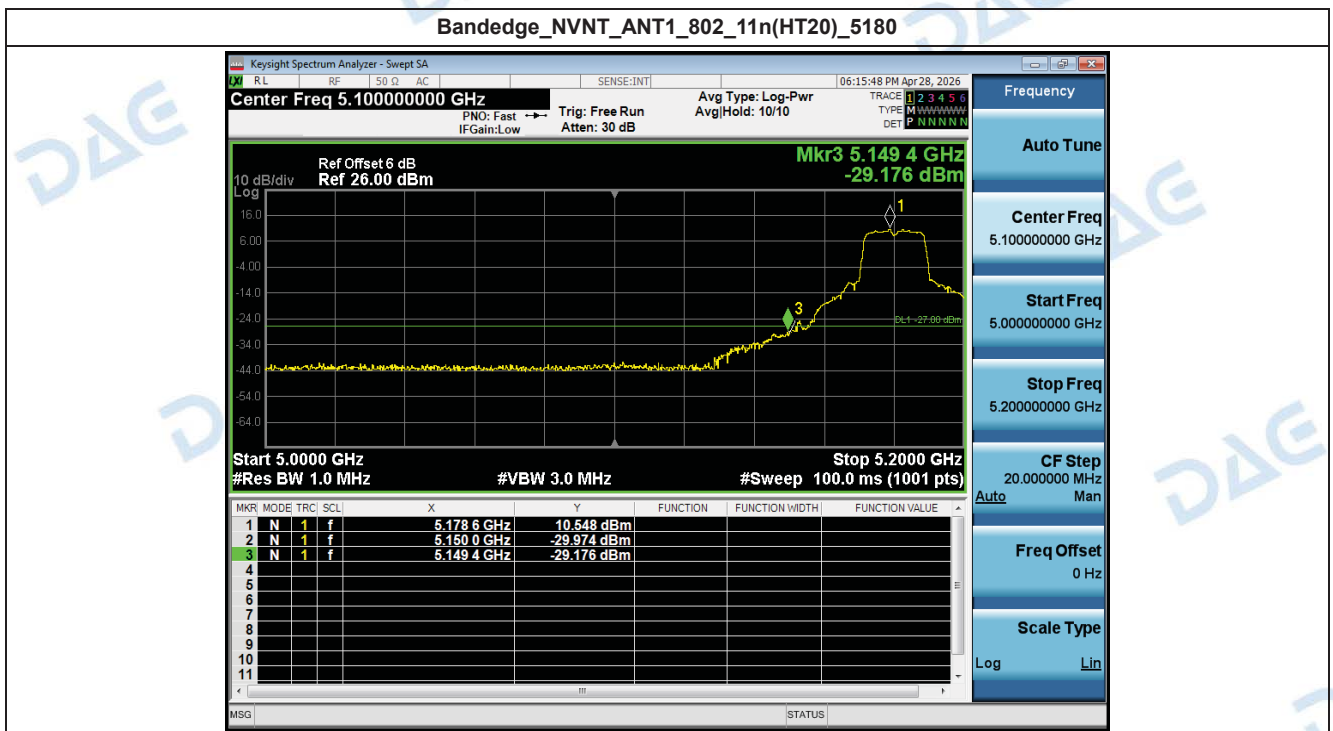
5. Bandedge

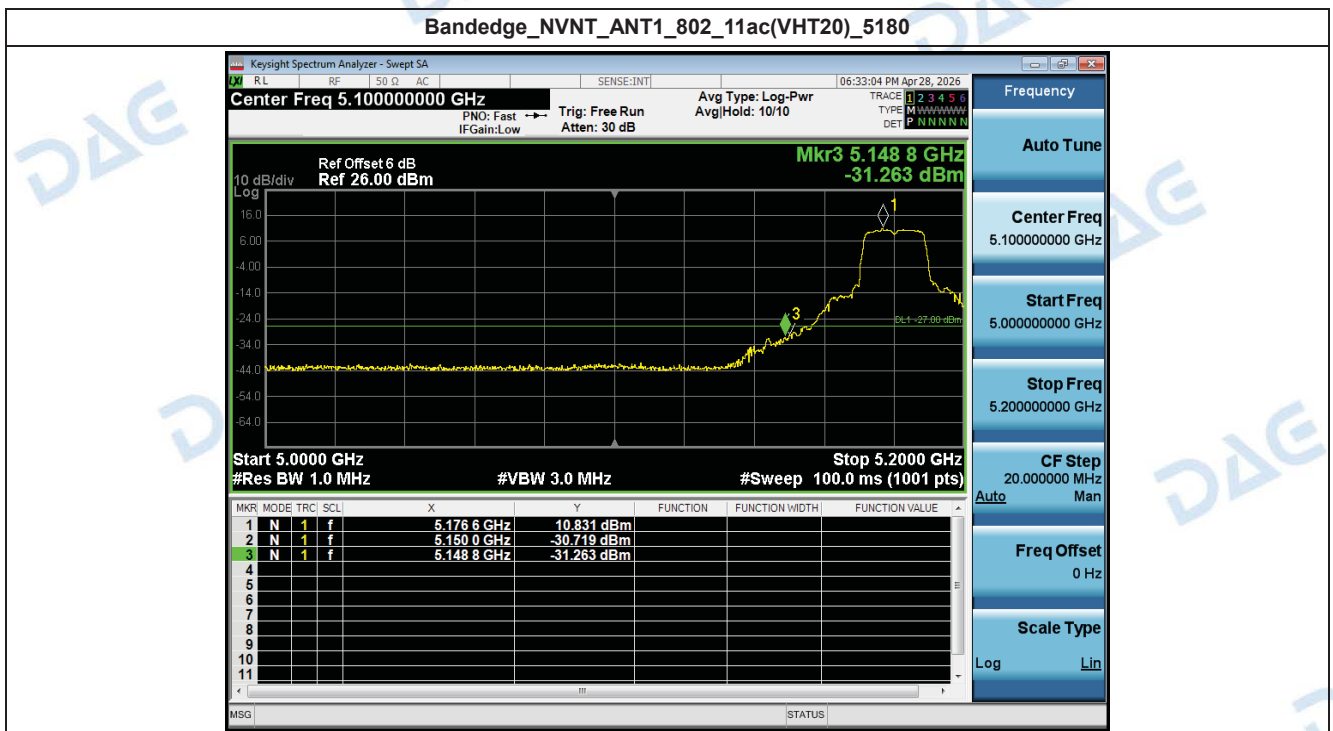
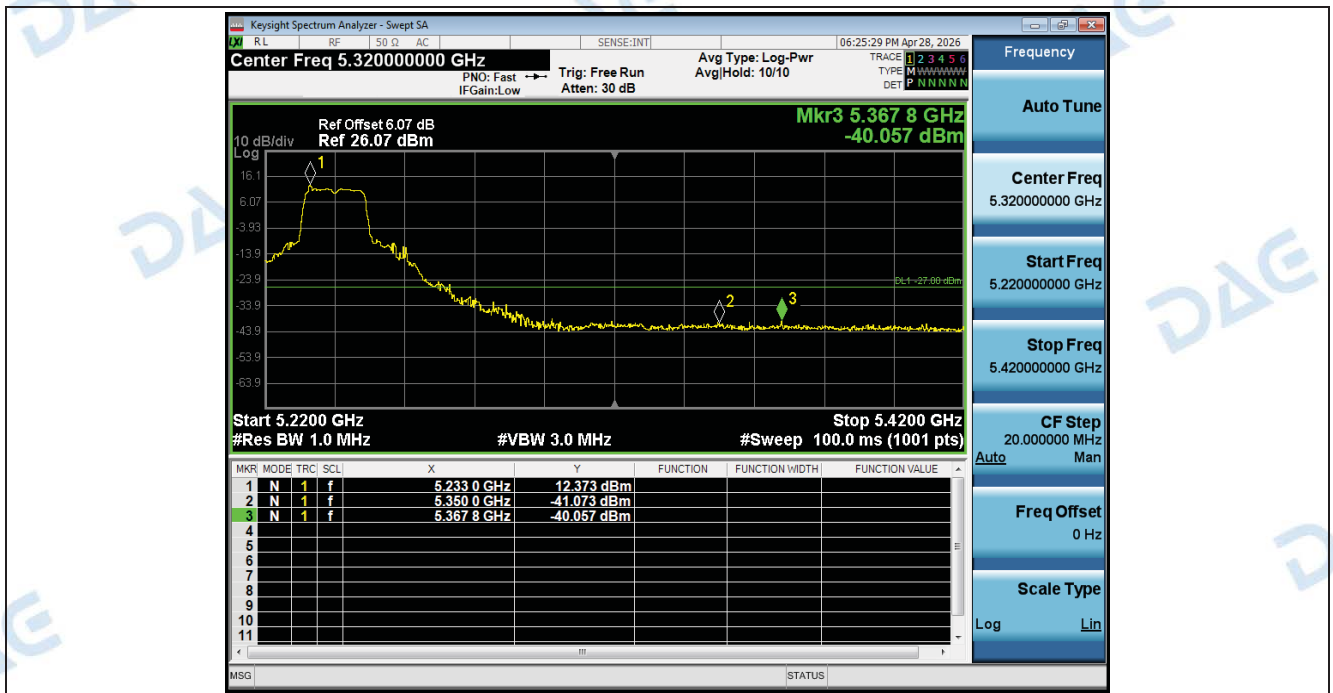
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11a	5180.00	5149.00	-31.94	-27	Pass
NVNT	ANT2	802.11a	5240.00	5396.80	-40.63	-27	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	5149.40	-29.18	-27	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	5367.80	-40.06	-27	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	5148.80	-31.26	-27	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	5375.80	-40.87	-27	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	5149.52	-32.32	-27	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	5379.05	-41.06	-27	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	5149.94	-32.95	-27	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	5371.70	-40.83	-27	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	5149.52	-29.45	-27	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	5393.96	-39.91	-27	Pass

Bandedge_NVNT_ANT1_802_11a_5180

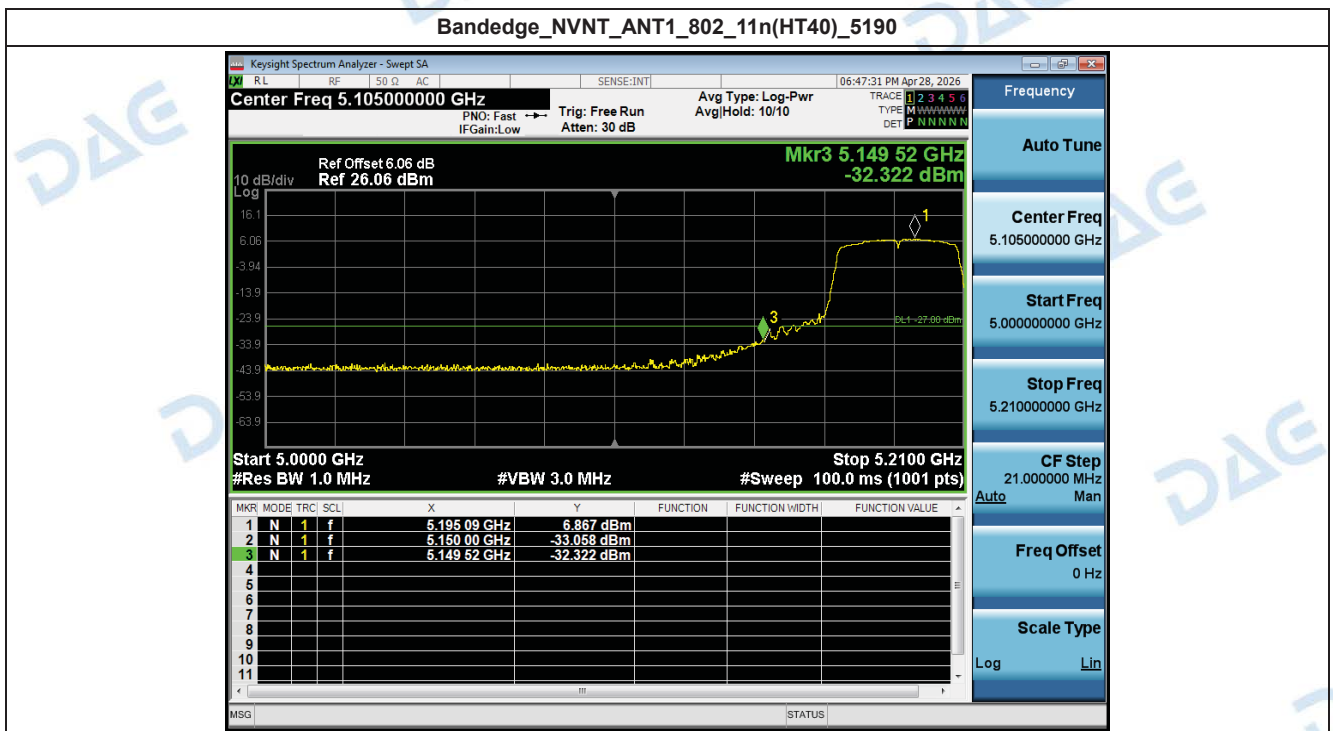
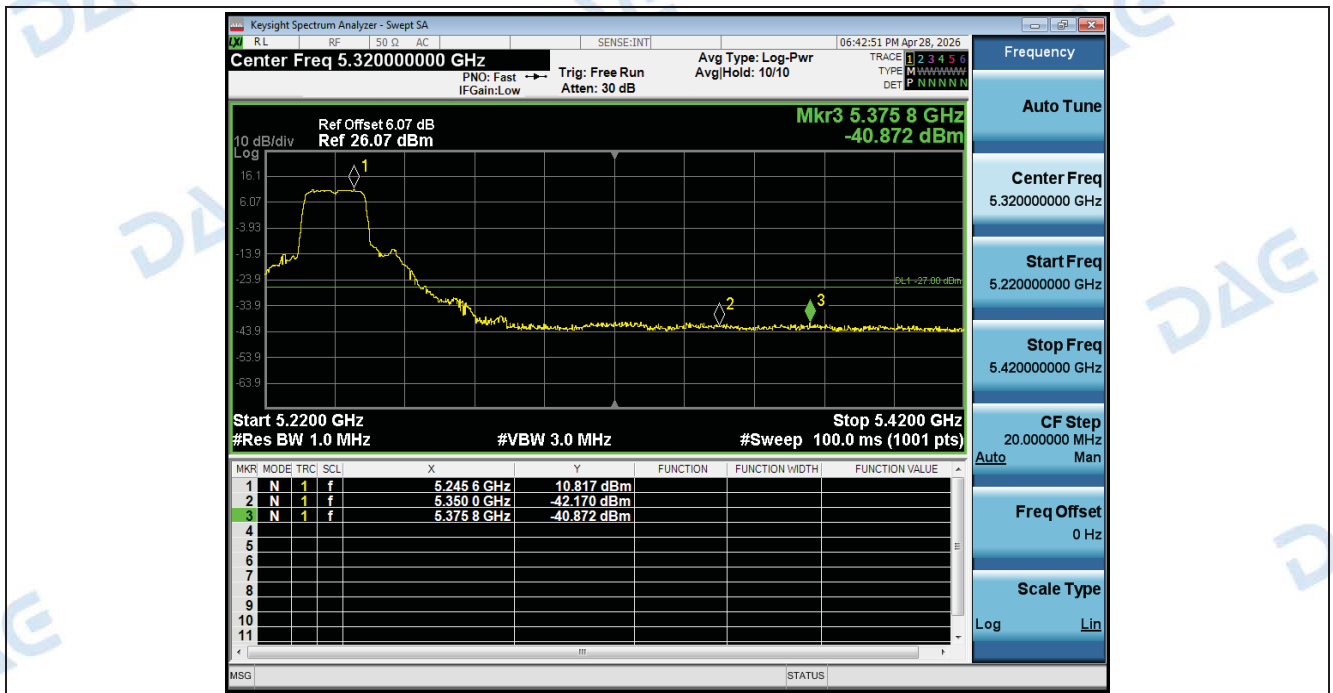


Bandedge_NVNT_ANT1_802_11a_5240

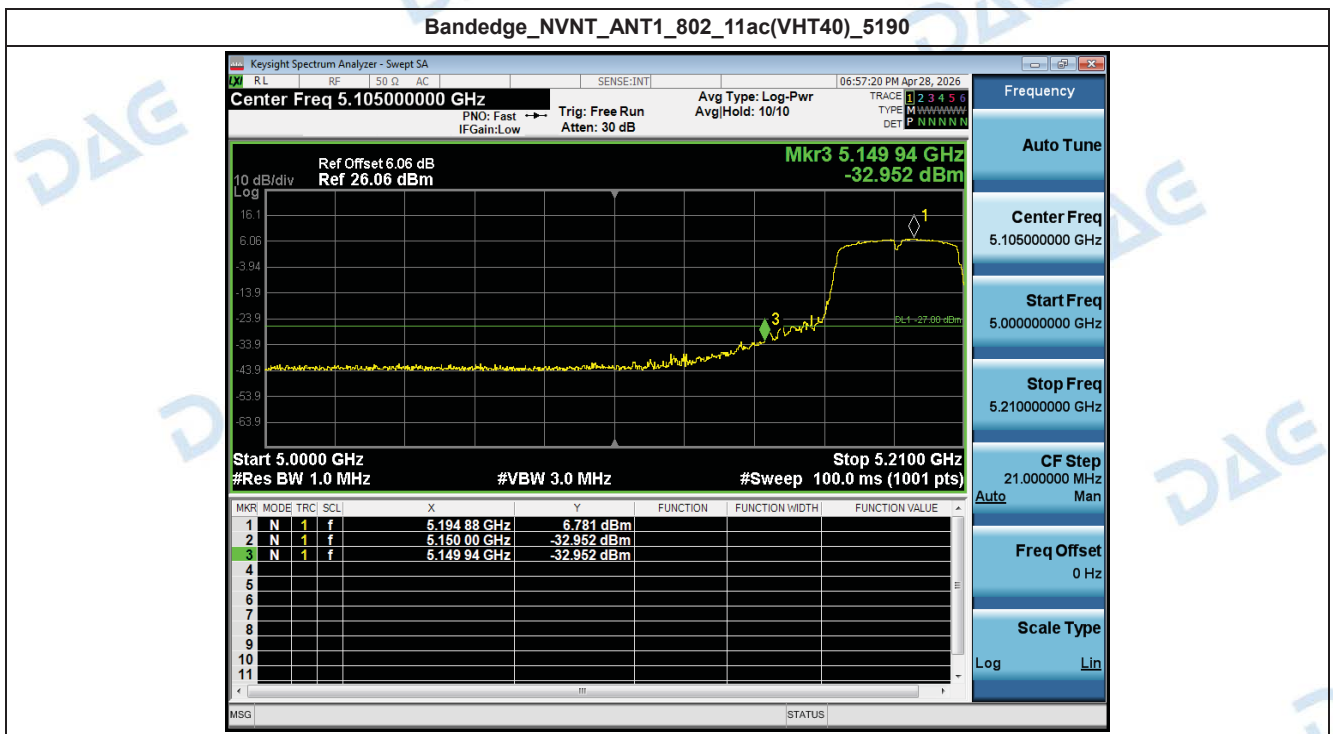




Bandedge_NVNT_ANT1_802_11ac(VHT20)_5240



Bandedge_NVNT_ANT1_802_11n(HT40)_5230



Bandedge_NVNT_ANT1_802_11ac(VHT40)_5230