

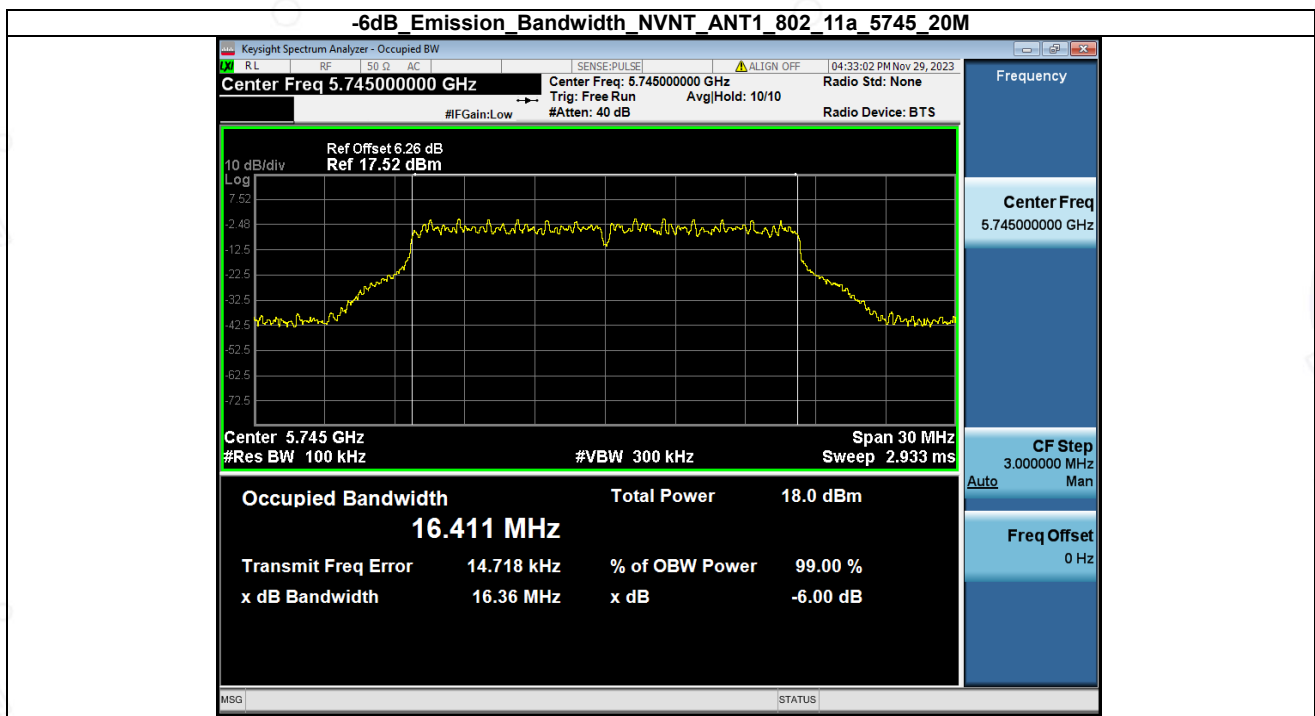
Appendix

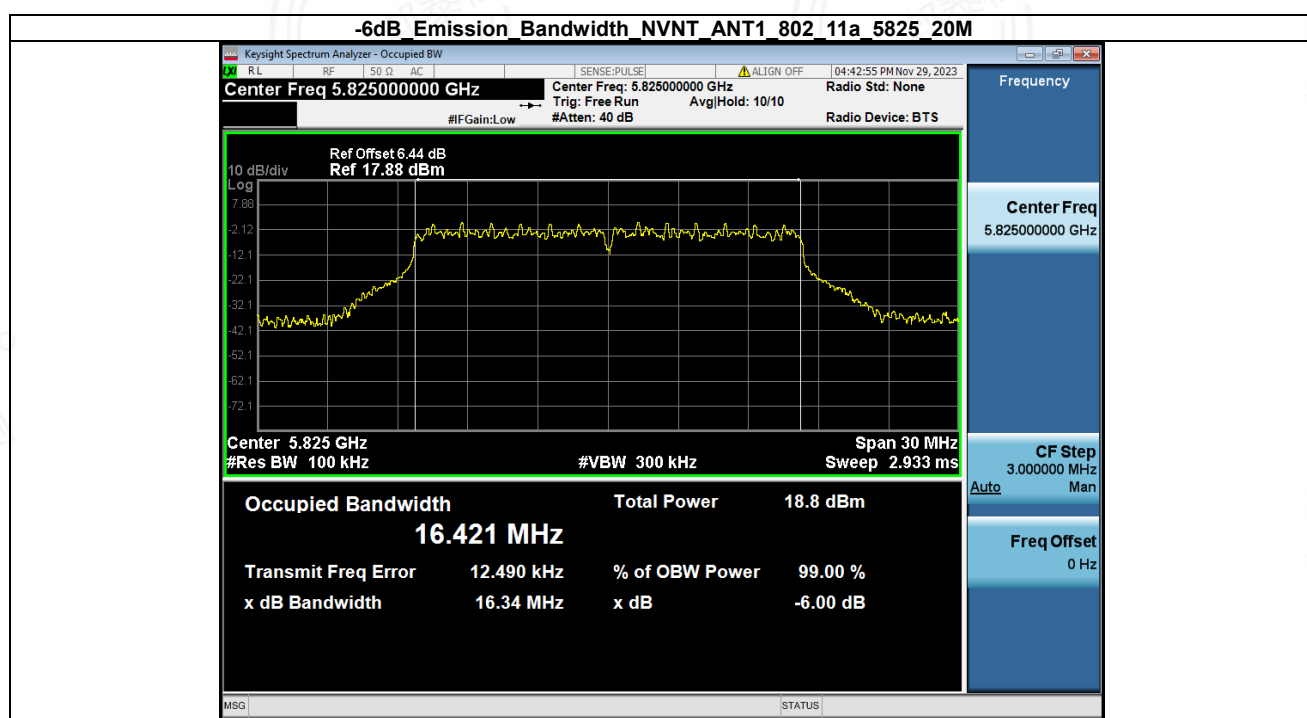
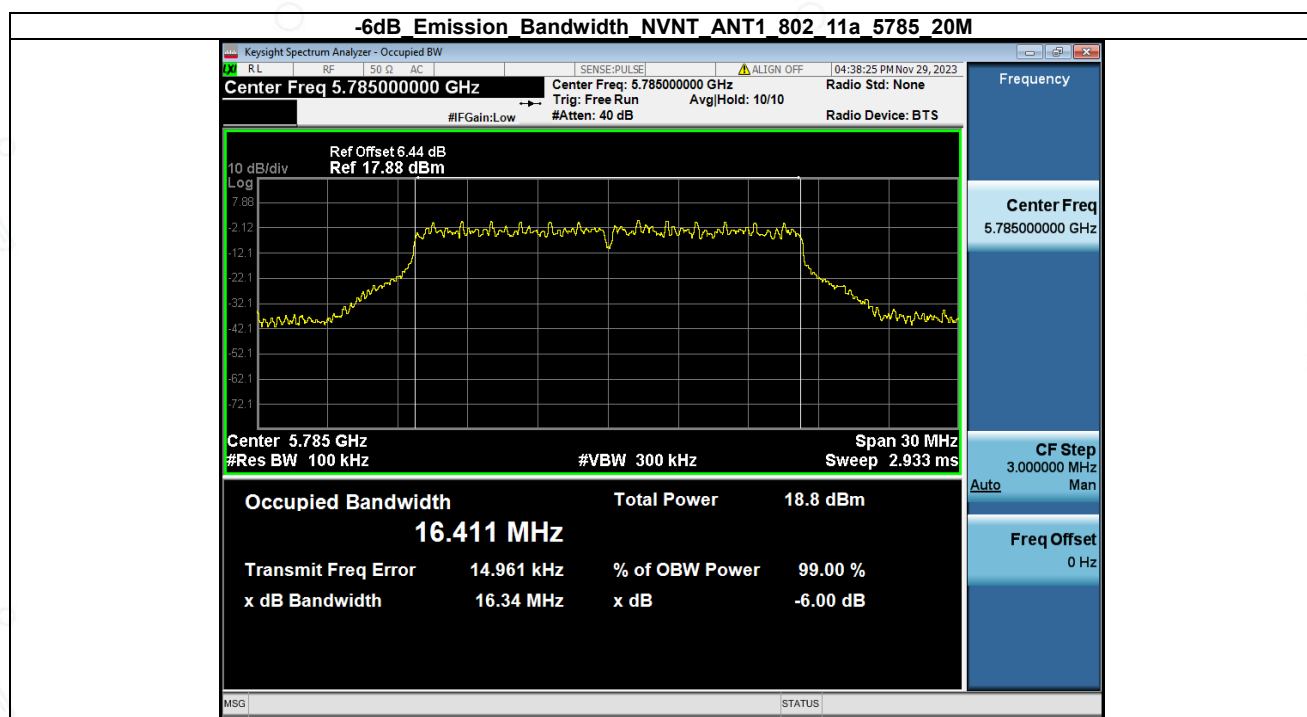
UNII-3 Wi-Fi 5G Test Data 5GWIFI

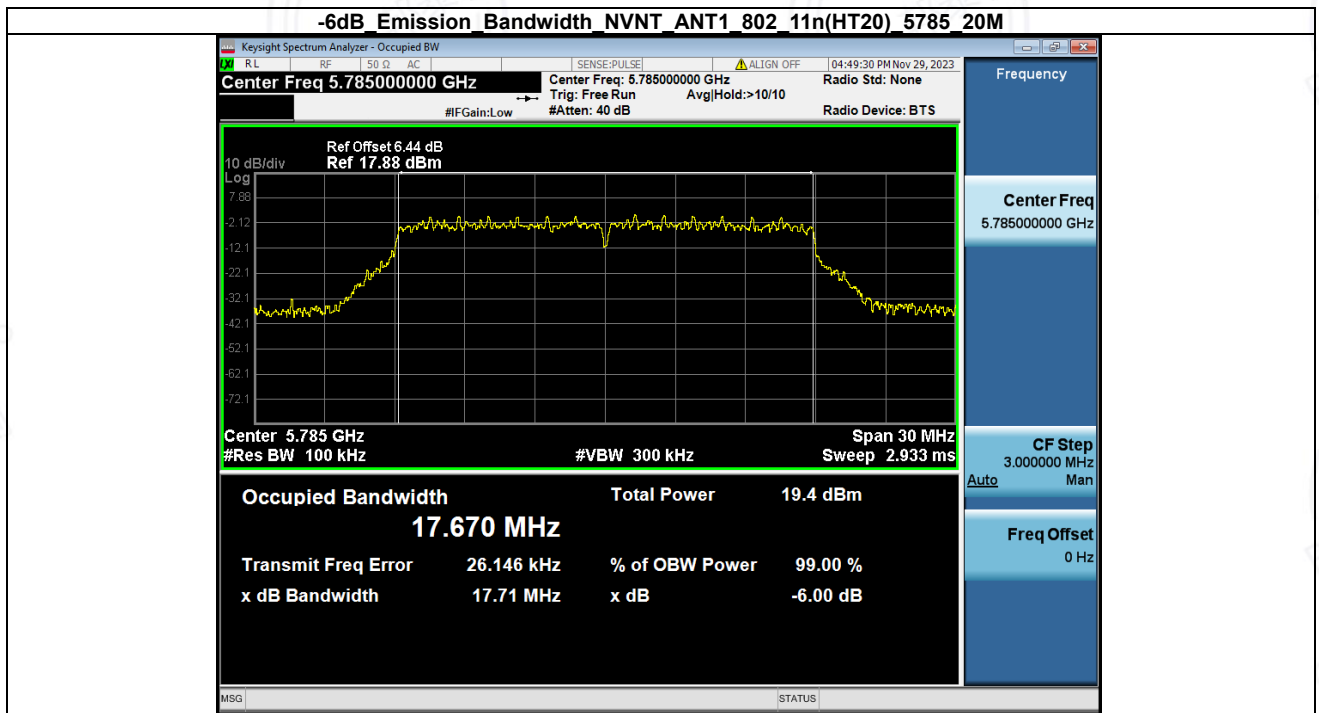
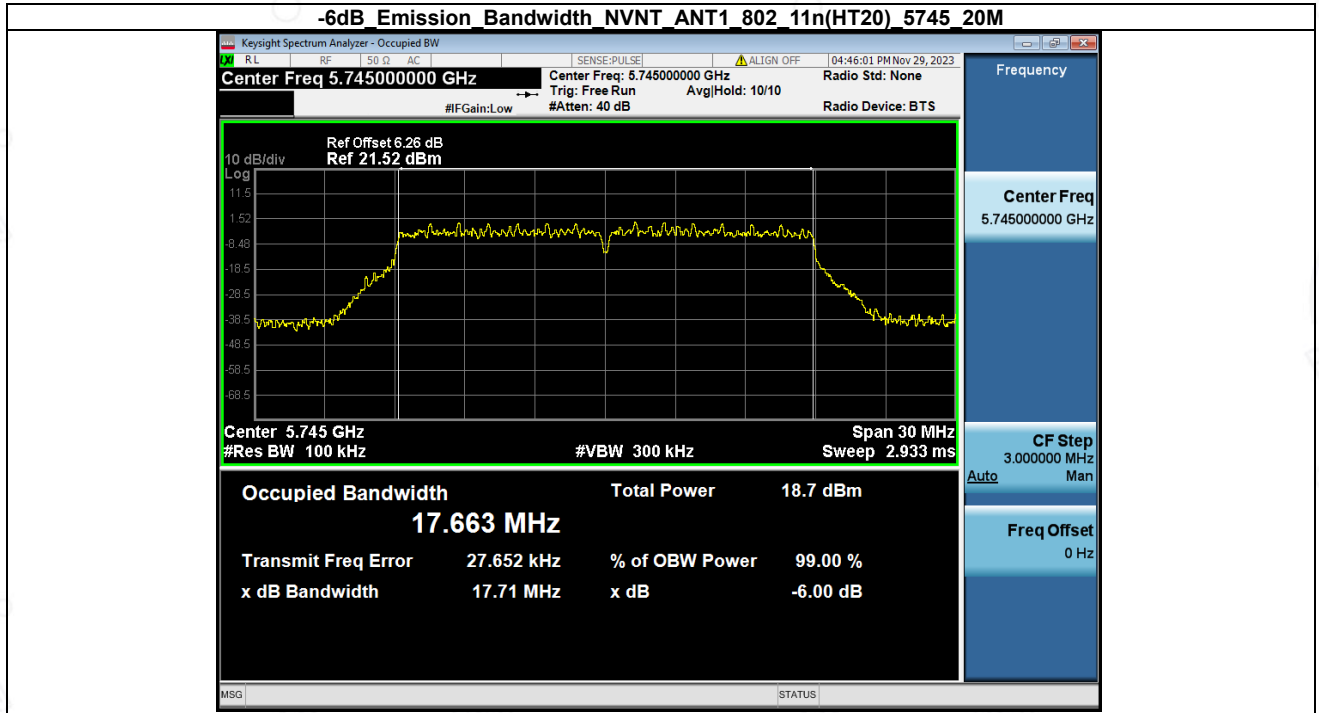


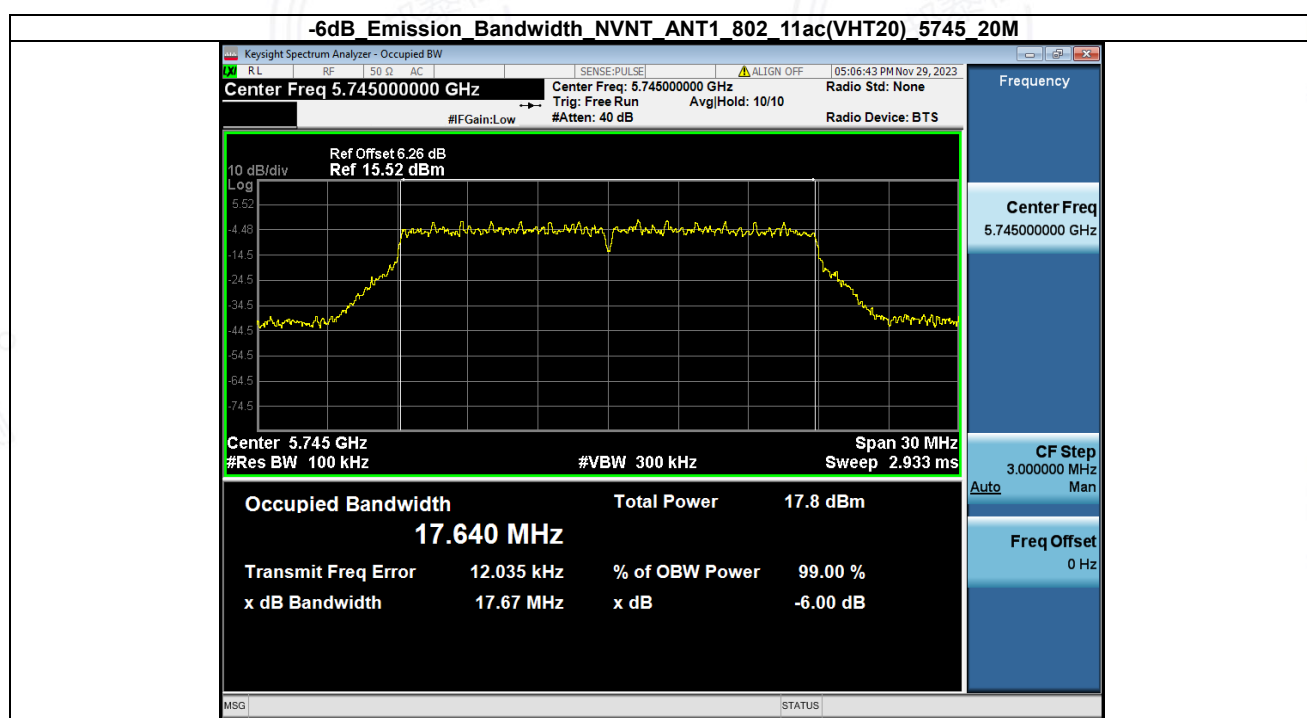
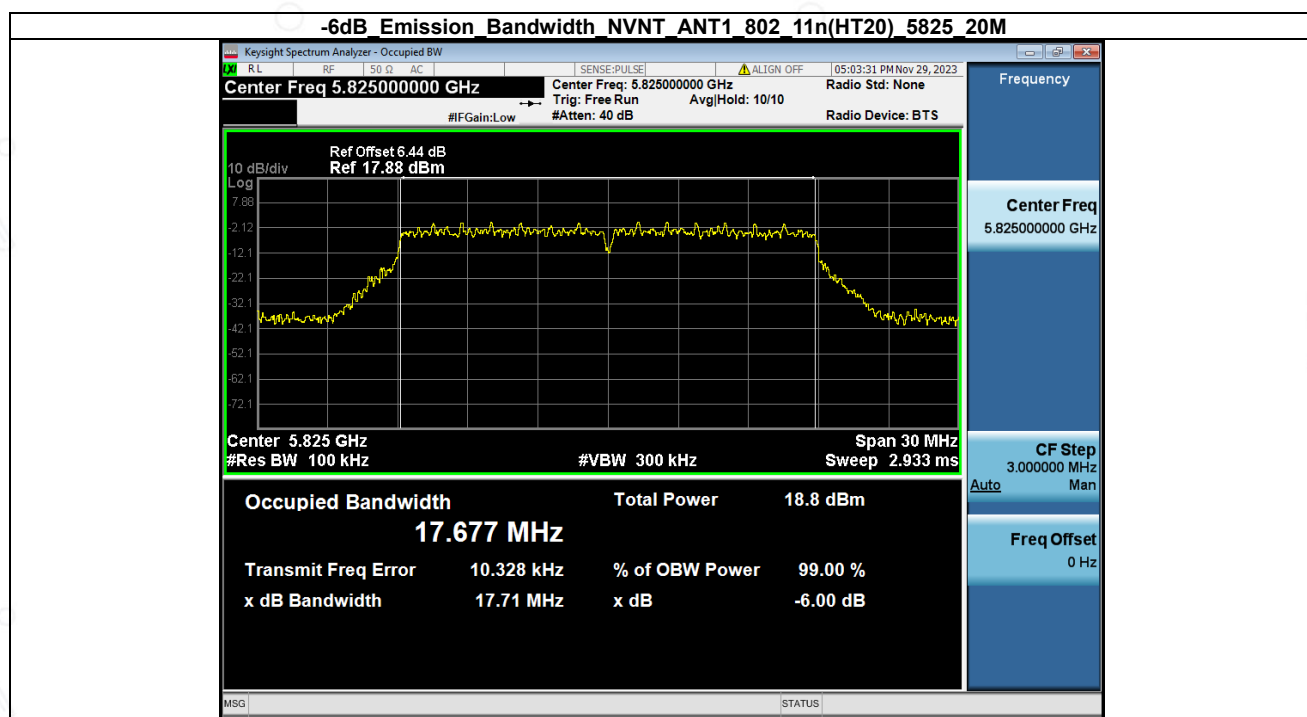
1. -6dB Emission Bandwidth

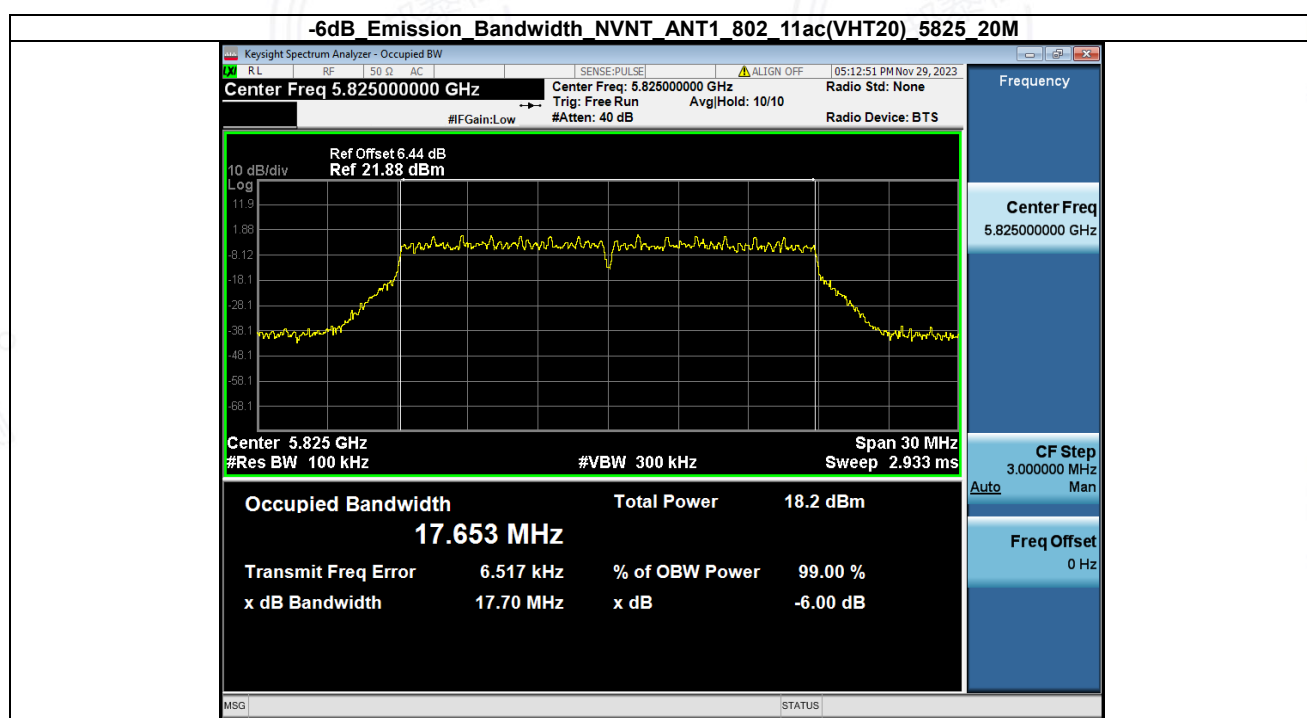
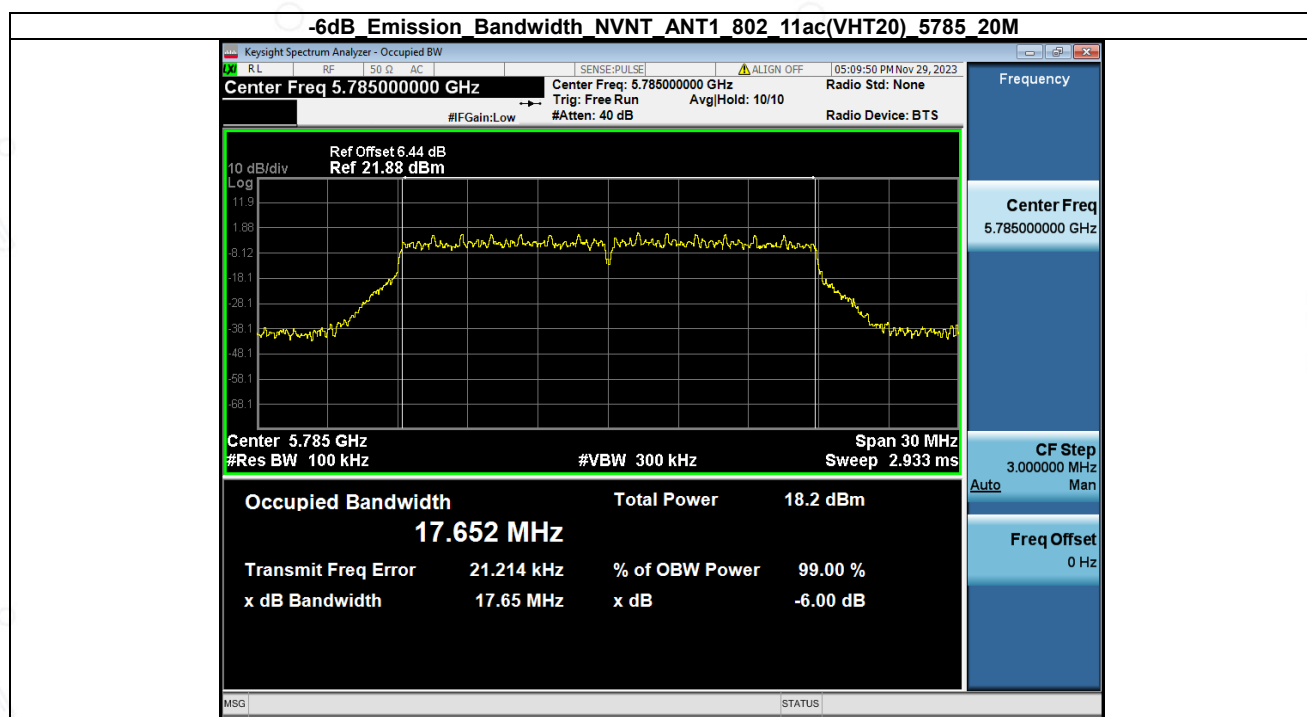
Condition	Antenna	Mode	Frequency(MHz)	-6dB Emission Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	LCH	5745.00	16.363	0.500	Pass
NVNT	ANT1	MCH	5785.00	16.343	0.500	Pass
NVNT	ANT1	HCH	5825.00	16.344	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.710	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.712	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.708	0.500	Pass
NVNT	ANT1	LCH	5745.00	17.666	0.500	Pass
NVNT	ANT1	MCH	5785.00	17.652	0.500	Pass
NVNT	ANT1	HCH	5825.00	17.697	0.500	Pass





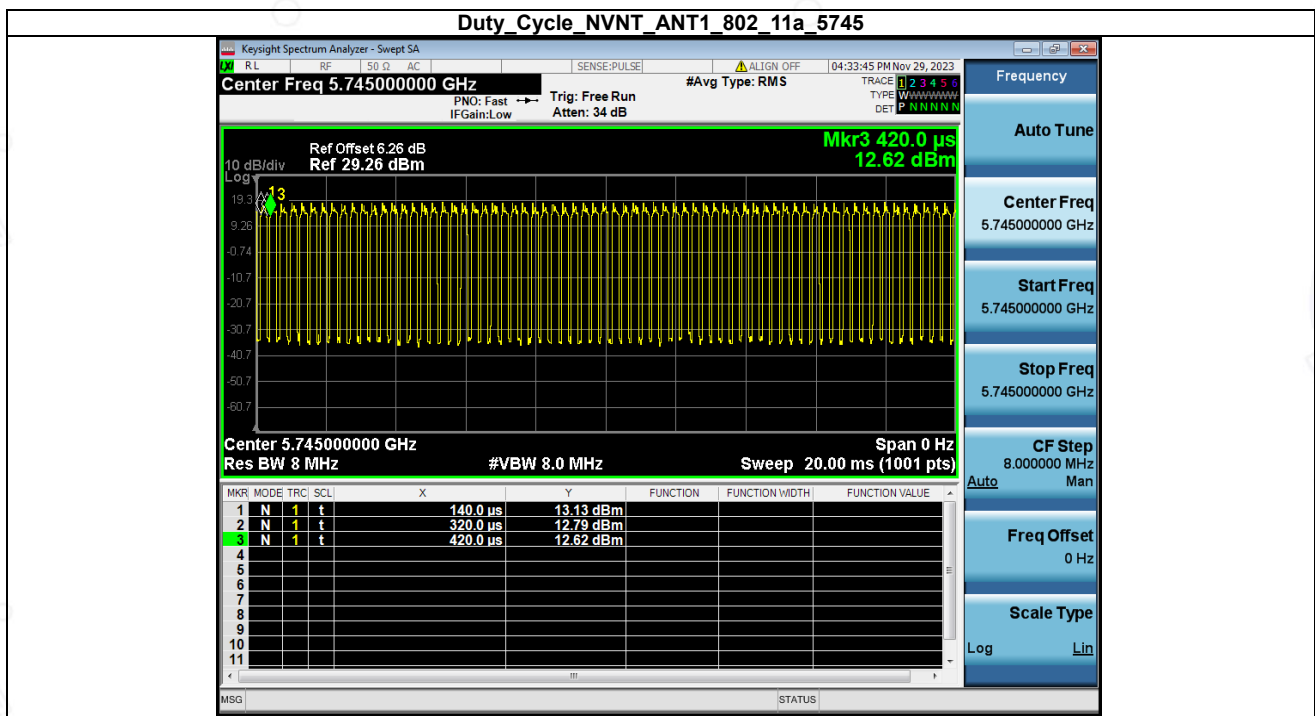






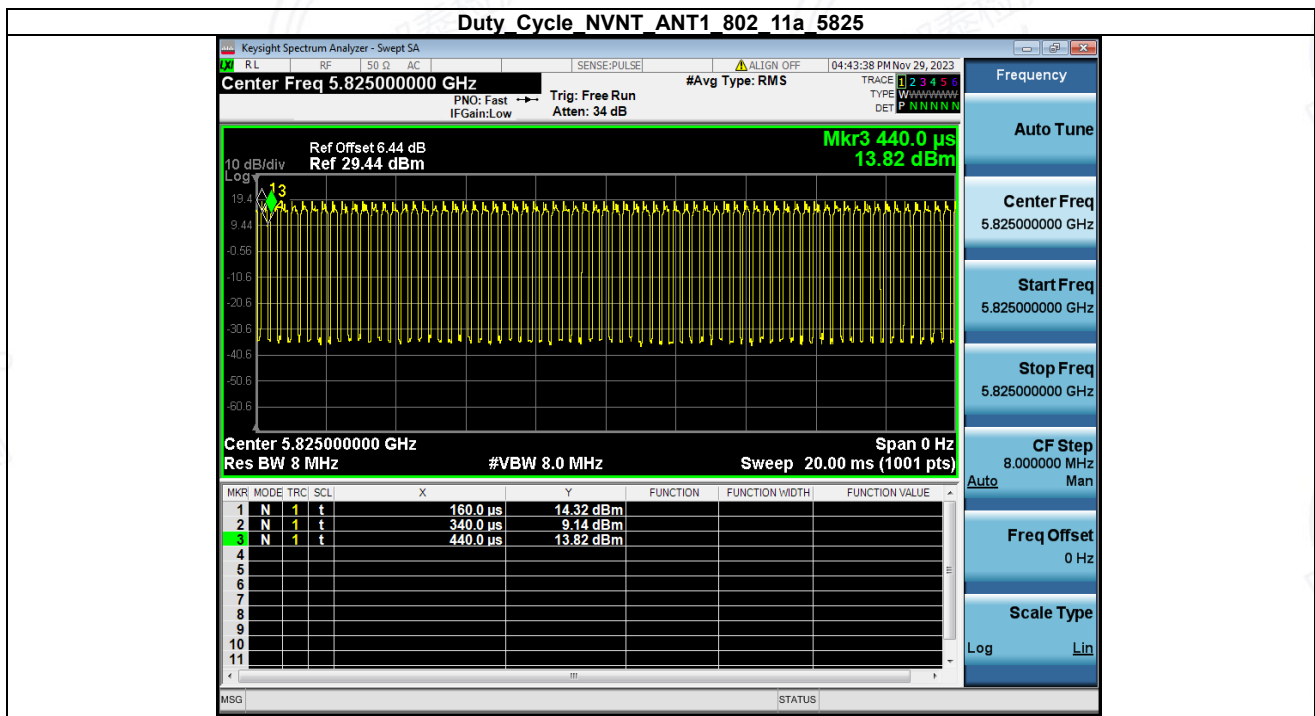
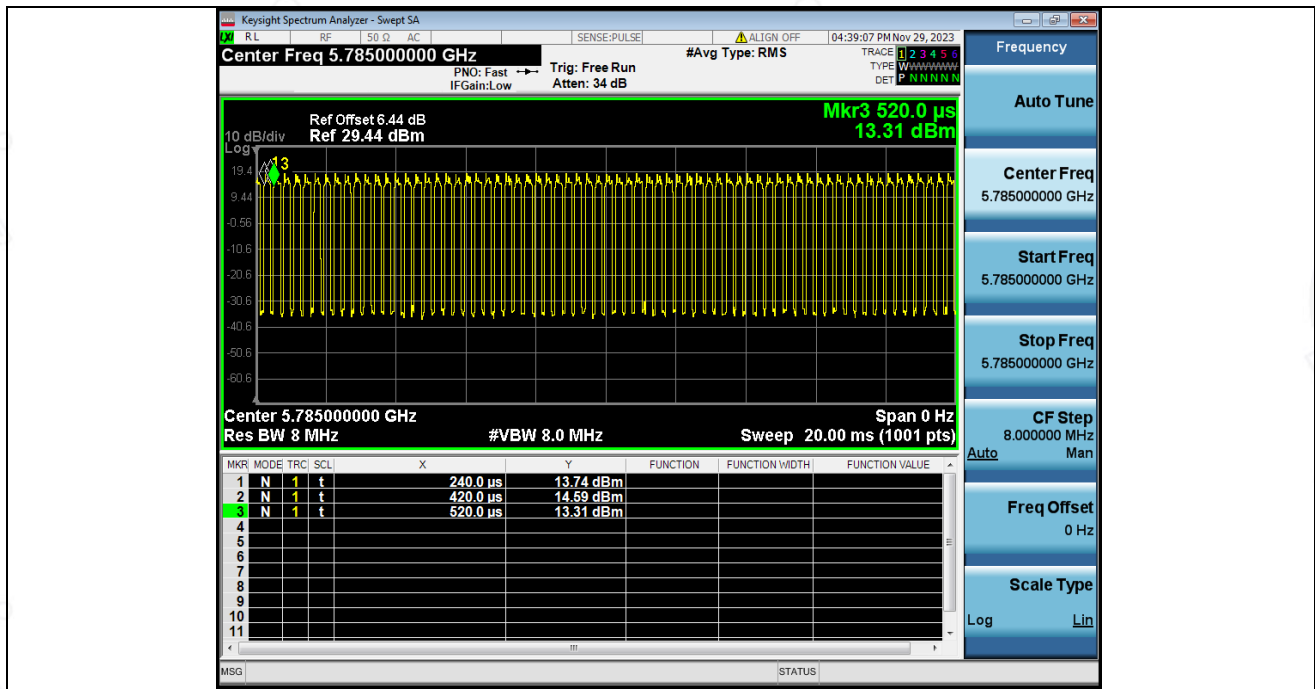
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5745.00	64.29	1.92
NVNT	ANT1	802.11a	5785.00	64.29	1.92
NVNT	ANT1	802.11a	5825.00	64.29	1.92
NVNT	ANT1	802.11n(HT20)	5745.00	57.14	2.43
NVNT	ANT1	802.11n(HT20)	5785.00	64.29	1.92
NVNT	ANT1	802.11n(HT20)	5825.00	57.14	2.43
NVNT	ANT1	802.11ac(VHT20)	5745.00	61.54	2.11
NVNT	ANT1	802.11ac(VHT20)	5785.00	53.85	2.69
NVNT	ANT1	802.11ac(VHT20)	5825.00	53.85	2.69



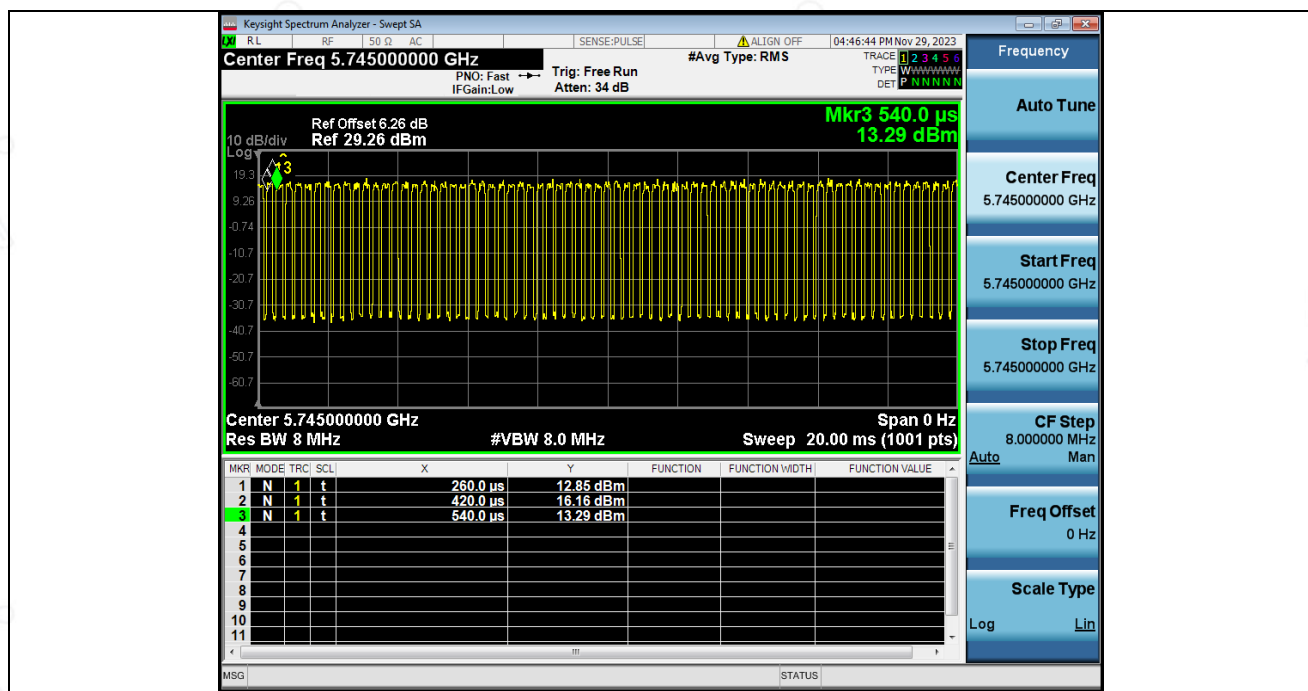
Duty_Cycle_NVNT_ANT1_802_11a_5785

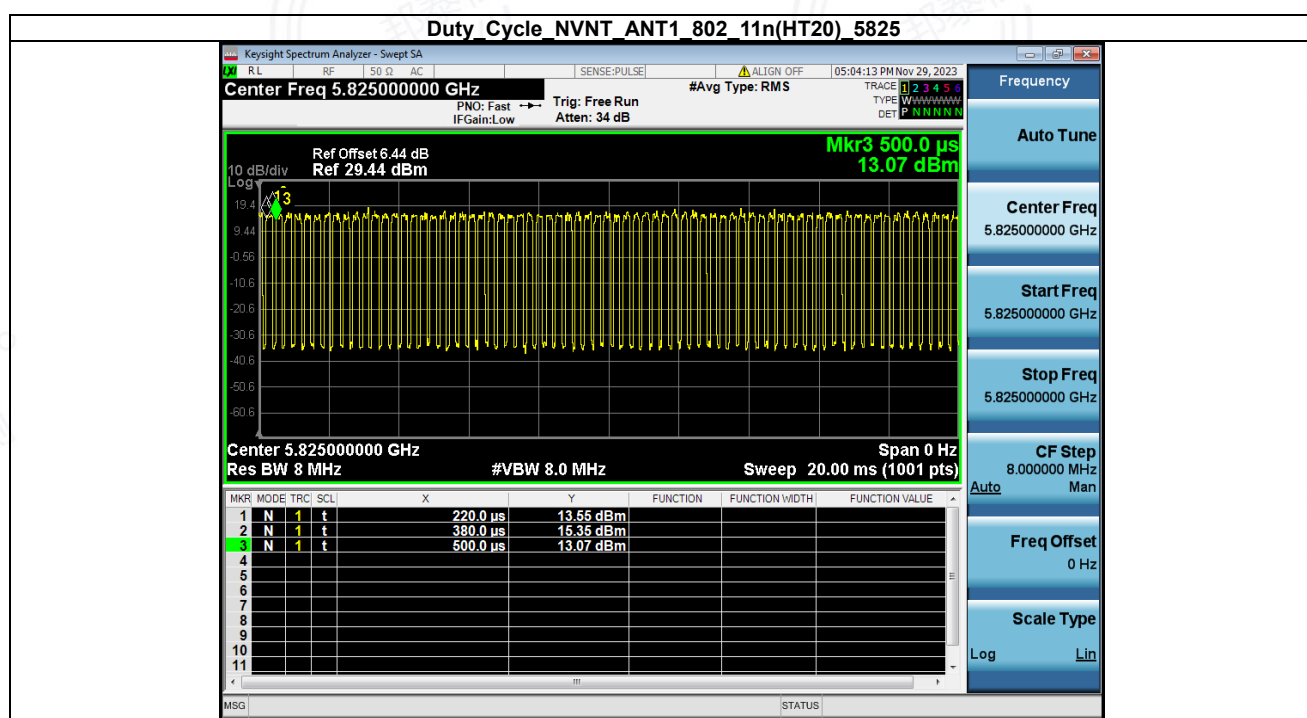
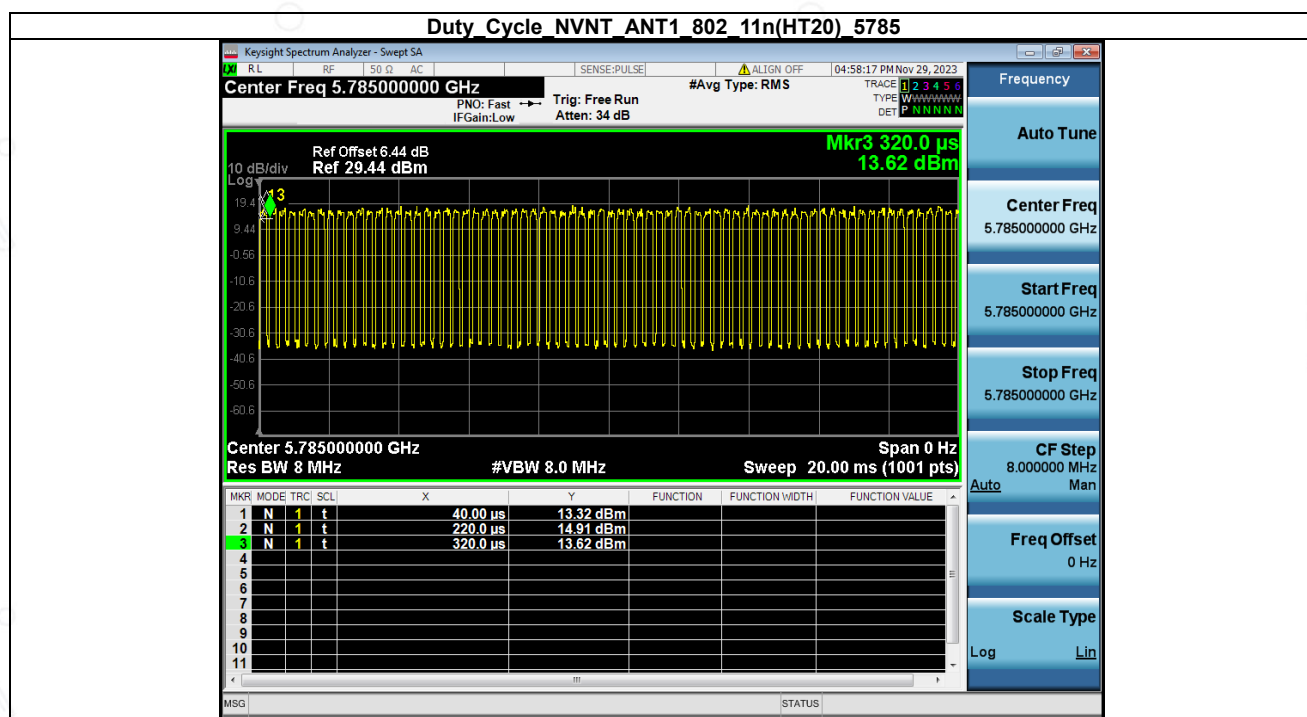


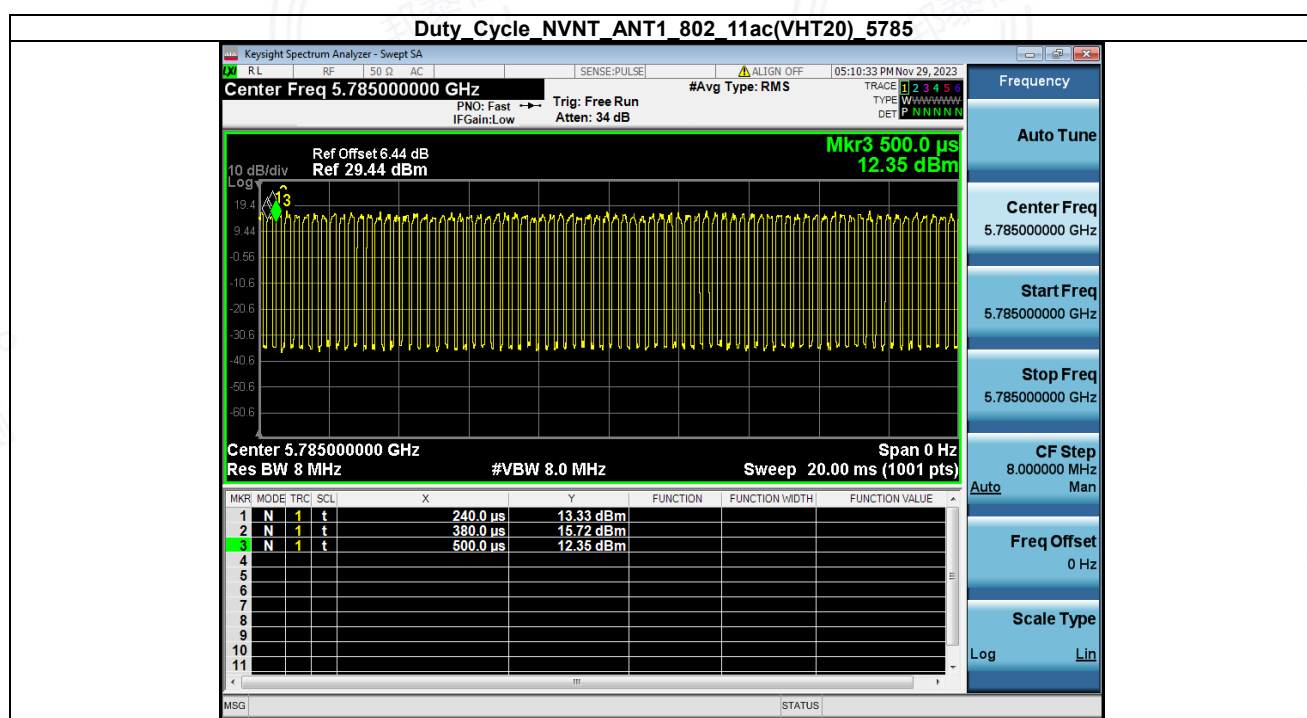
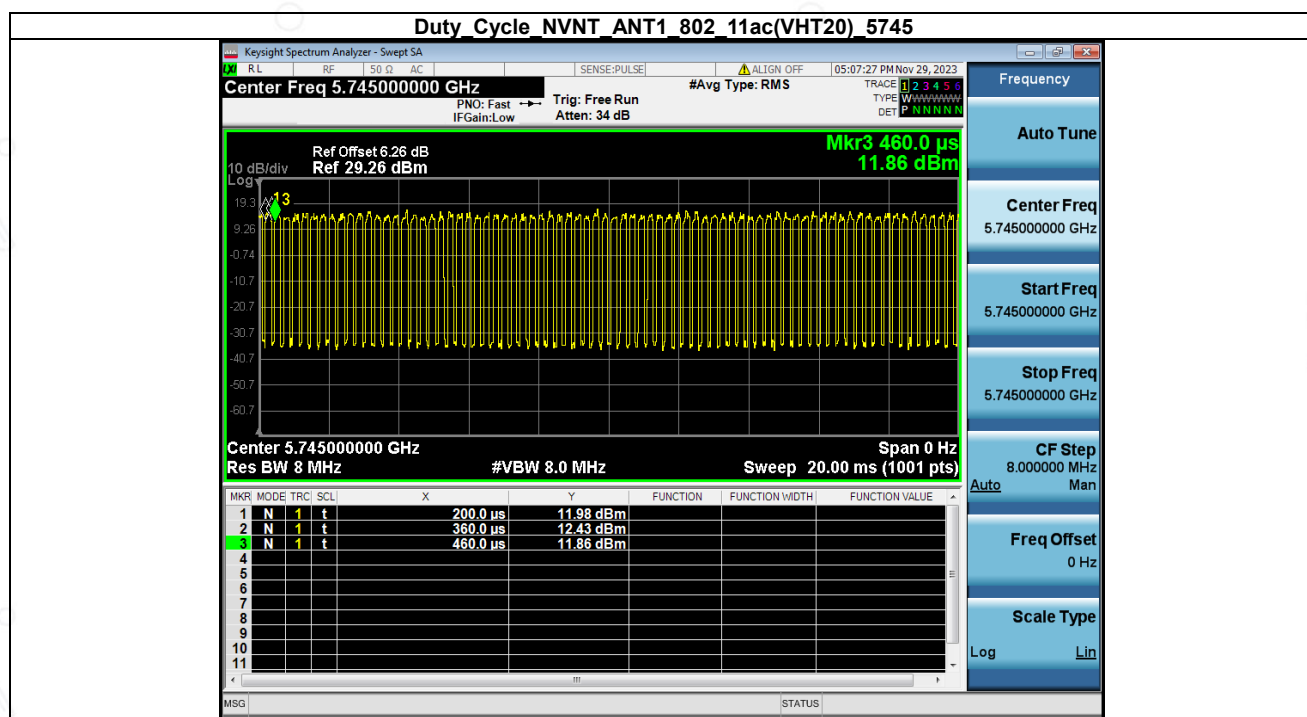


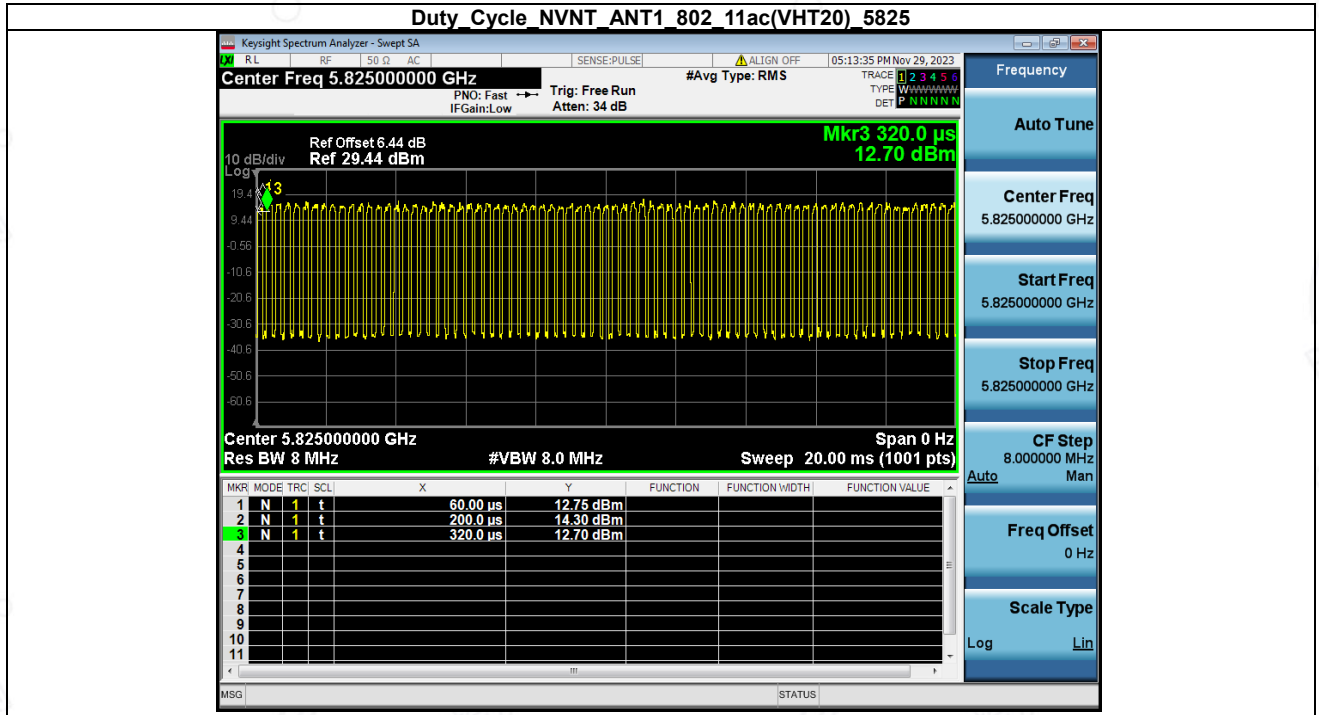
Duty Cycle NVNT ANT1_802_11n(HT20)_5745











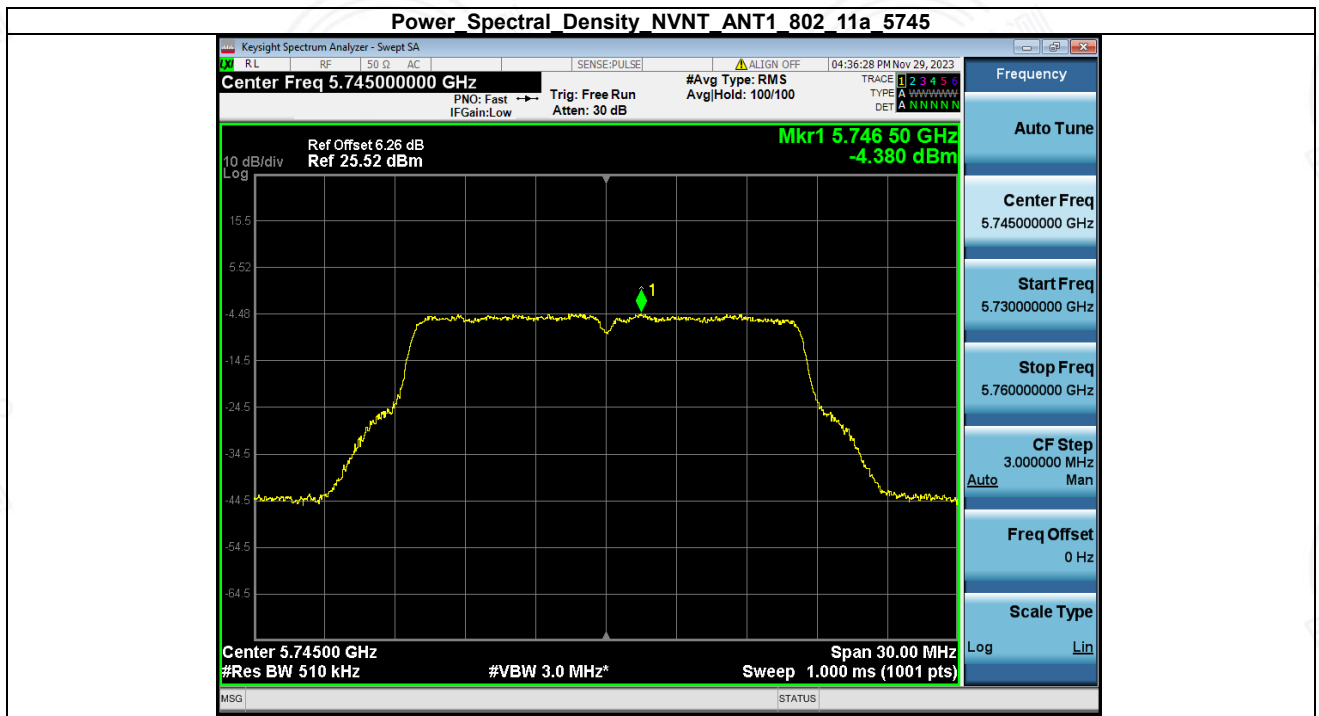
3. Maximum Conducted Output Power

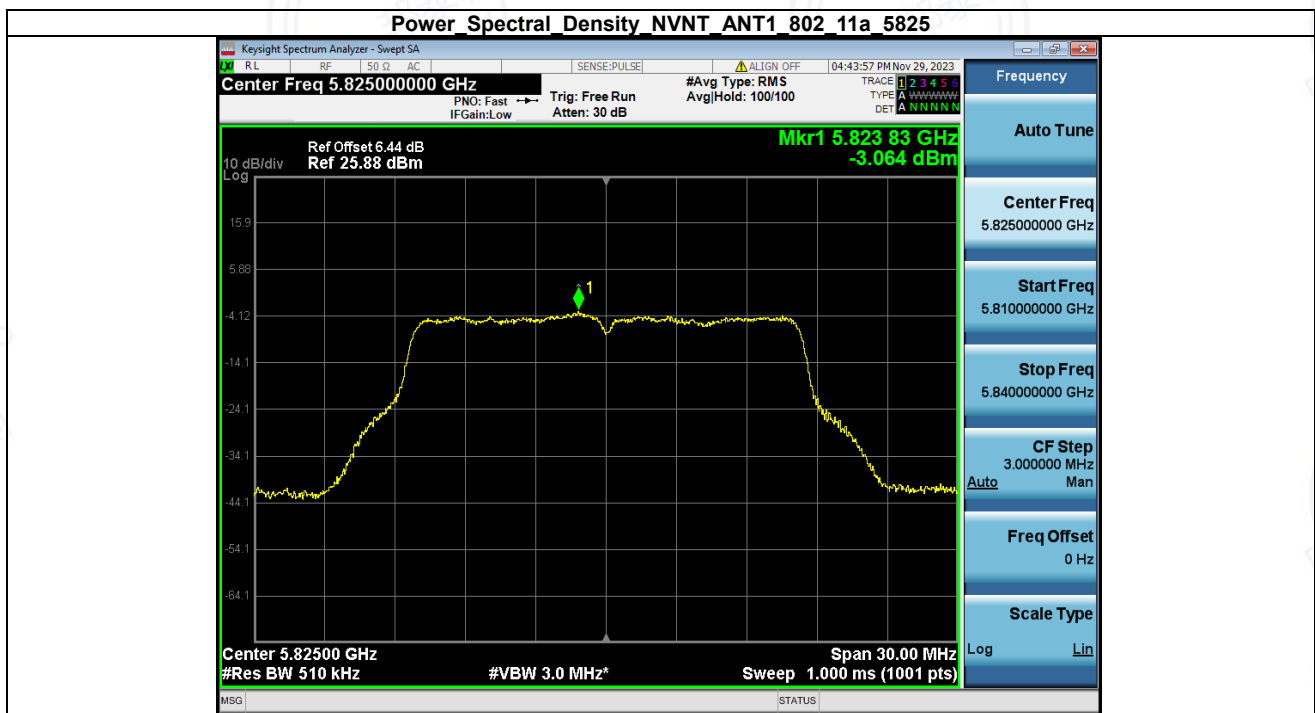
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	9.51	1.92	11.43	30	Pass
NVNT	ANT1	802.11a	5785.00	9.85	1.92	11.77	30	Pass
NVNT	ANT1	802.11a	5825.00	9.80	1.92	11.72	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	9.11	2.43	11.54	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	9.85	1.92	11.77	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	9.59	2.43	12.02	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	8.18	2.11	10.29	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	8.72	2.69	11.41	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	8.96	2.69	11.65	30	Pass

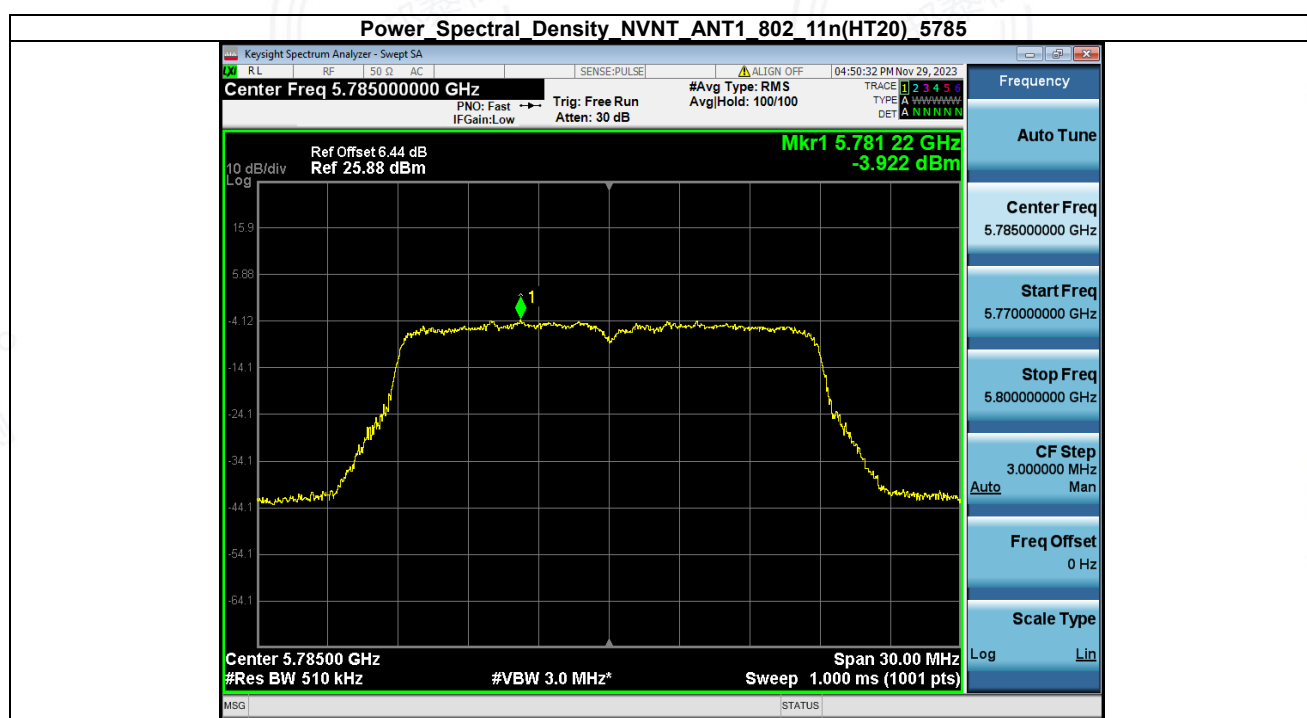
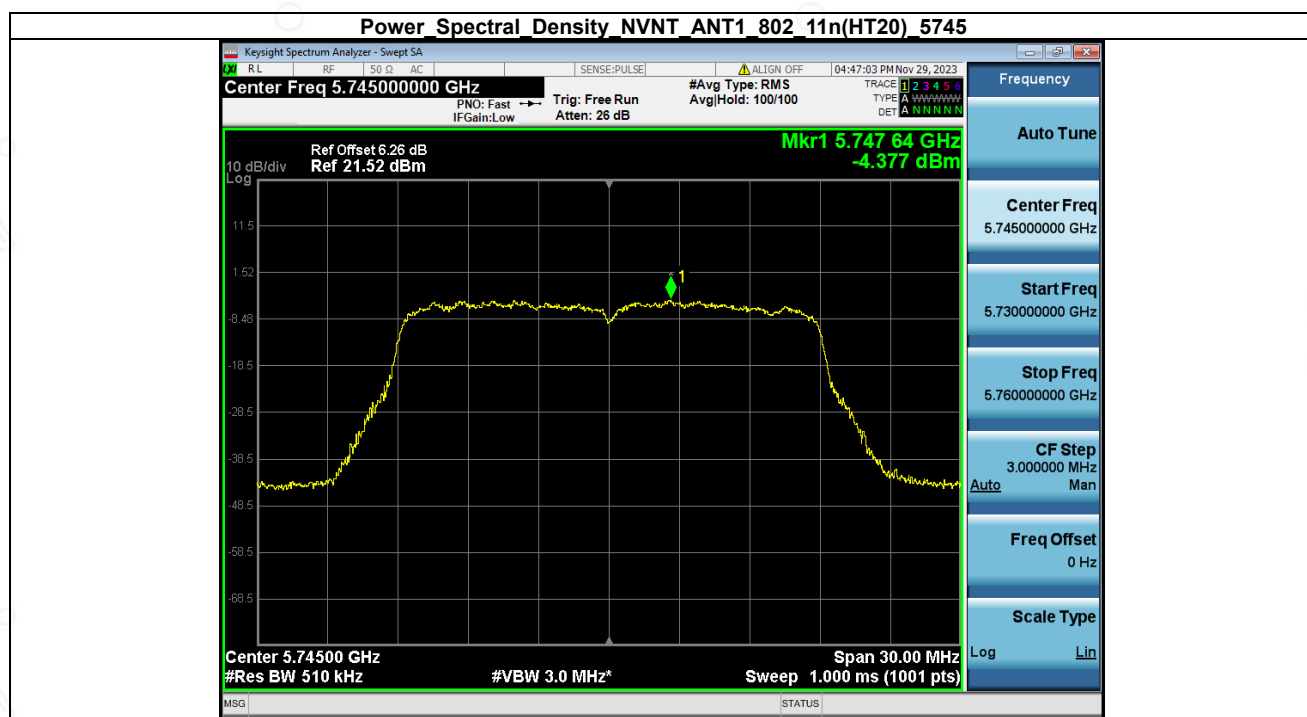


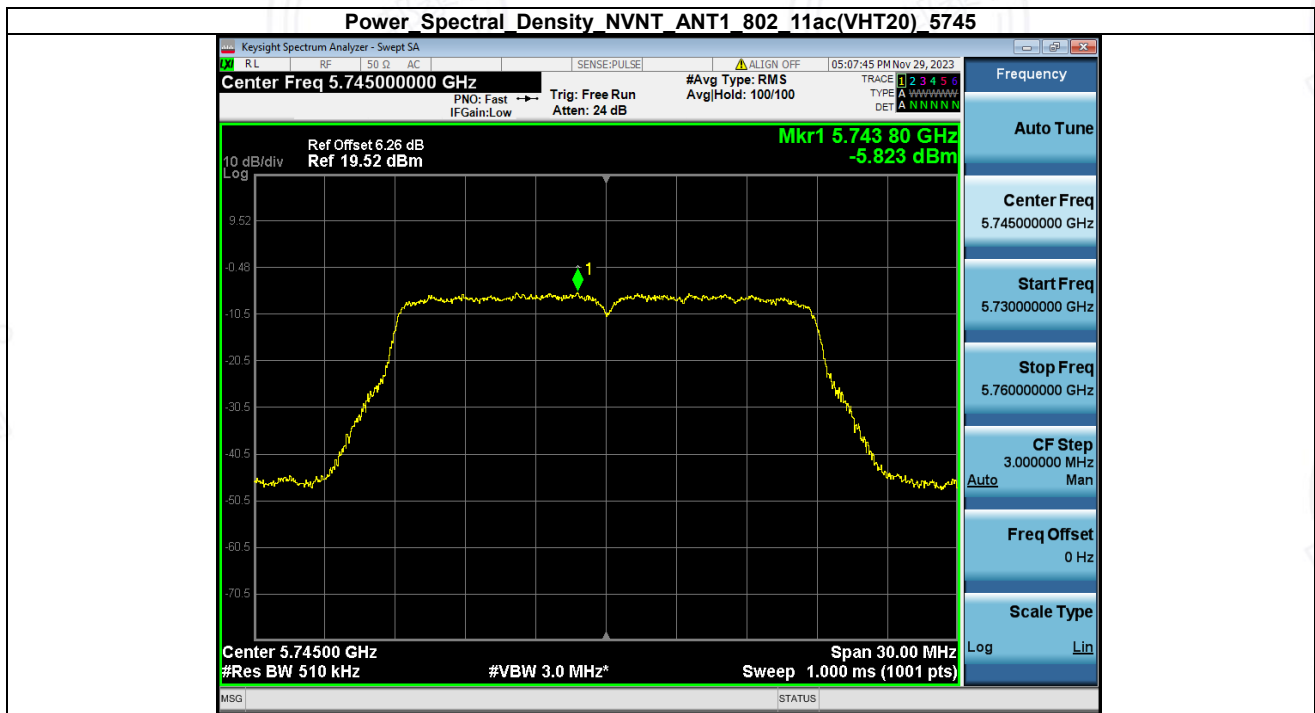
4. Power Spectral Density

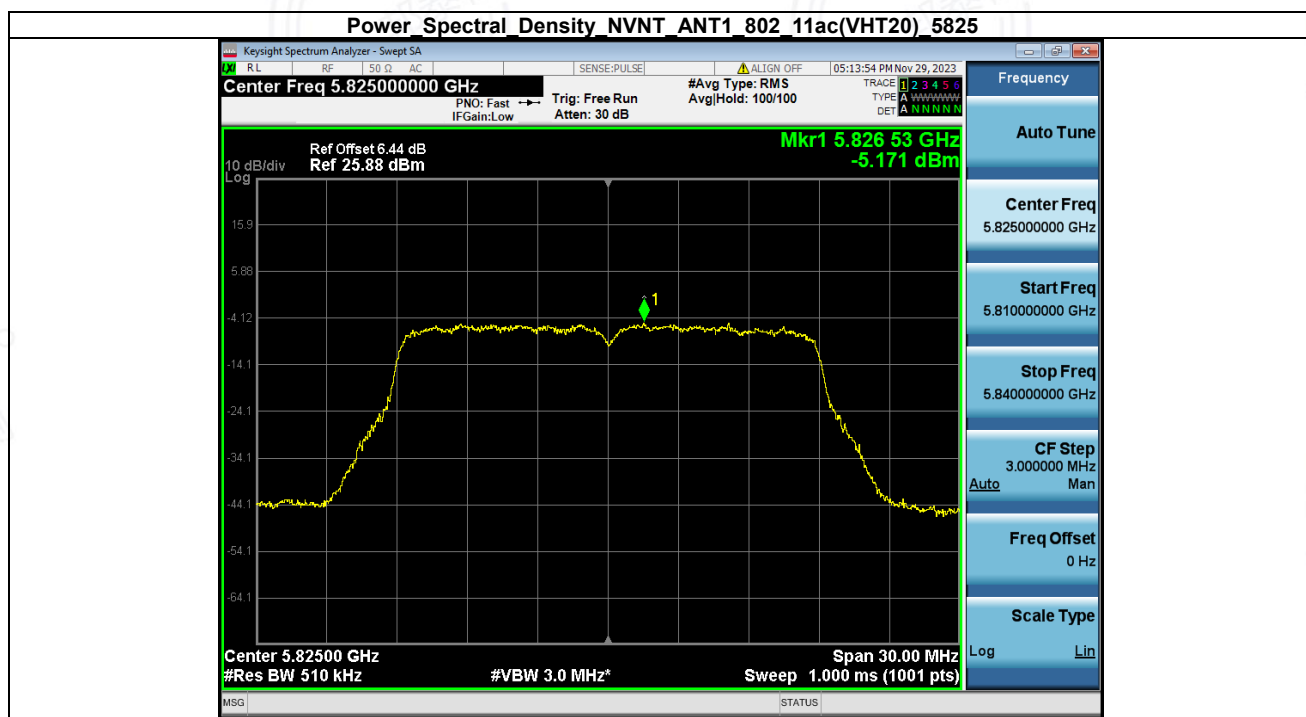
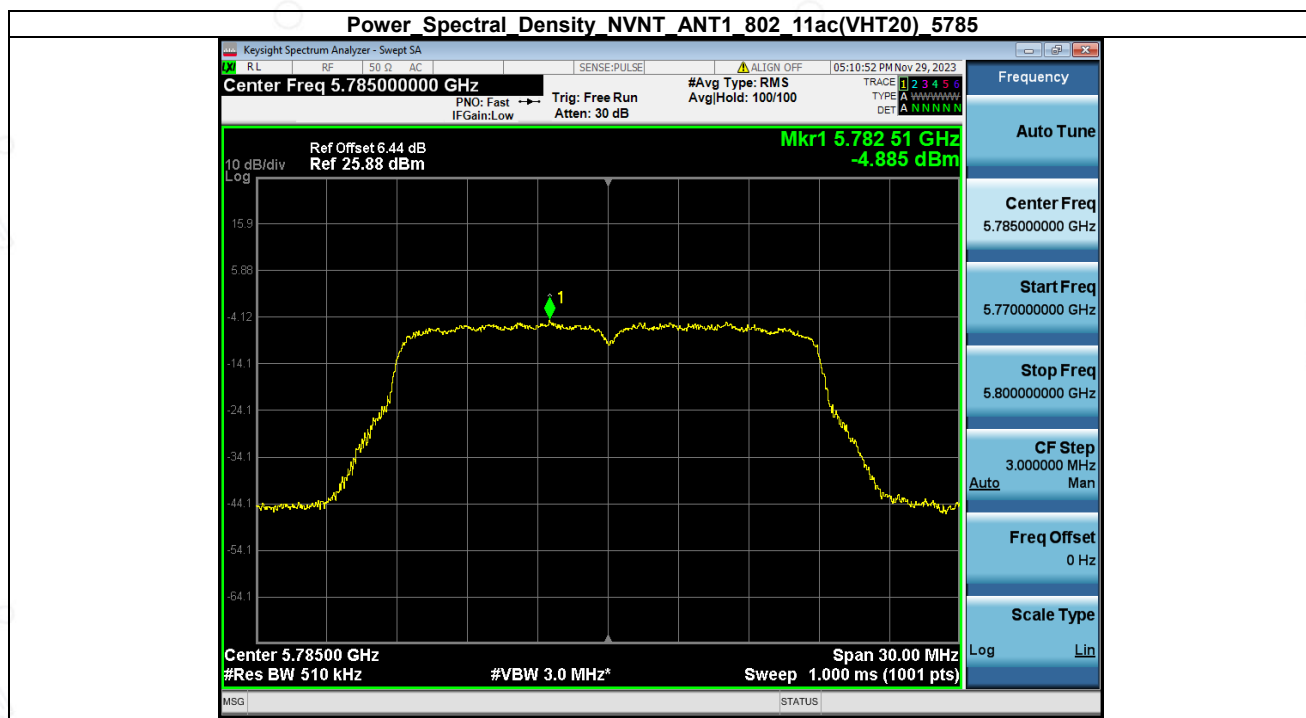
Condition	Antenna	Modulation	Frequency (MHz)	PSD_SA(dBm/RBW)	Duty factor(dB)	RB factor(dB)	PSD(dBm/500k Hz)	limit(dBm/500k Hz)	Result
NVNT	ANT1	802.11a	5745.00	-4.38	1.92	-0	-2.55	30	Pass
NVNT	ANT1	802.11a	5785.00	-3.77	1.92	-0	-1.93	30	Pass
NVNT	ANT1	802.11a	5825.00	-3.06	1.92	-0	-1.23	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-4.38	2.43	-0	-2.03	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-3.92	2.11	-0	-1.90	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	-3.78	2.43	-0	-1.44	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-5.82	2.11	-0	-3.80	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	-4.88	2.69	-0	-2.28	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-5.17	2.69	-0	-2.57	30	Pass





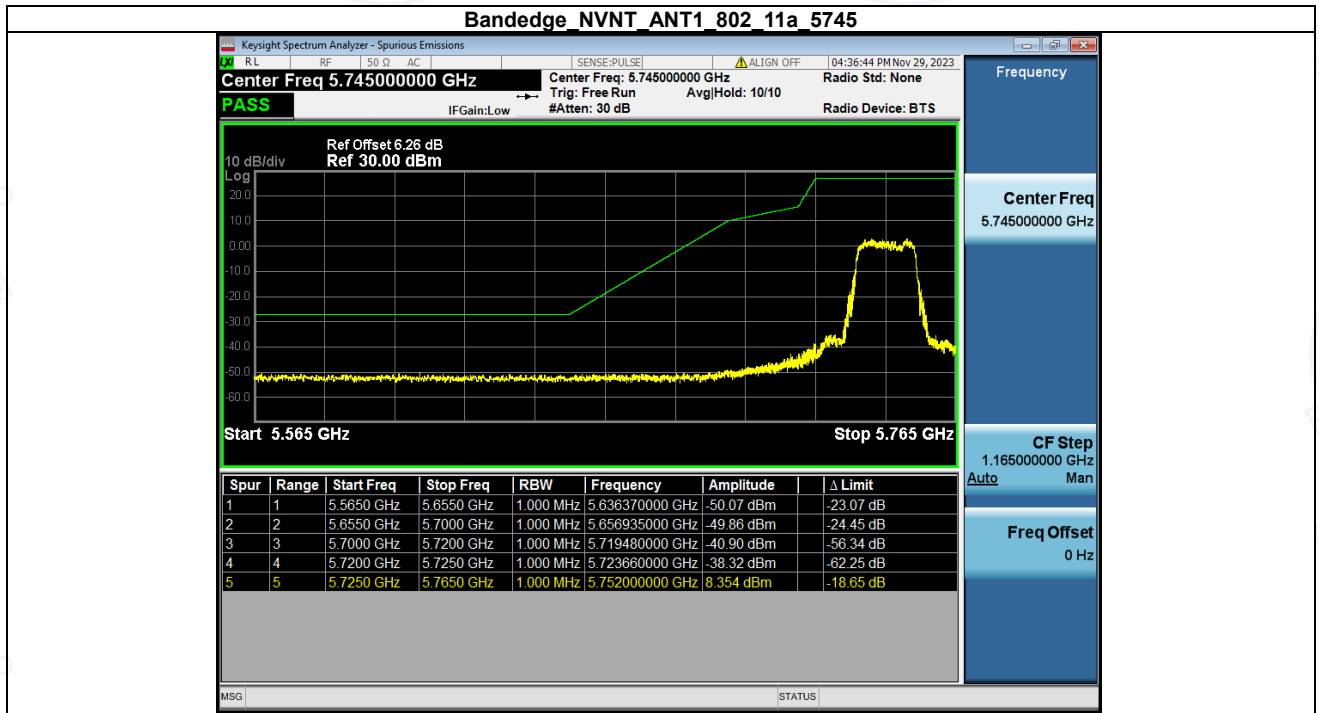


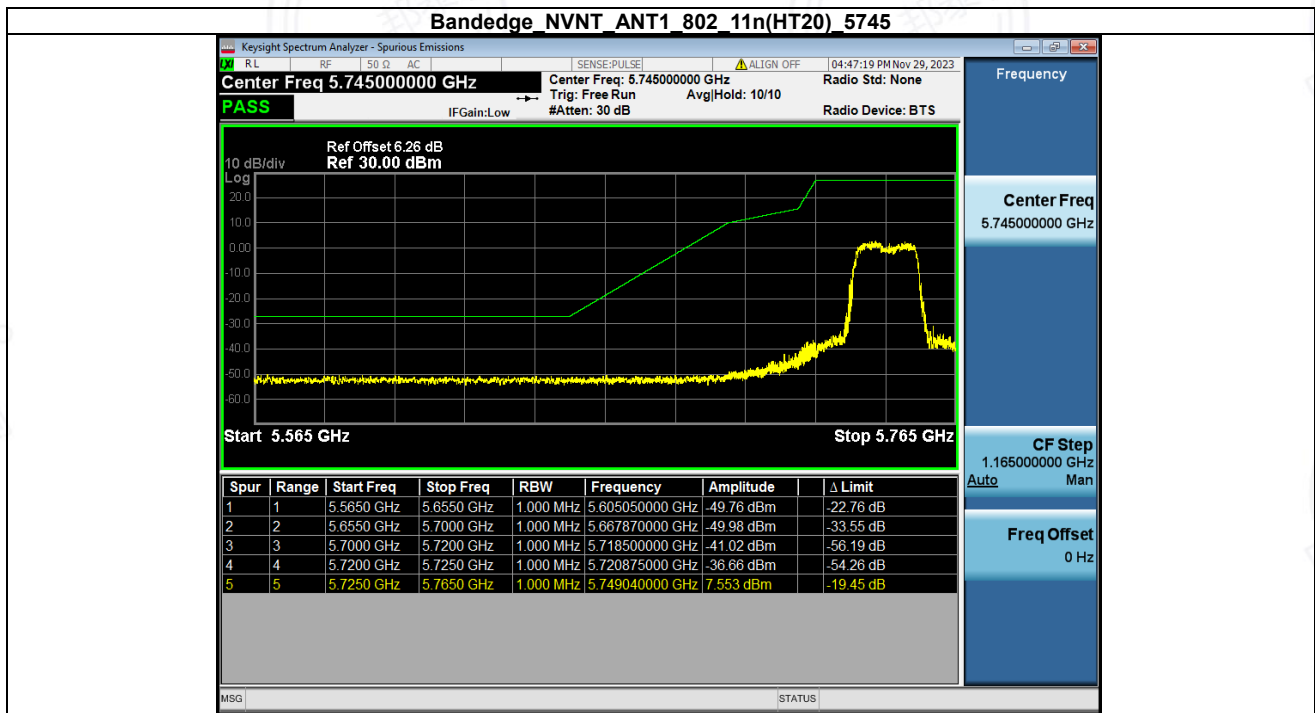
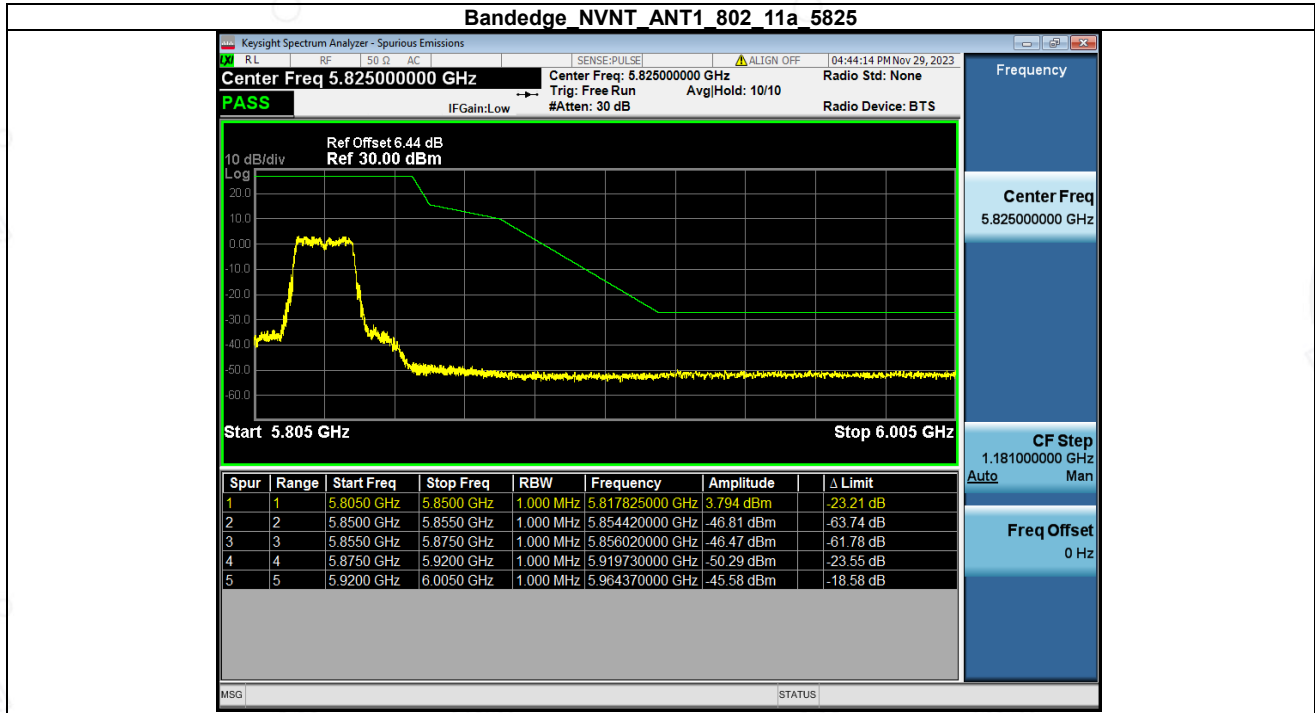


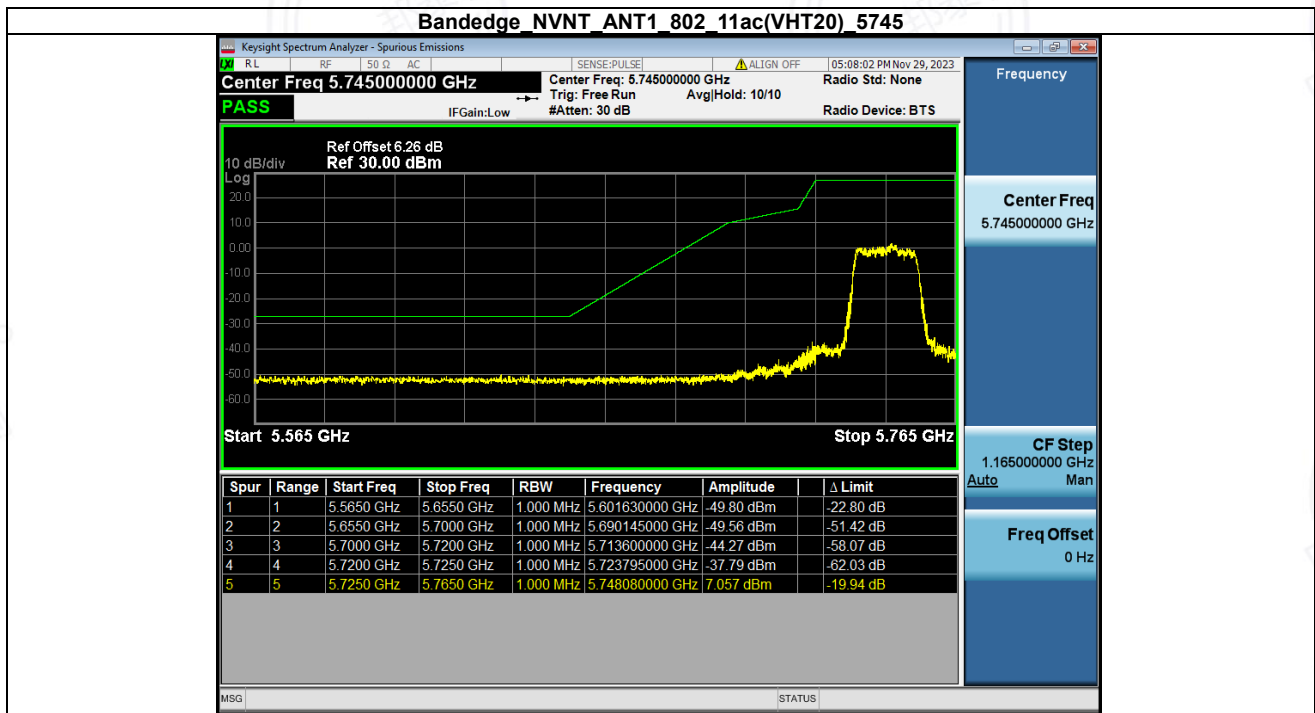
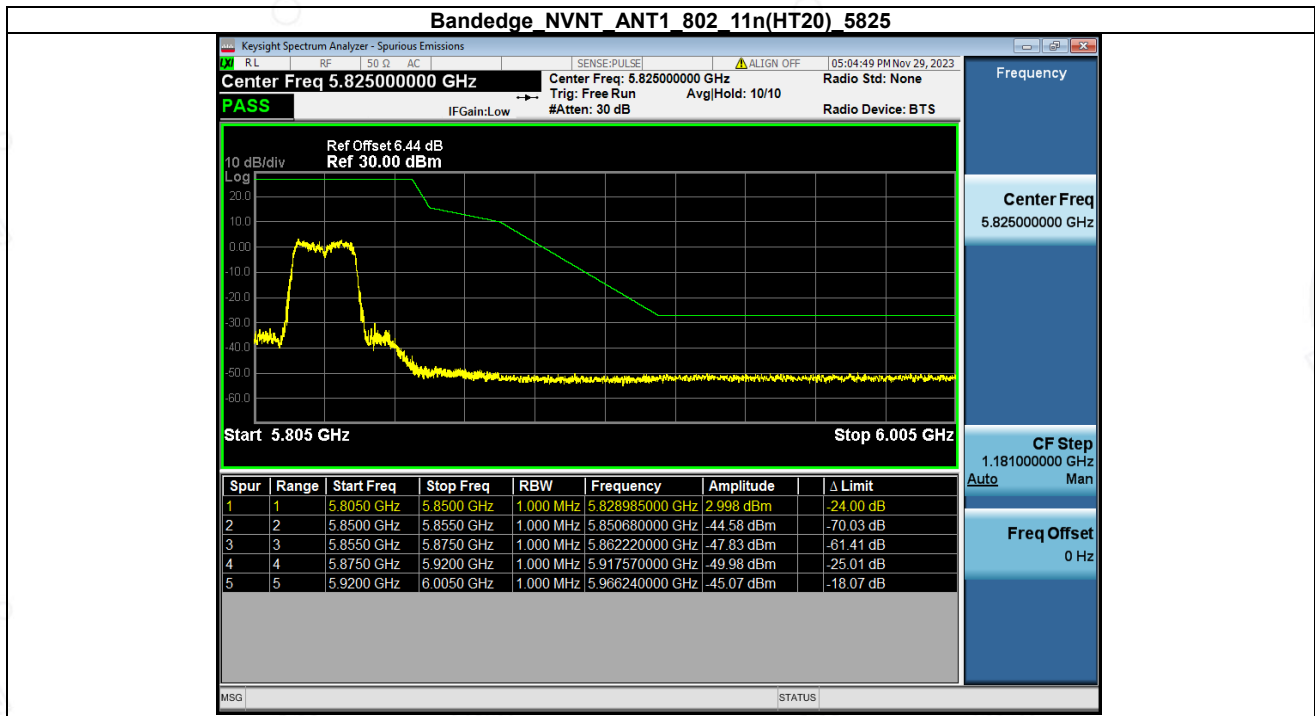


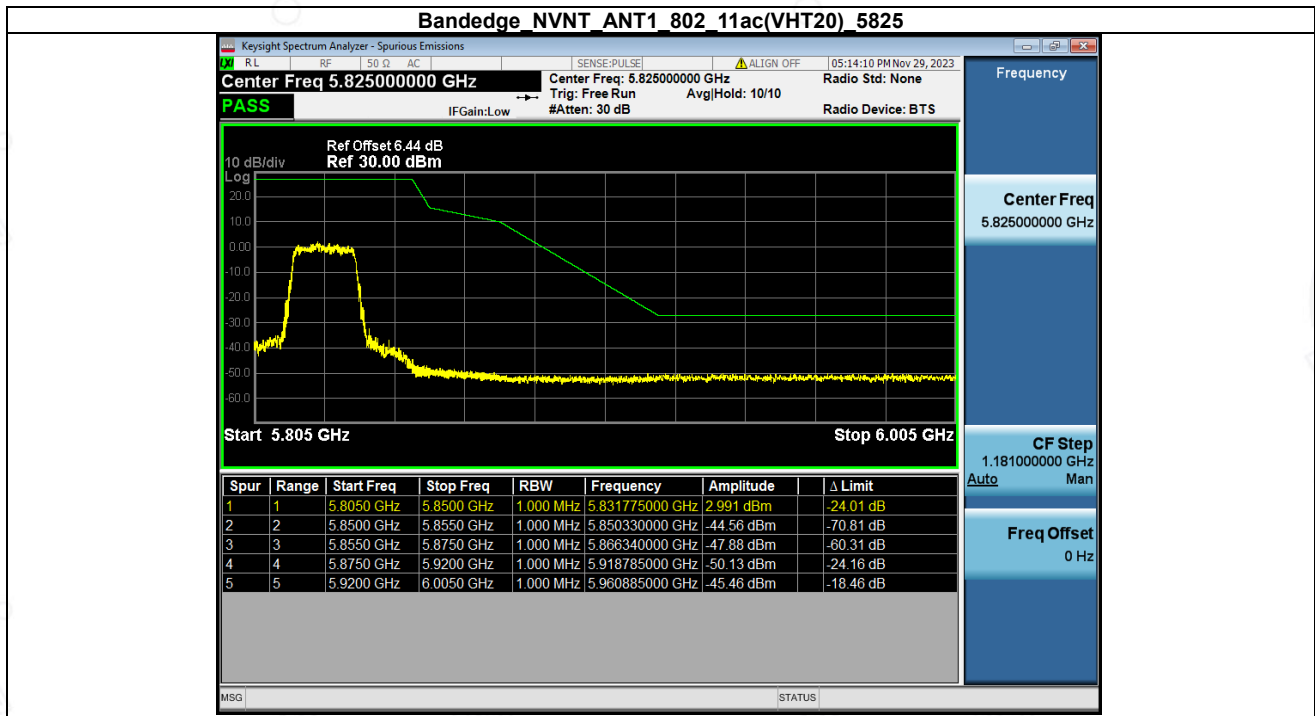
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5636.370	-50.07	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5656.935	-49.86	-25.41	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5719.480	-40.90	15.45	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5723.660	-38.32	23.94	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.420	-46.81	16.92	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5856.020	-46.47	15.31	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5919.730	-50.29	-26.78	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5964.370	-45.58	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5605.050	-49.76	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5667.870	-49.98	-16.42	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5718.500	-41.02	15.18	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5720.875	-36.66	17.59	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5850.680	-44.58	25.45	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5862.220	-47.83	13.58	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5917.570	-49.98	-25.00	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5966.240	-45.07	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5601.630	-49.80	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5690.145	-49.56	1.90	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5713.600	-44.27	13.81	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5723.795	-37.79	24.25	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5850.330	-44.56	26.25	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5866.340	-47.88	12.42	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5918.785	-50.13	-26.00	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5960.885	-45.46	-27.00	Pass



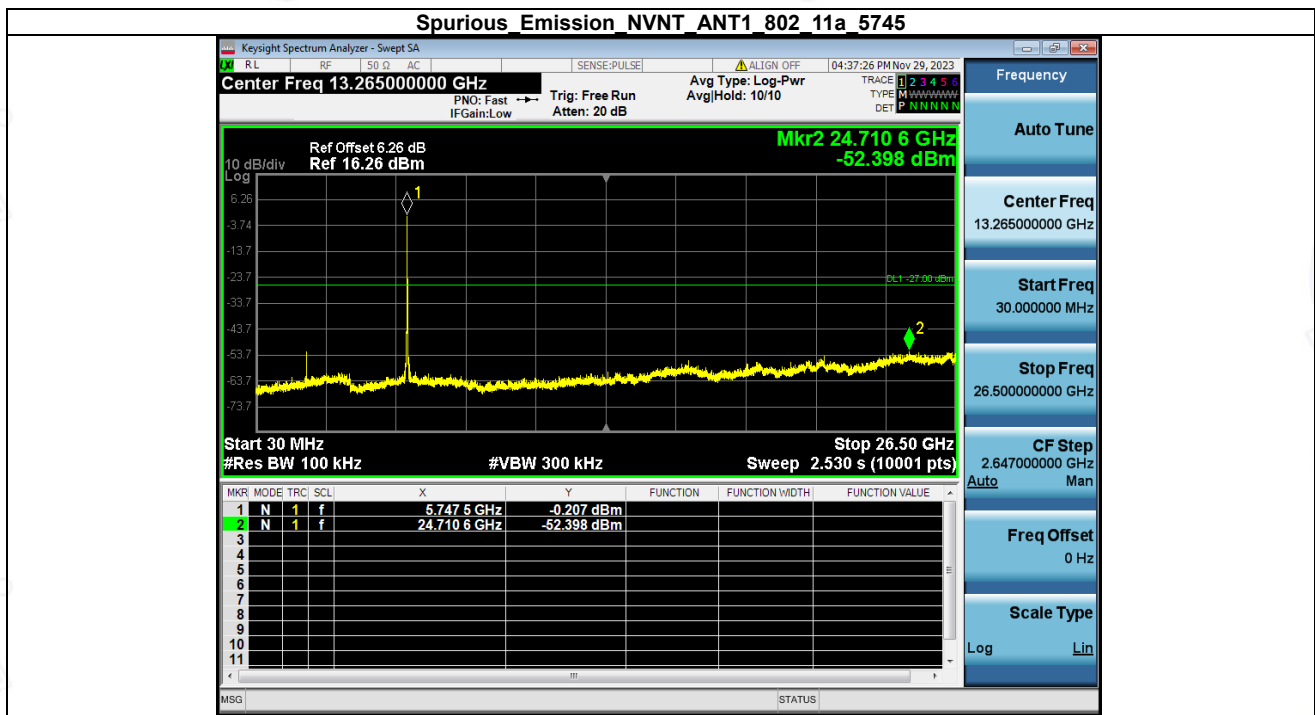






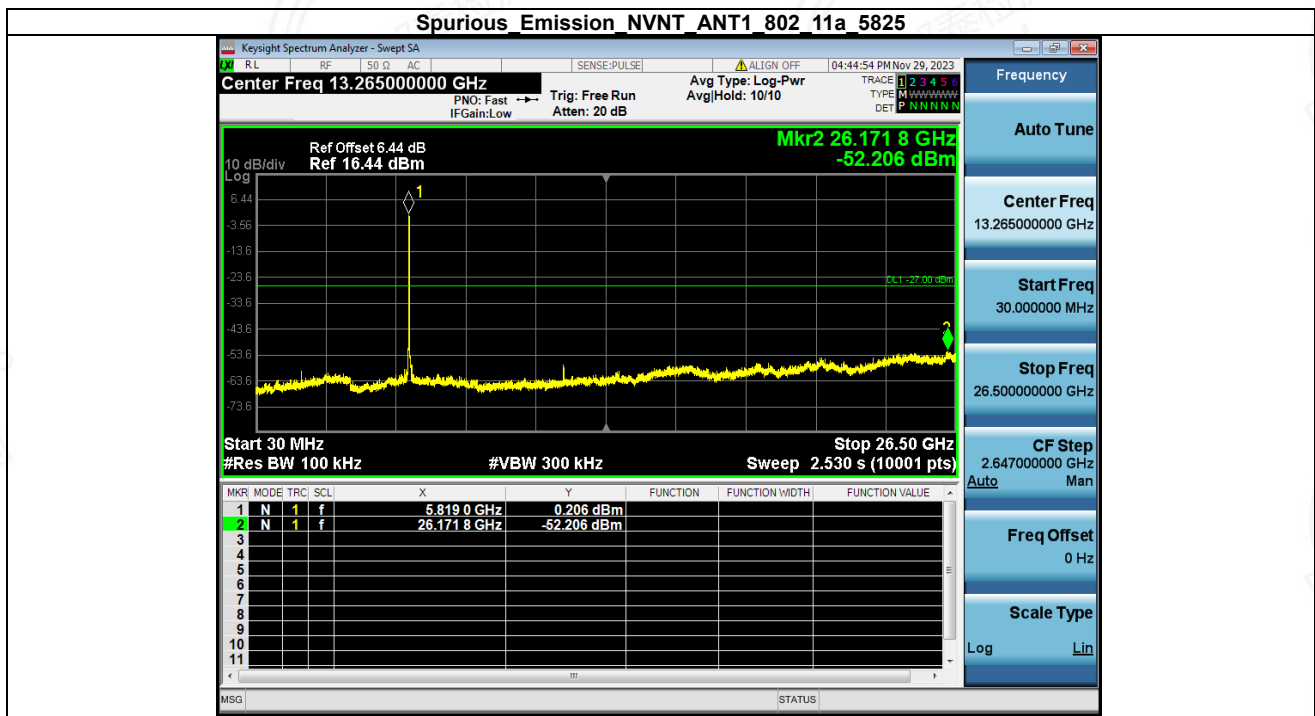
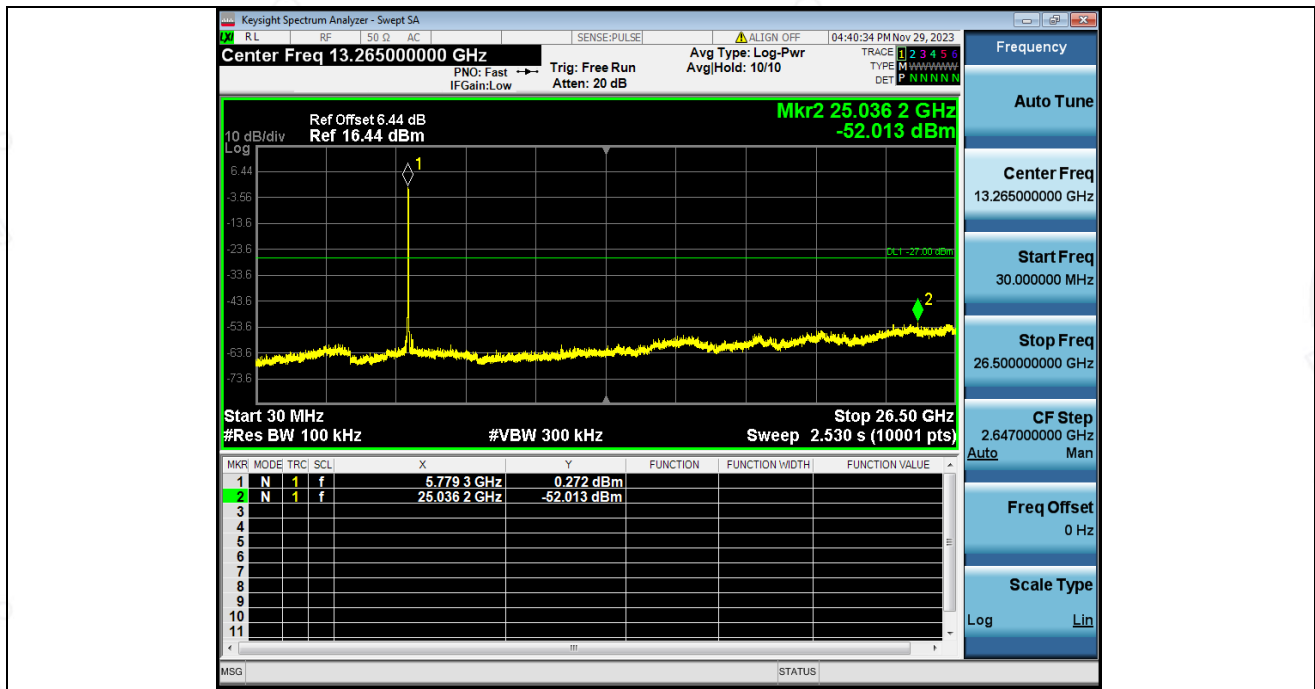
6. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	24710.63	-52.40	-27	Pass
NVNT	ANT1	802.11a	5785.00	25036.21	-52.01	-27	Pass
NVNT	ANT1	802.11a	5825.00	26171.77	-52.21	-27	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	26174.42	-52.47	-27	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	26203.54	-51.57	-27	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	26198.24	-51.21	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	26200.89	-52.35	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	1763.79	-40.88	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	26269.71	-52.22	-27	Pass



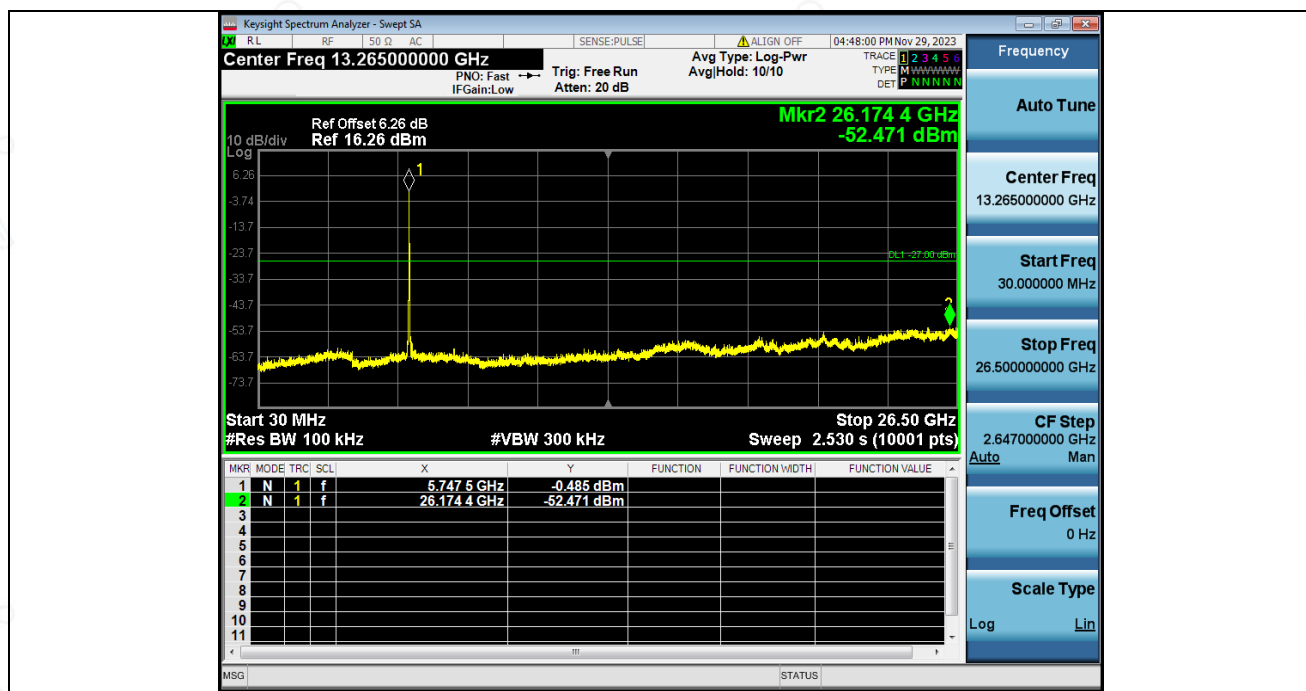
Spurious Emission_NVNT_ANT1_802_11a_5785

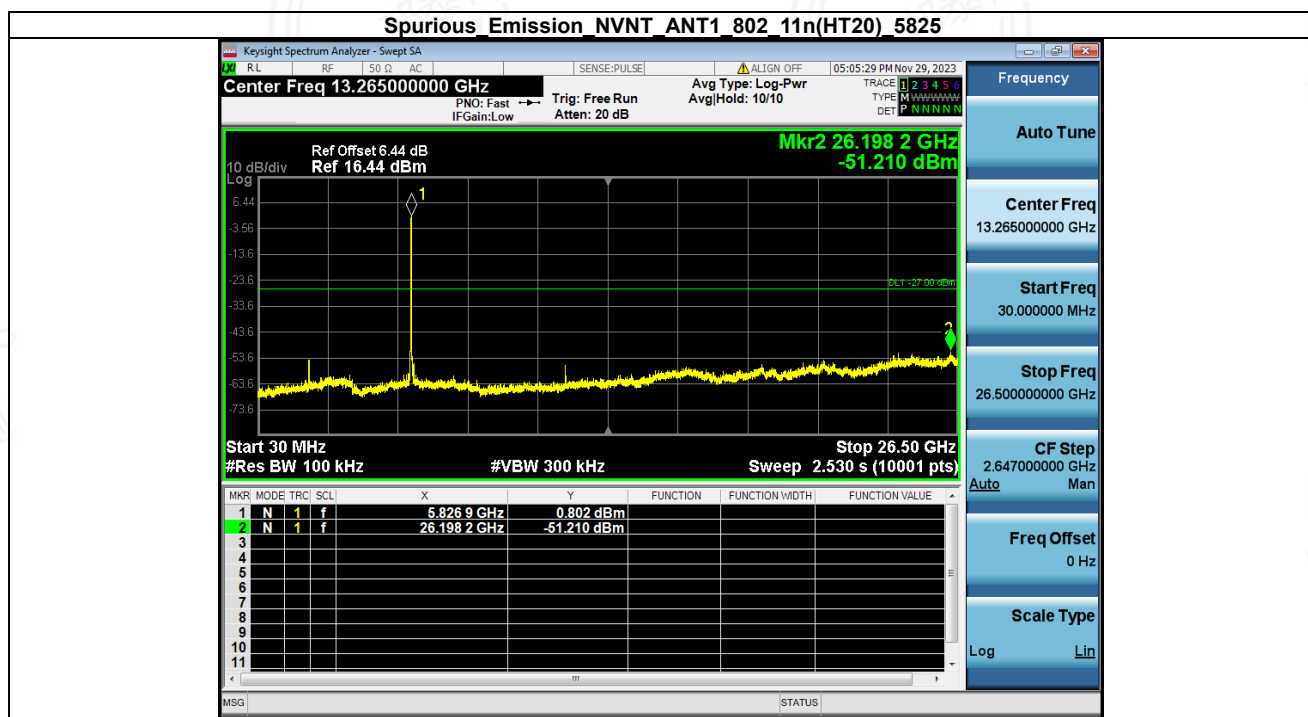
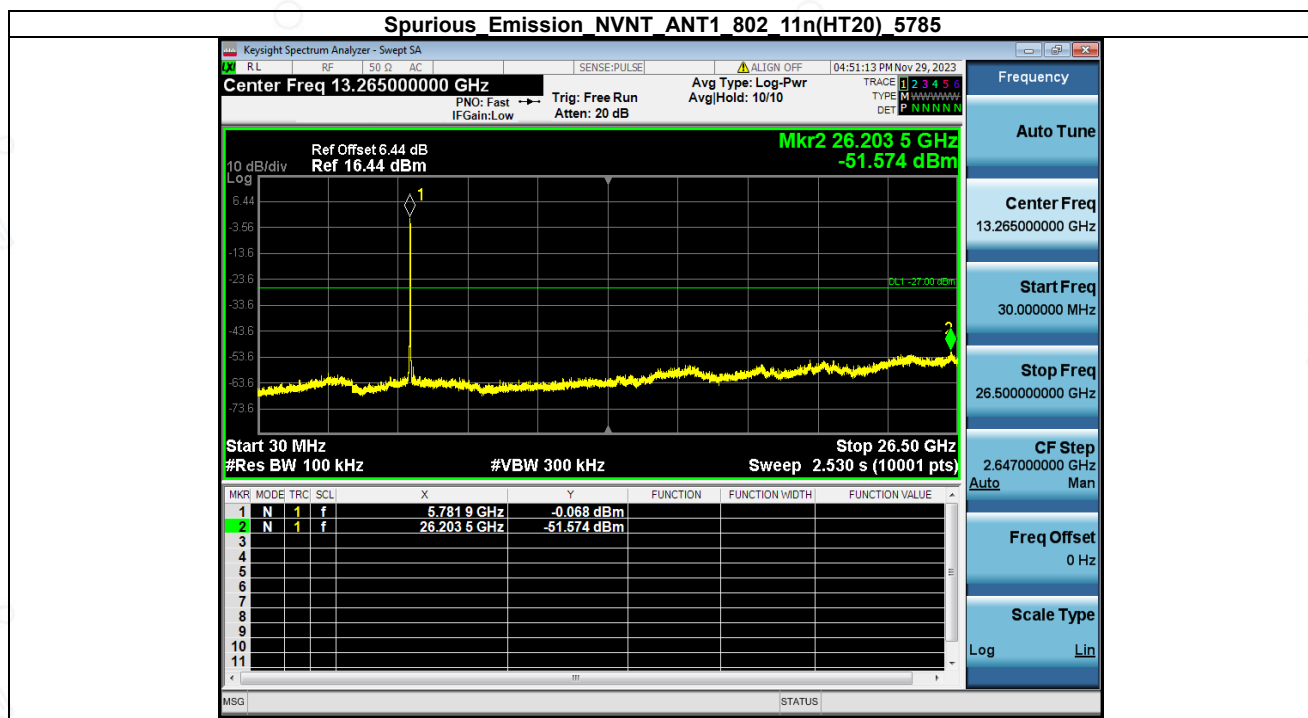




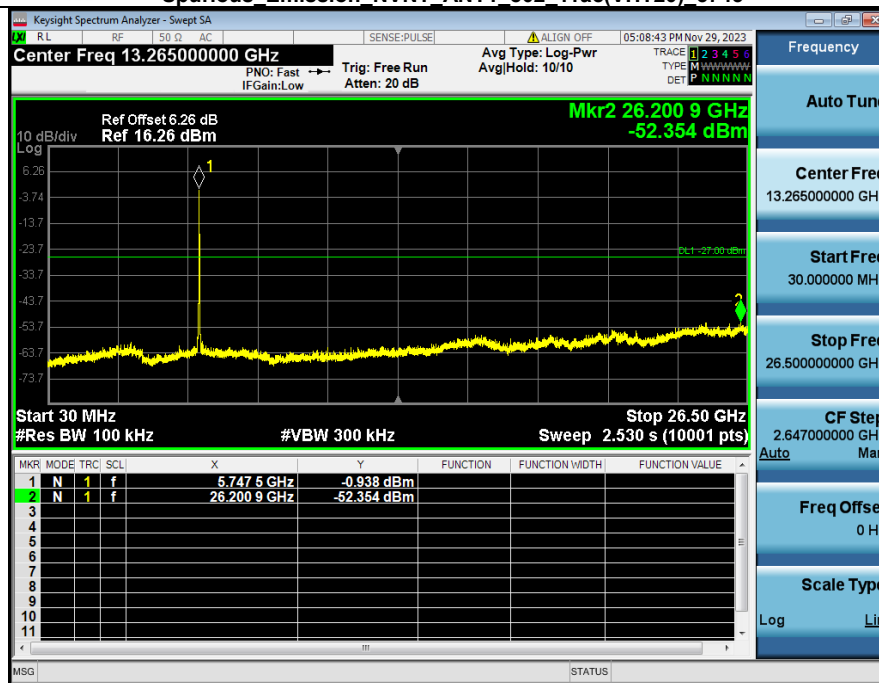
Spurious Emission_NVNT_ANT1_802_11n(HT20)_5745



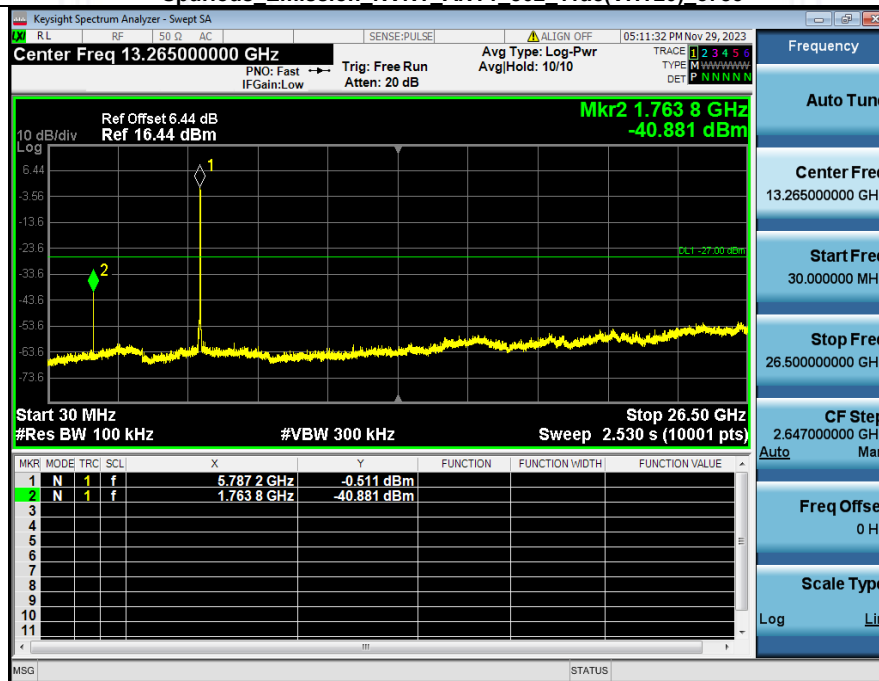


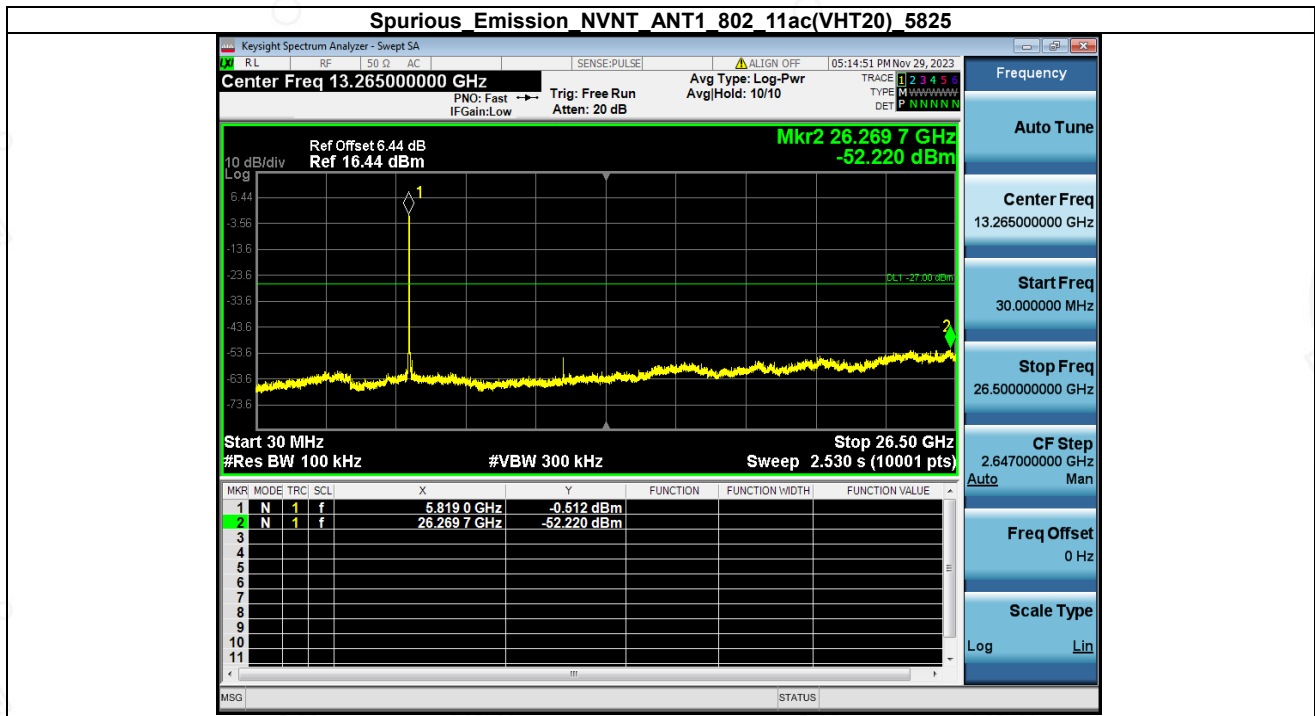


Spurious Emission NVNT_ANT1_802_11ac(VHT20) 5745



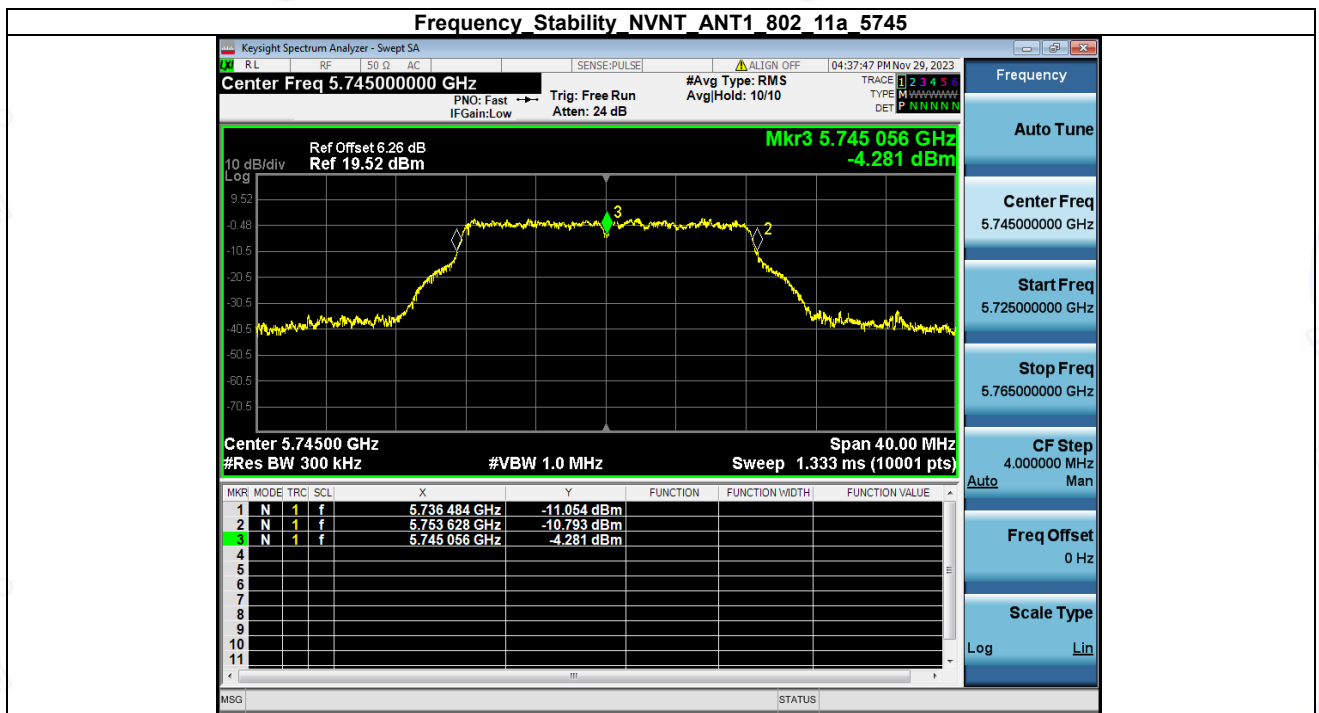
Spurious Emission NVNT_ANT1_802_11ac(VHT20) 5785





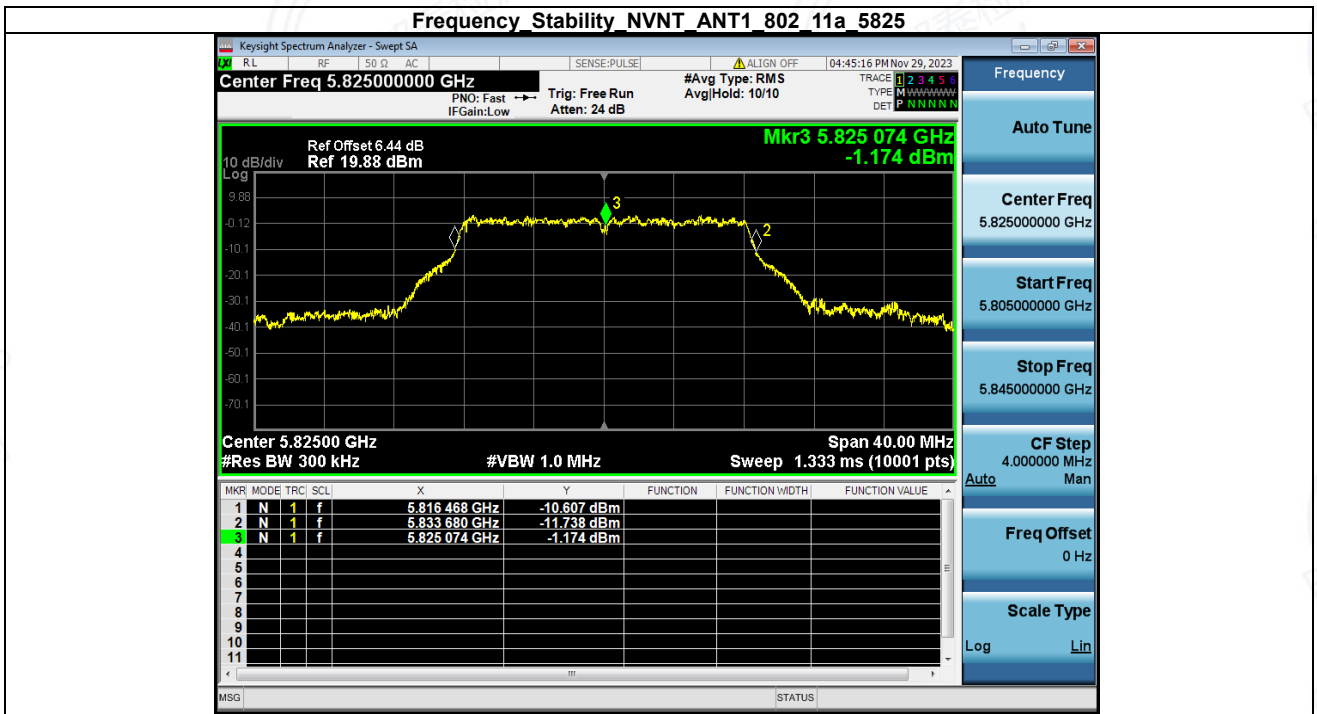
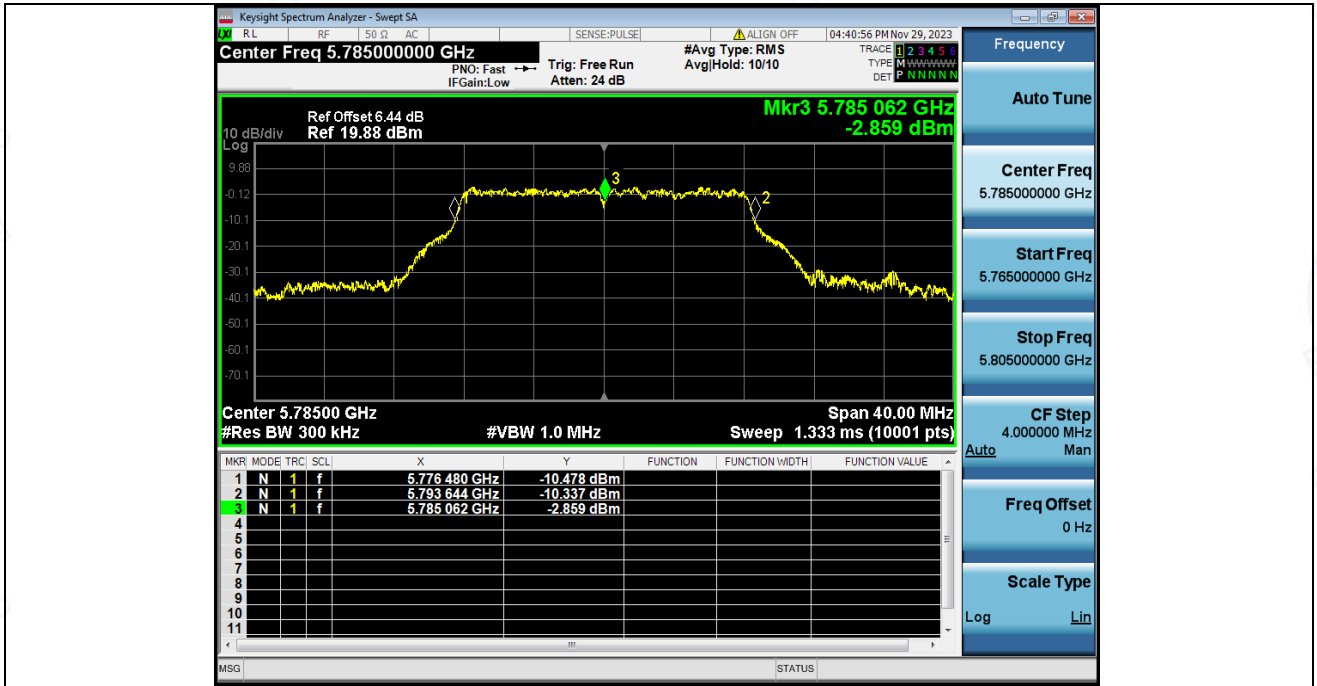
7. Frequency Stability

Condition	Antenna	Modulation	Frequency (MHz)	Fc(MHz)	FI(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5745.00	5745.056	5736.484	5753.628	5725~5850	Pass
NVNT	ANT1	802.11a	5785.00	5785.062	5776.480	5793.644	5725~5850	Pass
NVNT	ANT1	802.11a	5825.00	5825.074	5816.468	5833.680	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	5745.042	5735.884	5754.200	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	5785.064	5775.904	5794.224	5725~5850	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	5825.040	5815.868	5834.212	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	5745.022	5735.864	5754.180	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	5785.016	5775.848	5794.184	5725~5850	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	5825.000	5815.848	5834.152	5725~5850	Pass



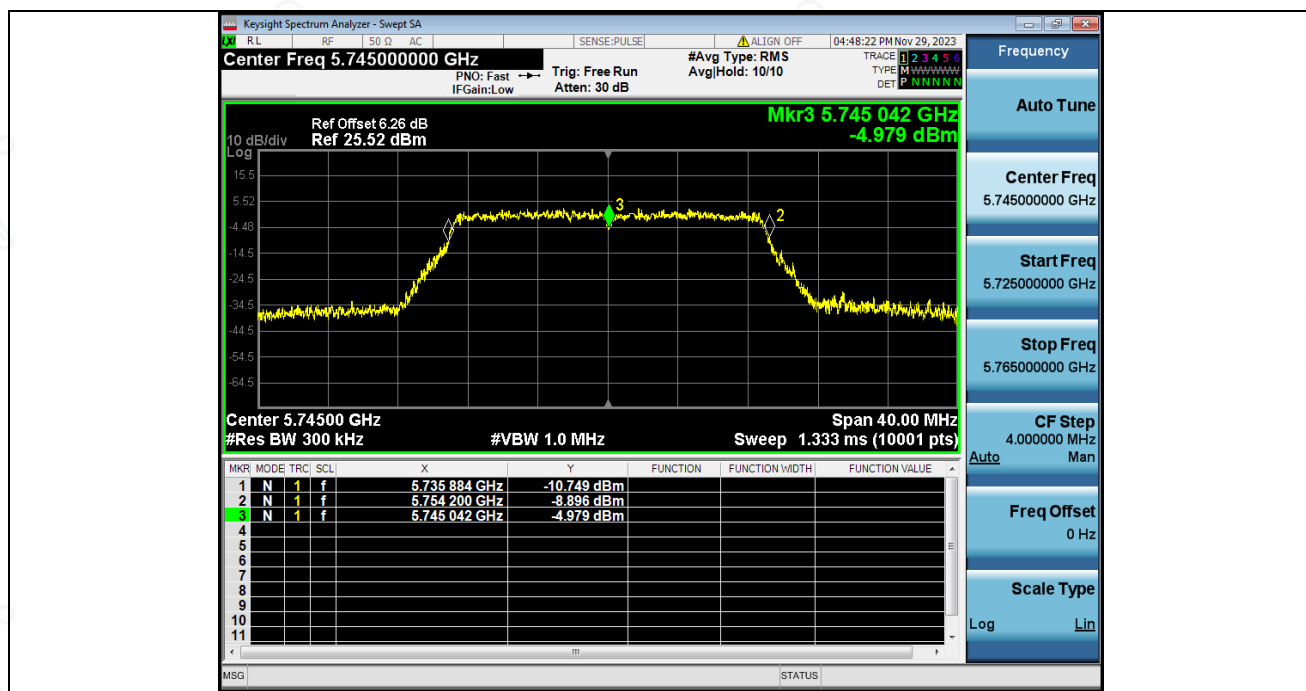
Frequency Stability NVNT ANT1 802 11a 5785

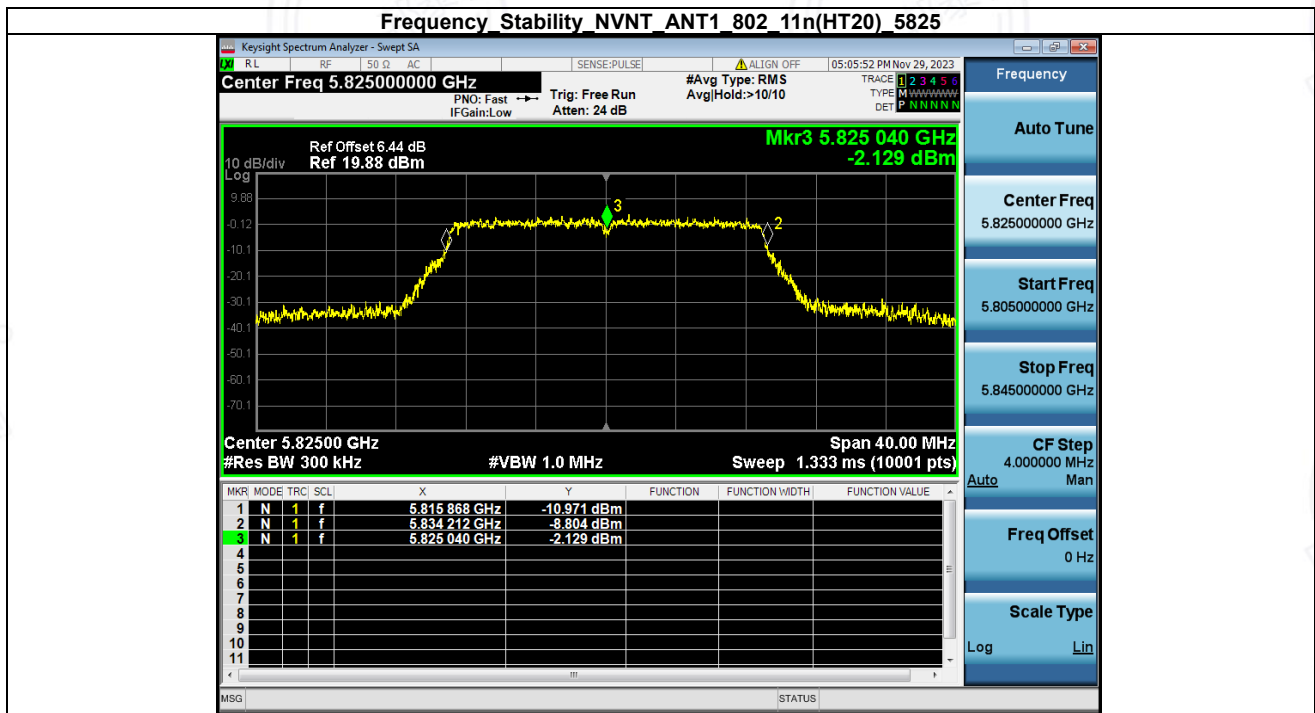
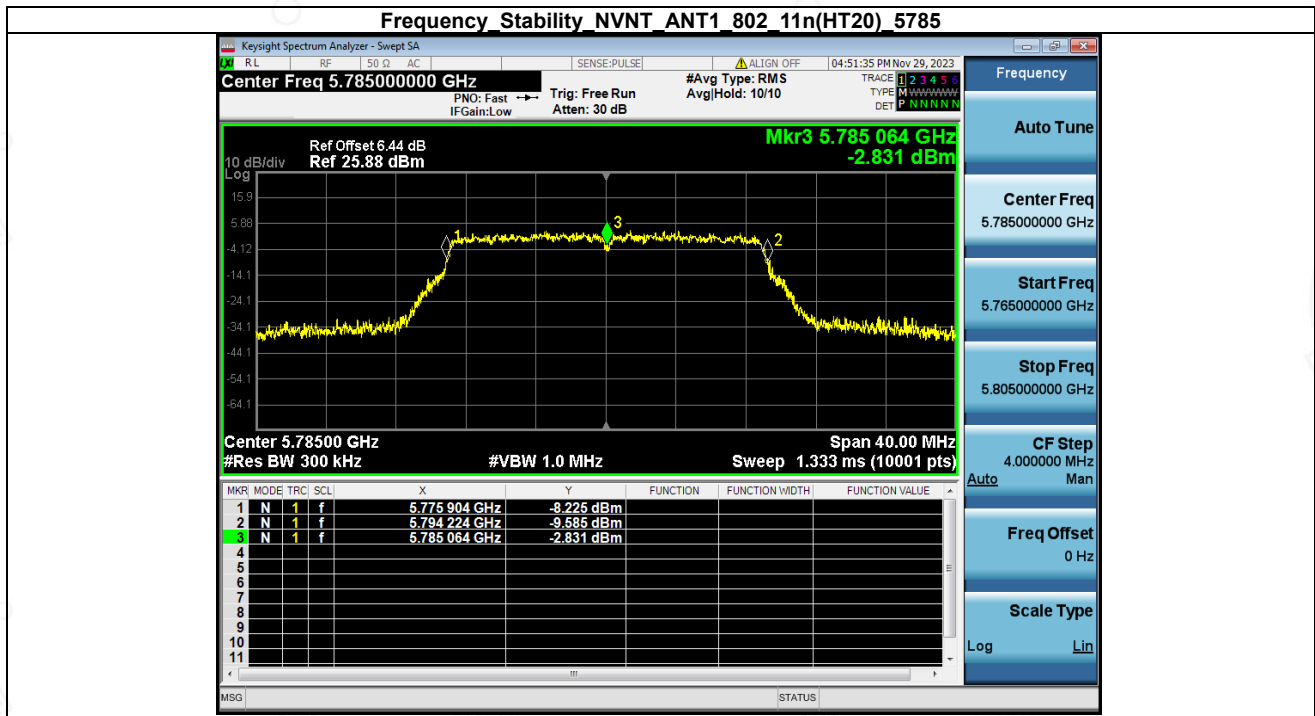




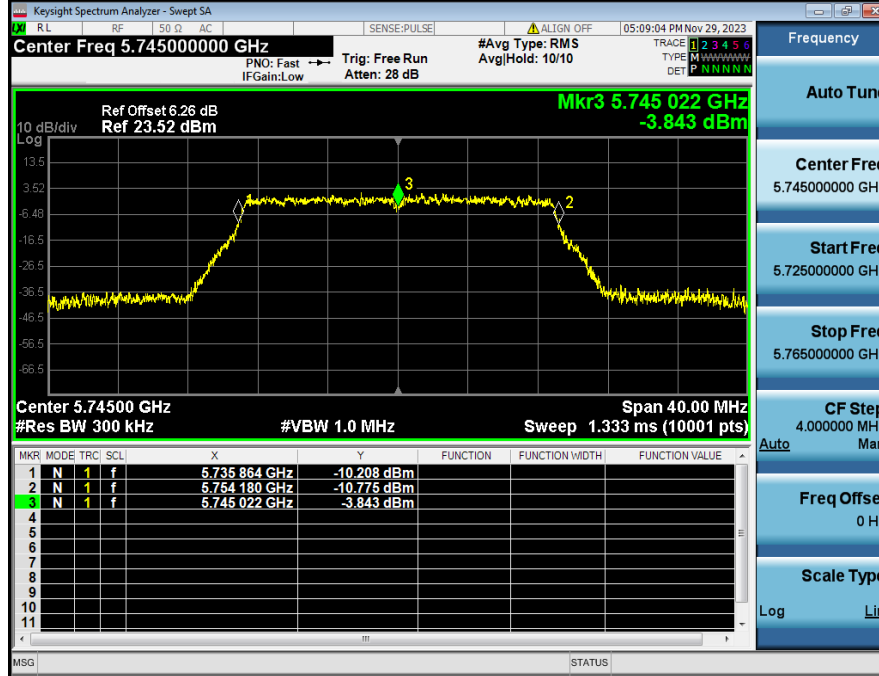
Frequency Stability NVNT ANT1 802 11n(HT20) 5745







Frequency Stability NVNT_ANT1_802_11ac(VHT20) 5745



Frequency Stability NVNT_ANT1_802_11ac(VHT20) 5785

