

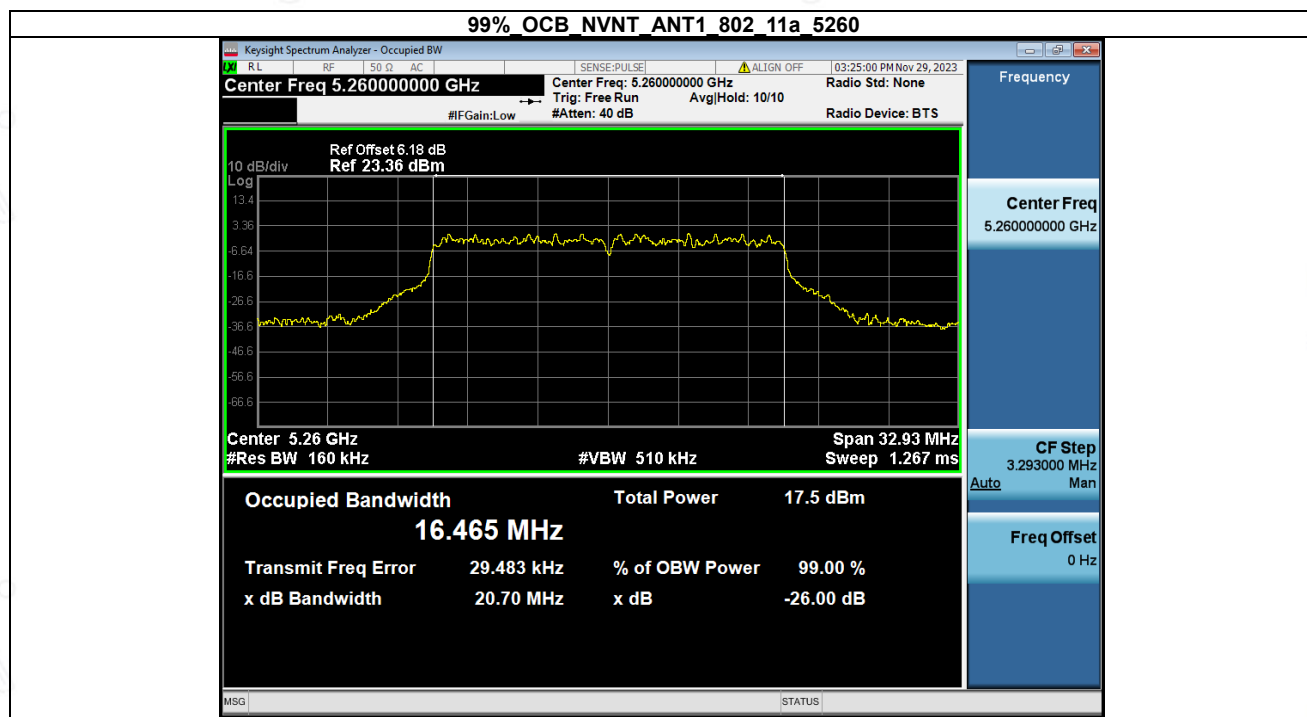
Appendix

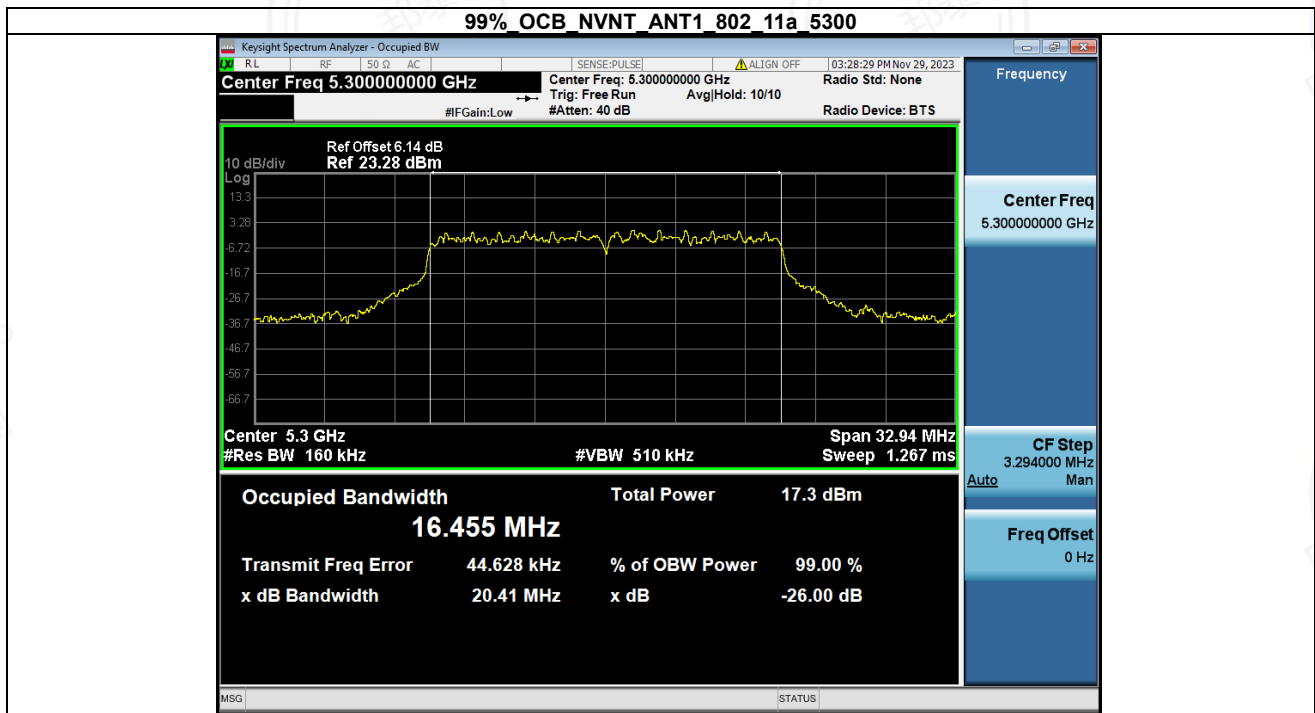
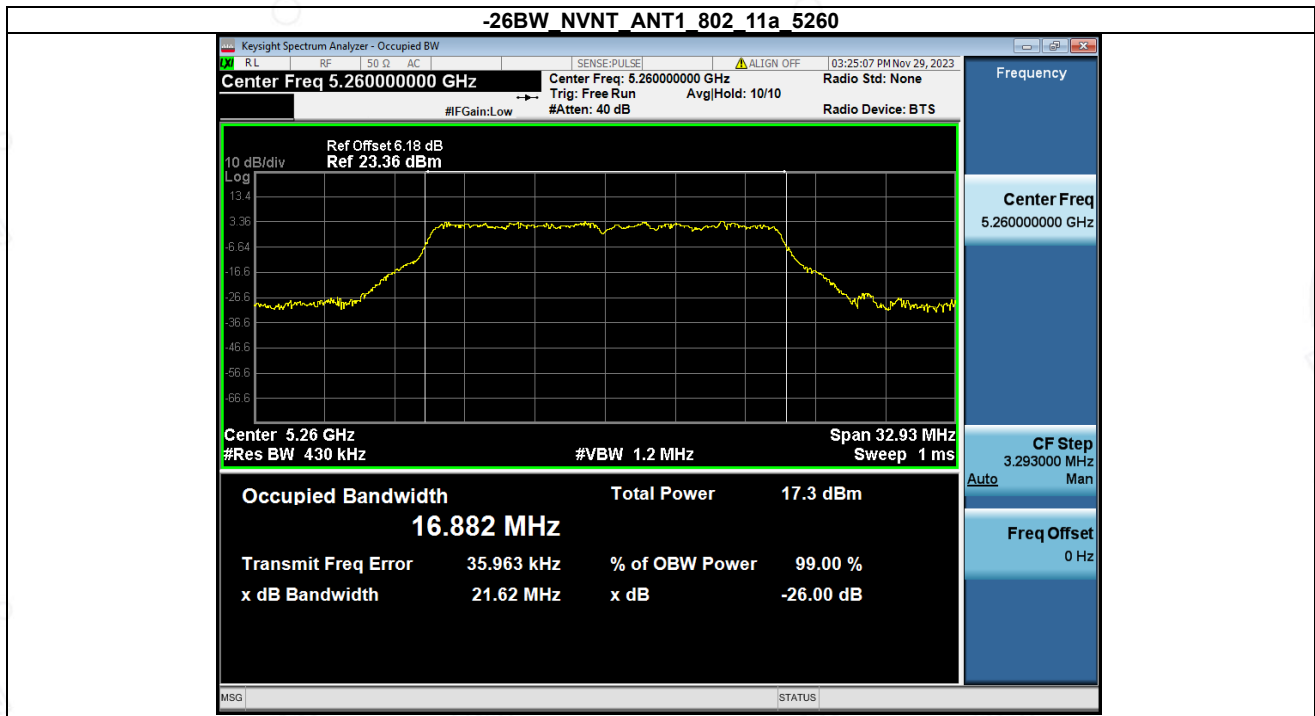
UNII-2A Wi-Fi 5G Test Data 5GWIFI

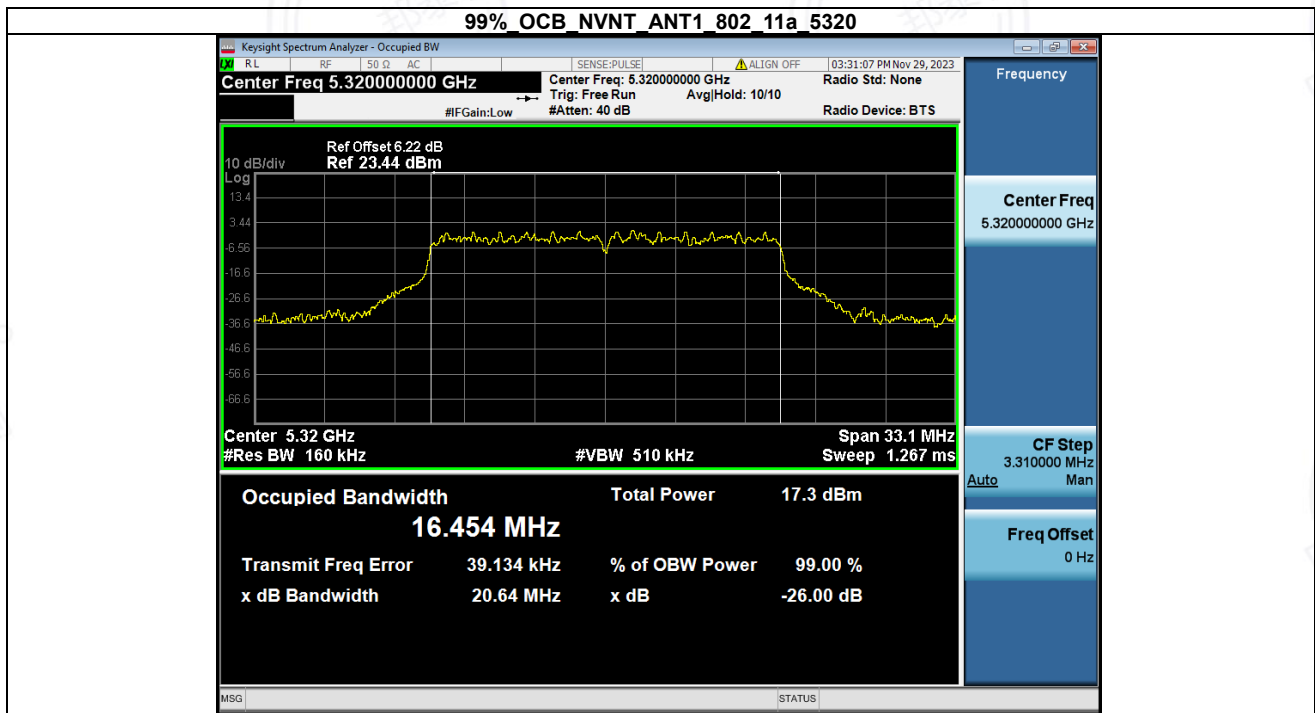
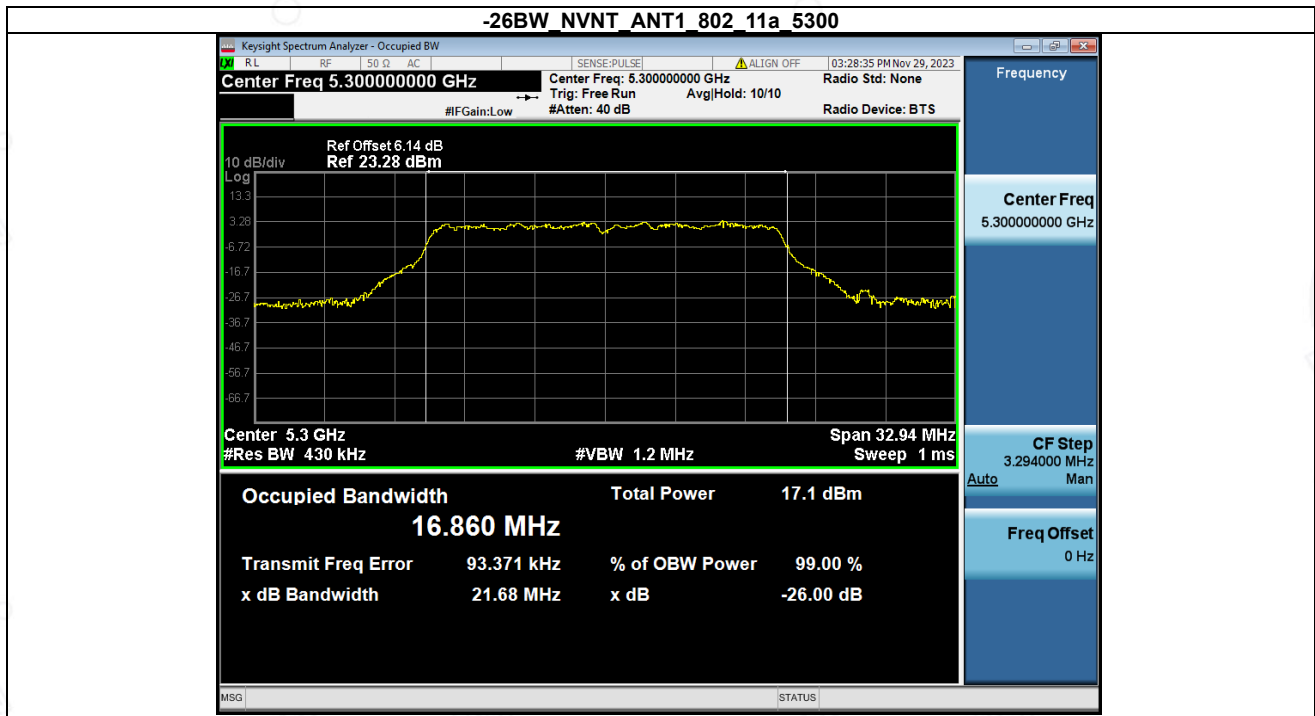


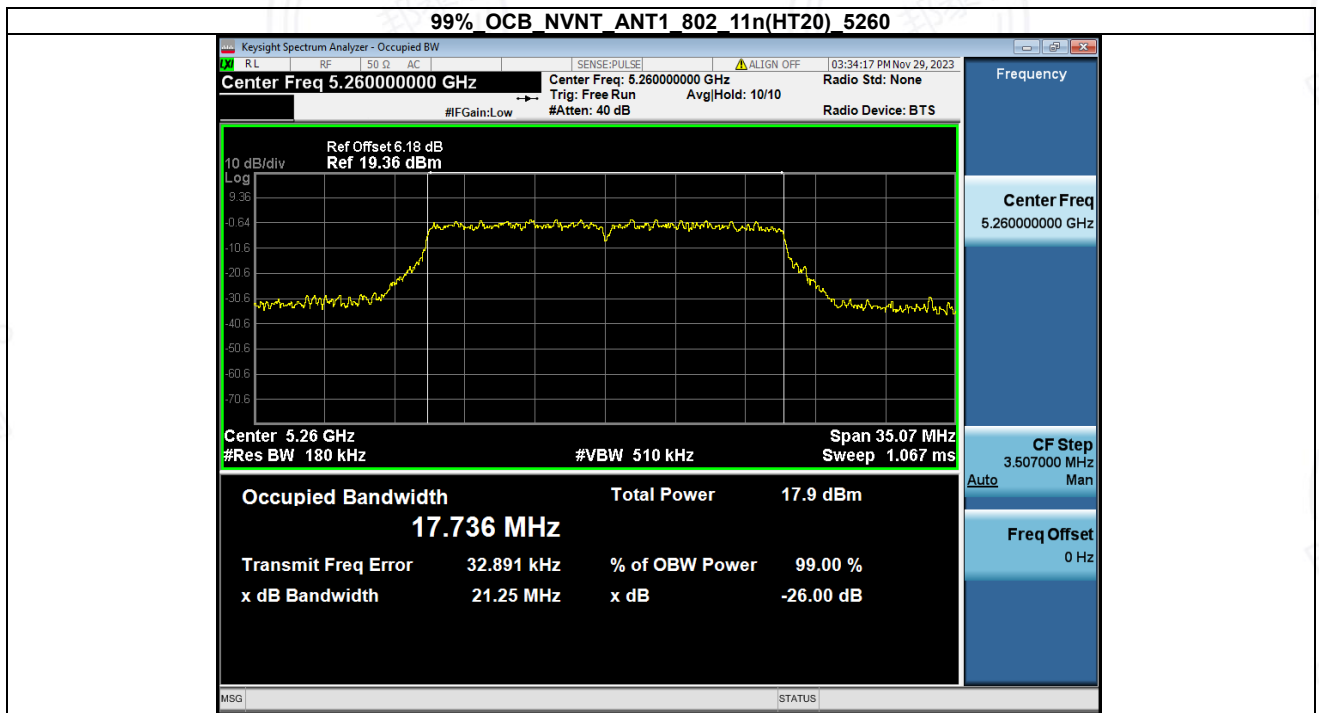
1. -26dB and 99% Emission Bandwidth

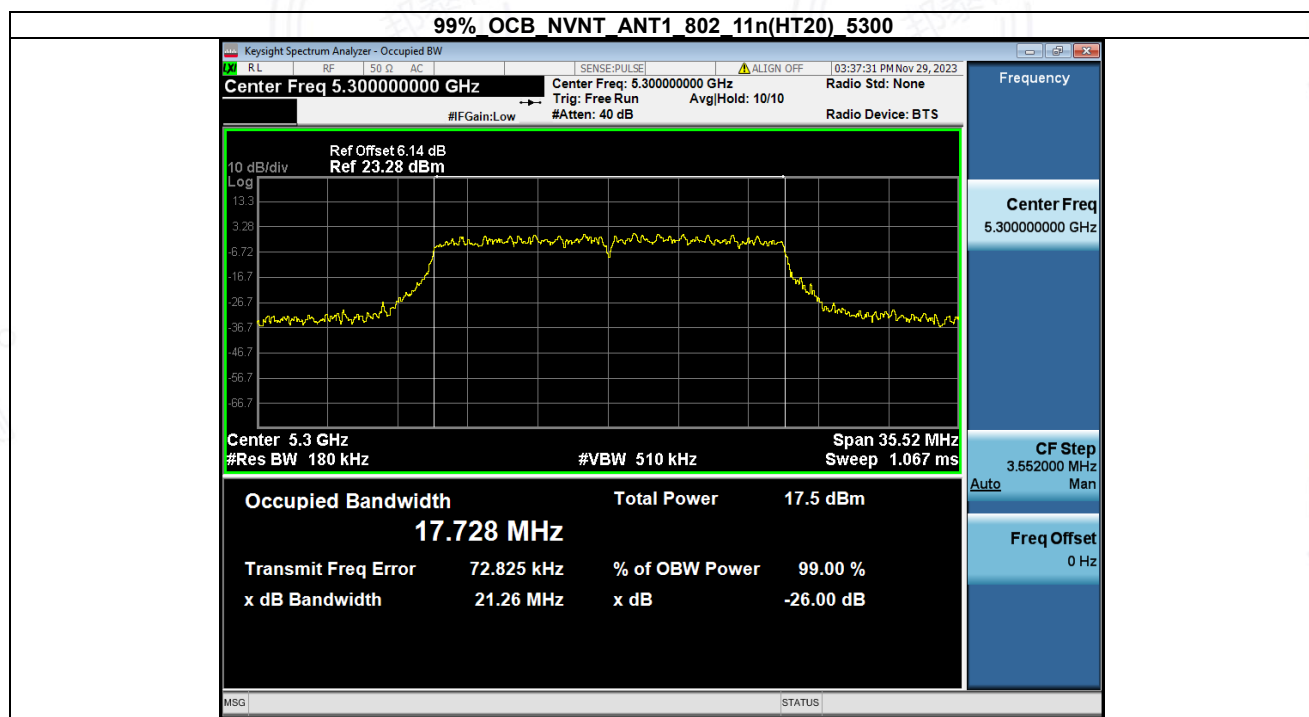
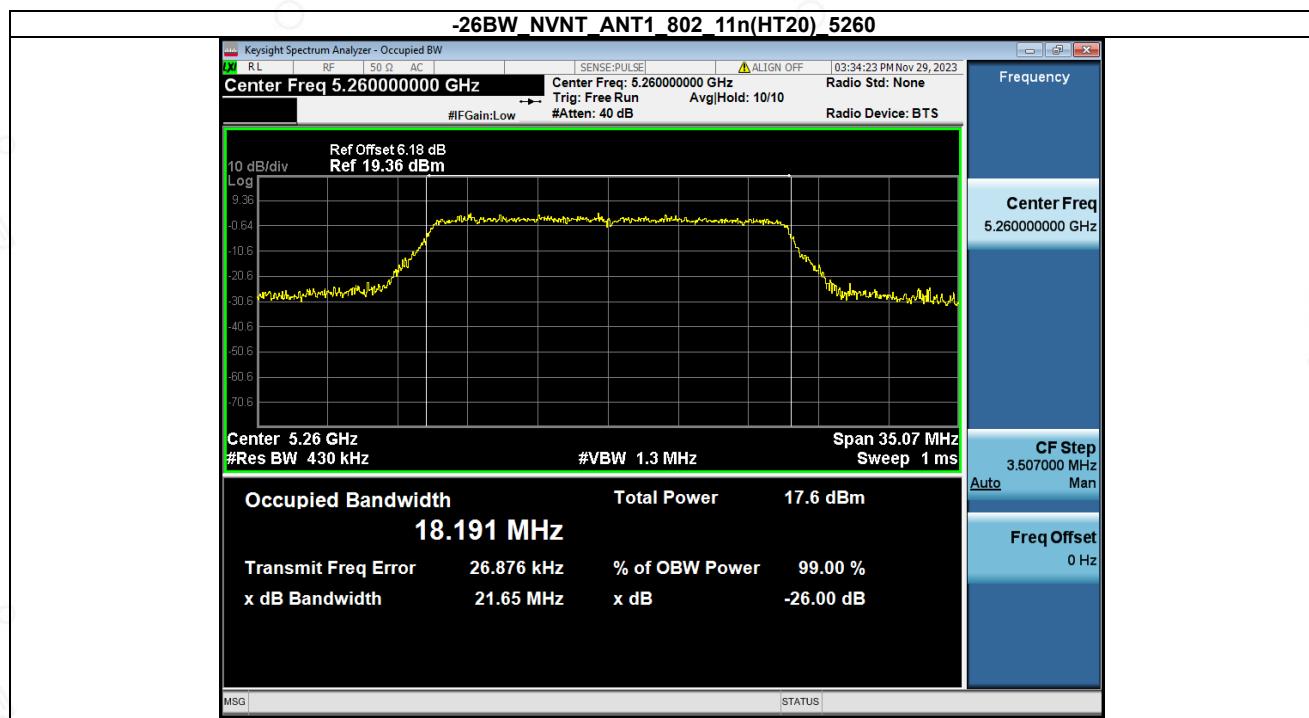
Condition	Antenna	Modulation	Frequency(MHz)	26dB Emission Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5260.00	21.62	16.47
NVNT	ANT1	802.11a	5300.00	21.68	16.45
NVNT	ANT1	802.11a	5320.00	21.59	16.45
NVNT	ANT1	802.11n(HT20)	5260.00	21.65	17.74
NVNT	ANT1	802.11n(HT20)	5300.00	21.90	17.73
NVNT	ANT1	802.11n(HT20)	5320.00	22.06	17.71
NVNT	ANT1	802.11ac(VHT20)	5260.00	21.55	17.72
NVNT	ANT1	802.11ac(VHT20)	5300.00	21.80	17.74
NVNT	ANT1	802.11ac(VHT20)	5320.00	21.54	17.74

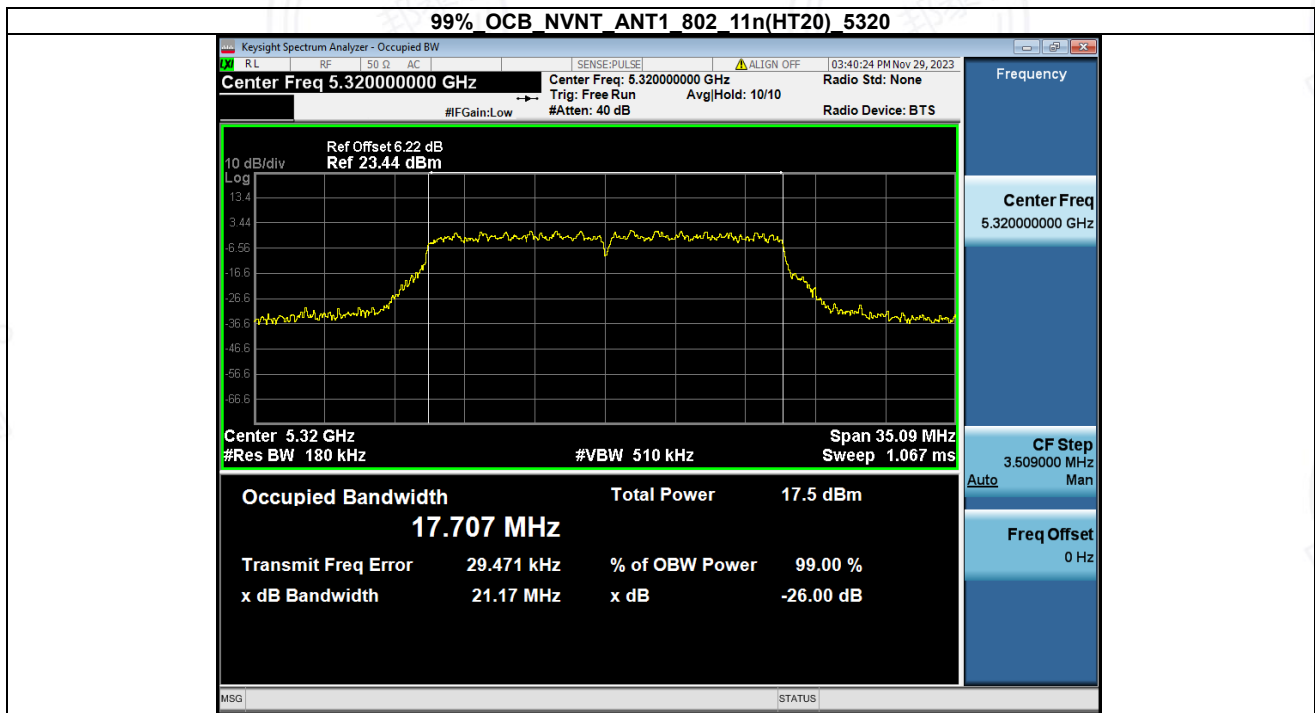
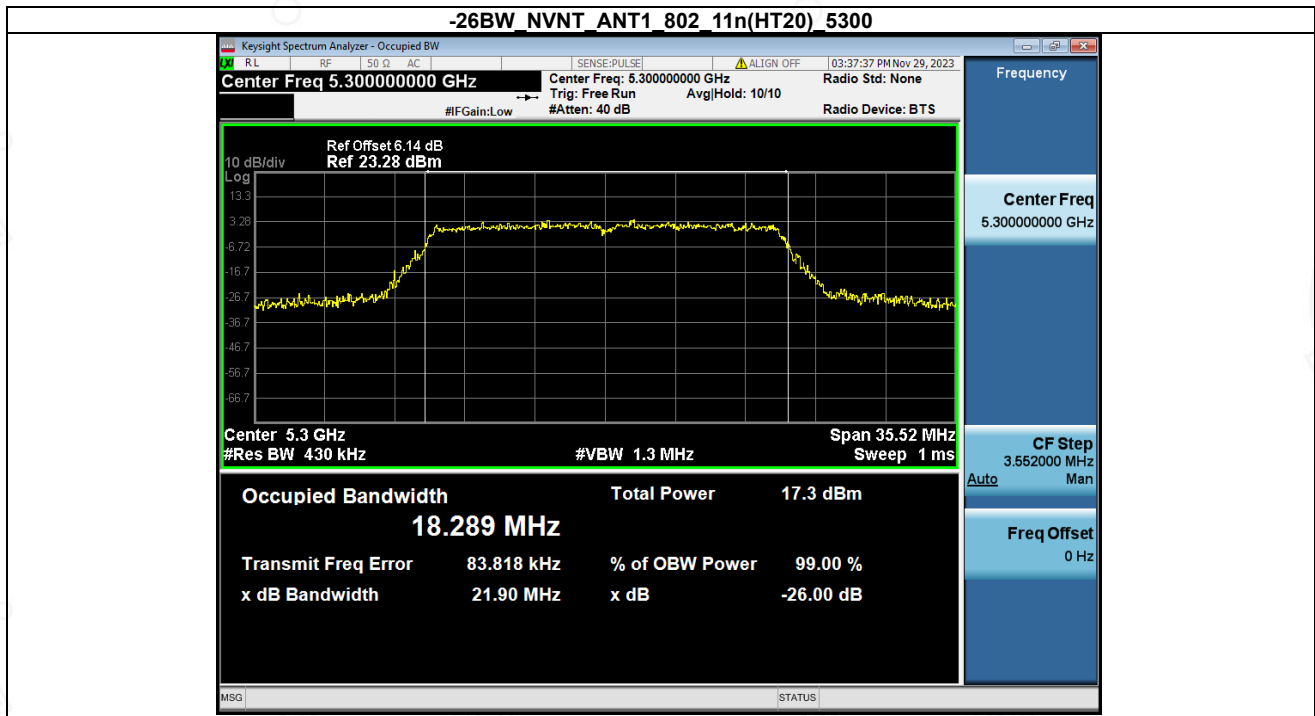


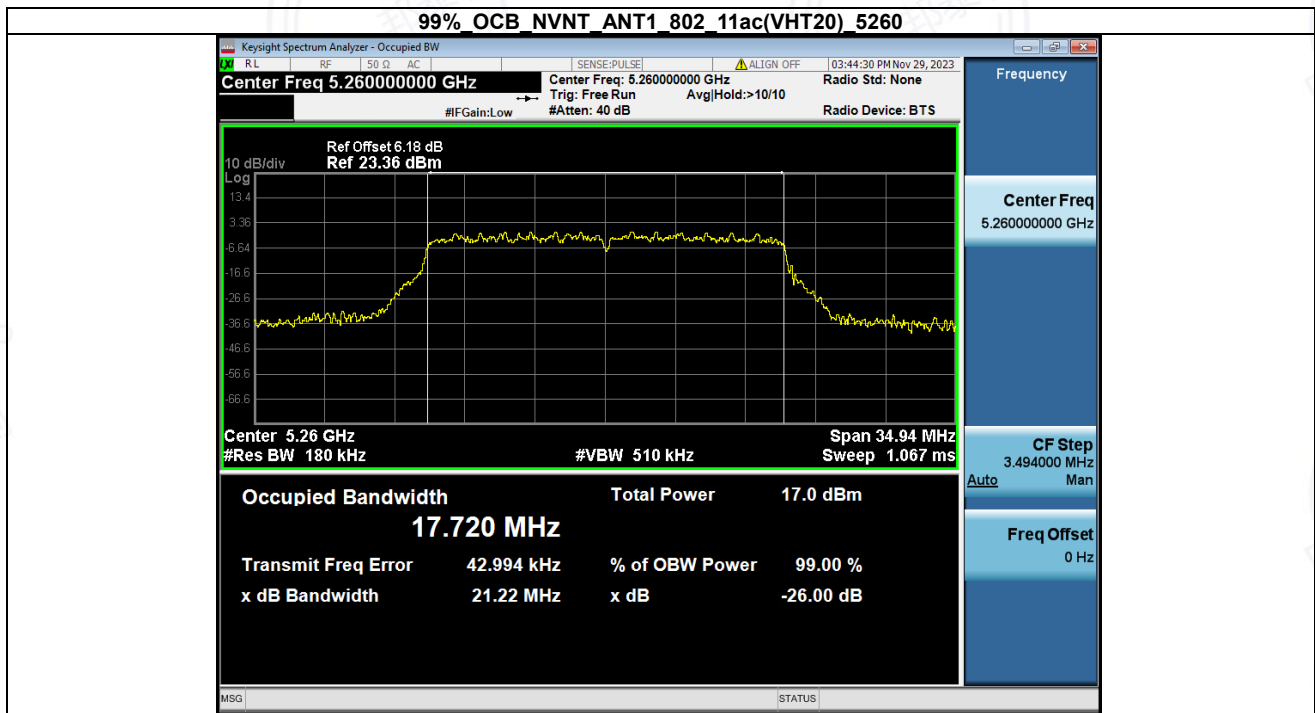
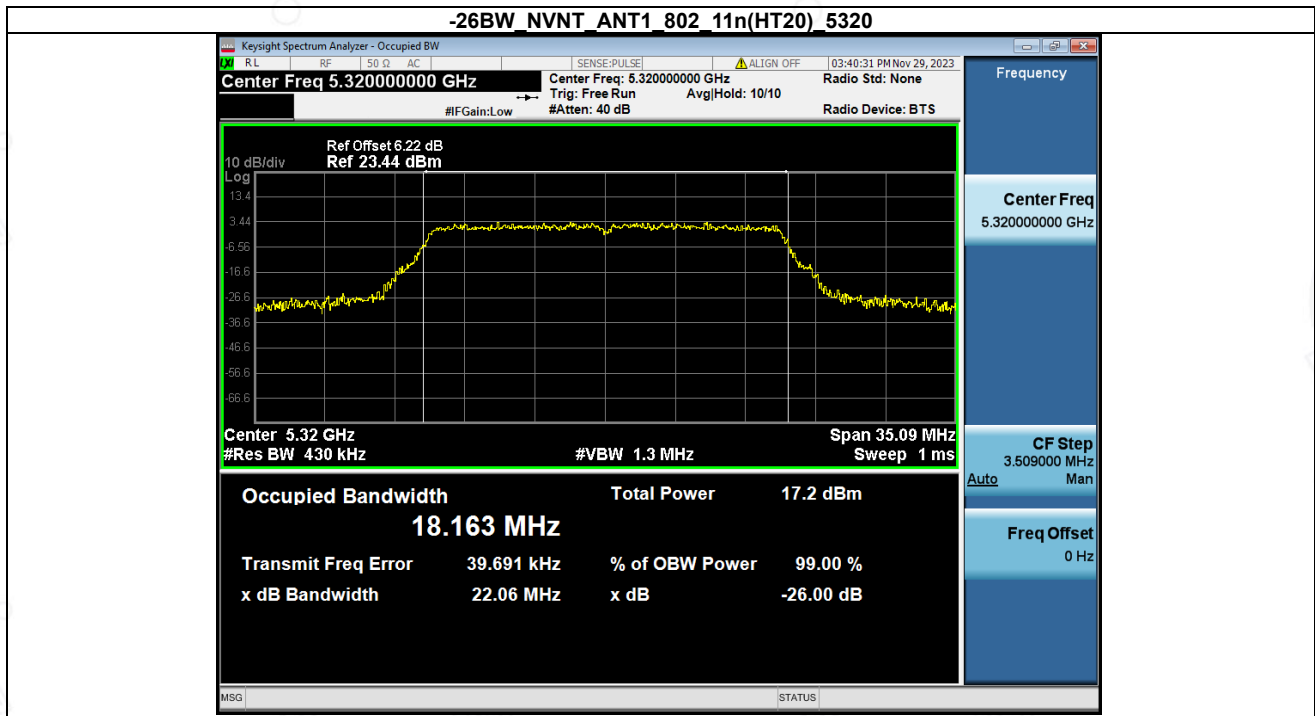


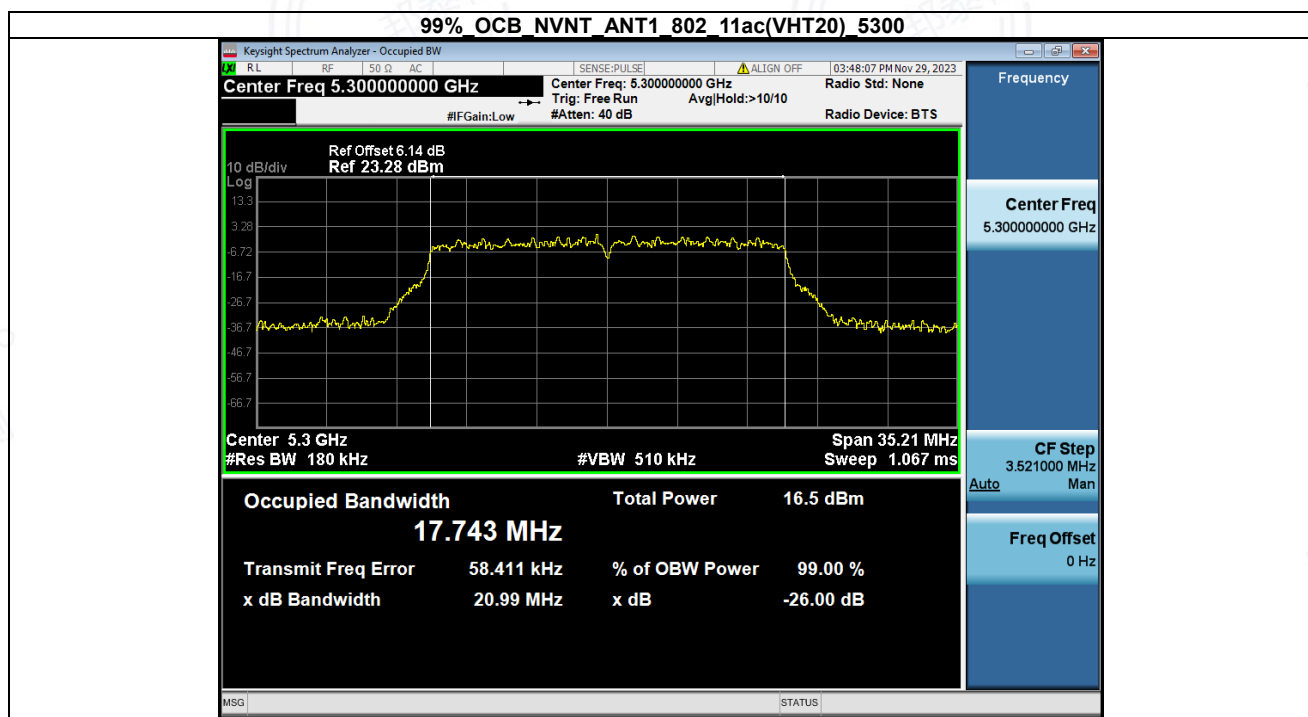
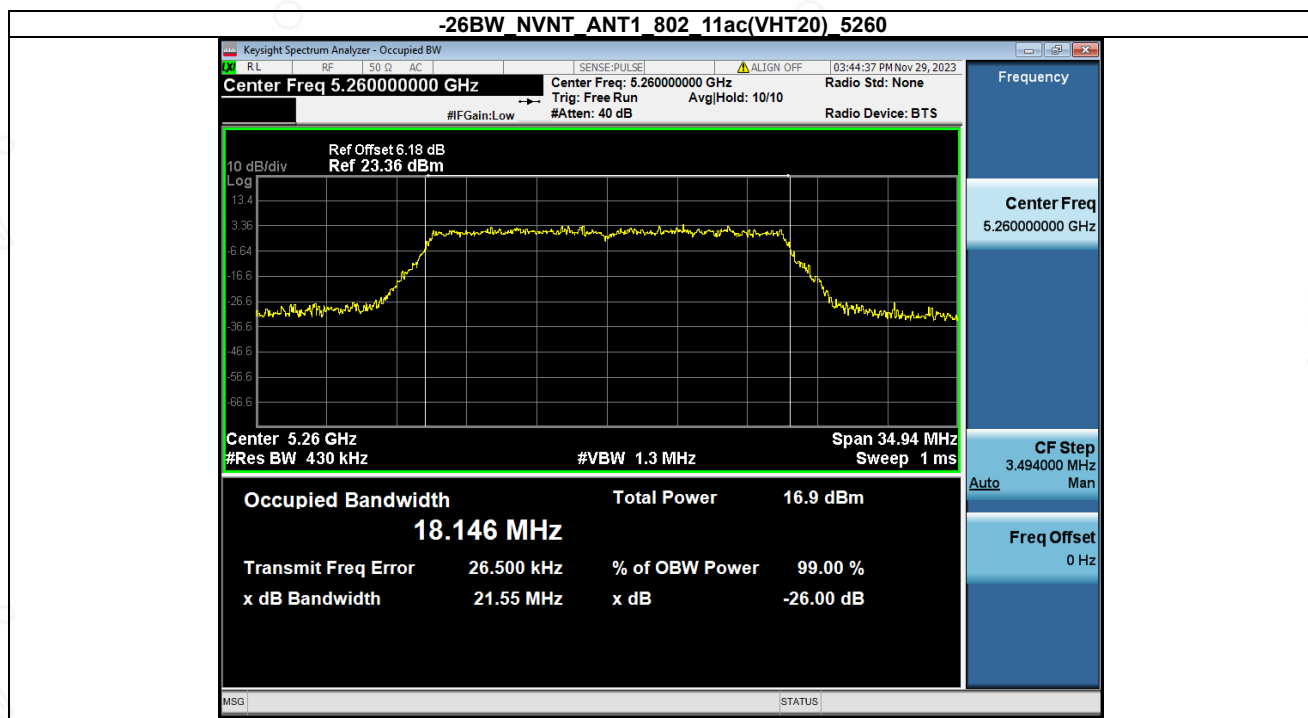


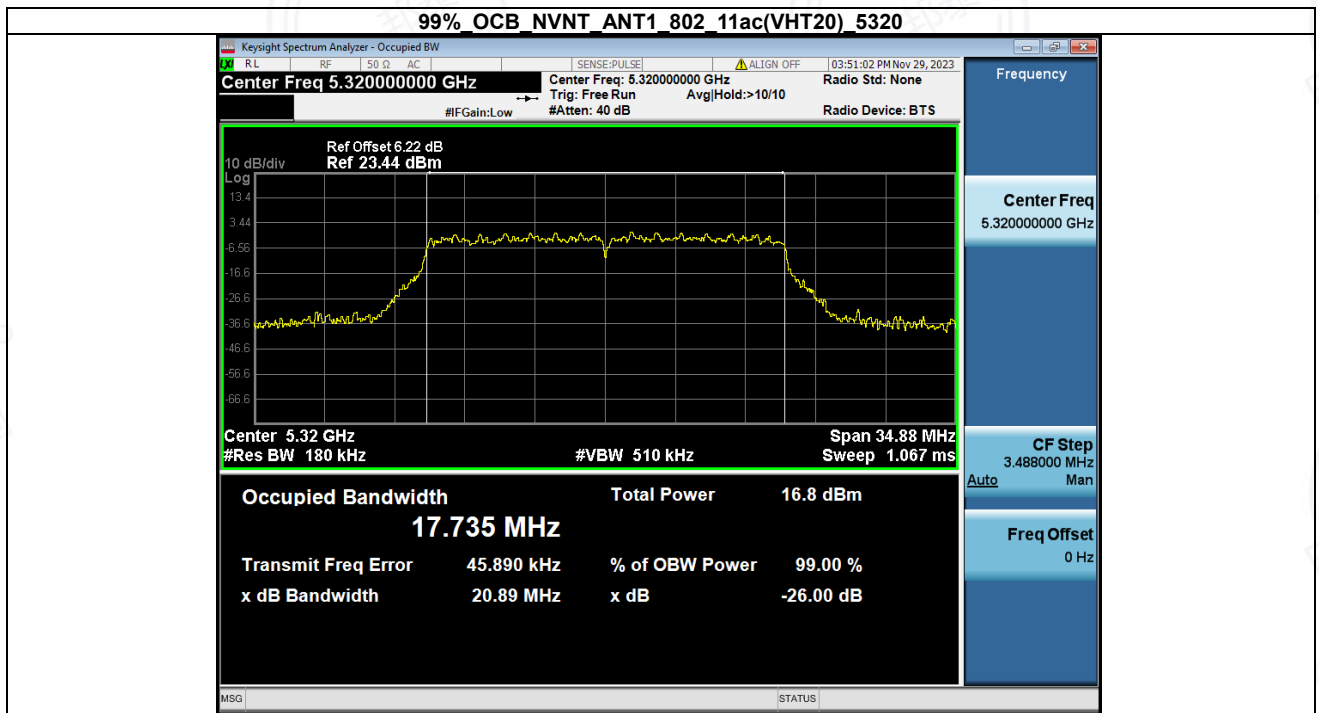
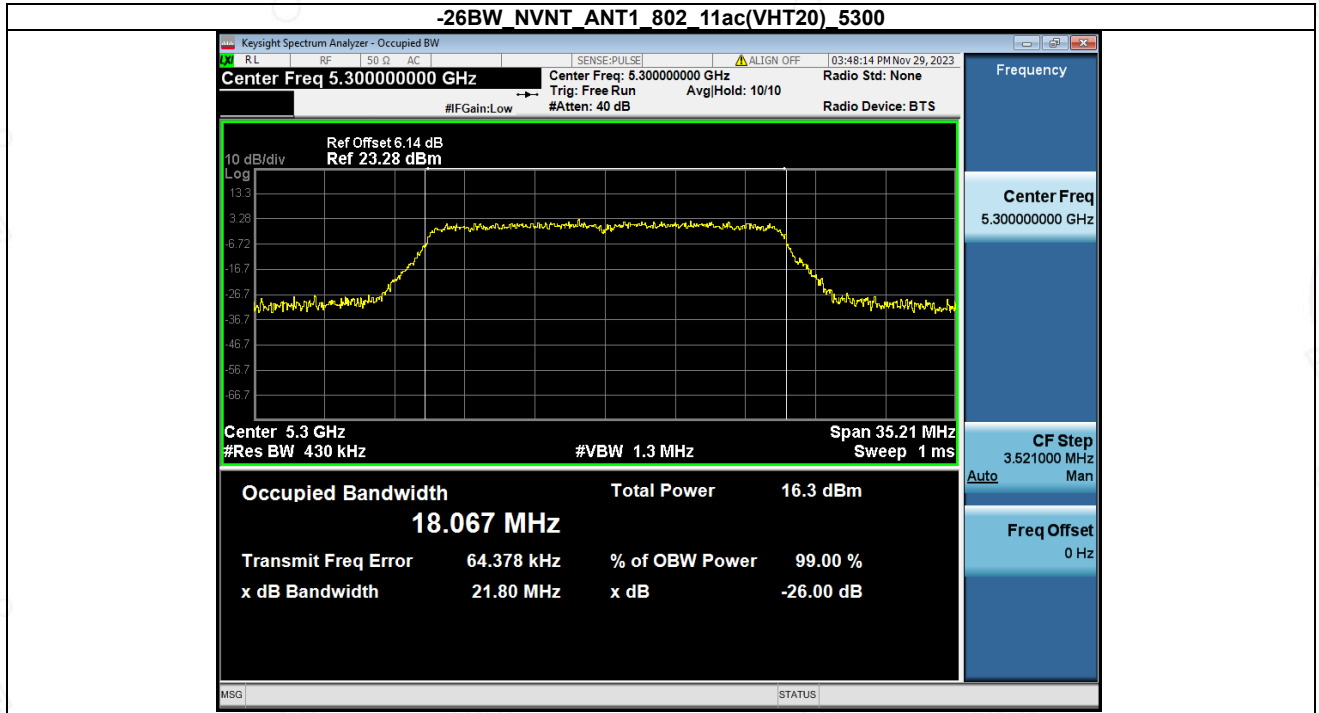


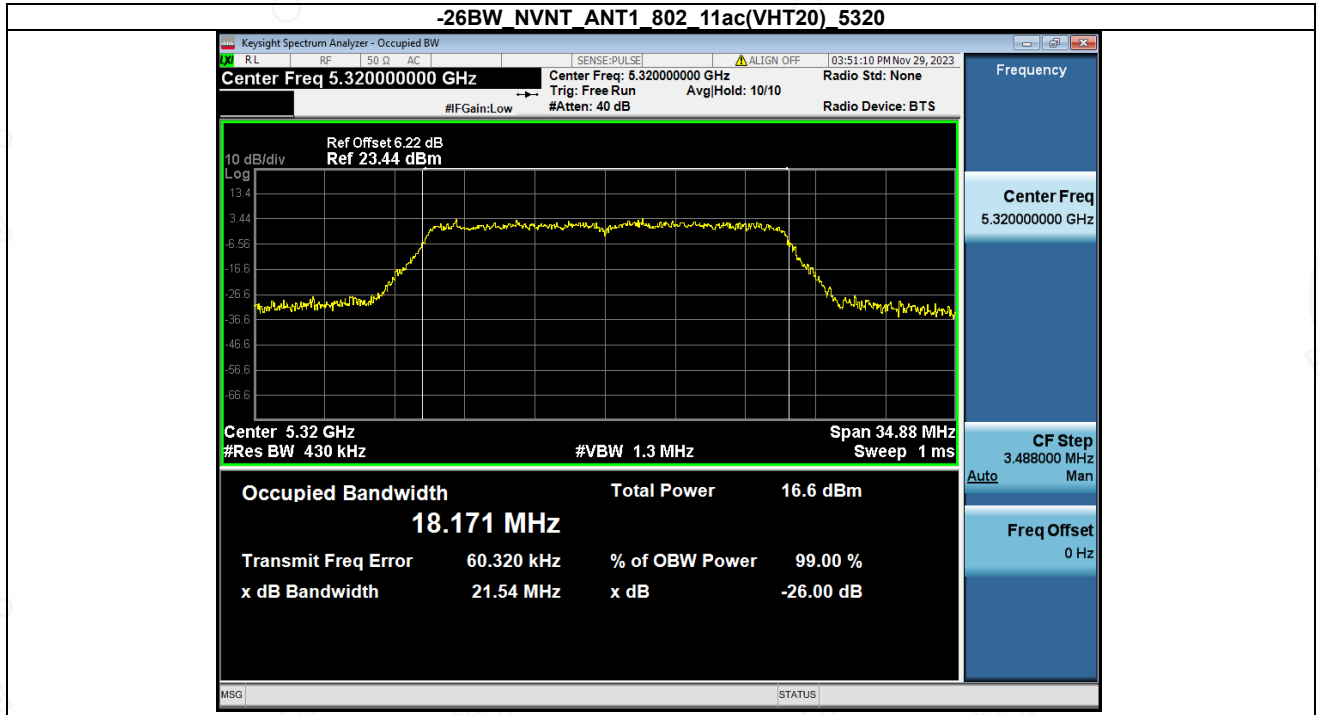






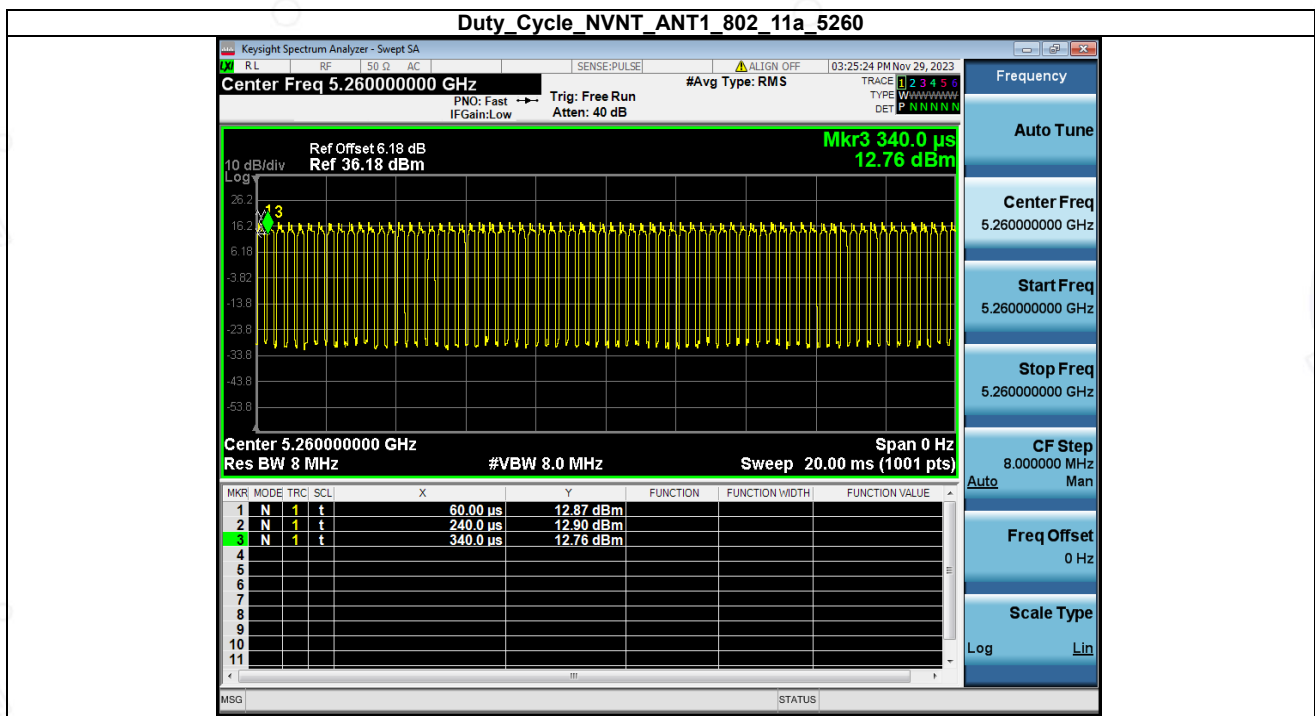


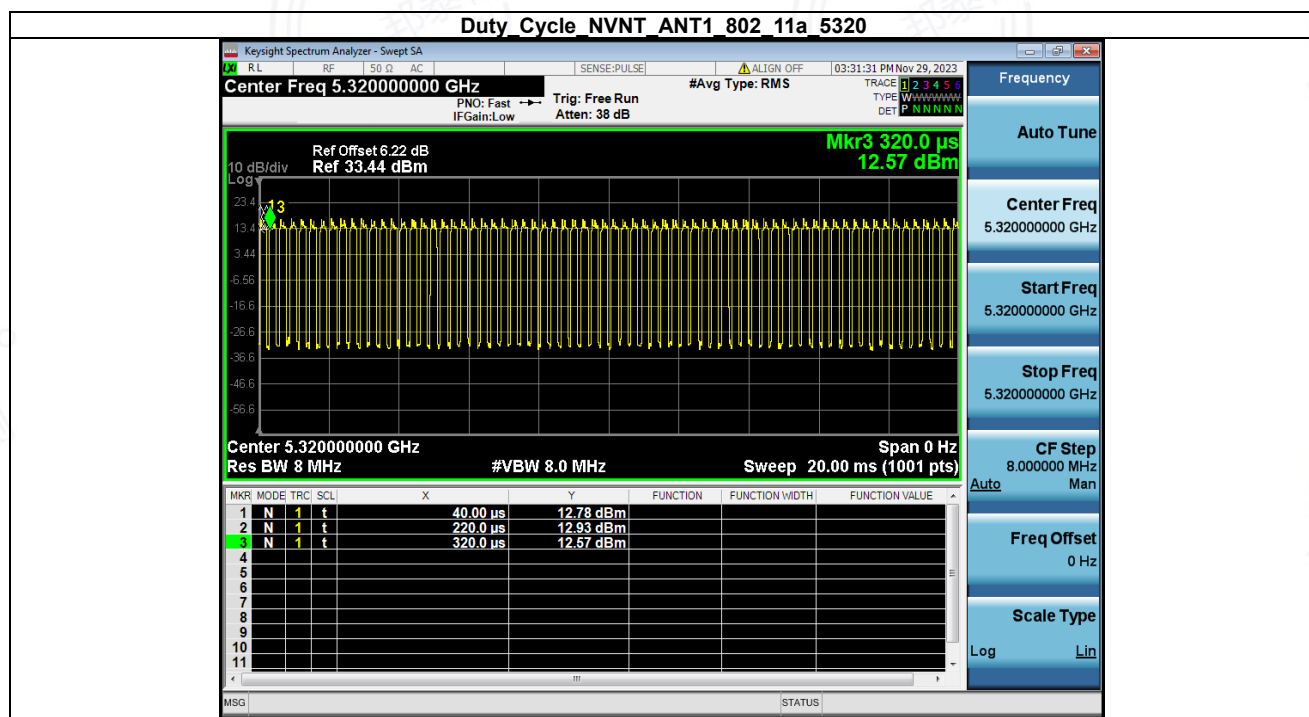
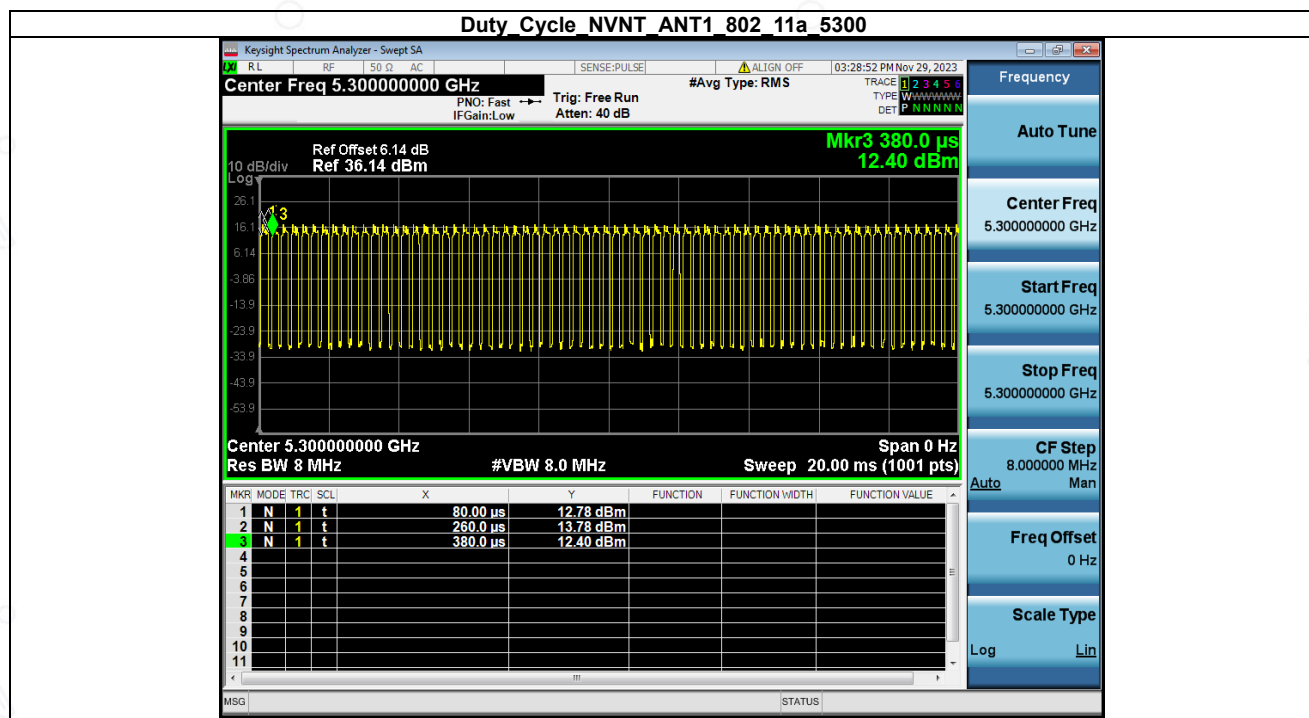


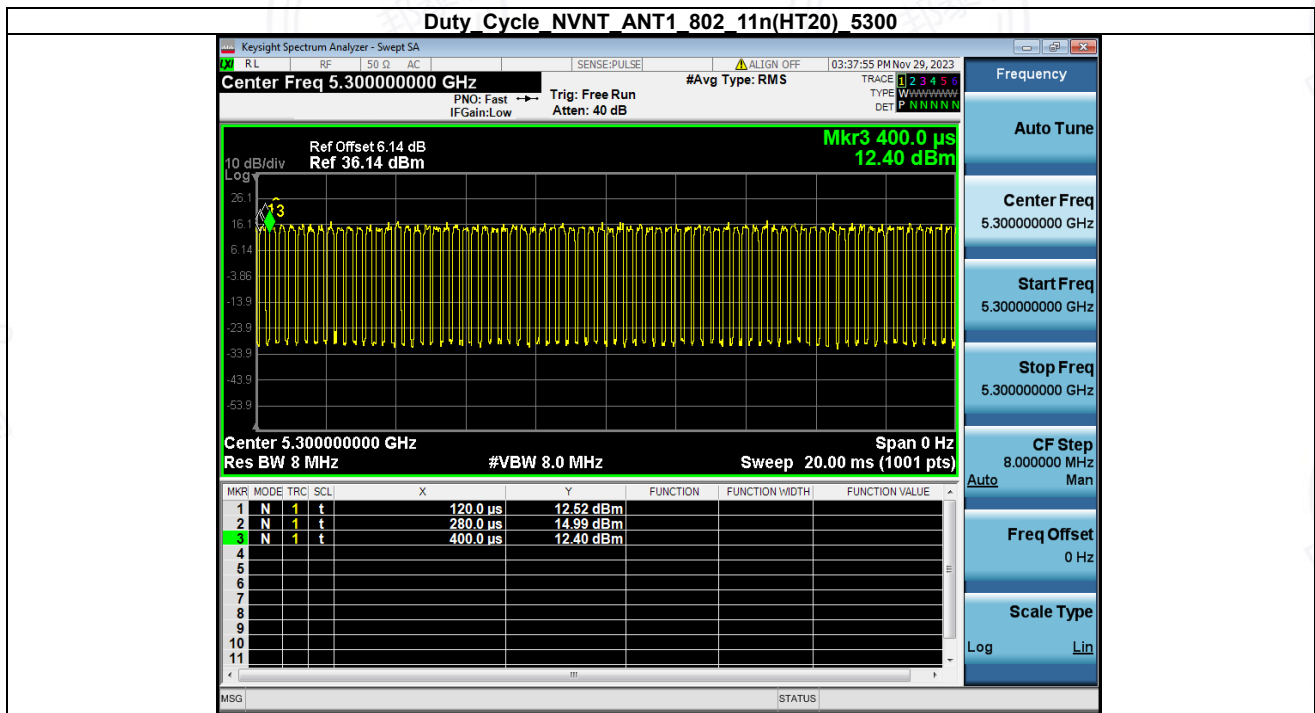
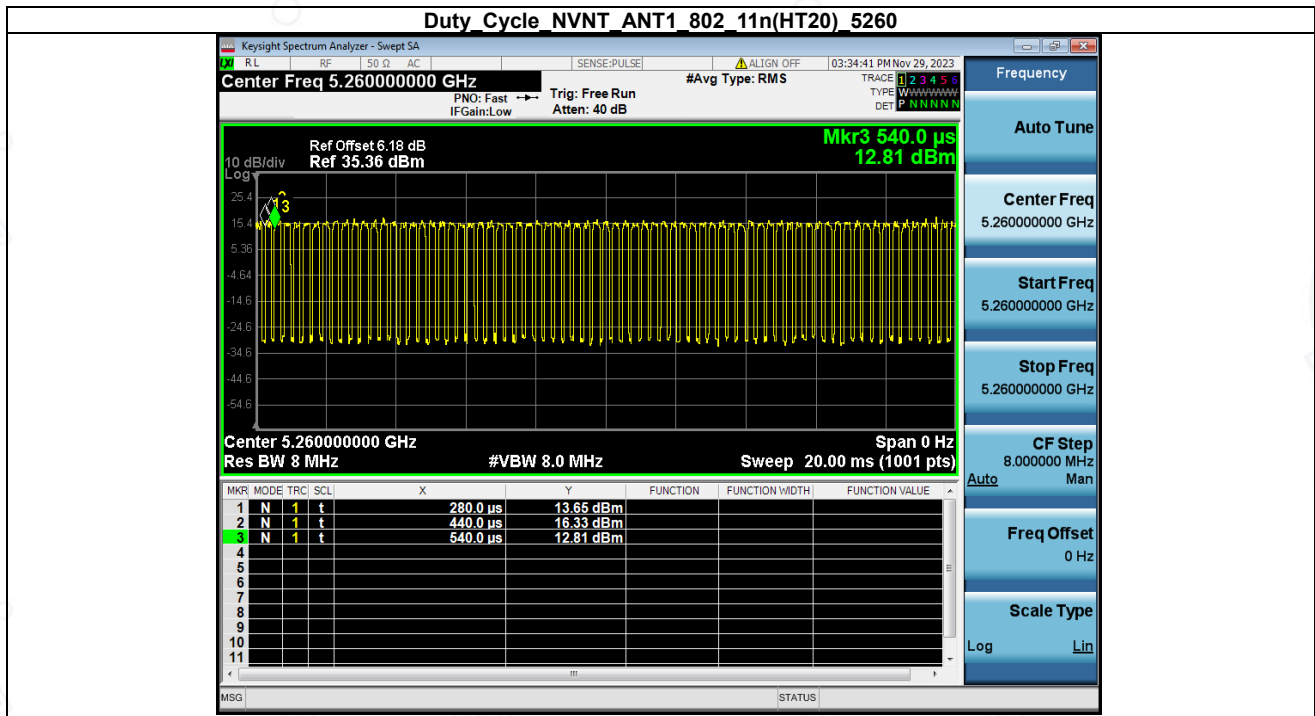


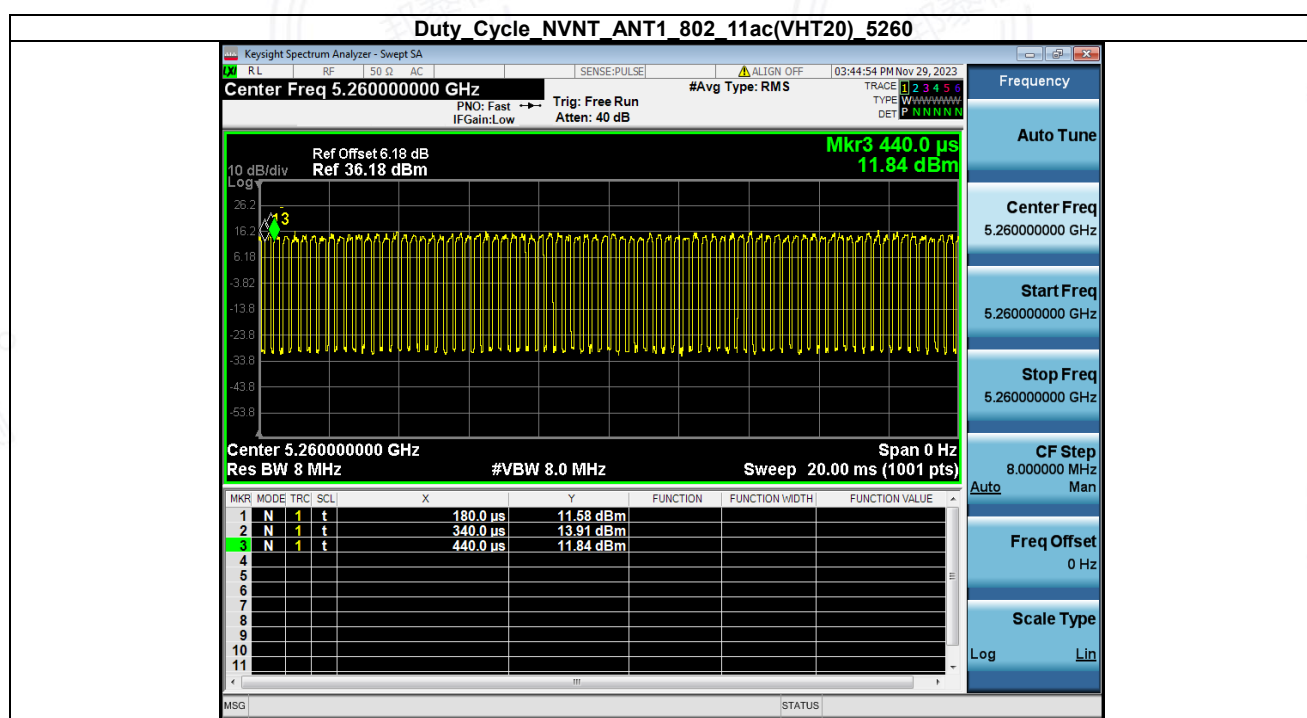
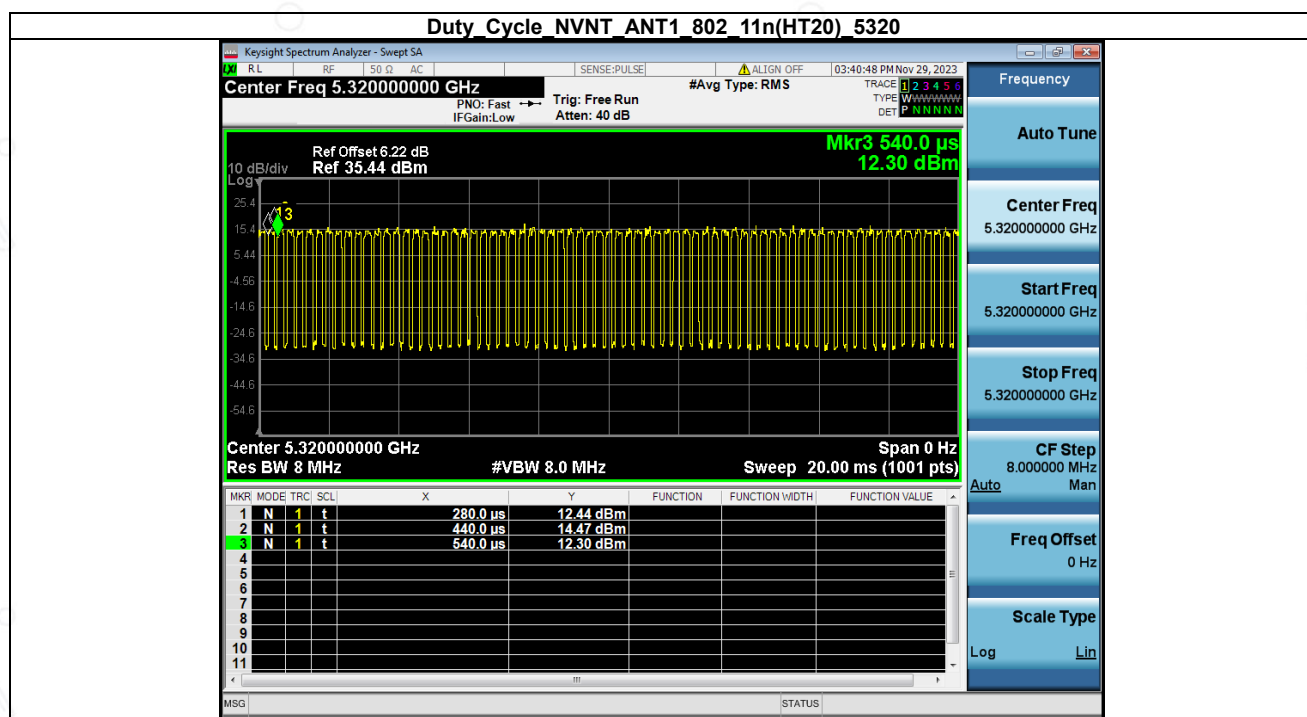
2. Duty Cycle

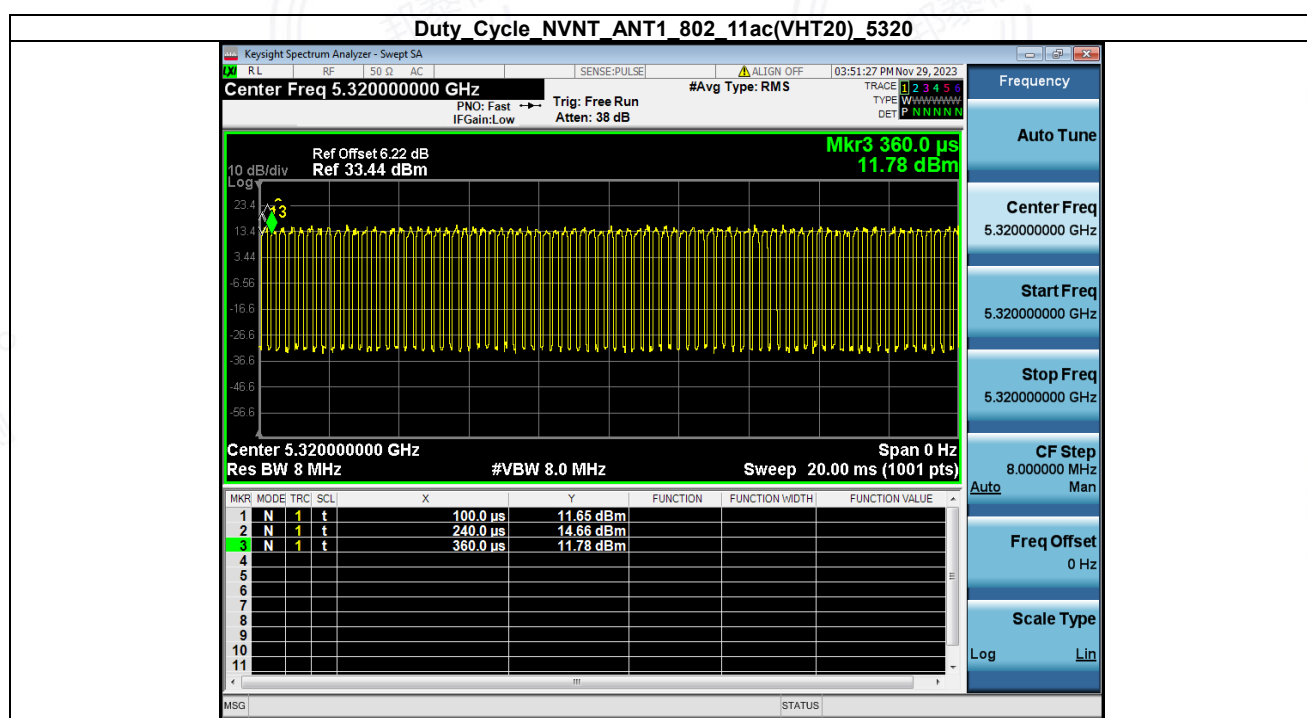
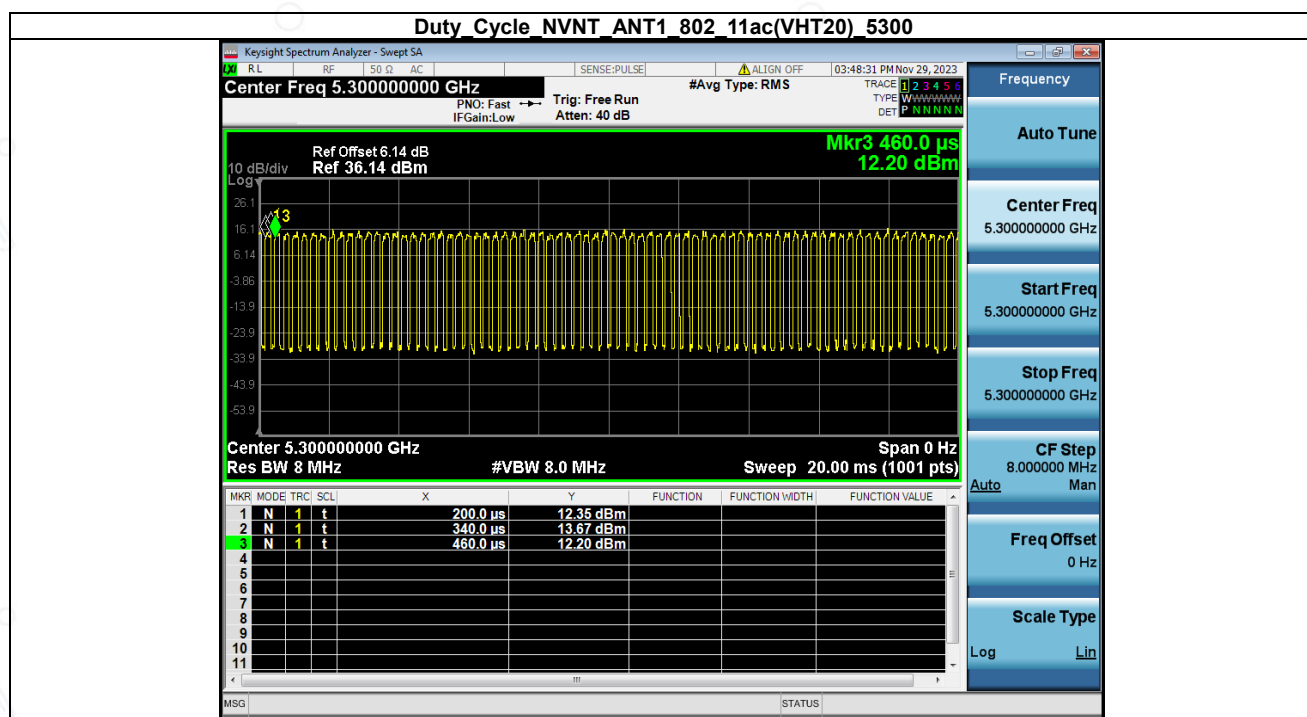
Condition	Antenna	Modulation	Frequency(MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5260.00	64.29	1.92
NVNT	ANT1	802.11a	5300.00	60.00	2.22
NVNT	ANT1	802.11a	5320.00	64.29	1.92
NVNT	ANT1	802.11n(HT20)	5260.00	61.54	2.11
NVNT	ANT1	802.11n(HT20)	5300.00	57.14	2.43
NVNT	ANT1	802.11n(HT20)	5320.00	61.54	2.11
NVNT	ANT1	802.11ac(VHT20)	5260.00	61.54	2.11
NVNT	ANT1	802.11ac(VHT20)	5300.00	53.85	2.69
NVNT	ANT1	802.11ac(VHT20)	5320.00	53.85	2.69











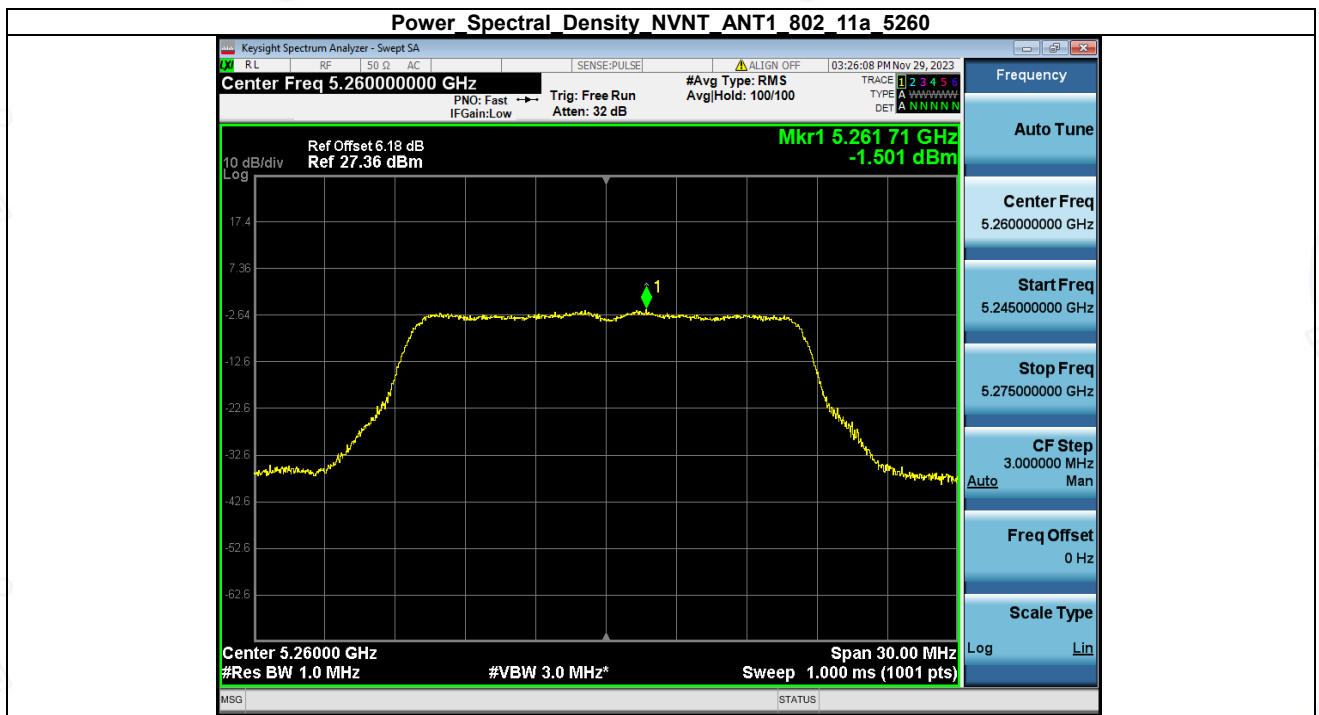
3. Maximum Conducted Output Power

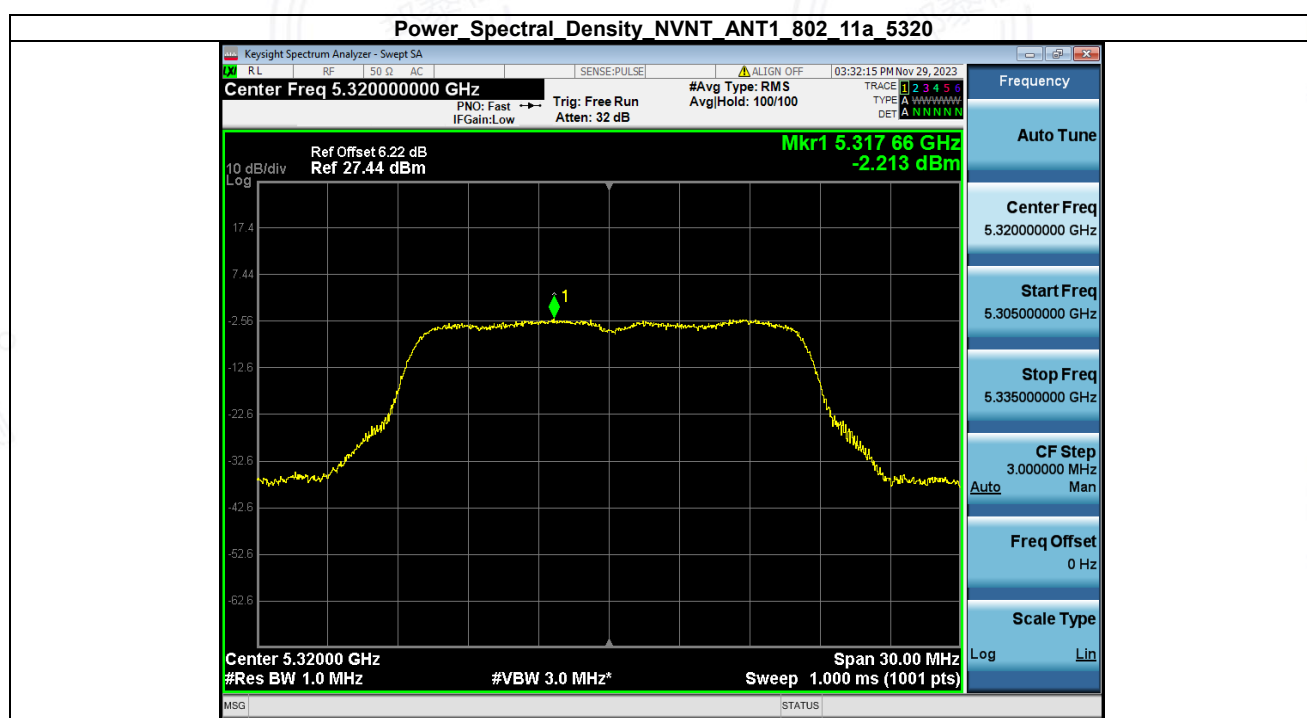
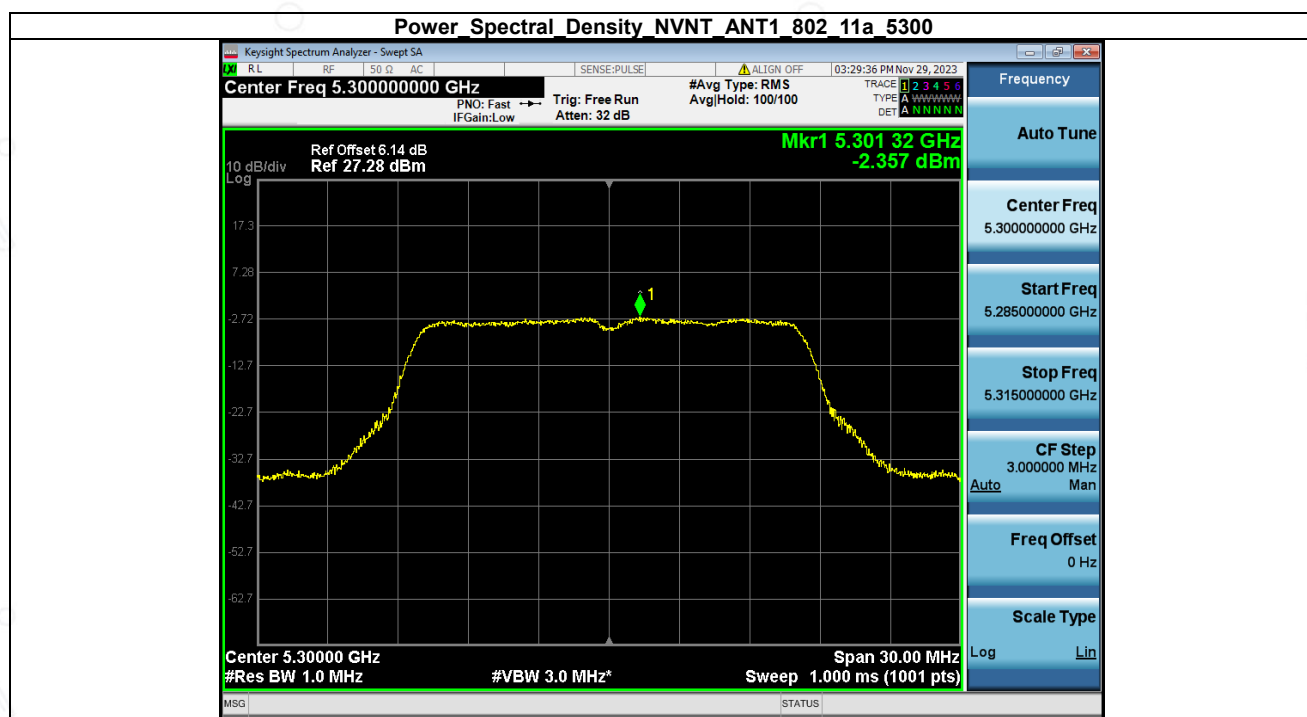
Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	9.04	1.92	10.96	24	Pass
NVNT	ANT1	802.11a	5300.00	8.55	2.22	10.77	24	Pass
NVNT	ANT1	802.11a	5320.00	8.57	1.92	10.49	24	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	9.00	2.11	11.11	24	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	8.53	2.43	10.96	24	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	8.33	2.11	10.44	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	8.13	2.11	10.24	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	7.53	2.69	10.22	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	7.74	2.69	10.43	24	Pass

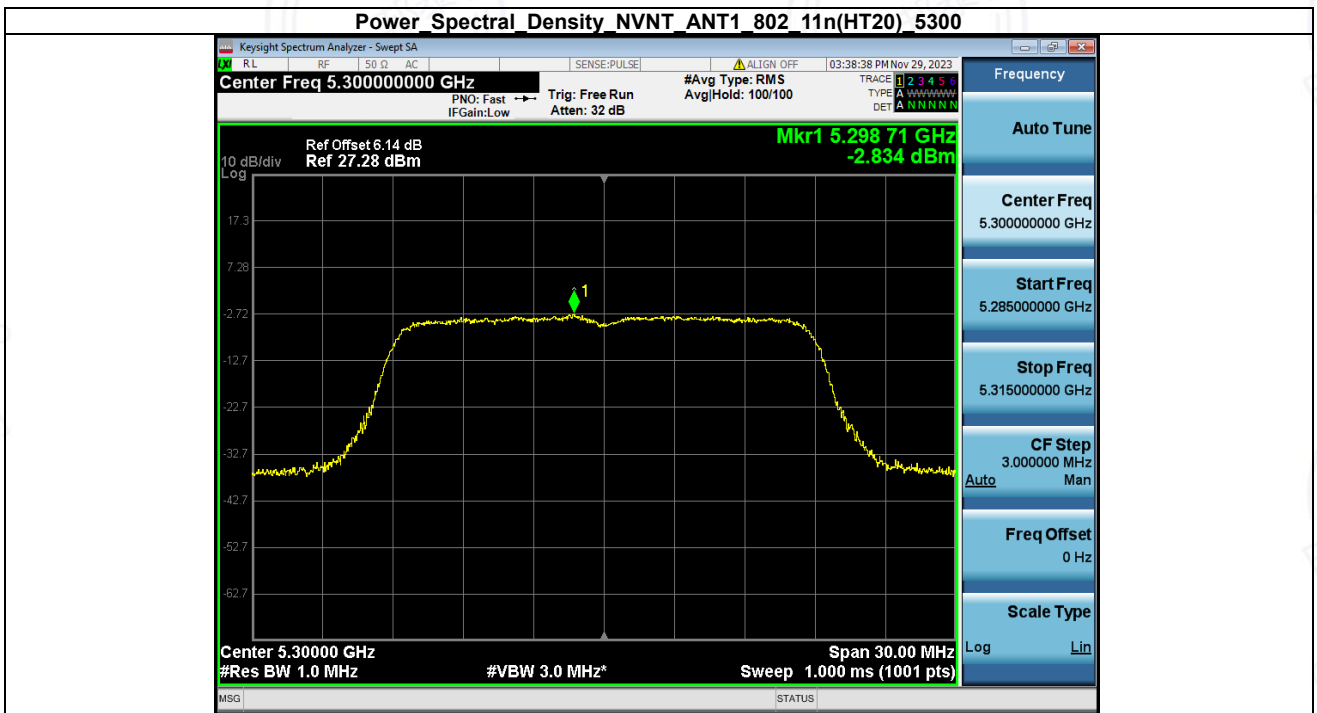


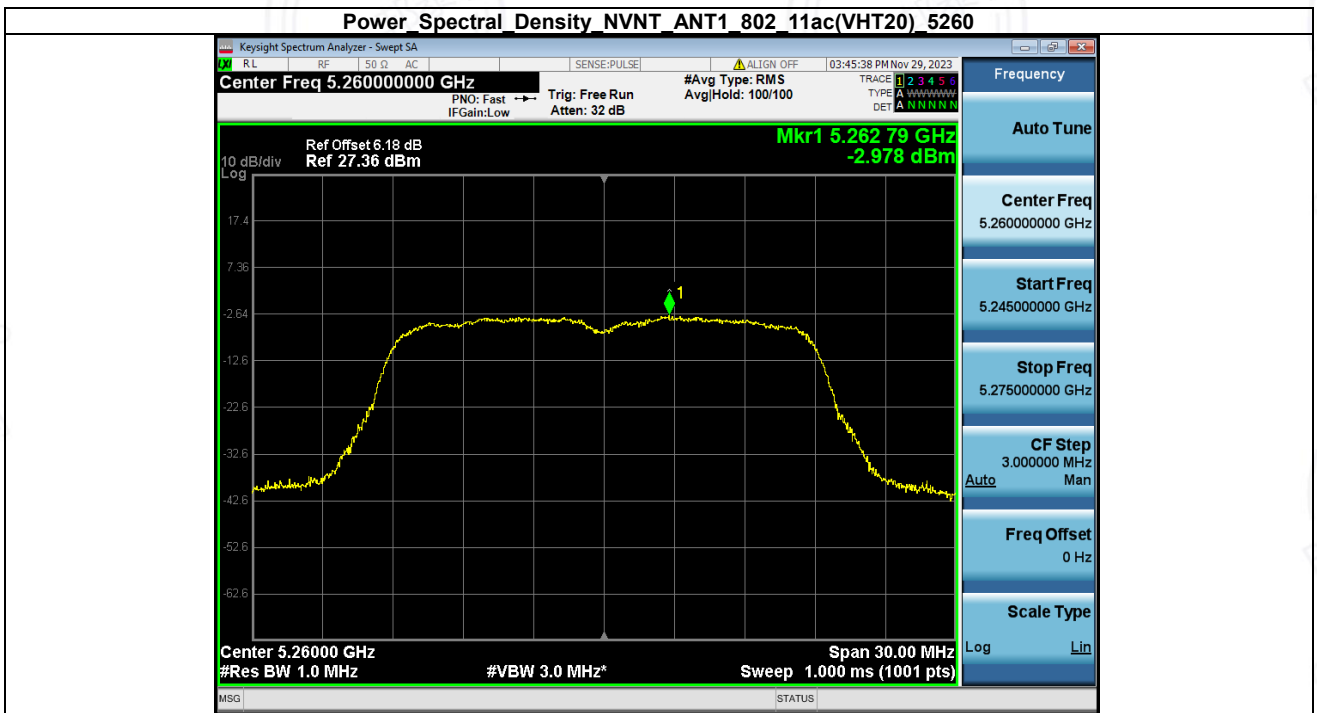
4. Power Spectral Density

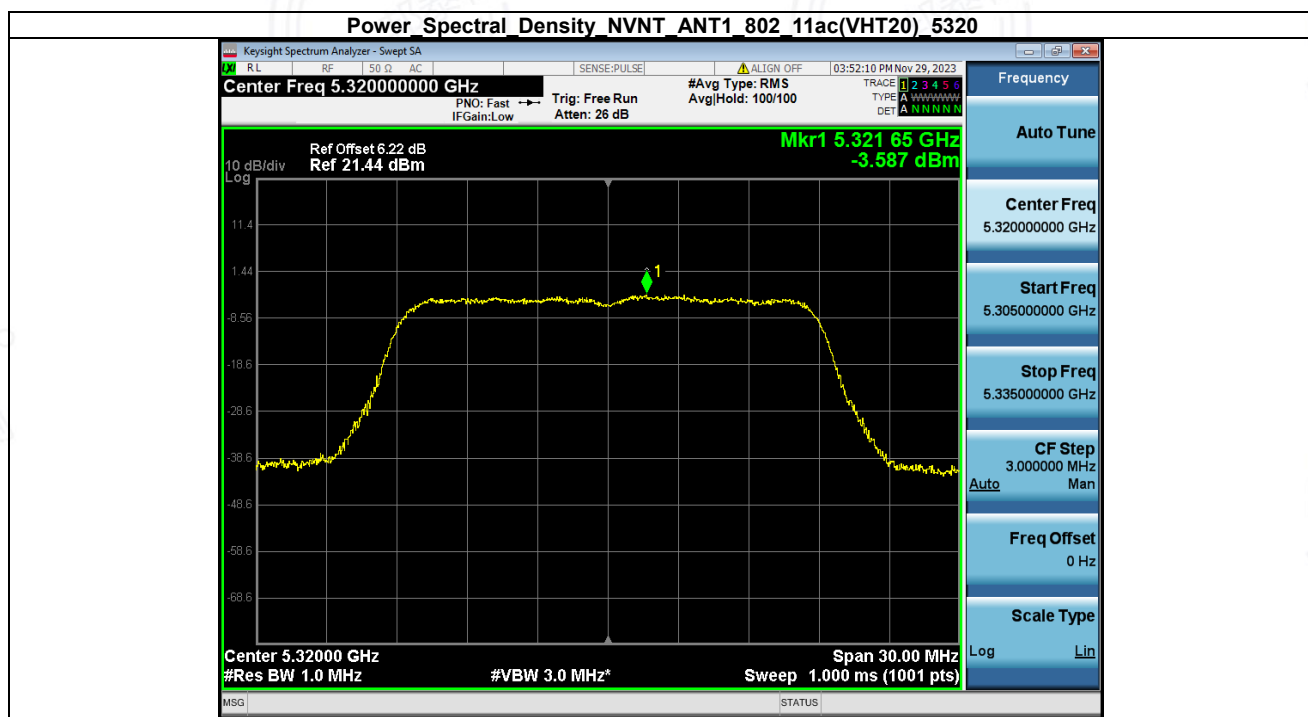
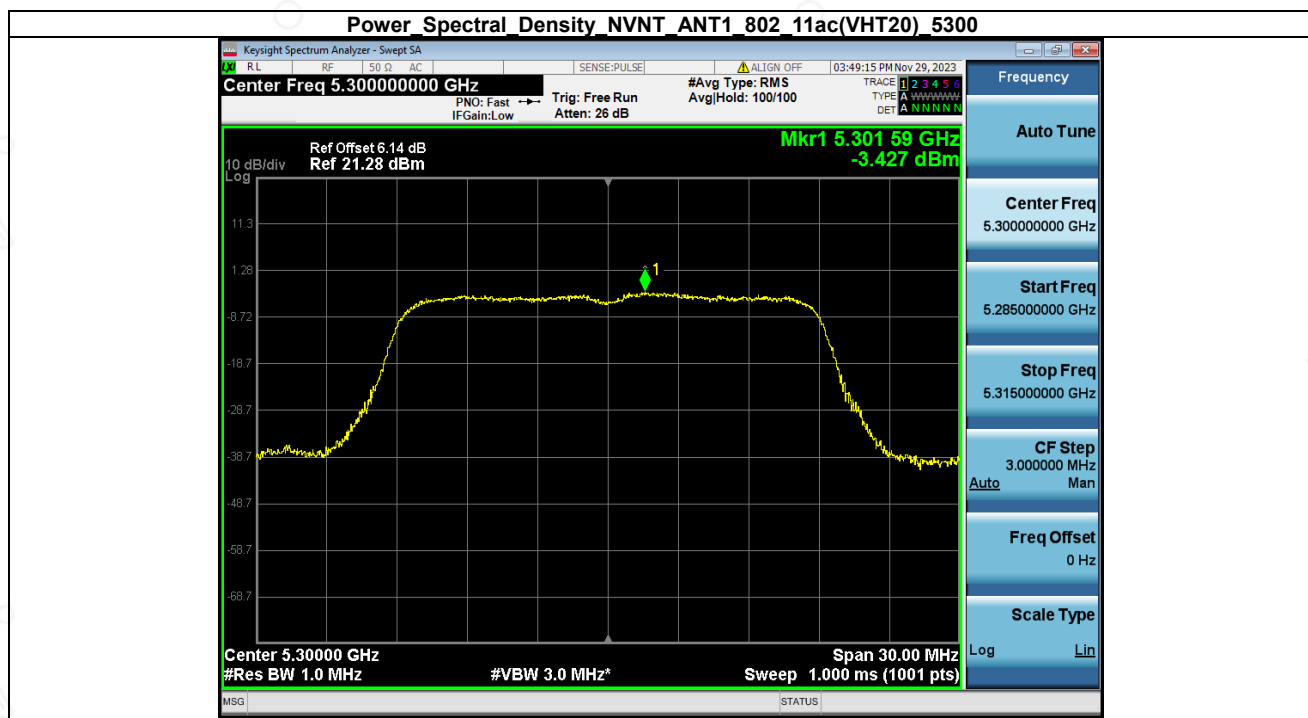
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	-1.50	1.92	0.42	11	Pass
NVNT	ANT1	802.11a	5300.00	-2.36	2.22	-0.14	11	Pass
NVNT	ANT1	802.11a	5320.00	-2.21	1.92	-0.29	11	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	-2.16	2.11	-0.05	11	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	-2.83	2.43	-0.40	11	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	-2.67	2.11	-0.56	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	-2.98	2.11	-0.87	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	-3.43	2.69	-0.74	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	-3.59	2.69	-0.90	11	Pass





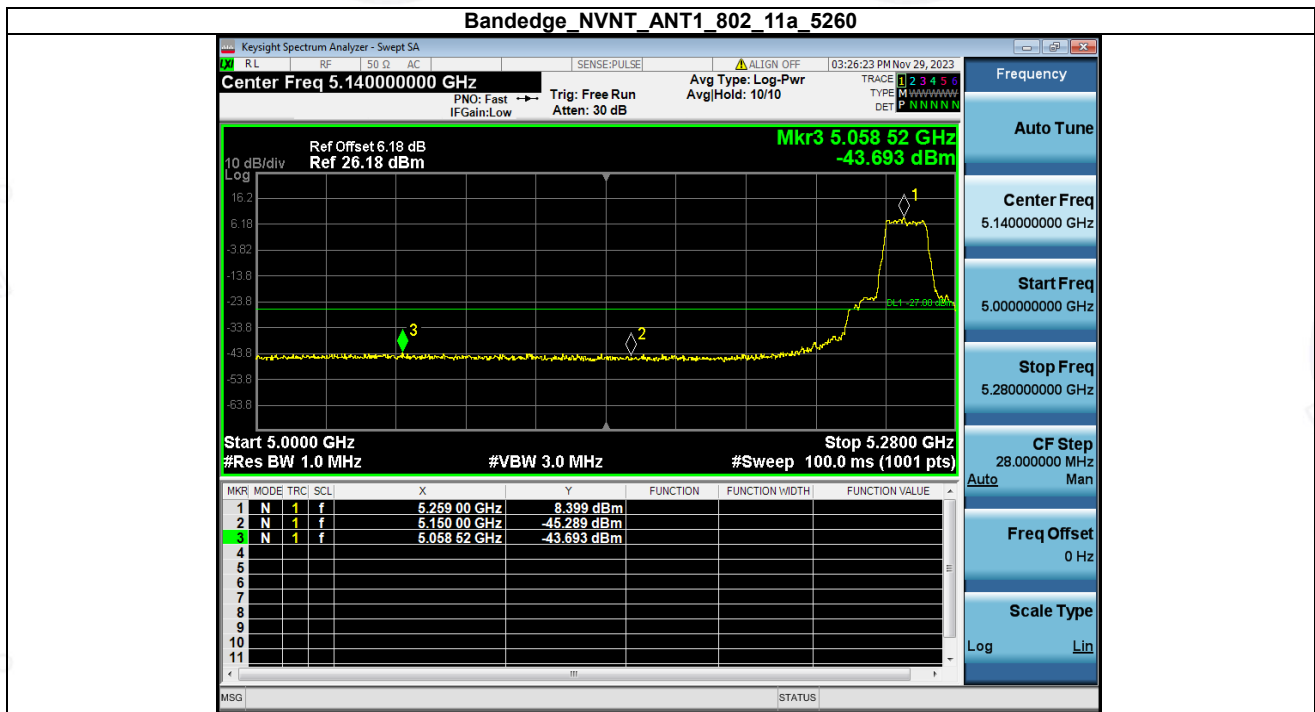


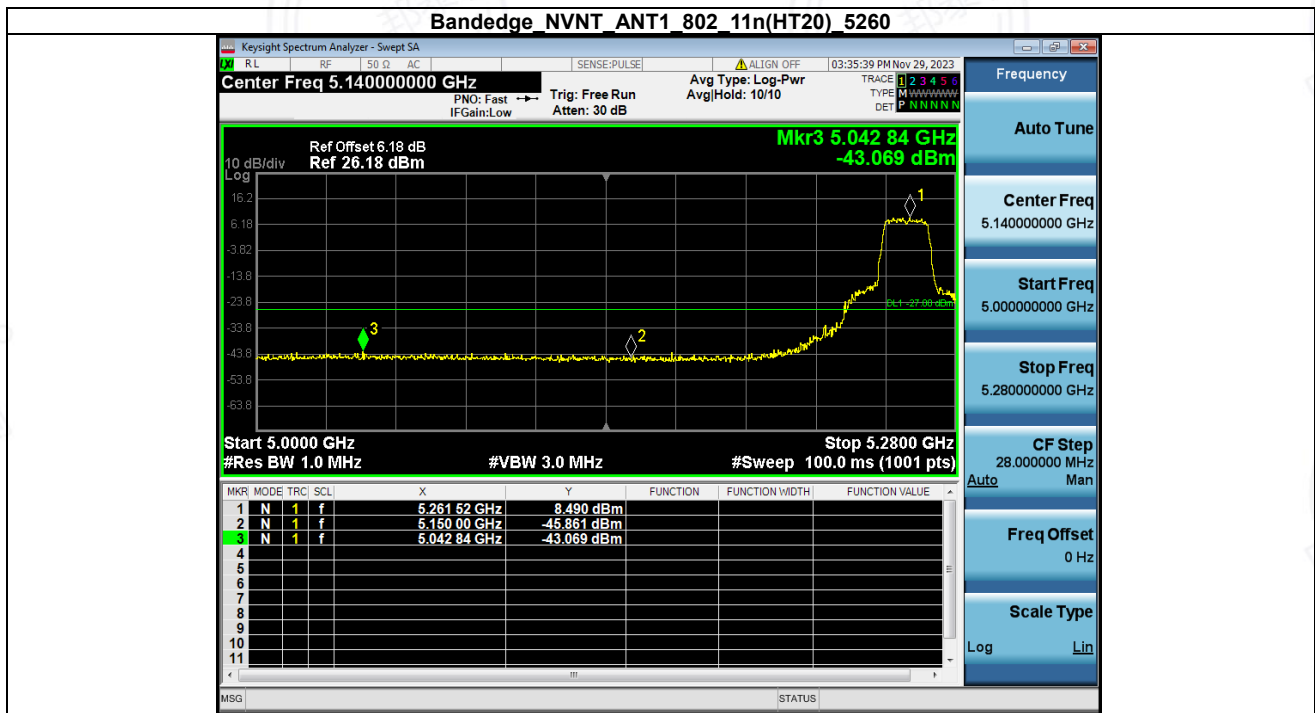
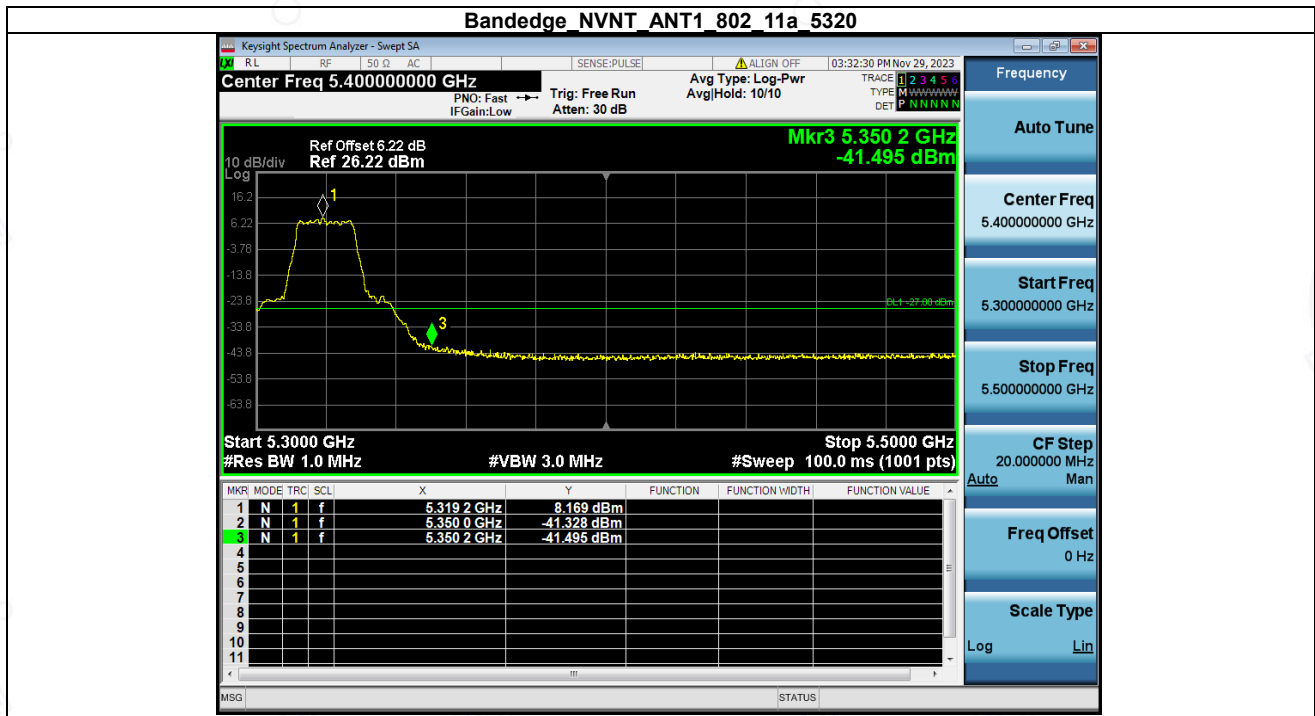


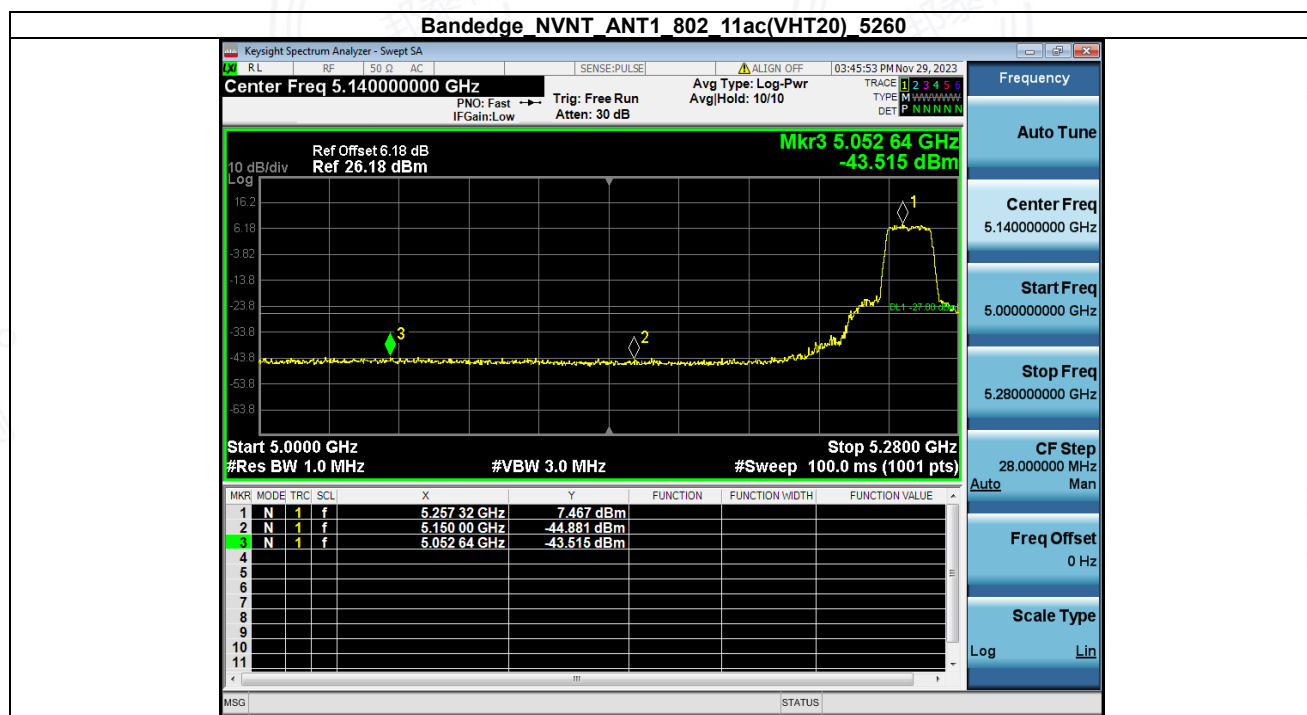
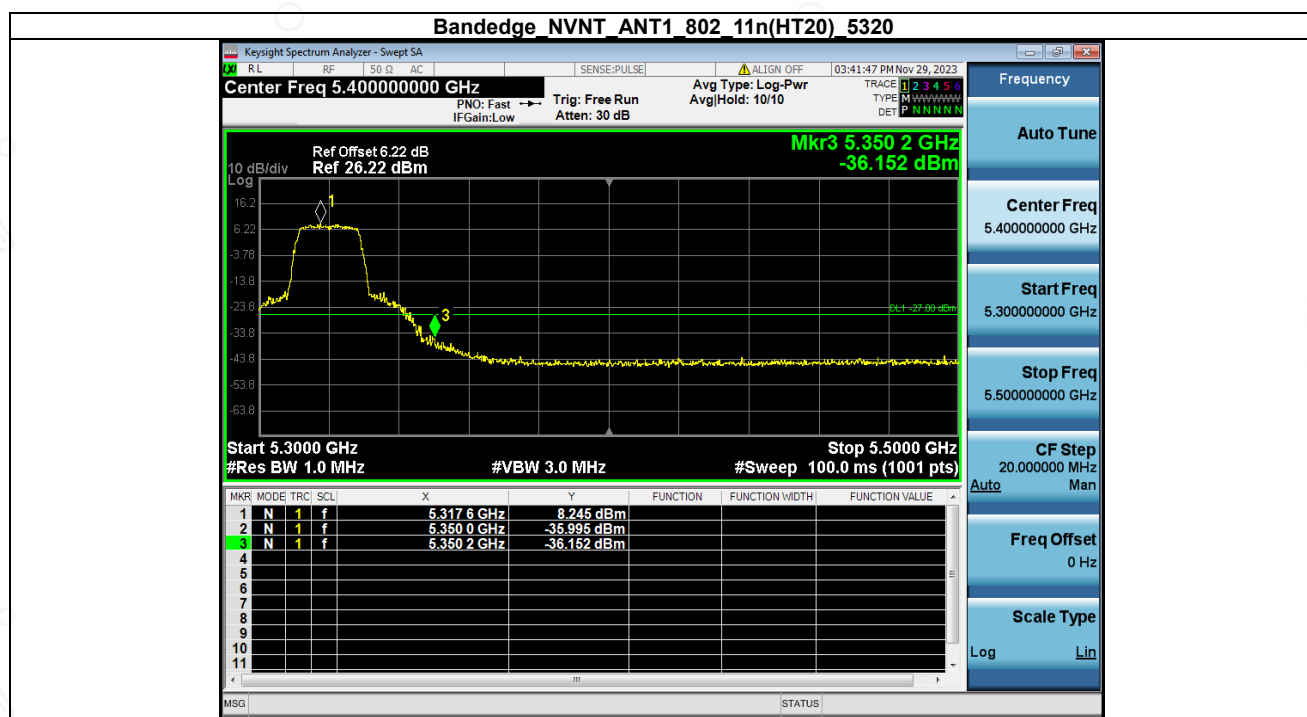


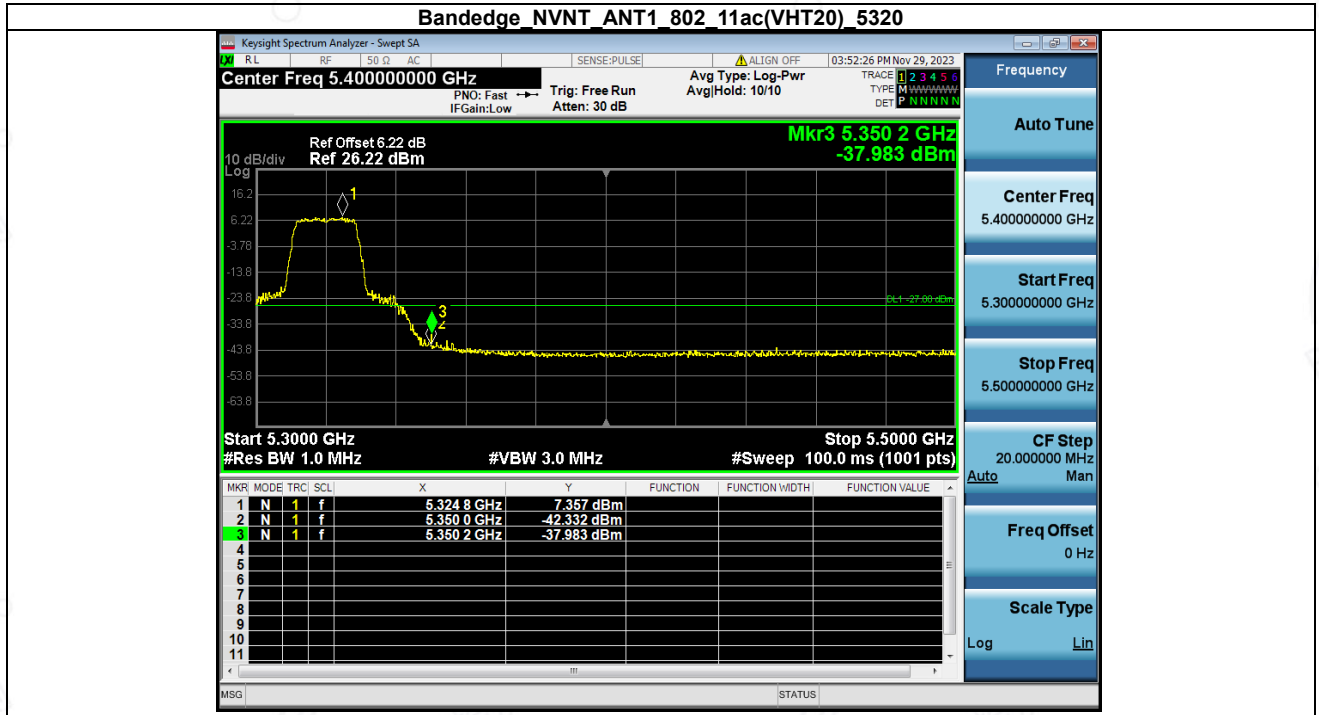
5. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	5058.52	-43.69	-27	Pass
NVNT	ANT1	802.11a	5320.00	5350.20	-41.49	-27	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	5042.84	-43.07	-27	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	5350.20	-36.15	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	5052.64	-43.52	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	5350.20	-37.98	-27	Pass



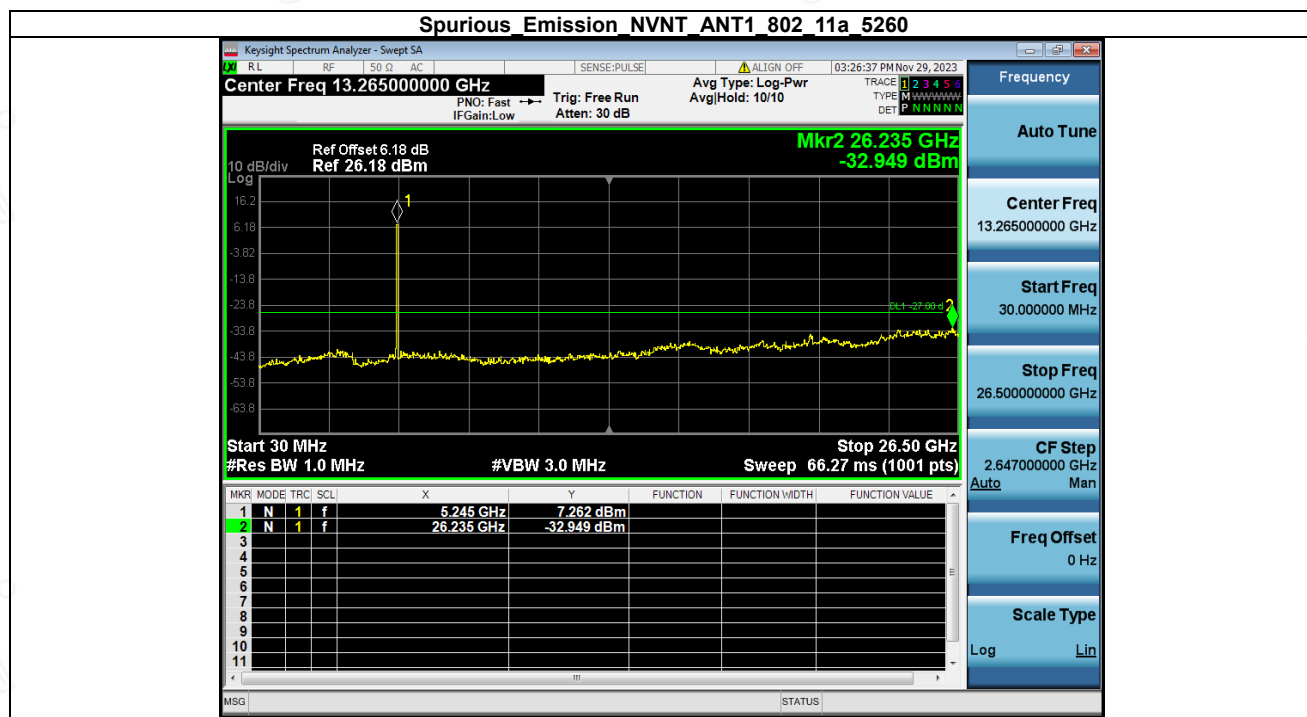


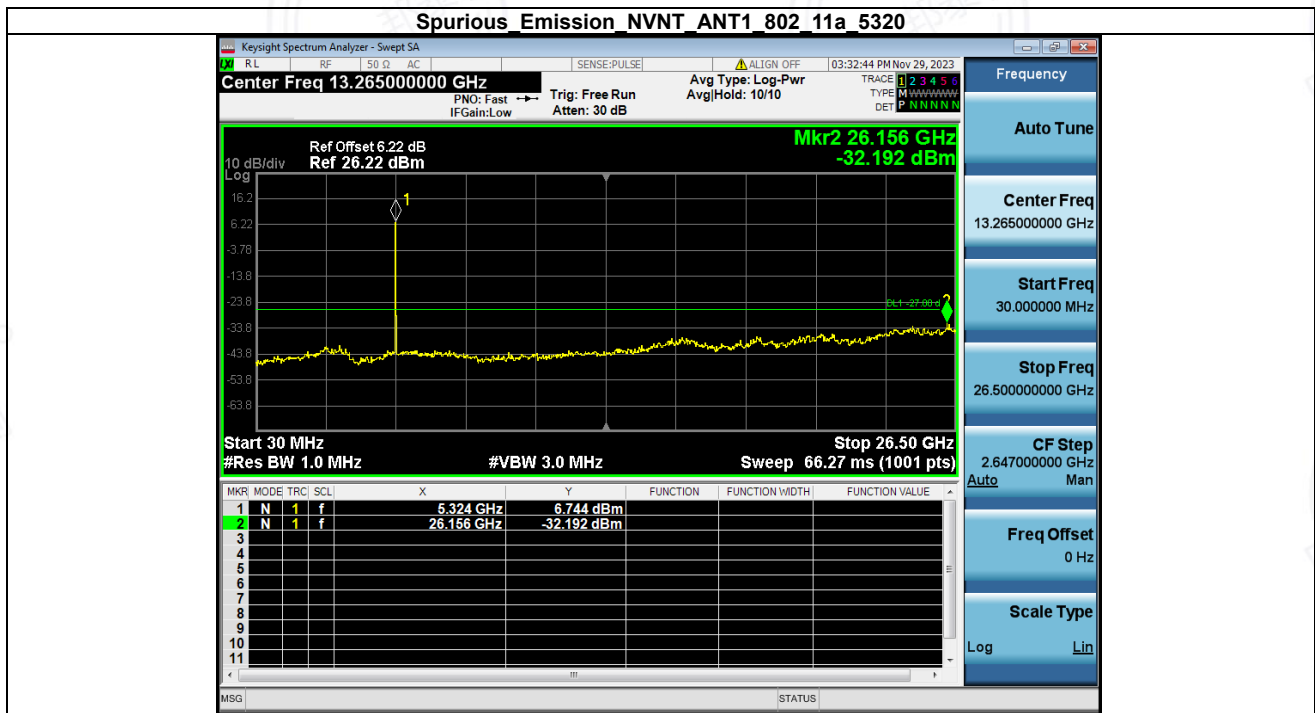
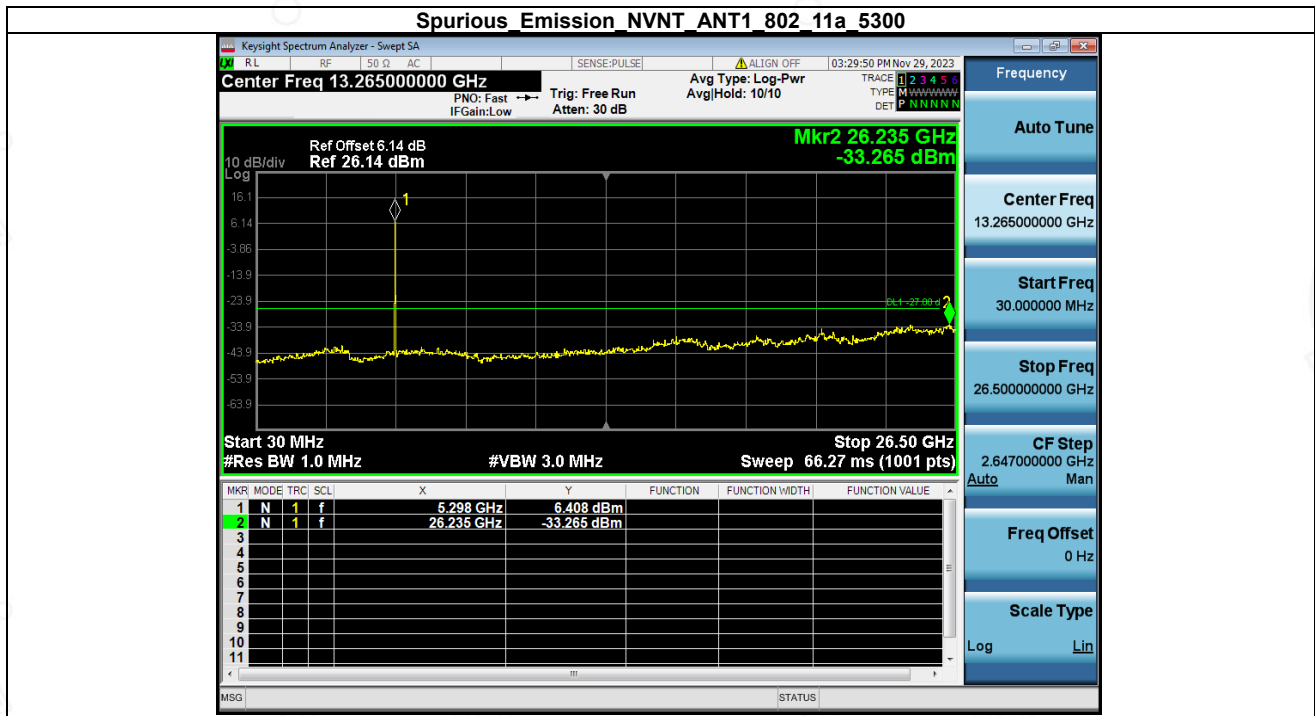




6. Spurious Emission

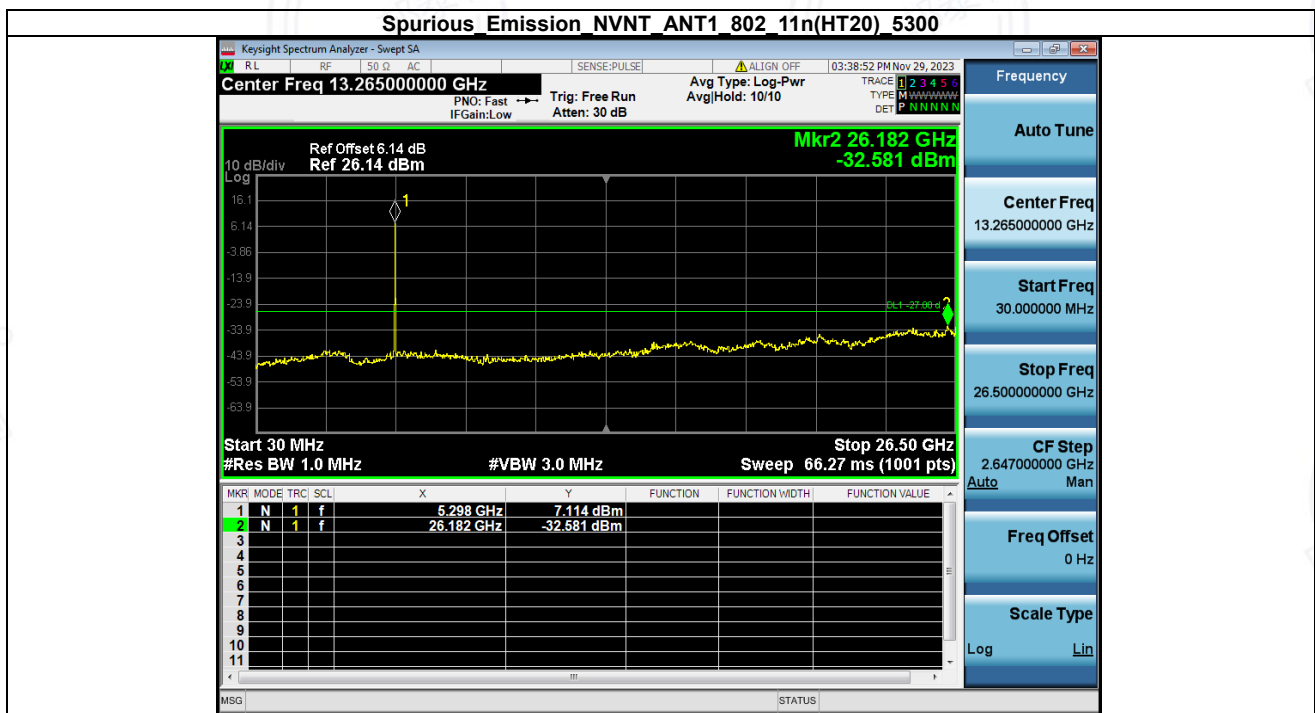
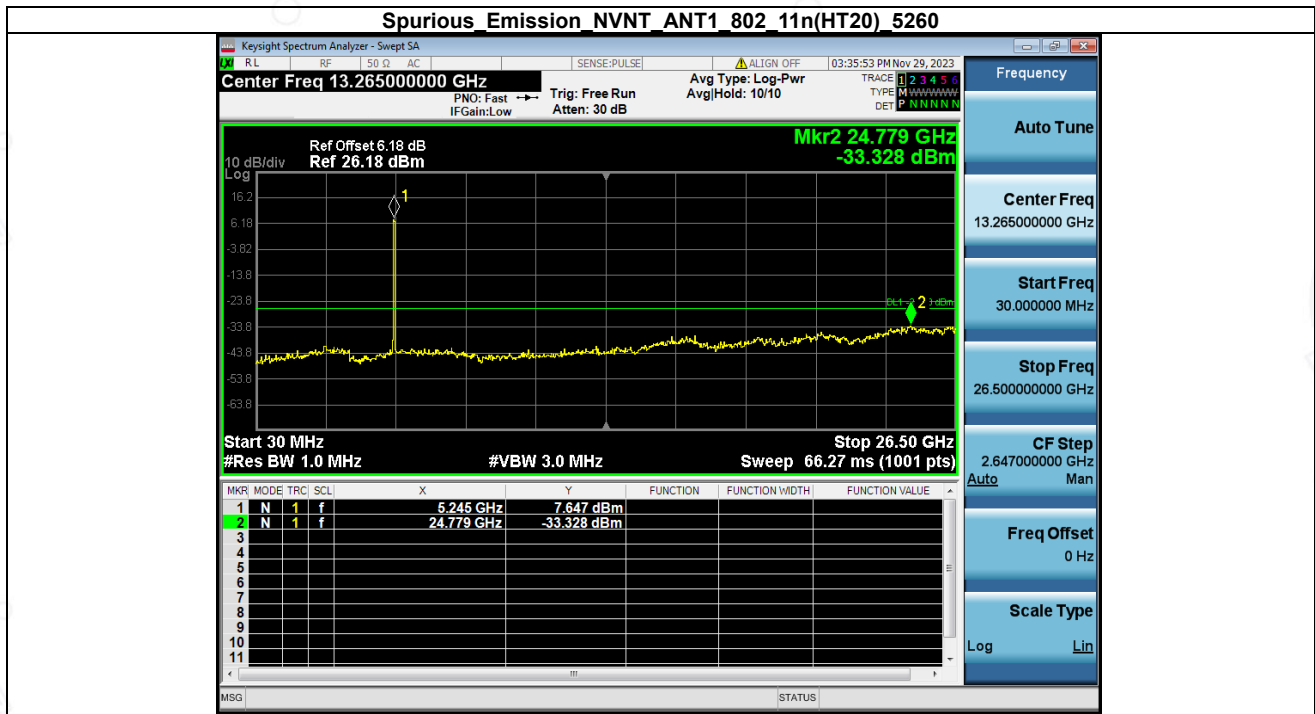
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark Frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5260.00	26235.30	-32.95	-27	Pass
NVNT	ANT1	802.11a	5300.00	26235.30	-33.26	-27	Pass
NVNT	ANT1	802.11a	5320.00	26155.89	-32.19	-27	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	24779.45	-33.33	-27	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	26182.36	-32.58	-27	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	25335.32	-32.39	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	26155.89	-32.54	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	26261.77	-33.35	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	24779.45	-32.09	-27	Pass

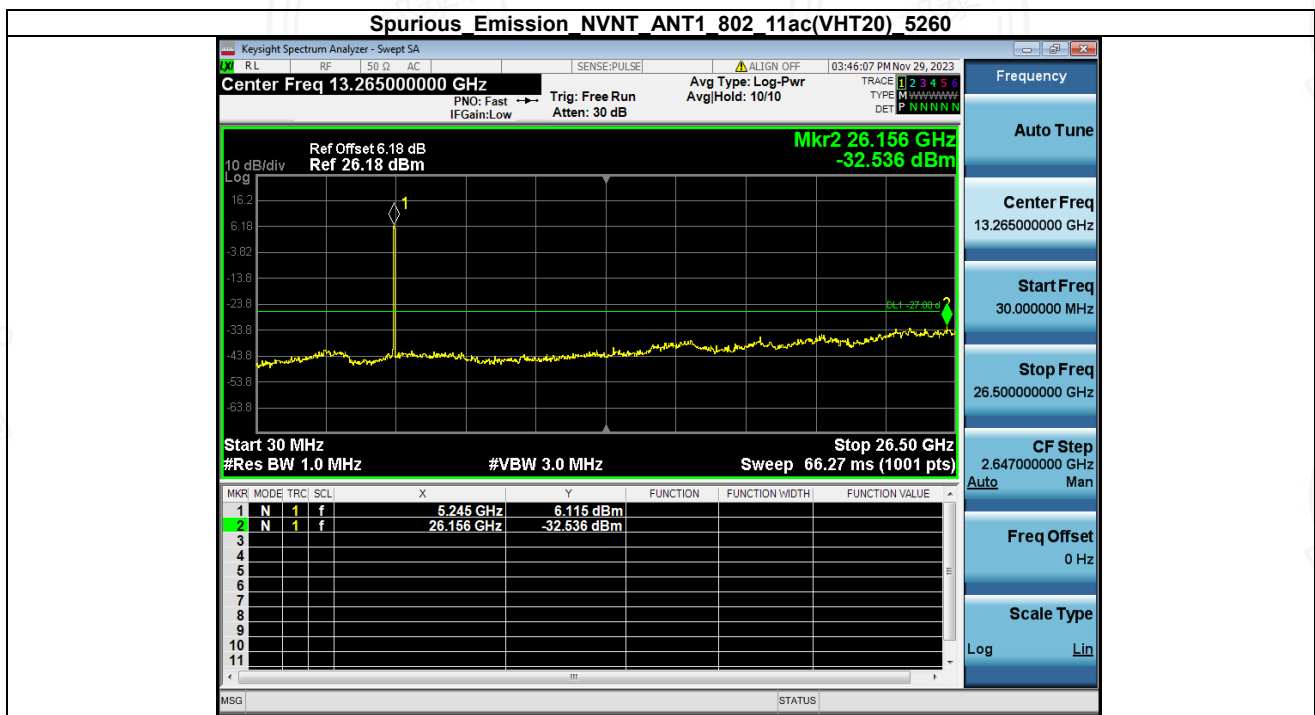
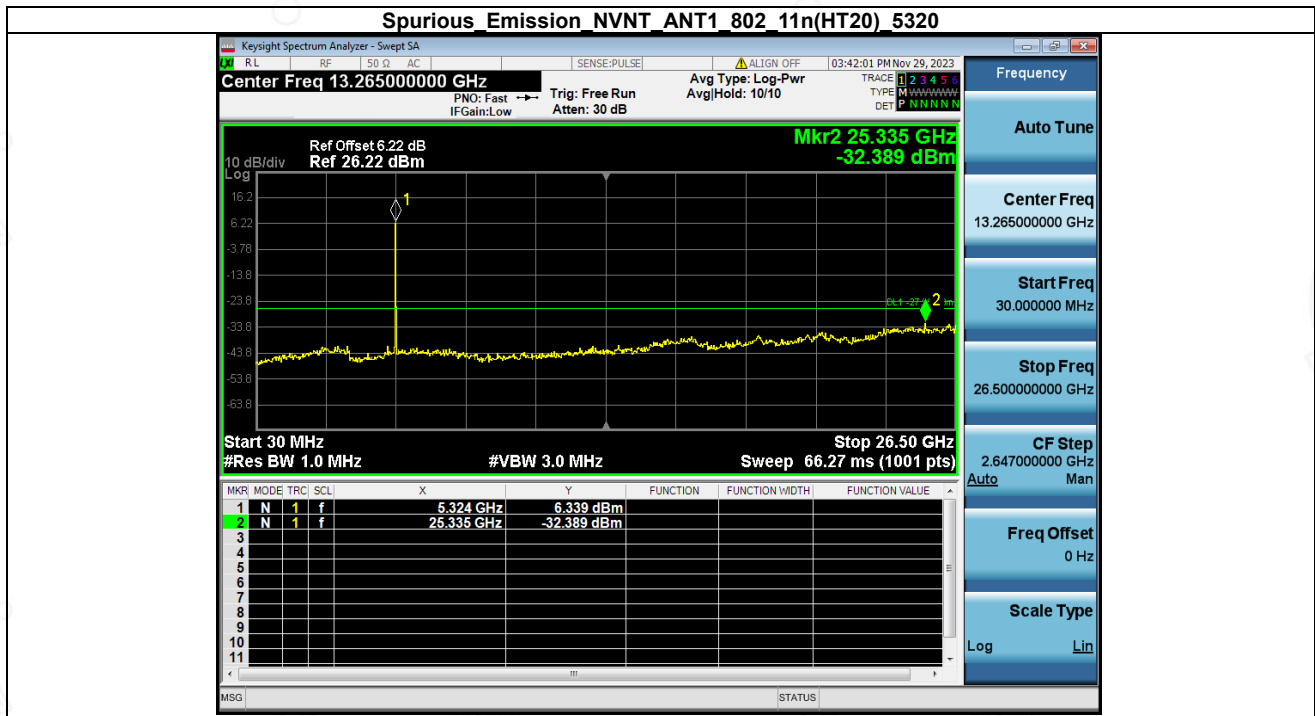


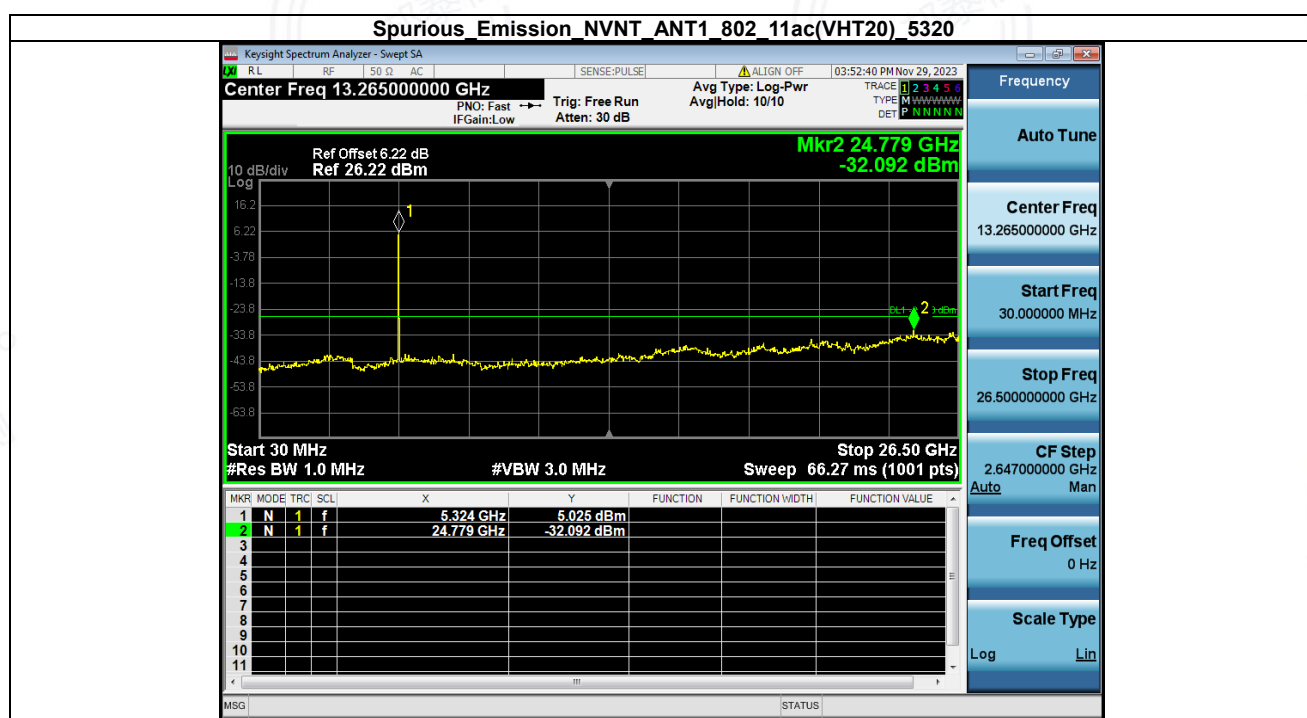
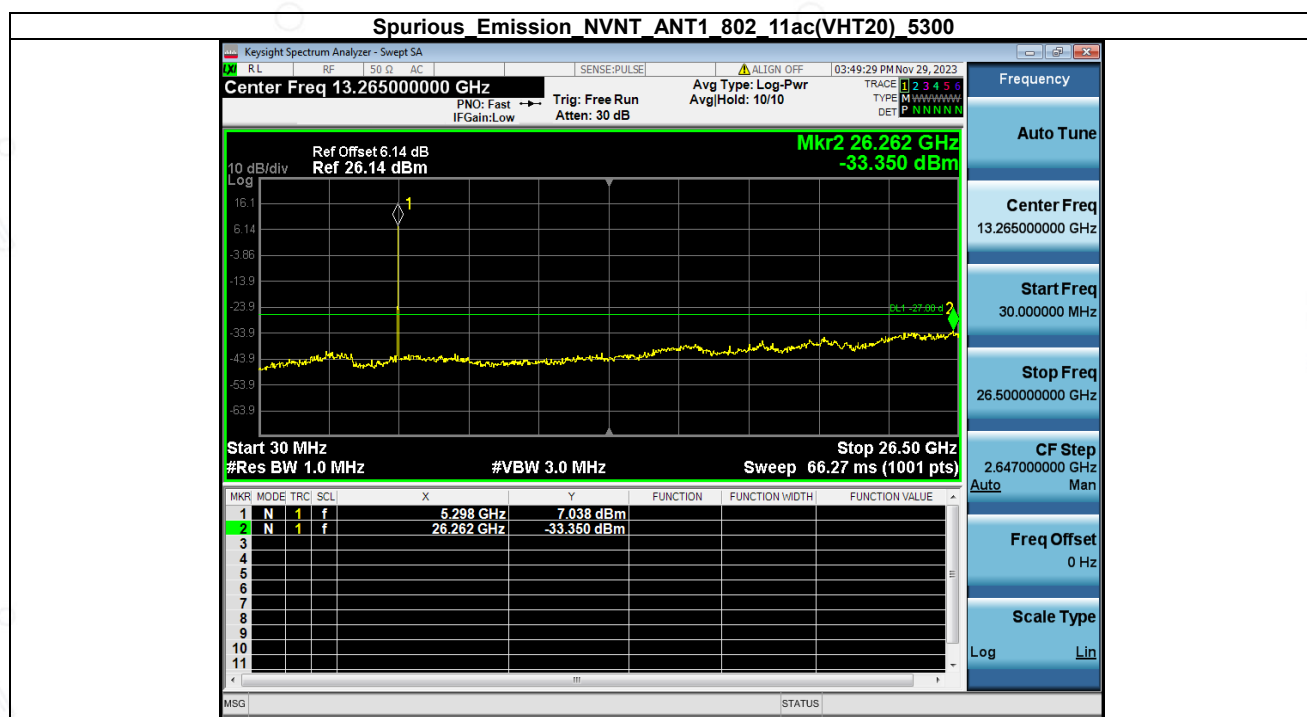


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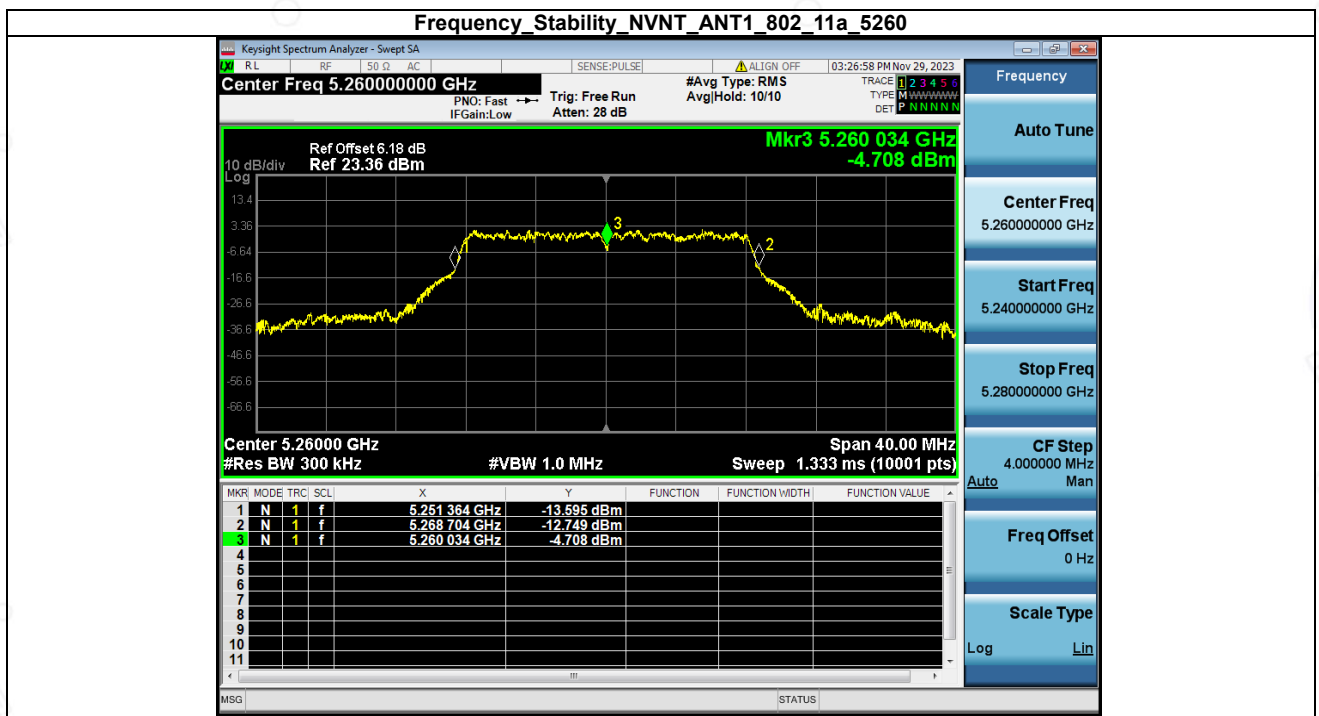


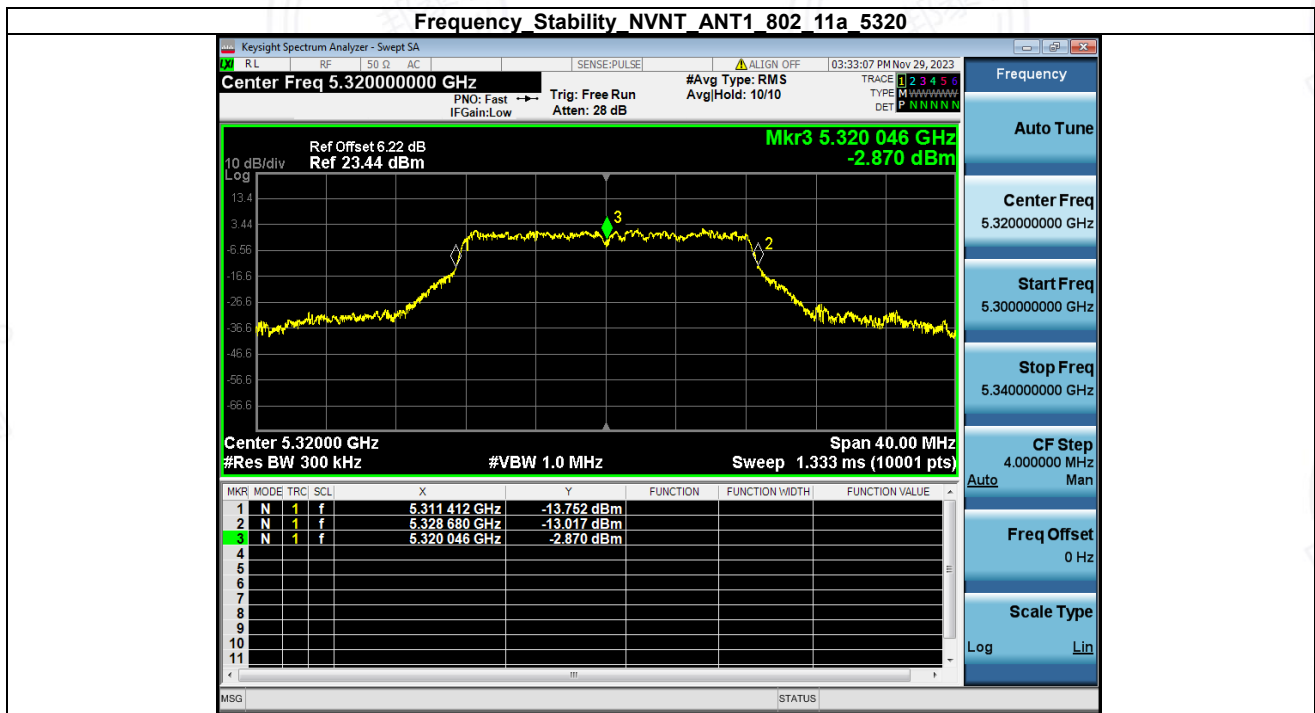
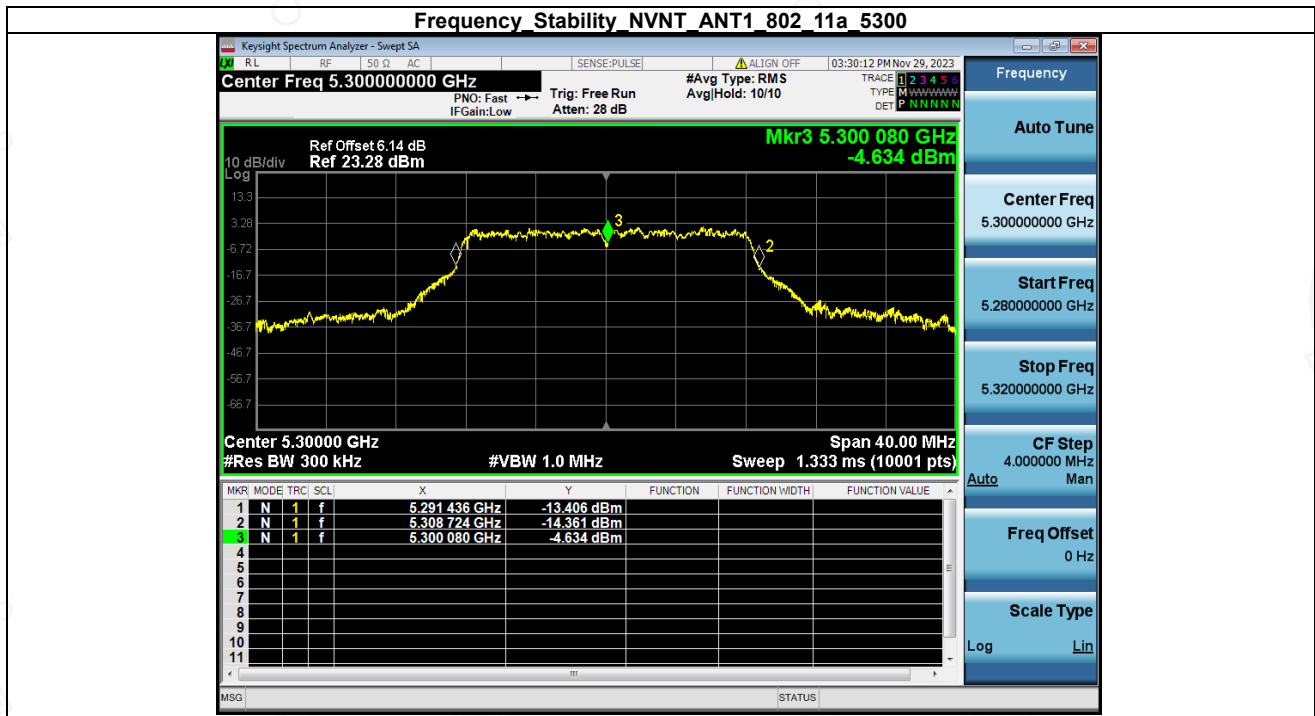


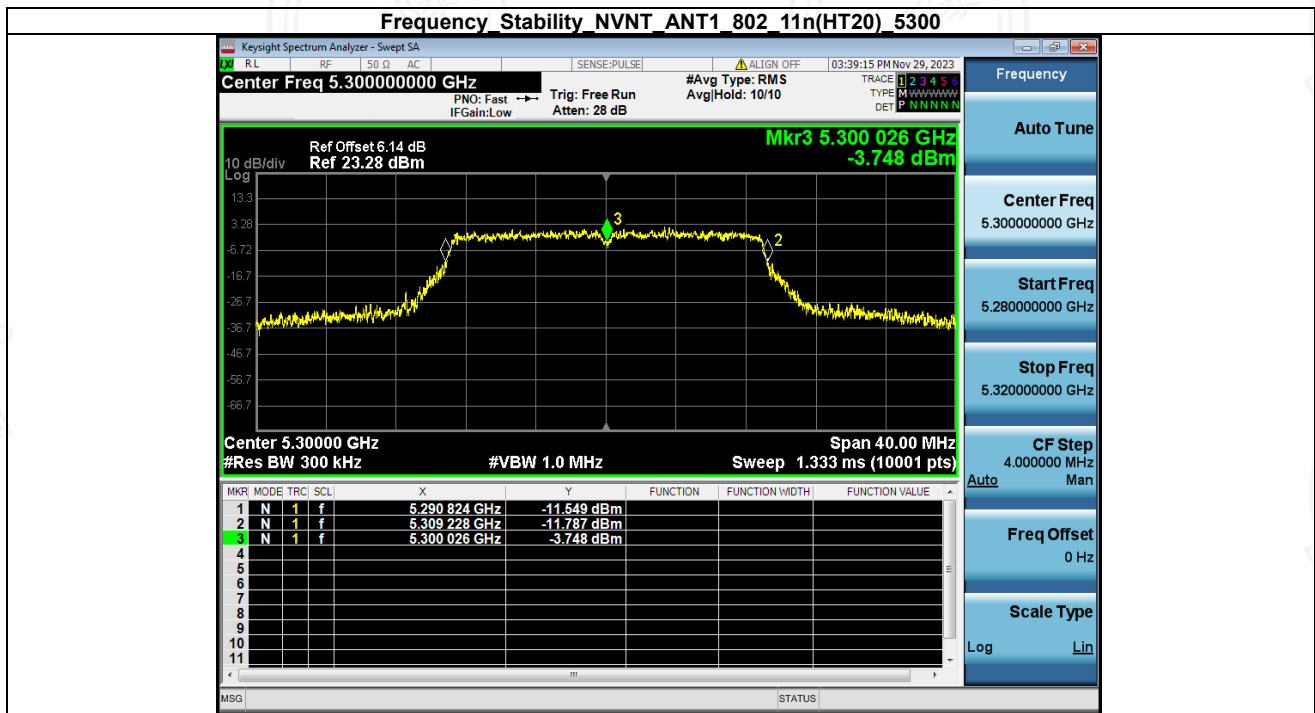
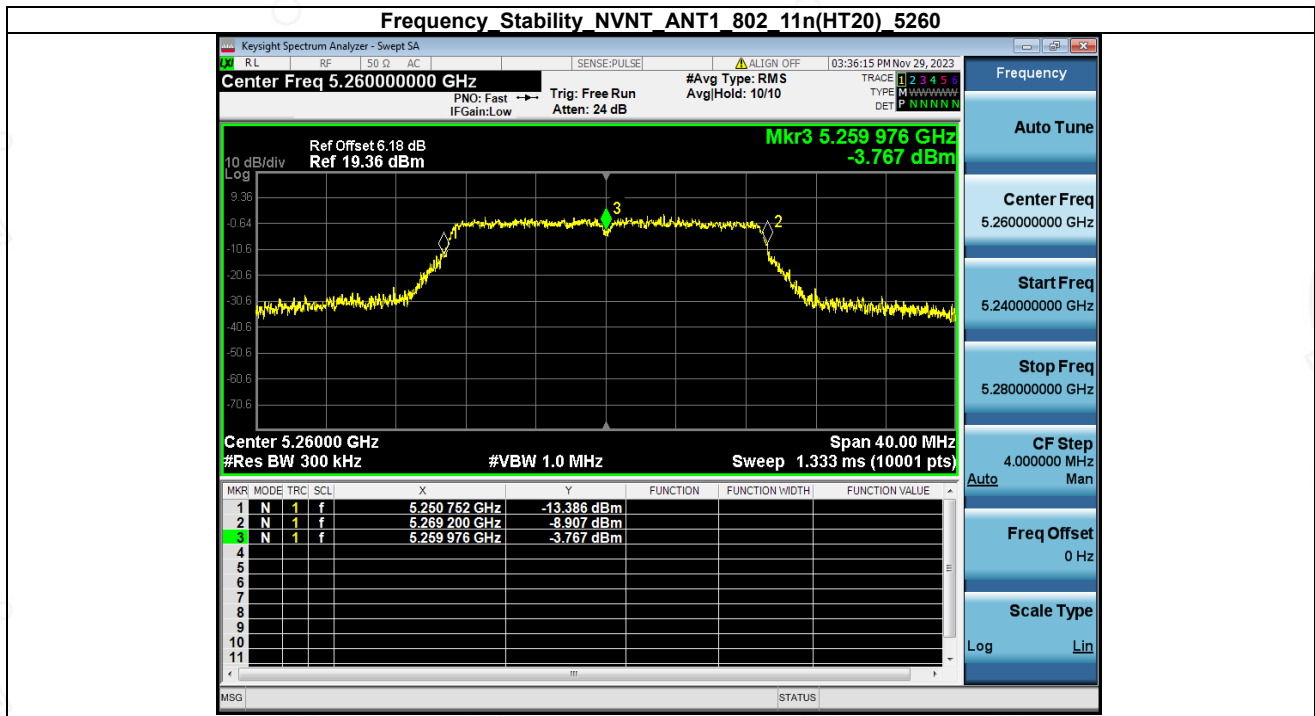


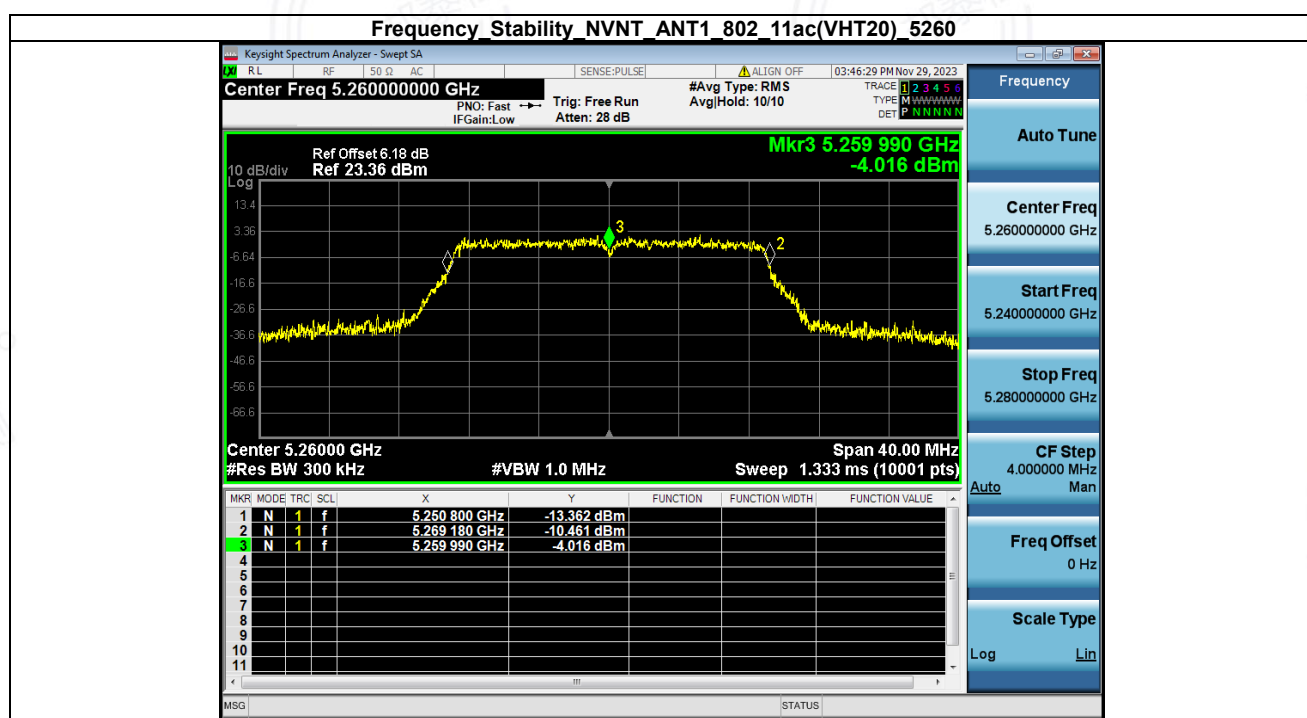
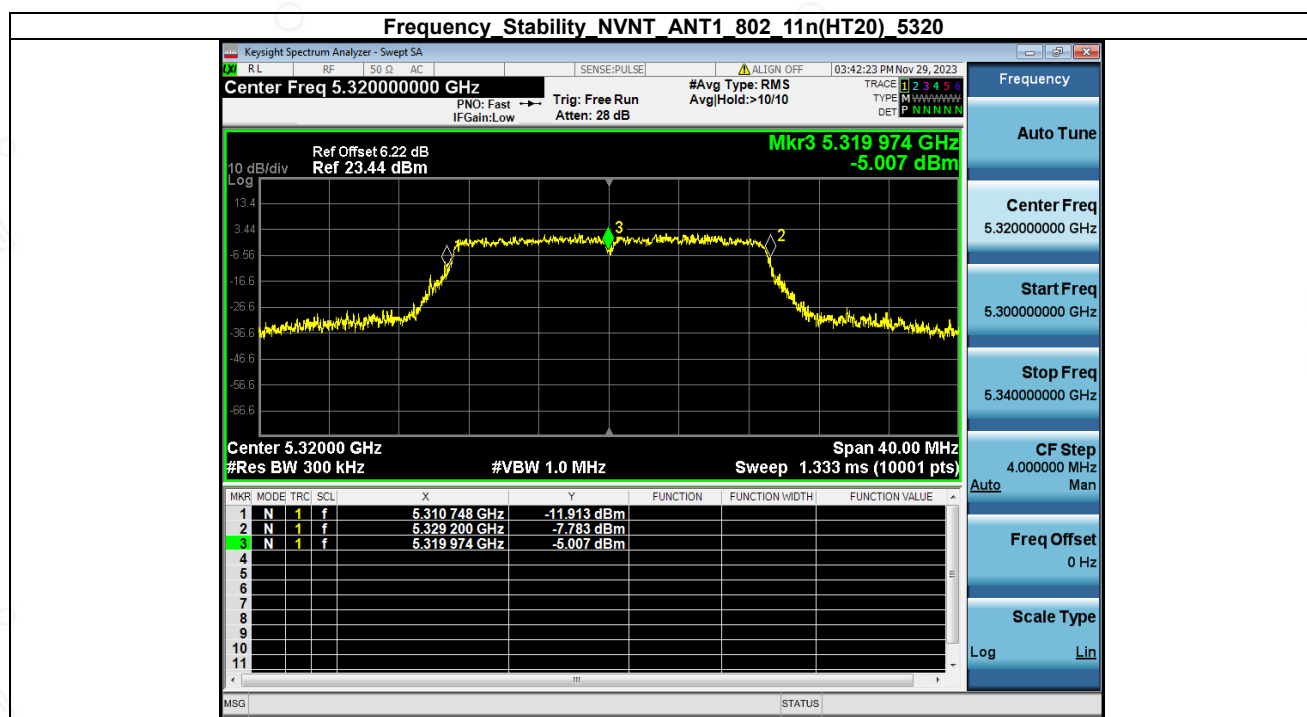
7. Frequency Stability

Condition	Antenna	Modulation	Frequency(MHz)	Fc(MHz)	Fi(MHz)	Fh(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5260.00	5260.034	5251.364	5268.704	5250~5350	Pass
NVNT	ANT1	802.11a	5300.00	5300.080	5291.436	5308.724	5250~5350	Pass
NVNT	ANT1	802.11a	5320.00	5320.046	5311.412	5328.680	5250~5350	Pass
NVNT	ANT1	802.11n(HT20)	5260.00	5259.976	5250.752	5269.200	5250~5350	Pass
NVNT	ANT1	802.11n(HT20)	5300.00	5300.026	5290.824	5309.228	5250~5350	Pass
NVNT	ANT1	802.11n(HT20)	5320.00	5319.974	5310.748	5329.200	5250~5350	Pass
NVNT	ANT1	802.11ac(VHT20)	5260.00	5259.990	5250.800	5269.180	5250~5350	Pass
NVNT	ANT1	802.11ac(VHT20)	5300.00	5300.036	5290.852	5309.220	5250~5350	Pass
NVNT	ANT1	802.11ac(VHT20)	5320.00	5320.038	5310.848	5329.228	5250~5350	Pass

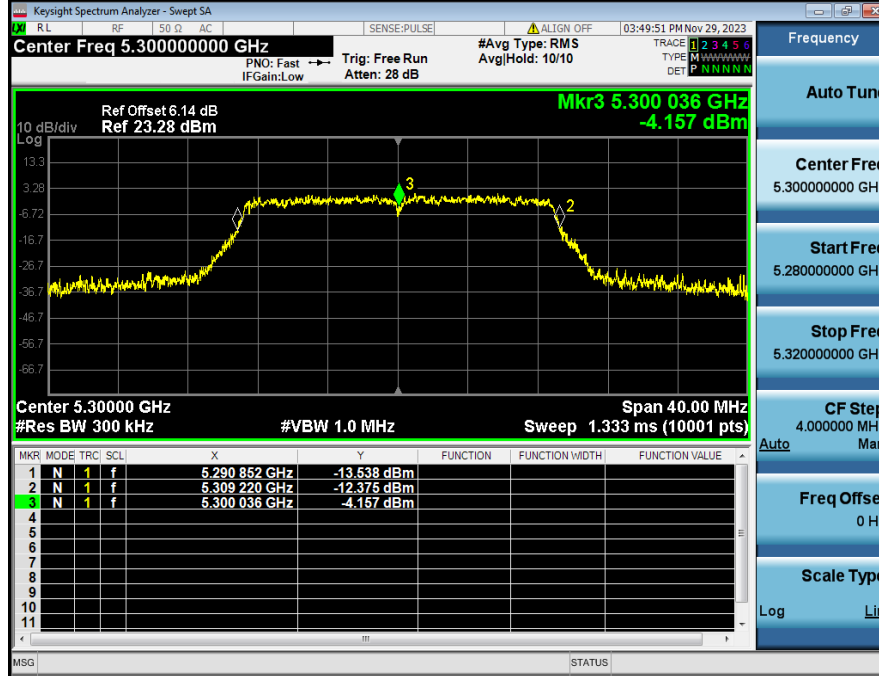








Frequency Stability NVNT_ANT1_802_11ac(VHT20) 5300



Frequency Stability NVNT_ANT1_802_11ac(VHT20) 5320

