Table of Contents

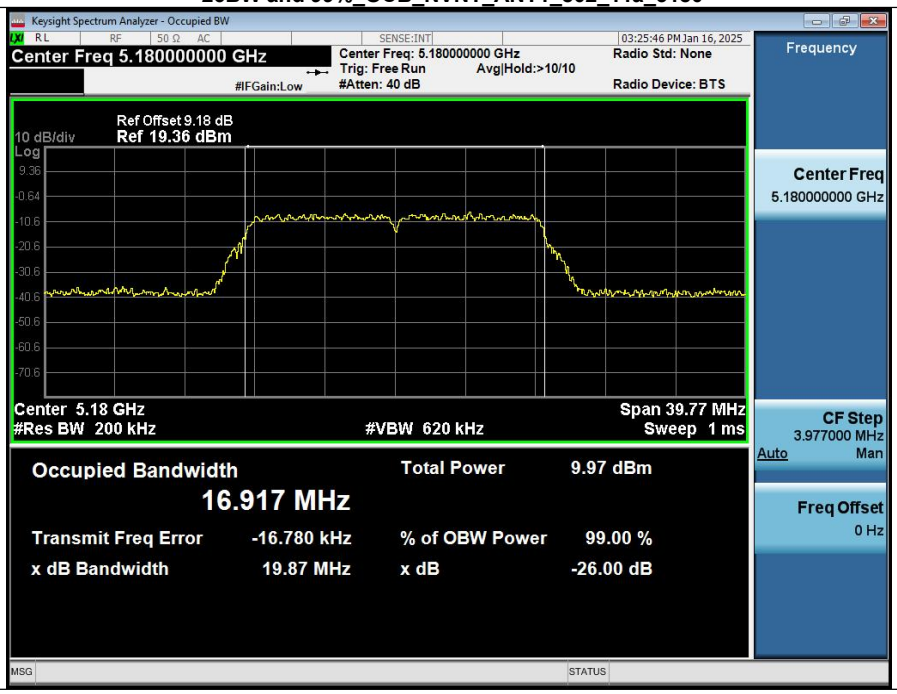
1. -26dB and 99% Emission Bandwidth 2
2. Duty Cycle 9
3. Maximum Conducted Output Power 16
4. Power Spectral Density 23
5. Bandedge 30
6. Spurious Emission 36
7. Frequency Stability 43

FCC ID:QIC-MSE12
IC:30055-MSE12
FCC_5.2G_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	5180.00	19.87	16.917
NVNT	ANT1	802.11a	5200.00	20.06	16.908
NVNT	ANT1	802.11a	5240.00	19.78	16.795
NVNT	ANT1	802.11n(HT20)	5180.00	20.06	17.807
NVNT	ANT1	802.11n(HT20)	5200.00	20.14	17.811
NVNT	ANT1	802.11n(HT20)	5240.00	19.99	17.818
NVNT	ANT1	802.11ac(VHT20)	5180.00	20.04	17.824
NVNT	ANT1	802.11ac(VHT20)	5200.00	20.27	17.797
NVNT	ANT1	802.11ac(VHT20)	5240.00	20.17	17.806
NVNT	ANT1	802.11n(HT40)	5190.00	53.42	36.350
NVNT	ANT1	802.11n(HT40)	5230.00	54.32	36.348
NVNT	ANT1	802.11ac(VHT40)	5190.00	68.36	36.700
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.42	36.359

-26BW and 99%_OCB_NVNT_ANT1_802_11a_5180



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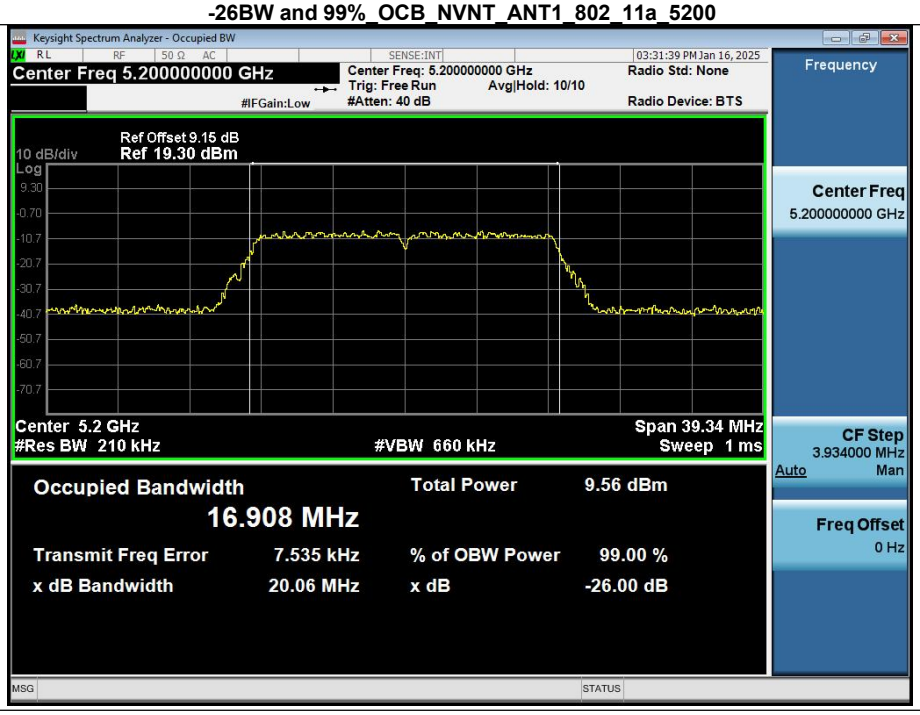
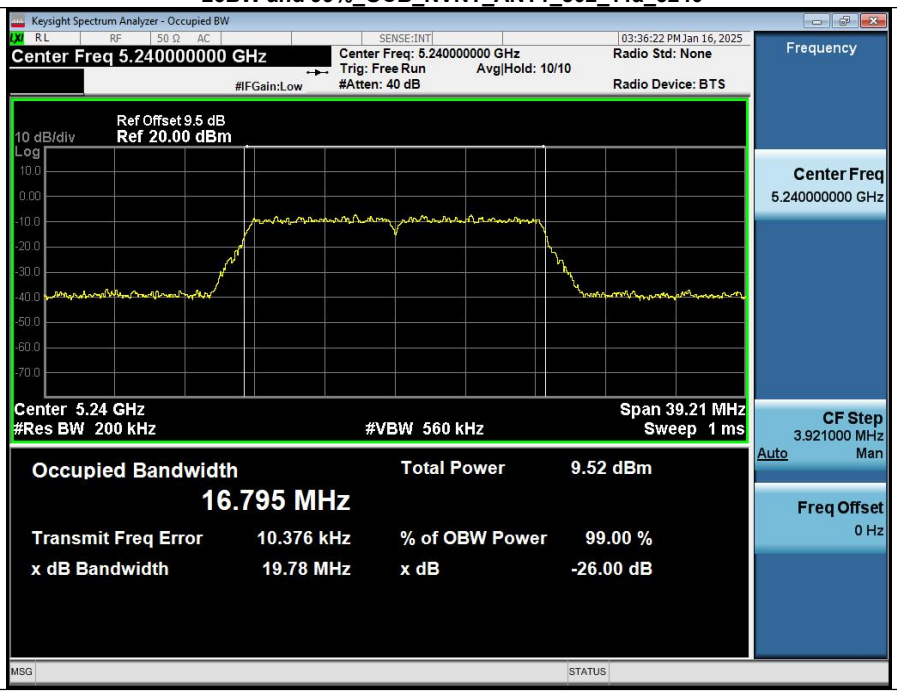
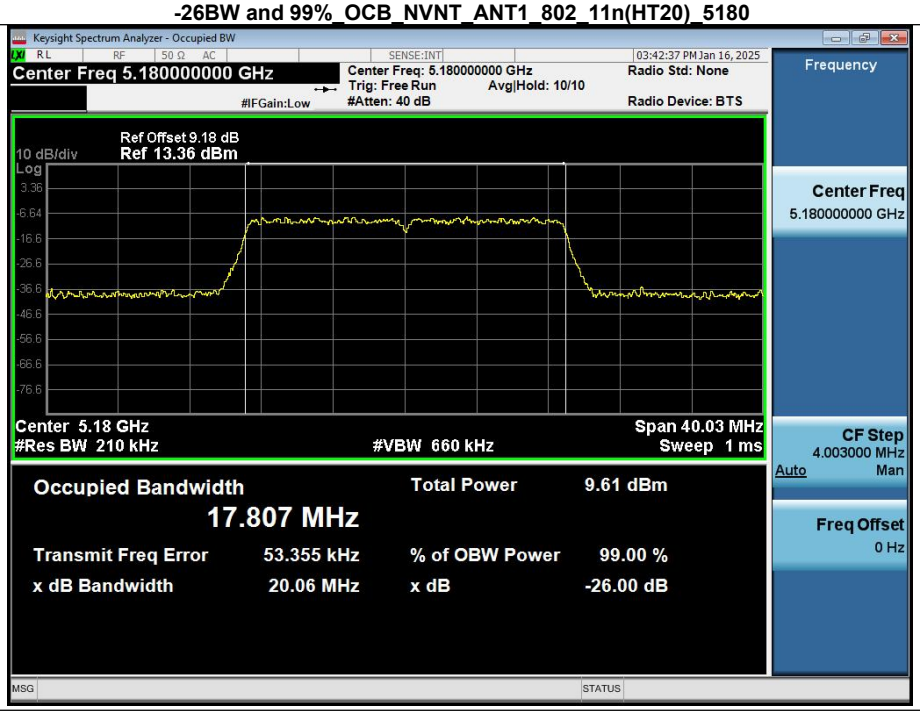


-26BW and 99%_OCB_NVNT_ANT1_802_11a_5240



-26BW and 99%_OCB_NVNT_ANT1_802_11n(HT20)_5180



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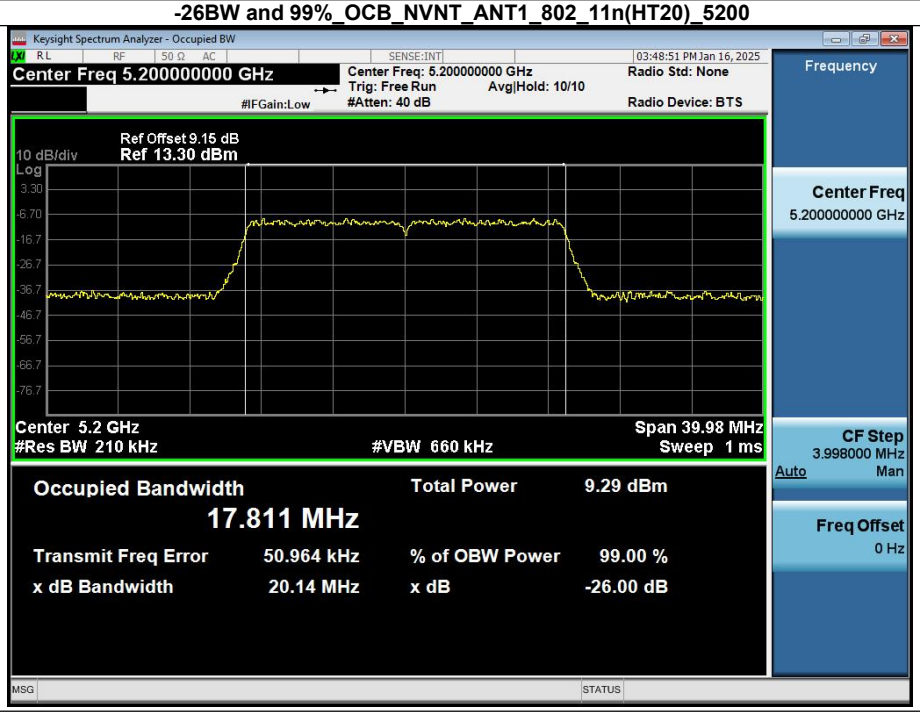

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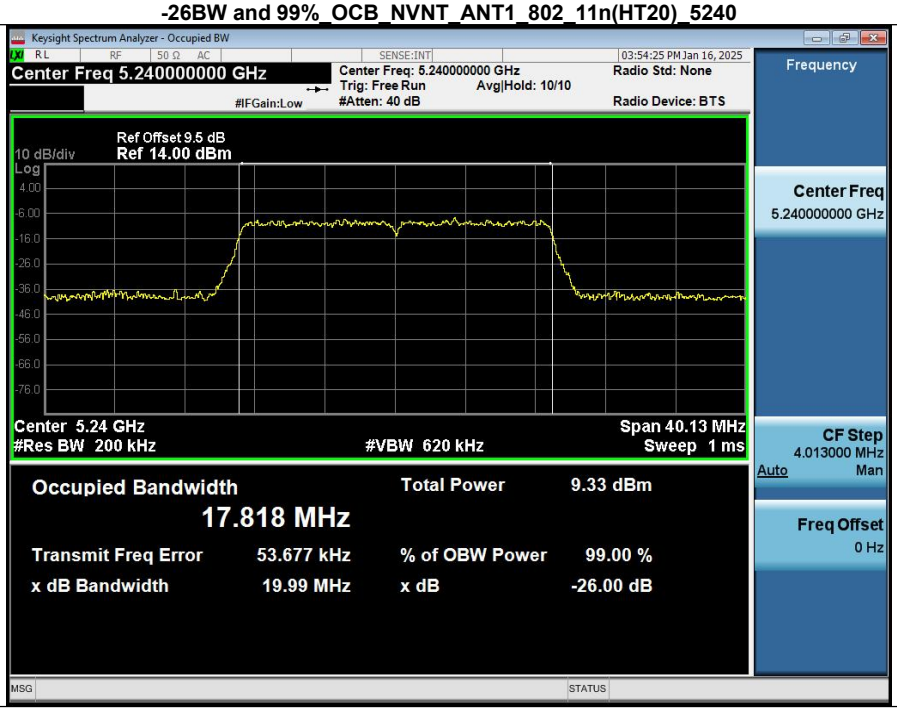
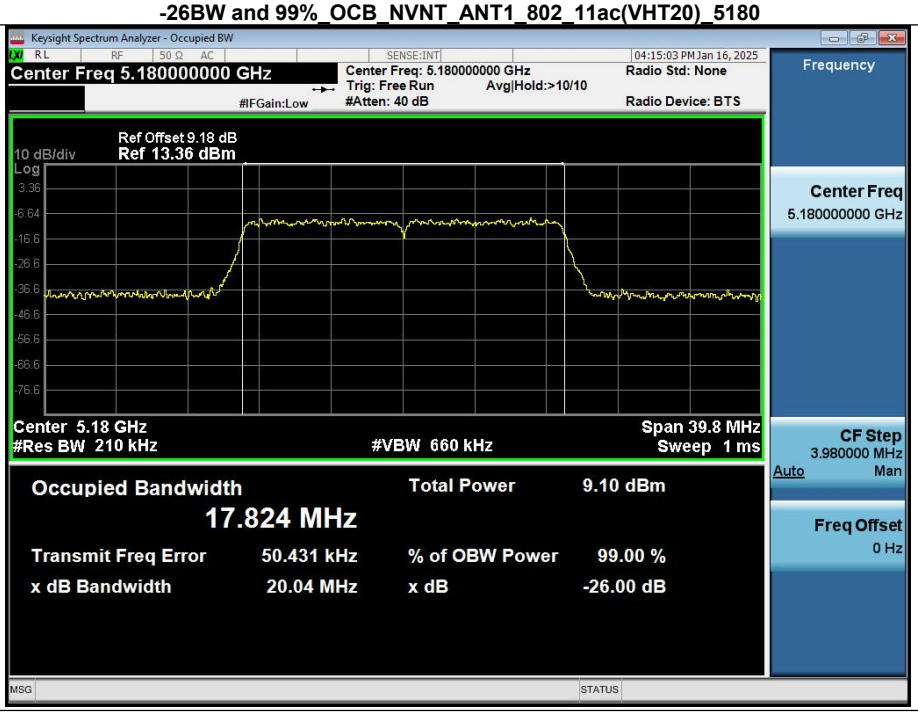


-26BW and 99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5180



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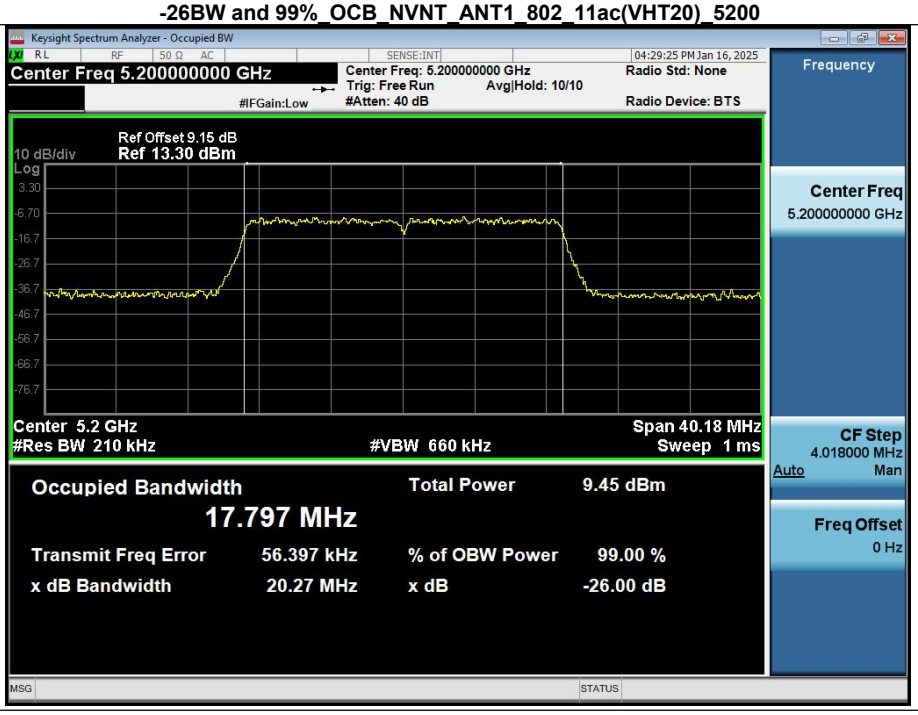
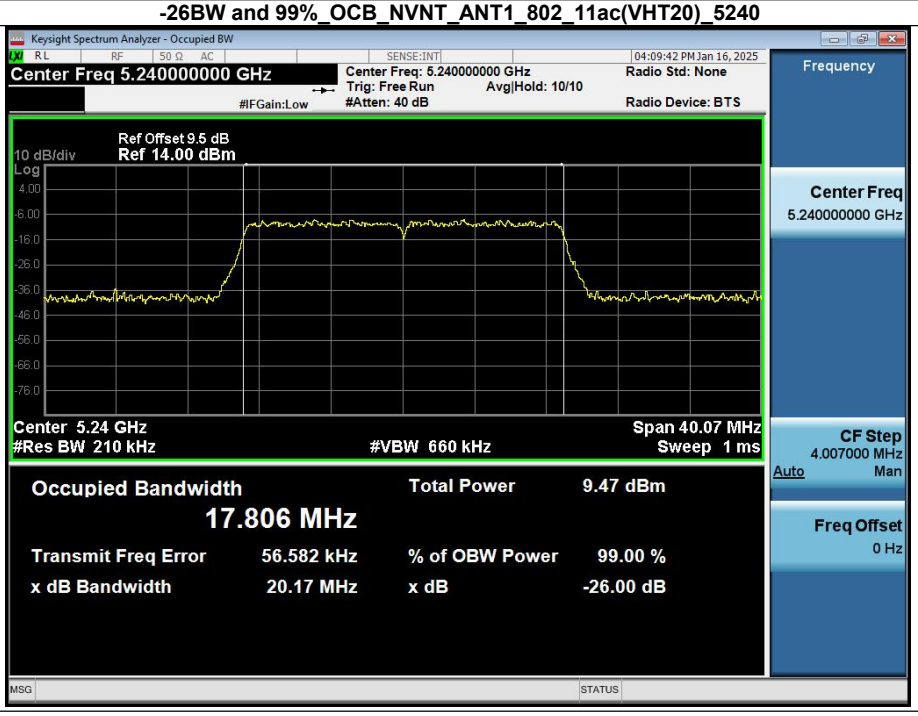
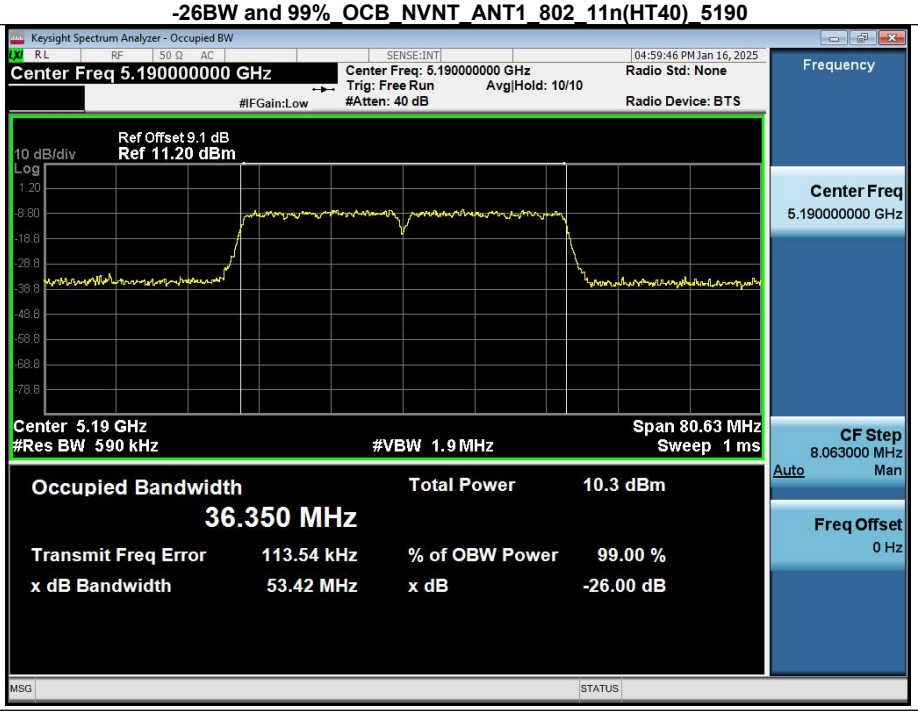


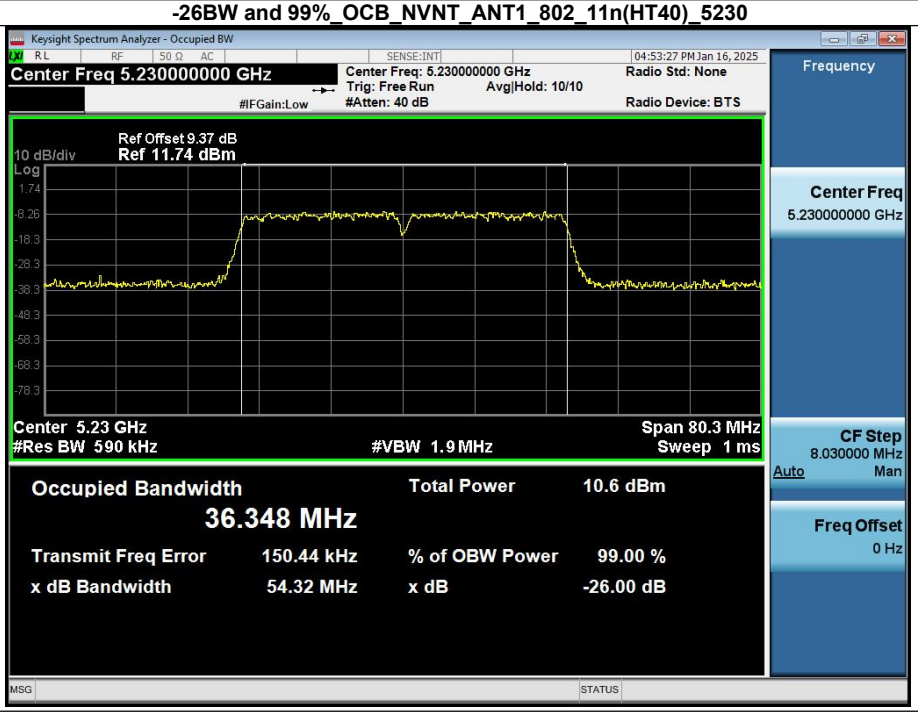
-26BW and 99%_OCB_NVNT_ANT1_802_11ac(VHT20)_5240



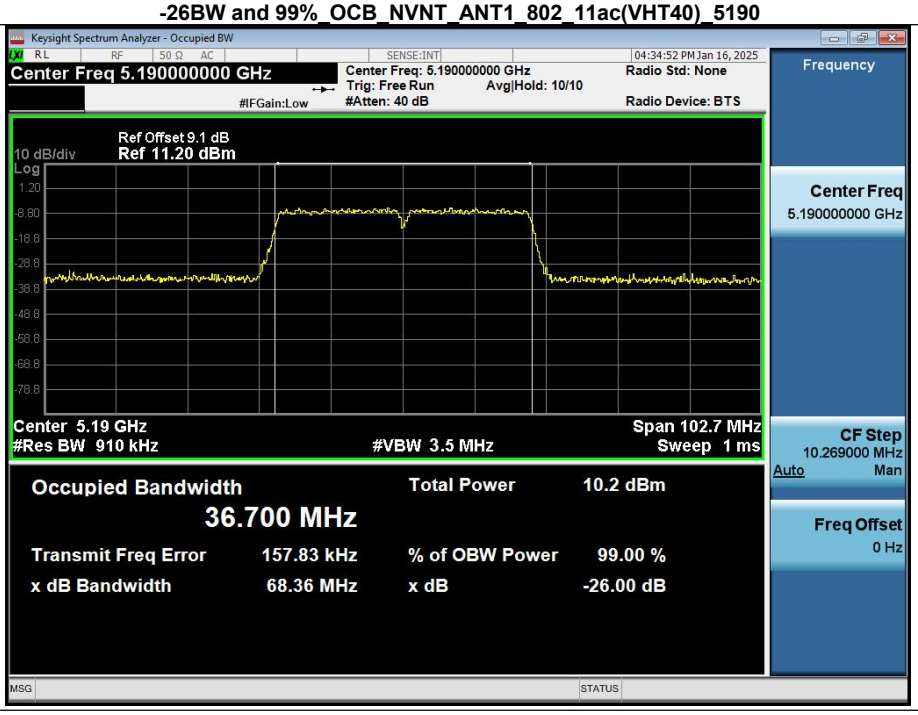
-26BW and 99%_OCB_NVNT_ANT1_802_11n(HT40)_5190



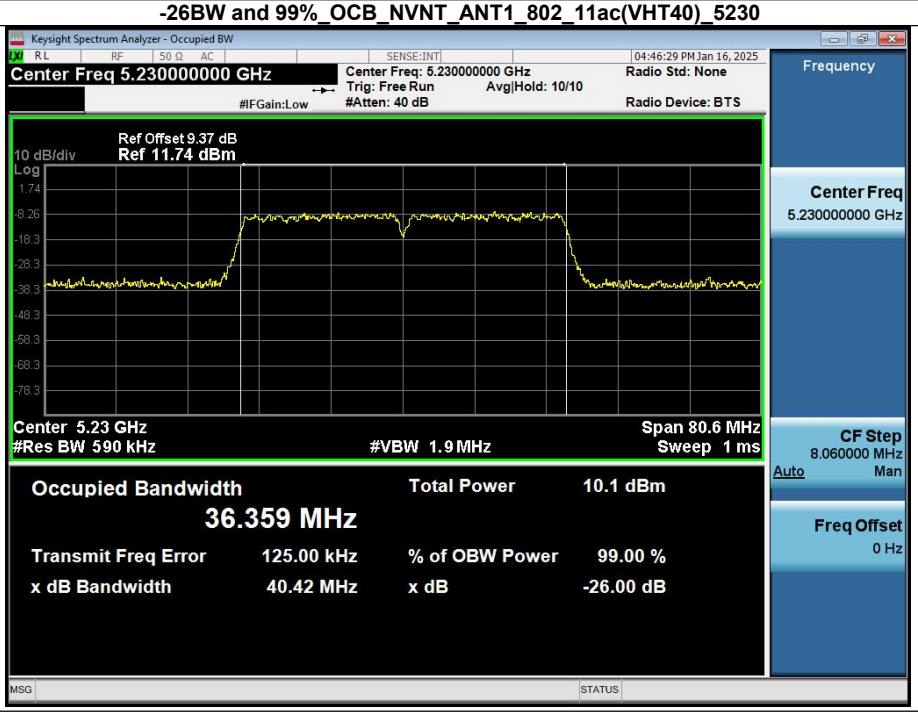
-26BW and 99%_OCB_NVNT_ANT1_802_11n(HT40)_5230



-26BW and 99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5190



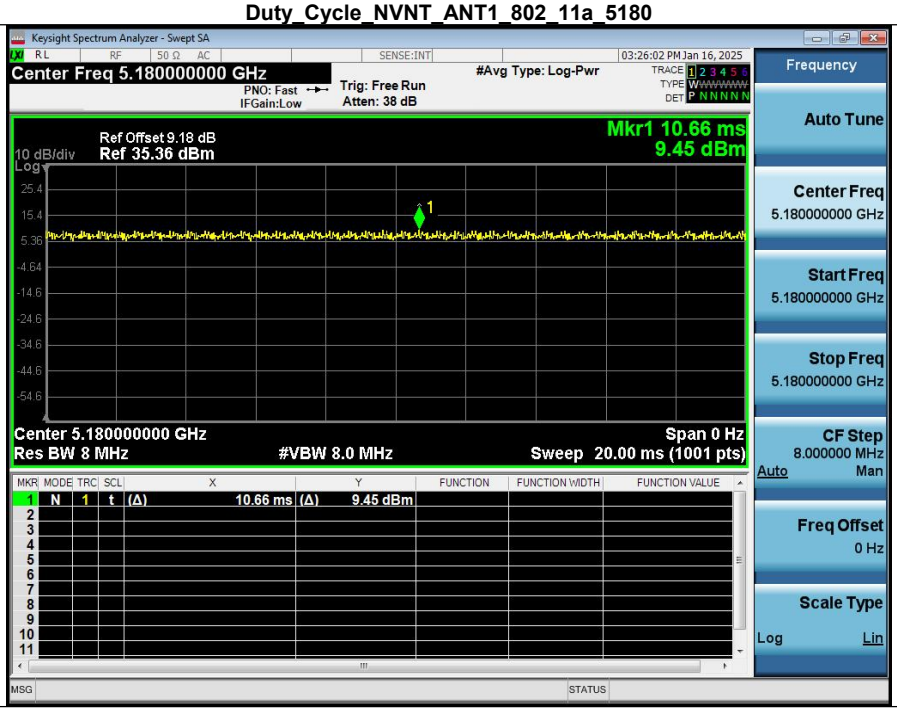
-26BW and 99%_OCB_NVNT_ANT1_802_11ac(VHT40)_5230



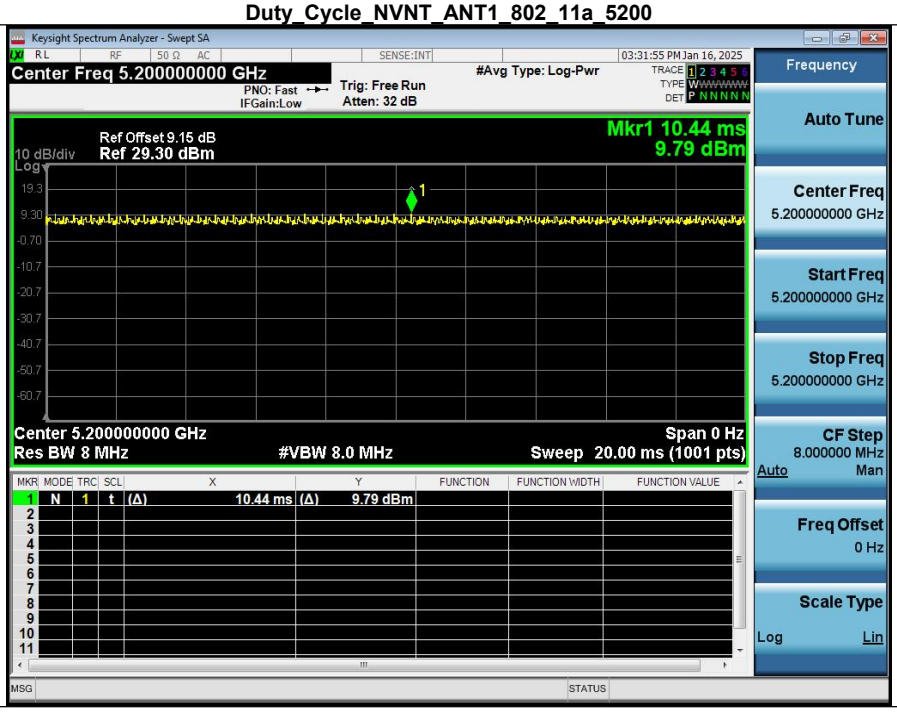
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	100	0.00
NVNT	ANT1	802.11a	5200.00	100	0.00
NVNT	ANT1	802.11a	5240.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5180.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5200.00	100	0.00
NVNT	ANT1	802.11n(HT20)	5240.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5180.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5200.00	100	0.00
NVNT	ANT1	802.11ac(VHT20)	5240.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5190.00	100	0.00
NVNT	ANT1	802.11n(HT40)	5230.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5190.00	100	0.00
NVNT	ANT1	802.11ac(VHT40)	5230.00	100	0.00

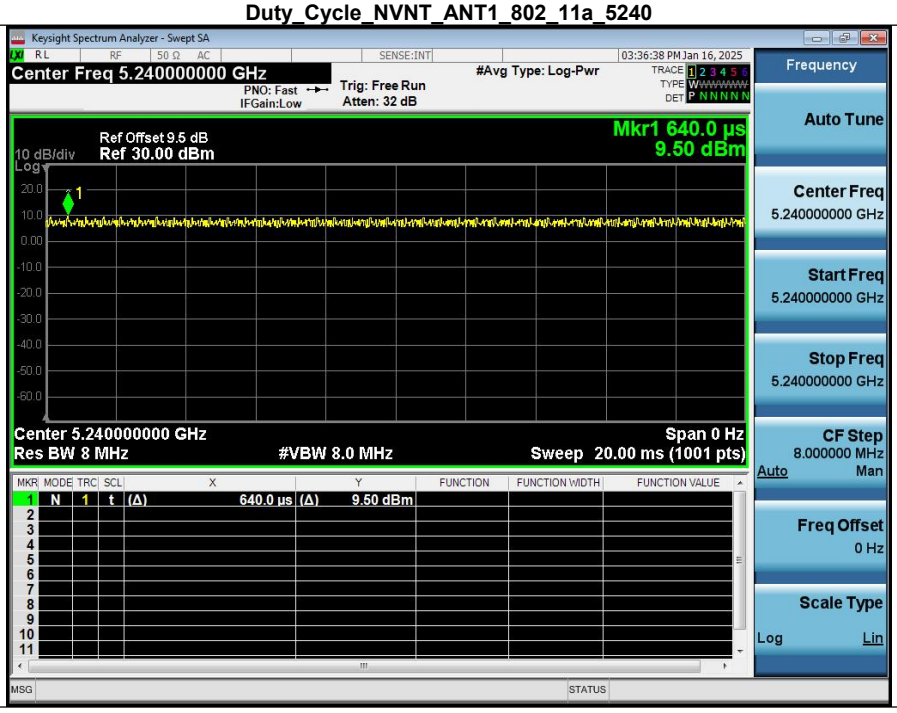
Duty_Cycle_NVNT_ANT1_802_11a_5180



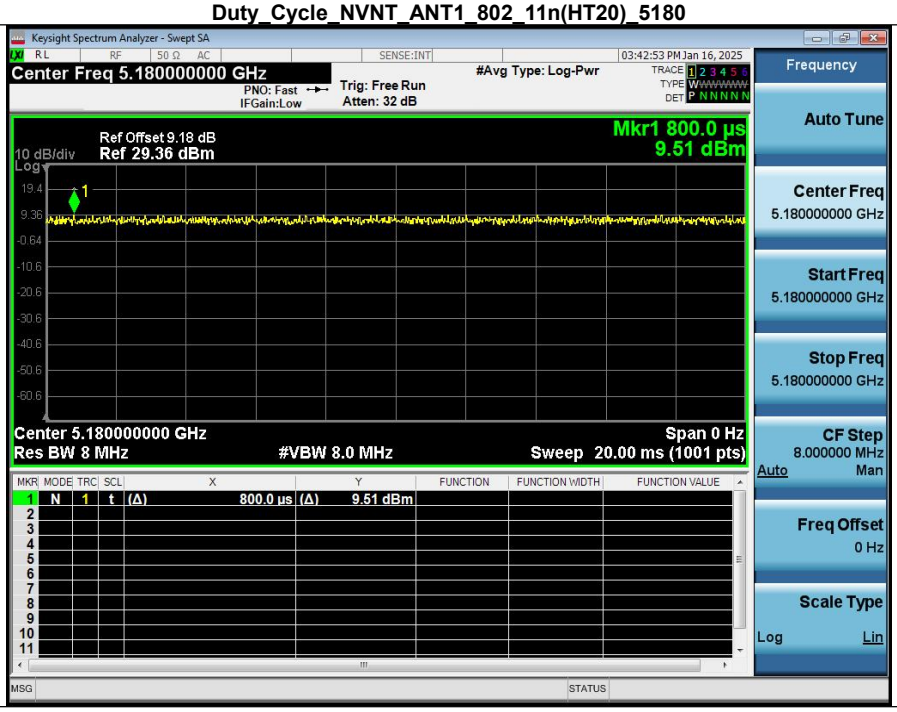
Duty_Cycle_NVNT_ANT1_802_11a_5200



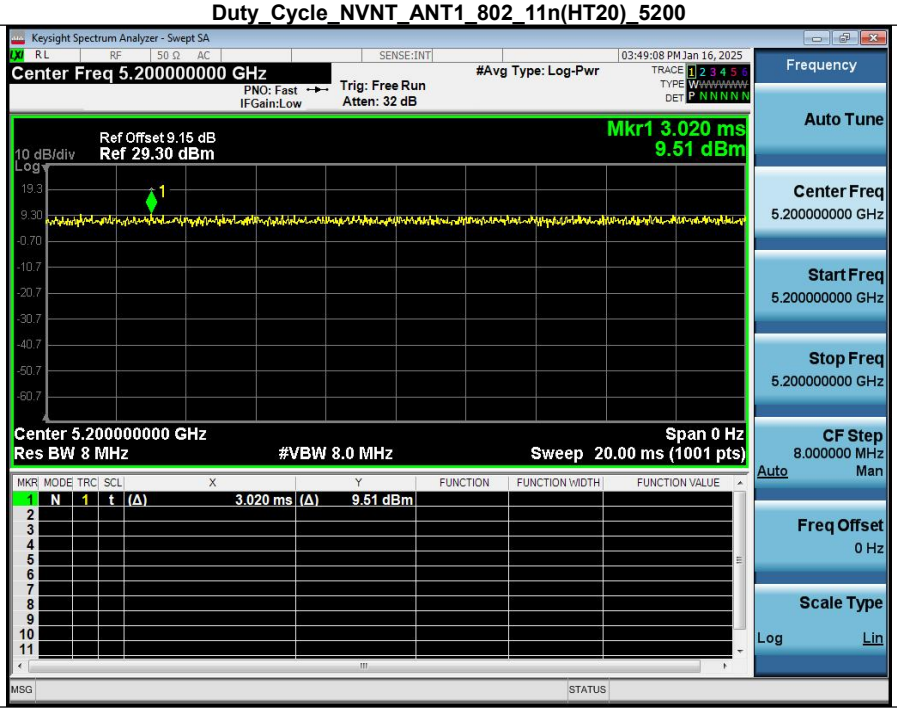
Duty_Cycle_NVNT_ANT1_802_11a_5240



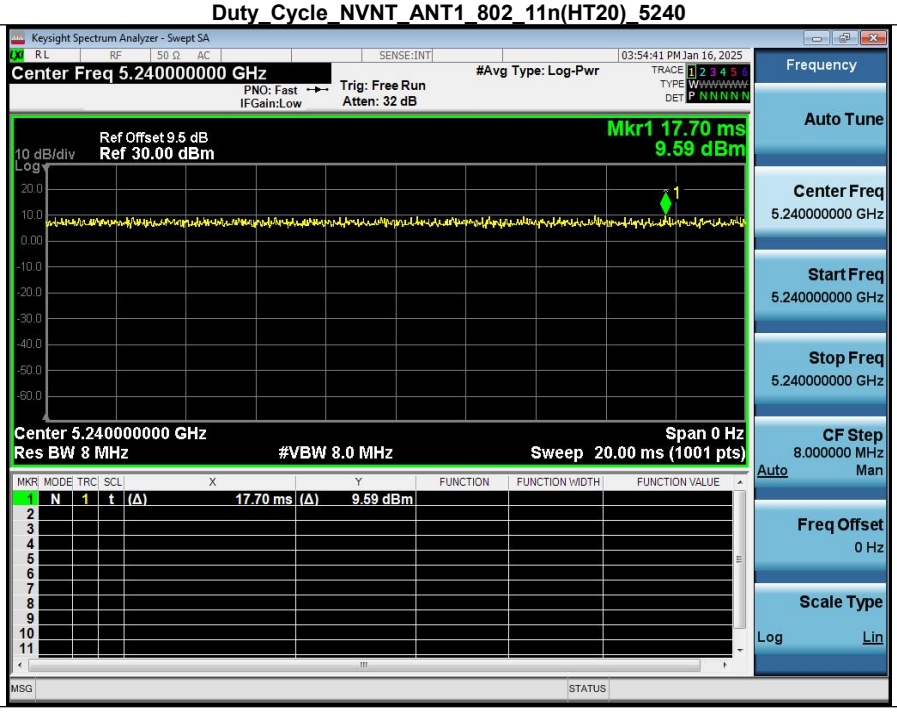
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5180



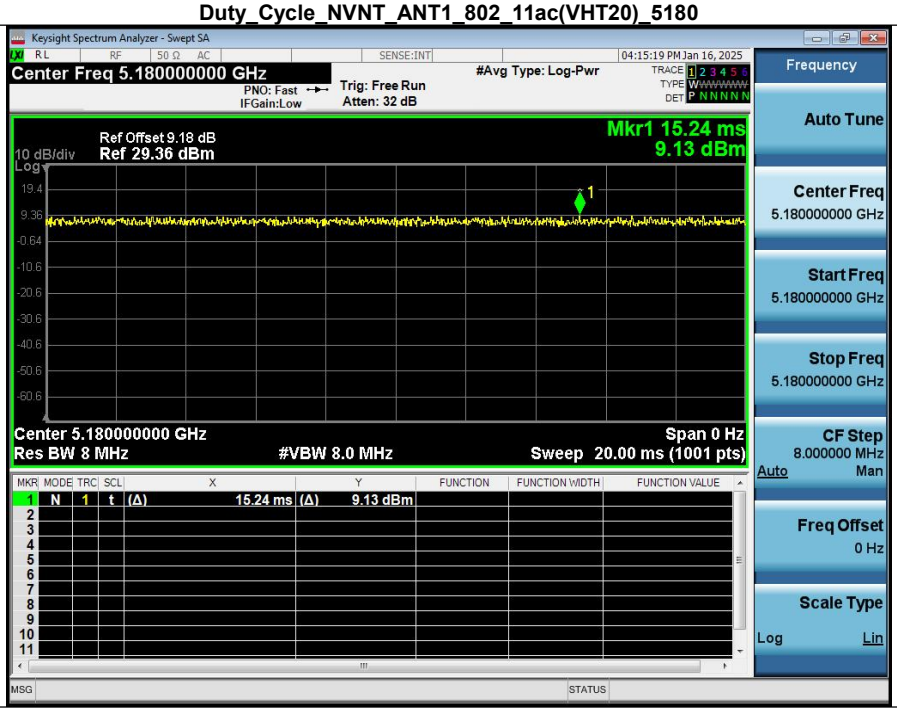
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5200



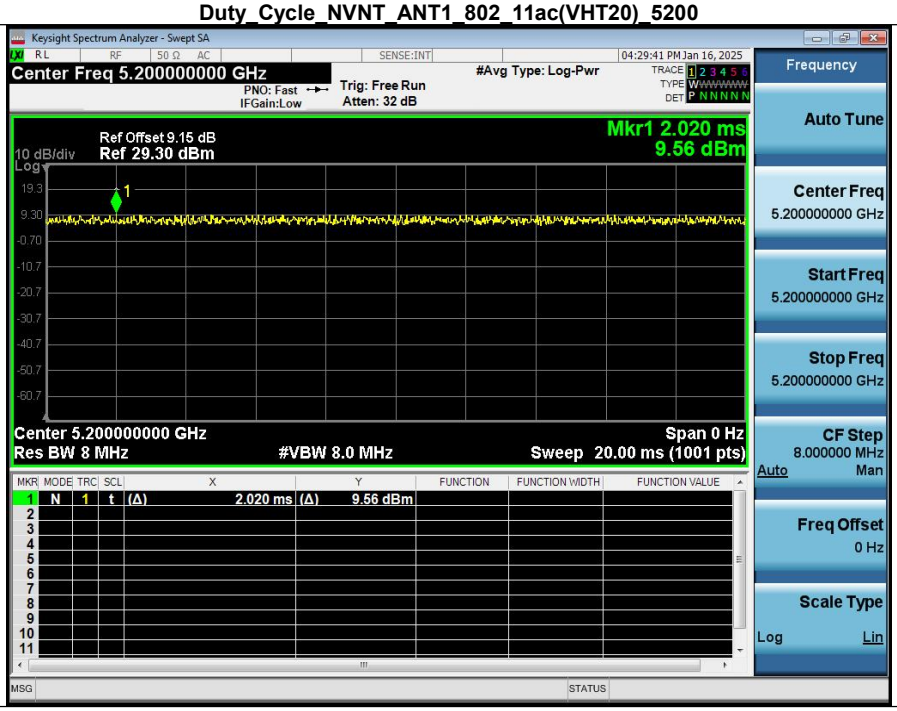
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_5240



Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5180



Duty_Cycle_NVNT_ANT1_802_11ac(VHT20)_5200



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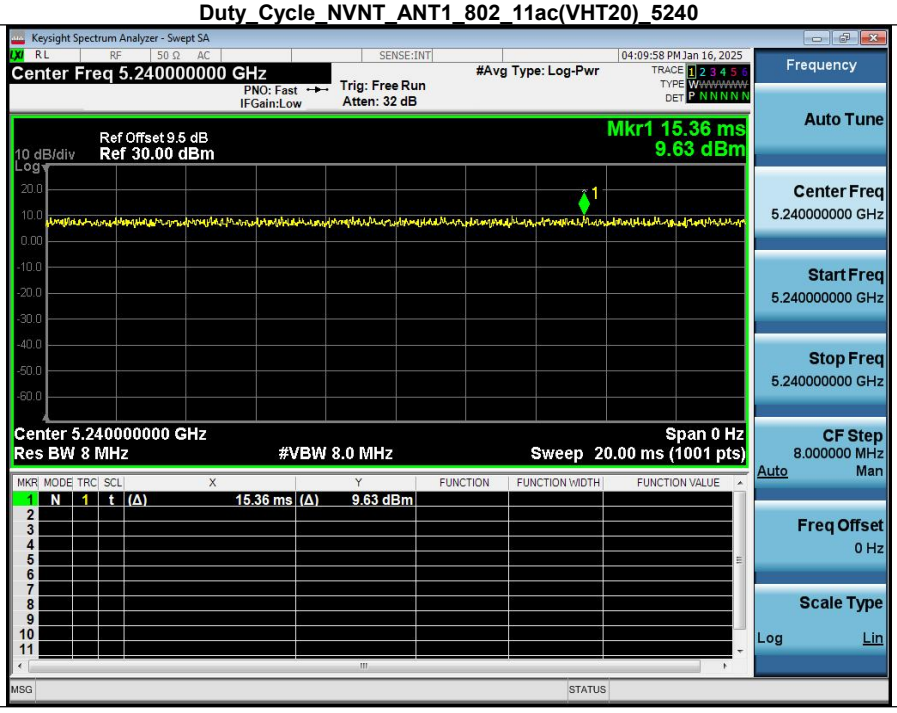
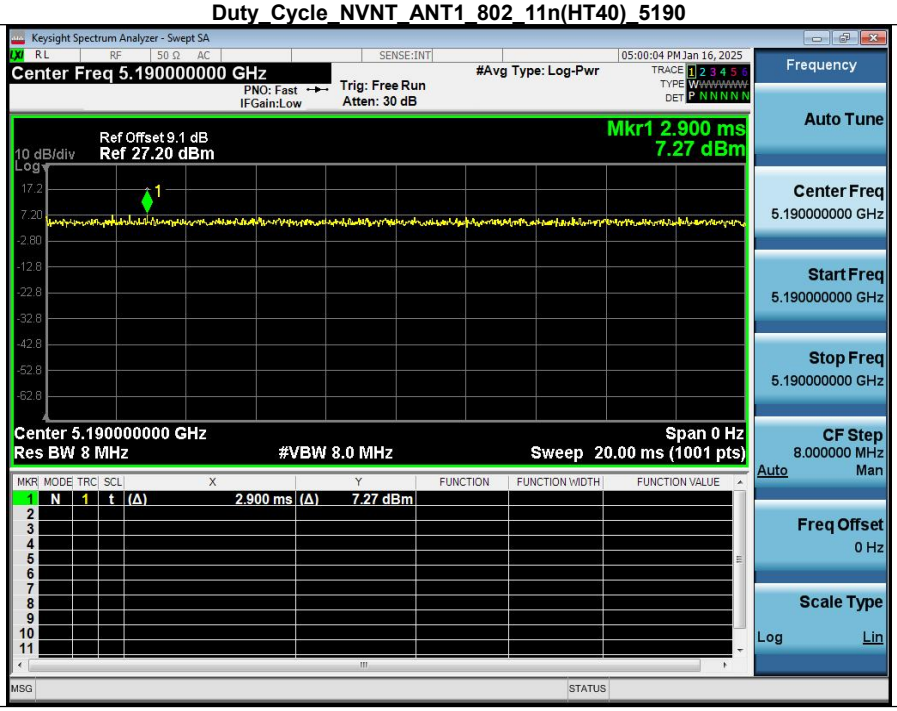
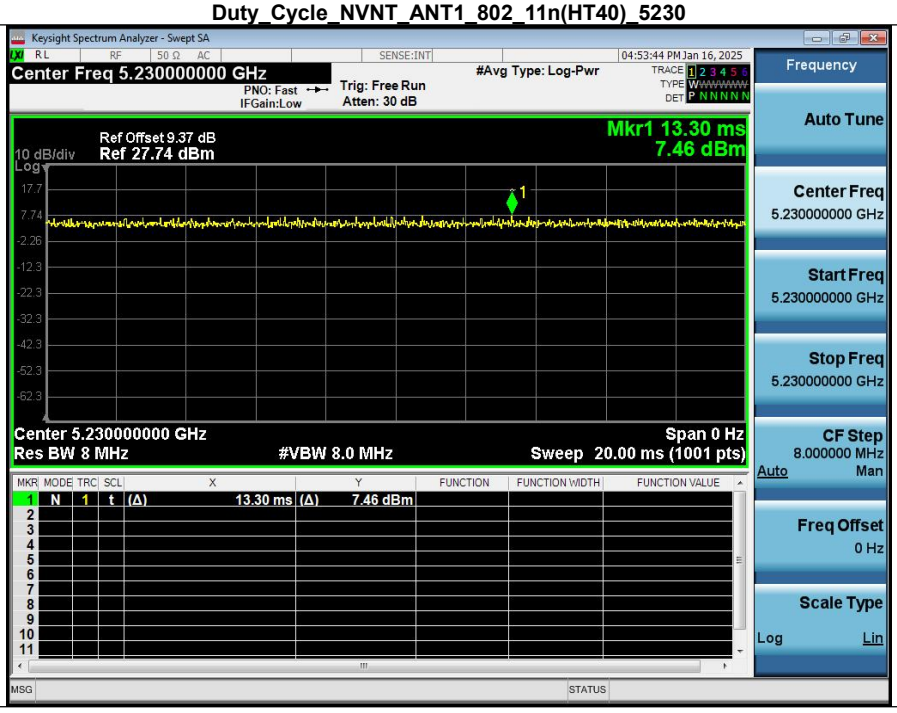


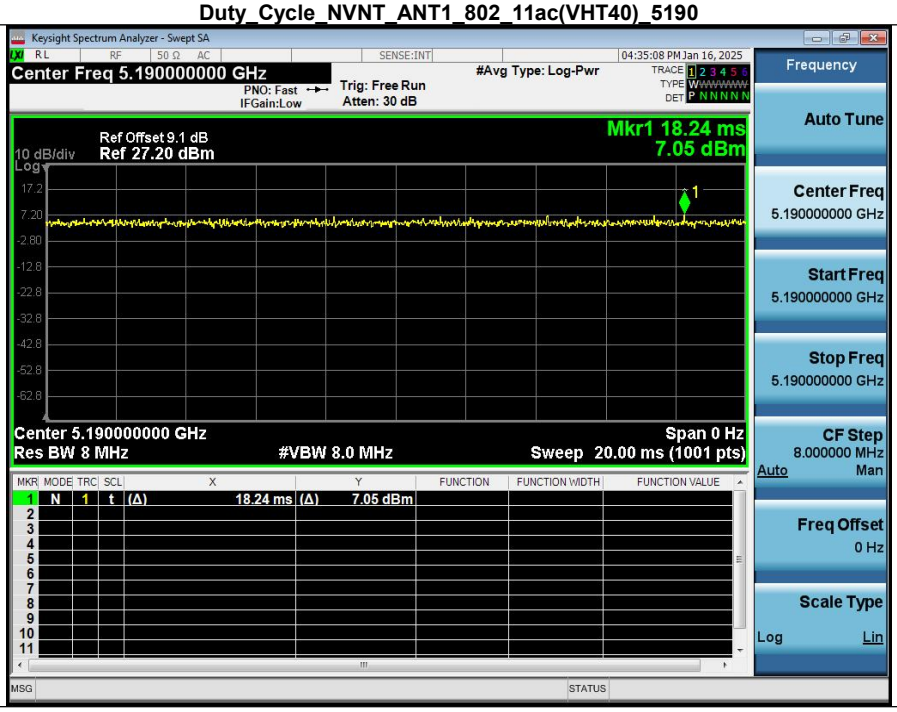
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5190



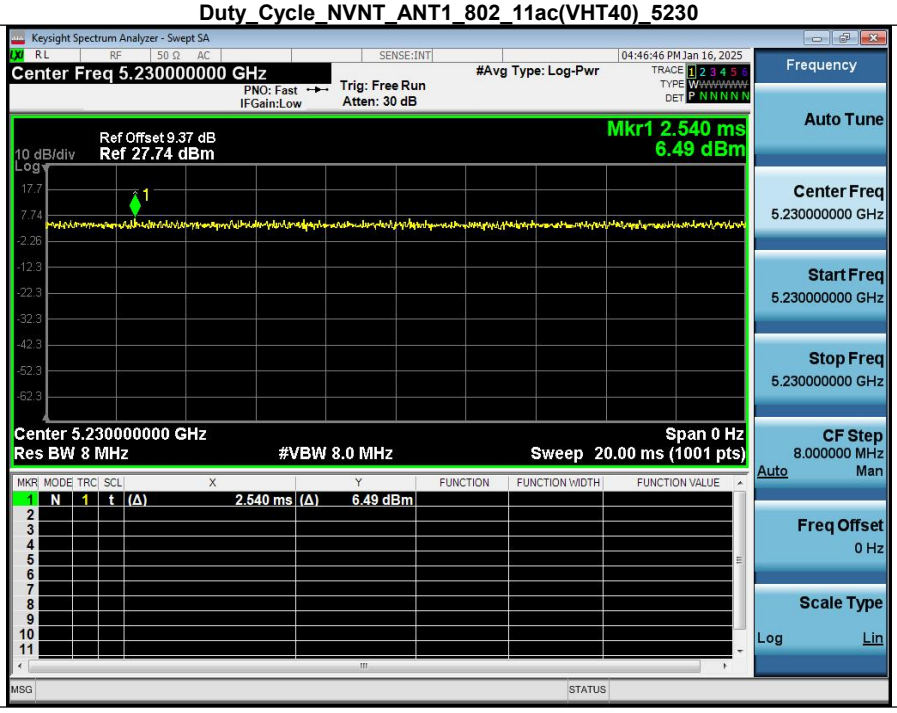
Duty_Cycle_NVNT_ANT1_802_11n(HT40)_5230



Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5190



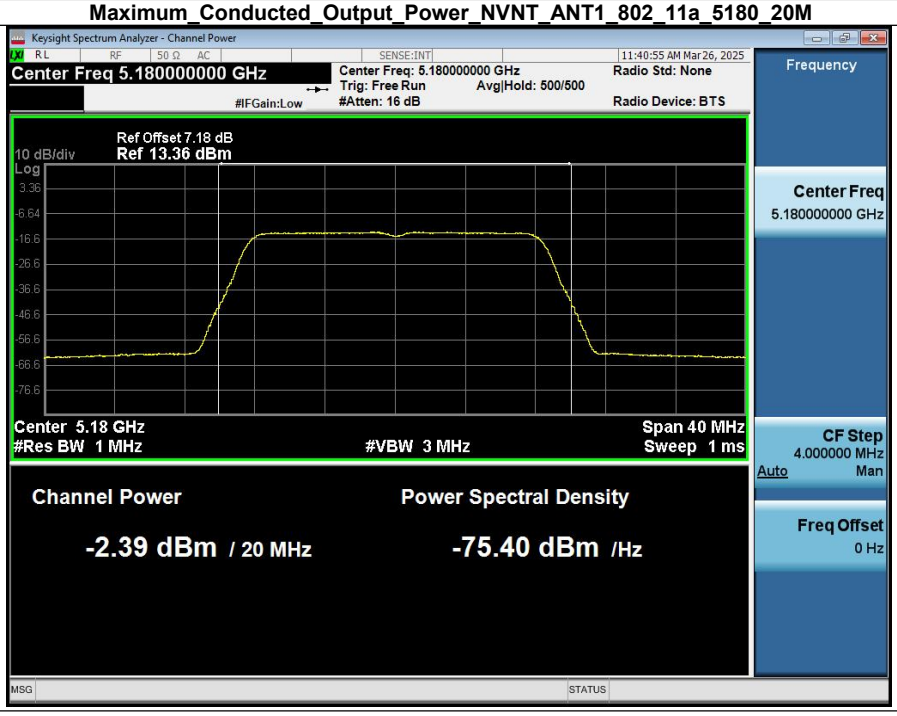
Duty_Cycle_NVNT_ANT1_802_11ac(VHT40)_5230



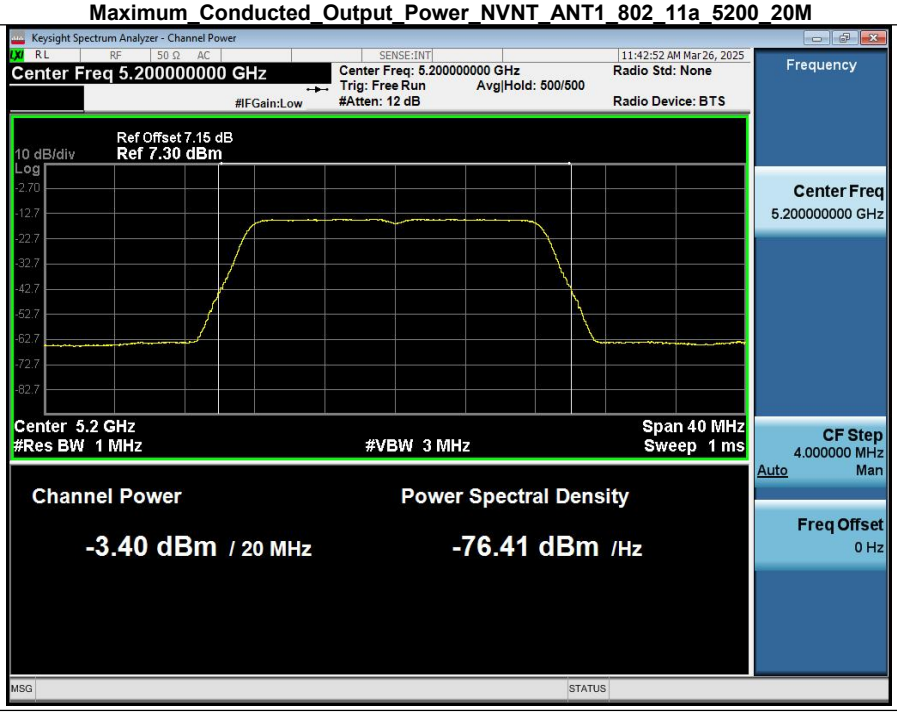
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-2.39	0.00	-2.39	24	Pass
NVNT	ANT1	802.11a	5200.00	-3.40	0.00	-3.40	24	Pass
NVNT	ANT1	802.11a	5240.00	-2.95	0.00	-2.95	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-3.20	0.00	-3.20	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-3.42	0.00	-3.42	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-2.96	0.00	-2.96	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-3.33	0.00	-3.33	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-3.45	0.00	-3.45	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-3.01	0.00	-3.01	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-3.34	0.00	-3.34	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-3.02	0.00	-3.02	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-3.27	0.00	-3.27	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-2.99	0.00	-2.99	24	Pass

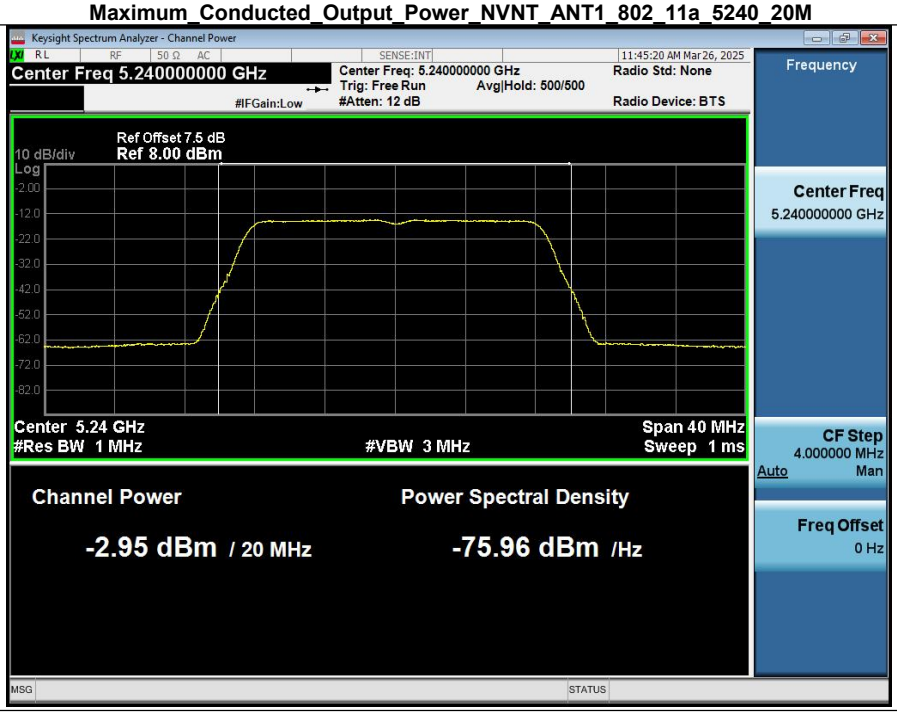
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5180_20M



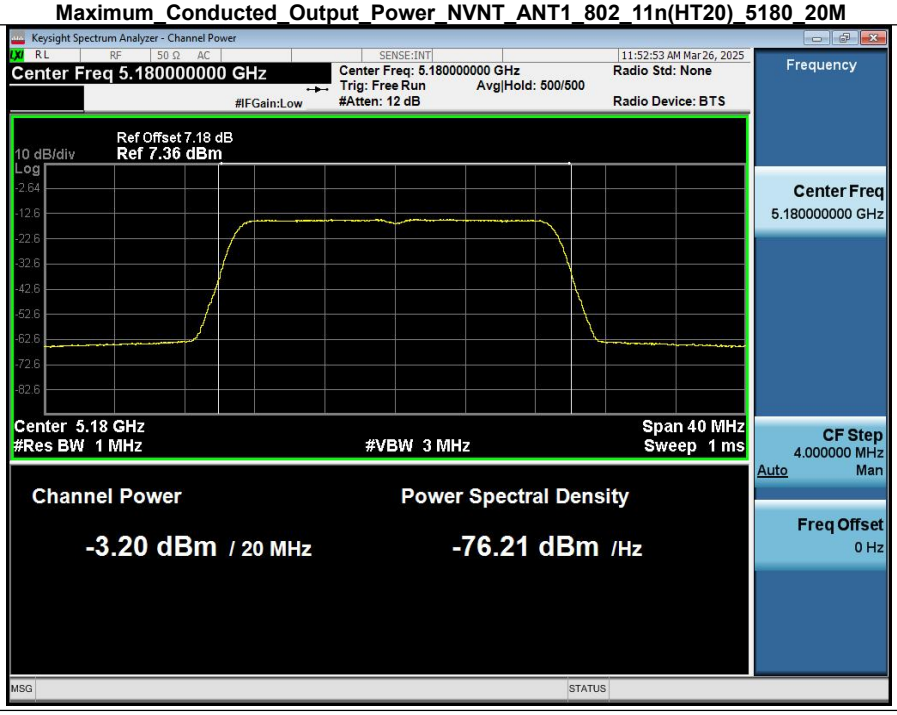
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5200_20M



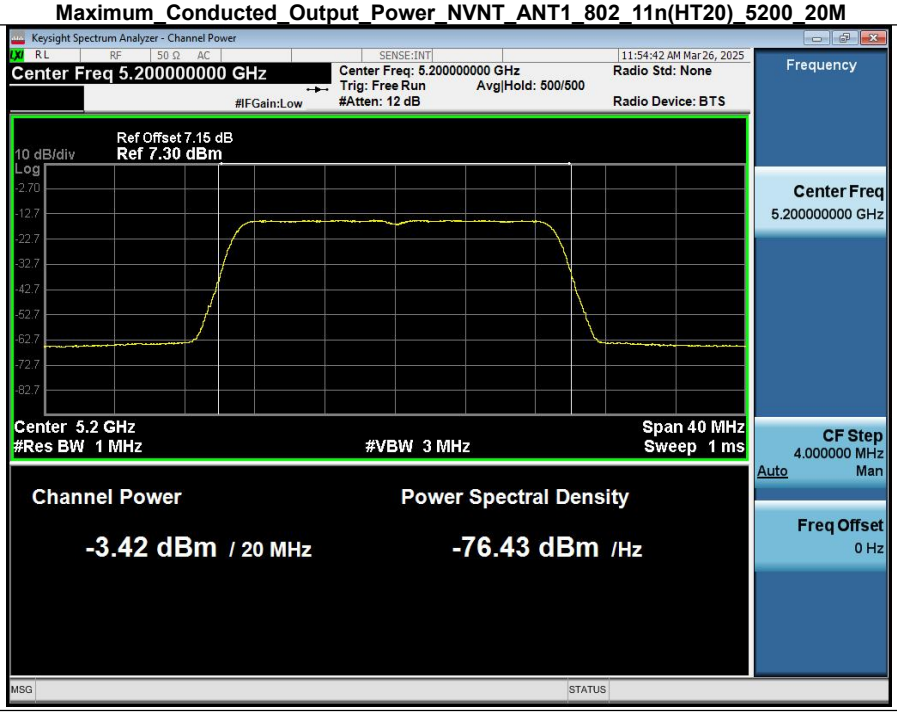
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11a_5240_20M



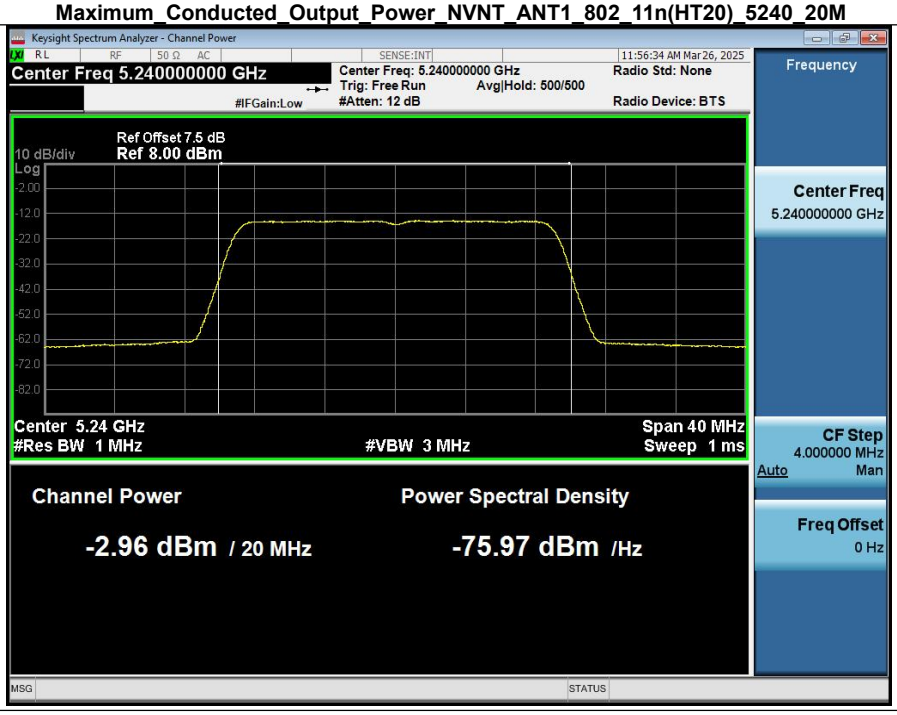
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5180_20M



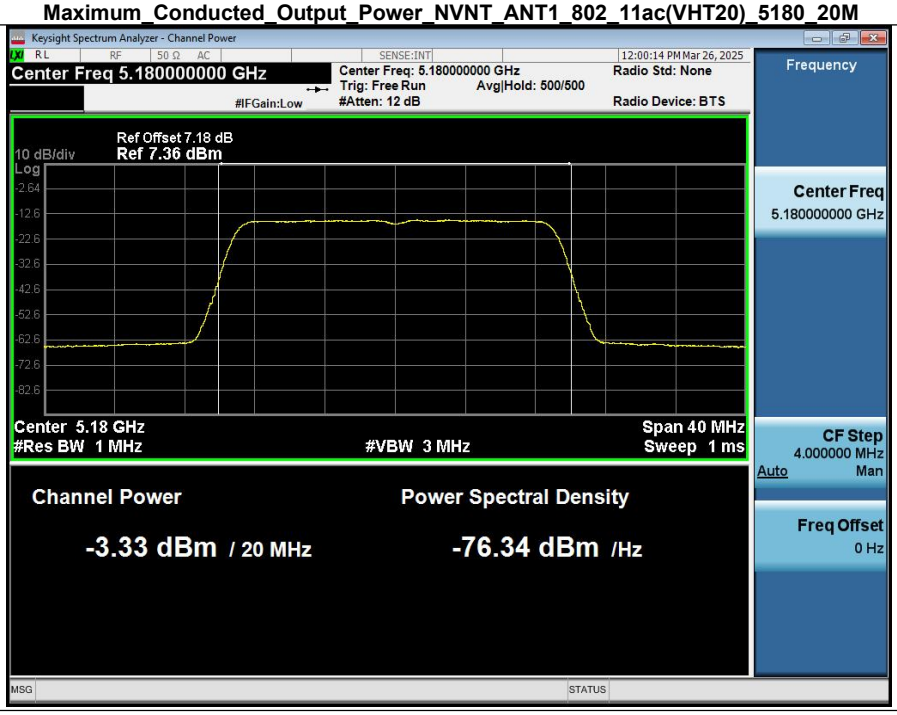
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5200_20M



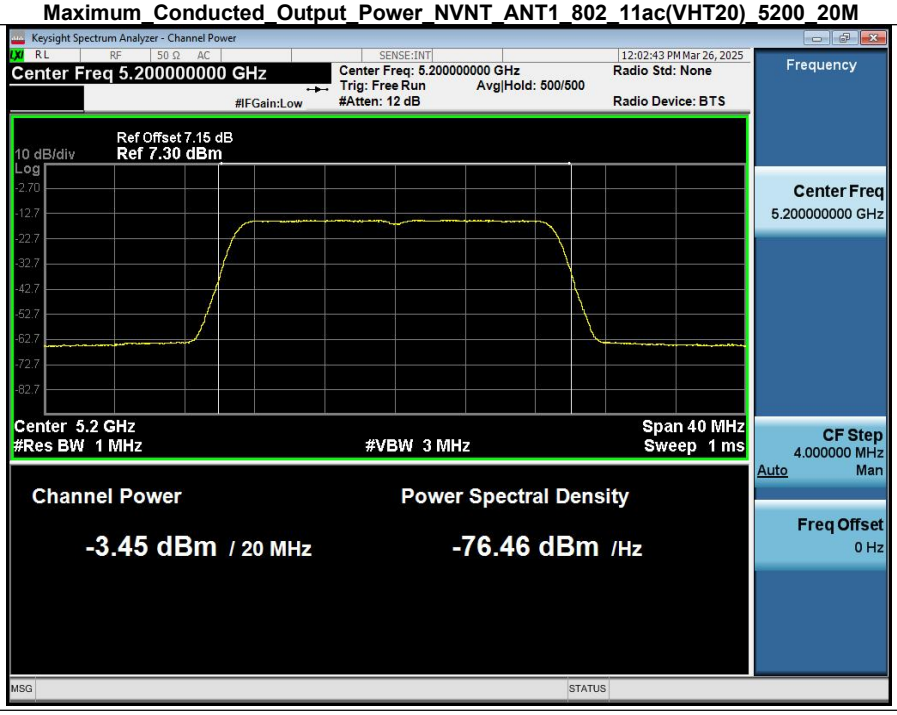
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT20)_5240_20M



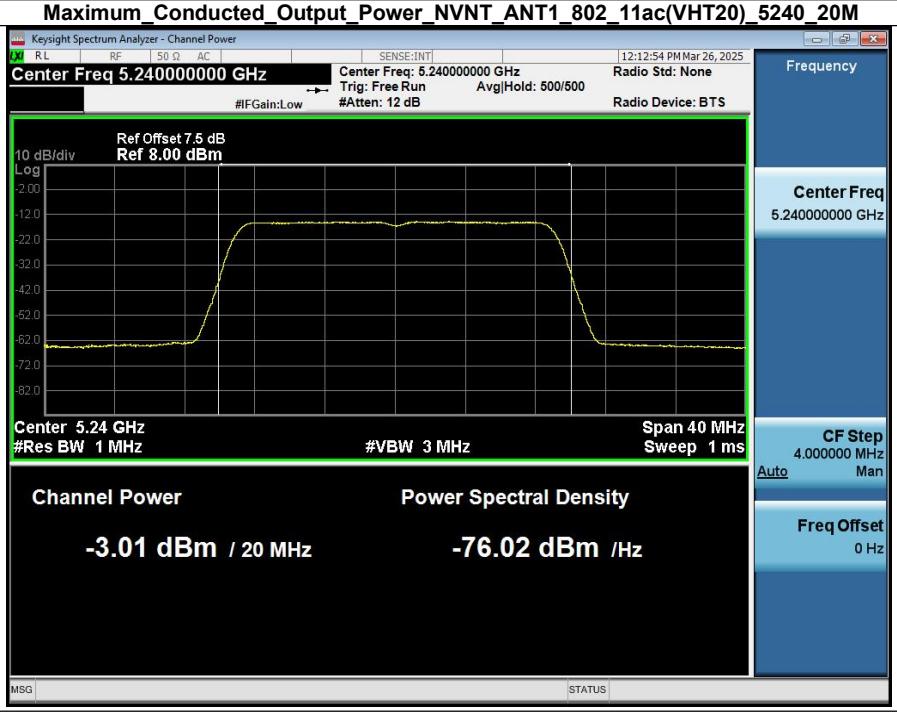
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5180_20M



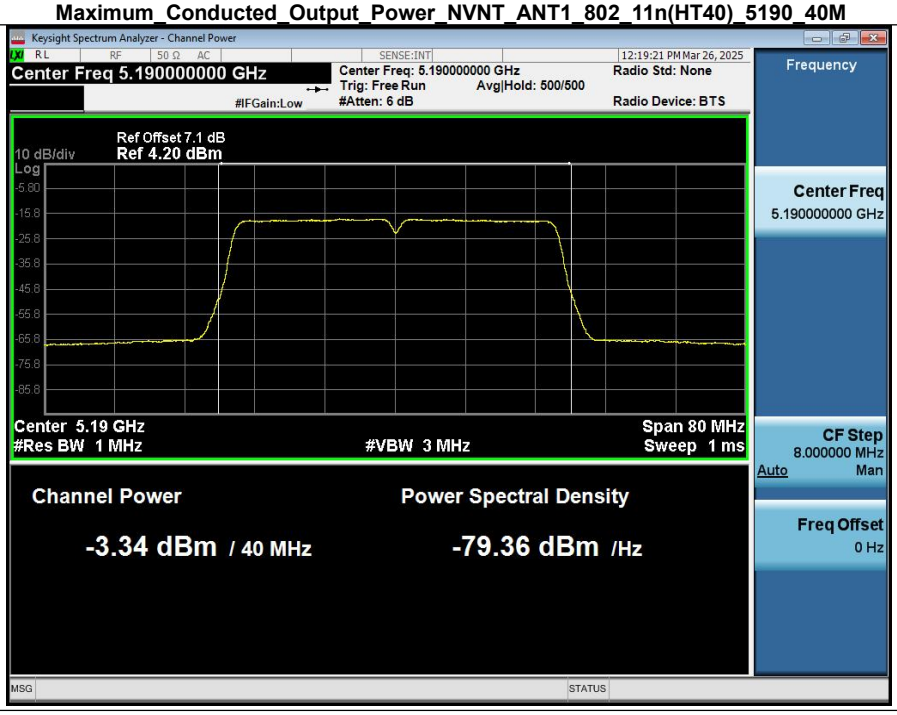
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5200_20M



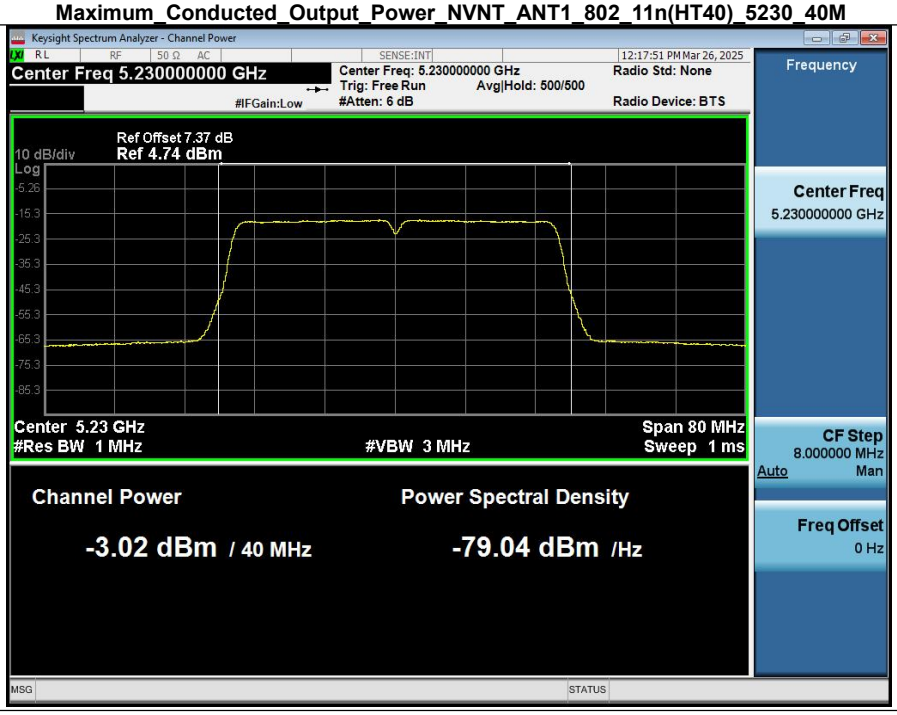
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT20)_5240_20M



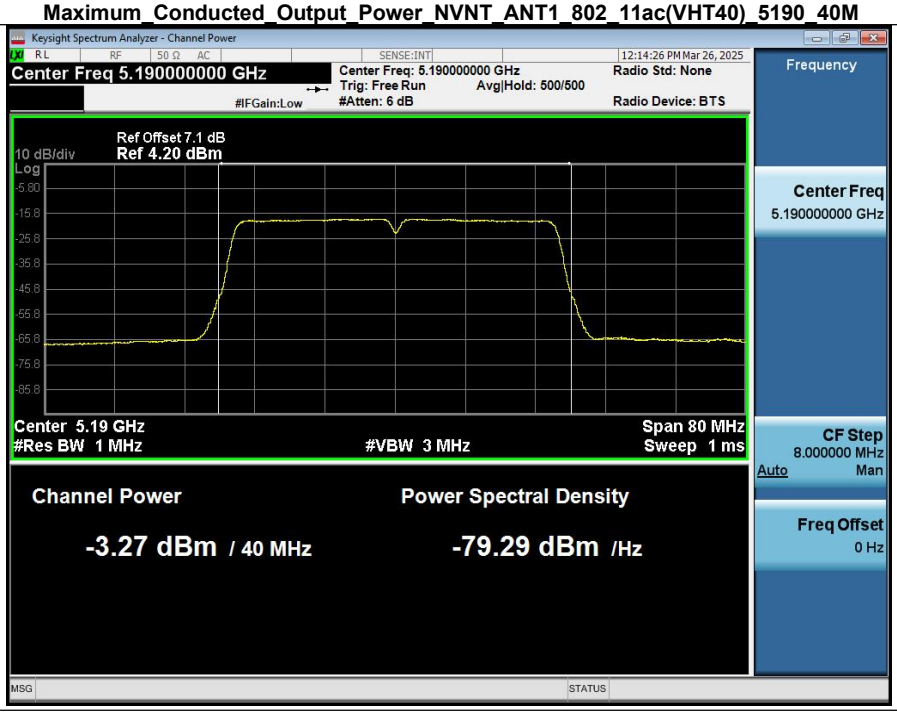
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5190_40M



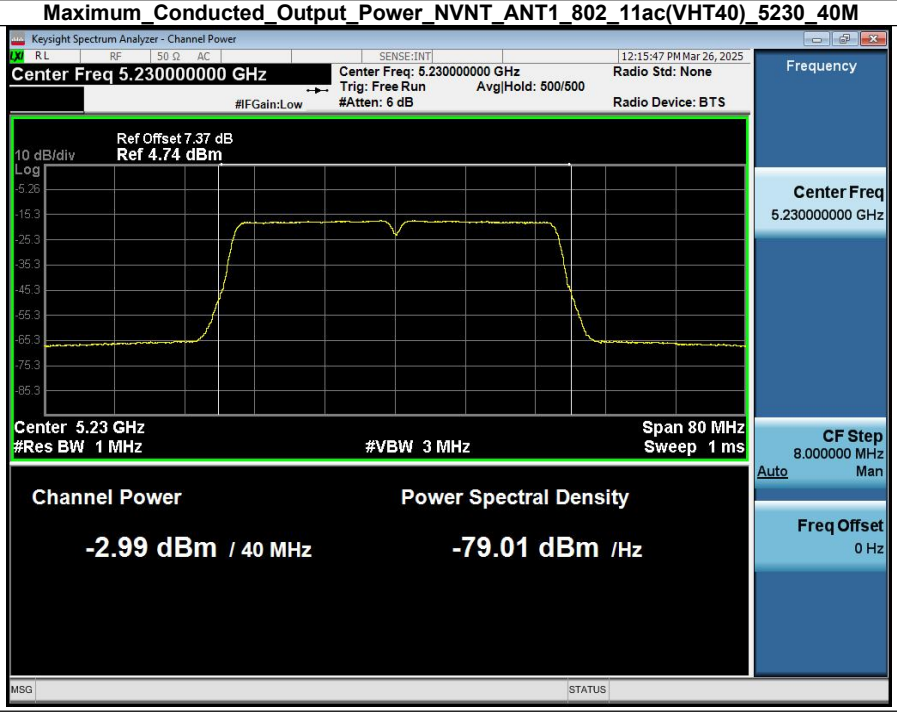
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11n(HT40)_5230_40M



Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5190_40M



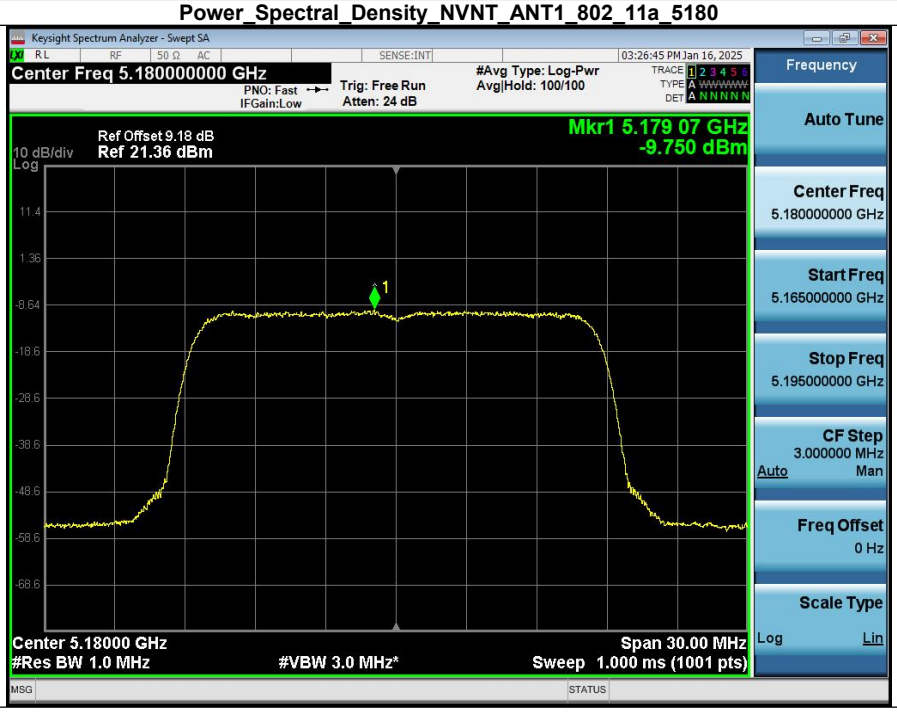
Maximum_Conducted_Output_Power_NVNT_ANT1_802_11ac(VHT40)_5230_40M



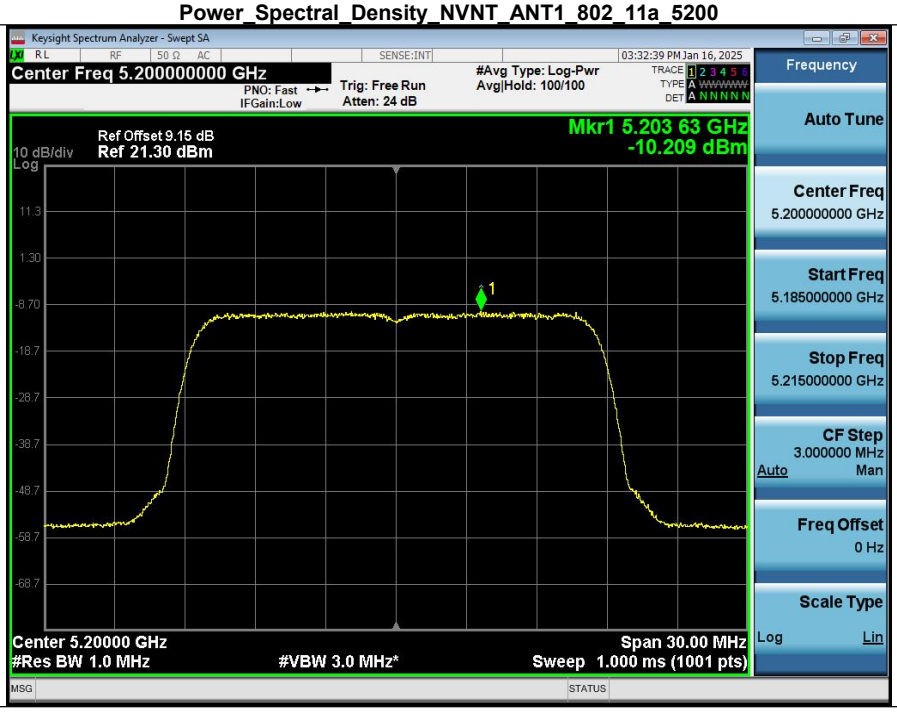
4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	-9.75	0.00	-9.75	11	Pass
NVNT	ANT1	802.11a	5200.00	-10.21	0.00	-10.21	11	Pass
NVNT	ANT1	802.11a	5240.00	-10.35	0.00	-10.35	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	-10.42	0.00	-10.42	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	-10.61	0.00	-10.61	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	-10.72	0.00	-10.72	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-10.90	0.00	-10.90	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	-10.63	0.00	-10.63	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	-10.56	0.00	-10.56	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-12.83	0.00	-12.83	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-12.55	0.00	-12.55	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-12.85	0.00	-12.85	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-12.50	0.00	-12.50	11	Pass

Power_Spectral_Density_NVNT_ANT1_802_11a_5180



Power_Spectral_Density_NVNT_ANT1_802_11a_5200



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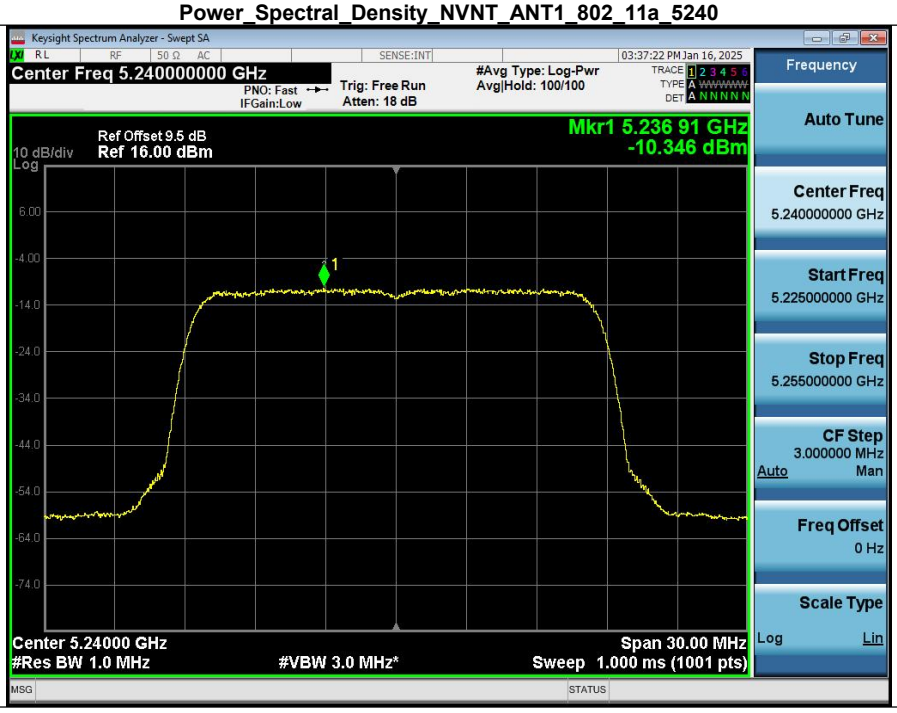
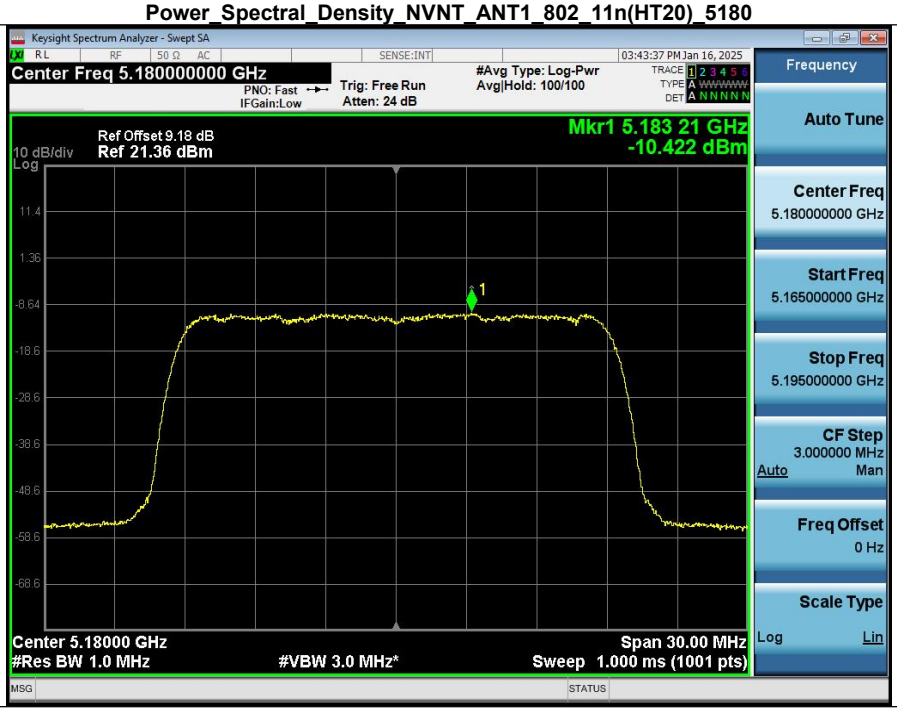
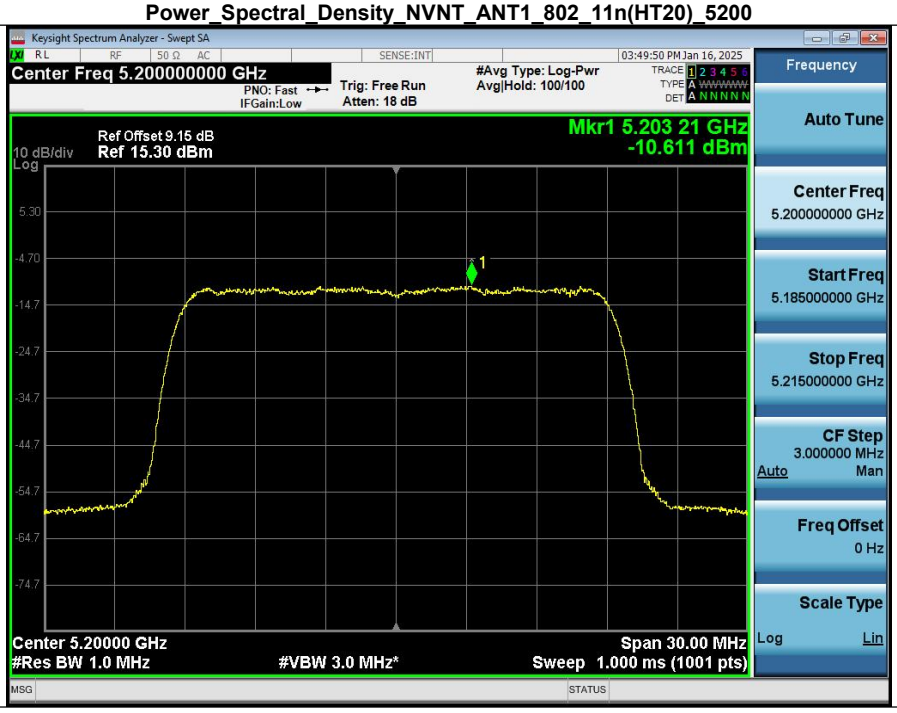


Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_5180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