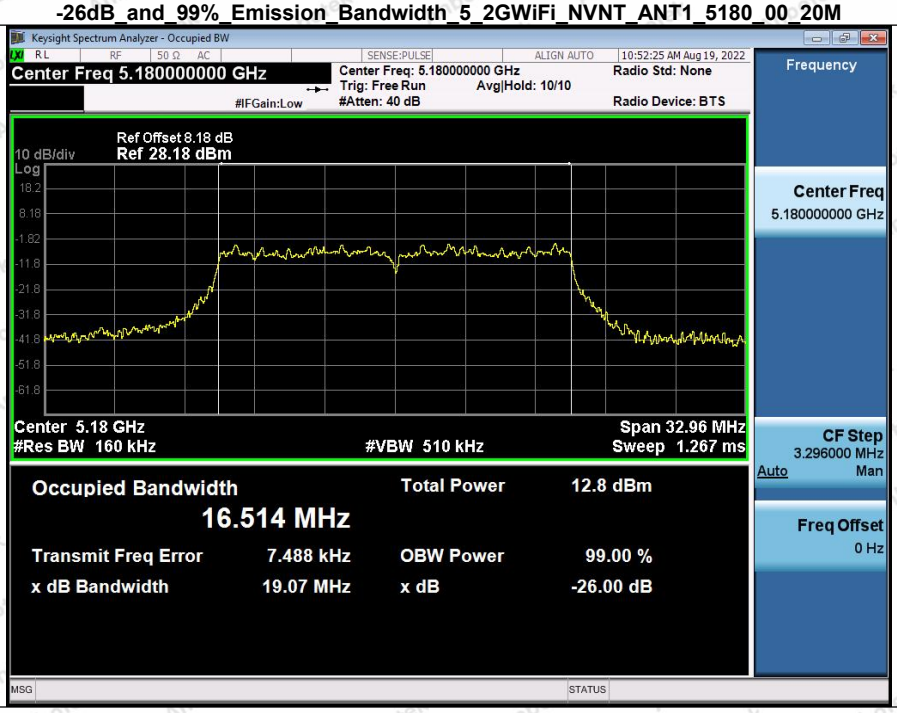
Appendix Test Data

Report No.:	78340WC20001602	Test Date:	2022.08.19~2022.09.08
Test Engineer:	QingPeng	Auditor:	Andy wang
Temperature:	24.3℃	Relative Humidity:	56.2%
Pressure:	1012 hPa		

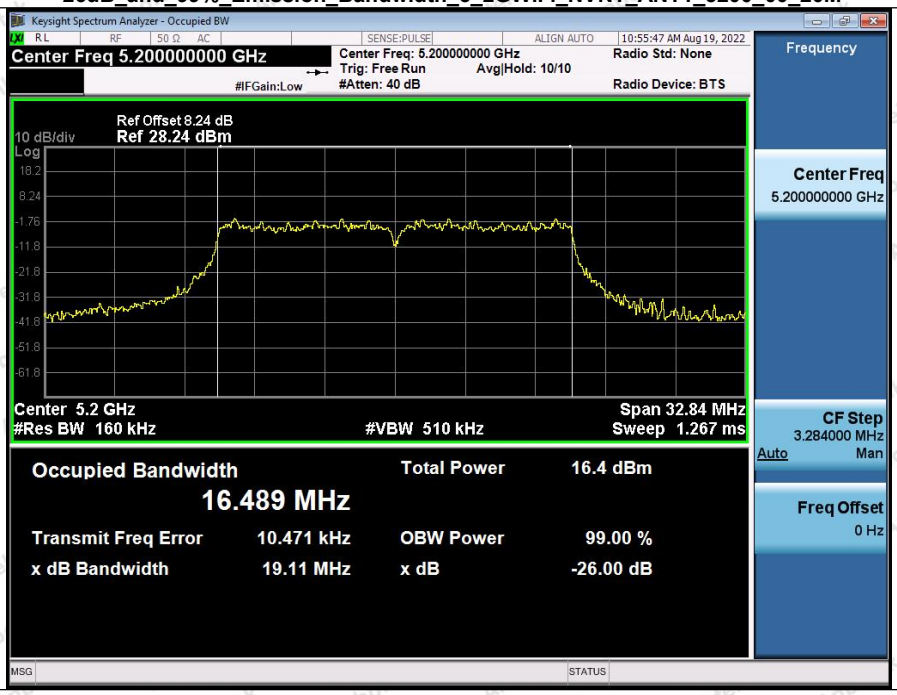
1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	19.07	16.51
NVNT	ANT1	802.11a	5200.00	19.11	16.49
NVNT	ANT1	802.11a	5240.00	18.87	16.49
NVNT	ANT1	802.11n(HT20)	5180.00	19.55	17.68
NVNT	ANT1	802.11n(HT20)	5200.00	20.01	17.64
NVNT	ANT1	802.11n(HT20)	5240.00	19.86	17.68
NVNT	ANT1	802.11ac(VHT20)	5180.00	19.41	17.65
NVNT	ANT1	802.11ac(VHT20)	5200.00	19.73	17.65
NVNT	ANT1	802.11ac(VHT20)	5240.00	19.56	17.69
NVNT	ANT1	802.11n(HT40)	5190.00	41.19	36.21
NVNT	ANT1	802.11n(HT40)	5230.00	41.54	36.25
NVNT	ANT1	802.11ac(VHT40)	5190.00	40.66	36.19
NVNT	ANT1	802.11ac(VHT40)	5230.00	42.13	36.33
NVNT	ANT1	802.11ac(VHT80)	5210.00	82.44	76.19

-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5180_00_20M

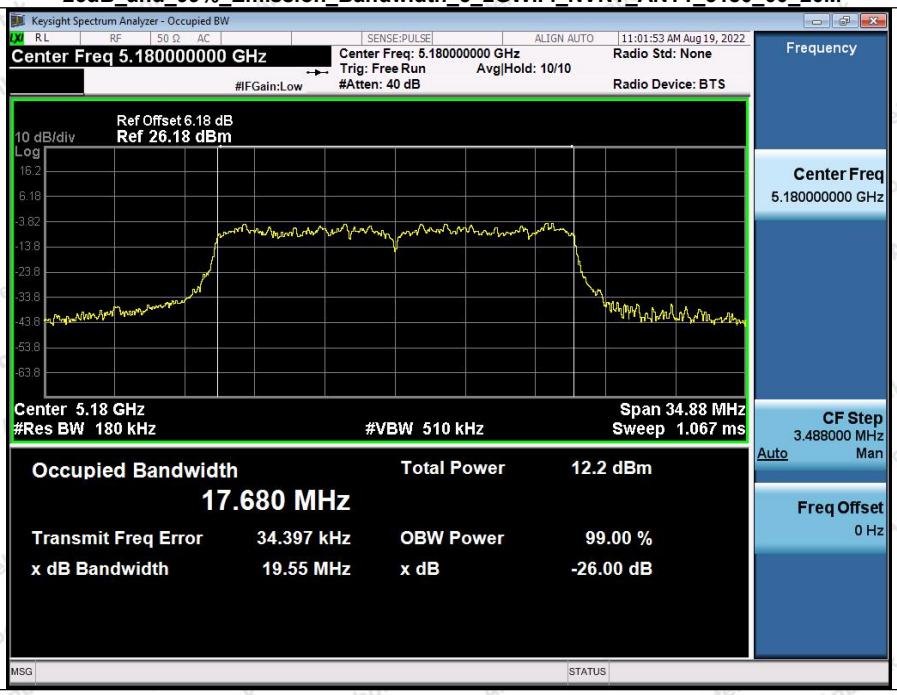


-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5200_00_20M



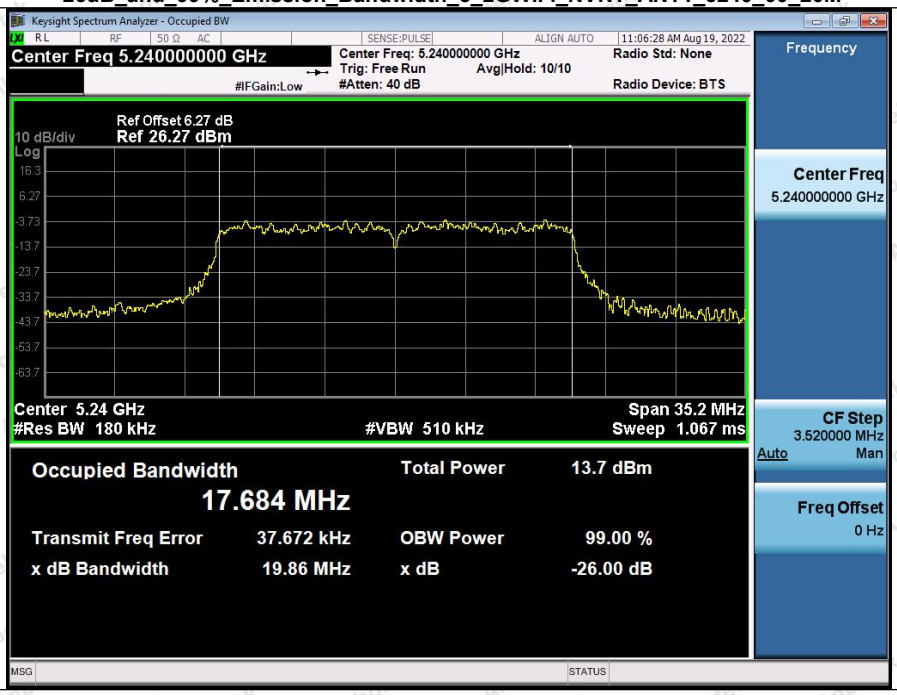
-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5240_00_20M

-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5180_00_20M



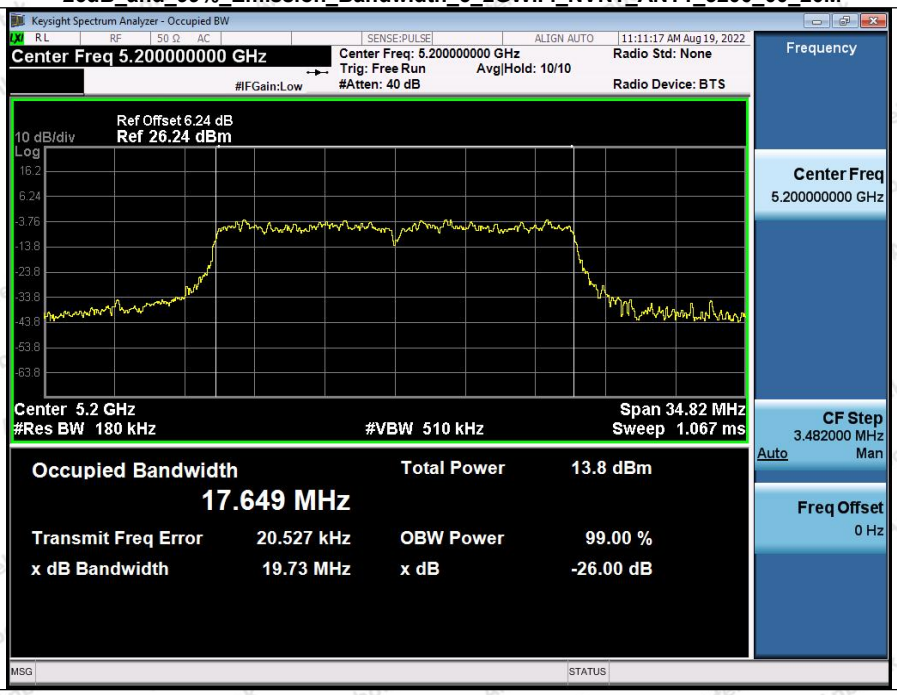
-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5200_00_20M

-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5240_00_20M



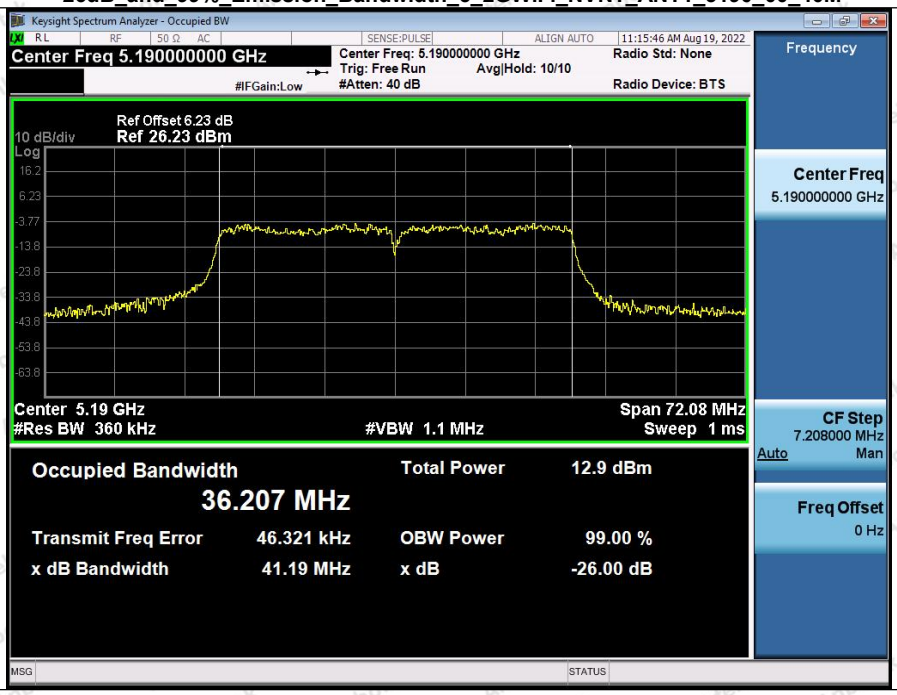
-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5180_00_20M

-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5200_00_20M

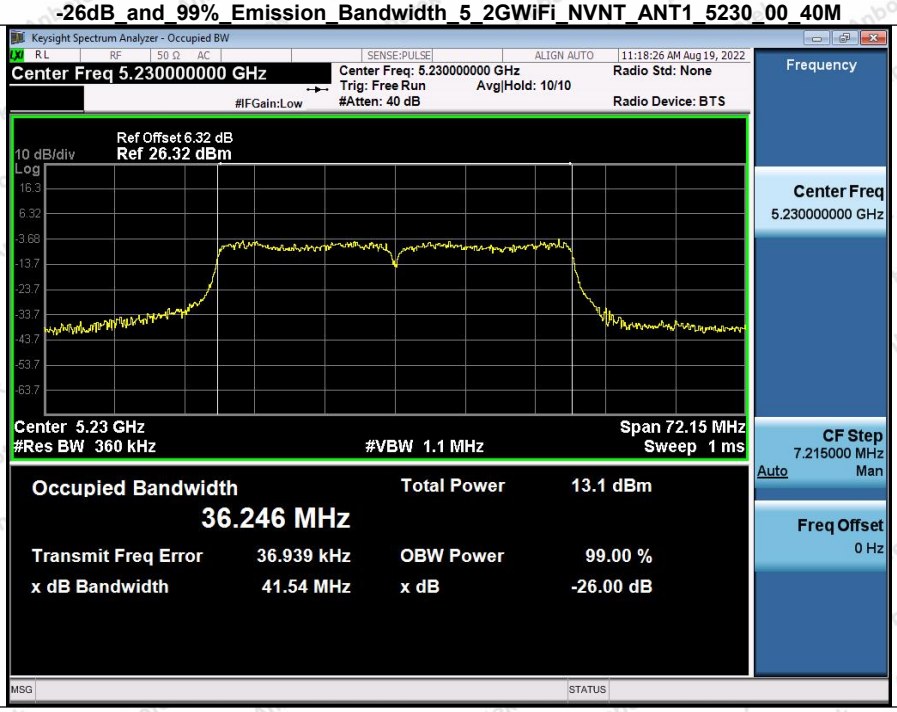


-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5240_00_20M

-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5190_00_40M



-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5230_00_40M



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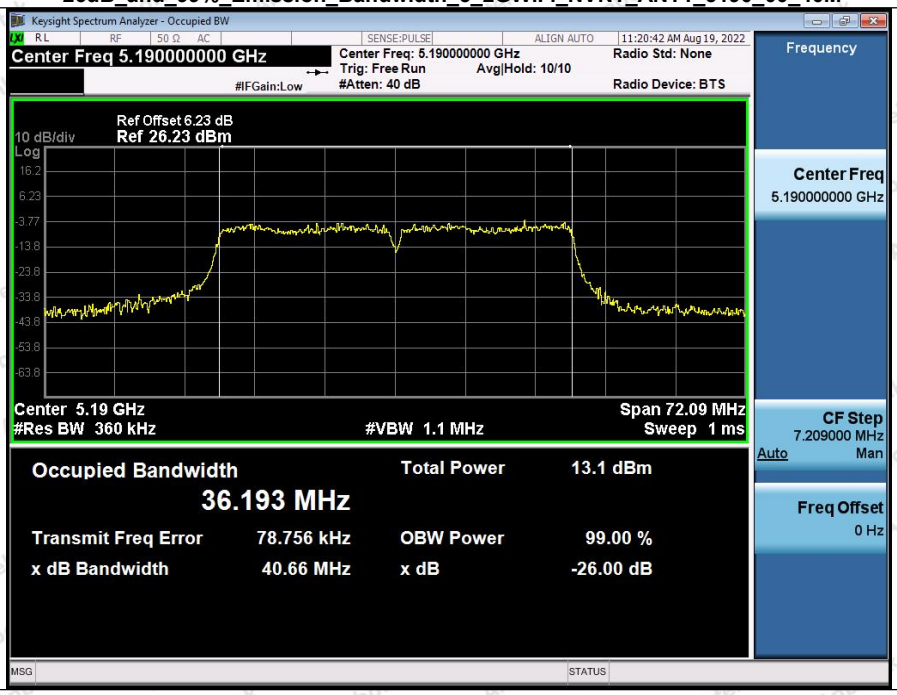
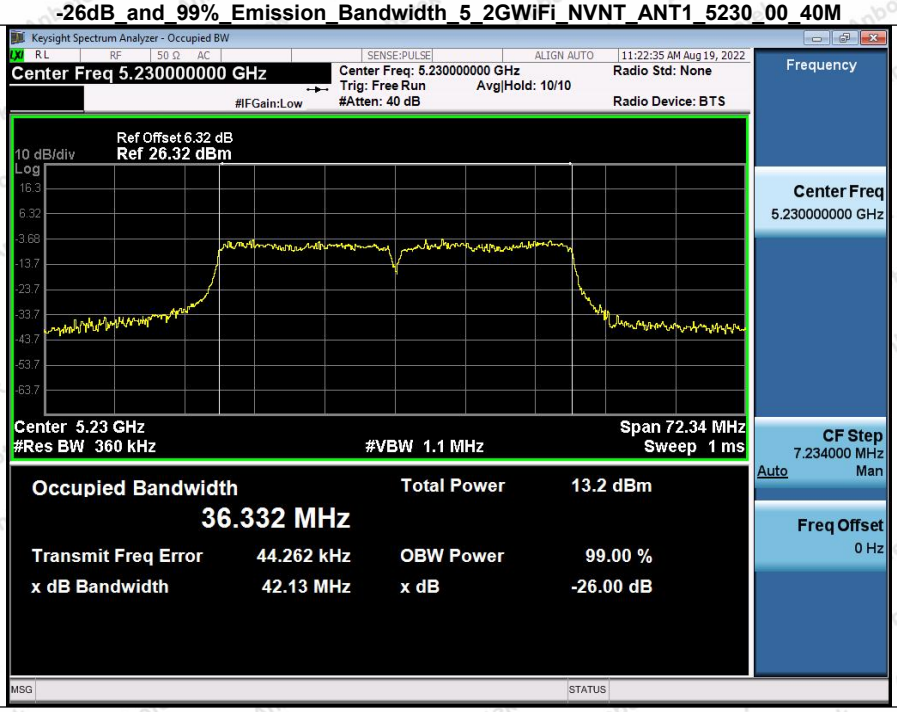
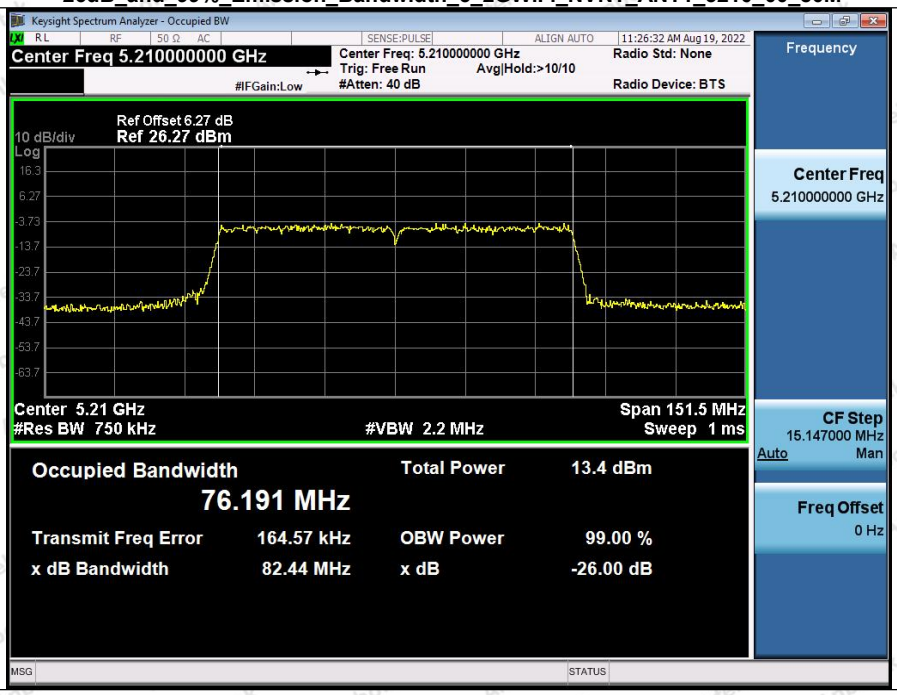


-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5230_00_40M



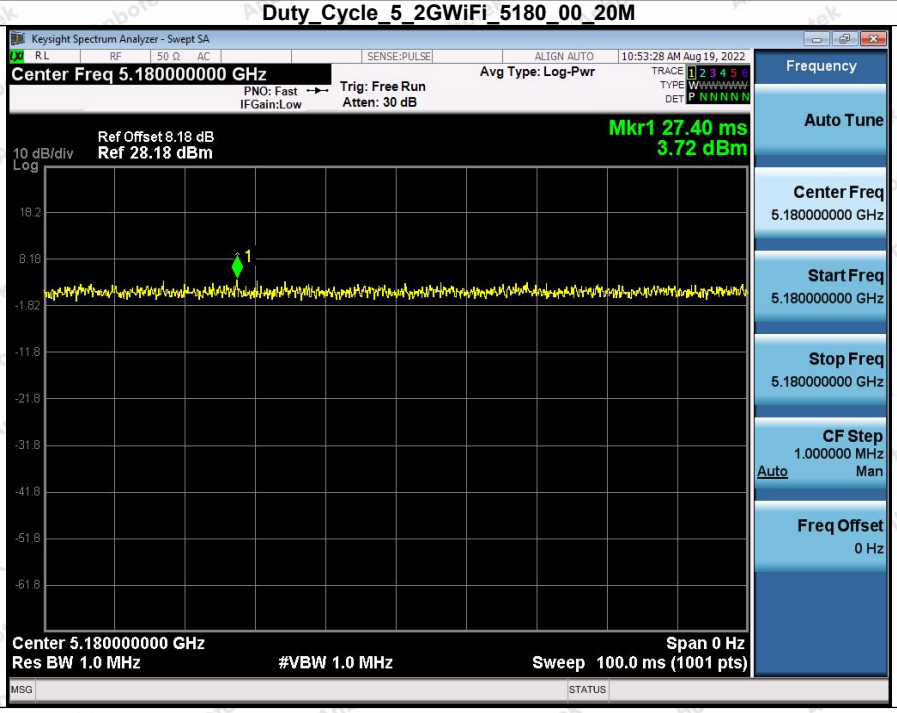
-26dB_and_99%_Emission_Bandwidth_5_2GWiFi_NVNT_ANT1_5210_00_80M



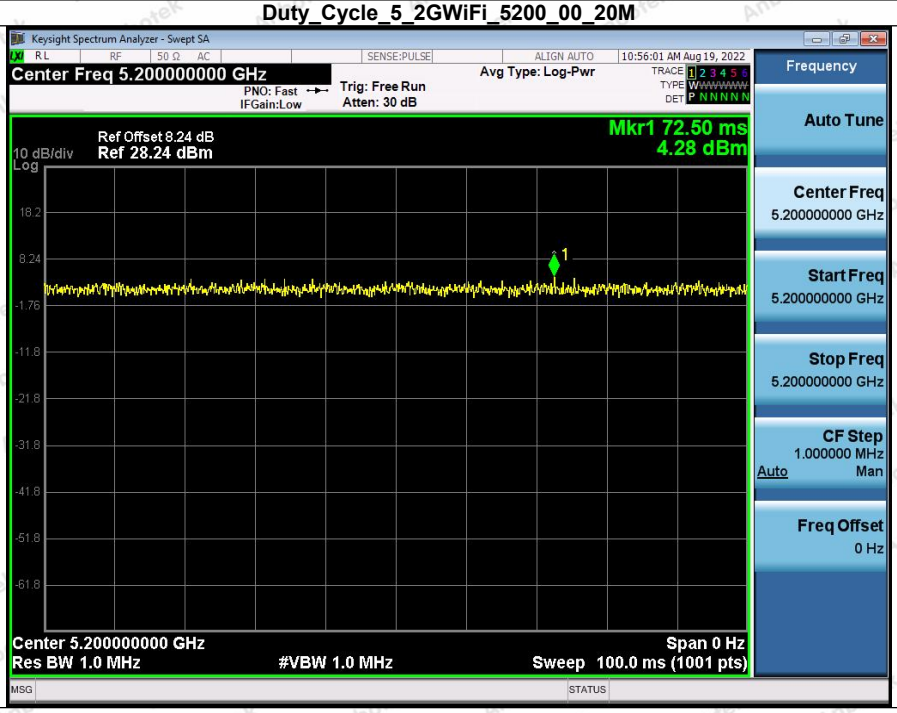
2. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	802.11a	5180.00	100.00	0.00
NVNT	ANT1	802.11a	5200.00	100.00	0.00
NVNT	ANT1	802.11a	5240.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	5180.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	5200.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	5240.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT20)	5180.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT20)	5200.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT20)	5240.00	100.00	0.00
NVNT	ANT1	802.11n(HT40)	5190.00	100.00	0.00
NVNT	ANT1	802.11n(HT40)	5230.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT40)	5190.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT40)	5230.00	100.00	0.00
NVNT	ANT1	802.11ac(VHT80)	5210.00	100.00	0.00

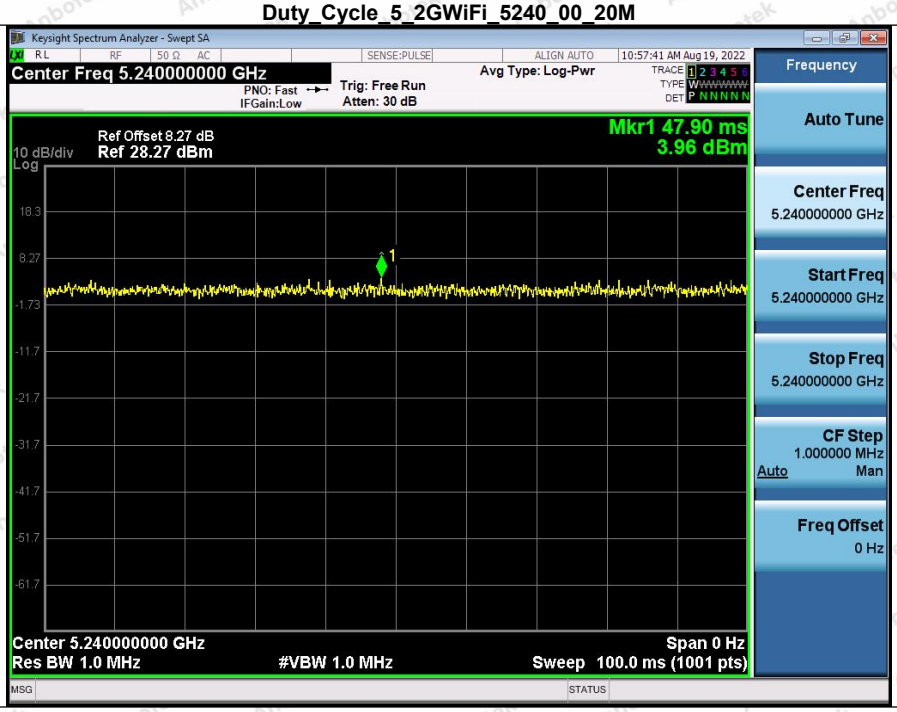
Duty_Cycle_5_2GWiFi_5180_00_20M



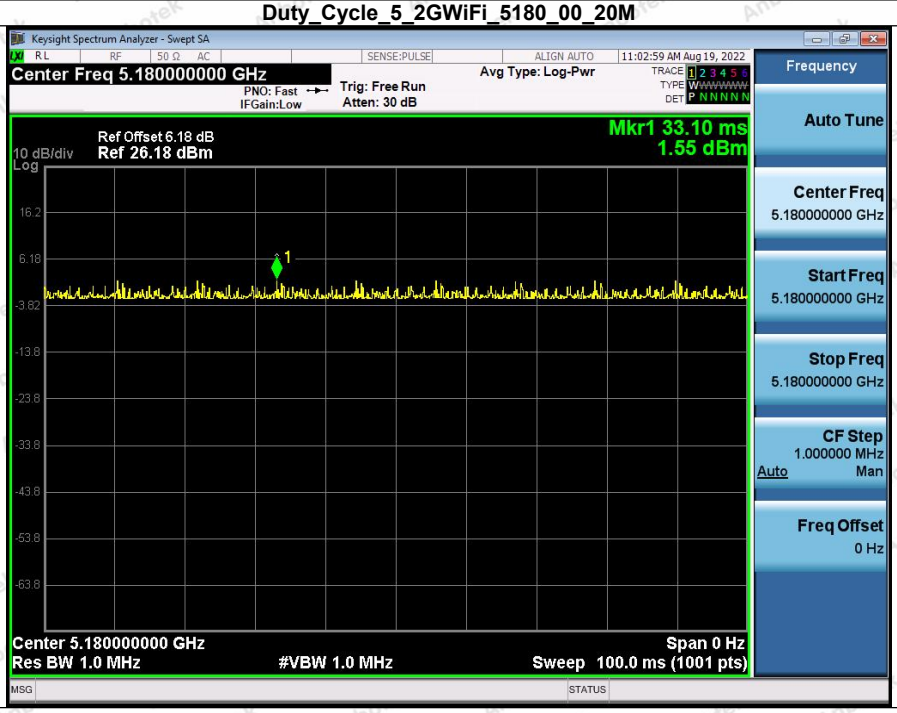
Duty_Cycle_5_2GWiFi_5200_00_20M



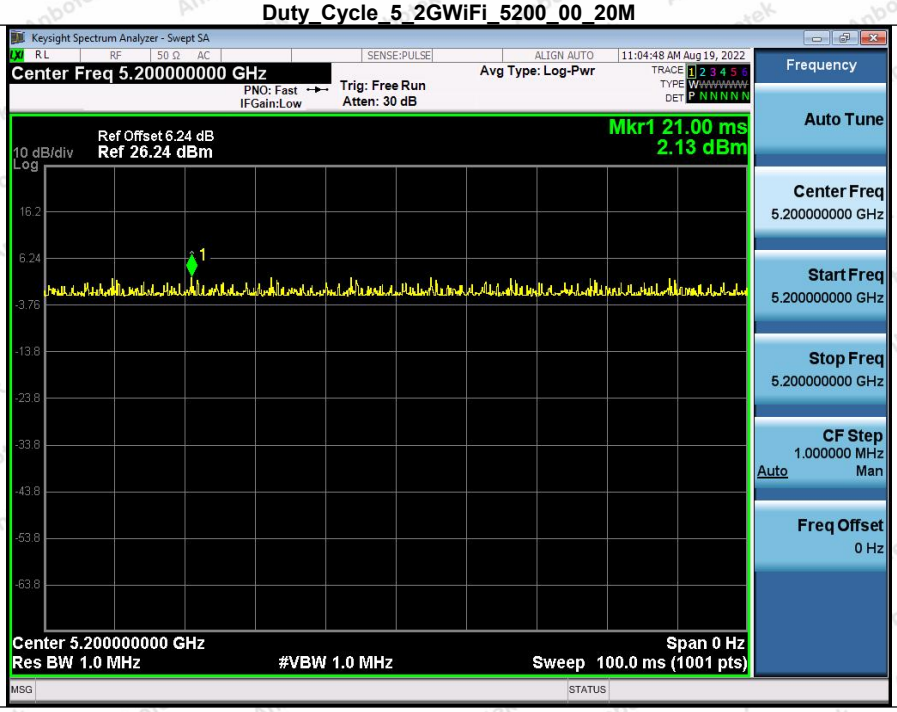
Duty_Cycle_5_2GWiFi_5240_00_20M



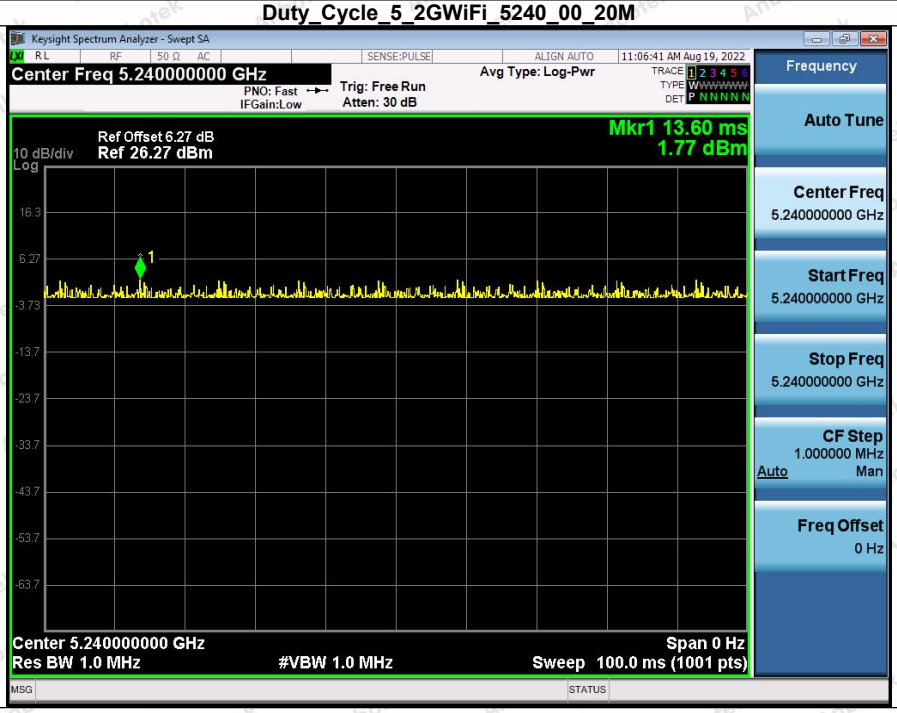
Duty_Cycle_5_2GWiFi_5180_00_20M



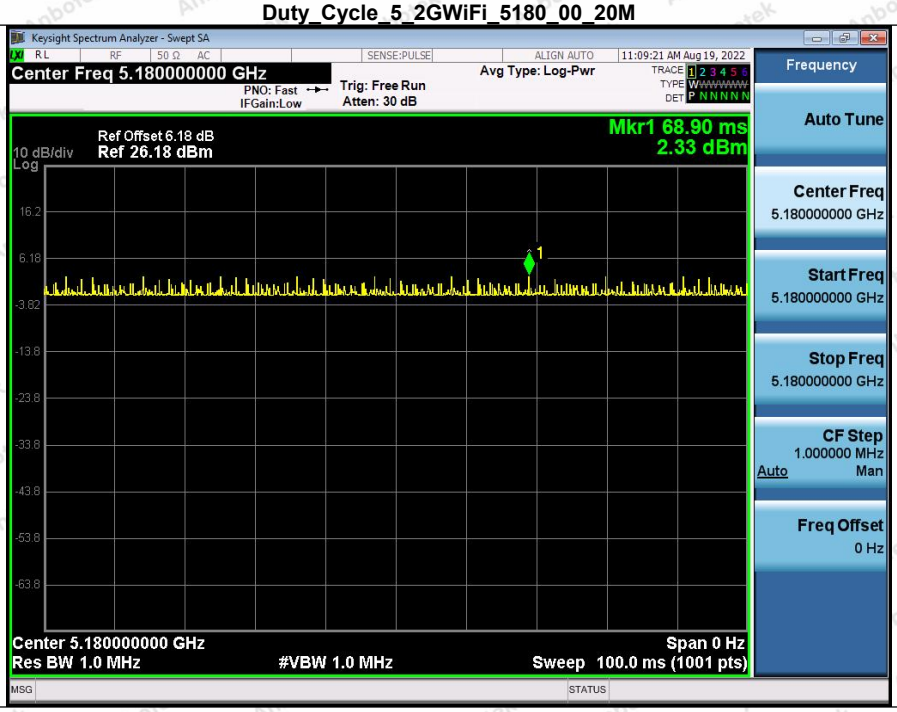
Duty_Cycle_5_2GWiFi_5200_00_20M



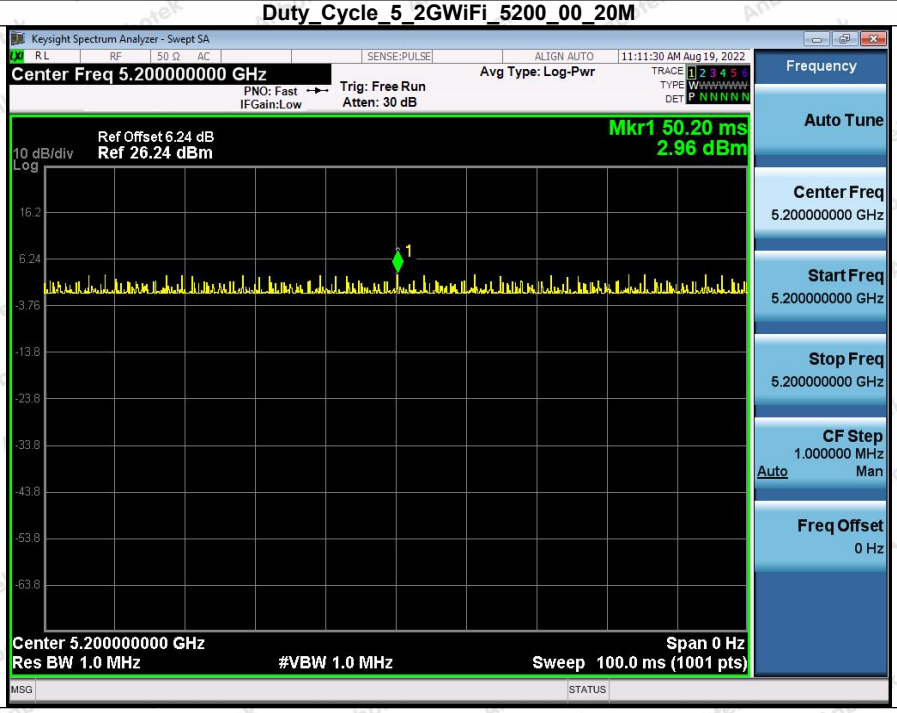
Duty_Cycle_5_2GWiFi_5240_00_20M



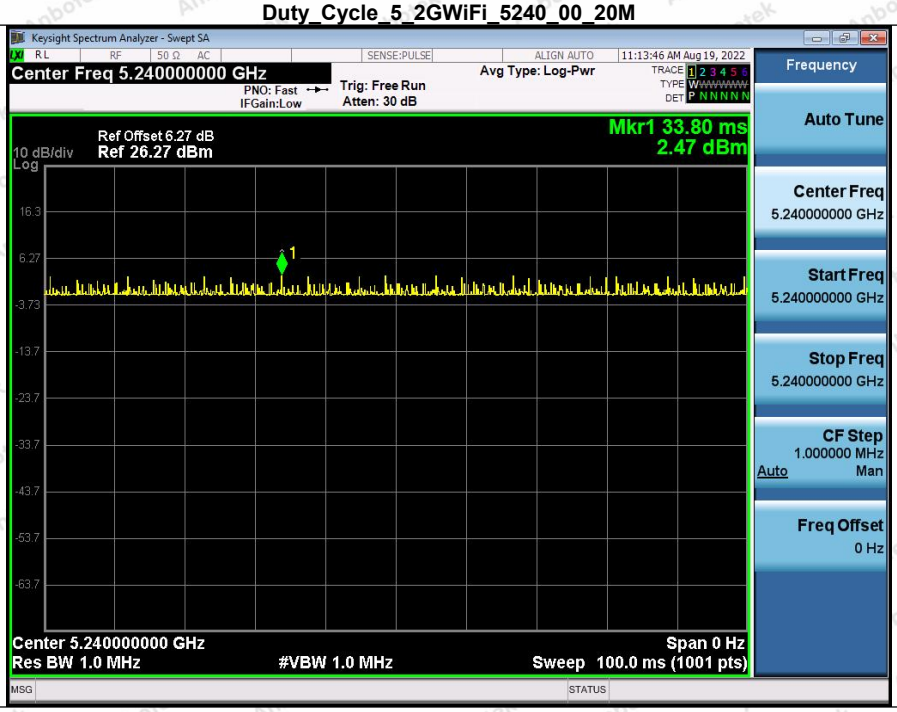
Duty_Cycle_5_2GWiFi_5180_00_20M



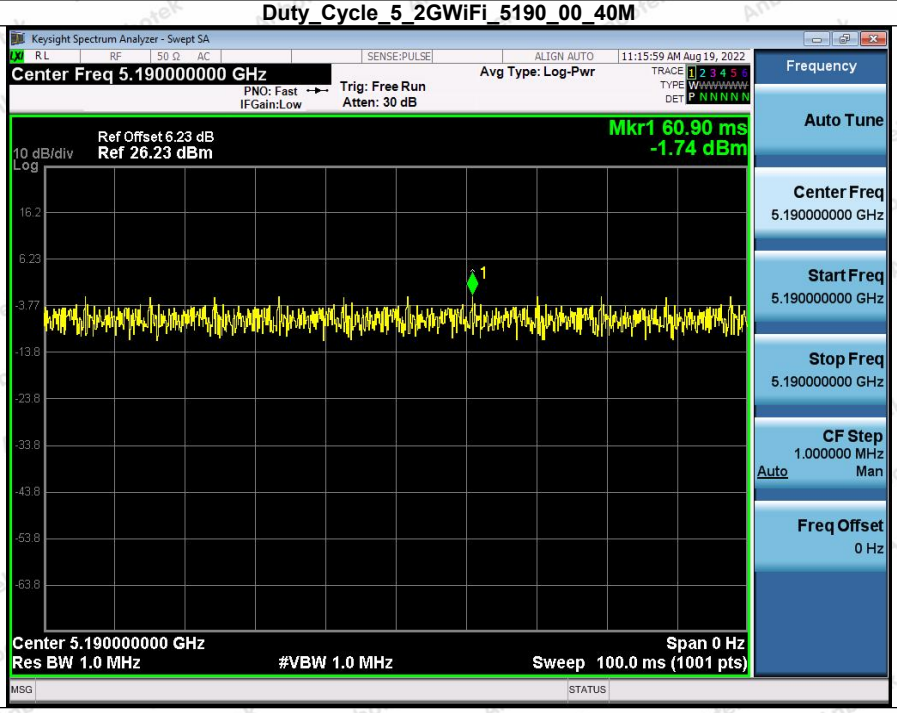
Duty_Cycle_5_2GWiFi_5200_00_20M



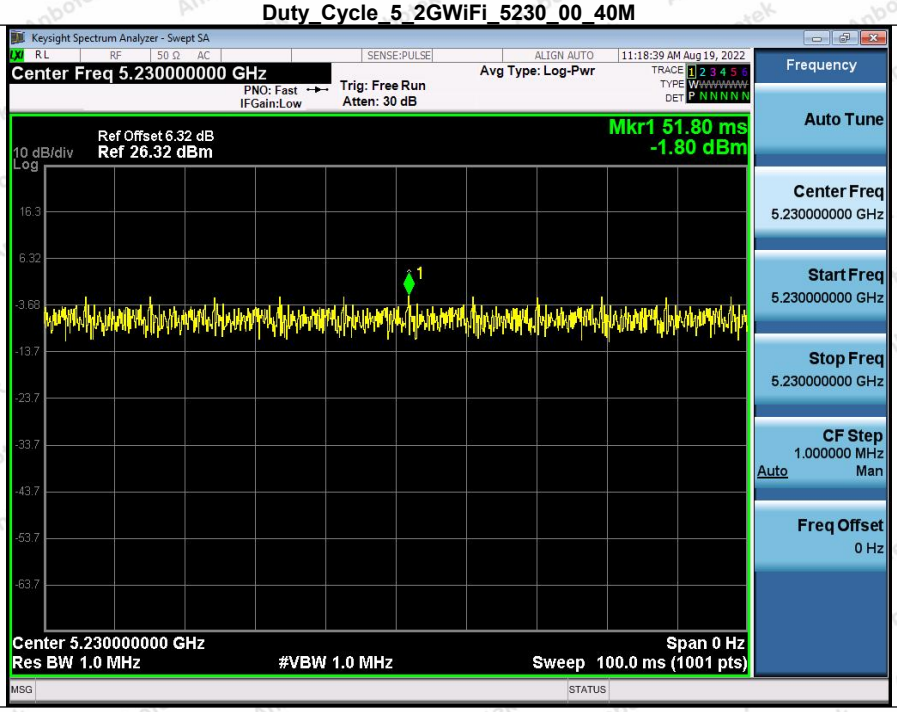
Duty_Cycle_5_2GWiFi_5240_00_20M



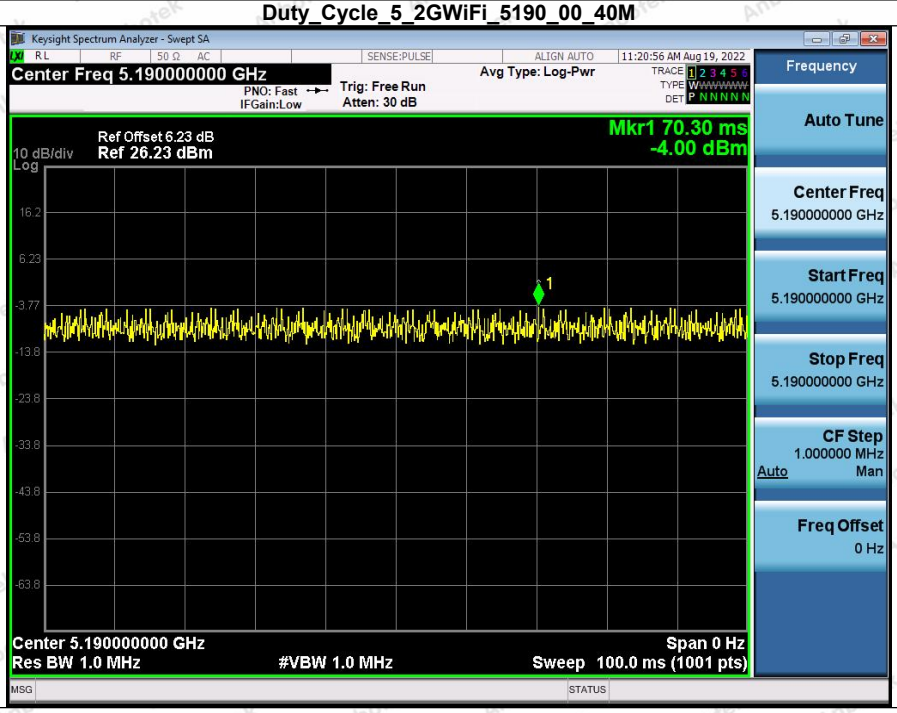
Duty_Cycle_5_2GWiFi_5190_00_40M



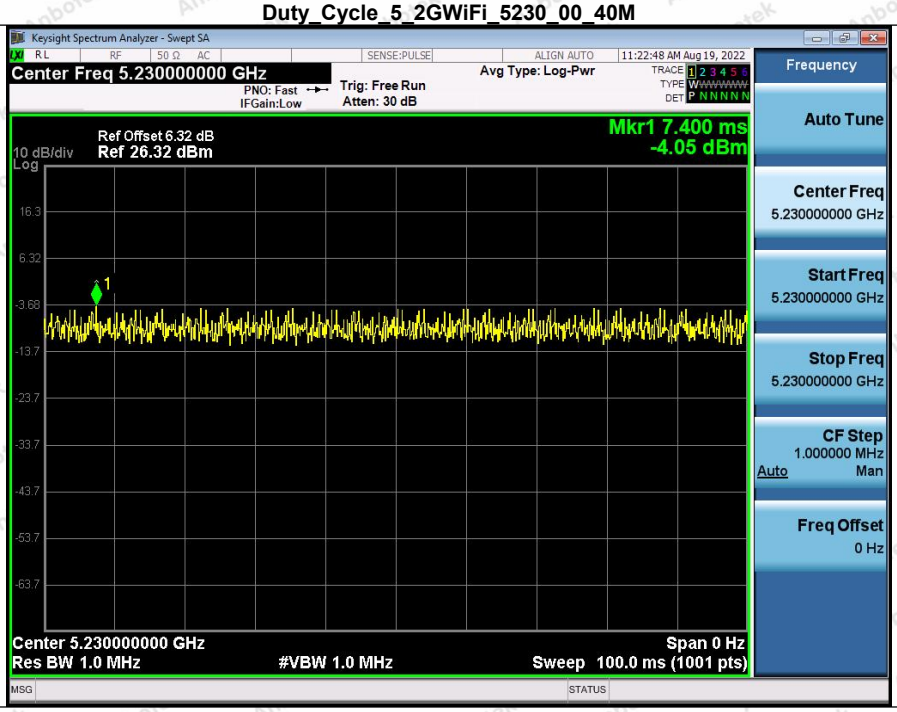
Duty_Cycle_5_2GWiFi_5230_00_40M



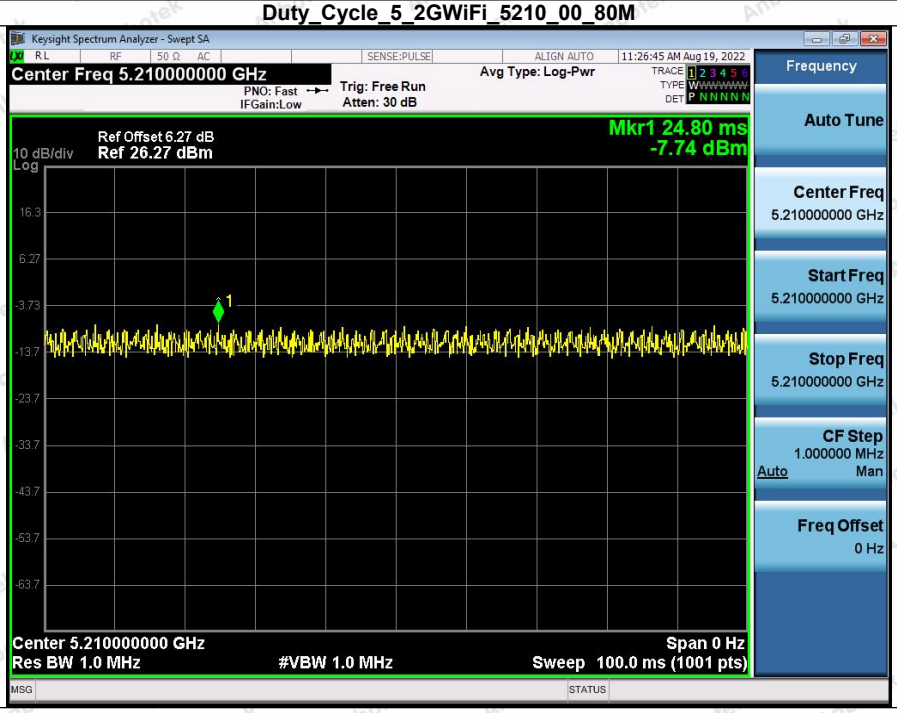
Duty_Cycle_5_2GWiFi_5190_00_40M



Duty_Cycle_5_2GWiFi_5230_00_40M



Duty_Cycle_5_2GWiFi_5210_00_80M



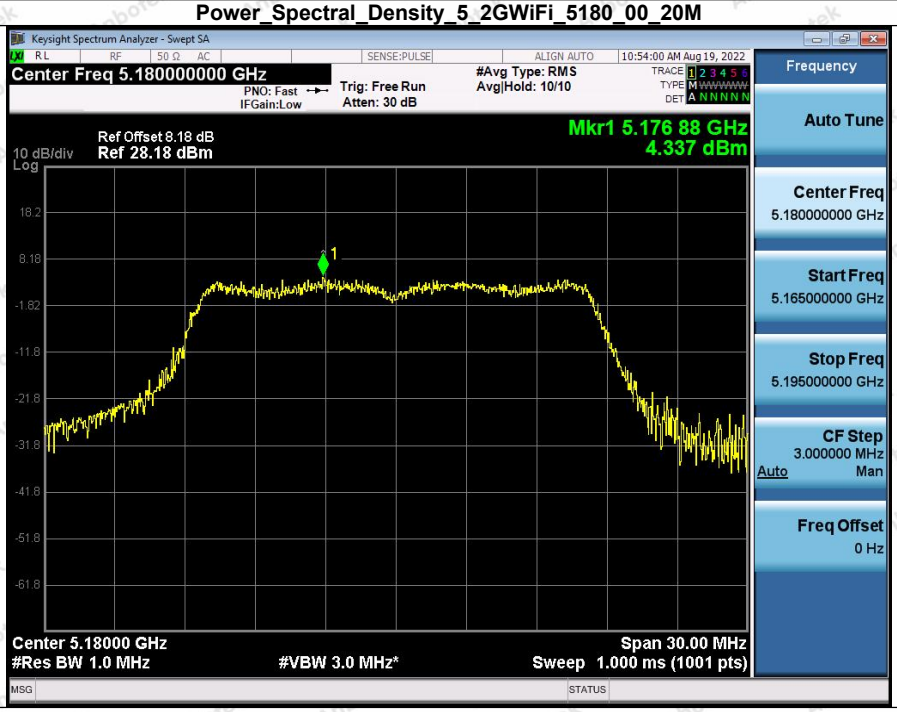
3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	14.24	0.00	14.24	24	Pass
NVNT	ANT1	802.11a	5200.00	14.77	0.00	14.77	24	Pass
NVNT	ANT1	802.11a	5240.00	14.69	0.00	14.69	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	11.66	0.00	11.66	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	12.26	0.00	12.26	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	12.16	0.00	12.16	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	11.68	0.00	11.68	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	12.31	0.00	12.31	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	12.22	0.00	12.22	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	11.84	0.00	11.84	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	11.97	0.00	11.97	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	11.79	0.00	11.79	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	11.94	0.00	11.94	24	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	11.65	0.00	11.65	24	Pass

4. Power Spectral Density

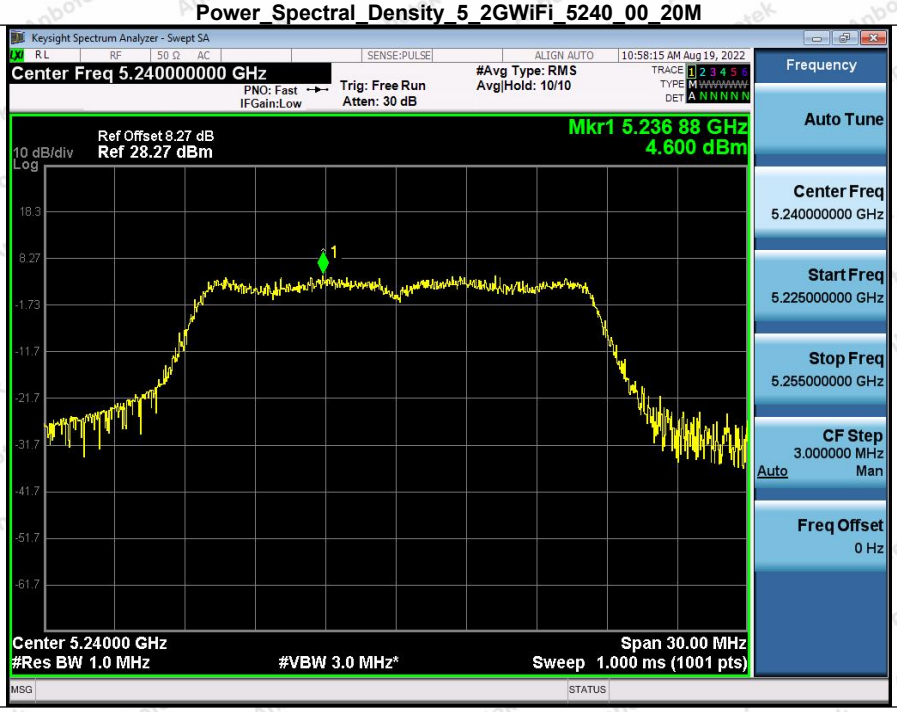
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	4.337	11	Pass
NVNT	ANT1	802.11a	5200.00	5.279	11	Pass
NVNT	ANT1	802.11a	5240.00	4.600	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	1.871	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	2.192	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	2.438	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	1.782	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	2.557	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	2.179	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-1.368	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-1.126	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-1.201	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-1.224	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-4.246	11	Pass

Power_Spectral_Density_5_2GWiFi_5180_00_20M



Power_Spectral_Density_5_2GWiFi_5200_00_20M

Power_Spectral_Density_5_2GWiFi_5240_00_20M



Power_Spectral_Density_5_2GWiFi_5180_00_20M

Power_Spectral_Density_5_2GWiFi_5200_00_20M