

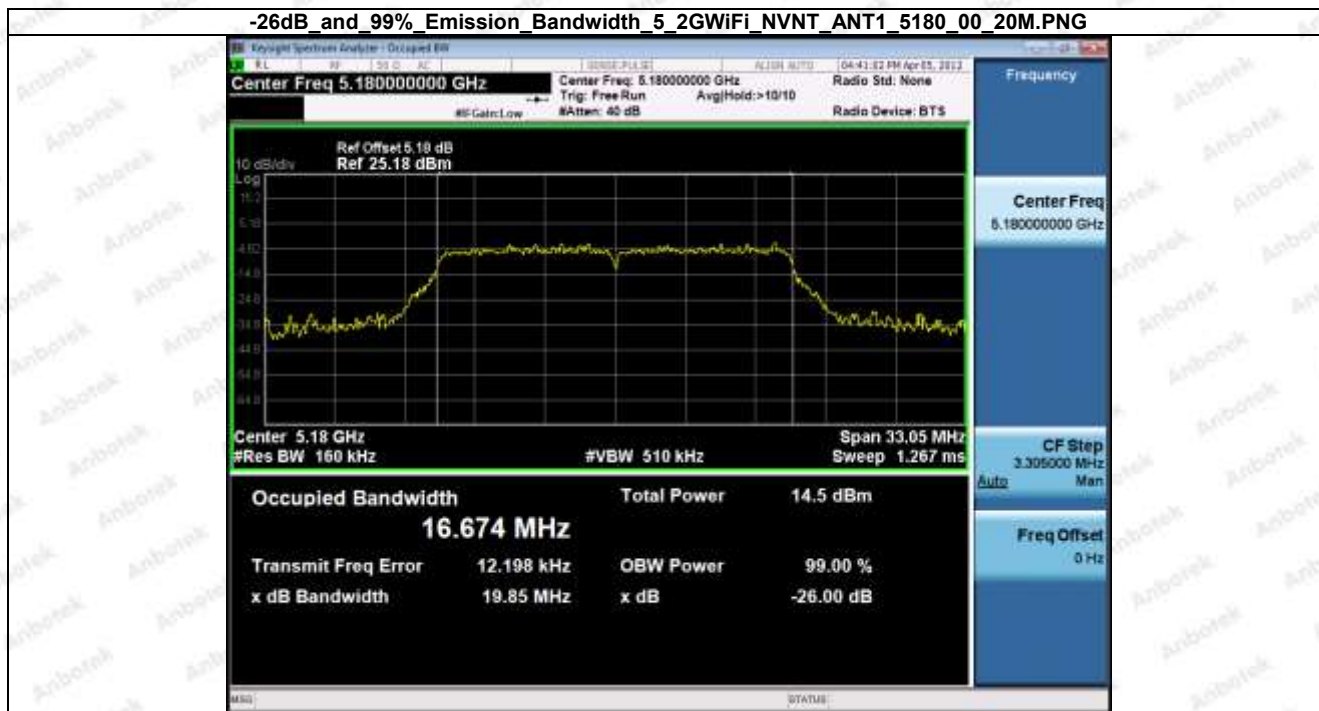
## Appendix Test Data

Report No.:	78340WC20000102	Test Date:	2022.06.10
Test Engineer:	<i>Qiang Peng</i>	Auditor:	<i>Andy wang</i>
Temperature:	24.3°C	Relative Humidity:	56.2%
Pressure:	1012 hPa		

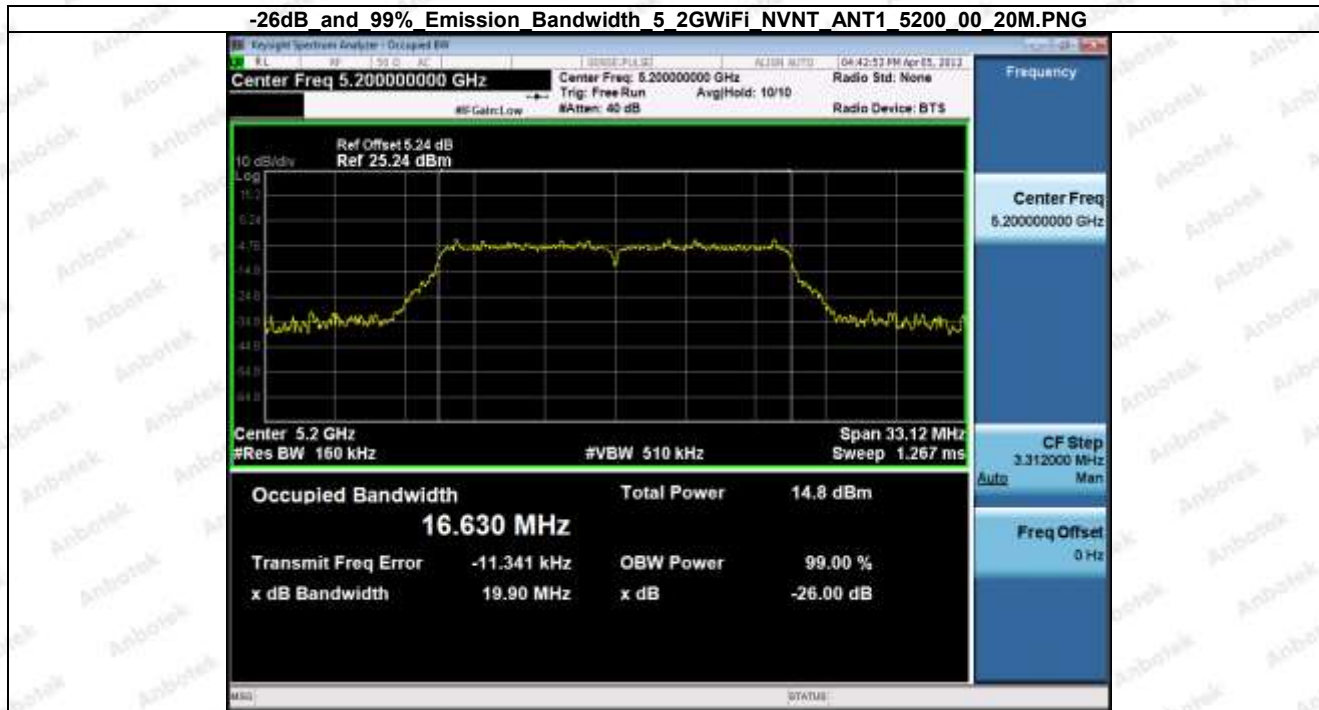
### 1. -26dB and 99% Emission Bandwidth

Condition	Antenna	Modulation	Frequency(MHz)	-26dB_Emission_Bandwidth(MHz)	Occupied Bandwidth(MHz)
NVNT	ANT1	802.11a	5180.00	19.85	16.67
NVNT	ANT1	802.11a	5200.00	19.90	16.63
NVNT	ANT1	802.11a	5240.00	19.87	16.65
NVNT	ANT1	802.11n(HT20)	5180.00	20.54	17.81
NVNT	ANT1	802.11n(HT20)	5200.00	20.61	17.81
NVNT	ANT1	802.11n(HT20)	5240.00	20.62	17.82
NVNT	ANT1	802.11ac(VHT20)	5180.00	20.56	17.82
NVNT	ANT1	802.11ac(VHT20)	5200.00	20.50	17.82
NVNT	ANT1	802.11ac(VHT20)	5240.00	20.52	17.80
NVNT	ANT1	802.11n(HT40)	5190.00	40.59	36.29
NVNT	ANT1	802.11n(HT40)	5230.00	40.77	36.29
NVNT	ANT1	802.11ac(VHT40)	5190.00	40.68	36.29
NVNT	ANT1	802.11ac(VHT40)	5230.00	40.52	36.28

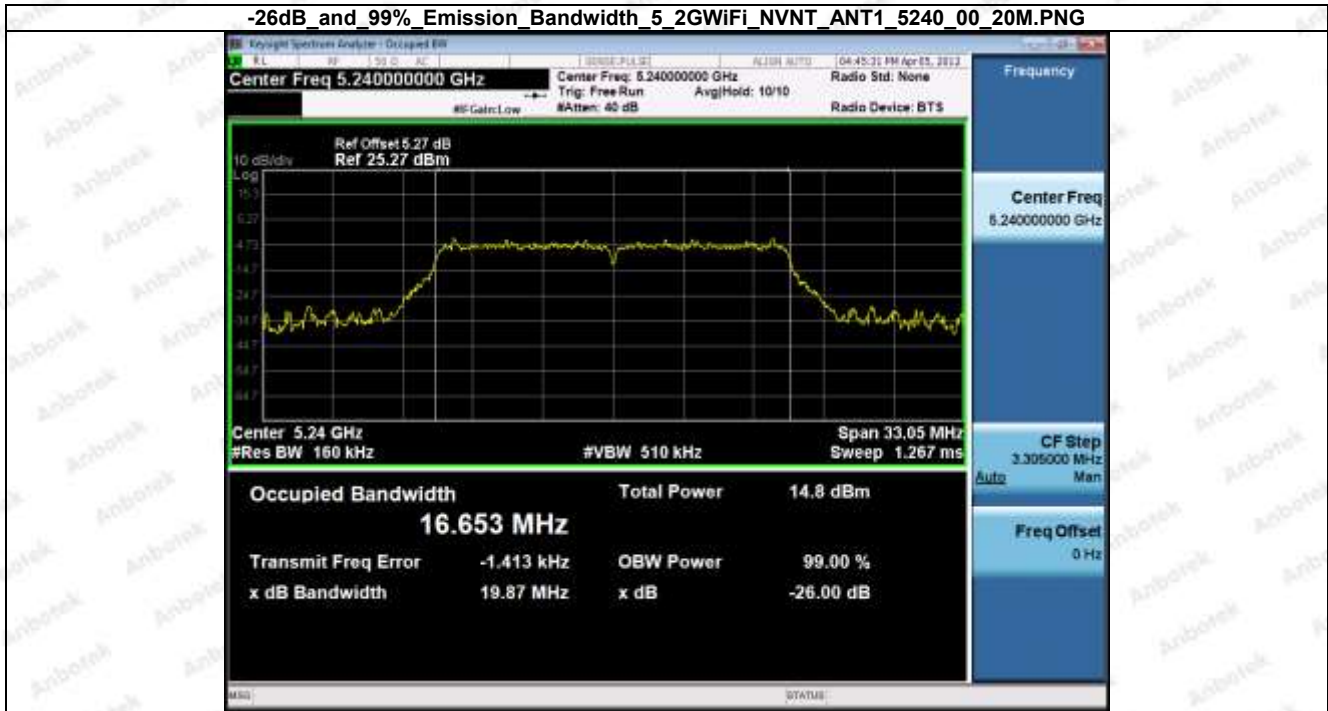
**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5180 00 20M.PNG**



**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5200 00 20M.PNG**



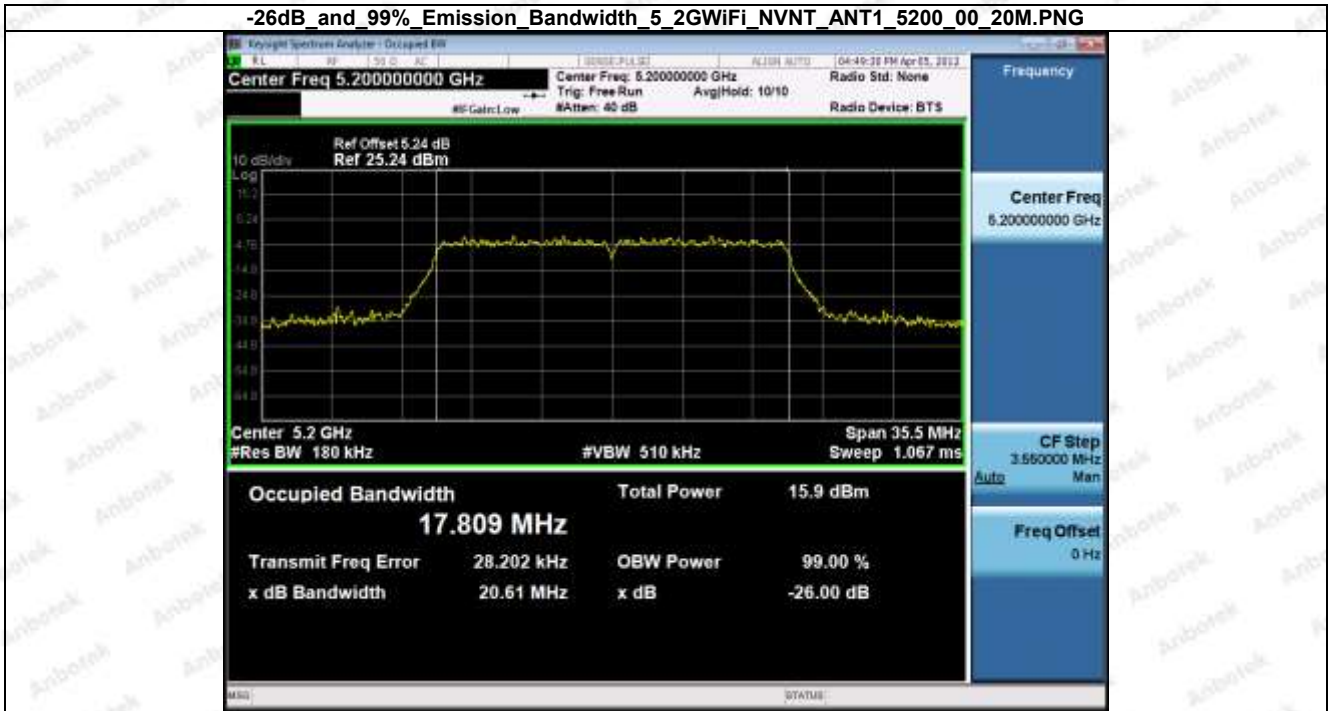
**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5240 00 20M.PNG**



**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5180 00 20M.PNG**



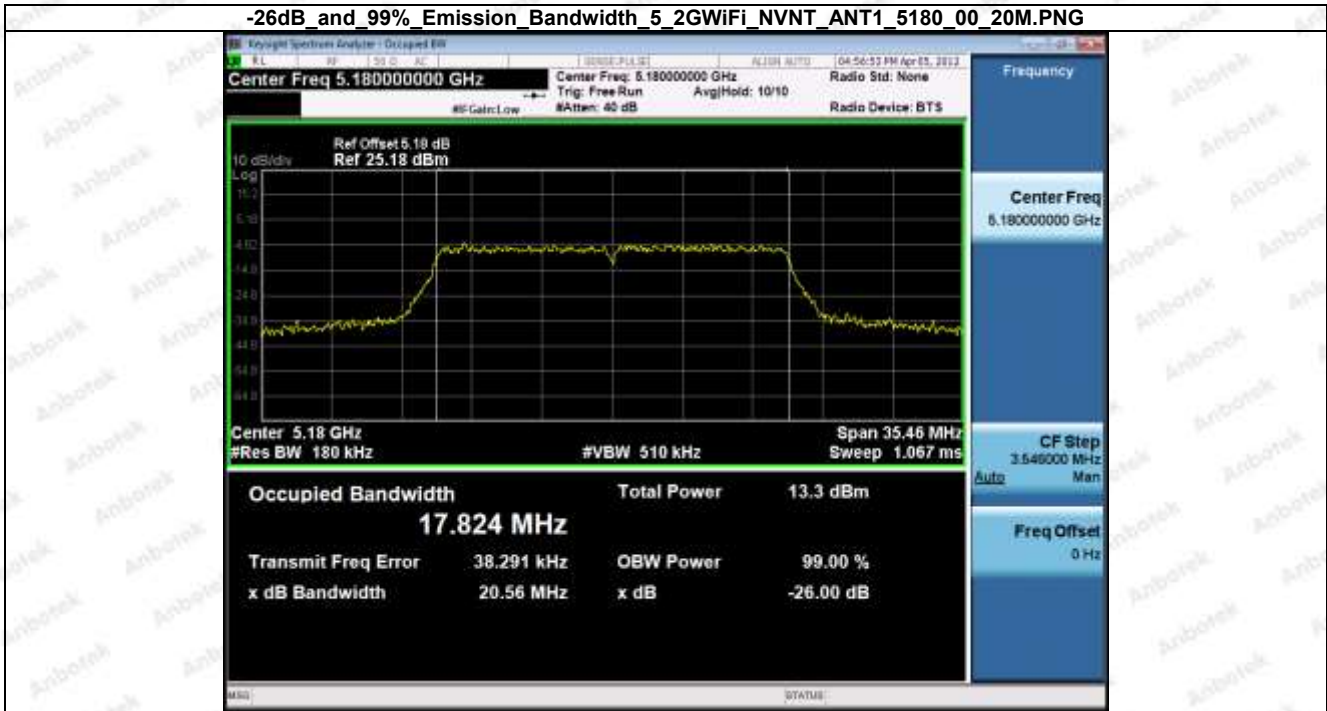
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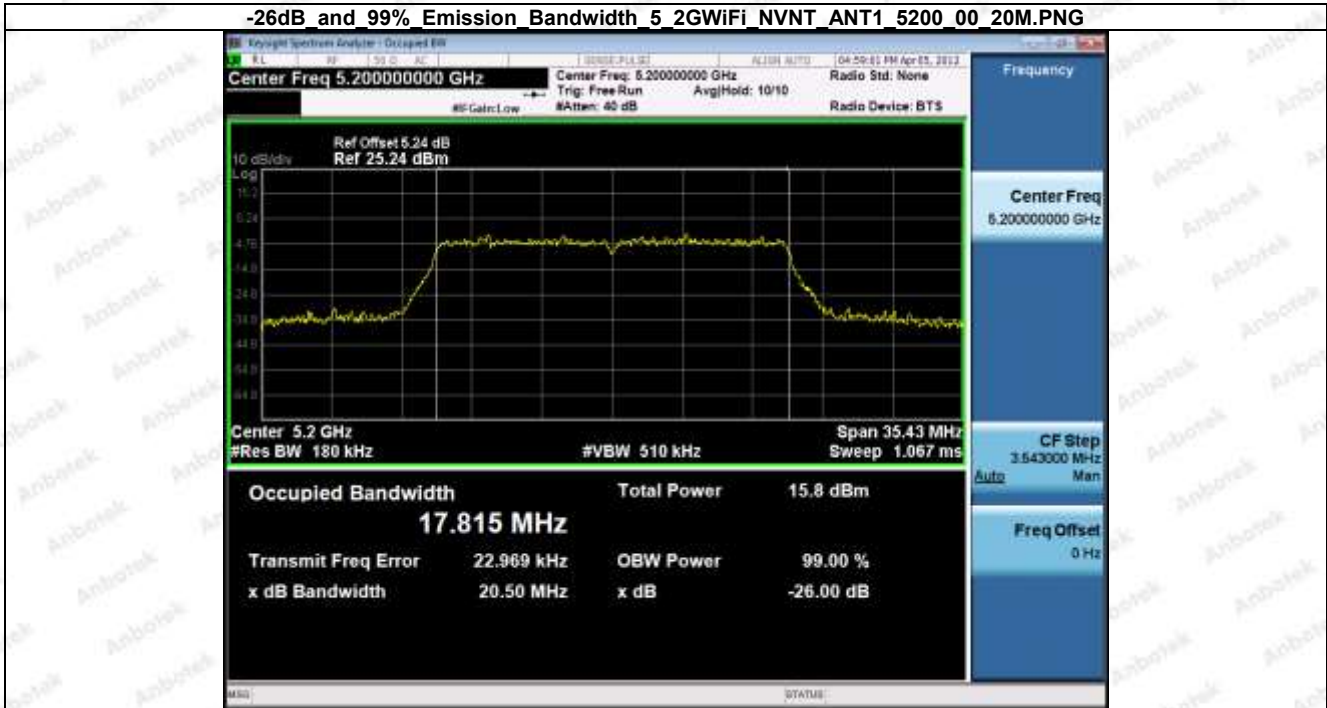
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**-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5180 00 20M.PNG**



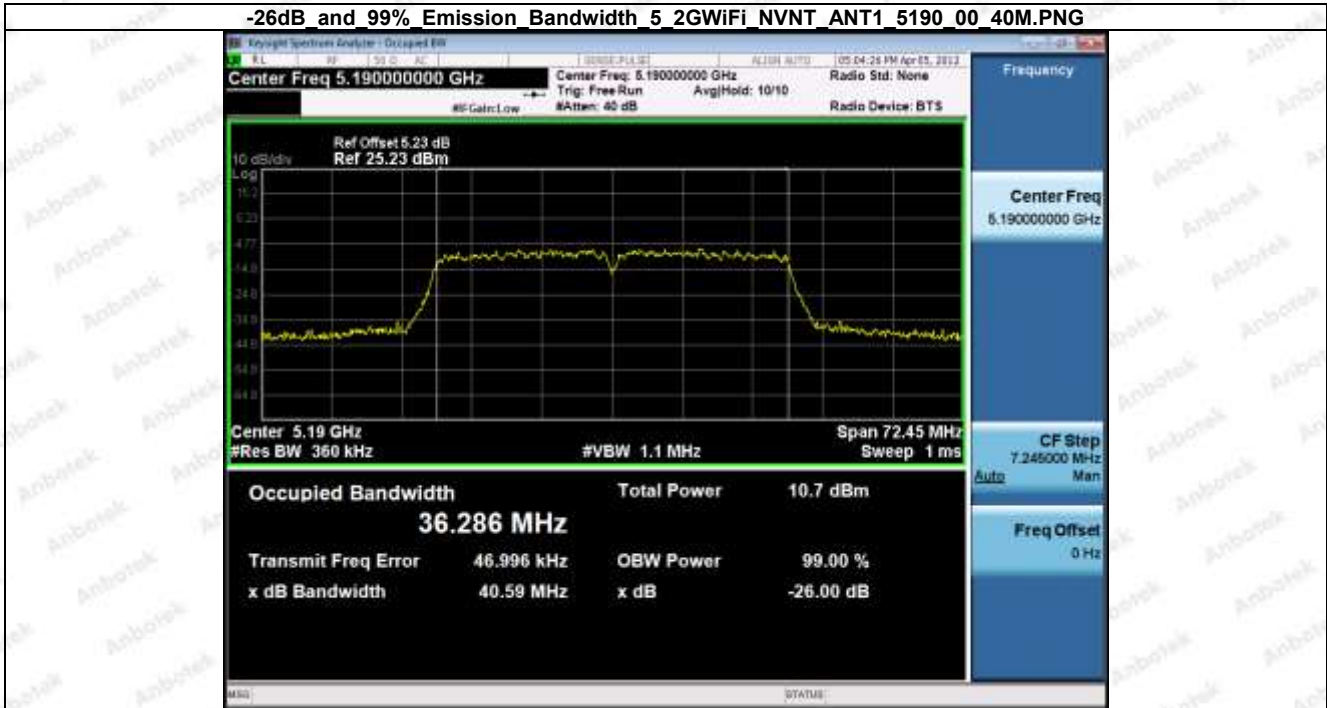
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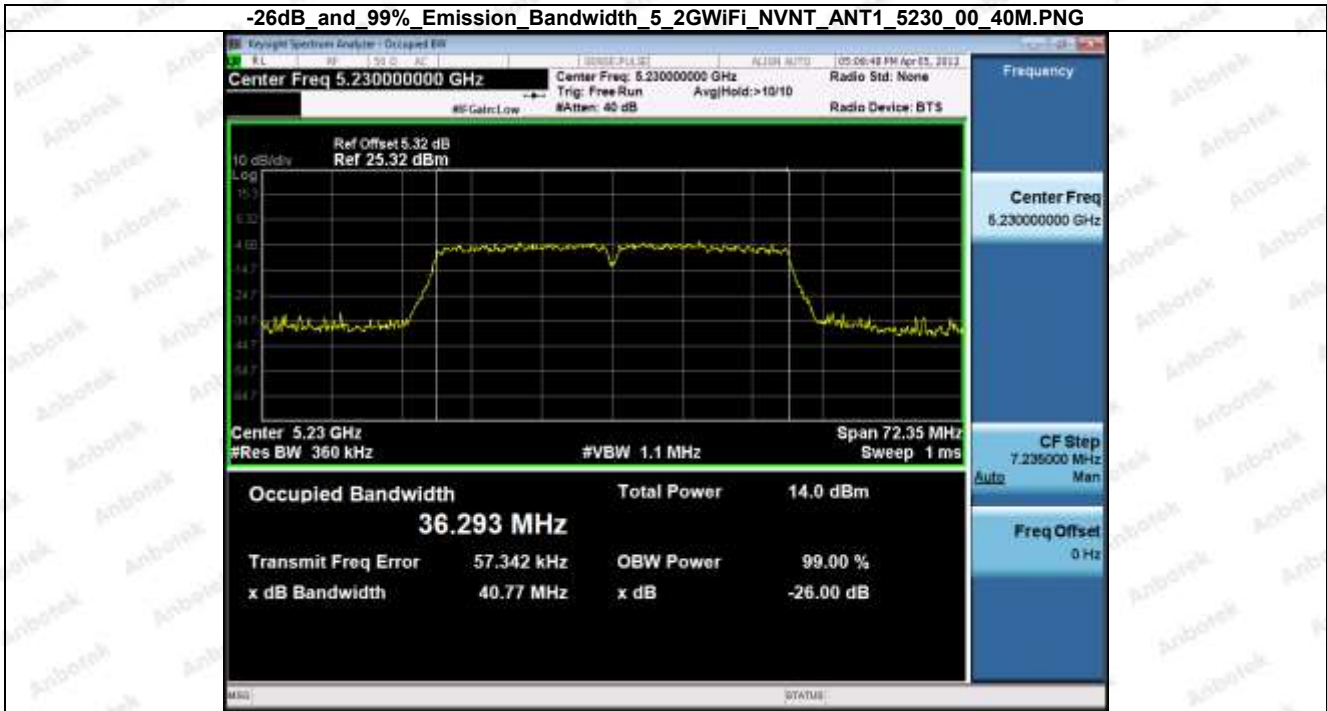
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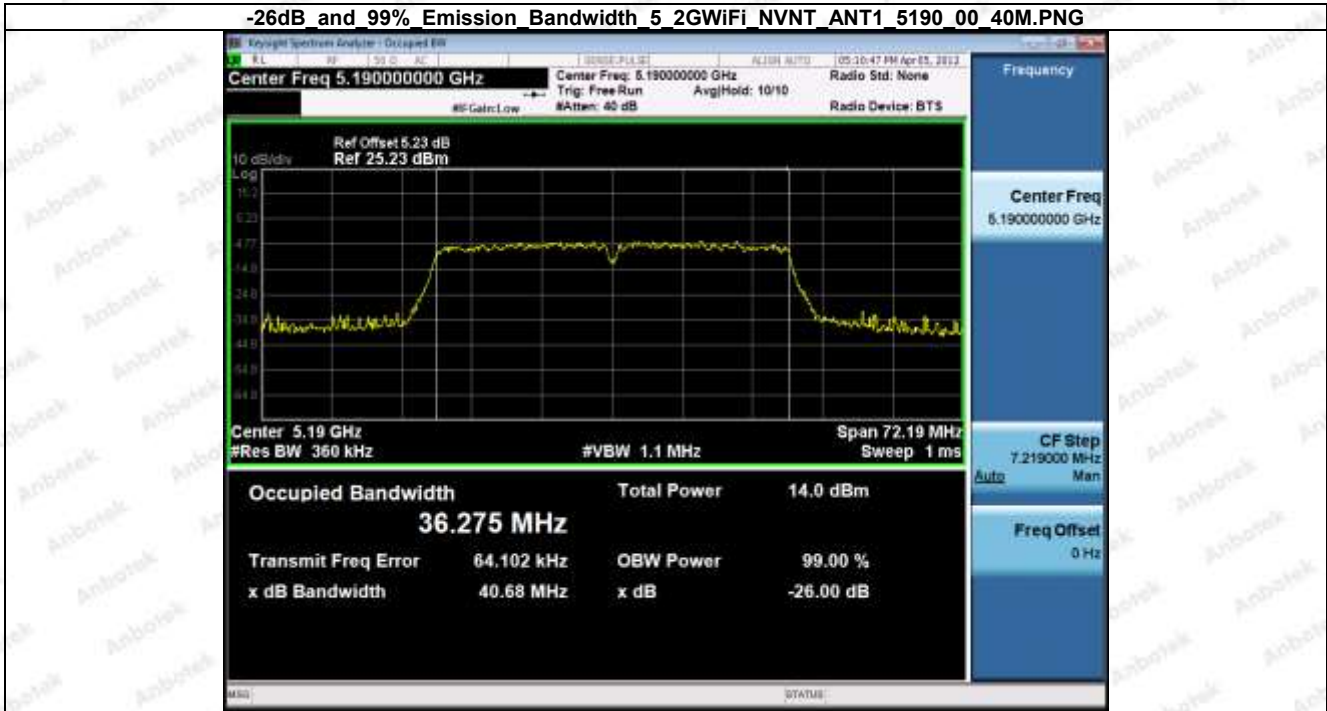
-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5190 00 40M.PNG



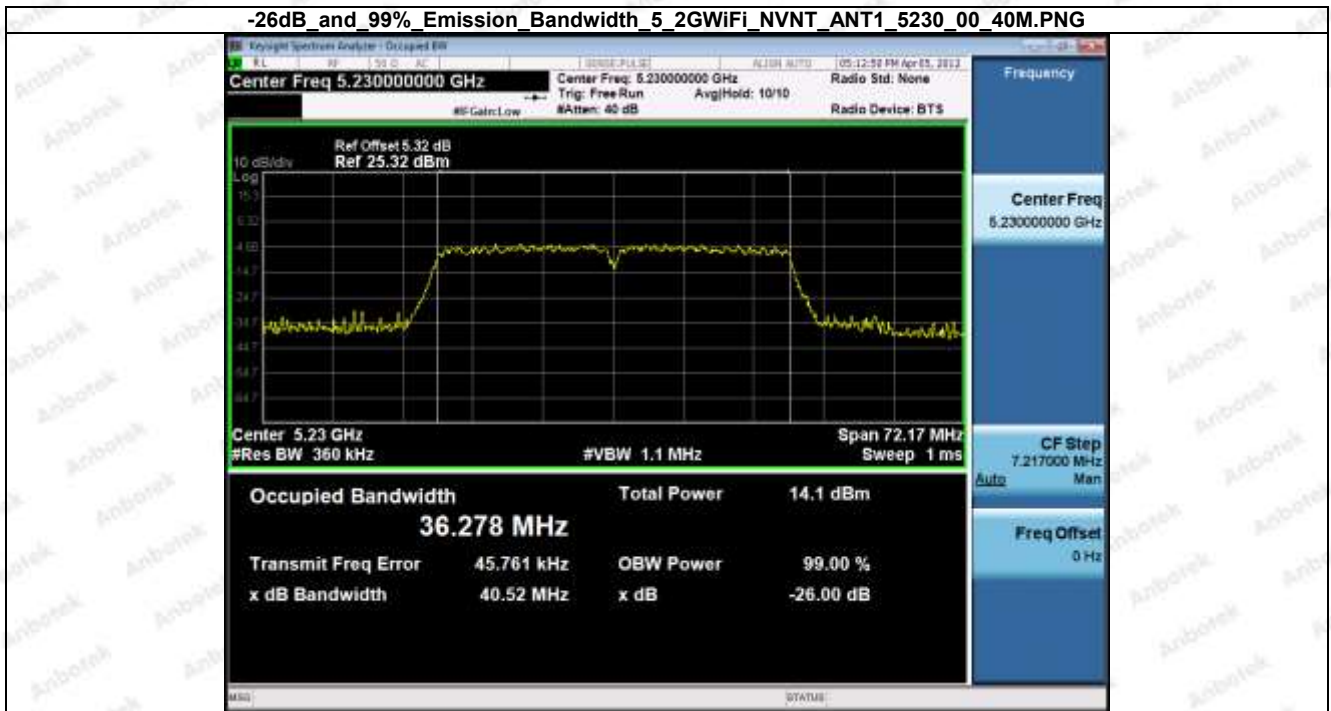
-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5230 00 40M.PNG



-26dB and 99% Emission Bandwidth 5 2GWiFi NVNT ANT1 5190 00 40M.PNG







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## 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

Duty Cycle 5\_2GWiFi\_5180\_00\_20M.PNG



Duty Cycle 5\_2GWiFi\_5200\_00\_20M.PNG



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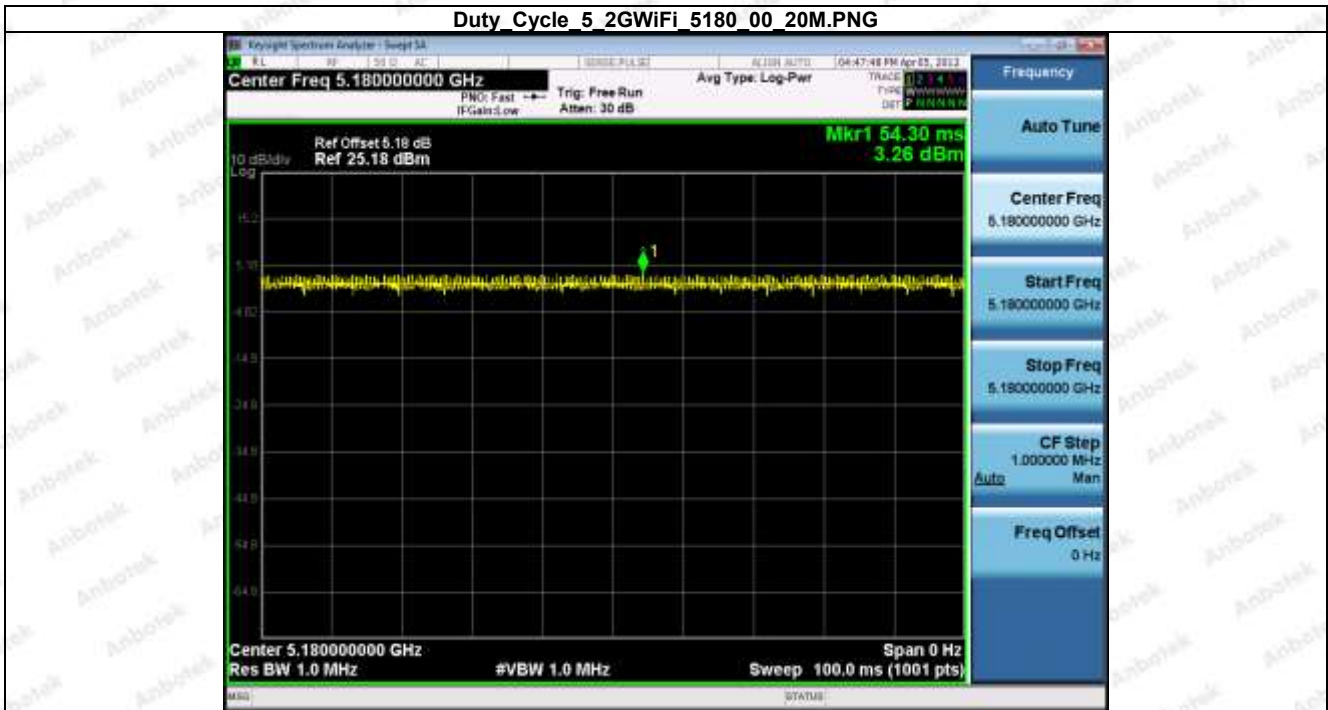
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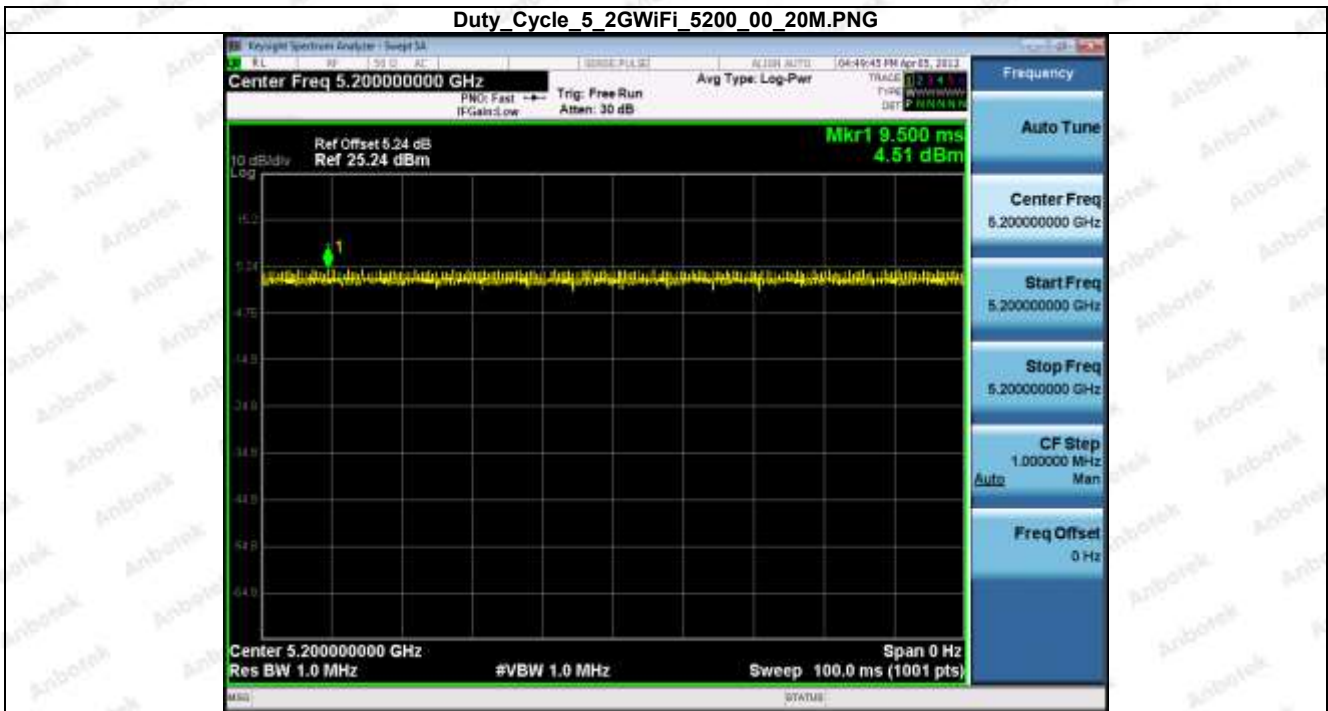
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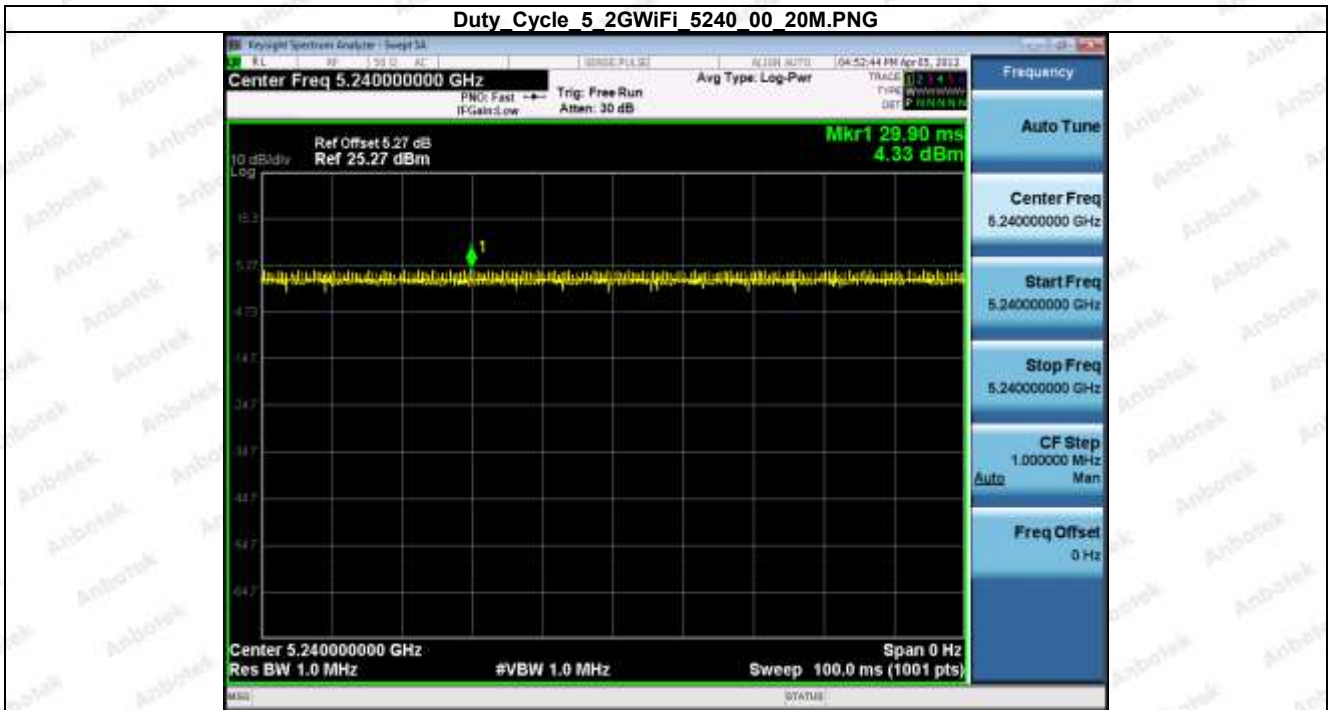
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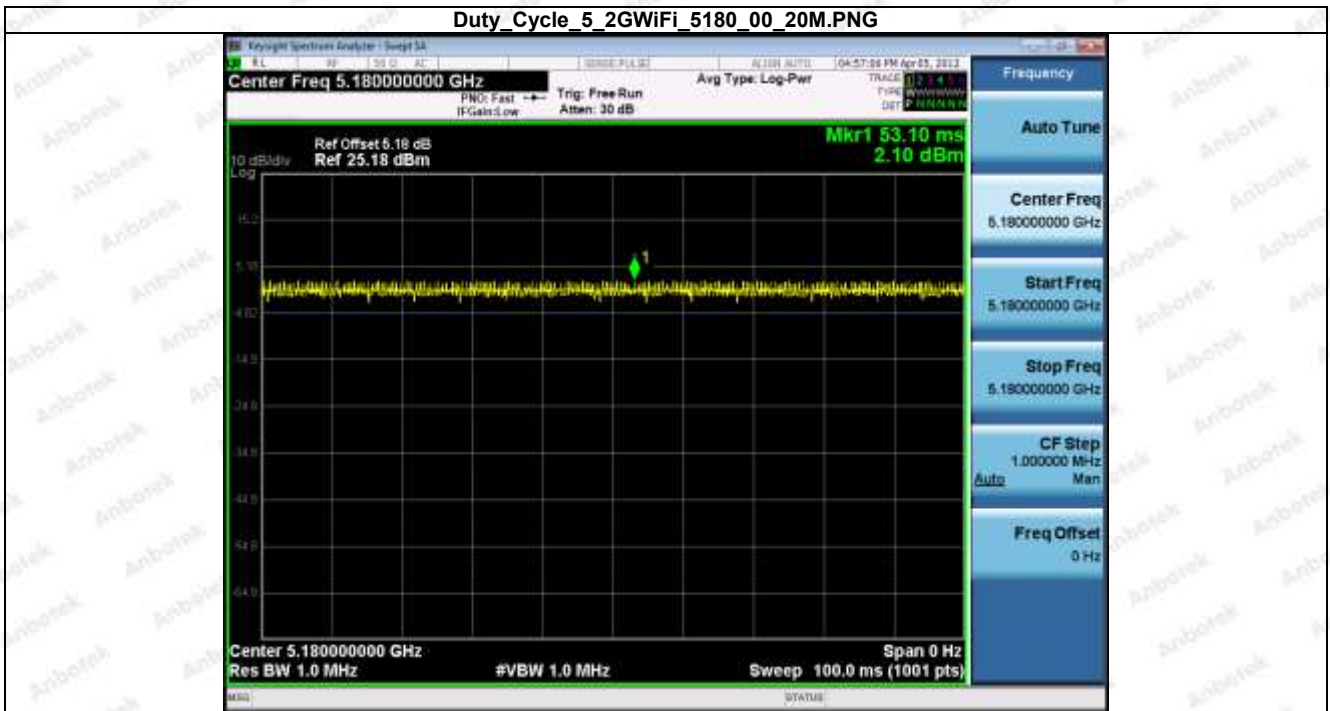
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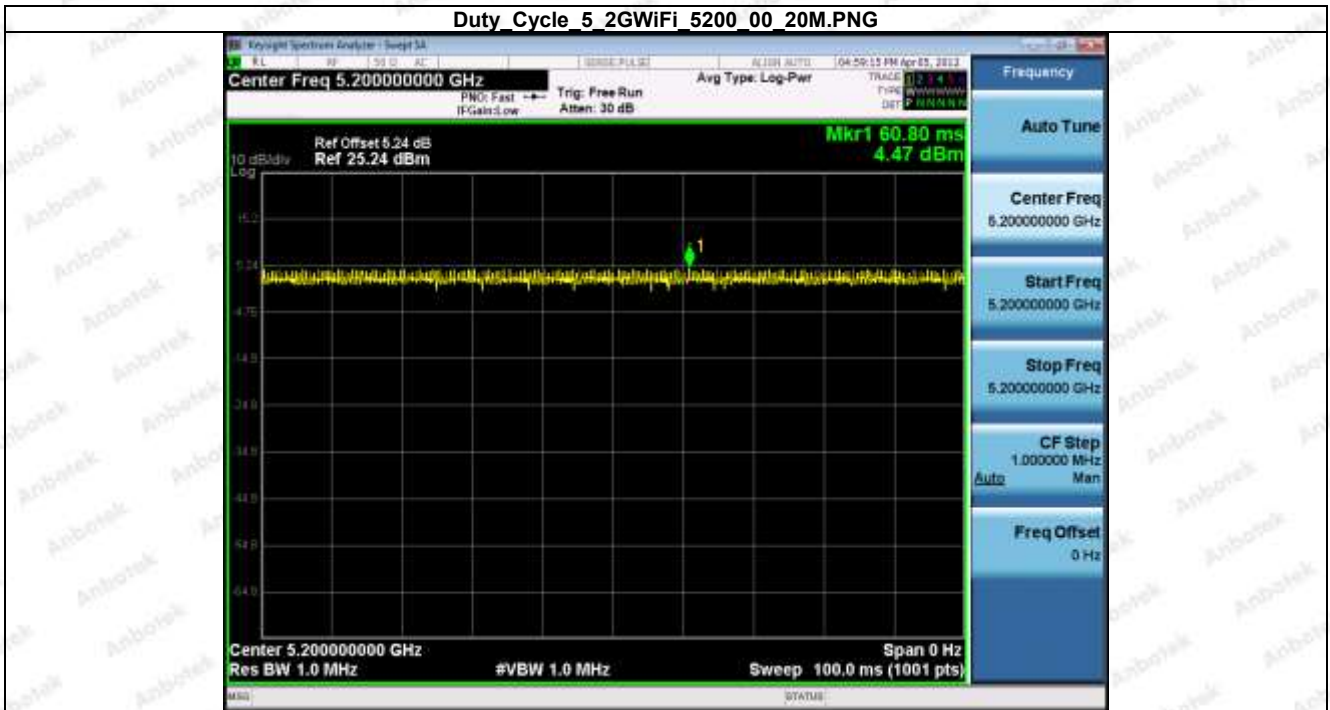
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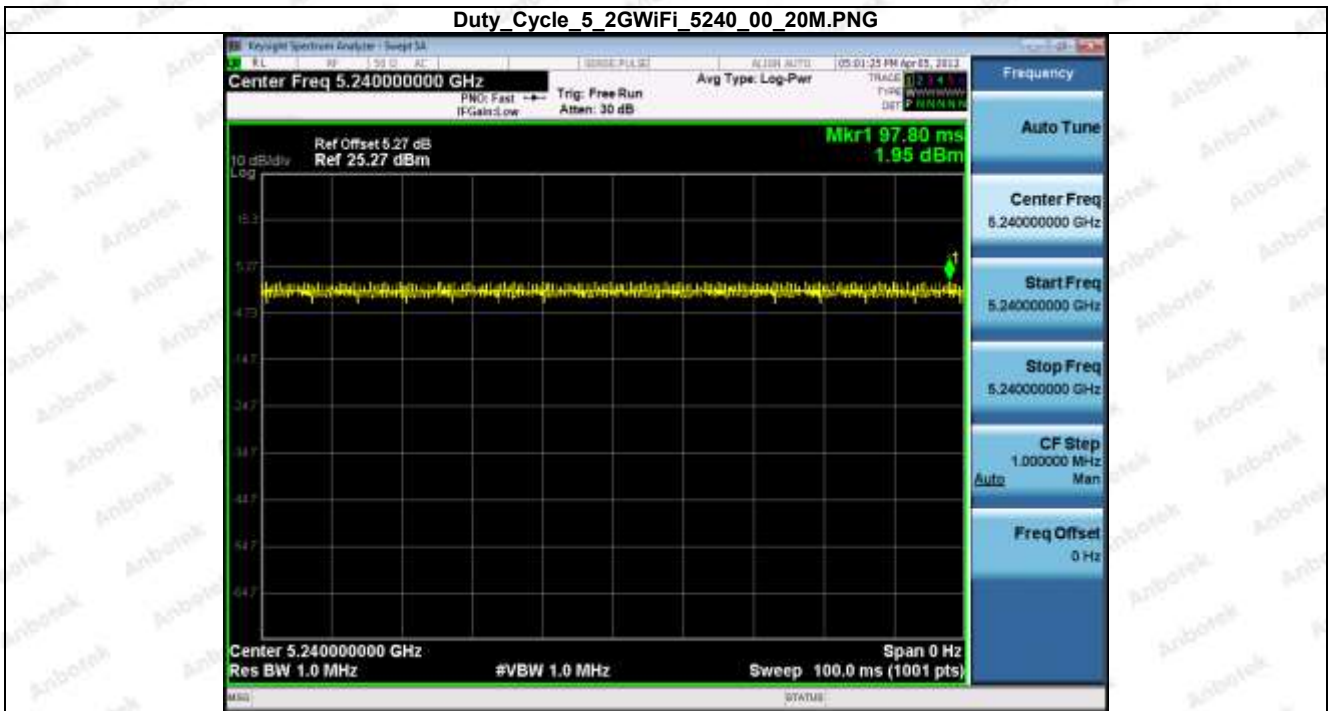
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Duty Cycle 5\_2GWiFi\_5200\_00\_20M.PNG



Duty Cycle 5\_2GWiFi\_5240\_00\_20M.PNG



Duty Cycle 5\_2GWiFi\_5190\_00\_40M.PNG



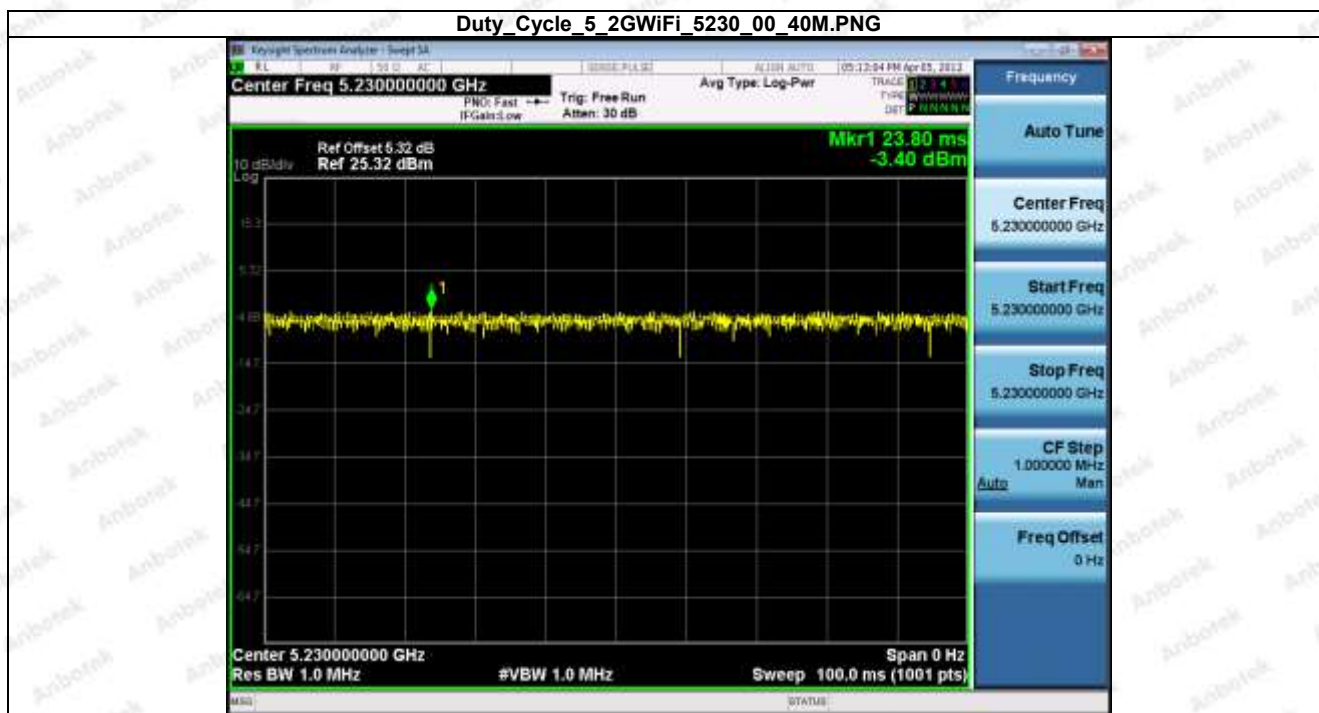
Duty Cycle 5\_2GWiFi\_5230\_00\_40M.PNG



Duty Cycle 5\_2GWiFi\_5190\_00\_40M.PNG







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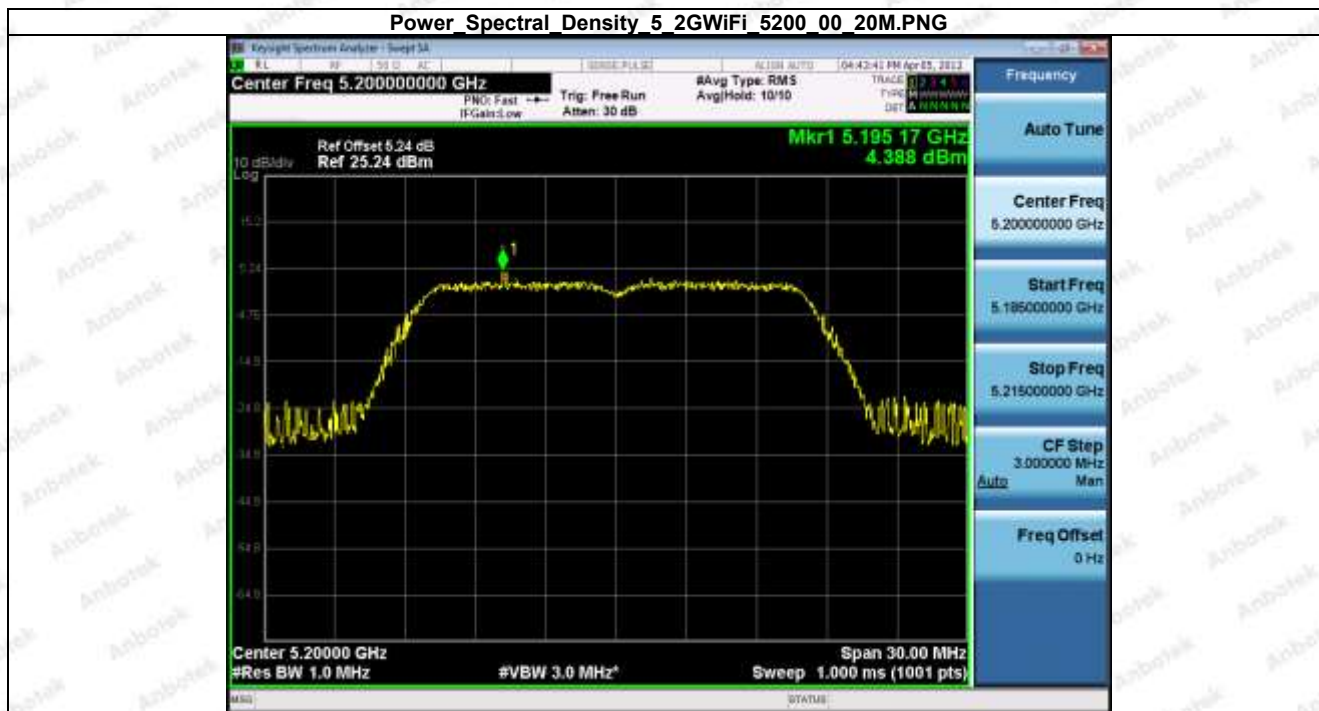
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### 3. Maximum Conducted Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	13.46	0.00	13.46	24	Pass
NVNT	ANT1	802.11a	5200.00	13.73	0.00	13.73	24	Pass
NVNT	ANT1	802.11a	5240.00	13.69	0.00	13.69	24	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	13.63	0.00	13.63	24	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	14.89	0.00	14.89	24	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	14.82	0.00	14.82	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	12.49	0.00	12.49	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	14.81	0.00	14.81	24	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	12.50	0.00	12.50	24	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	12.77	0.00	12.77	24	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	12.83	0.00	12.83	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	12.77	0.00	12.77	24	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	12.94	0.00	12.94	24	Pass

#### 4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	3.295	11	Pass
NVNT	ANT1	802.11a	5200.00	4.388	11	Pass
NVNT	ANT1	802.11a	5240.00	3.976	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	2.555	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	3.428	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	3.580	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	1.123	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	3.291	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	1.461	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-1.404	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-1.262	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-1.282	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-1.174	11	Pass





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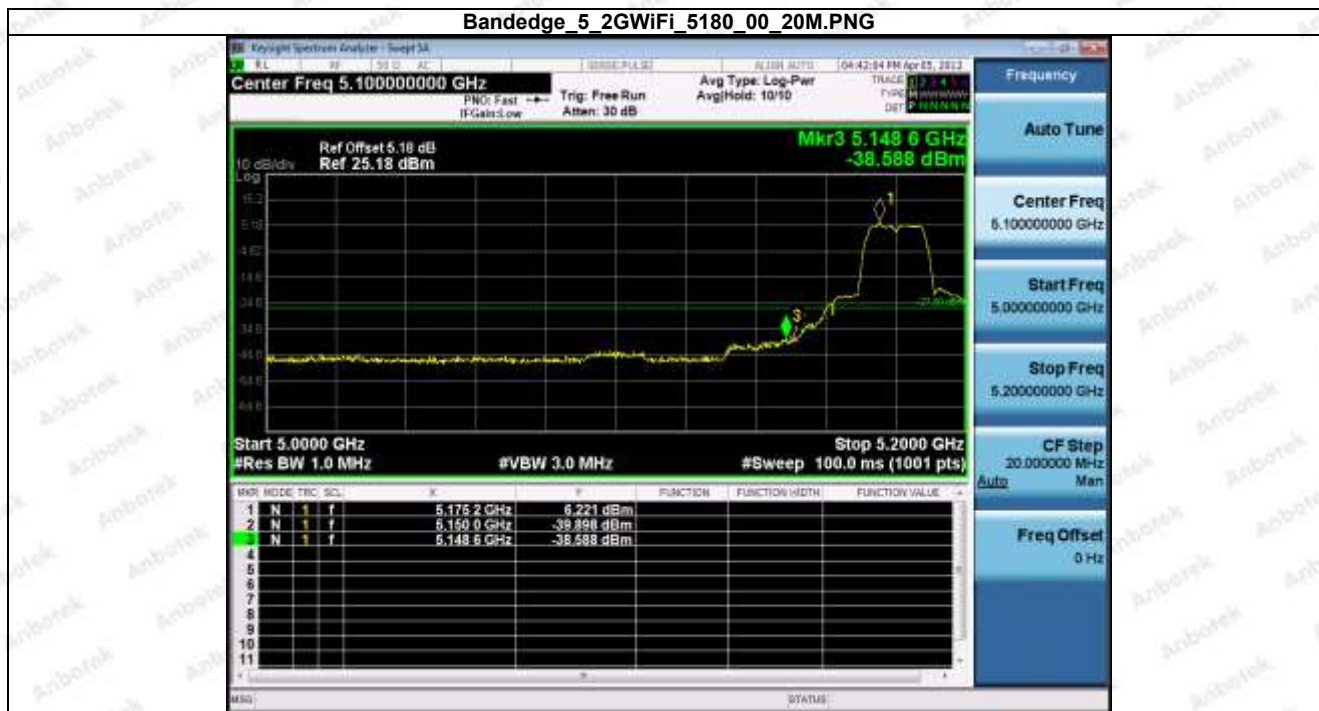
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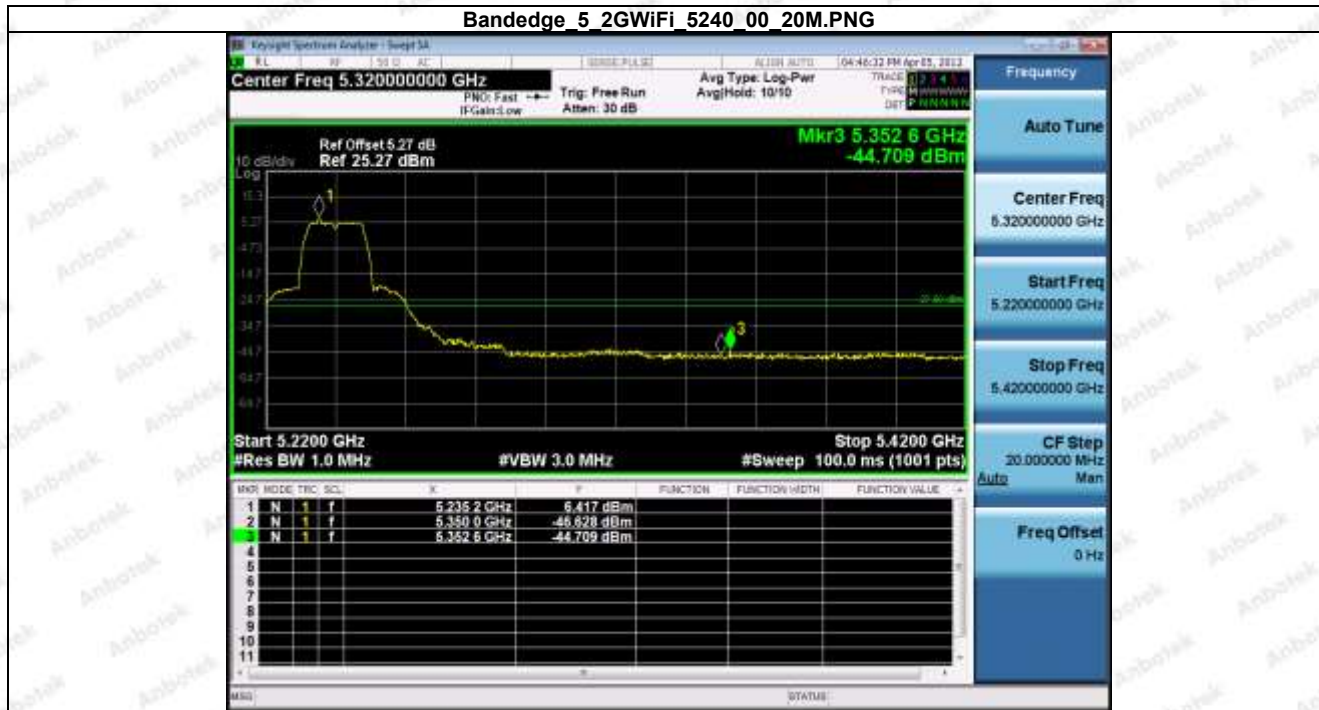
## 5. Bandedge

Condition	Antenna	Modulation	Max. Mark frequency	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5148.60	-38.59	-27	Pass
NVNT	ANT1	802.11a	5352.60	-44.71	-27	Pass
NVNT	ANT1	802.11n(HT20)	5147.40	-38.33	-27	Pass
NVNT	ANT1	802.11n(HT20)	5396.20	-44.48	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5148.20	-39.13	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	5419.20	-44.88	-27	Pass
NVNT	ANT1	802.11n(HT40)	5149.60	-30.85	-27	Pass
NVNT	ANT1	802.11n(HT40)	5380.80	-44.62	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5145.86	-31.25	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	5413.20	-44.26	-27	Pass

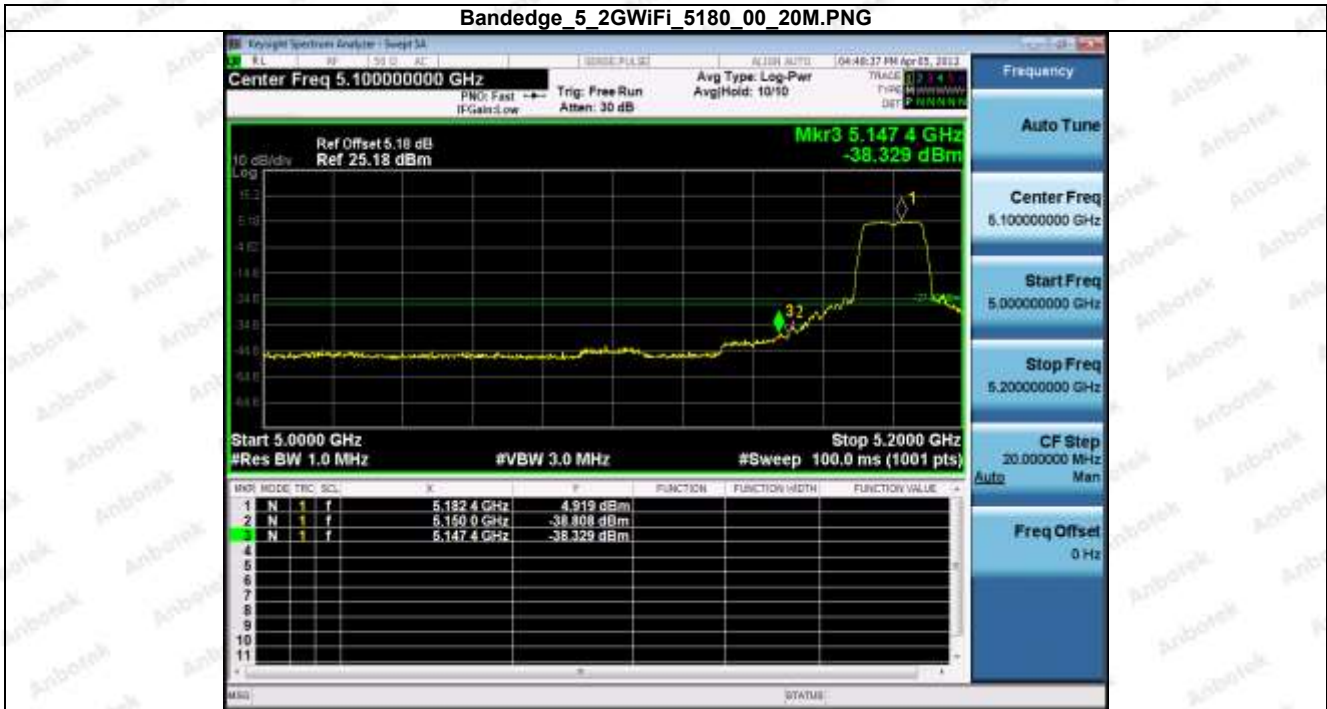
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Bandedge\_5\_2GWiFi\_5240\_00\_20M.PNG



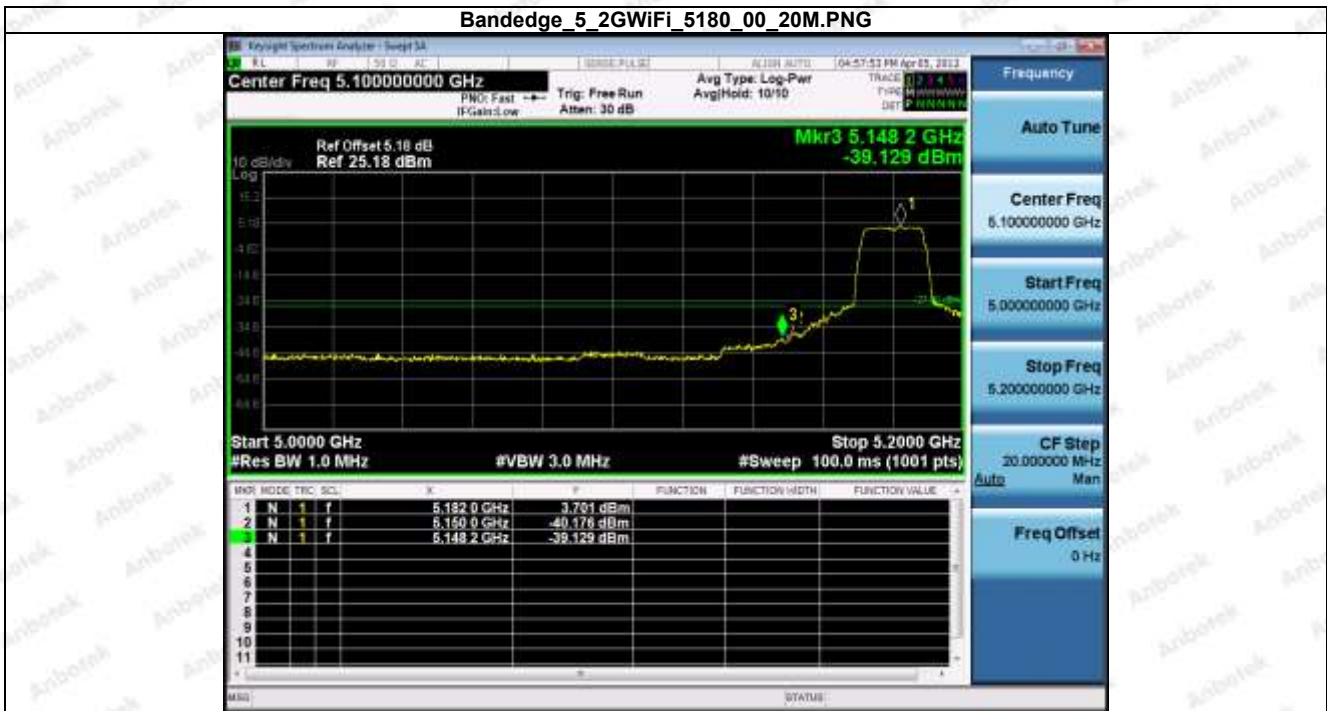
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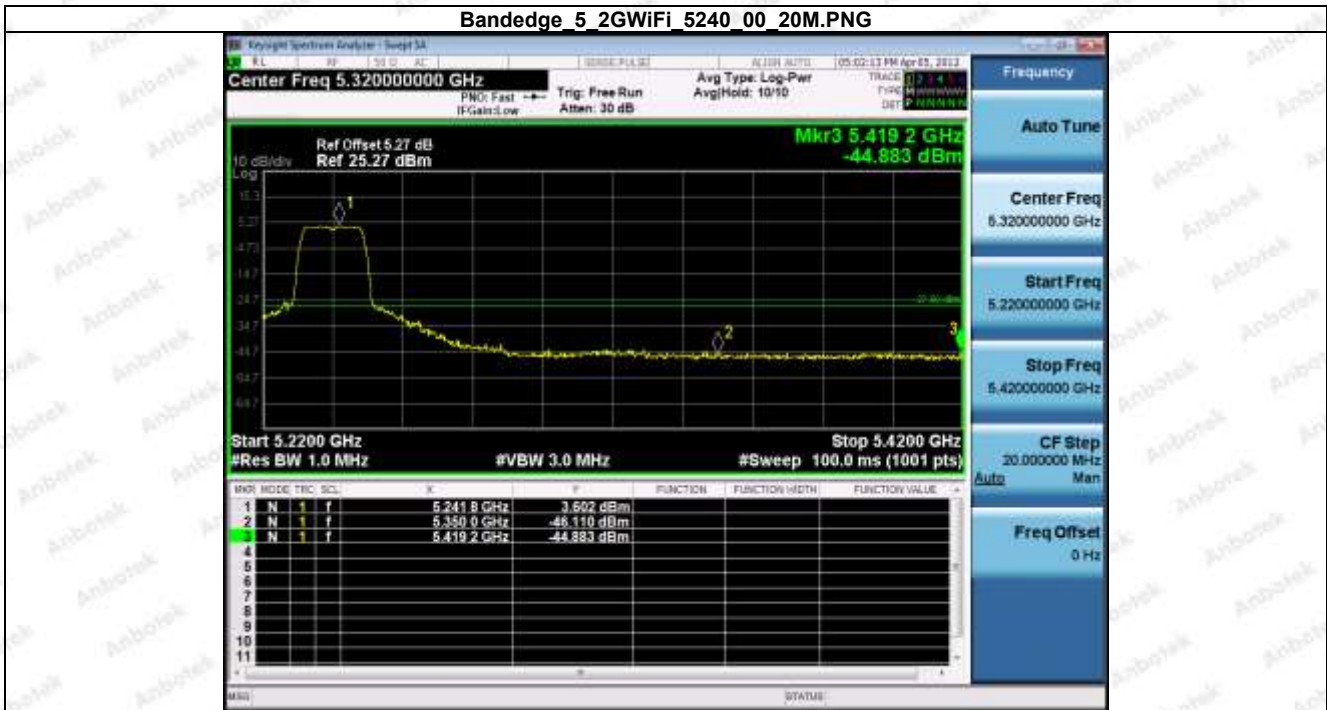
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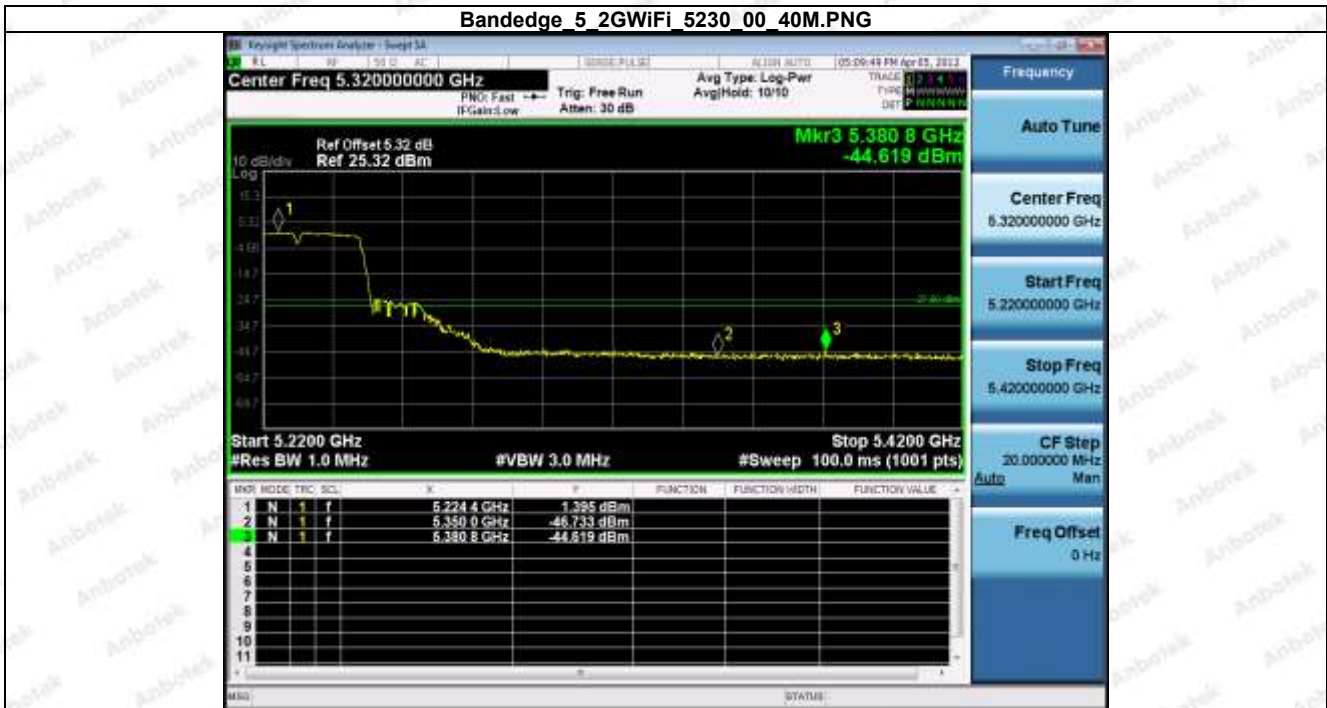
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Bandedge\_5\_2GWiFi\_5230\_00\_40M.PNG



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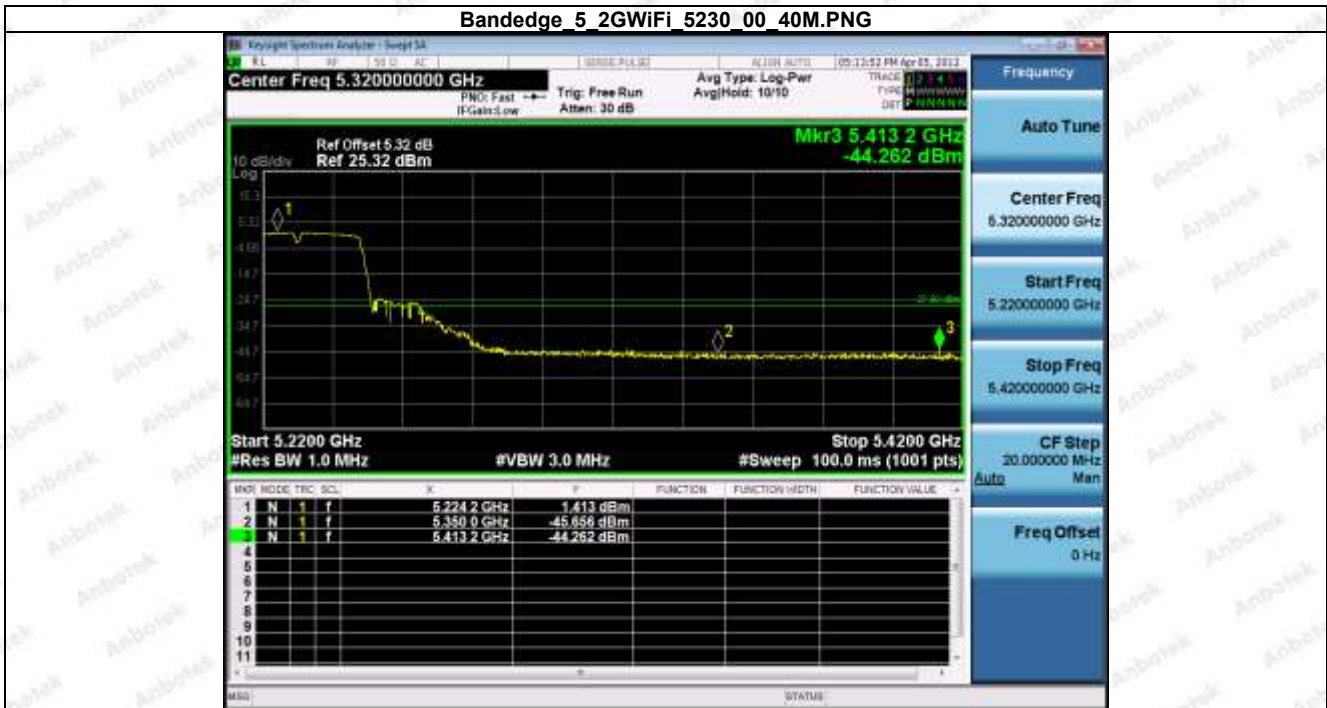
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Bandedge\_5\_2GWiFi\_5190\_00\_40M.PNG



Bandedge\_5\_2GWiFi\_5230\_00\_40M.PNG



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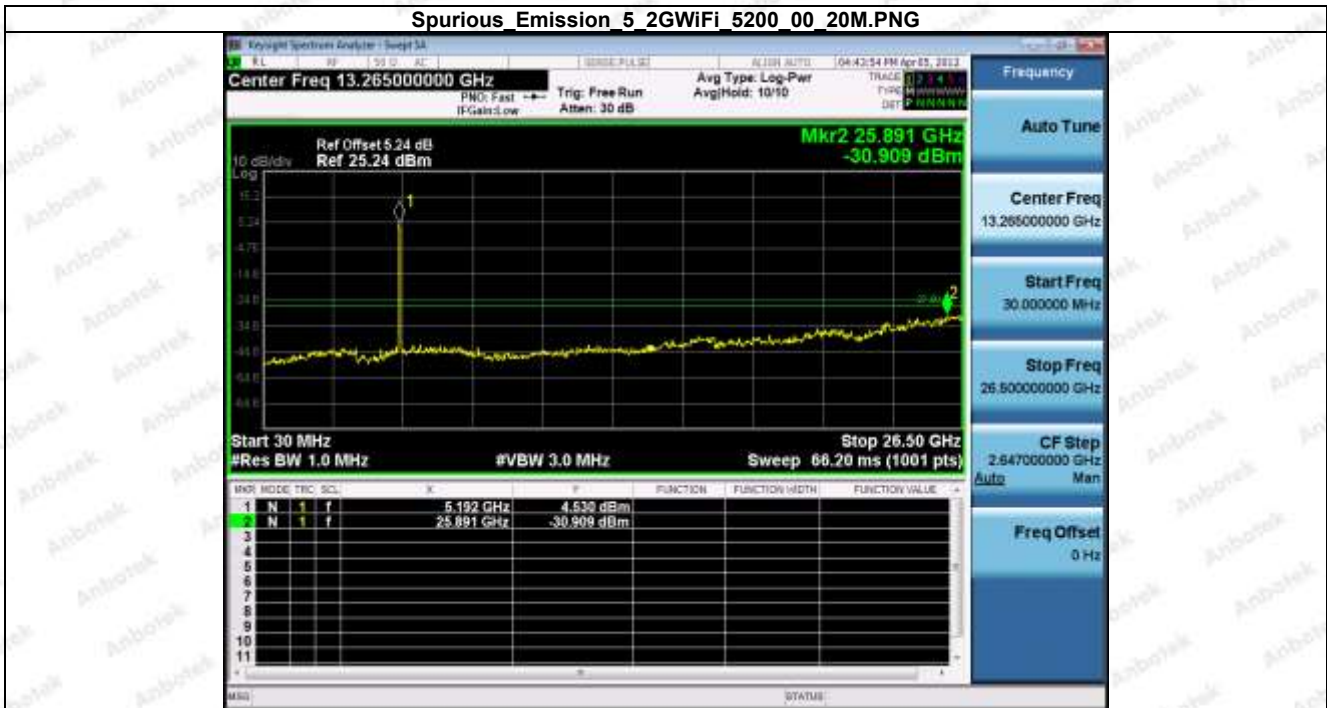
## 6. Spurious Emission

Condition	Antenna	Modulation	Max. Mark frequency	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	26235.30	-30.07	-27	Pass
NVNT	ANT1	802.11a	26341.18	-30.62	-27	Pass
NVNT	ANT1	802.11a	26155.89	-29.67	-27	Pass
NVNT	ANT1	802.11n(HT20)	25997.07	-30.54	-27	Pass
NVNT	ANT1	802.11n(HT20)	26235.30	-30.52	-27	Pass
NVNT	ANT1	802.11n(HT20)	26235.30	-30.13	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	26208.83	-30.86	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	26129.42	-29.61	-27	Pass
NVNT	ANT1	802.11ac(VHT20)	25970.60	-30.87	-27	Pass
NVNT	ANT1	802.11n(HT40)	26129.42	-29.07	-27	Pass
NVNT	ANT1	802.11n(HT40)	26182.36	-30.11	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	26155.89	-29.01	-27	Pass
NVNT	ANT1	802.11ac(VHT40)	26394.12	-29.97	-27	Pass

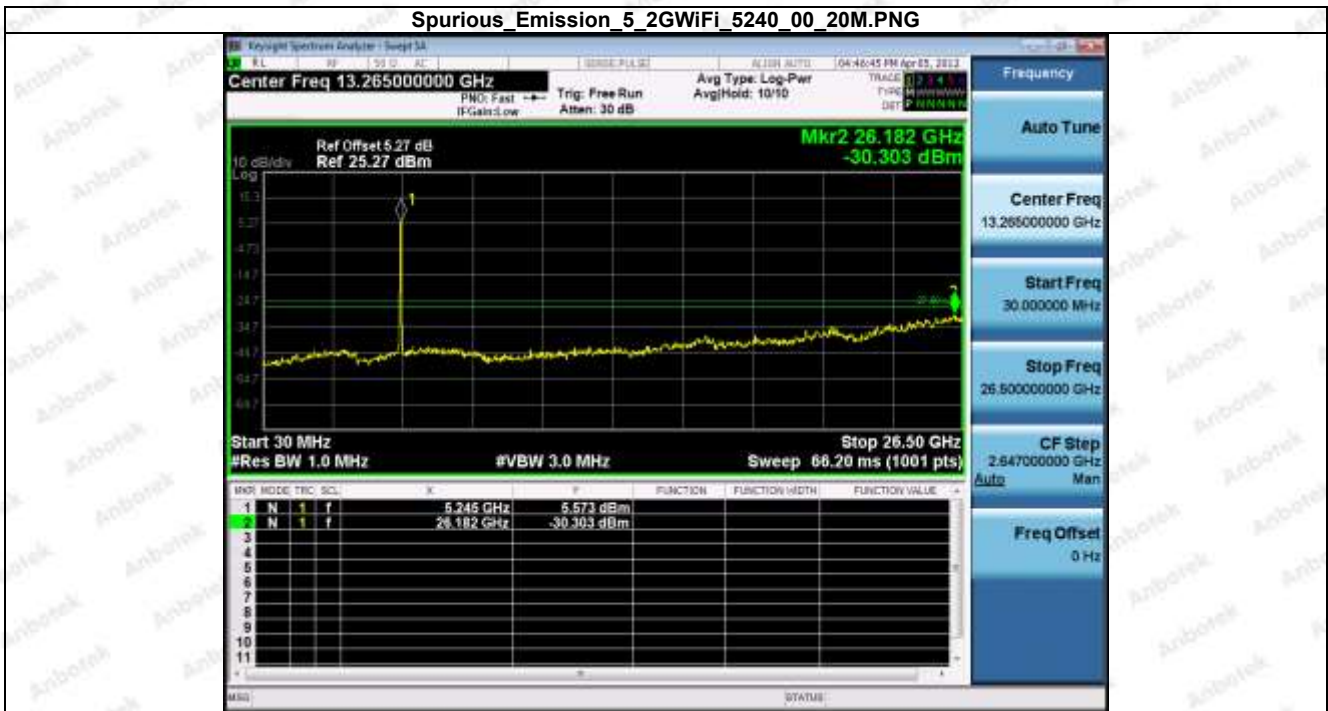
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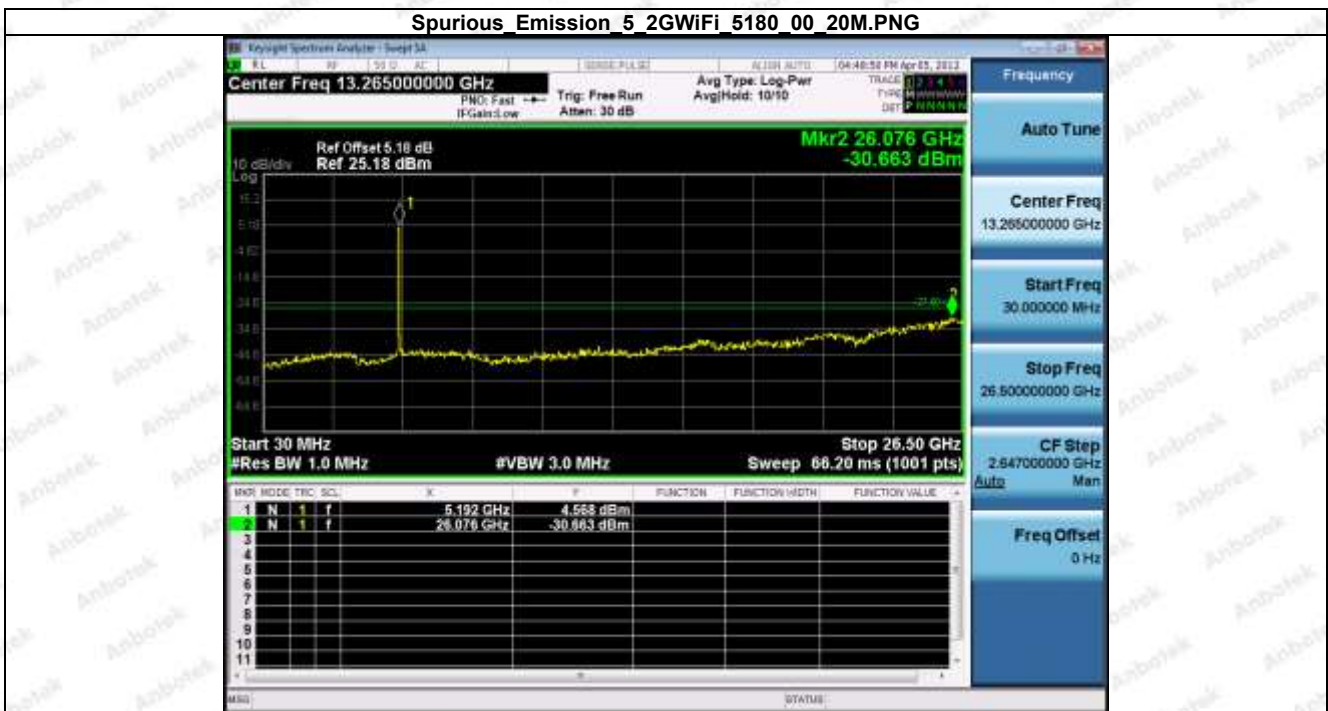
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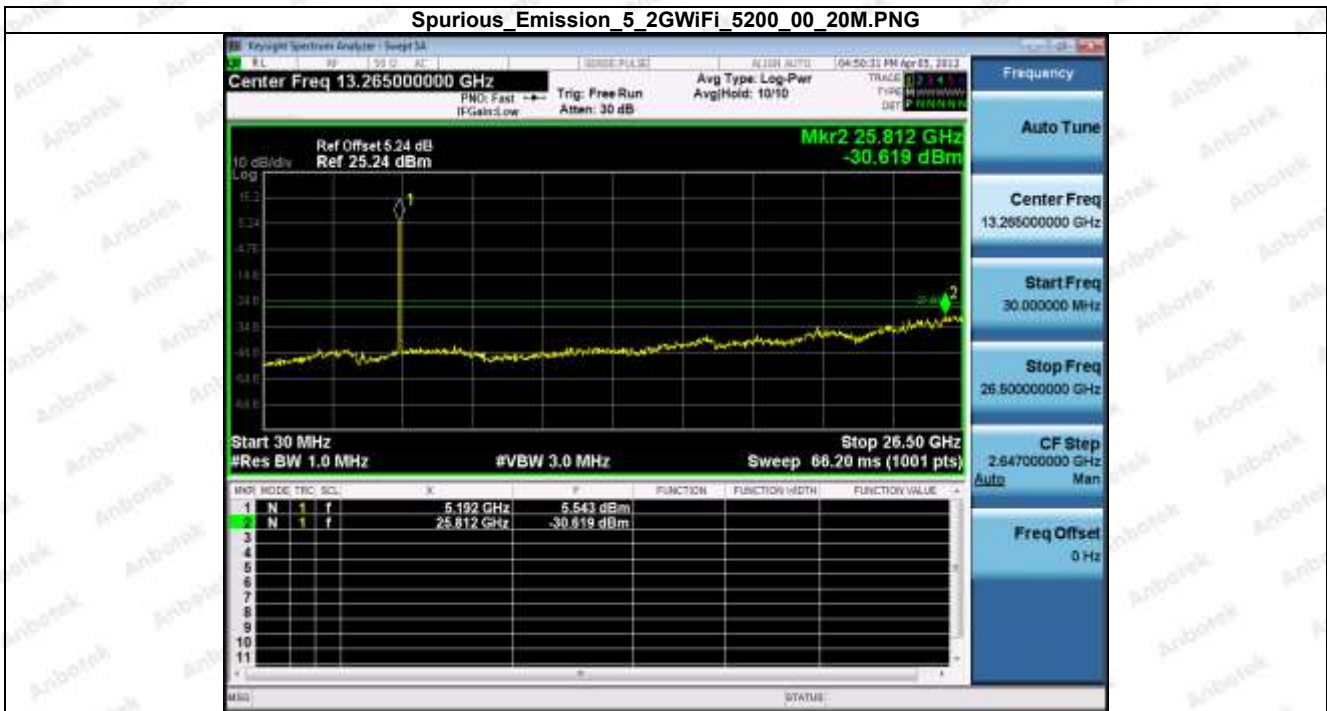
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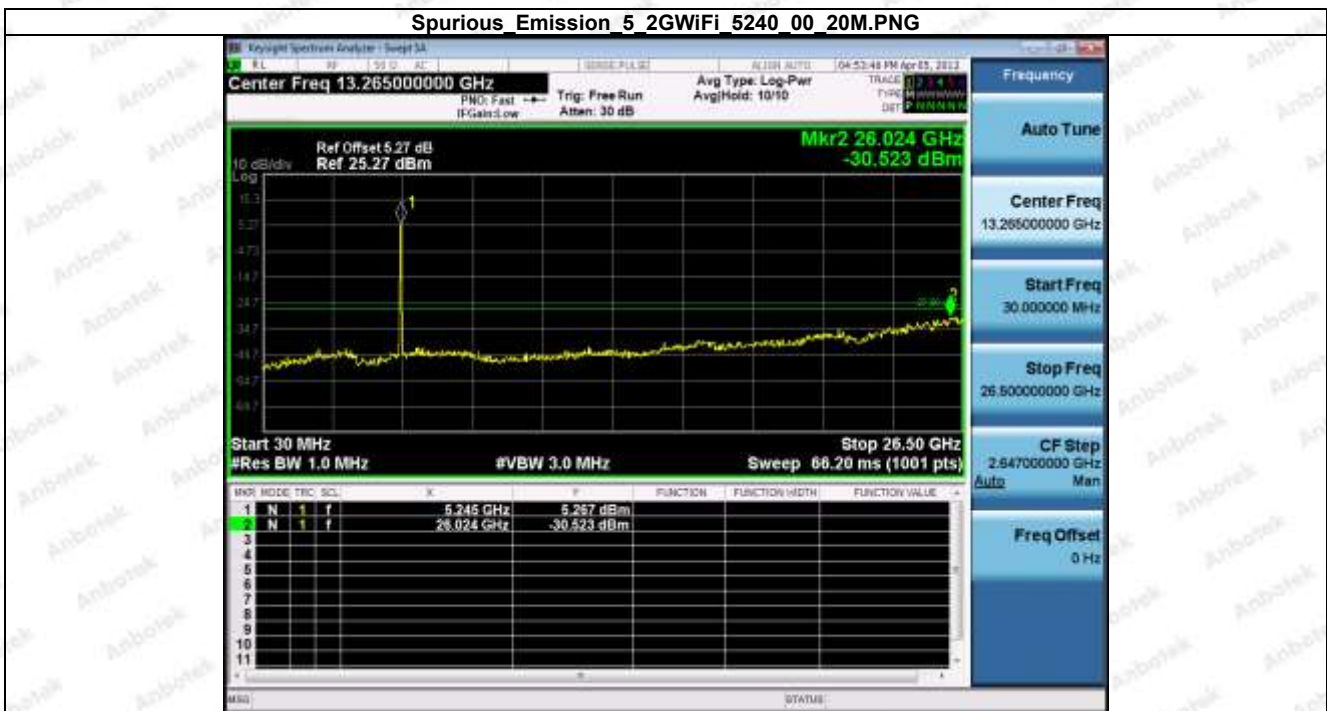
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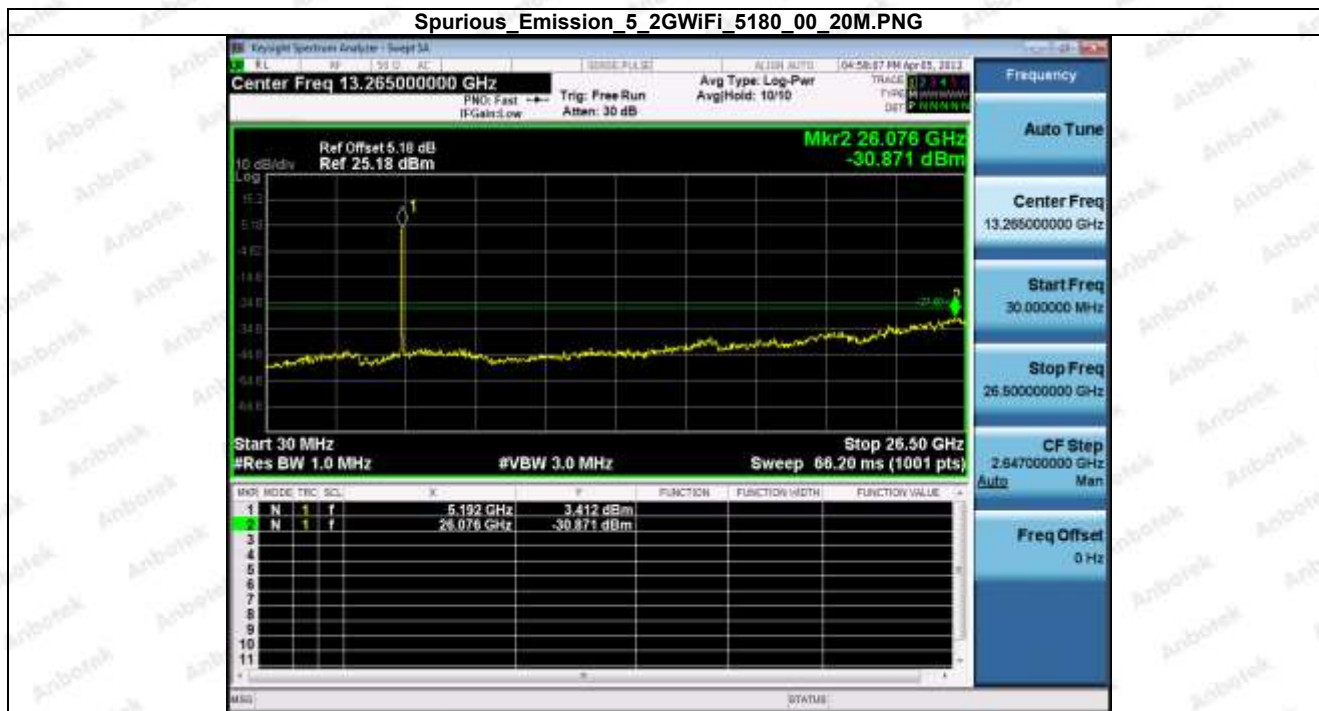
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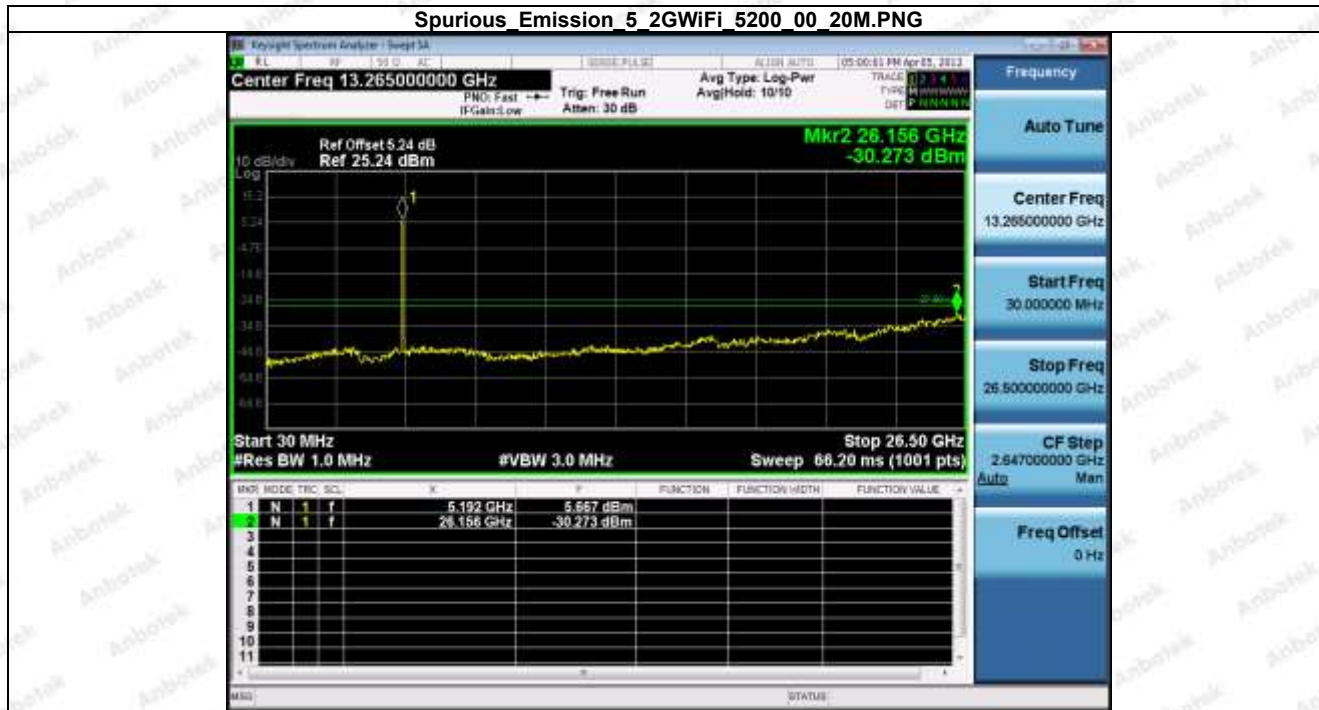
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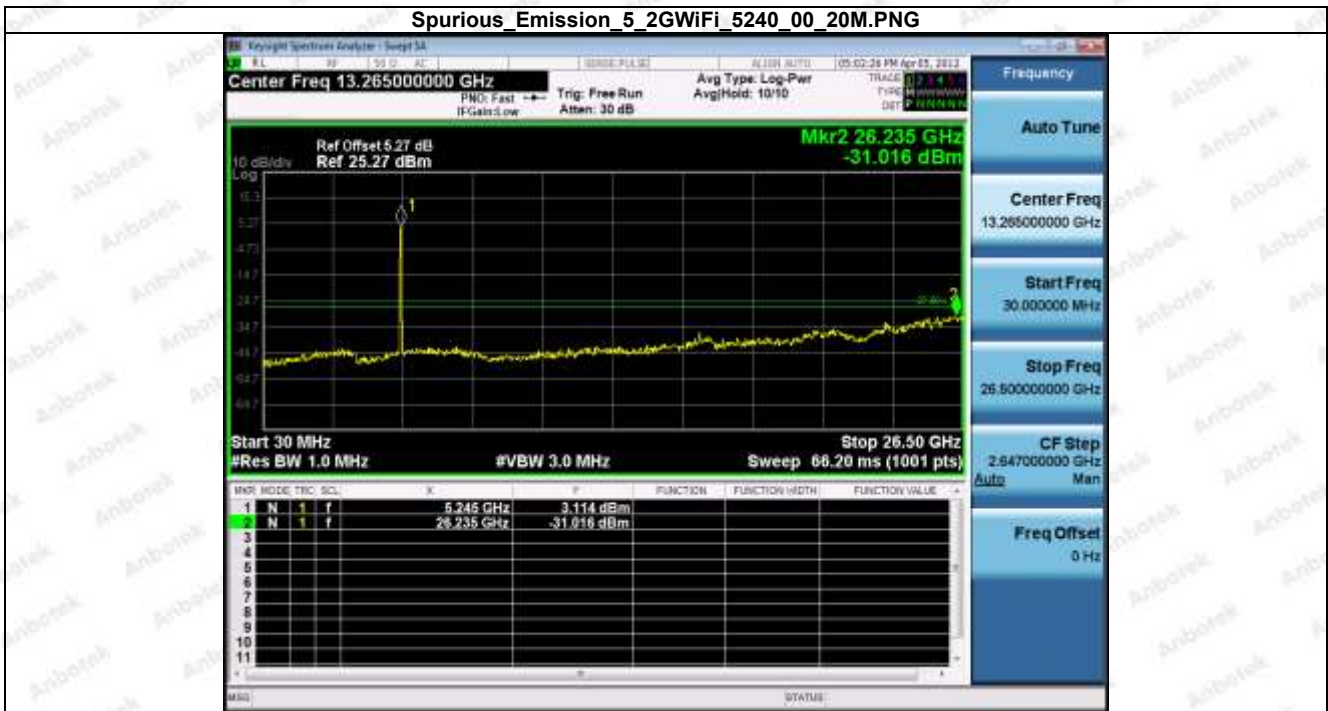
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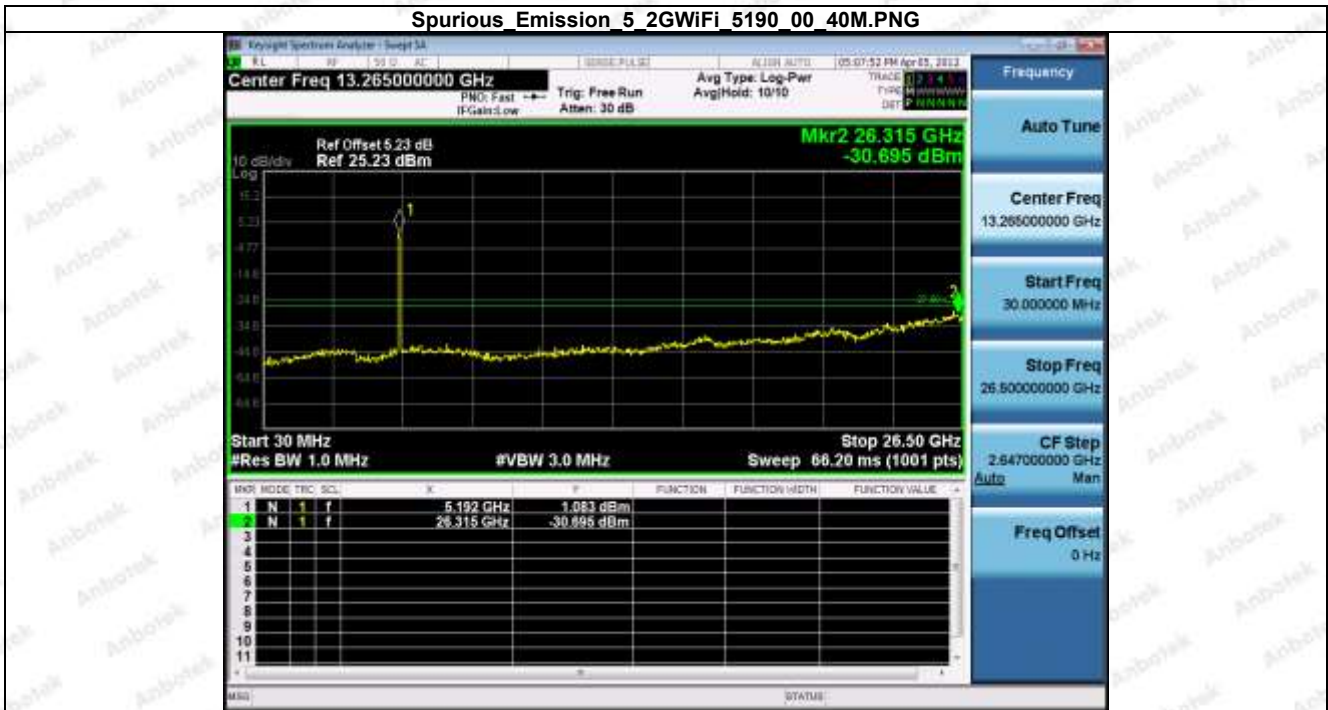
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Spurious Emission 5\_2GWiFi\_5190\_00\_40M.PNG

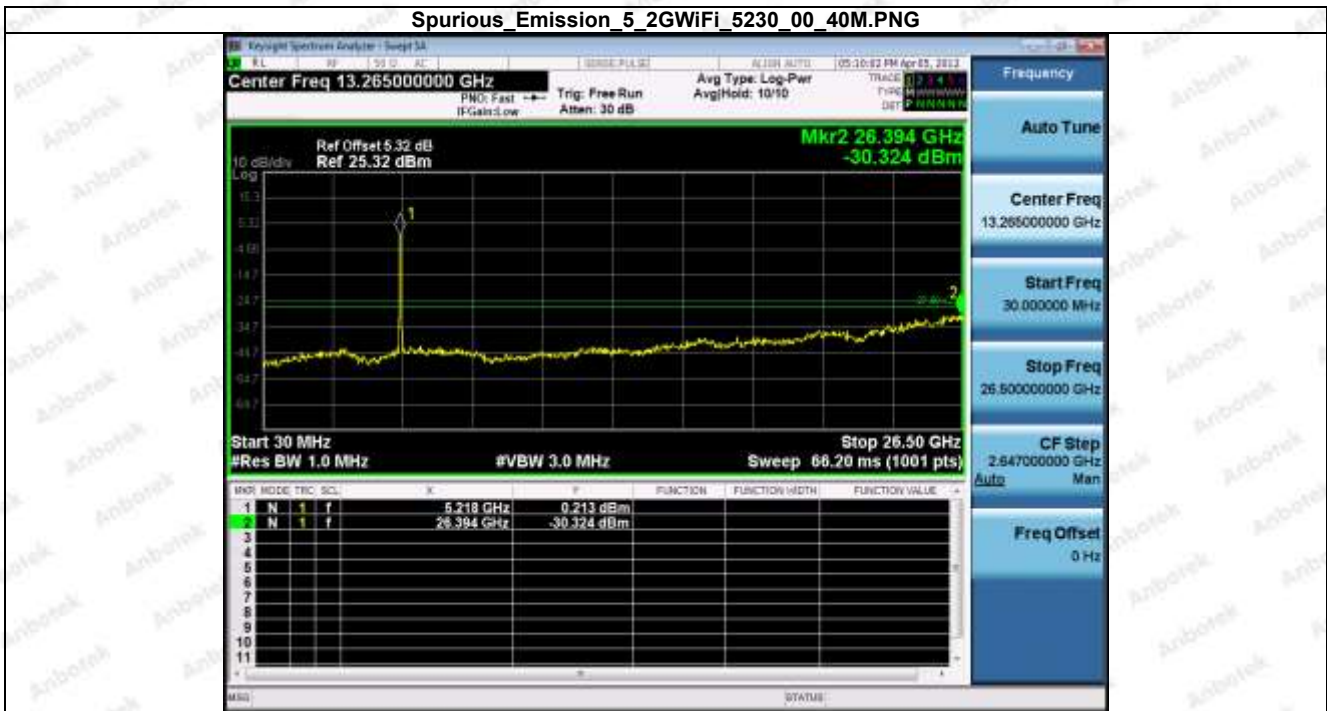


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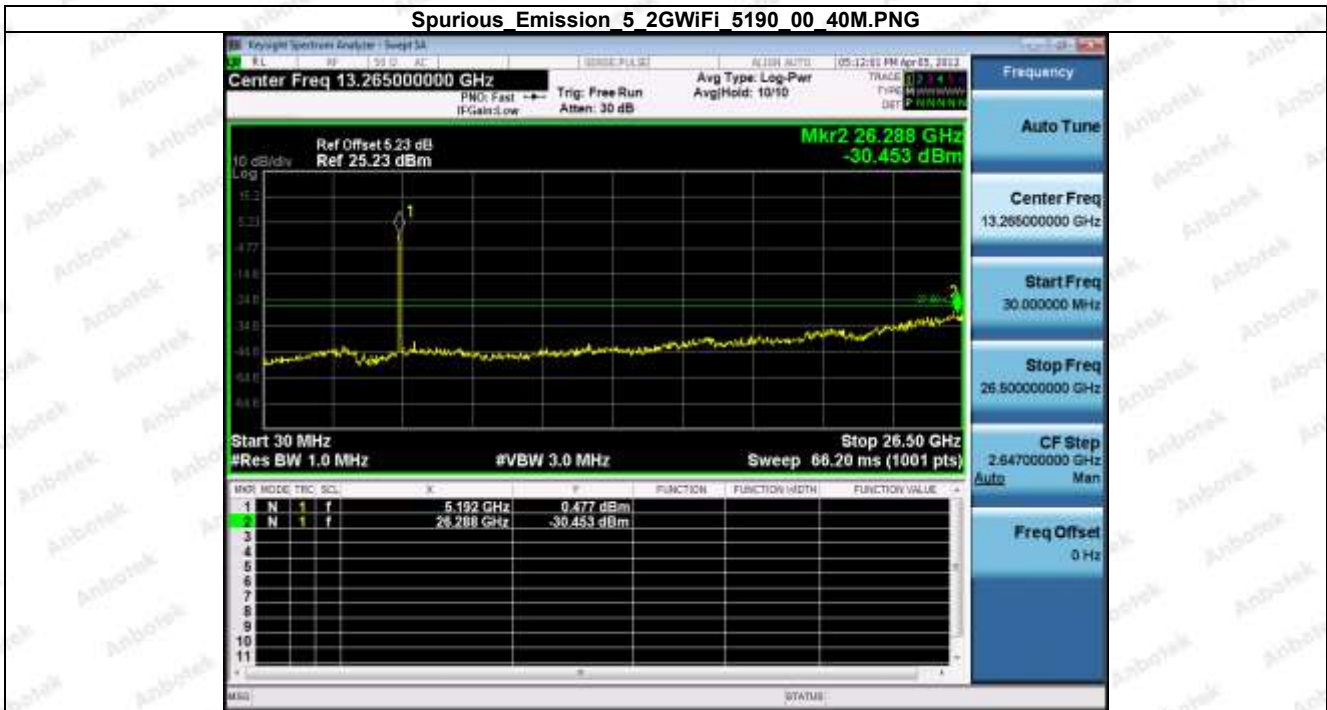
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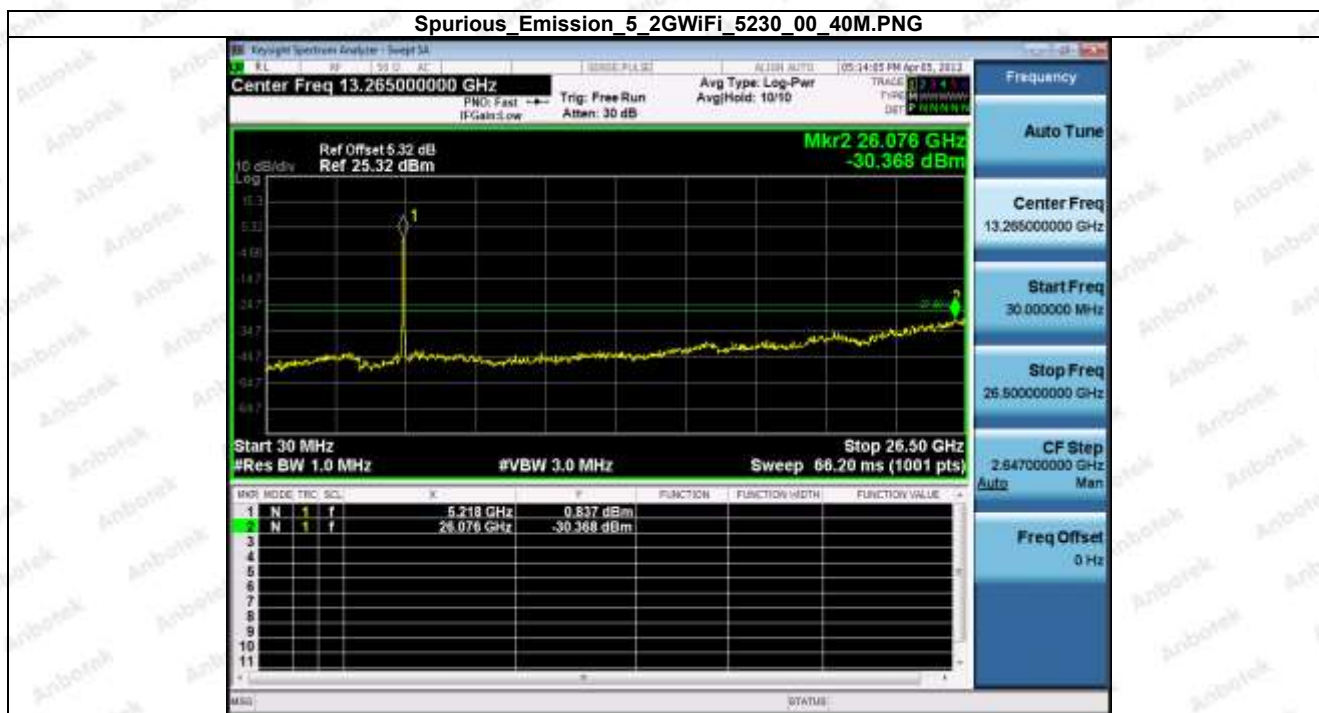
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Spurious Emission 5\_2GWiFi\_5230\_00\_40M.PNG



Spurious Emission 5\_2GWiFi\_5190\_00\_40M.PNG





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