

Appendix Test Data

Report No.:	78340WC20000101	Test Date:	2022.06.10
Test Engineer:	<i>Qing Peng</i>	Auditor:	<i>Andy wang</i>
Temperature:	24.3°C	Relative Humidity:	56.2%
Pressure:	1012 hPa		

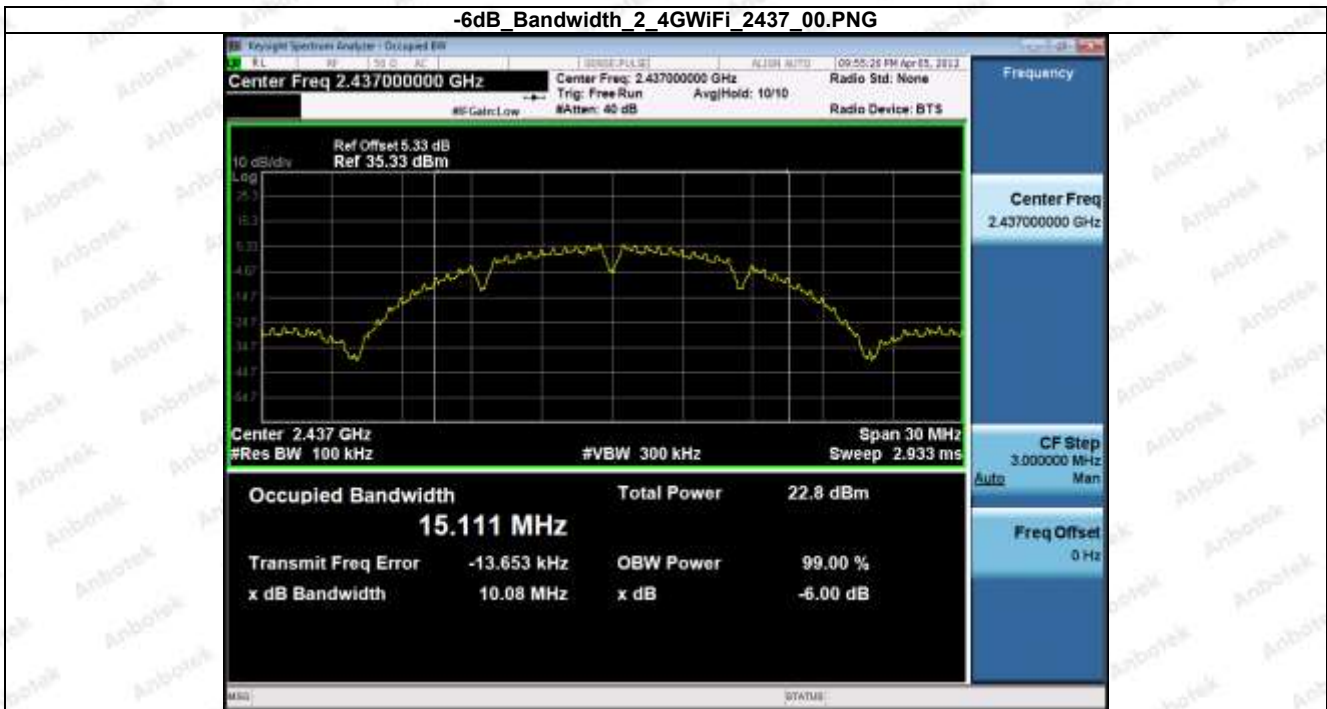
1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.07	500	Pass
NVNT	ANT1	802.11b	2437.00	10.08	500	Pass
NVNT	ANT1	802.11b	2462.00	10.08	500	Pass
NVNT	ANT1	802.11g	2412.00	16.39	500	Pass
NVNT	ANT1	802.11g	2437.00	16.40	500	Pass
NVNT	ANT1	802.11g	2462.00	16.39	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.34	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.36	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.35	500	Pass

-6dB Bandwidth 2_4GWIFI 2412_00.PNG



-6dB Bandwidth 2_4GWIFI 2437_00.PNG



-6dB Bandwidth 2 4GWiFi 2462 00.PNG



-6dB Bandwidth 2 4GWiFi 2412 00.PNG



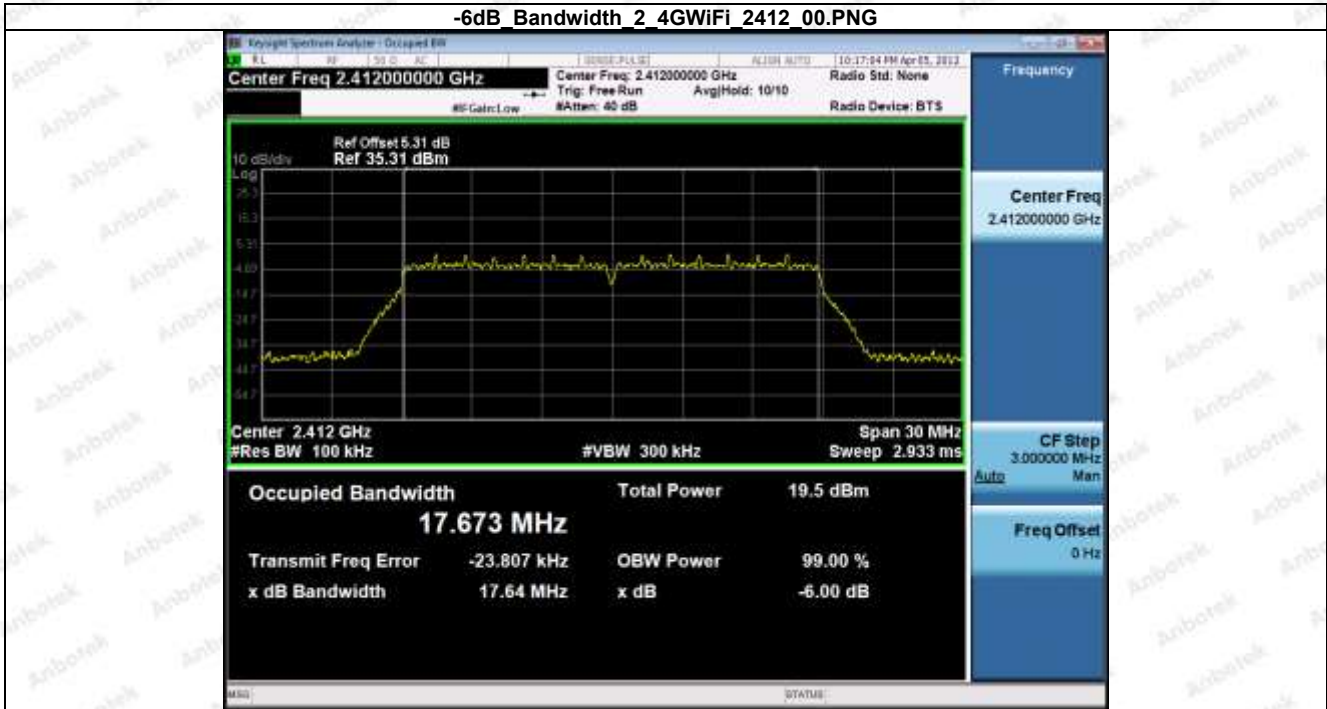
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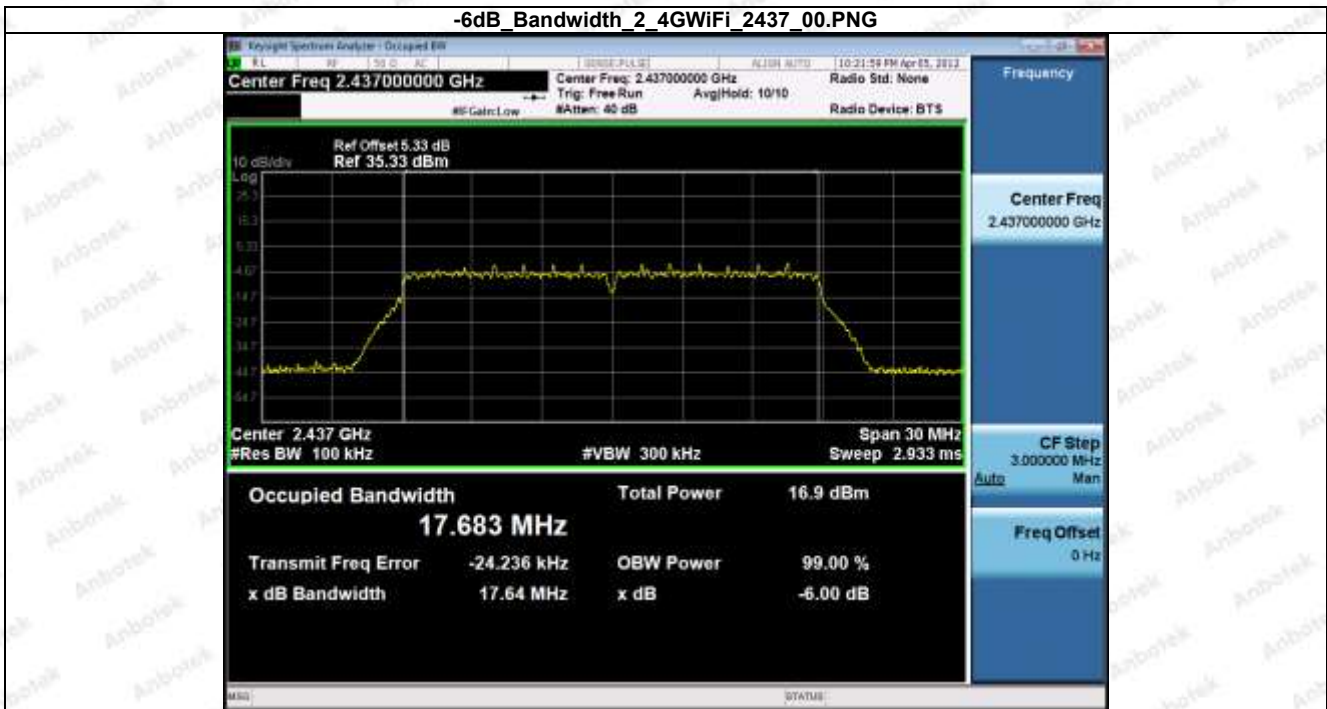
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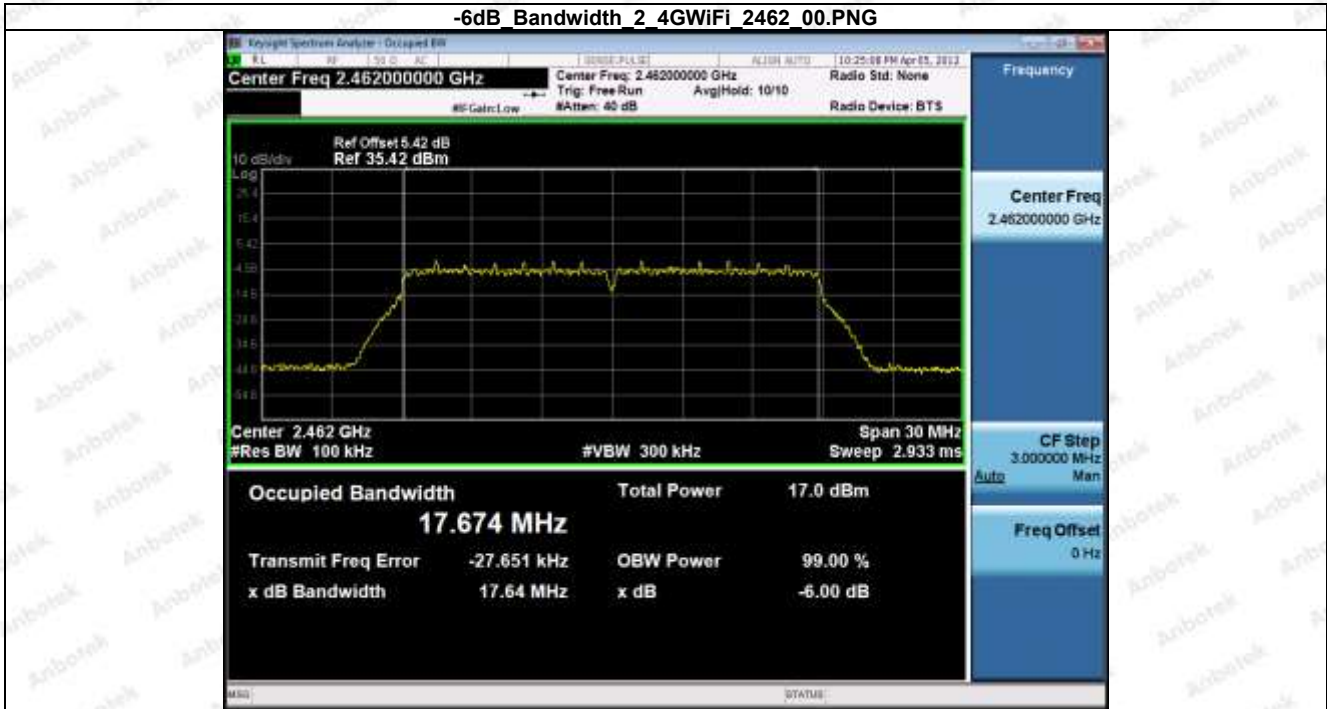
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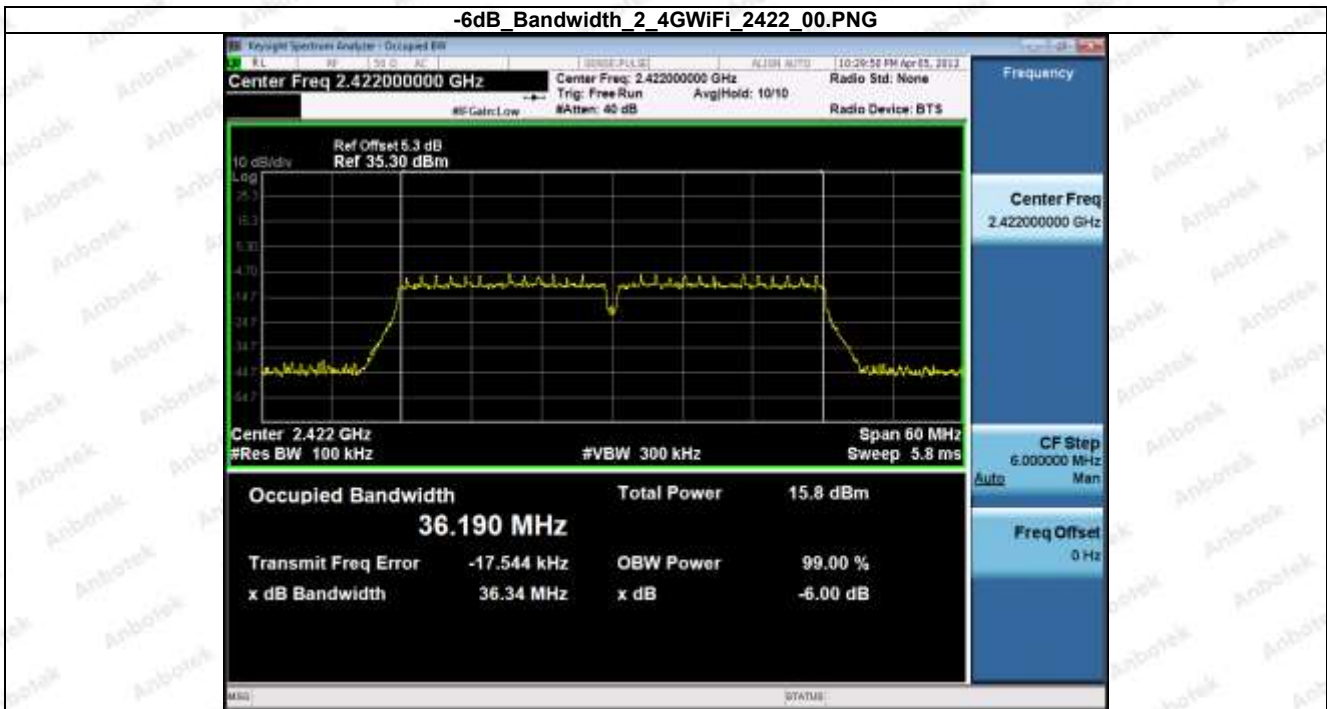
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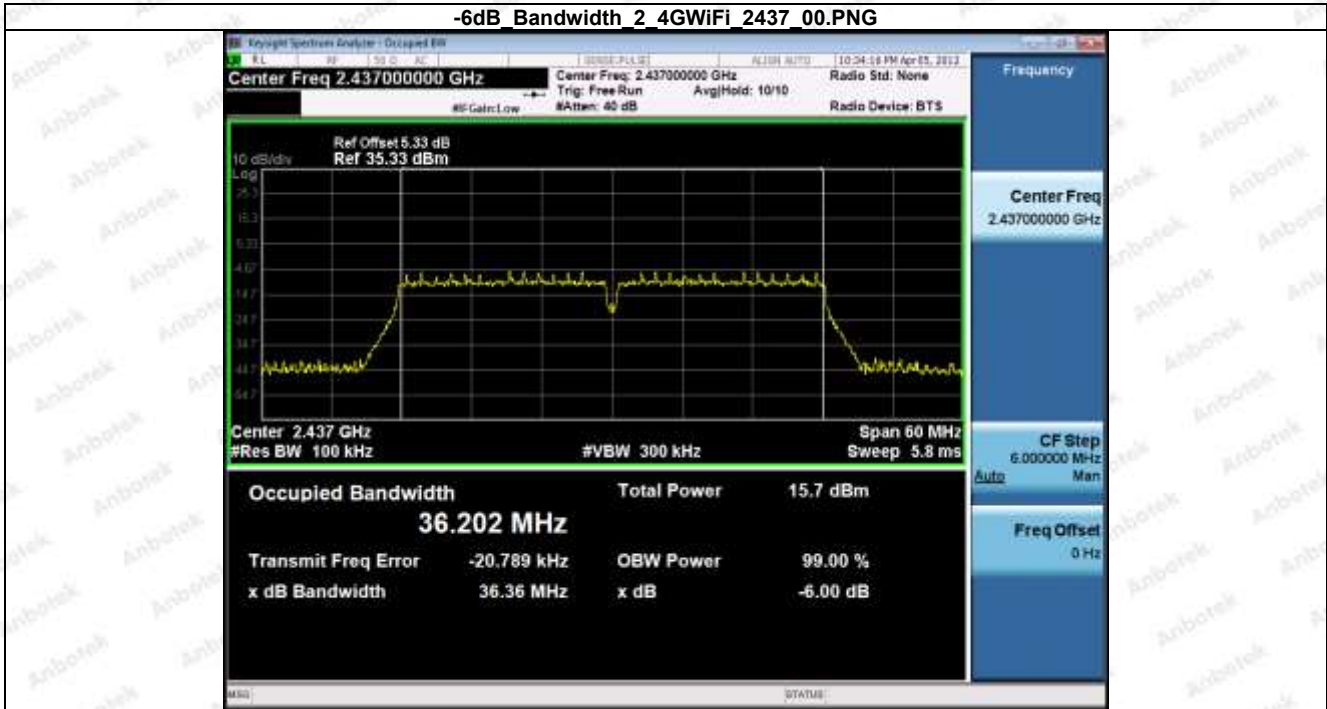
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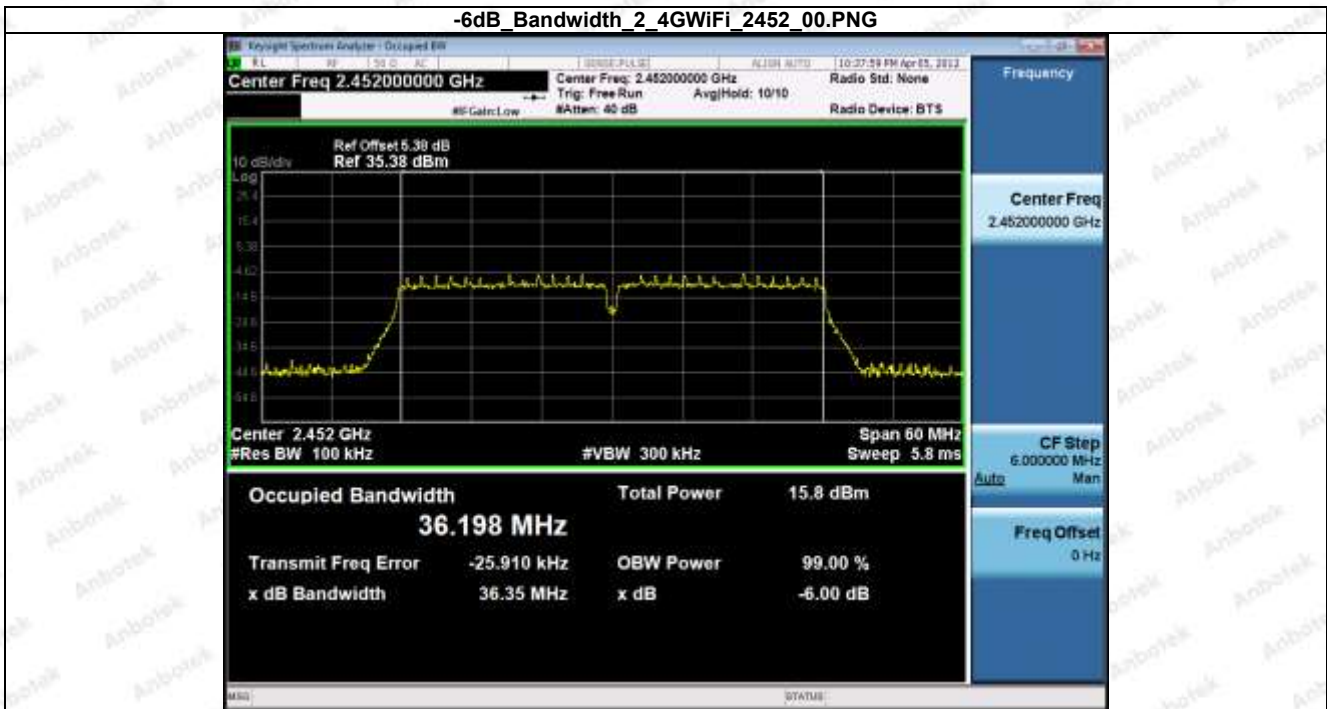
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-6dB Bandwidth 2 4GWIFI 2437 00.PNG



-6dB_Bandwidth_2_4GWIFI_2452_00.PNG



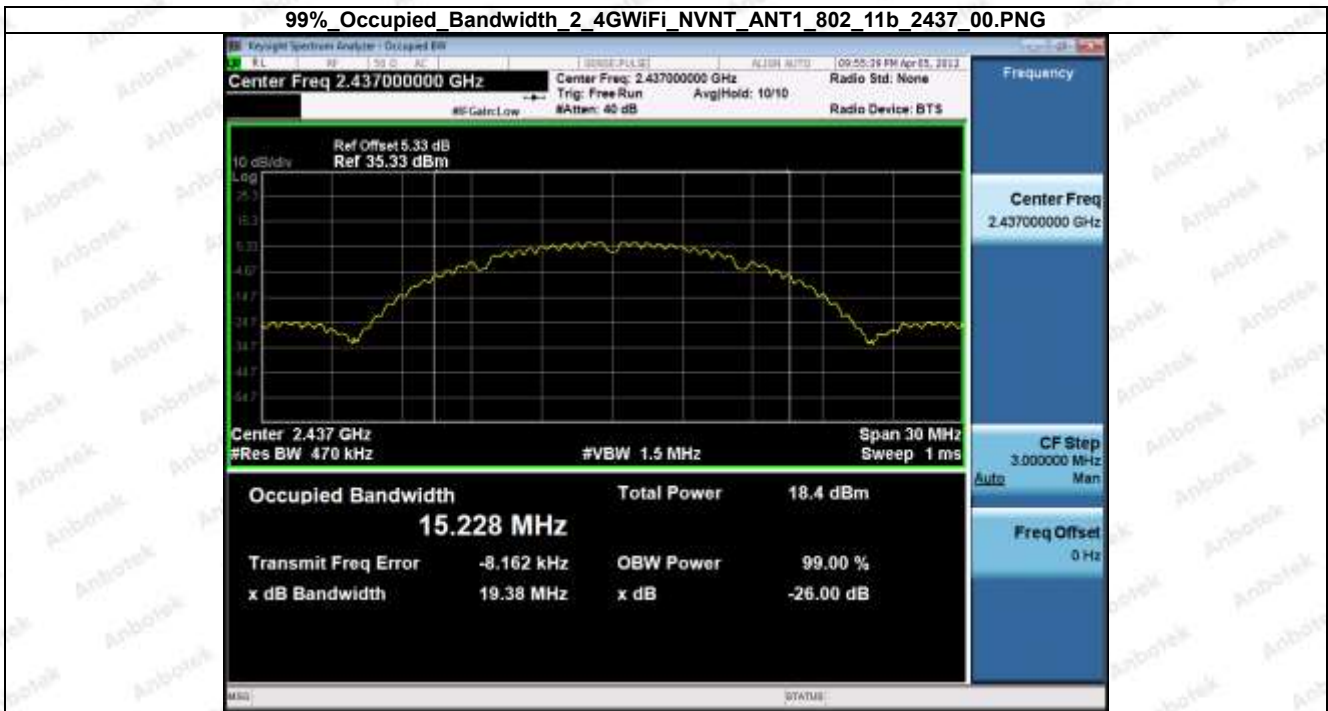
2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	15.194
NVNT	ANT1	802.11b	2437.00	15.228
NVNT	ANT1	802.11b	2462.00	15.231
NVNT	ANT1	802.11g	2412.00	17.609
NVNT	ANT1	802.11g	2437.00	17.559
NVNT	ANT1	802.11g	2462.00	17.599
NVNT	ANT1	802.11n(HT20)	2412.00	18.354
NVNT	ANT1	802.11n(HT20)	2437.00	18.355
NVNT	ANT1	802.11n(HT20)	2462.00	18.346
NVNT	ANT1	802.11n(HT40)	2422.00	36.842
NVNT	ANT1	802.11n(HT40)	2437.00	36.849
NVNT	ANT1	802.11n(HT40)	2452.00	36.817

99% Occupied Bandwidth 2 4GWIFI_NVNT_ANT1_802_11b_2412_00.PNG



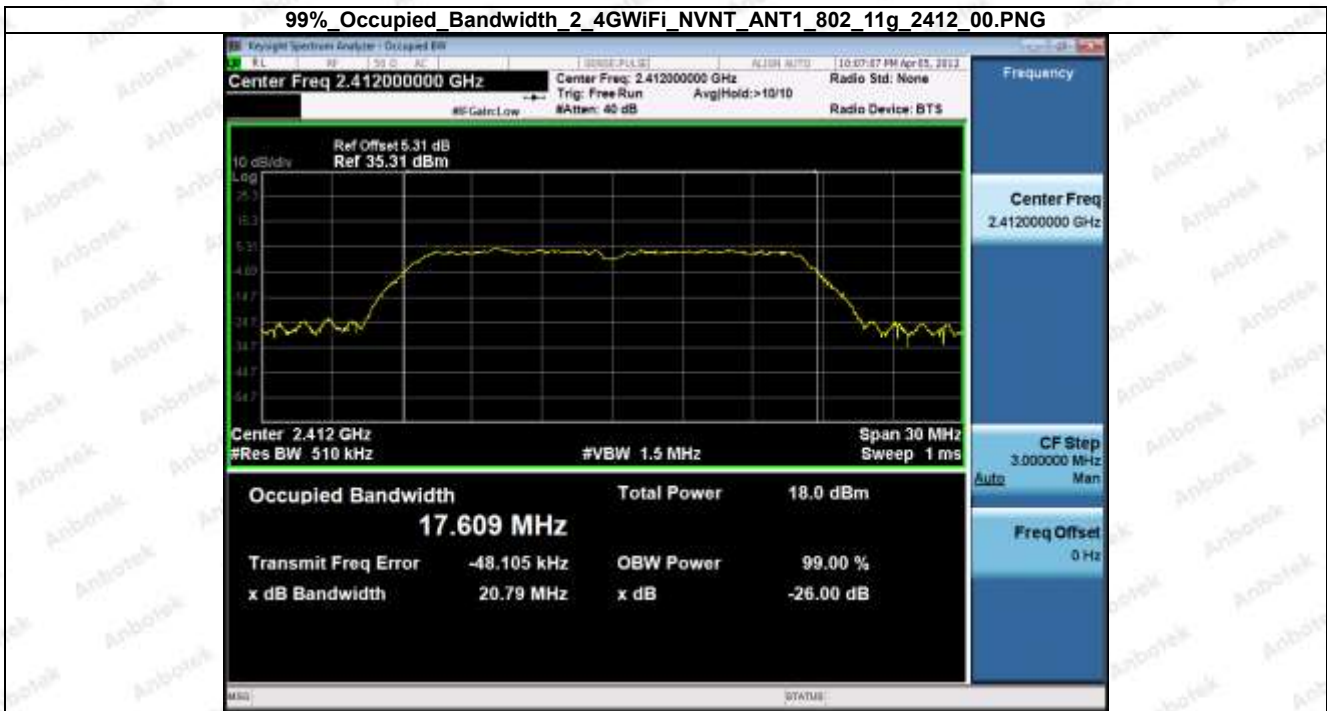
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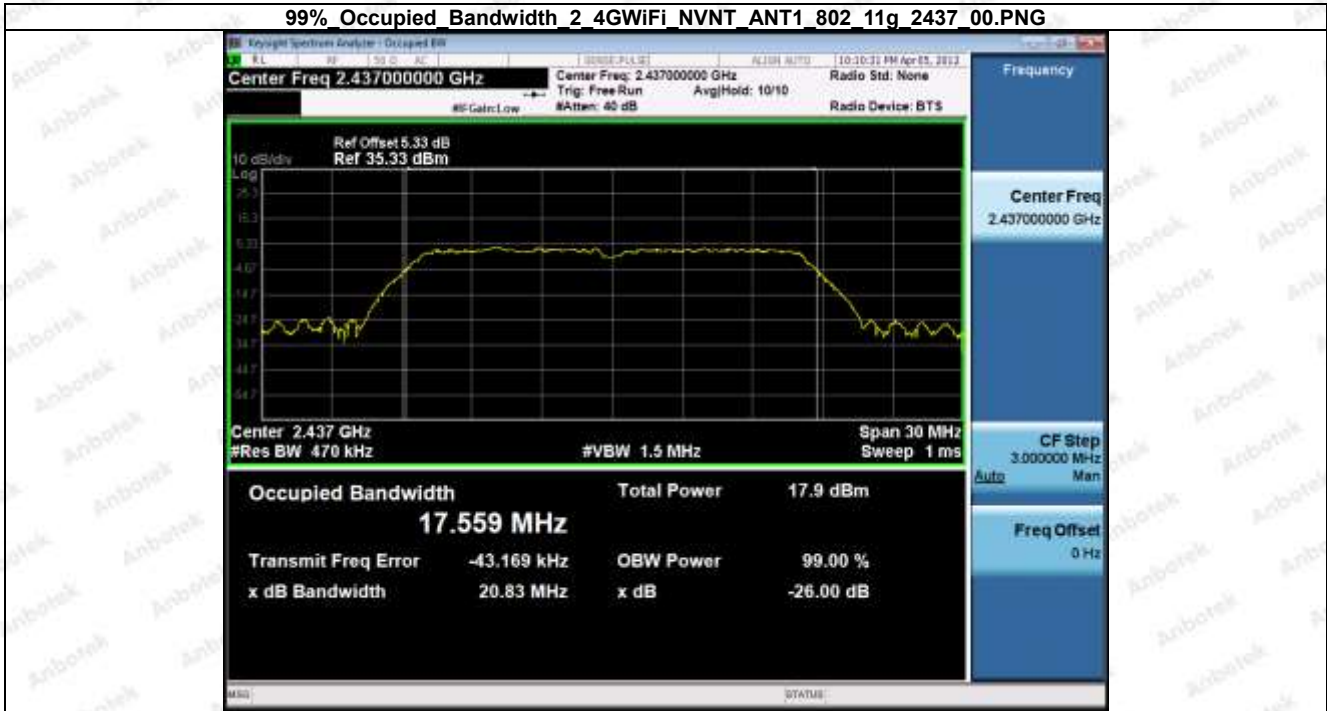
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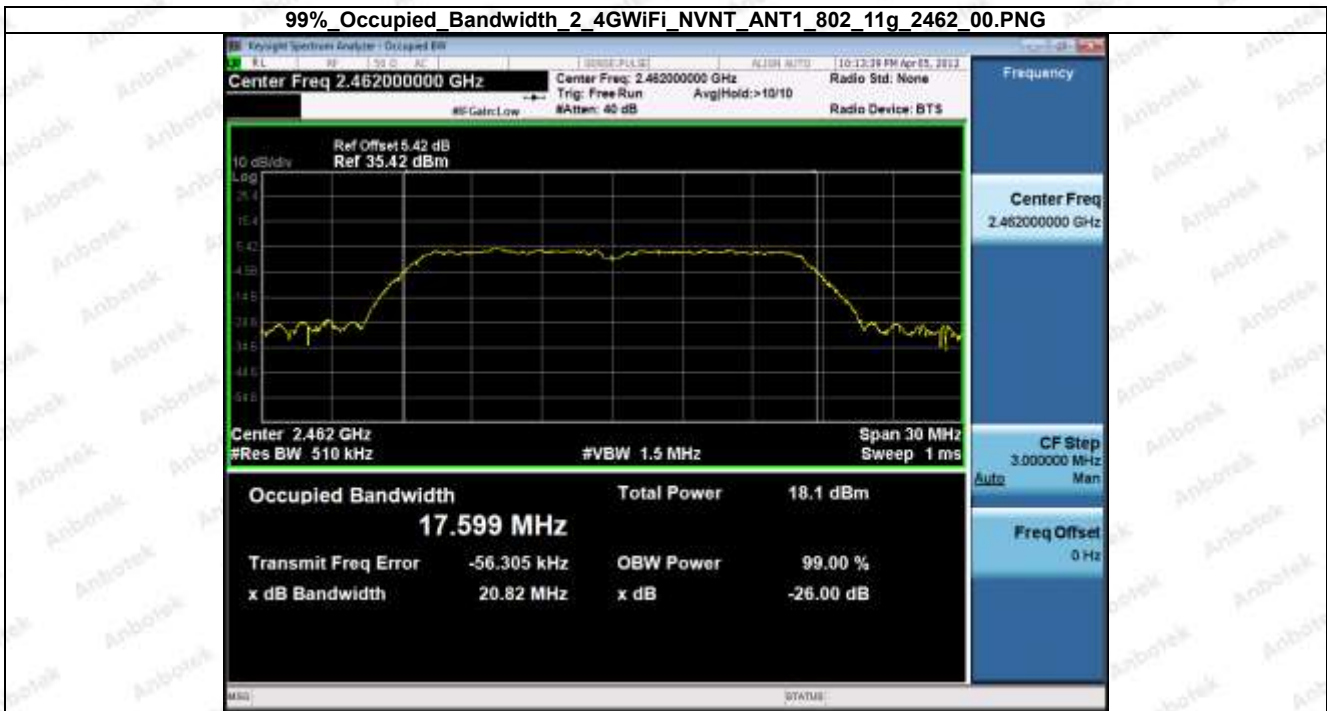
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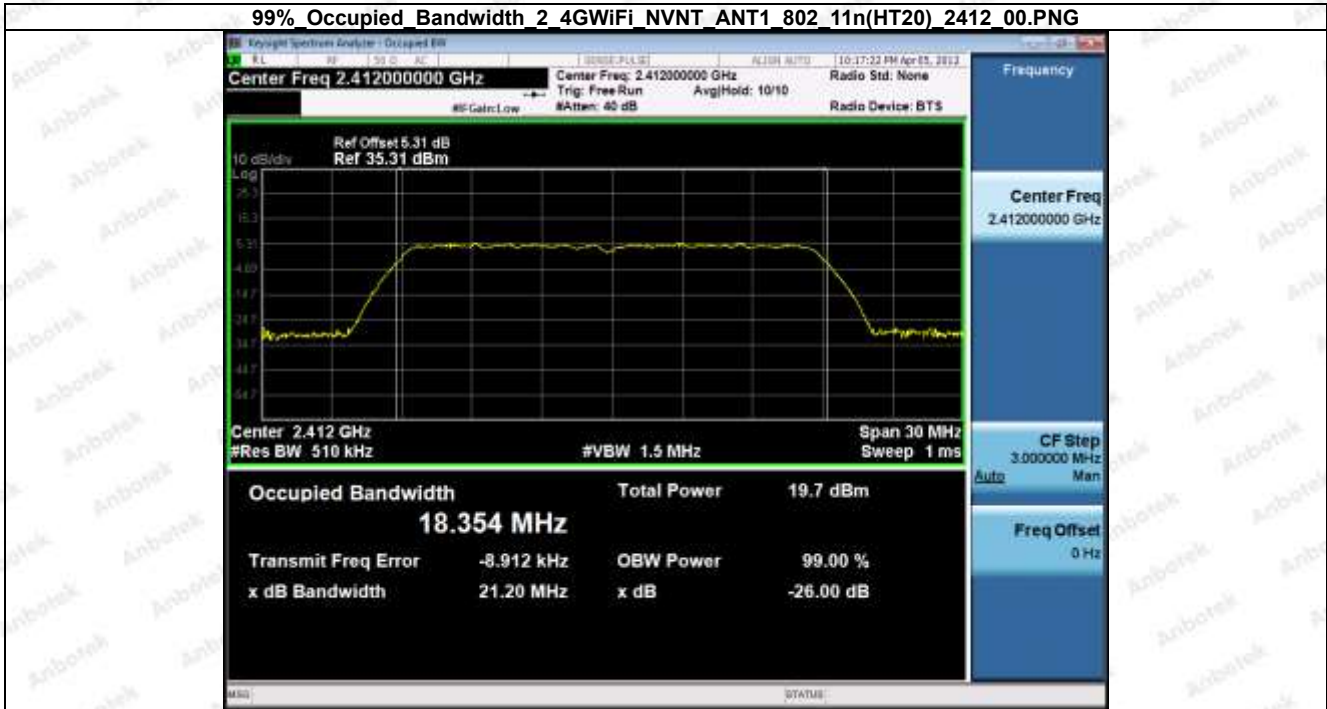
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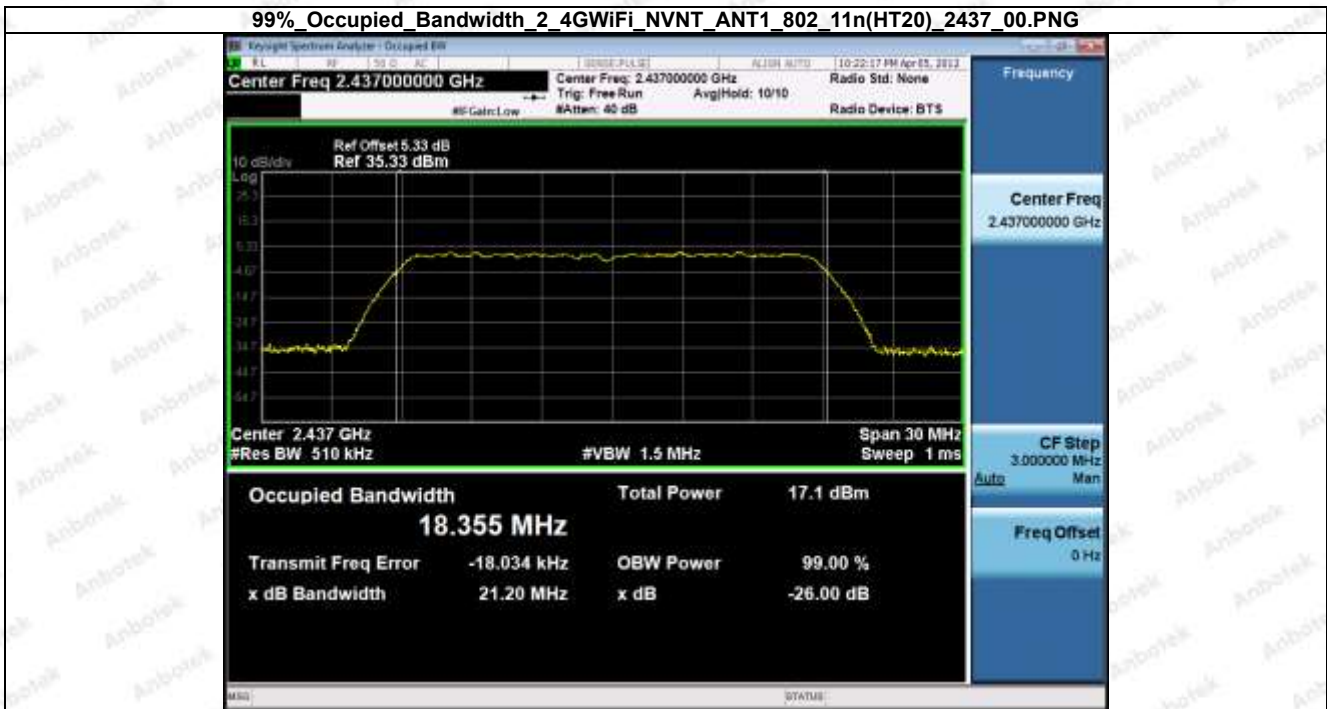
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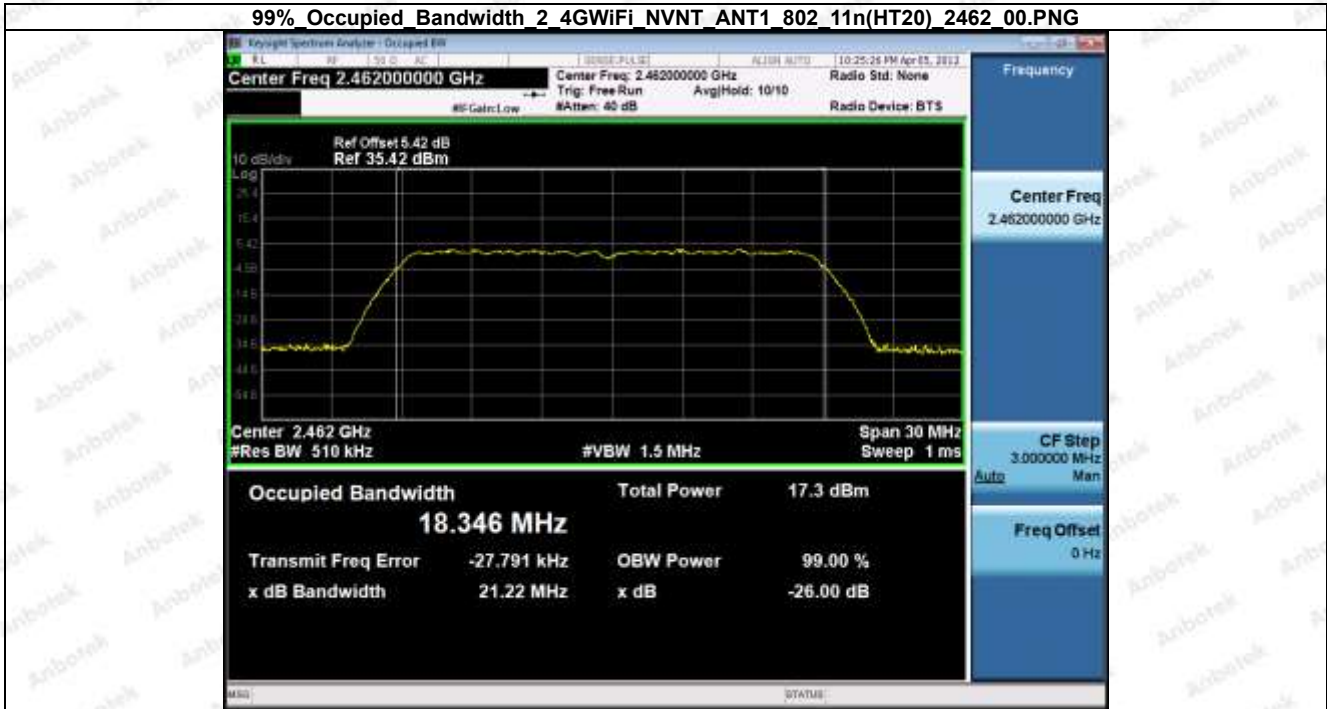
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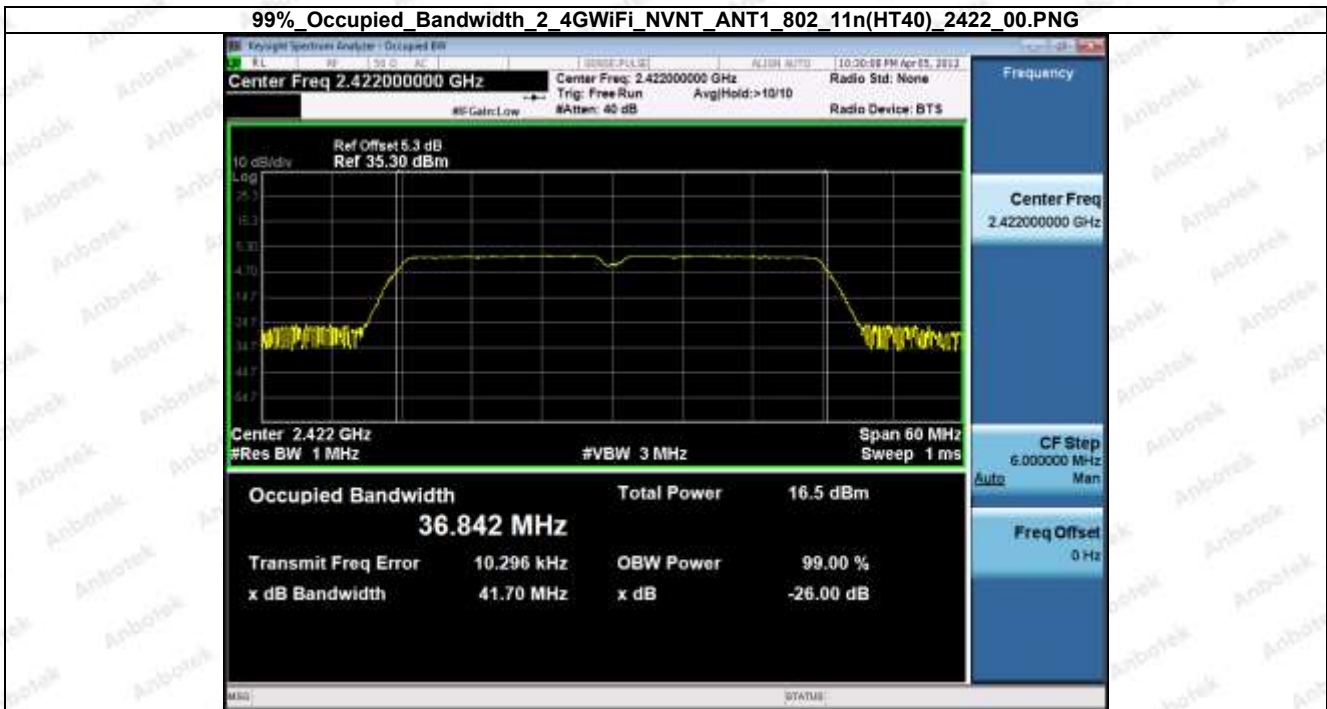
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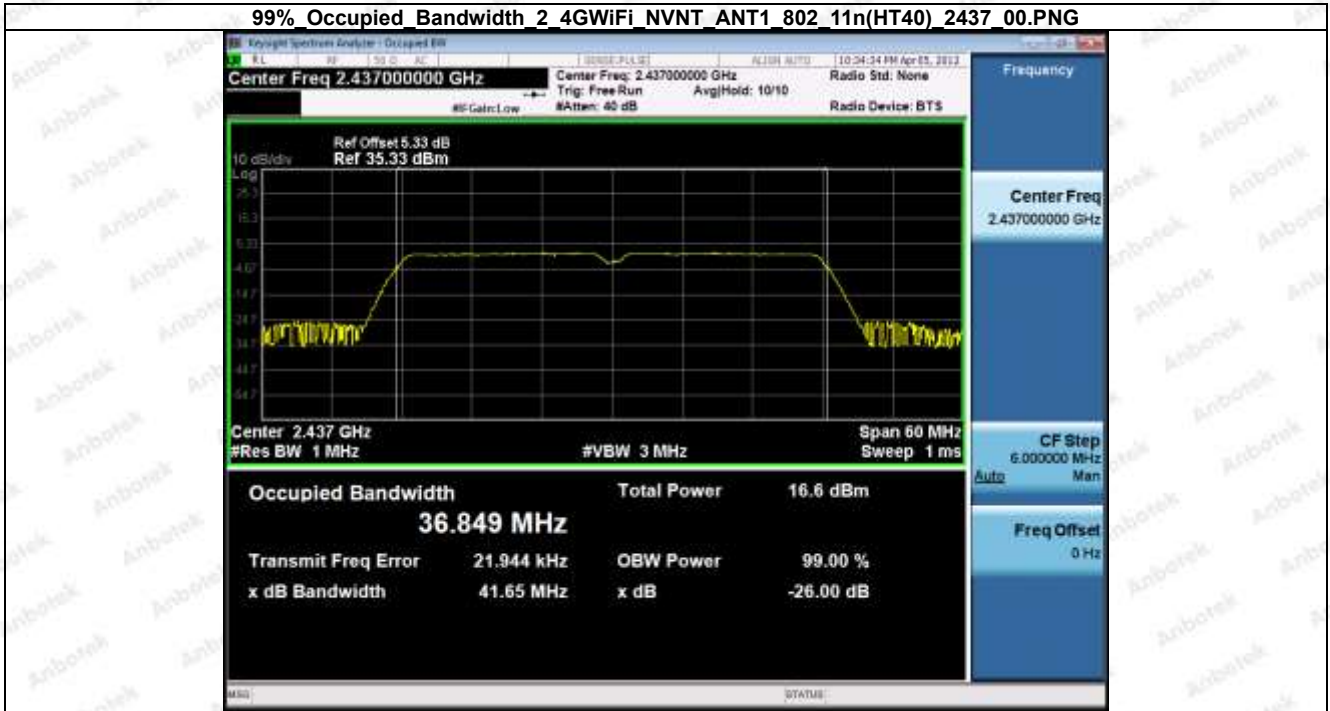
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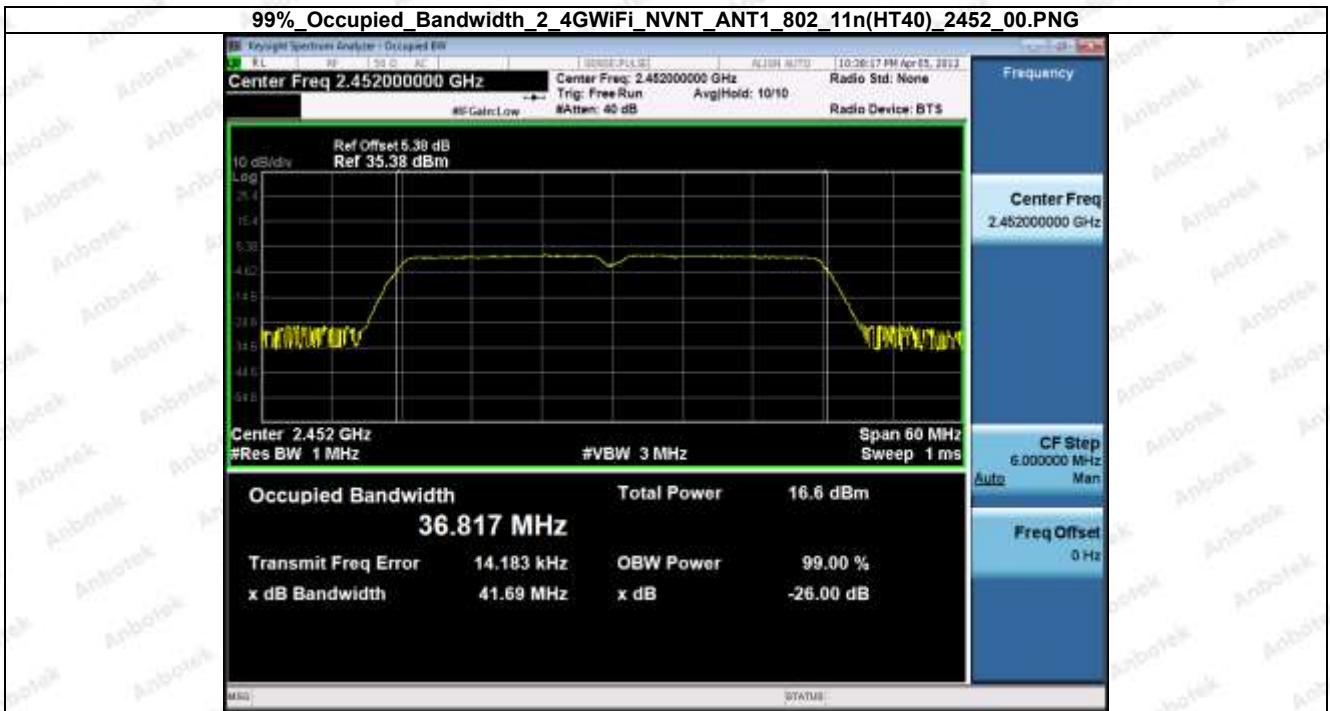
99% Occupied Bandwidth 2 4WiFi NVNT ANT1 802 11n(HT40) 2422 00.PNG



99% Occupied Bandwidth 2 4GWiFi NVNT ANT1 802 11n(HT40) 2437 00.PNG



99% Occupied Bandwidth 2 4GWiFi NVNT ANT1 802 11n(HT40) 2452 00.PNG



3. Bandedge

Condition	Antenna	Modulation	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Mark_frequency	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2310	2422	2397.92	-27.56	-14.52	Pass
NVNT	ANT1	802.11b	2462	2500	2488.33	-42.17	-10.94	Pass
NVNT	ANT1	802.11g	2310	2422	2399.82	-34.07	-20.59	Pass
NVNT	ANT1	802.11g	2462	2500	2485.14	-42.15	-21.29	Pass
NVNT	ANT1	802.11n(HT20)	2310	2422	2396.02	-37.22	-21.57	Pass
NVNT	ANT1	802.11n(HT20)	2462	2500	2485.45	-43.17	-22.09	Pass
NVNT	ANT1	802.11n(HT40)	2310	2442	2395.54	-40.36	-26.08	Pass
NVNT	ANT1	802.11n(HT40)	2442	2500	2486.95	-42.75	-28.32	Pass

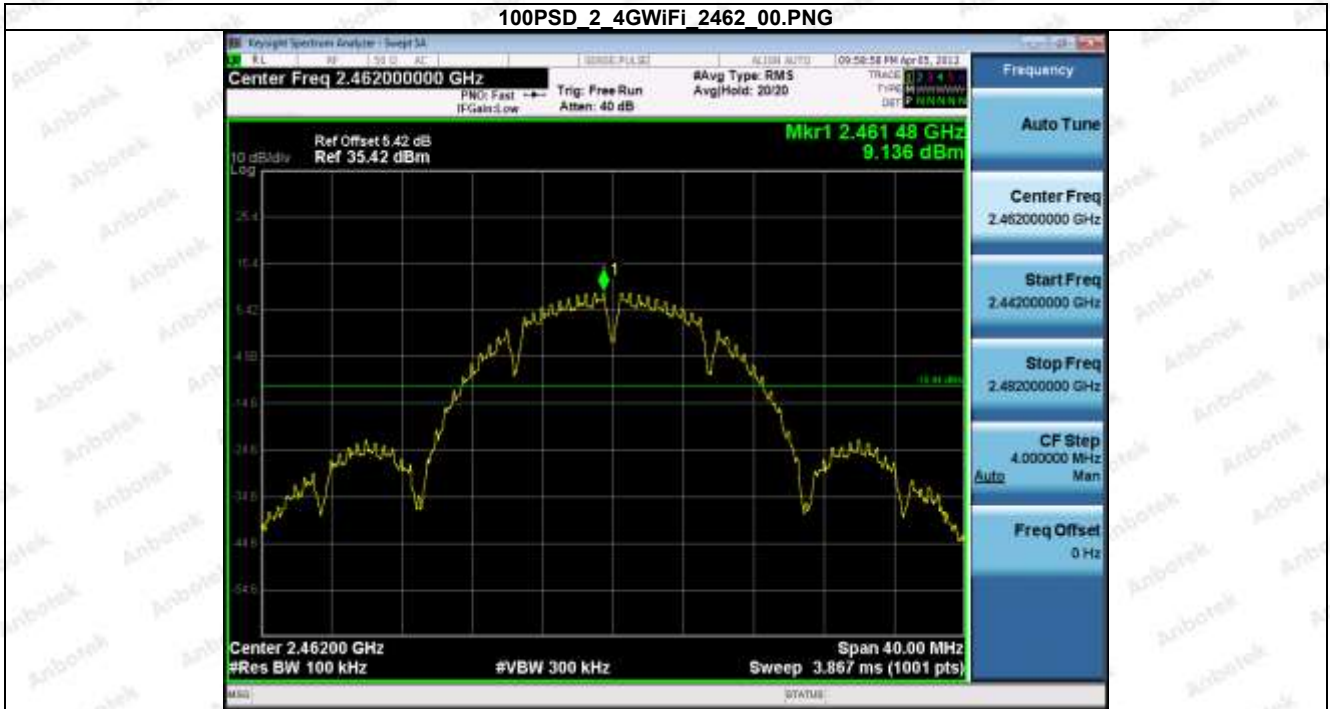
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Bandedge_2_4GWiFi_NVNT_ANT1_802_11b_2412_00.PNG



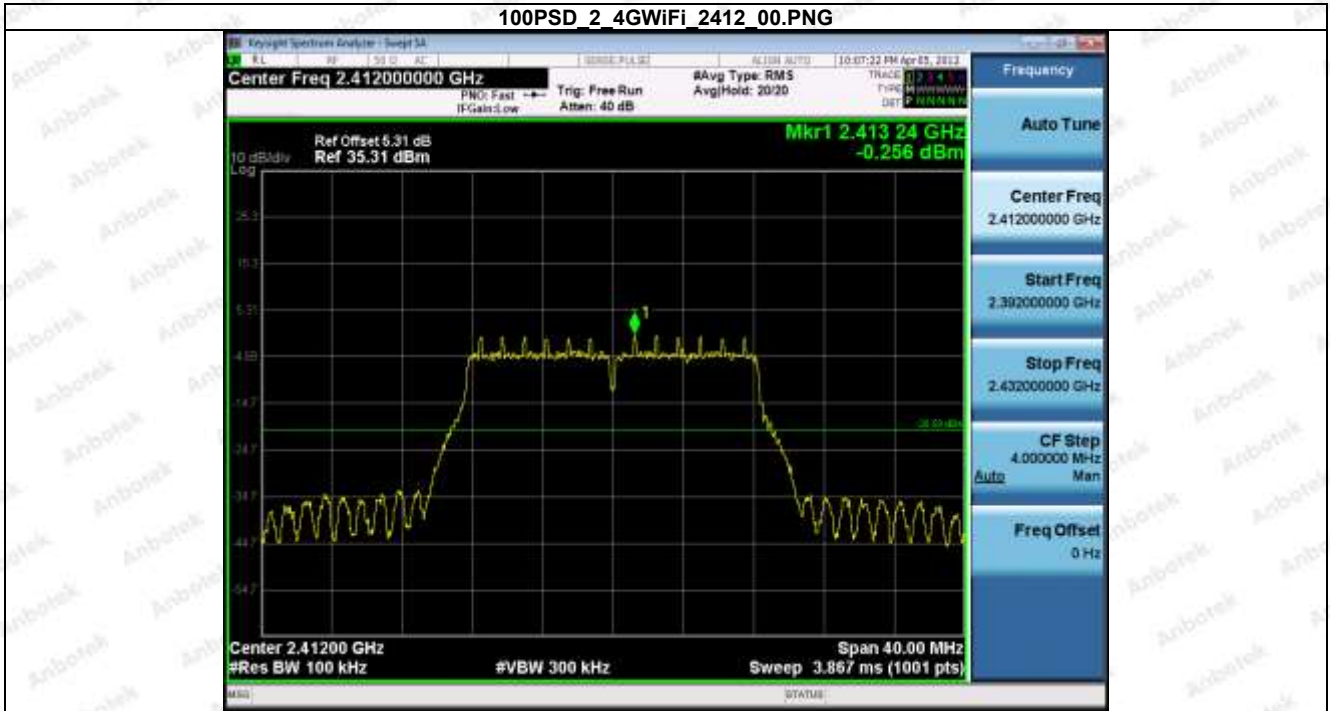
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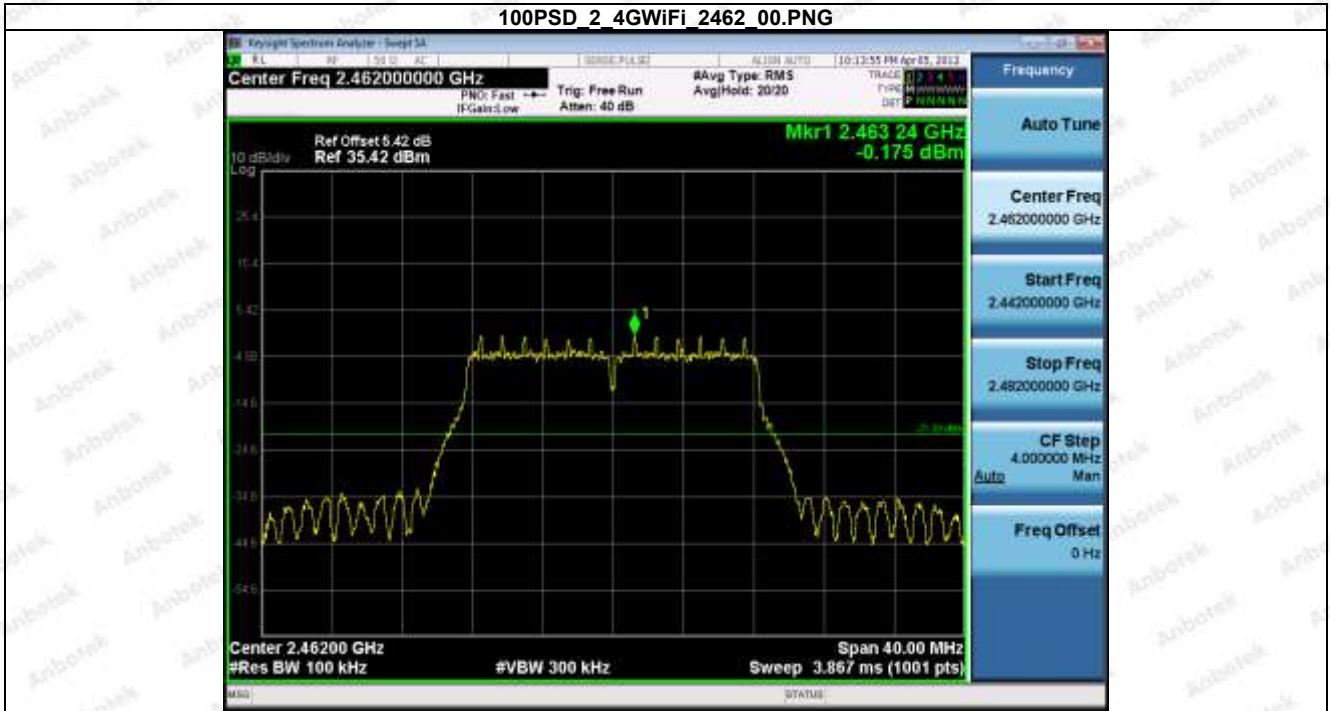
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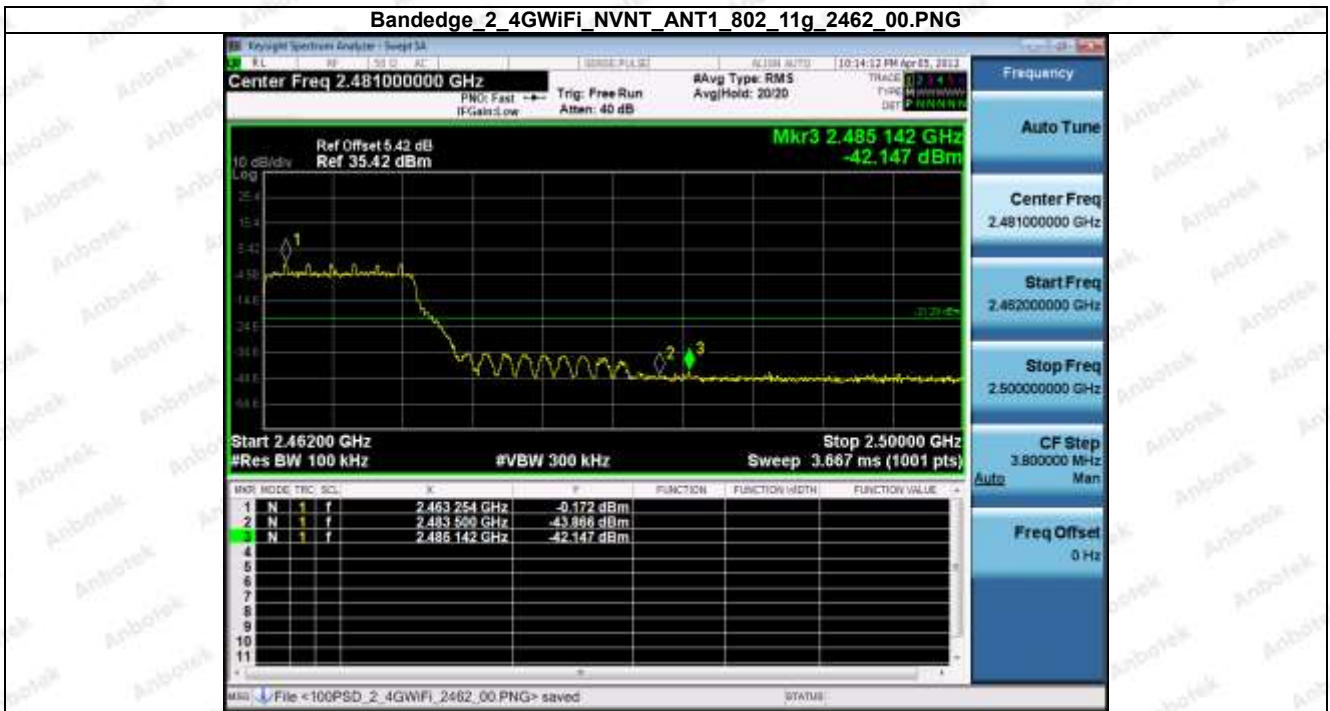
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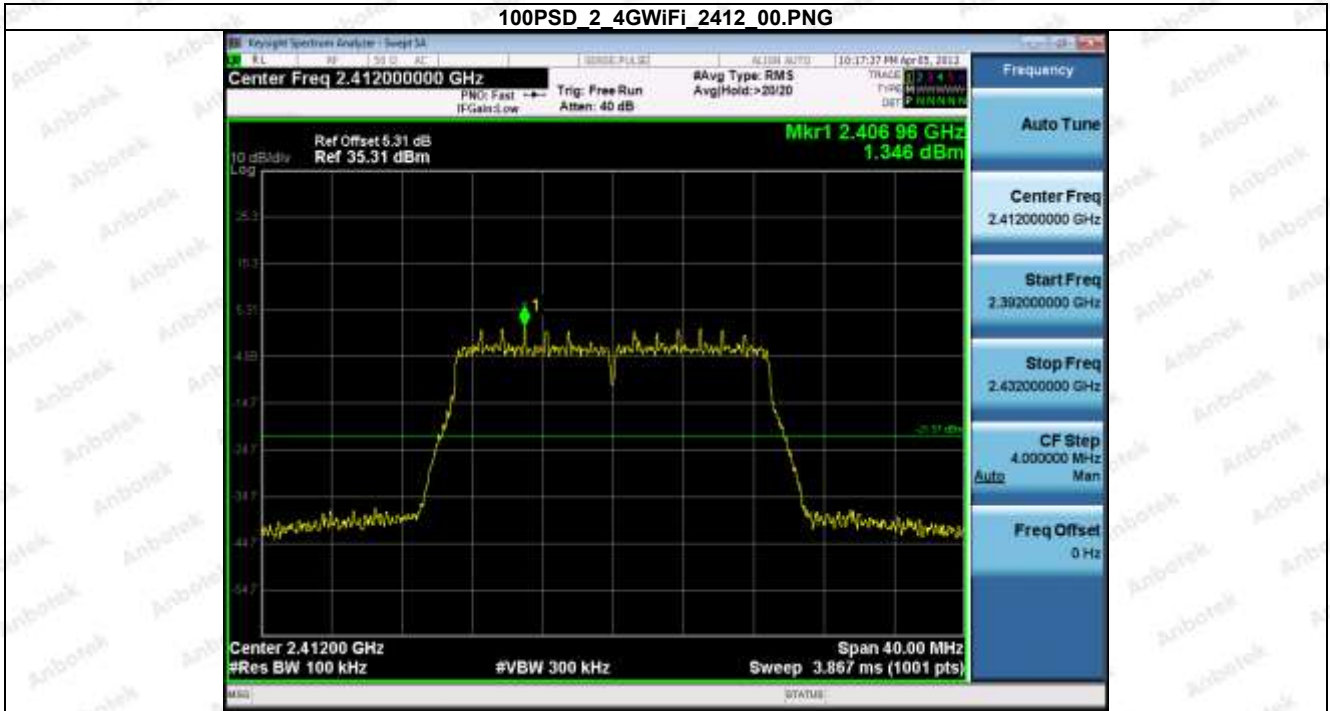
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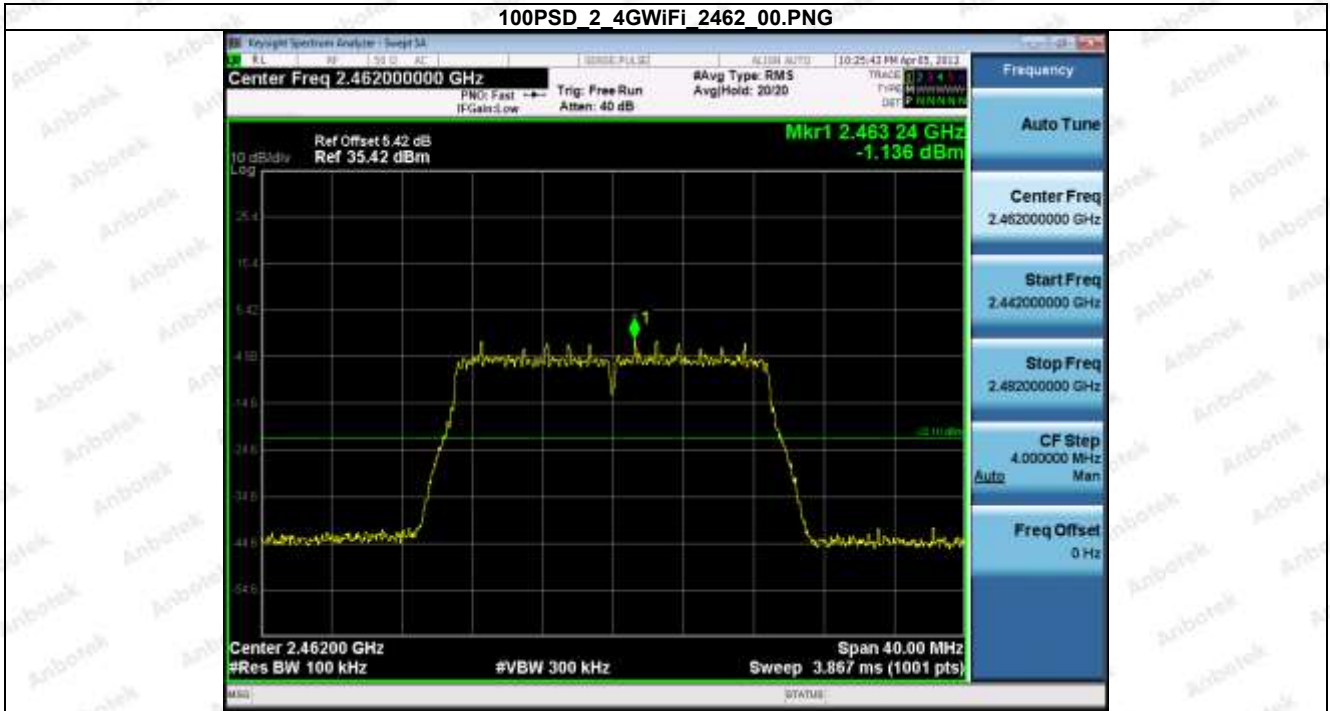
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Bandedge_2_4GWiFi_NVNT_ANT1_802_11n(HT20)_2412_00.PNG



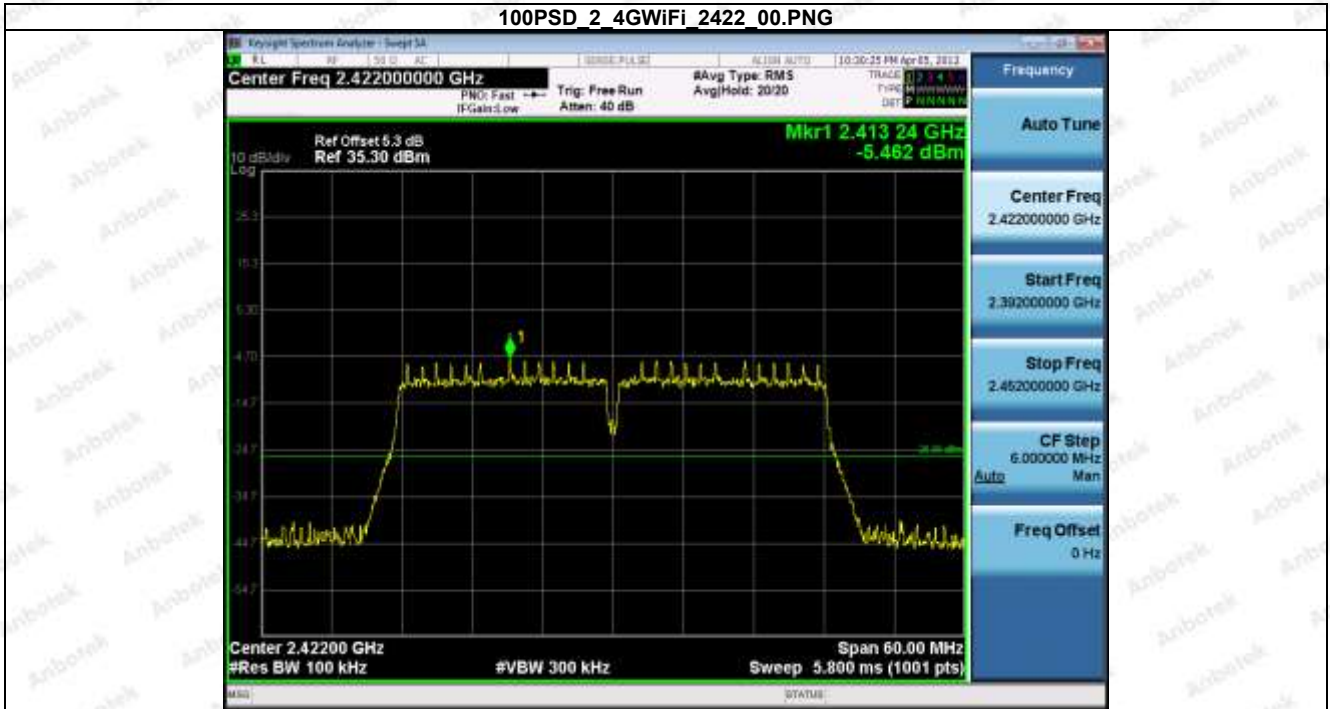
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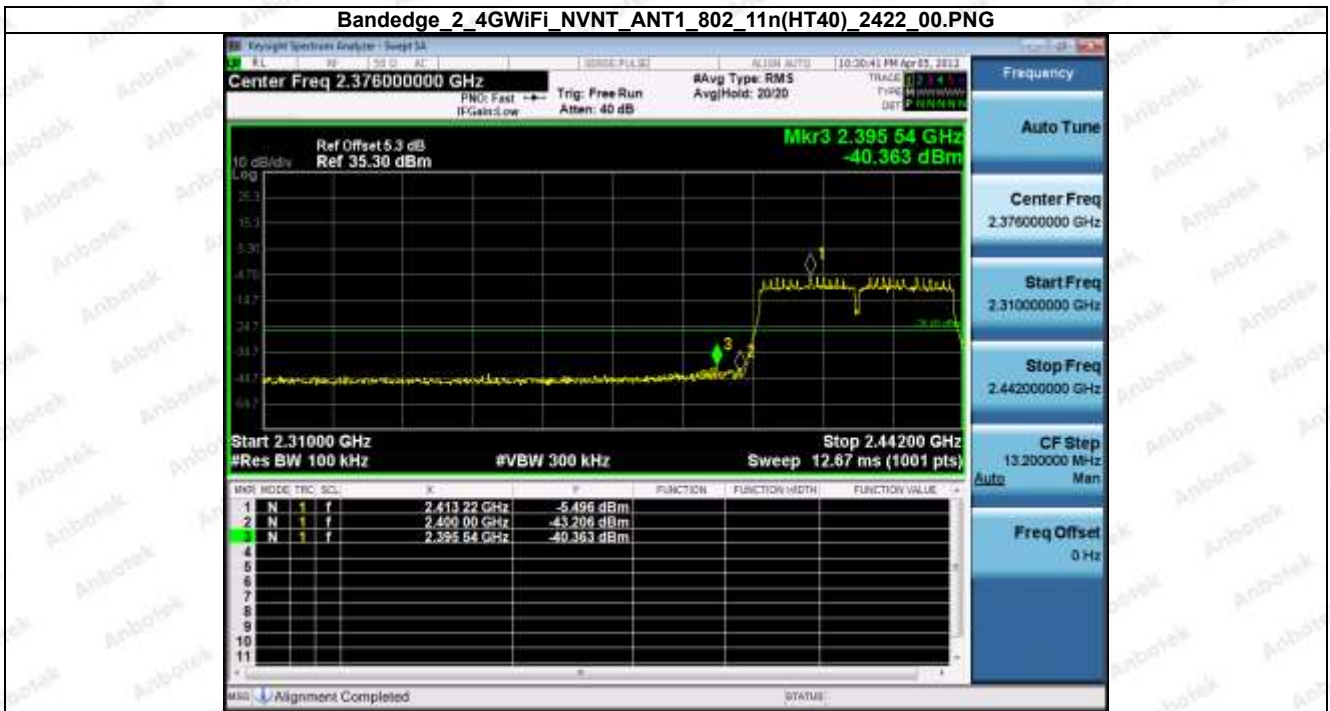
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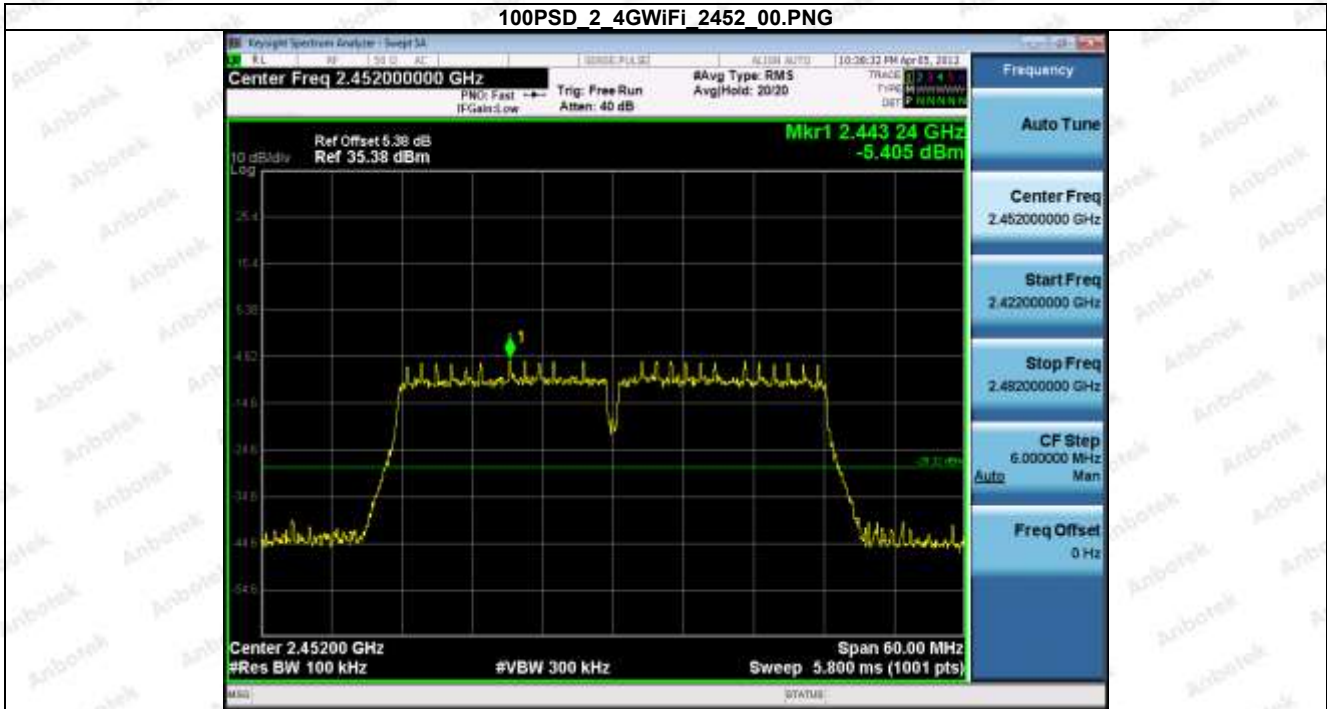


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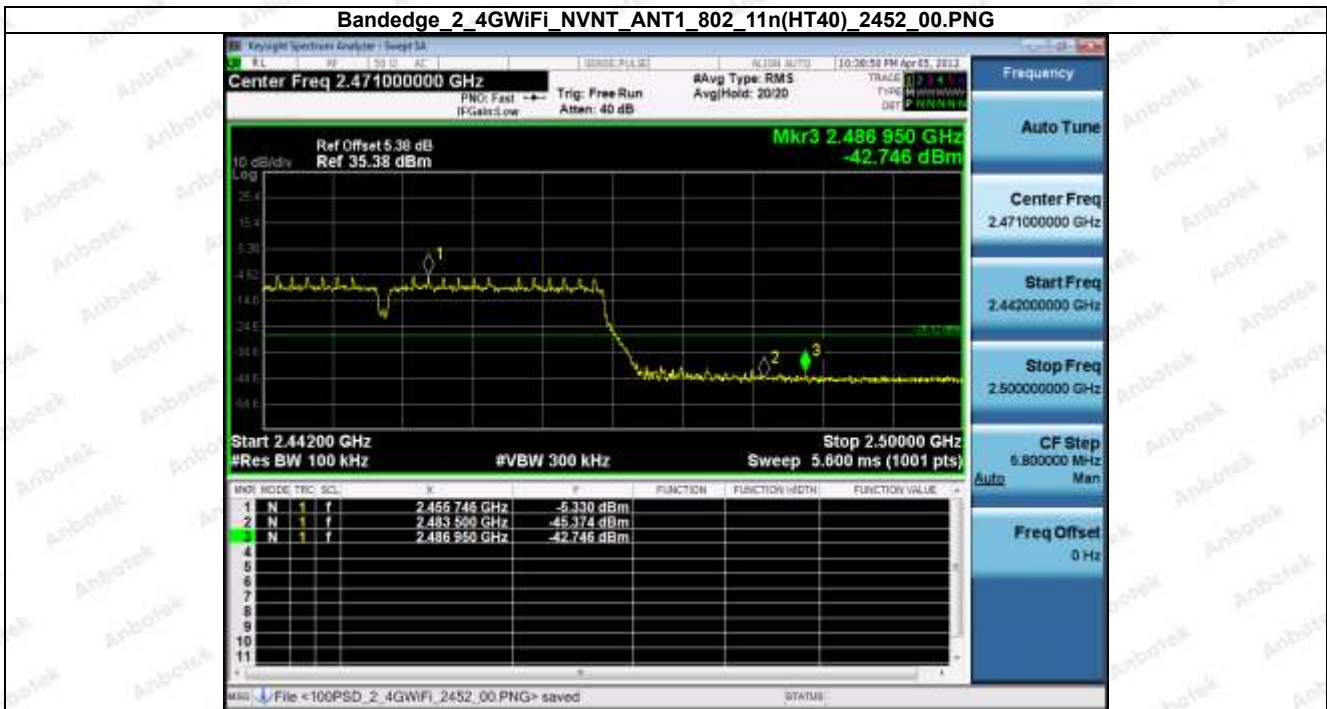
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100PSD_2_4GWiFi_2452_00.PNG



Bandedge_2_4GWiFi_NVNT_ANT1_802_11n(HT40)_2452_00.PNG



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4. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	802.11b	2412.00	100.00	0.00
NVNT	ANT1	802.11b	2437.00	100.00	0.00
NVNT	ANT1	802.11b	2462.00	100.00	0.00
NVNT	ANT1	802.11g	2412.00	100.00	0.00
NVNT	ANT1	802.11g	2437.00	100.00	0.00
NVNT	ANT1	802.11g	2462.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	100.00	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	100.00	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	100.00	0.00
NVNT	ANT1	802.11n(HT40)	2437.00	100.00	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	100.00	0.00

Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11b_2412_00.PNG



Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11b_2437_00.PNG



Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11b_2462_00.PNG



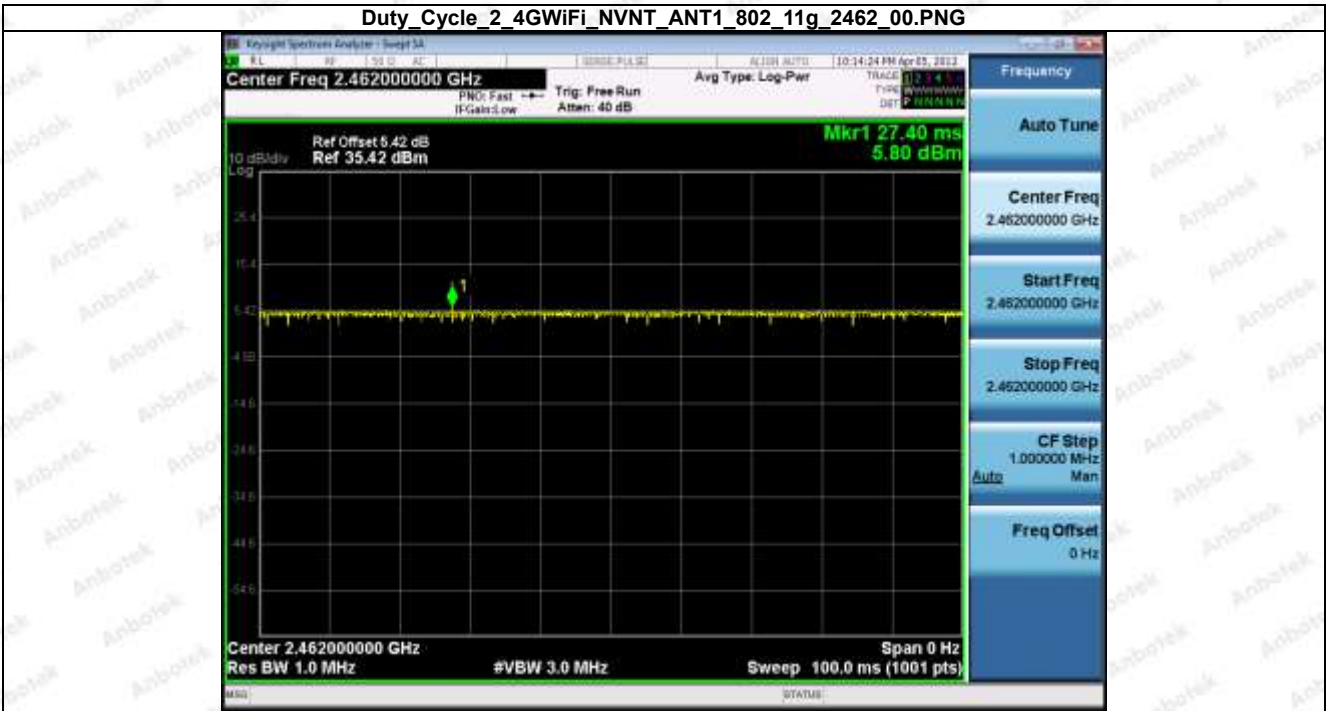
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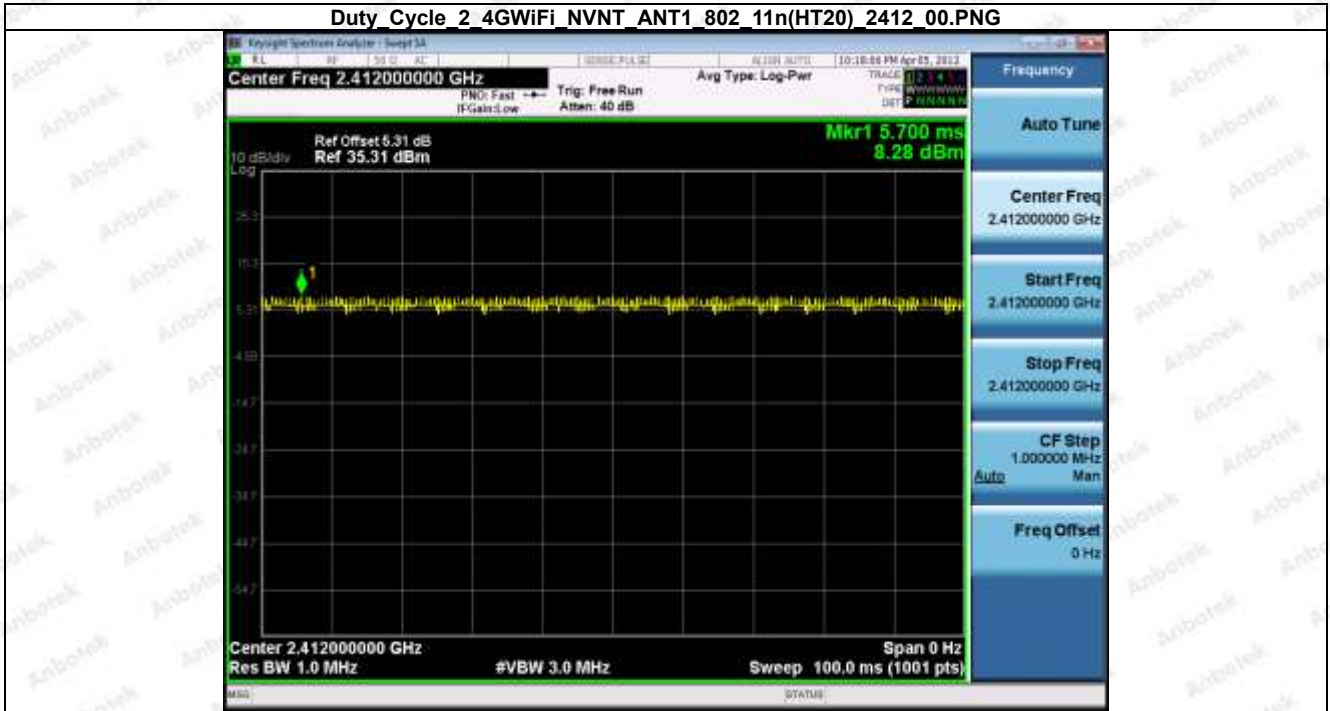
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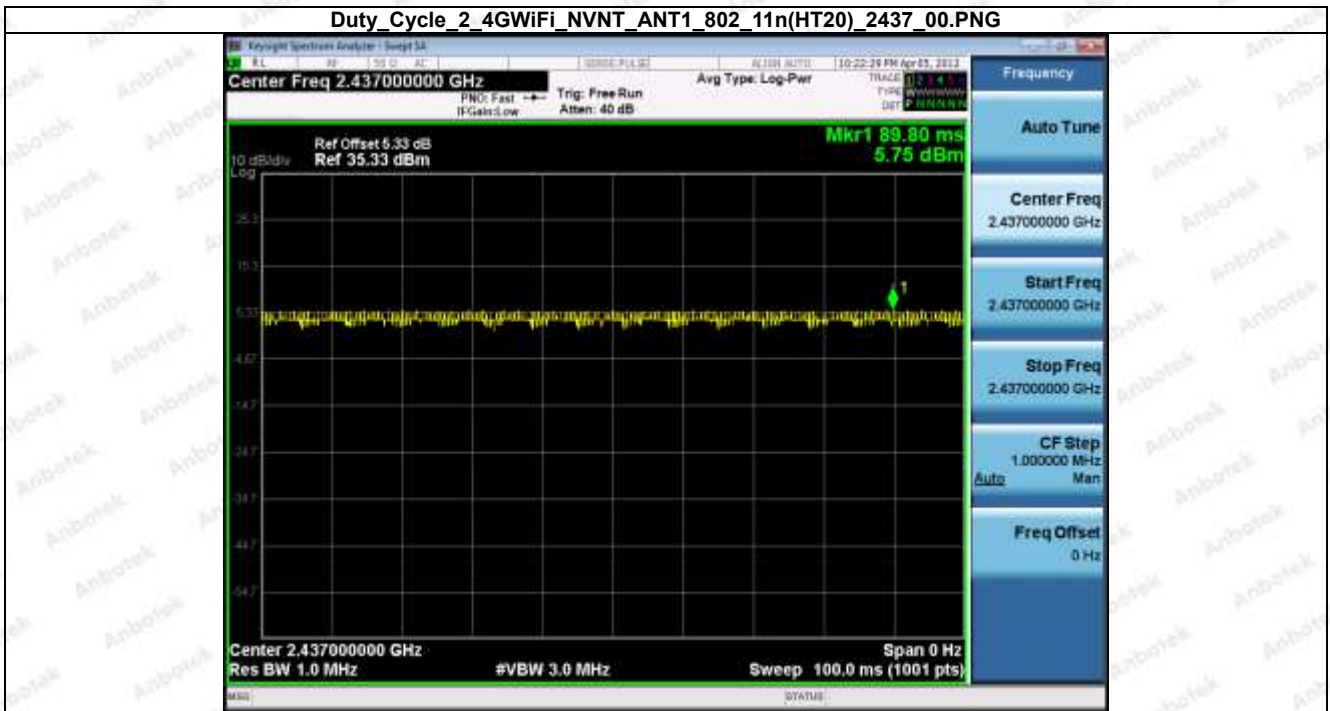
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Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11n(HT20)_2412_00.PNG



Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11n(HT20)_2437_00.PNG



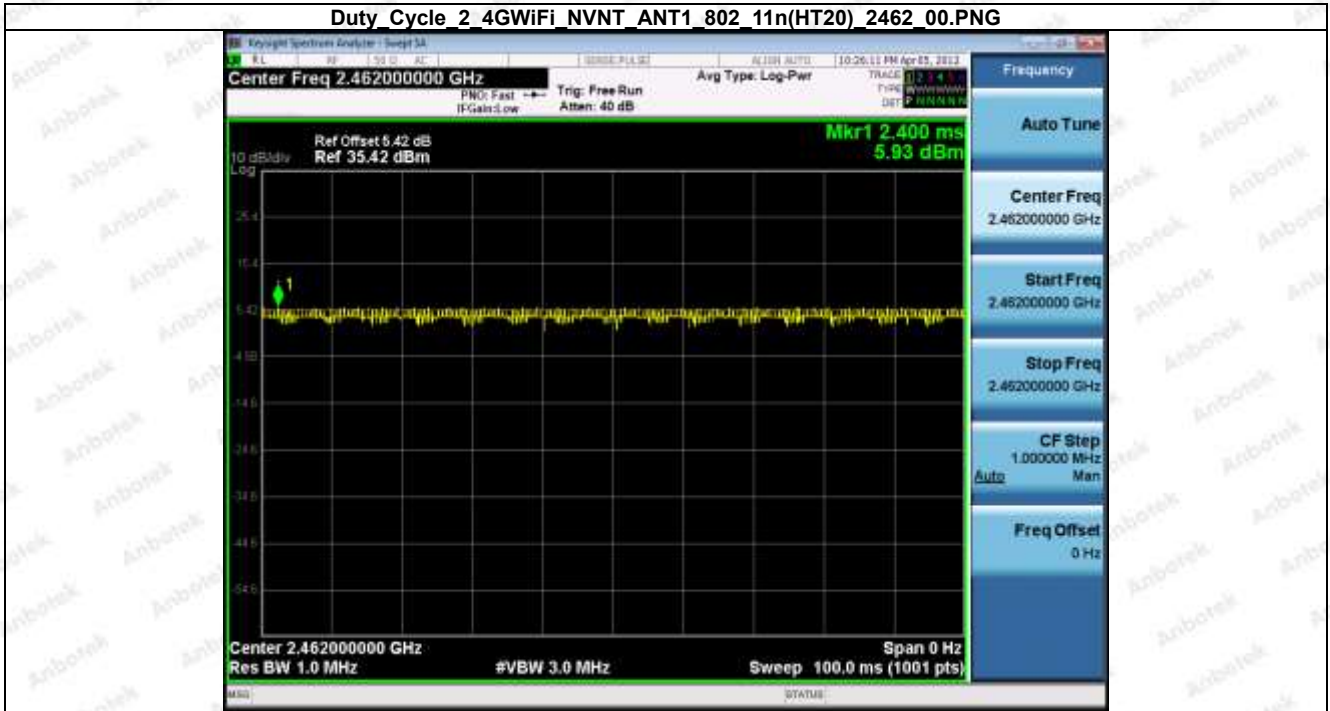
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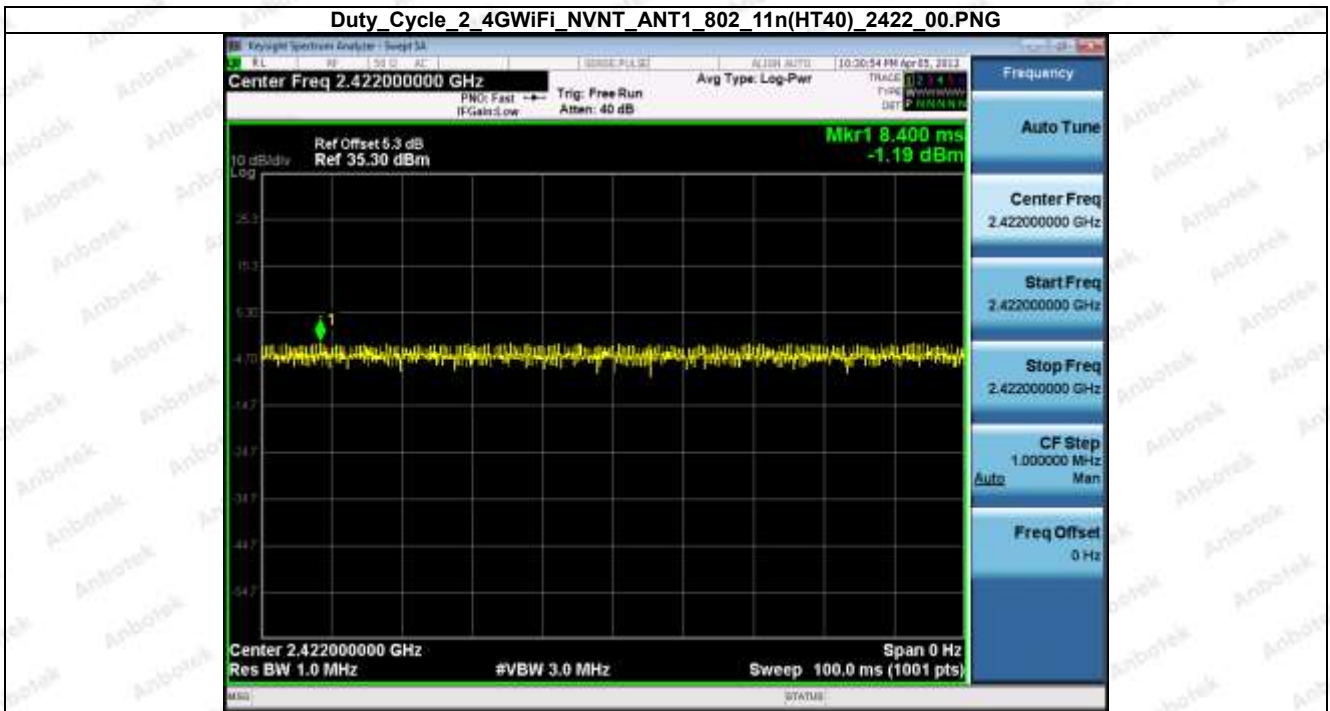
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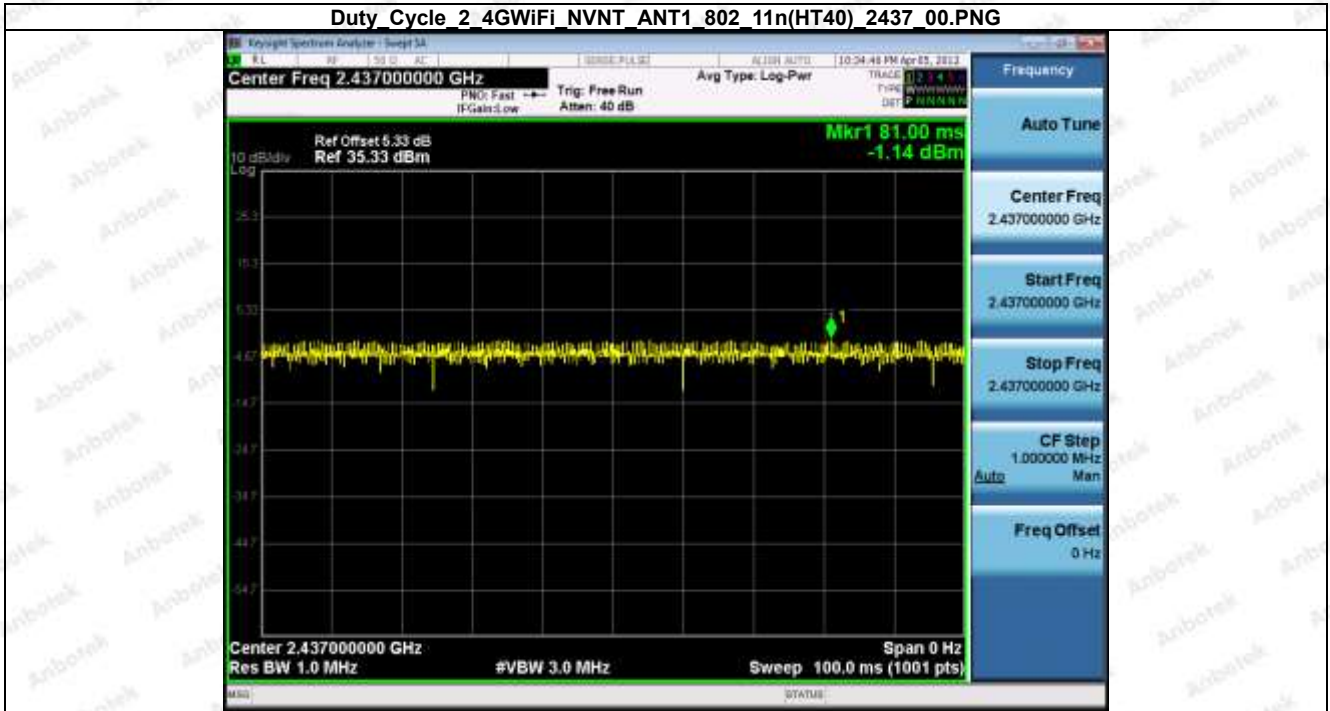
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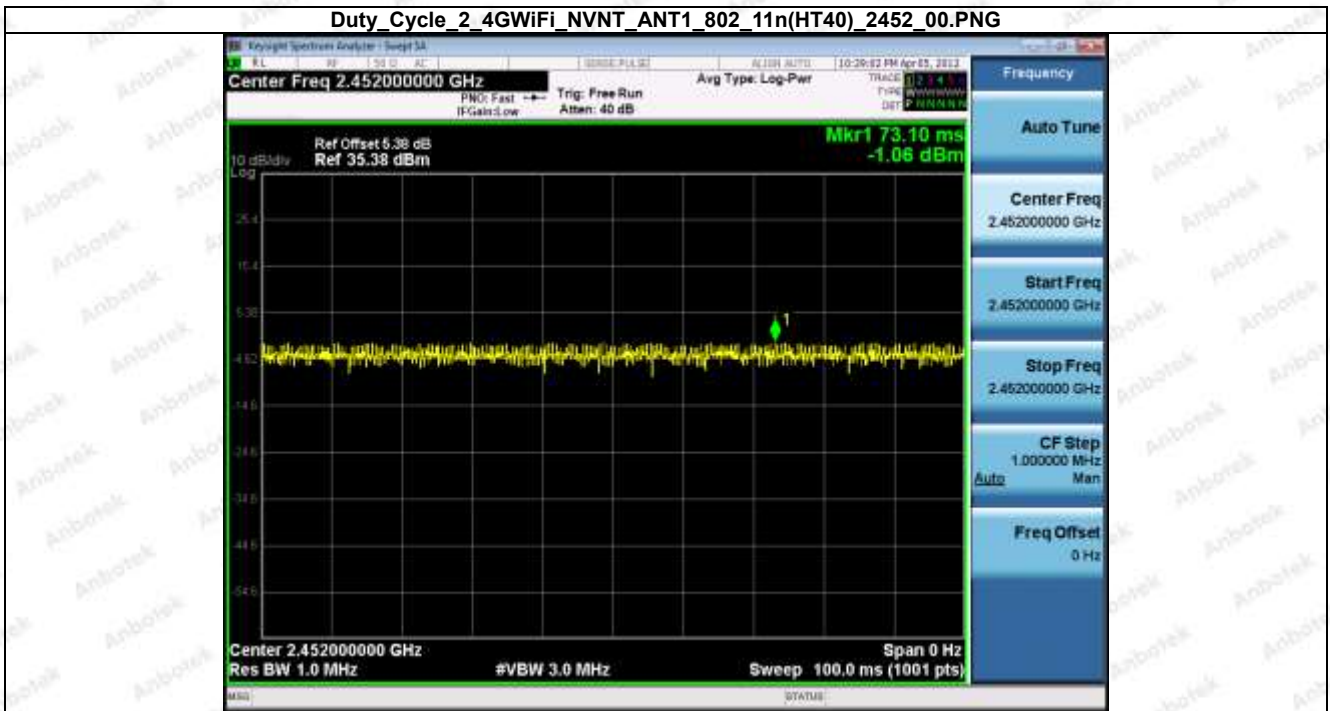
Duty Cycle 2 4GWifi NVNT ANT1 802 11n(HT40) 2422 00.PNG



Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11n(HT40)_2437_00.PNG



Duty Cycle 2_4GWiFi_NVNT_ANT1_802_11n(HT40)_2452_00.PNG



5. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	17.19	0.00	17.19	30	Pass
NVNT	ANT1	802.11b	2437.00	17.18	0.00	17.18	30	Pass
NVNT	ANT1	802.11b	2462.00	17.33	0.00	17.33	30	Pass
NVNT	ANT1	802.11g	2412.00	16.45	0.00	16.45	30	Pass
NVNT	ANT1	802.11g	2437.00	16.41	0.00	16.41	30	Pass
NVNT	ANT1	802.11g	2462.00	16.59	0.00	16.59	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.63	0.00	15.63	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.64	0.00	15.64	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	15.80	0.00	15.80	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	14.01	0.00	14.01	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	14.08	0.00	14.08	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	14.14	0.00	14.14	30	Pass

6. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-10.47	8	Pass
NVNT	ANT1	802.11b	2437.00	-10.66	8	Pass
NVNT	ANT1	802.11b	2462.00	-10.75	8	Pass
NVNT	ANT1	802.11g	2412.00	-16.14	8	Pass
NVNT	ANT1	802.11g	2437.00	-16.12	8	Pass
NVNT	ANT1	802.11g	2462.00	-16.74	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-16.96	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-17.39	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-17.55	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-21.55	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-21.11	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-19.98	8	Pass

Power Spectral Density 2_4GWiFi 2412_00.PNG



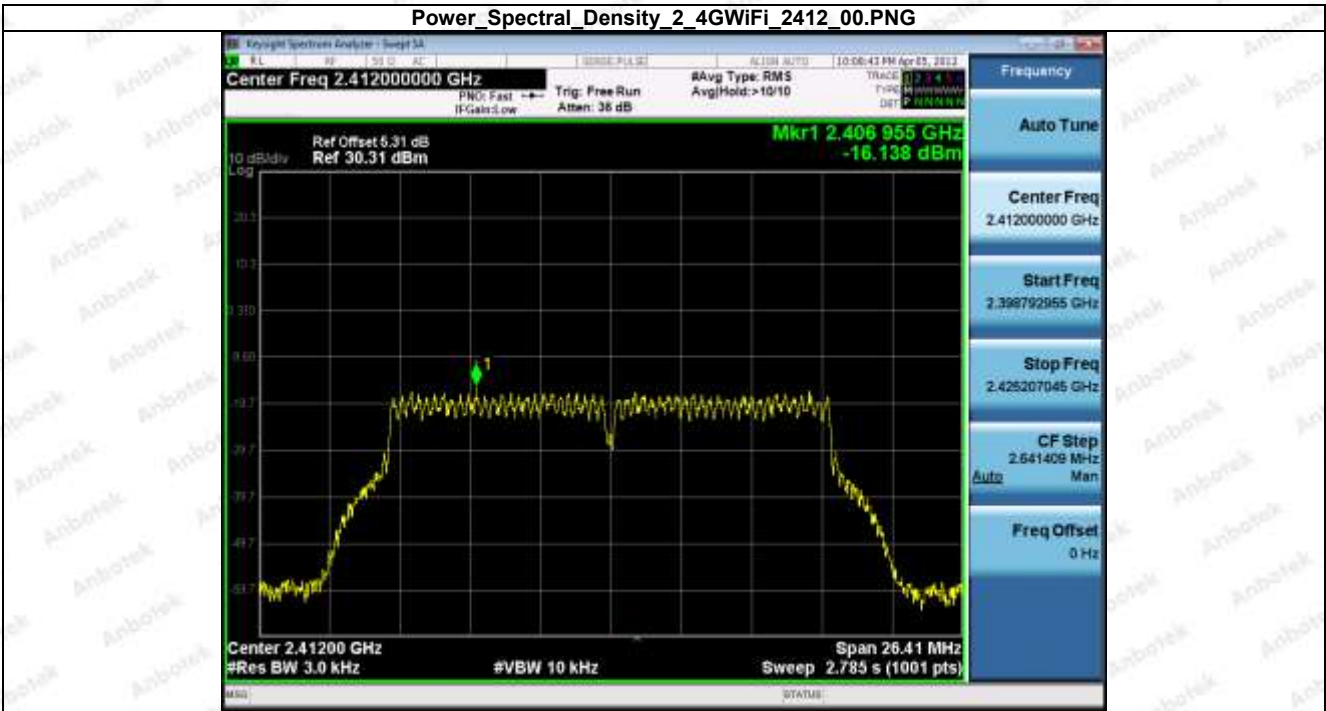
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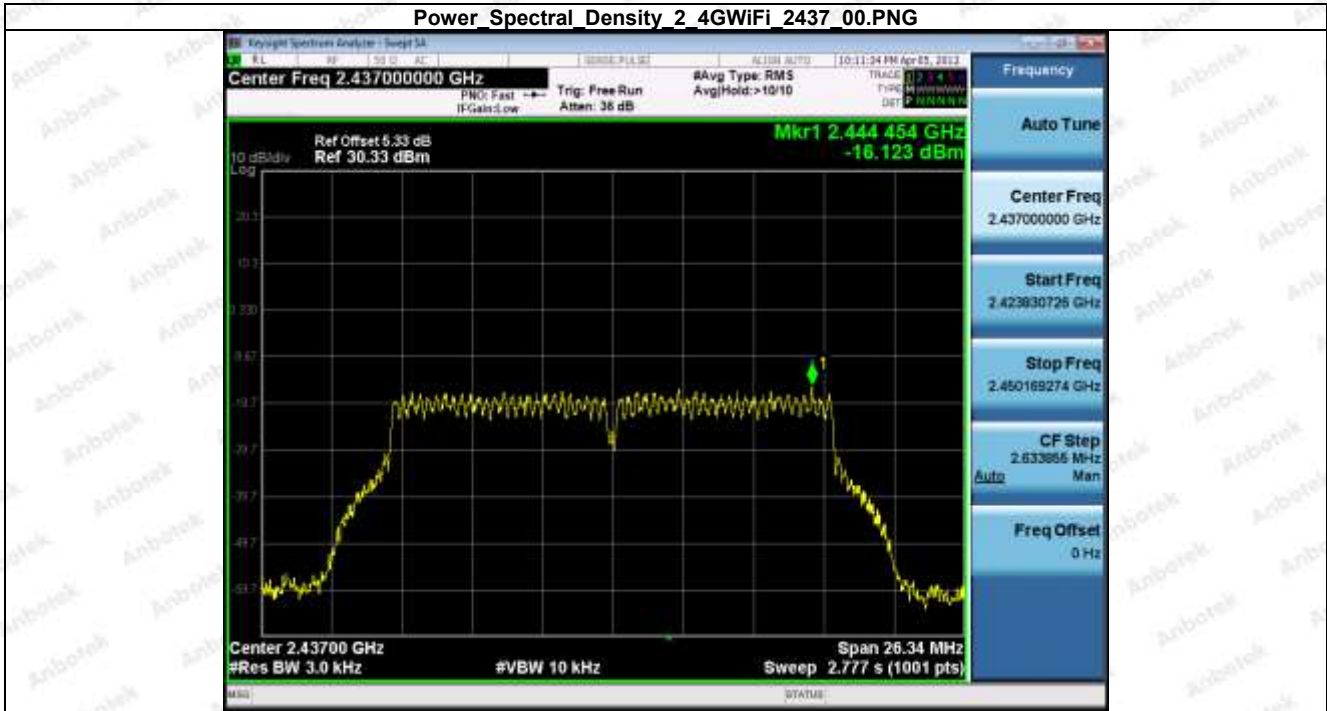


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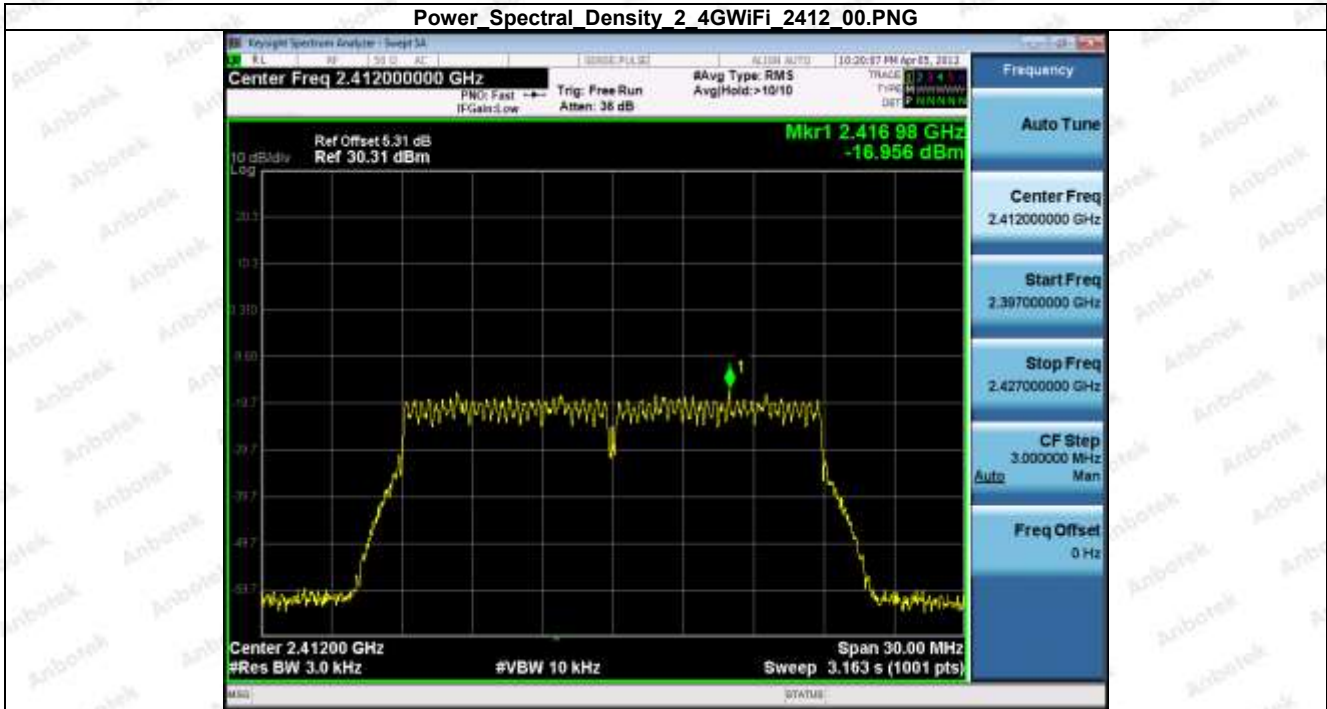
Power Spectral Density 2_4GWiFi 2437_00.PNG



Power_Spectral_Density_2_4GWiFi 2462_00.PNG



Power Spectral Density 2_4GWiFi 2412_00.PNG



Power Spectral Density 2_4GWiFi 2437_00.PNG



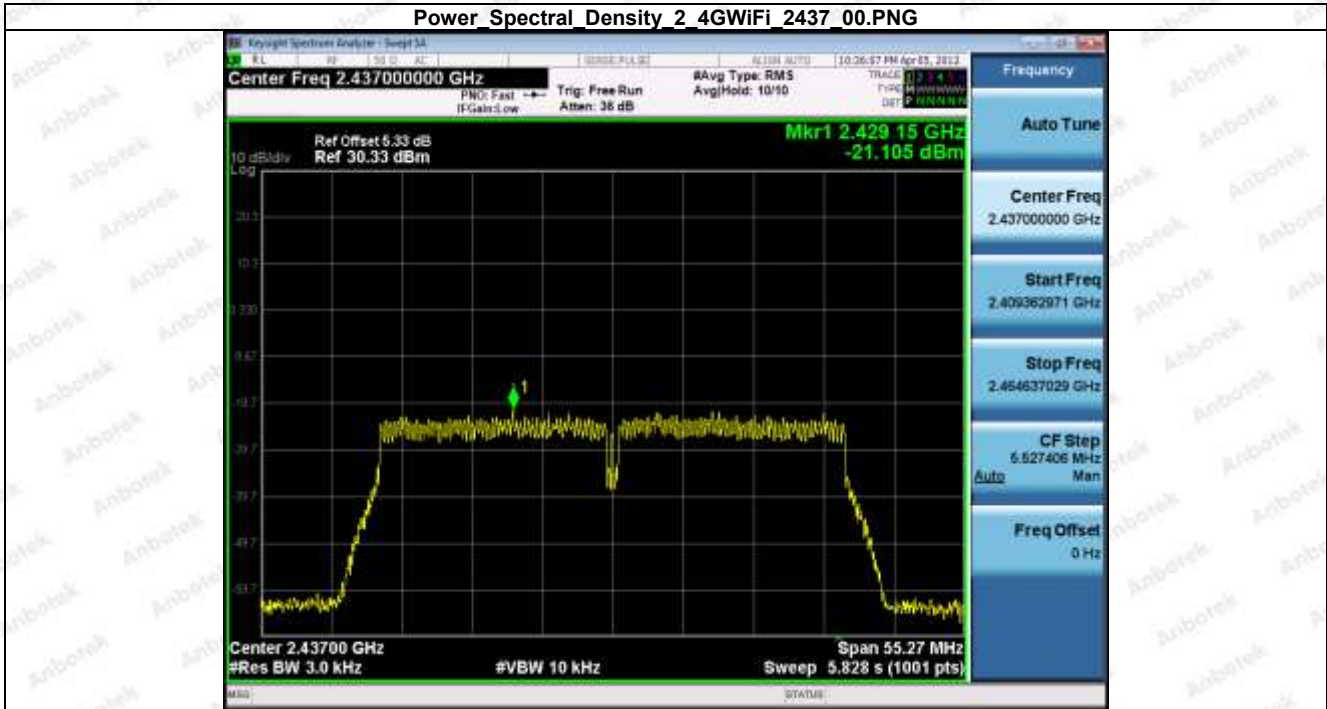
Power Spectral Density 2_4GWiFi_2462_00.PNG



Power Spectral Density 2_4GWiFi_2422_00.PNG



Power Spectral Density 2_4GWiFi 2437_00.PNG



Power Spectral Density 2_4GWiFi 2452_00.PNG



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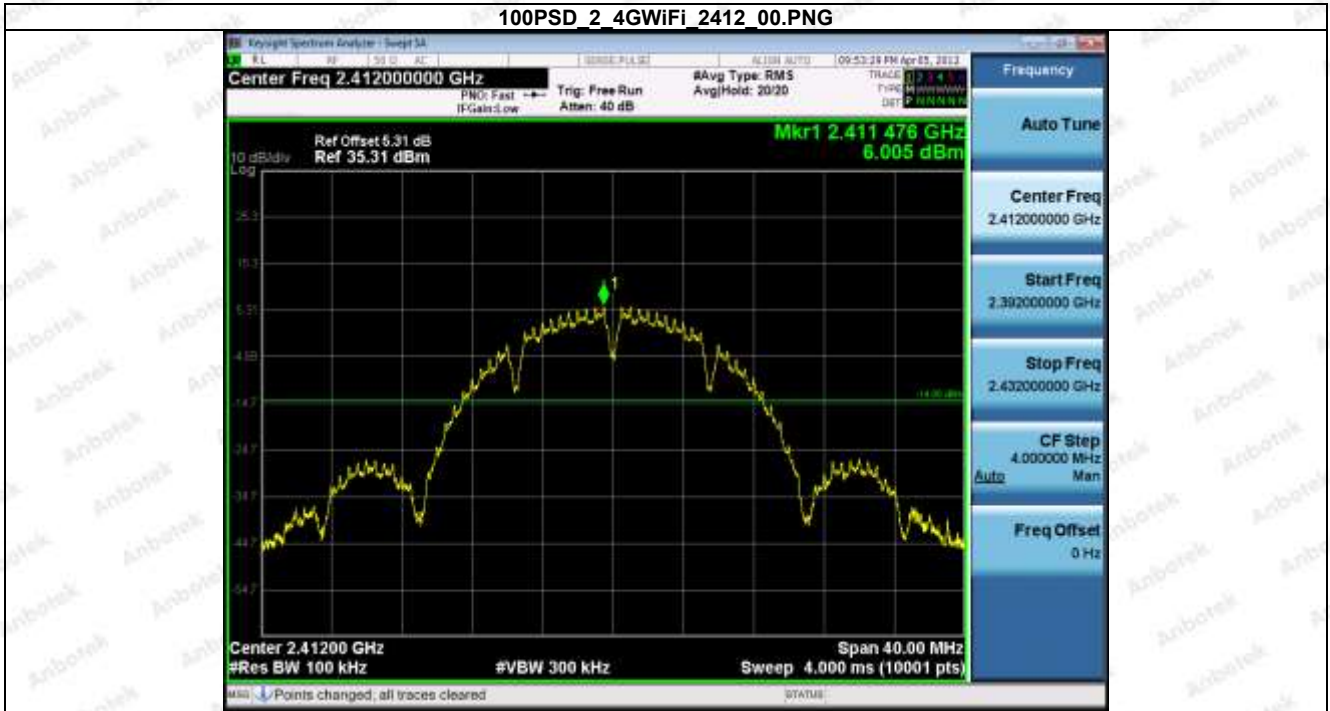
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7. Spurious Emission

Condition	Antenna	Modulation	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Mark_frequency	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	30	25000	24443.17	-31.34	-14.08	Pass
NVNT	ANT1	802.11b	30	25000	24810.23	-31.69	-14.49	Pass
NVNT	ANT1	802.11b	30	25000	24842.69	-34.63	-10.94	Pass
NVNT	ANT1	802.11g	30	25000	24792.75	-34.45	-20.59	Pass
NVNT	ANT1	802.11g	30	25000	24765.28	-30.64	-21.34	Pass
NVNT	ANT1	802.11g	30	25000	24732.82	-33.74	-21.29	Pass
NVNT	ANT1	802.11n(HT20)	30	25000	24870.16	-31.39	-22.75	Pass
NVNT	ANT1	802.11n(HT20)	30	25000	24875.15	-30.21	-24.58	Pass
NVNT	ANT1	802.11n(HT20)	30	25000	24812.72	-34.46	-22.09	Pass
NVNT	ANT1	802.11n(HT40)	30	25000	24820.22	-34.40	-26.08	Pass
NVNT	ANT1	802.11n(HT40)	30	25000	24935.08	-31.22	-25.89	Pass
NVNT	ANT1	802.11n(HT40)	30	25000	24802.74	-32.83	-28.32	Pass

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100PSD 2 4GWifi 2437 00.PNG



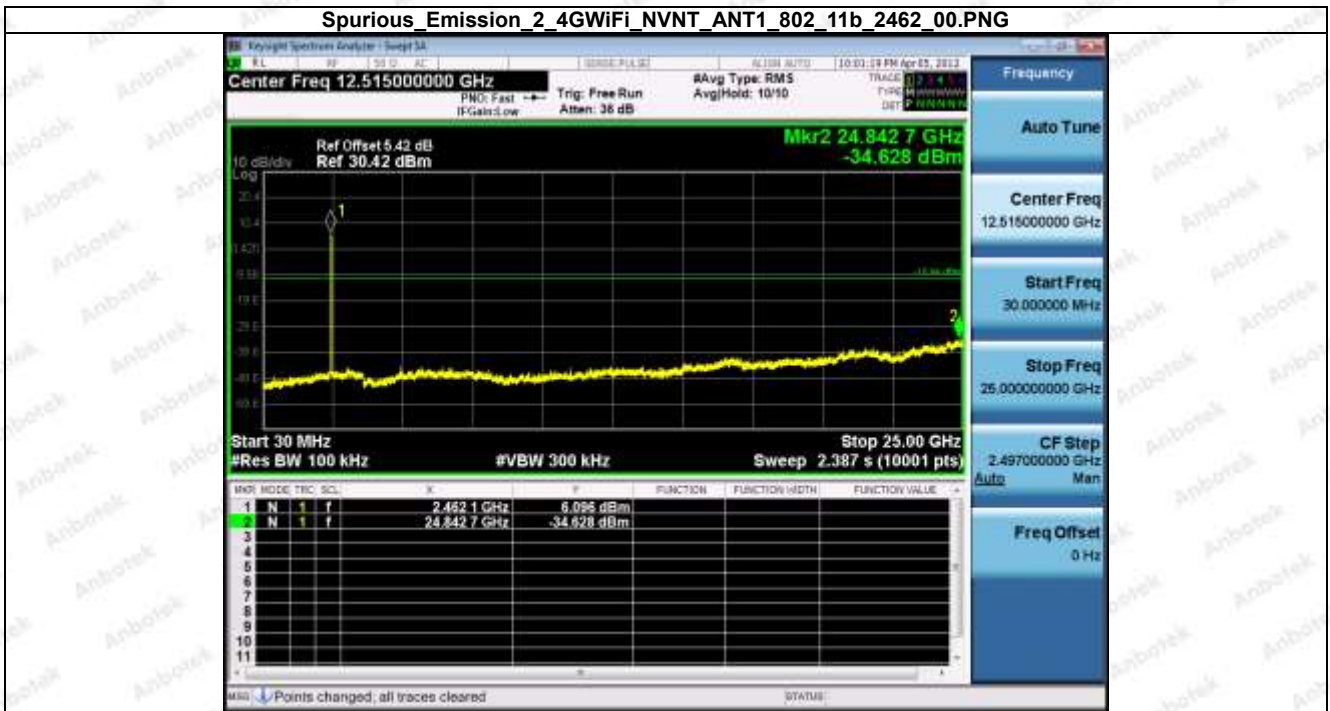
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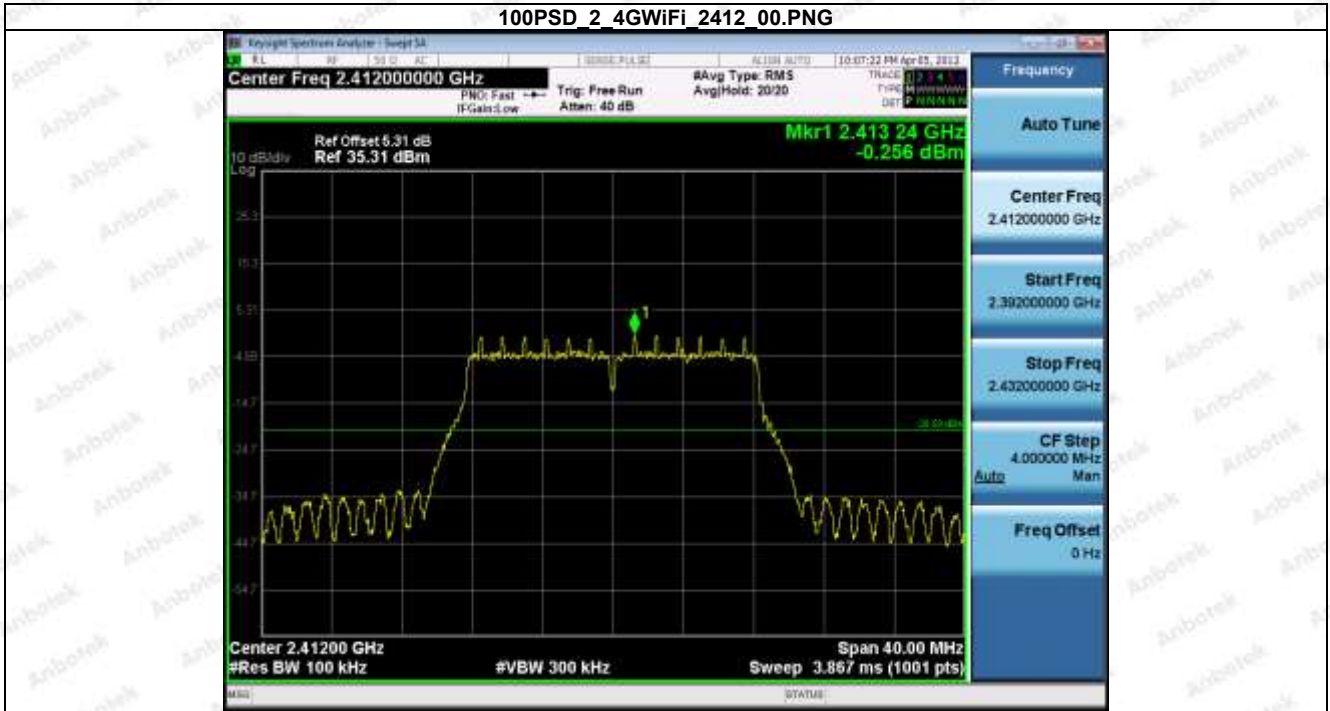


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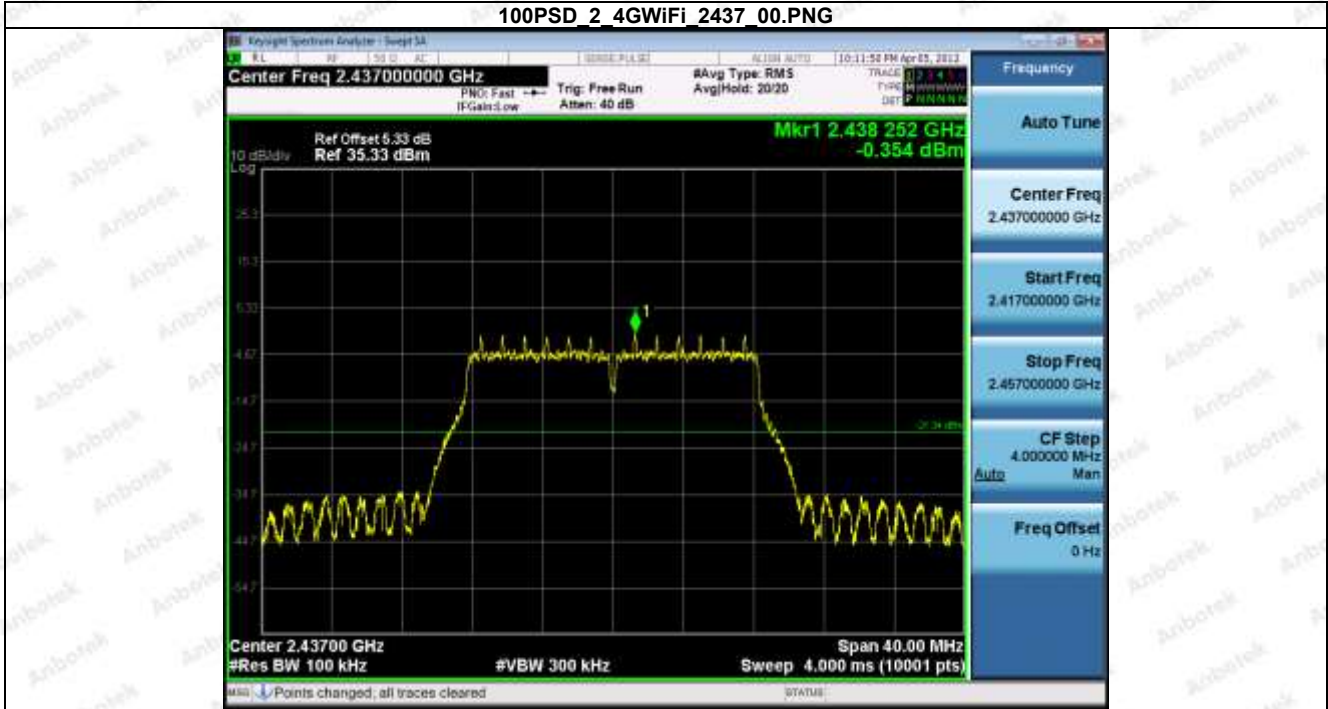
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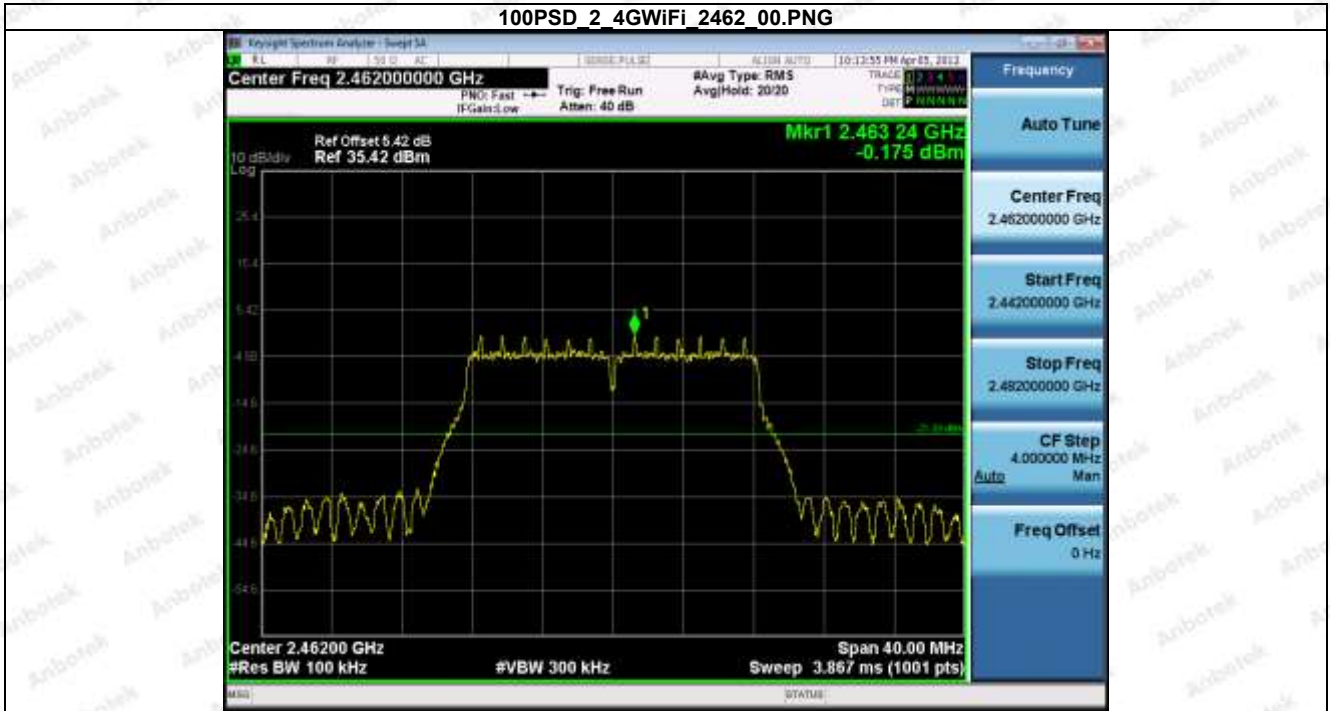
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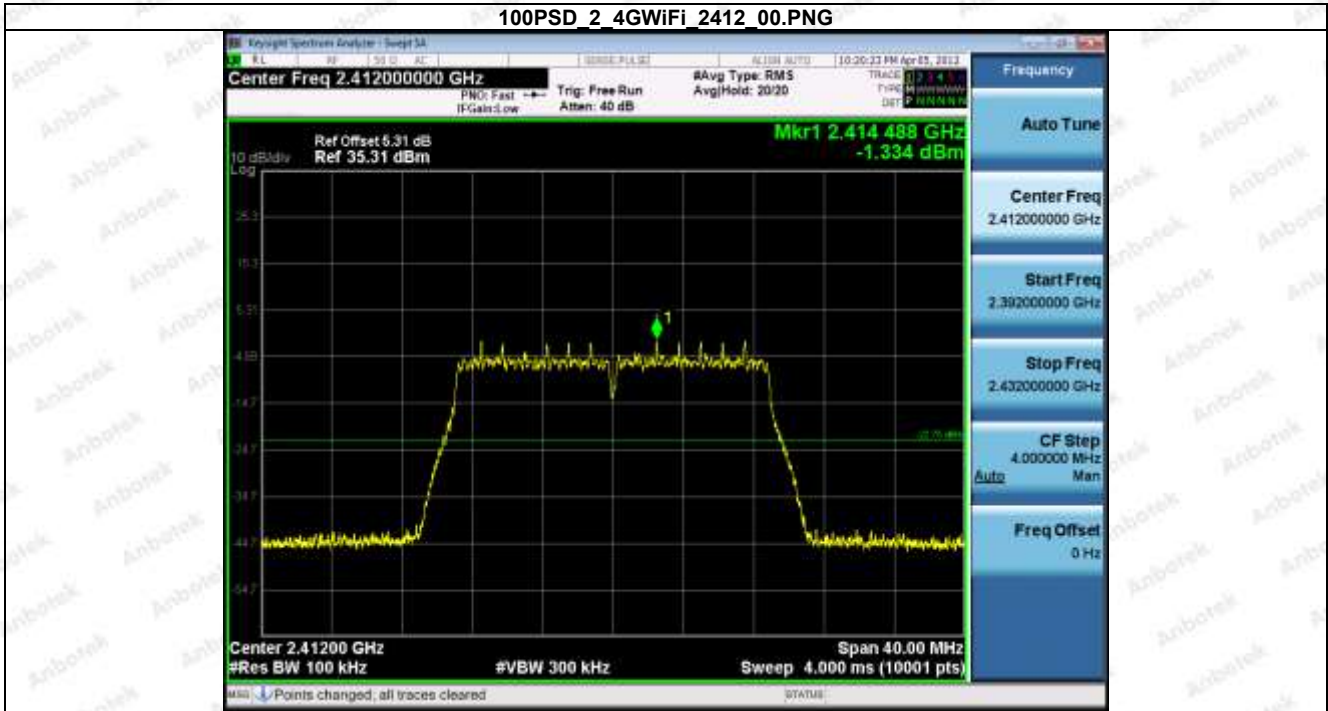


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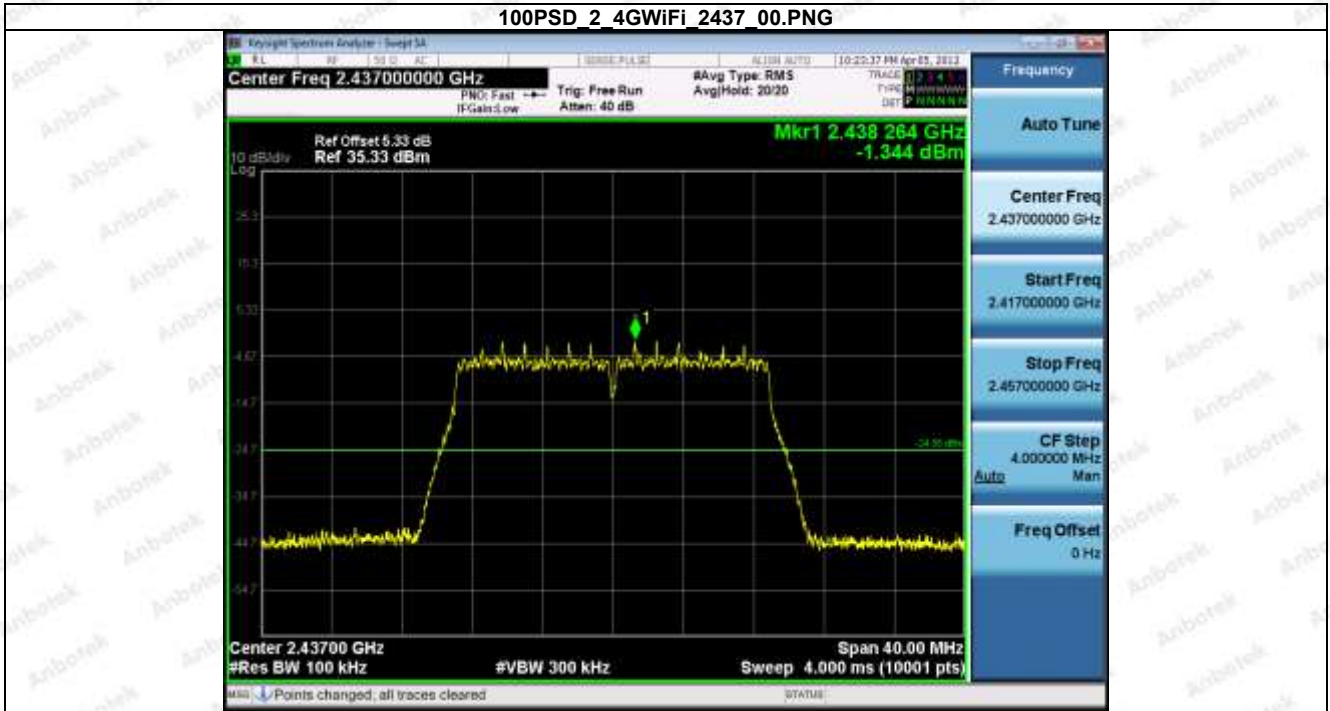
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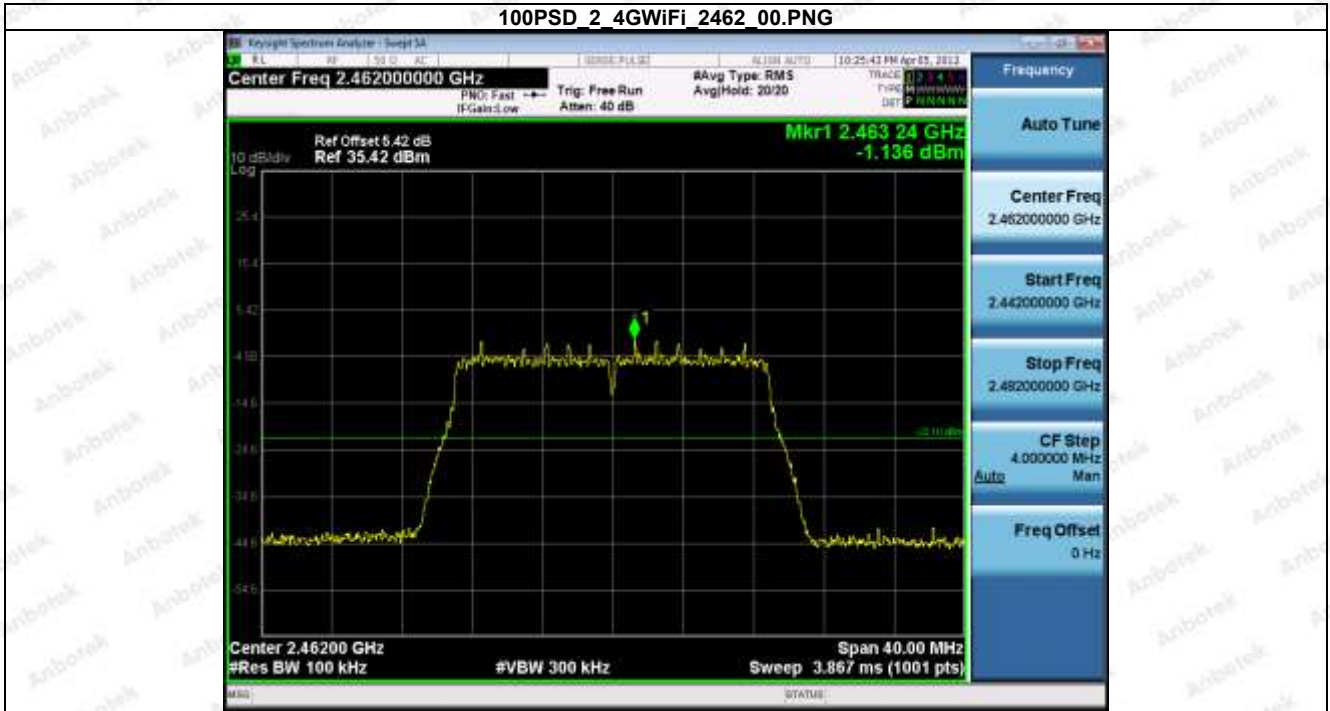
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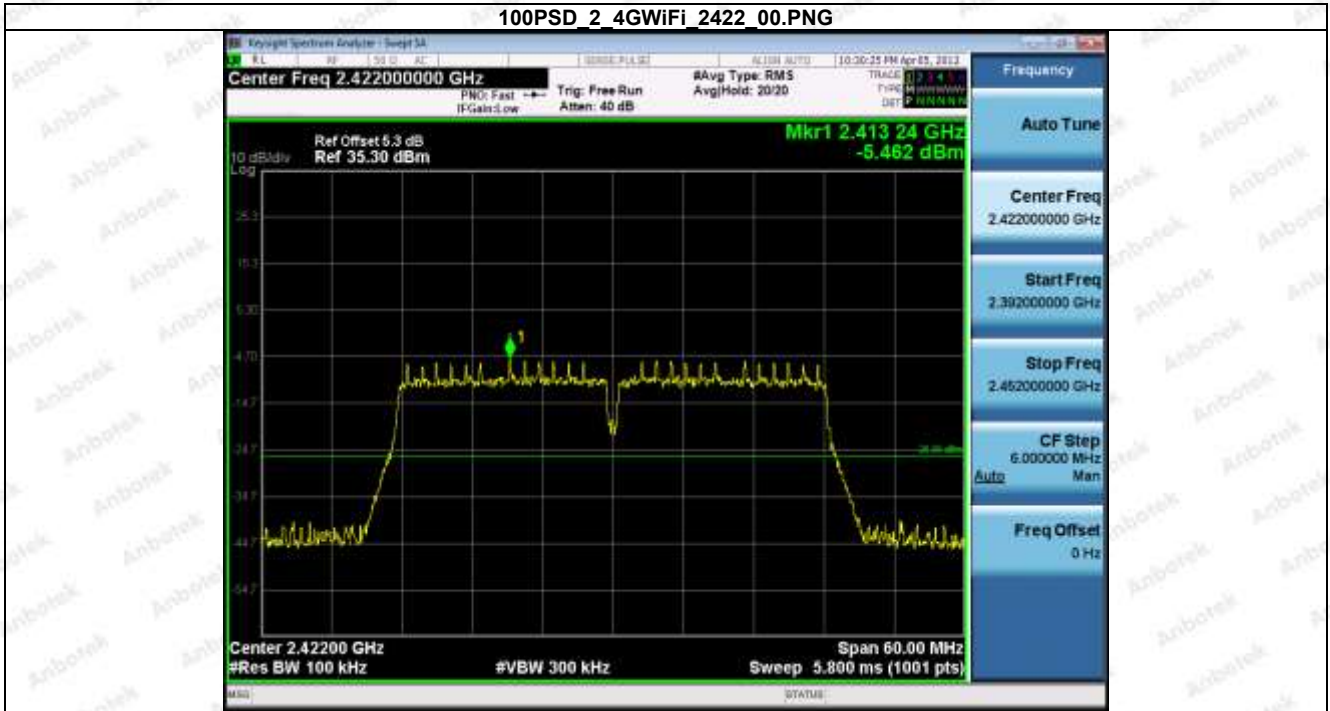


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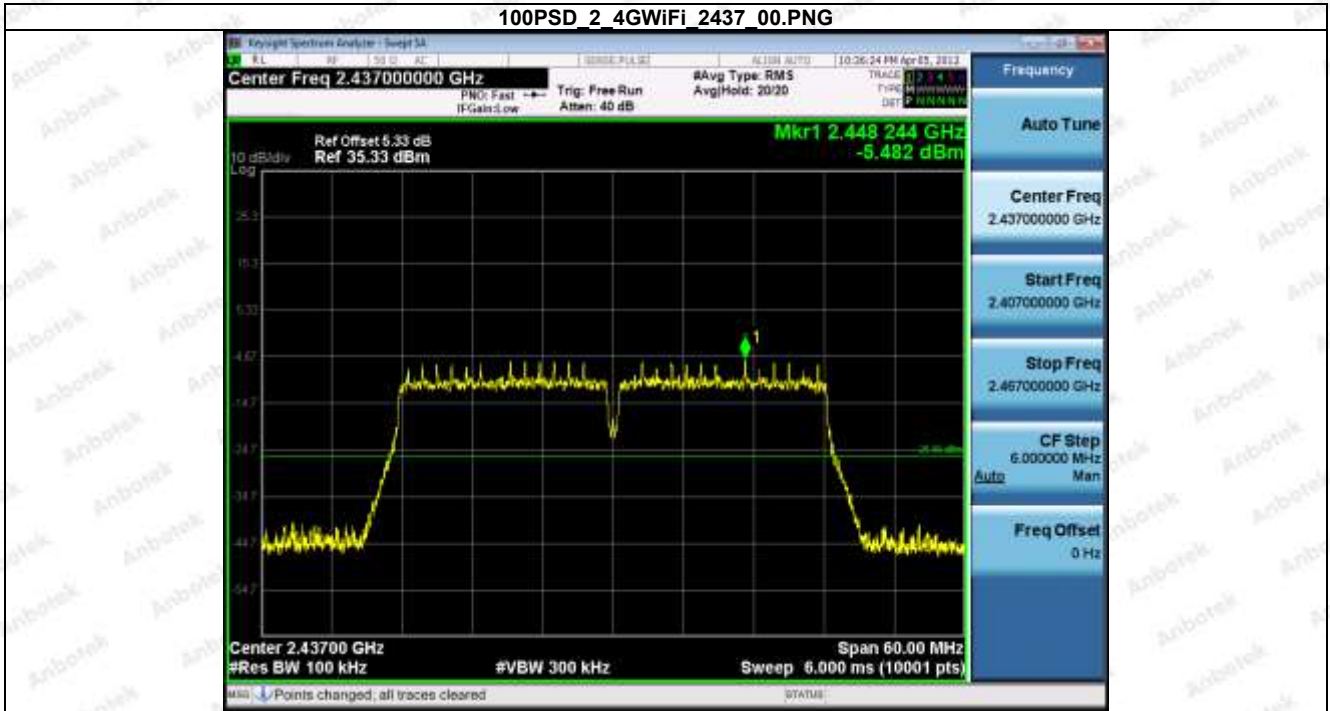
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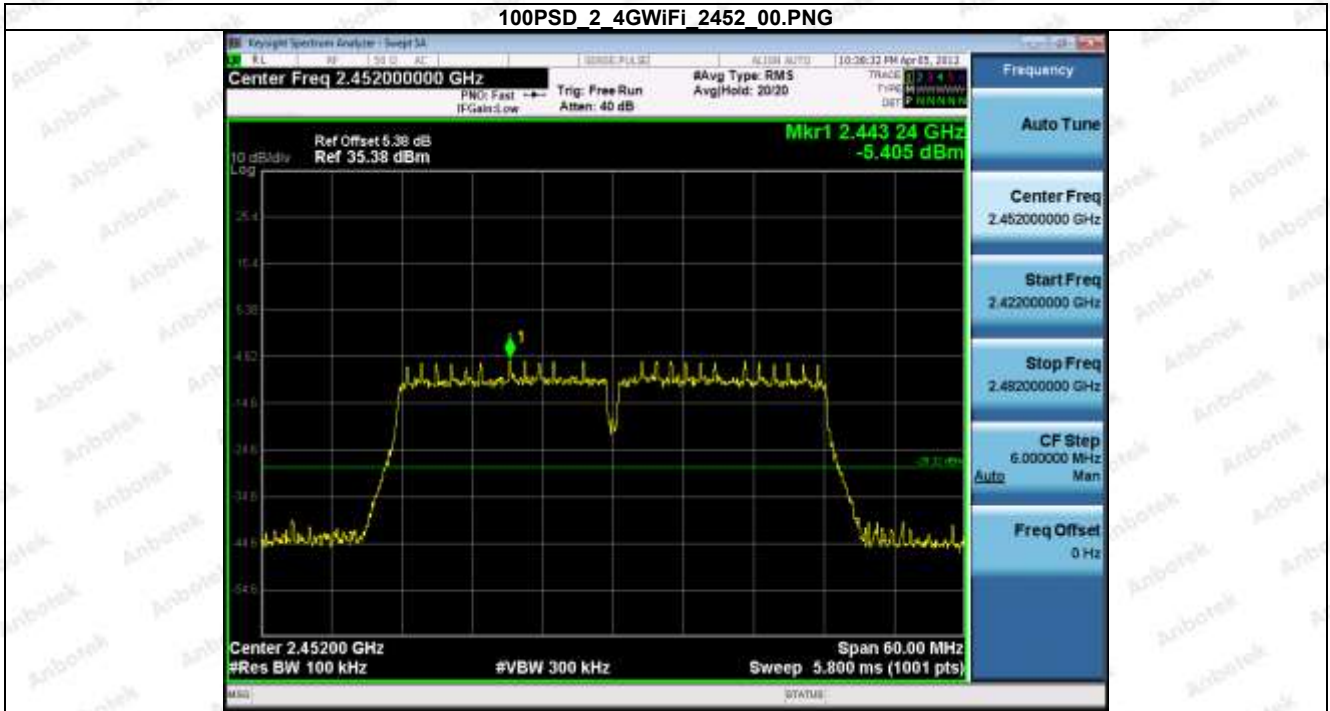
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