

Appendix Test Data

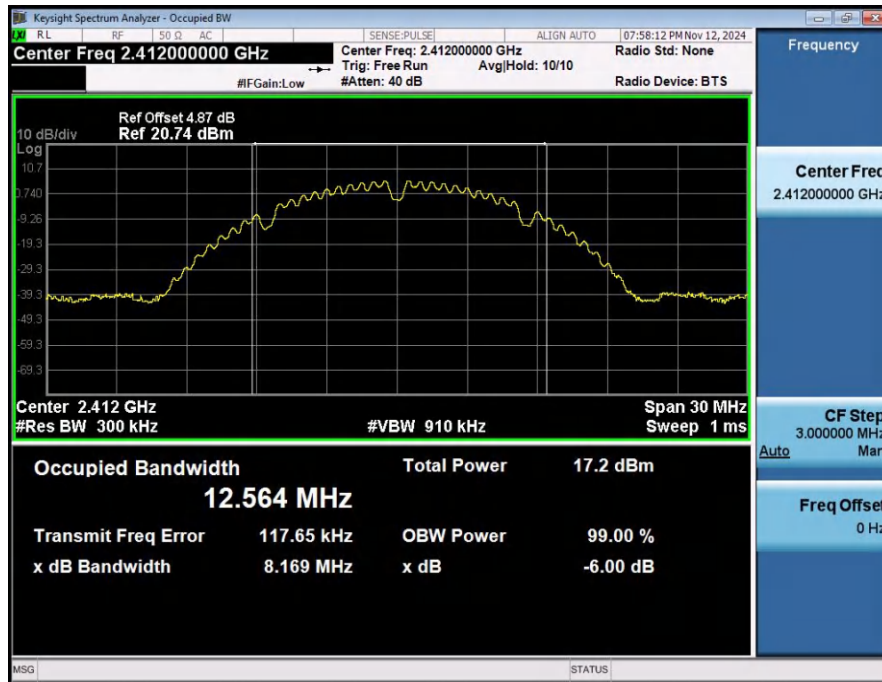
Report No.:	1812C40131512501	Test Sample No.:	1-2-2
Start Test Date:	2024.11.6	Finish Test Date:	2024.11.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.4℃	Relative Humidity:	50%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

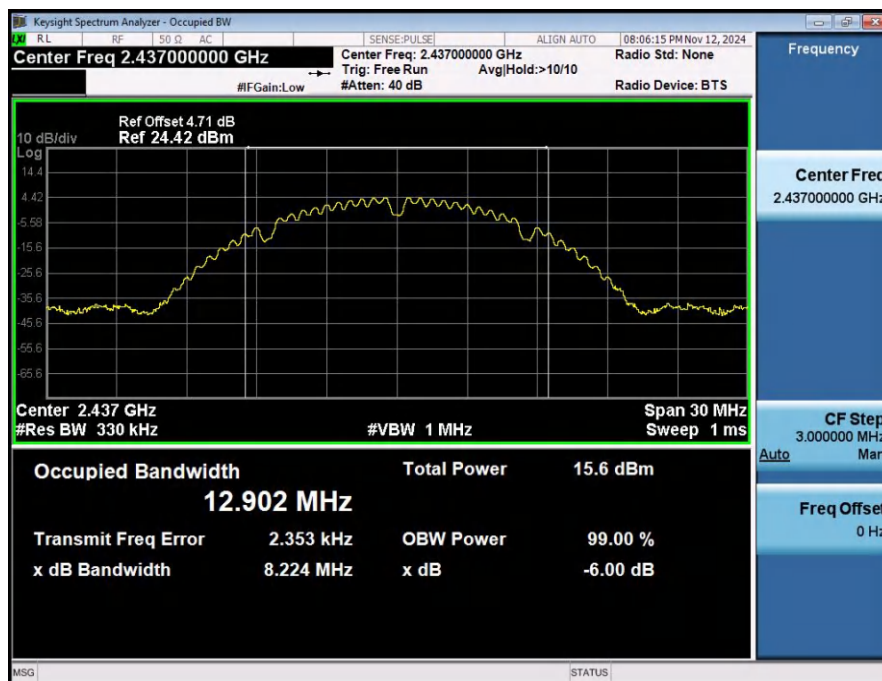
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.17	500	Pass
NVNT	ANT1	802.11b	2437.00	8.22	500	Pass
NVNT	ANT1	802.11b	2462.00	8.21	500	Pass
NVNT	ANT1	802.11g	2412.00	15.83	500	Pass
NVNT	ANT1	802.11g	2437.00	16.17	500	Pass
NVNT	ANT1	802.11g	2462.00	15.93	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.31	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.36	500	Pass



-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



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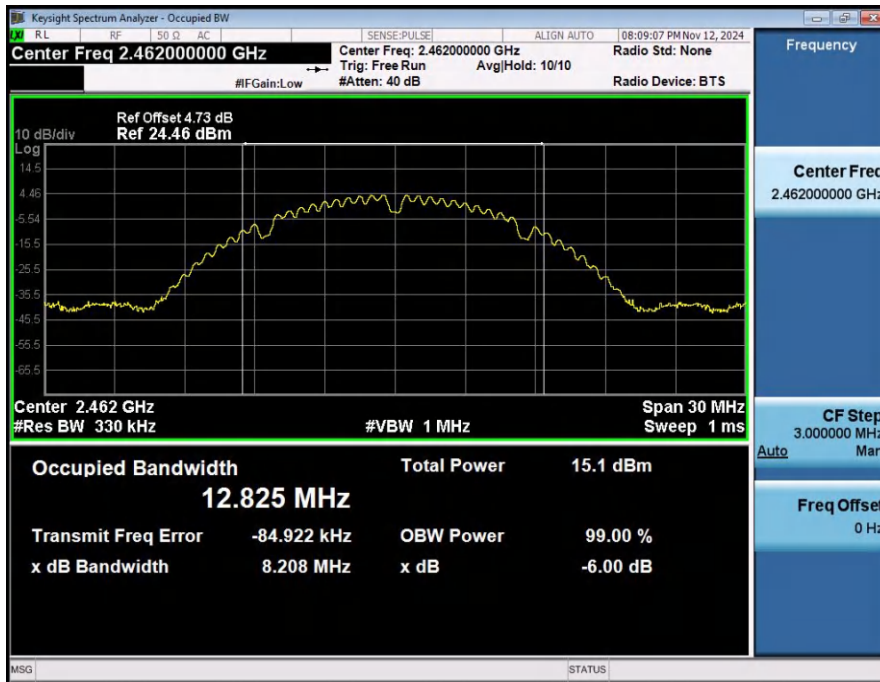
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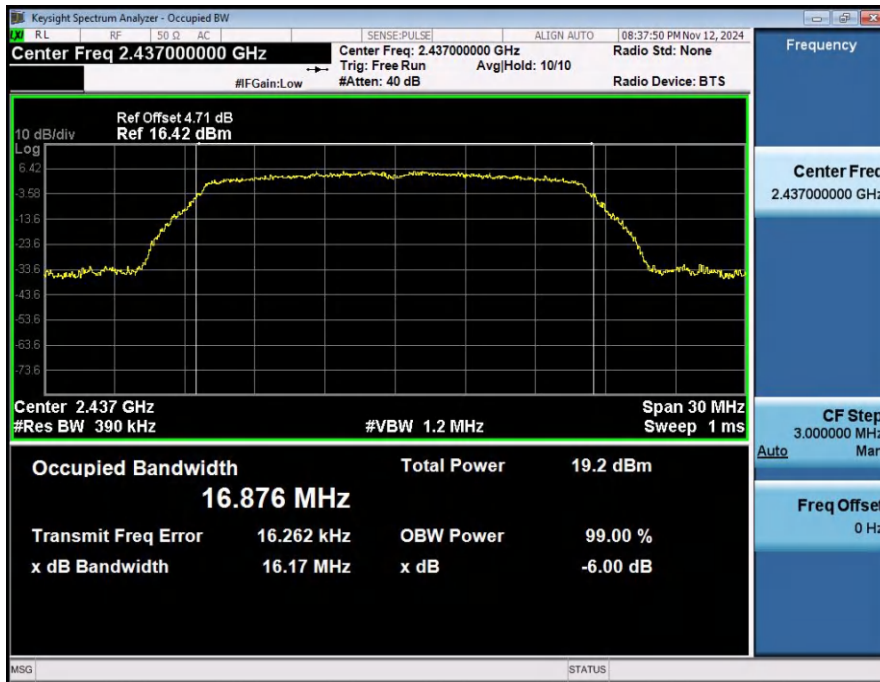
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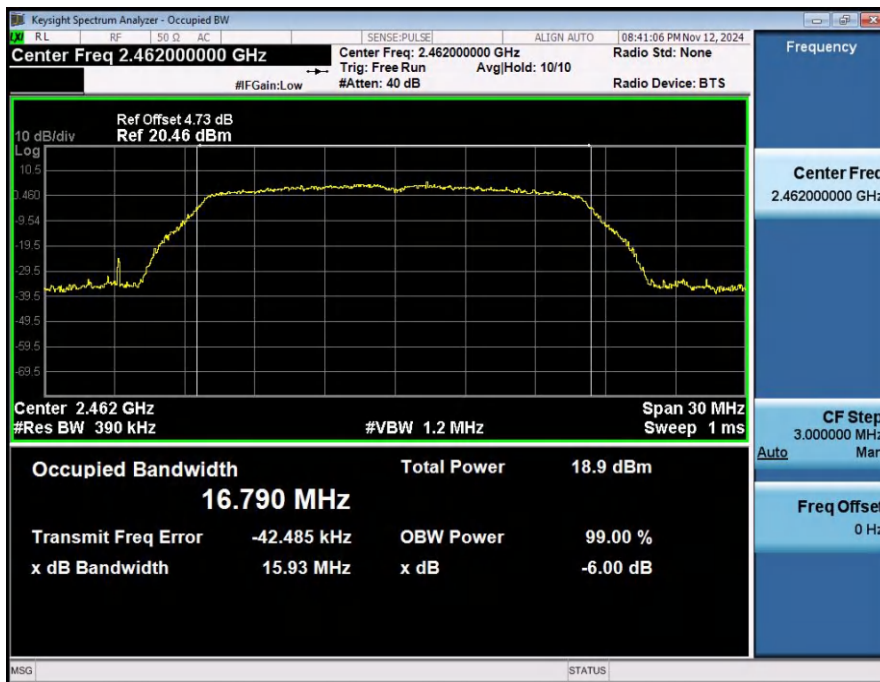
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



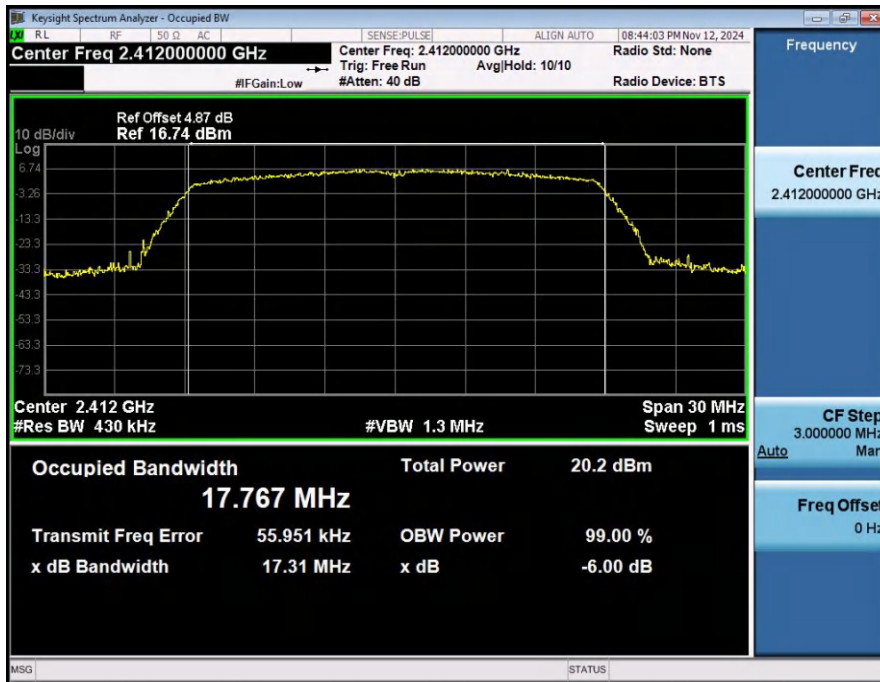
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-6dB_Bandwidth_NVNT_ANT1_802_11g_2462

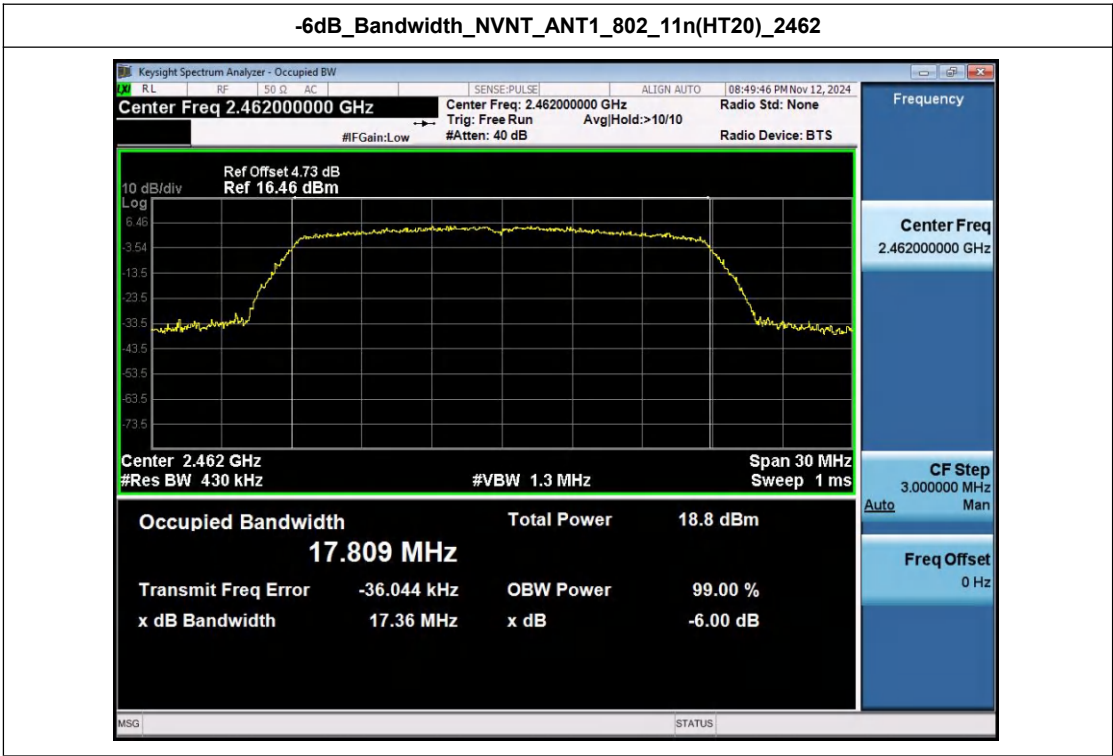


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437





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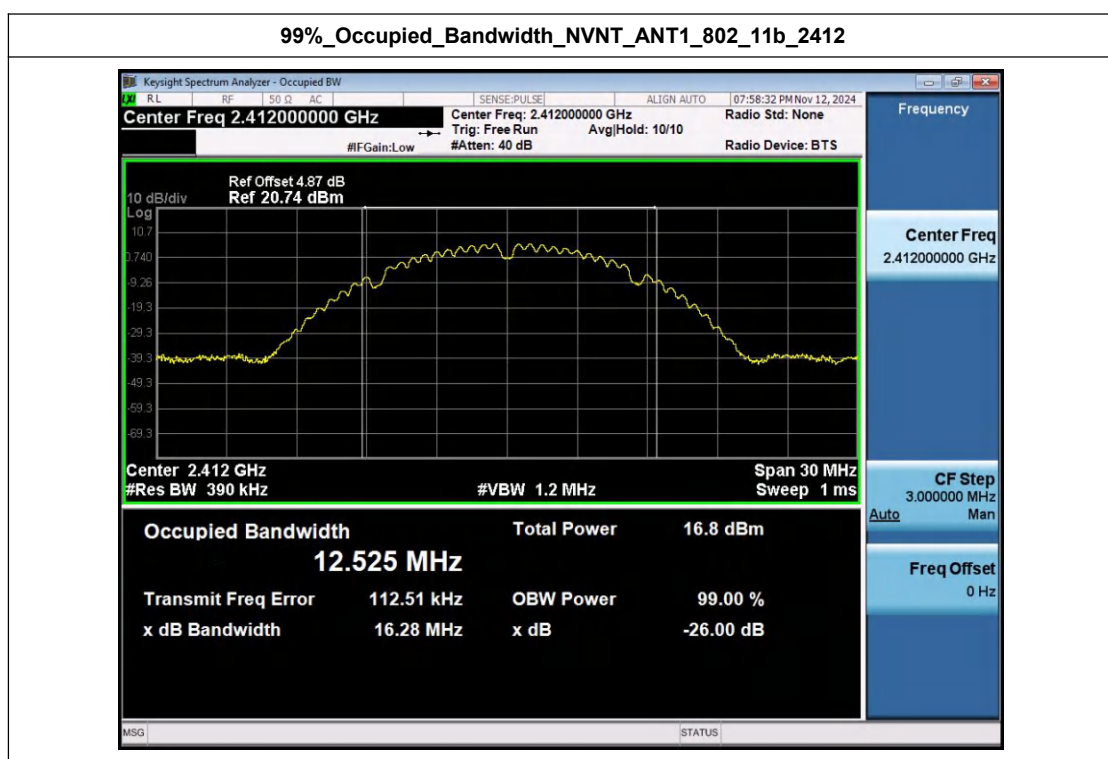
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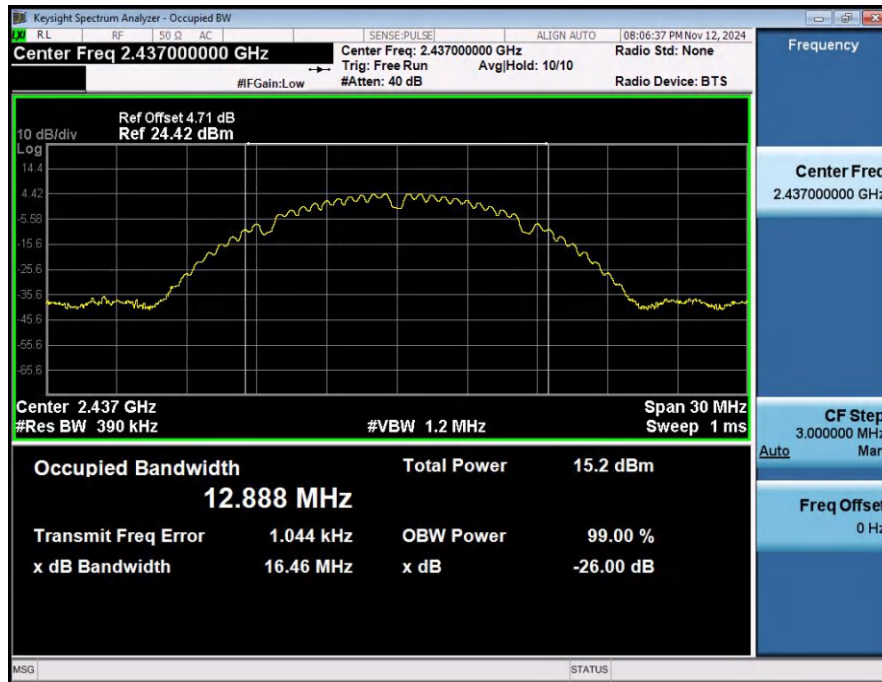


Appendix B: 99% Occupied Bandwidth

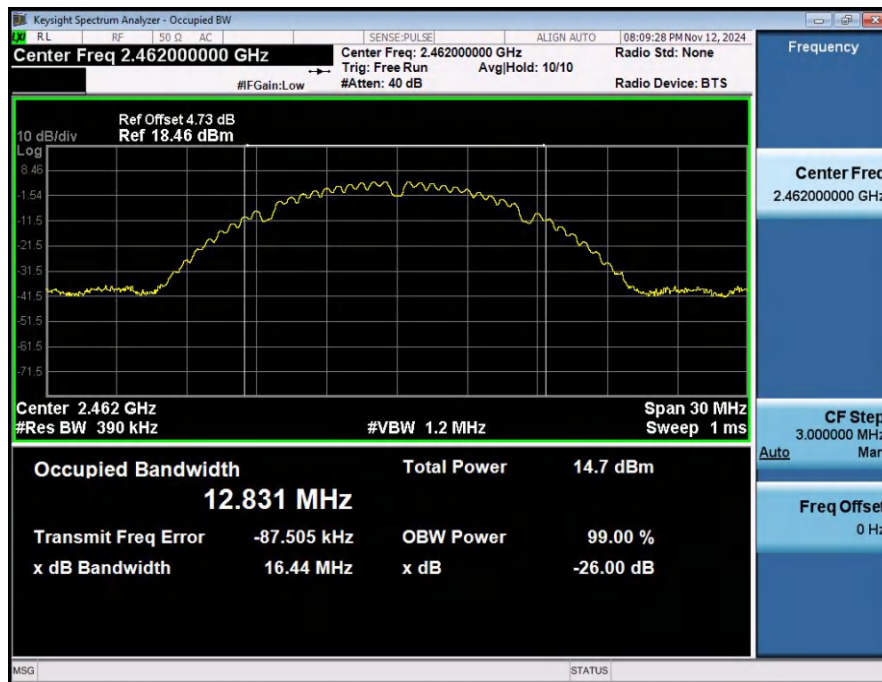
Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.525
NVNT	ANT1	802.11b	2437.00	12.888
NVNT	ANT1	802.11b	2462.00	12.831
NVNT	ANT1	802.11g	2412.00	16.946
NVNT	ANT1	802.11g	2437.00	17.045
NVNT	ANT1	802.11g	2462.00	16.970
NVNT	ANT1	802.11n(HT20)	2412.00	17.894
NVNT	ANT1	802.11n(HT20)	2437.00	17.938
NVNT	ANT1	802.11n(HT20)	2462.00	17.920



99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437



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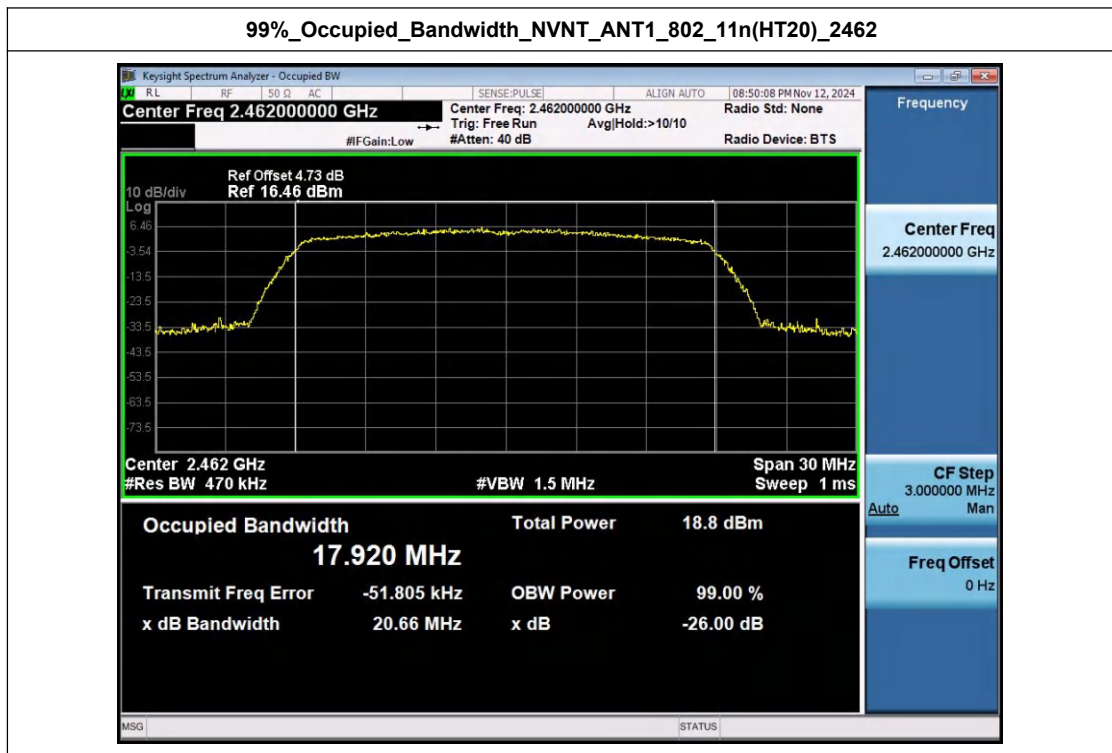
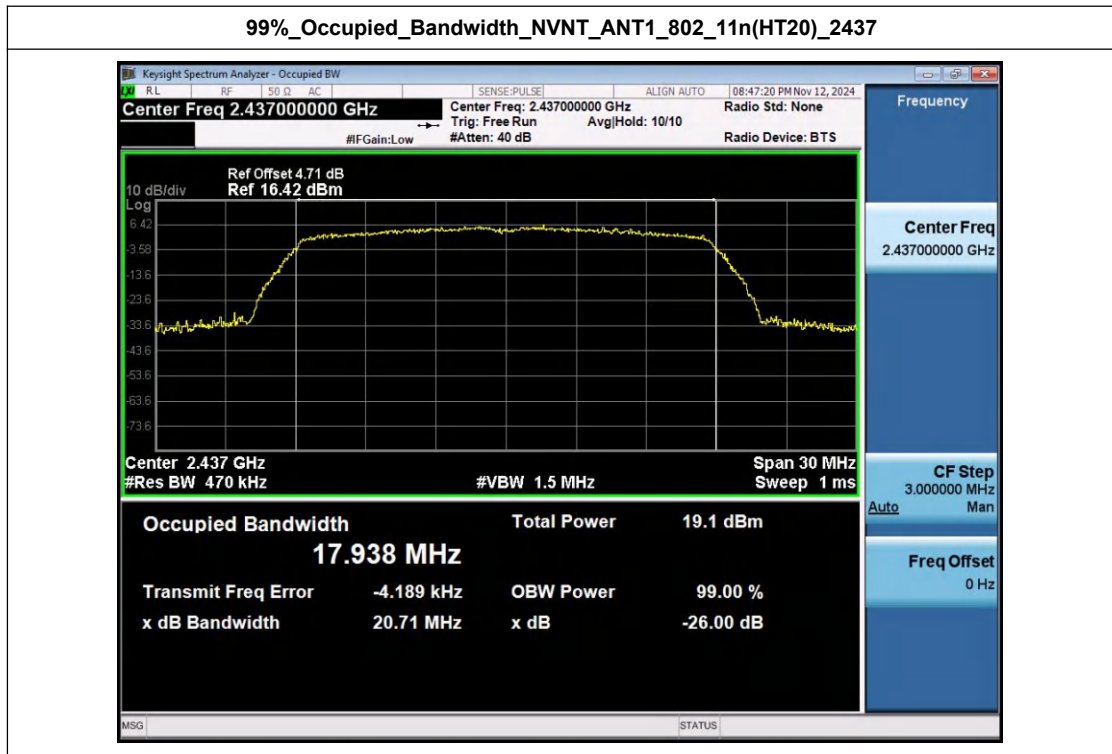


99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



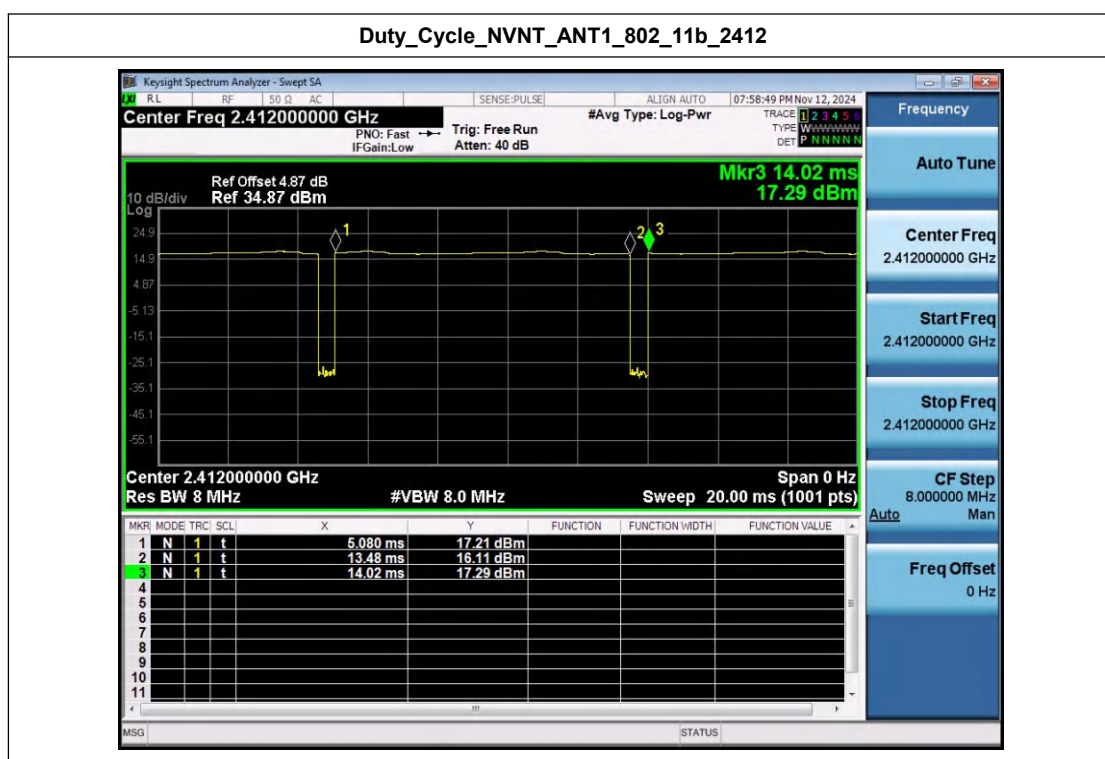
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



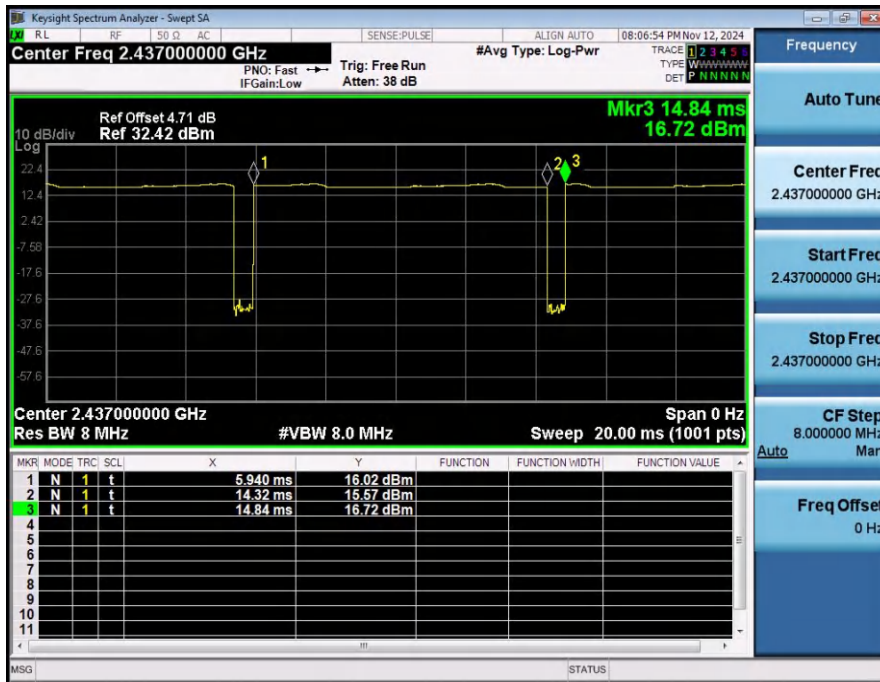


Appendix C: Duty Cycle

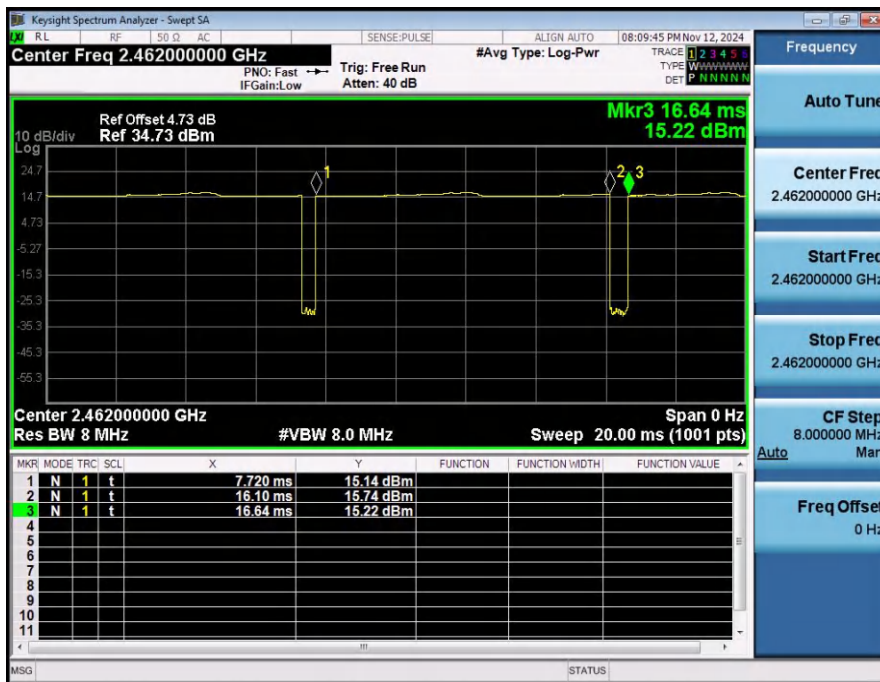
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	94.18	0.26
NVNT	ANT1	802.11b	2437.00	94.38	0.25
NVNT	ANT1	802.11b	2462.00	94.17	0.26
NVNT	ANT1	802.11g	2412.00	72.92	1.37
NVNT	ANT1	802.11g	2437.00	72.16	1.42
NVNT	ANT1	802.11g	2462.00	73.96	1.31
NVNT	ANT1	802.11n(HT20)	2412.00	81.71	0.88
NVNT	ANT1	802.11n(HT20)	2437.00	80.25	0.96
NVNT	ANT1	802.11n(HT20)	2462.00	80.72	0.93



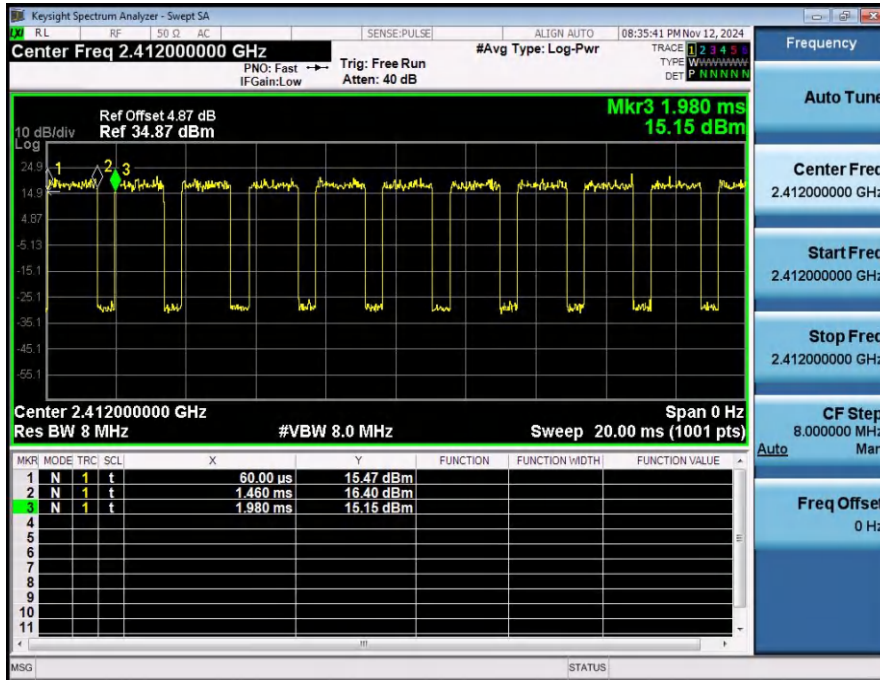
Duty_Cycle_NVNT_ANT1_802_11b_2437



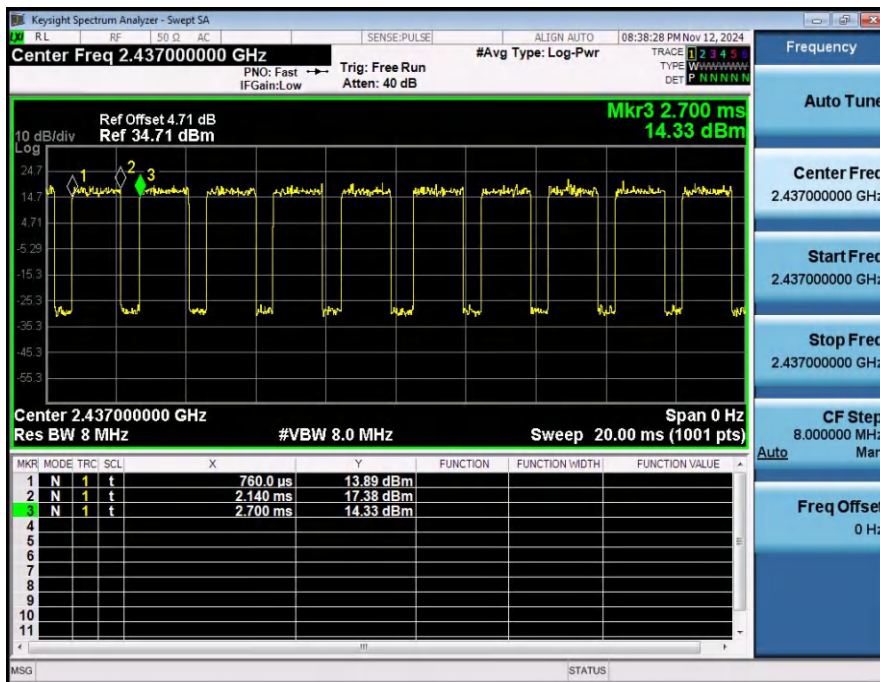
Duty_Cycle_NVNT_ANT1_802_11b_2462



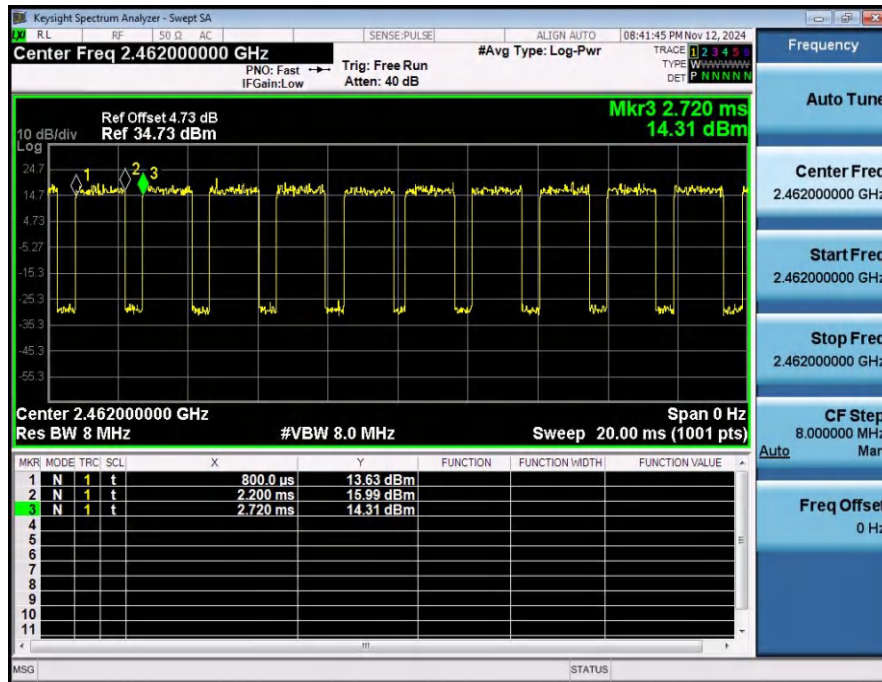
Duty_Cycle_NVNT_ANT1_802_11g_2412



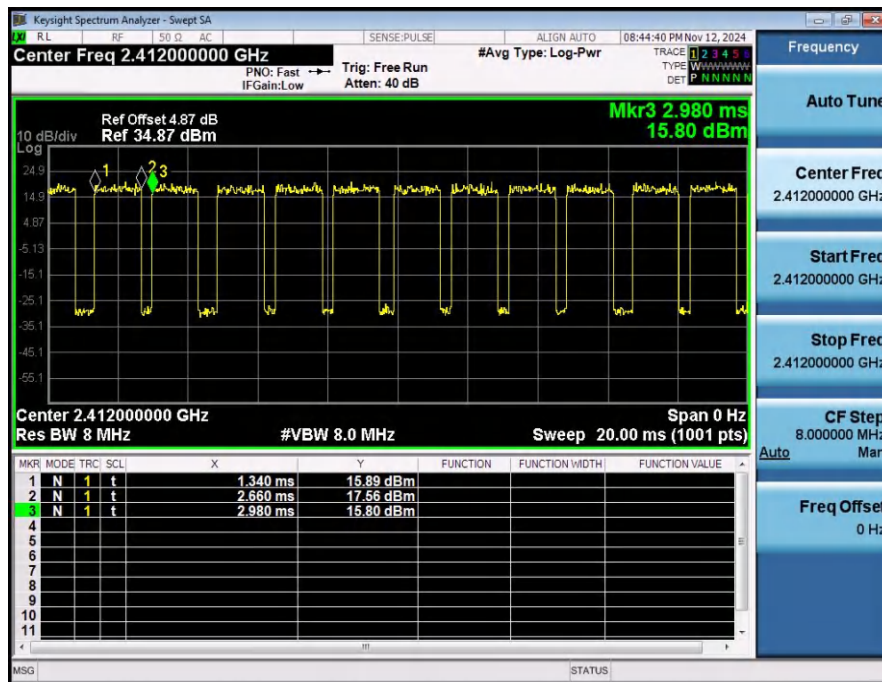
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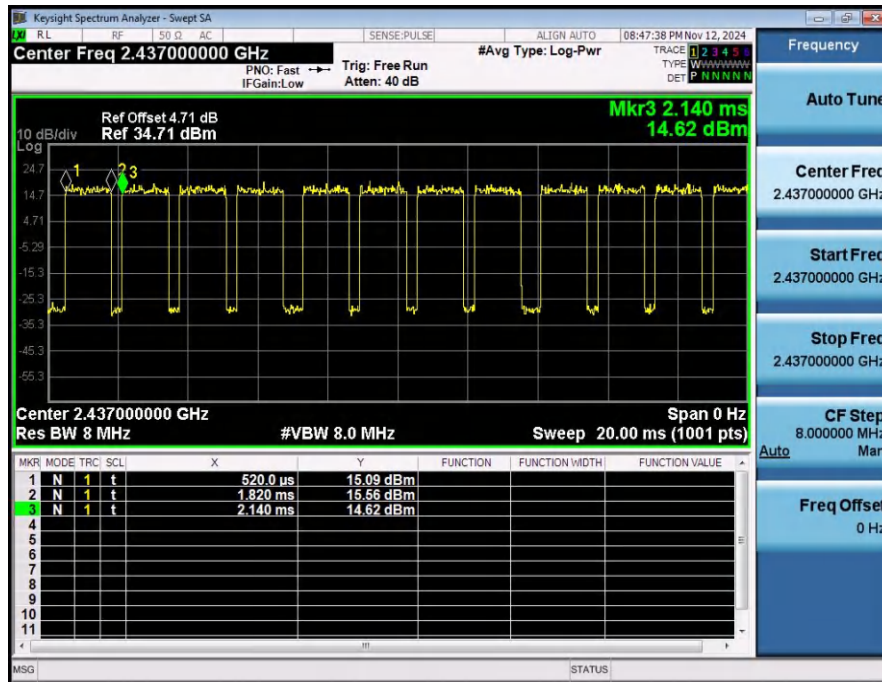
Duty_Cycle_NVNT_ANT1_802_11g_2462



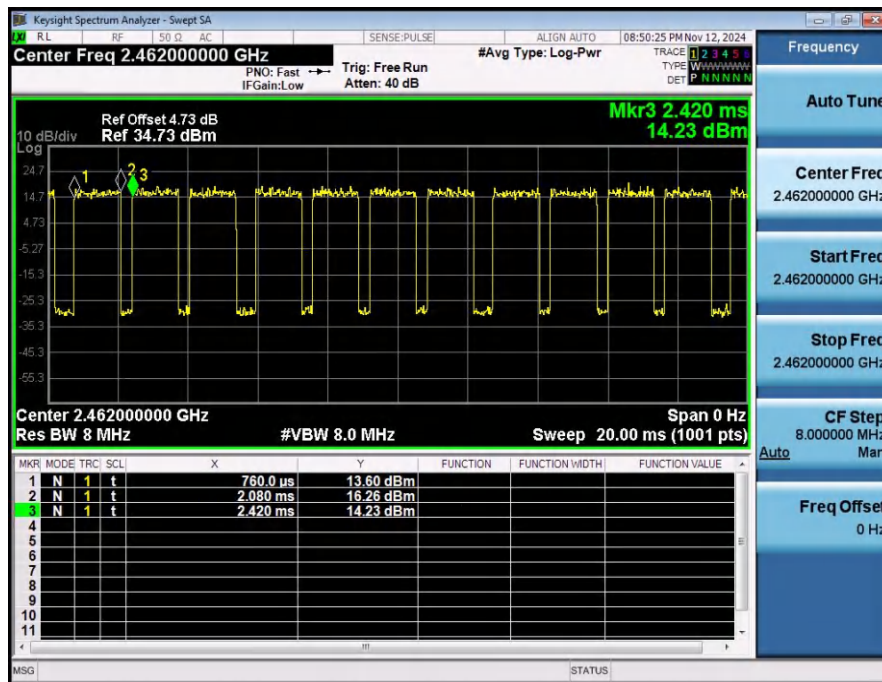
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Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



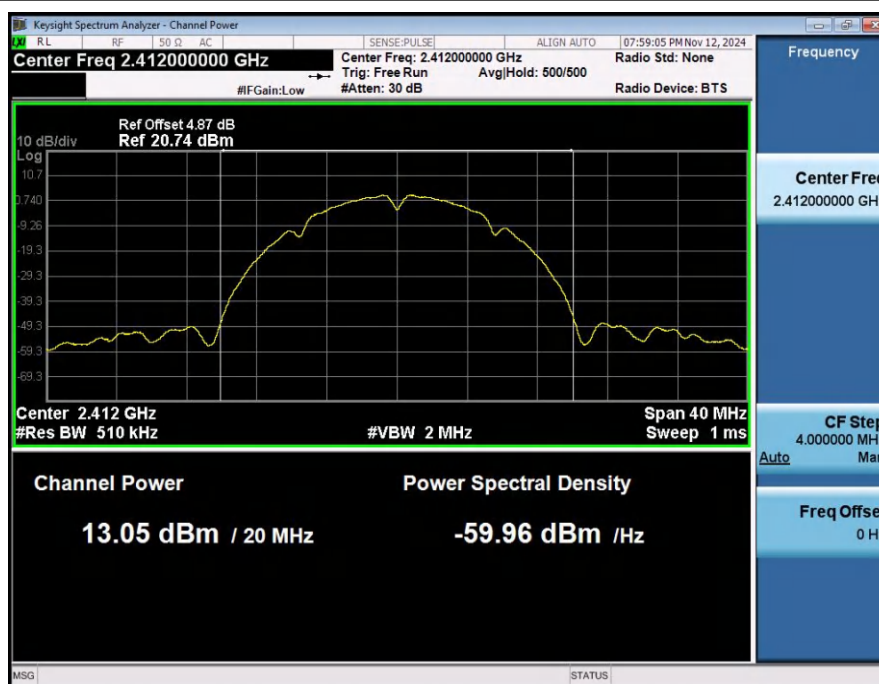
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



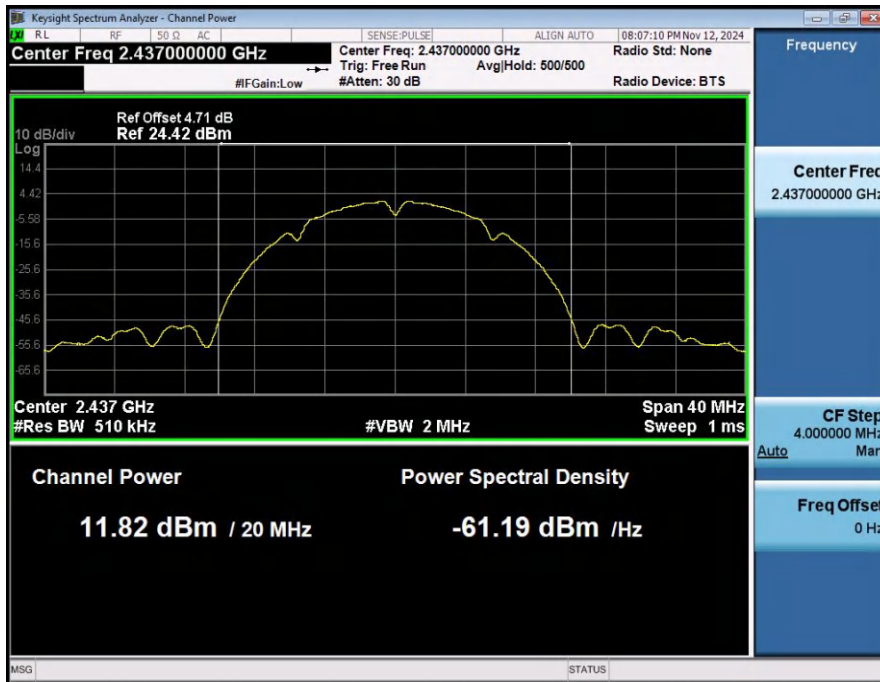
Appendix D: MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	RMS	13.05	0.26	13.31	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	11.82	0.25	12.07	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	11.39	0.26	11.65	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	11.71	1.37	13.08	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	10.76	1.42	12.18	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	10.49	1.31	11.80	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	11.80	0.88	12.68	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	10.85	0.96	11.81	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	10.47	0.93	11.40	30	Pass

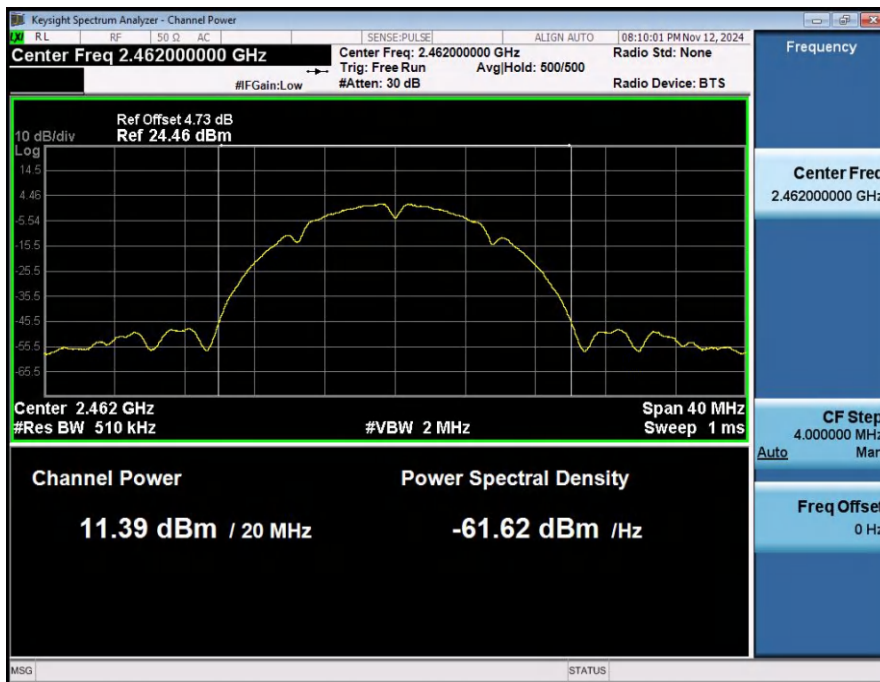
MAX_Output_Power_NVNT_ANT1_802_11b_2412



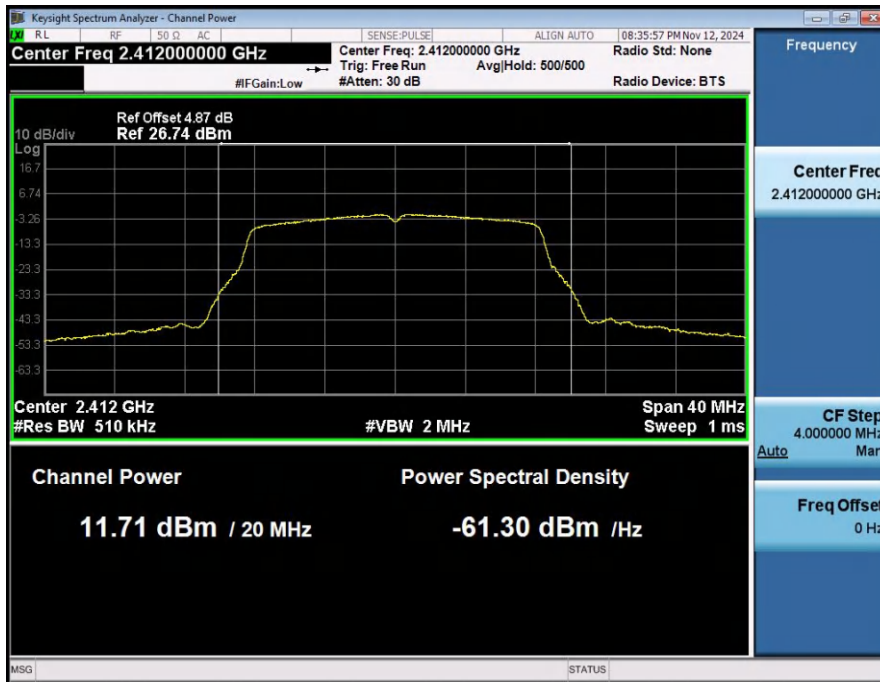
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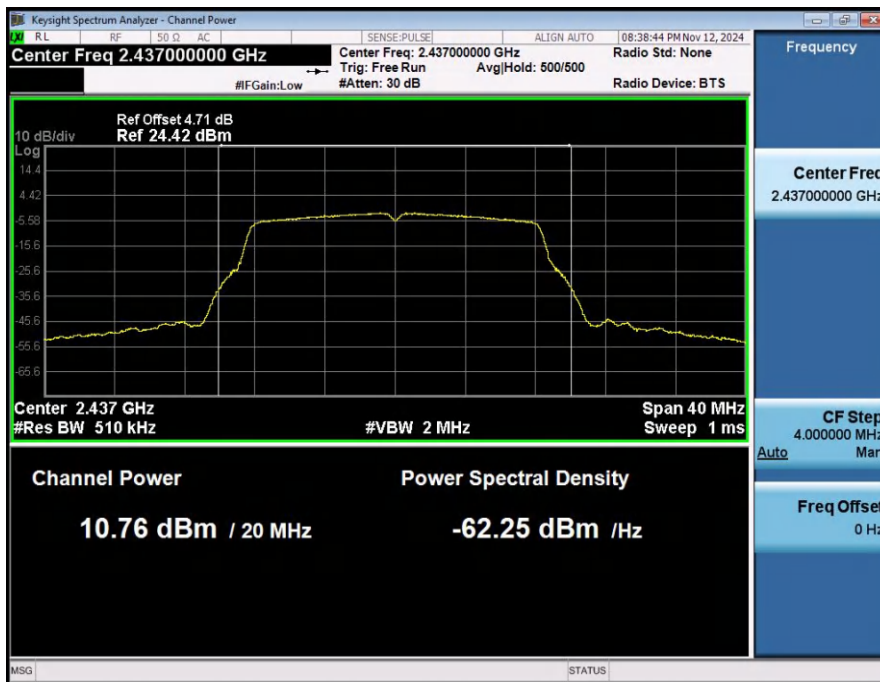
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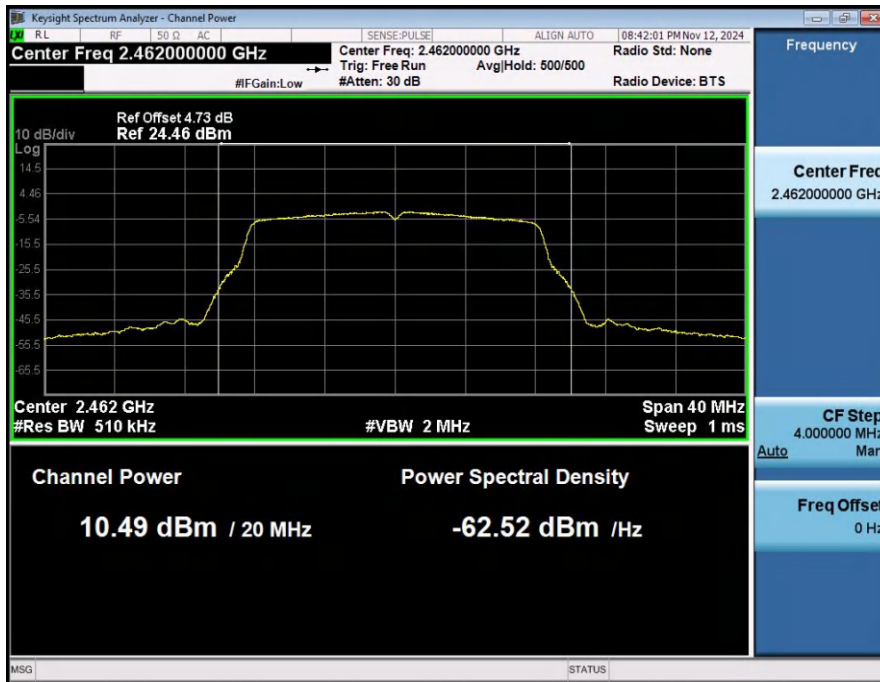
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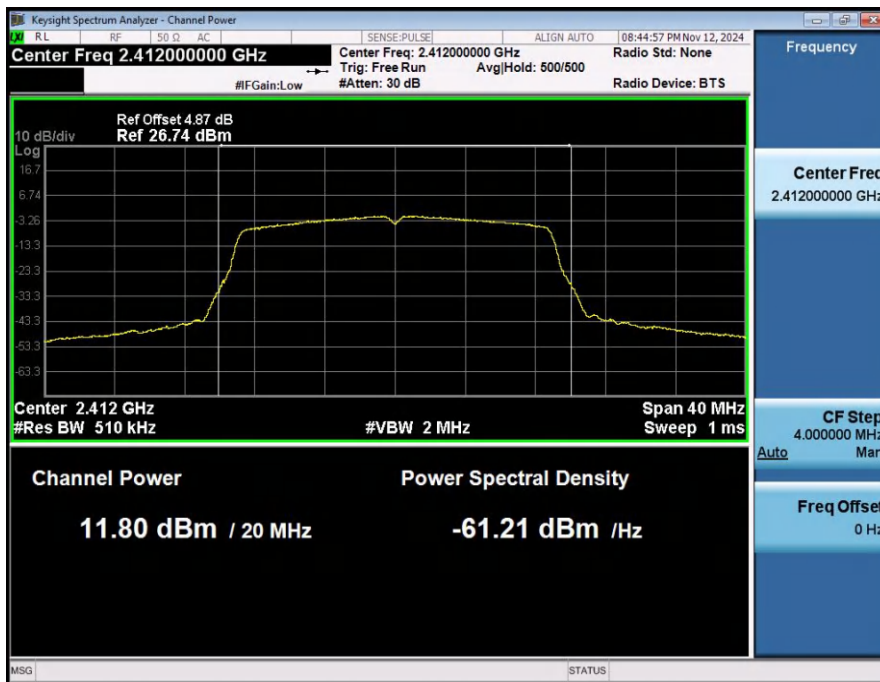
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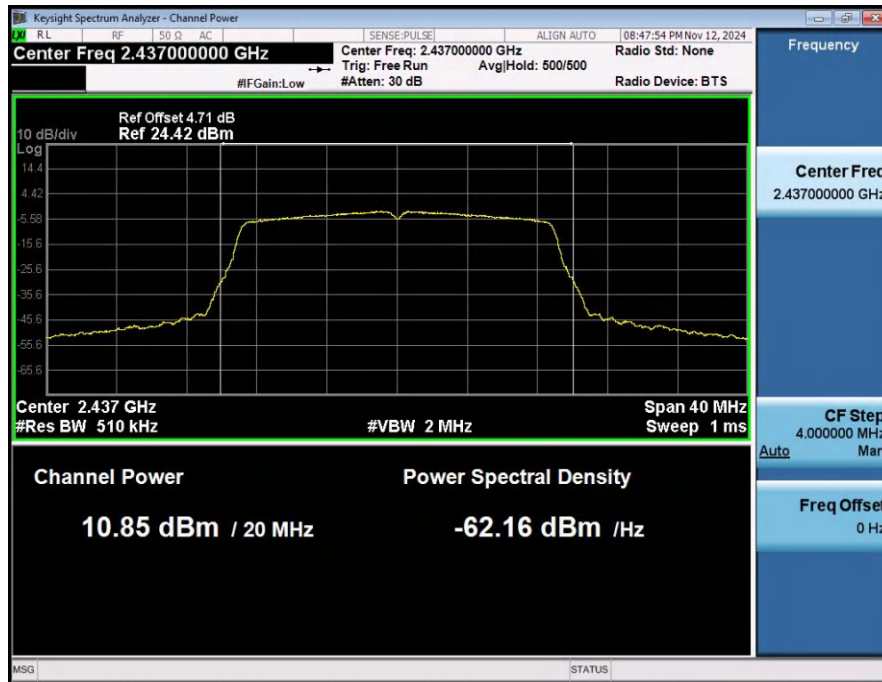
MAX__Output_Power_NVNT_ANT1_802_11g_2462



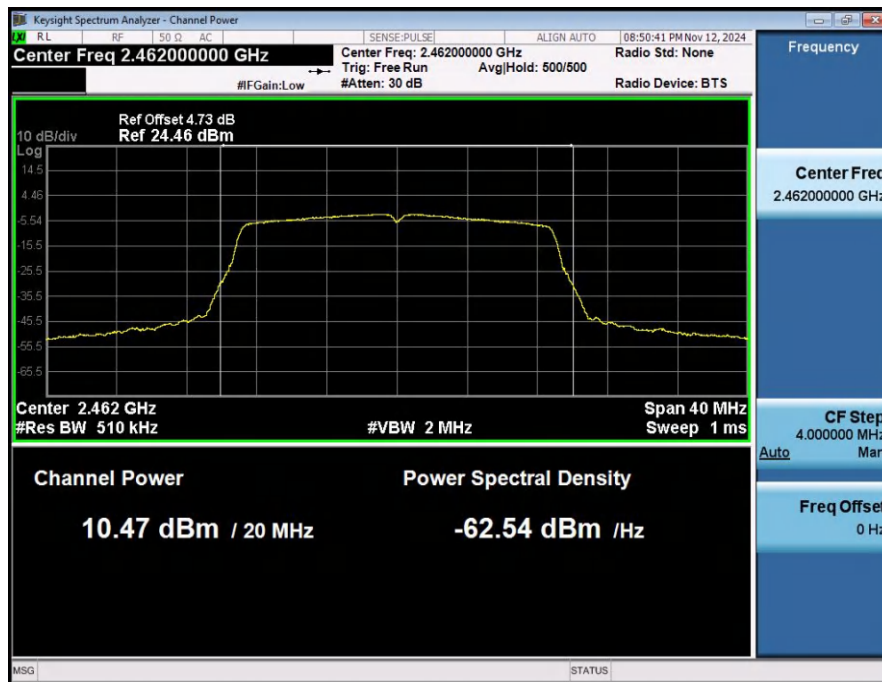
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2412



MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2437



MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2462



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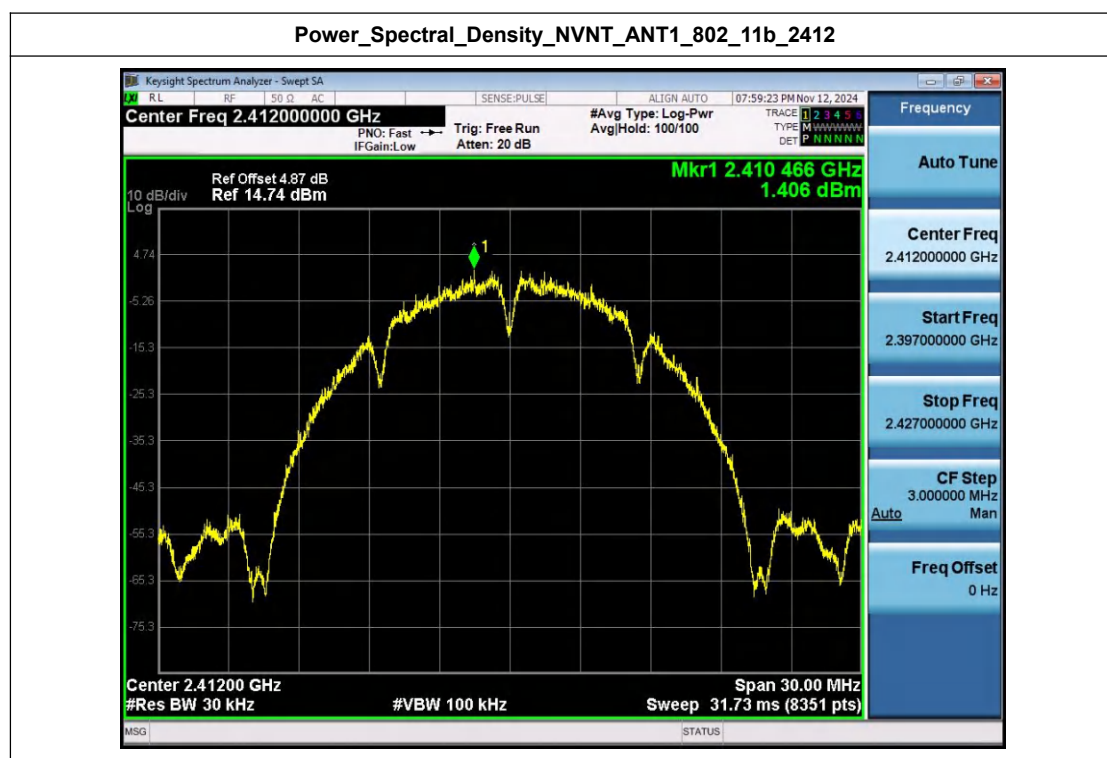
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Appendix E: Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3 kHz)	limit(dBm/3 kHz)	Result
NVNT	ANT1	802.11b	2412.00	1.41	0.26	-10.00	-8.33	8	Pass
NVNT	ANT1	802.11b	2437.00	0.20	0.25	-10.00	-9.55	8	Pass
NVNT	ANT1	802.11b	2462.00	-0.54	0.26	-10.00	-10.28	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.17	1.37	-10.00	-10.80	8	Pass
NVNT	ANT1	802.11g	2437.00	-3.00	1.42	-10.00	-11.58	8	Pass
NVNT	ANT1	802.11g	2462.00	-3.62	1.31	-10.00	-12.31	8	Pass
NVNT	ANT1	802.11n(HT 20)	2412.00	-1.93	0.88	-10.00	-11.05	8	Pass
NVNT	ANT1	802.11n(HT 20)	2437.00	-3.15	0.96	-10.00	-12.19	8	Pass
NVNT	ANT1	802.11n(HT 20)	2462.00	-3.52	0.93	-10.00	-12.59	8	Pass



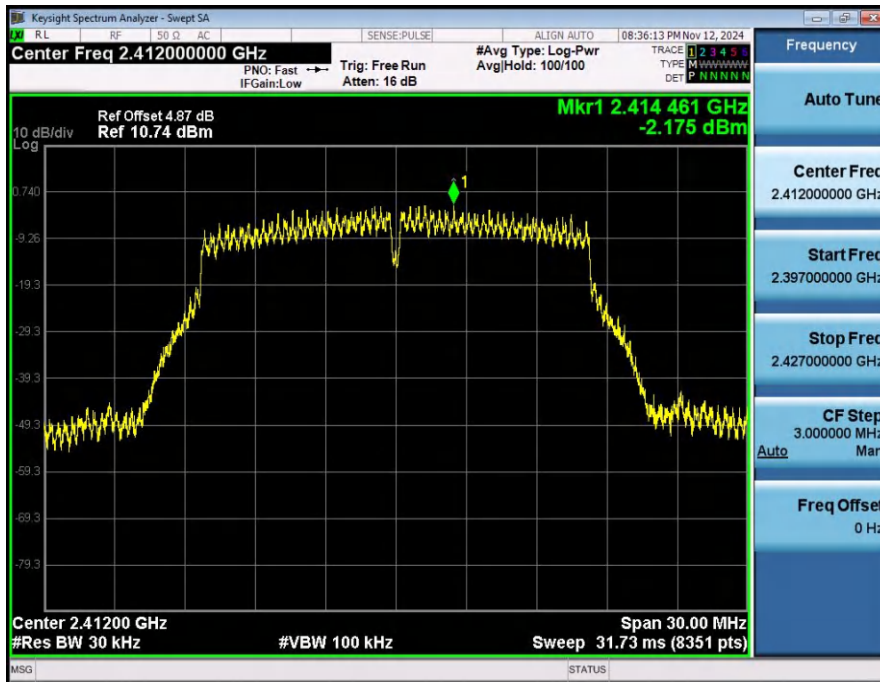
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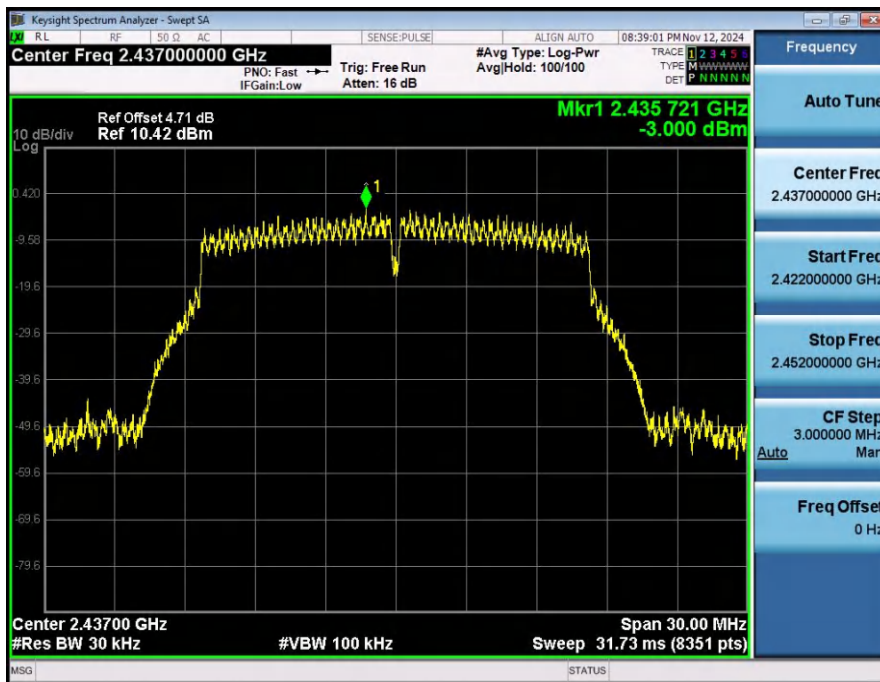
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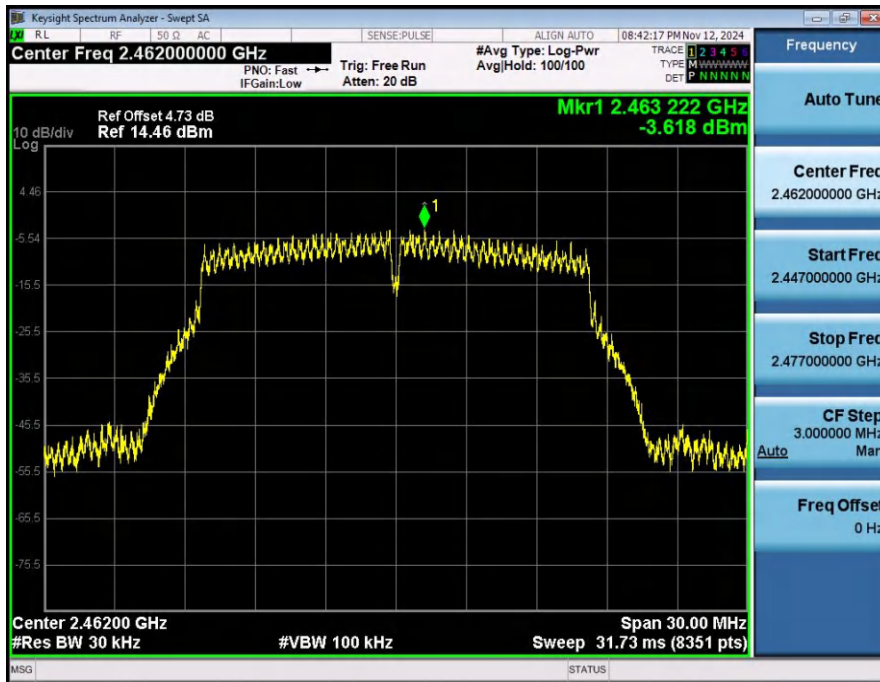
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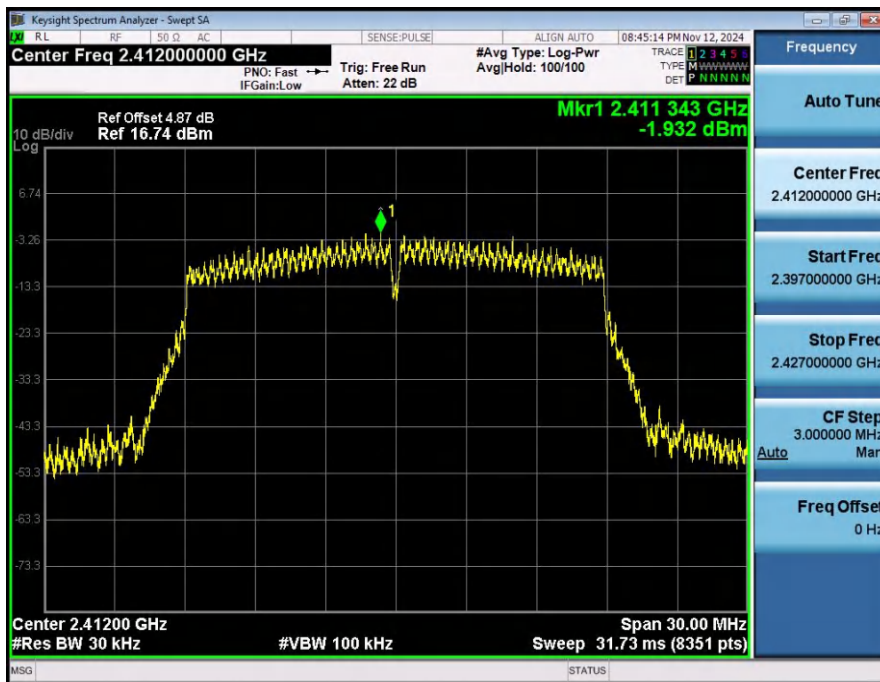
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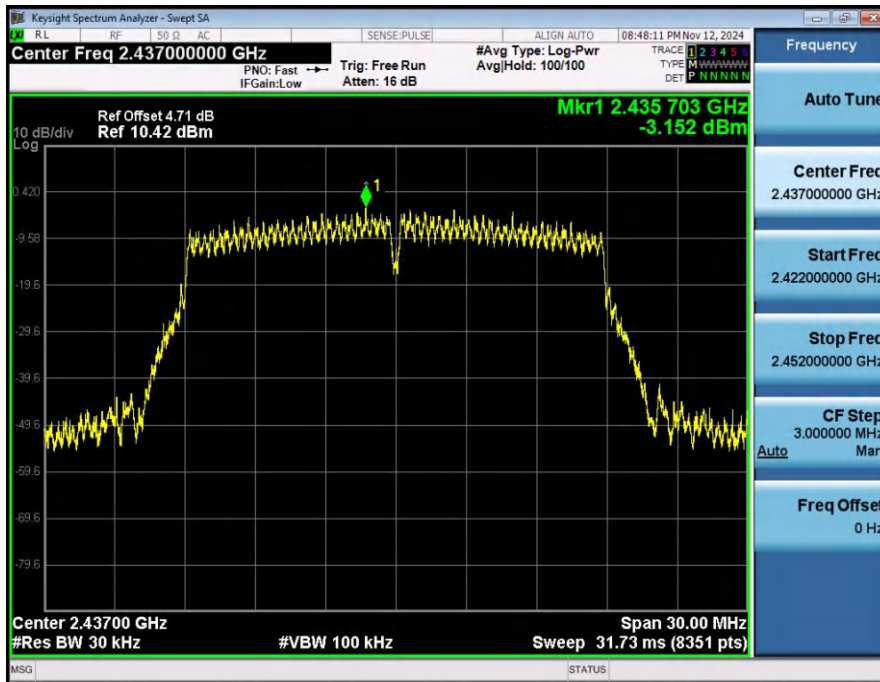
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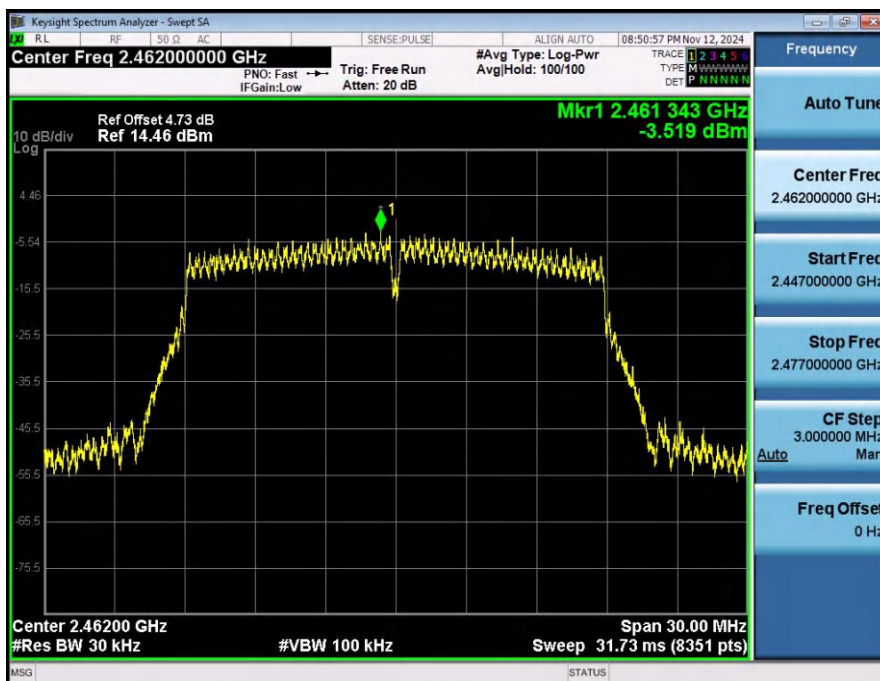
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



Appendix F: Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2398.928	-52.000	-26.545	Pass
NVNT	ANT1	802.11b	2462.00	2484.016	-61.501	-27.630	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	-43.204	-29.319	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	-51.894	-31.772	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-44.337	-28.739	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.584	-51.954	-31.122	Pass

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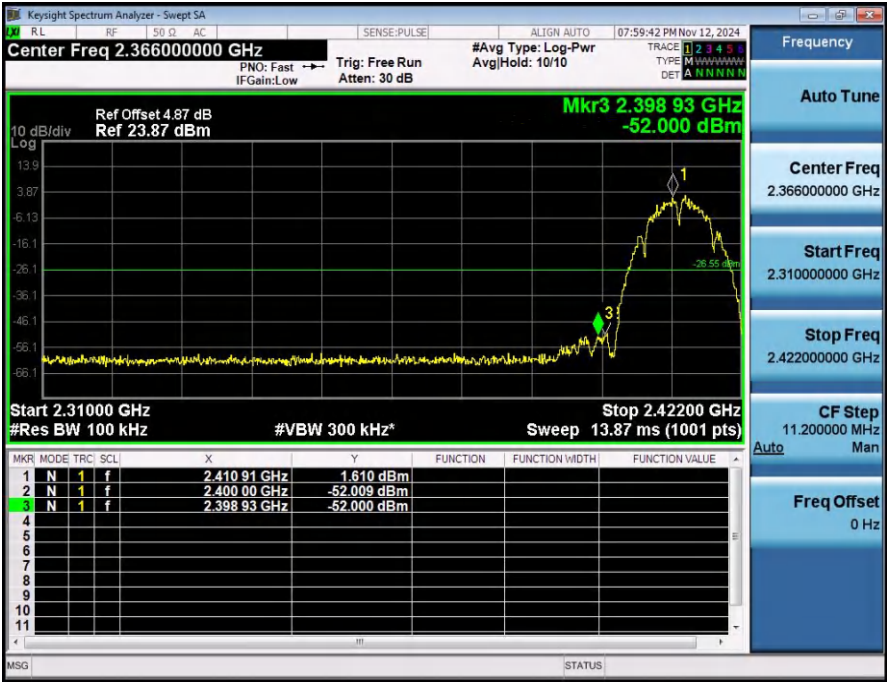
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1_Reference_Level_NVNT_ANT1_802_11b_2412



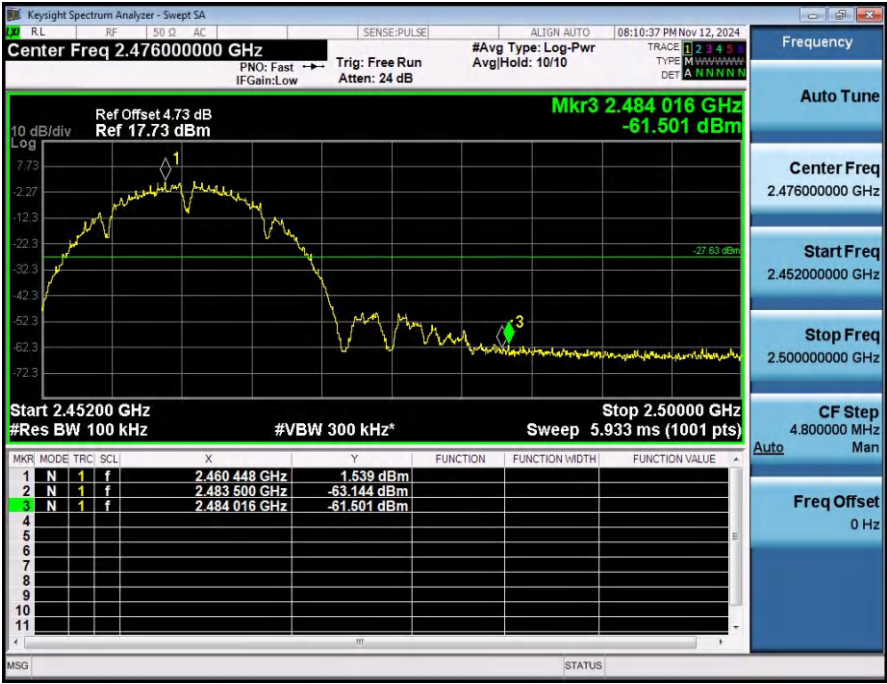
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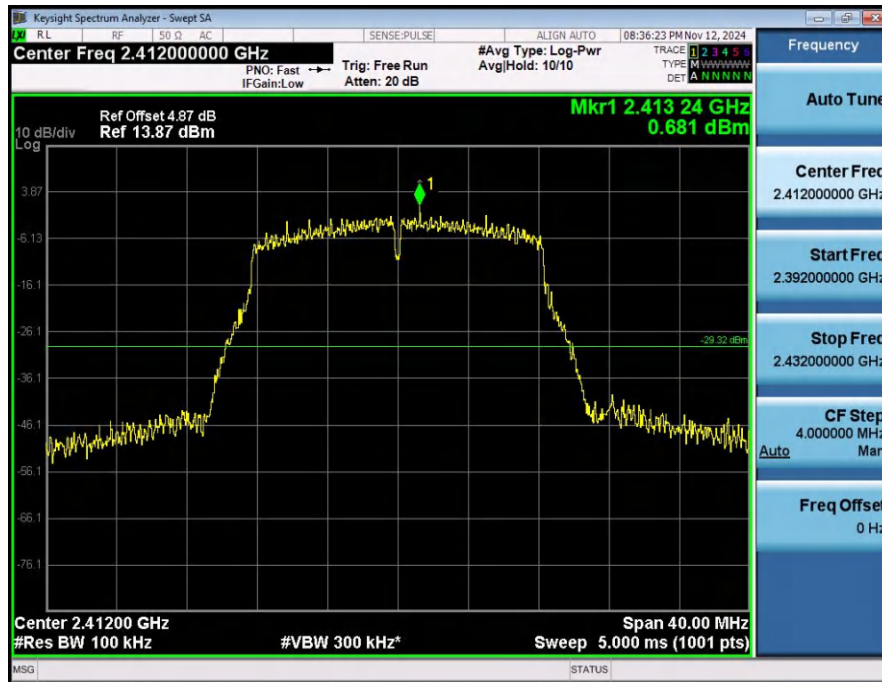
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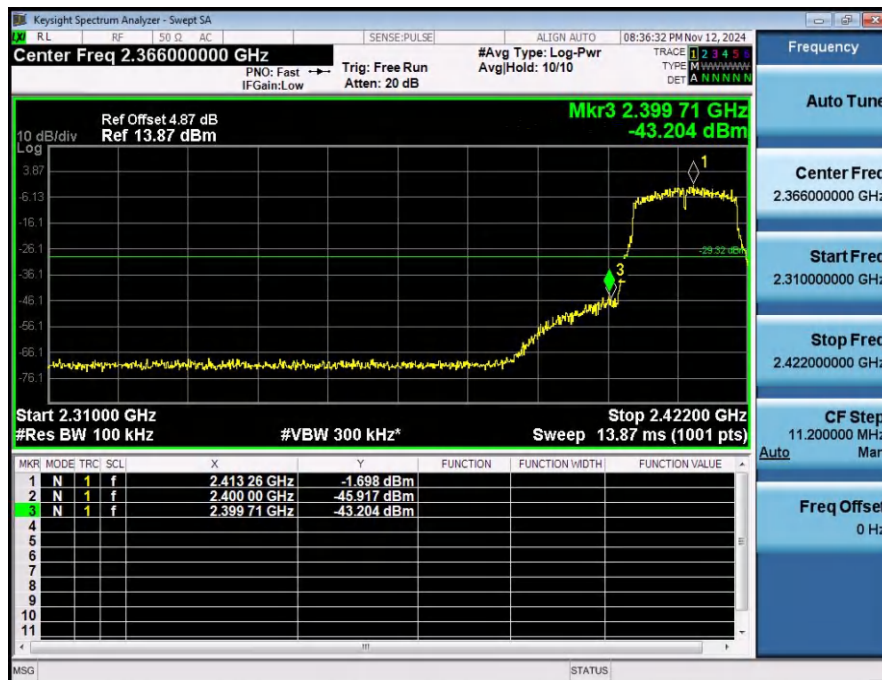
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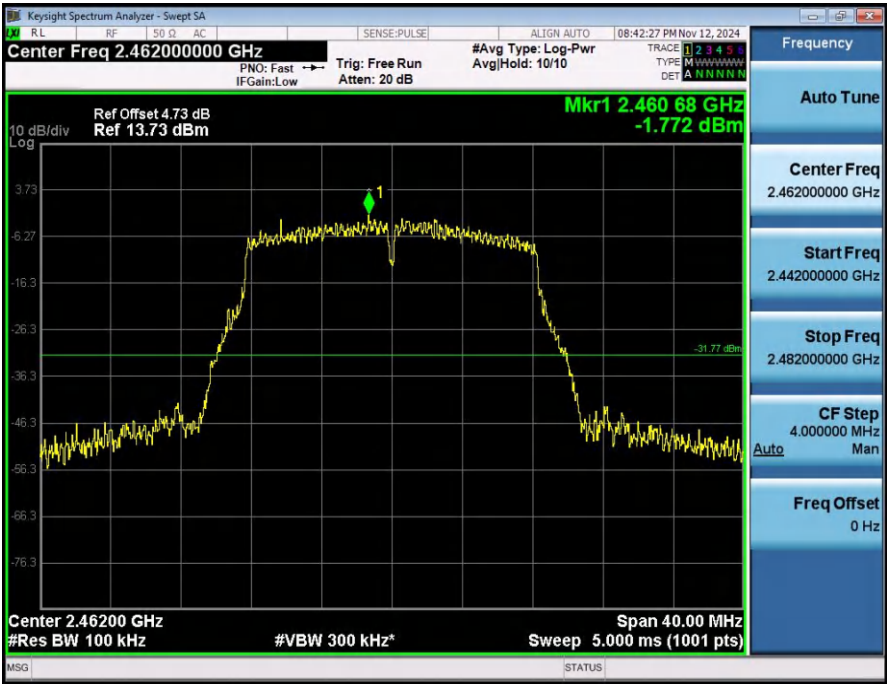
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2_Bandedge_NVNT_ANT1_802_11g_2412



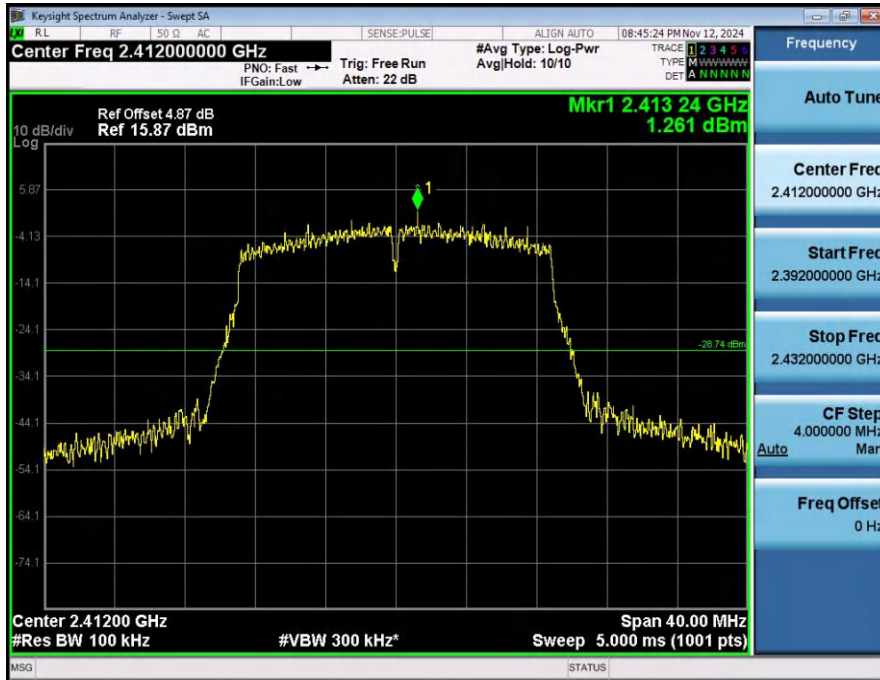
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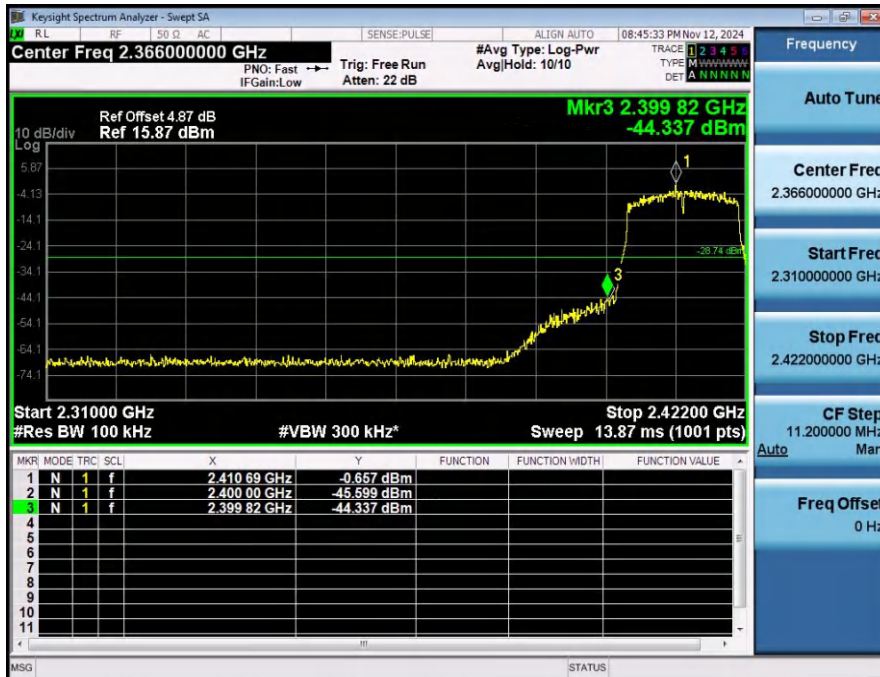
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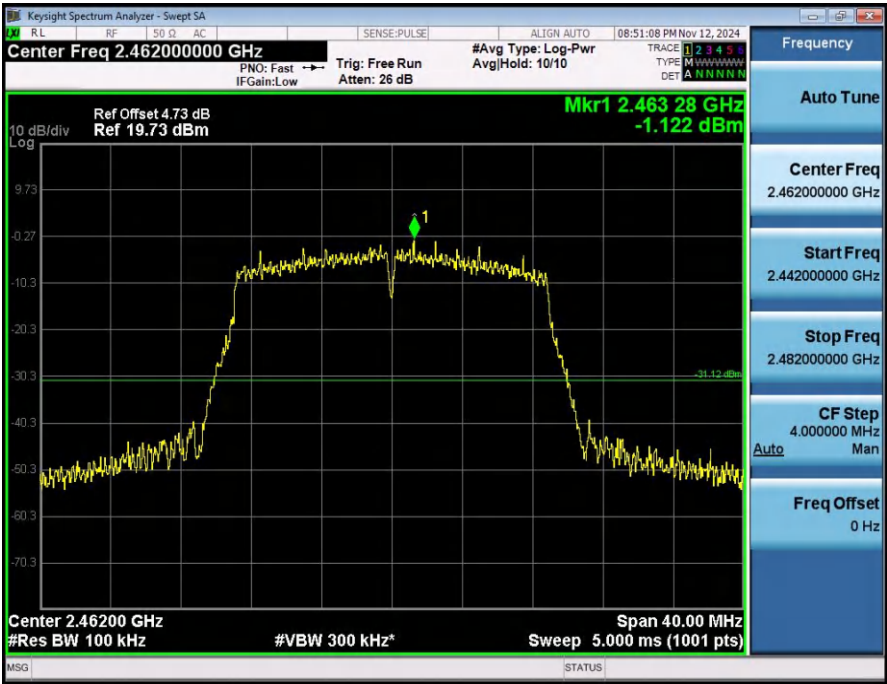
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2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



Appendix G: Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24742.809	-52.350	-26.545	Pass
NVNT	ANT1	802.11b	2437.00	24912.605	-52.587	-26.493	Pass
NVNT	ANT1	802.11b	2462.00	24662.905	-57.257	-27.630	Pass
NVNT	ANT1	802.11g	2412.00	24752.797	-62.184	-29.319	Pass
NVNT	ANT1	802.11g	2437.00	24997.503	-53.906	-28.823	Pass
NVNT	ANT1	802.11g	2462.00	24627.947	-62.364	-31.772	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24975.030	-59.959	-28.739	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24947.563	-53.950	-28.260	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24727.827	-55.907	-31.122	Pass

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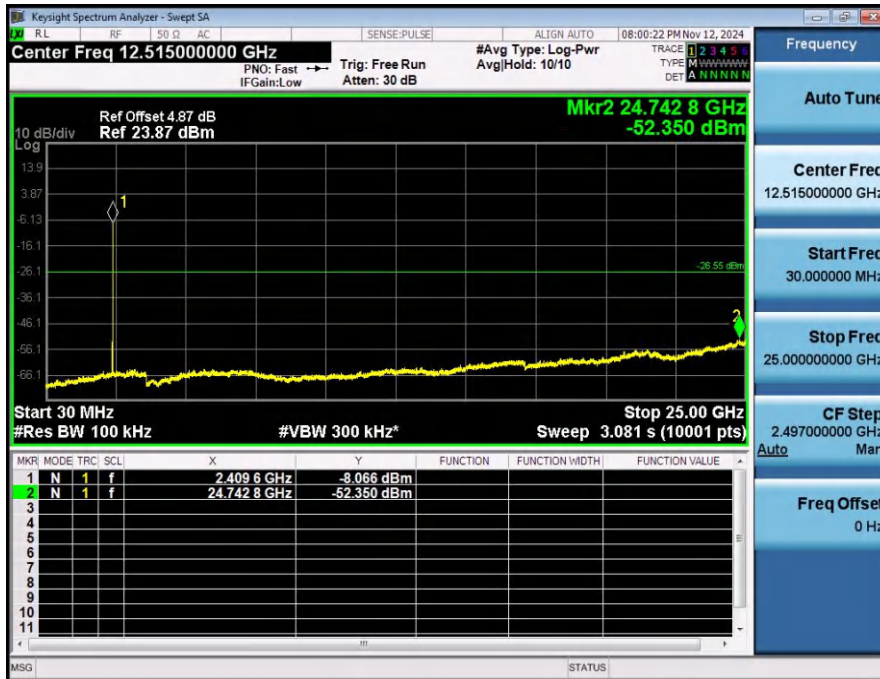
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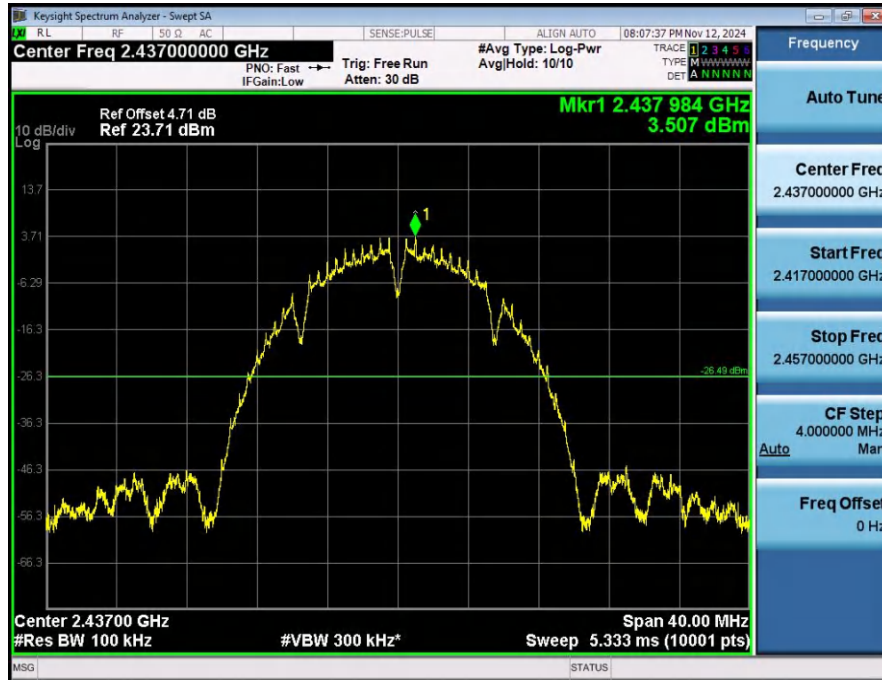
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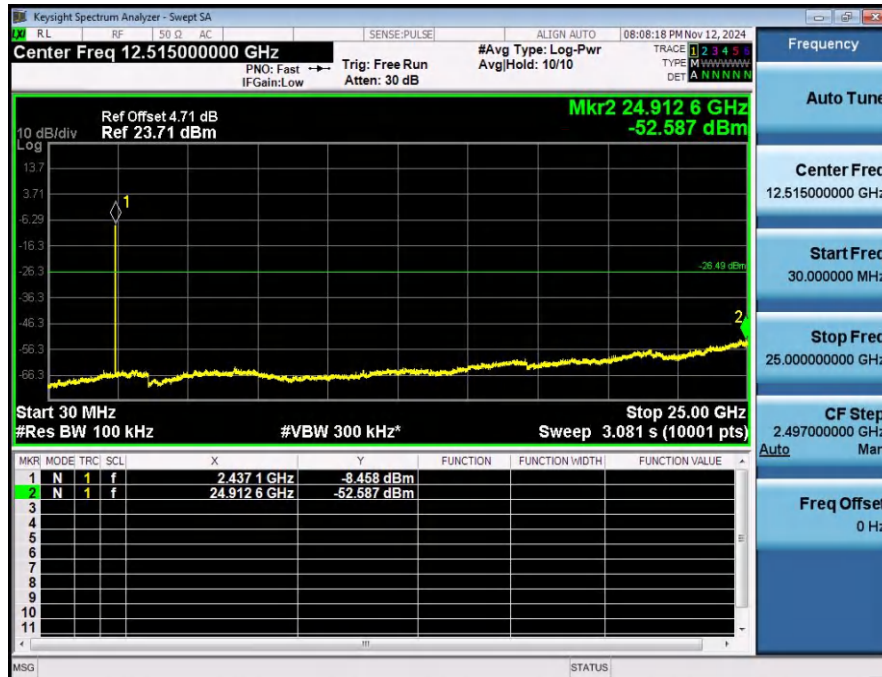
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1_Reference_Level_NVNT_ANT1_802_11b_2437



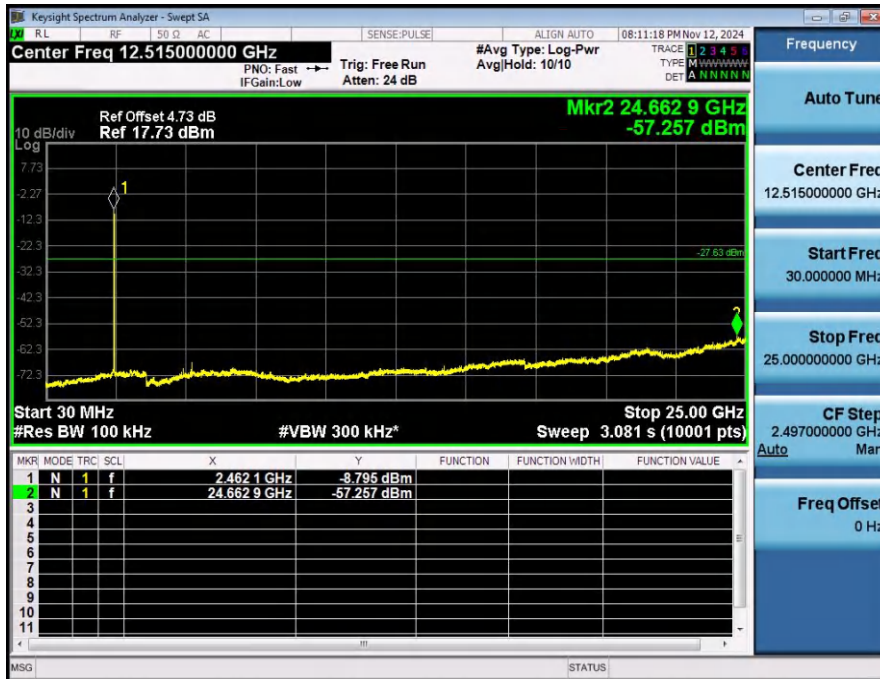
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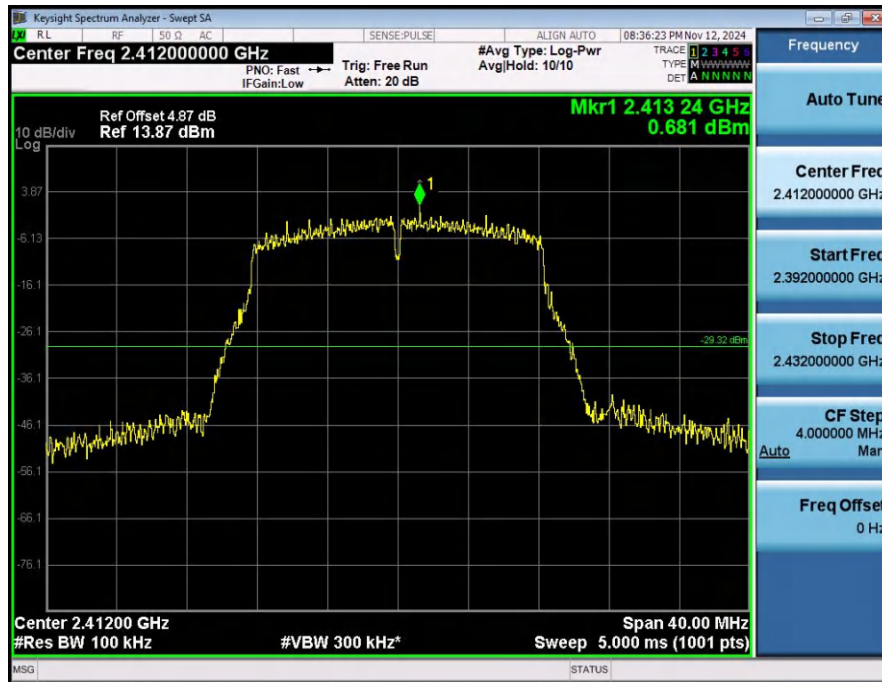
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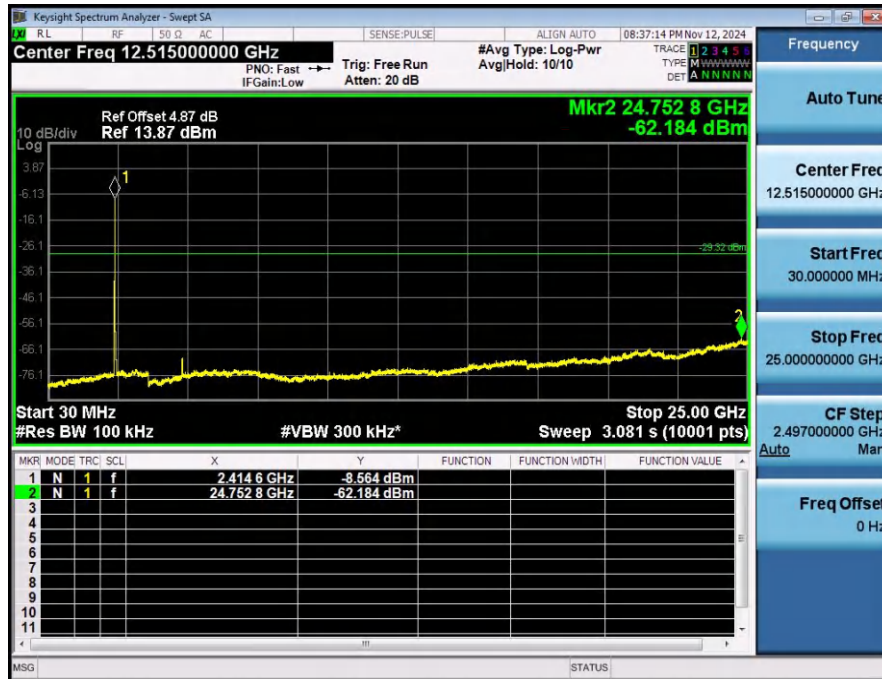
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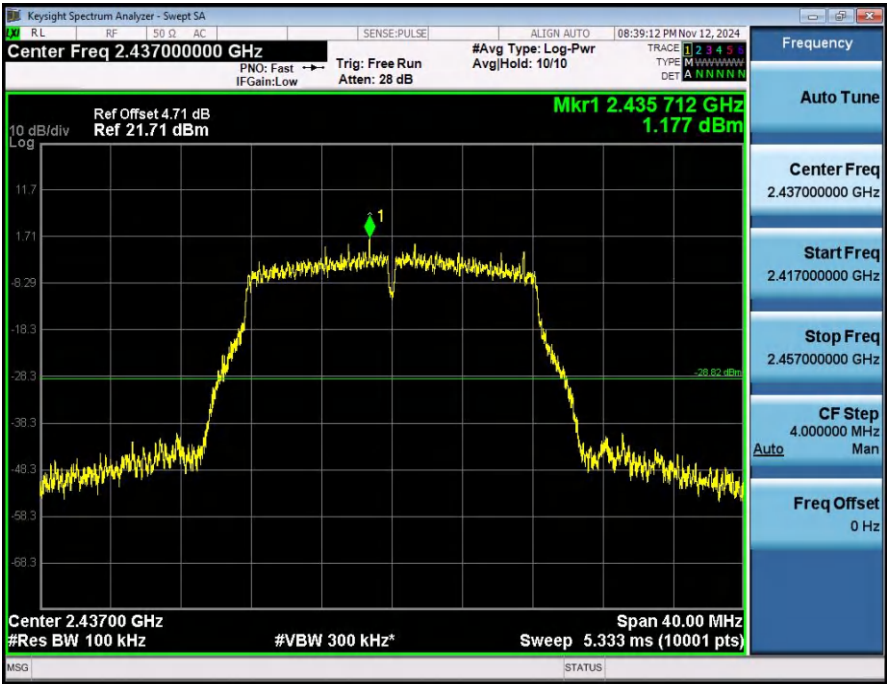
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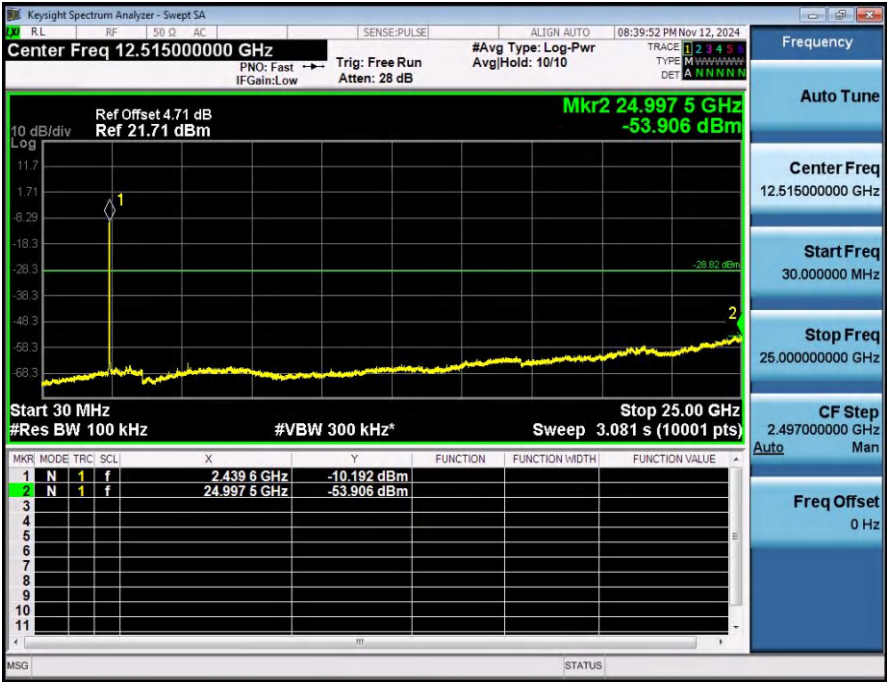
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1_Reference_Level_NVNT_ANT1_802_11g_2437



2_Spurious_Emission_NVNT_ANT1_802_11g_2437



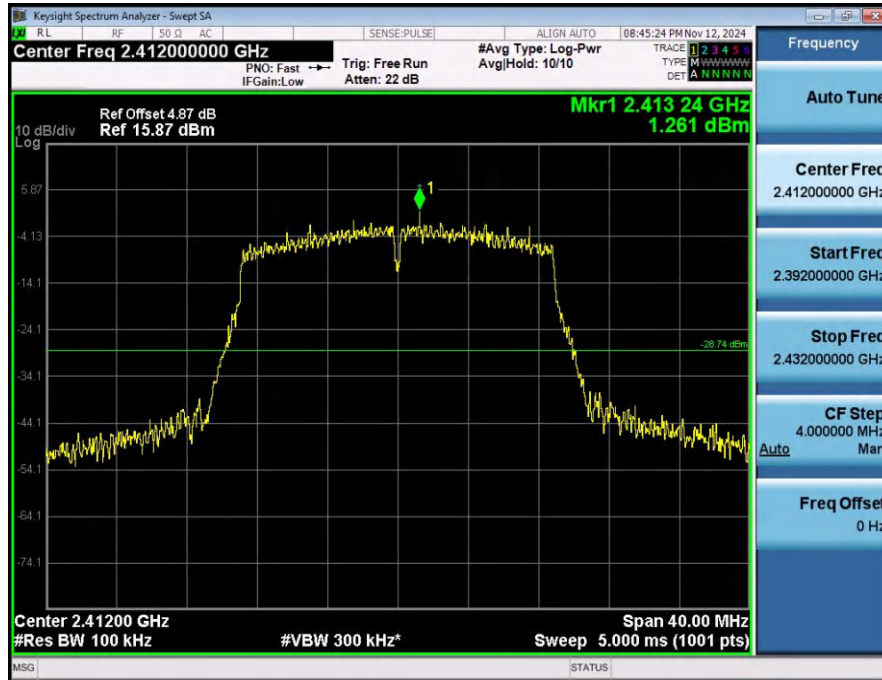
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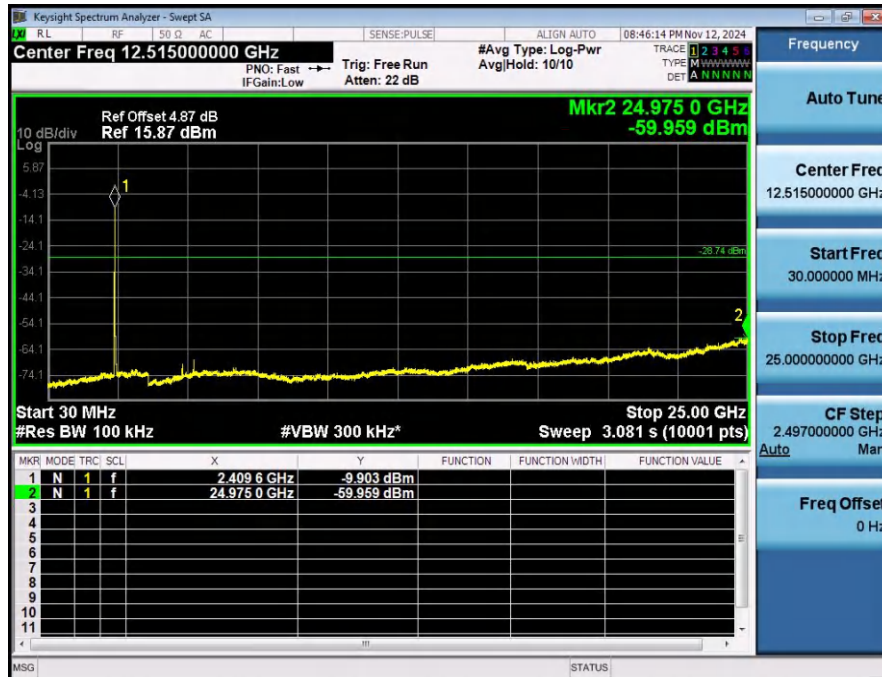
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1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



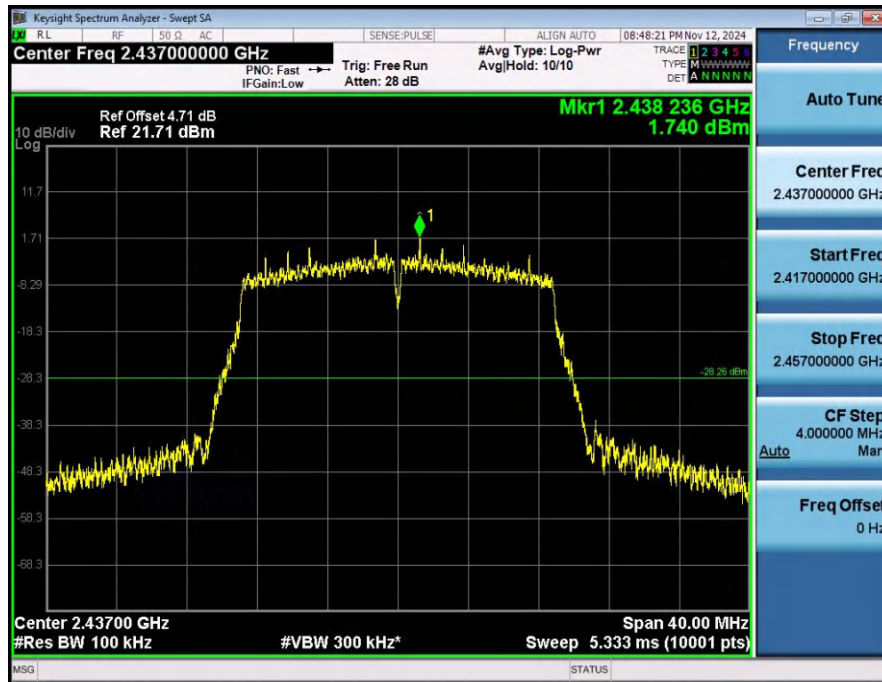
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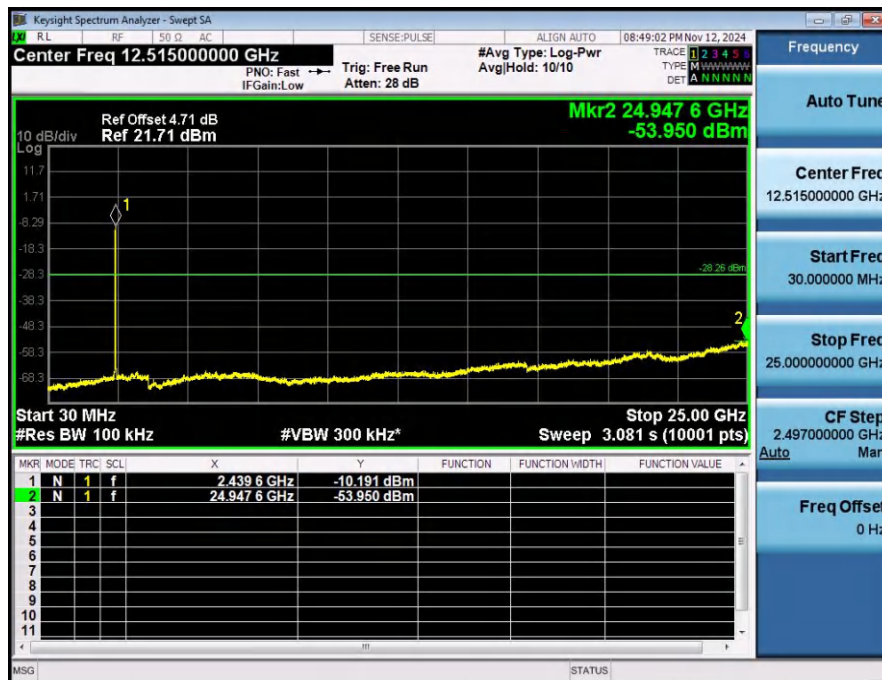
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400-003-0500
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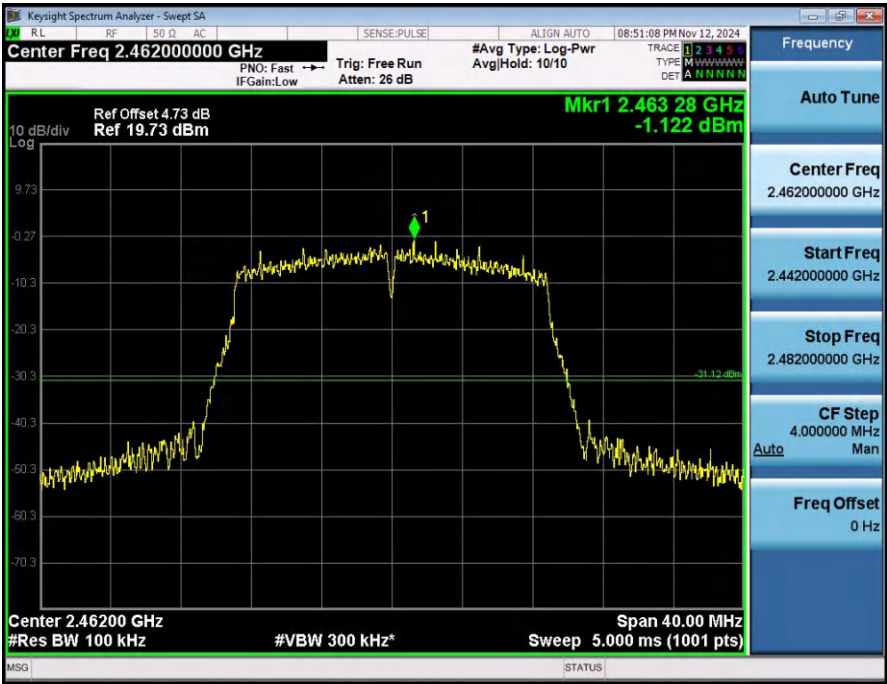
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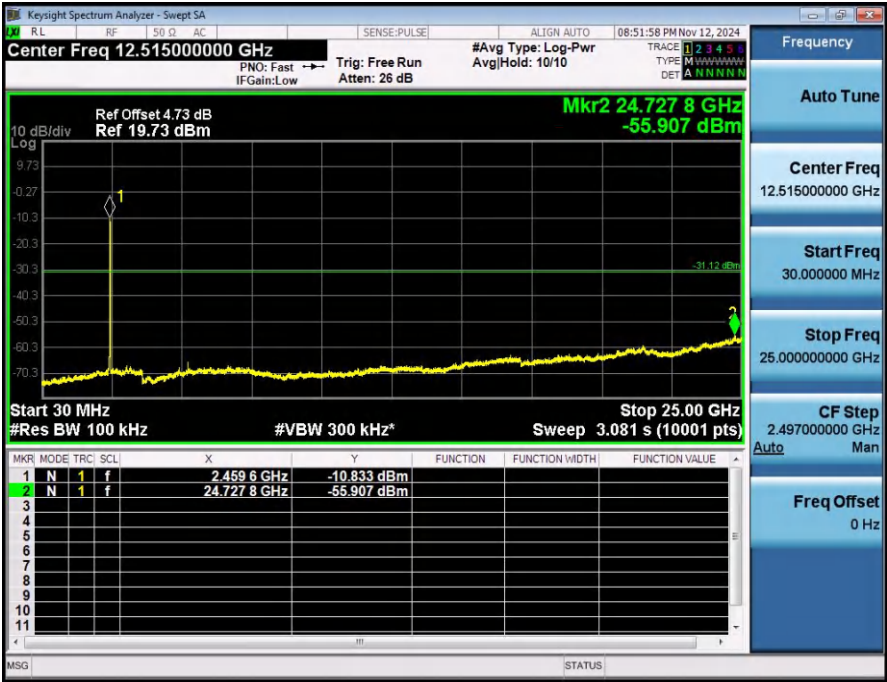
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1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



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