

Appendix Test Data

Report No.:	1812C40132012501	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:	22℃	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: -6dB Bandwidth

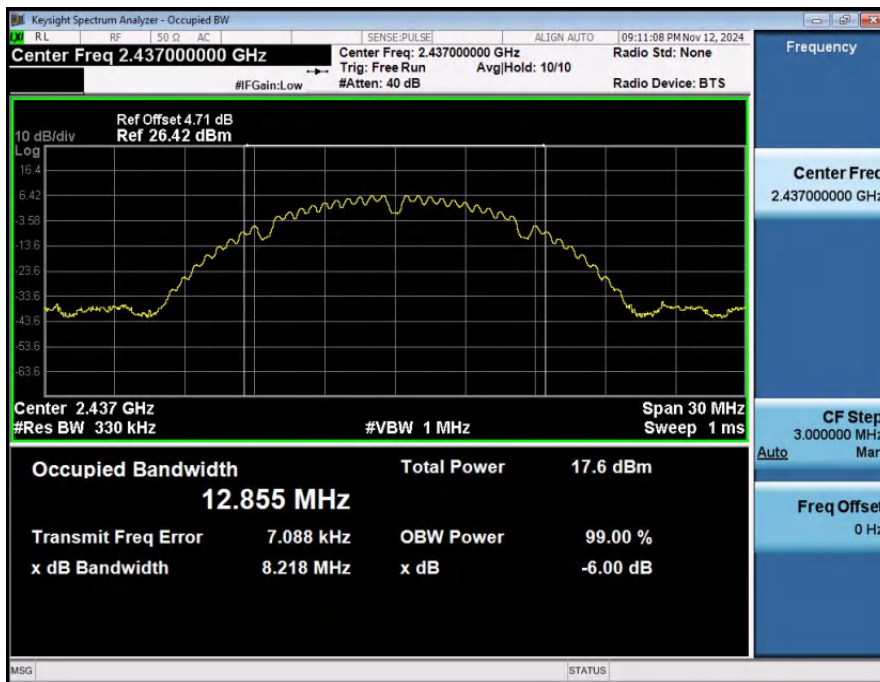
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.15	500	Pass
NVNT	ANT1	802.11b	2437.00	8.22	500	Pass
NVNT	ANT1	802.11b	2462.00	8.21	500	Pass
NVNT	ANT1	802.11g	2412.00	15.76	500	Pass
NVNT	ANT1	802.11g	2437.00	16.14	500	Pass
NVNT	ANT1	802.11g	2462.00	16.04	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.93	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	16.13	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.05	500	Pass



-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



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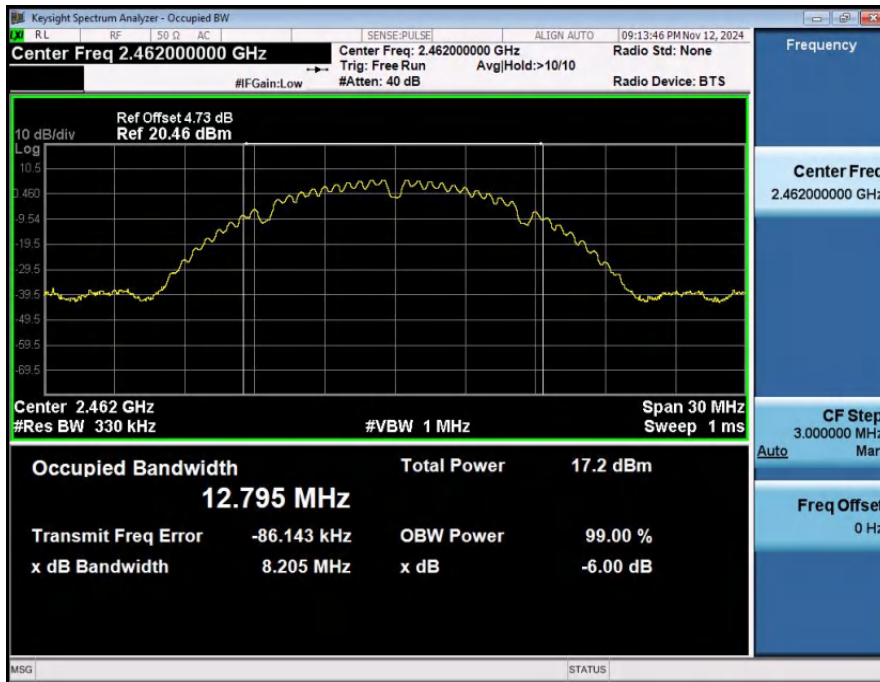
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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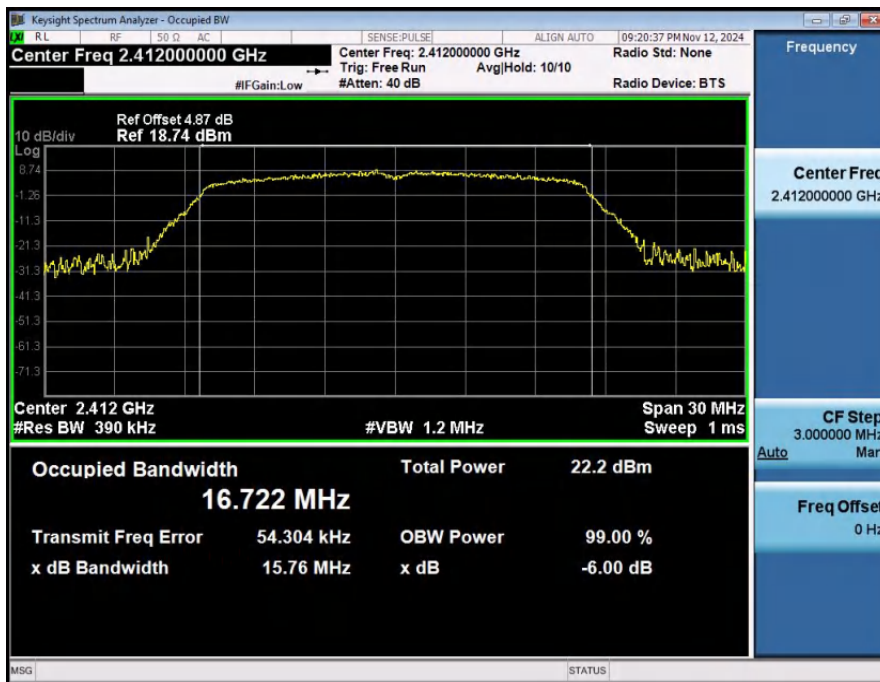
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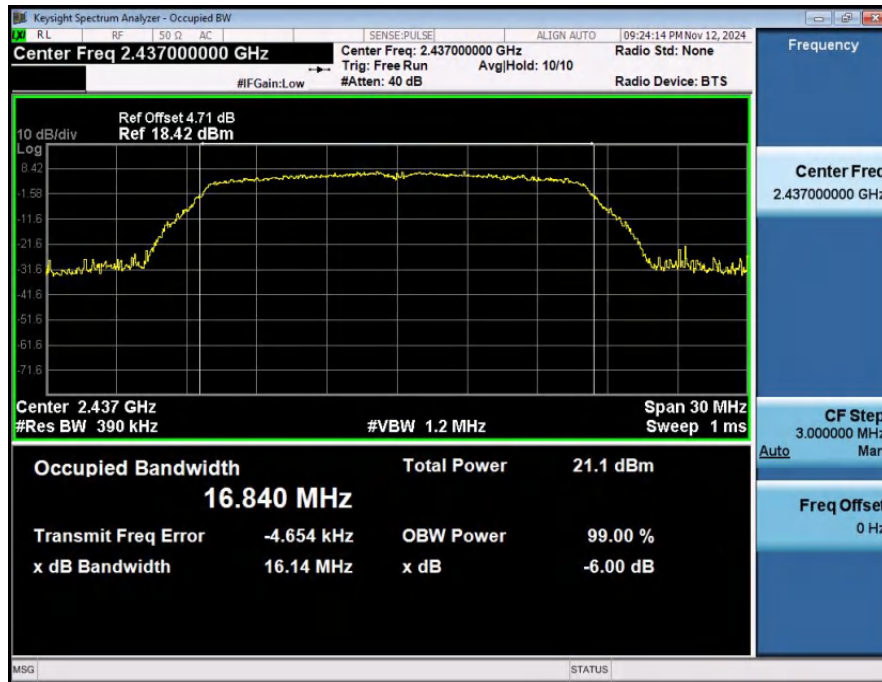
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



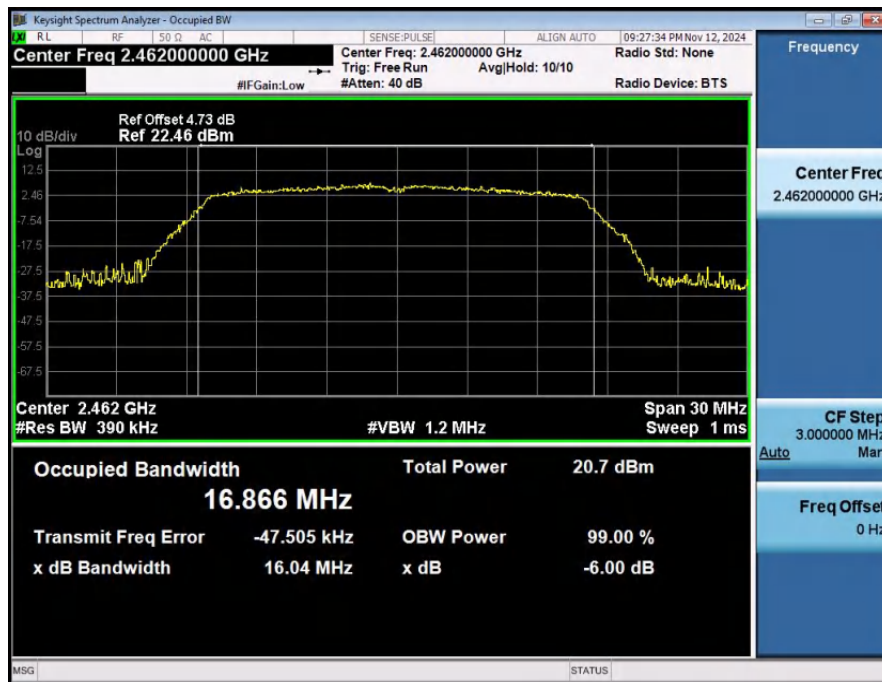
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



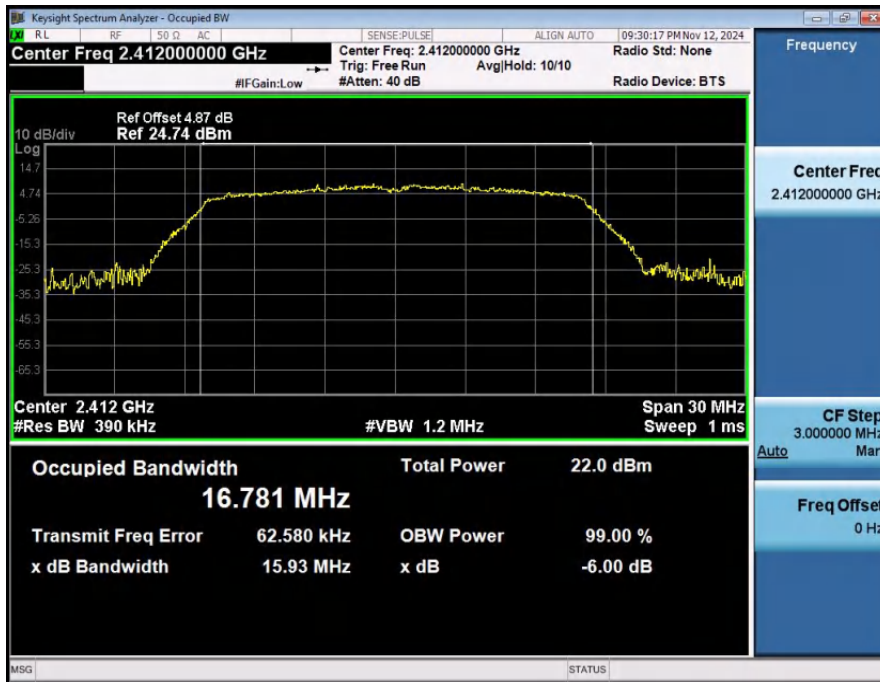
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



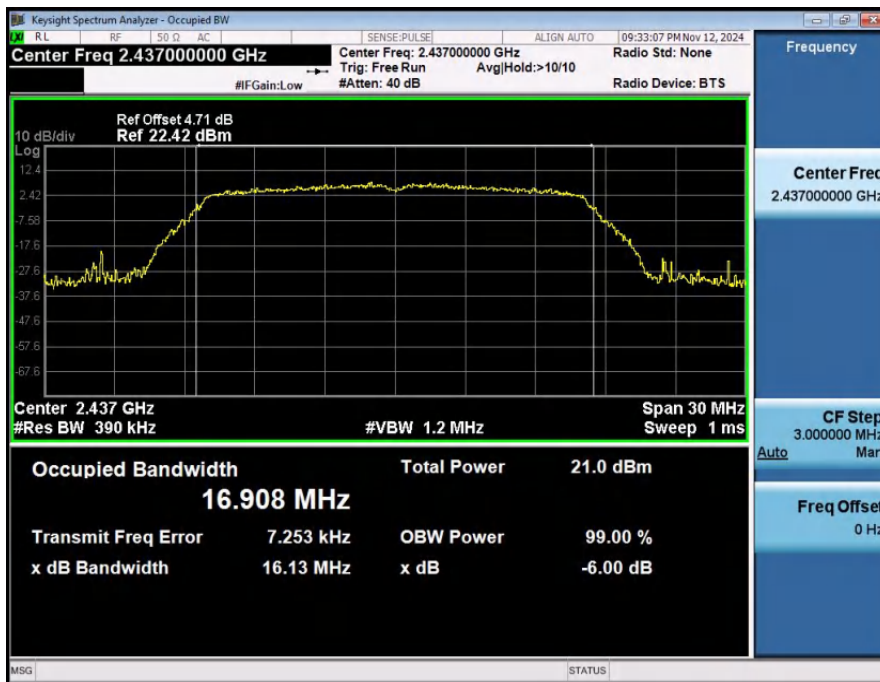
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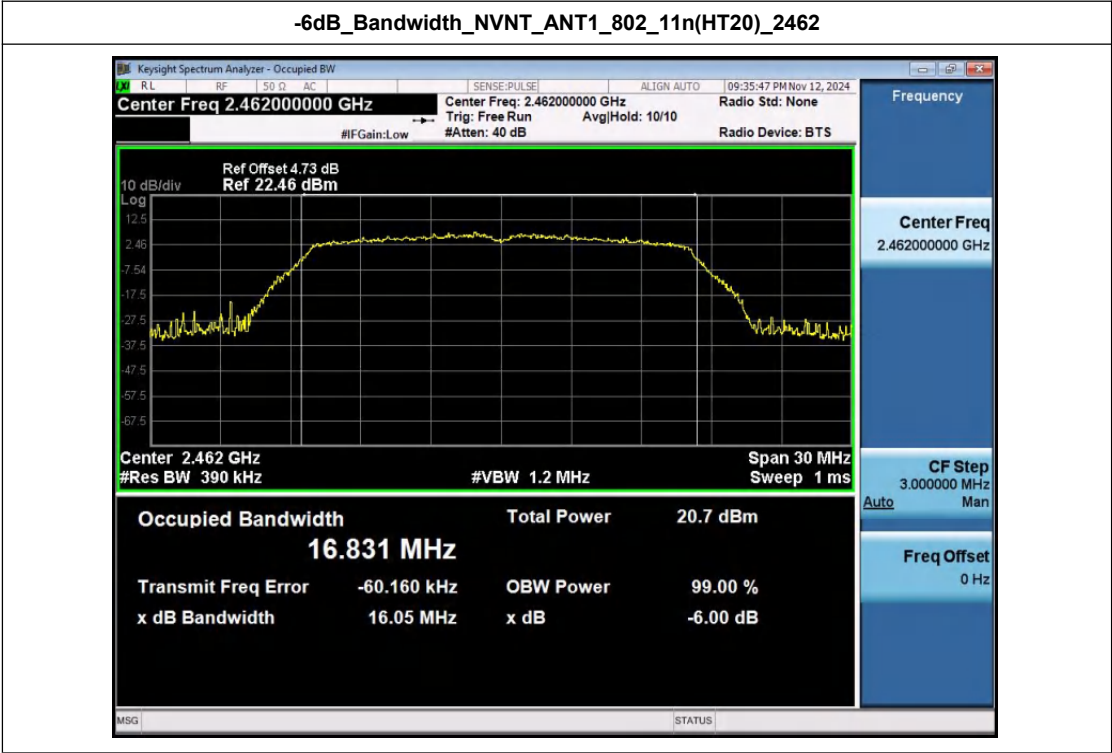


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437





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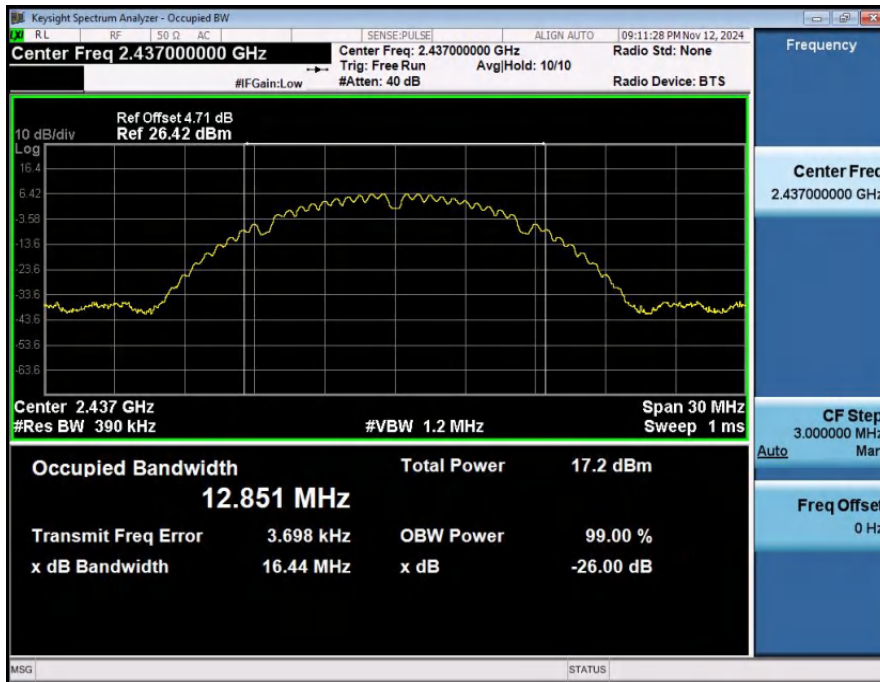
Appendix B: 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.516
NVNT	ANT1	802.11b	2437.00	12.851
NVNT	ANT1	802.11b	2462.00	12.819
NVNT	ANT1	802.11g	2412.00	16.908
NVNT	ANT1	802.11g	2437.00	17.043
NVNT	ANT1	802.11g	2462.00	17.024
NVNT	ANT1	802.11n(HT20)	2412.00	16.952
NVNT	ANT1	802.11n(HT20)	2437.00	17.041
NVNT	ANT1	802.11n(HT20)	2462.00	17.019

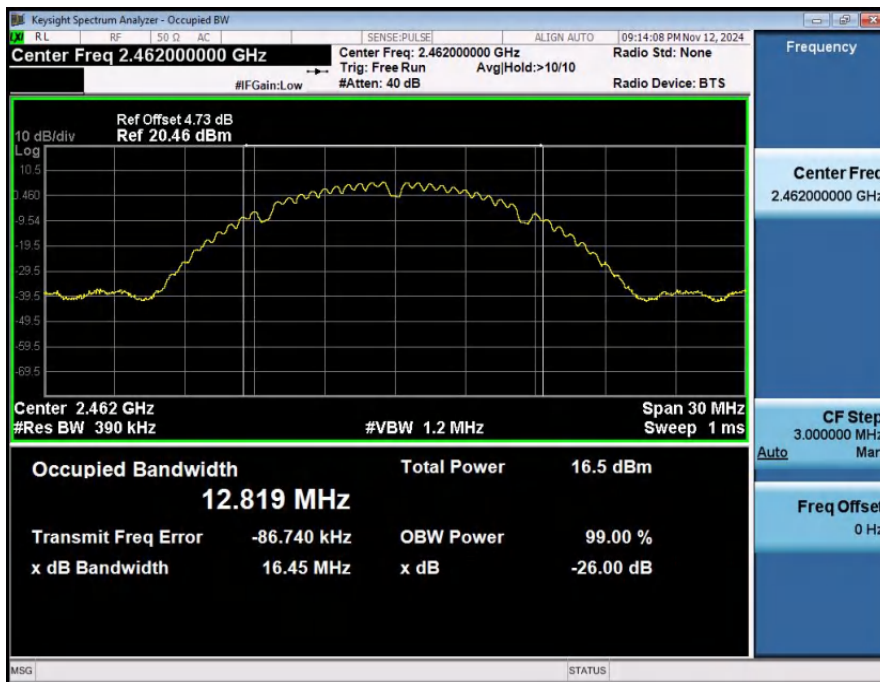
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412



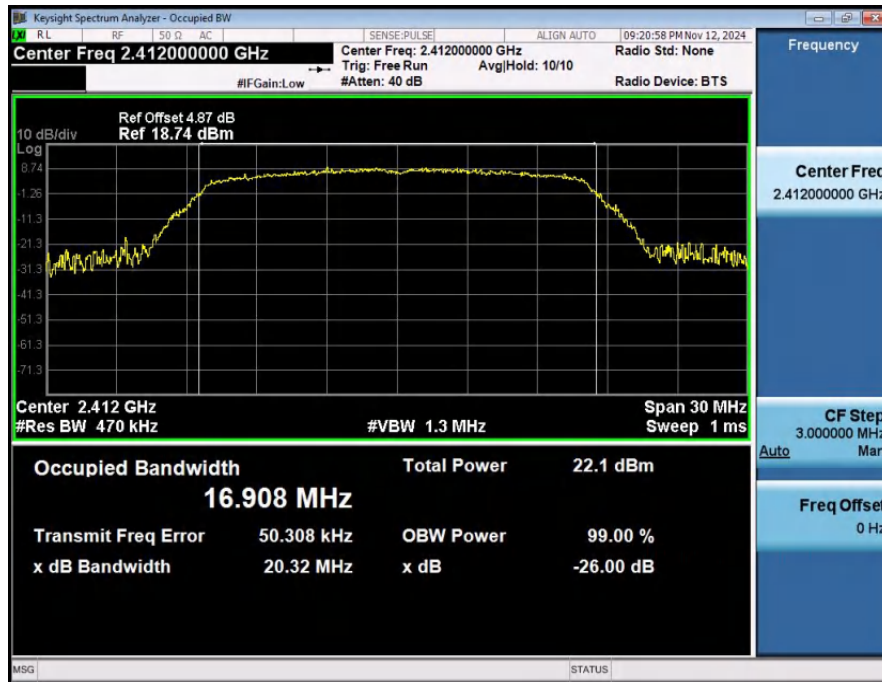
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



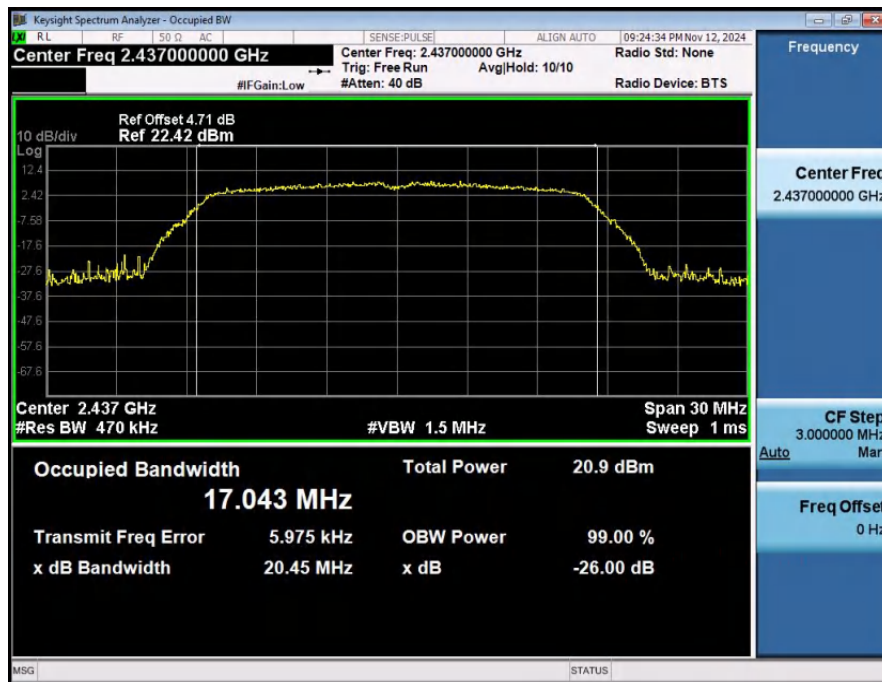
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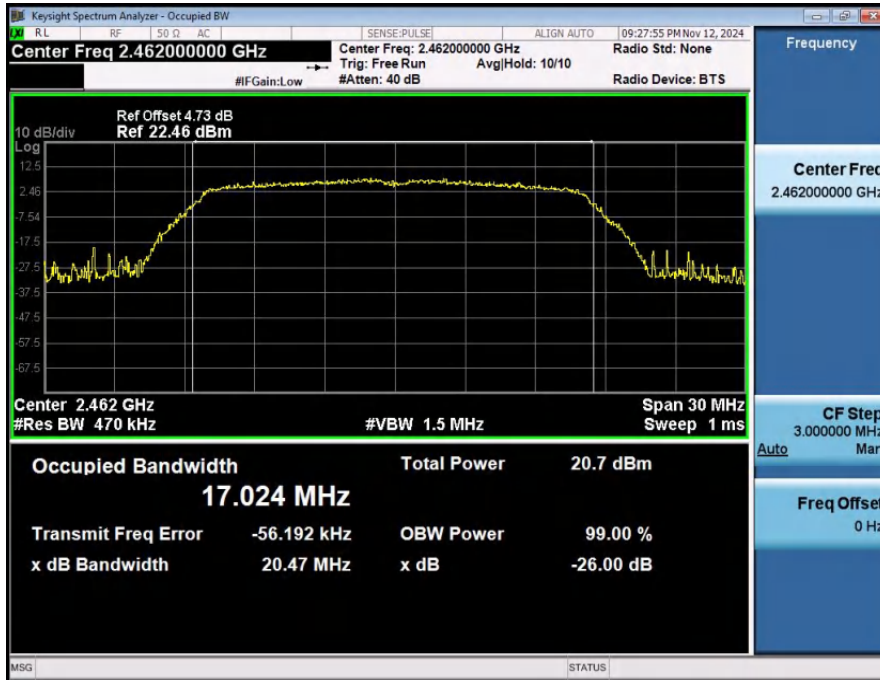
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



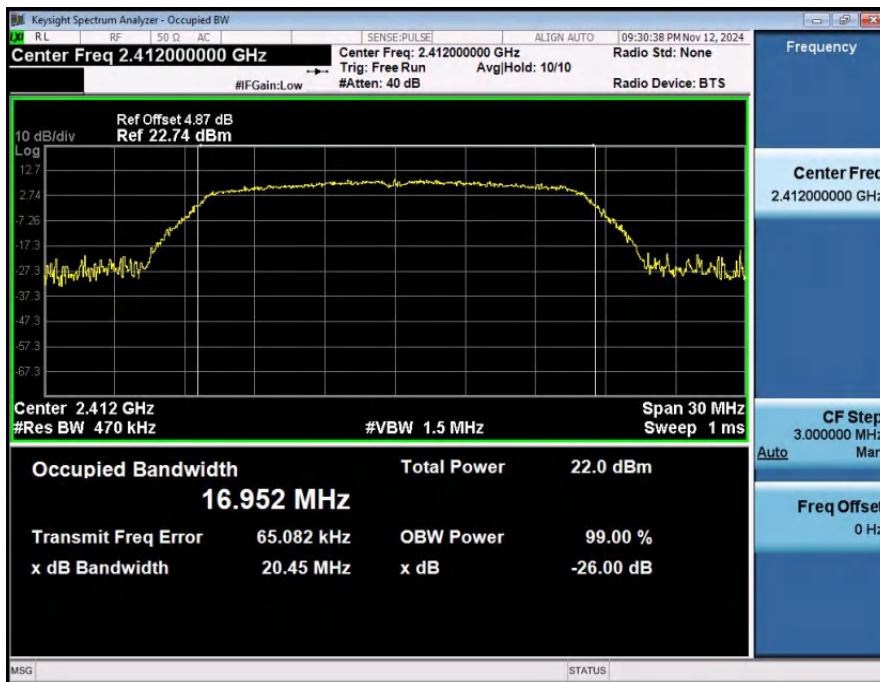
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437

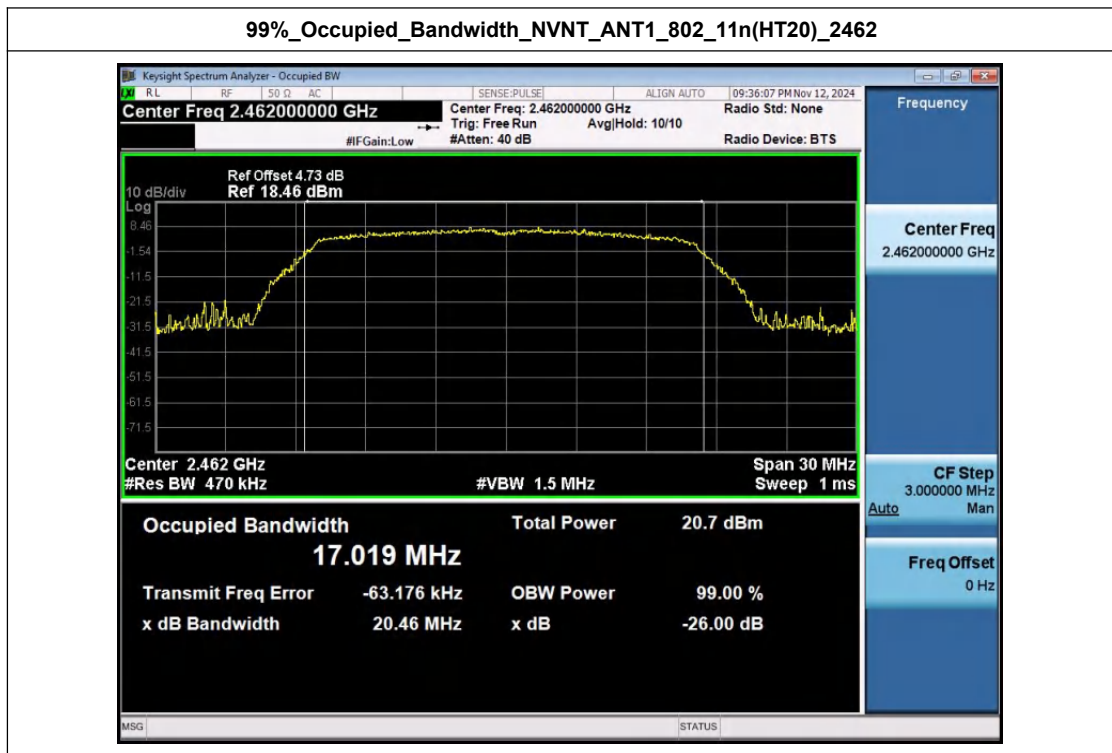
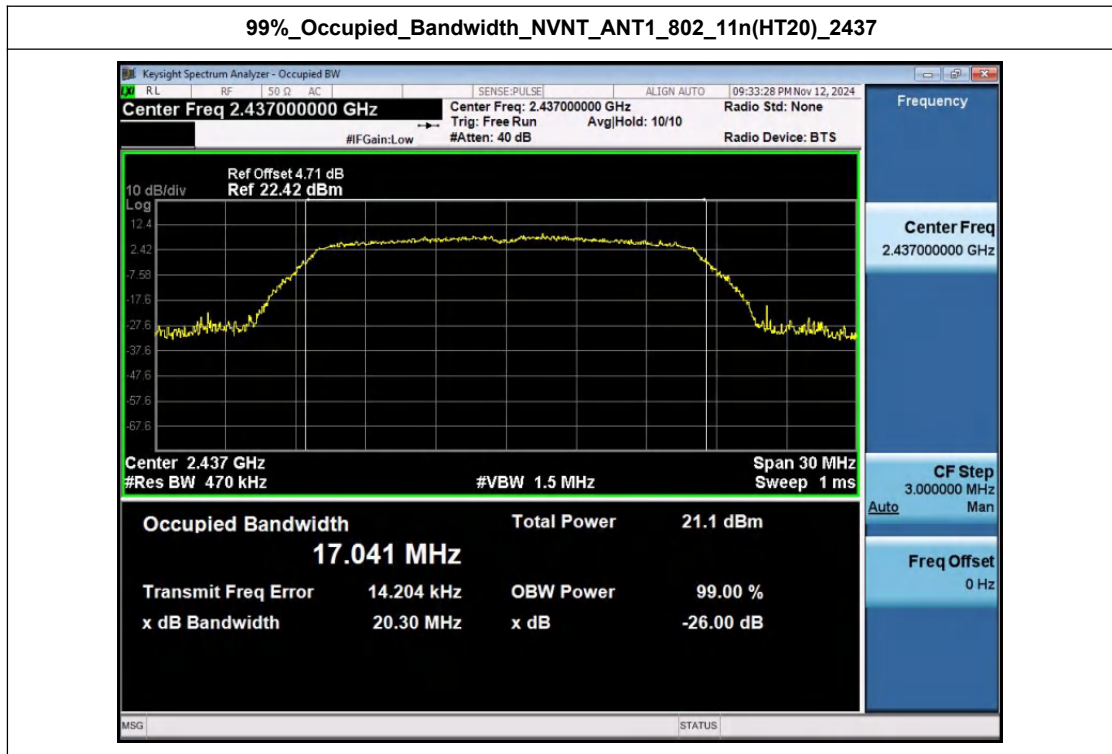


99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412

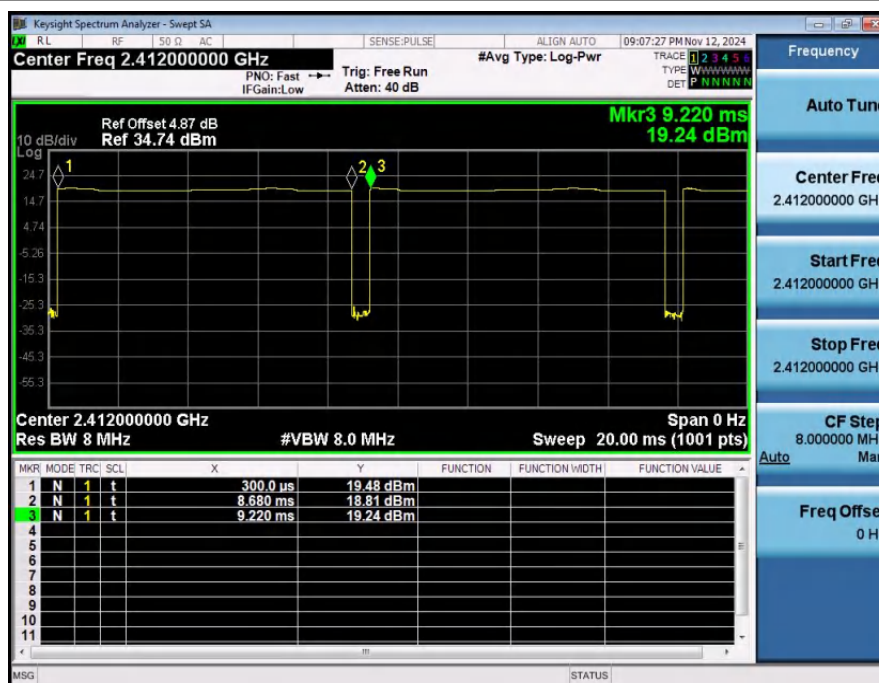




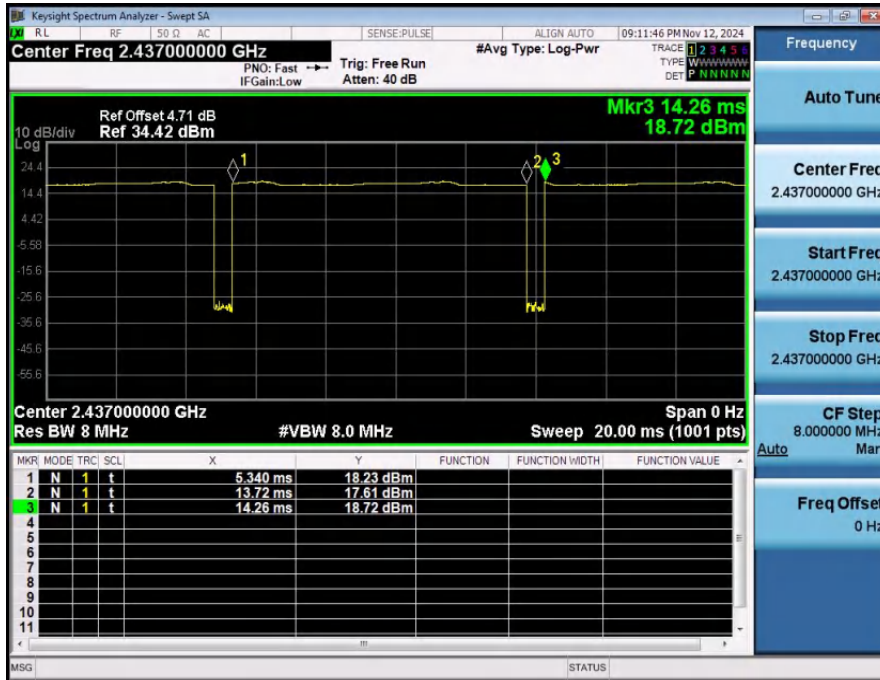
Appendix C: Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	93.95	0.27
NVNT	ANT1	802.11b	2437.00	94.17	0.26
NVNT	ANT1	802.11b	2462.00	93.97	0.27
NVNT	ANT1	802.11g	2412.00	73.20	1.36
NVNT	ANT1	802.11g	2437.00	72.16	1.42
NVNT	ANT1	802.11g	2462.00	74.74	1.26
NVNT	ANT1	802.11n(HT20)	2412.00	72.63	1.39
NVNT	ANT1	802.11n(HT20)	2437.00	73.20	1.36
NVNT	ANT1	802.11n(HT20)	2462.00	72.92	1.37

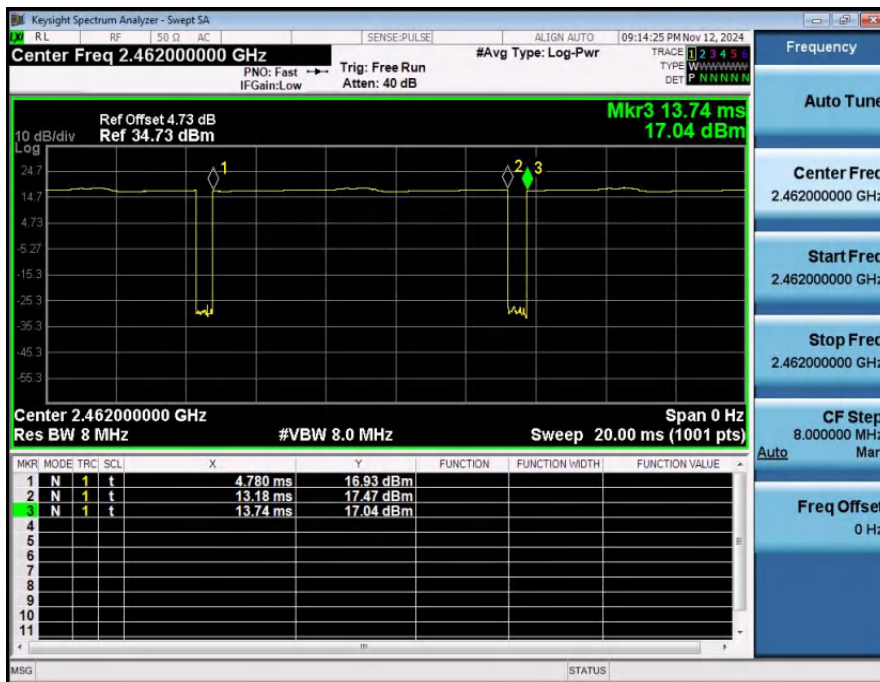
Duty_Cycle_NVNT_ANT1_802_11b_2412



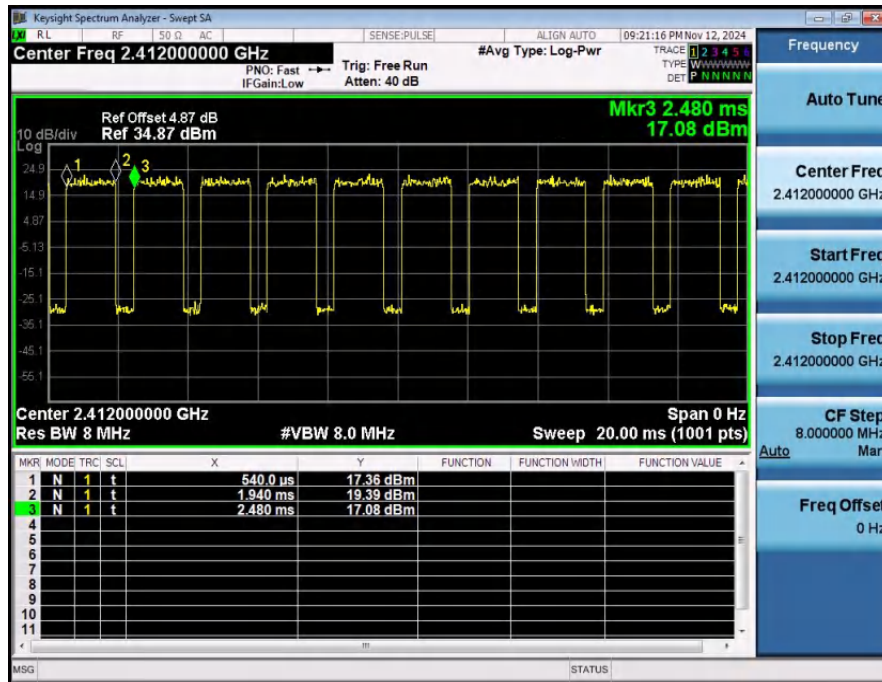
Duty_Cycle_NVNT_ANT1_802_11b_2437



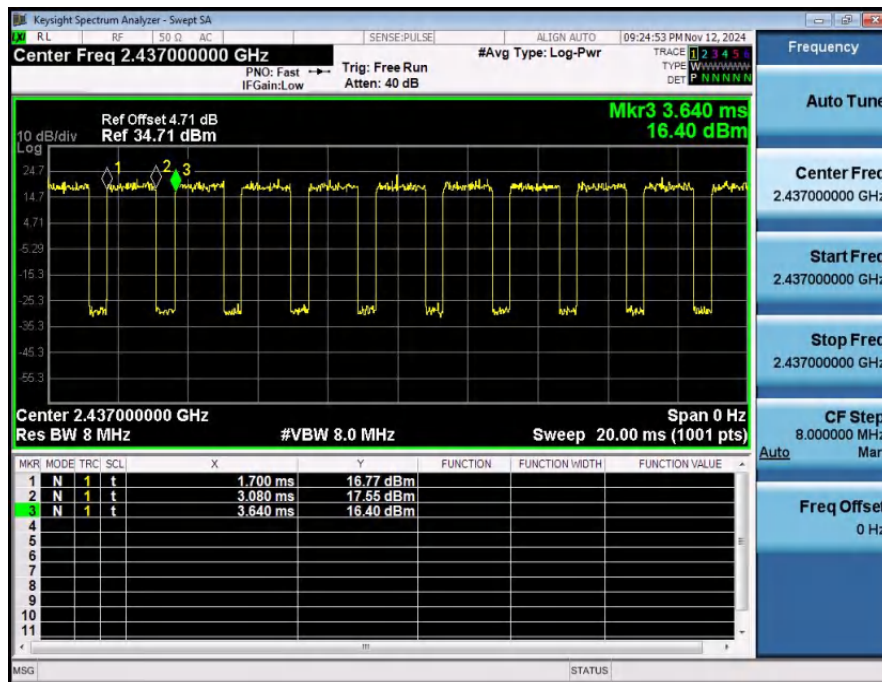
Duty_Cycle_NVNT_ANT1_802_11b_2462



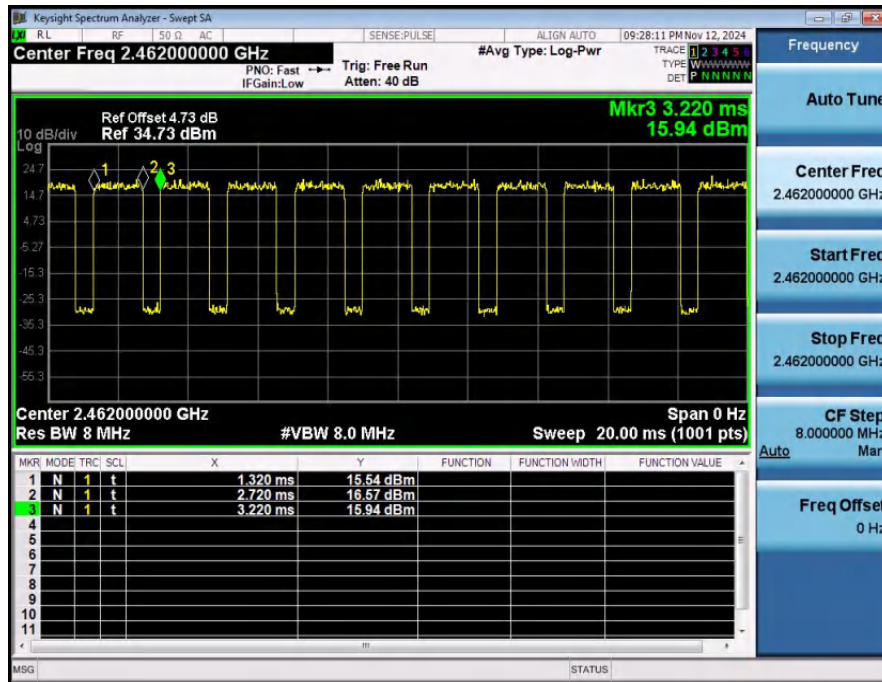
Duty_Cycle_NVNT_ANT1_802_11g_2412



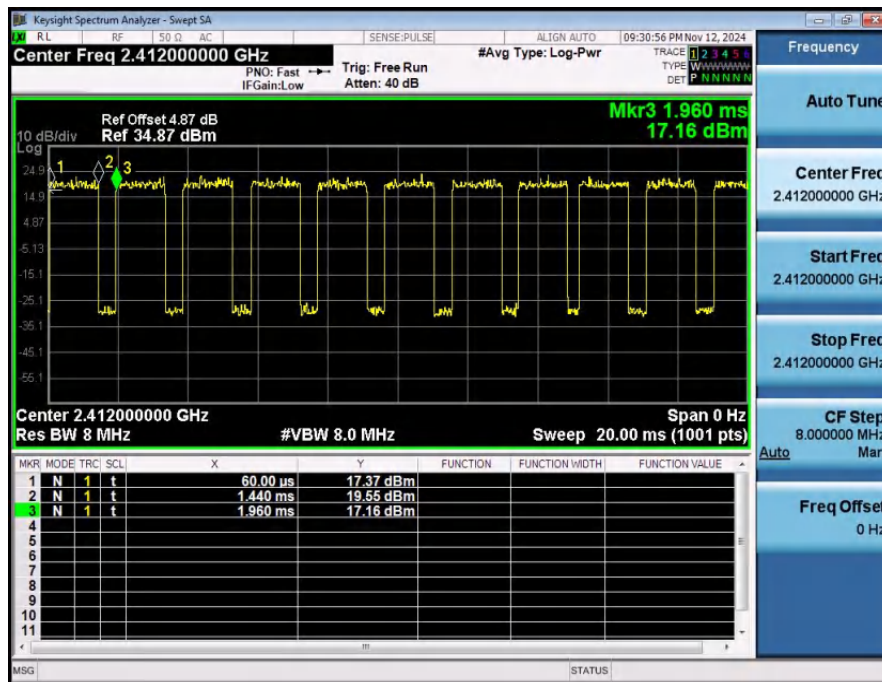
Duty_Cycle_NVNT_ANT1_802_11g_2437



Duty_Cycle_NVNT_ANT1_802_11g_2462



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



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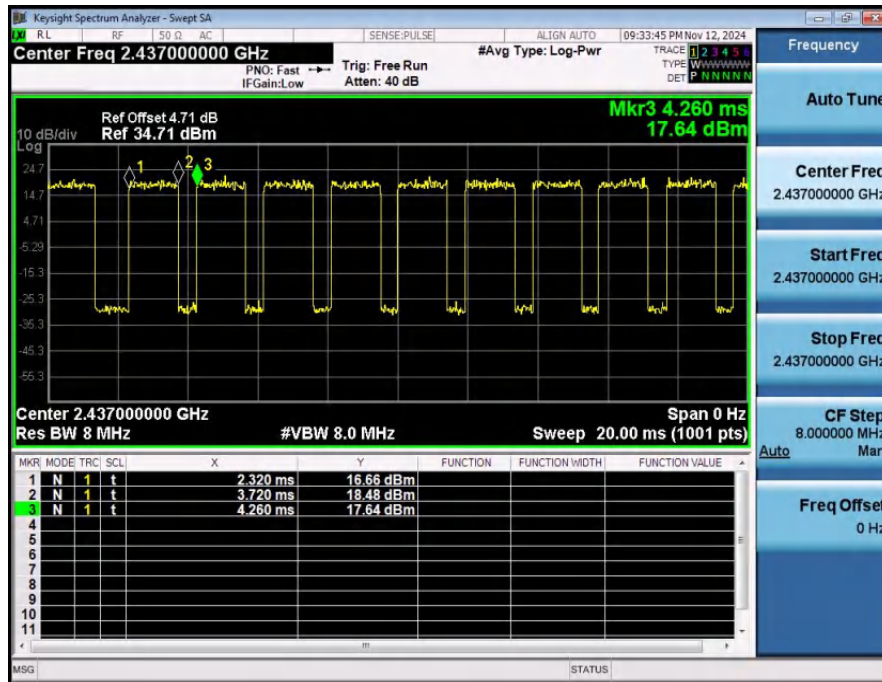
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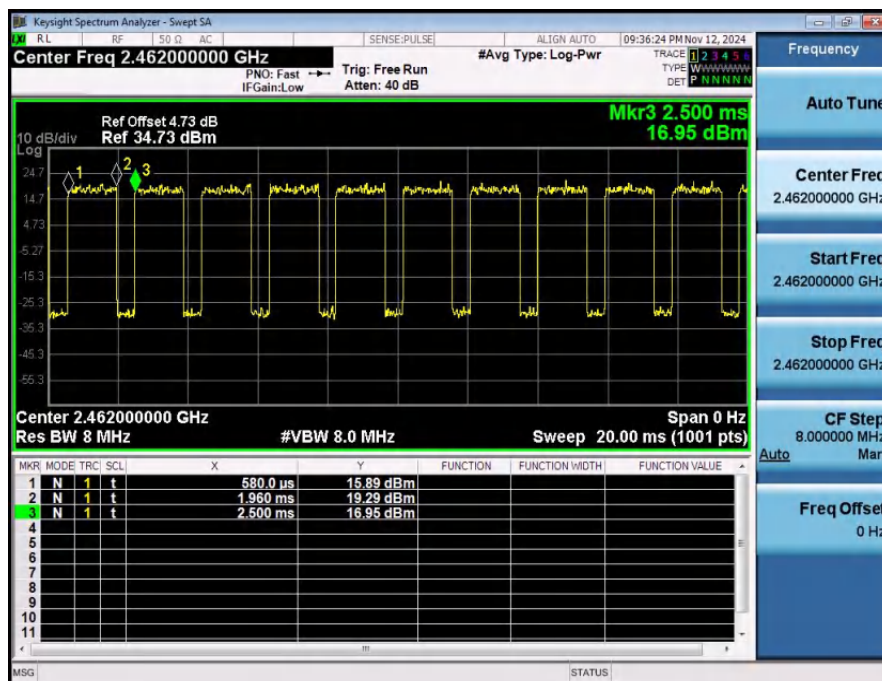
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Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437

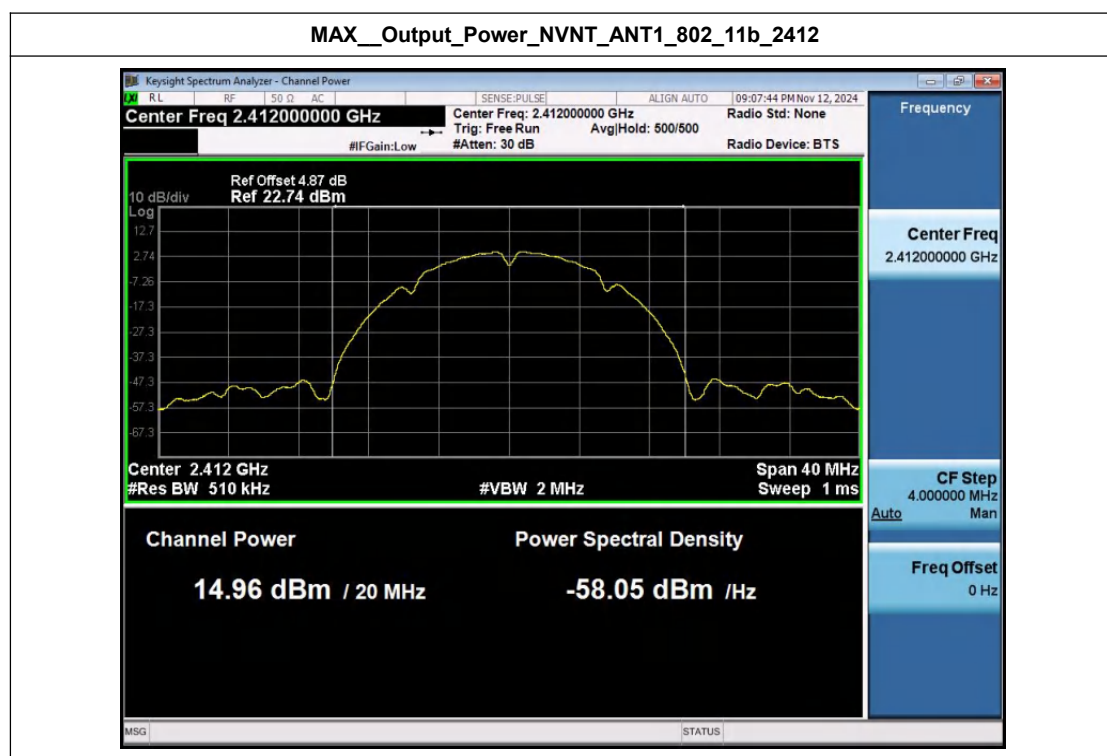


Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462

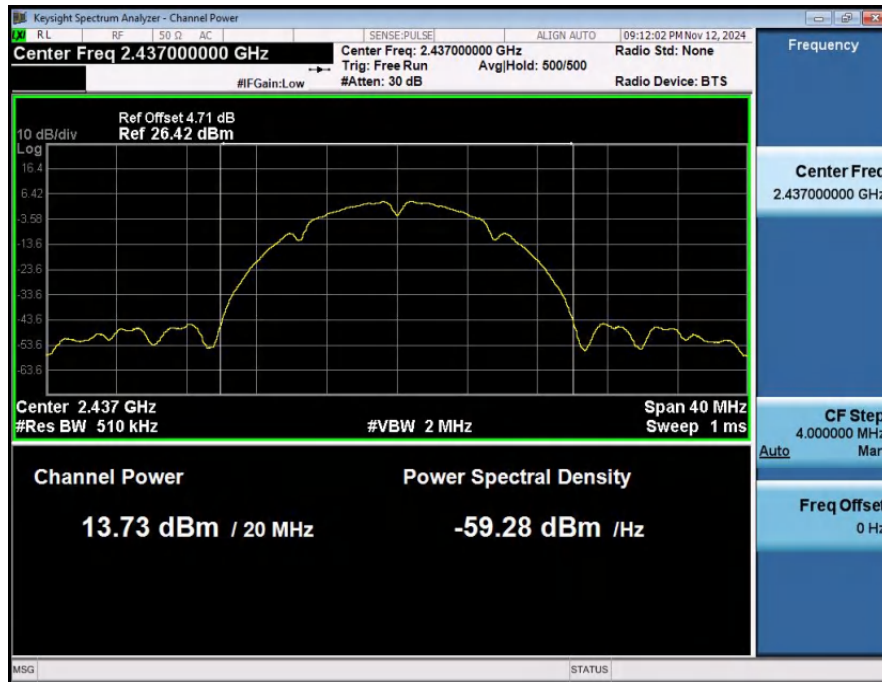


Appendix D: MAX. Output Power

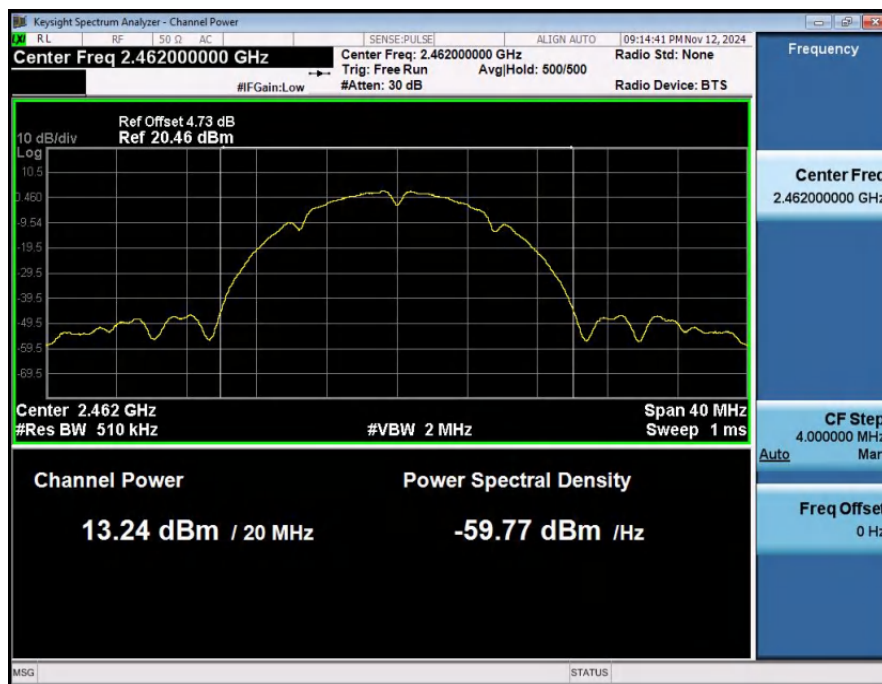
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power (dBm)	Duty factor (dB)	Total Power (dBm)	Limit (dBm)	Result
NVNT	ANT1	802.11b	2412.00	RMS	14.96	0.27	15.23	30	Pass
NVNT	ANT1	802.11b	2437.00	RMS	13.73	0.26	13.99	30	Pass
NVNT	ANT1	802.11b	2462.00	RMS	13.24	0.27	13.51	30	Pass
NVNT	ANT1	802.11g	2412.00	RMS	13.38	1.36	14.74	30	Pass
NVNT	ANT1	802.11g	2437.00	RMS	12.43	1.42	13.85	30	Pass
NVNT	ANT1	802.11g	2462.00	RMS	12.31	1.26	13.57	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	RMS	13.37	1.39	14.76	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	RMS	12.59	1.36	13.95	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	RMS	12.08	1.37	13.45	30	Pass



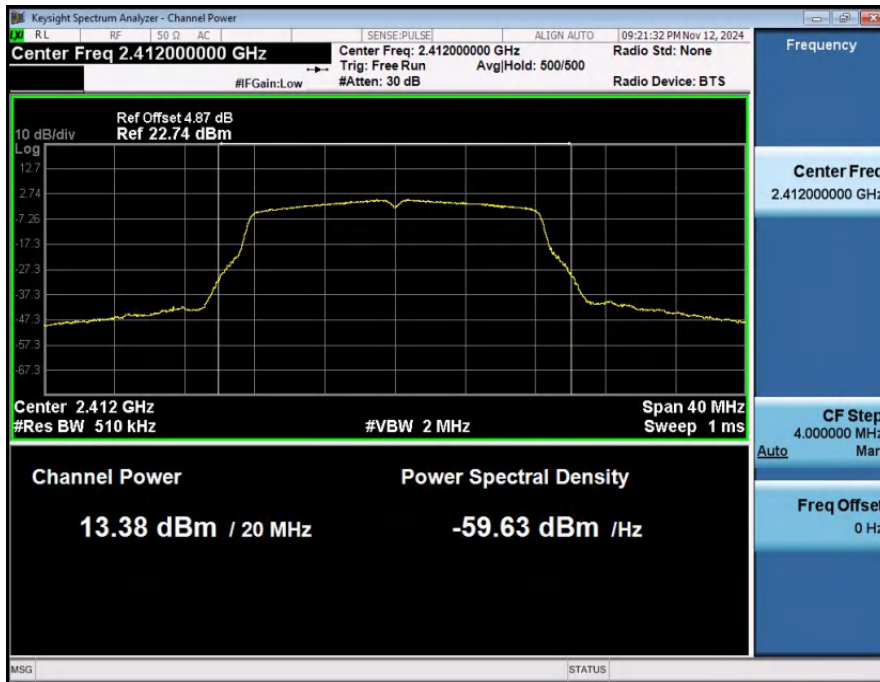
MAX__Output_Power_NVNT_ANT1_802_11b_2437



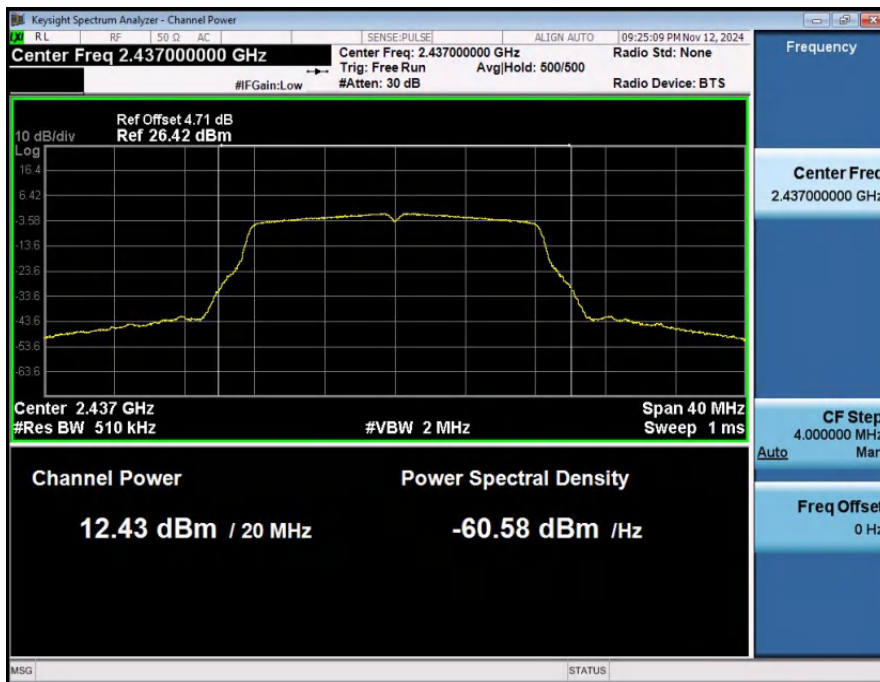
MAX__Output_Power_NVNT_ANT1_802_11b_2462



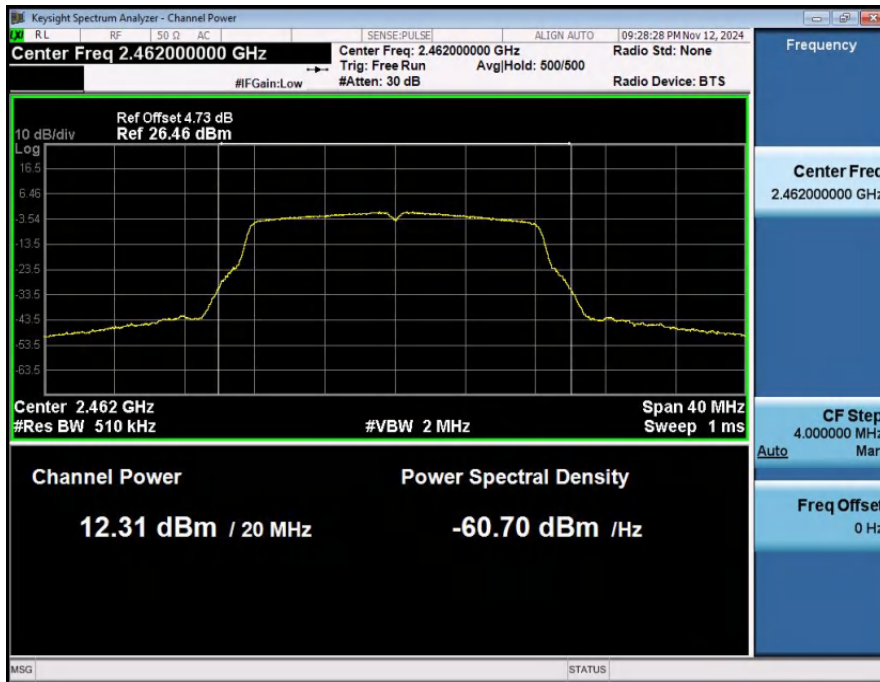
MAX__Output_Power_NVNT_ANT1_802_11g_2412



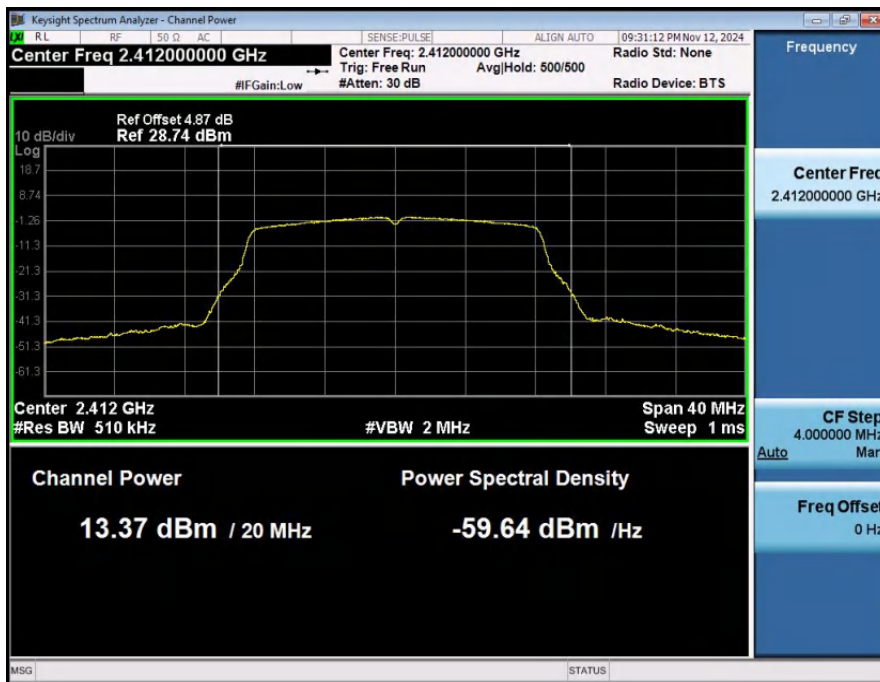
MAX__Output_Power_NVNT_ANT1_802_11g_2437



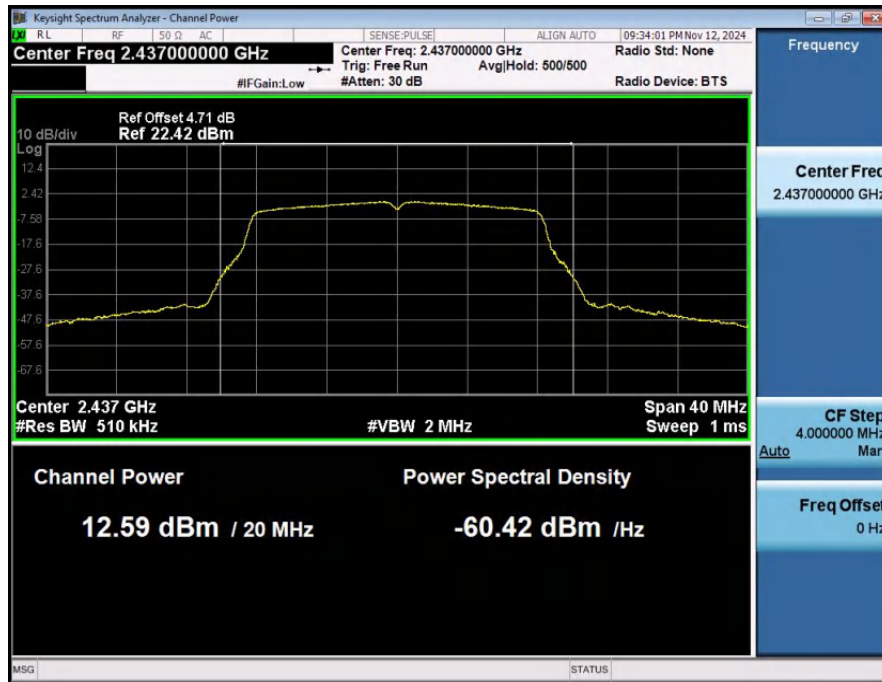
MAX__Output_Power_NVNT_ANT1_802_11g_2462



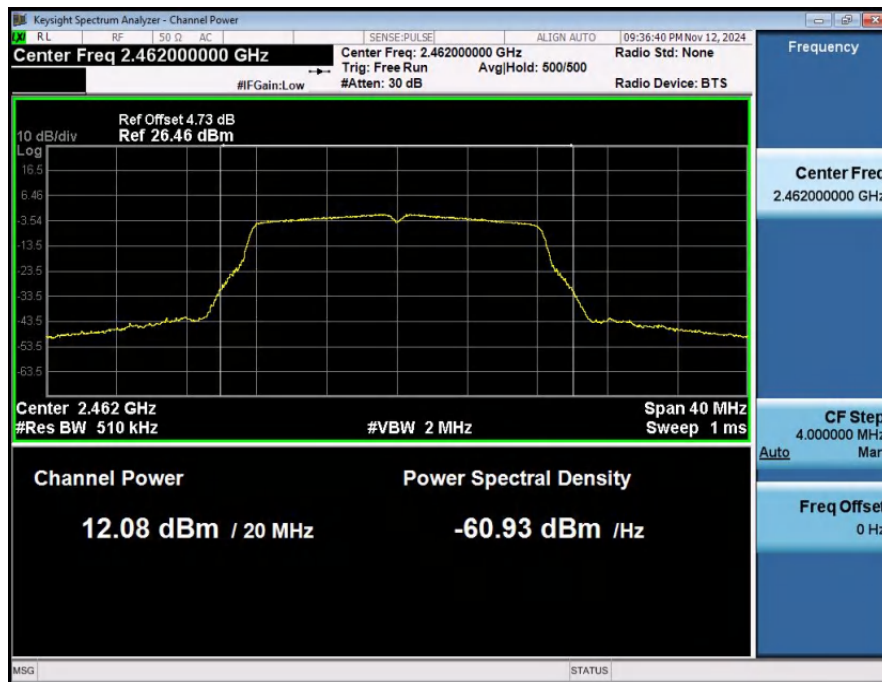
MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2412



MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2437

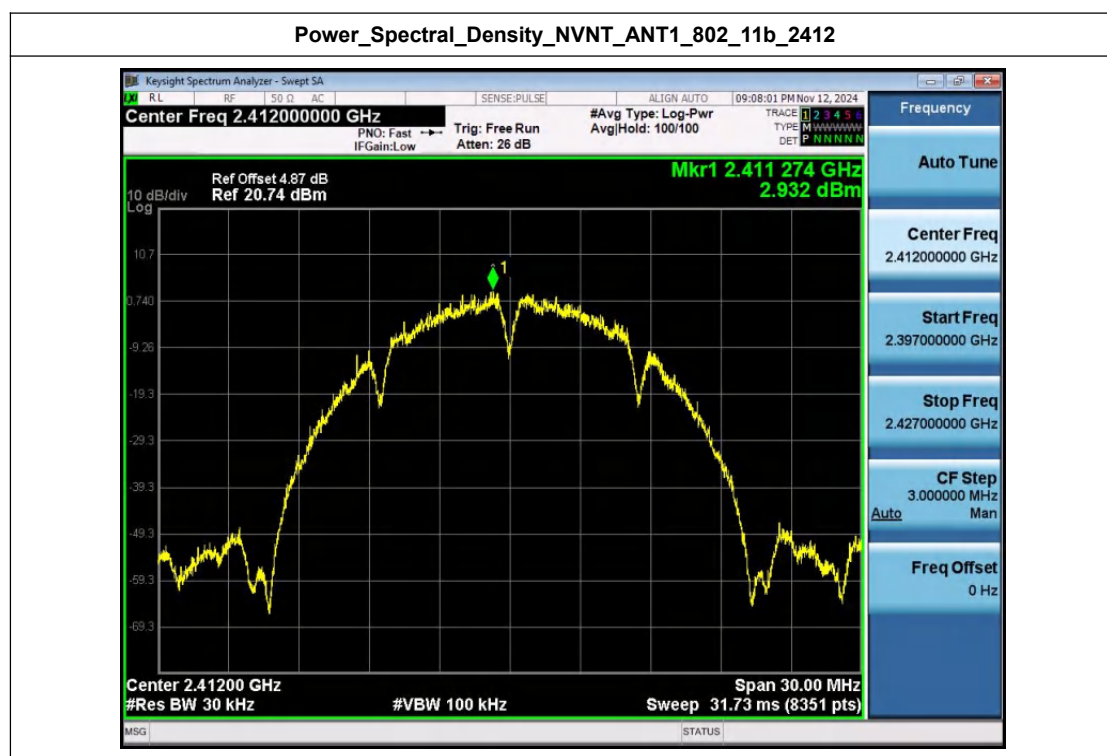


MAX__Output_Power_NVNT_ANT1_802_11n(HT20)_2462



Appendix E: Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD (dBm/30kHz)	Duty factor (dB)	RB factor (dB)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	2.93	0.27	-10.00	-6.8	8	Pass
NVNT	ANT1	802.11b	2437.00	2.79	0.26	-10.00	-6.95	8	Pass
NVNT	ANT1	802.11b	2462.00	1.86	0.27	-10.00	-7.87	8	Pass
NVNT	ANT1	802.11g	2412.00	0.97	1.36	-10.00	-7.67	8	Pass
NVNT	ANT1	802.11g	2437.00	-1.80	1.42	-10.00	-10.38	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.49	1.26	-10.00	-10.23	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	0.41	1.39	-10.00	-8.2	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-1.15	1.36	-10.00	-9.79	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-1.73	1.37	-10.00	-10.36	8	Pass



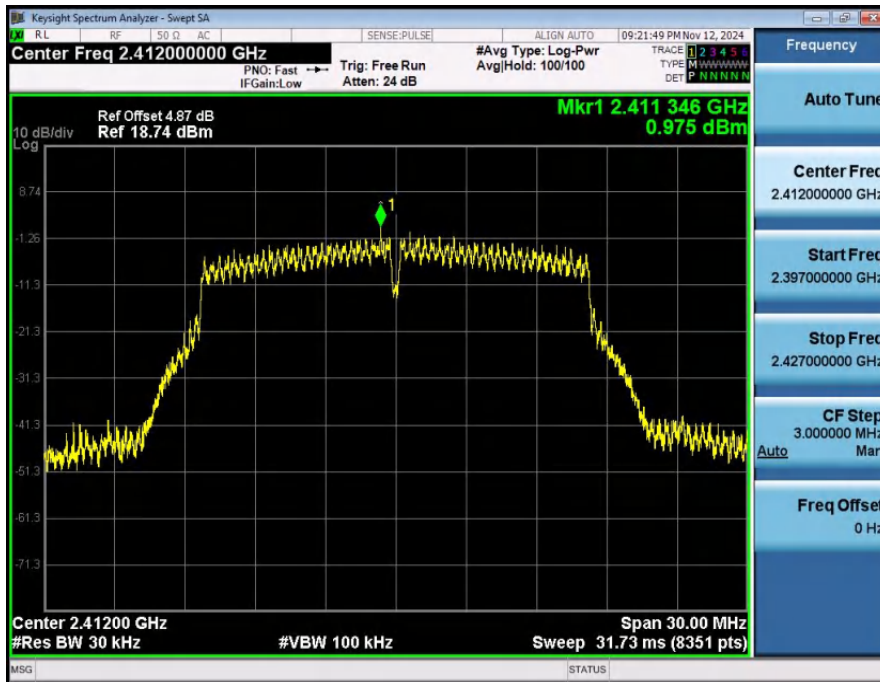
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



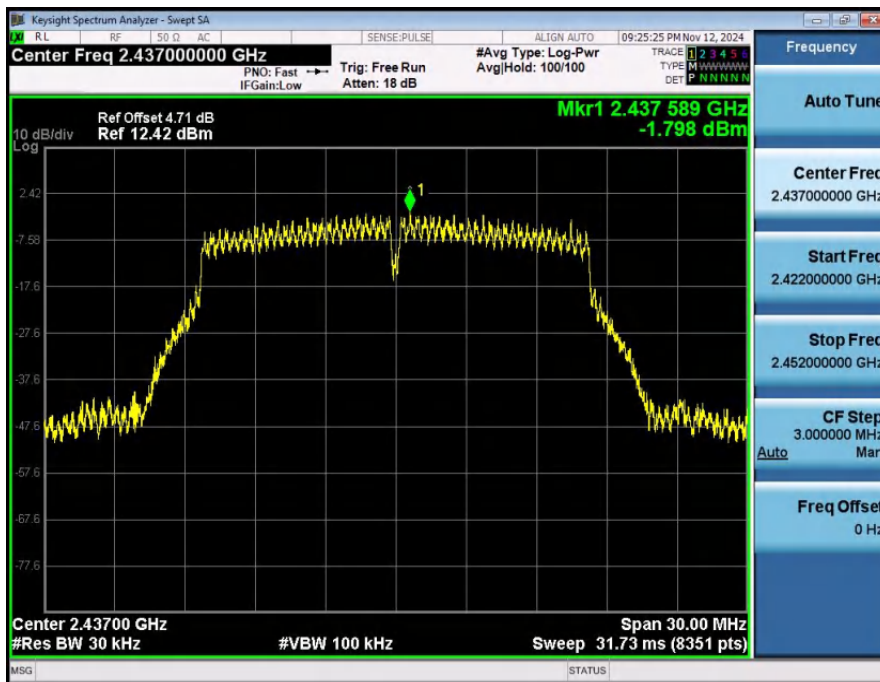
Power_Spectral_Density_NVNT_ANT1_802_11b_2462



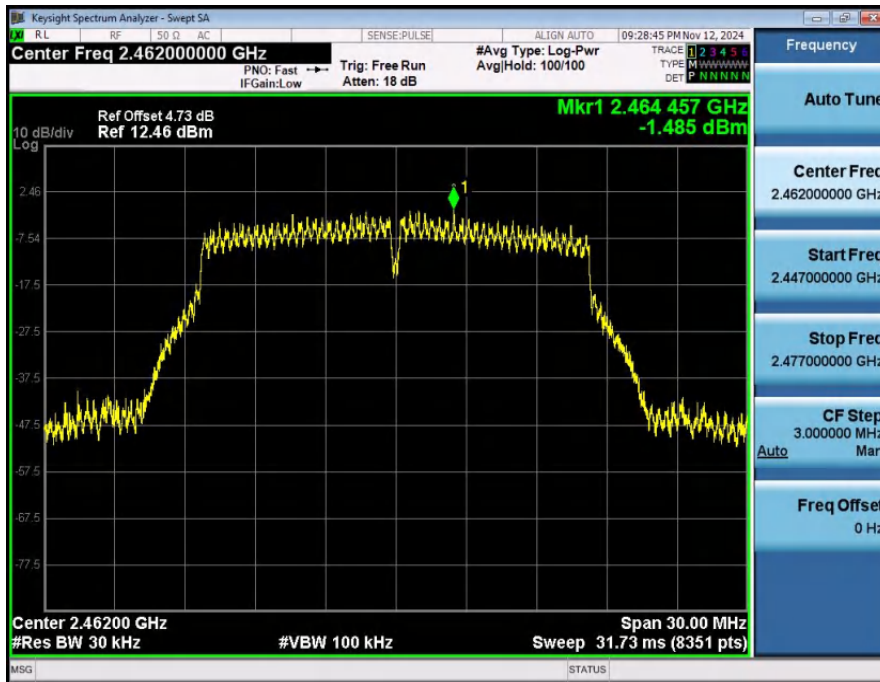
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



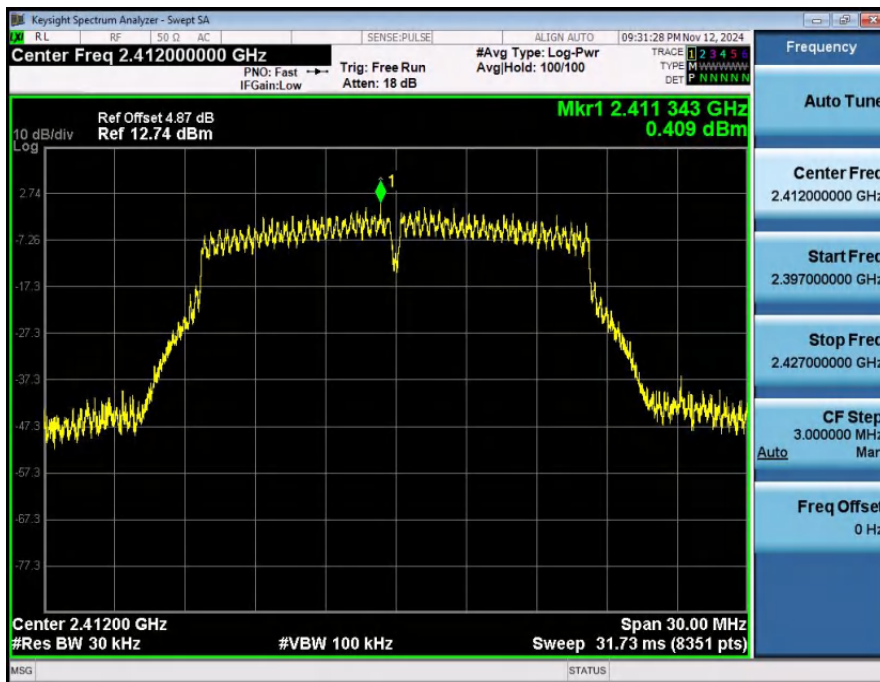
Power_Spectral_Density_NVNT_ANT1_802_11g_2437



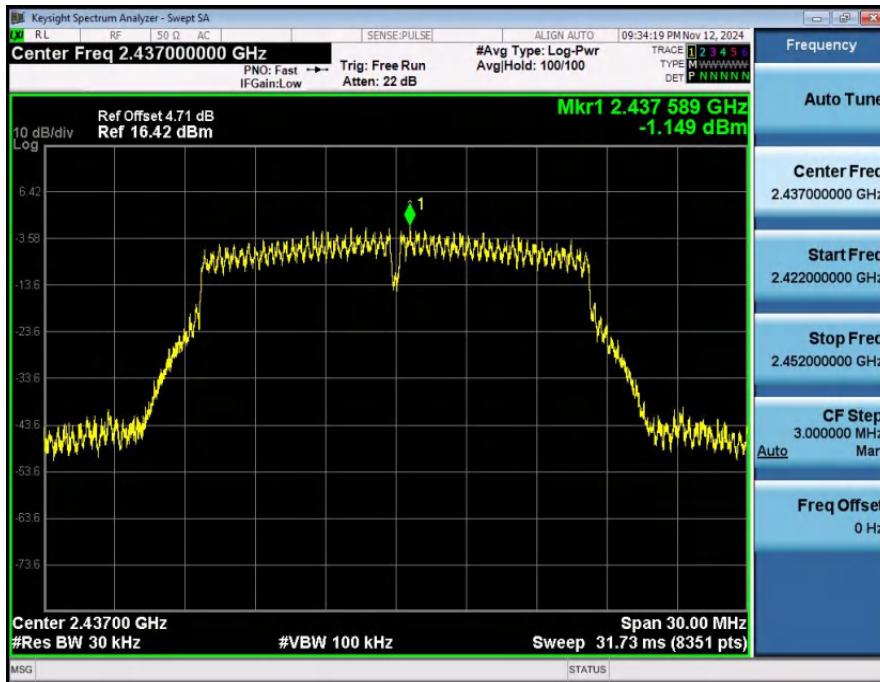
Power_Spectral_Density_NVNT_ANT1_802_11g_2462



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	2399.936	-48.950	-24.109	Pass
NVNT	ANT1	802.11b	2462.00	2485.936	-55.997	-26.445	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	-41.706	-29.014	Pass
NVNT	ANT1	802.11g	2462.00	2485.120	-49.540	-30.265	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2397.024	-39.710	-27.162	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.776	-48.371	-29.008	Pass

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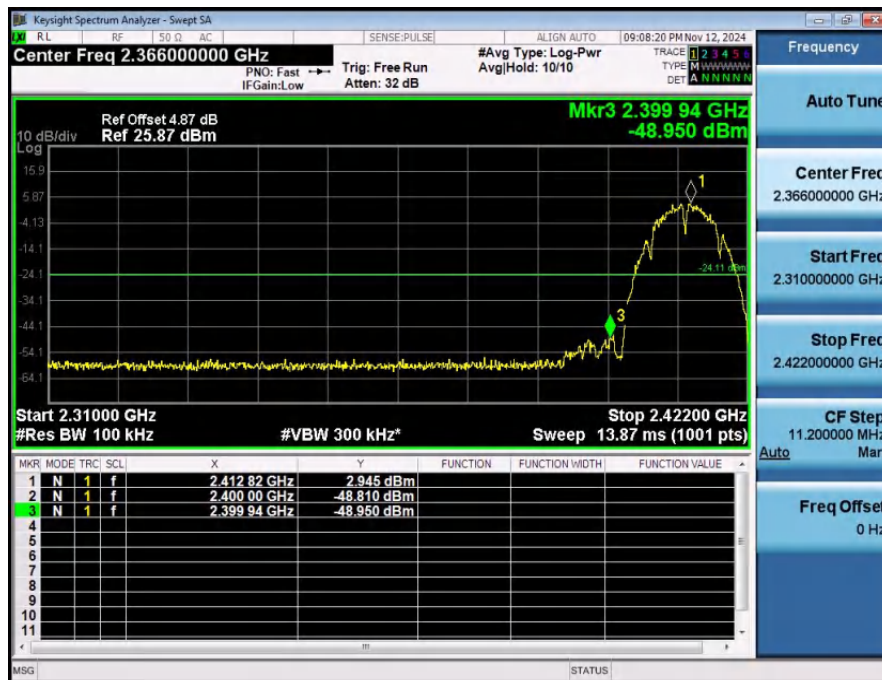
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1_Reference_Level_NVNT_ANT1_802_11b_2412



2_Bandedge_NVNT_ANT1_802_11b_2412



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1_Reference_Level_NVNT_ANT1_802_11b_2462



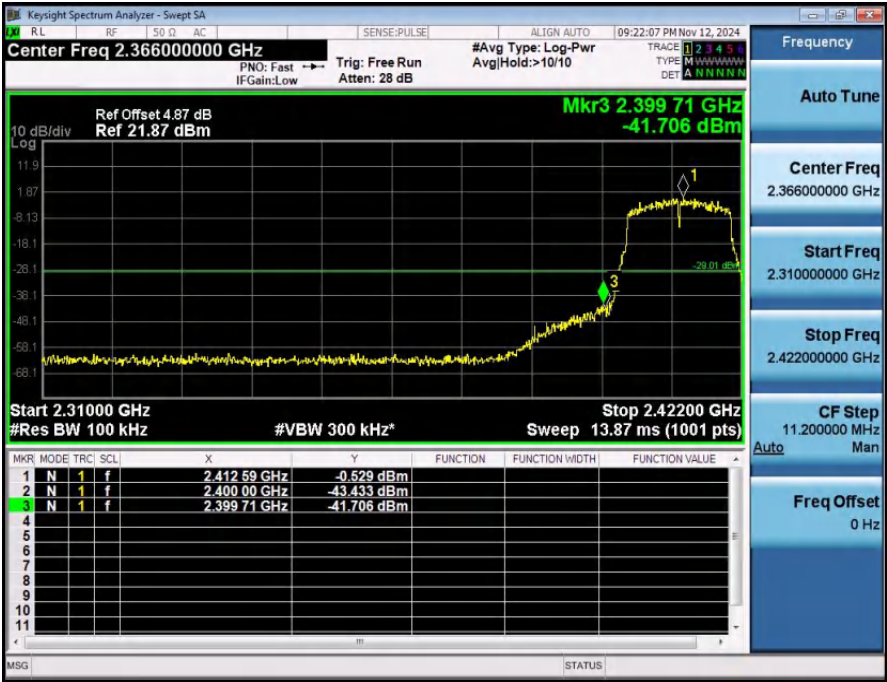
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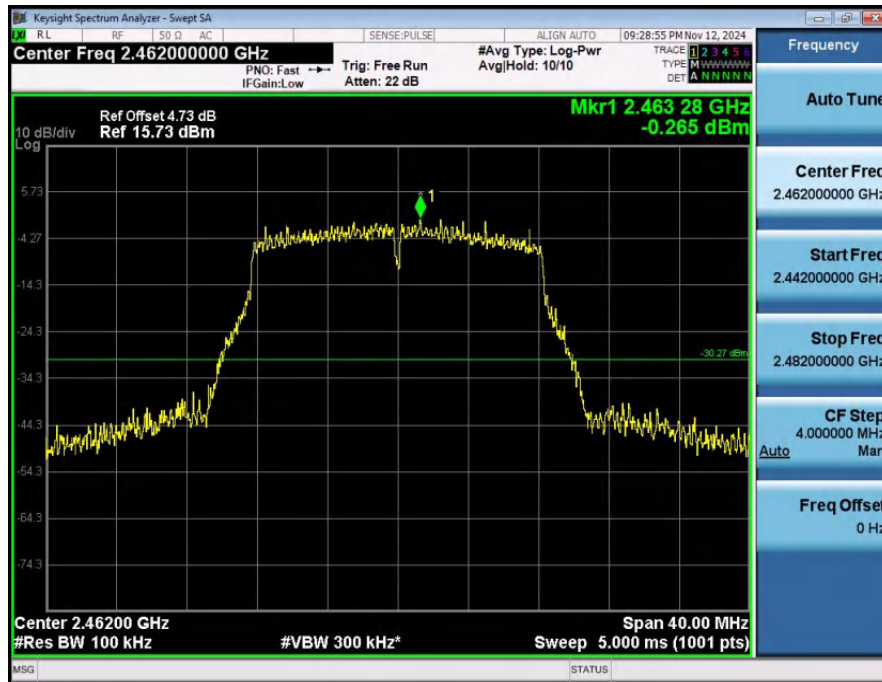
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2_Bandedge_NVNT_ANT1_802_11g_2412



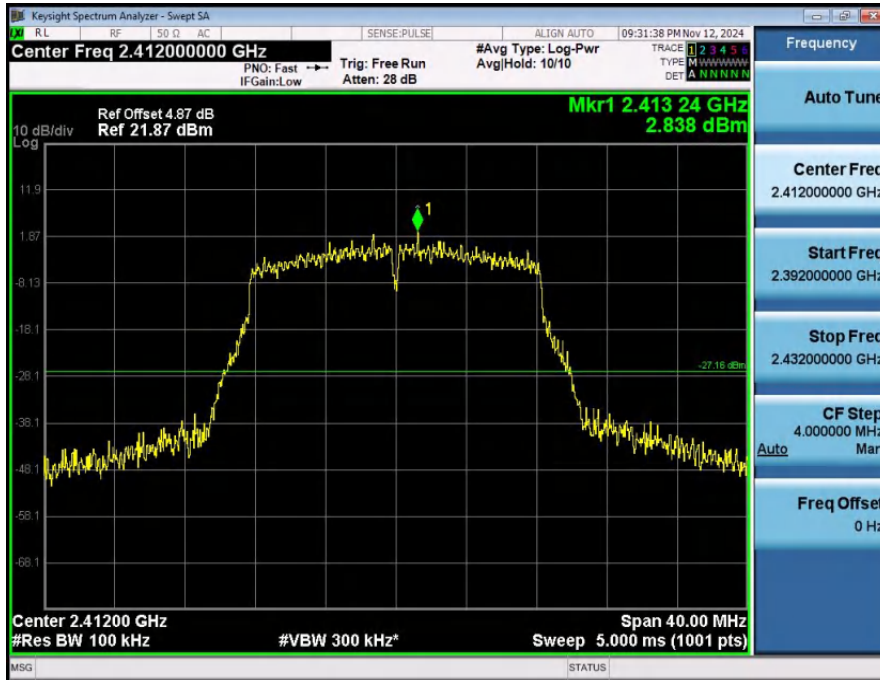
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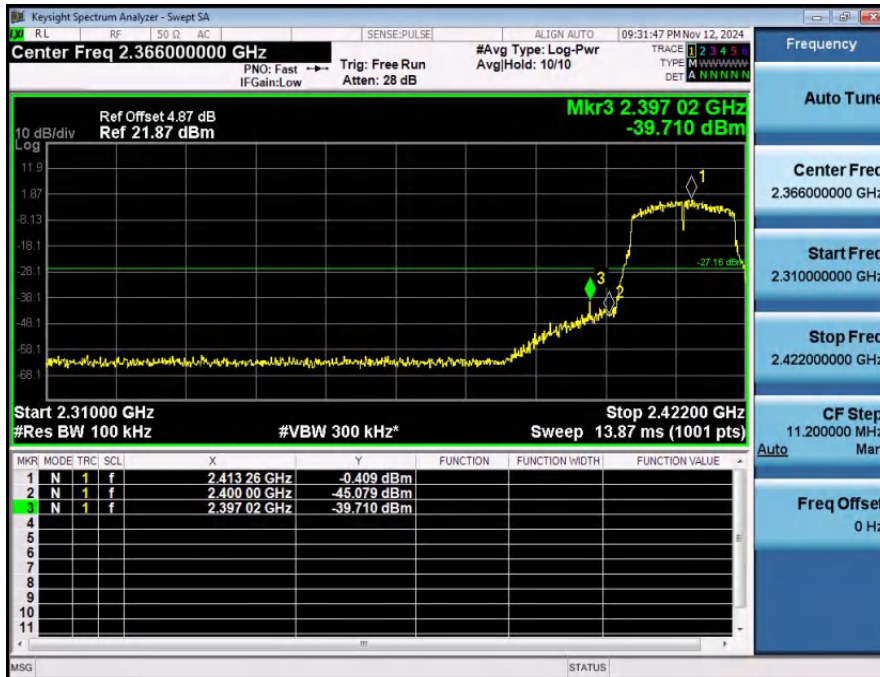
2_Bandedge_NVNT_ANT1_802_11g_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



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1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



Appendix G: Spurious Emission

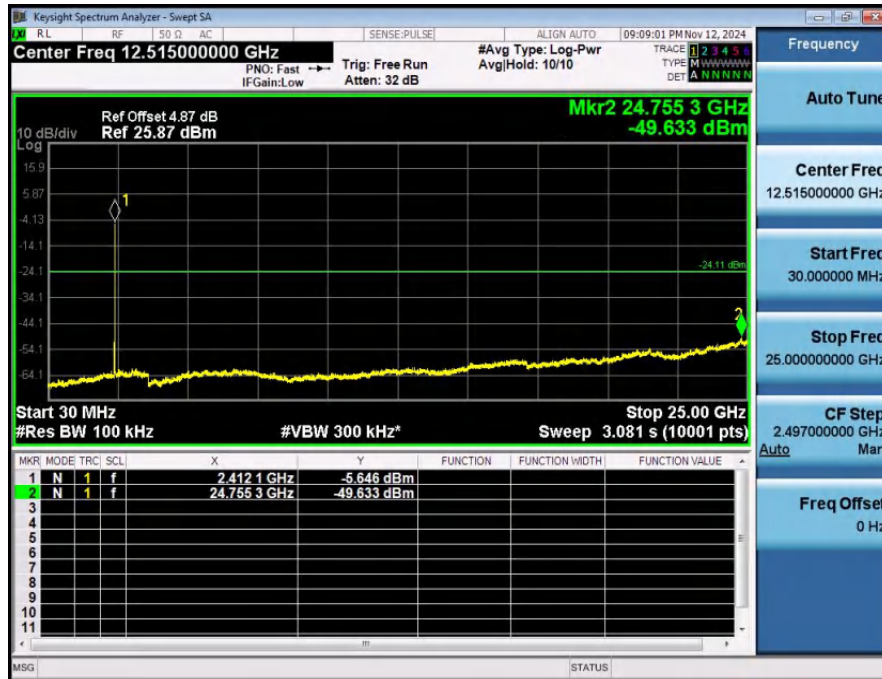
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24755.294	-49.633	-24.109	Pass
NVNT	ANT1	802.11b	2437.00	24775.270	-56.211	-24.320	Pass
NVNT	ANT1	802.11b	2462.00	24935.078	-52.680	-26.445	Pass
NVNT	ANT1	802.11g	2412.00	25000.000	-53.698	-29.014	Pass
NVNT	ANT1	802.11g	2437.00	24985.018	-57.545	-26.440	Pass
NVNT	ANT1	802.11g	2462.00	24940.072	-60.254	-30.265	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24992.509	-53.898	-27.162	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24697.863	-57.294	-27.243	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24715.342	-59.664	-29.008	Pass



1_Reference_Level_NVNT_ANT1_802_11b_2412



2_Spurious_Emission_NVNT_ANT1_802_11b_2412



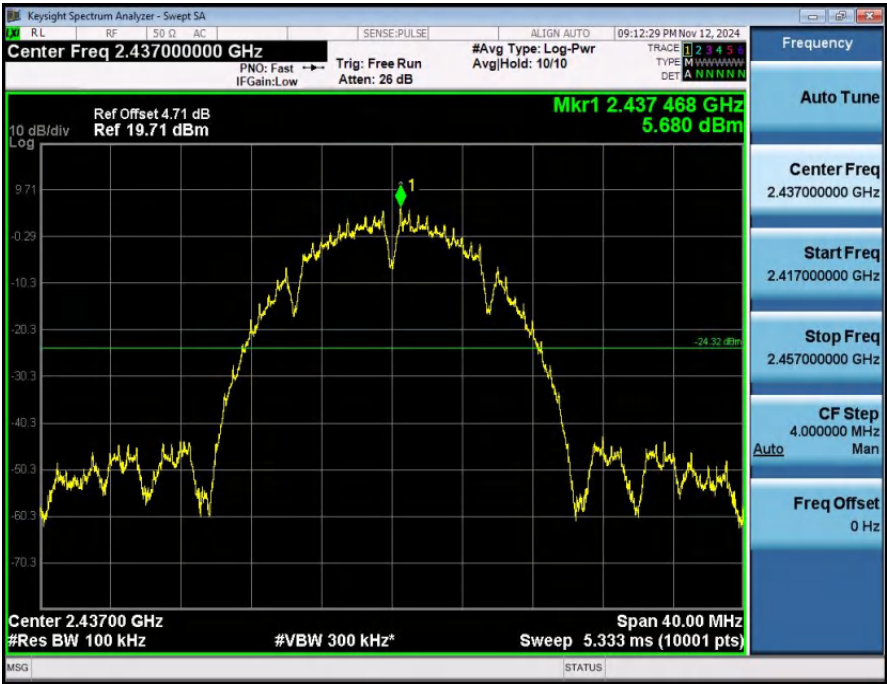
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Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

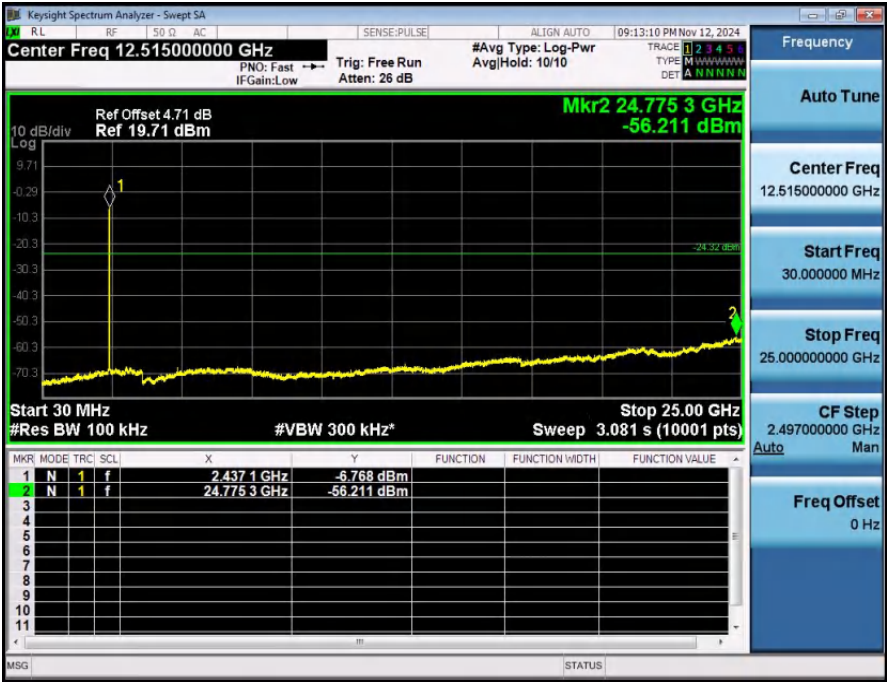
Hotline
400-003-0500
www.anbotek.com



1_Reference_Level_NVNT_ANT1_802_11b_2437



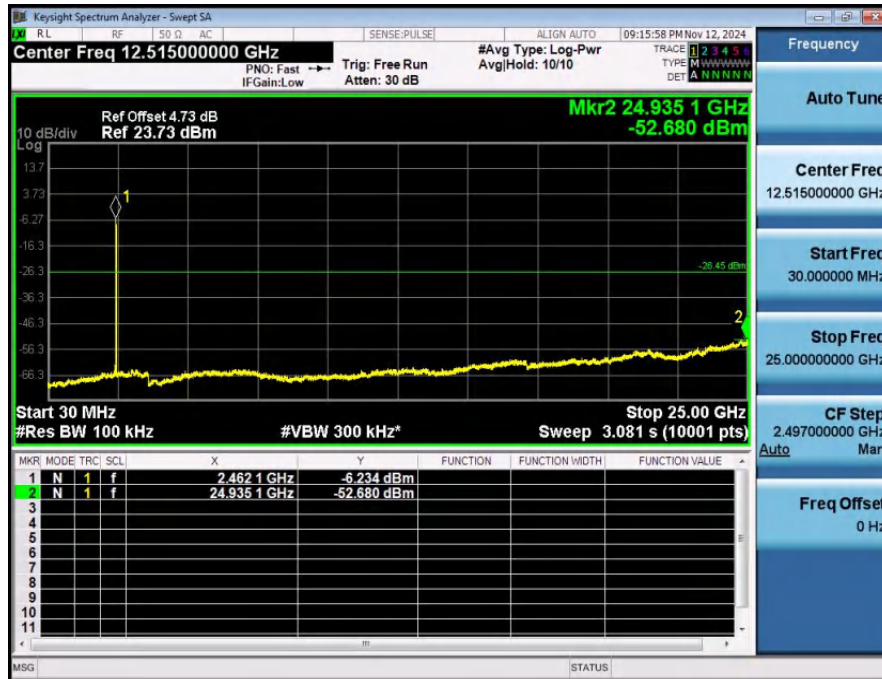
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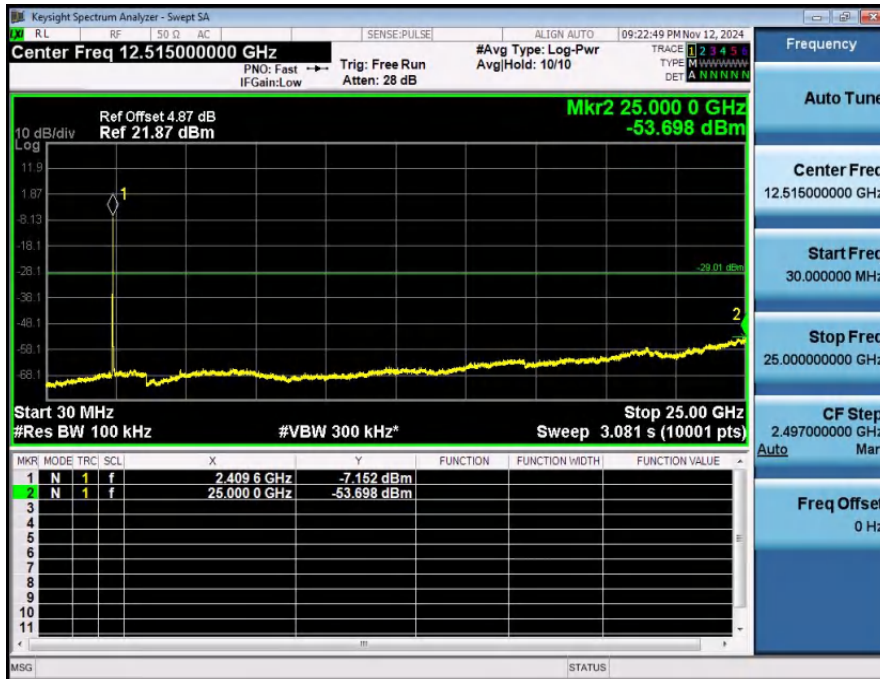
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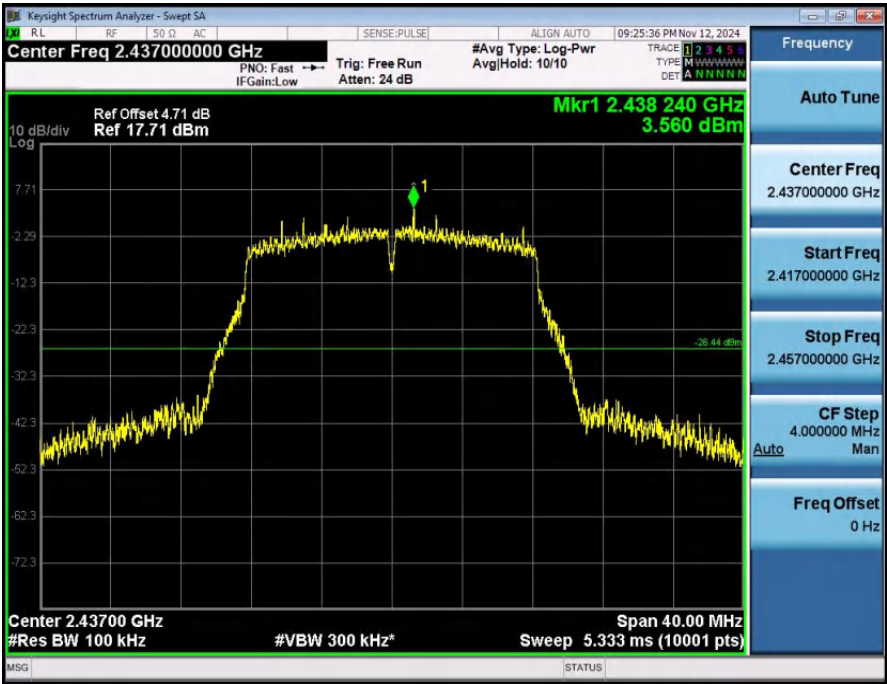
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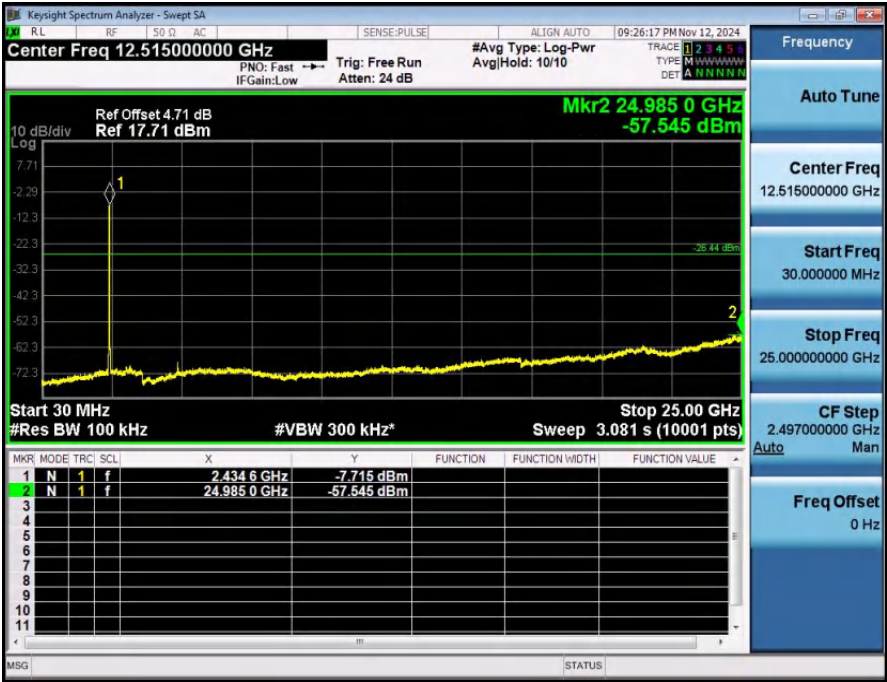
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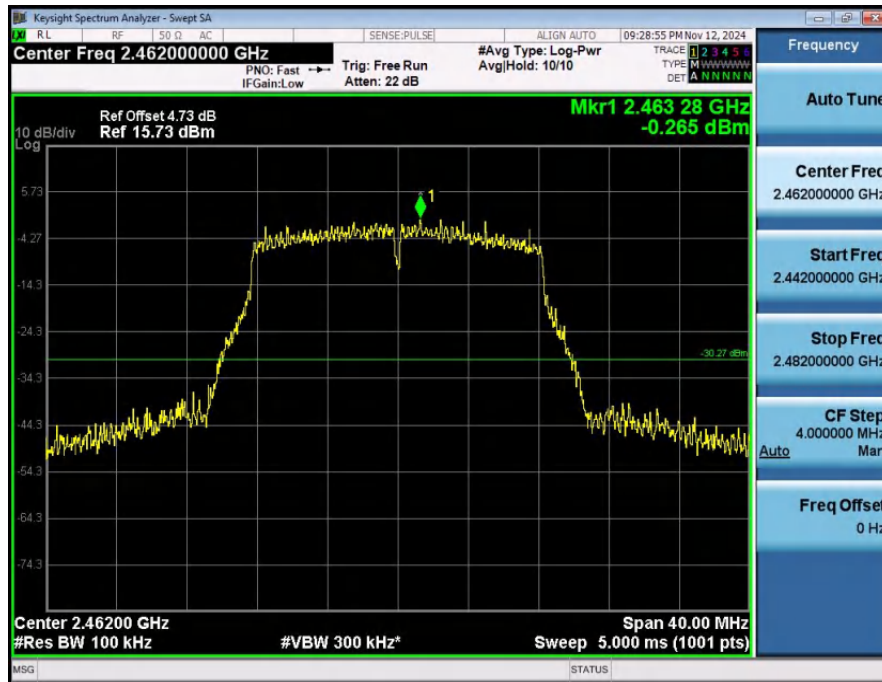
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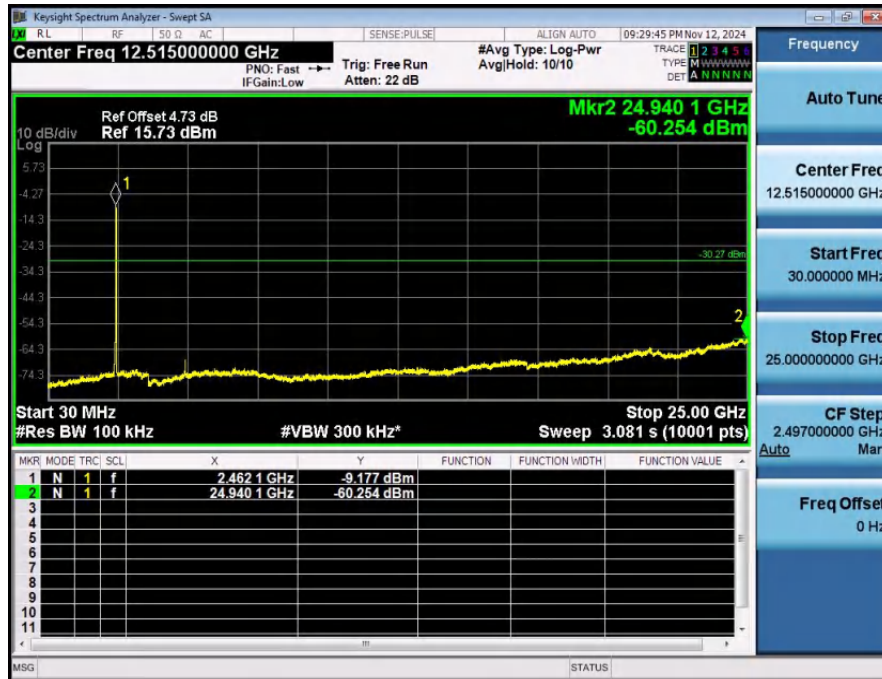
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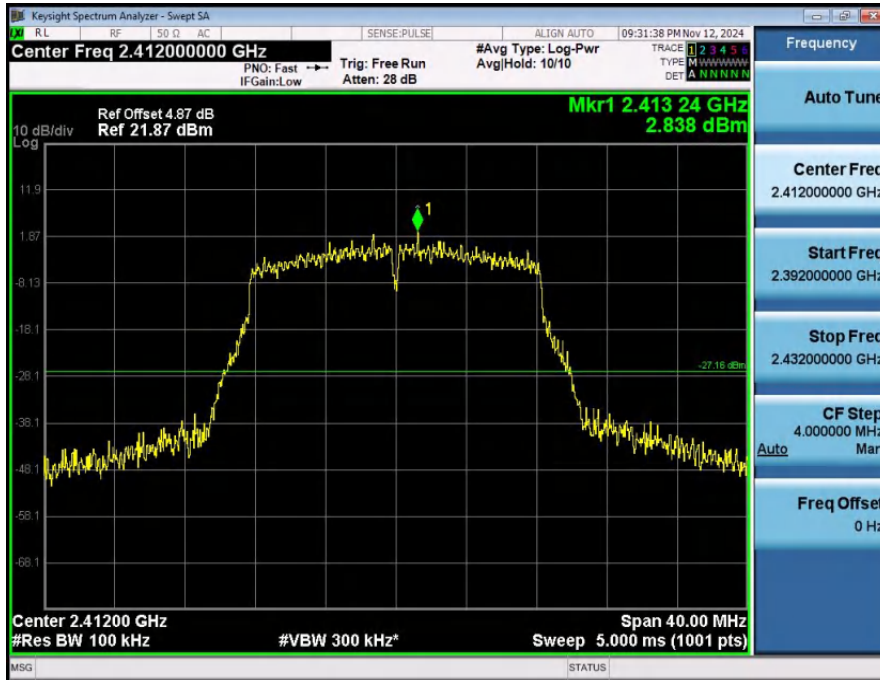
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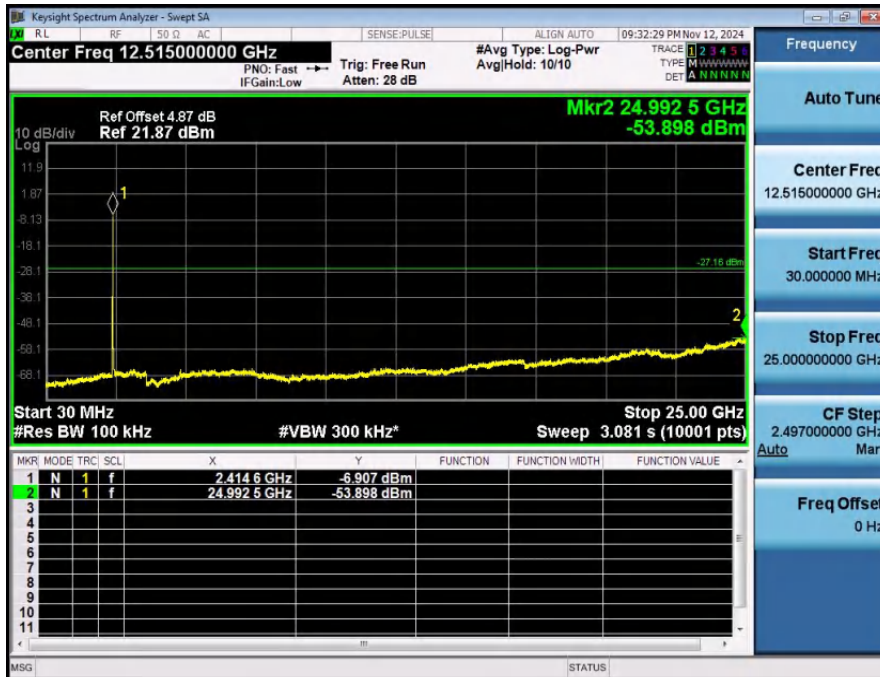
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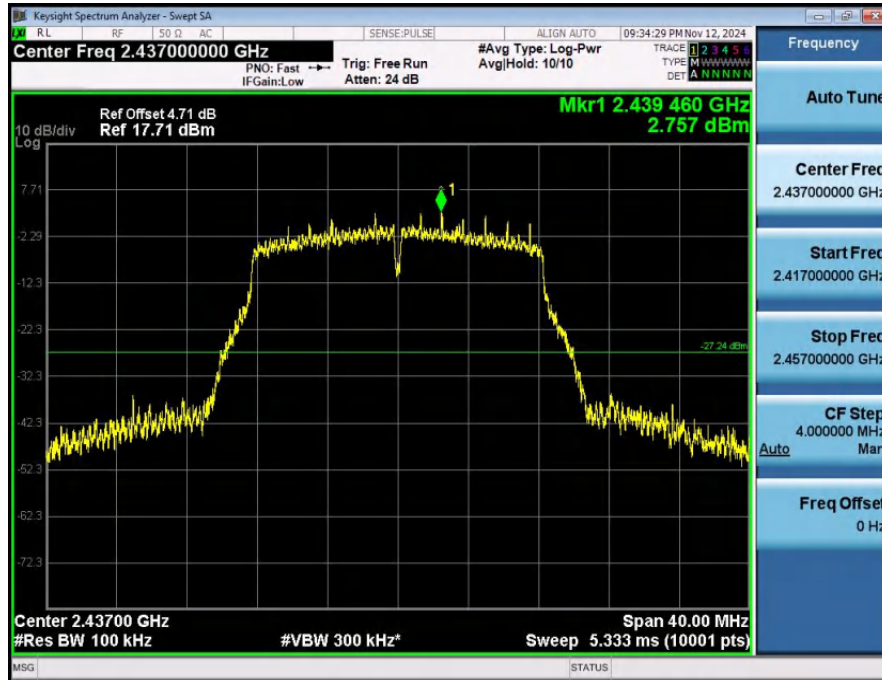
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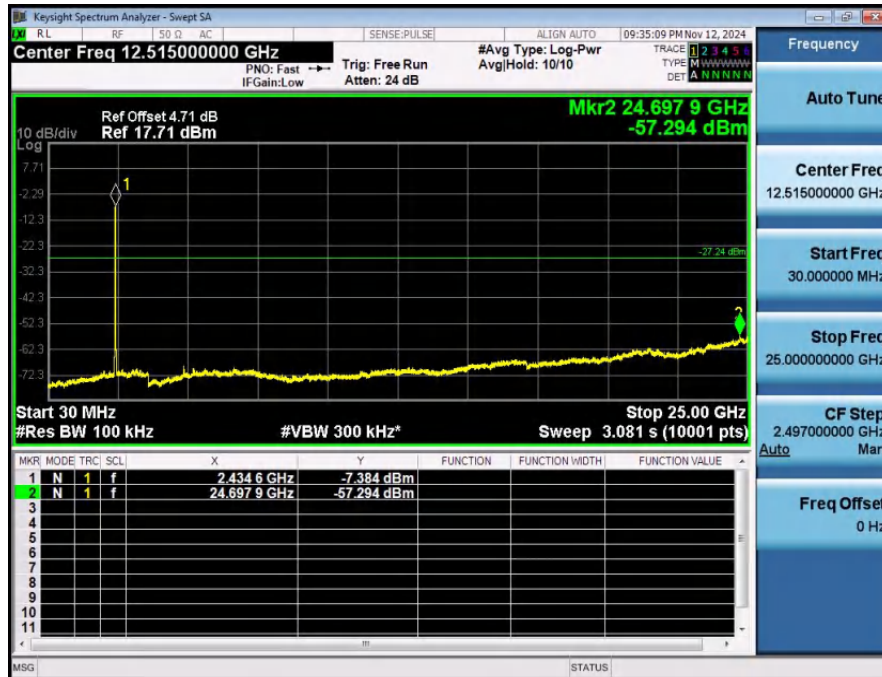
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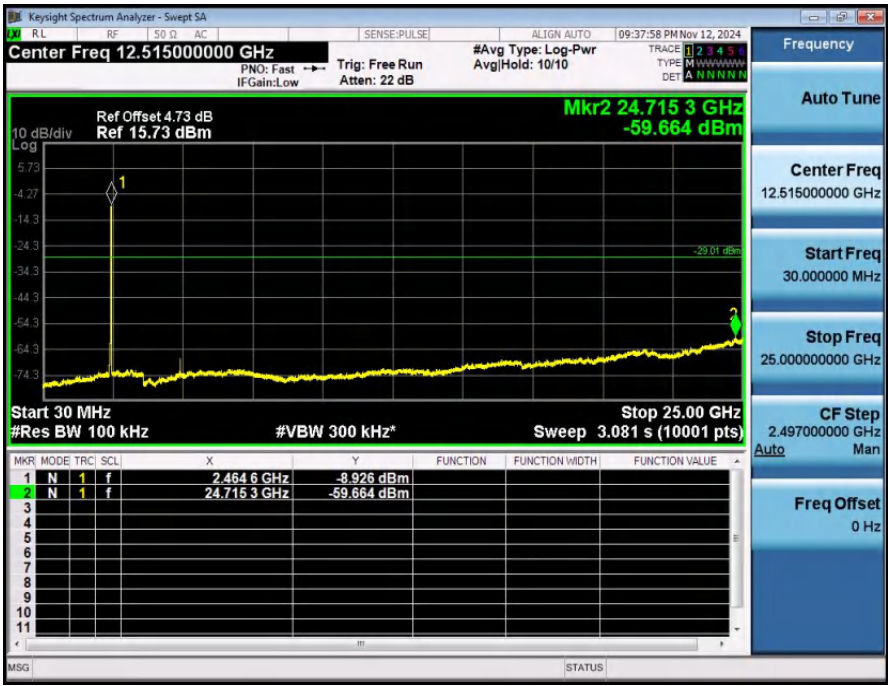
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1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



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