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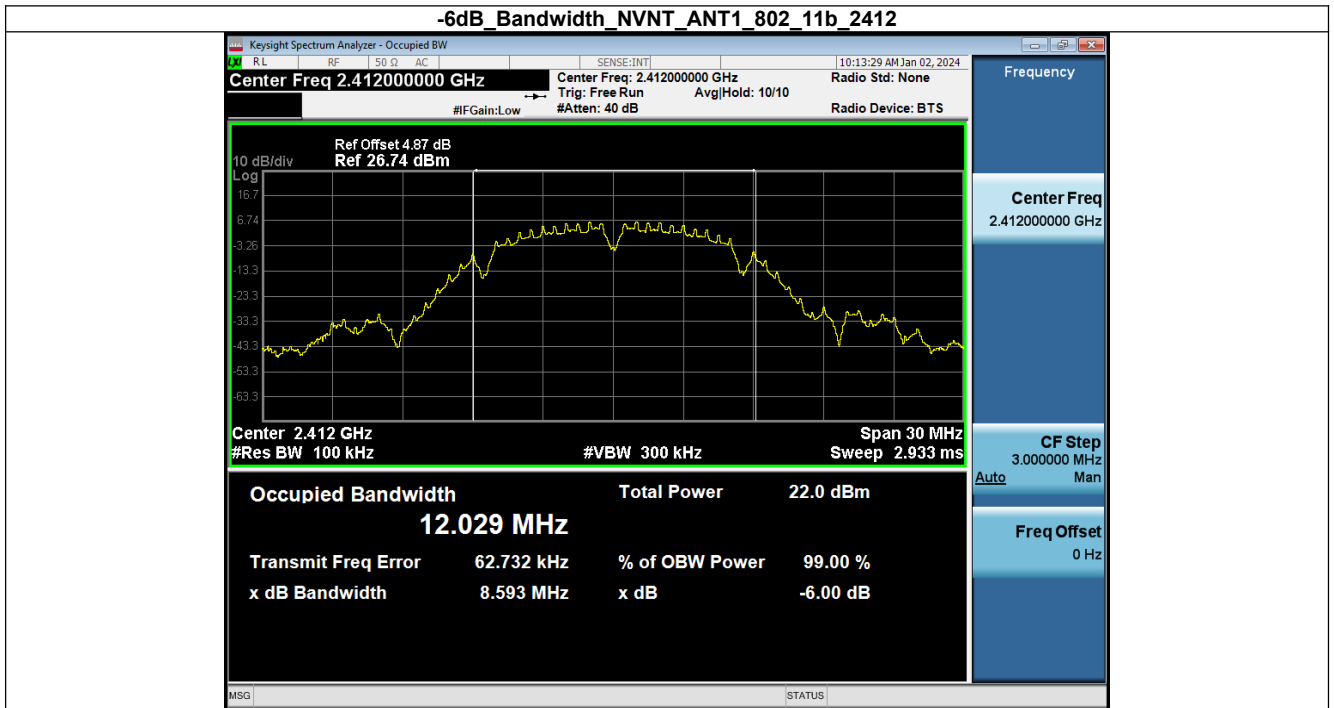
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FCC ID WIFI2.4

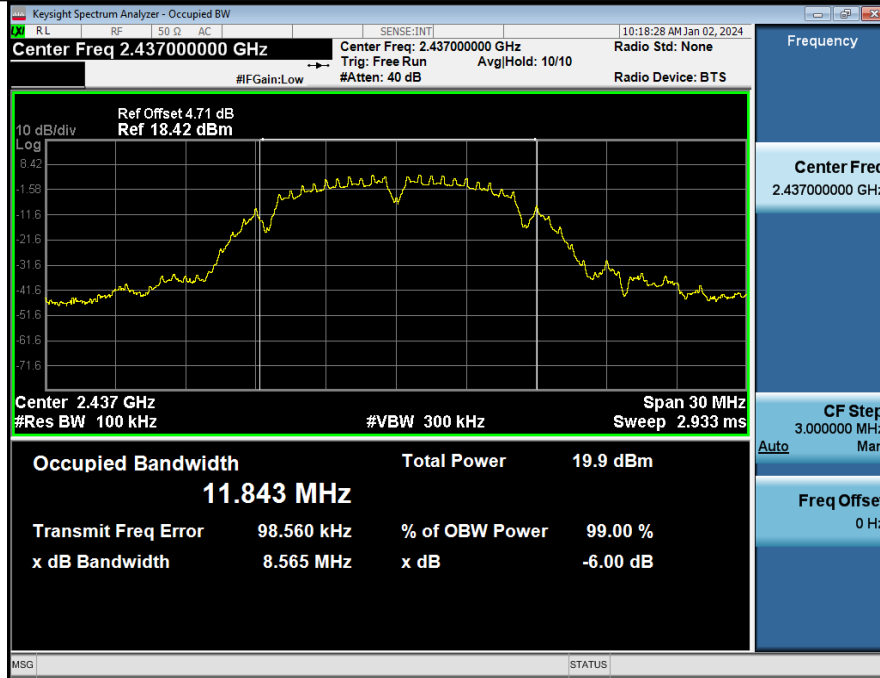
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.59	500	Pass
NVNT	ANT1	802.11b	2437.00	8.56	500	Pass
NVNT	ANT1	802.11b	2462.00	8.61	500	Pass
NVNT	ANT1	802.11g	2412.00	15.92	500	Pass
NVNT	ANT1	802.11g	2437.00	16.08	500	Pass
NVNT	ANT1	802.11g	2462.00	16.10	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.48	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	16.86	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.79	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.70	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.57	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.23	500	Pass



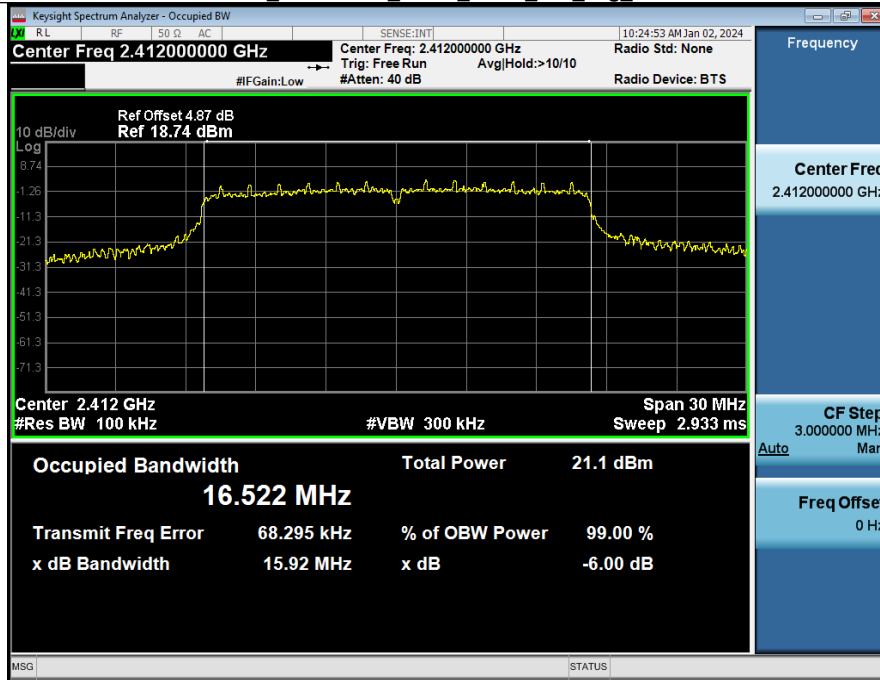
-6dB Bandwidth_NVNT_ANT1_802_11b_2437



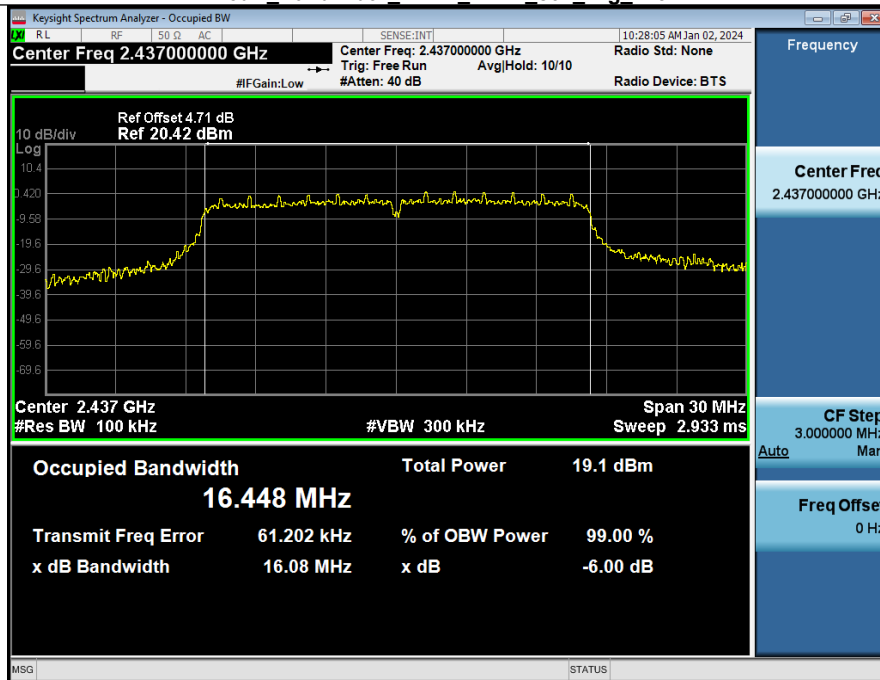
-6dB Bandwidth_NVNT_ANT1_802_11b_2462



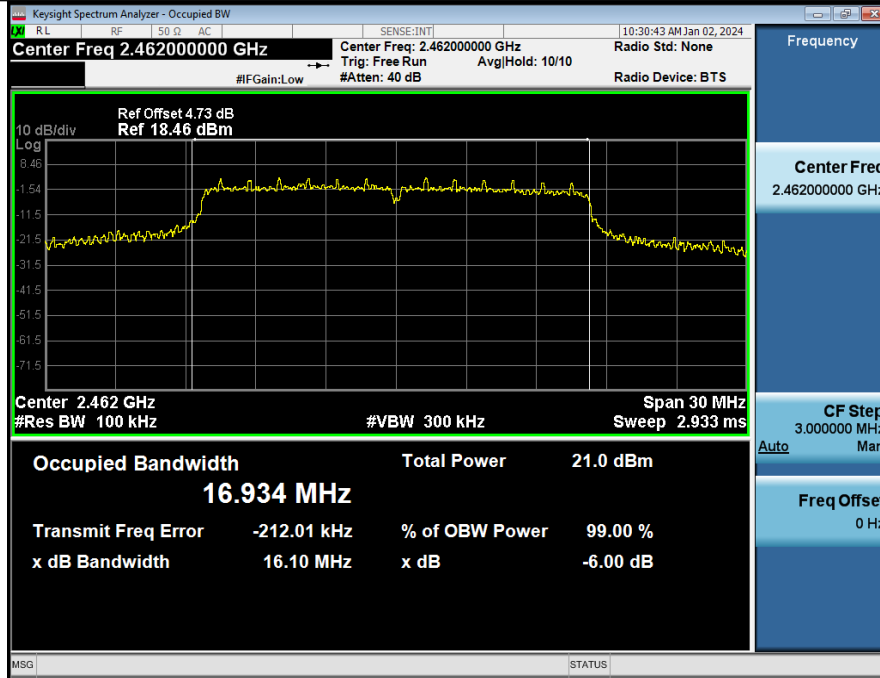
-6dB Bandwidth_NVNT_ANT1_802_11g_2412



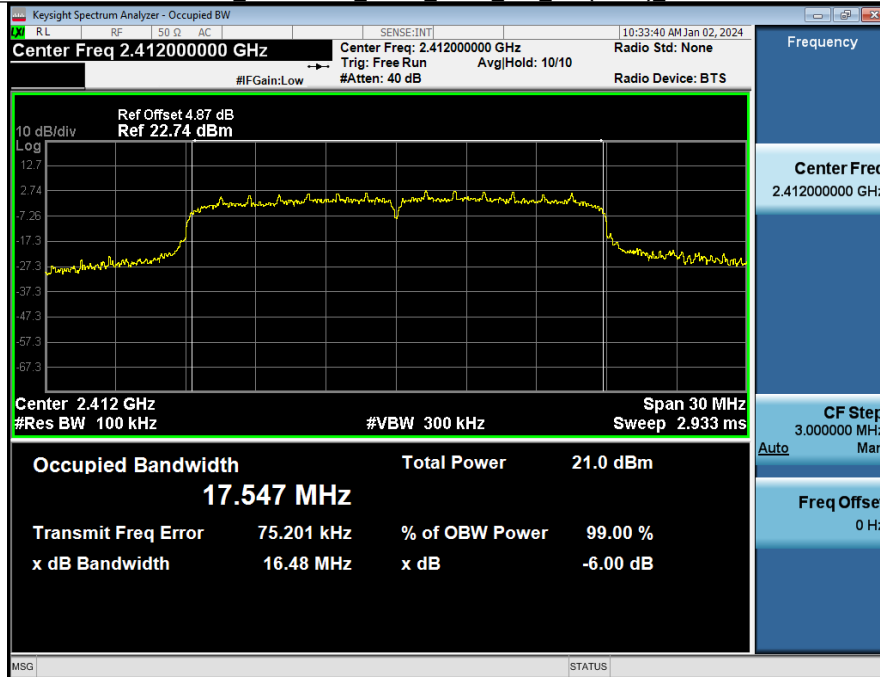
-6dB Bandwidth_NVNT_ANT1_802_11g_2437



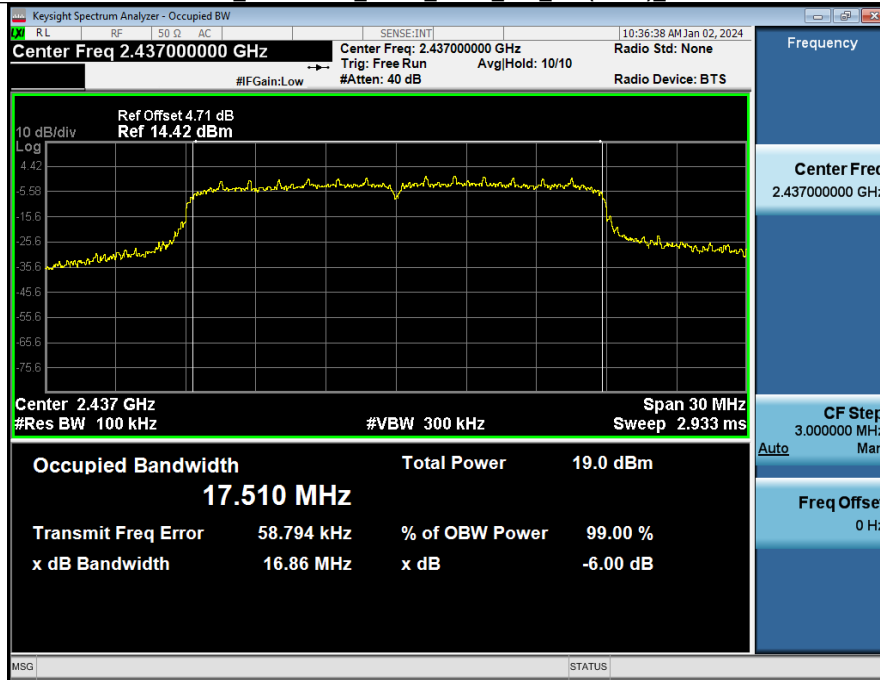
-6dB Bandwidth_NVNT_ANT1_802_11g_2462



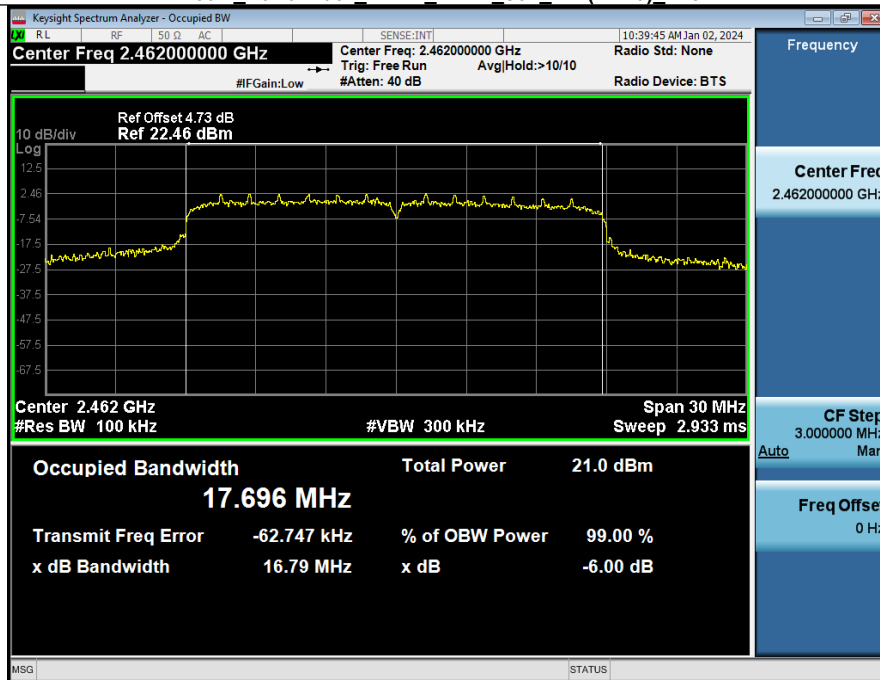
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



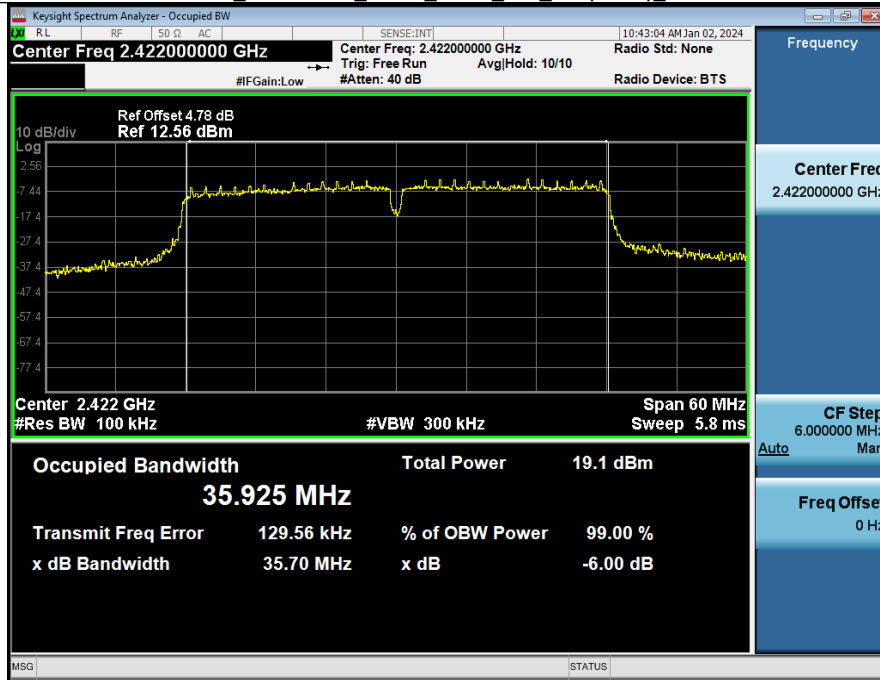
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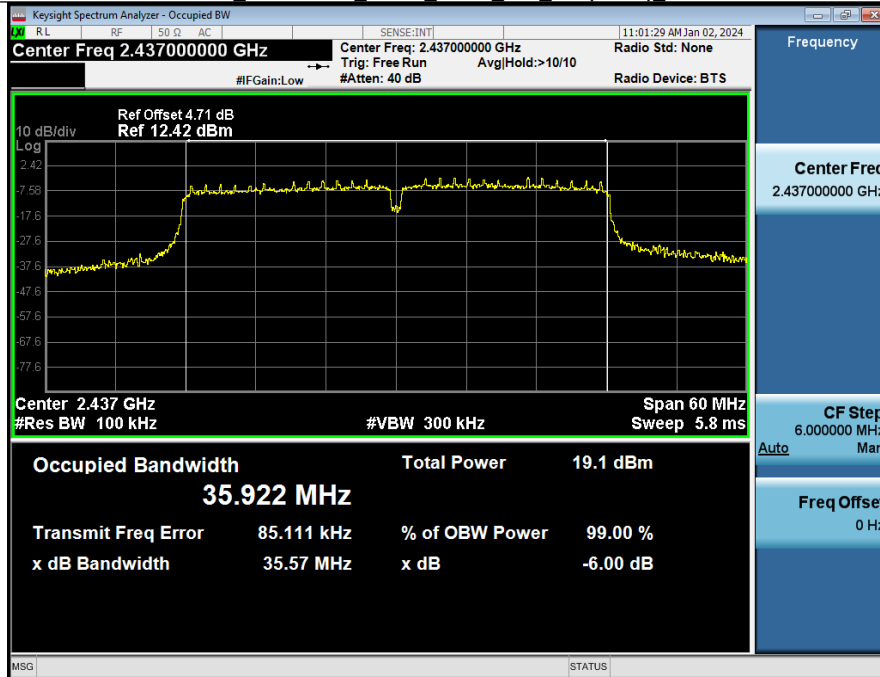
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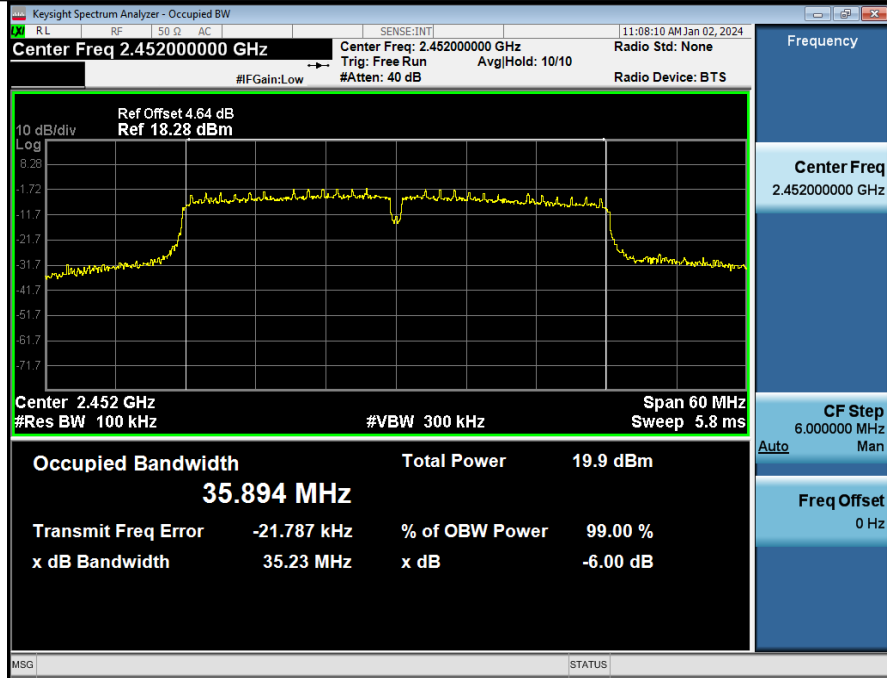
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-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

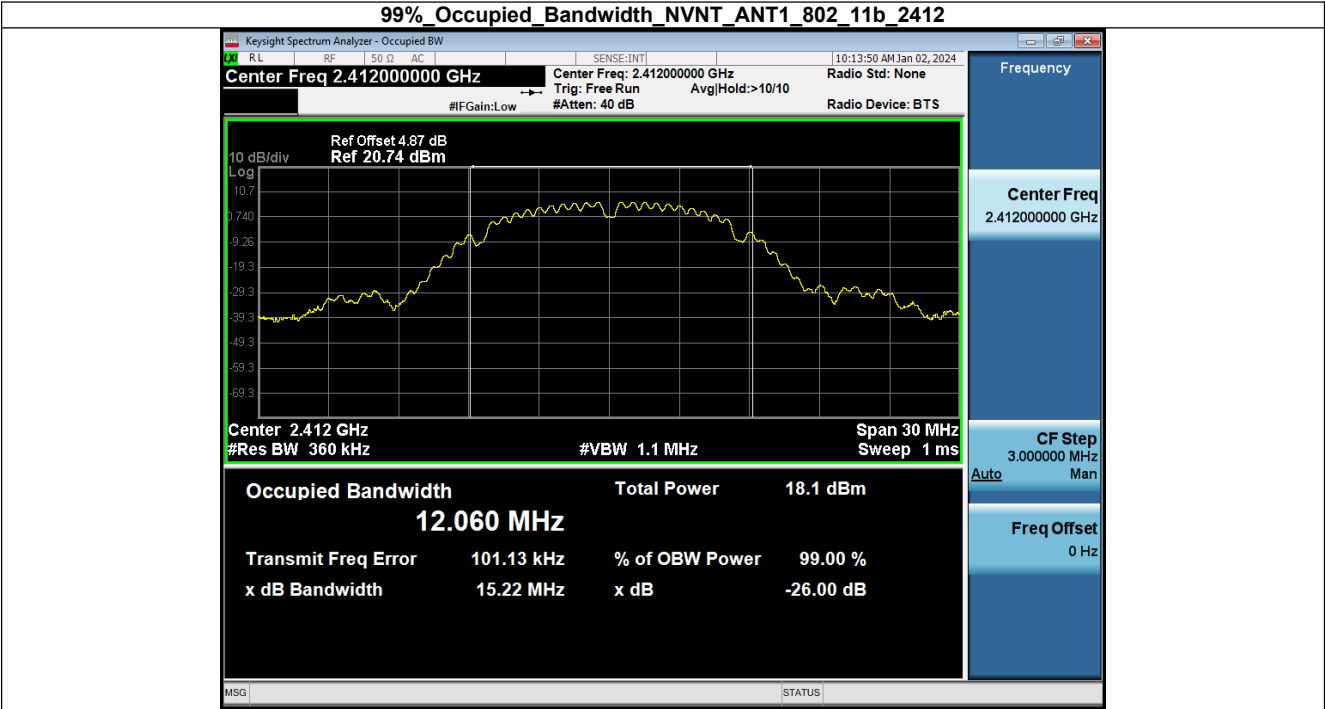


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

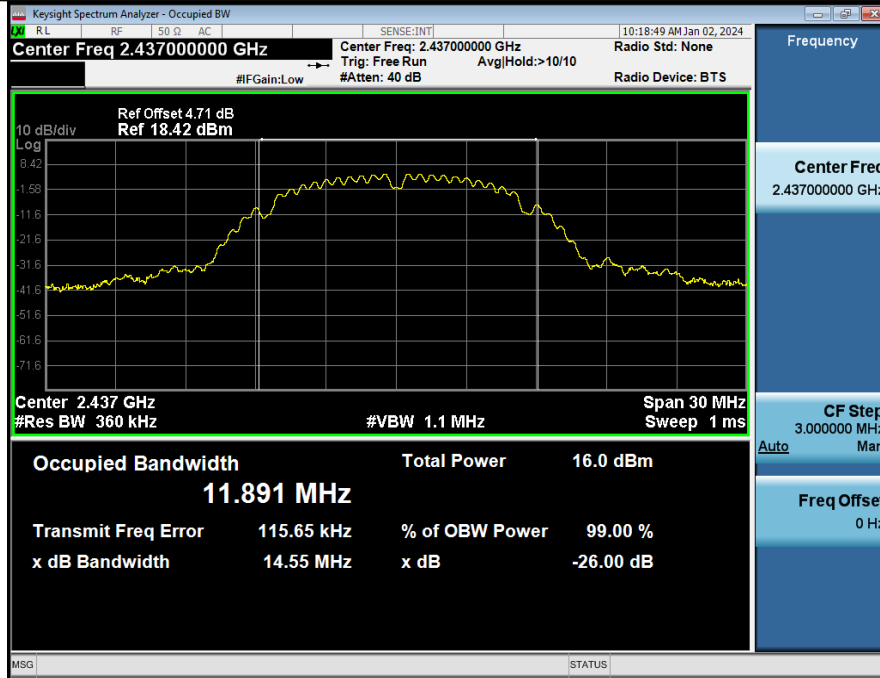


2. 99% Occupied Bandwidth

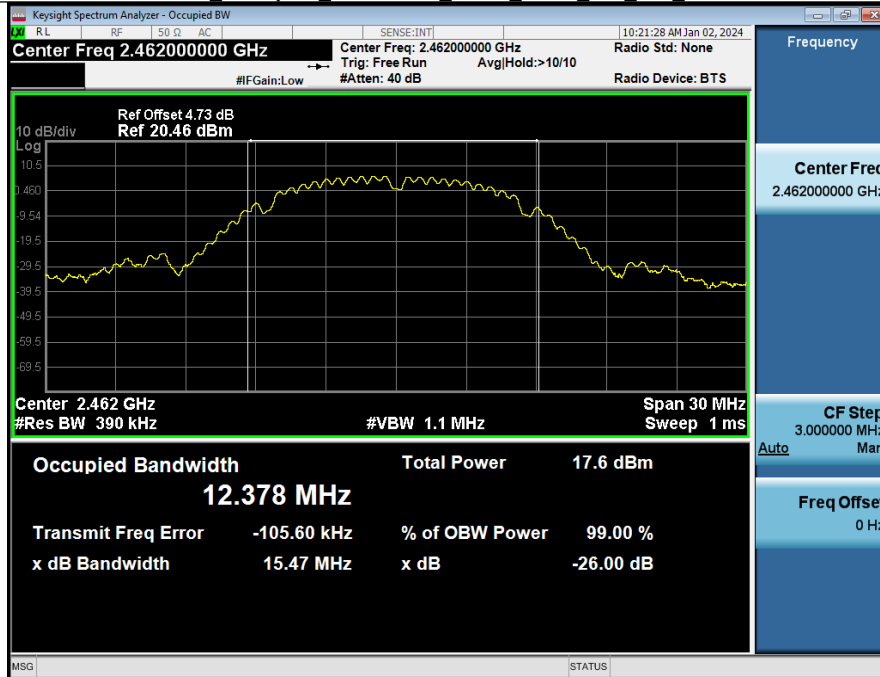
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.060
NVNT	ANT1	802.11b	2437.00	11.891
NVNT	ANT1	802.11b	2462.00	12.378
NVNT	ANT1	802.11g	2412.00	17.757
NVNT	ANT1	802.11g	2437.00	17.327
NVNT	ANT1	802.11g	2462.00	18.634
NVNT	ANT1	802.11n(HT20)	2412.00	17.917
NVNT	ANT1	802.11n(HT20)	2437.00	17.875
NVNT	ANT1	802.11n(HT20)	2462.00	18.464
NVNT	ANT1	802.11n(HT40)	2422.00	36.512
NVNT	ANT1	802.11n(HT40)	2437.00	36.374
NVNT	ANT1	802.11n(HT40)	2452.00	36.293



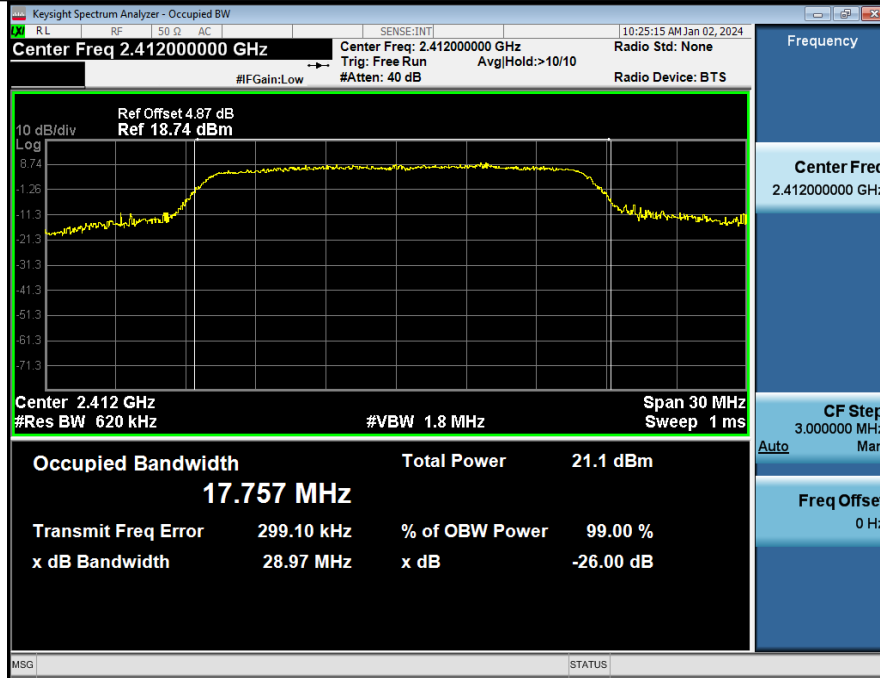
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



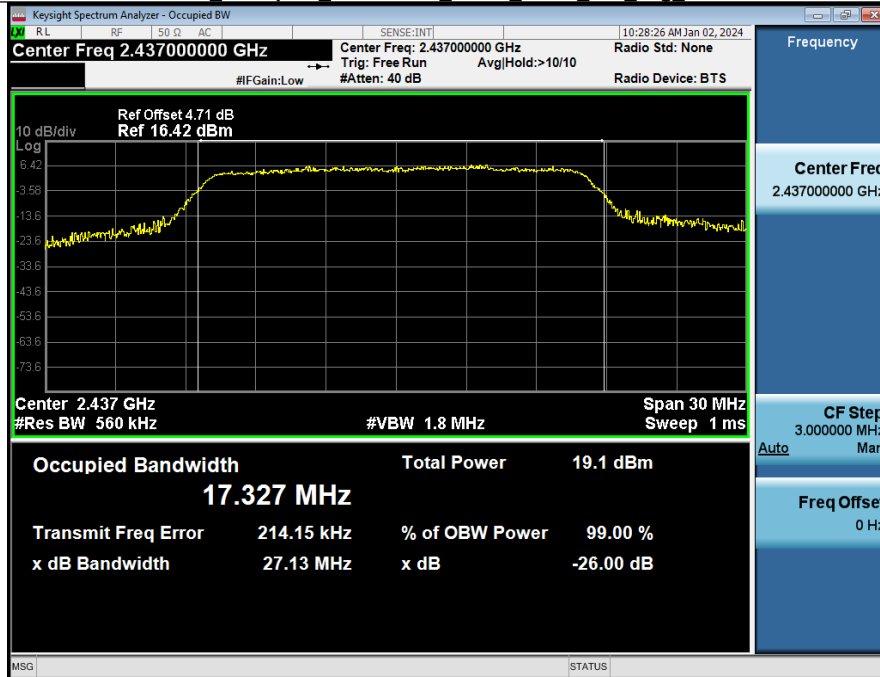
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



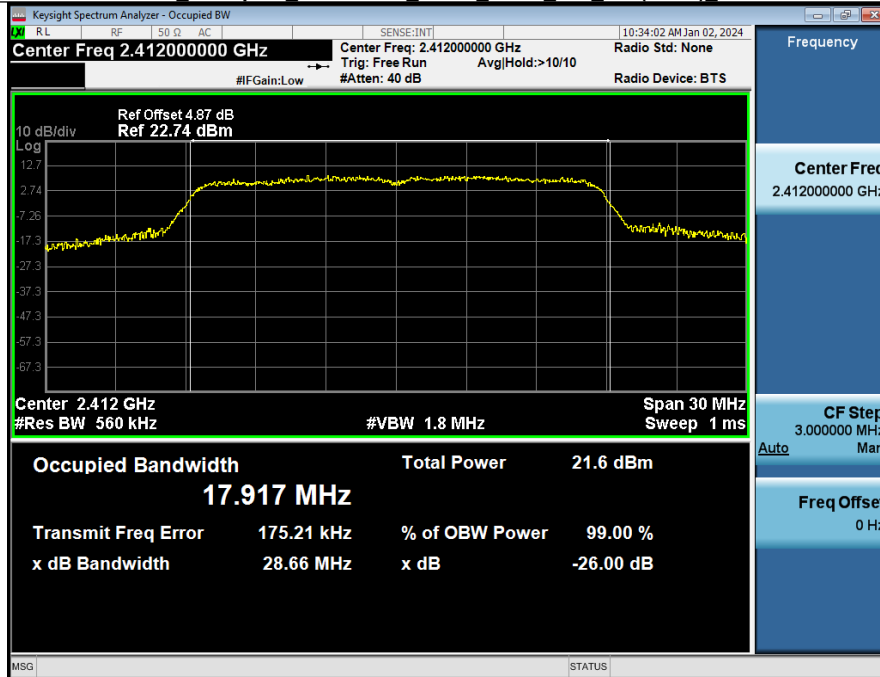
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



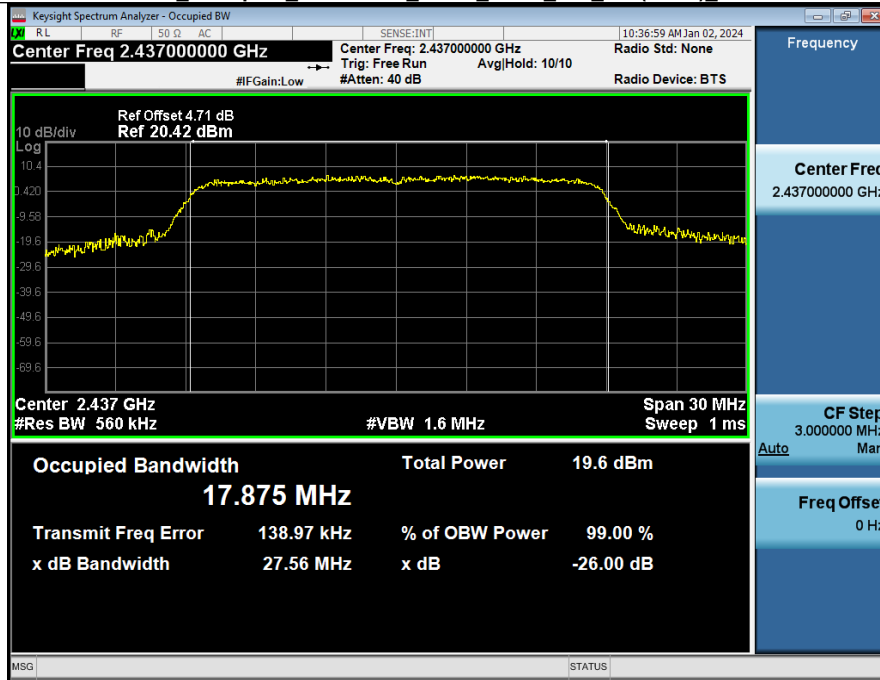
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462



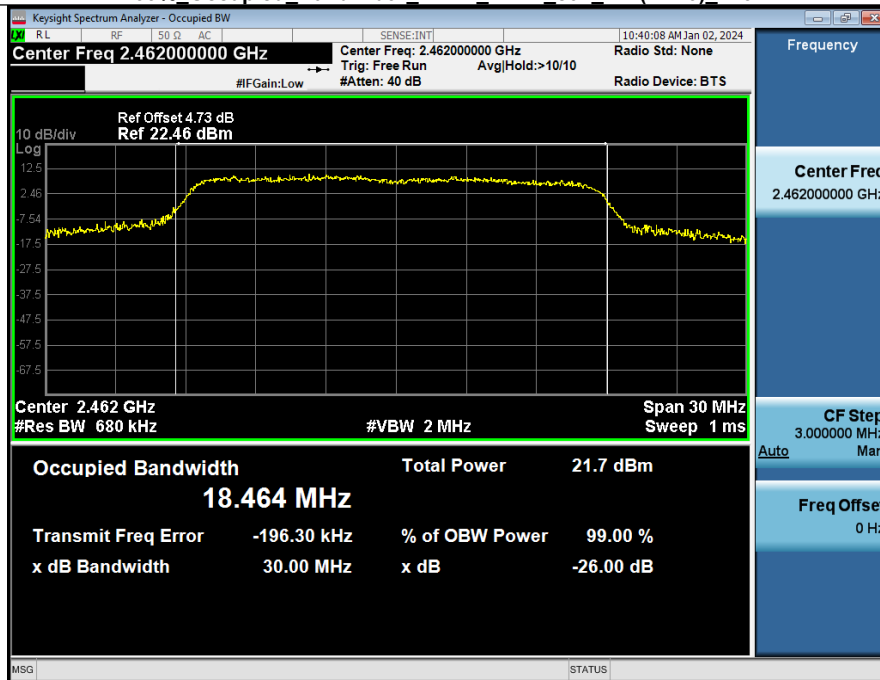
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



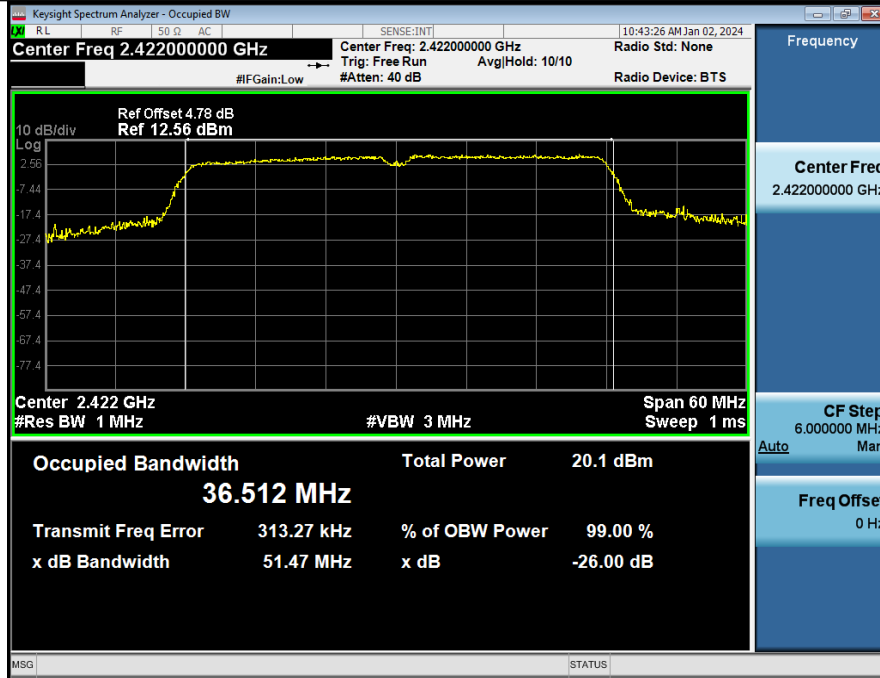
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2437



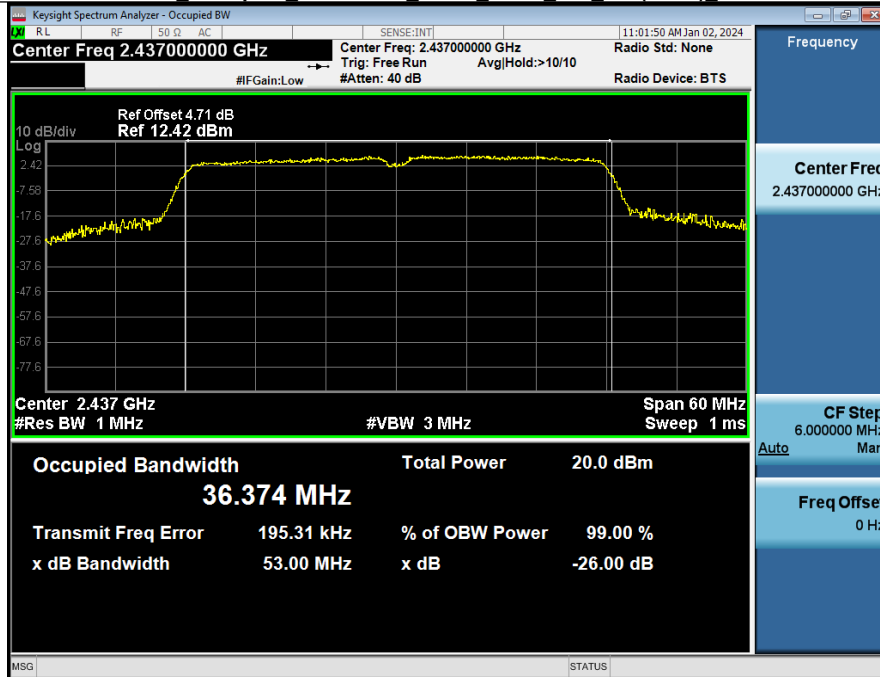
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2462

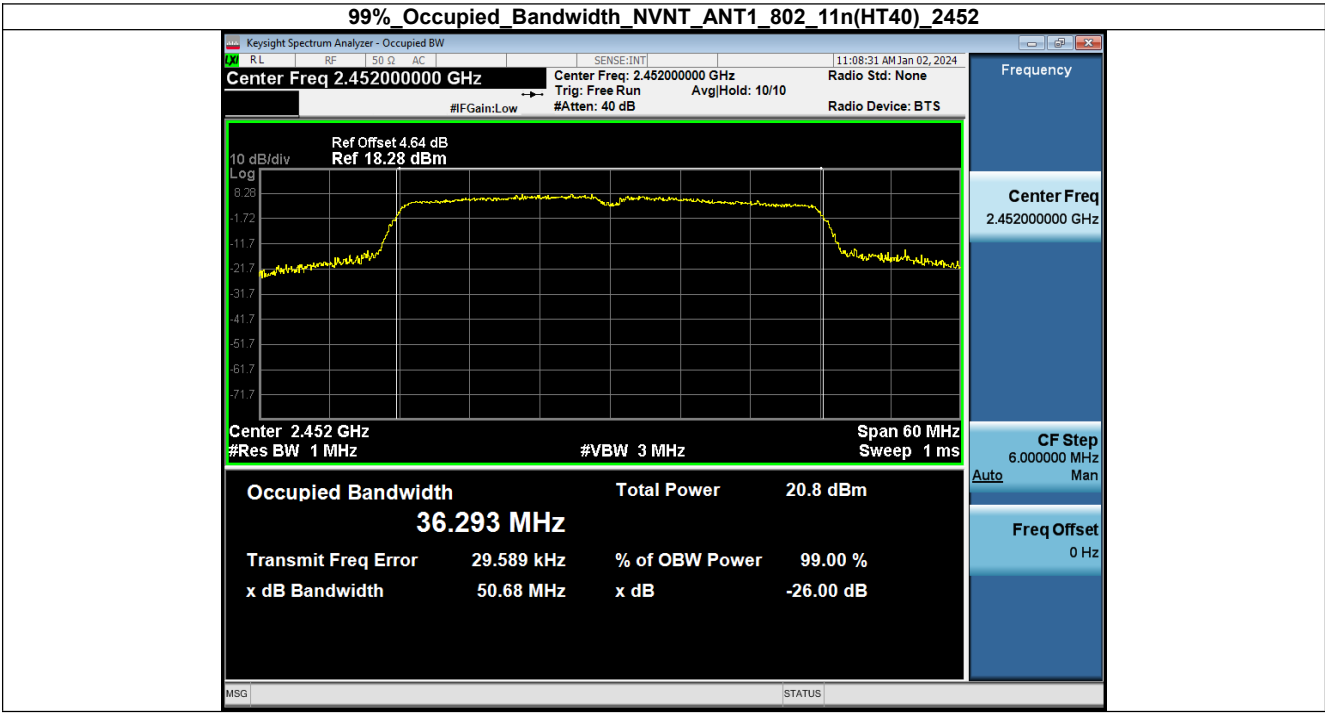


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2422



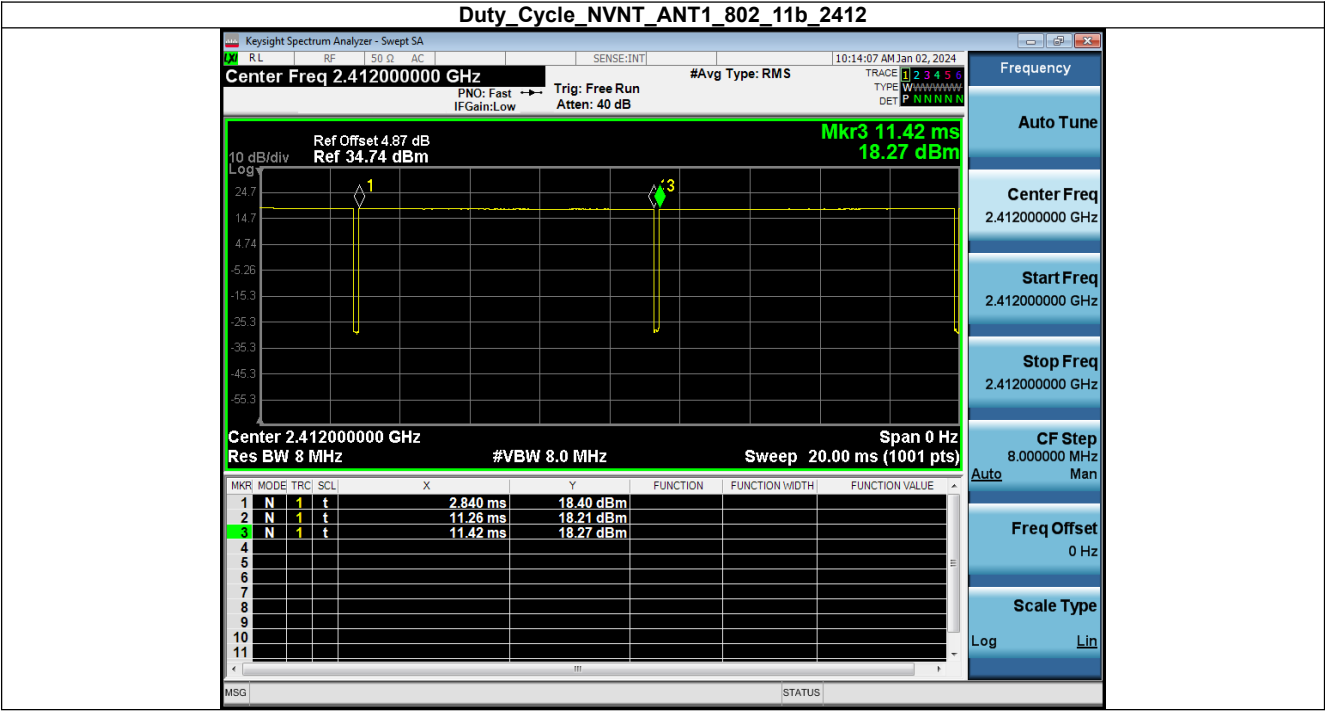
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT40)_2437



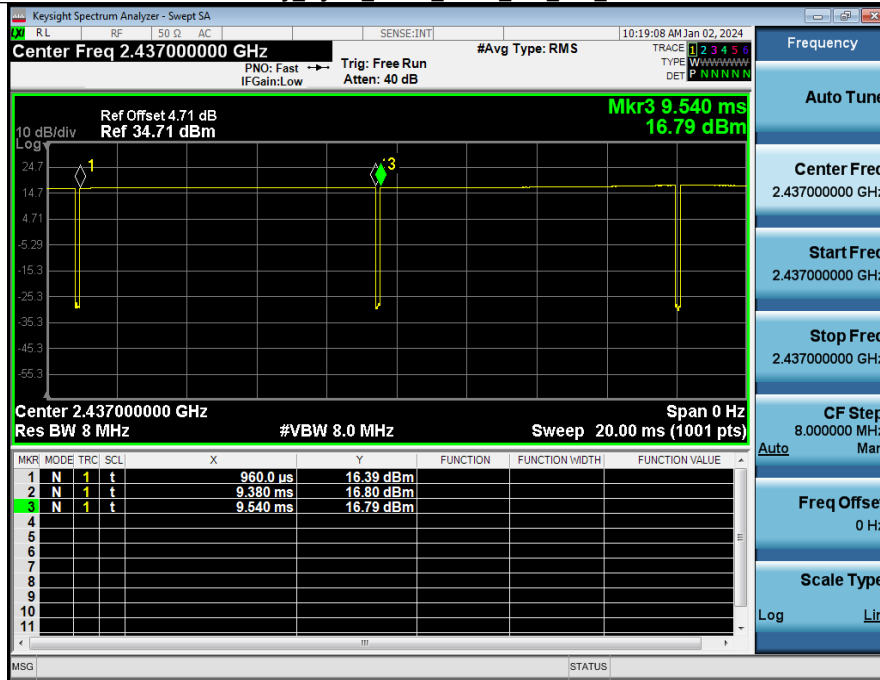


3. Duty Cycle

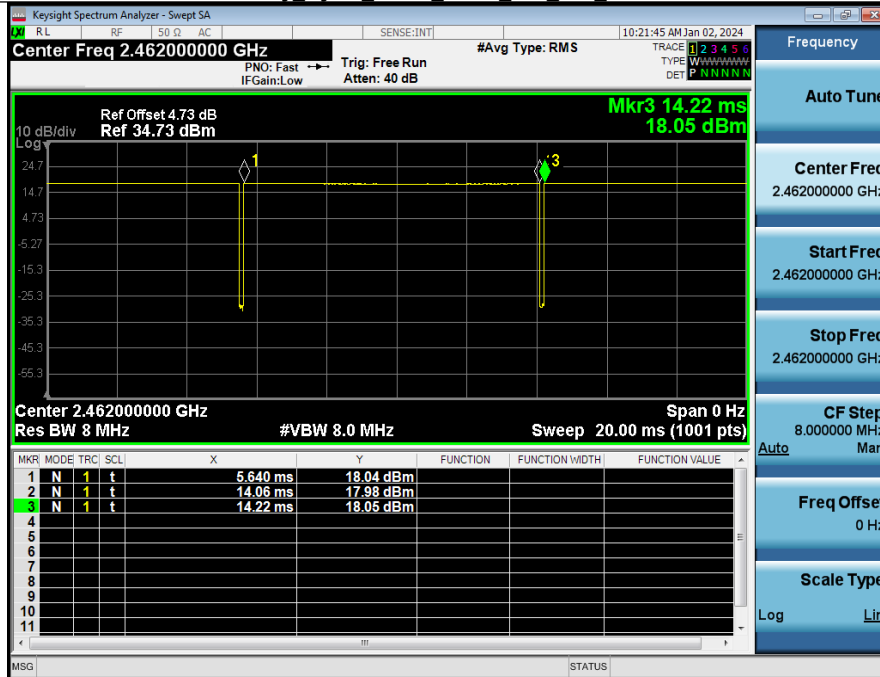
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.37	0.00
NVNT	ANT1	802.11b	2437.00	98.37	0.00
NVNT	ANT1	802.11b	2462.00	98.37	0.00
NVNT	ANT1	802.11g	2412.00	92.21	0.35
NVNT	ANT1	802.11g	2437.00	92.21	0.35
NVNT	ANT1	802.11g	2462.00	90.91	0.41
NVNT	ANT1	802.11n(HT20)	2412.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	2437.00	89.55	0.48
NVNT	ANT1	802.11n(HT20)	2462.00	89.55	0.48
NVNT	ANT1	802.11n(HT40)	2422.00	81.08	0.91
NVNT	ANT1	802.11n(HT40)	2437.00	81.08	0.91
NVNT	ANT1	802.11n(HT40)	2452.00	83.78	0.77



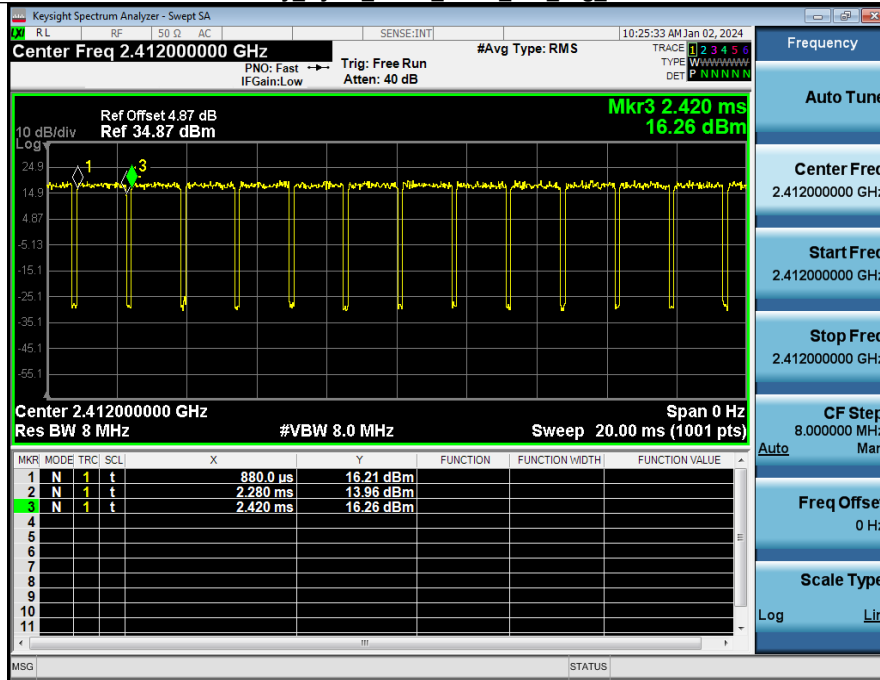
Duty Cycle NVNT ANT1_802_11b_2437



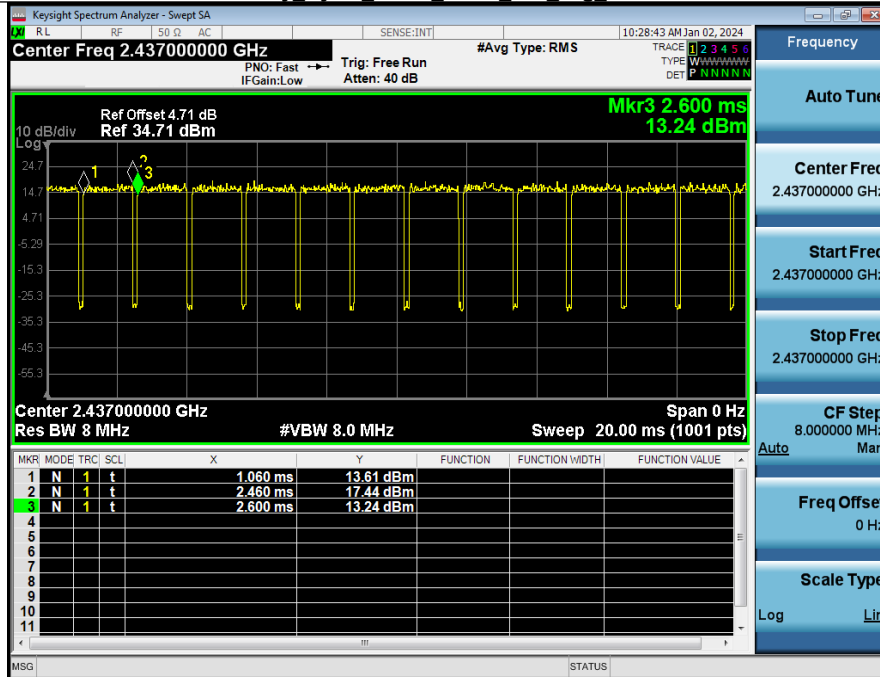
Duty Cycle NVNT ANT1_802_11b_2462



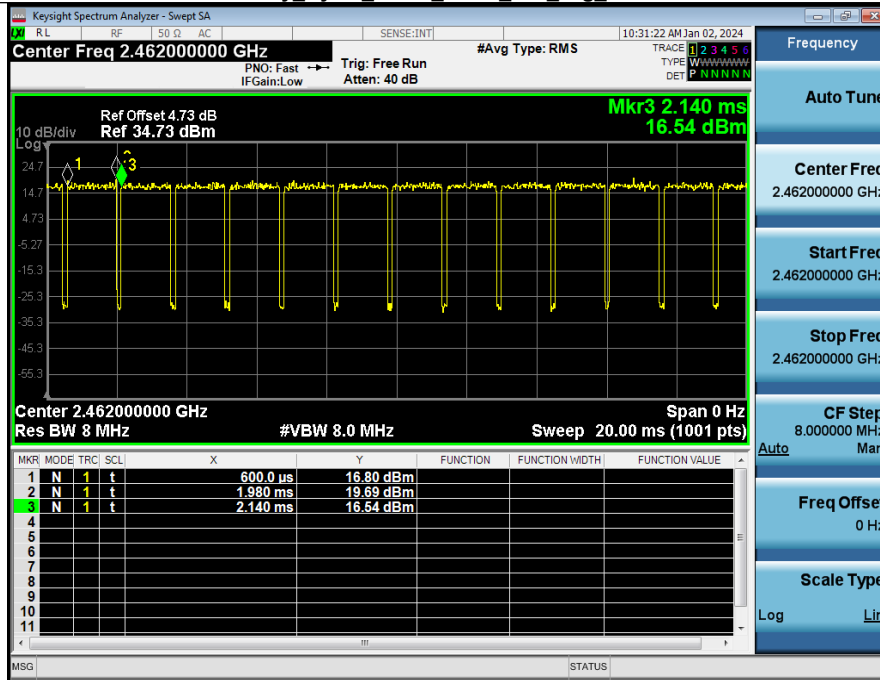
Duty Cycle NVNT ANT1_802_11g_2412



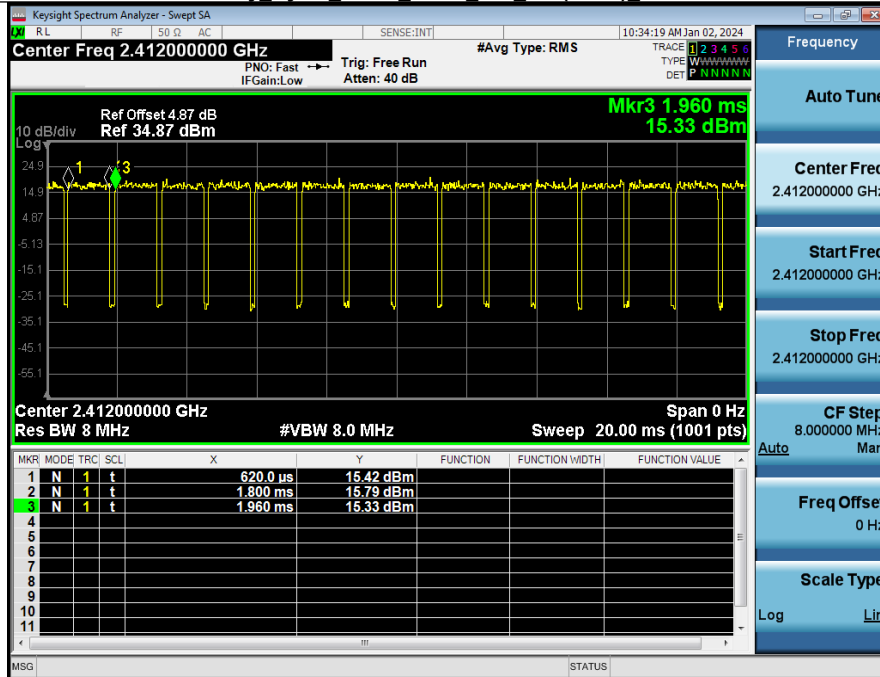
Duty Cycle NVNT ANT1_802_11g_2437



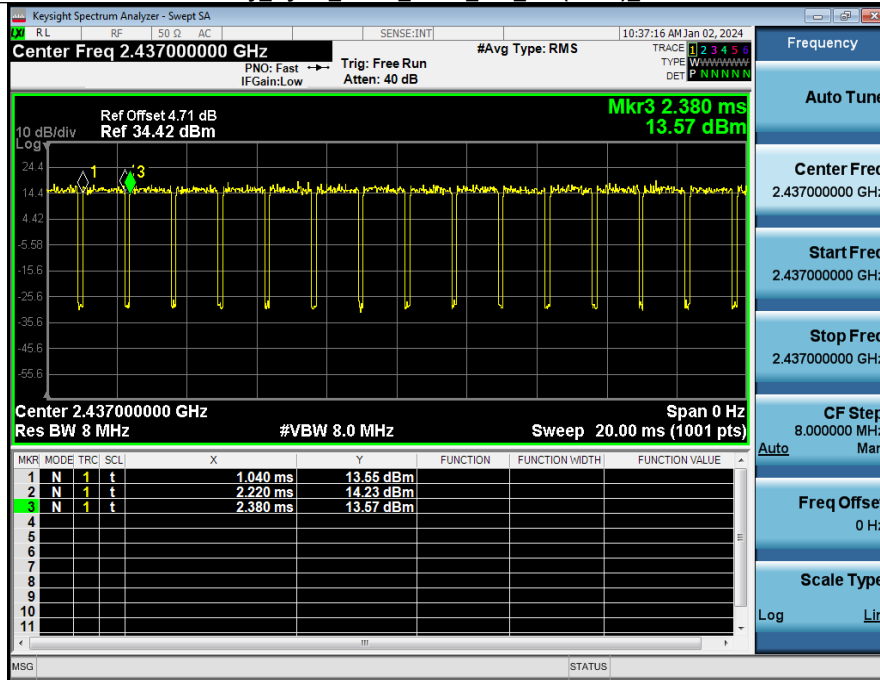
Duty Cycle NVNT_ANT1_802_11g_2462



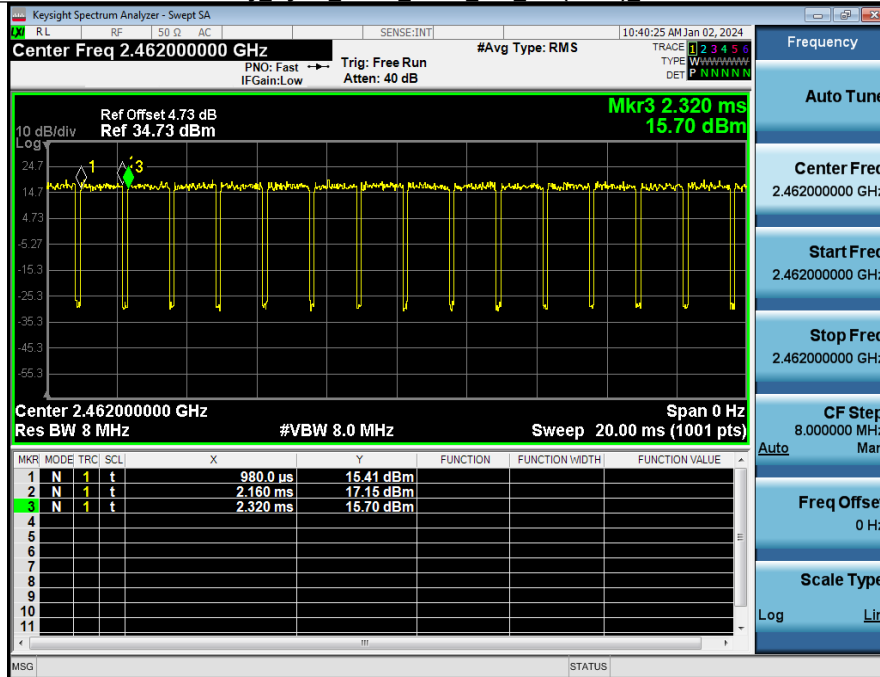
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



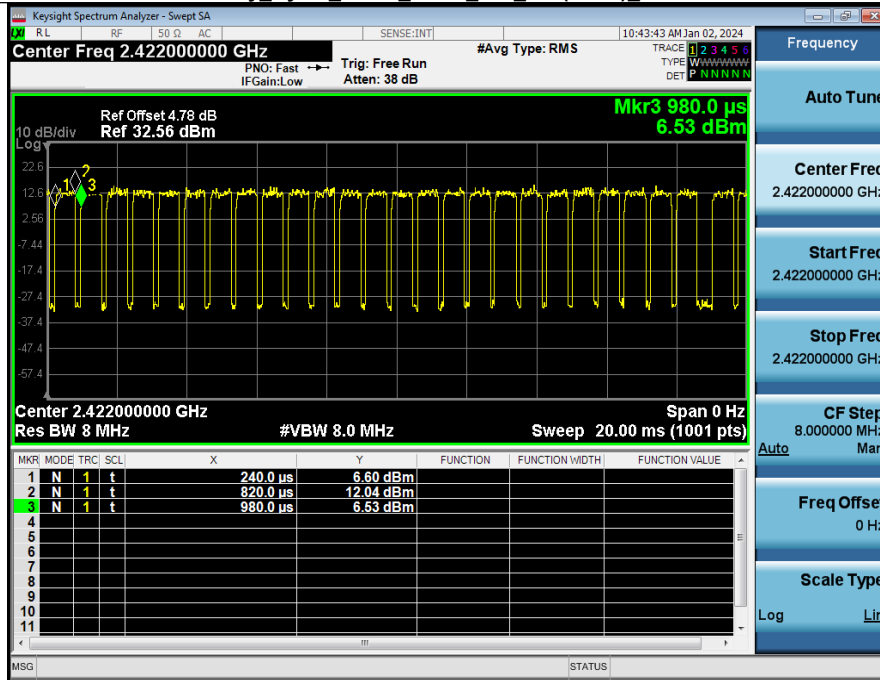
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



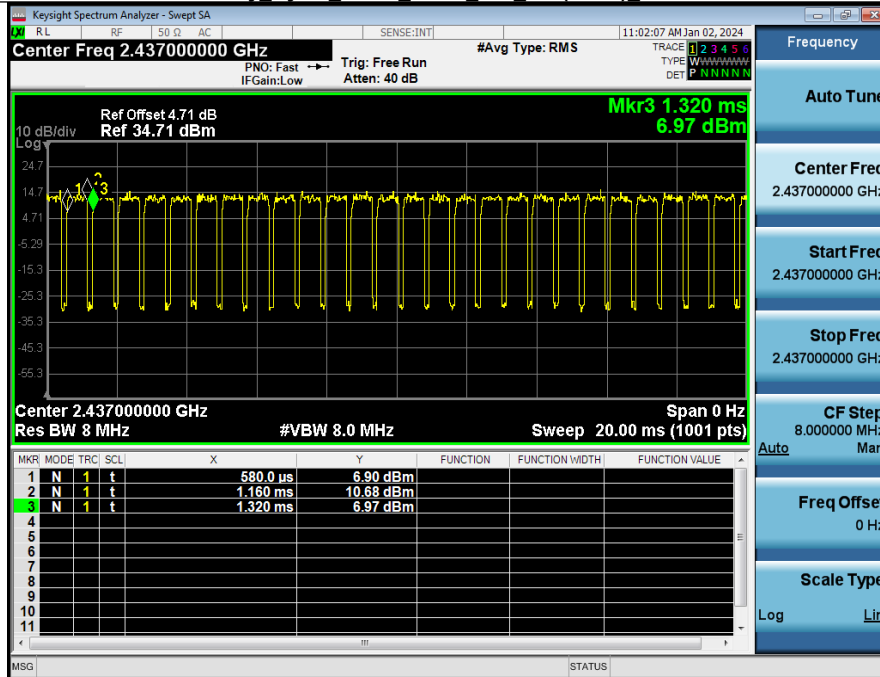
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



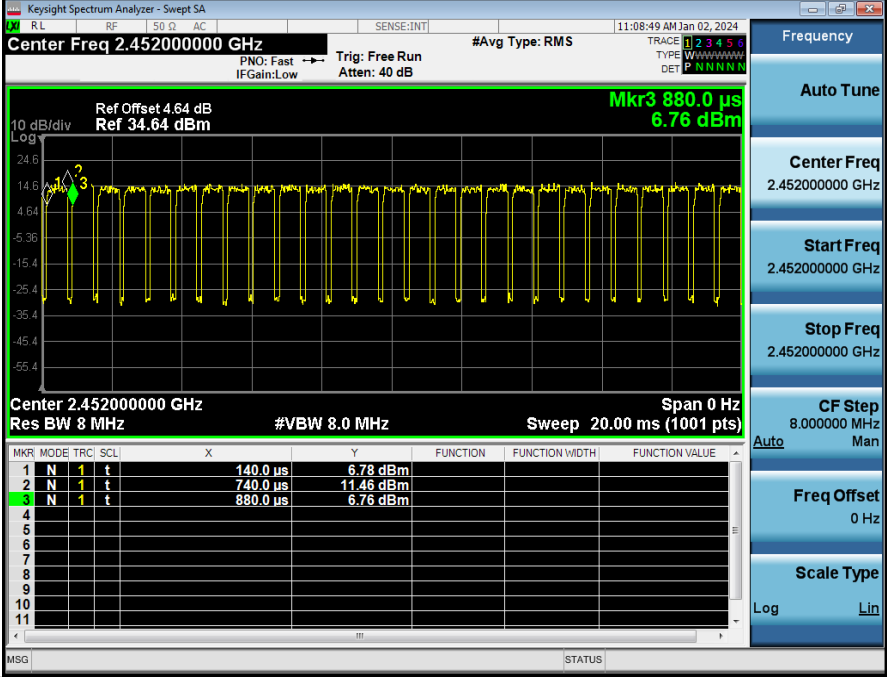
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	3.76	-10.00	-6.24	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.01	-10.00	-10.01	8	Pass
NVNT	ANT1	802.11b	2462.00	1.76	-10.00	-8.24	8	Pass
NVNT	ANT1	802.11g	2412.00	-1.34	-10.00	-11.34	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.73	-10.00	-12.73	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.97	-10.00	-11.97	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-2.35	-10.00	-12.36	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.56	-10.00	-13.56	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-2.35	-10.00	-12.35	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-7.80	-10.00	-17.80	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-7.53	-10.00	-17.53	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-6.15	-10.00	-16.15	8	Pass



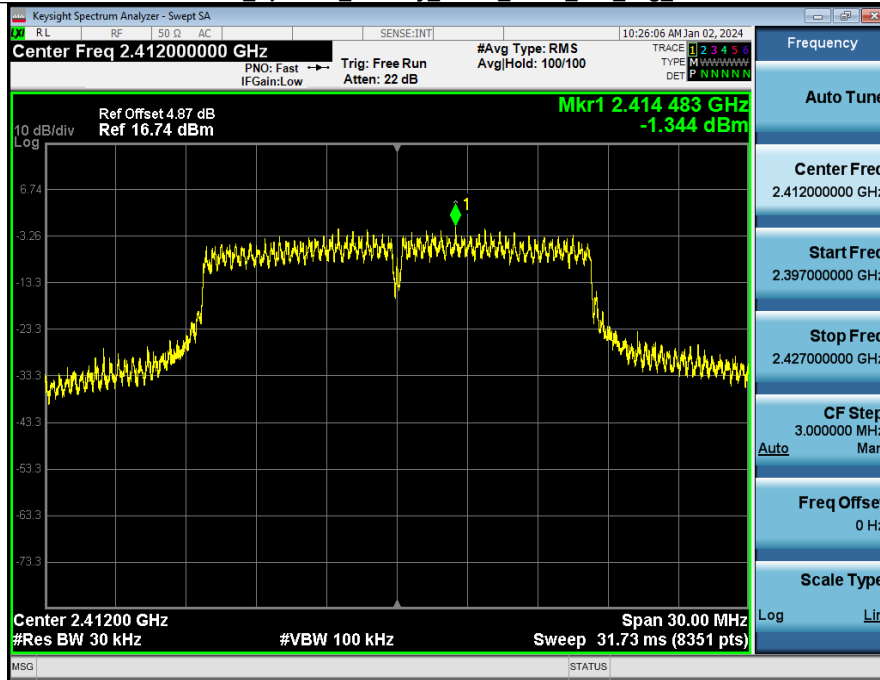
Power Spectral Density NVNT_ANT1_802_11b_2437



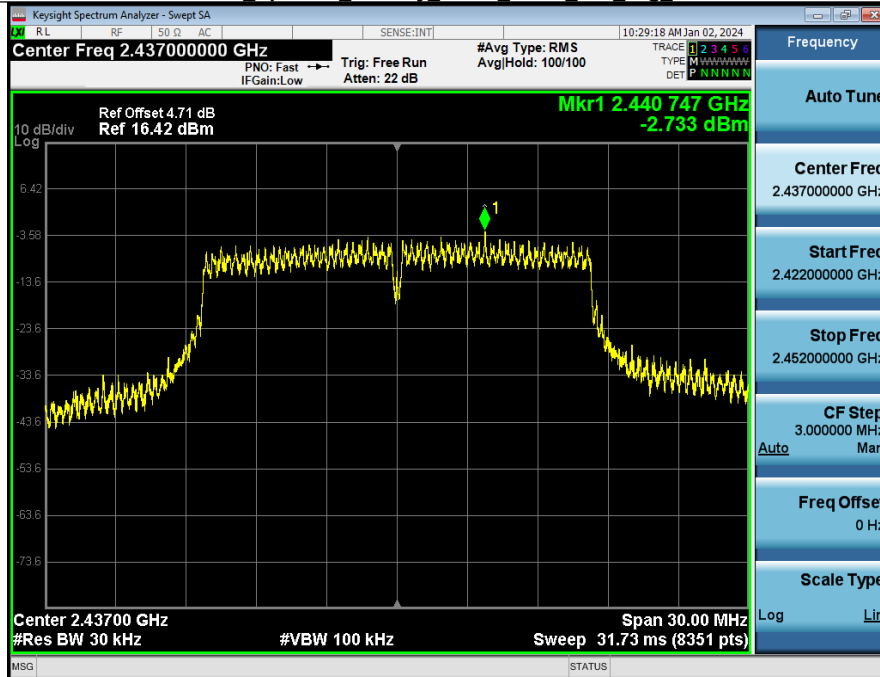
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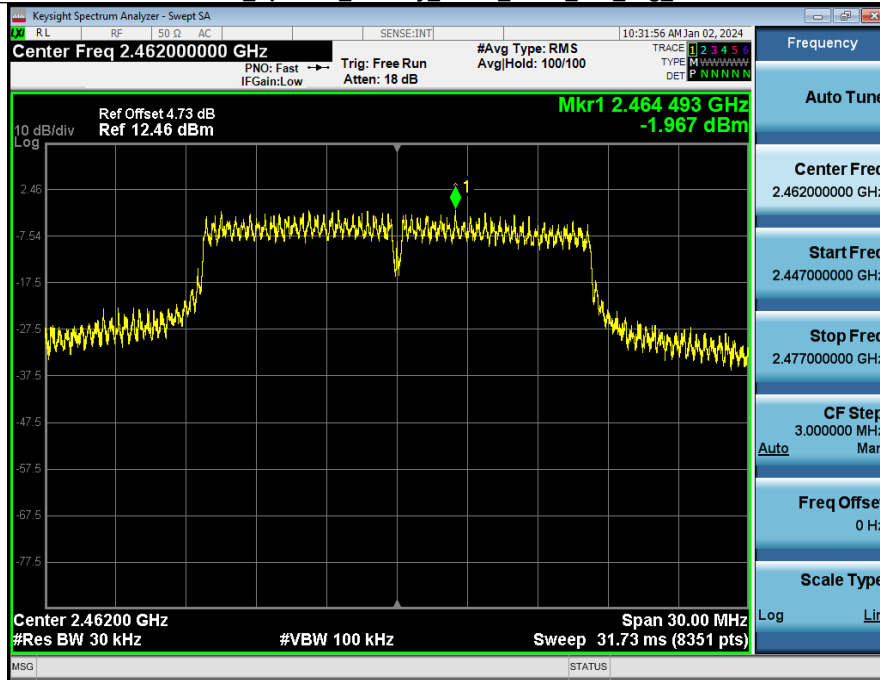
Power Spectral Density NVNT_ANT1_802_11g_2412



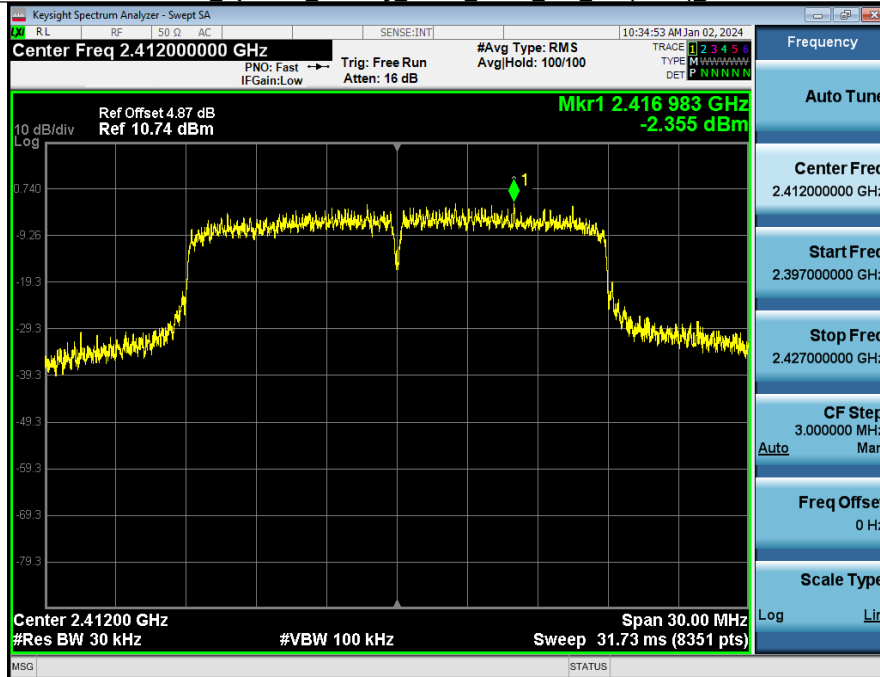
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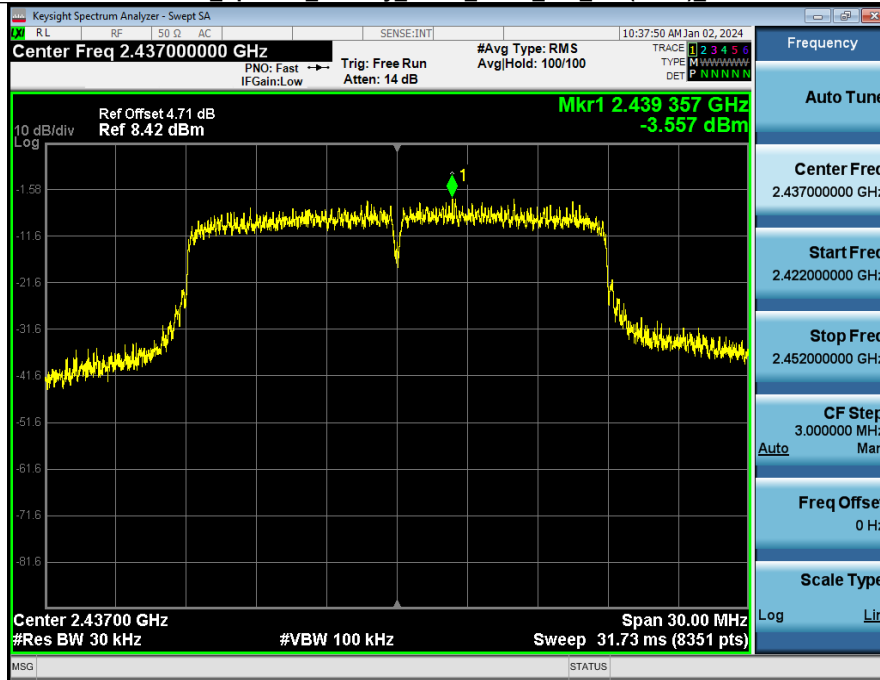
Power Spectral Density NVNT_ANT1_802_11g_2462



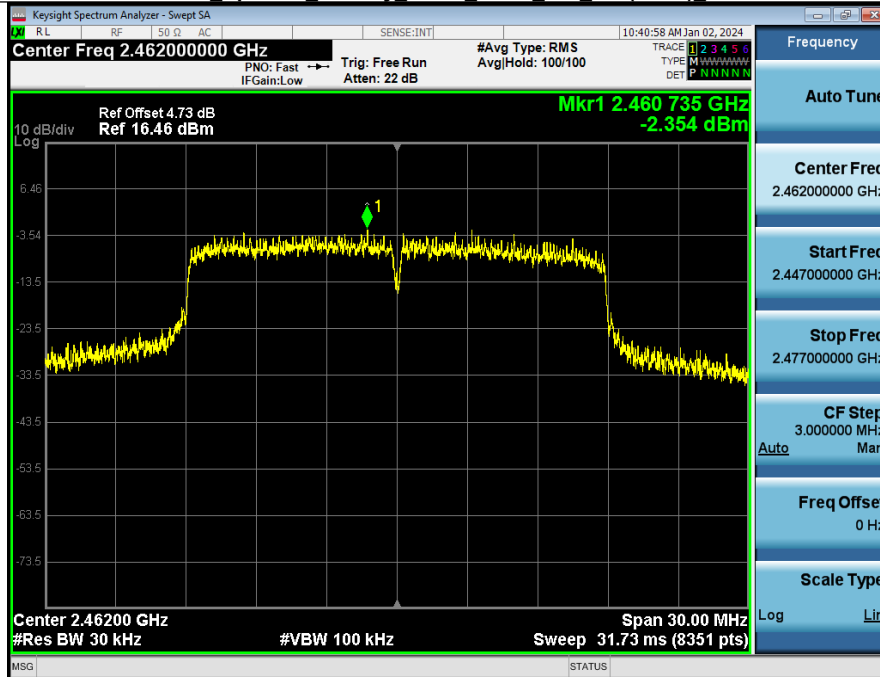
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2412



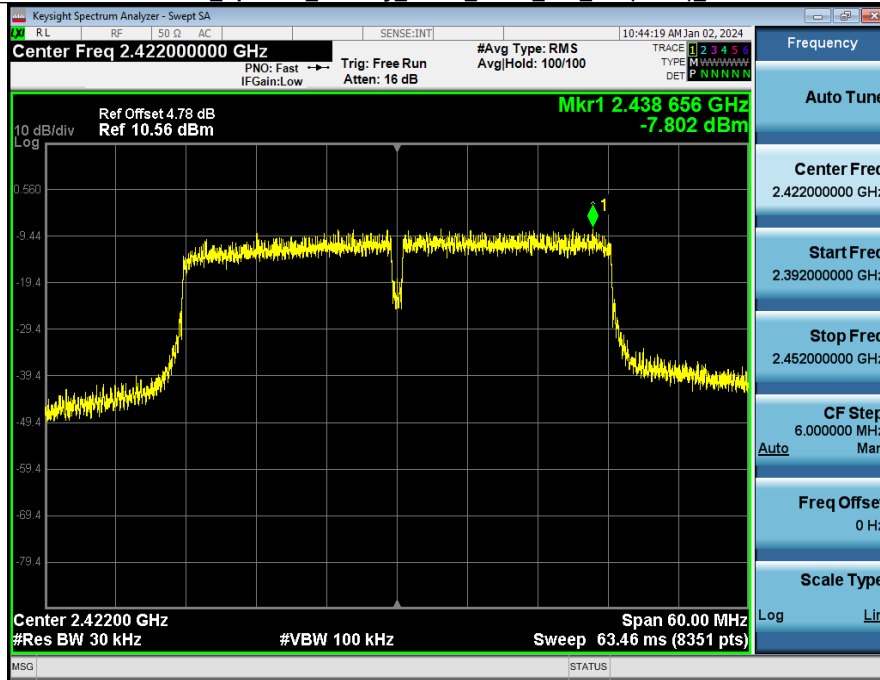
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2437



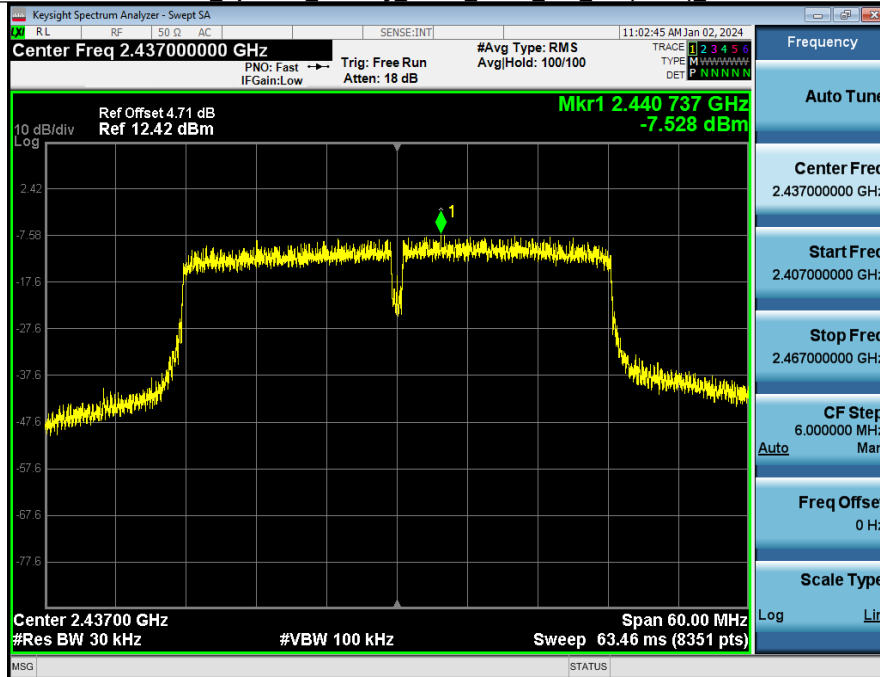
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2462



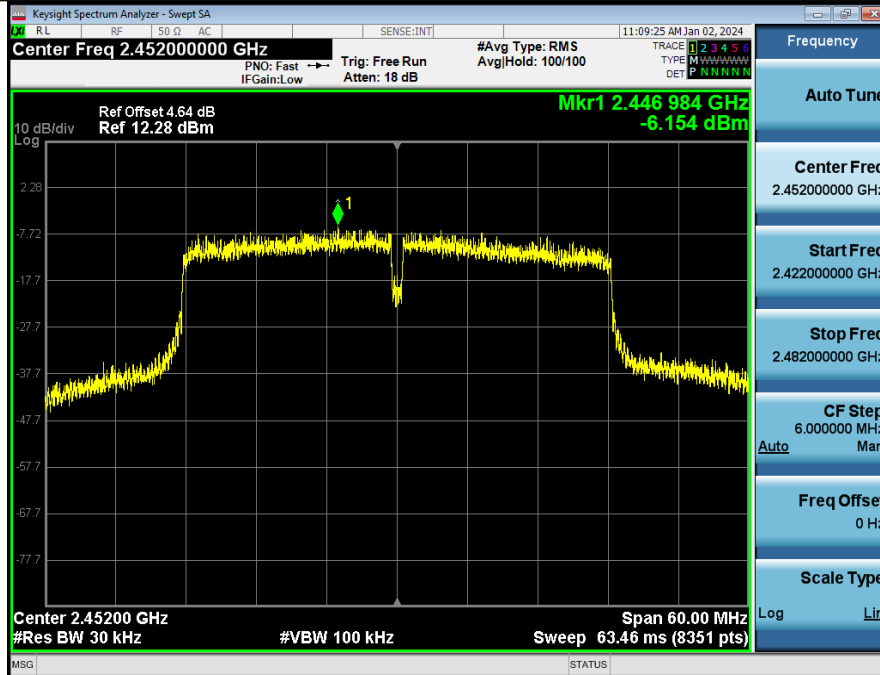
Power Spectral Density NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2437

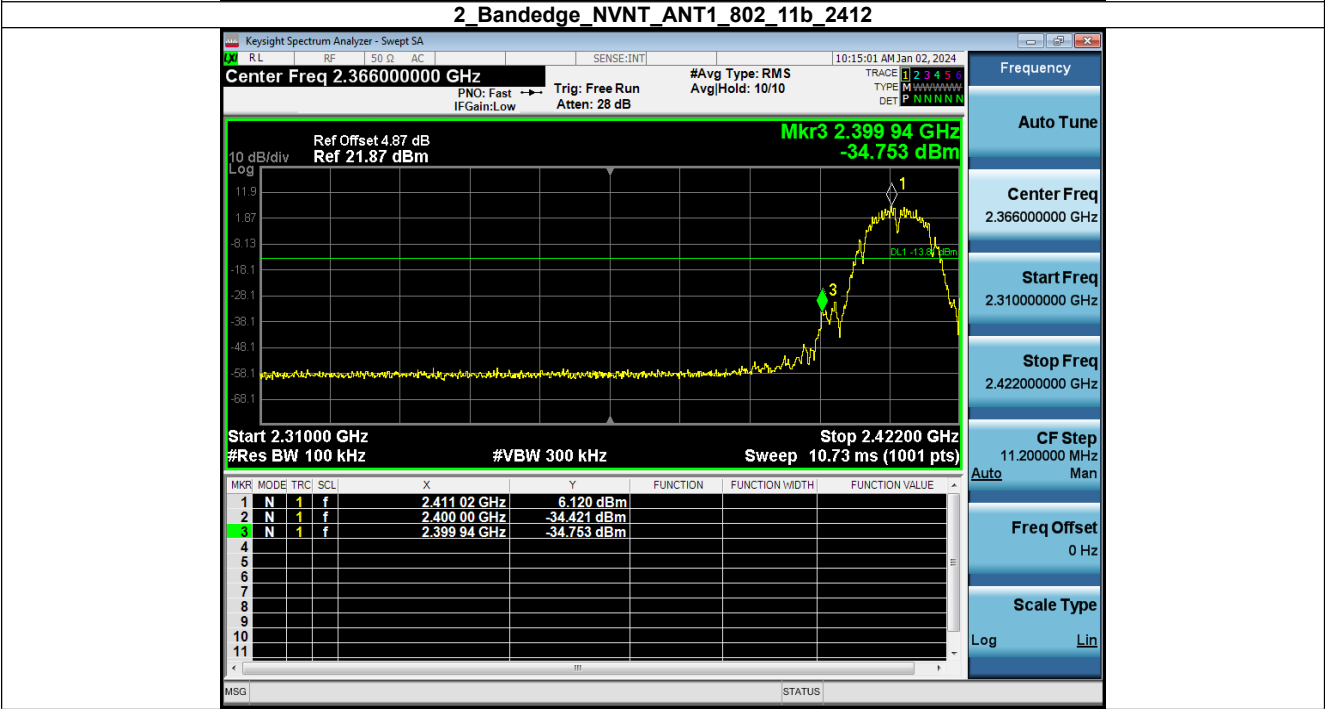


Power Spectral Density NVNT_ANT1_802_11n(HT40)_2452



6. 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	-34.753	-13.808	Pass
NVNT	ANT1	802.11b	2462.00	2486.224	-55.592	-14.207	Pass
NVNT	ANT1	802.11g	2412.00	2399.152	-24.220	-16.956	Pass
NVNT	ANT1	802.11g	2462.00	2483.680	-36.013	-16.980	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.032	-26.009	-17.826	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.536	-33.943	-17.399	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-33.690	-22.594	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.884	-33.337	-20.882	Pass



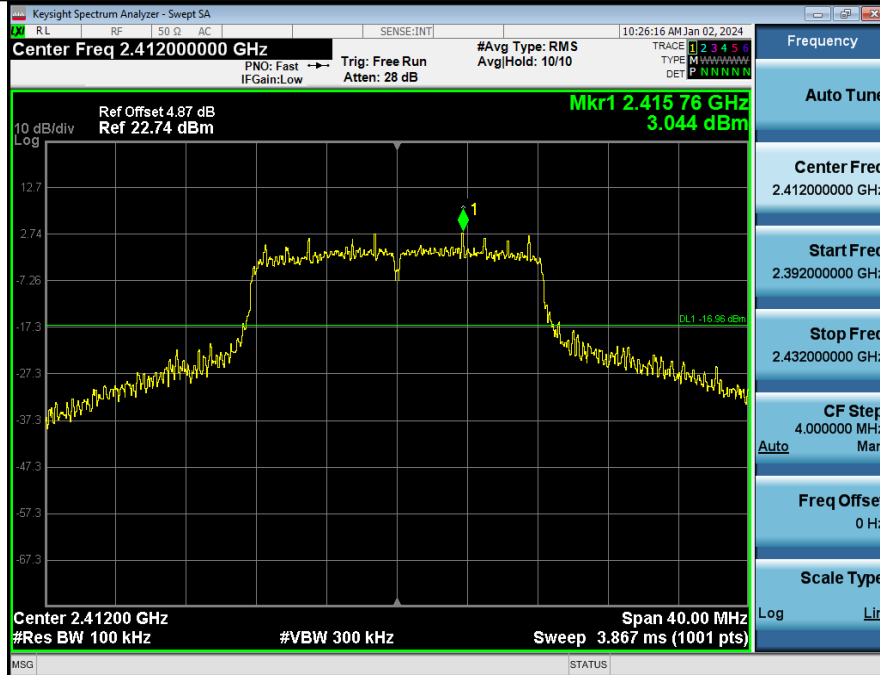
1 Reference Level_NVNT_ANT1_802_11b_2462



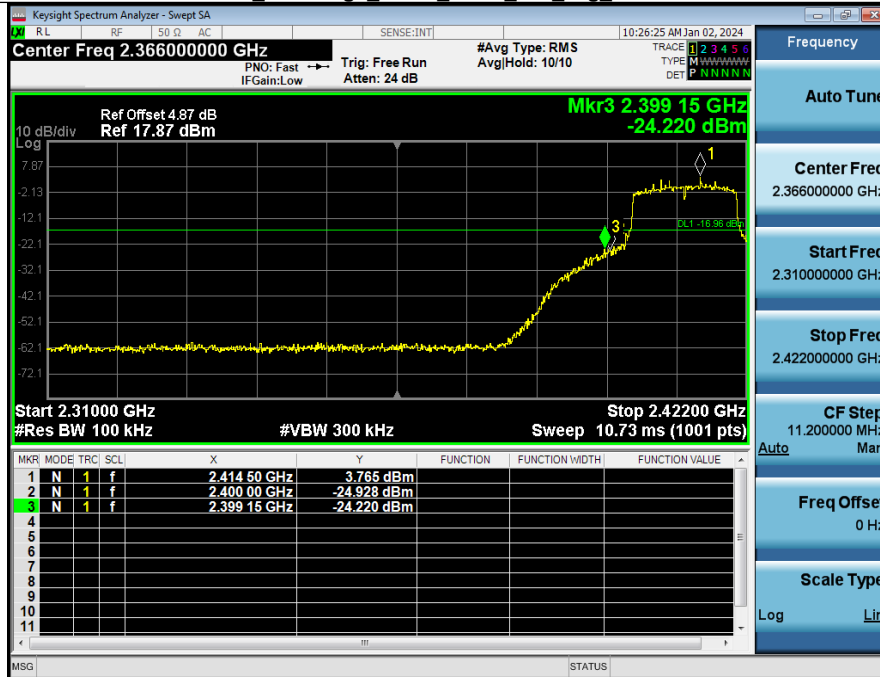
2 Bandedge_NVNT_ANT1_802_11b_2462



1_Reference_Level_NVNT_ANT1_802_11g_2412



2_Bandedge_NVNT_ANT1_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2462



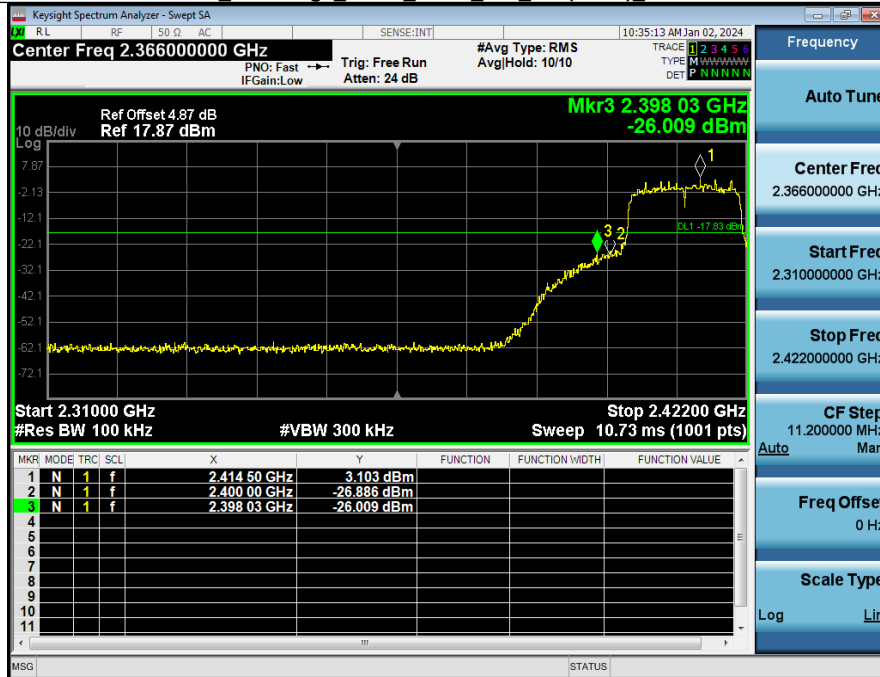
2_Bandedge_NVNT_ANT1_802_11g_2462



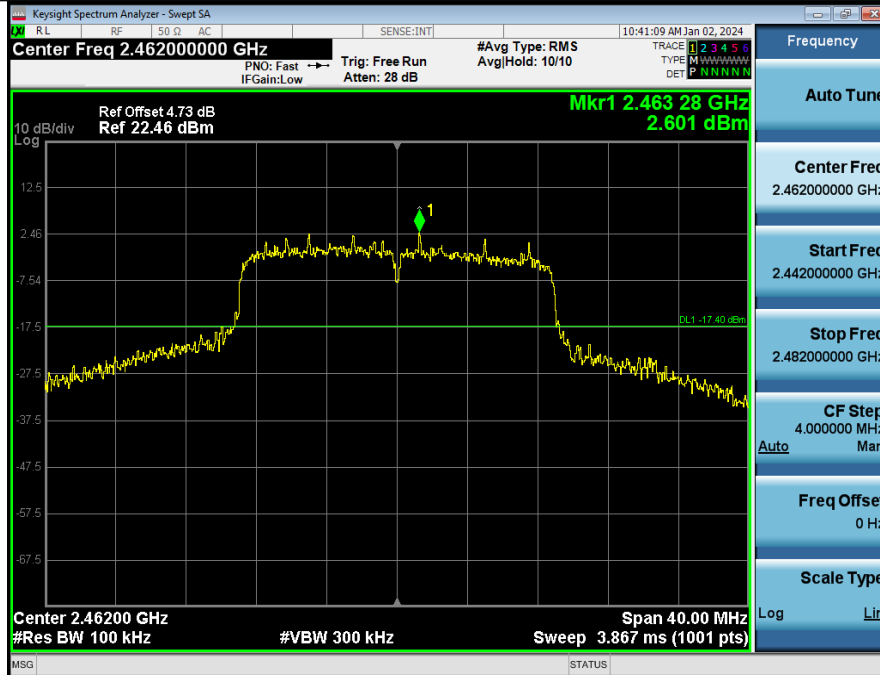
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



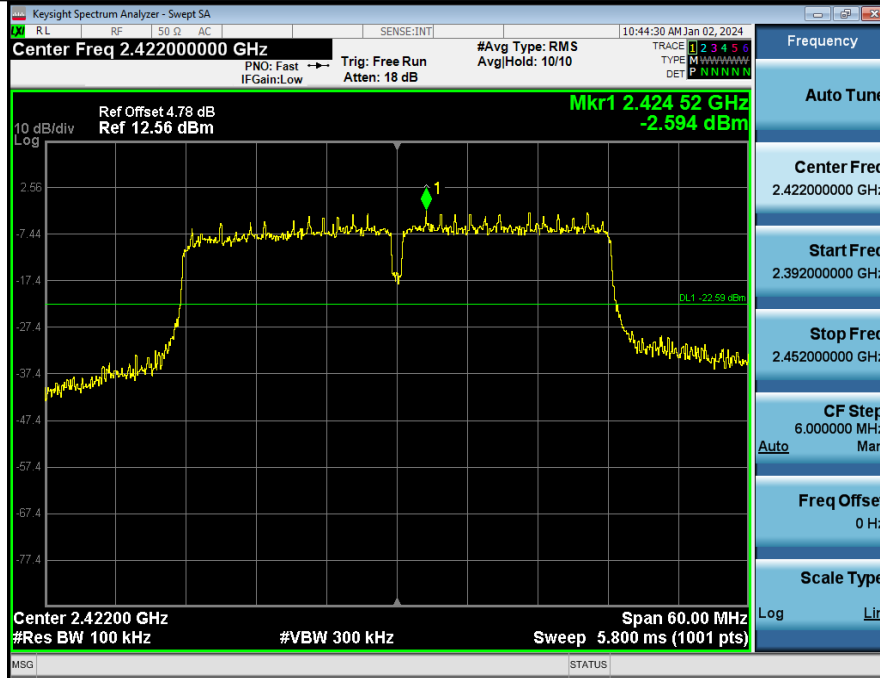
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



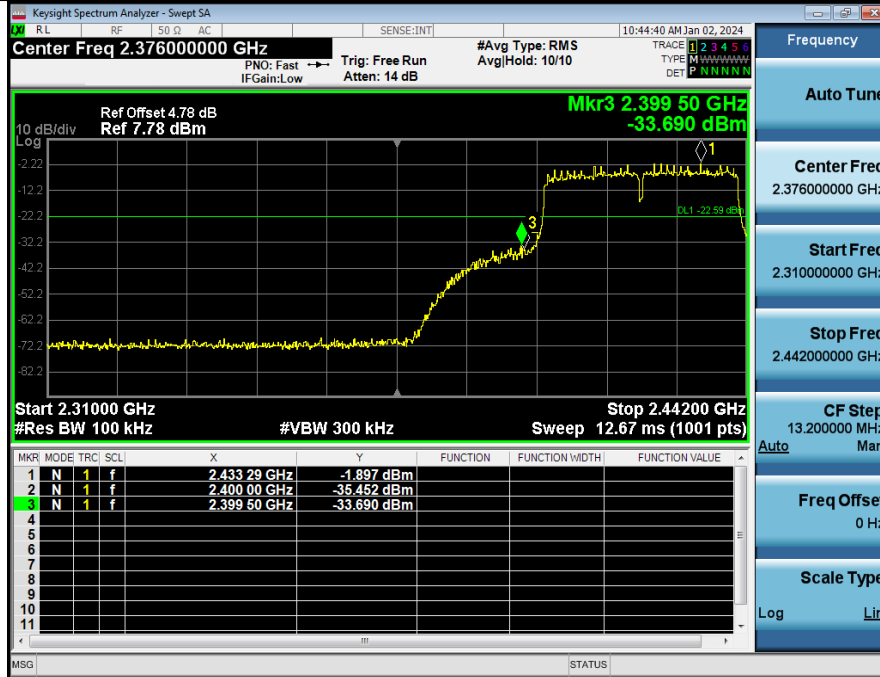
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



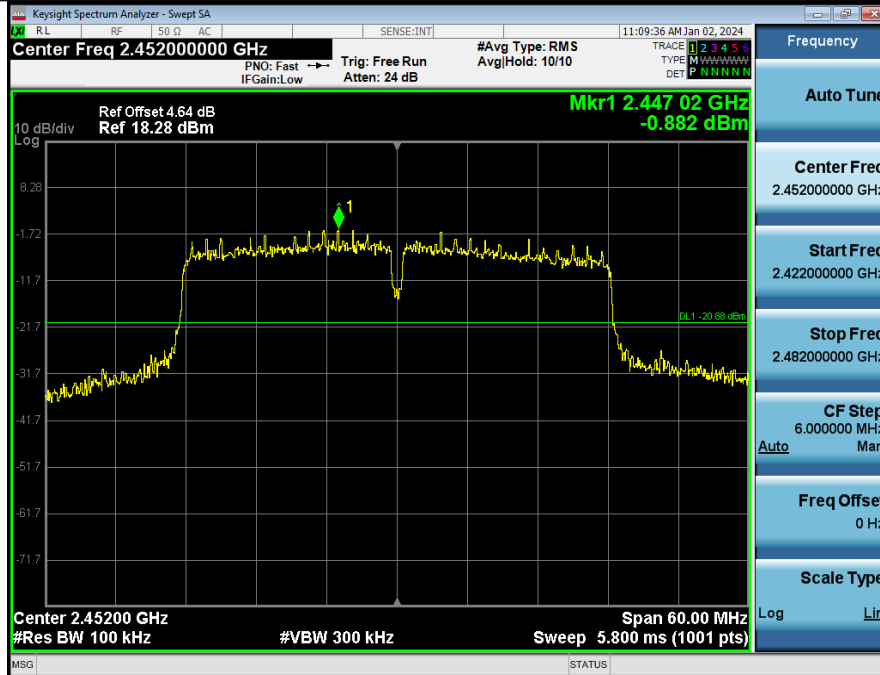
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

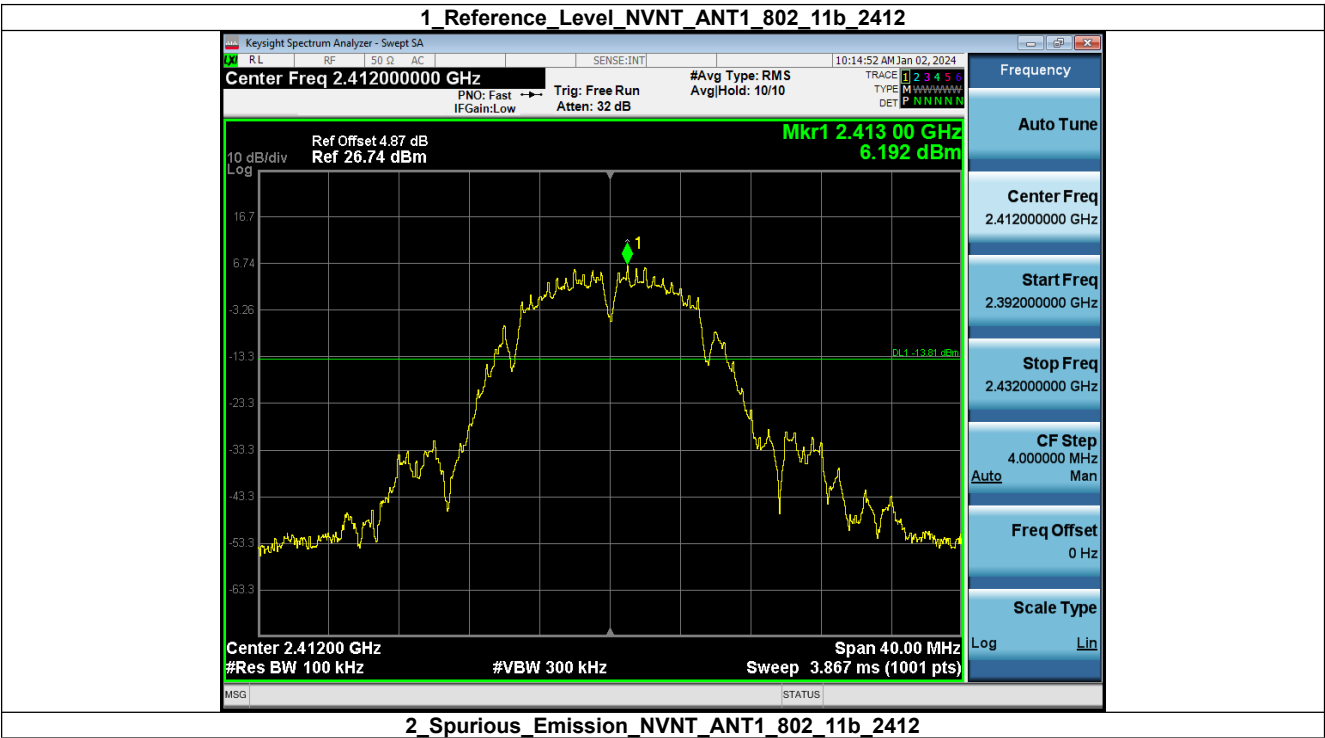


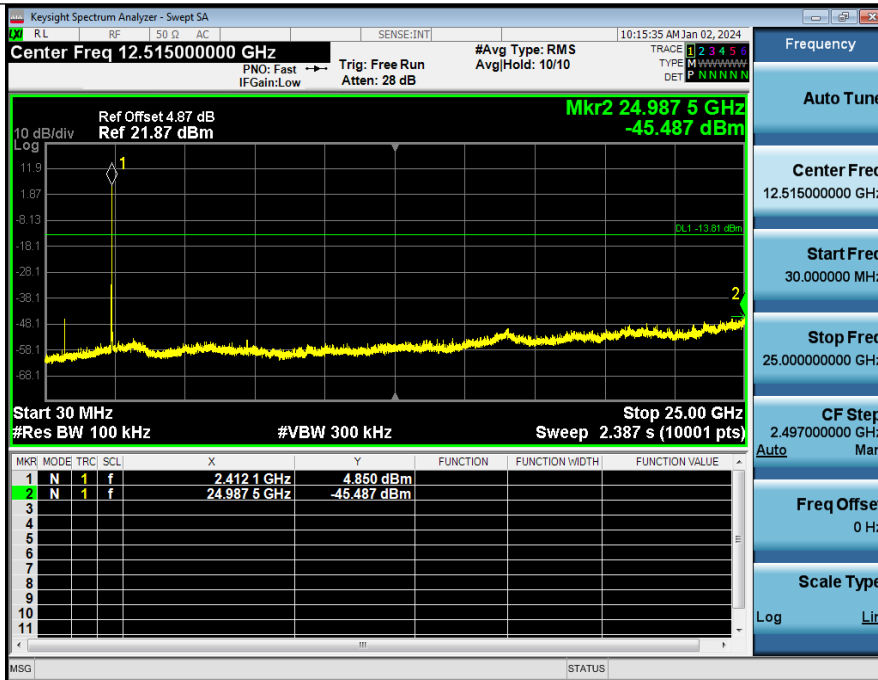
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24987.515	-45.487	-13.808	Pass
NVNT	ANT1	802.11b	2437.00	2576.940	-47.441	-16.172	Pass
NVNT	ANT1	802.11b	2462.00	24955.054	-48.291	-14.207	Pass
NVNT	ANT1	802.11g	2412.00	726.663	-35.963	-16.956	Pass
NVNT	ANT1	802.11g	2437.00	704.190	-33.676	-19.402	Pass
NVNT	ANT1	802.11g	2462.00	24952.557	-49.383	-16.980	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	724.166	-43.861	-17.826	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24960.048	-52.638	-19.980	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24972.533	-49.297	-17.399	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2674.323	-41.590	-22.594	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24982.521	-59.873	-22.570	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24960.048	-55.087	-20.882	Pass

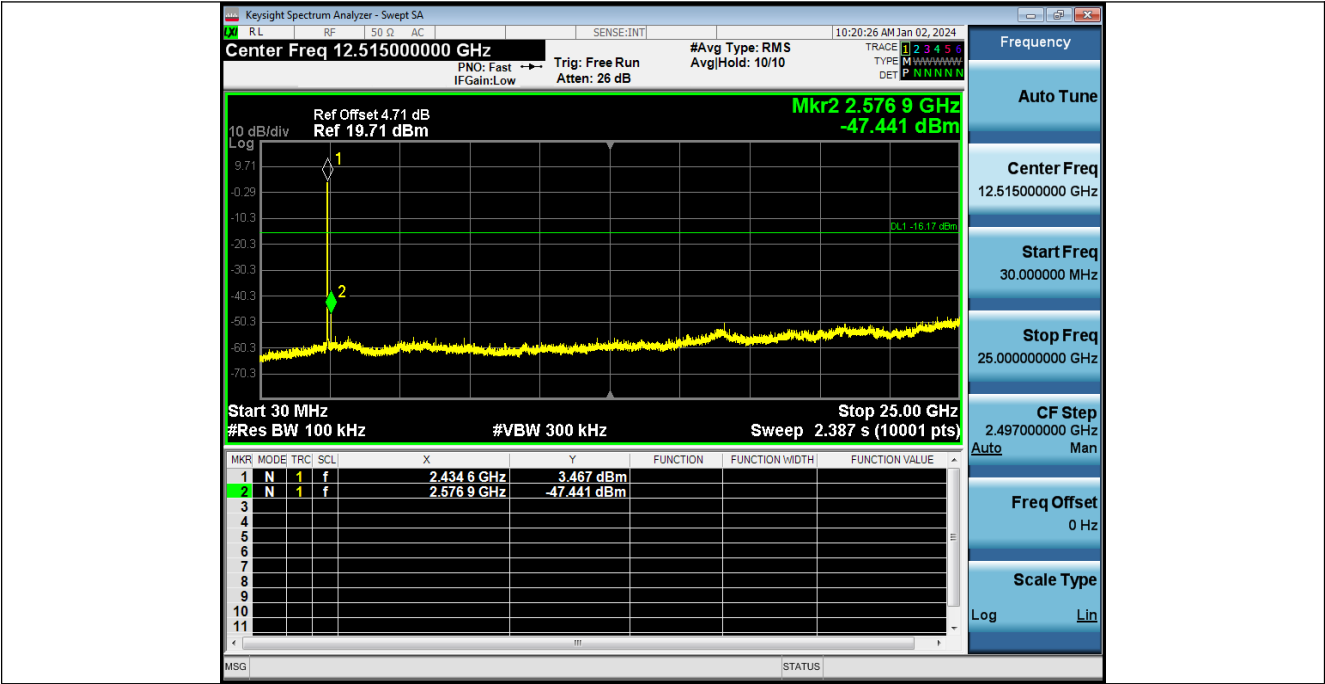




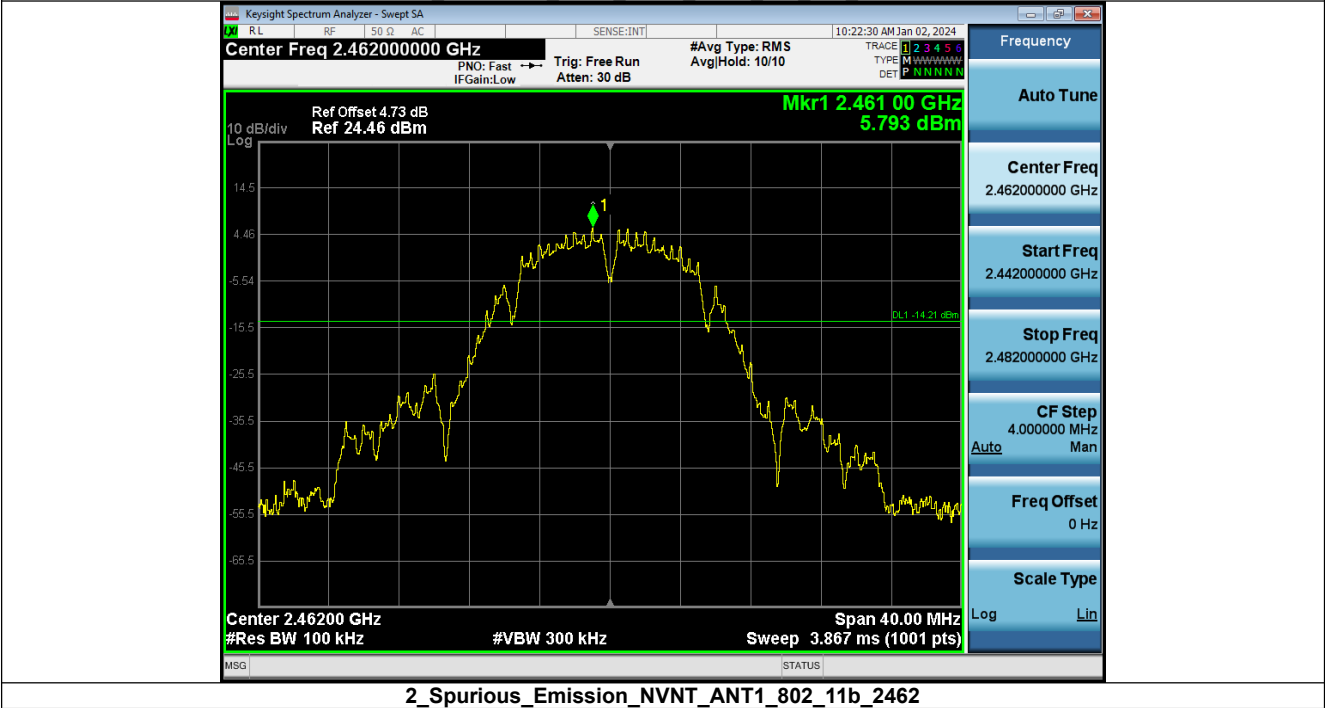
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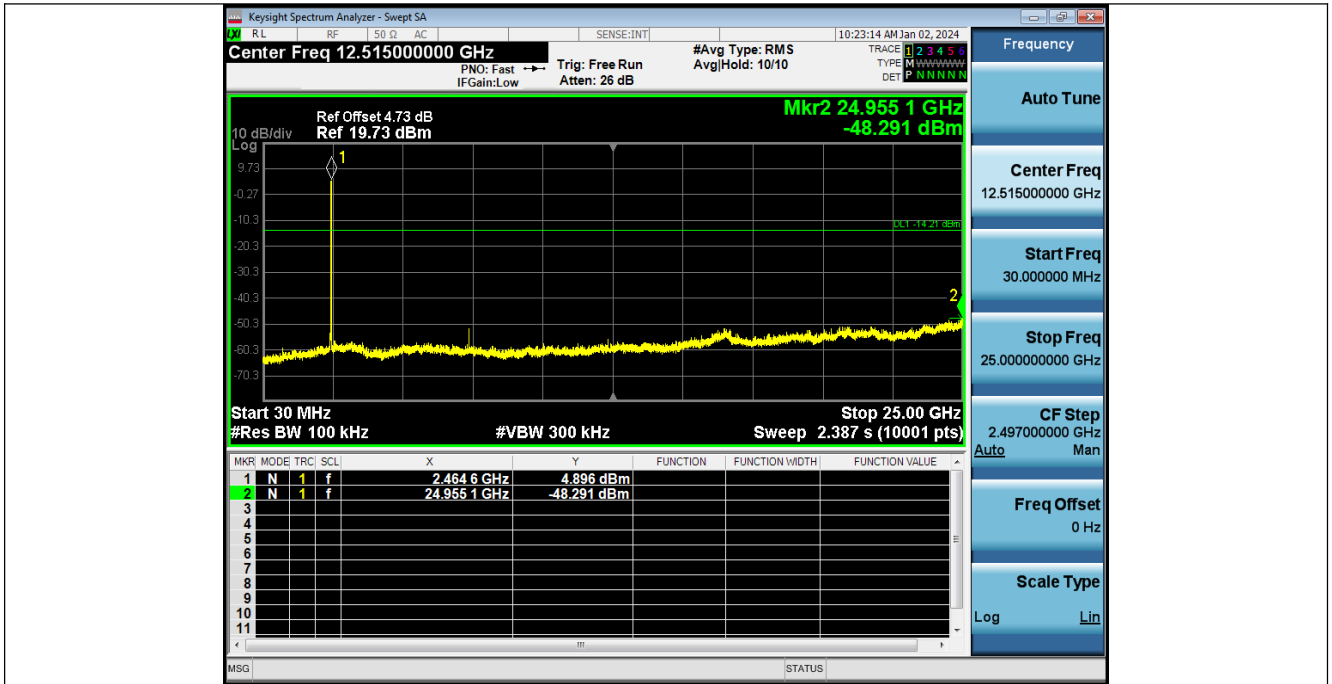
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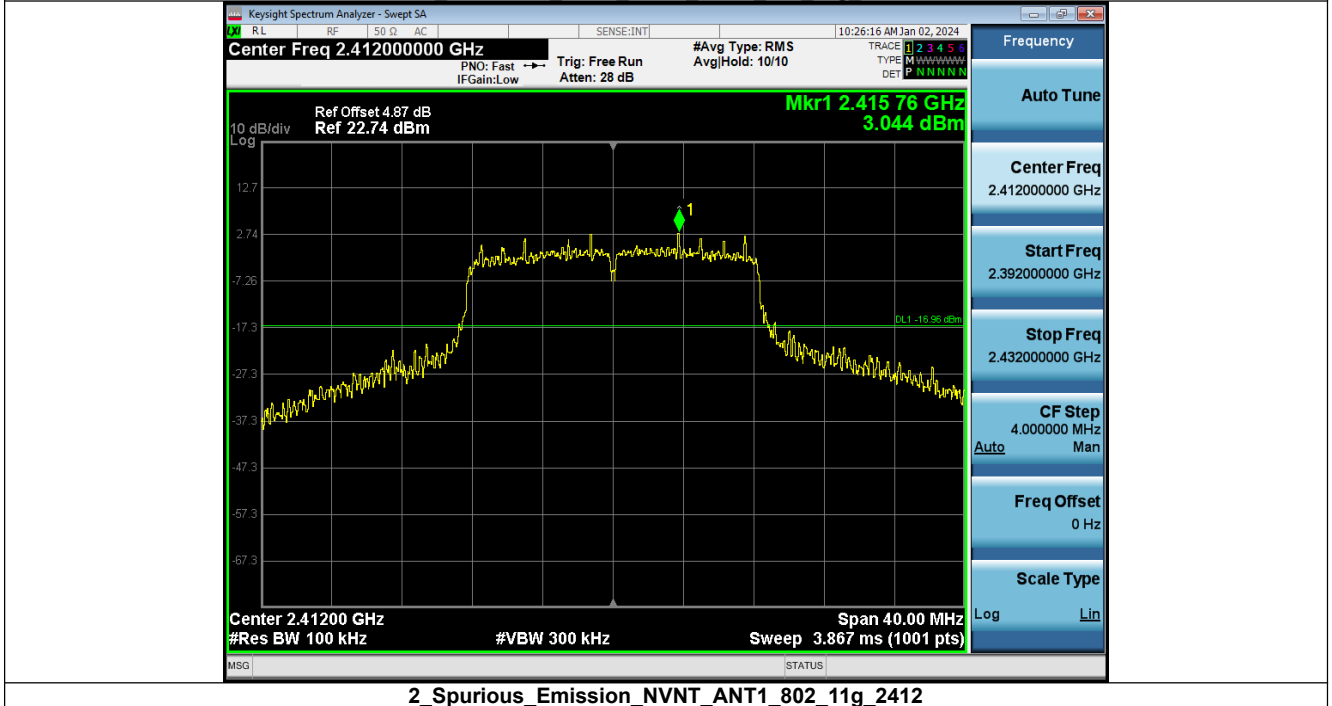
1 Reference Level NVNT_ANT1_802_11b_2462



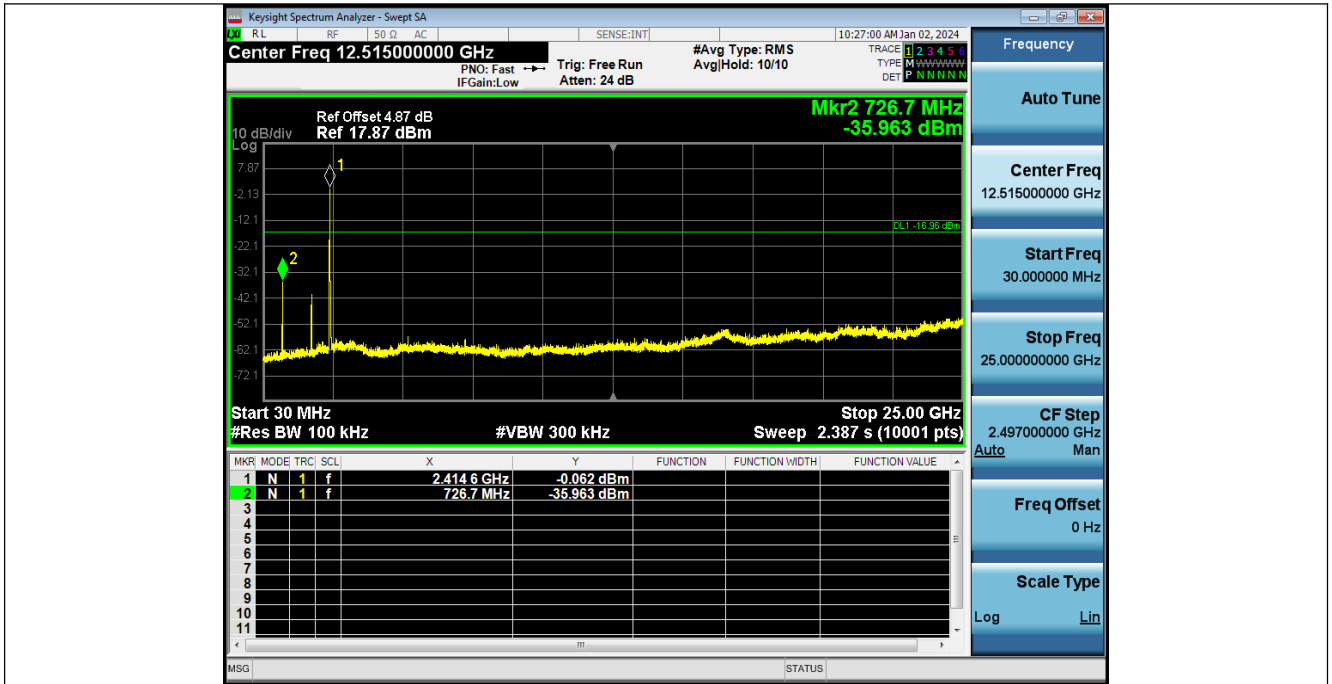
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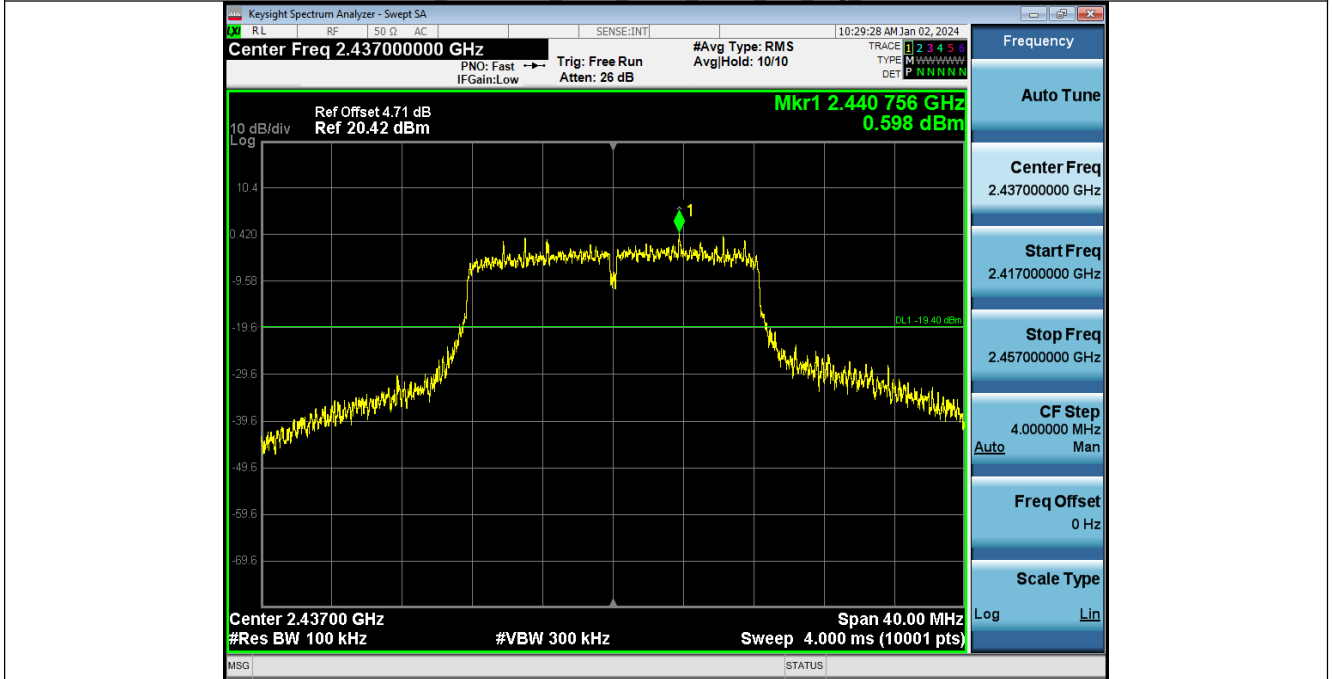
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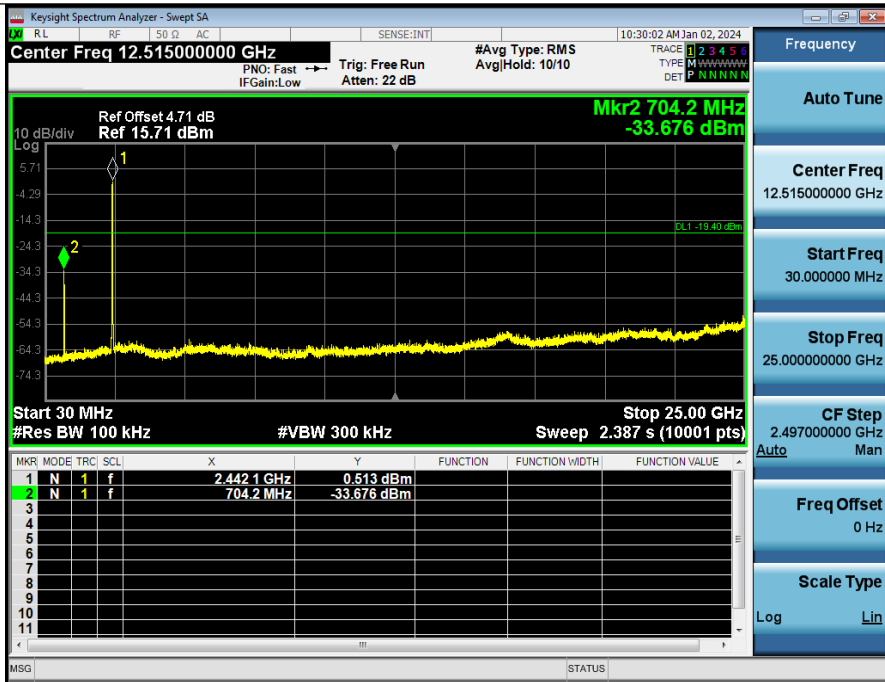
2 Spurious Emission NVNT_ANT1_802_11g_2412



1 Reference_Level_NVNT_ANT1_802_11g_2437



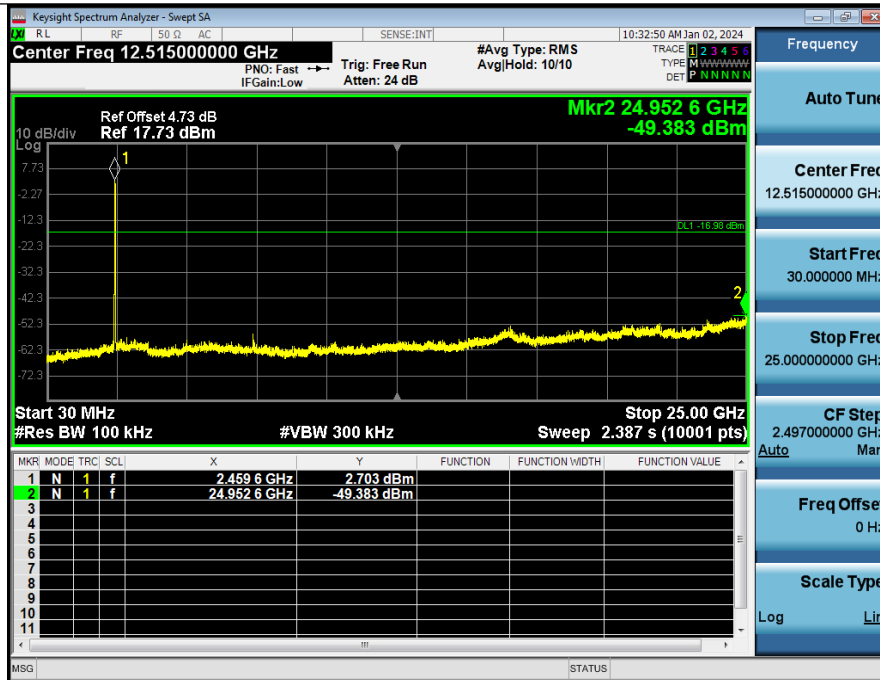
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1 Reference Level NVNT_ANT1_802_11g_2462



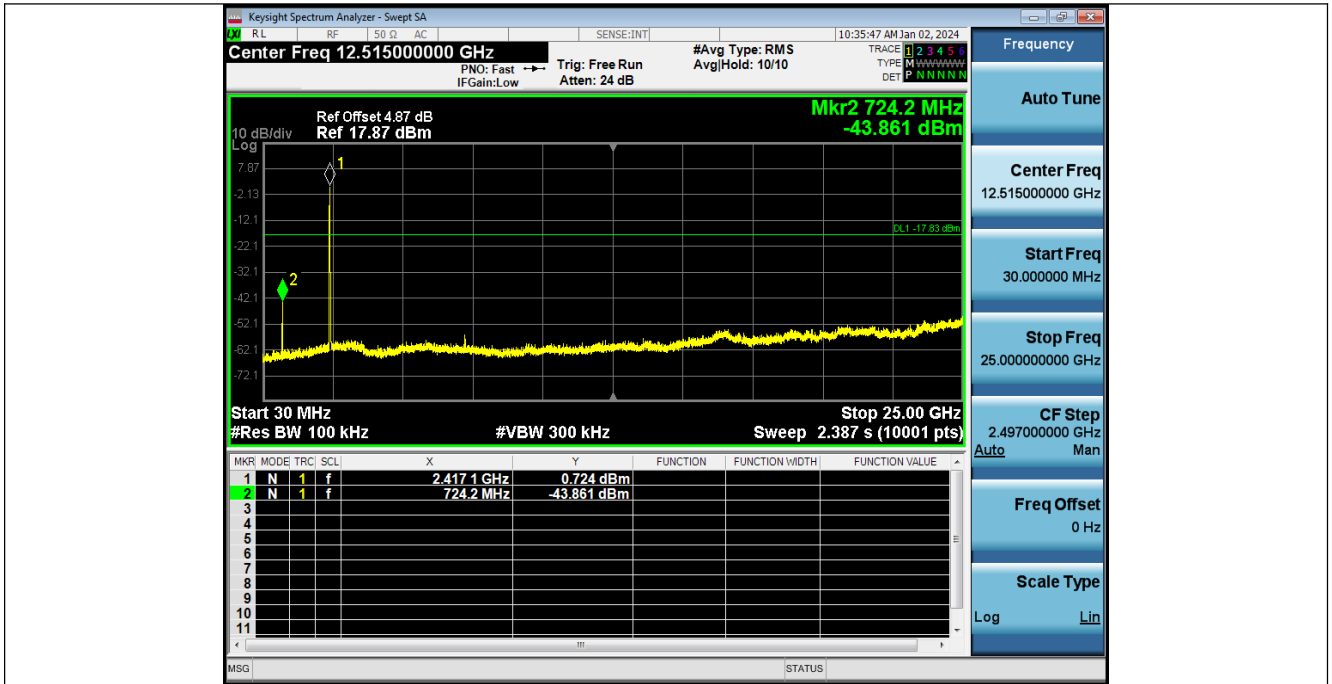
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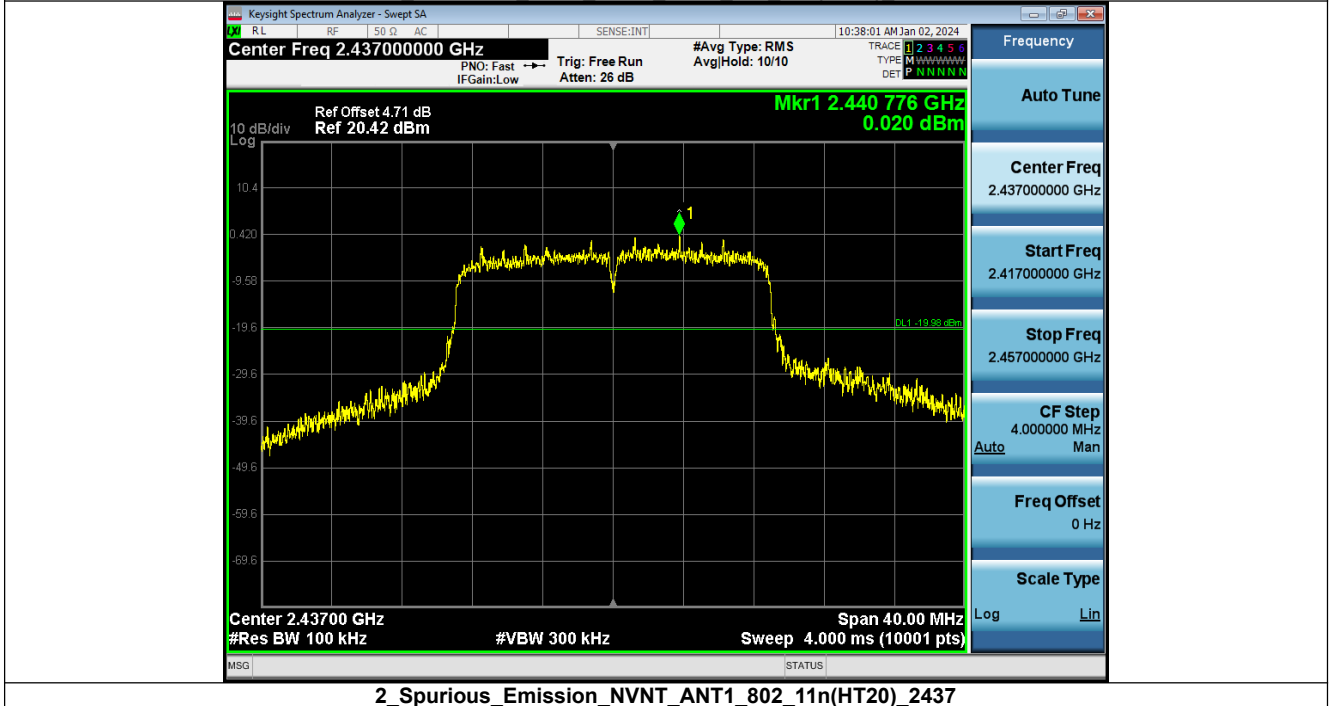
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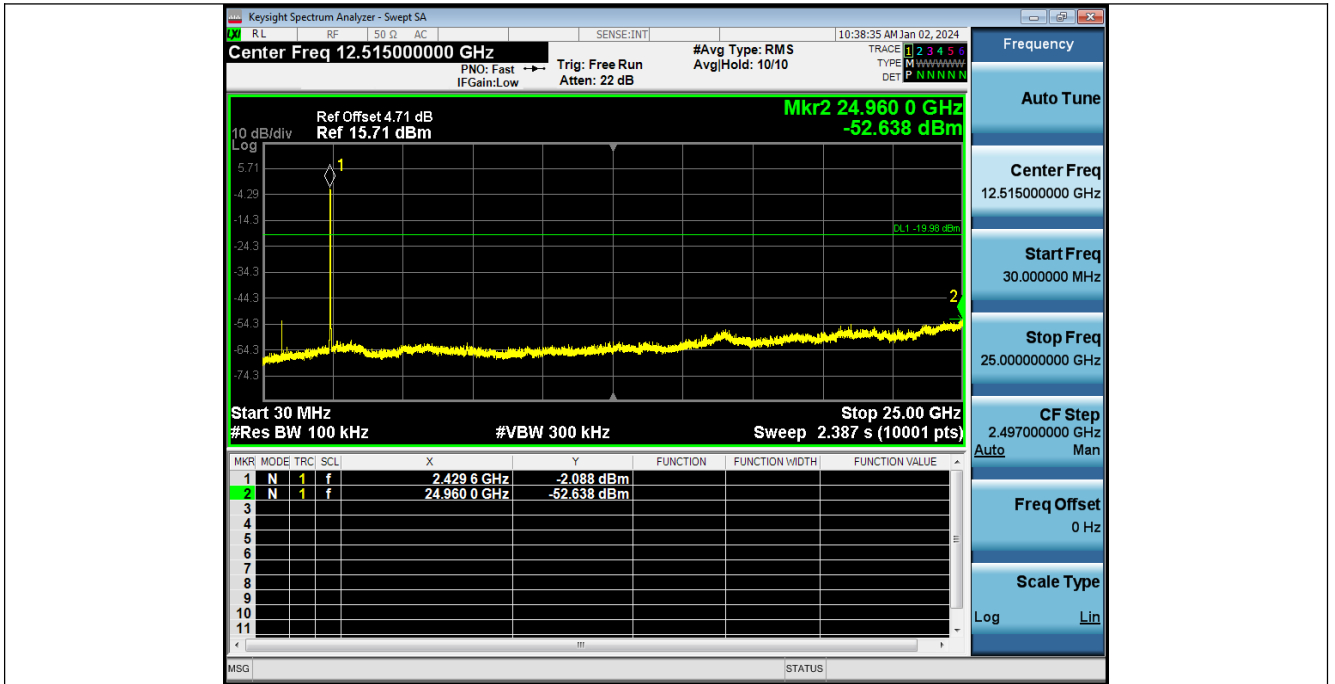
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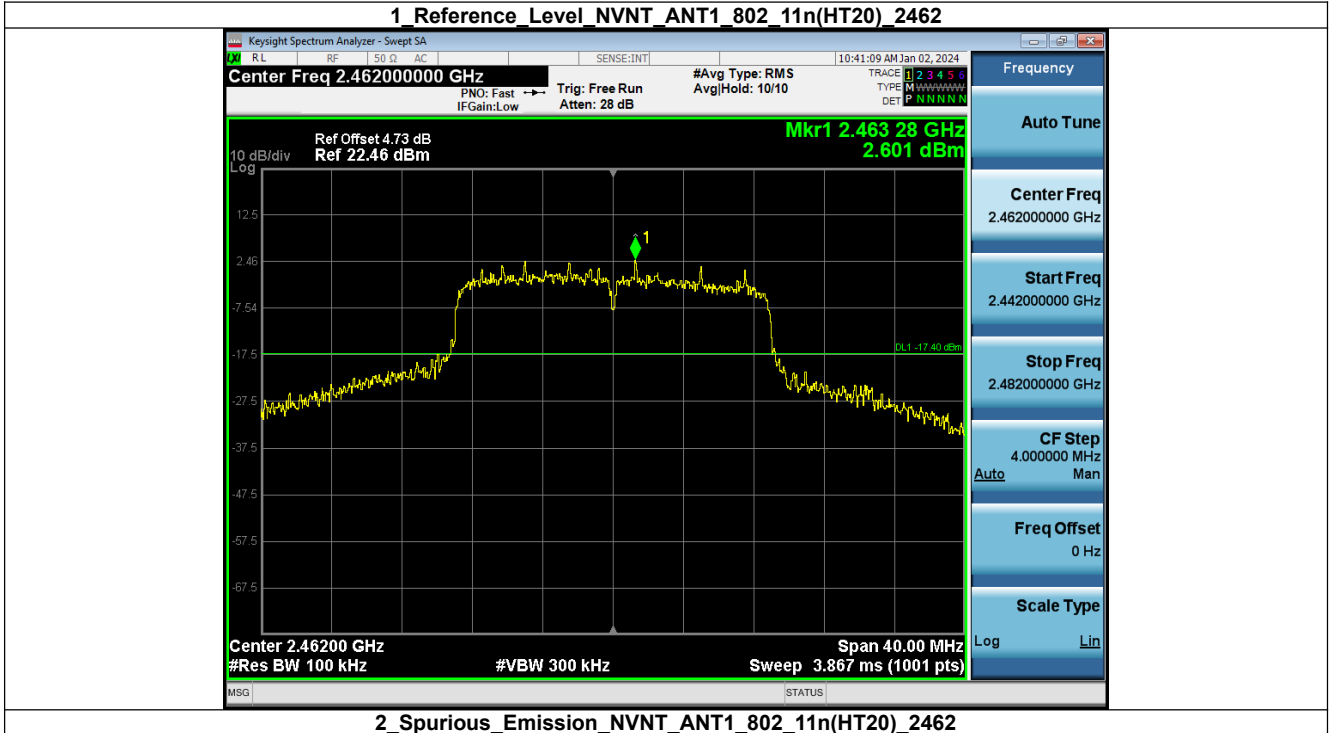
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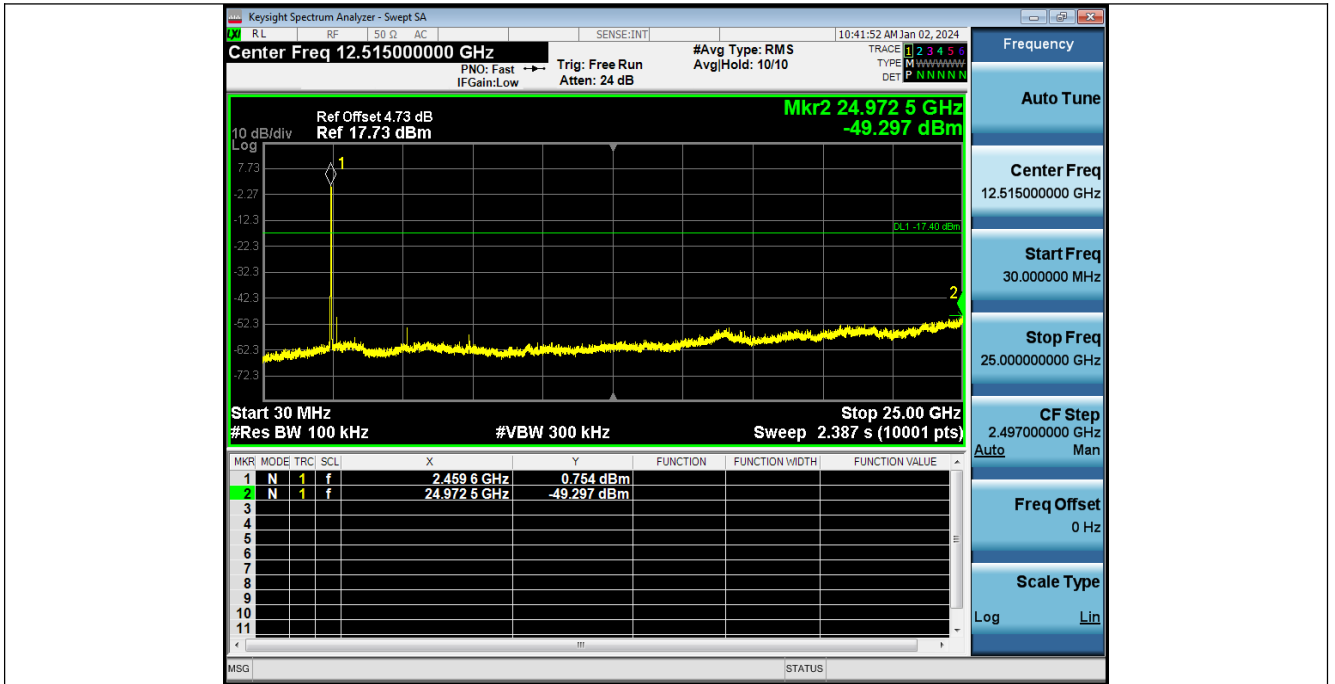
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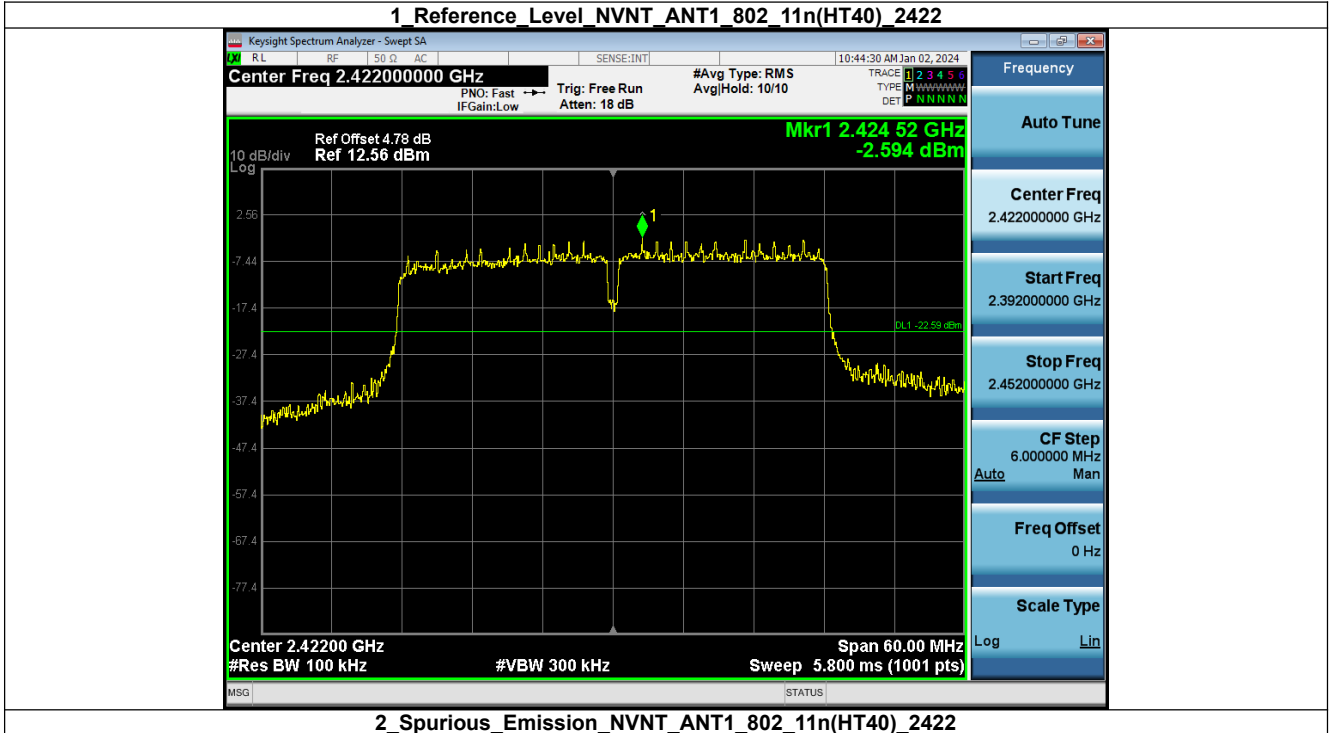
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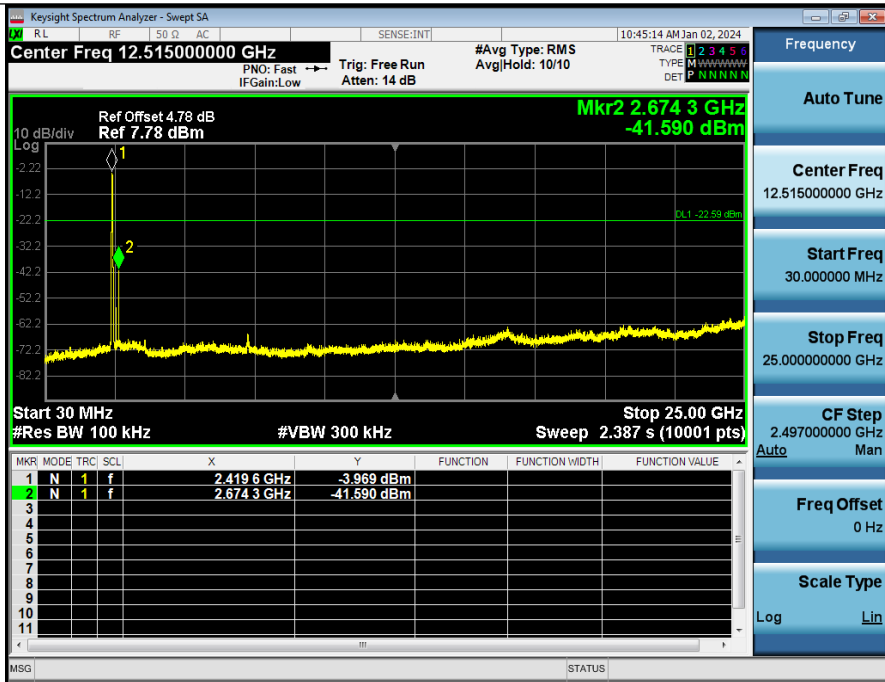
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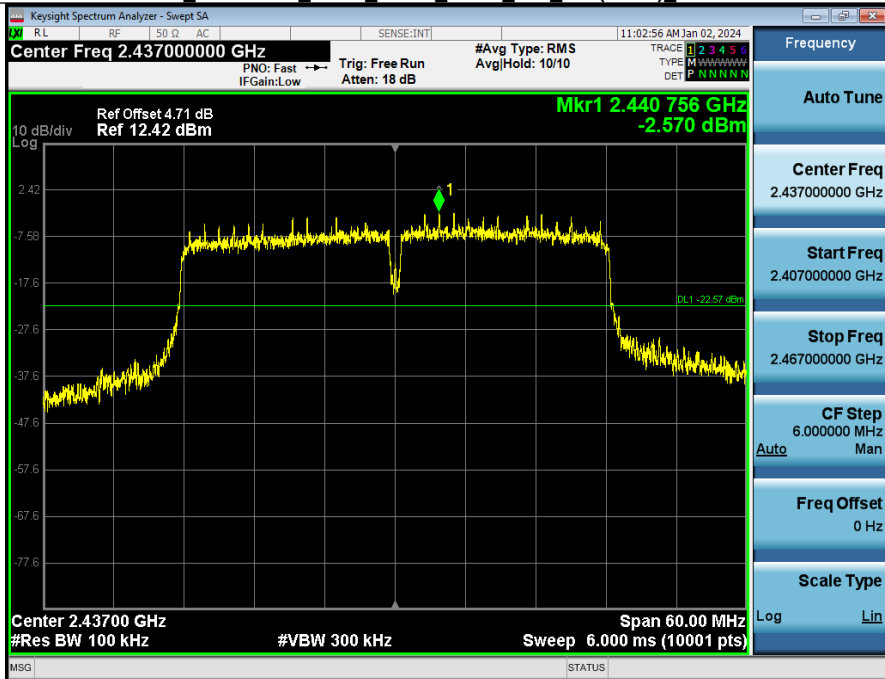
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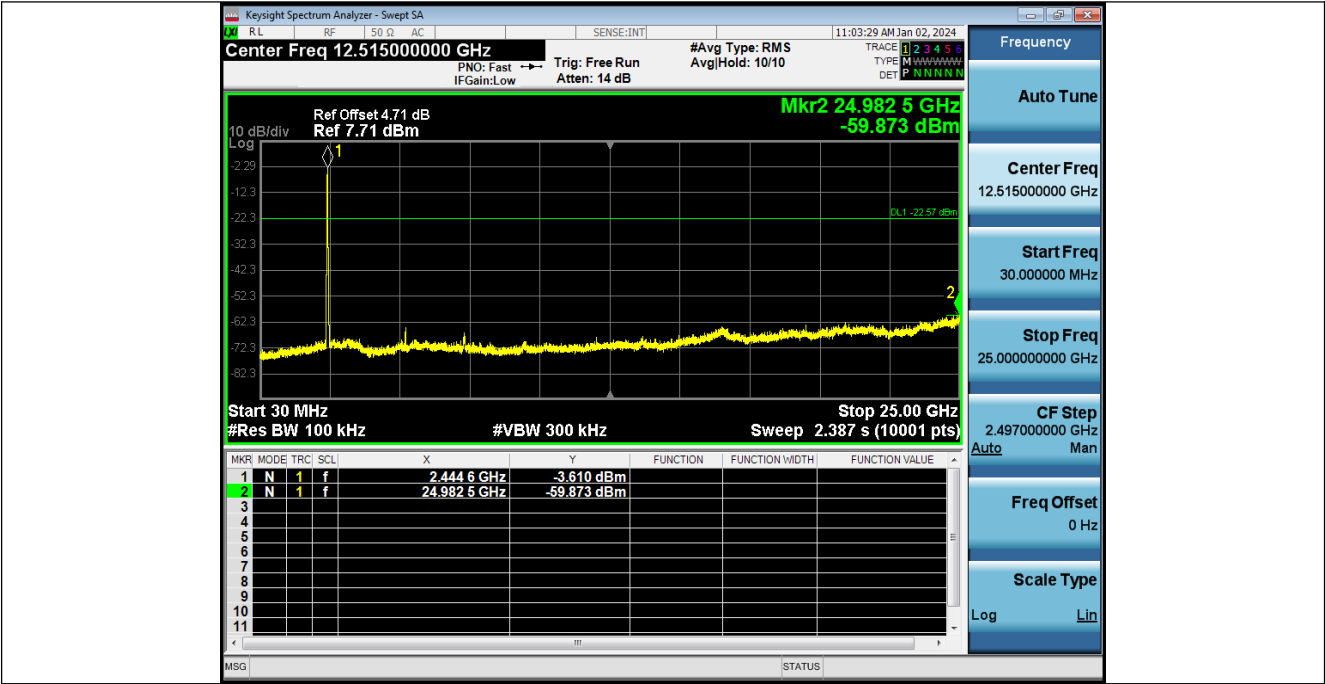
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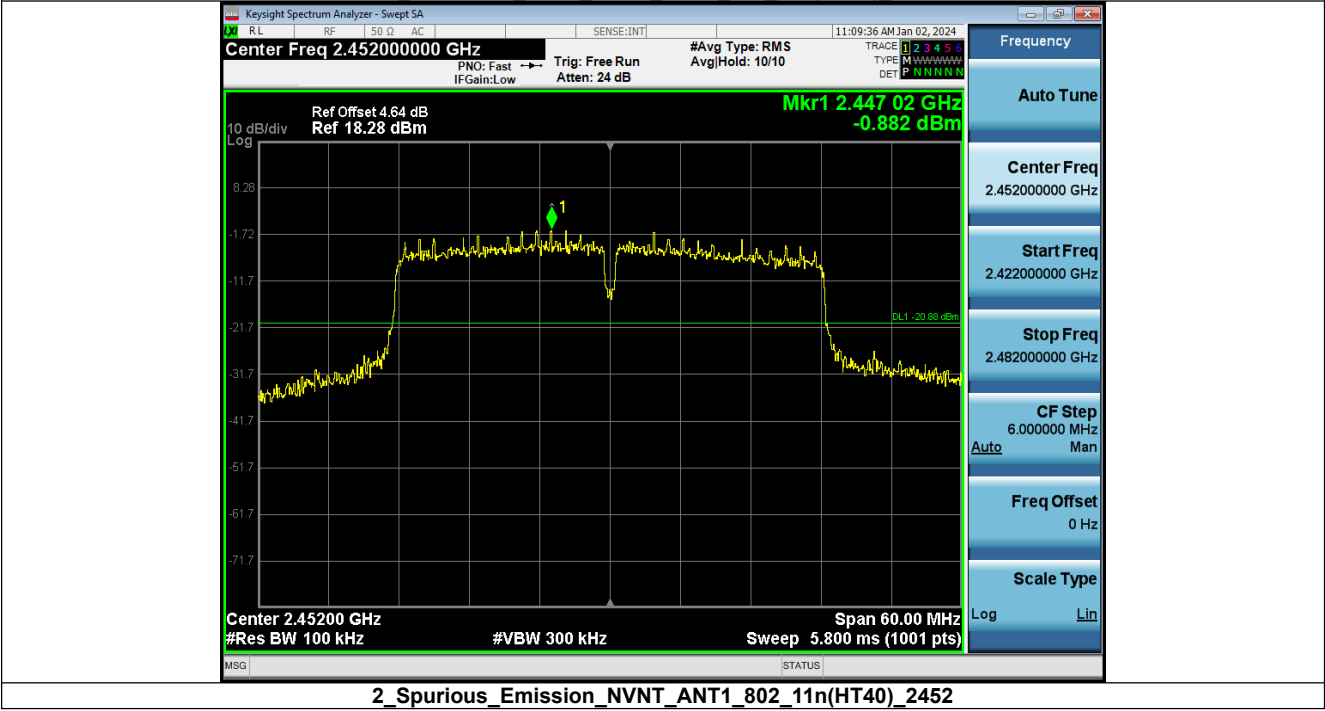
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2437



2 Spurious Emission_NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2452

