

Report No.: NCT260051181E1-3
FCC ID:2BVCX-M8800US9
FCC_2.4G_WIFI (Part15.247) Test Data

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1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.29	500	Pass
NVNT	ANT1	802.11b	2437.00	9.30	500	Pass
NVNT	ANT1	802.11b	2462.00	9.29	500	Pass
NVNT	ANT1	802.11g	2412.00	16.47	500	Pass
NVNT	ANT1	802.11g	2437.00	16.49	500	Pass
NVNT	ANT1	802.11g	2462.00	16.41	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.78	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.51	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.49	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.88	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	18.95	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	19.03	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.19	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.74	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.05	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	37.71	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	37.54	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	37.45	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412



-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



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE20)_2462



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2437

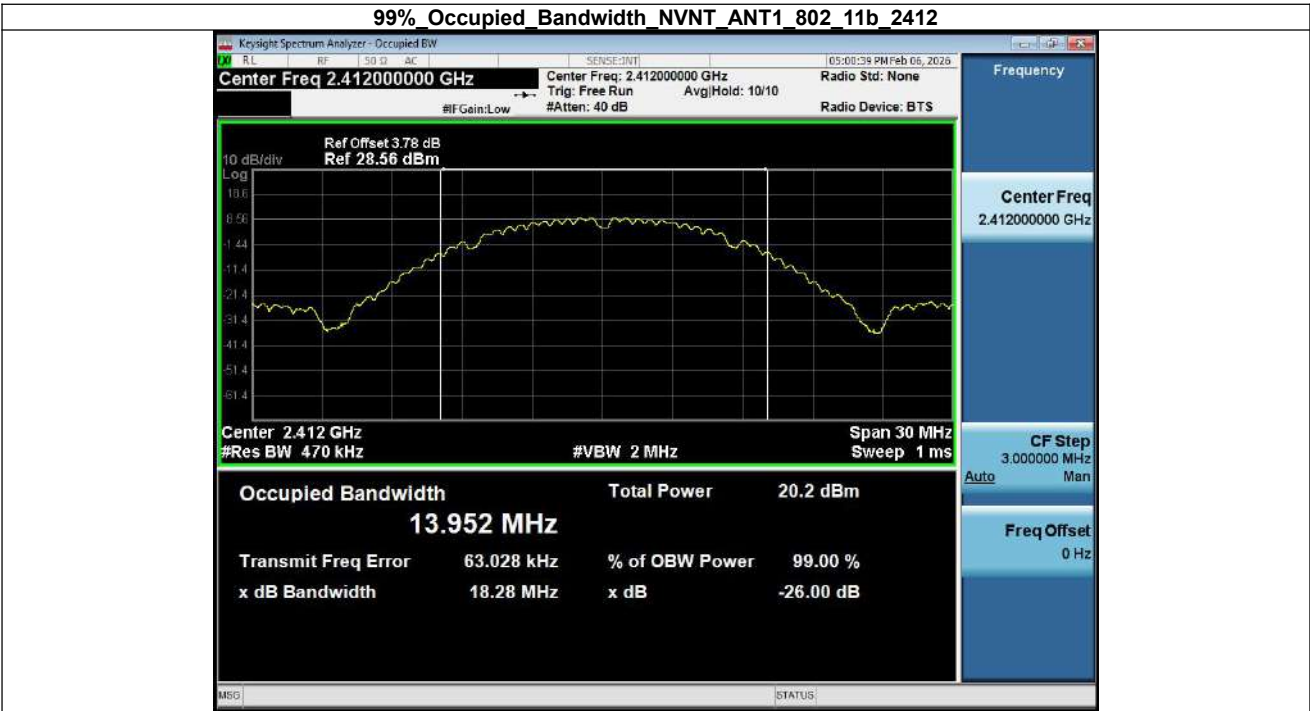


-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2452



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	13.952
NVNT	ANT1	802.11b	2437.00	13.971
NVNT	ANT1	802.11b	2462.00	13.861
NVNT	ANT1	802.11g	2412.00	20.020
NVNT	ANT1	802.11g	2437.00	19.874
NVNT	ANT1	802.11g	2462.00	19.015
NVNT	ANT1	802.11n(HT20)	2412.00	20.724
NVNT	ANT1	802.11n(HT20)	2437.00	19.876
NVNT	ANT1	802.11n(HT20)	2462.00	19.921
NVNT	ANT1	802.11ax(HE20)	2412.00	20.276
NVNT	ANT1	802.11ax(HE20)	2437.00	19.283
NVNT	ANT1	802.11ax(HE20)	2462.00	19.296
NVNT	ANT1	802.11n(HT40)	2422.00	36.899
NVNT	ANT1	802.11n(HT40)	2437.00	38.540
NVNT	ANT1	802.11n(HT40)	2452.00	38.537
NVNT	ANT1	802.11ax(HE40)	2422.00	39.690
NVNT	ANT1	802.11ax(HE40)	2437.00	39.483
NVNT	ANT1	802.11ax(HE40)	2452.00	39.444



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_11ax(HE20)_2412



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE20)_2462



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437

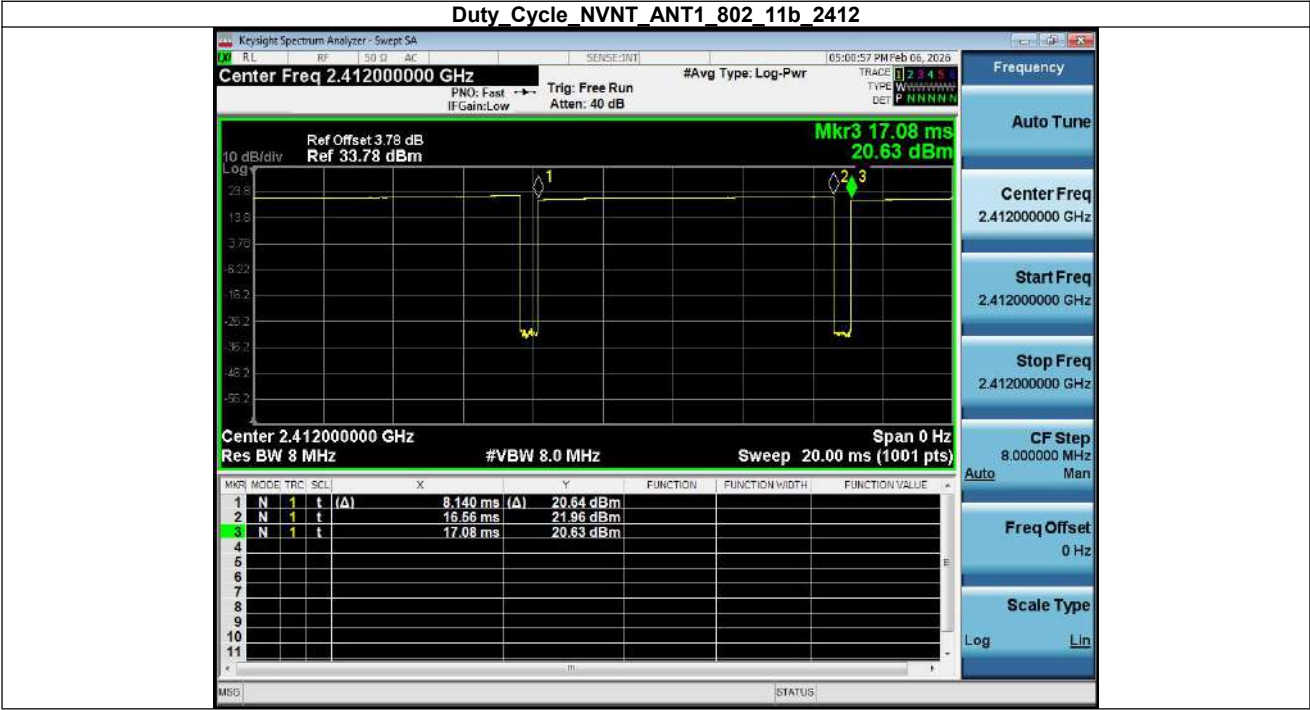


99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2452

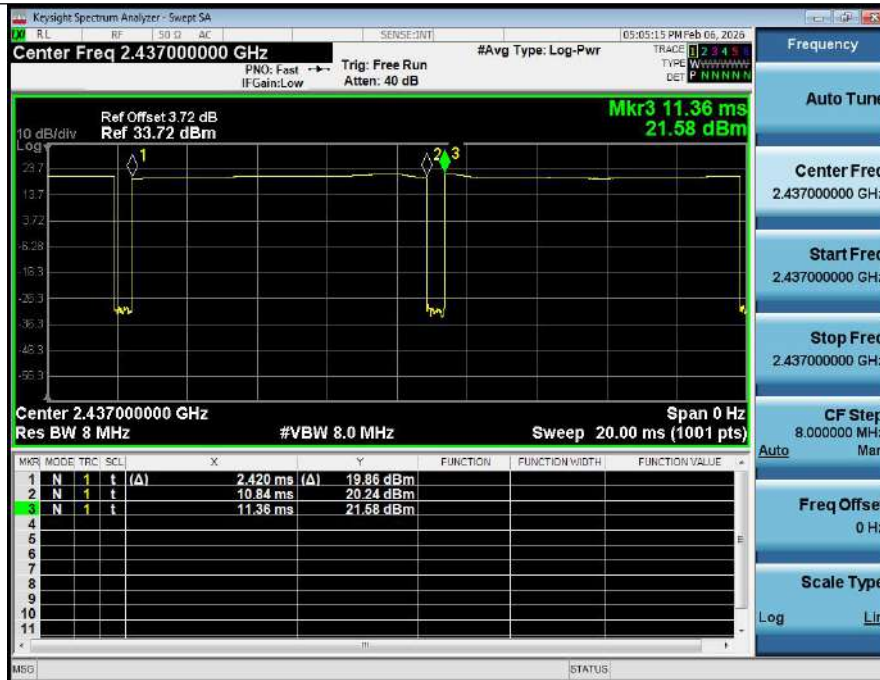


3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	94.41	0.25
NVNT	ANT1	802.11b	2437.00	94.41	0.25
NVNT	ANT1	802.11b	2462.00	94.39	0.25
NVNT	ANT1	802.11g	2412.00	72.92	1.37
NVNT	ANT1	802.11g	2437.00	73.96	1.31
NVNT	ANT1	802.11g	2462.00	73.96	1.31
NVNT	ANT1	802.11n(HT20)	2412.00	71.43	1.46
NVNT	ANT1	802.11n(HT20)	2437.00	72.53	1.39
NVNT	ANT1	802.11n(HT20)	2462.00	72.53	1.39
NVNT	ANT1	802.11ax(HE20)	2412.00	88.18	0.55
NVNT	ANT1	802.11ax(HE20)	2437.00	34.15	4.67
NVNT	ANT1	802.11ax(HE20)	2462.00	34.15	4.67
NVNT	ANT1	802.11n(HT40)	2422.00	26.47	5.77
NVNT	ANT1	802.11n(HT40)	2437.00	71.91	1.43
NVNT	ANT1	802.11n(HT40)	2452.00	71.91	1.43
NVNT	ANT1	802.11ax(HE40)	2422.00	88.18	0.55
NVNT	ANT1	802.11ax(HE40)	2437.00	88.64	0.52
NVNT	ANT1	802.11ax(HE40)	2452.00	88.18	0.55



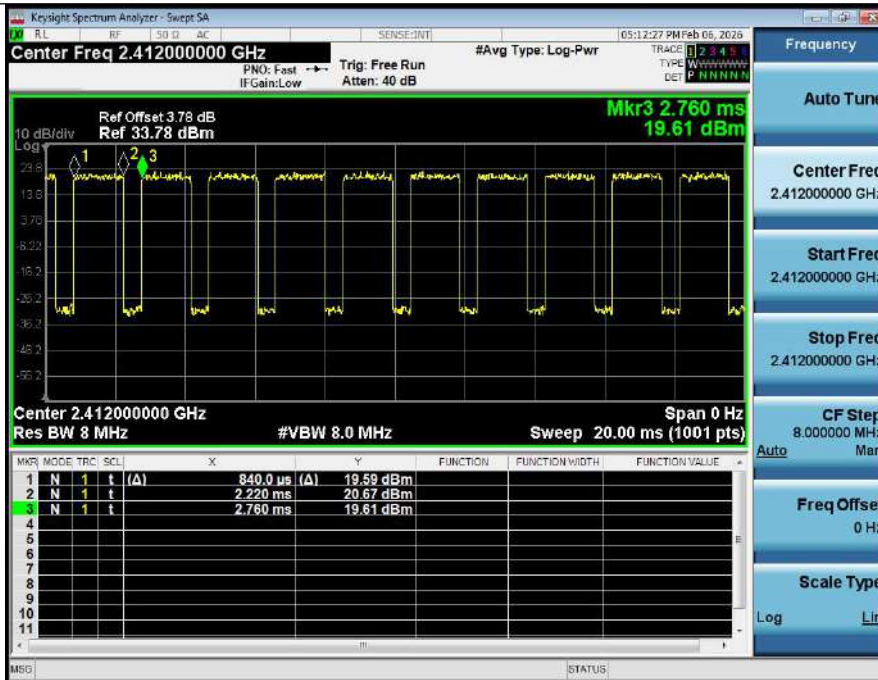
Duty Cycle NVNT ANT1 802_11b 2437



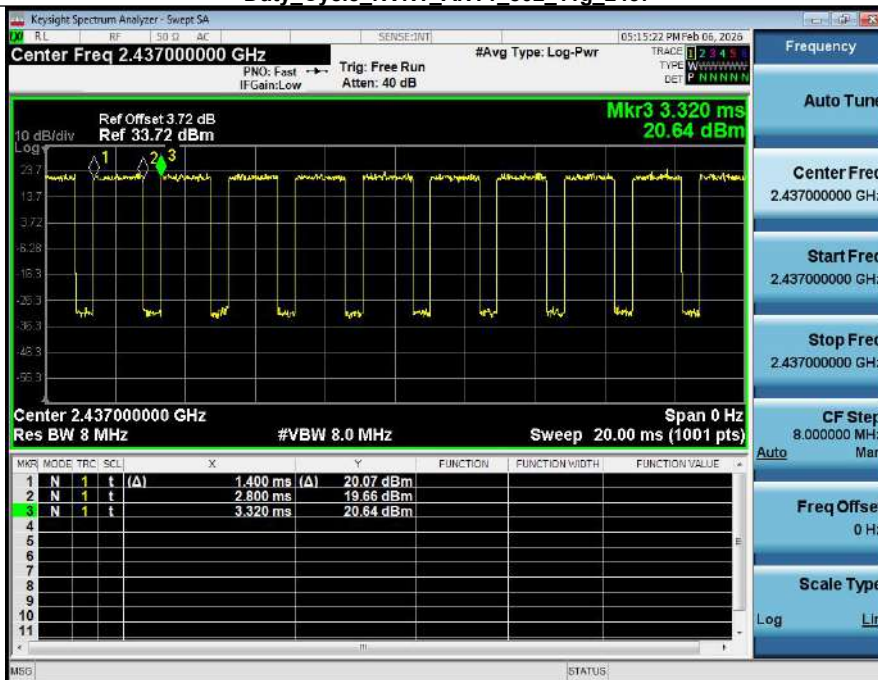
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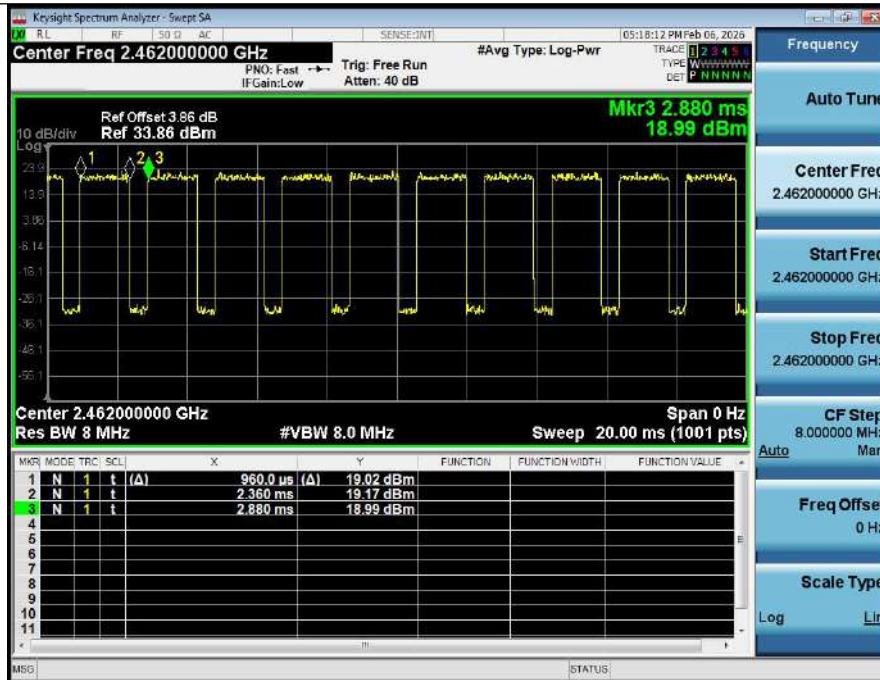
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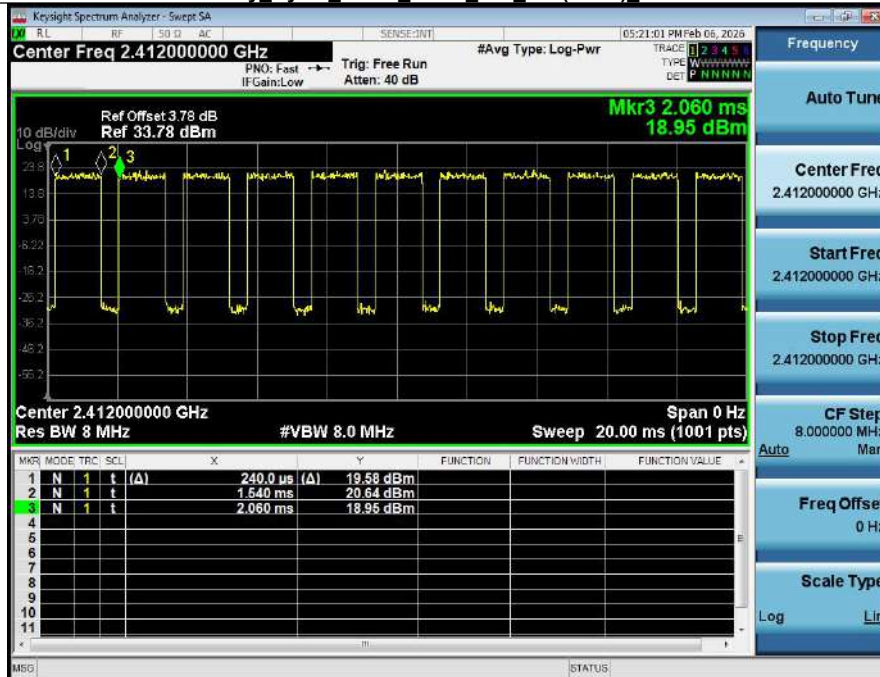
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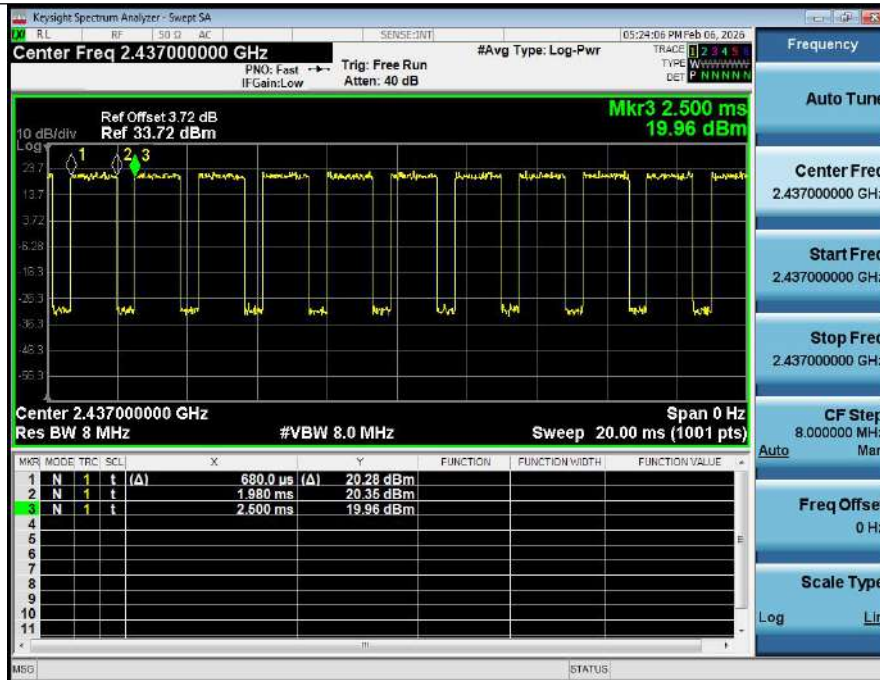
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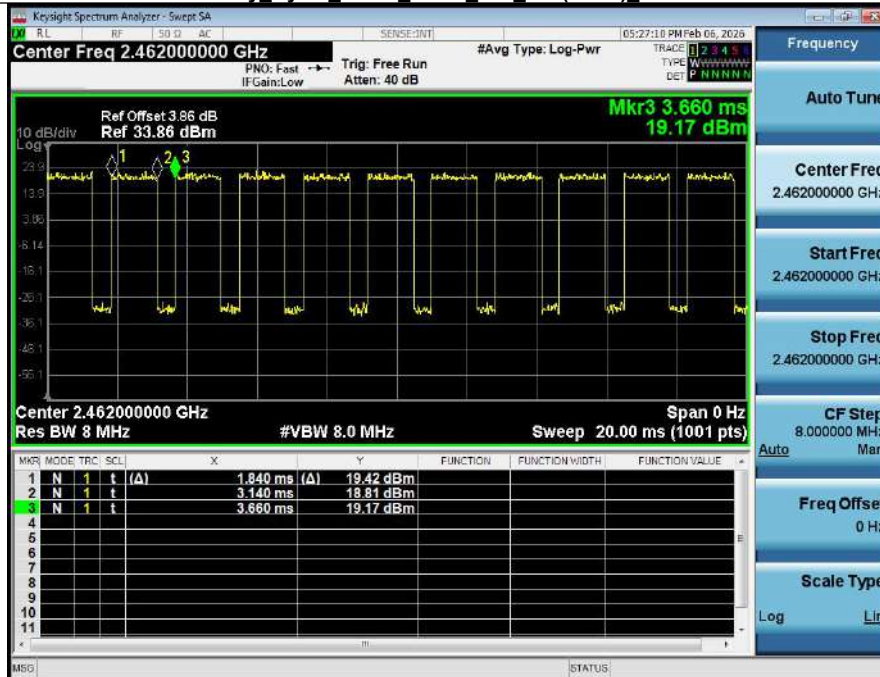
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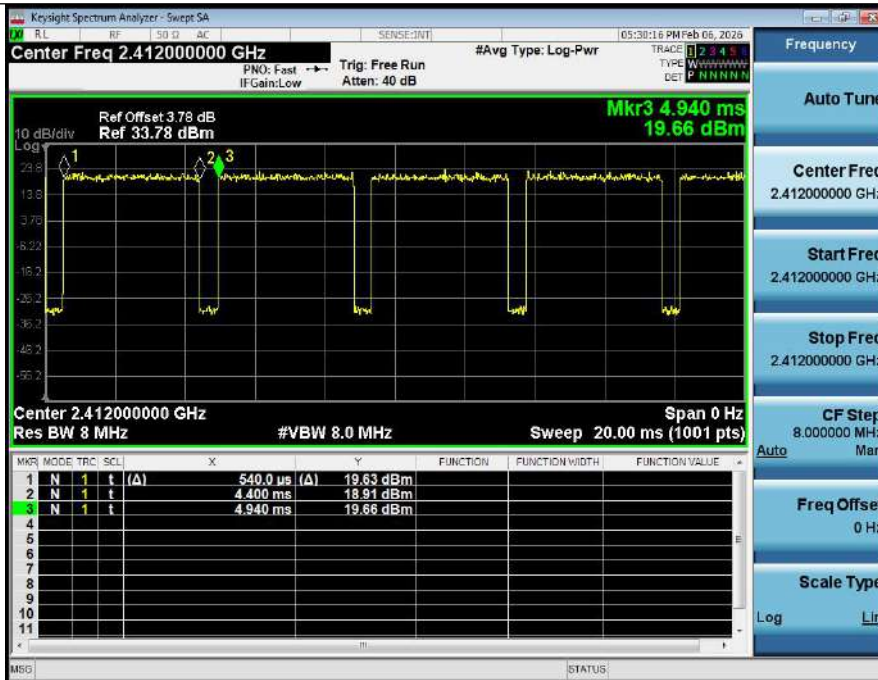
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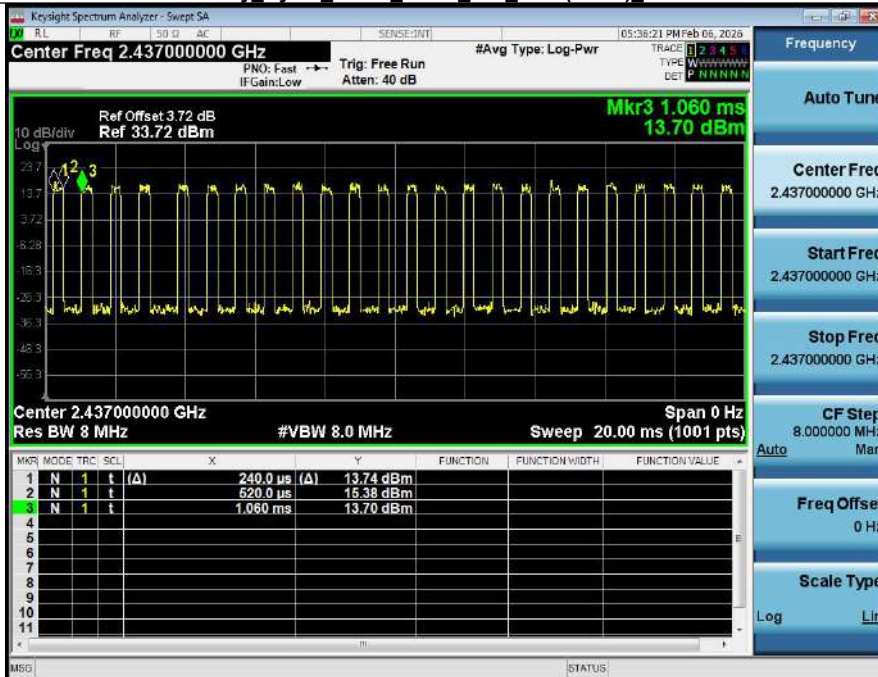
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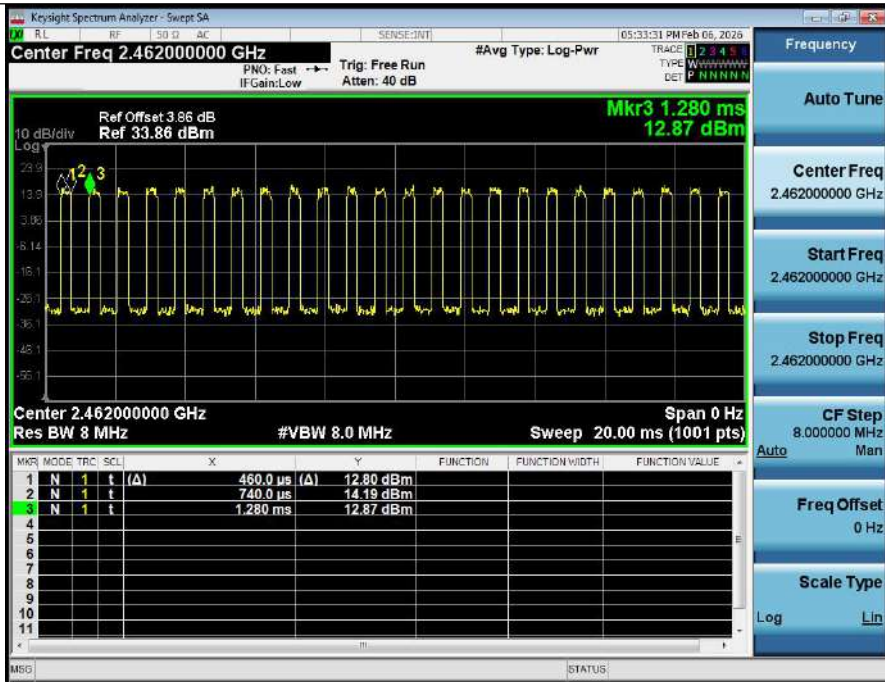
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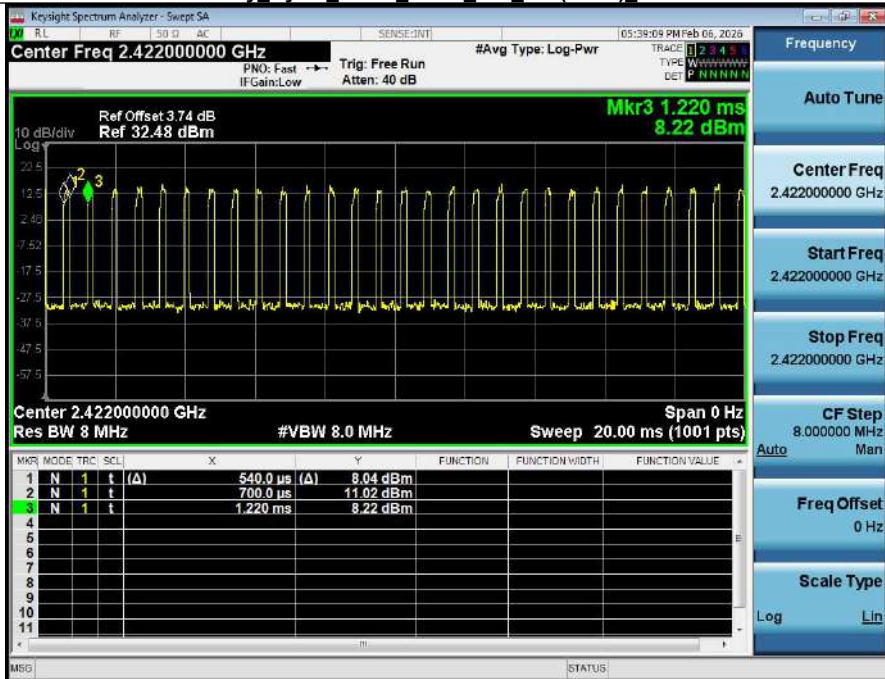
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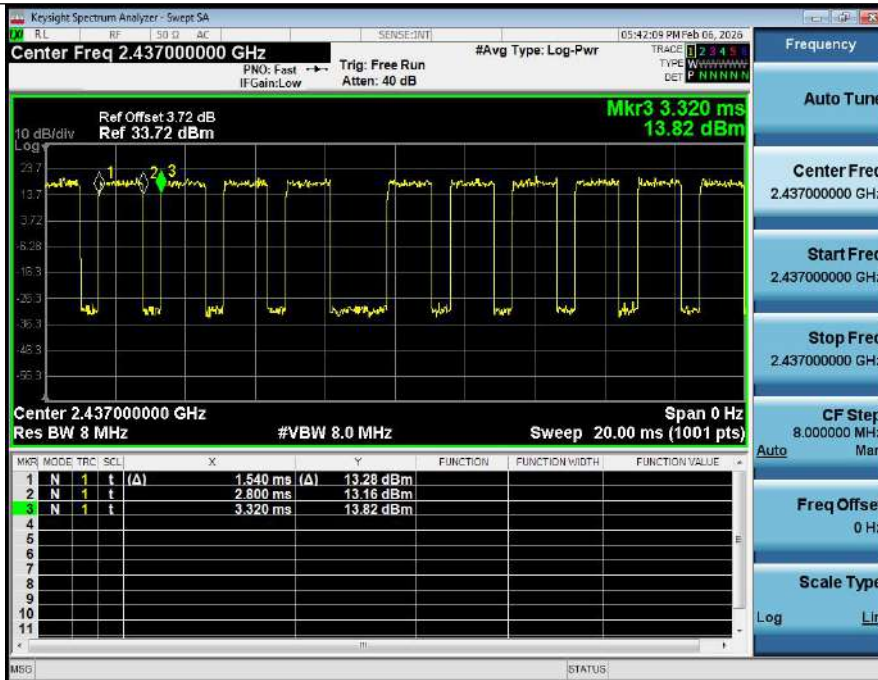
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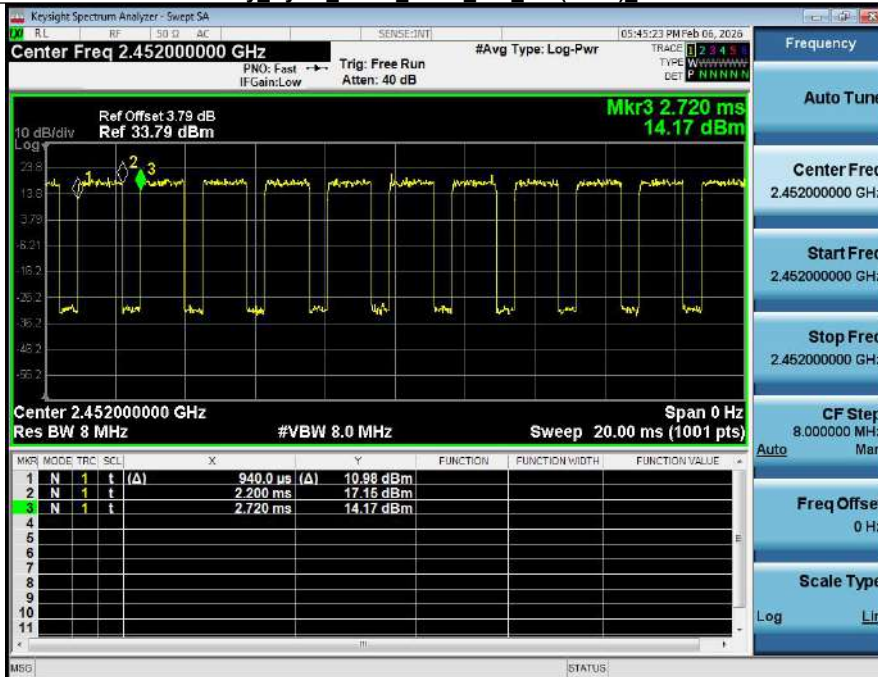
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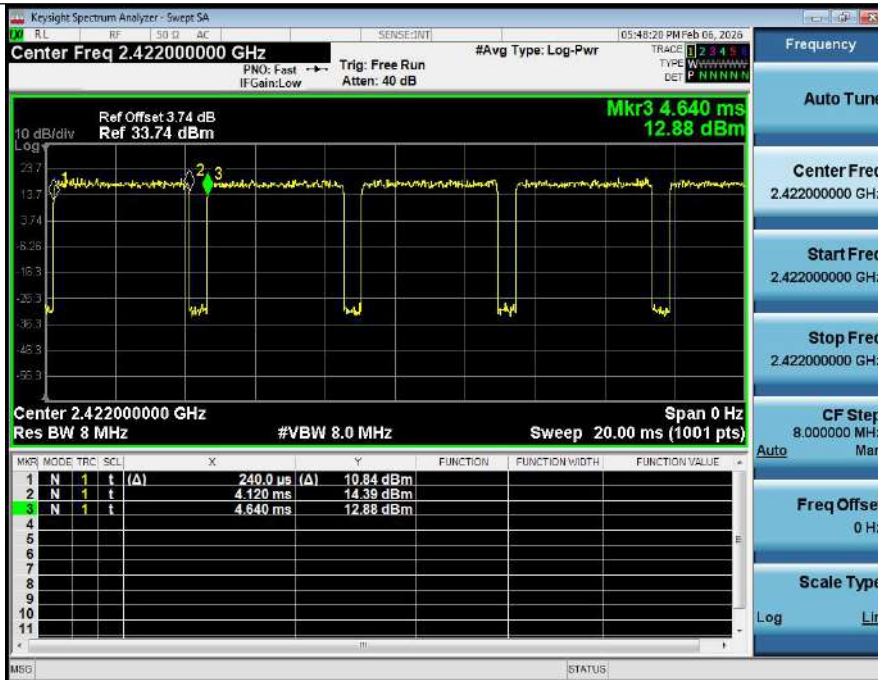
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Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452



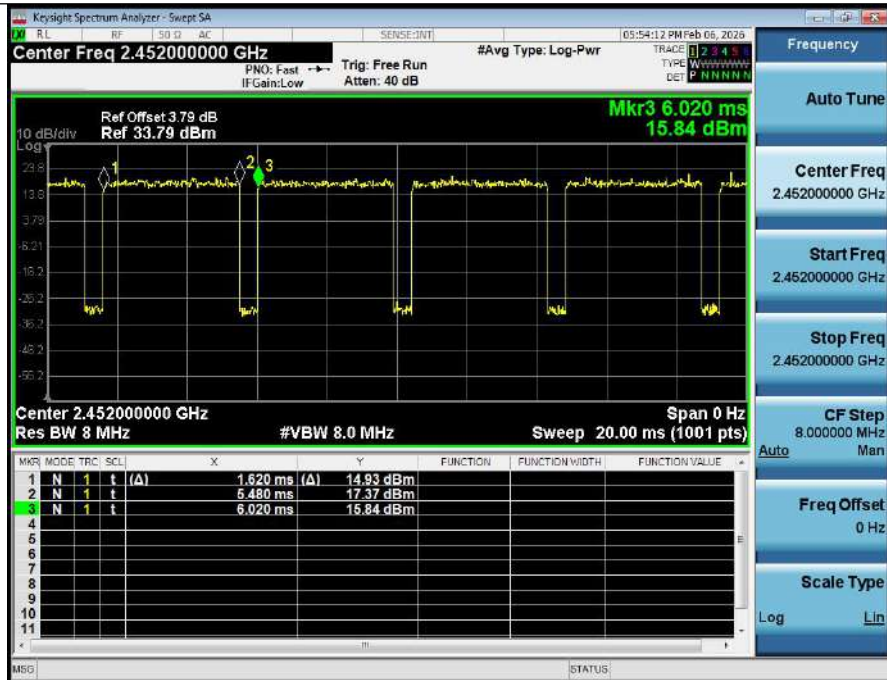
Duty_Cycle_NVNT_ANT1_802_11ax(HE40)_2422



Duty Cycle_NVNT_ANT1_802_11ax(HE40)_2437



Duty Cycle_NVNT_ANT1_802_11ax(HE40)_2452



4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	20.20	20.20	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	20.33	20.33	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	19.66	19.66	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	17.80	17.80	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	18.08	18.08	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	17.60	17.60	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	18.77	18.77	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	18.76	18.76	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	18.53	18.53	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	17.48	17.48	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	18.12	18.12	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	17.38	17.38	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	18.42	18.42	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	17.92	17.92	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	17.66	17.66	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	15.00	15.00	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	15.78	15.78	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	15.63	15.63	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	6.50	8	Pass
NVNT	ANT1	802.11b	2437.00	6.80	8	Pass
NVNT	ANT1	802.11b	2462.00	5.38	8	Pass
NVNT	ANT1	802.11g	2412.00	1.81	8	Pass
NVNT	ANT1	802.11g	2437.00	2.93	8	Pass
NVNT	ANT1	802.11g	2462.00	2.03	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2.32	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2.87	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2.09	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	0.99	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-4.75	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-5.57	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-5.02	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-1.30	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-0.95	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-1.54	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-1.38	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-0.78	8	Pass

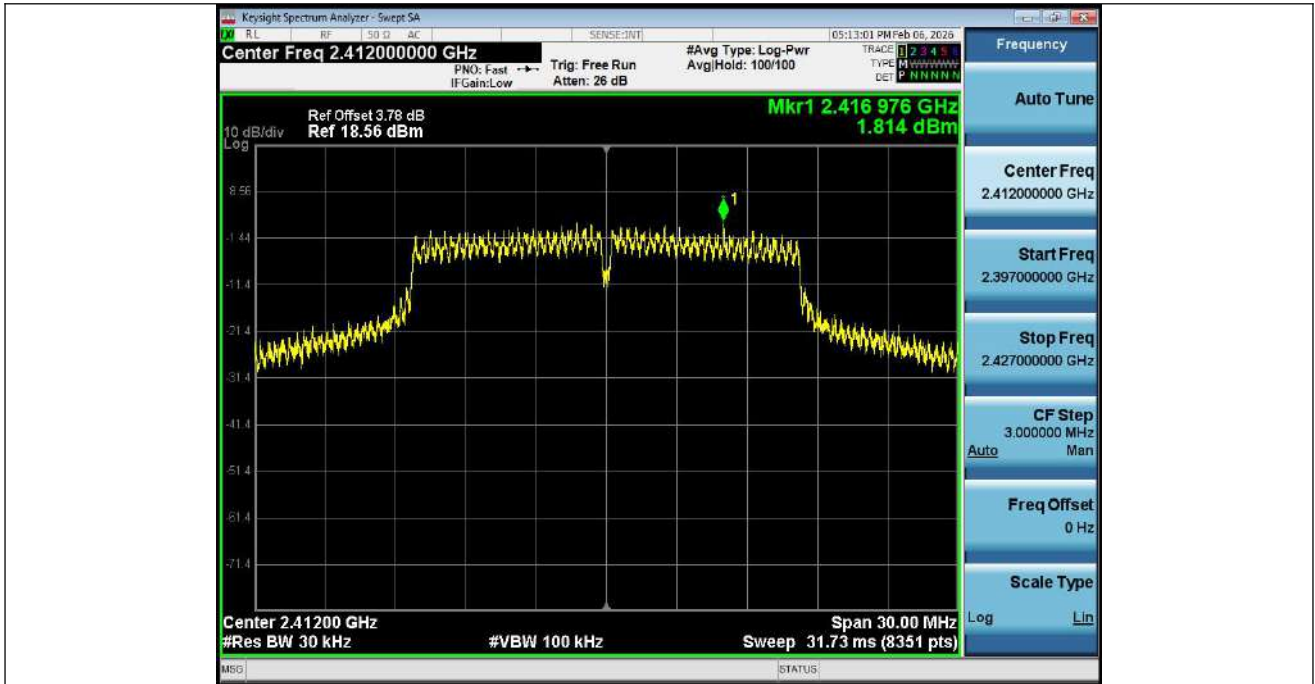




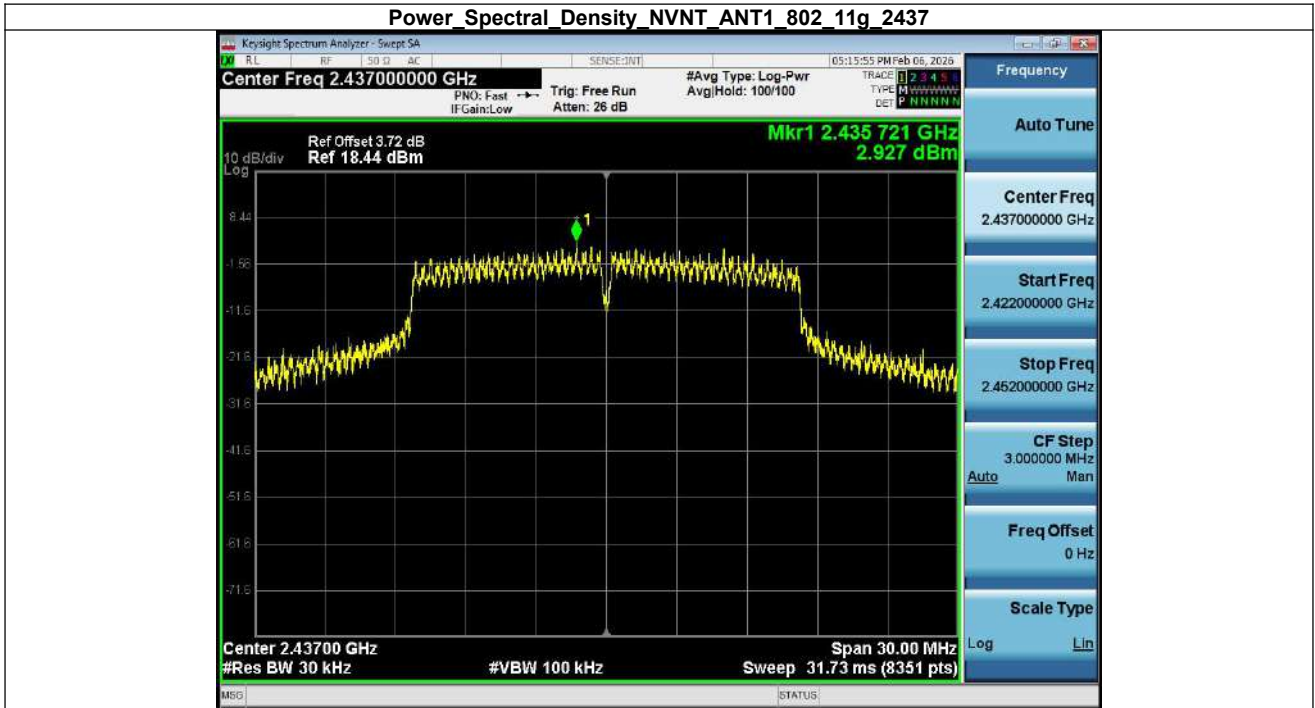
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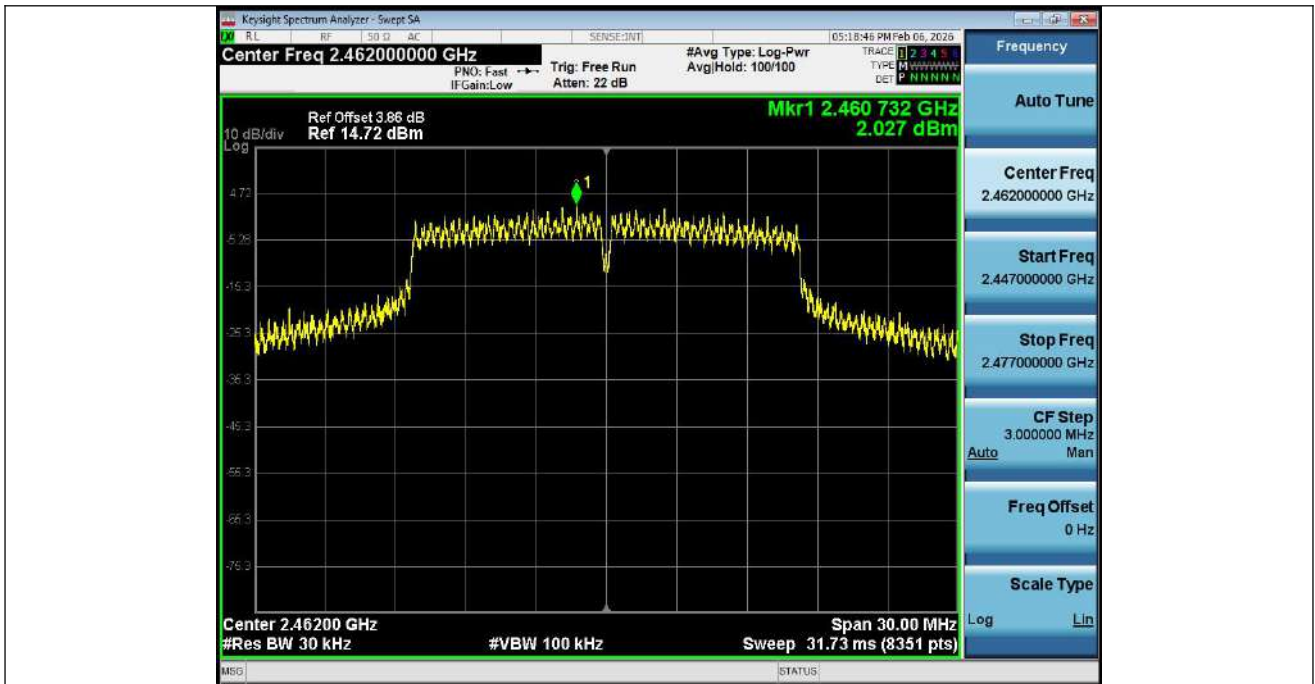
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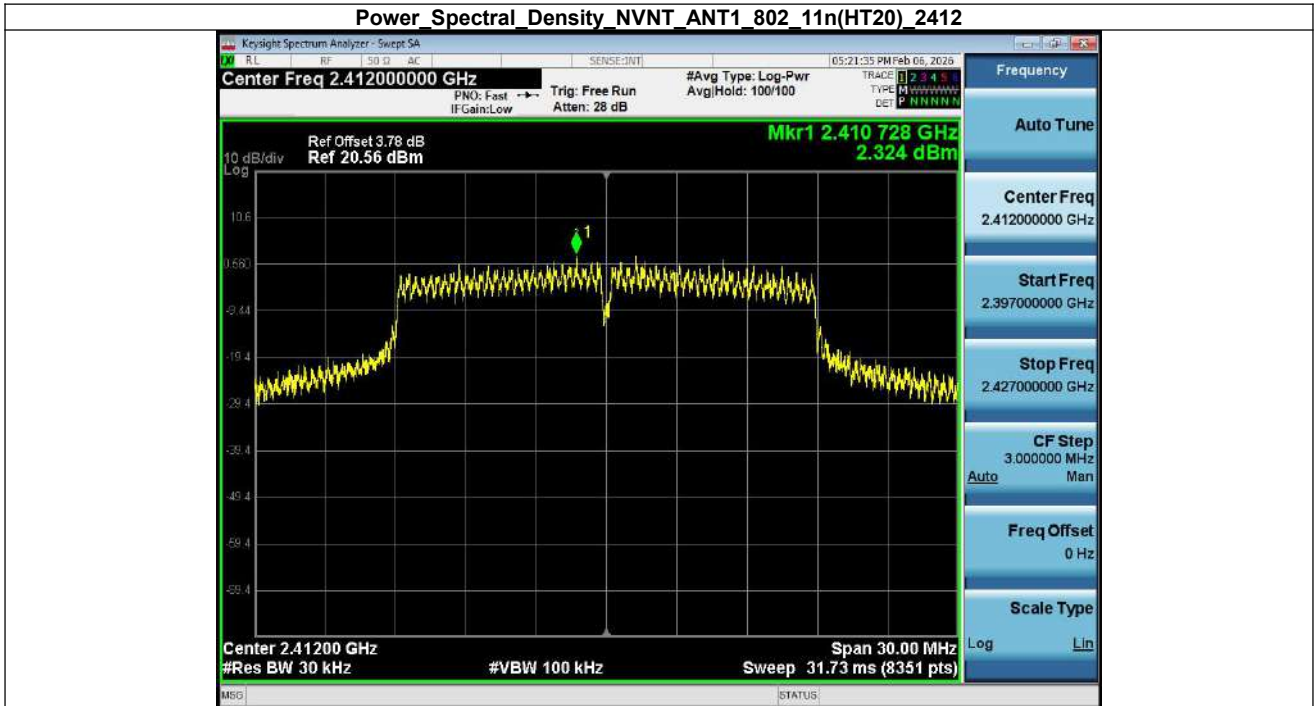
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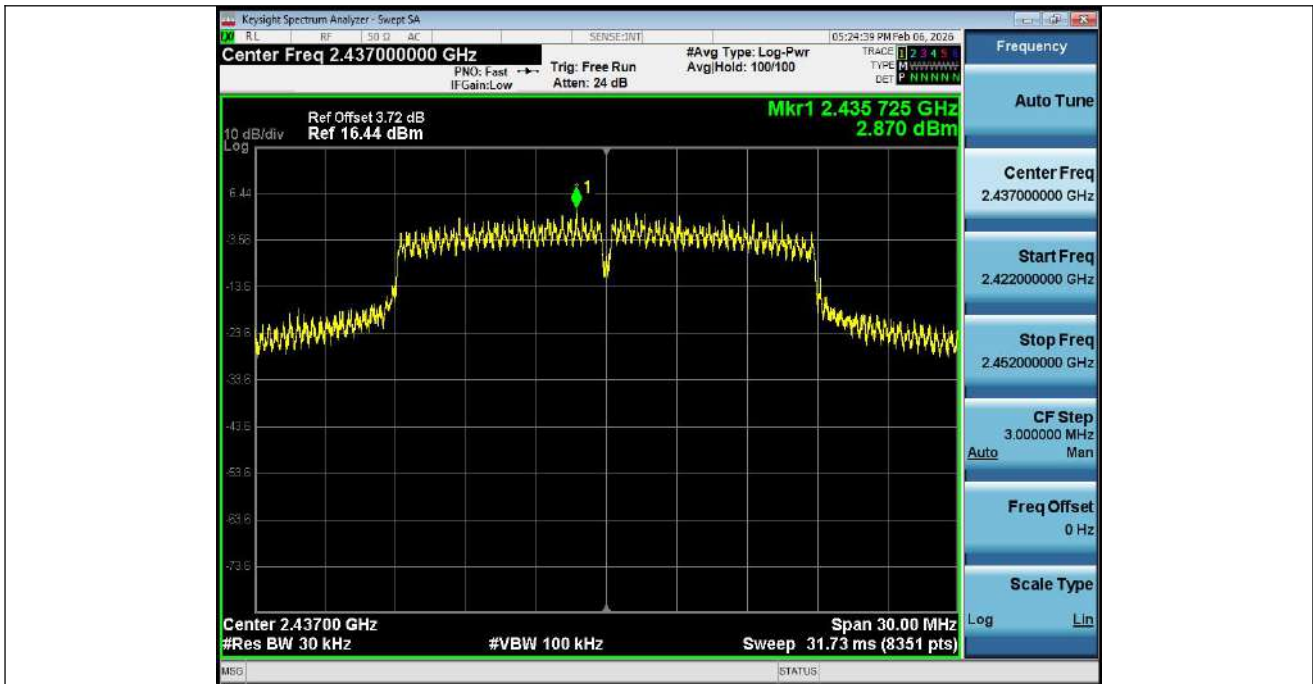
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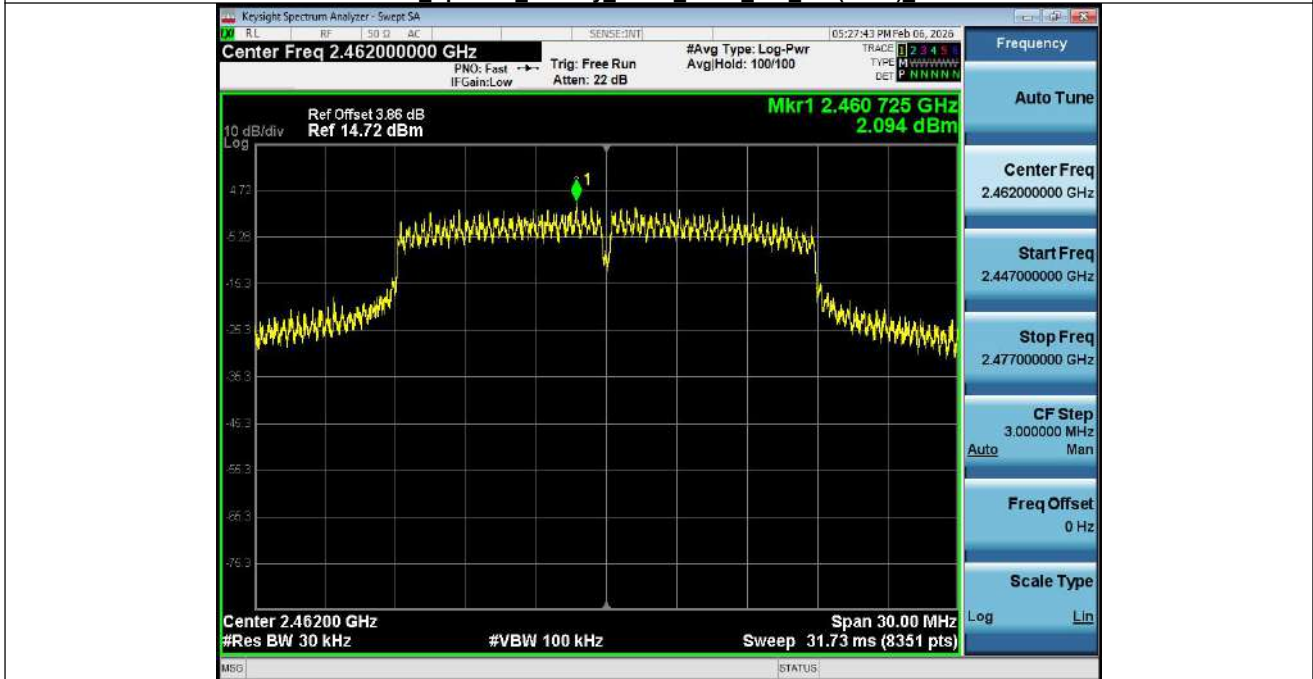
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Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



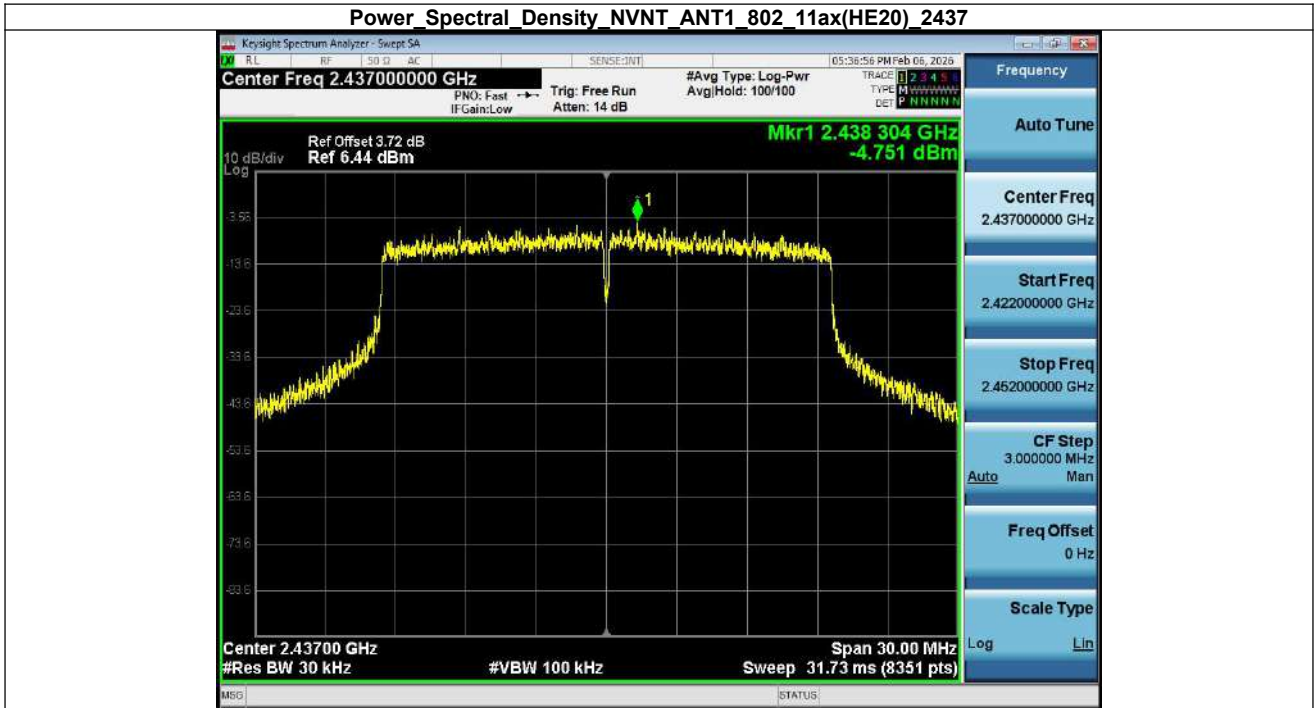
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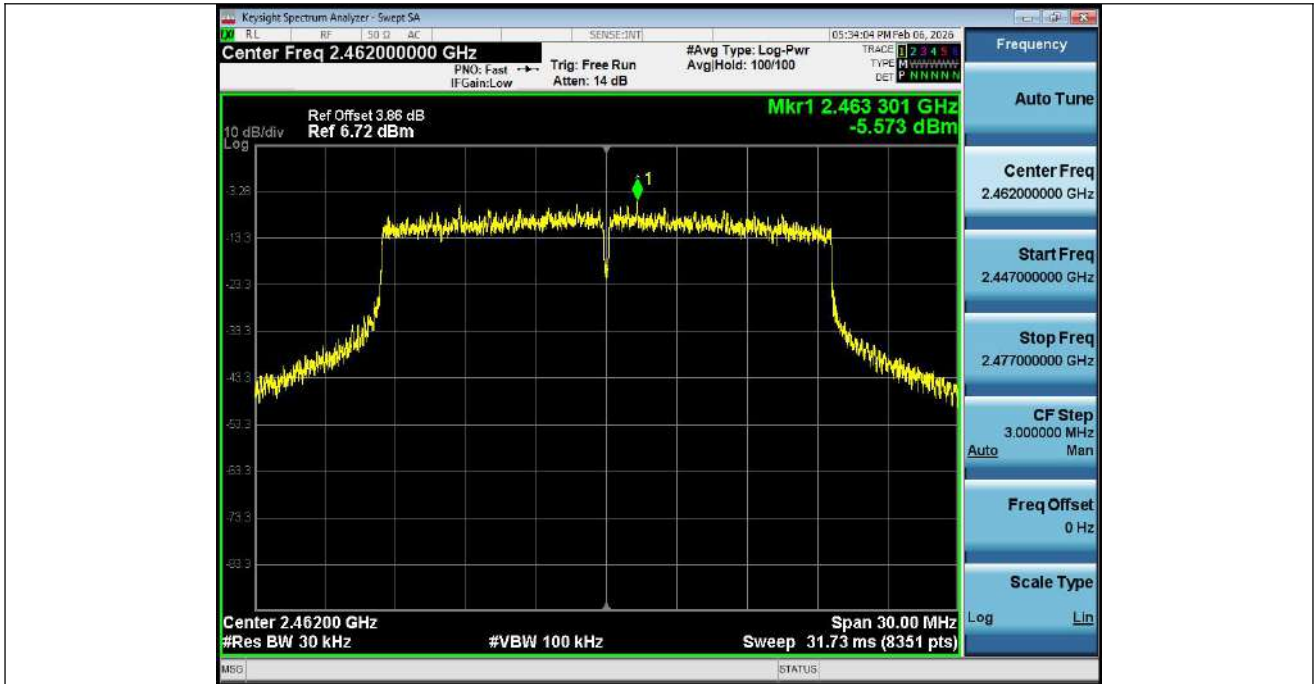
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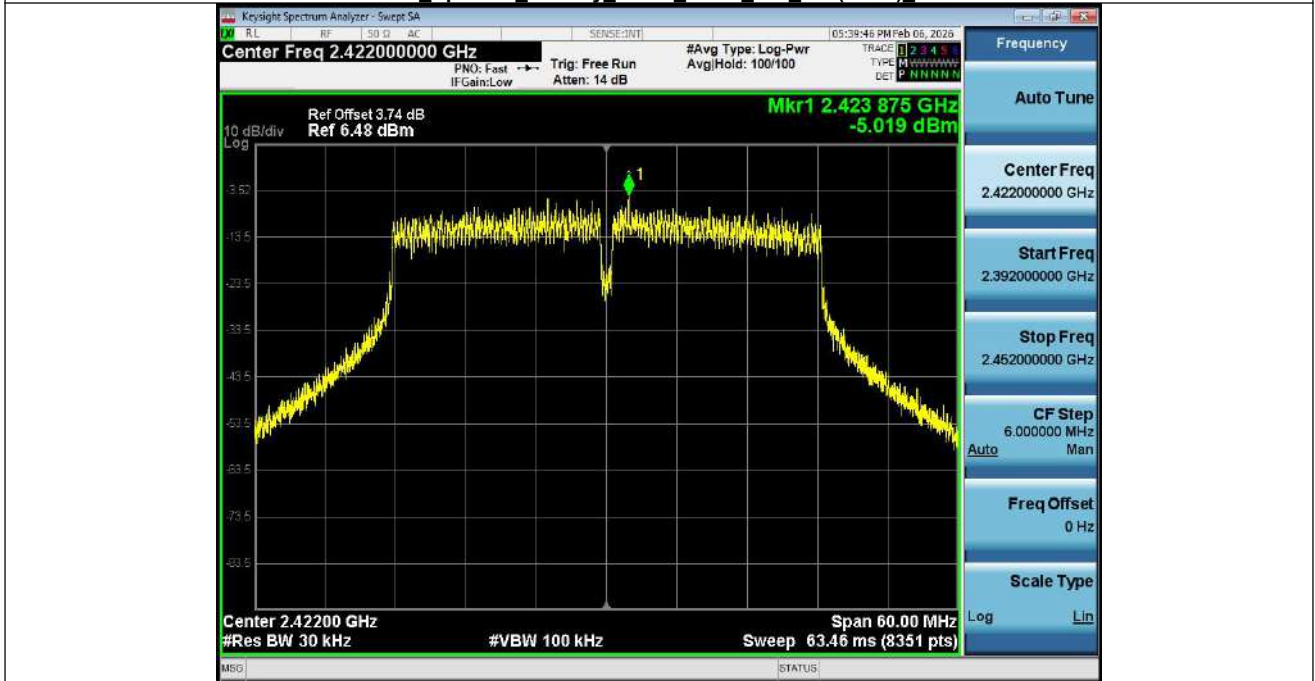
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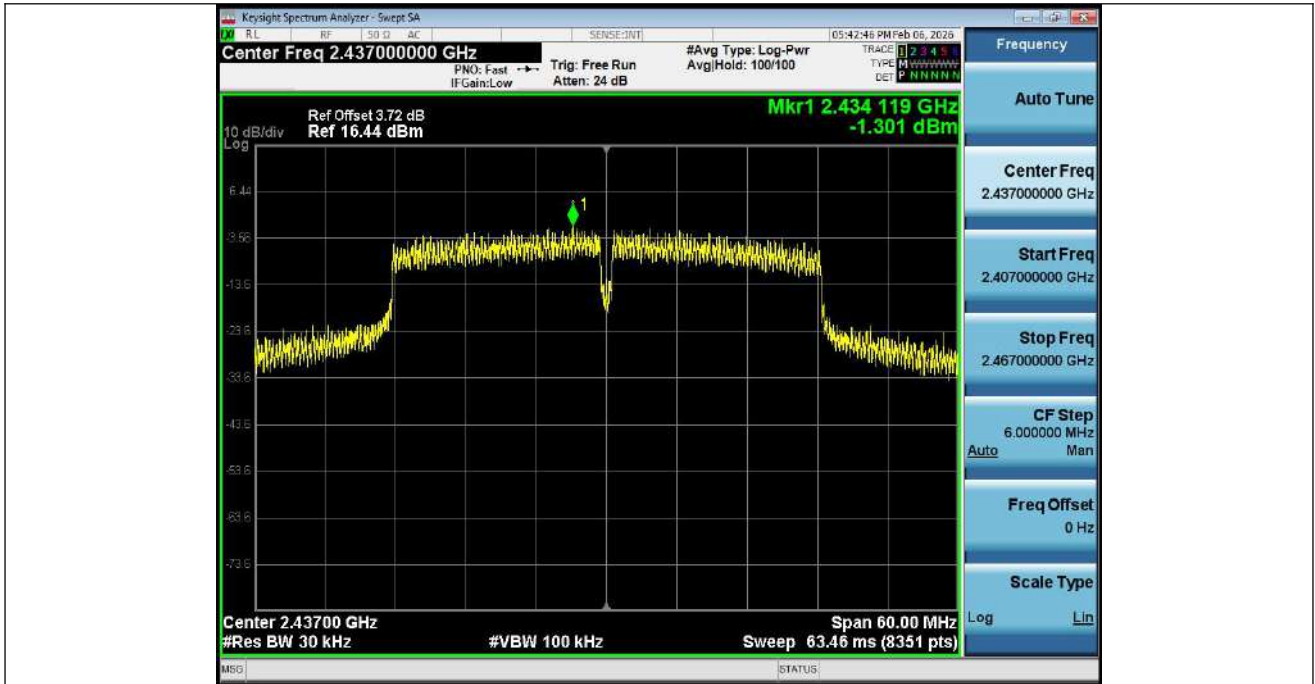
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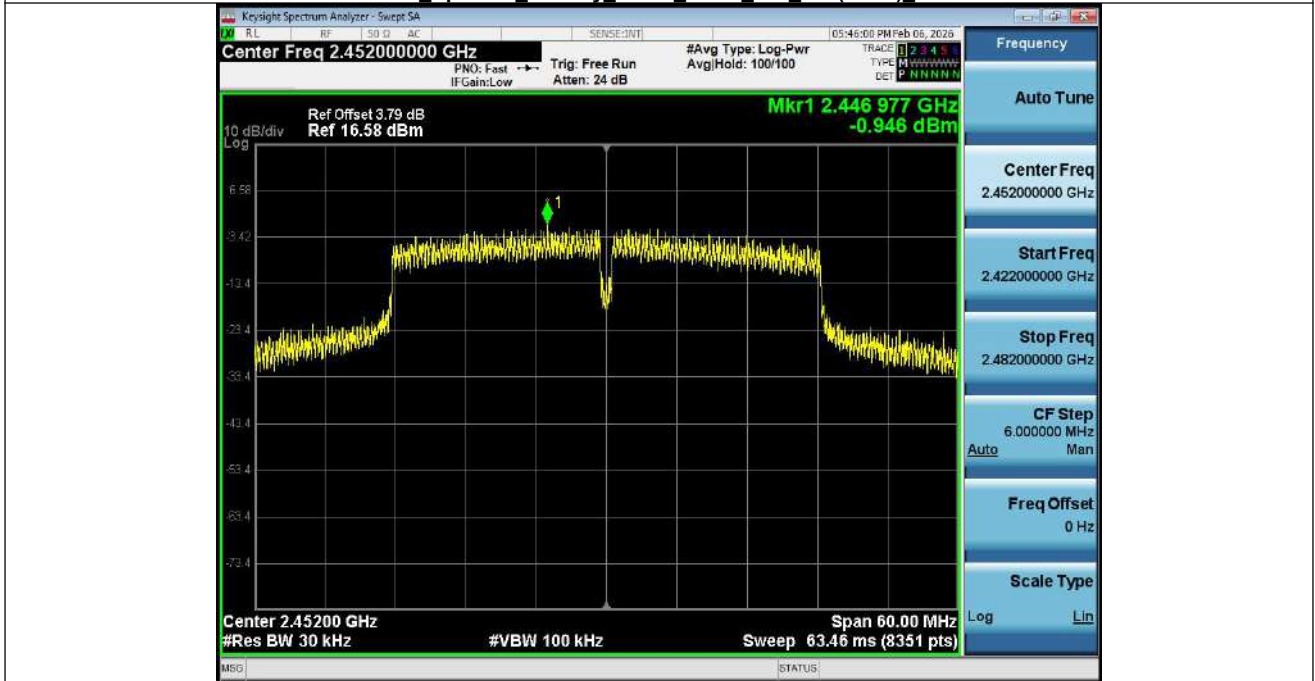
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Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452



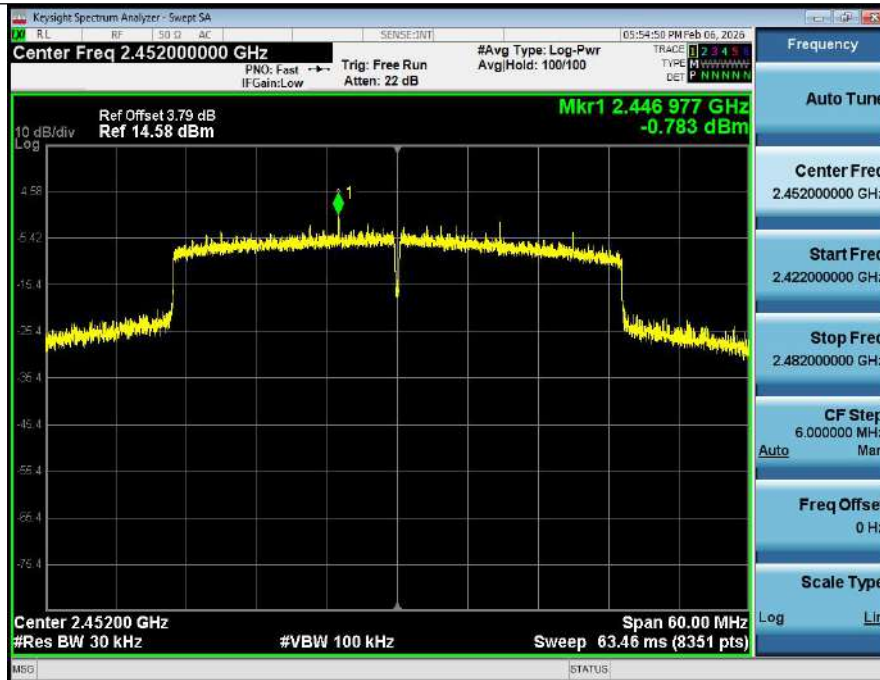
Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2422



Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2437



Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2397.024	8.339	-26.113	-11.661	Pass
NVNT	ANT1	802.11b	2462.00	2488.720	7.509	-49.985	-12.491	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	6.437	-17.514	-13.563	Pass
NVNT	ANT1	802.11g	2462.00	2484.256	5.665	-32.555	-14.335	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.928	6.006	-14.263	-13.994	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.632	6.913	-29.400	-13.087	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2398.928	6.431	-16.402	-13.569	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2484.496	0.318	-51.291	-19.682	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-1.125	-34.312	-21.125	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	3.836	-19.724	-16.164	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.628	2.810	-19.551	-17.190	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2485.788	2.298	-21.533	-17.702	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



1 Reference Level NVNT_ANT1_802_11b_2462



2_Bandedge_NVNT_ANT1_802_11b_2462



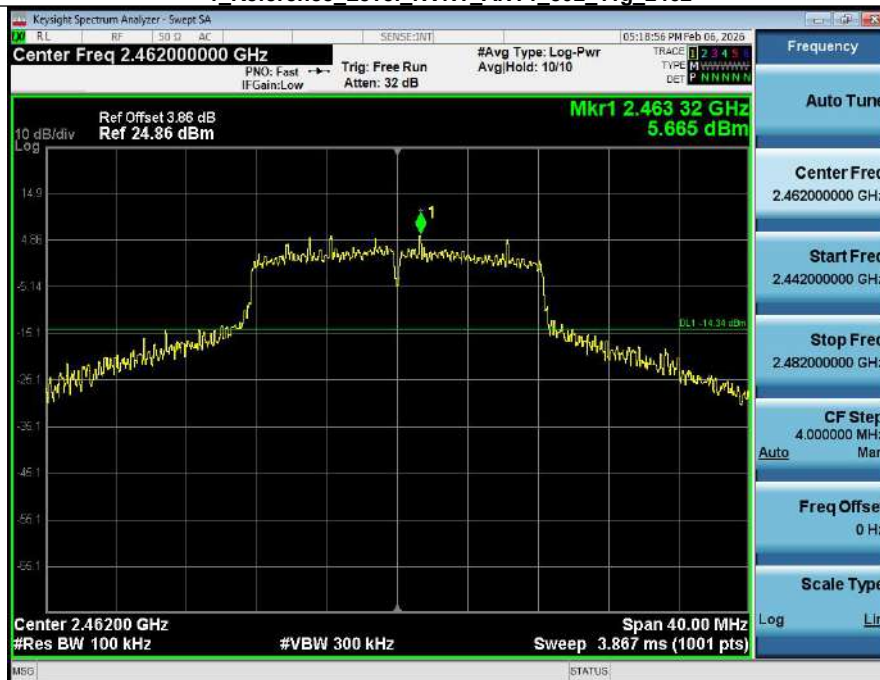
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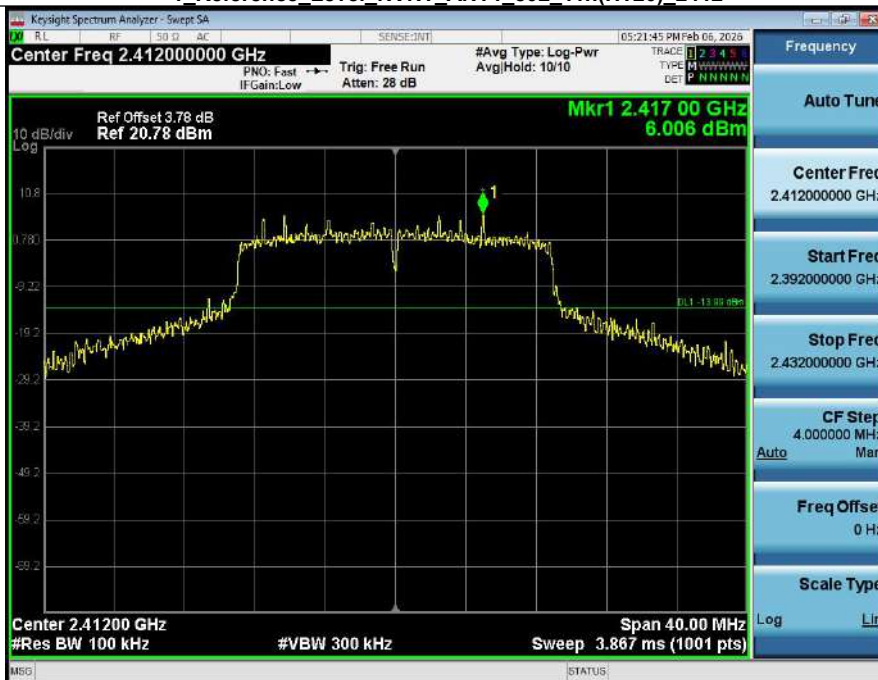
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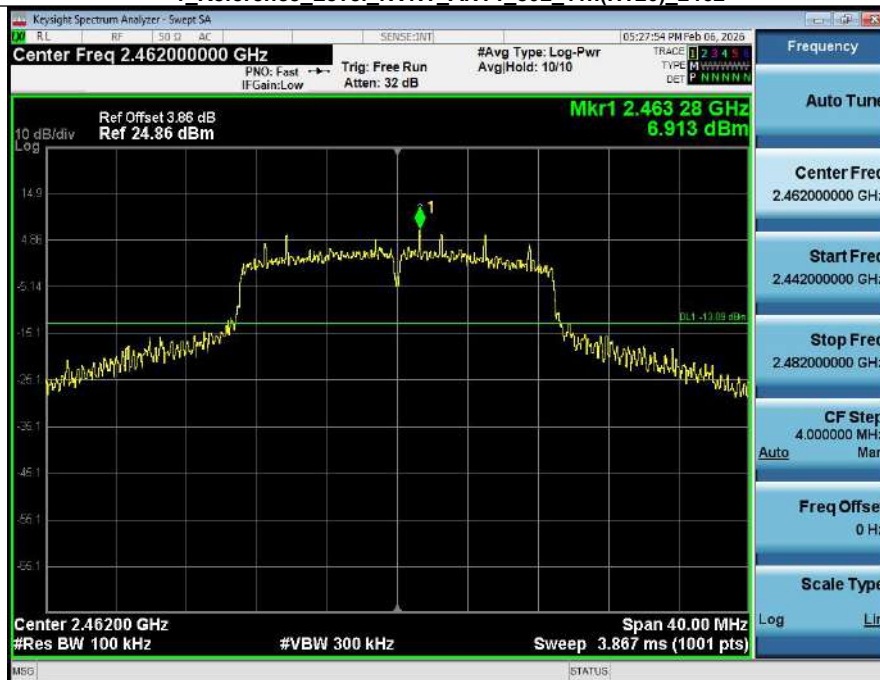
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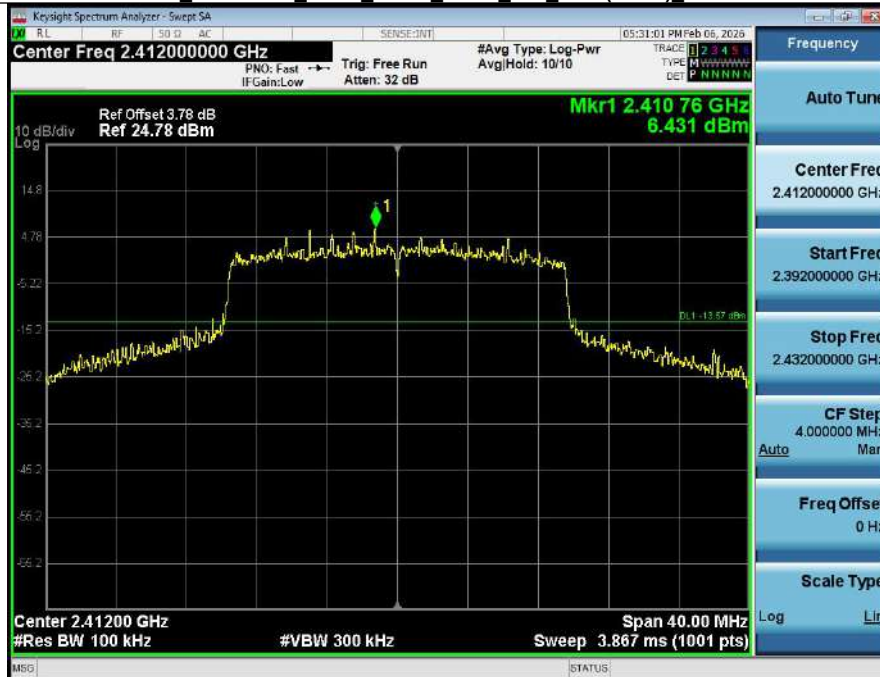
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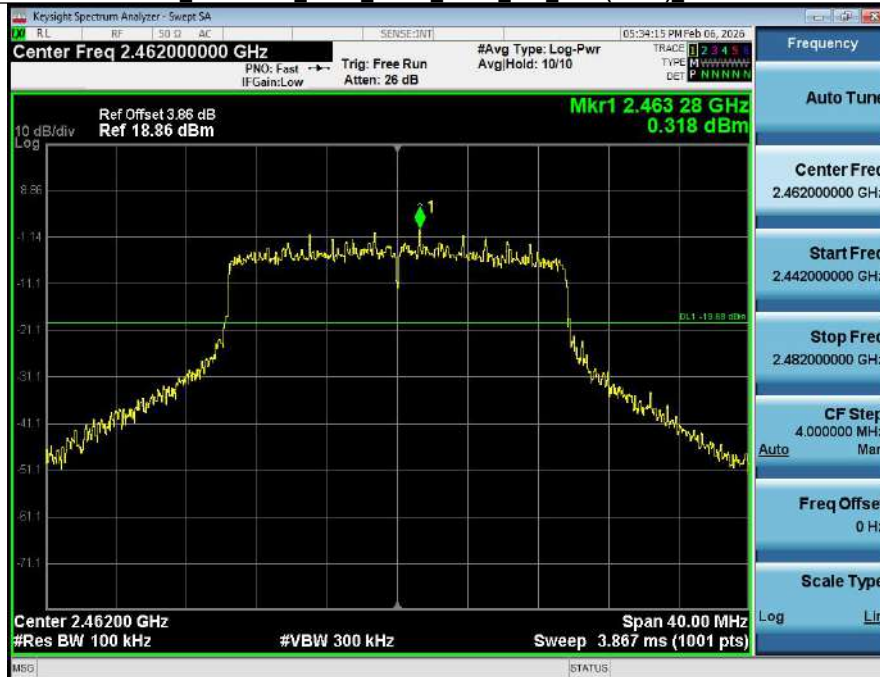
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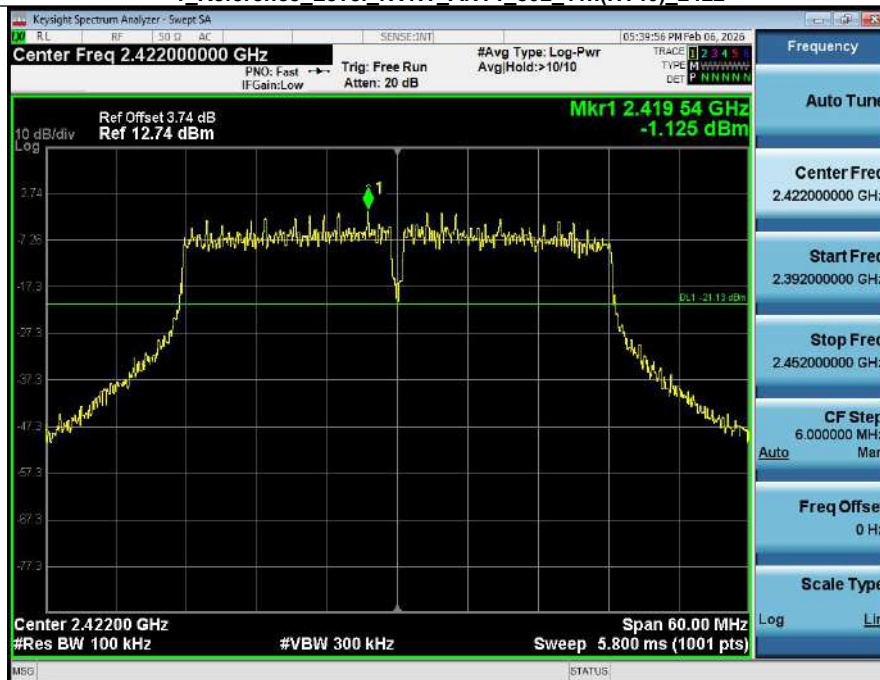
1 Reference Level NVNT ANT1_802_11ax(HE20)_2462



2 Bandedge NVNT ANT1_802_11ax(HE20)_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



1 Reference Level NVNT ANT1_802_11ax(HE40)_2422



2 Bandedge NVNT ANT1_802_11ax(HE40)_2422



1 Reference Level NVNT ANT1_802_11ax(HE40)_2452



2 Bandedge NVNT ANT1_802_11ax(HE40)_2452



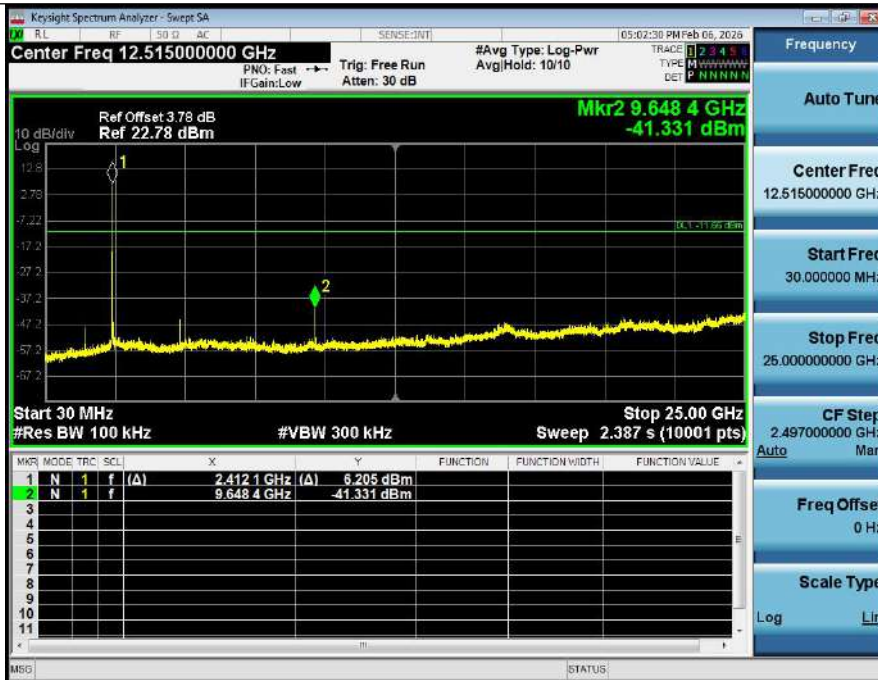
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	9648.444	8.339	-41.331	-11.661	Pass
NVNT	ANT1	802.11b	2437.00	24947.563	8.009	-41.873	-11.991	Pass
NVNT	ANT1	802.11b	2462.00	25000.000	7.509	-38.009	-12.491	Pass
NVNT	ANT1	802.11g	2412.00	24970.036	6.437	-38.188	-13.563	Pass
NVNT	ANT1	802.11g	2437.00	24905.114	6.675	-43.579	-13.325	Pass
NVNT	ANT1	802.11g	2462.00	24965.042	5.665	-39.741	-14.335	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24960.048	6.006	-43.982	-13.994	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24940.072	6.530	-43.879	-13.470	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24950.060	6.913	-40.661	-13.087	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24910.108	6.431	-39.918	-13.569	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24980.024	0.036	-50.244	-19.964	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24905.114	0.318	-45.679	-19.682	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2194.899	-1.125	-50.384	-21.125	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24895.126	3.627	-42.035	-16.373	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2502.030	3.836	-38.848	-16.164	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24972.533	2.810	-47.403	-17.190	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	24985.018	3.463	-42.312	-16.537	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2502.030	2.298	-35.867	-17.702	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



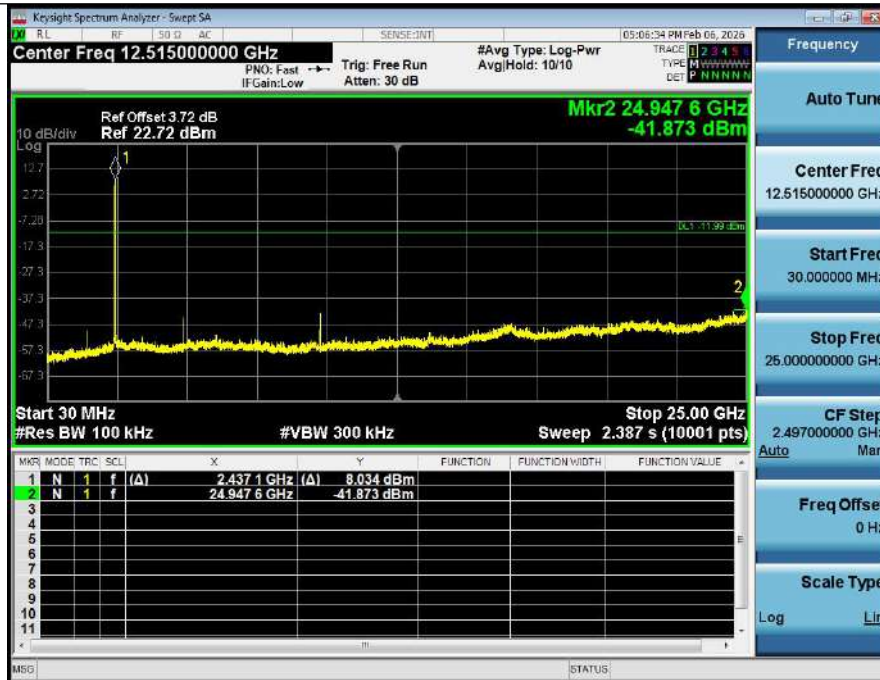
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1 Reference Level NVNT_ANT1_802_11b_2437



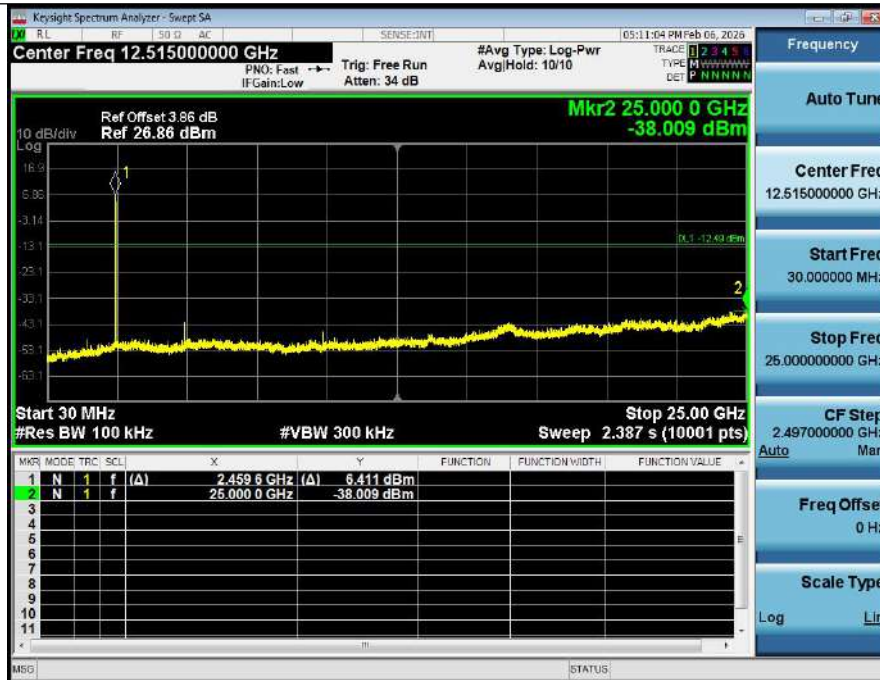
2 Spurious Emission NVNT_ANT1_802_11b_2437



1 Reference Level NVNT ANT1 802 11b 2462



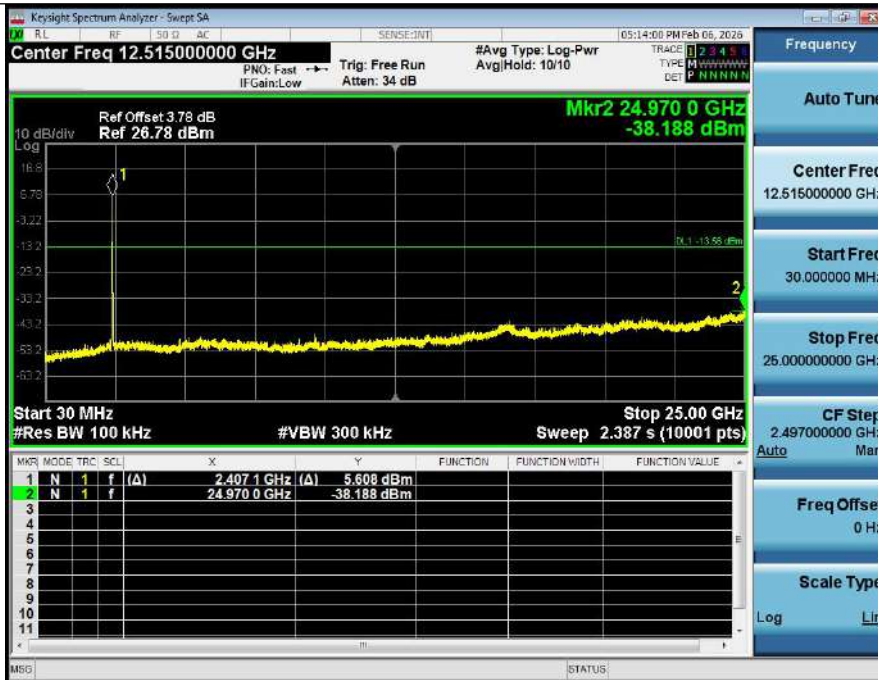
2 Spurious Emission NVNT ANT1 802 11b 2462



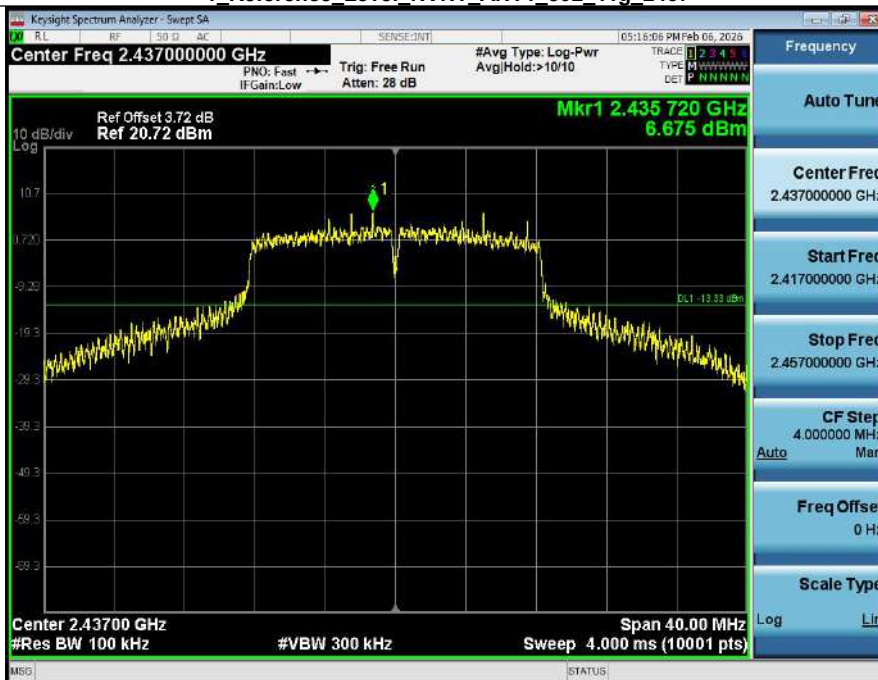
1 Reference Level NVNT_ANT1_802_11g_2412



2 Spurious Emission NVNT_ANT1_802_11g_2412



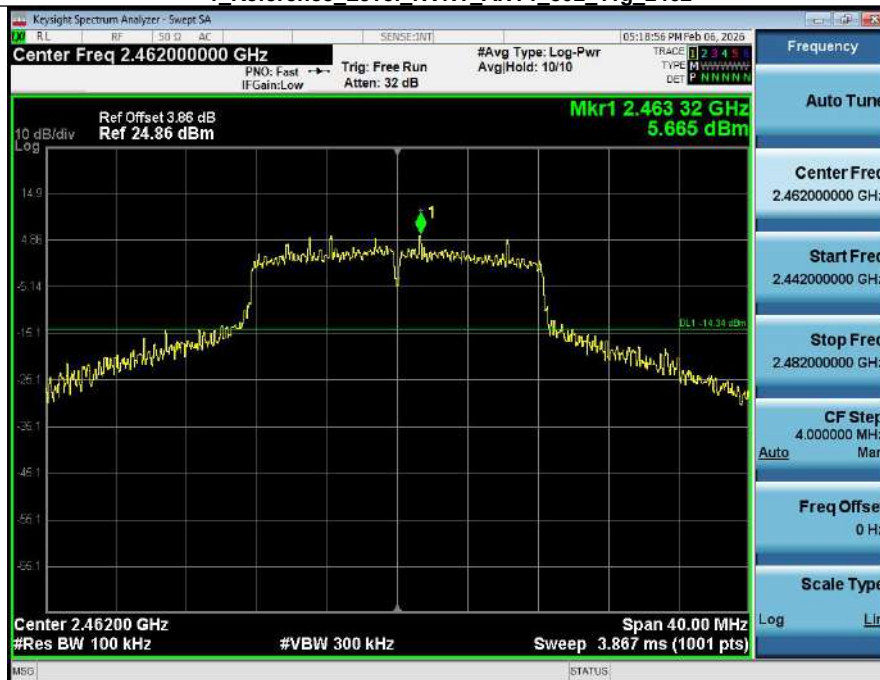
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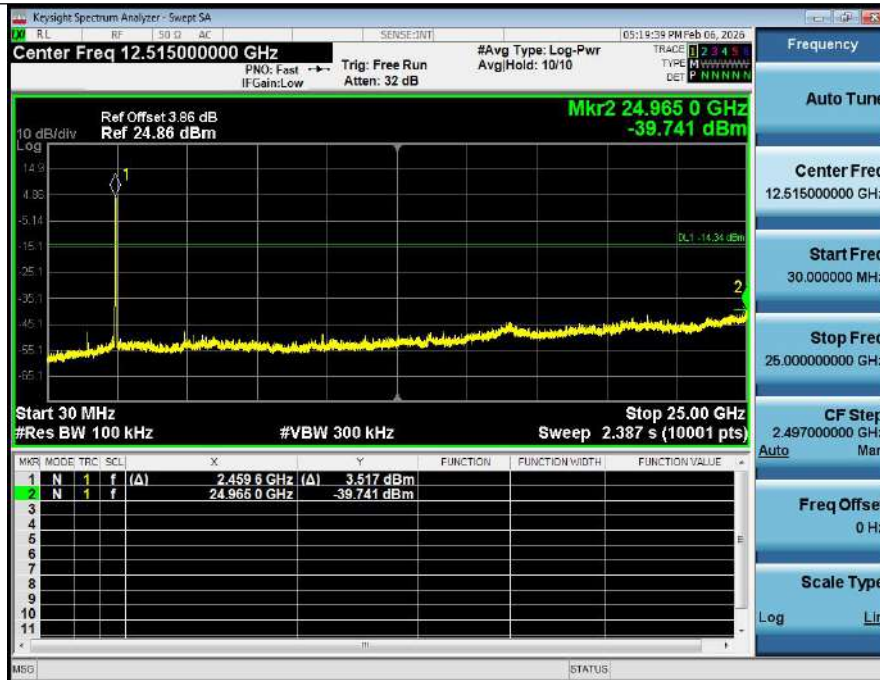
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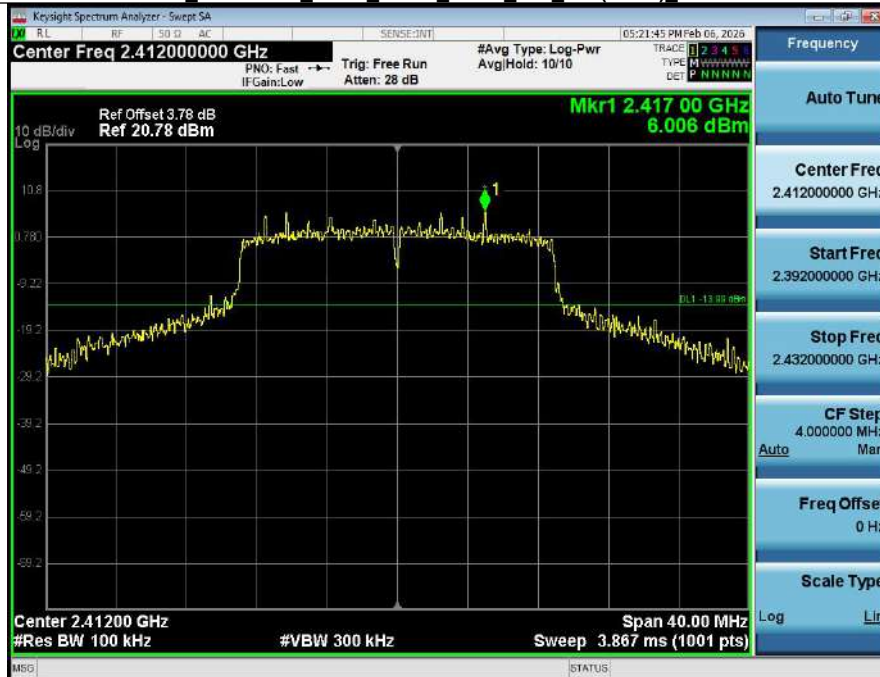
1 Reference Level NVNT_ANT1_802_11g_2462



2 Spurious Emission NVNT_ANT1_802_11g_2462



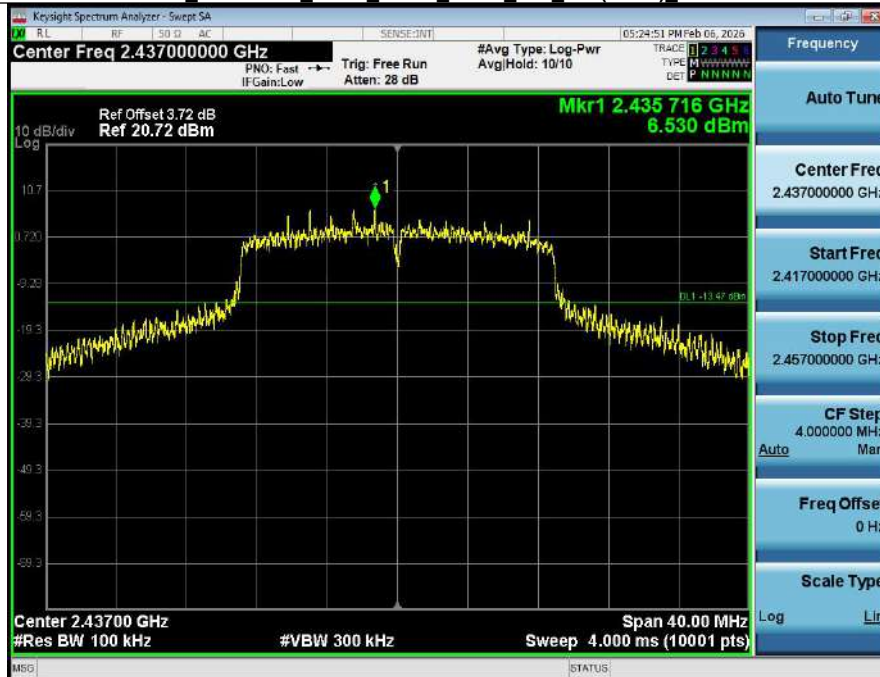
1 Reference Level NVNT ANT1 802 11n(HT20) 2412



2 Spurious Emission NVNT ANT1 802 11n(HT20) 2412



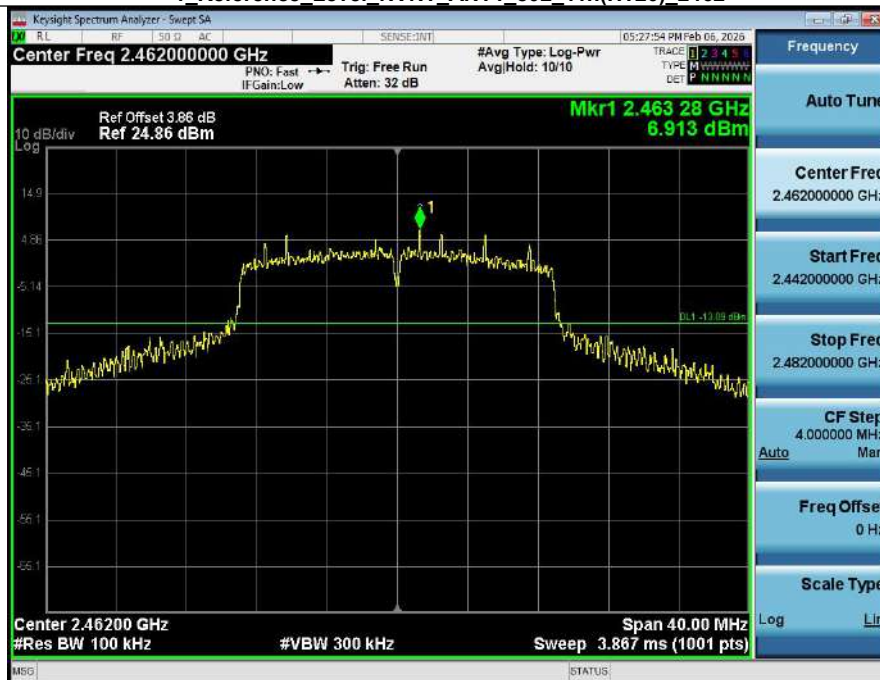
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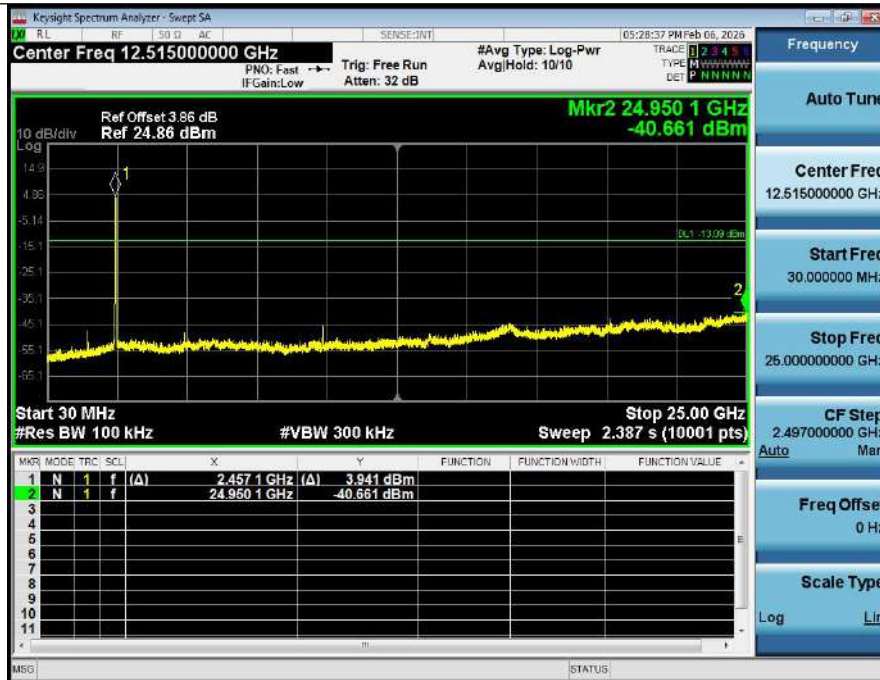
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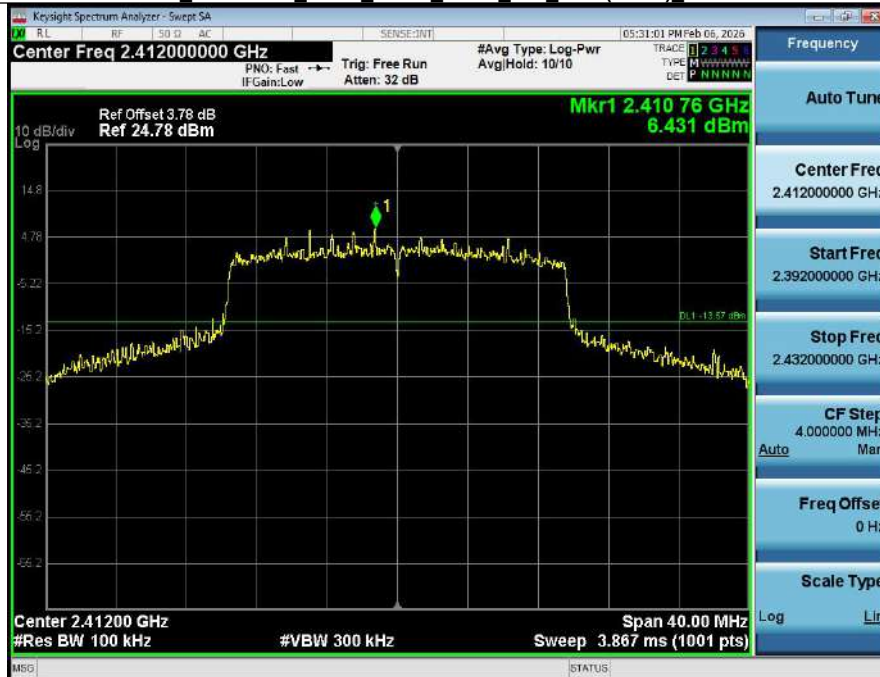
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2 Spurious Emission NVNT ANT1 802 11n(HT20) 2462



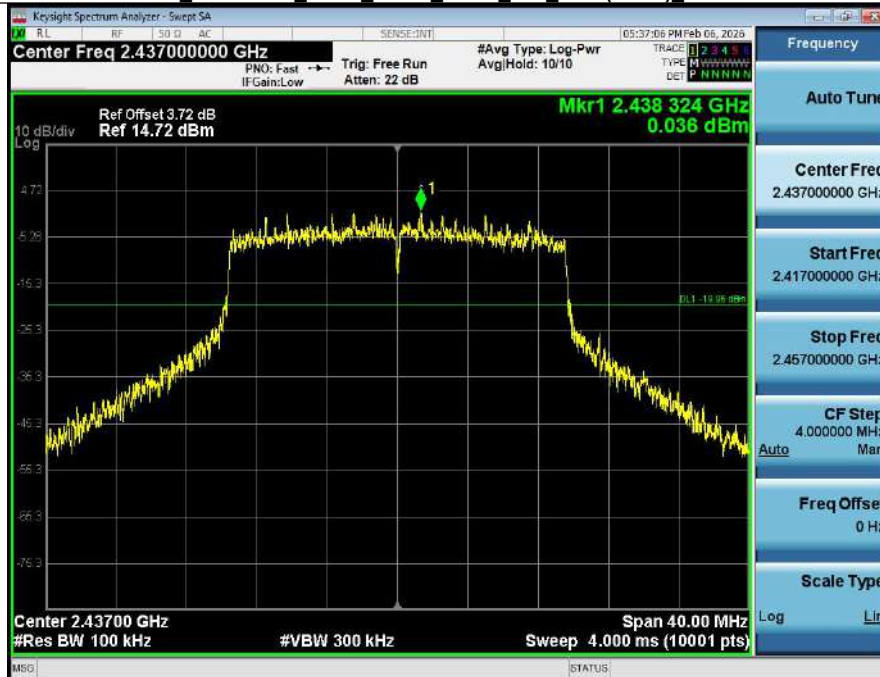
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2412



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2412



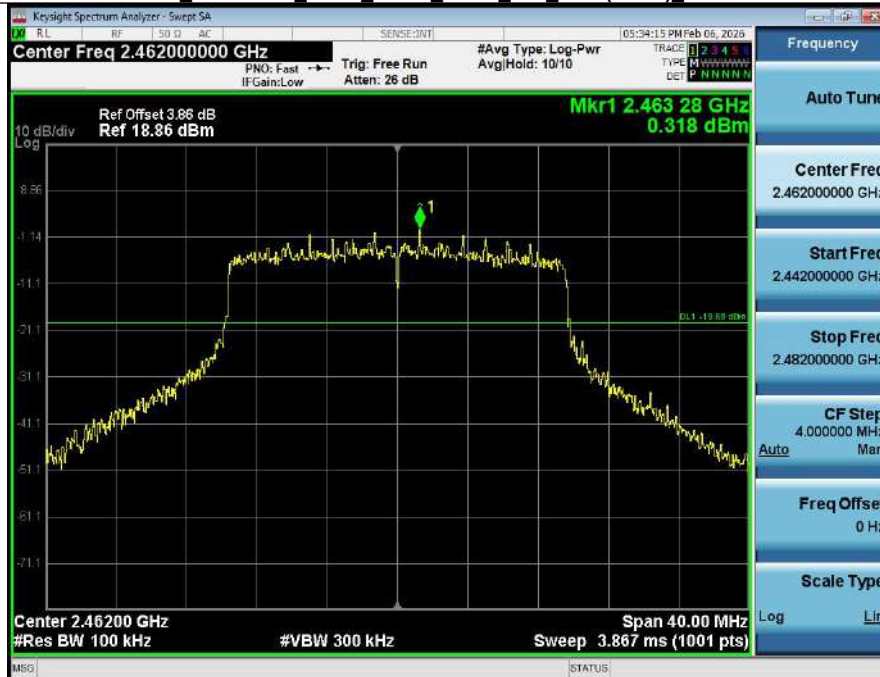
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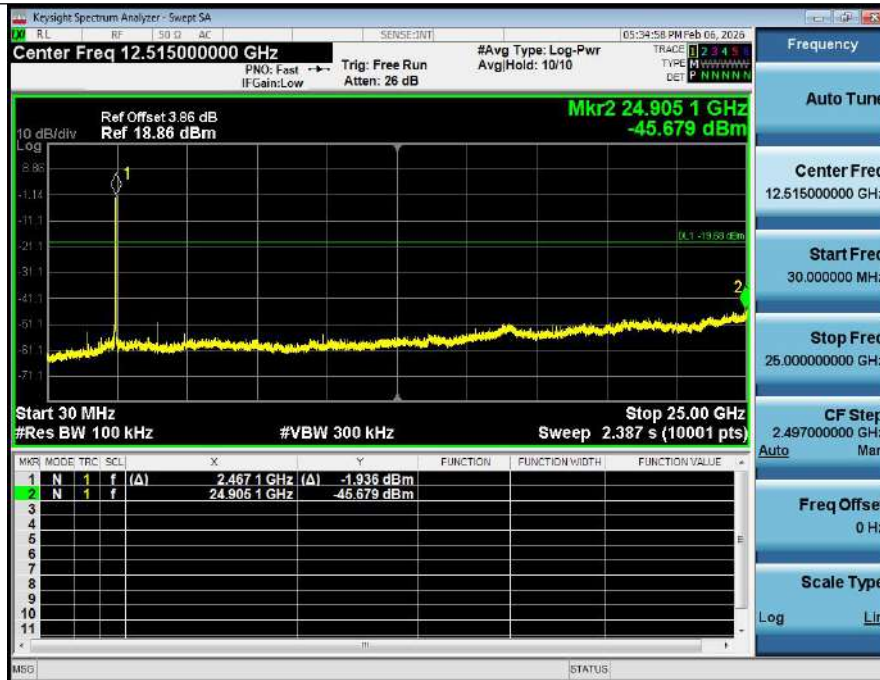
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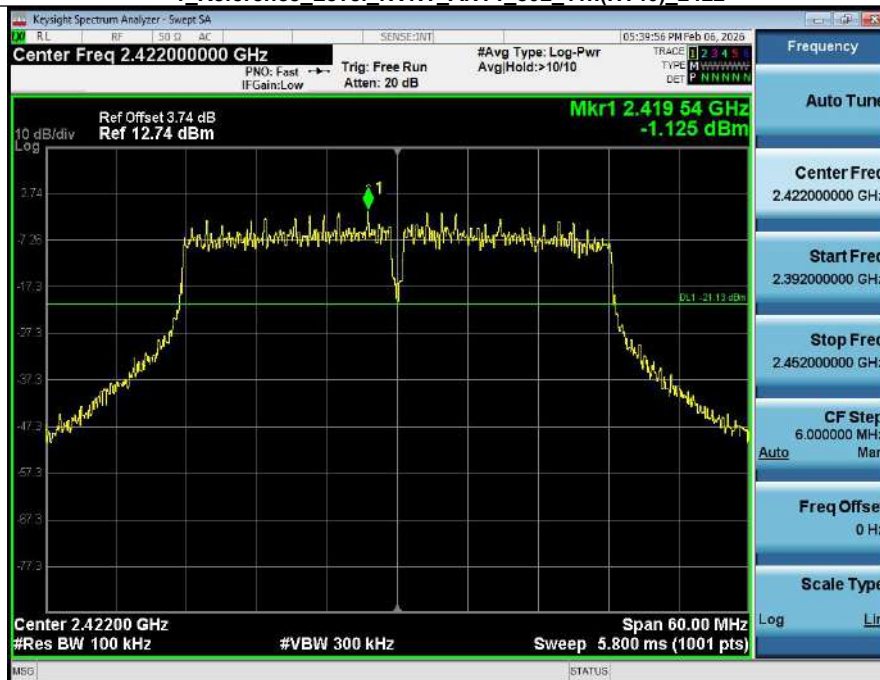
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2 Spurious Emission NVNT ANT1_802_11ax(HE20)_2462



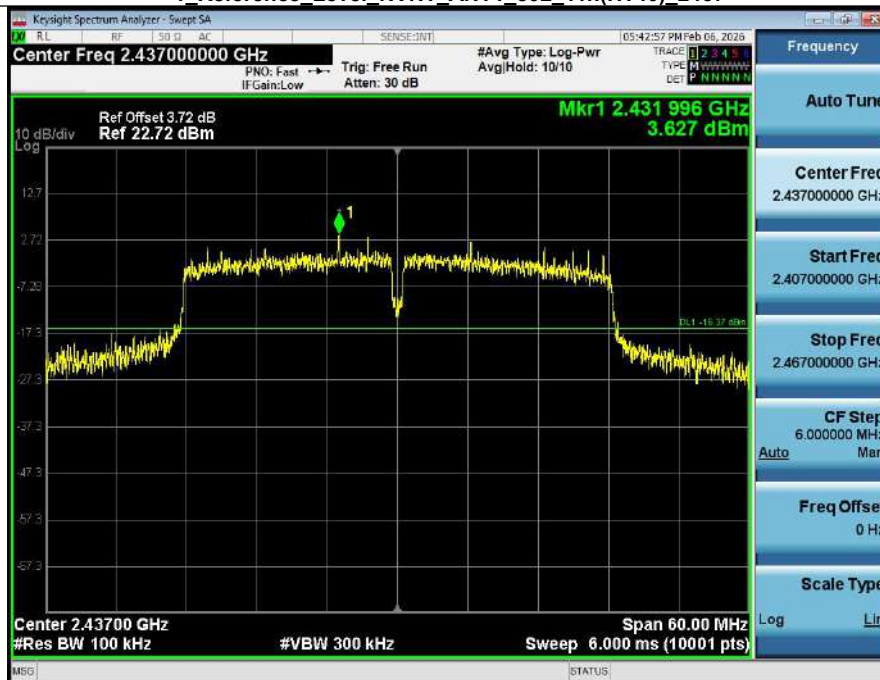
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2422



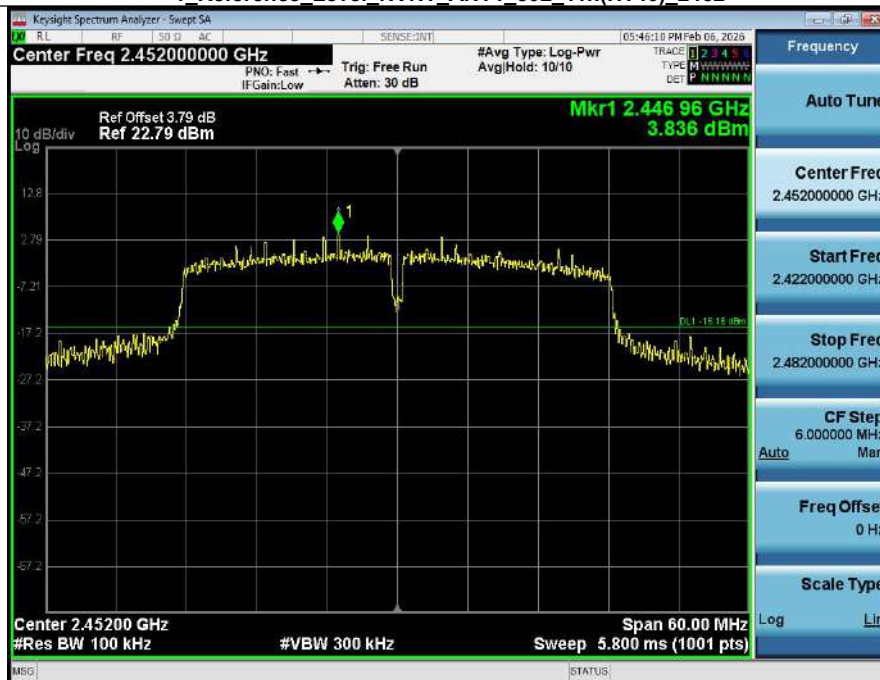
1 Reference Level NVNT ANT1 802 11n(HT40) 2437



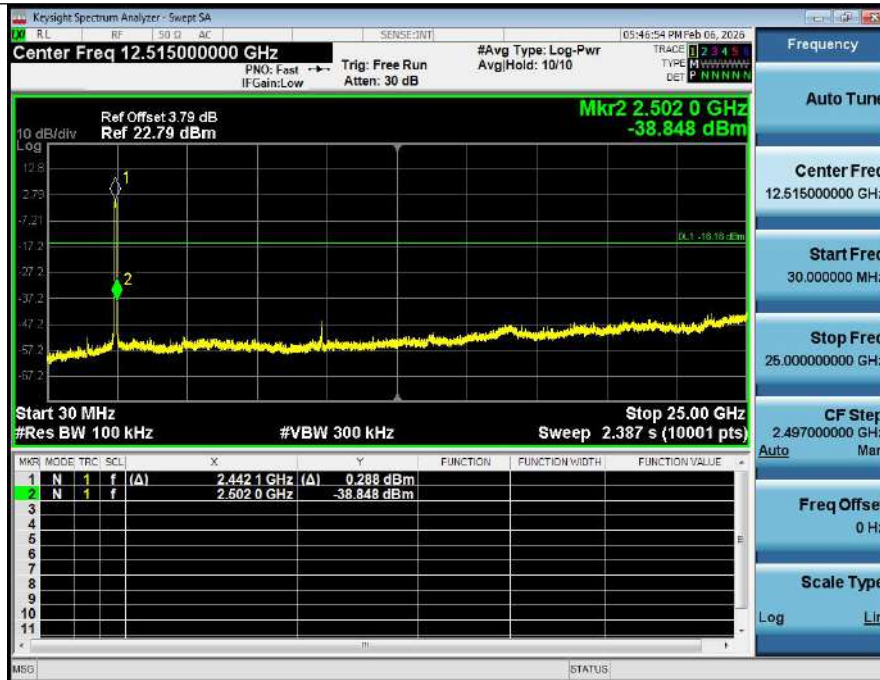
2 Spurious Emission NVNT ANT1 802 11n(HT40) 2437



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



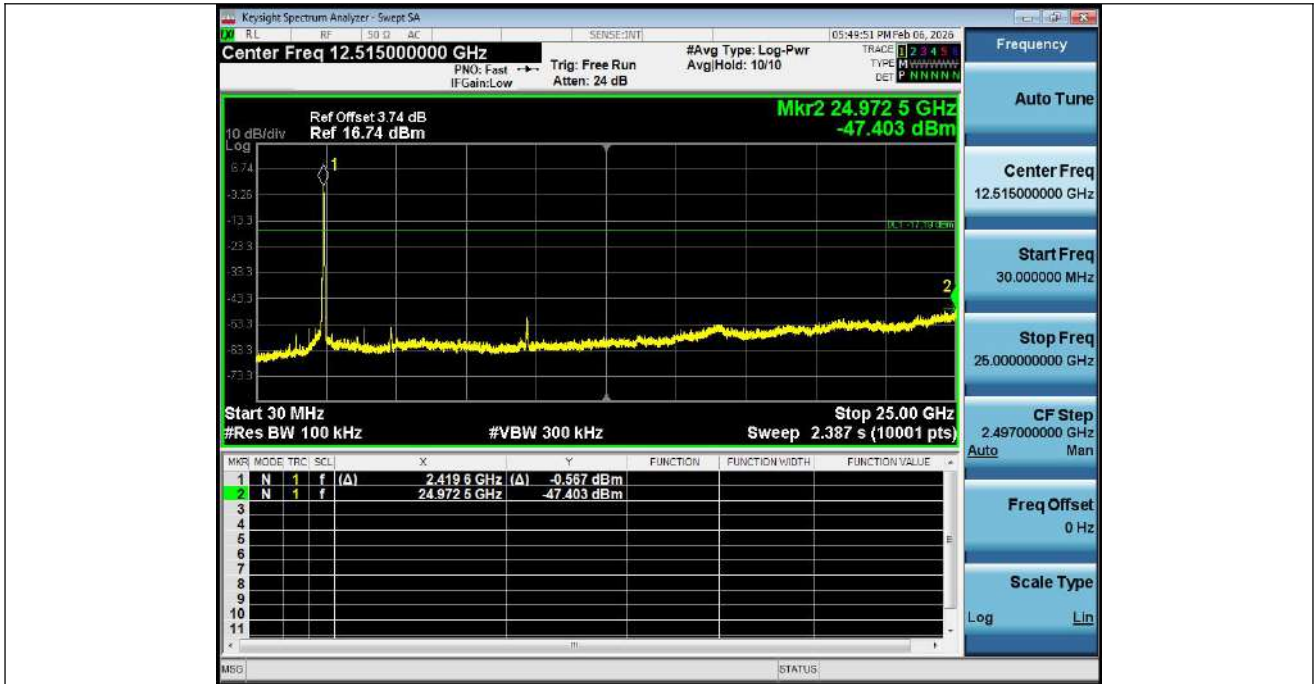
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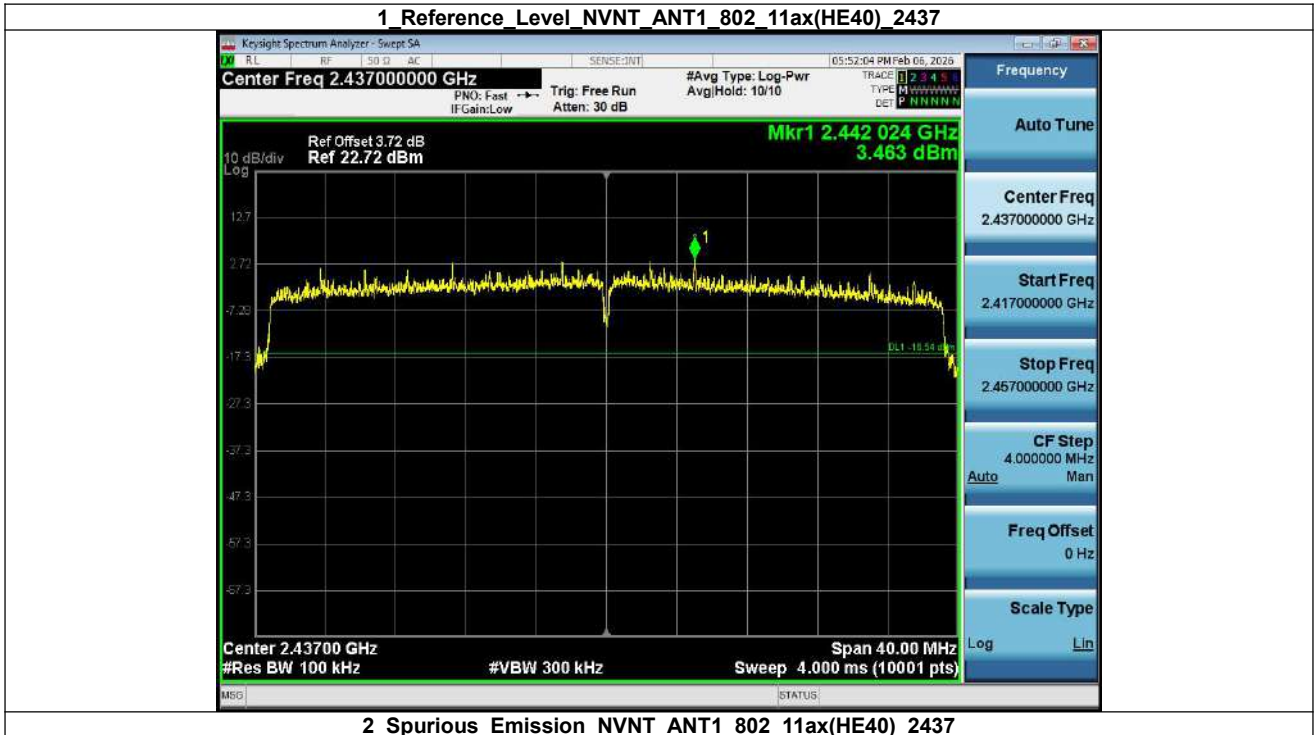
1 Reference Level NVNT ANT1_802_11ax(HE40)_2422



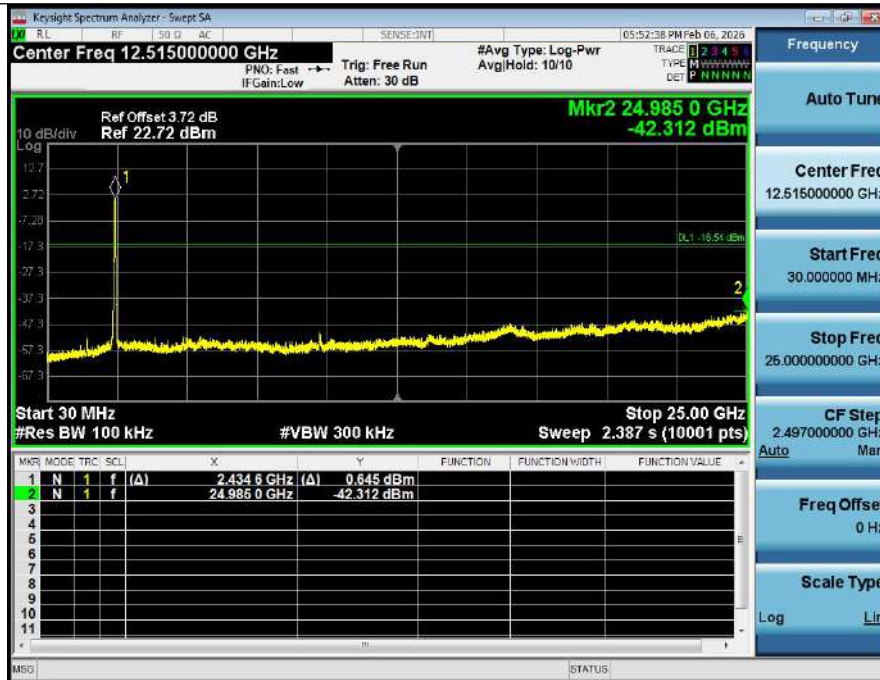
2 Spurious Emission NVNT ANT1_802_11ax(HE40)_2422



1 Reference Level NVNT ANT1_802_11ax(HE40) 2437



2 Spurious Emission NVNT ANT1_802_11ax(HE40) 2437



1 Reference Level NVNT ANT1_802_11ax(HE40)_2452



2 Spurious Emission NVNT ANT1_802_11ax(HE40)_2452

