

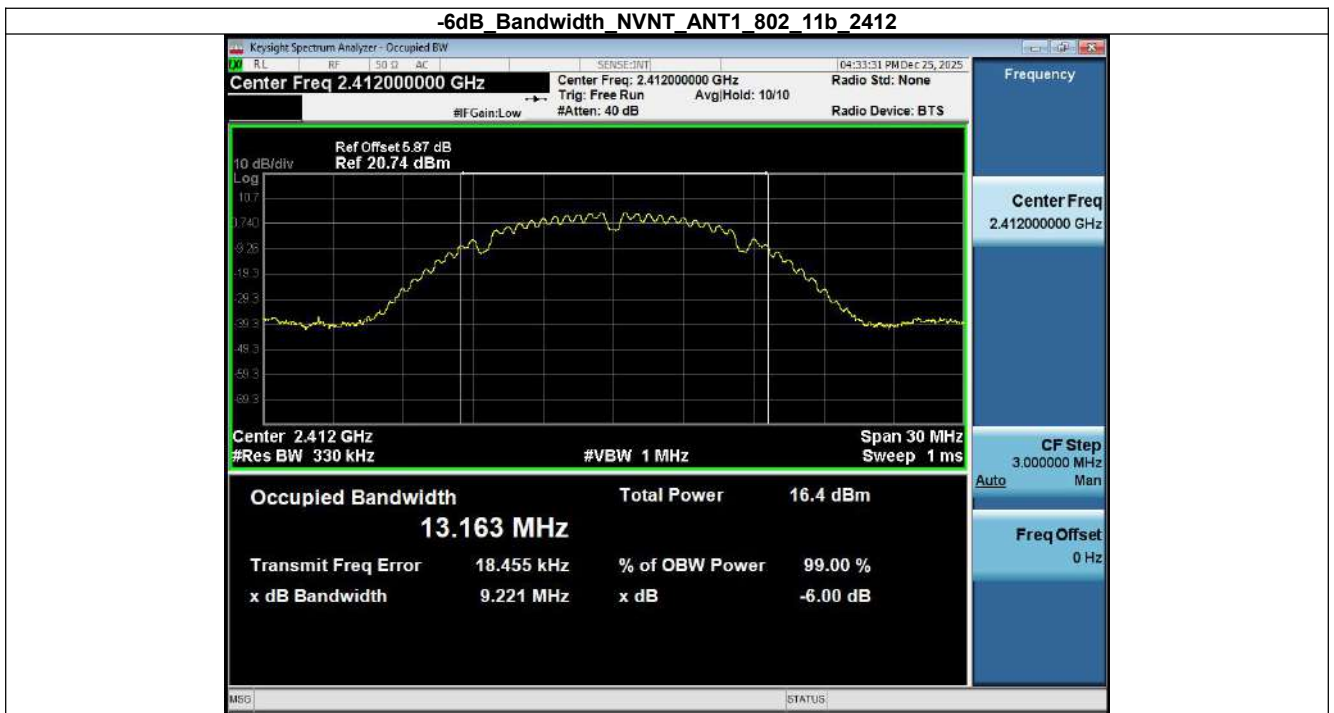
Report No.: NCT25051898E1-2
FCC ID:2AL6KBL-M8800DS240L
FCC_2.4G_WIFI (Part15.247) Test Data

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1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.22	500	Pass
NVNT	ANT1	802.11b	2437.00	9.21	500	Pass
NVNT	ANT1	802.11b	2462.00	9.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.41	500	Pass
NVNT	ANT1	802.11g	2437.00	16.46	500	Pass
NVNT	ANT1	802.11g	2462.00	16.52	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.64	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.70	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.59	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	18.80	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	19.00	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	18.96	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.12	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.39	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.14	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	37.39	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	37.75	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	37.40	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



-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

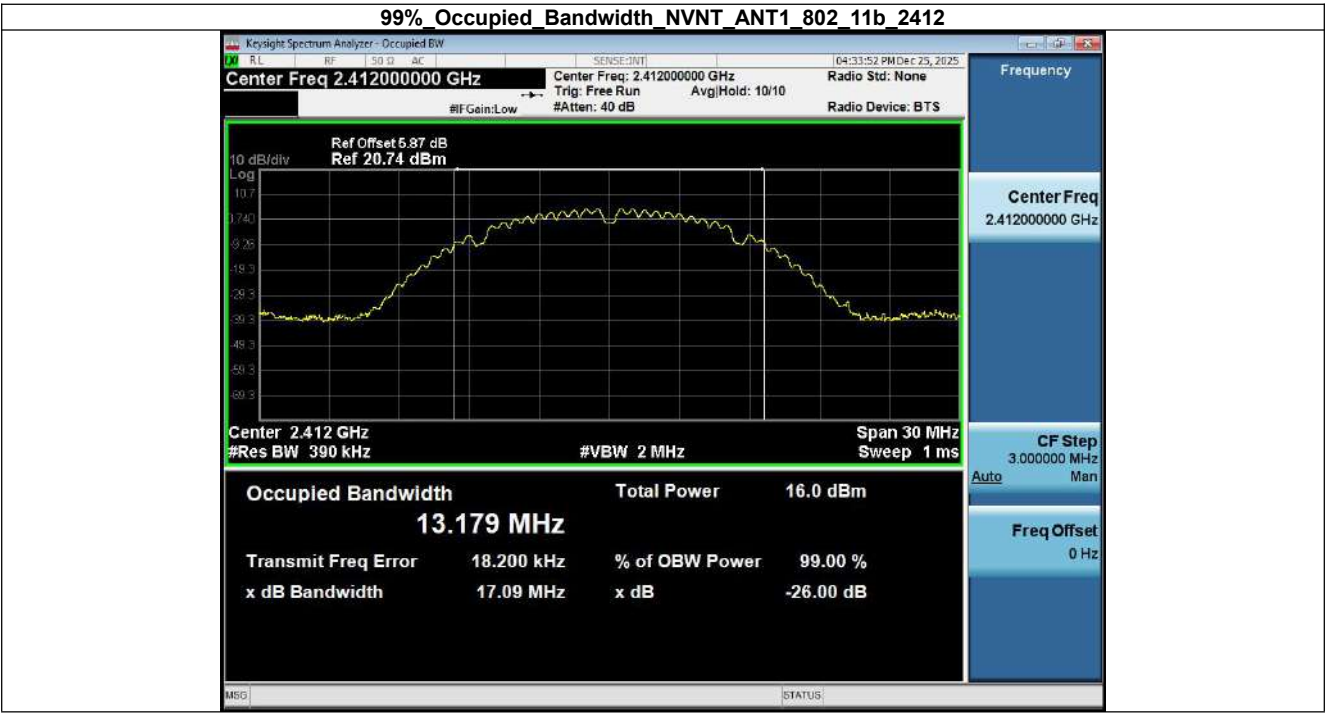


-6dB_Bandwidth_NVNT_ANT1_802_11ax(HE40)_2452



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	13.179
NVNT	ANT1	802.11b	2437.00	13.152
NVNT	ANT1	802.11b	2462.00	13.180
NVNT	ANT1	802.11g	2412.00	18.002
NVNT	ANT1	802.11g	2437.00	17.944
NVNT	ANT1	802.11g	2462.00	17.942
NVNT	ANT1	802.11n(HT20)	2412.00	19.182
NVNT	ANT1	802.11n(HT20)	2437.00	18.910
NVNT	ANT1	802.11n(HT20)	2462.00	19.100
NVNT	ANT1	802.11ax(HE20)	2412.00	19.592
NVNT	ANT1	802.11ax(HE20)	2437.00	19.303
NVNT	ANT1	802.11ax(HE20)	2462.00	19.306
NVNT	ANT1	802.11n(HT40)	2422.00	36.835
NVNT	ANT1	802.11n(HT40)	2437.00	37.340
NVNT	ANT1	802.11n(HT40)	2452.00	37.262
NVNT	ANT1	802.11ax(HE40)	2422.00	38.431
NVNT	ANT1	802.11ax(HE40)	2437.00	38.371
NVNT	ANT1	802.11ax(HE40)	2452.00	38.318



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_11n(HT40)_2452



99% Occupied Bandwidth_NVNT_ANT1_802_11ax(HE40)_2422



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11ax(HE40)_2452



3. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	11.01	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	11.23	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	10.98	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	18.54	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	18.80	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	17.95	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	18.33	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	18.74	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	17.76	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	19.89	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	18.63	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	17.53	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	17.05	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	18.67	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	18.17	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	19.55	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	20.31	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	19.80	30	Pass

4. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	2.20	8	Pass
NVNT	ANT1	802.11b	2437.00	0.85	8	Pass
NVNT	ANT1	802.11b	2462.00	0.33	8	Pass
NVNT	ANT1	802.11g	2412.00	-3.23	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.87	8	Pass
NVNT	ANT1	802.11g	2462.00	-4.38	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.32	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-2.99	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-4.55	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	-2.94	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-4.82	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-5.97	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-7.32	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-6.39	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.07	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-7.27	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-6.39	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-7.15	8	Pass



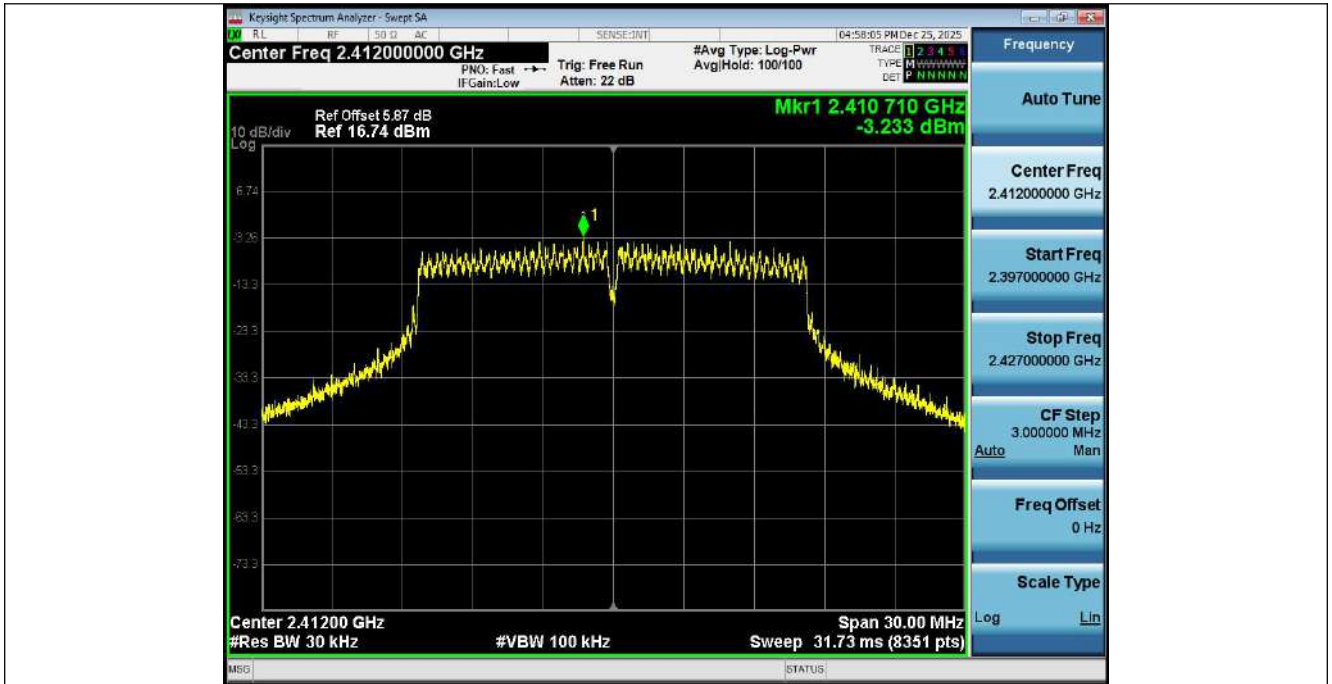
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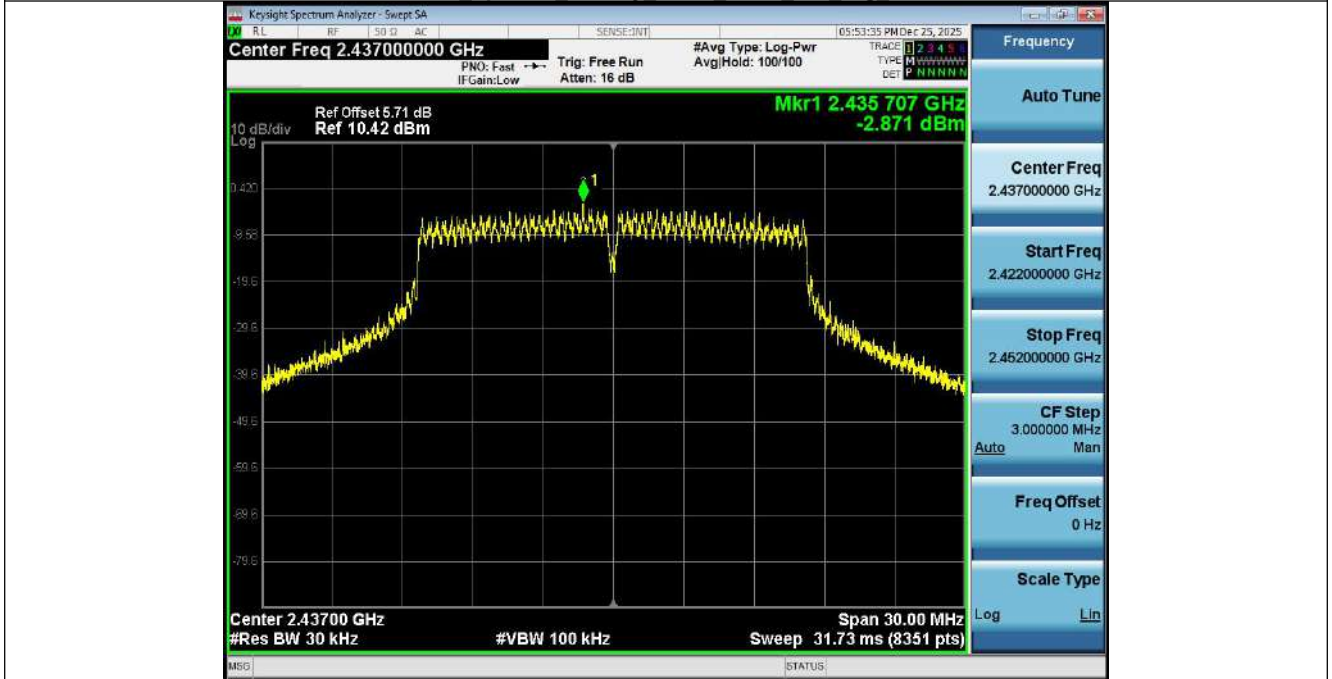
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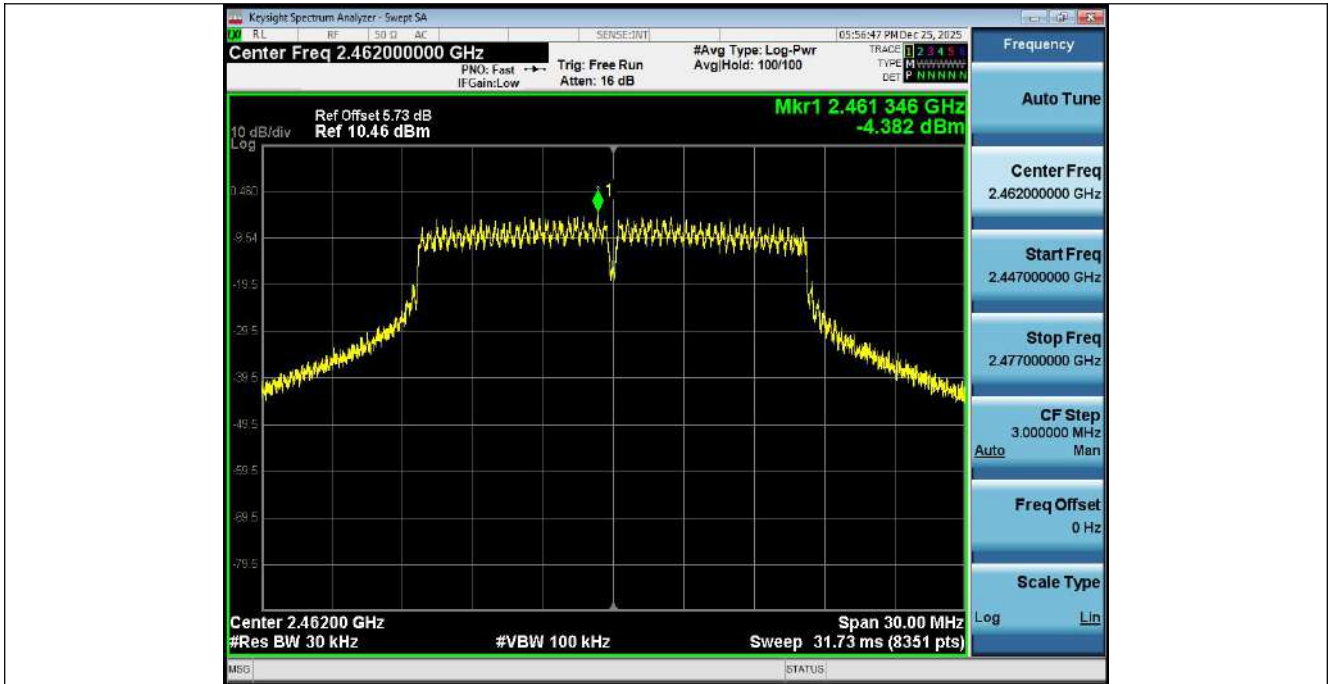
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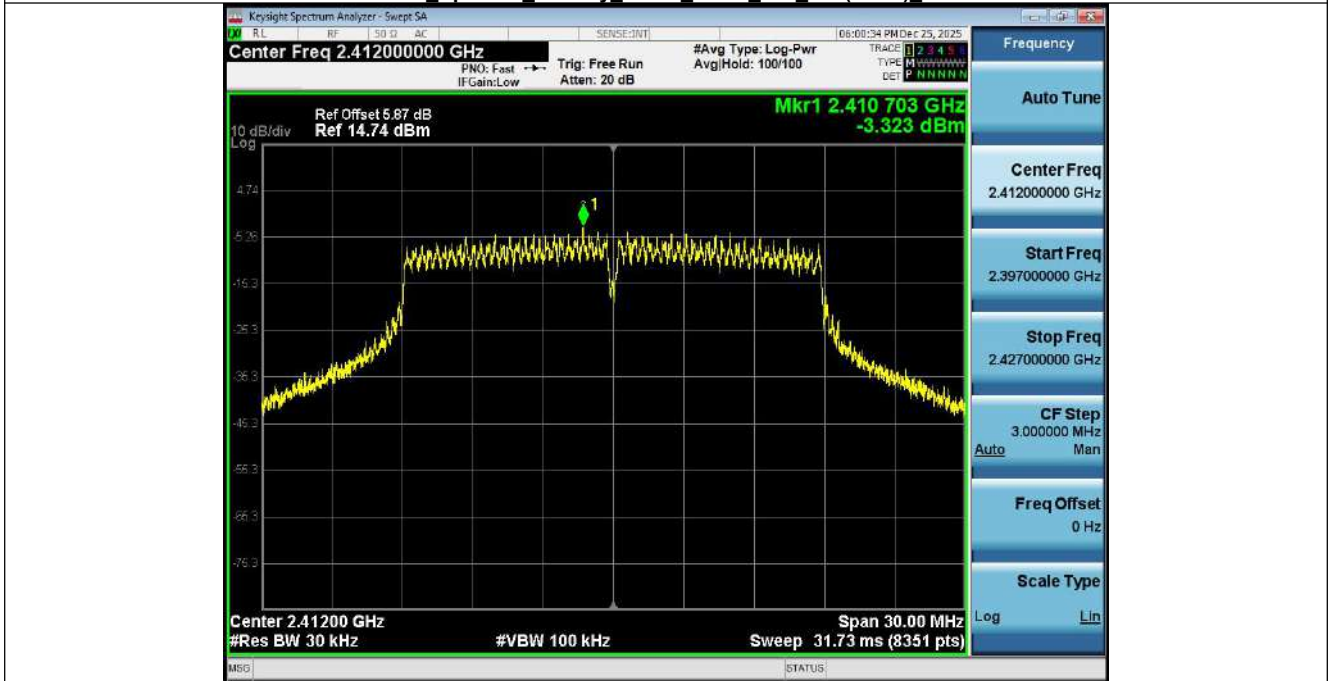
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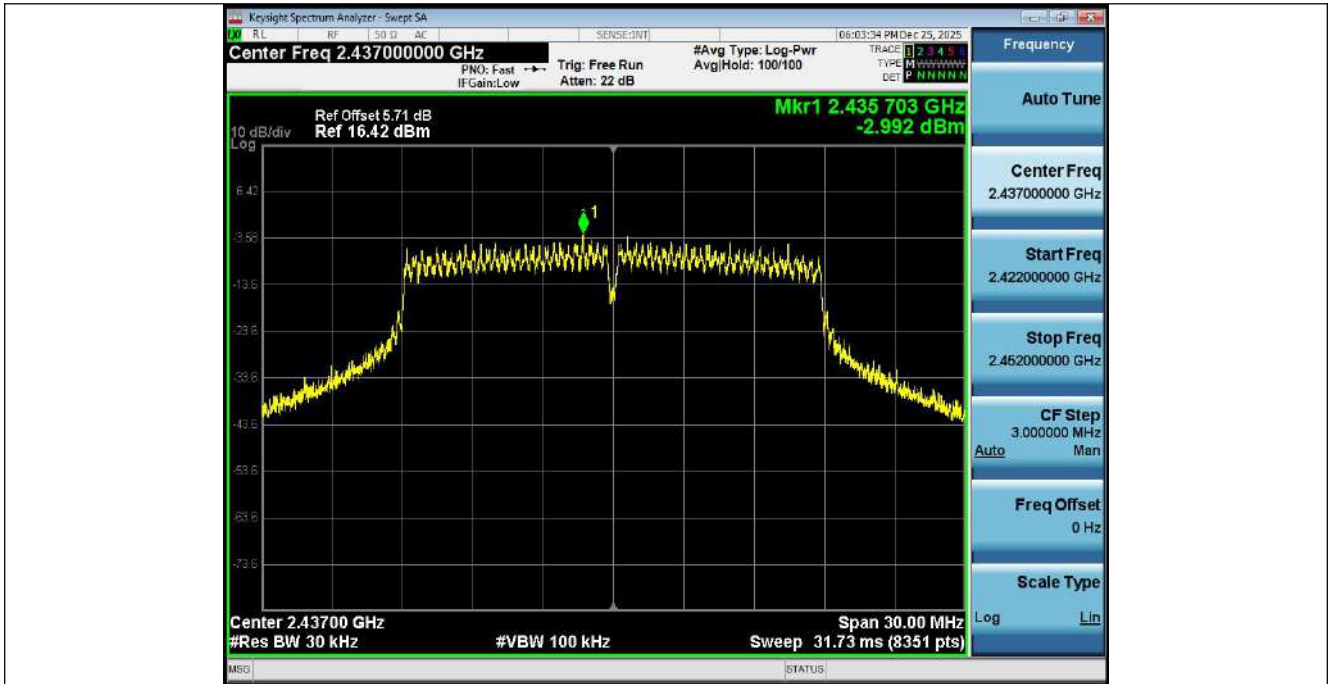
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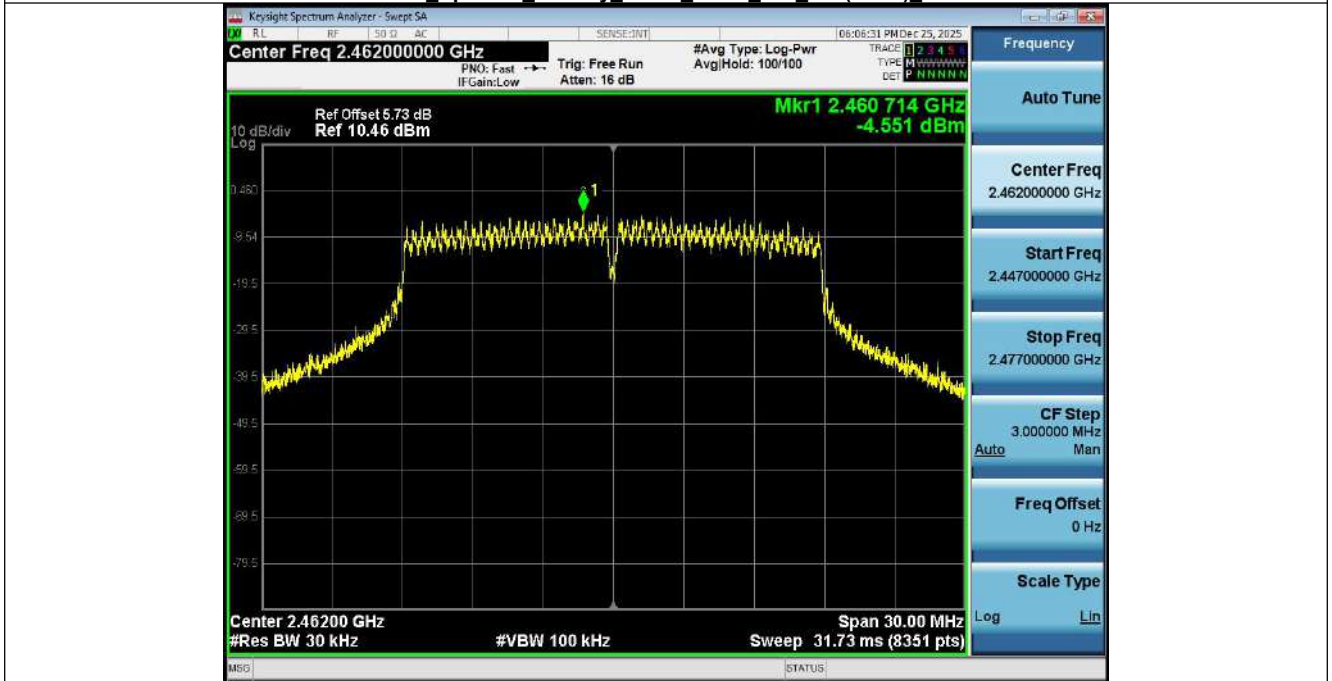
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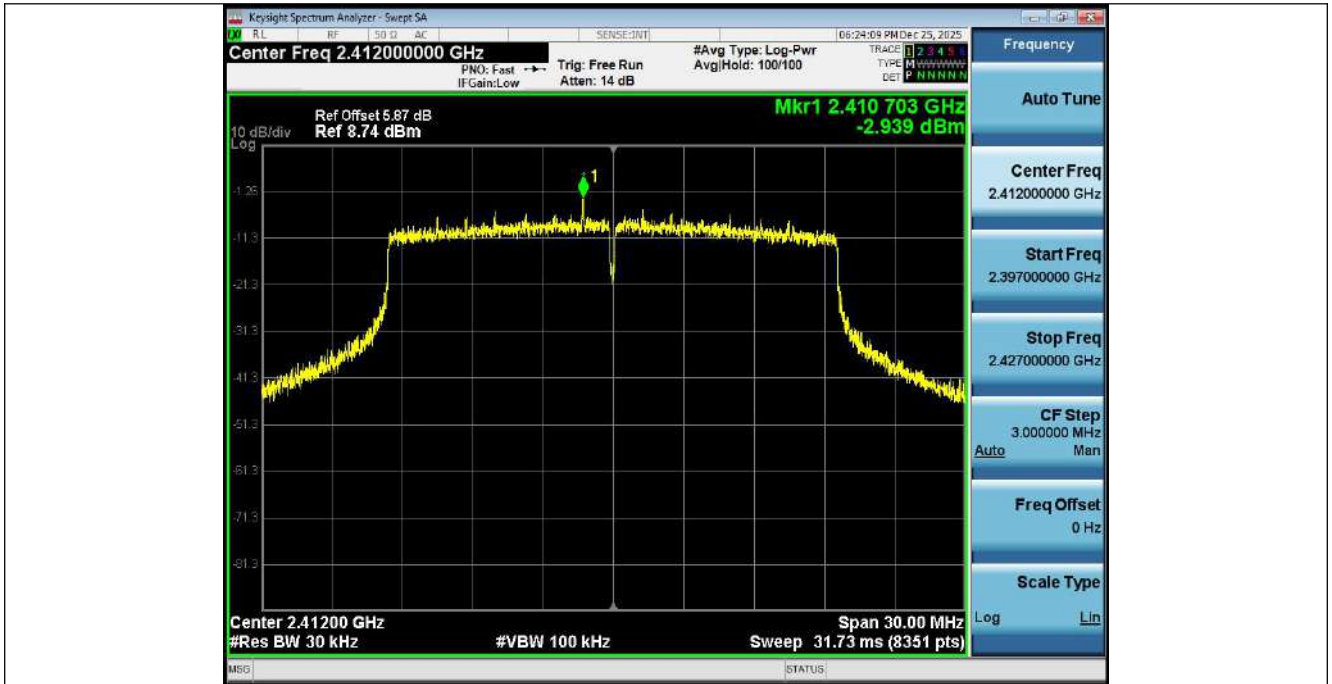
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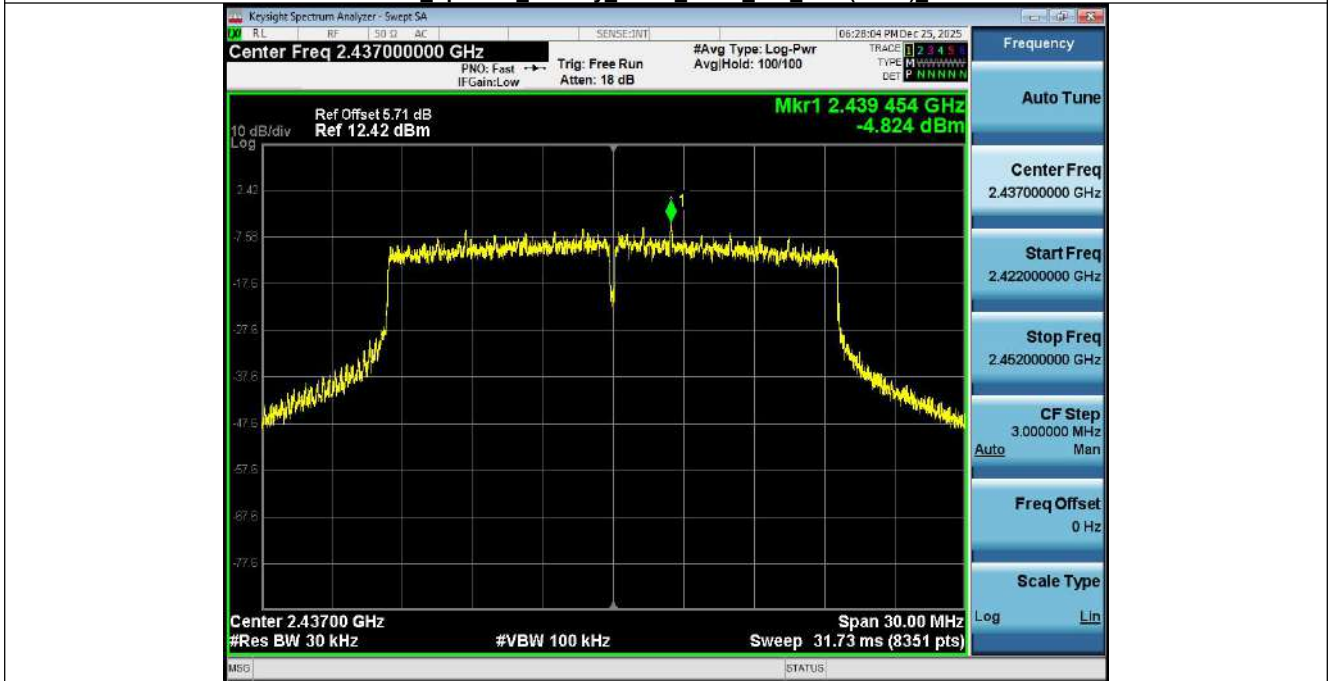
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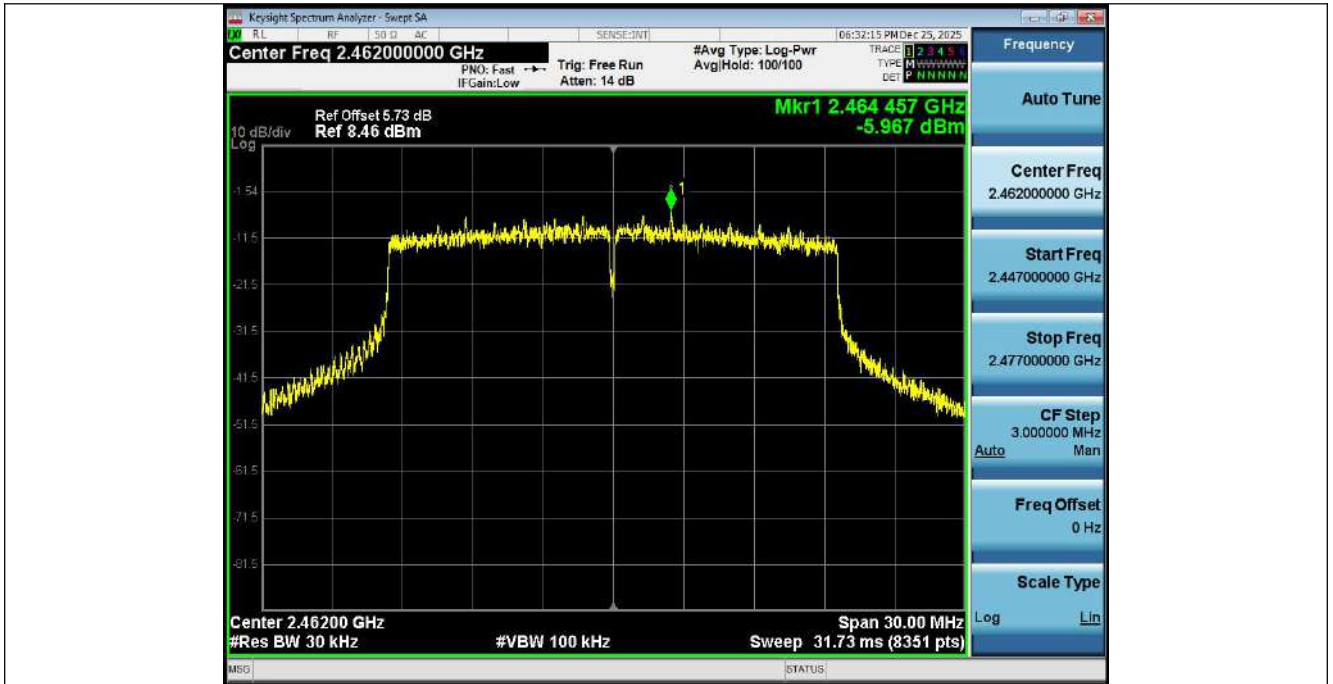
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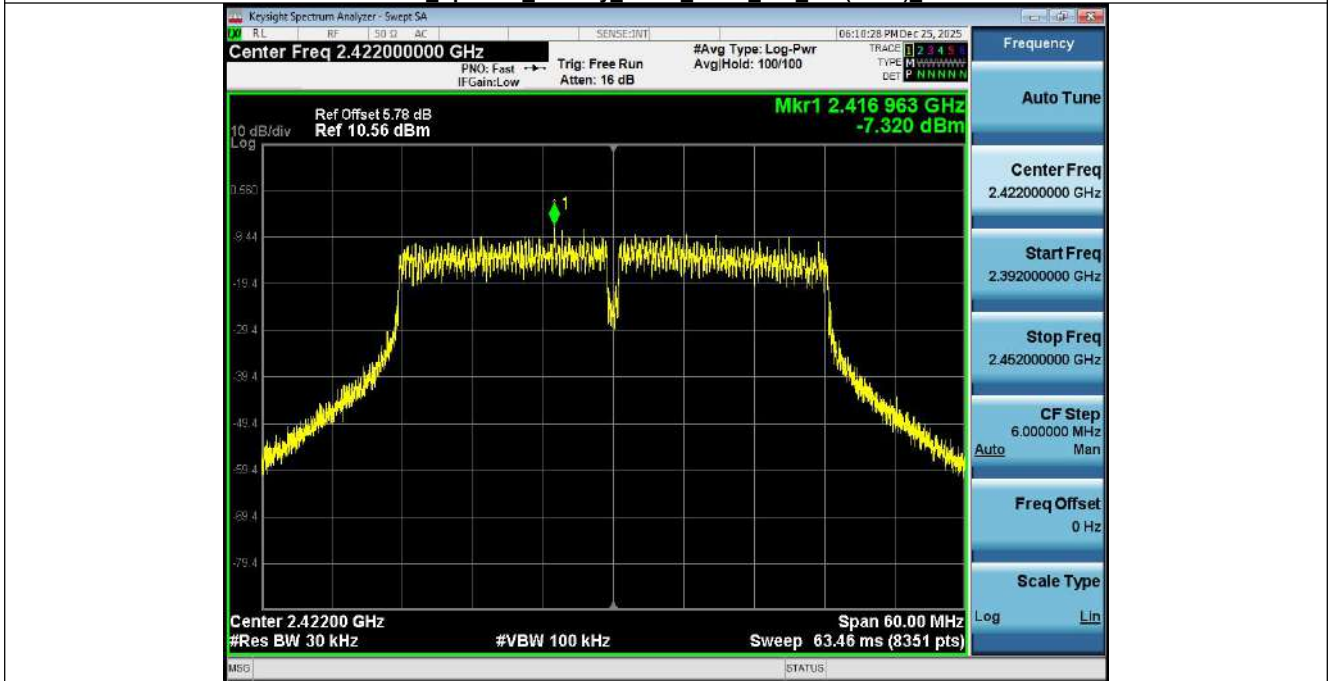
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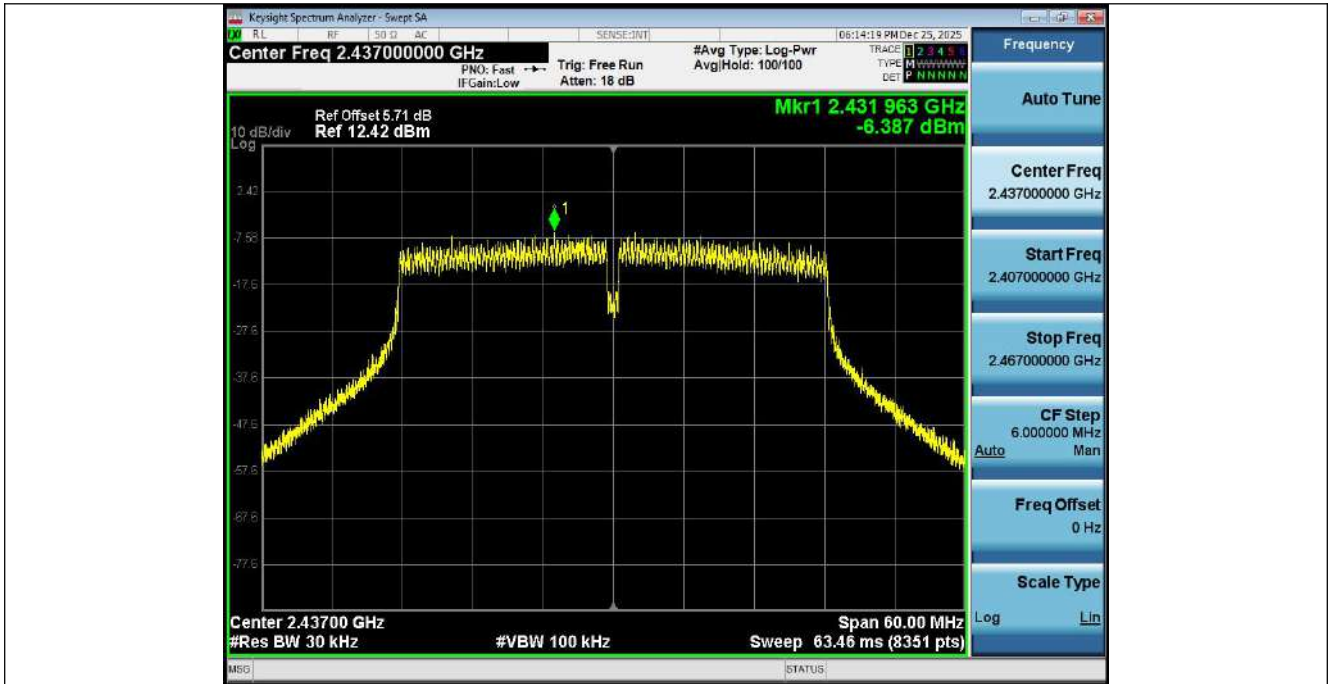
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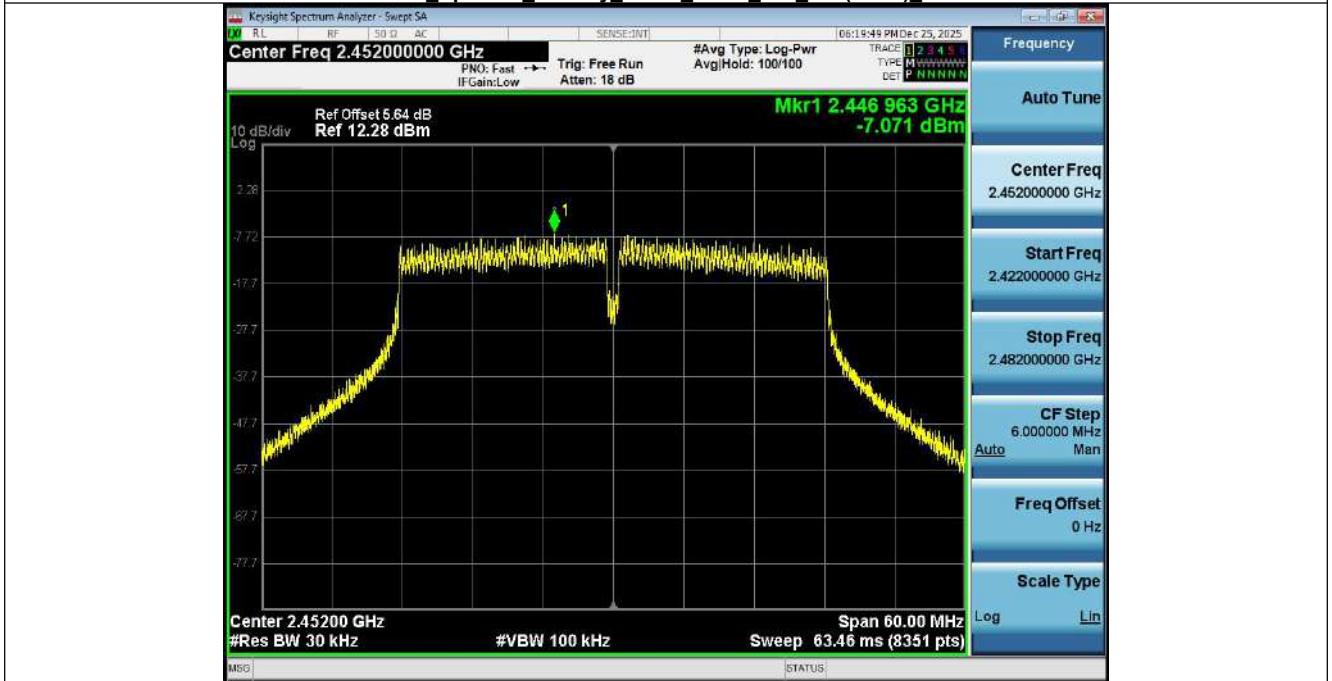
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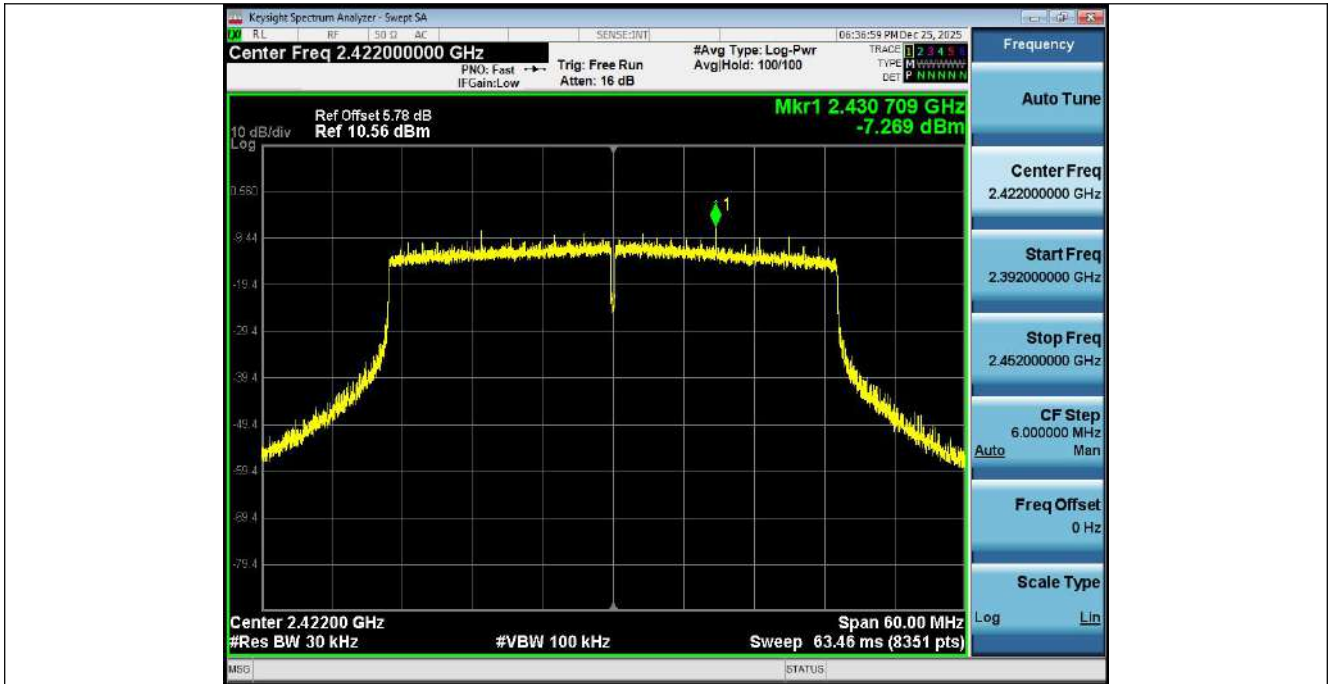
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Power Spectral Density NVNT ANT1 802_11n(HT40) 2452



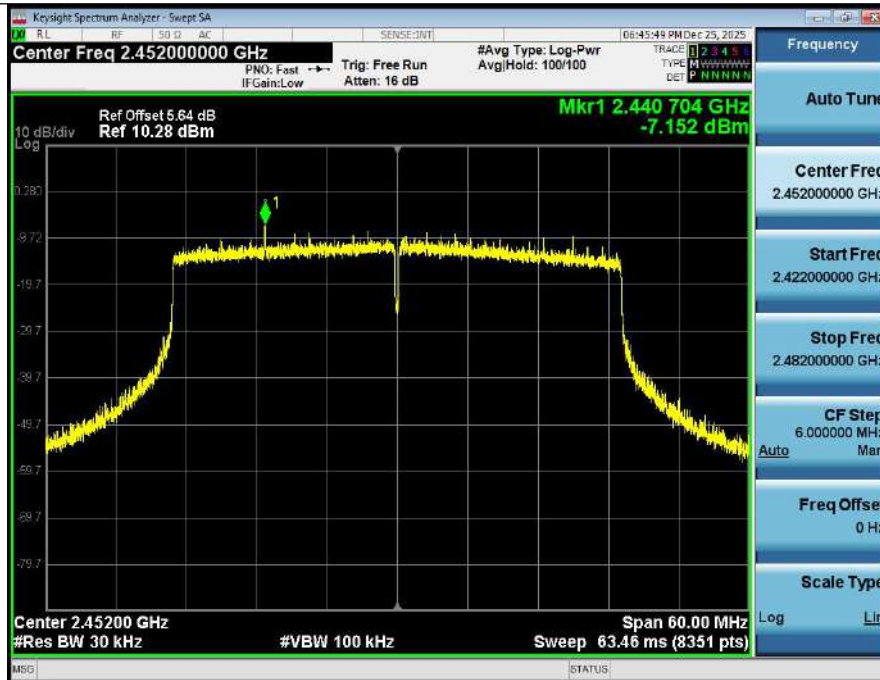
Power Spectral Density NVNT ANT1 802_11ax(HE40) 2422



Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2437



Power Spectral Density_NVNT_ANT1_802_11ax(HE40)_2452



5. 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	4.089	-41.625	-15.911	Pass
NVNT	ANT1	802.11b	2462.00	2498.224	3.065	-53.163	-16.935	Pass
NVNT	ANT1	802.11g	2412.00	2399.376	0.067	-29.850	-19.933	Pass
NVNT	ANT1	802.11g	2462.00	2483.776	0.203	-52.292	-19.797	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	0.904	-29.044	-19.096	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.632	-0.283	-50.574	-20.283	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.600	0.119	-29.649	-19.881	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2484.400	-0.630	-51.656	-20.630	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-3.264	-36.154	-23.264	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.700	-2.702	-49.362	-22.702	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.100	-3.026	-34.538	-23.026	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2484.904	-2.566	-50.013	-22.566	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



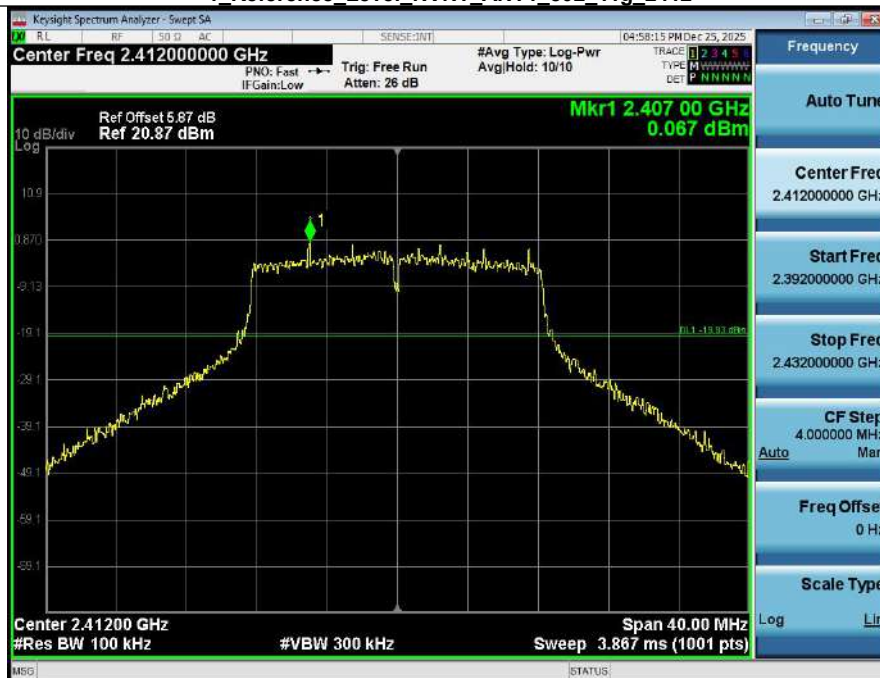
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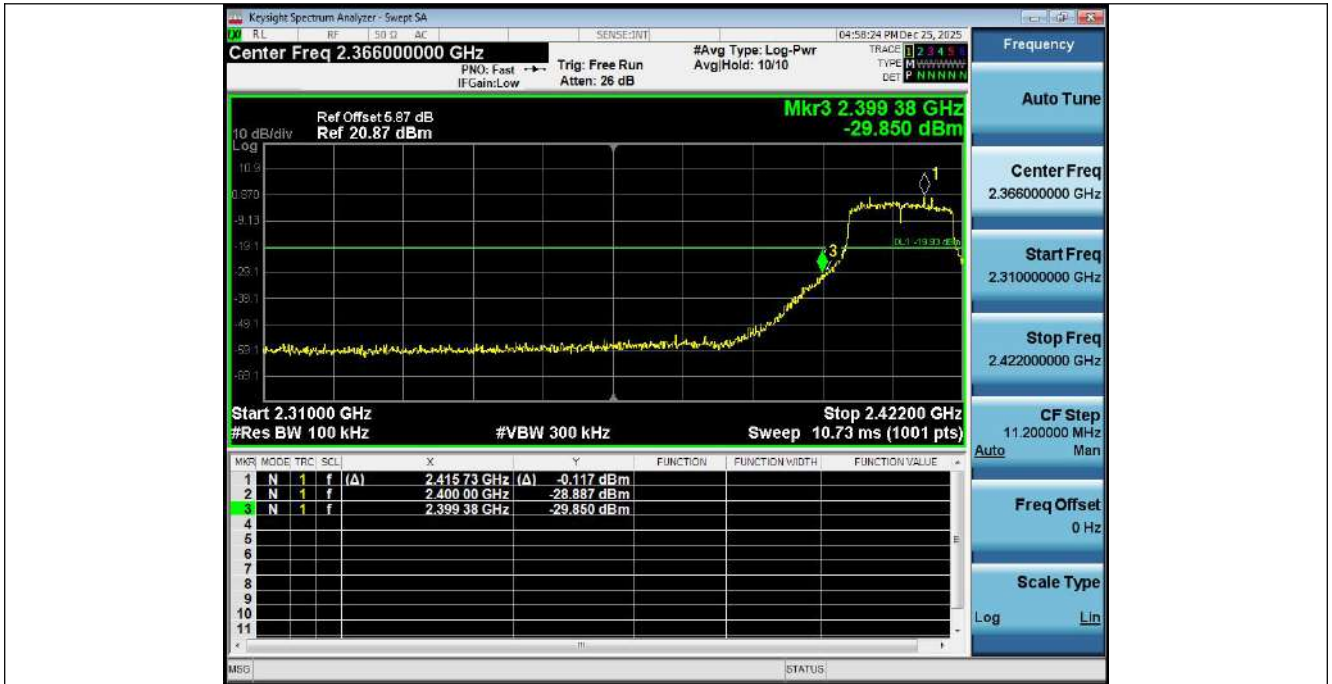
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1 Reference Level NVNT_ANT1_802_11g_2412



2_Bandedge_NVNT_ANT1_802_11g_2412



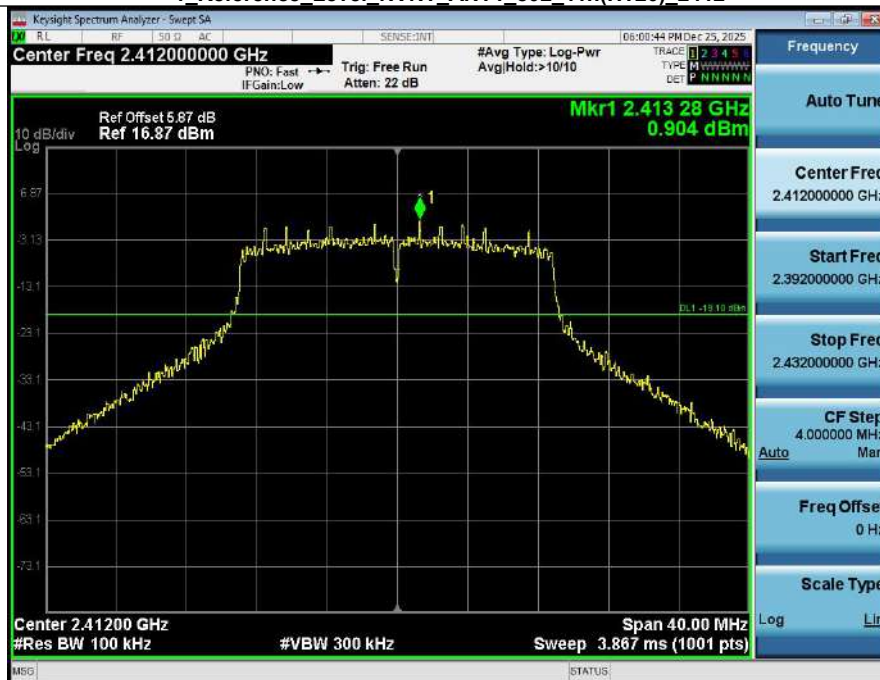
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2_Bandedge_NVNT_ANT1_802_11g_2462



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



2 Bandedge NVNT ANT1 802 11n(HT20) 2412



1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



2 Bandedge NVNT_ANT1_802_11n(HT20)_2462



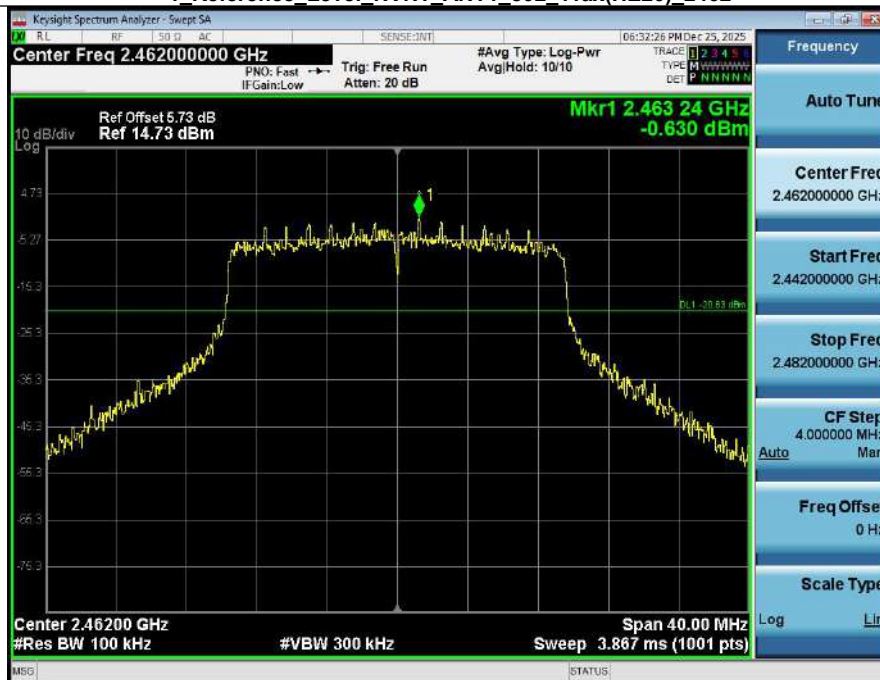
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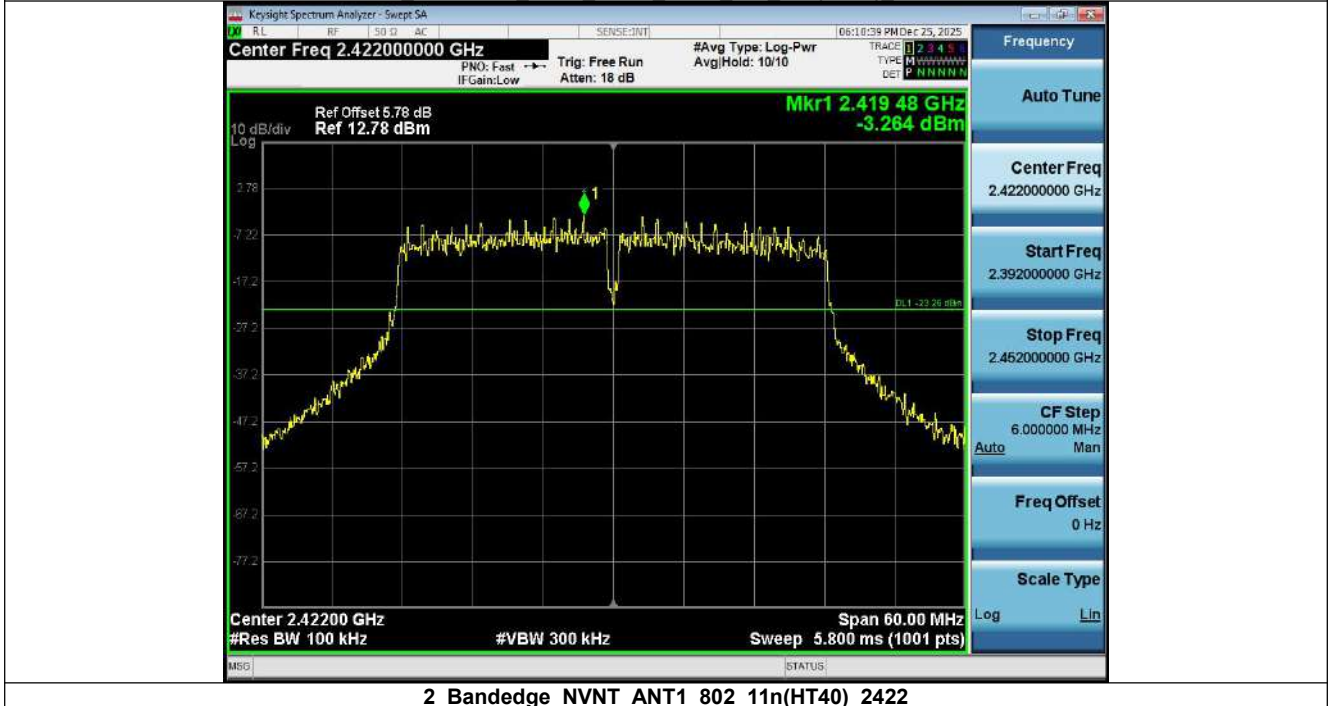
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2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2462



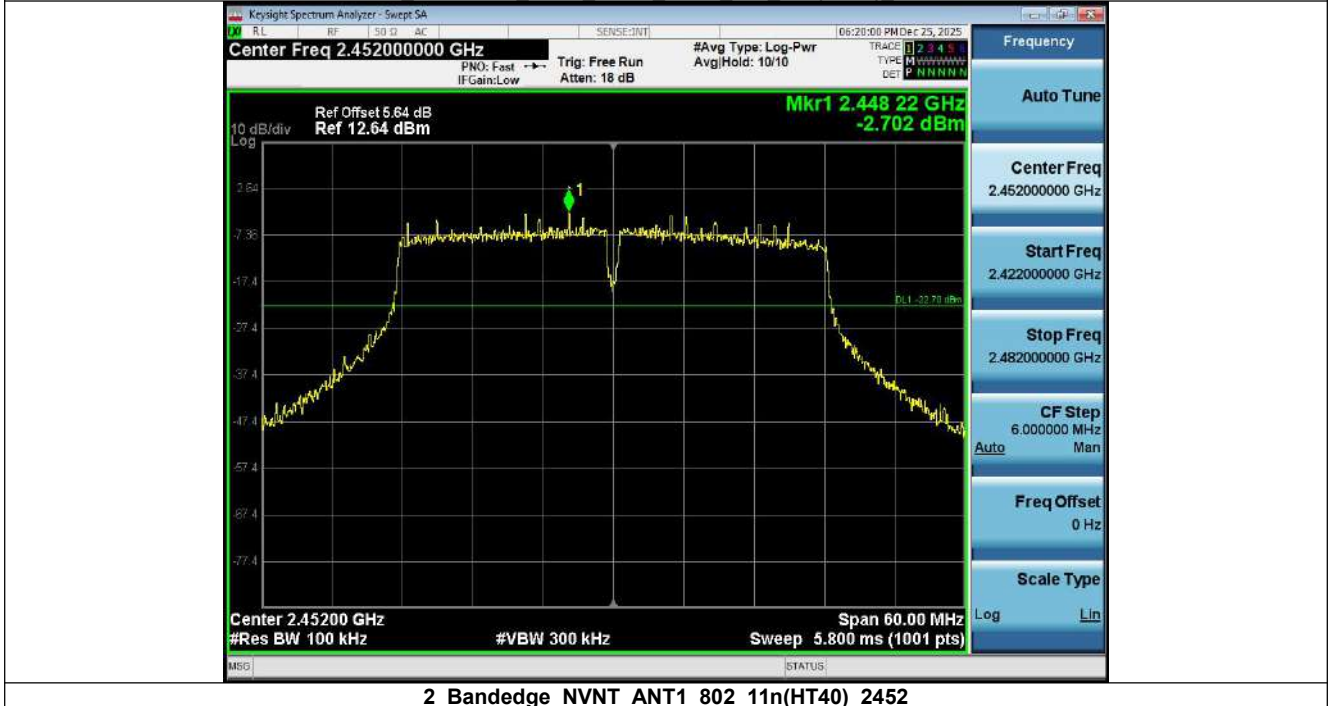
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2 Bandedge NVNT_ANT1_802_11n(HT40)_2422



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



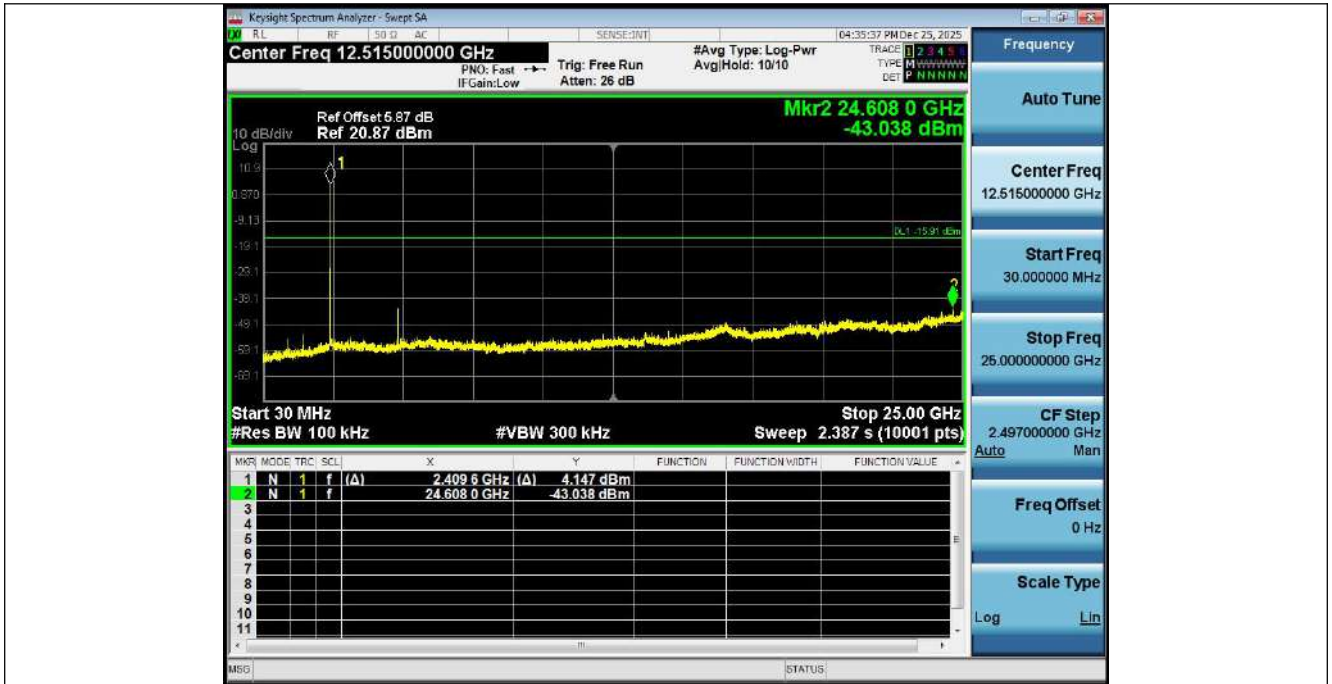
6. Spurious Emission

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	24607.971	4.089	-43.038	-15.911	Pass
NVNT	ANT1	802.11b	2437.00	24937.575	3.761	-40.799	-16.239	Pass
NVNT	ANT1	802.11b	2462.00	24997.503	3.065	-40.160	-16.935	Pass
NVNT	ANT1	802.11g	2412.00	24975.030	0.067	-44.500	-19.933	Pass
NVNT	ANT1	802.11g	2437.00	24957.551	0.455	-47.237	-19.545	Pass
NVNT	ANT1	802.11g	2462.00	24228.427	0.203	-48.313	-19.797	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24975.030	0.904	-48.083	-19.096	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24910.108	0.287	-41.829	-19.713	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24972.533	-0.283	-47.979	-20.283	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24937.575	0.119	-43.747	-19.881	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24987.515	-0.592	-44.471	-20.592	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24987.515	-0.630	-50.224	-20.630	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24950.060	-3.264	-50.809	-23.264	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24980.024	-1.955	-45.899	-21.955	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24917.599	-2.702	-51.517	-22.702	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24945.066	-3.026	-51.161	-23.026	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	24932.581	-2.769	-44.890	-22.769	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	24955.054	-2.566	-46.064	-22.566	Pass

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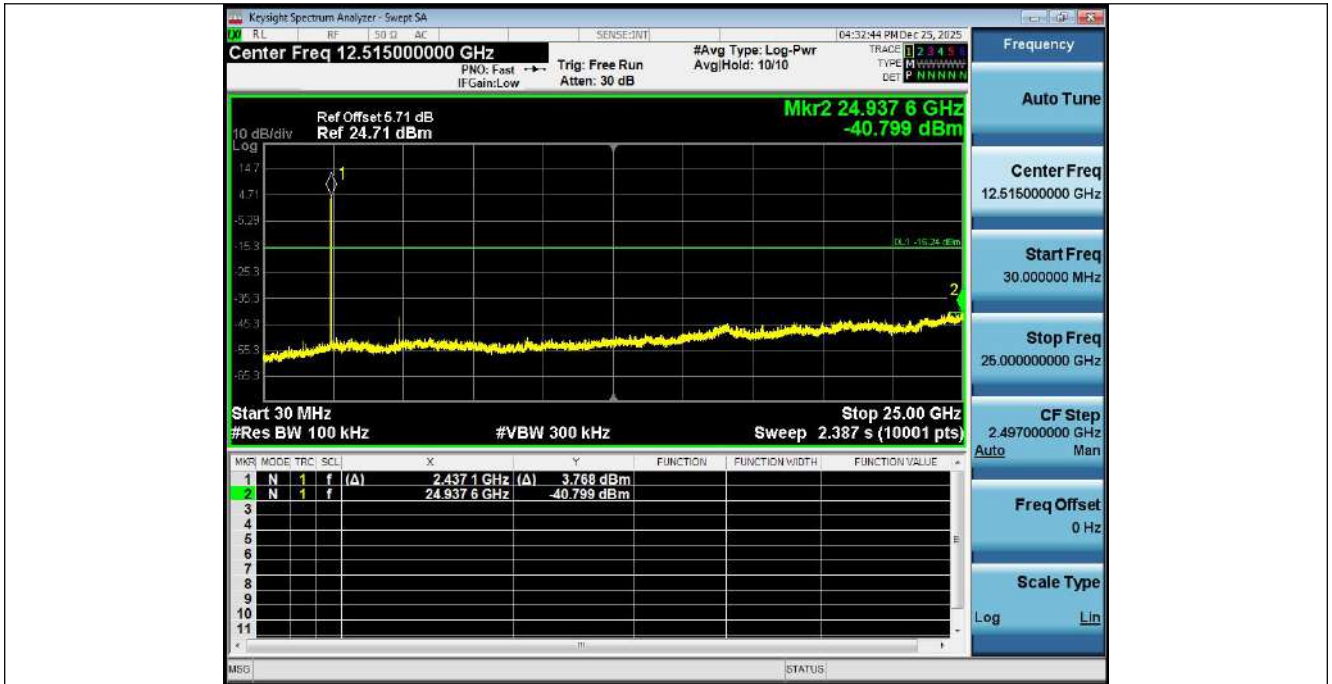
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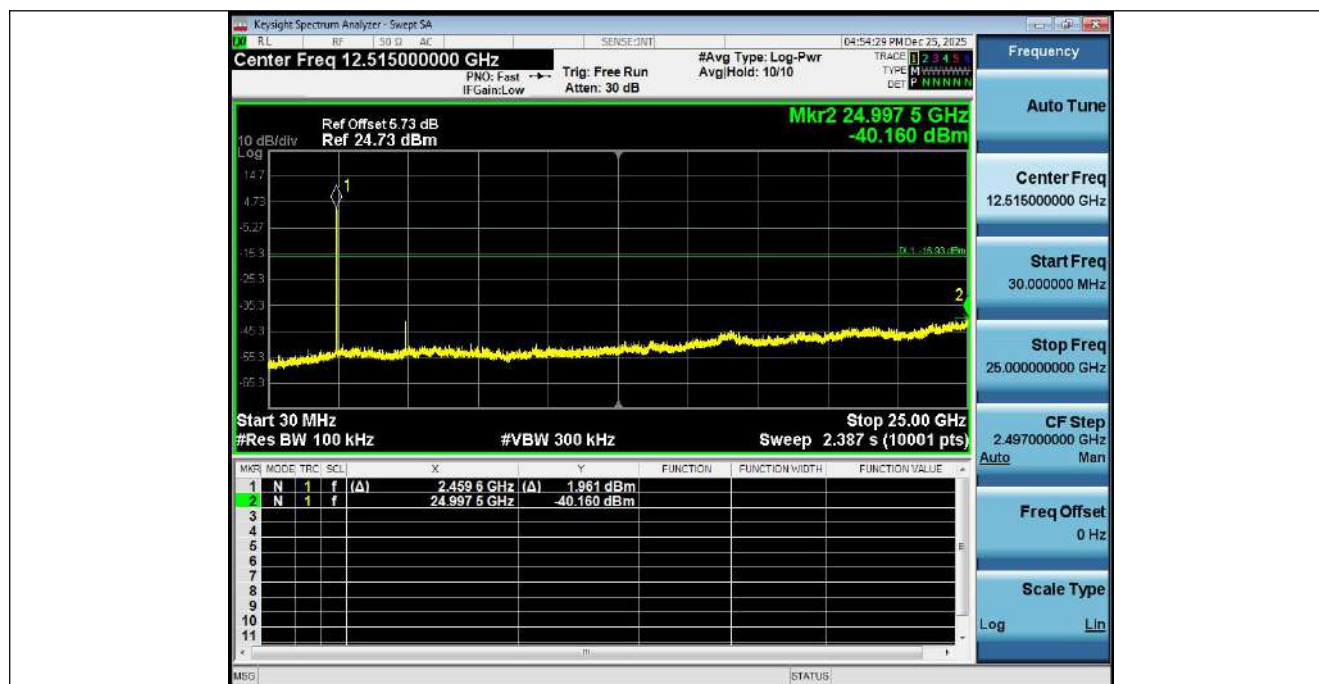
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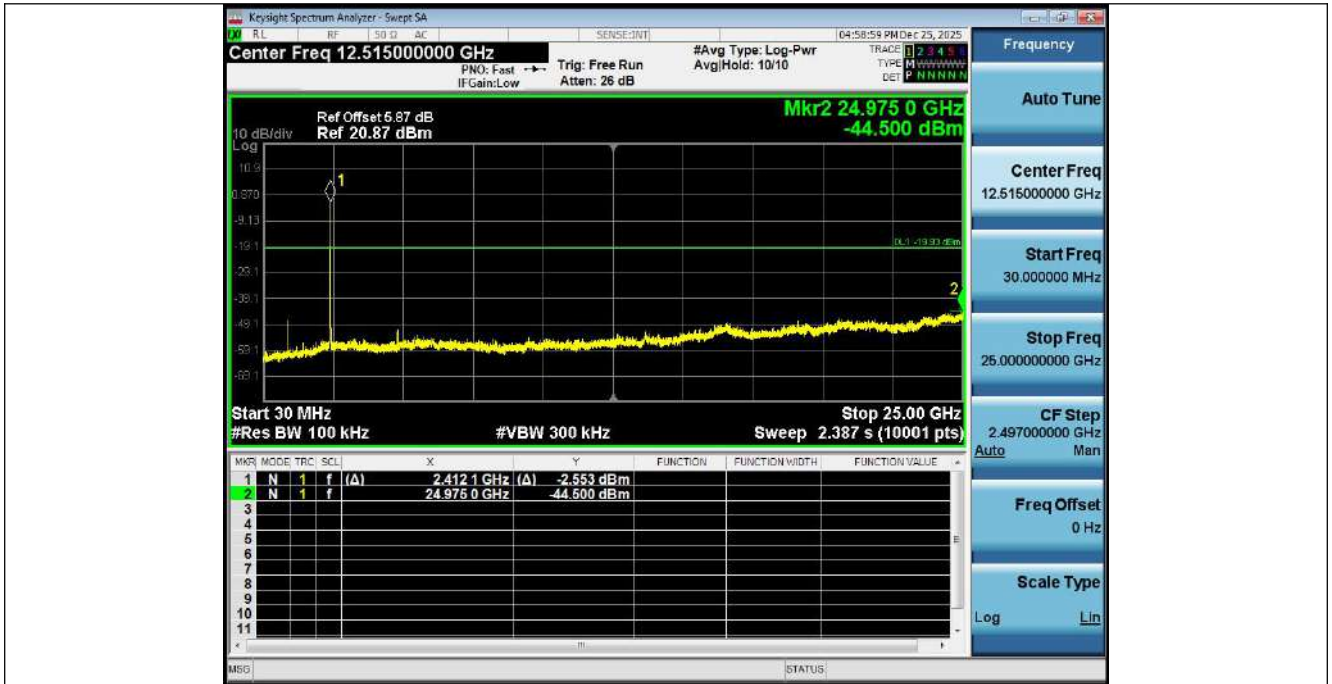
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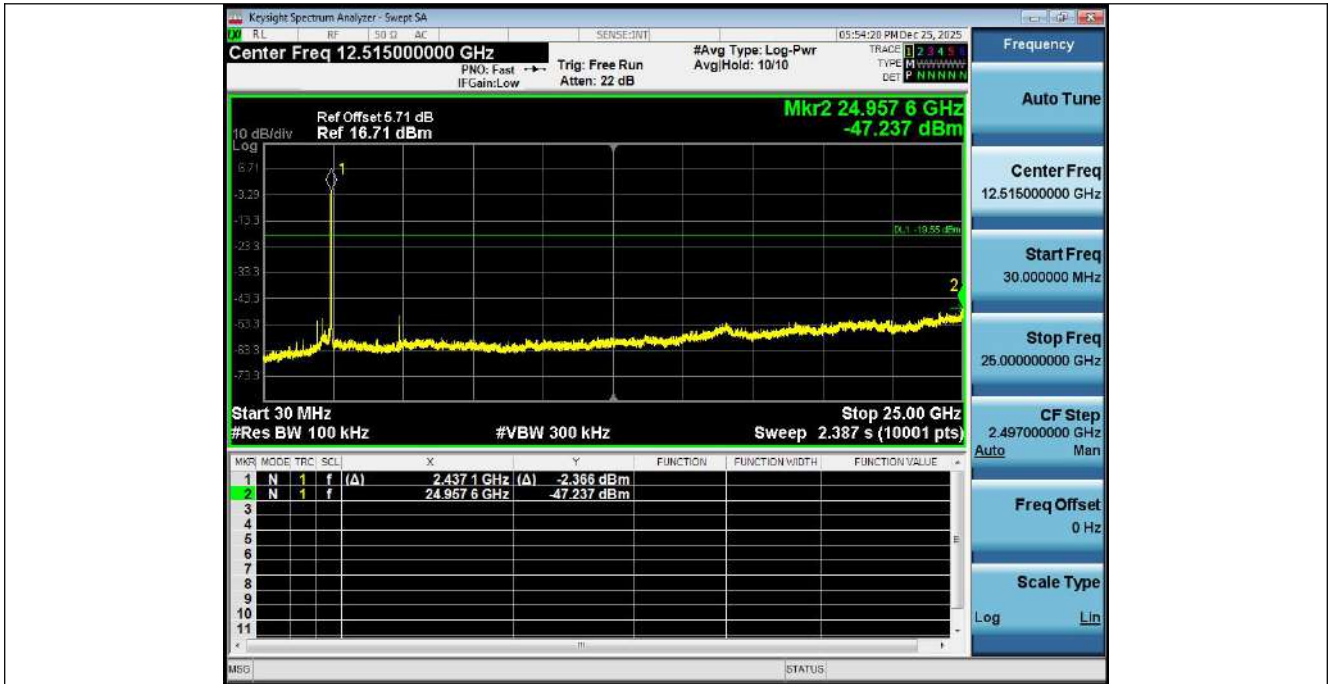
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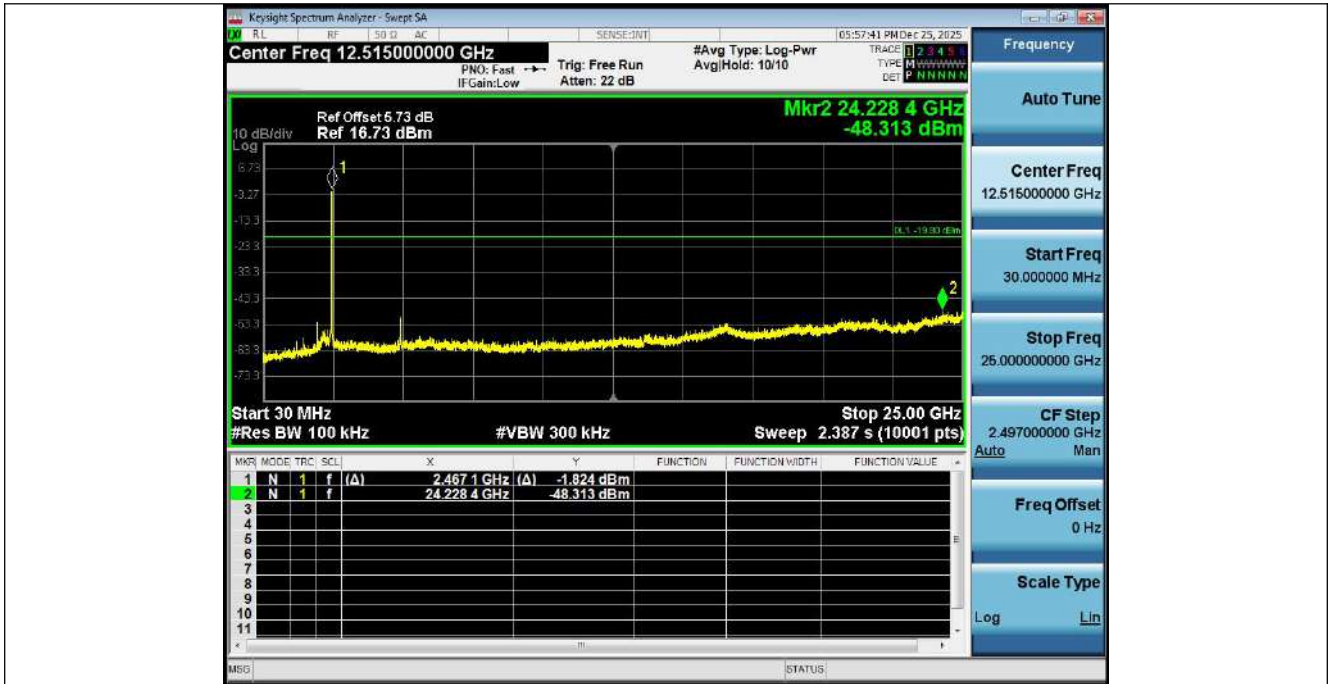
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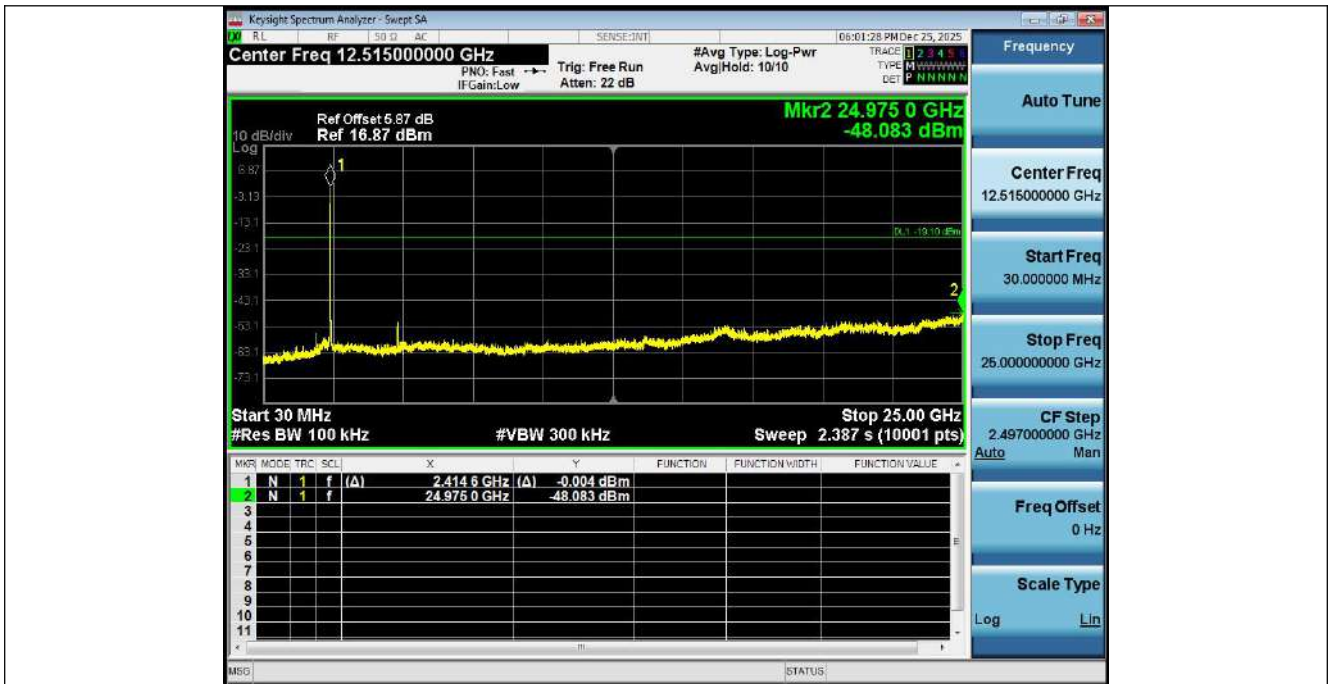
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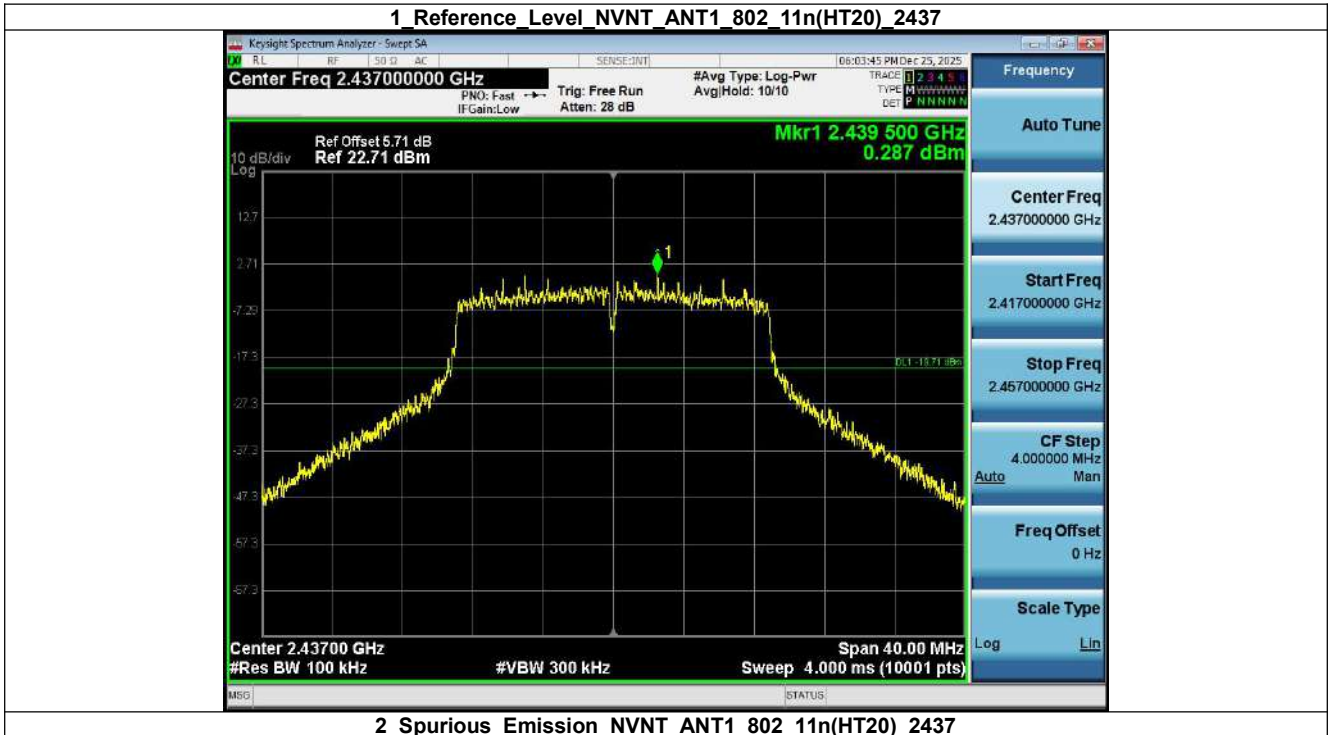
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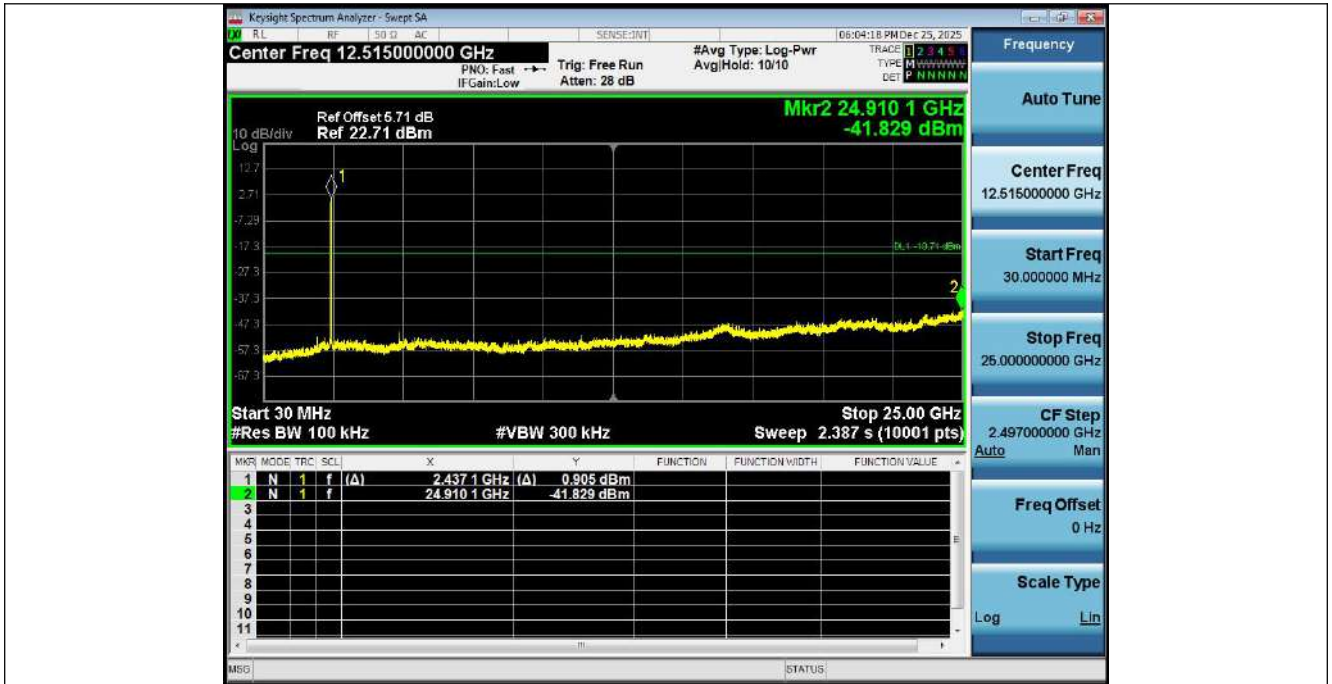
2 Spurious Emission NVNT ANT1 802 11n(HT20) 2412



1 Reference Level NVNT_ANT1_802_11n(HT20)_2437



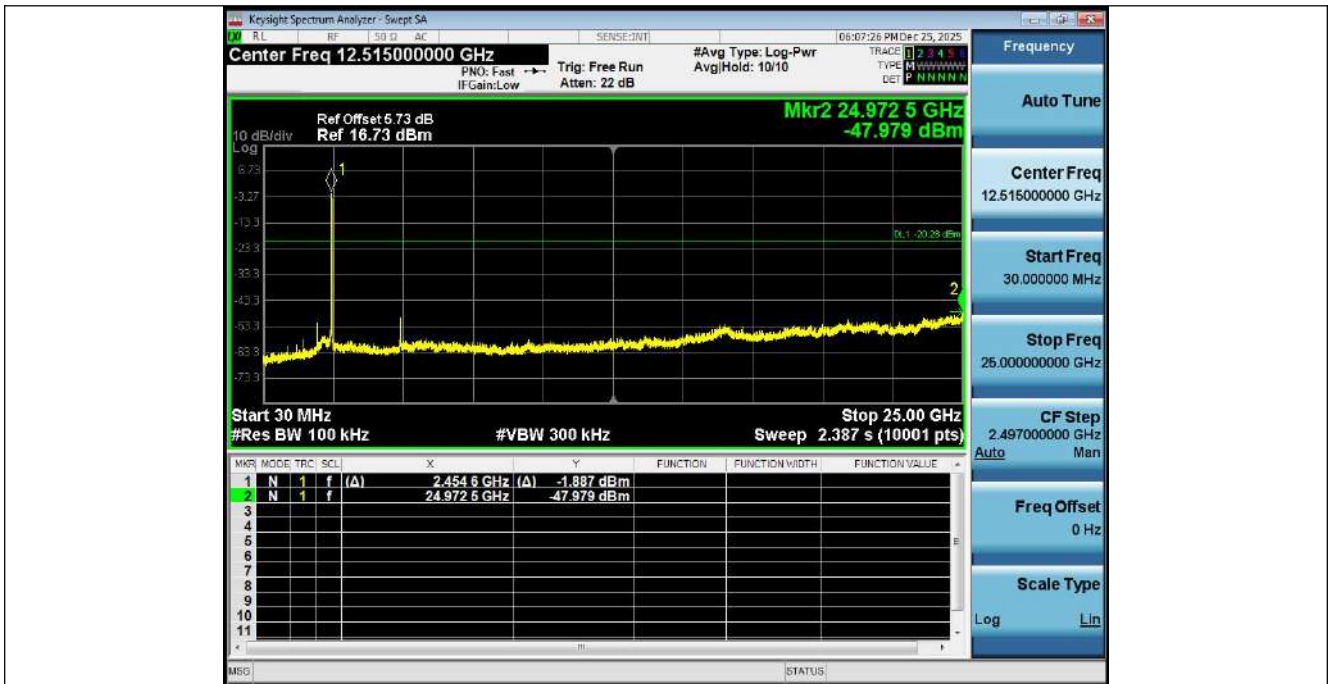
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2437



1 Reference Level NVNT ANT1 802 11n(HT20) 2462



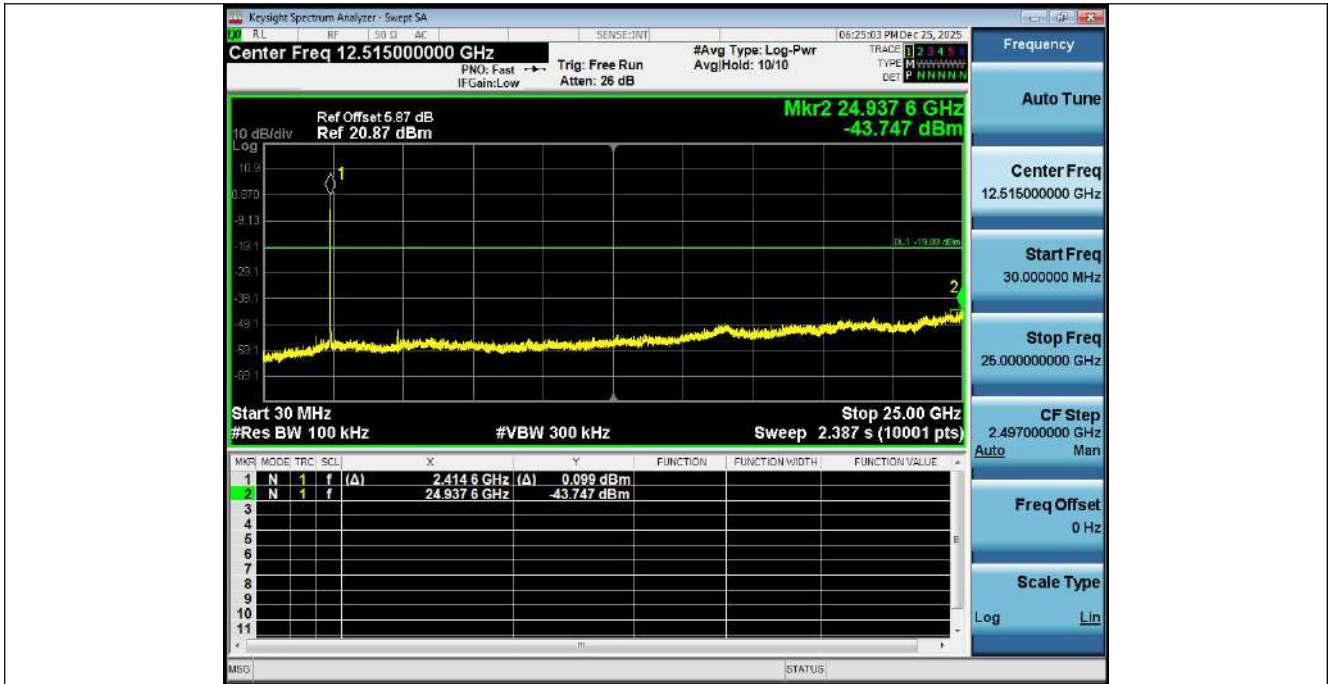
2 Spurious Emission NVNT ANT1 802 11n(HT20) 2462



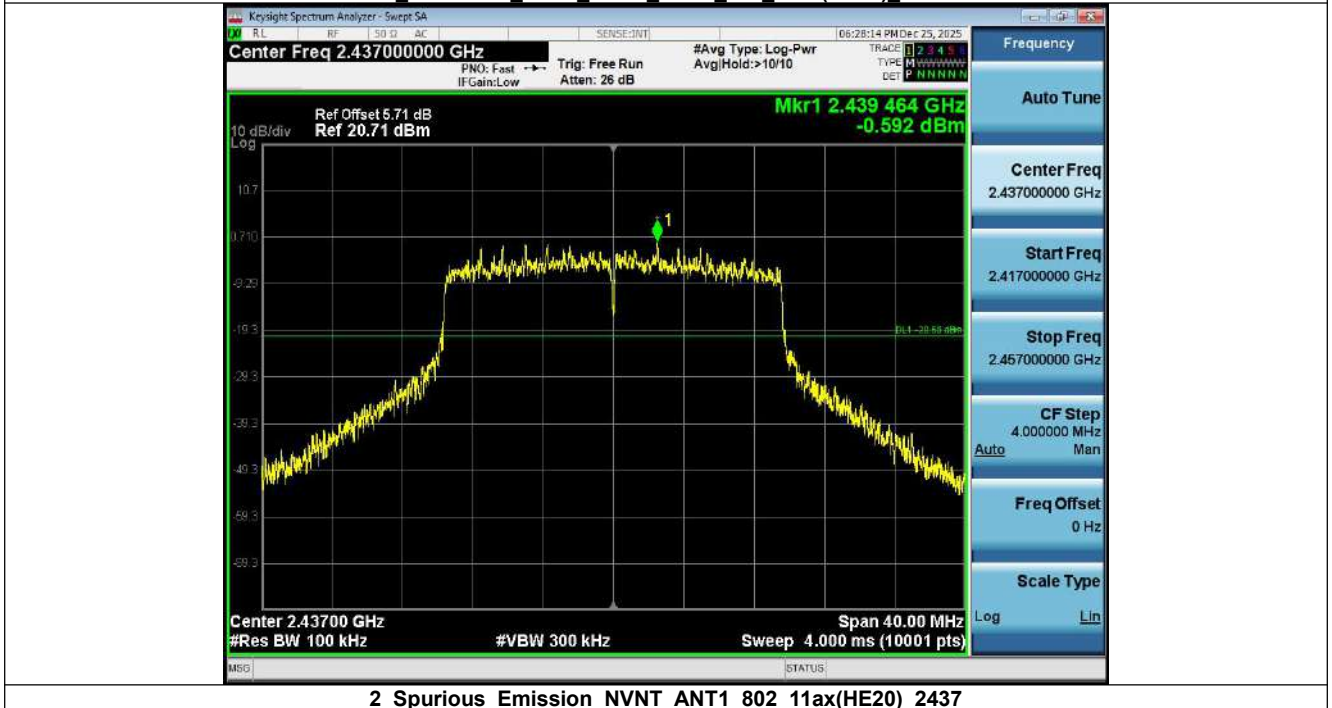
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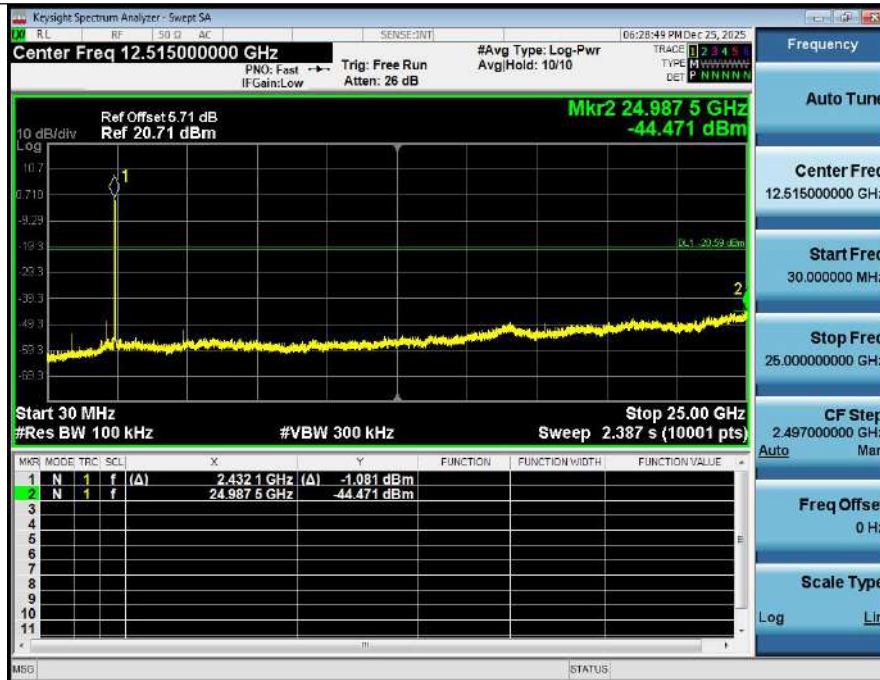
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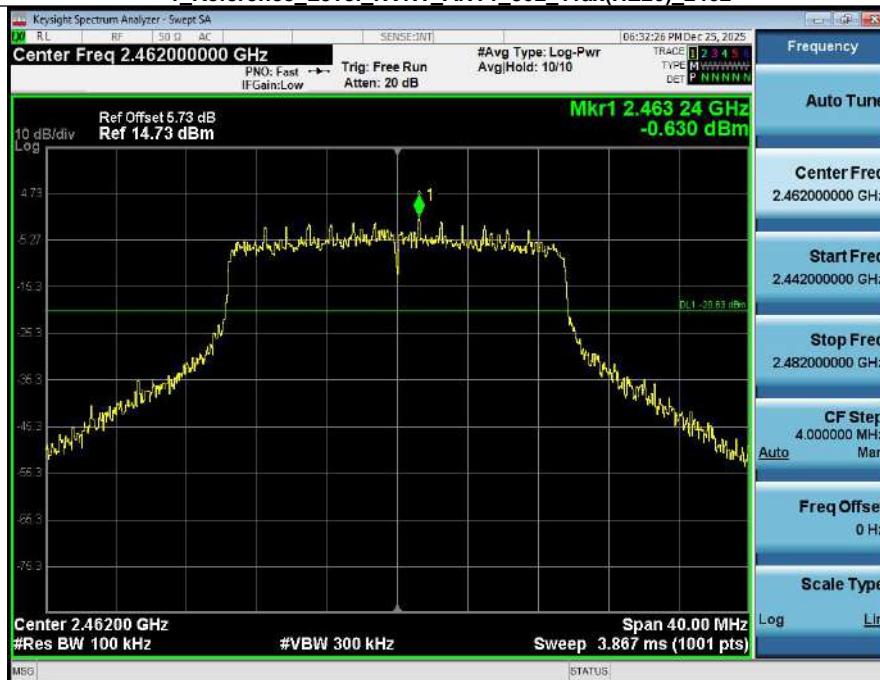
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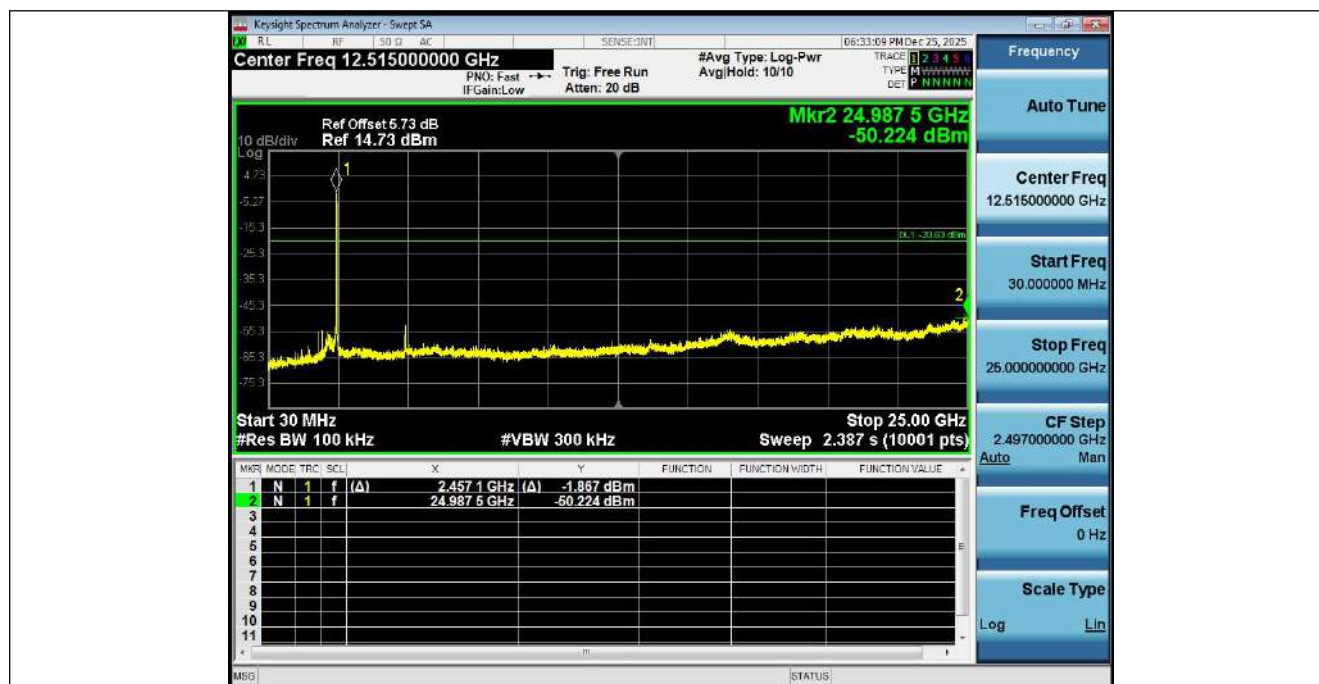
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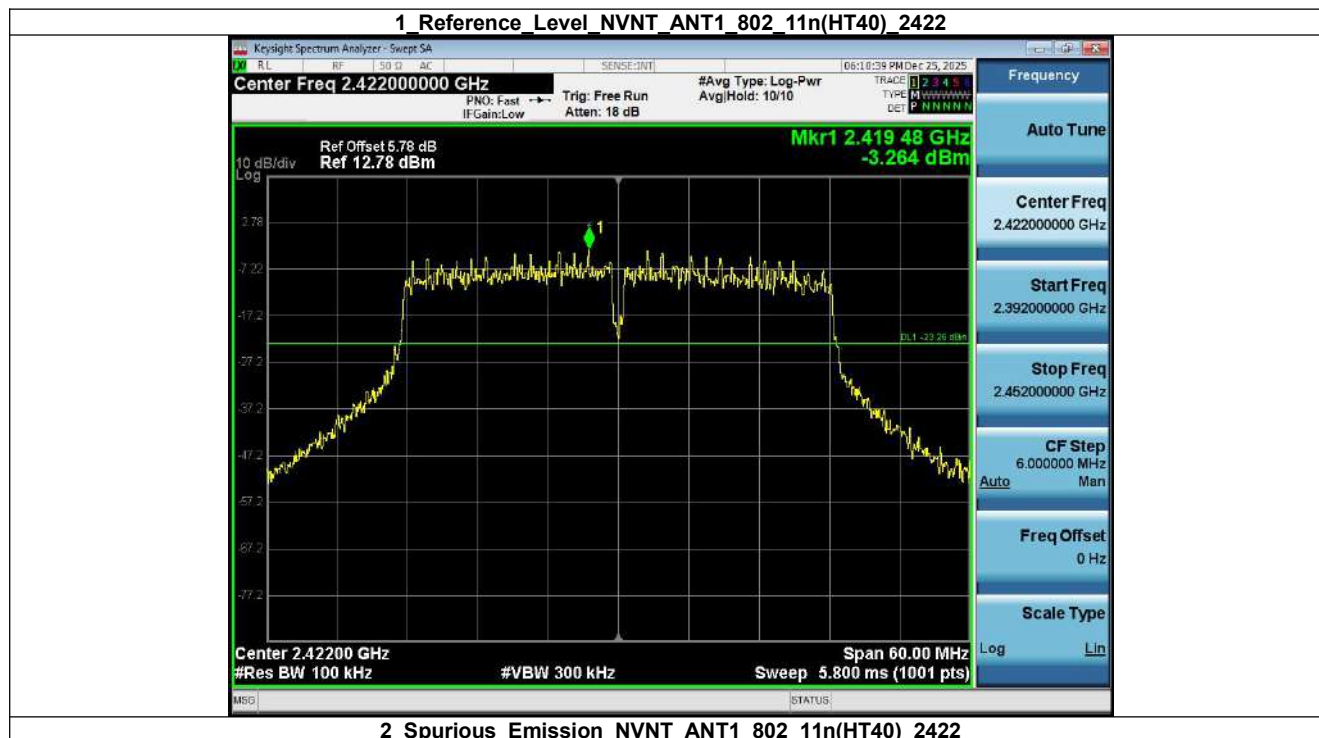
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2462



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2462



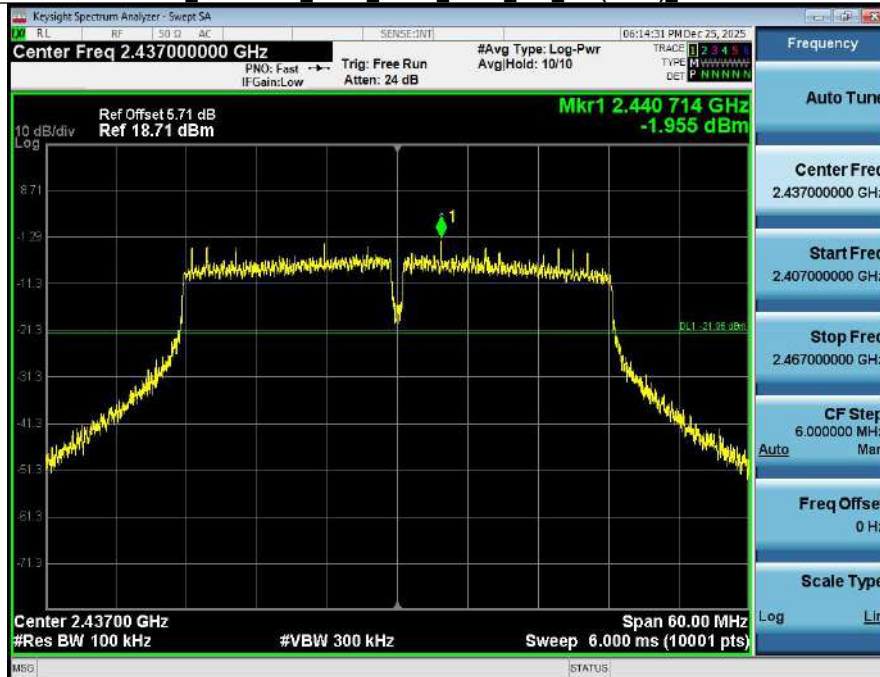
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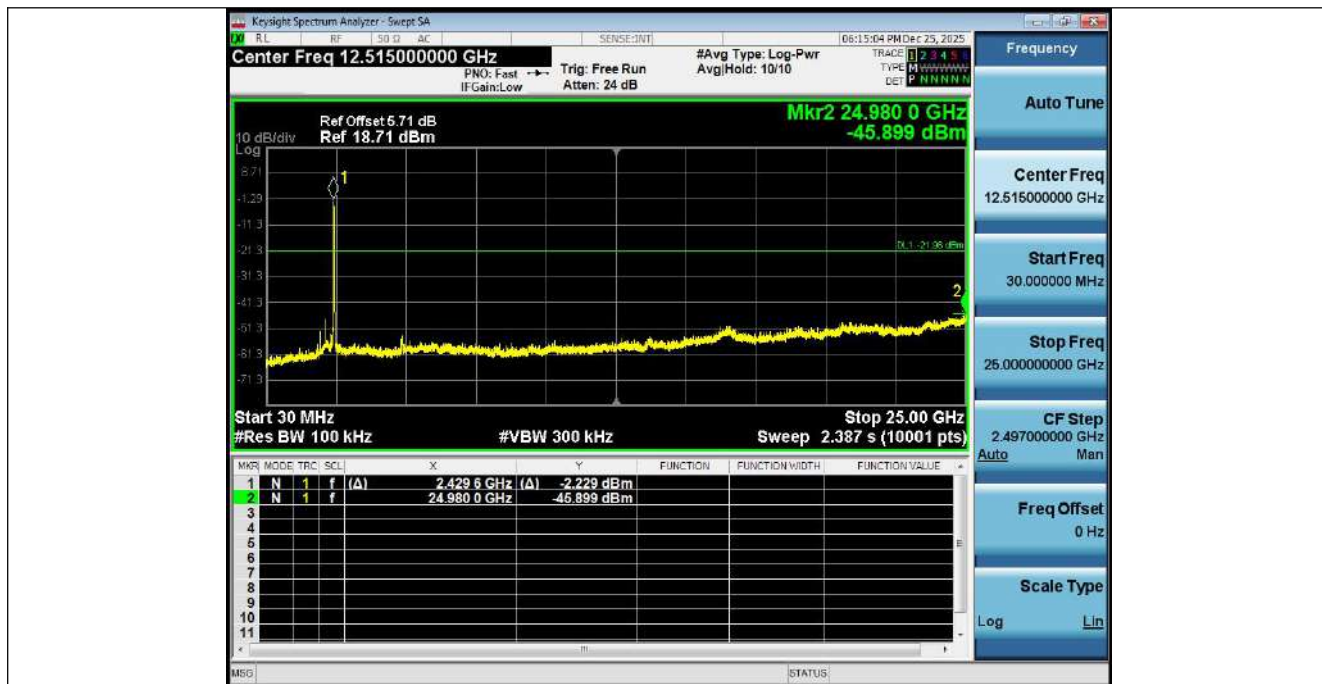
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1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



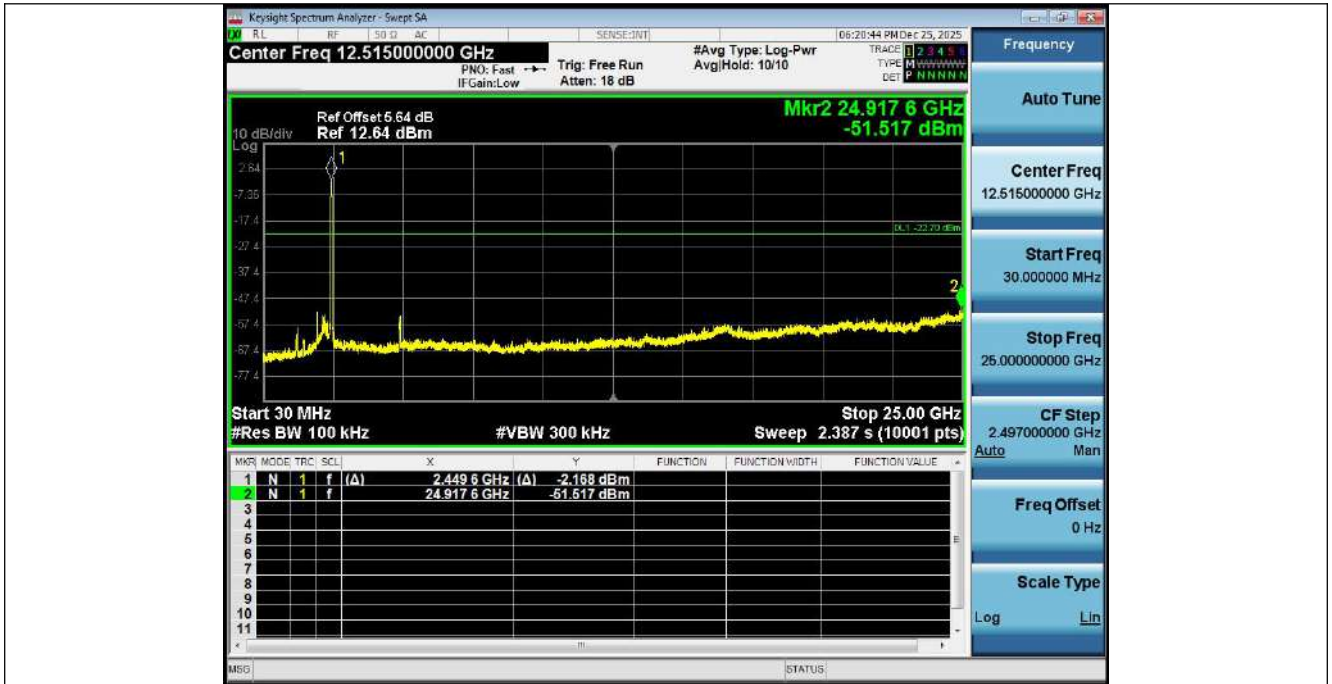
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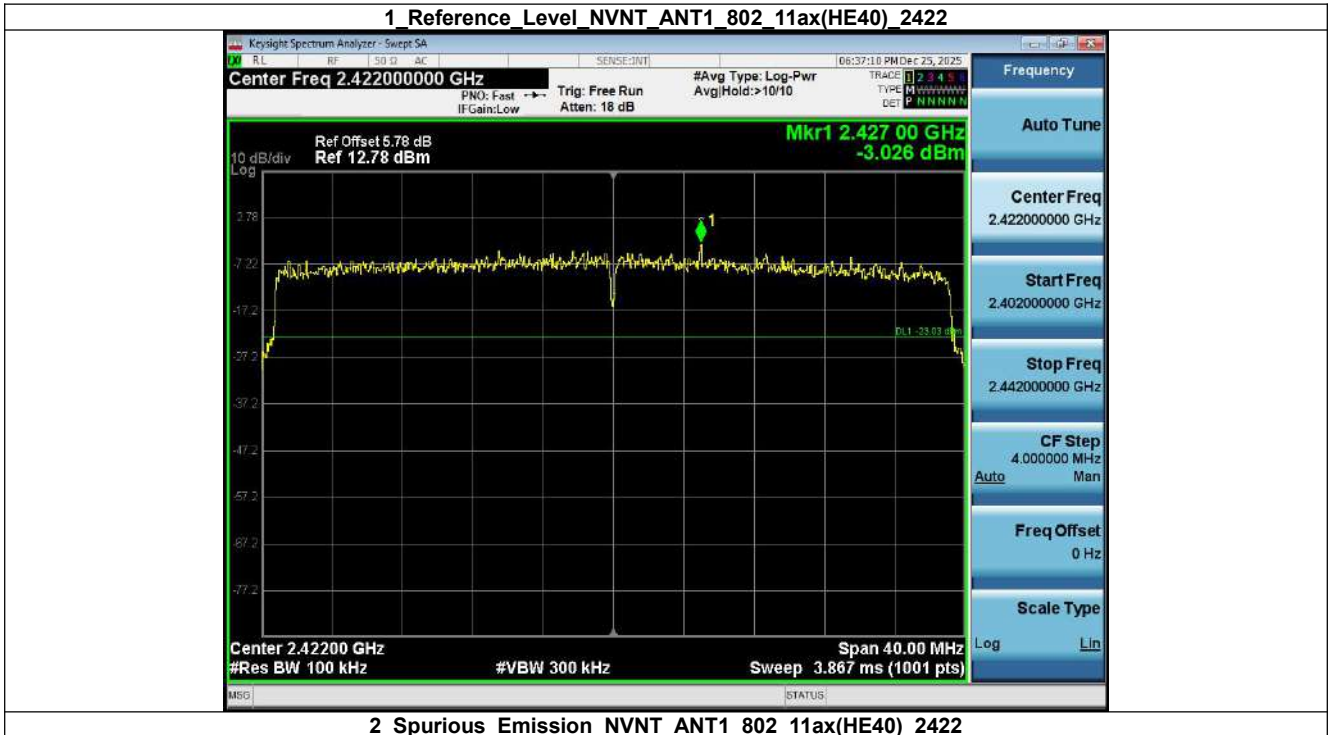
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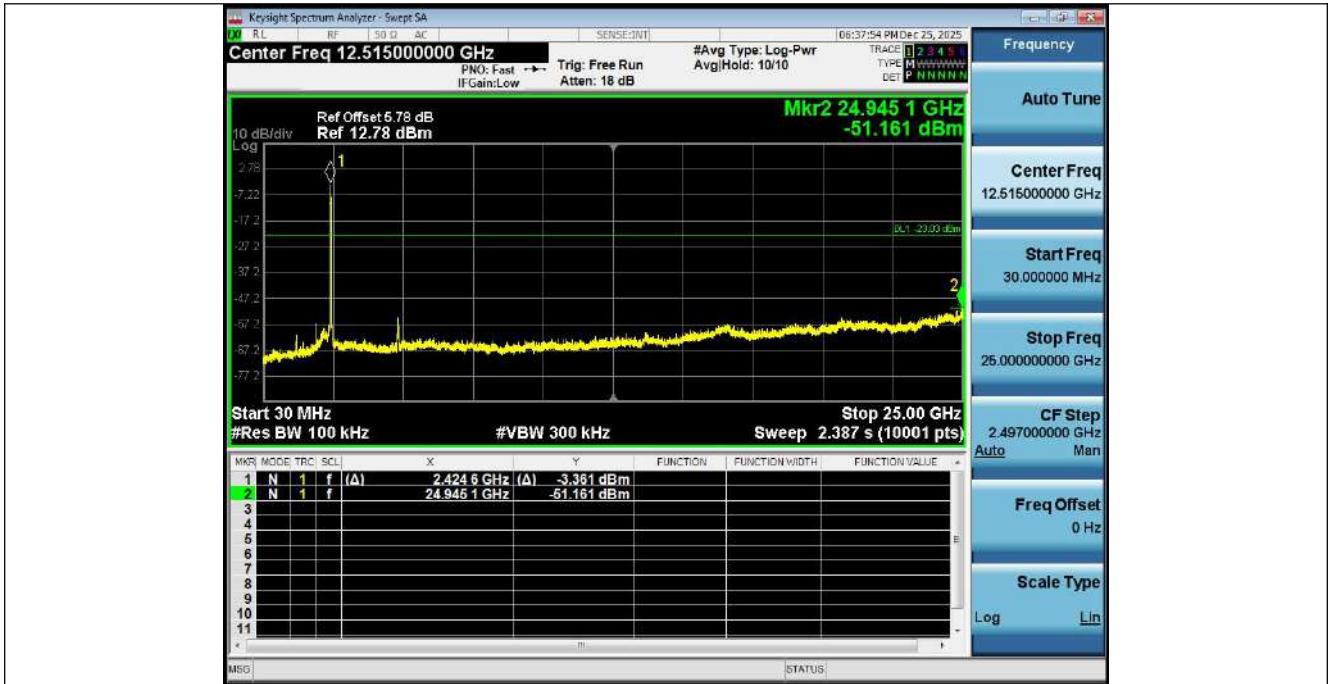
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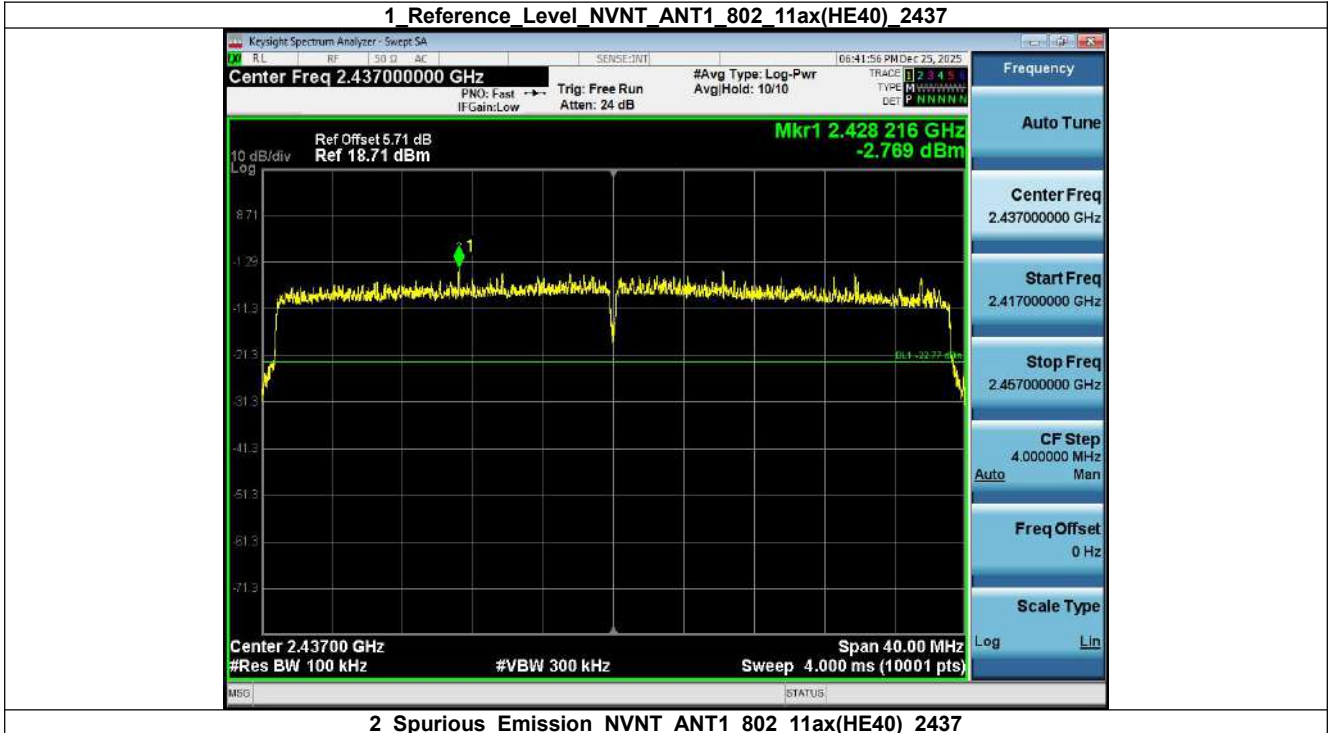
1 Reference Level NVNT ANT1_802_11ax(HE40)_2422



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

