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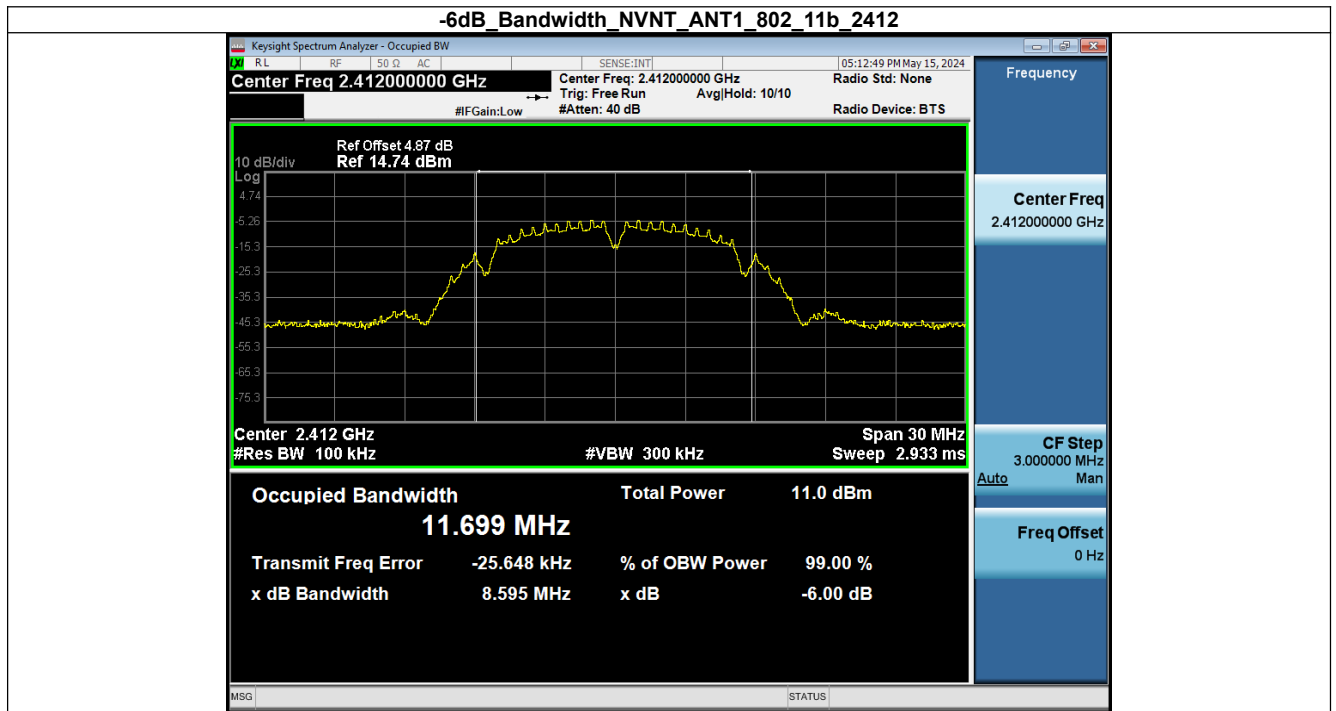
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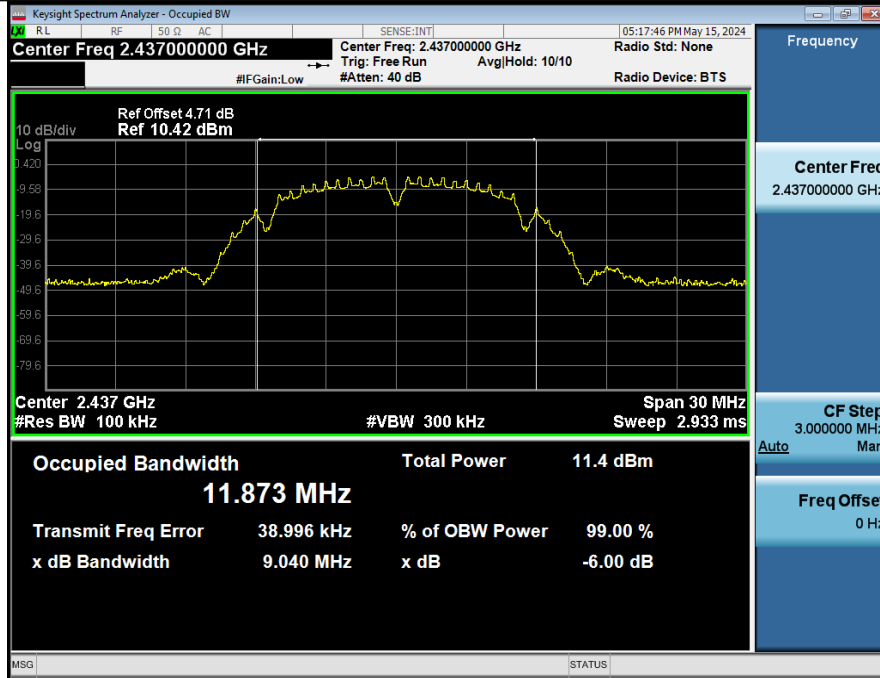
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

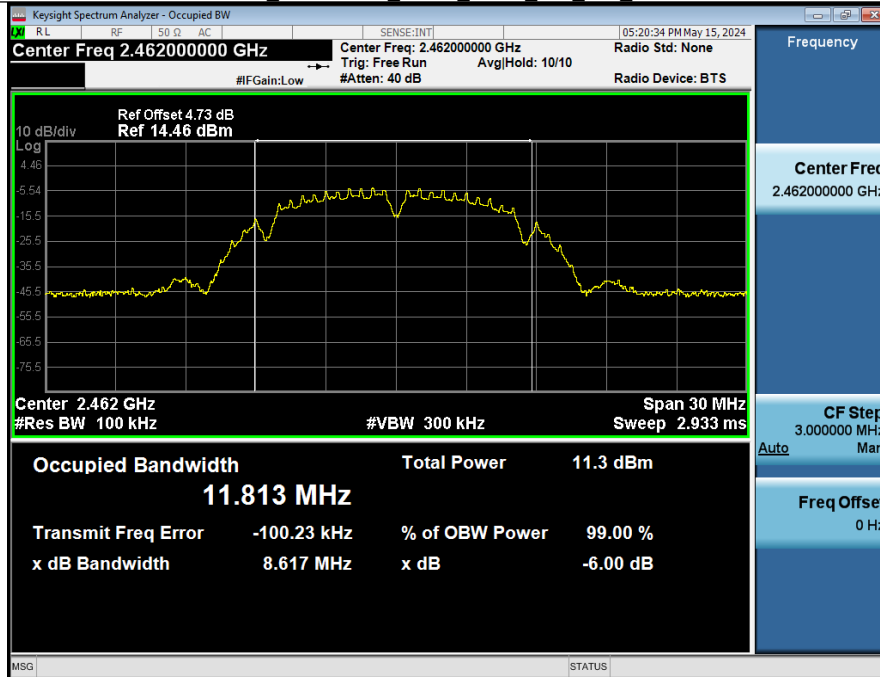
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.60	500	Pass
NVNT	ANT1	802.11b	2437.00	9.04	500	Pass
NVNT	ANT1	802.11b	2462.00	8.62	500	Pass
NVNT	ANT1	802.11g	2412.00	15.85	500	Pass
NVNT	ANT1	802.11g	2437.00	16.12	500	Pass
NVNT	ANT1	802.11g	2462.00	16.05	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.74	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.12	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.04	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.86	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.62	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.56	500	Pass



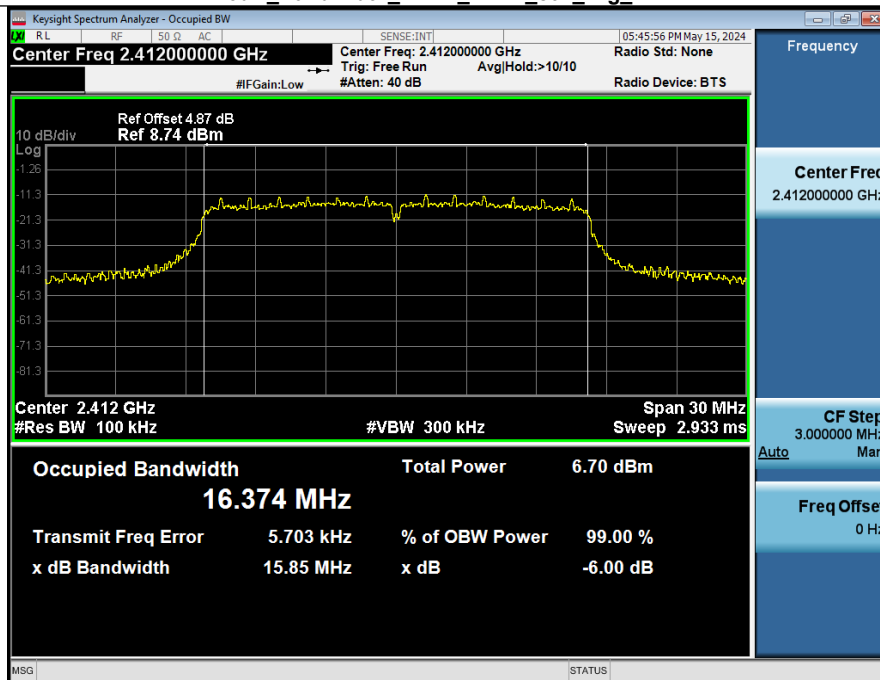
-6dB Bandwidth NVNT_ANT1_802_11b_2437



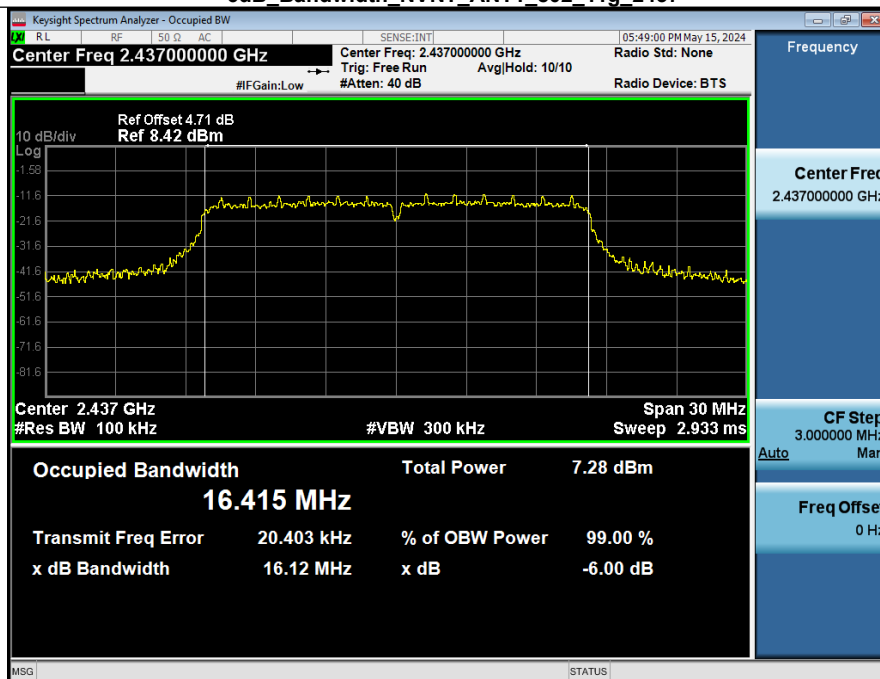
-6dB Bandwidth NVNT_ANT1_802_11b_2462



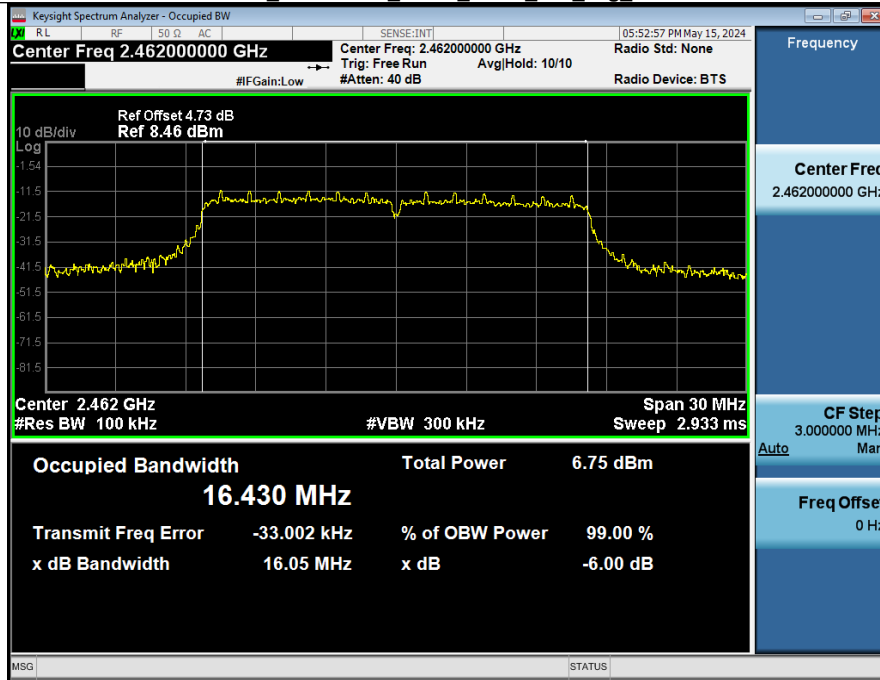
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



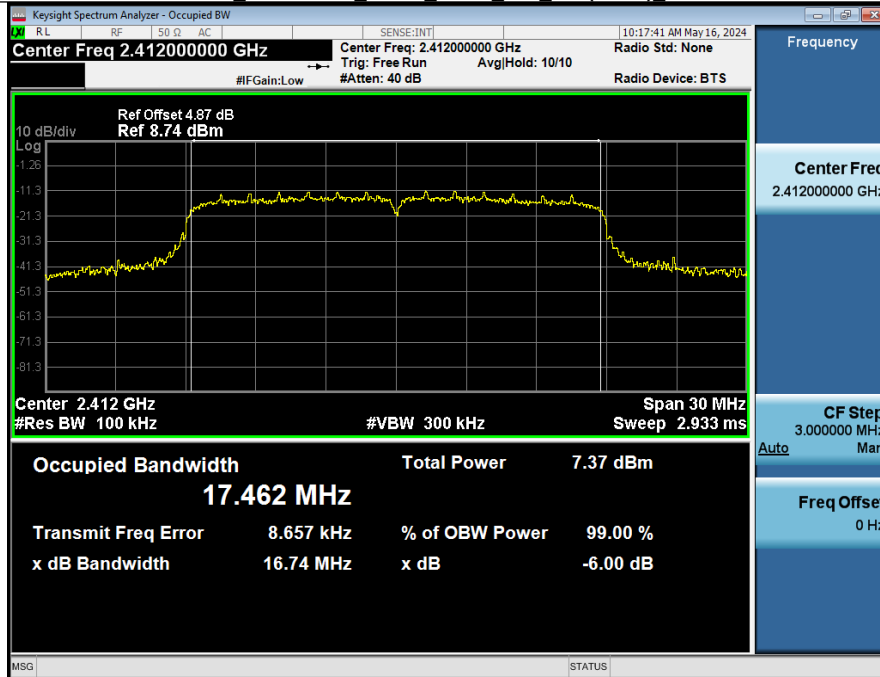
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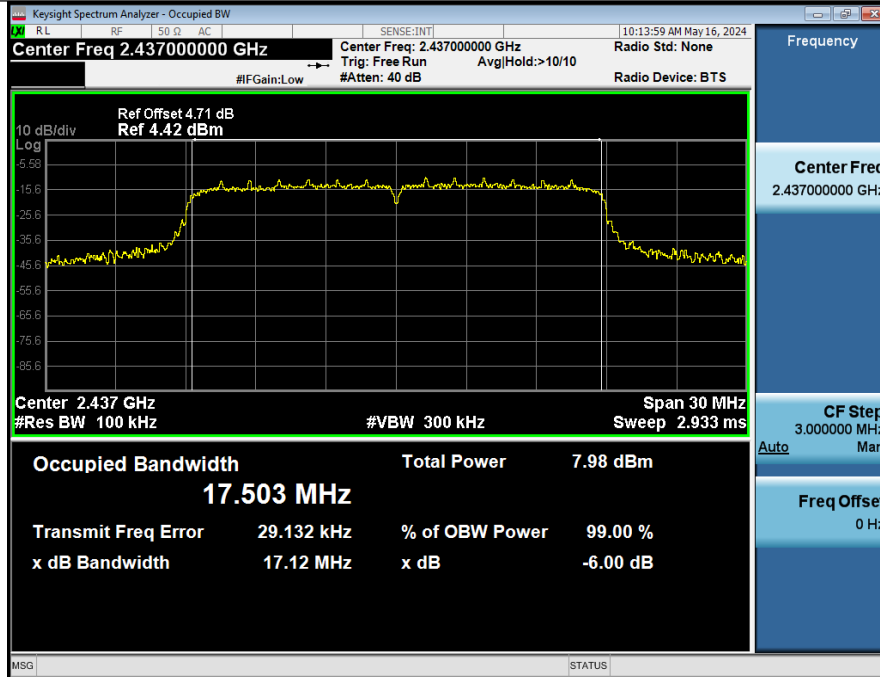
-6dB Bandwidth_NVNT_ANT1_802_11g_2462



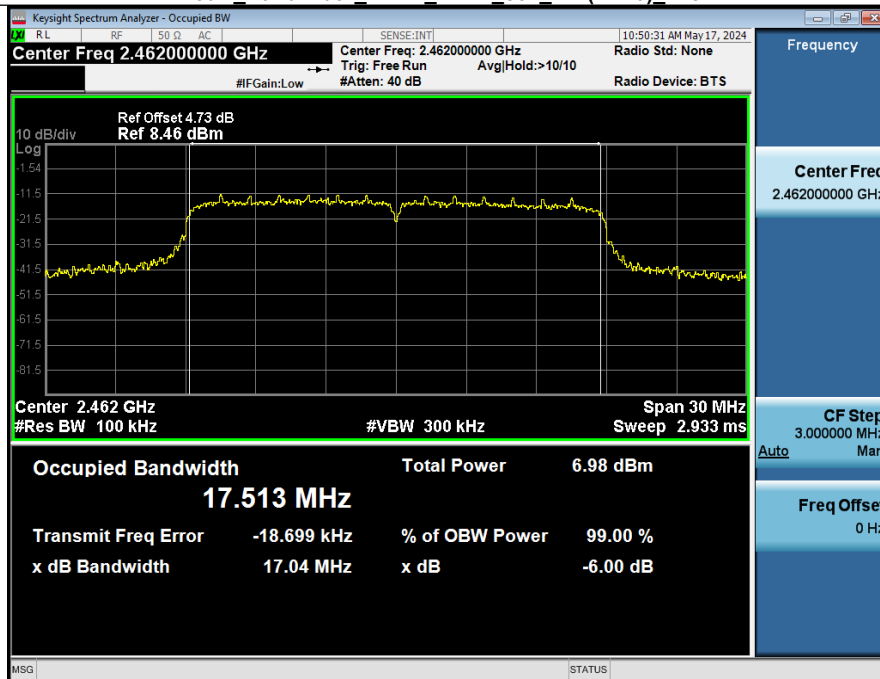
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



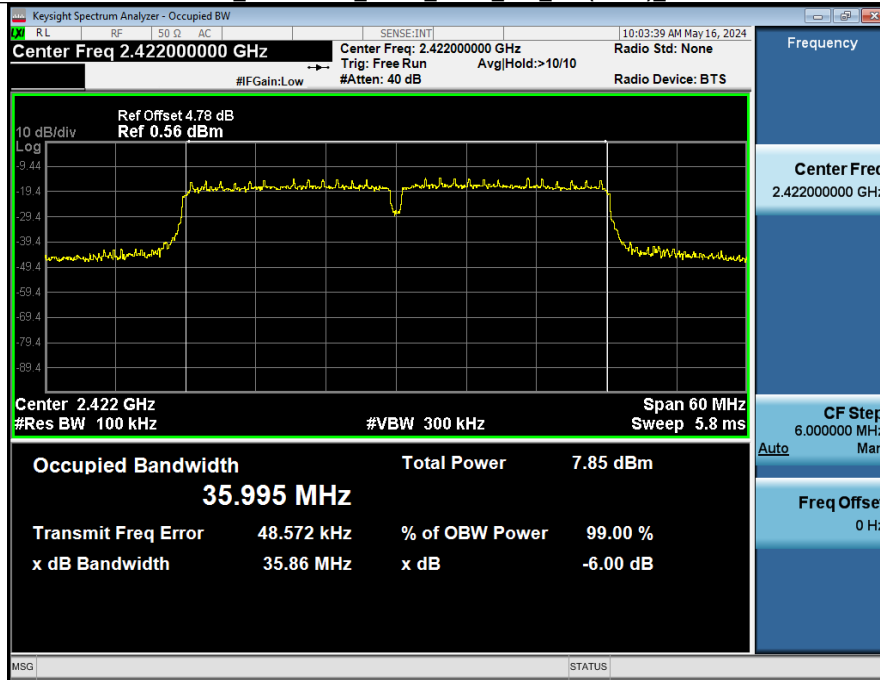
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



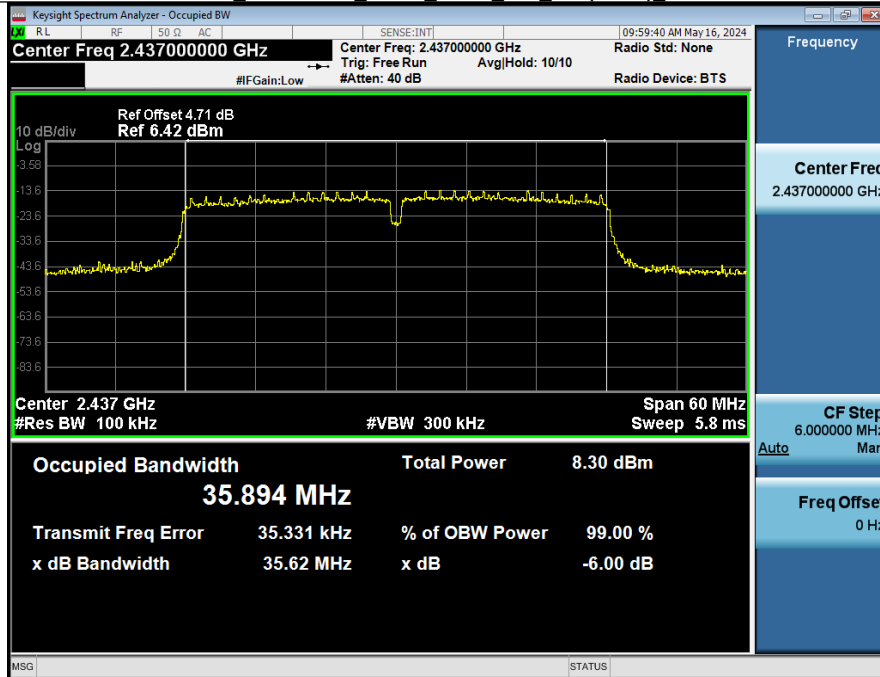
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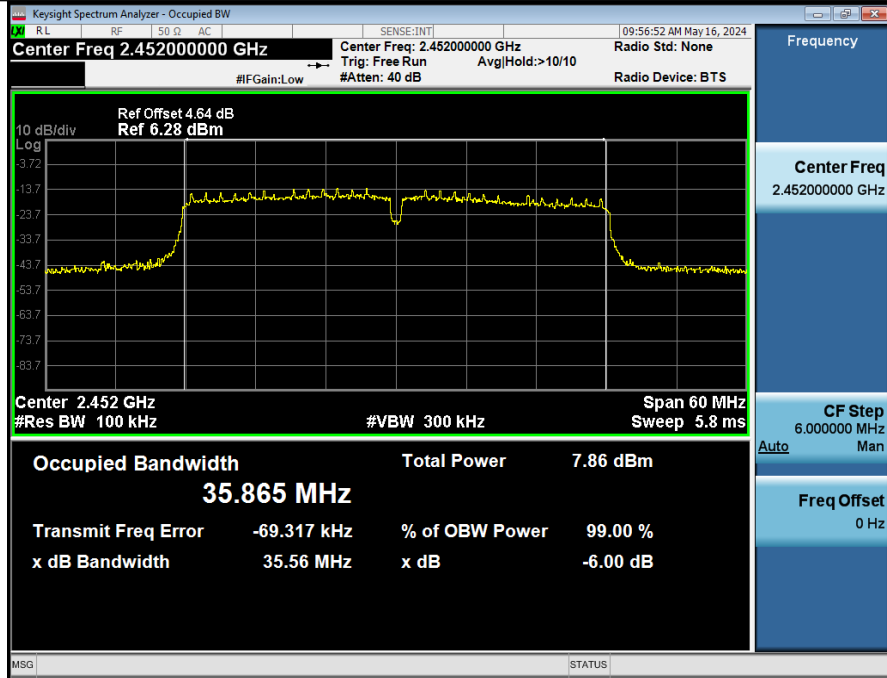
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

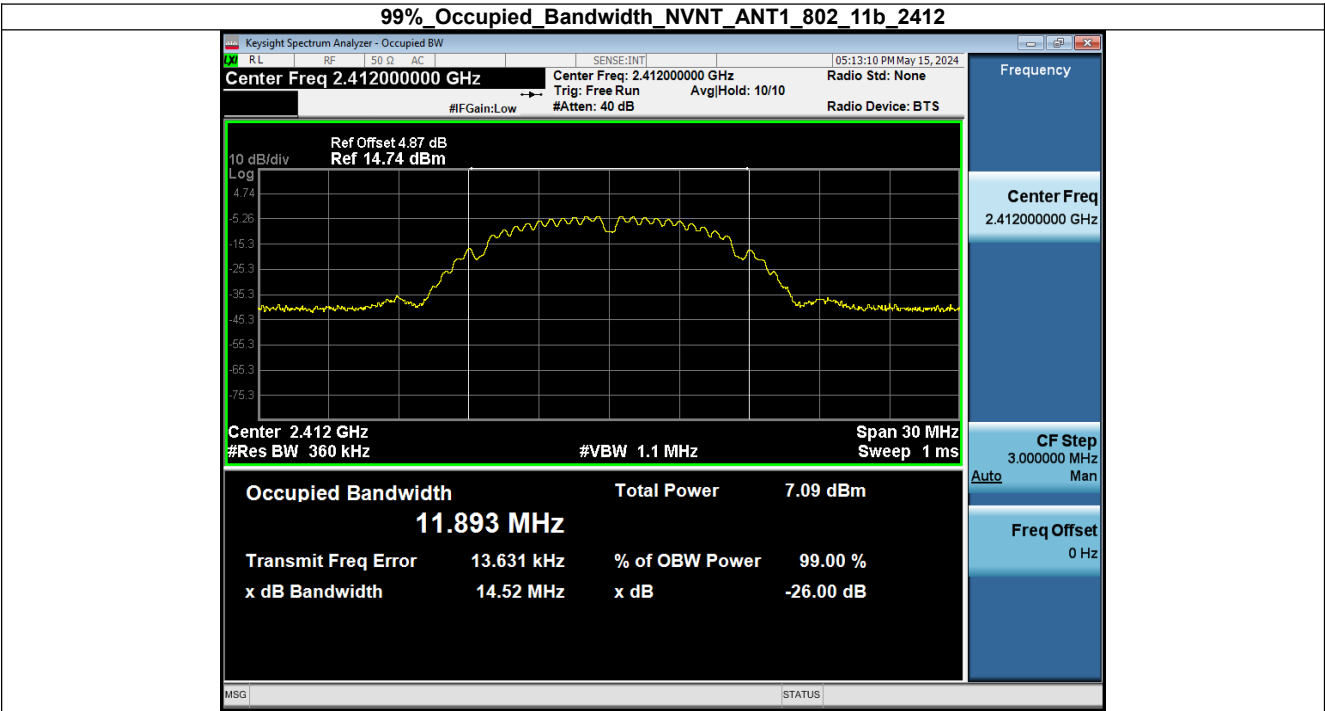


-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2452

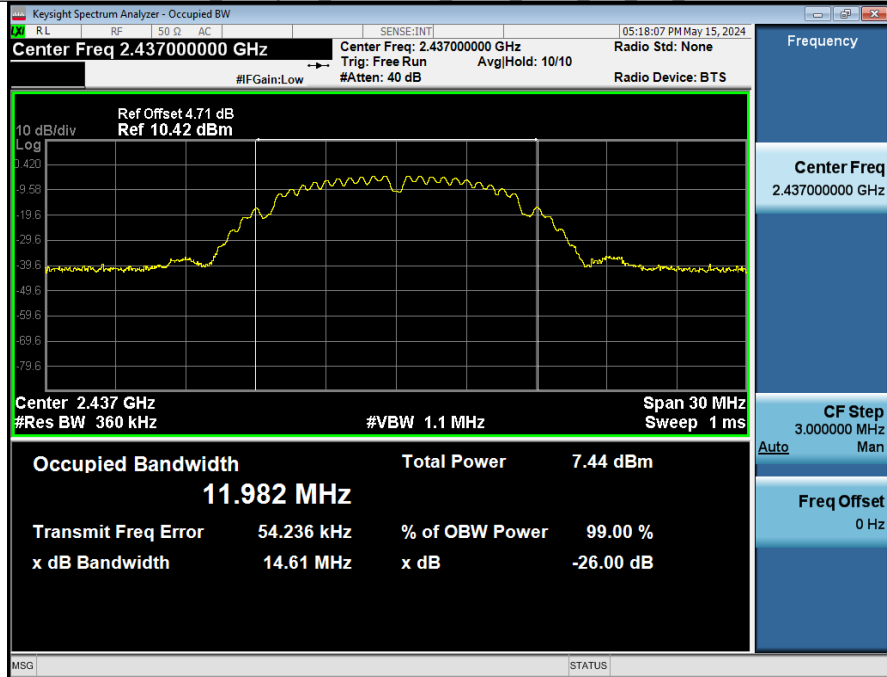


2. 99% Occupied Bandwidth

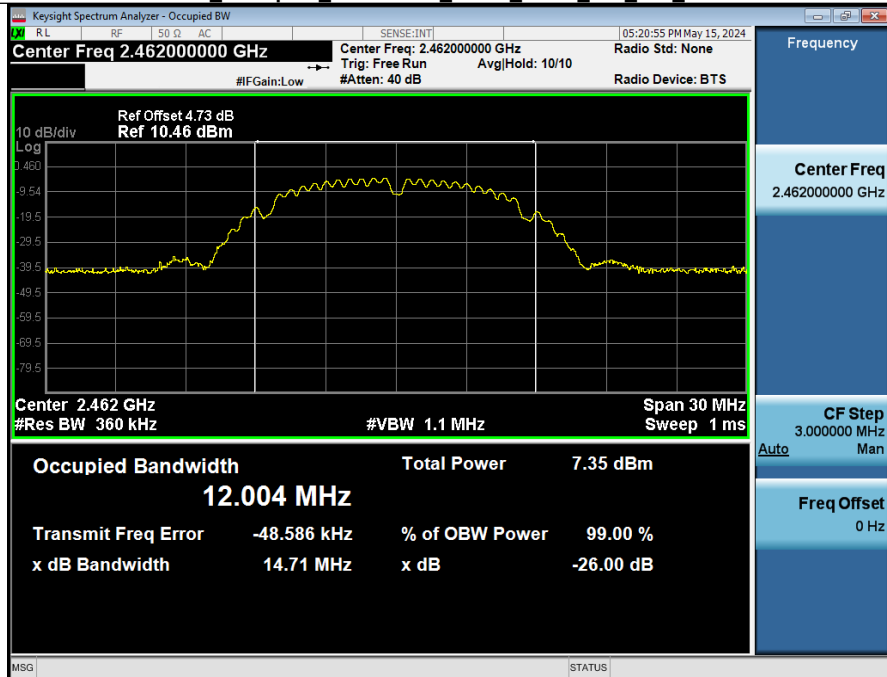
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.893
NVNT	ANT1	802.11b	2437.00	11.982
NVNT	ANT1	802.11b	2462.00	12.004
NVNT	ANT1	802.11g	2412.00	16.945
NVNT	ANT1	802.11g	2437.00	17.022
NVNT	ANT1	802.11g	2462.00	17.110
NVNT	ANT1	802.11n(HT20)	2412.00	17.646
NVNT	ANT1	802.11n(HT20)	2437.00	17.715
NVNT	ANT1	802.11n(HT20)	2462.00	17.839
NVNT	ANT1	802.11n(HT40)	2422.00	36.546
NVNT	ANT1	802.11n(HT40)	2437.00	36.318
NVNT	ANT1	802.11n(HT40)	2452.00	36.273



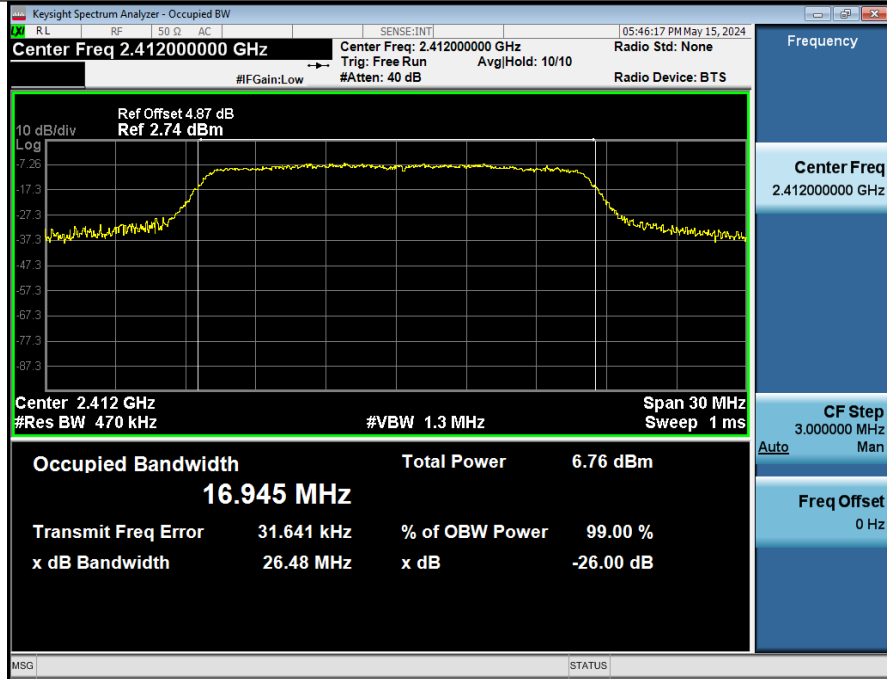
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



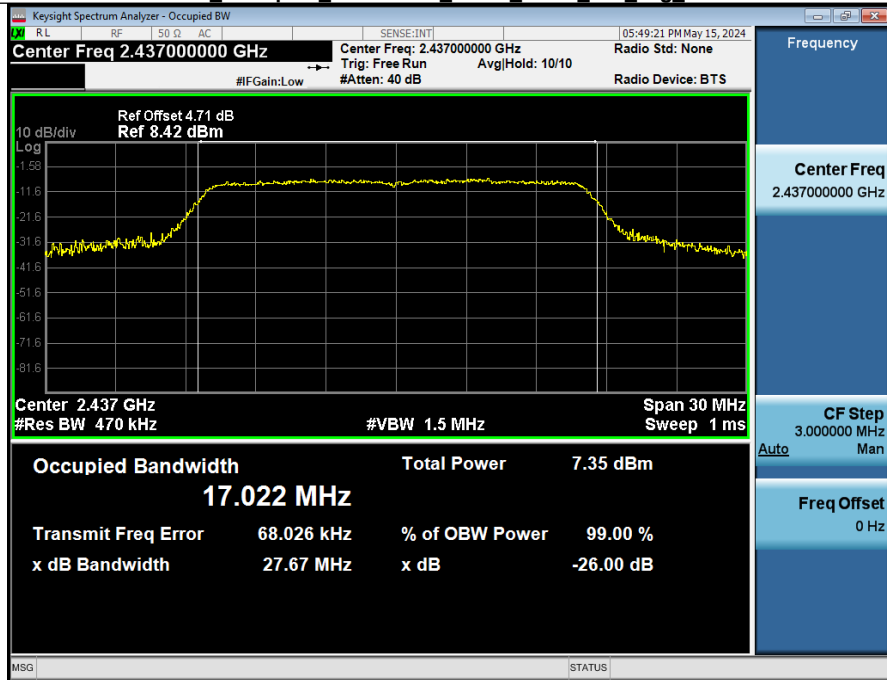
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



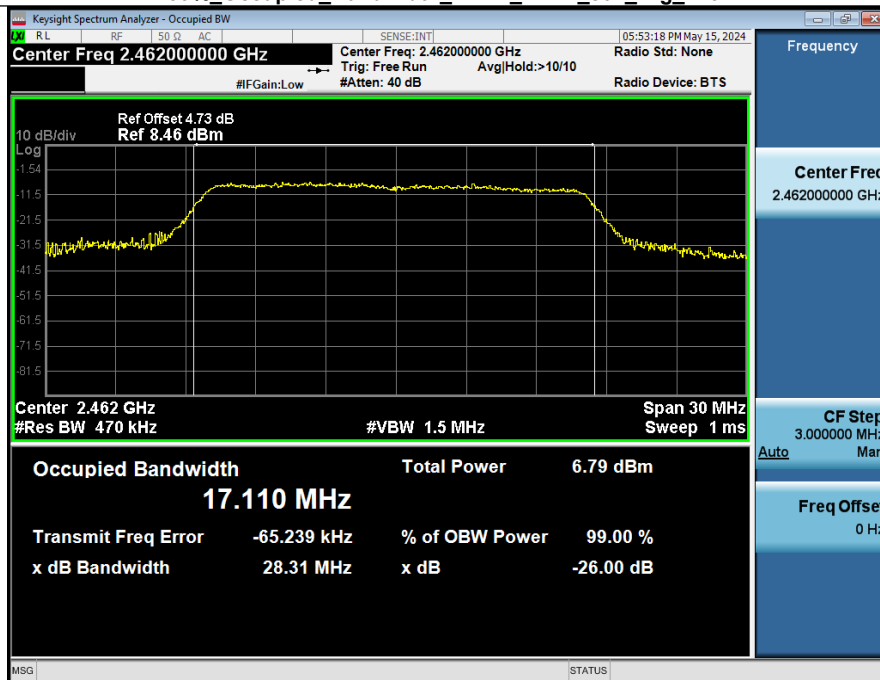
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



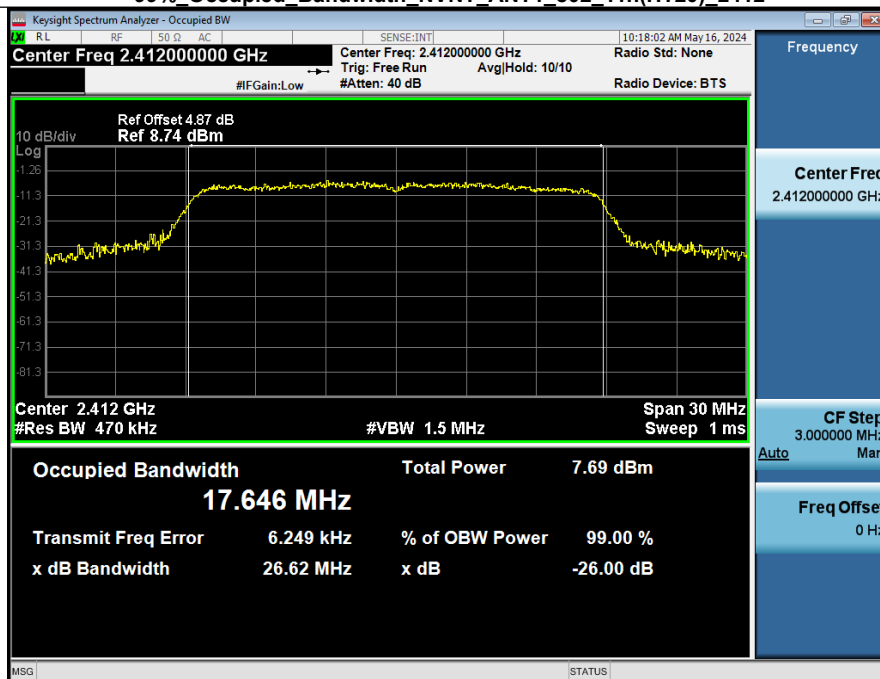
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

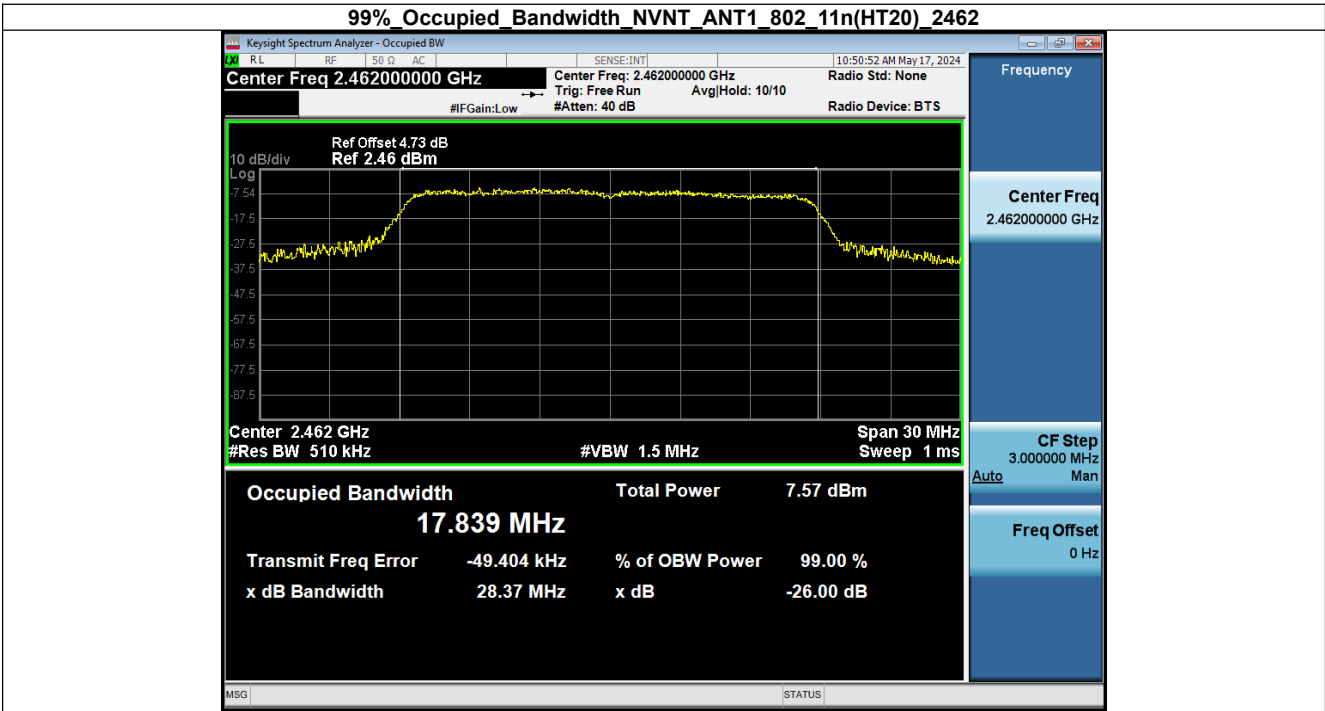
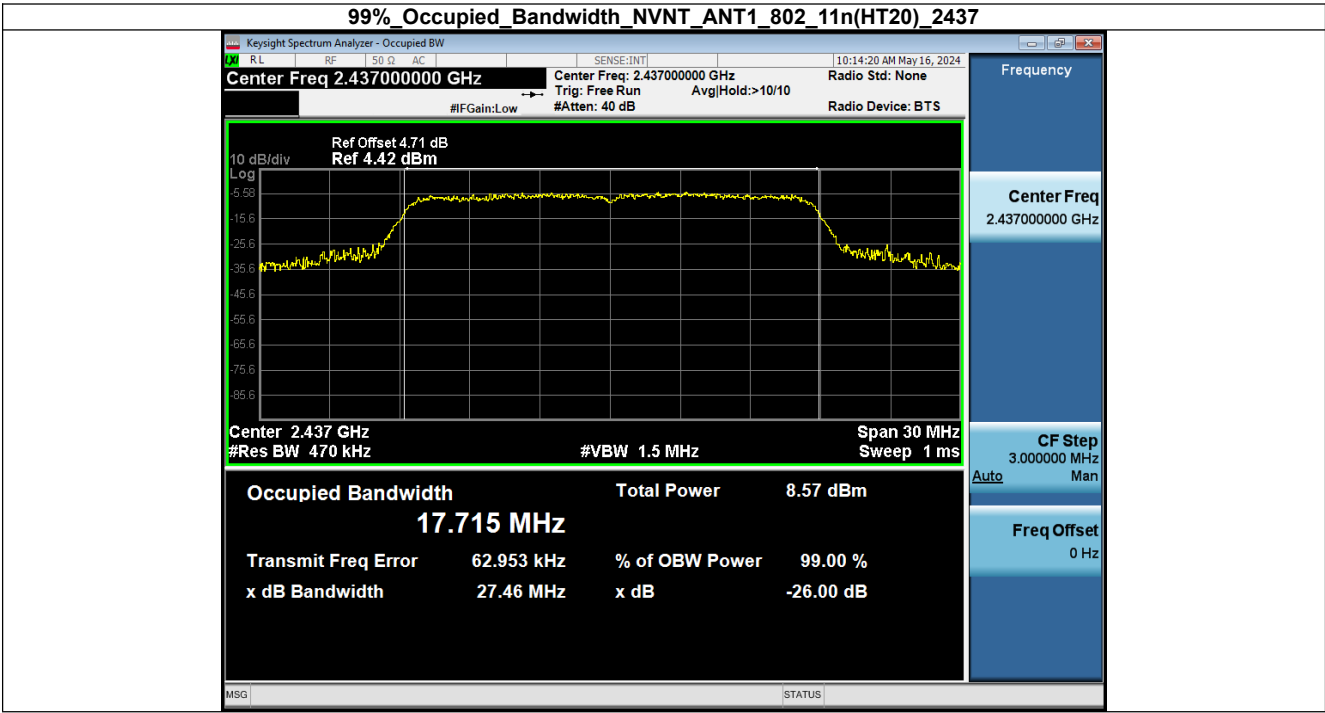


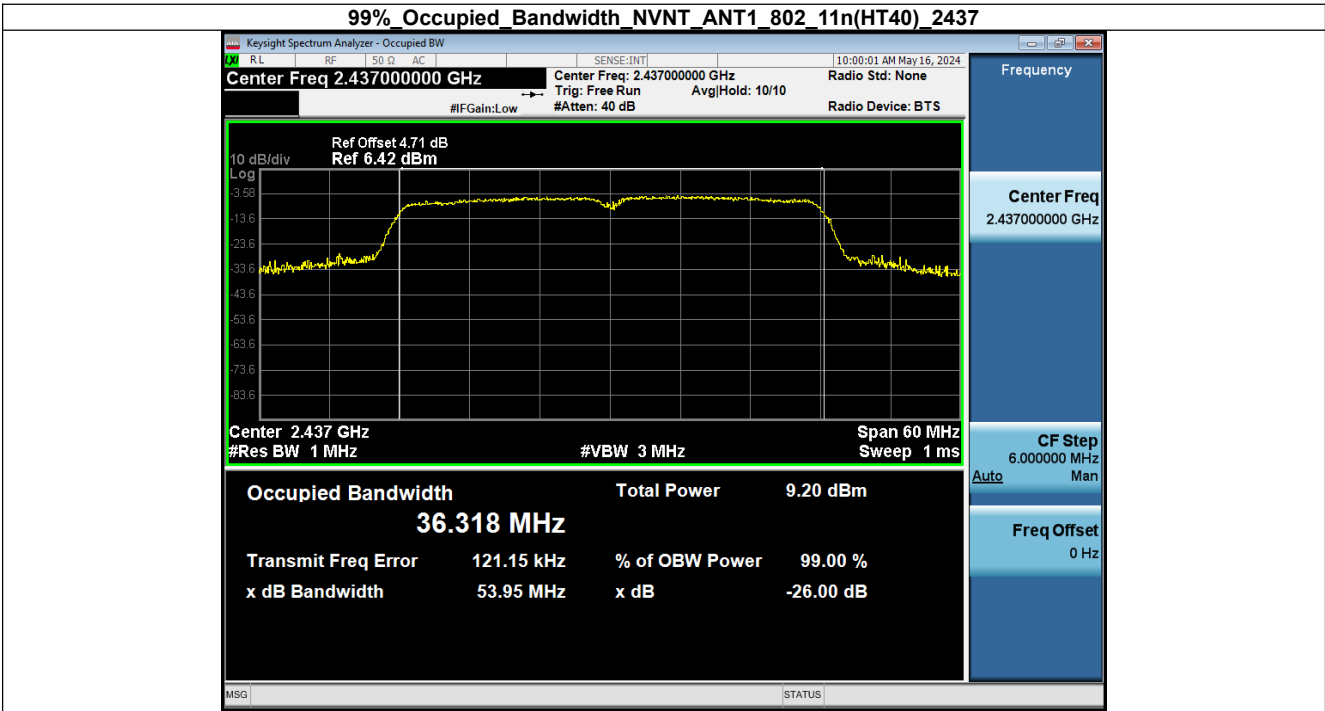
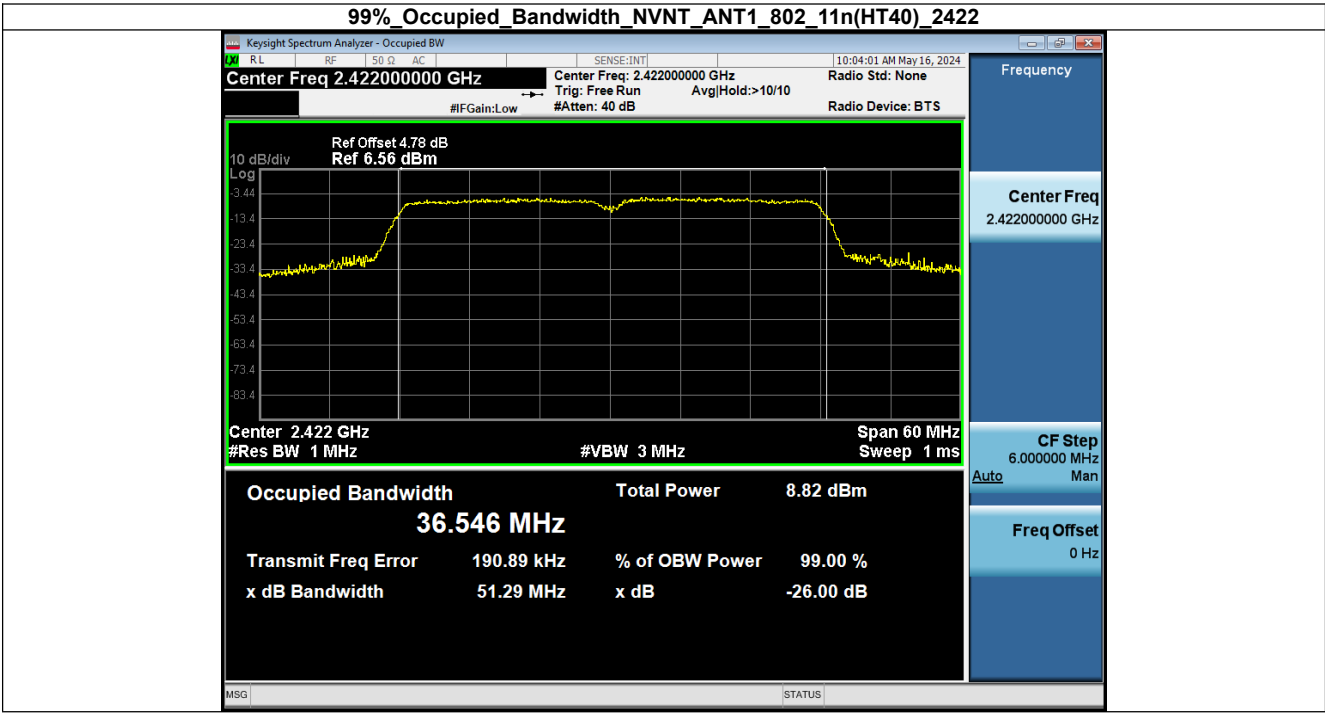
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

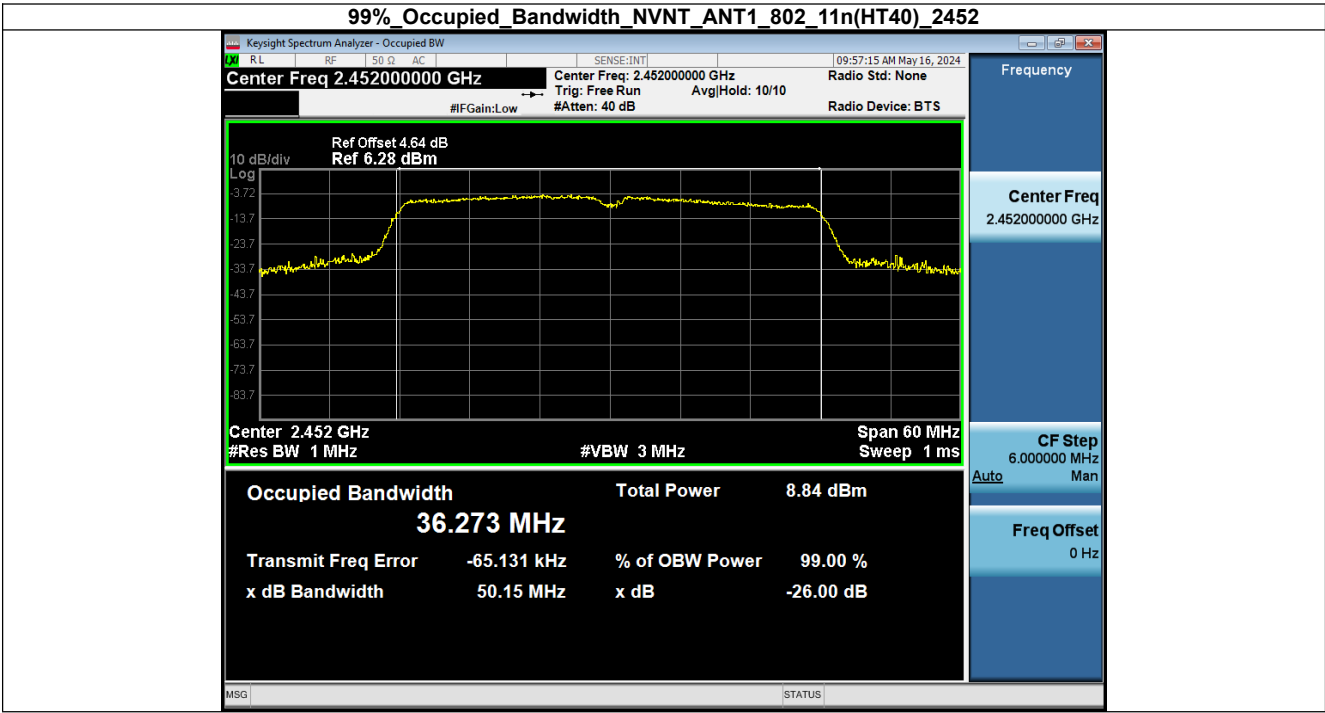


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



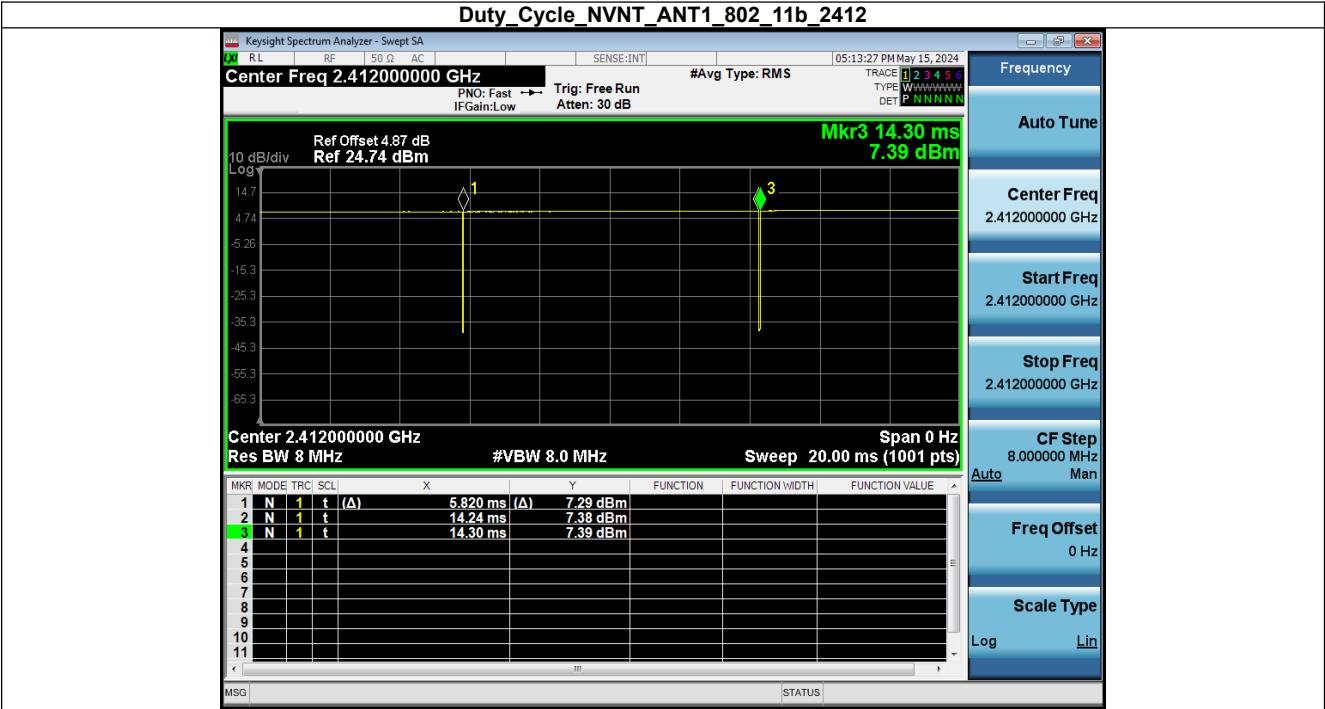




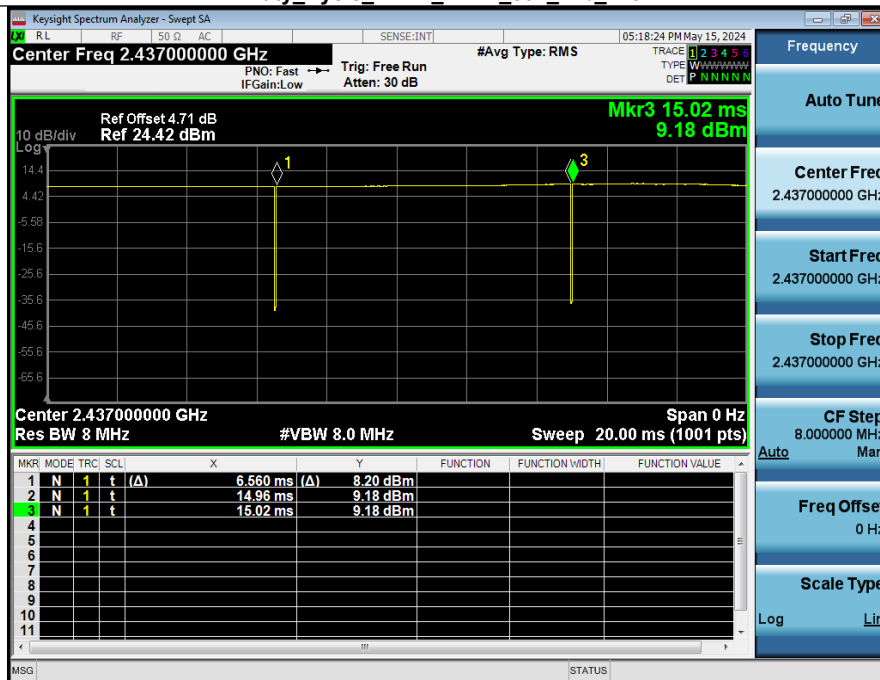


3. Duty Cycle

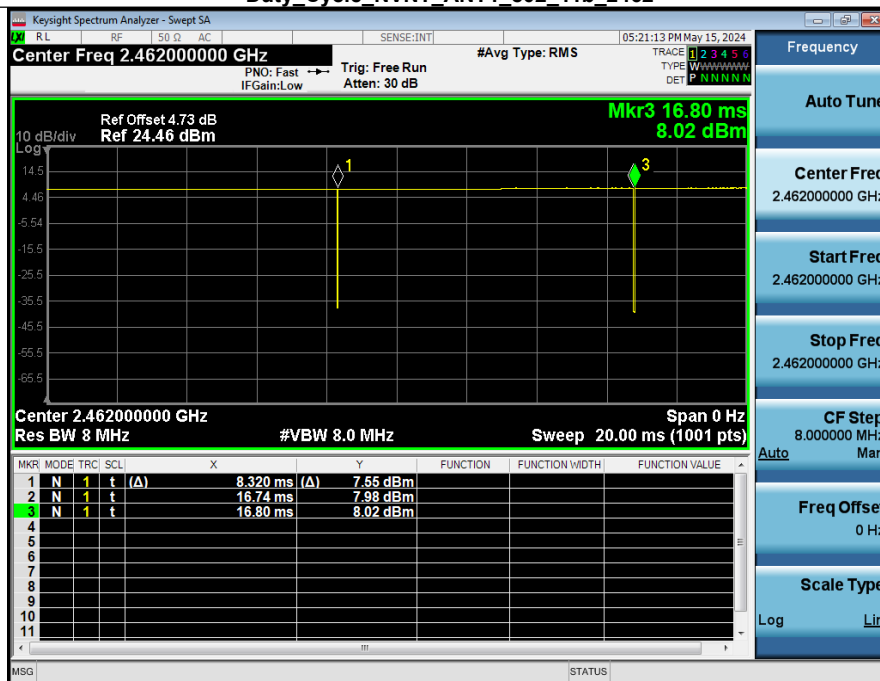
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	97.26	0.12
NVNT	ANT1	802.11g	2437.00	98.61	0.00
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	ANT1	802.11n(HT20)	2412.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2437.00	96.77	0.14
NVNT	ANT1	802.11n(HT20)	2462.00	96.77	0.14
NVNT	ANT1	802.11n(HT40)	2422.00	96.88	0.14
NVNT	ANT1	802.11n(HT40)	2437.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2452.00	93.75	0.28



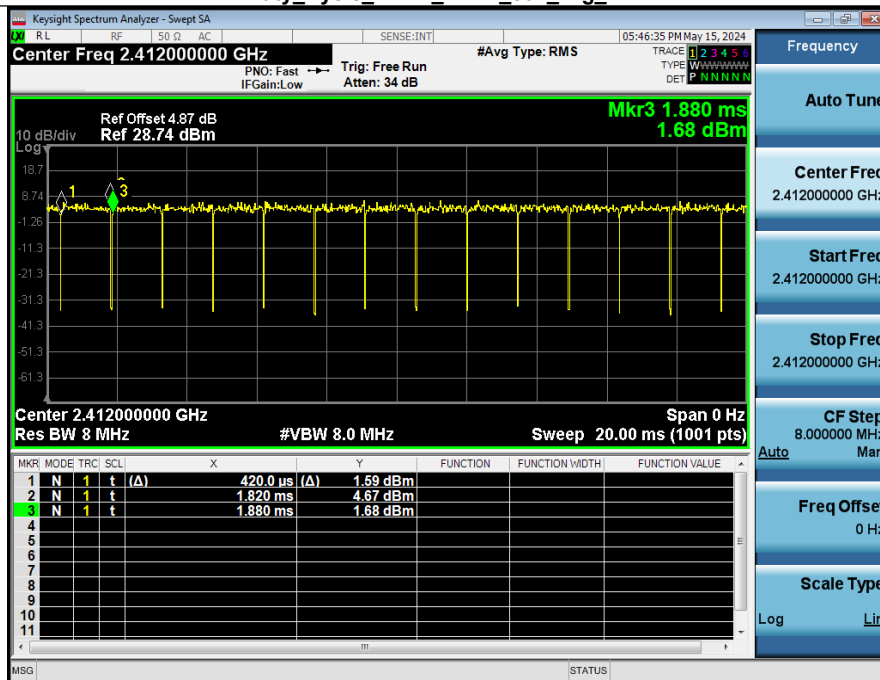
Duty Cycle NVNT_ANT1_802_11b_2437



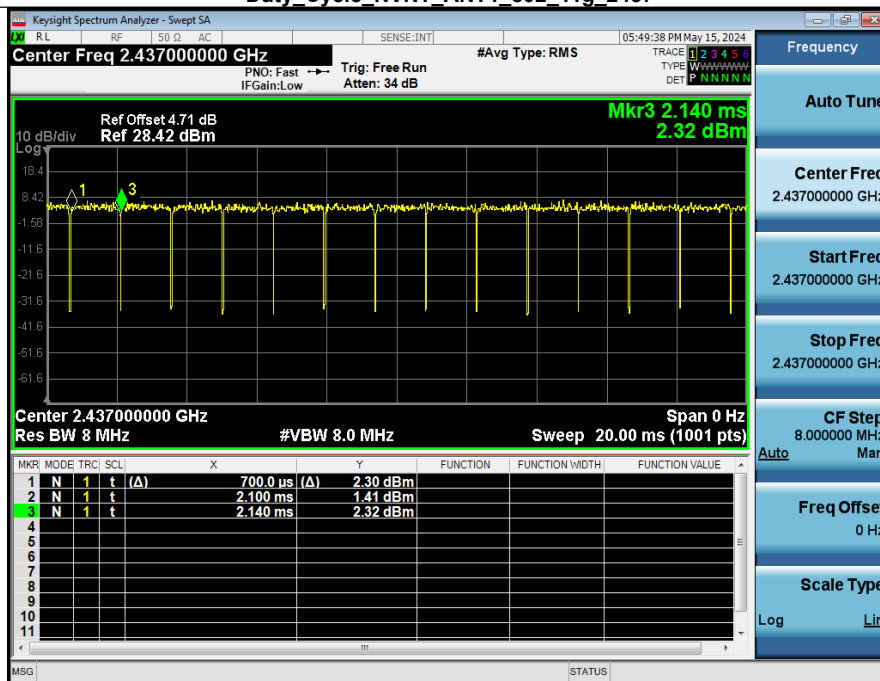
Duty Cycle NVNT_ANT1_802_11b_2462



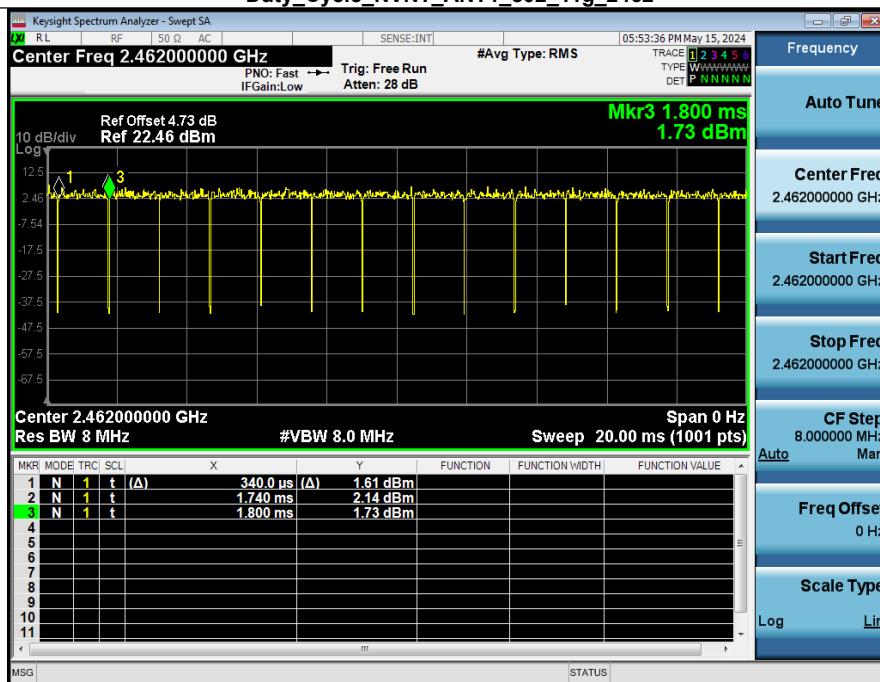
Duty Cycle NVNT_ANT1_802_11g_2412



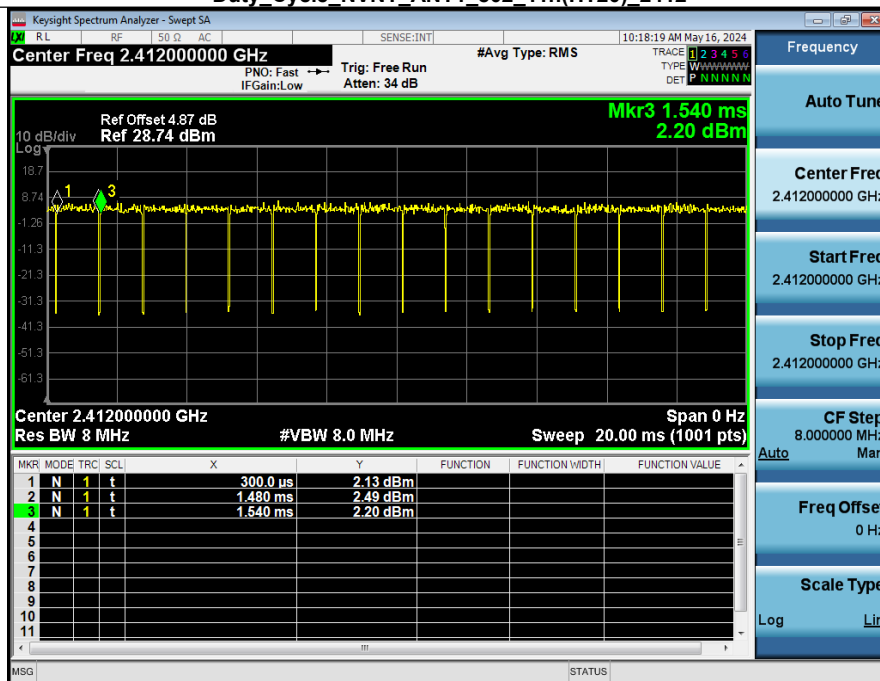
Duty Cycle NVNT_ANT1_802_11g_2437



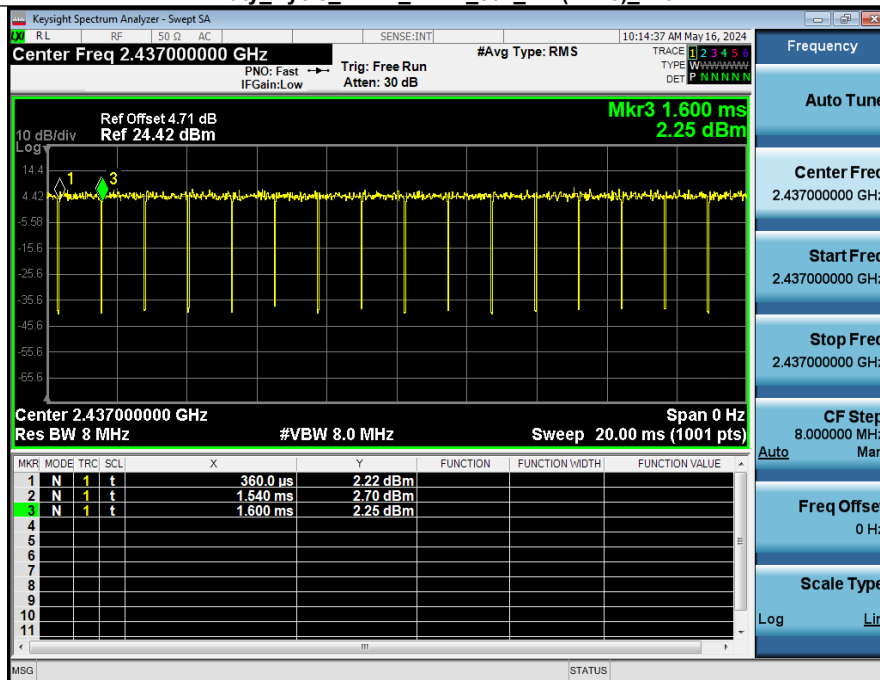
Duty Cycle NVNT_ANT1_802_11g_2462



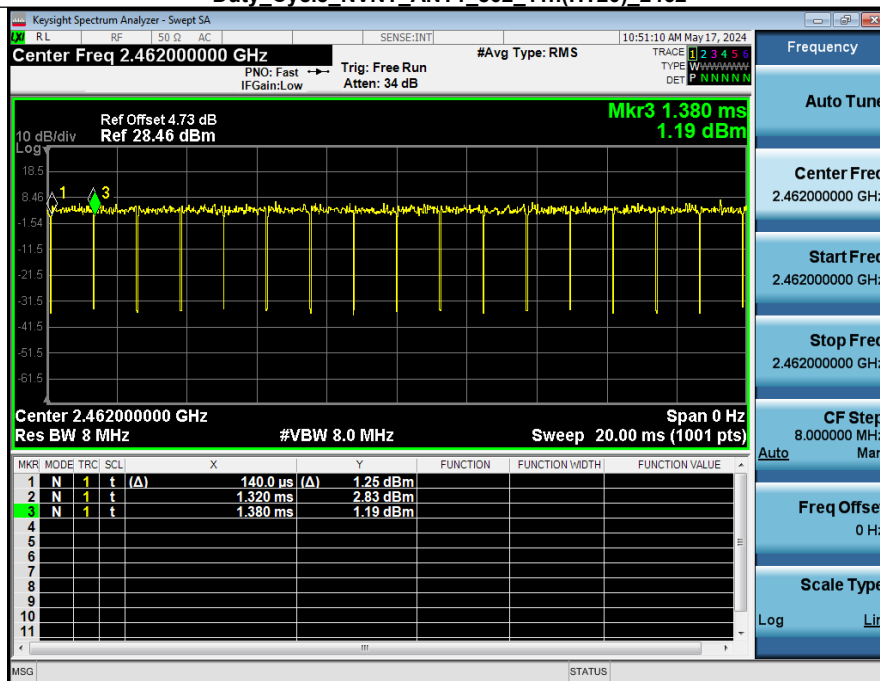
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



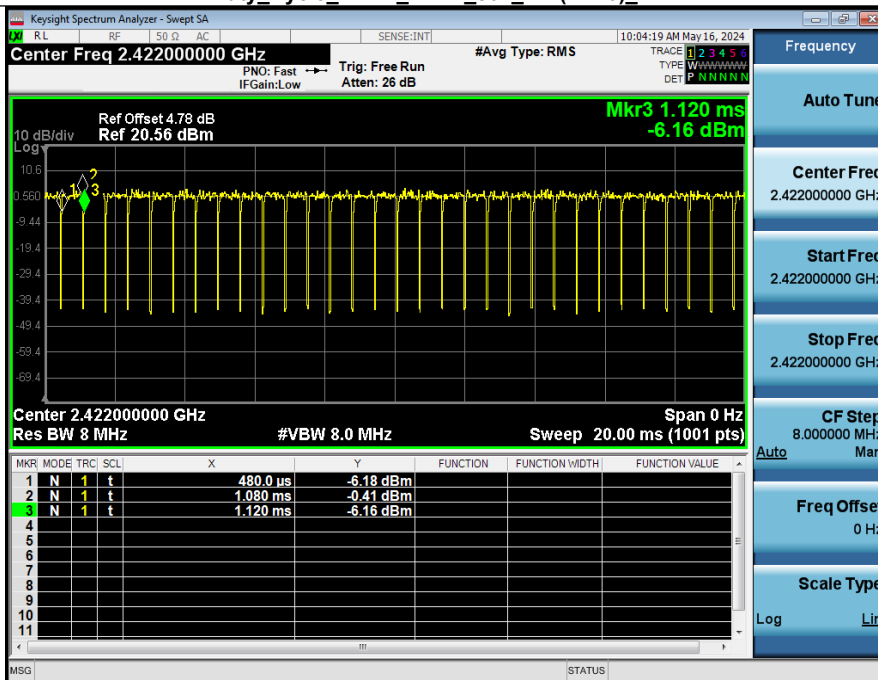
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



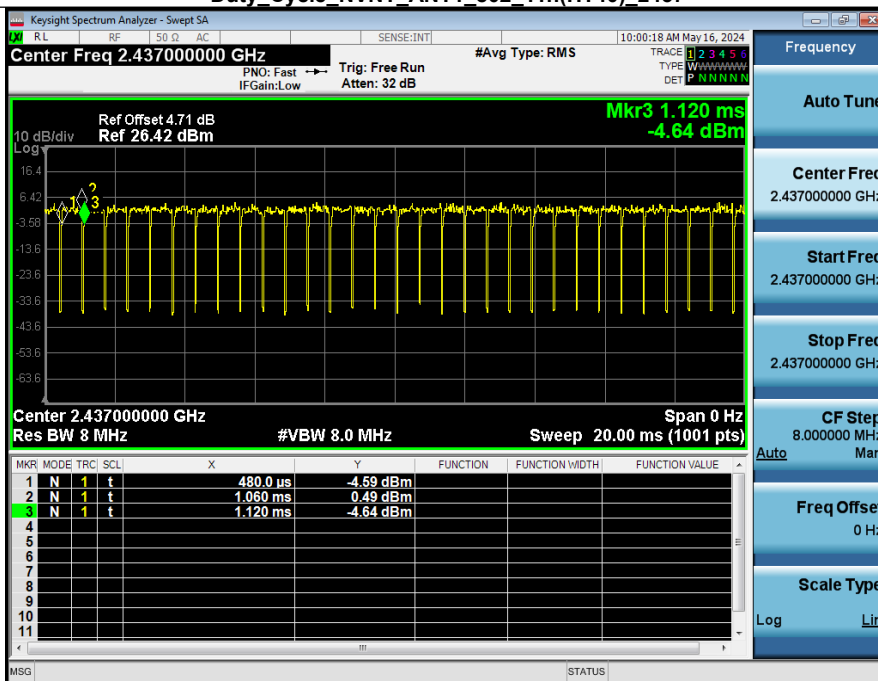
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



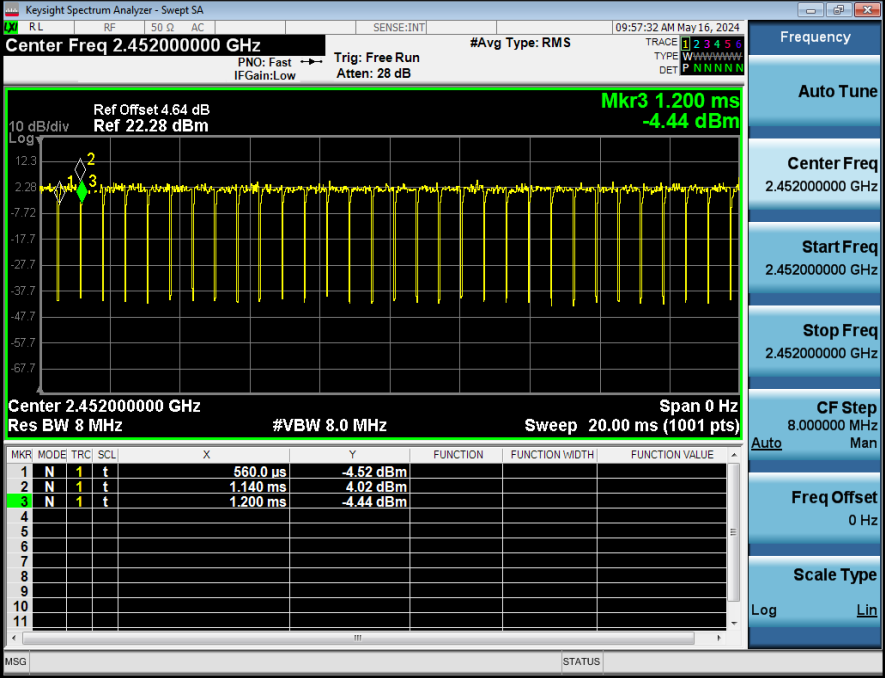
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437

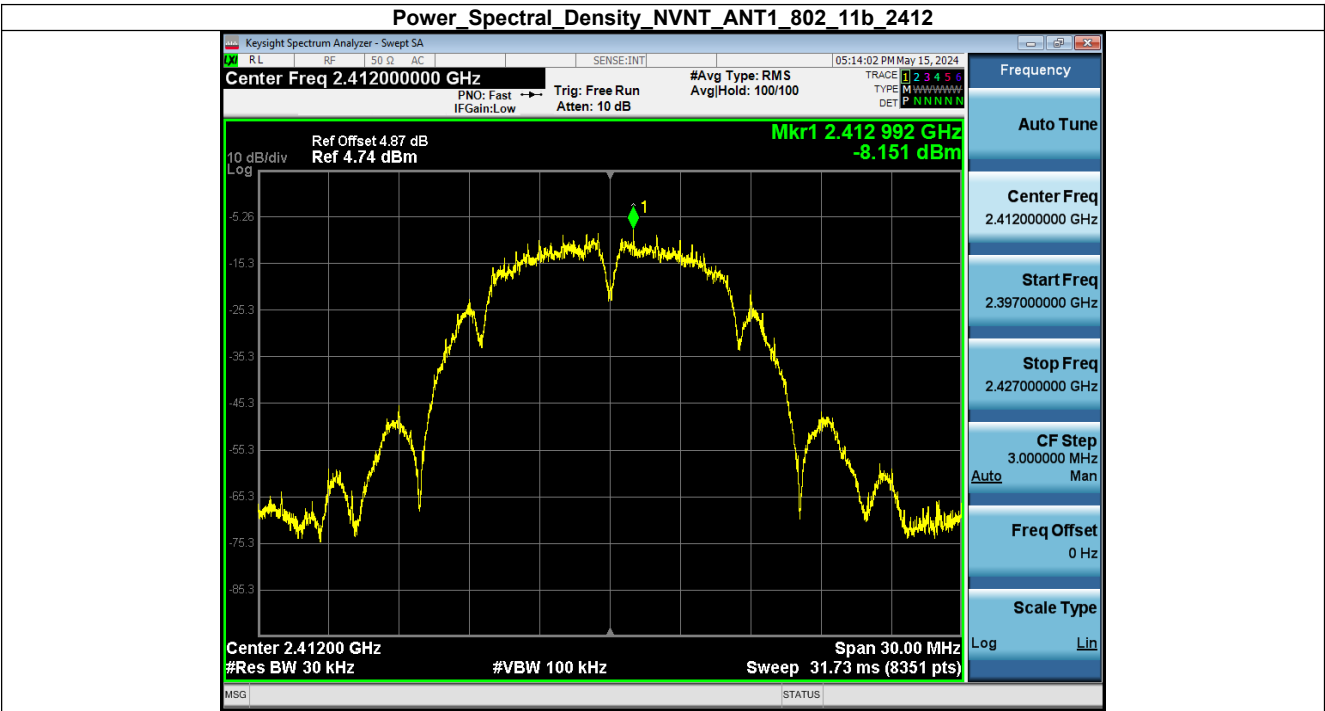


Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



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	-8.15	-10.00	-18.15	8	Pass
NVNT	ANT1	802.11b	2437.00	-8.36	-10.00	-18.36	8	Pass
NVNT	ANT1	802.11b	2462.00	-5.53	-10.00	-15.53	8	Pass
NVNT	ANT1	802.11g	2412.00	-15.94	-10.00	-25.94	8	Pass
NVNT	ANT1	802.11g	2437.00	-15.45	-10.00	-25.45	8	Pass
NVNT	ANT1	802.11g	2462.00	-16.17	-10.00	-26.17	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-16.12	-10.00	-26.12	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-15.53	-10.00	-25.53	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-16.00	-10.00	-26.00	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-18.83	-10.00	-28.83	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-18.33	-10.00	-28.33	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-18.27	-10.00	-28.27	8	Pass



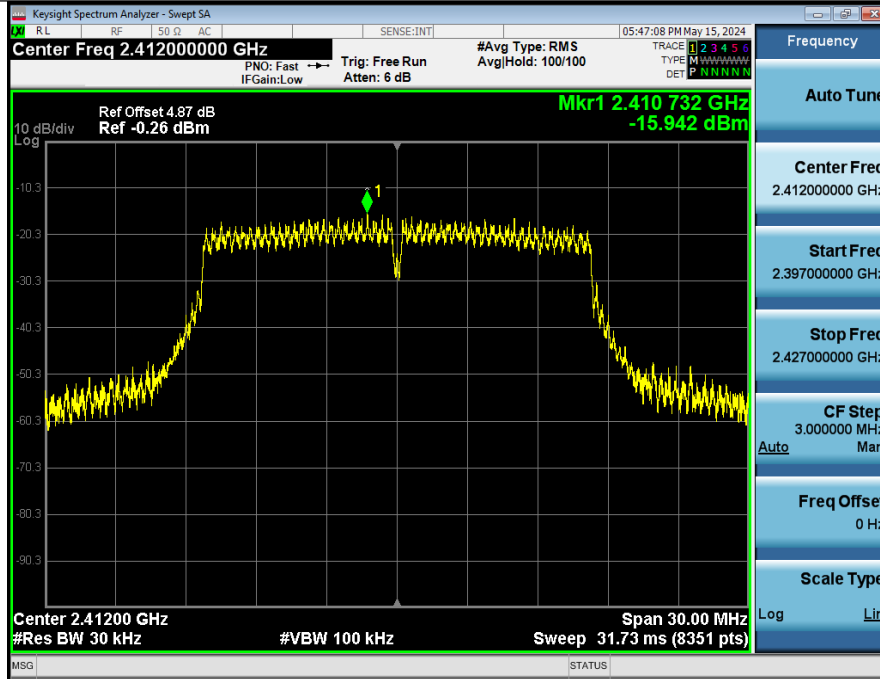
Power Spectral Density_NVNT_ANT1_802_11b_2437



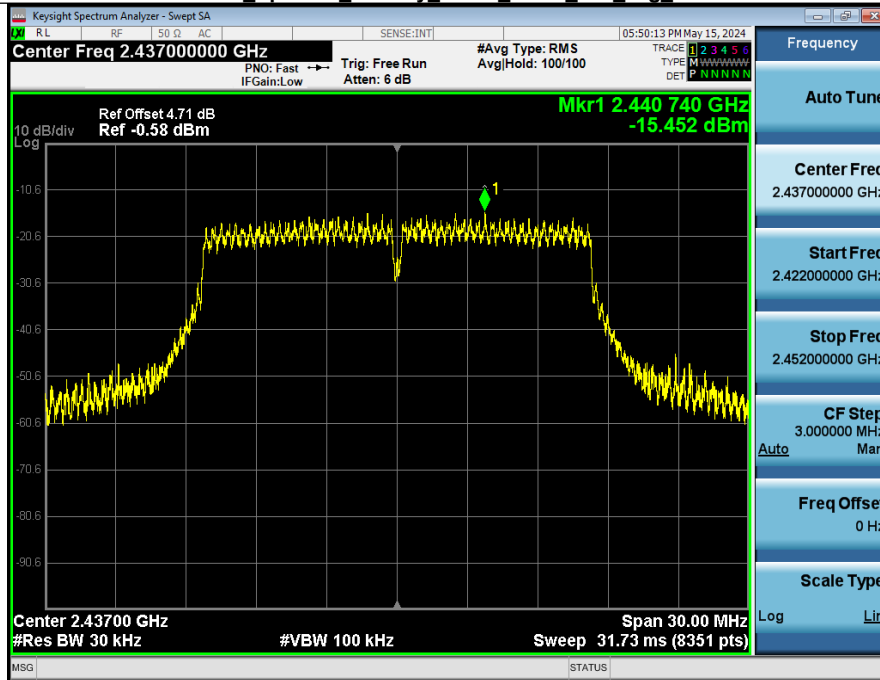
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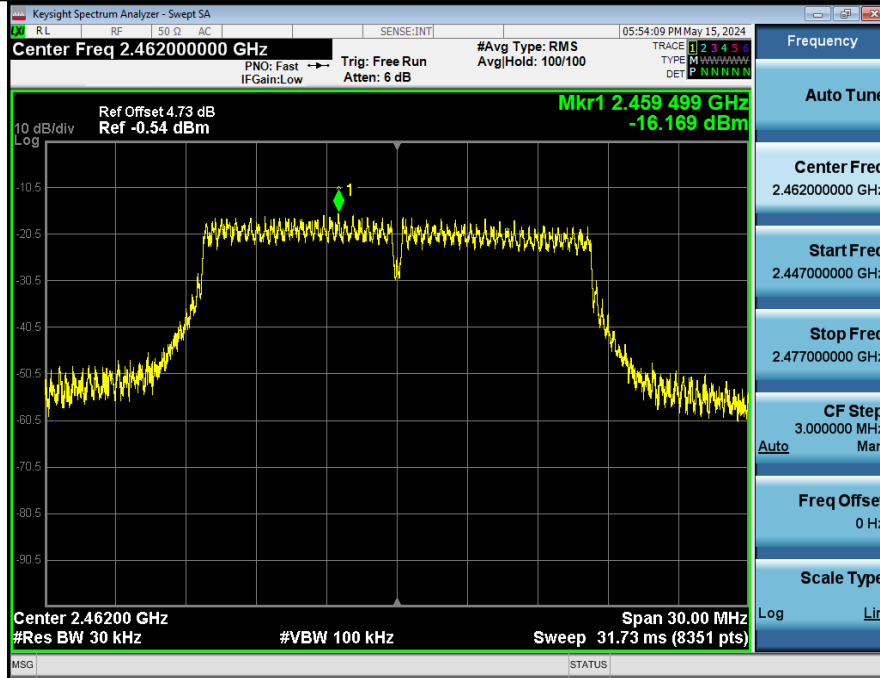
Power Spectral Density NVNT_ANT1_802_11g_2412



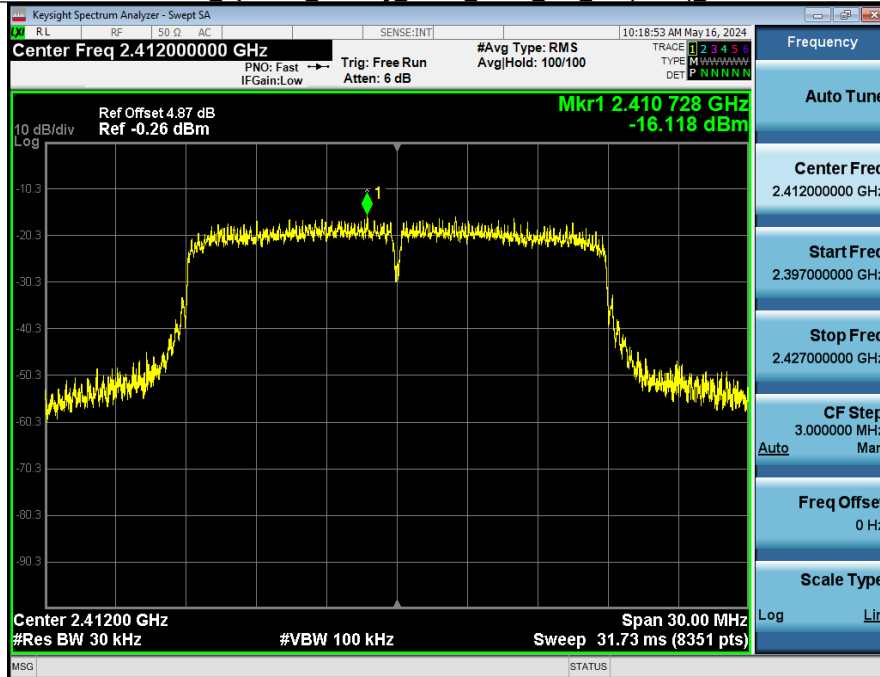
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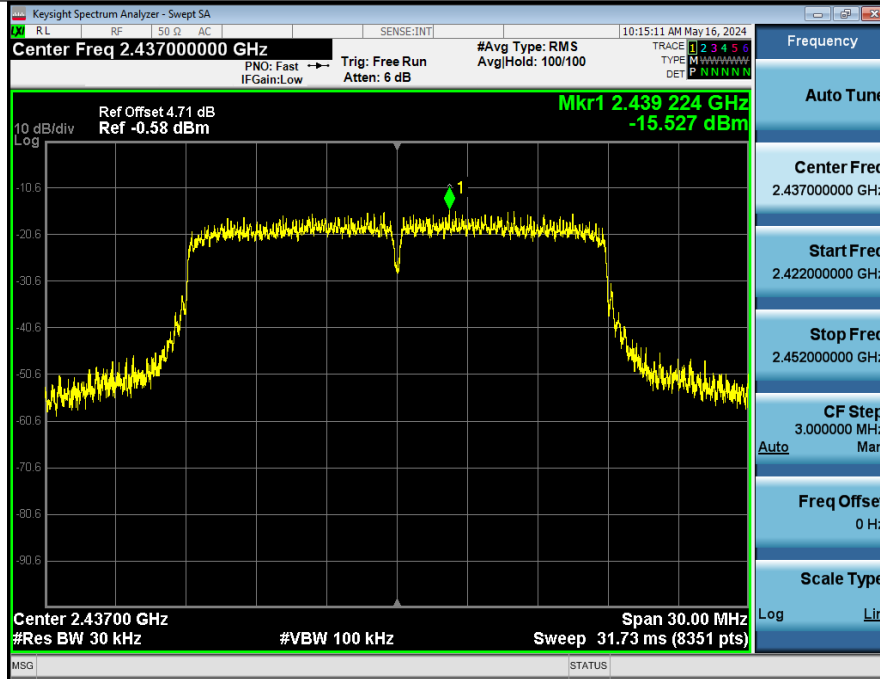
Power Spectral Density NVNT_ANT1_802_11g_2462



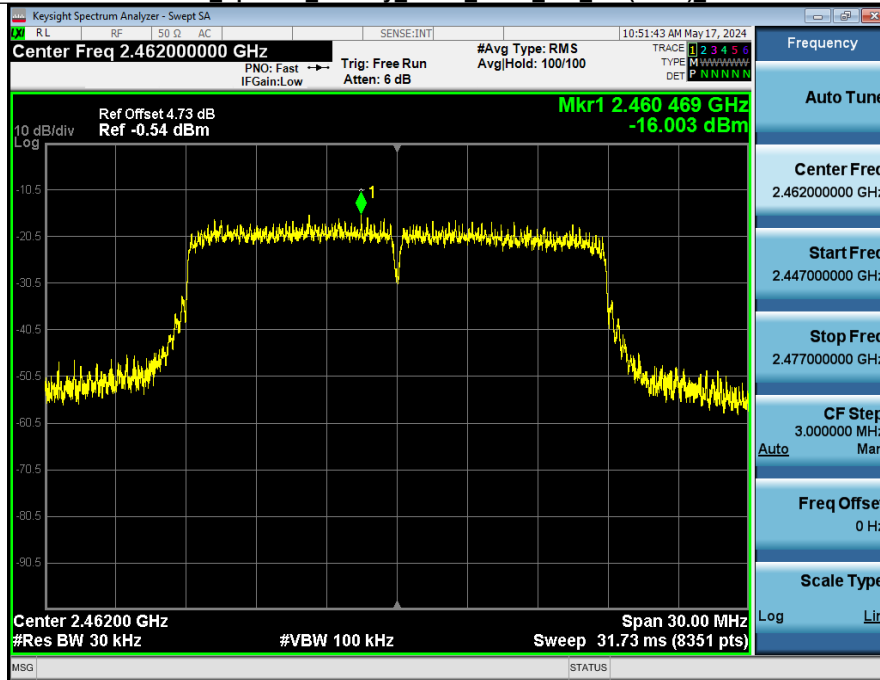
Power Spectral Density NVNT_ANT1_802_11n(HT20)_2412



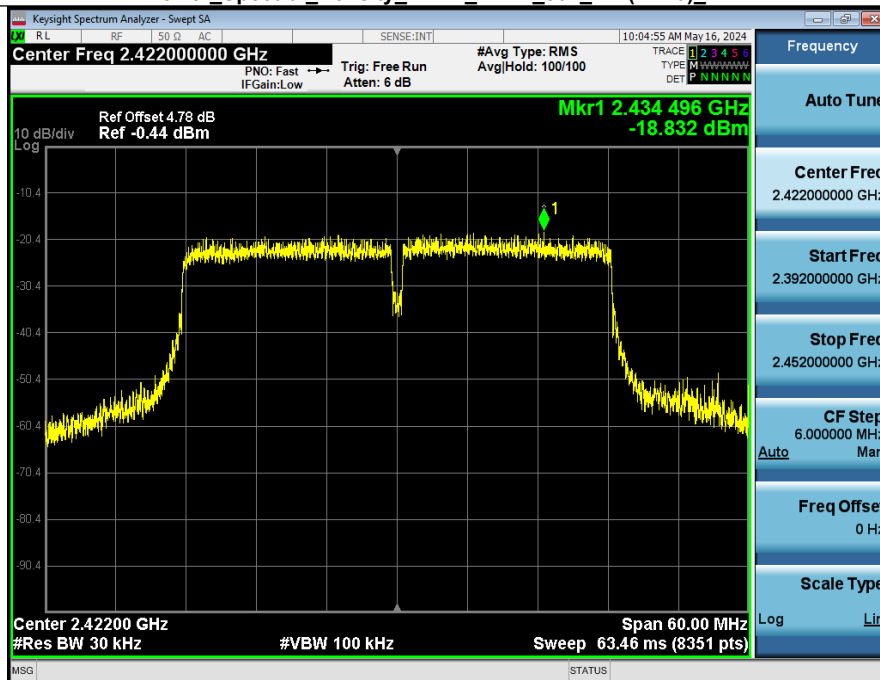
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



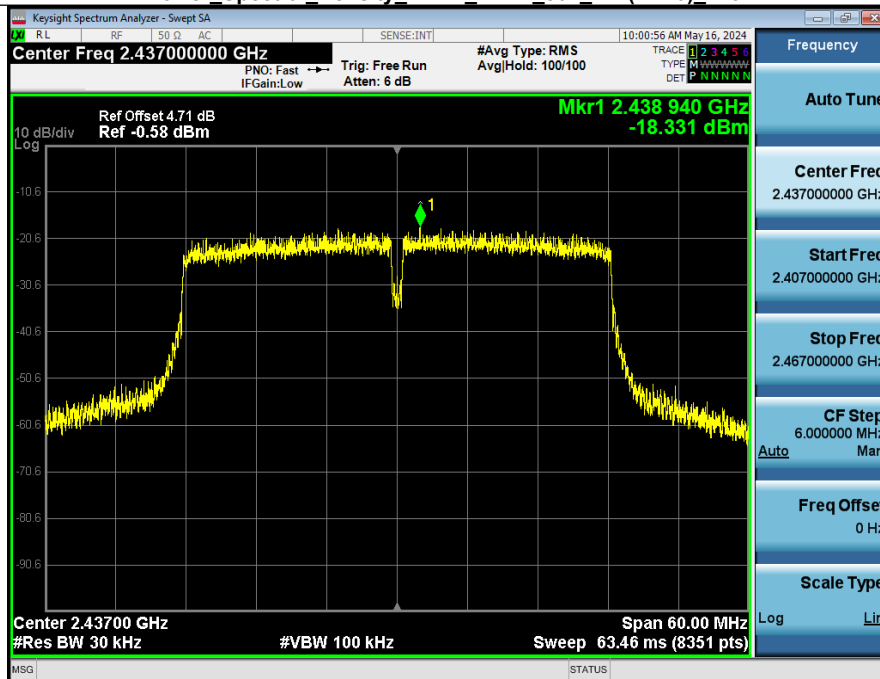
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



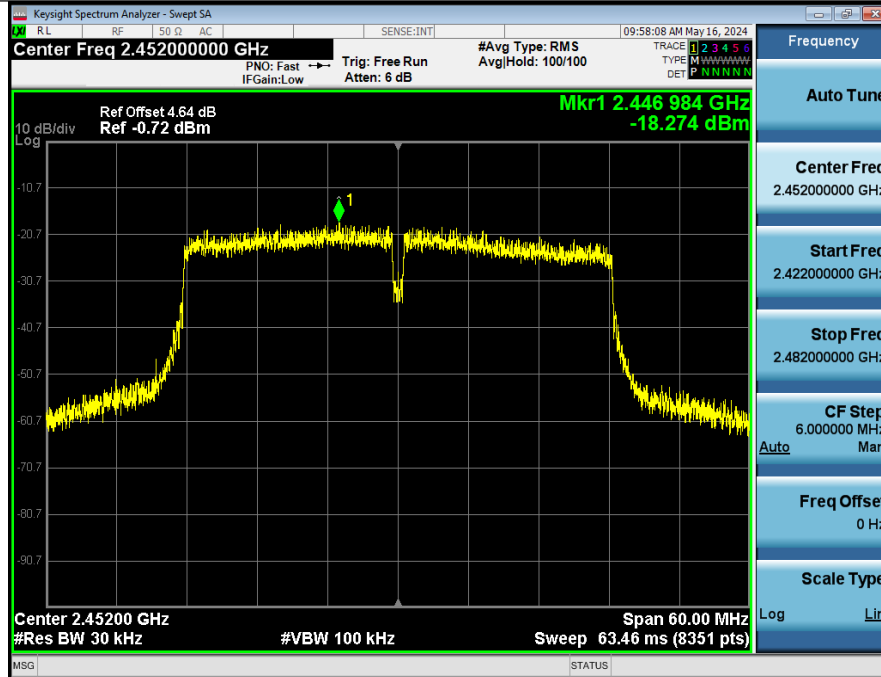
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2437

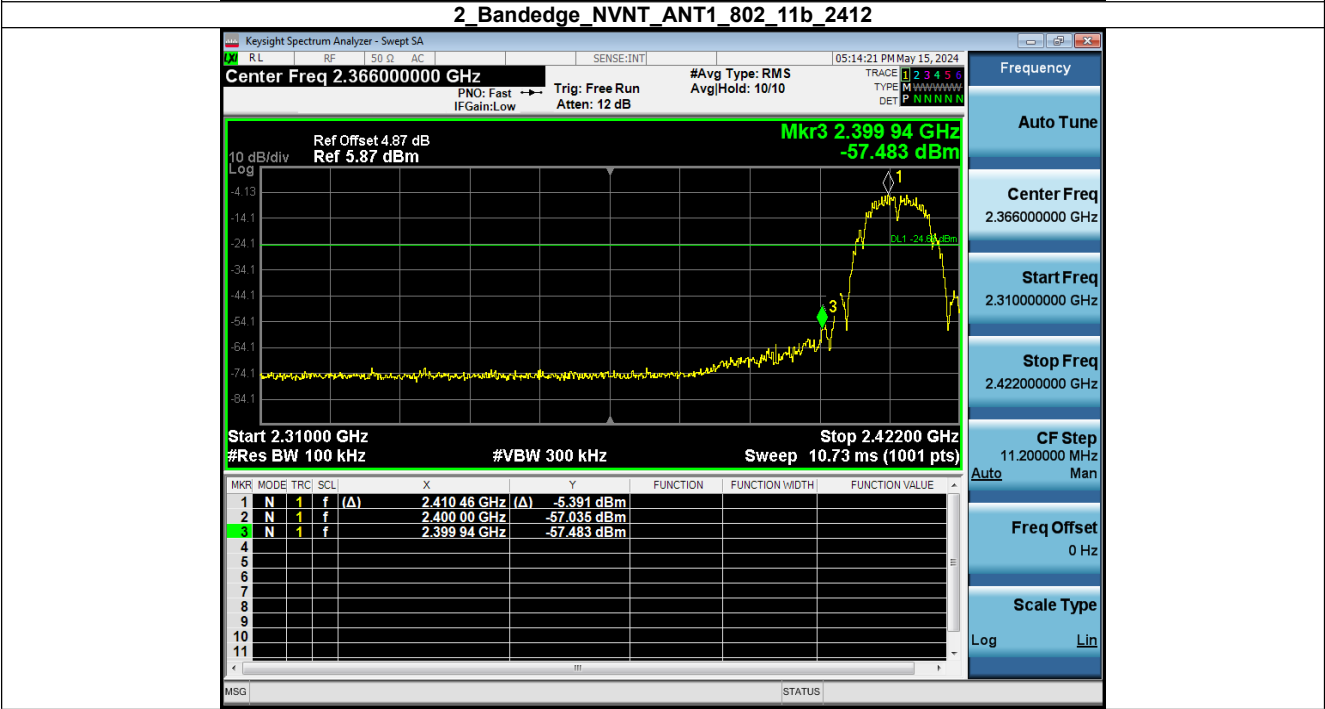


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452

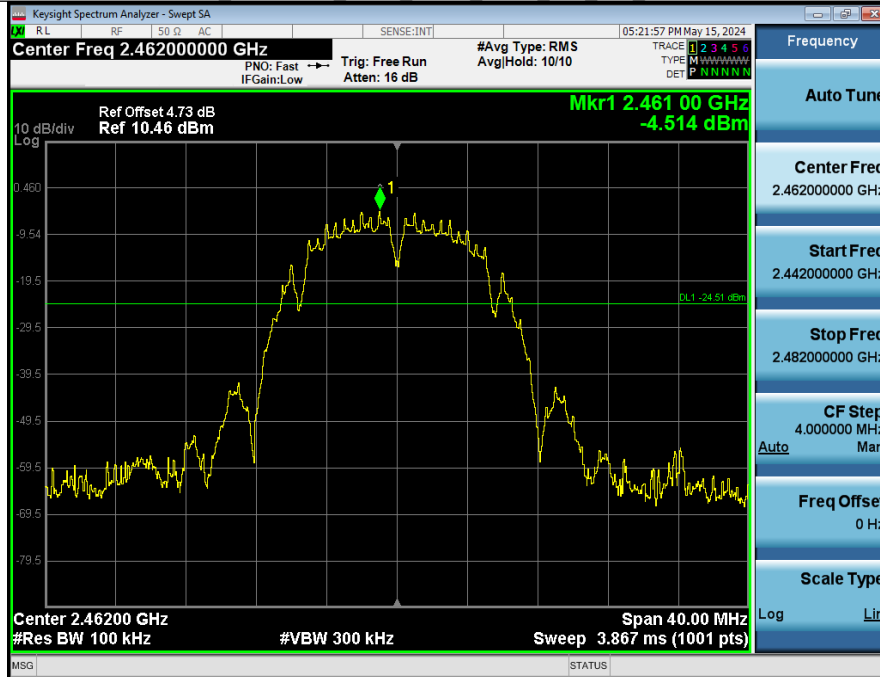


6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-57.483	-24.657	Pass
NVNT	ANT1	802.11b	2462.00	2483.728	-64.612	-24.514	Pass
NVNT	ANT1	802.11g	2412.00	2398.928	-44.636	-31.169	Pass
NVNT	ANT1	802.11g	2462.00	2483.536	-56.268	-31.363	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-40.919	-31.740	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.584	-53.917	-31.924	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-44.448	-34.028	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-52.882	-33.550	Pass



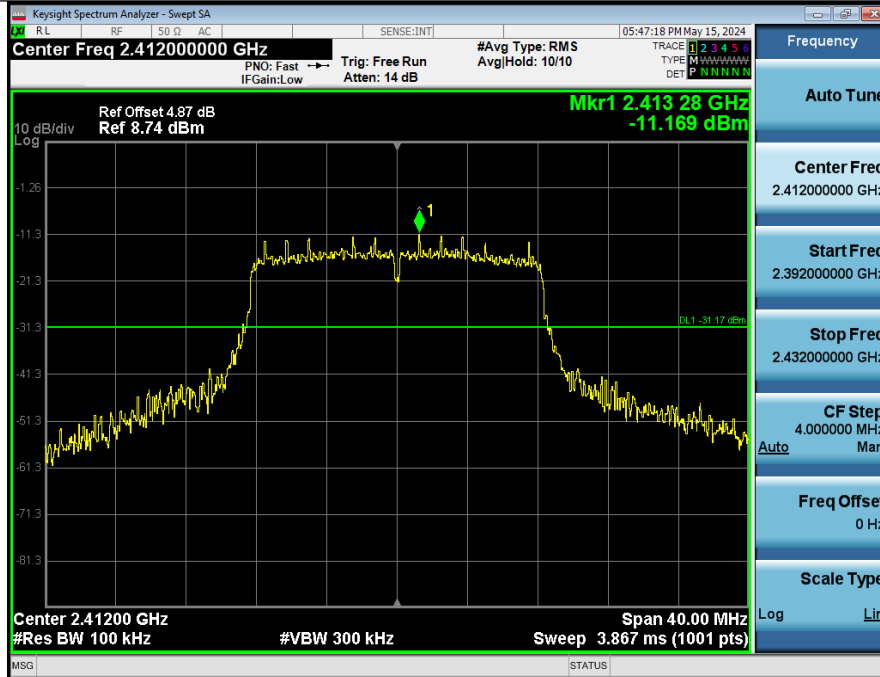
1 Reference_Level_NVNT_ANT1_802_11b_2462



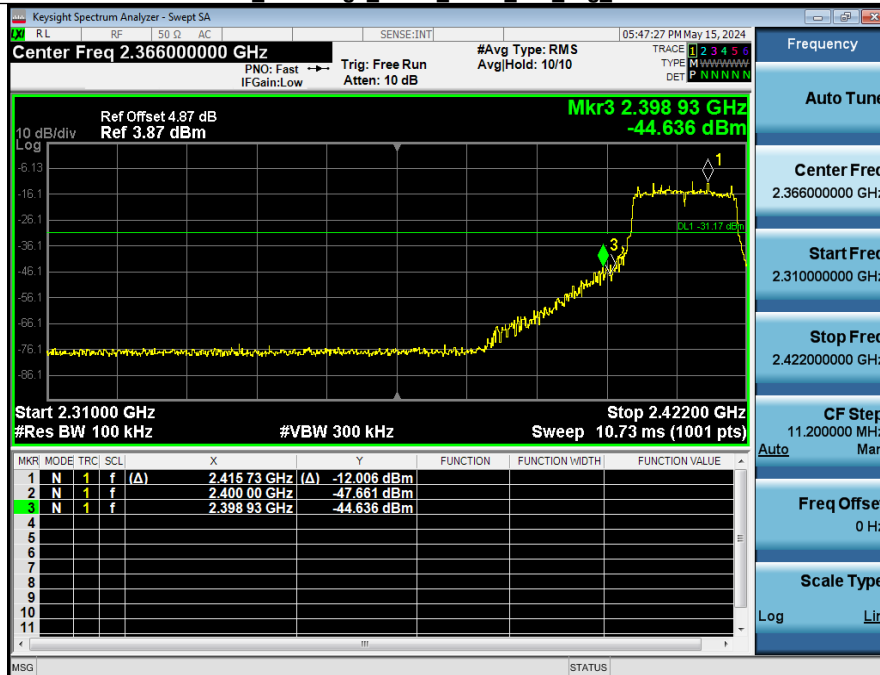
2 Bandedge_NVNT_ANT1_802_11b_2462



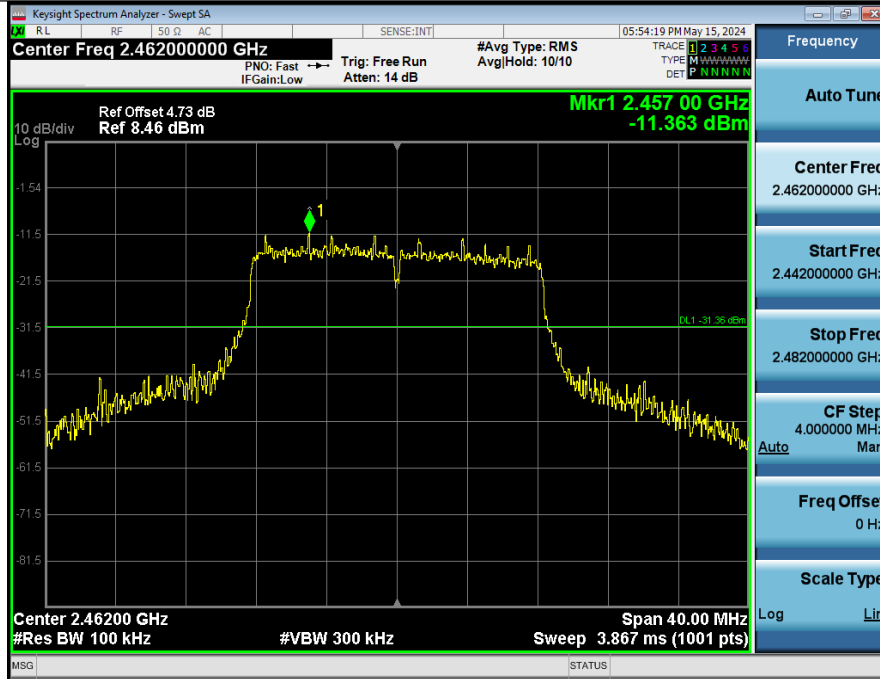
1 Reference Level_NVNT_ANT1_802_11g_2412



2 Bandedge_NVNT_ANT1_802_11g_2412



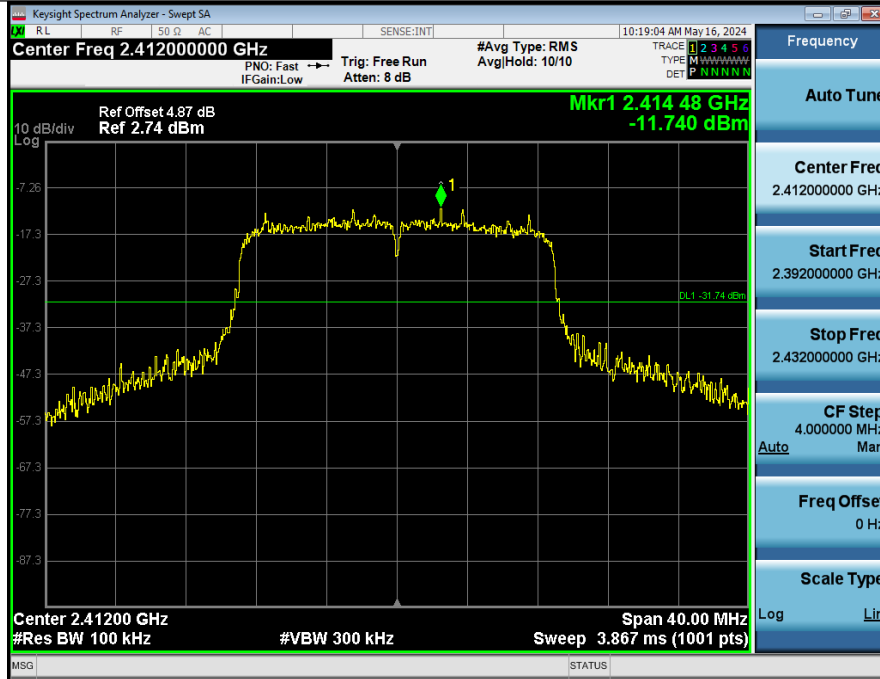
1 Reference_Level_NVNT_ANT1_802_11g_2462



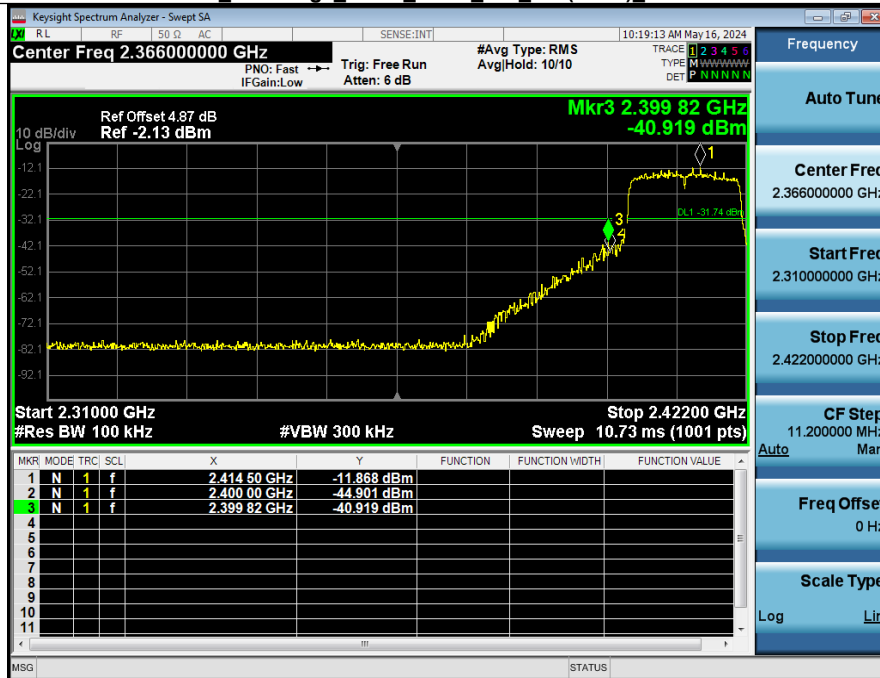
2 Bandedge_NVNT_ANT1_802_11g_2462



1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



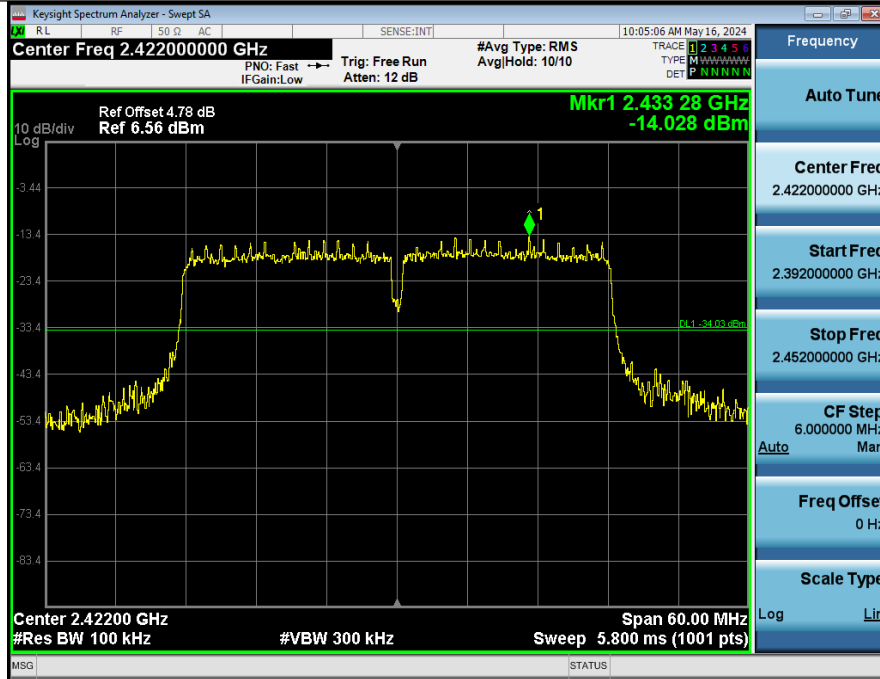
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



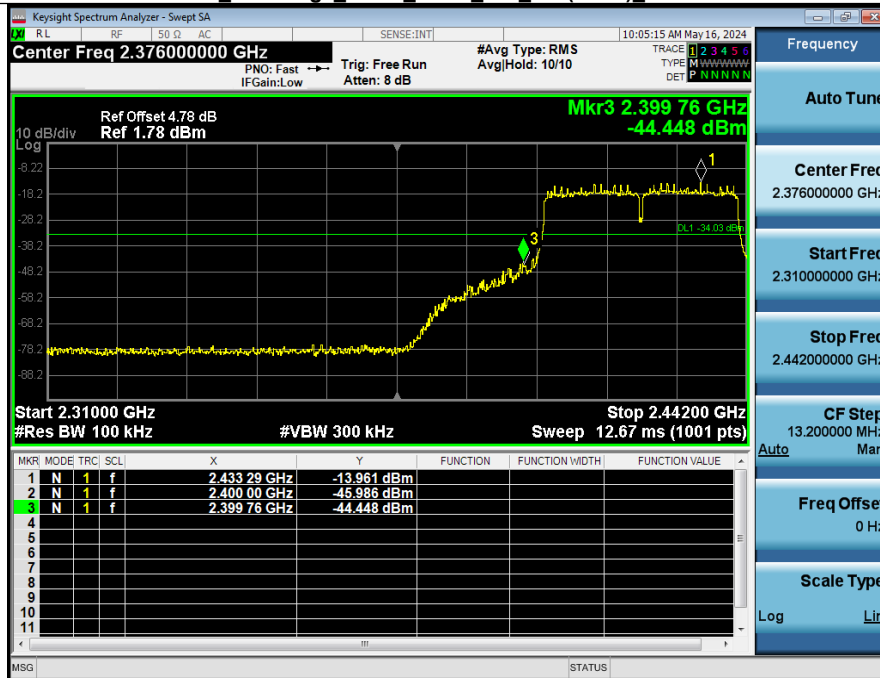
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



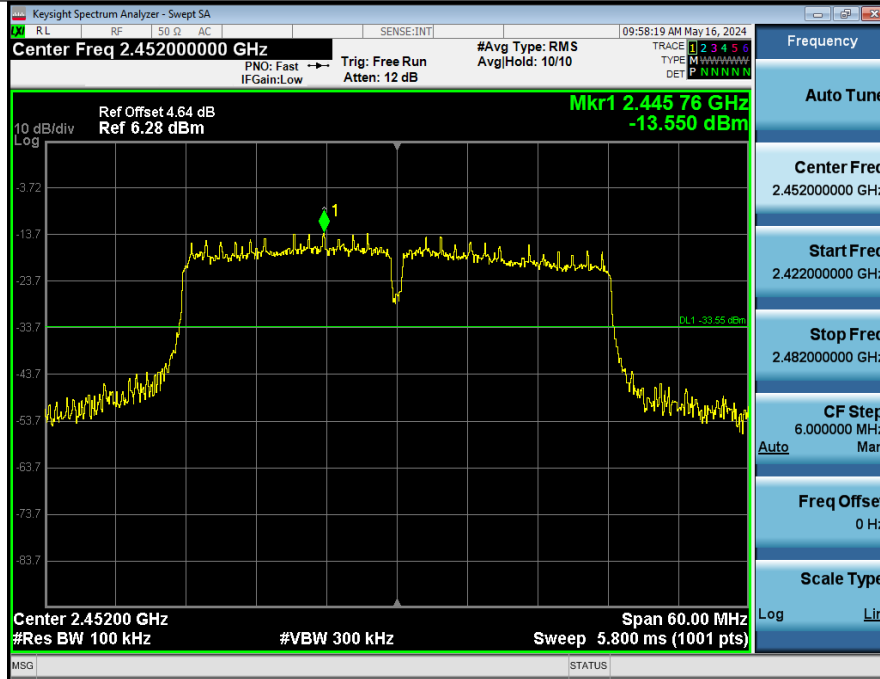
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

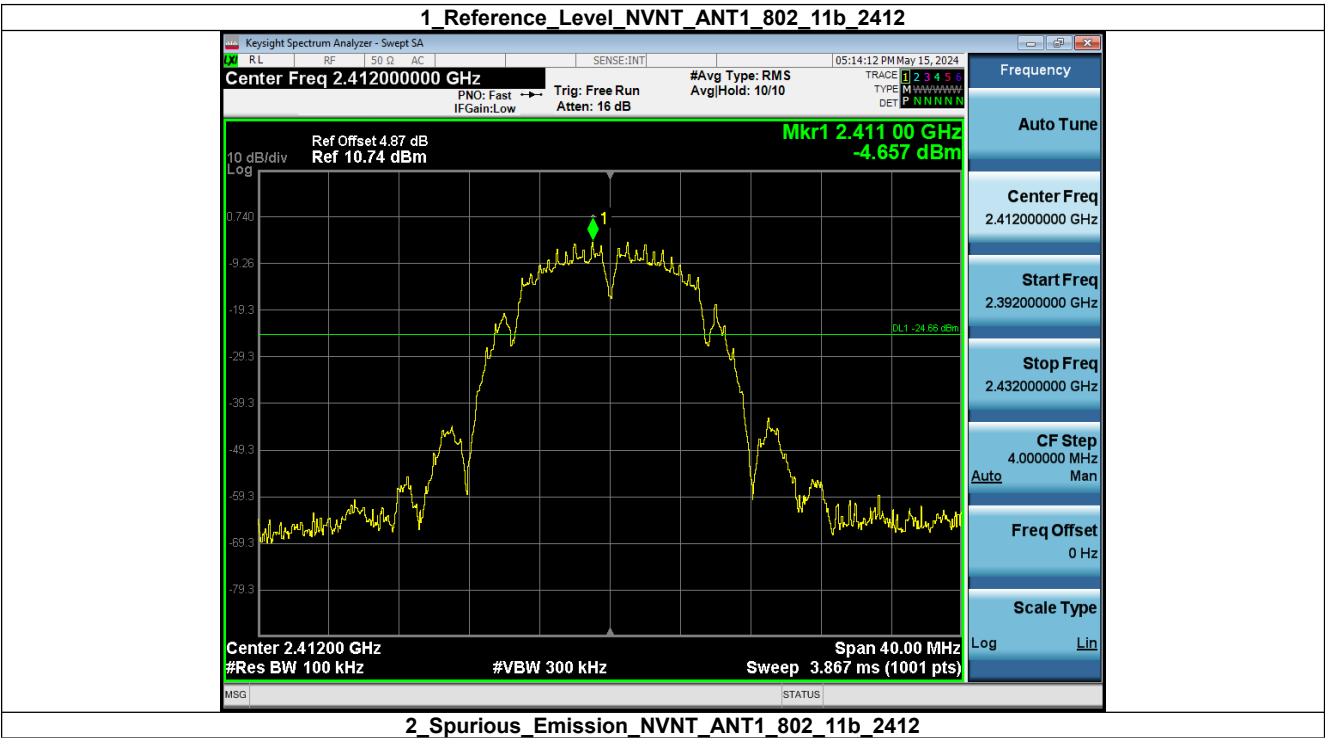


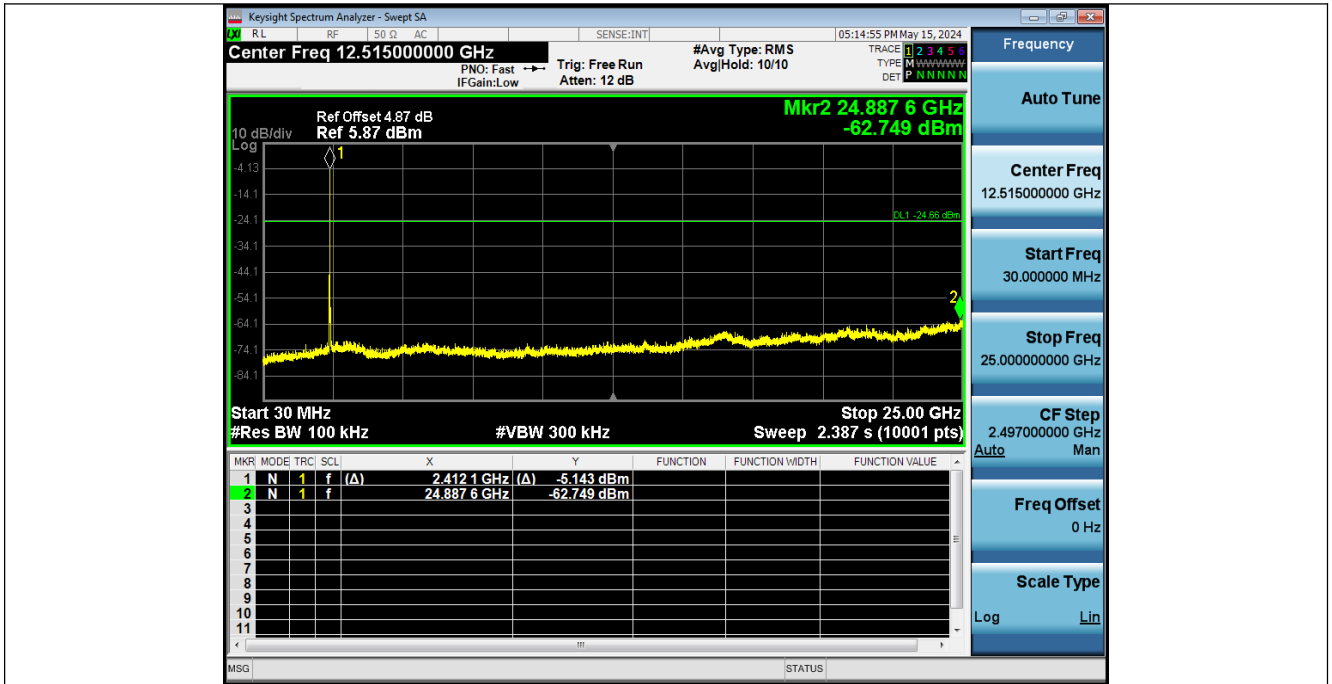
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



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	24887.635	-62.749	-24.657	Pass
NVNT	ANT1	802.11b	2437.00	24927.587	-61.702	-24.377	Pass
NVNT	ANT1	802.11b	2462.00	24917.599	-62.632	-24.514	Pass
NVNT	ANT1	802.11g	2412.00	704.190	-32.141	-31.169	Pass
NVNT	ANT1	802.11g	2437.00	721.669	-32.215	-31.415	Pass
NVNT	ANT1	802.11g	2462.00	724.166	-42.636	-31.363	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	5743.136	-65.563	-31.740	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	1745.439	-47.412	-31.113	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	1745.439	-39.210	-31.924	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	826.543	-45.136	-34.028	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24992.509	-65.958	-33.444	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	5780.591	-66.269	-33.550	Pass

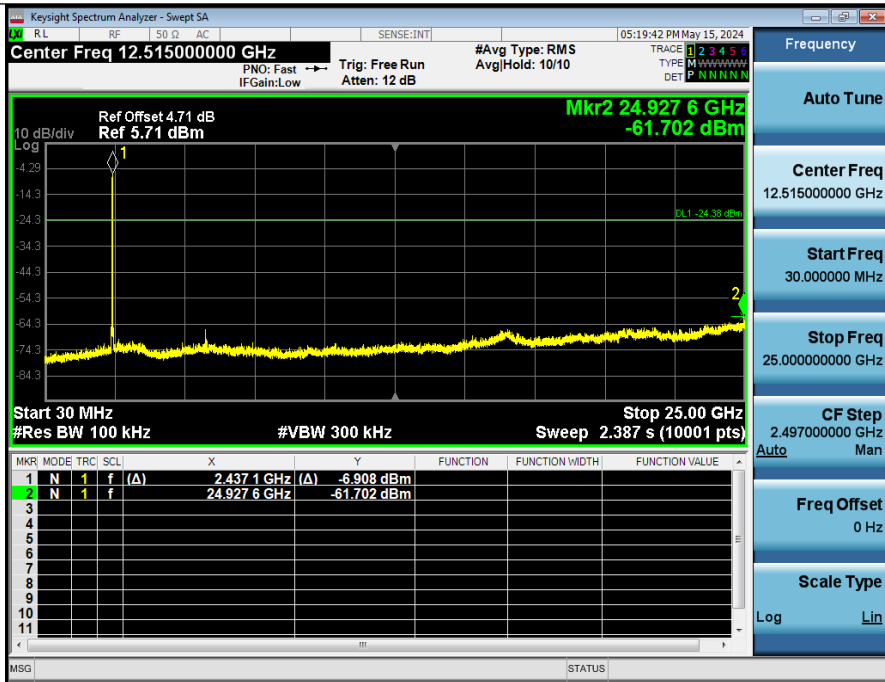




1 Reference Level NVNT_ANT1_802_11b_2437



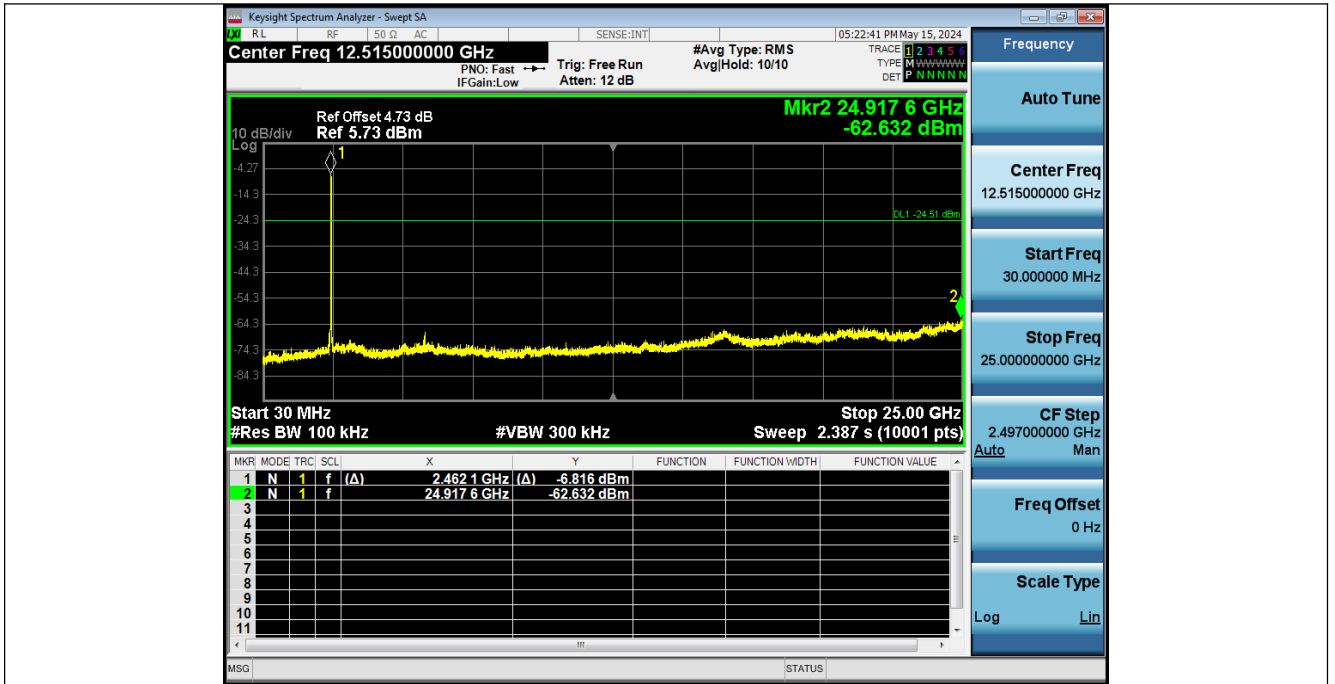
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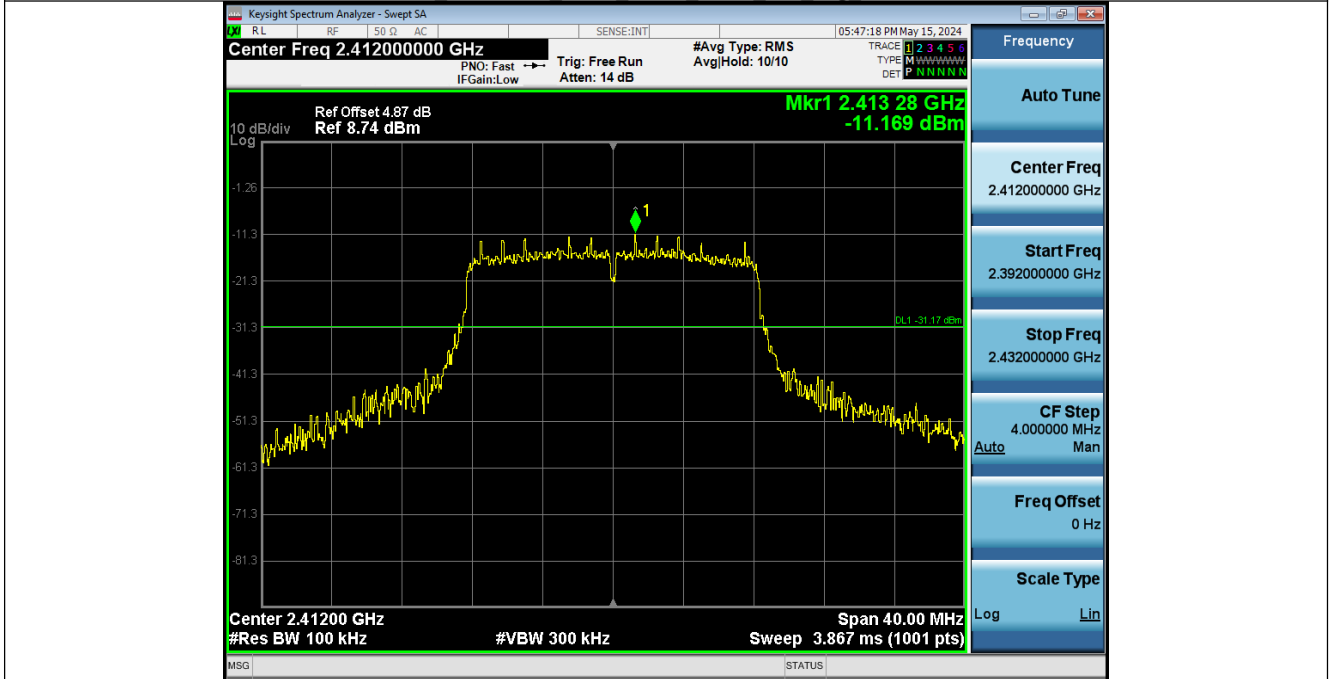
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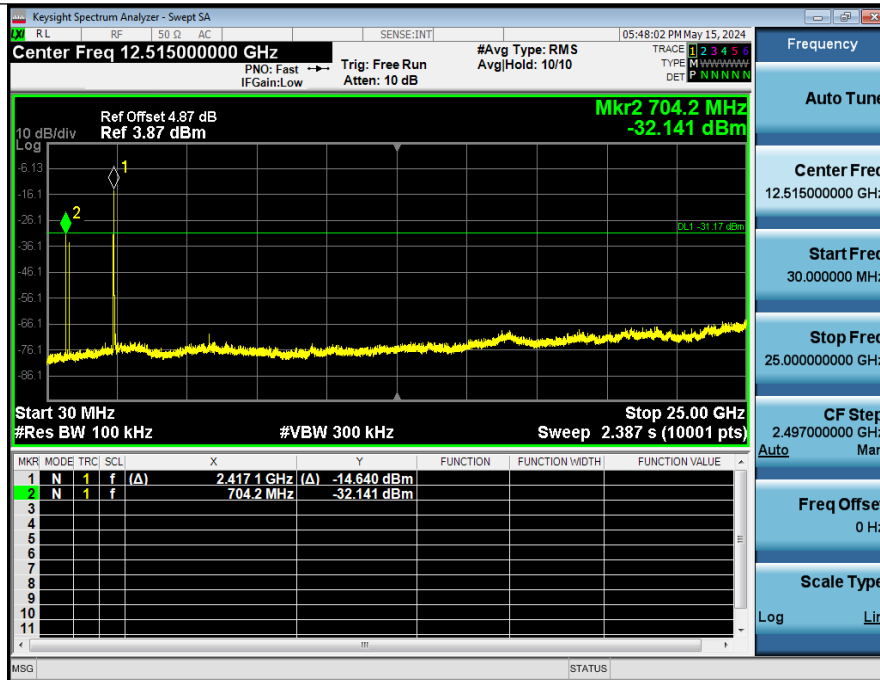
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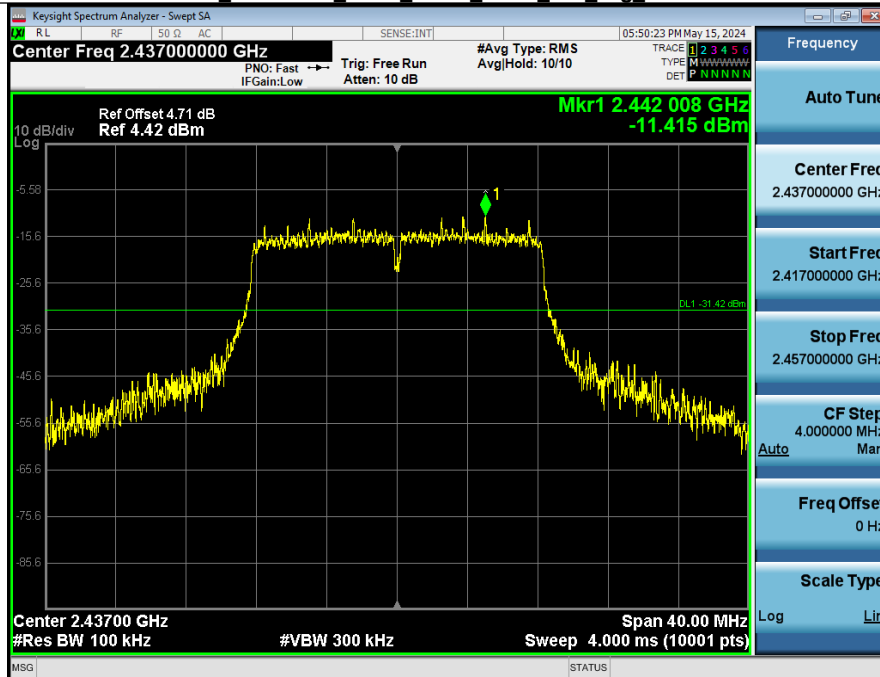
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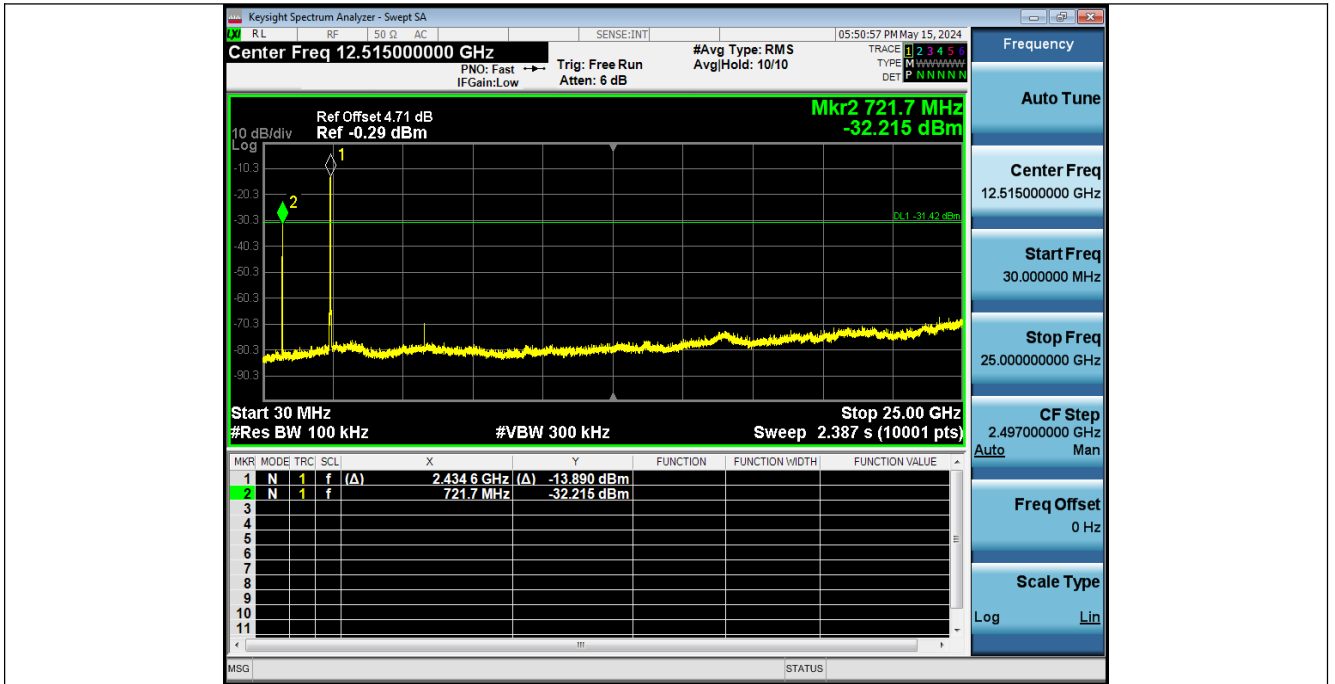
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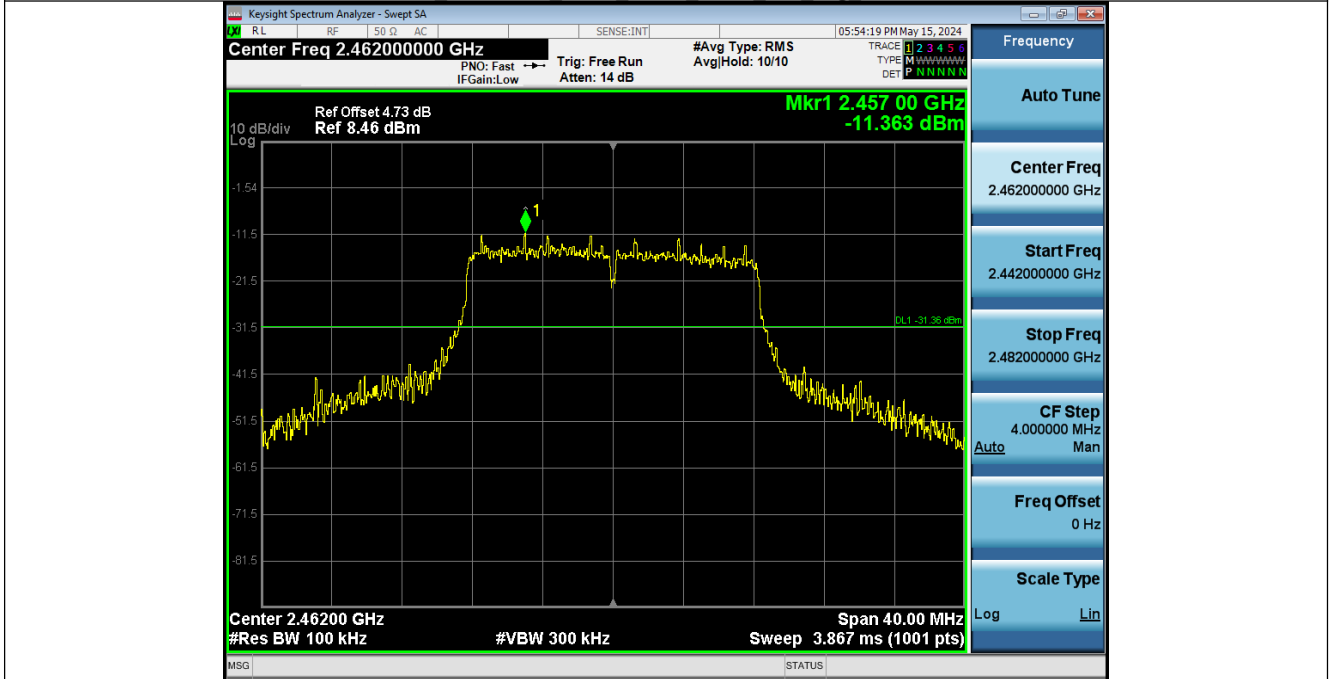
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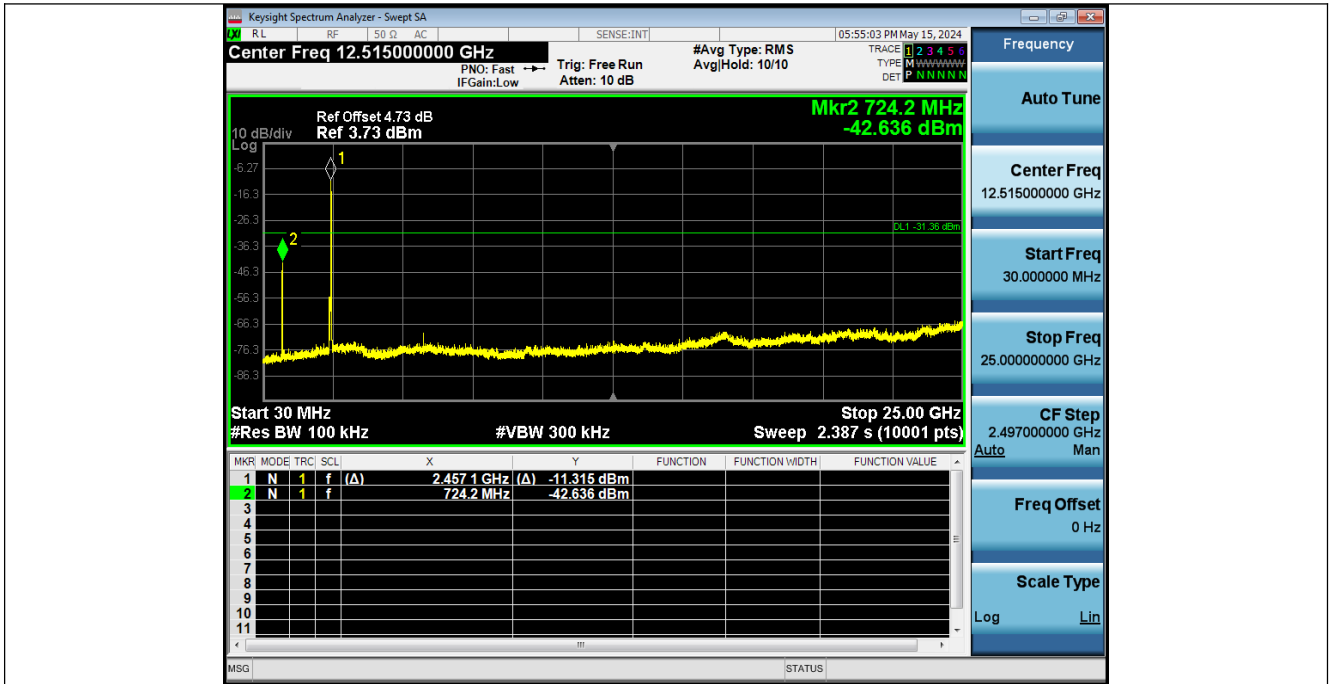
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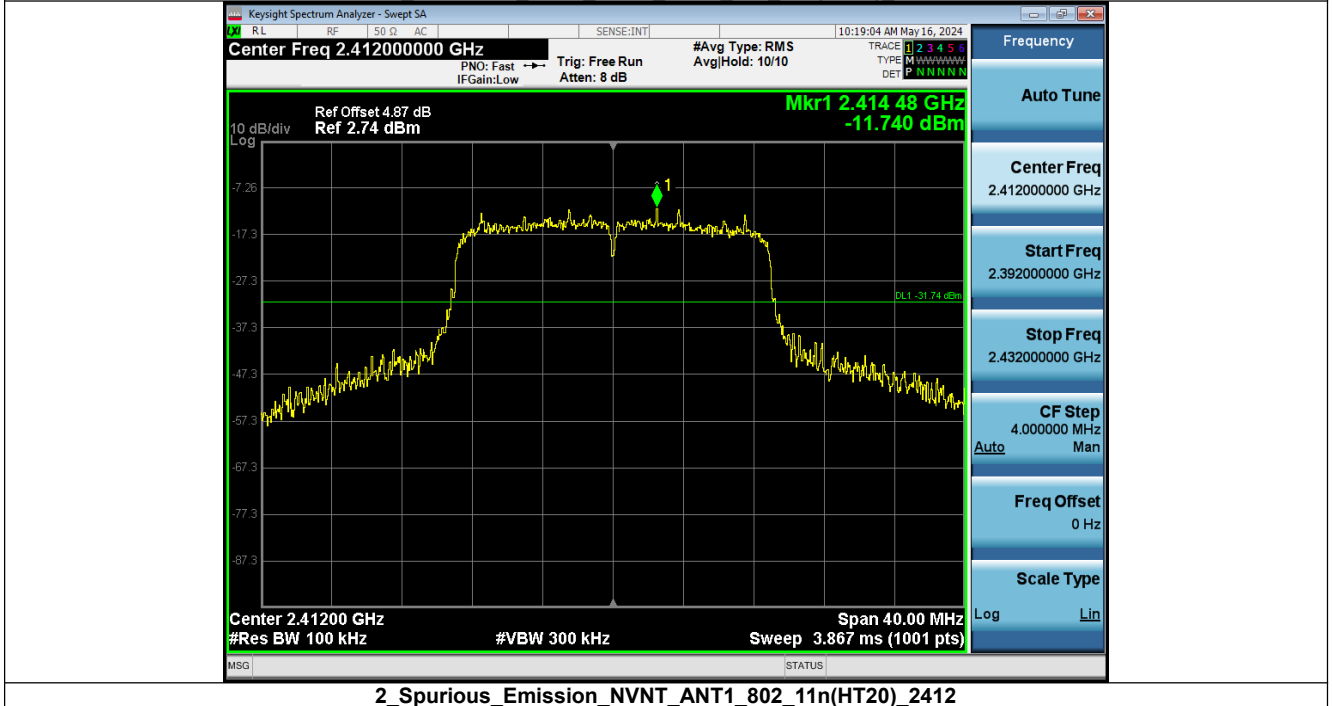
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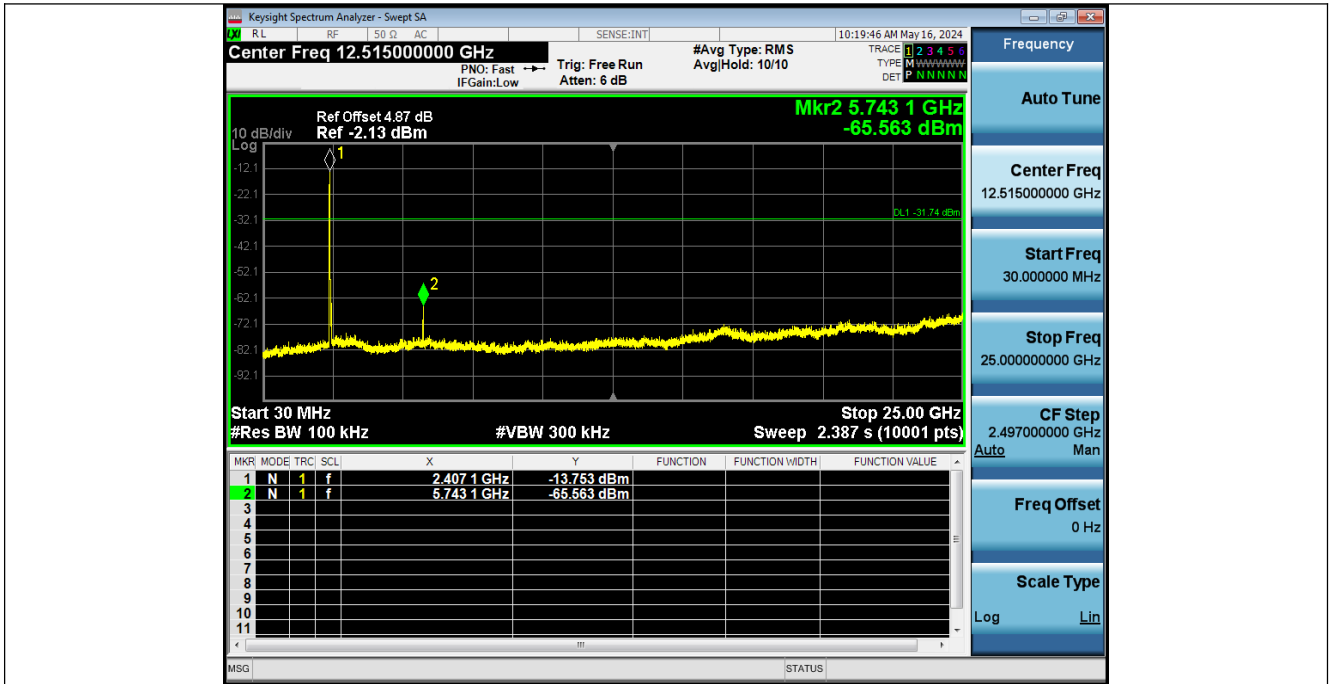
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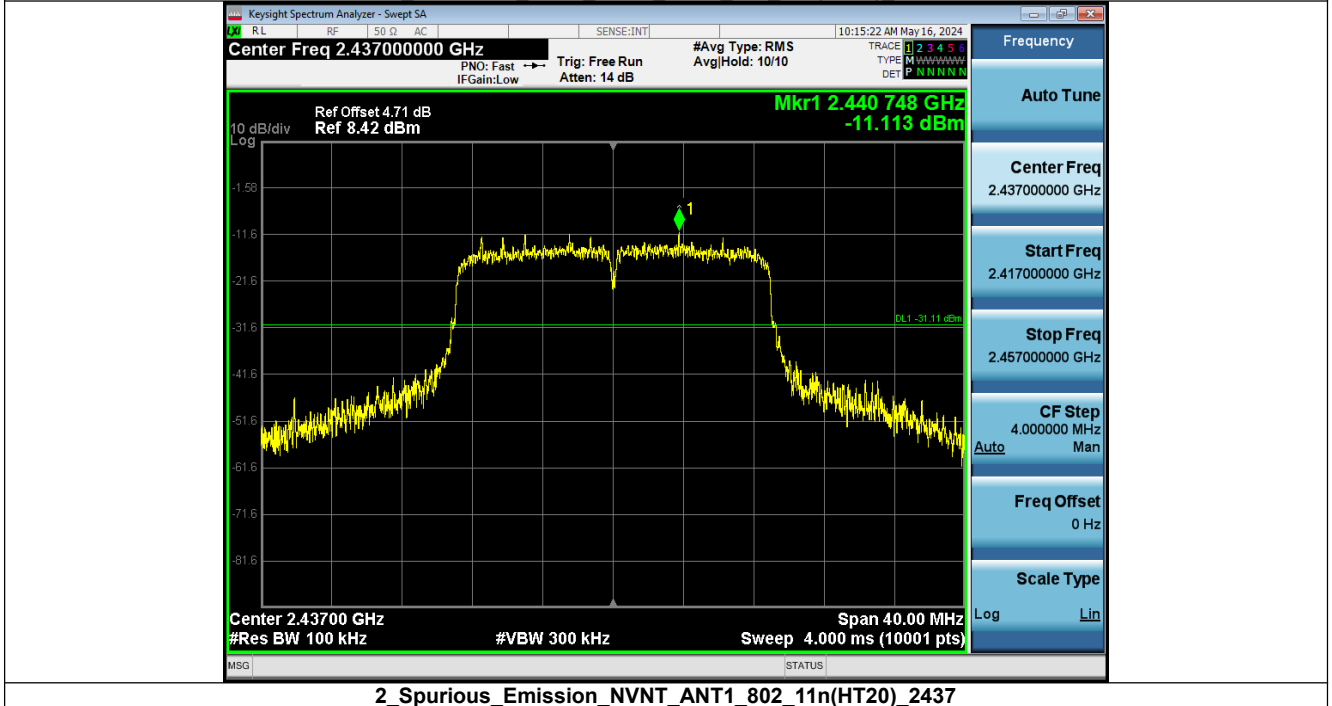
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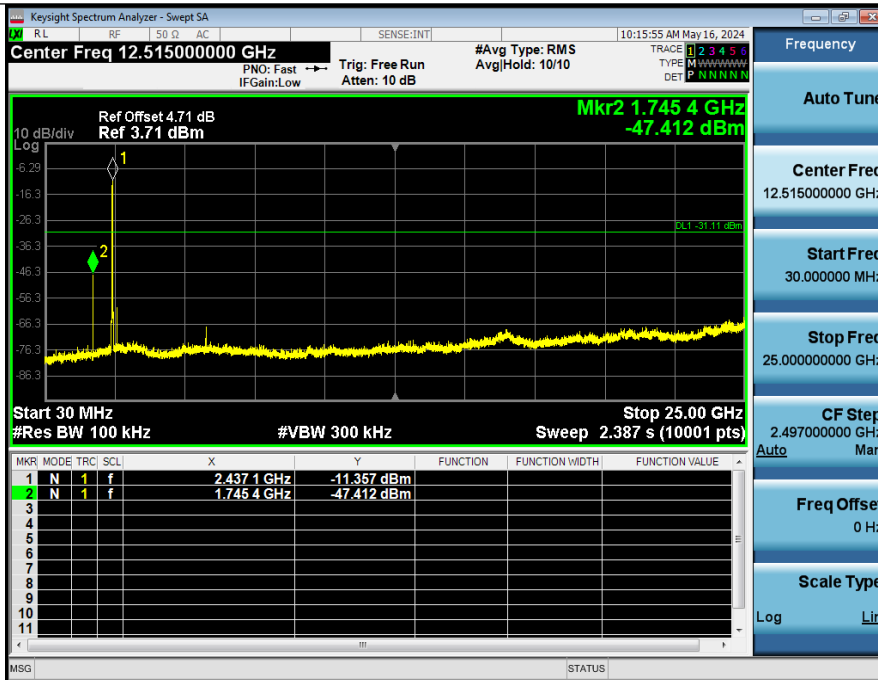
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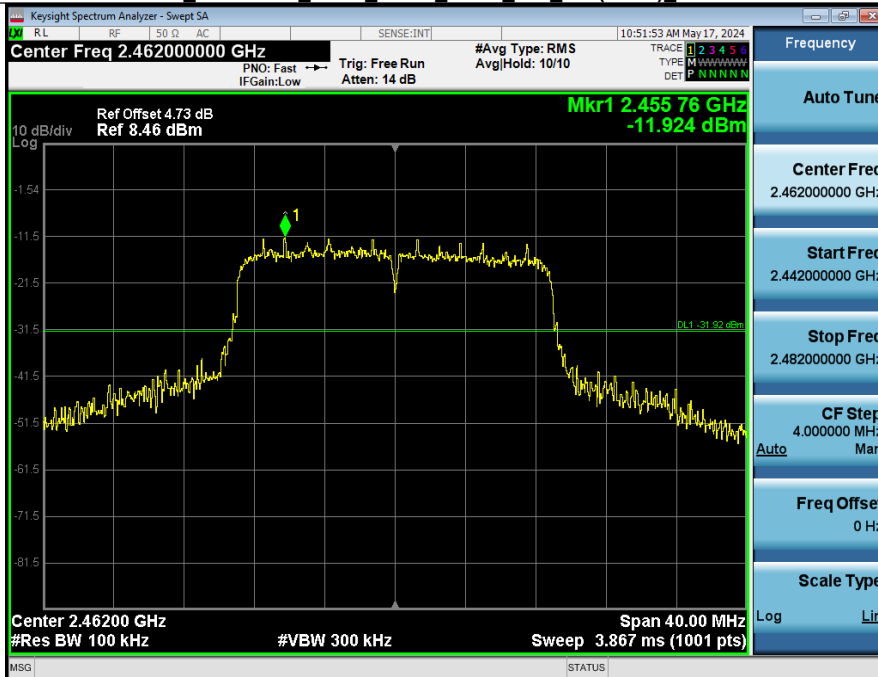
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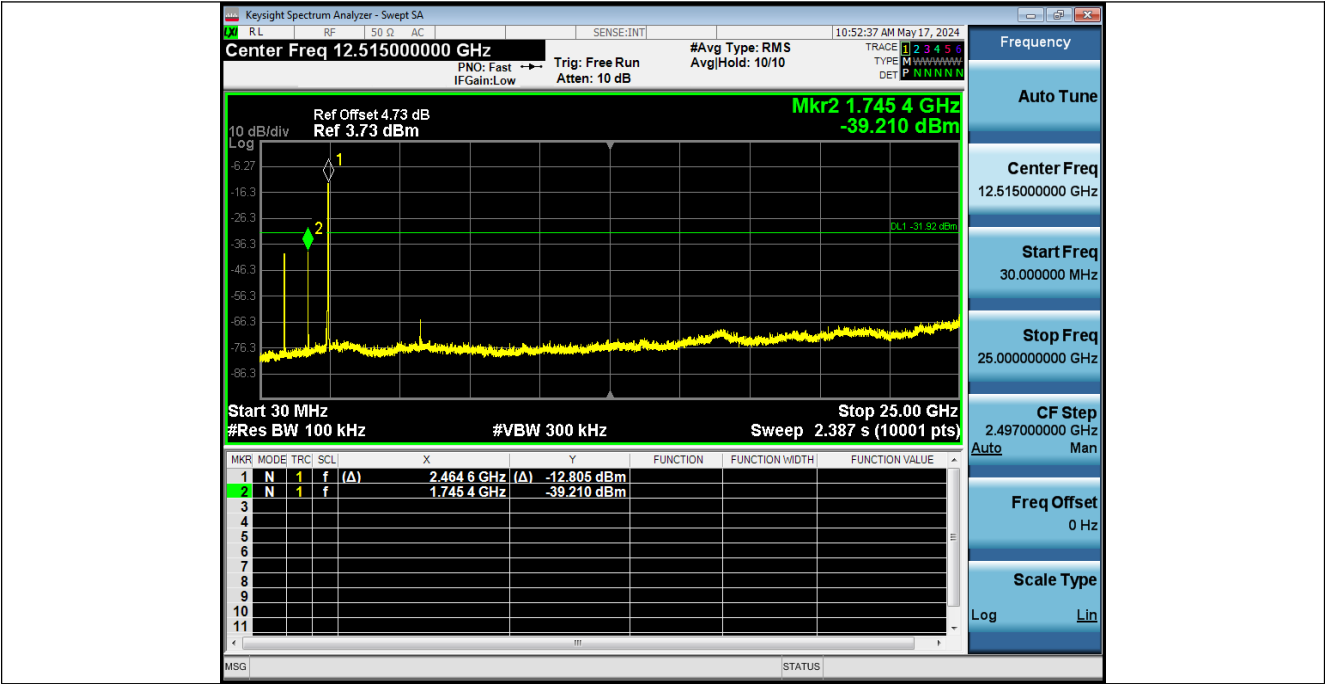
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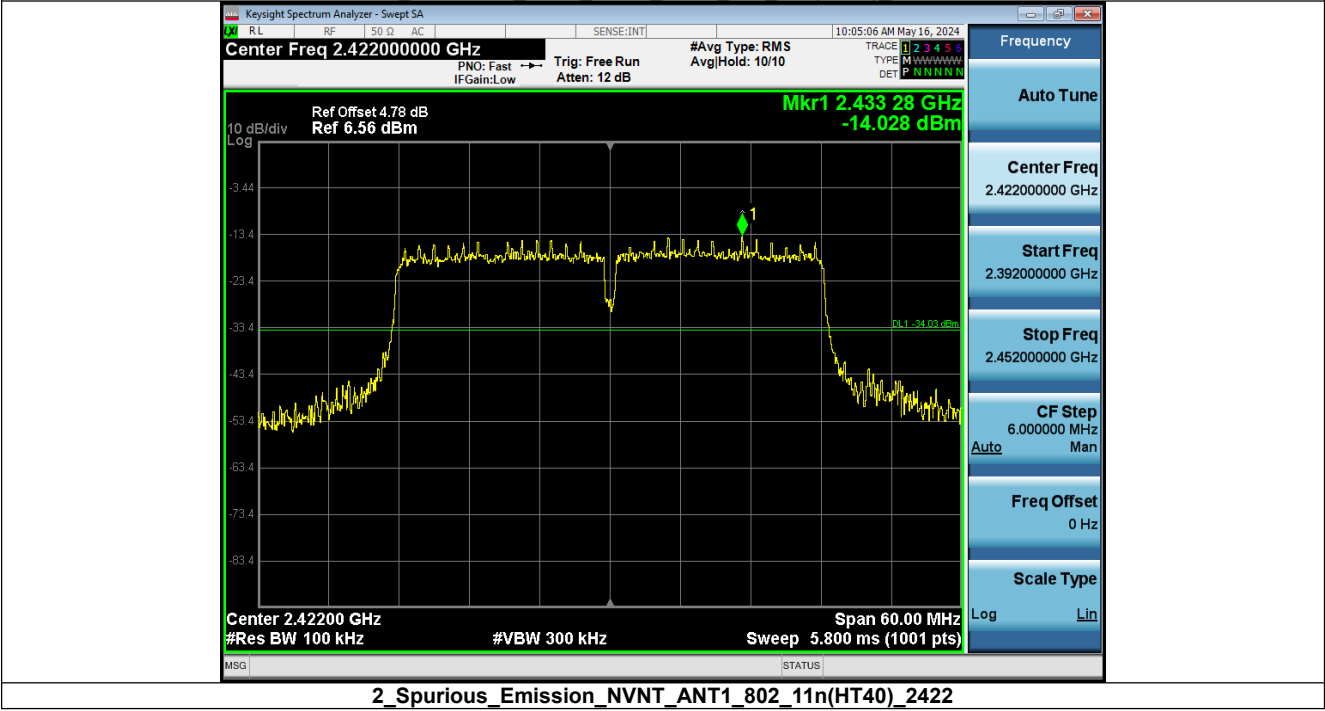
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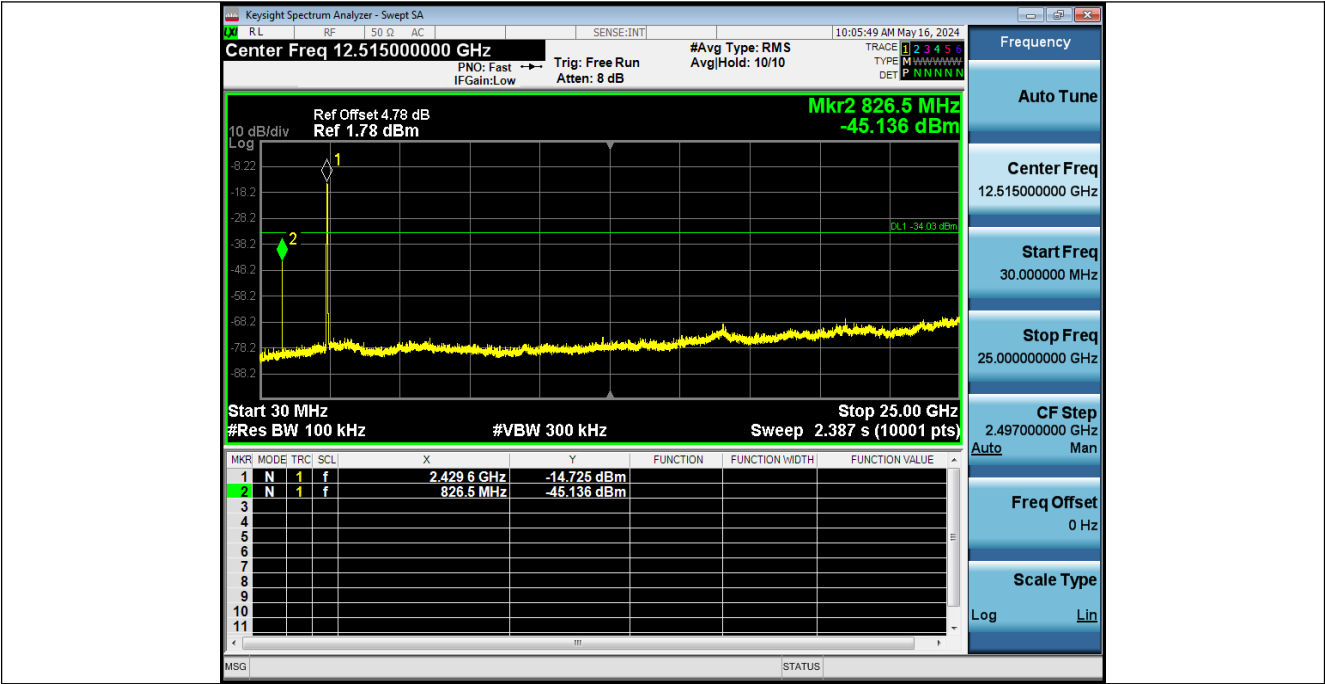
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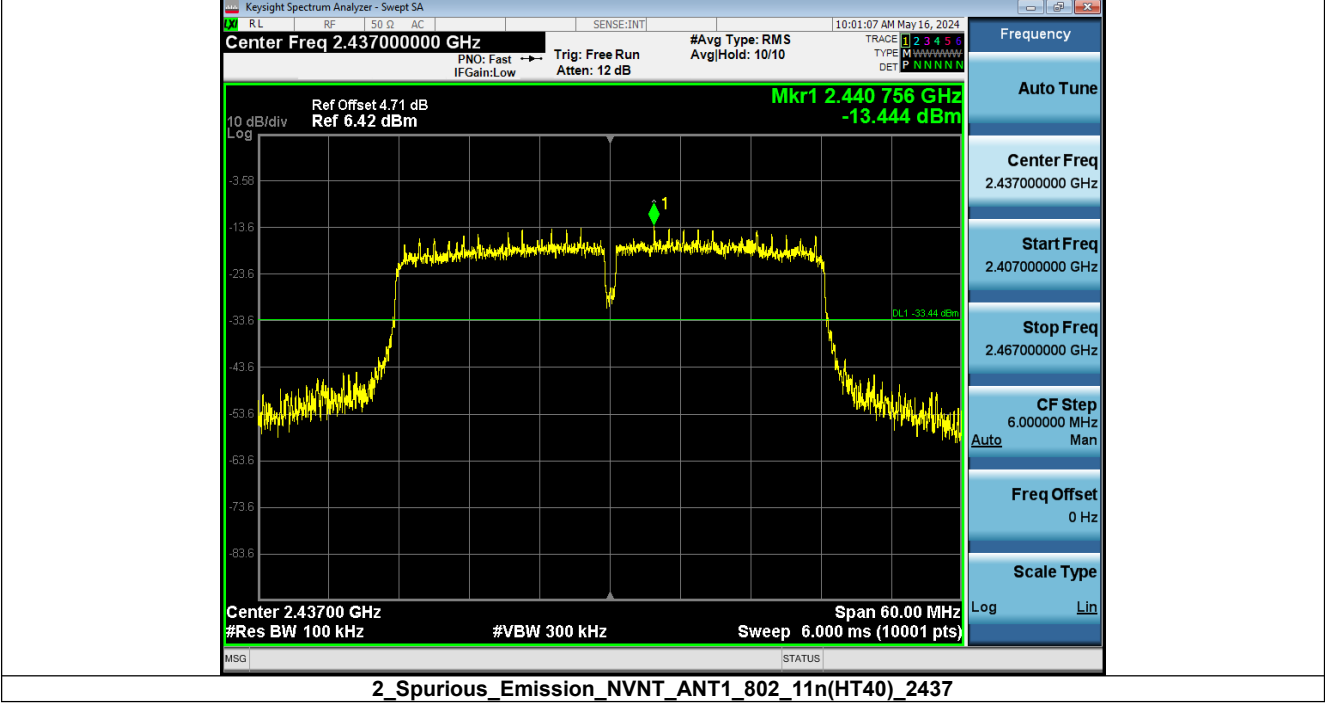
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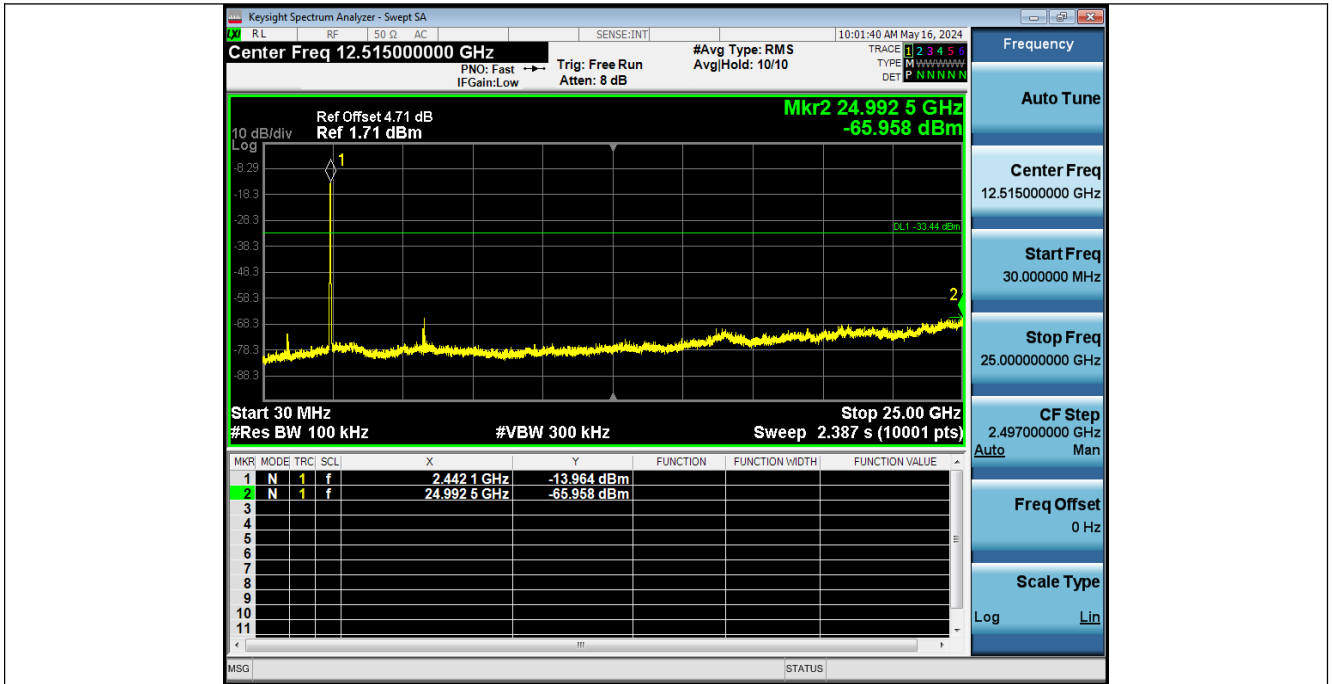
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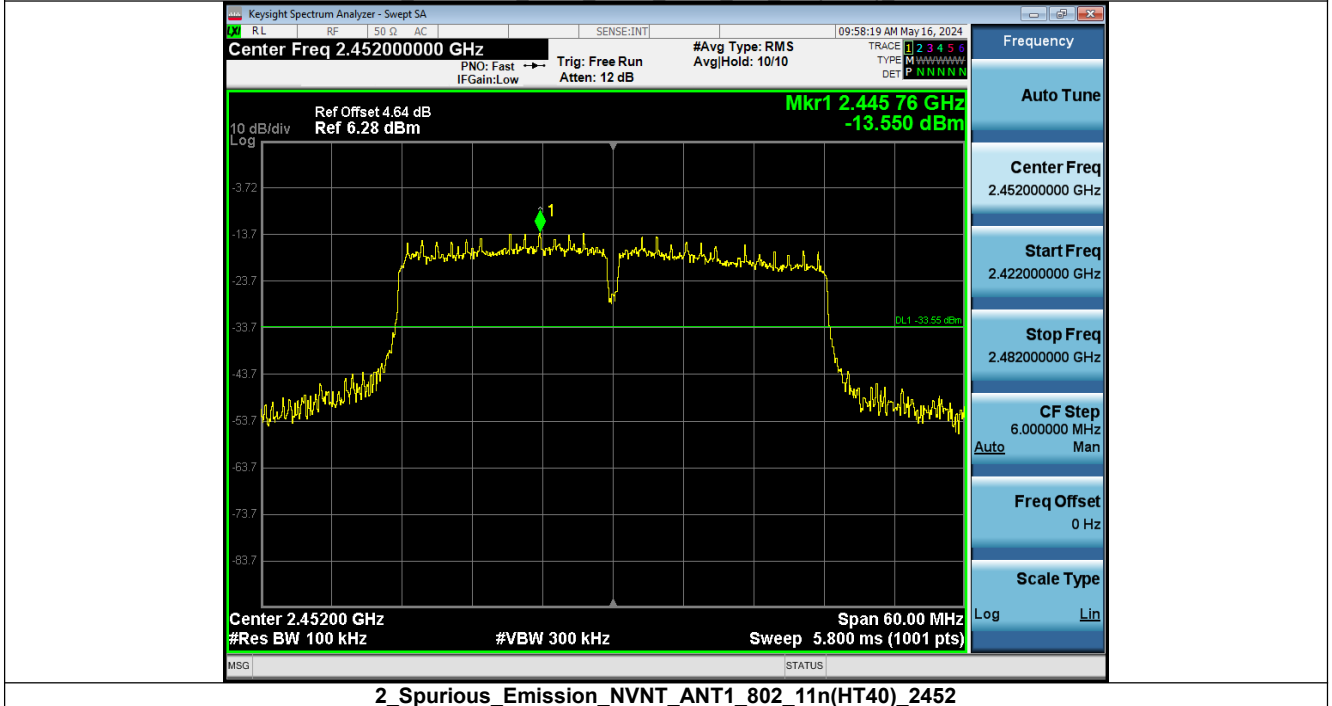
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

