

Table of Contents

1. -6dB Bandwidth2

2. 99% Occupied Bandwidth9

3. Duty Cycle16

5. Power Spectral Density23

6. Bandedge30

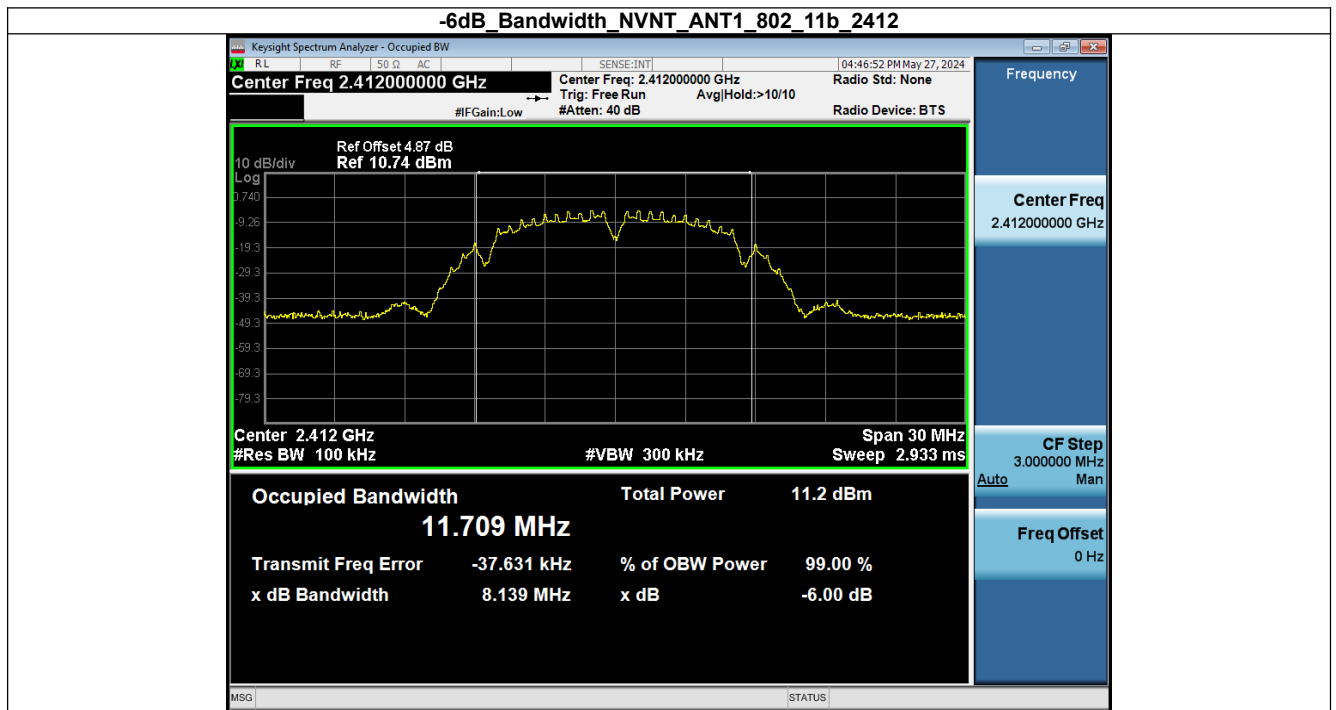
7. Spurious Emission38

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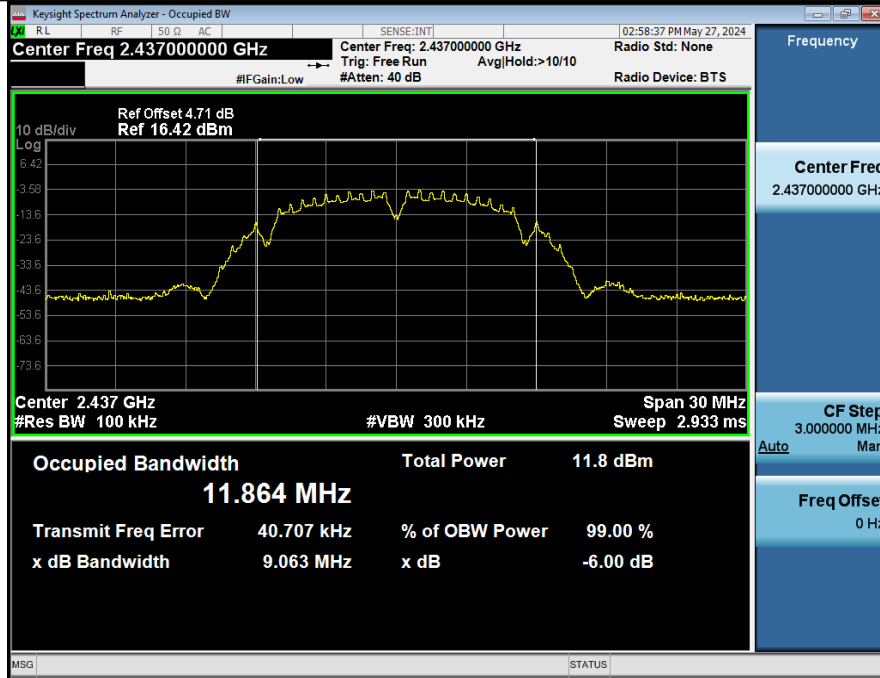
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

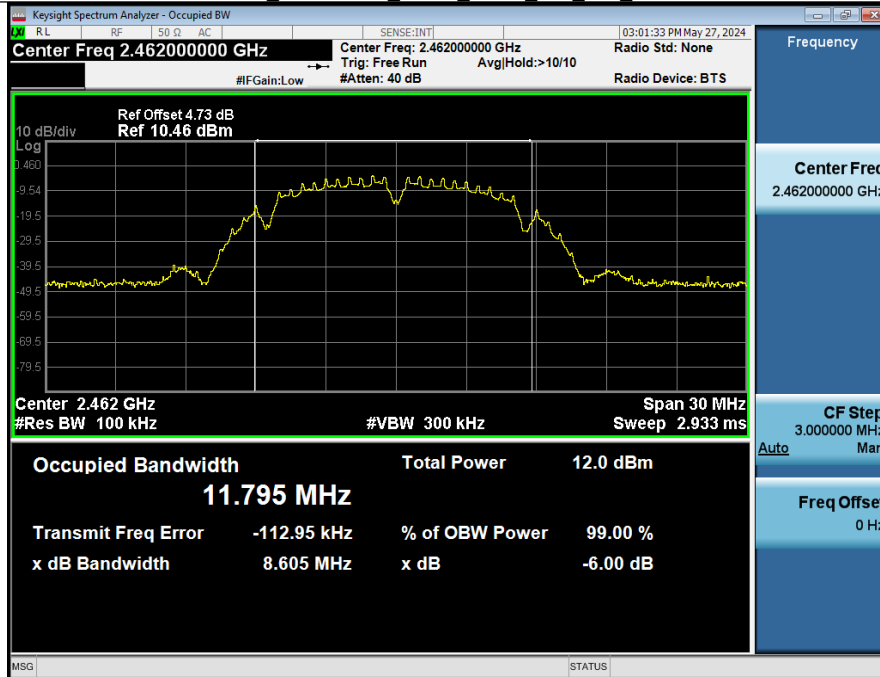
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.14	500	Pass
NVNT	ANT1	802.11b	2437.00	9.06	500	Pass
NVNT	ANT1	802.11b	2462.00	8.60	500	Pass
NVNT	ANT1	802.11g	2412.00	16.10	500	Pass
NVNT	ANT1	802.11g	2437.00	16.14	500	Pass
NVNT	ANT1	802.11g	2462.00	16.08	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.85	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.06	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.01	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.84	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.67	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.59	500	Pass



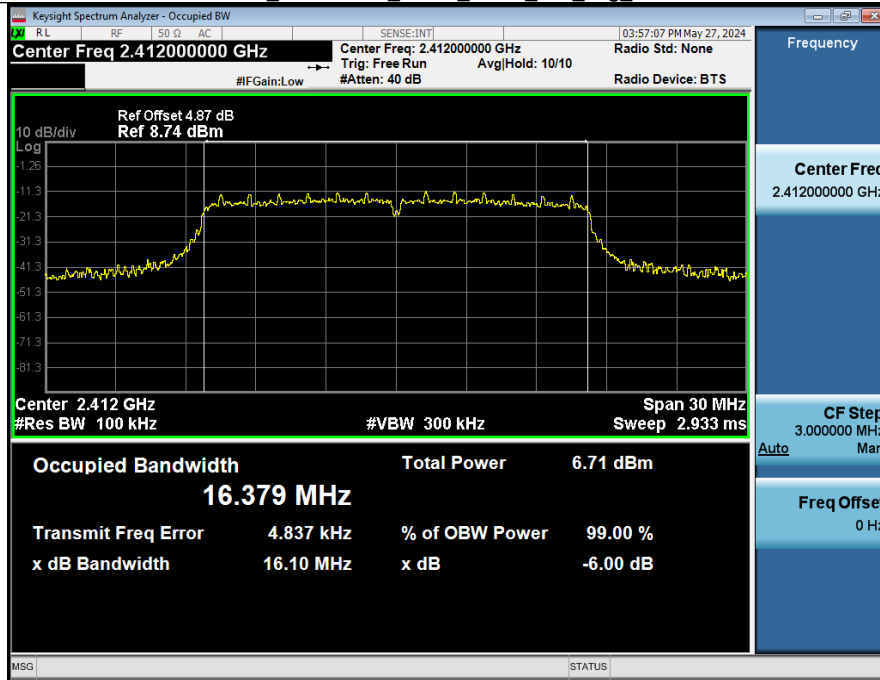
-6dB Bandwidth NVNT_ANT1_802_11b_2437



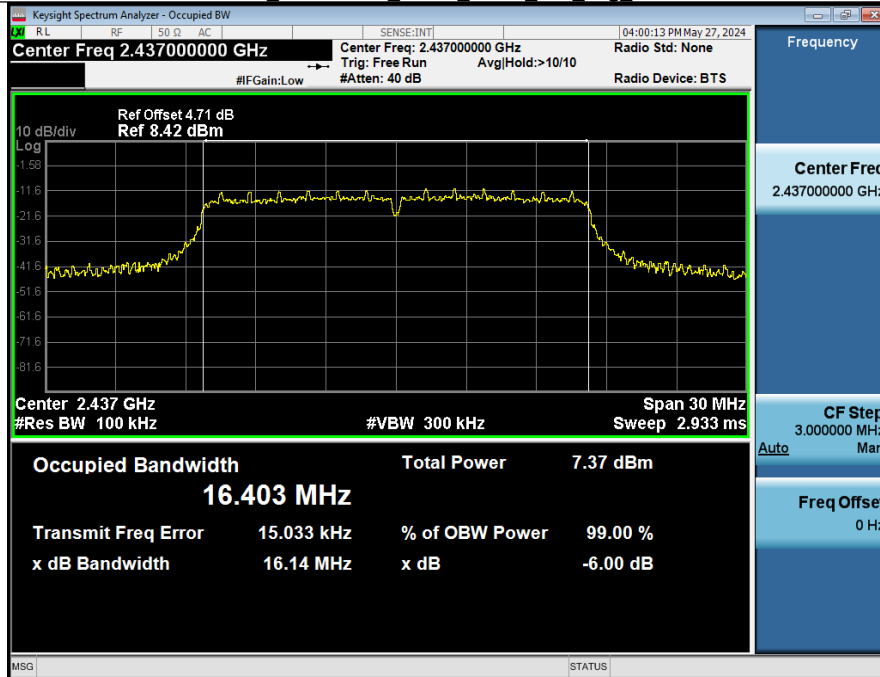
-6dB Bandwidth NVNT_ANT1_802_11b_2462



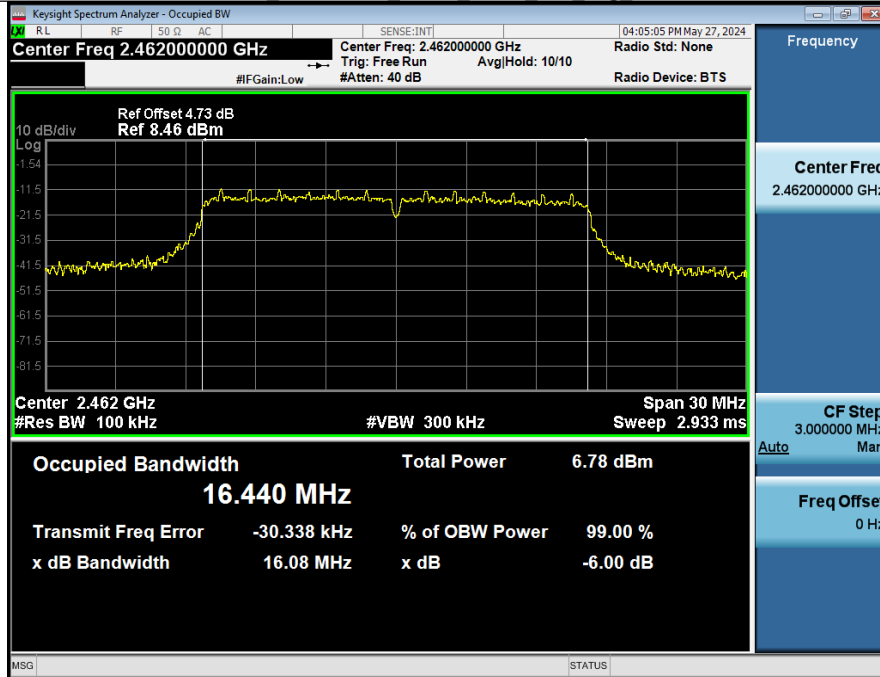
-6dB Bandwidth NVNT_ANT1_802_11g_2412



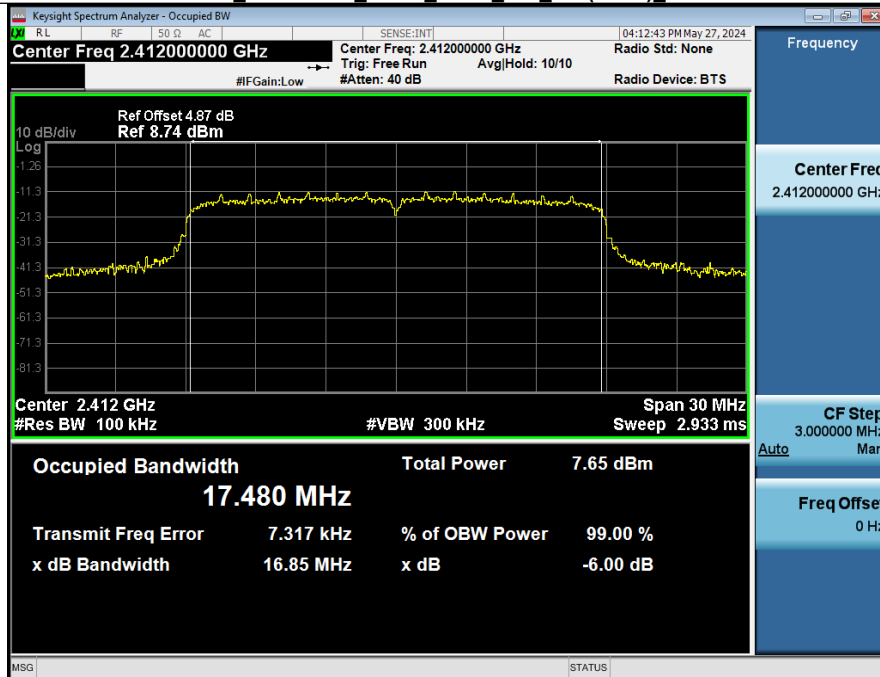
-6dB Bandwidth NVNT_ANT1_802_11g_2437



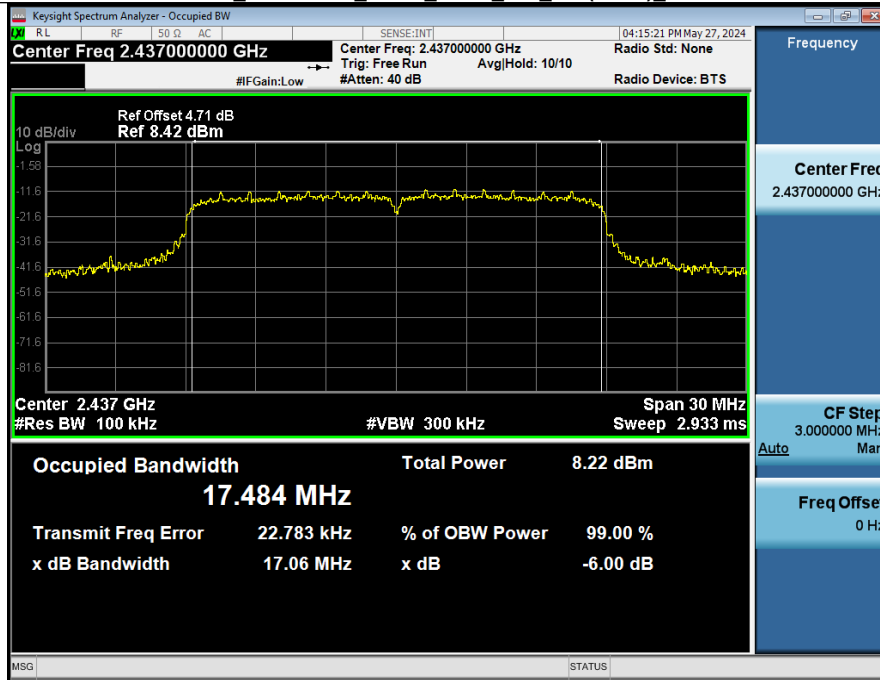
-6dB Bandwidth_NVNT ANT1_802_11g_2462



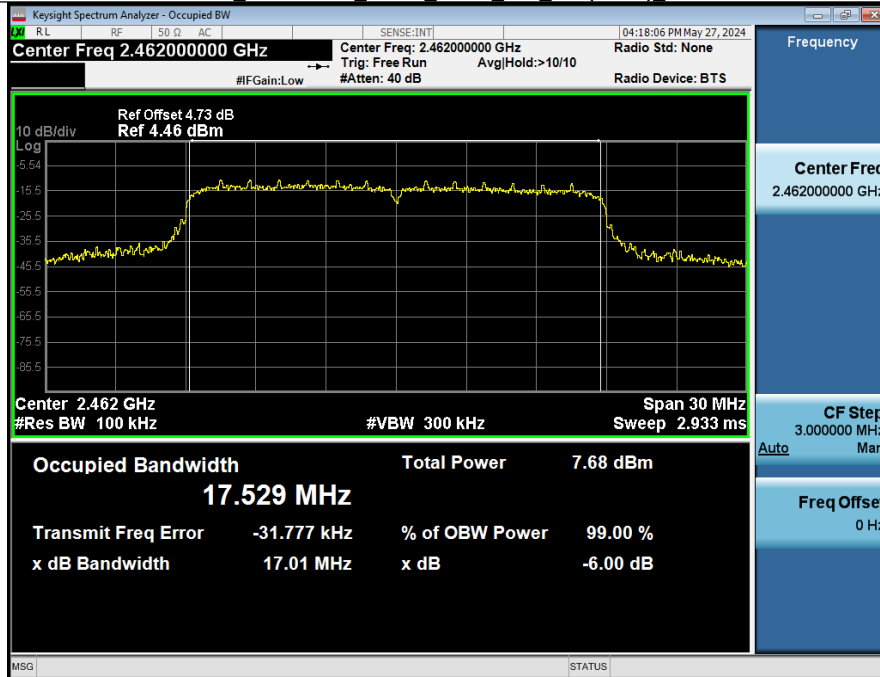
-6dB Bandwidth_NVNT ANT1_802_11n(HT20)_2412



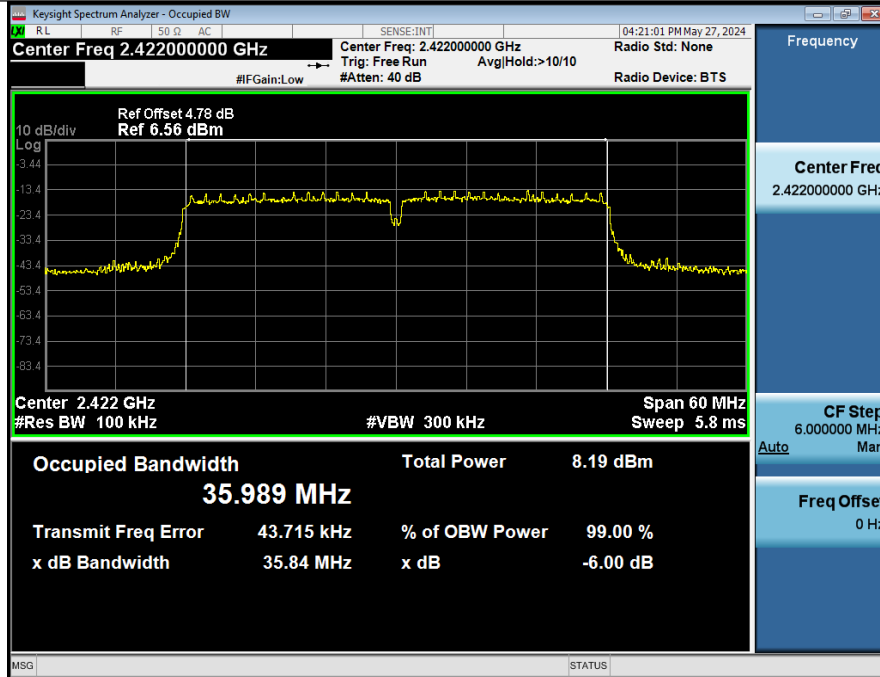
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



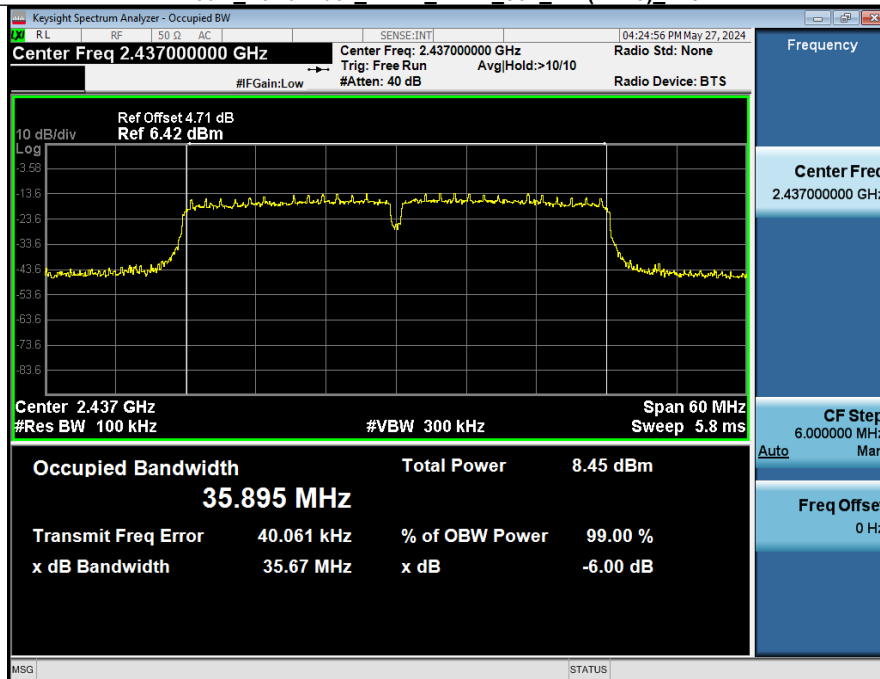
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



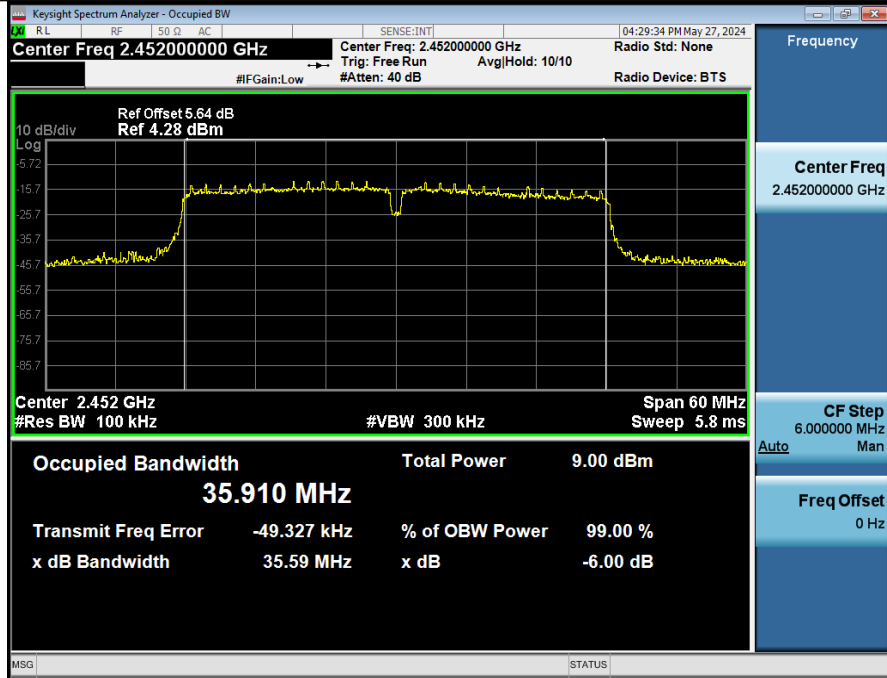
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

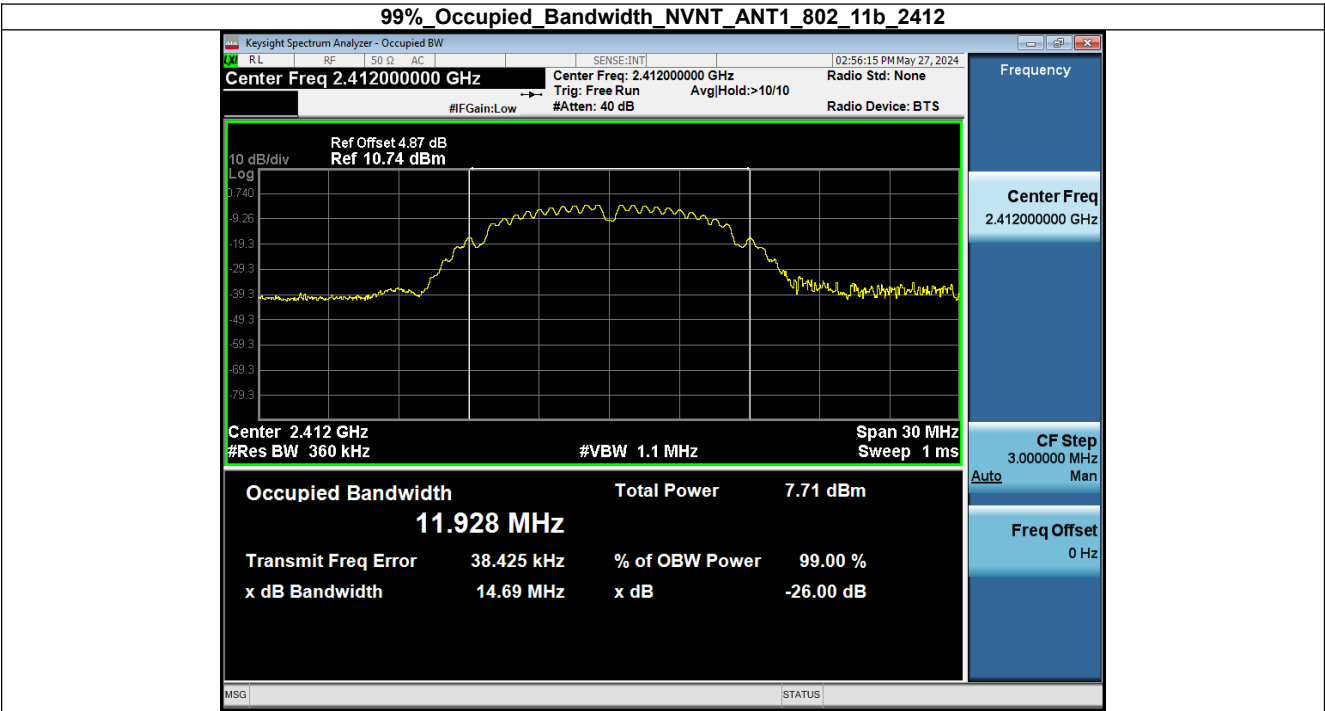


-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2452

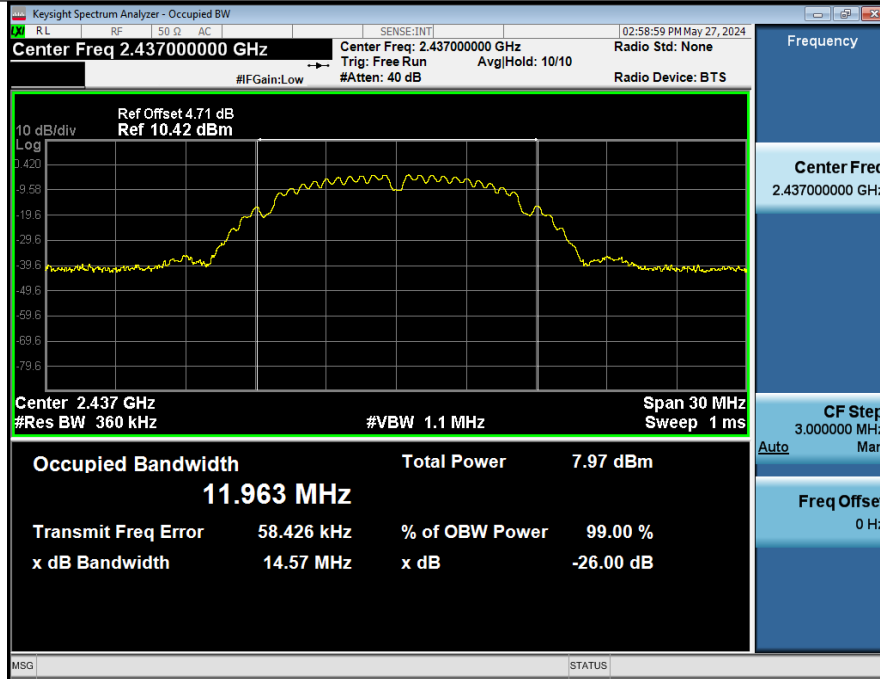


2. 99% Occupied Bandwidth

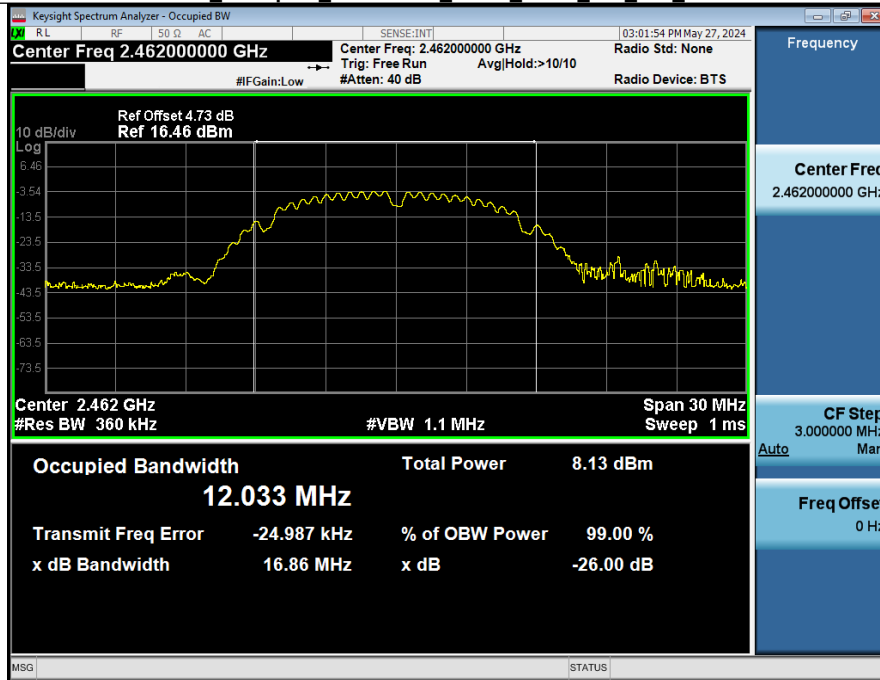
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.928
NVNT	ANT1	802.11b	2437.00	11.963
NVNT	ANT1	802.11b	2462.00	12.033
NVNT	ANT1	802.11g	2412.00	16.763
NVNT	ANT1	802.11g	2437.00	17.014
NVNT	ANT1	802.11g	2462.00	17.135
NVNT	ANT1	802.11n(HT20)	2412.00	17.665
NVNT	ANT1	802.11n(HT20)	2437.00	17.697
NVNT	ANT1	802.11n(HT20)	2462.00	17.884
NVNT	ANT1	802.11n(HT40)	2422.00	36.530
NVNT	ANT1	802.11n(HT40)	2437.00	36.283
NVNT	ANT1	802.11n(HT40)	2452.00	36.352



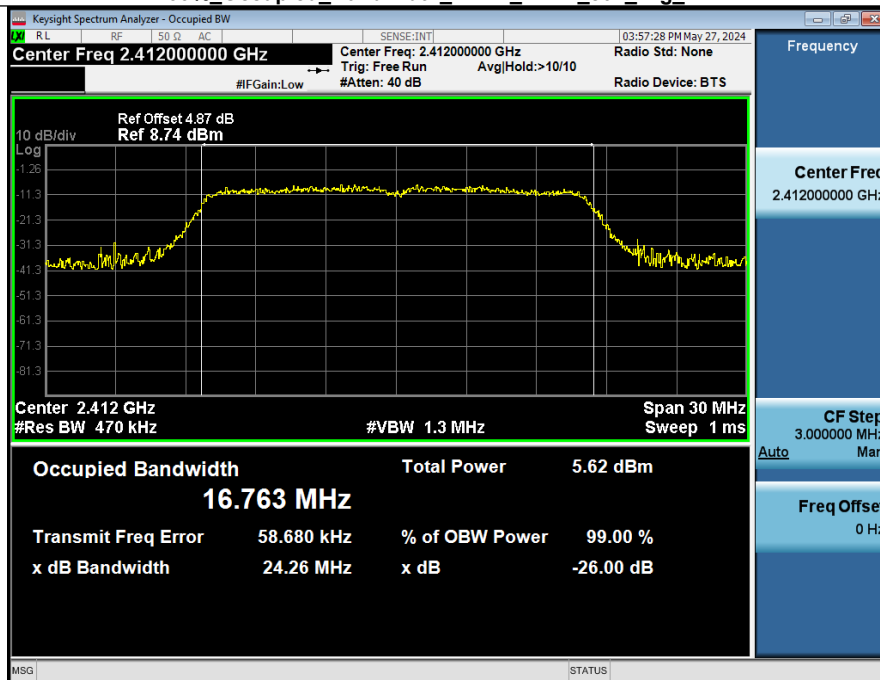
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



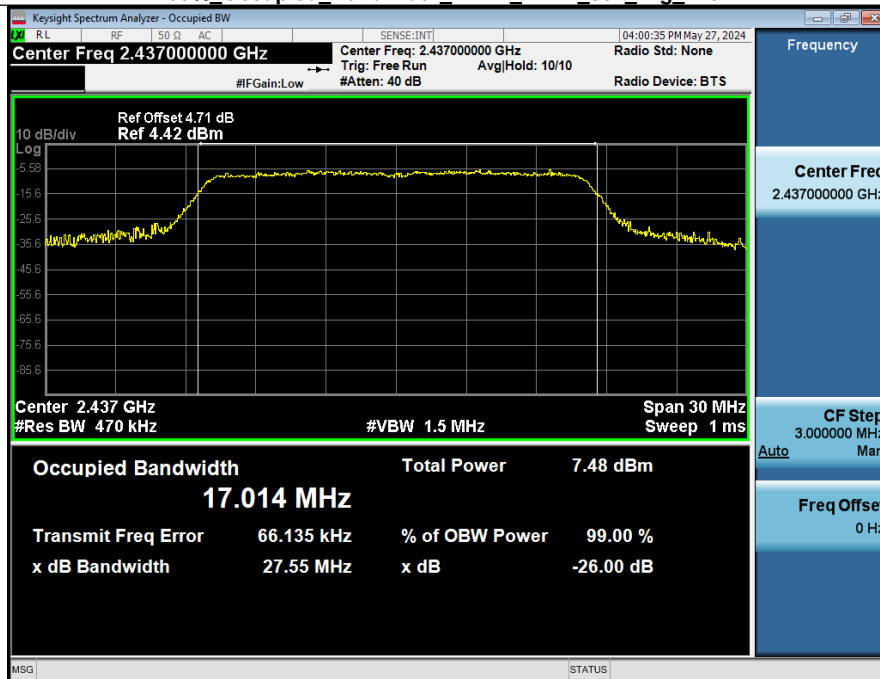
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



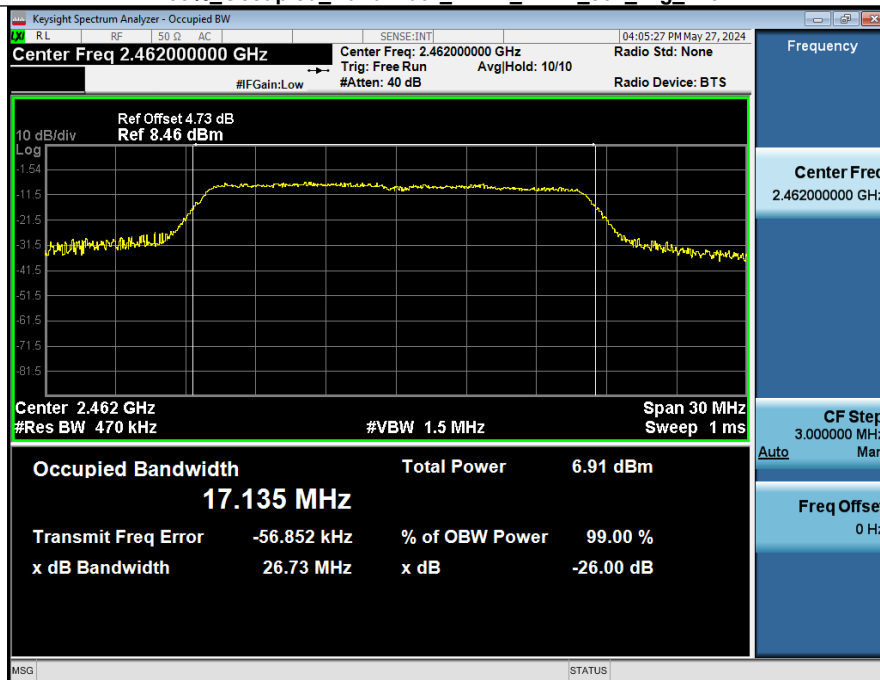
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



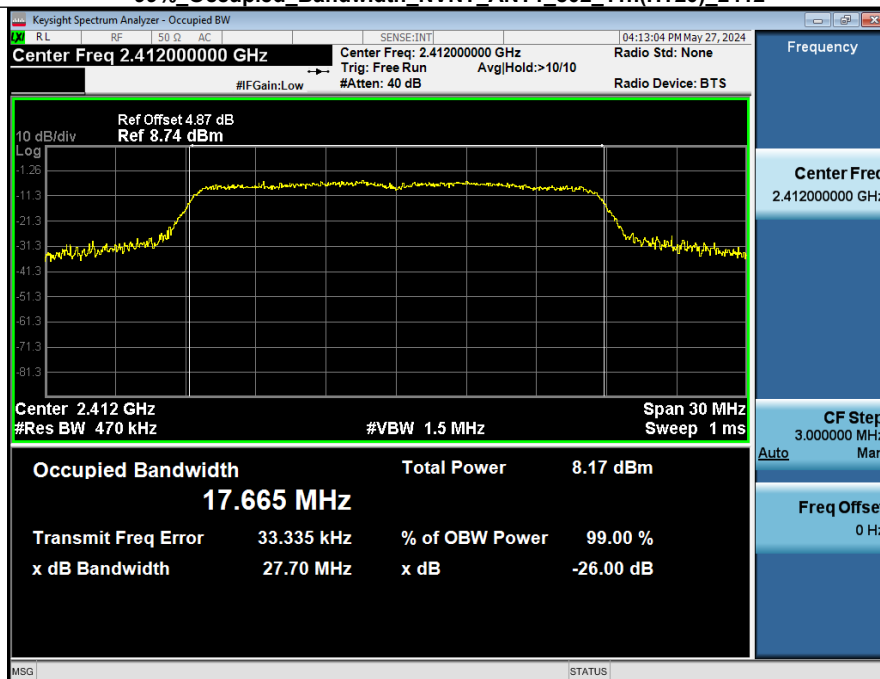
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

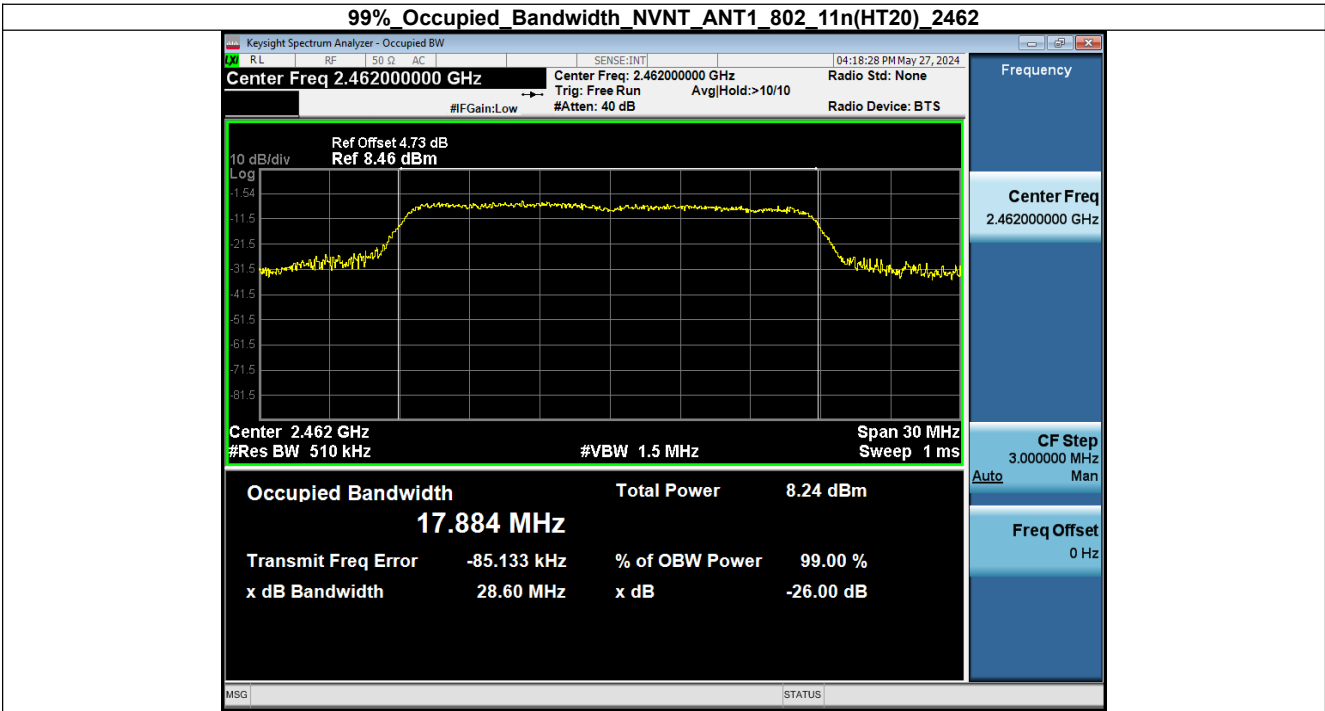
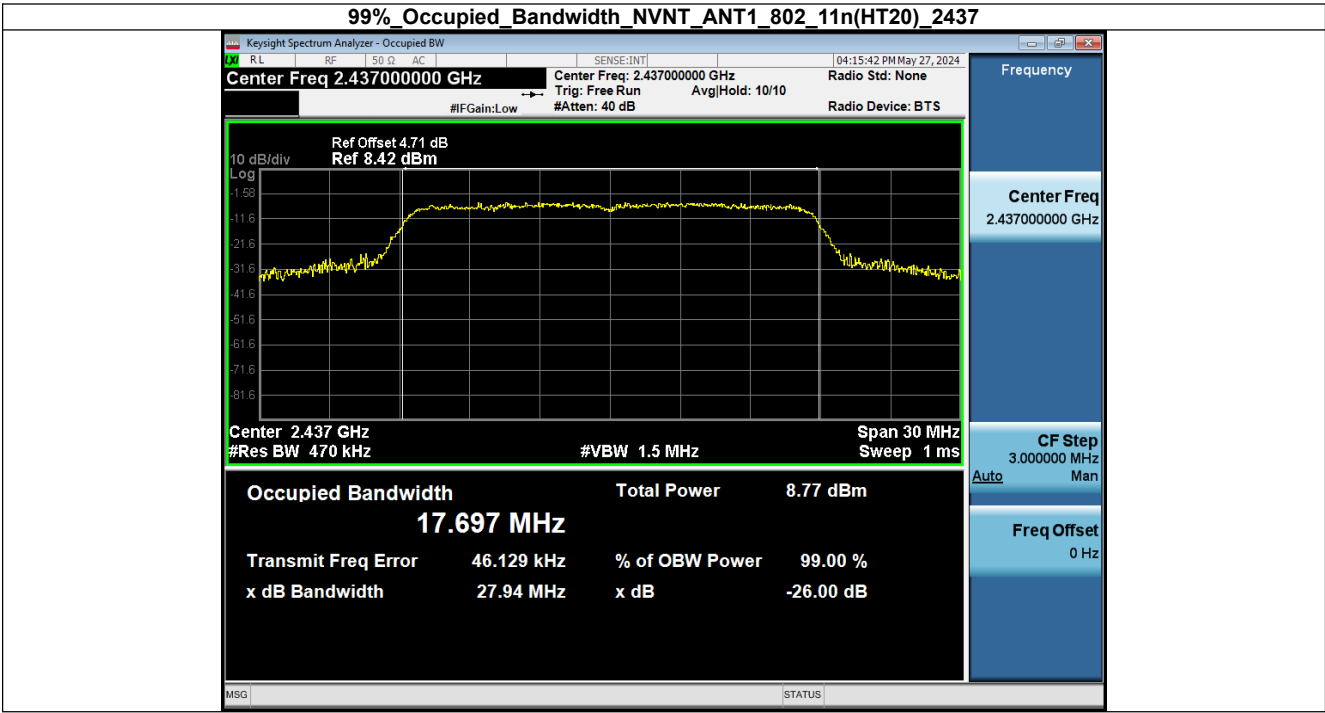


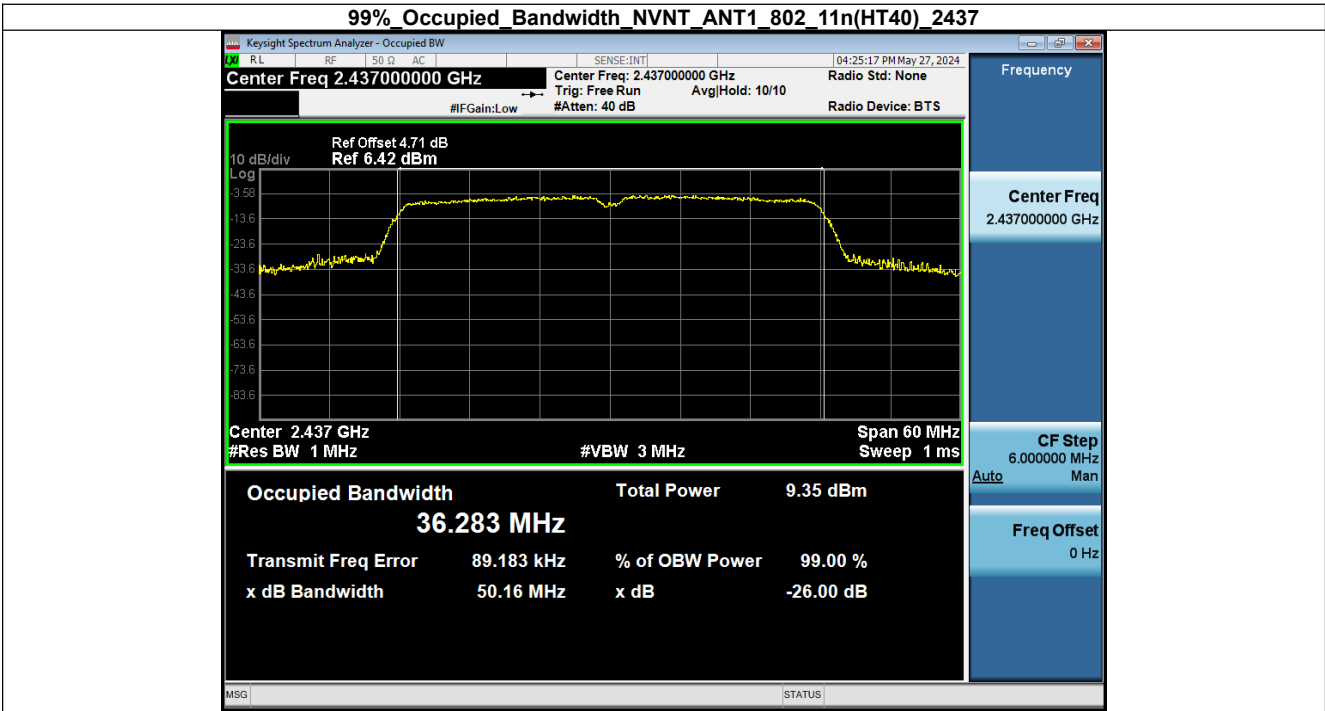
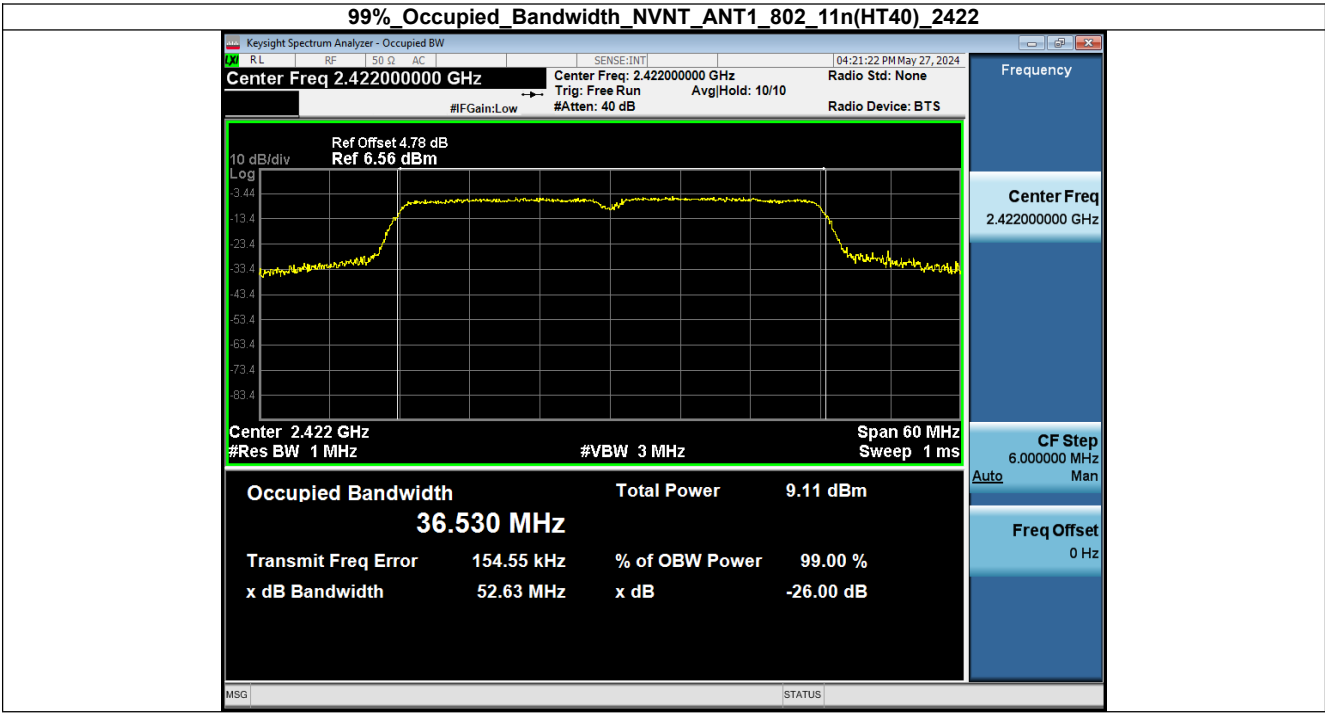
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

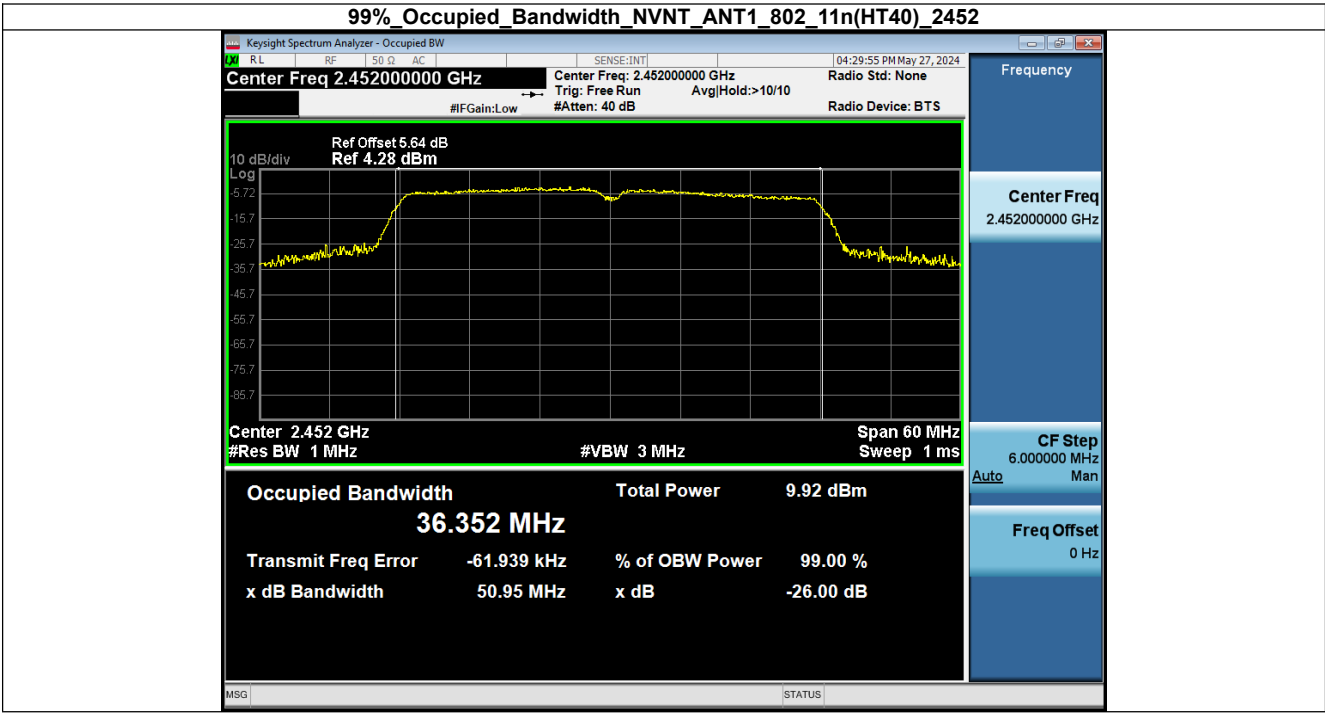


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



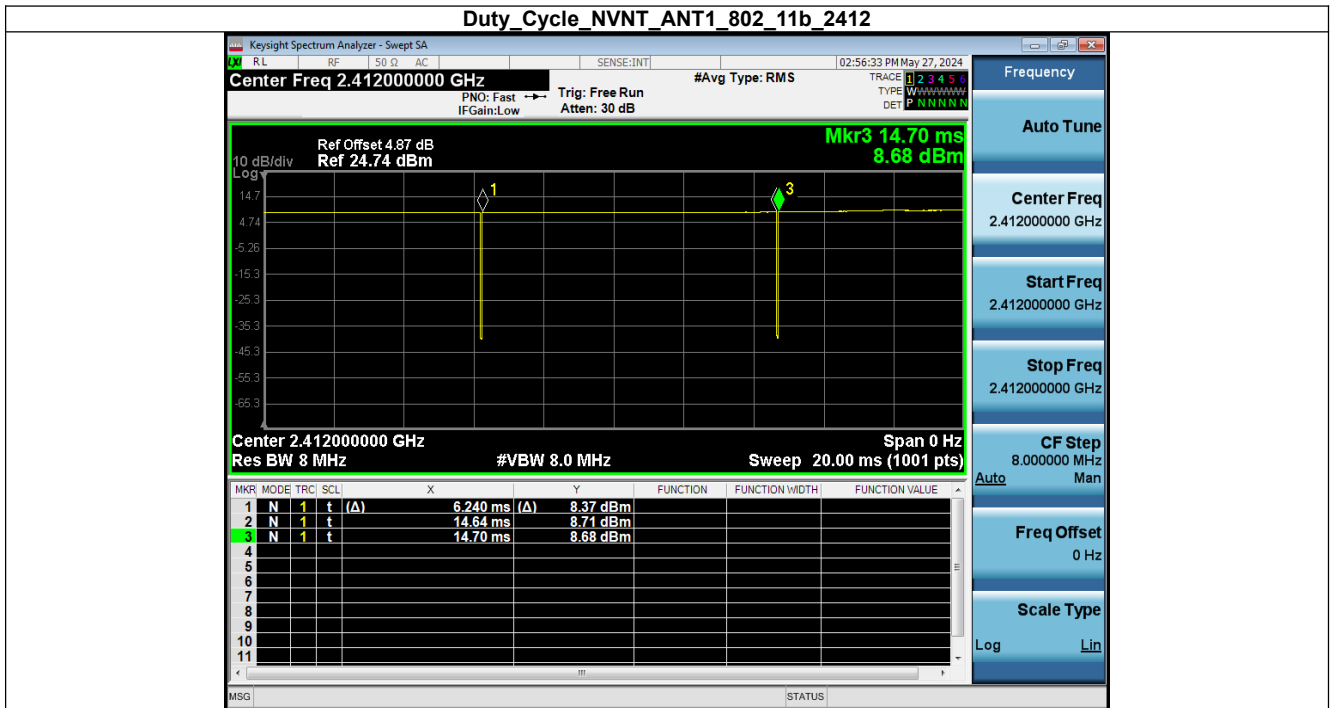




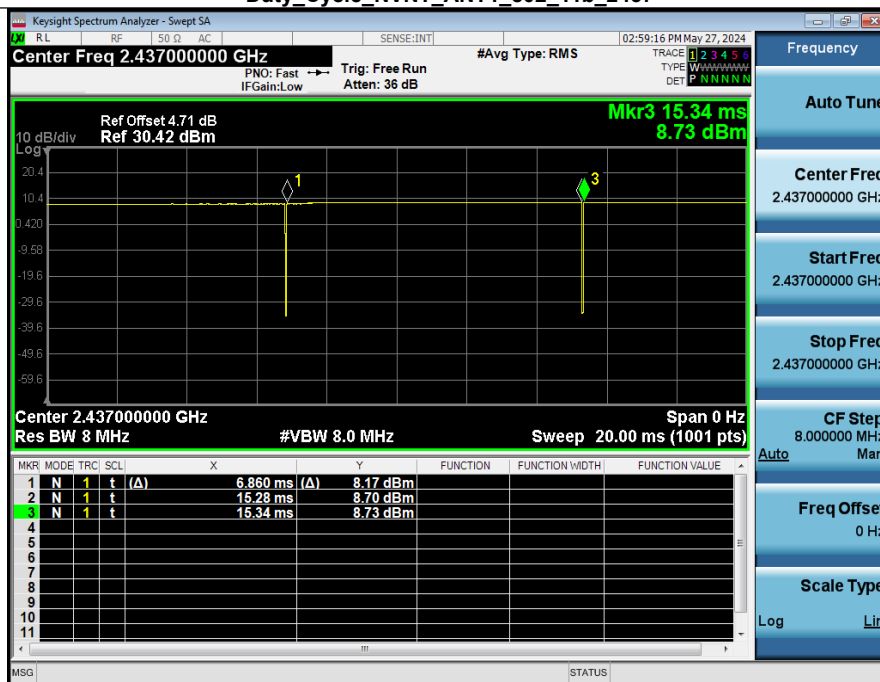


3. Duty Cycle

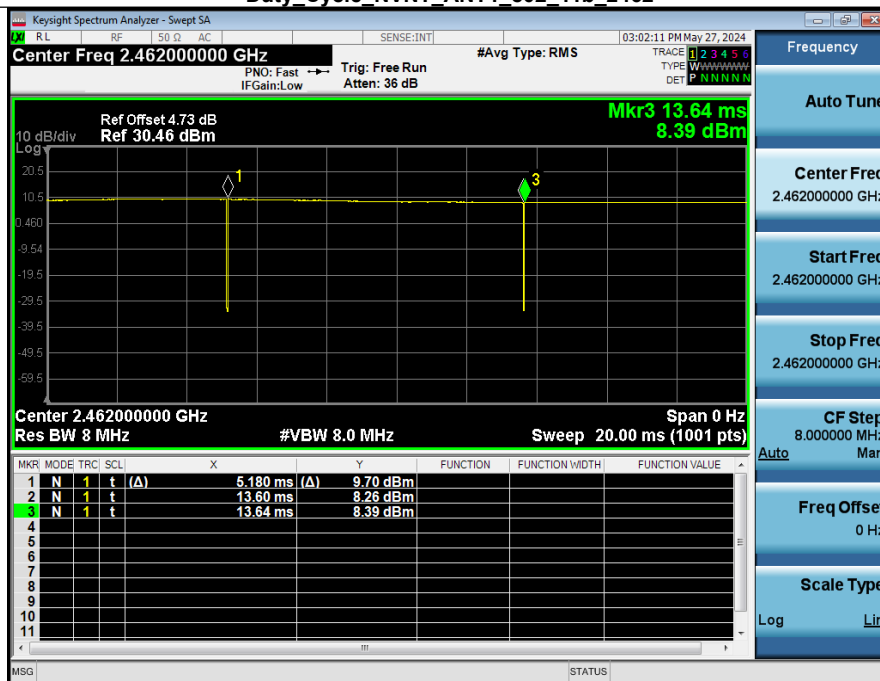
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.76	0.00
NVNT	ANT1	802.11g	2412.00	98.61	0.00
NVNT	ANT1	802.11g	2437.00	97.22	0.12
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	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	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2437.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2452.00	96.88	0.14



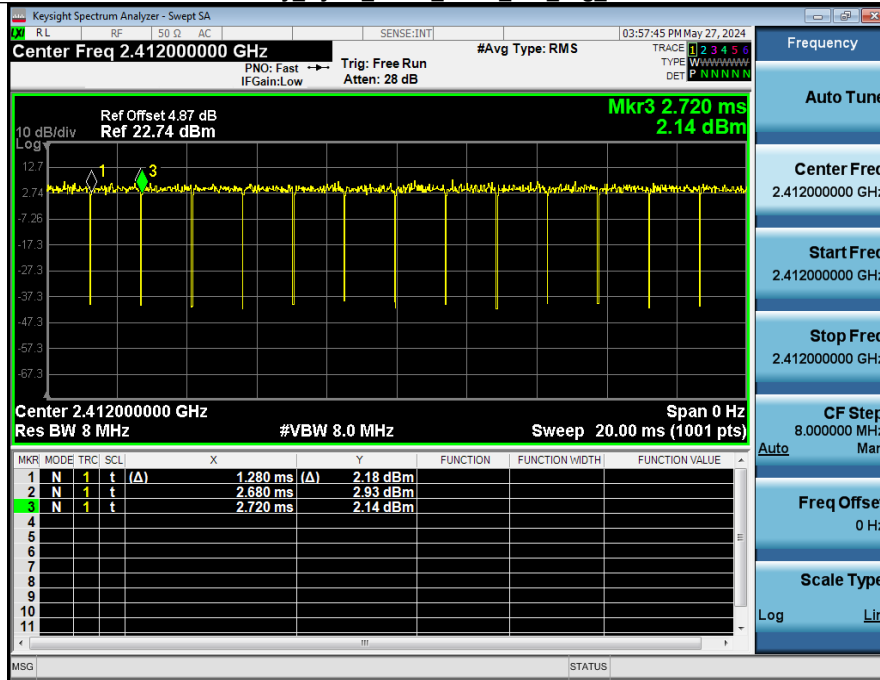
Duty Cycle NVNT_ANT1_802_11b_2437



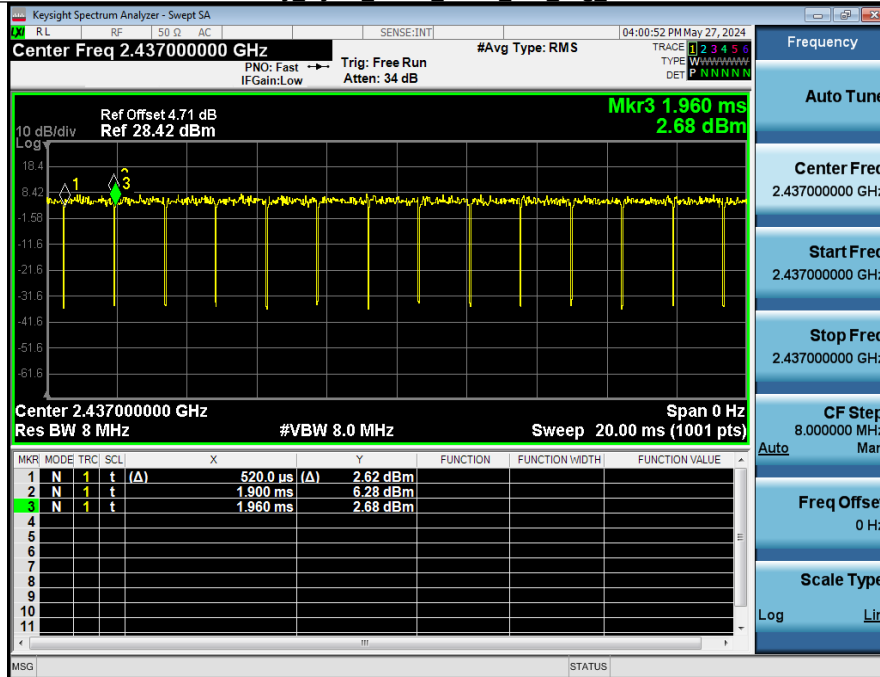
Duty Cycle NVNT_ANT1_802_11b_2462



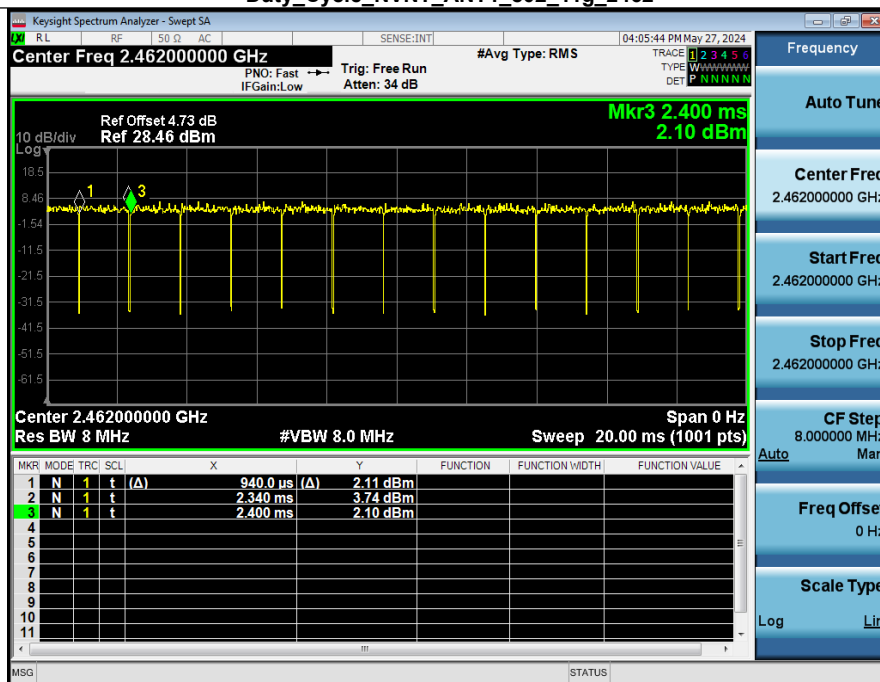
Duty Cycle NVNT ANT1_802_11g_2412



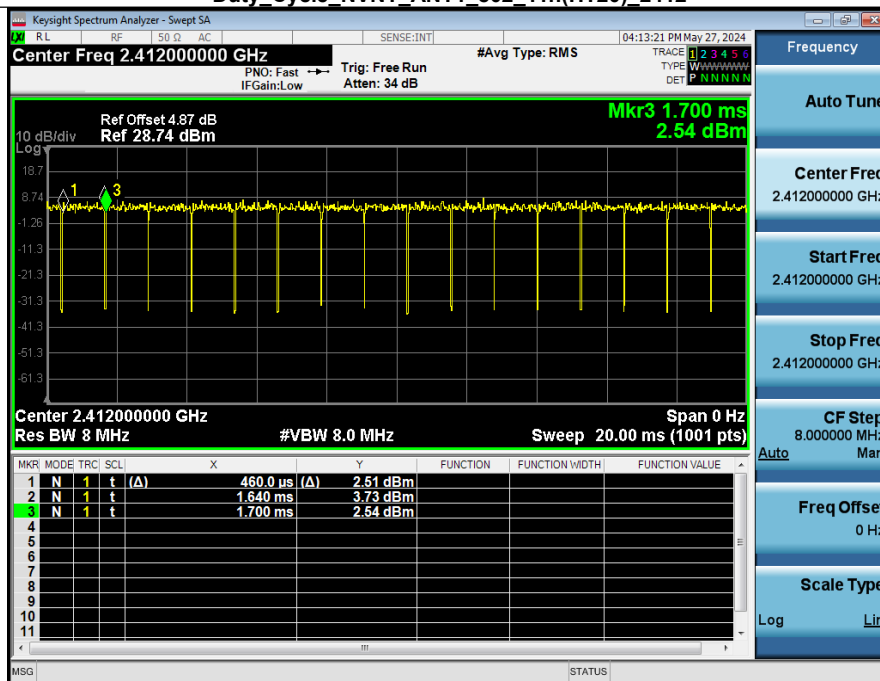
Duty Cycle NVNT ANT1_802_11g_2437



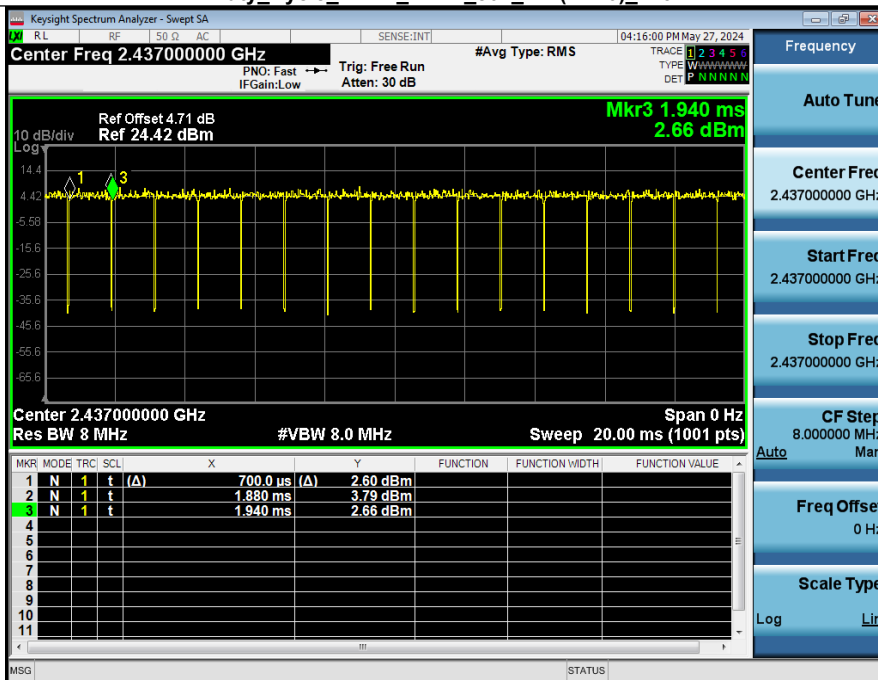
Duty Cycle NVNT_ANT1_802_11g_2462



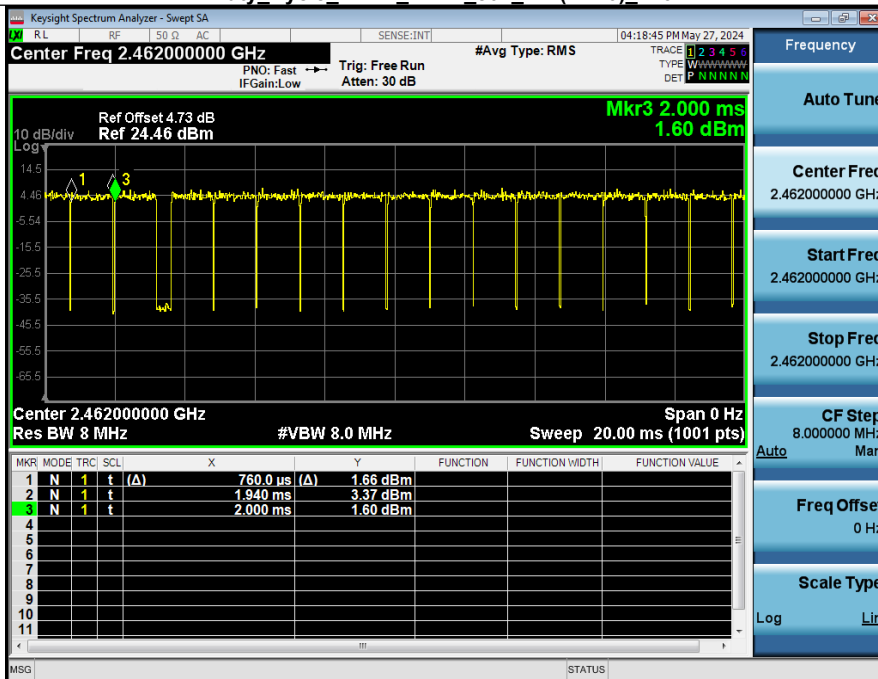
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



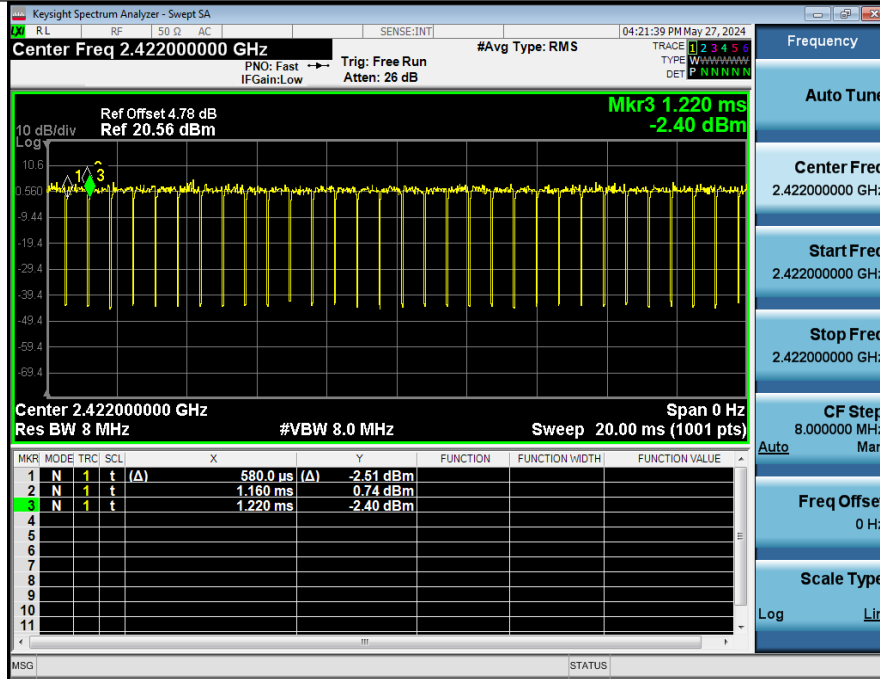
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



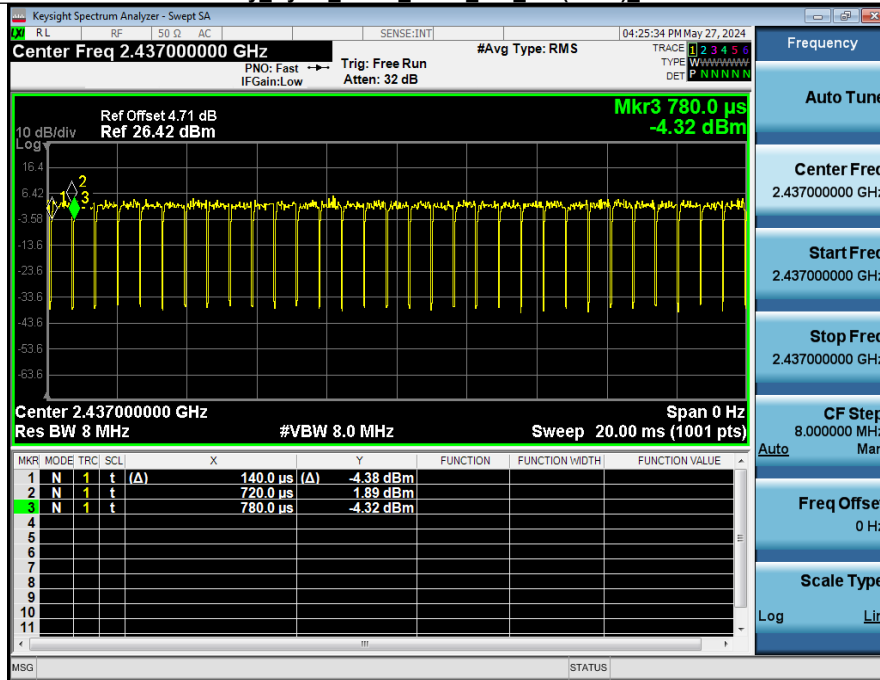
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



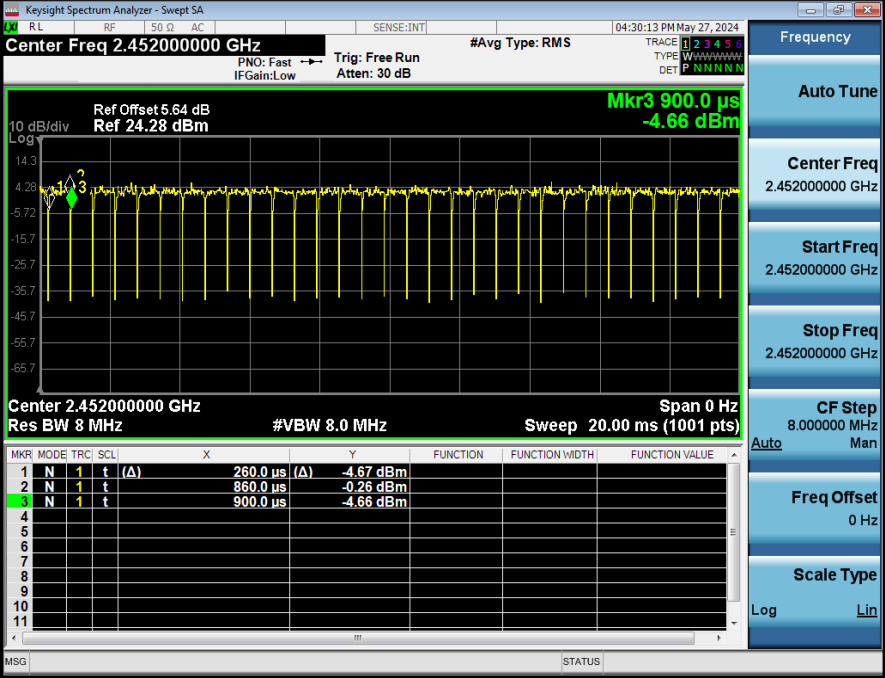
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



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)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-7.15	N/A	-10.00	-17.15	8	Pass
NVNT	ANT1	802.11b	2437.00	-8.21	N/A	-10.00	-18.21	8	Pass
NVNT	ANT1	802.11b	2462.00	-7.61	N/A	-10.00	-17.61	8	Pass
NVNT	ANT1	802.11g	2412.00	-15.54	N/A	-10.00	-25.54	8	Pass
NVNT	ANT1	802.11g	2437.00	-15.51	N/A	-10.00	-25.51	8	Pass
NVNT	ANT1	802.11g	2462.00	-16.05	N/A	-10.00	-26.05	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-15.26	N/A	-10.00	-25.26	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-15.29	N/A	-10.00	-25.29	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-15.98	N/A	-10.00	-25.98	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-18.76	N/A	-10.00	-28.76	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-18.33	N/A	-10.00	-28.33	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-17.06	N/A	-10.00	-27.06	8	Pass



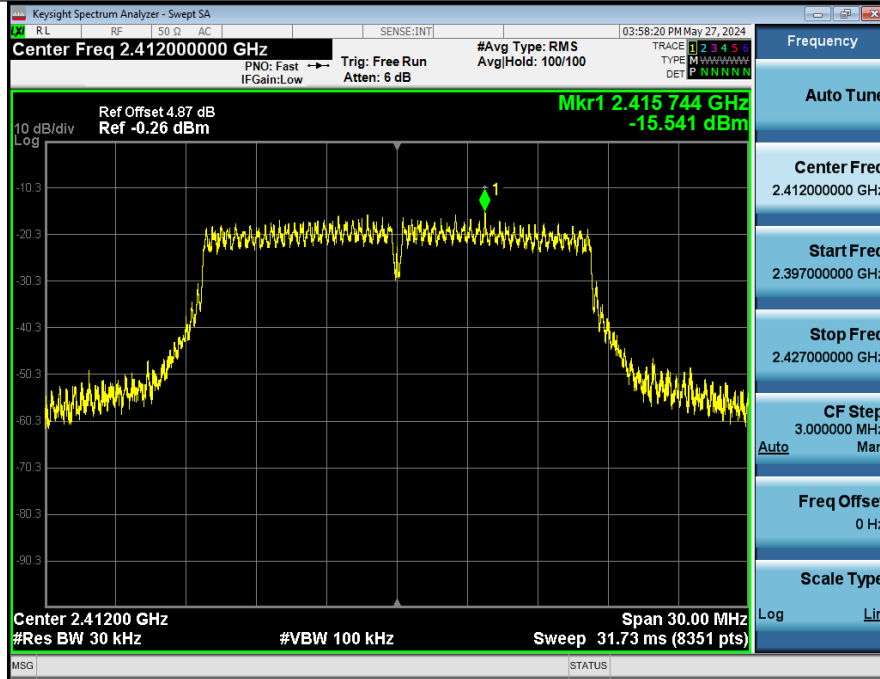
Power Spectral Density_NVNT_ANT1_802_11b_2437



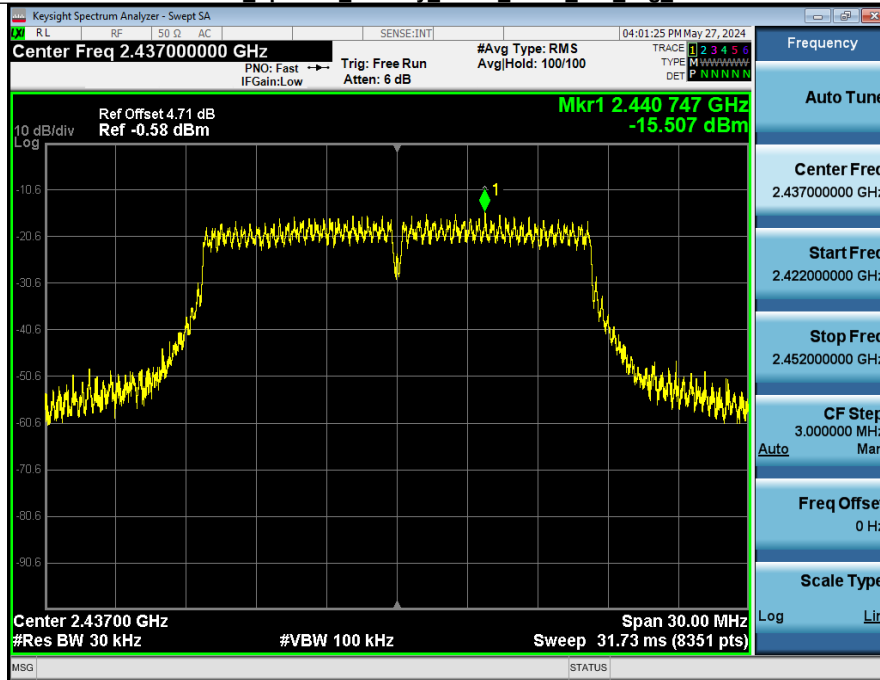
Power Spectral Density_NVNT_ANT1_802_11b_2462



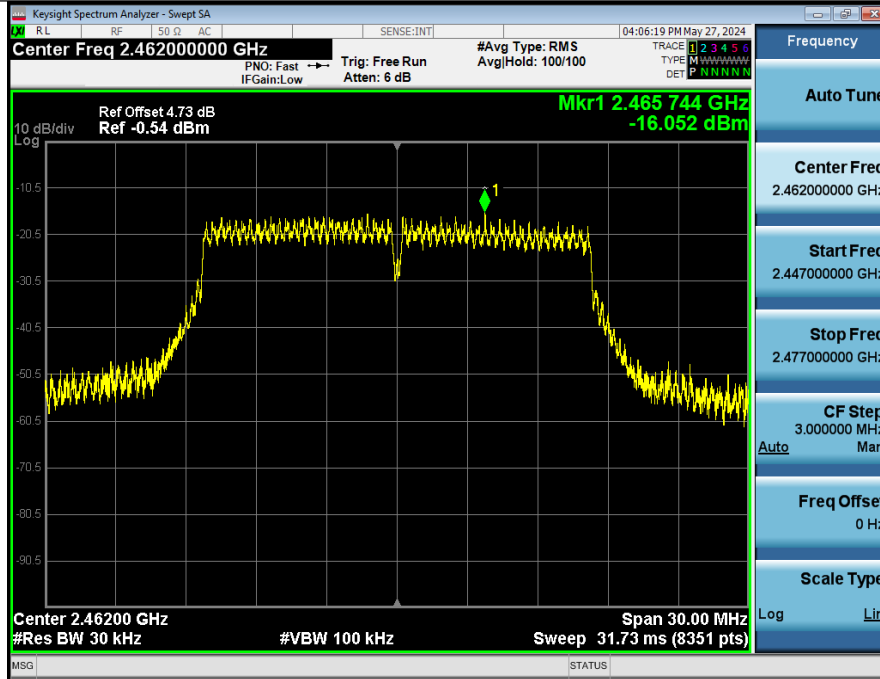
Power Spectral Density NVNT_ANT1_802_11g_2412



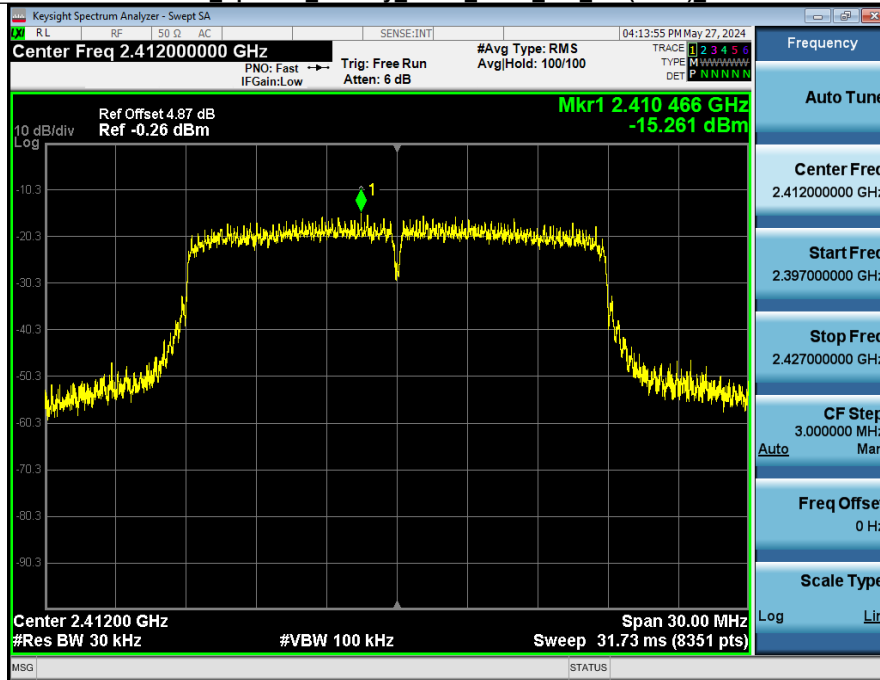
Power Spectral Density NVNT_ANT1_802_11g_2437



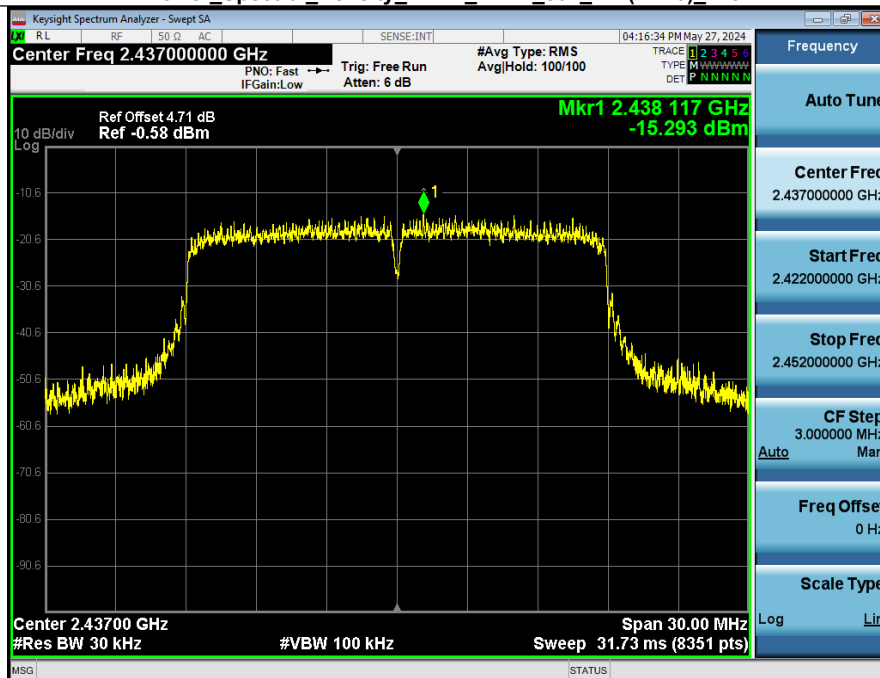
Power Spectral Density_NVNT_ANT1_802_11g_2462



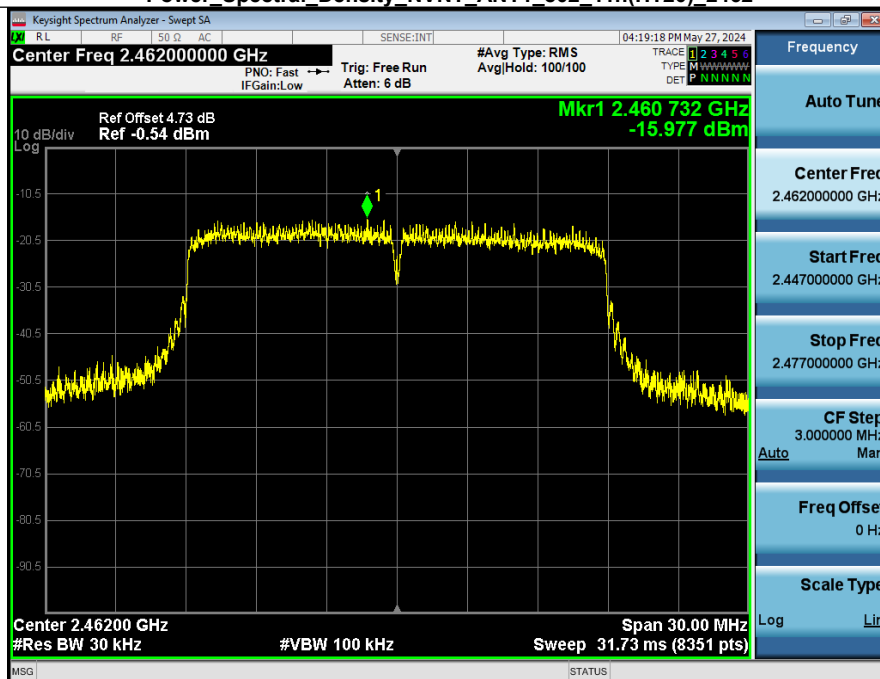
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



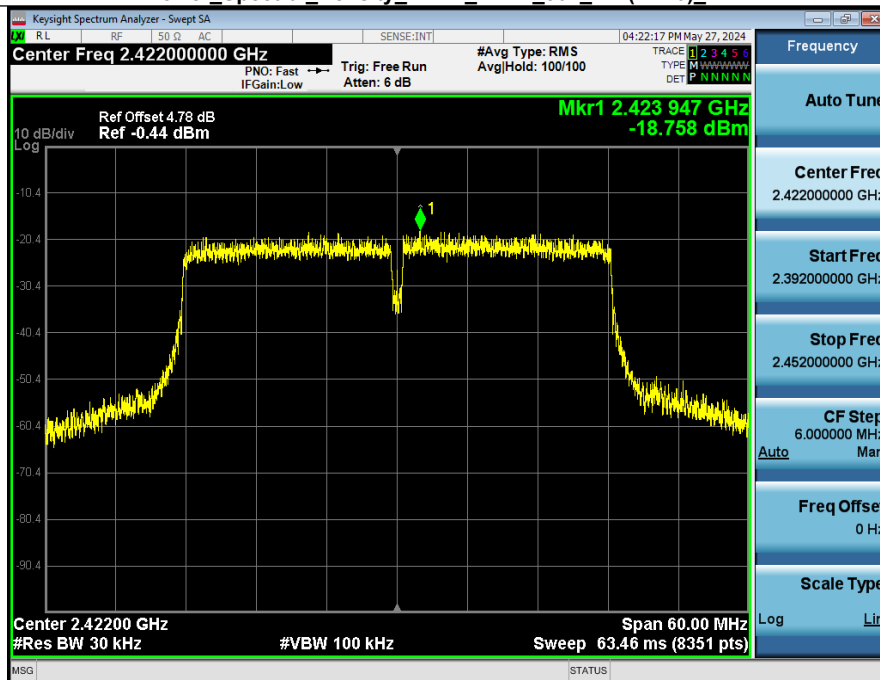
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



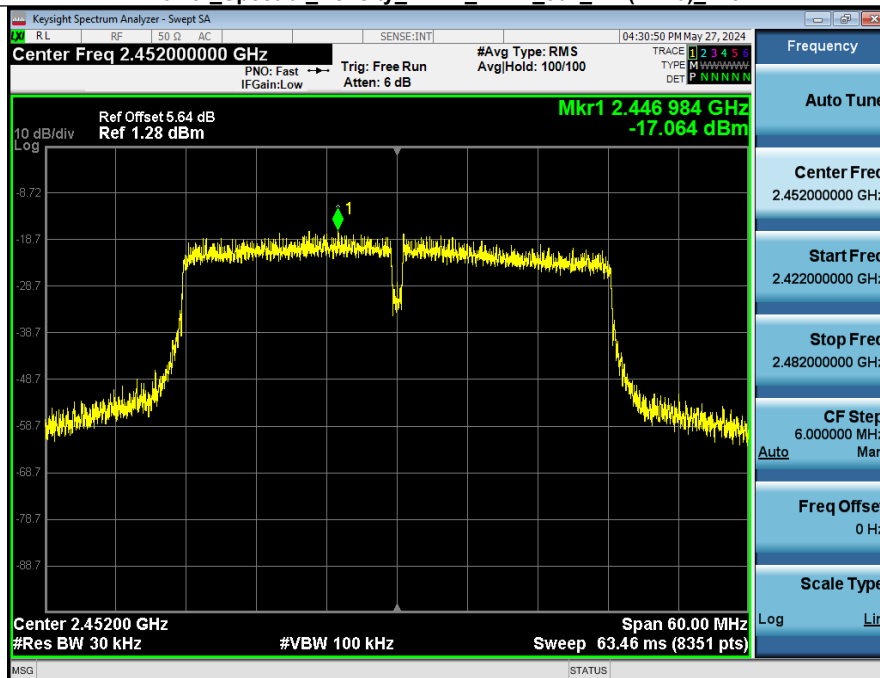
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2437

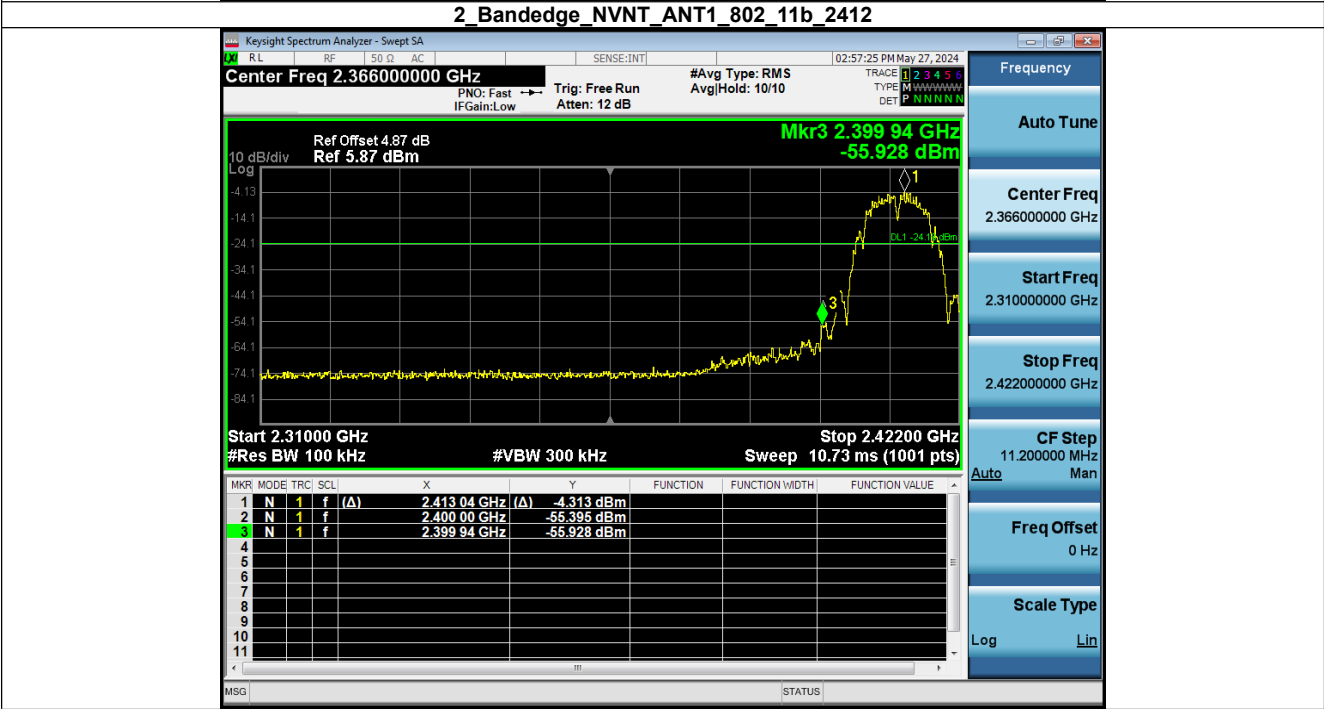
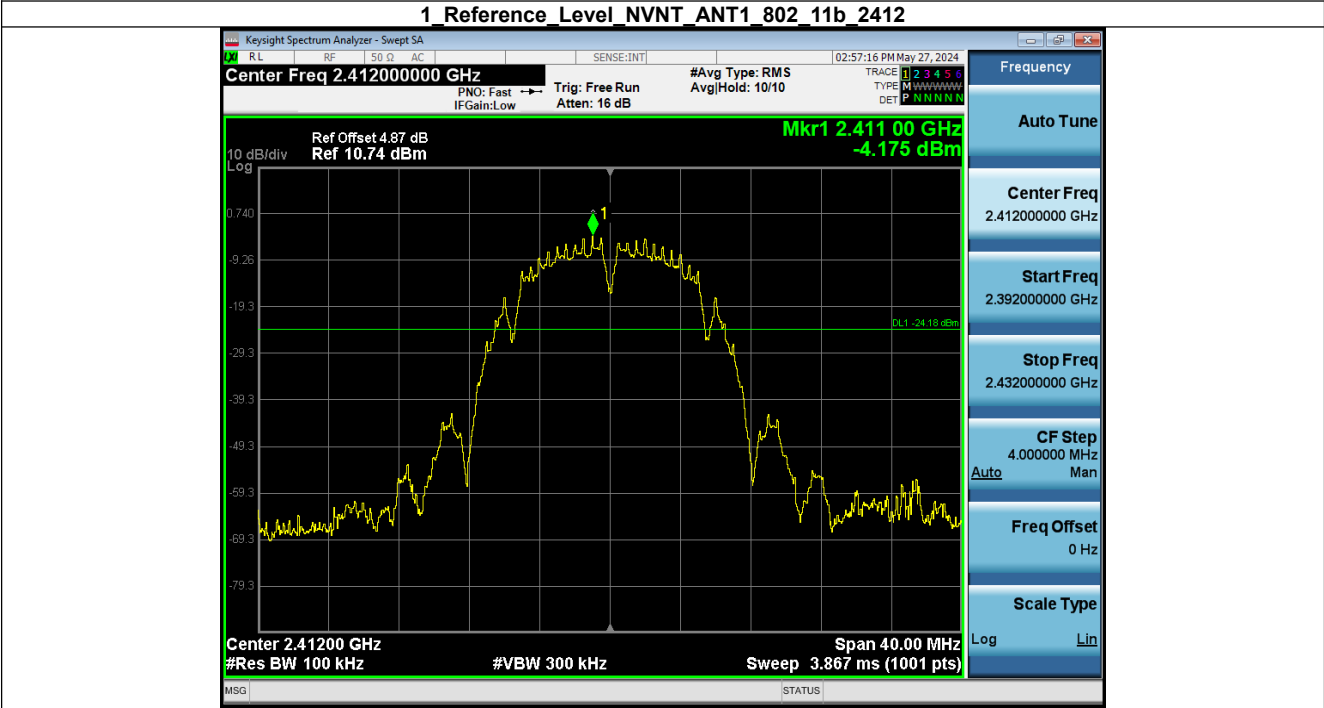


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452

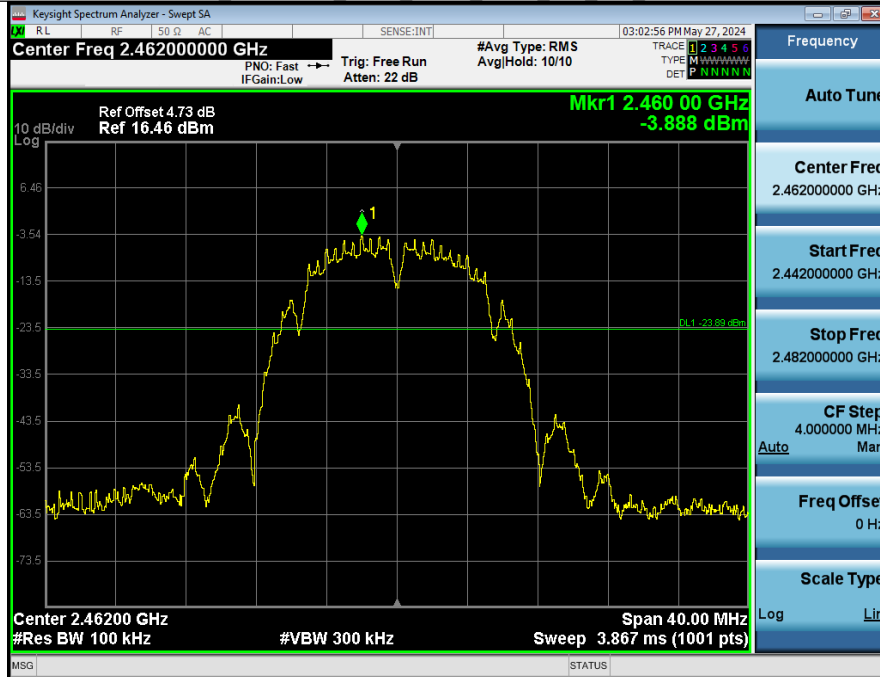


6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-55.928	-24.175	Pass
NVNT	ANT1	802.11b	2462.00	2484.064	-63.405	-23.888	Pass
NVNT	ANT1	802.11g	2412.00	2399.488	-43.512	-31.143	Pass
NVNT	ANT1	802.11g	2462.00	2483.584	-56.334	-31.048	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.376	-42.303	-31.471	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.160	-54.293	-31.375	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2398.836	-43.617	-33.803	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-52.534	-32.397	Pass



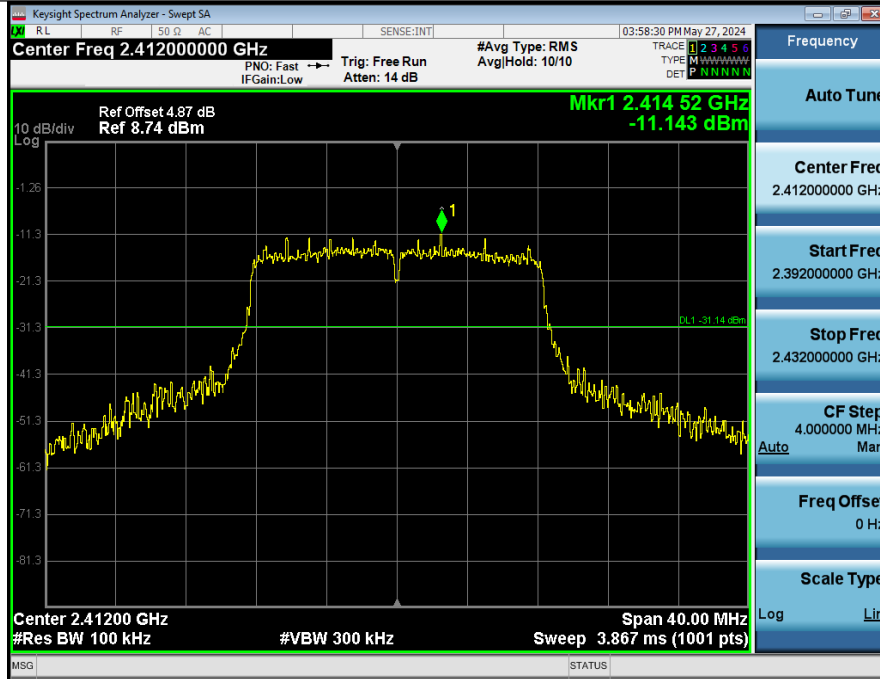
1 Reference_Level_NVNT_ANT1_802_11b_2462



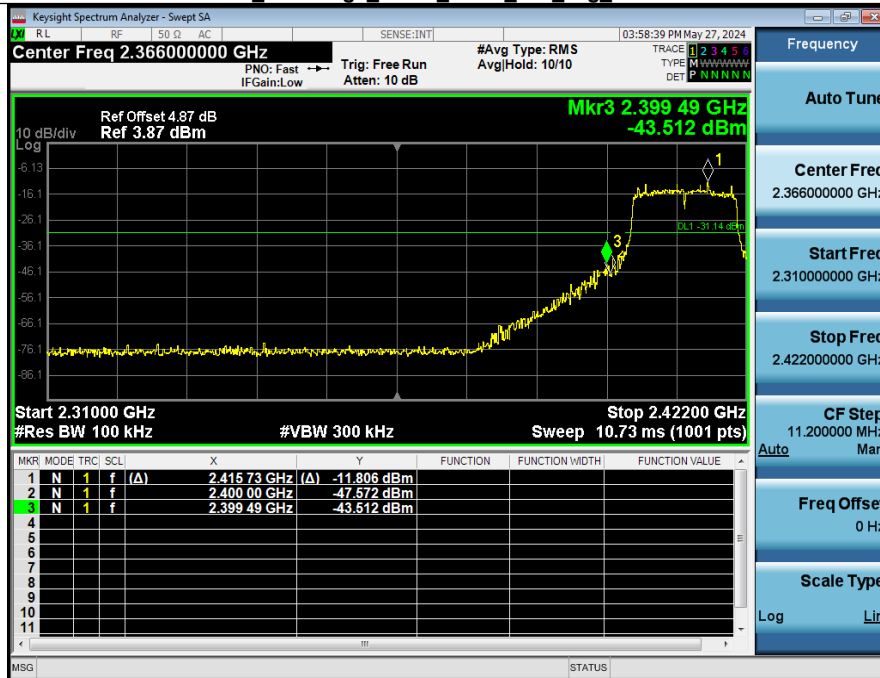
2 Bandedge_NVNT_ANT1_802_11b_2462



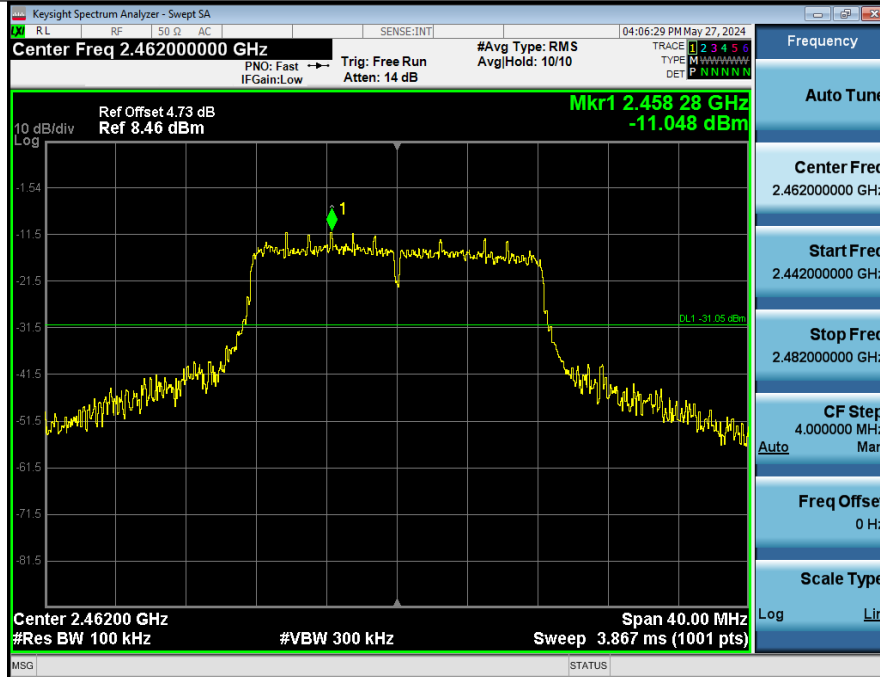
1 Reference Level_NVNT_ANT1_802_11g_2412



2 Bandedge_NVNT_ANT1_802_11g_2412



1 Reference Level_NVNT_ANT1_802_11g_2462



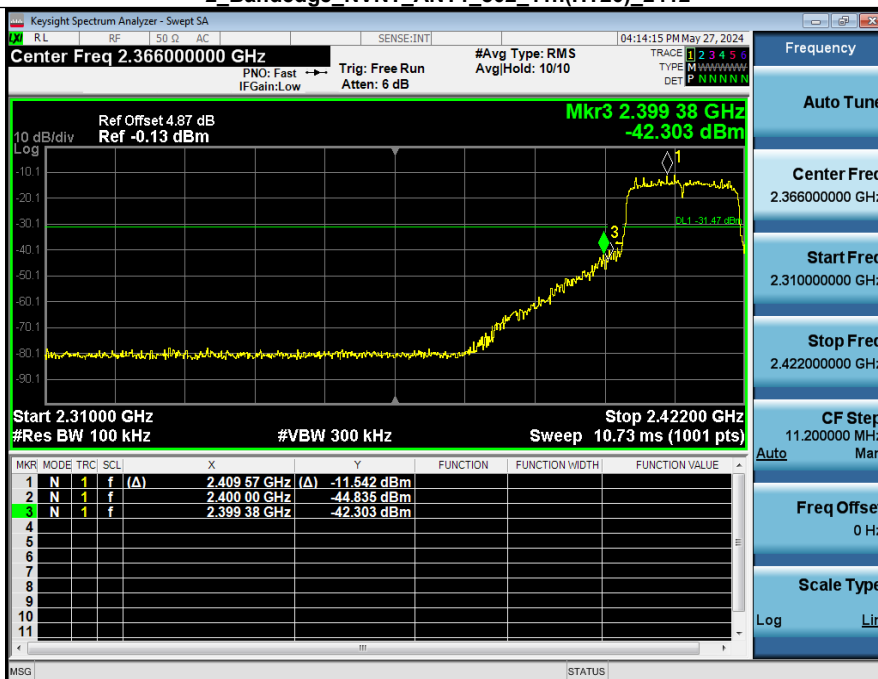
2 Bandedge_NVNT_ANT1_802_11g_2462



1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



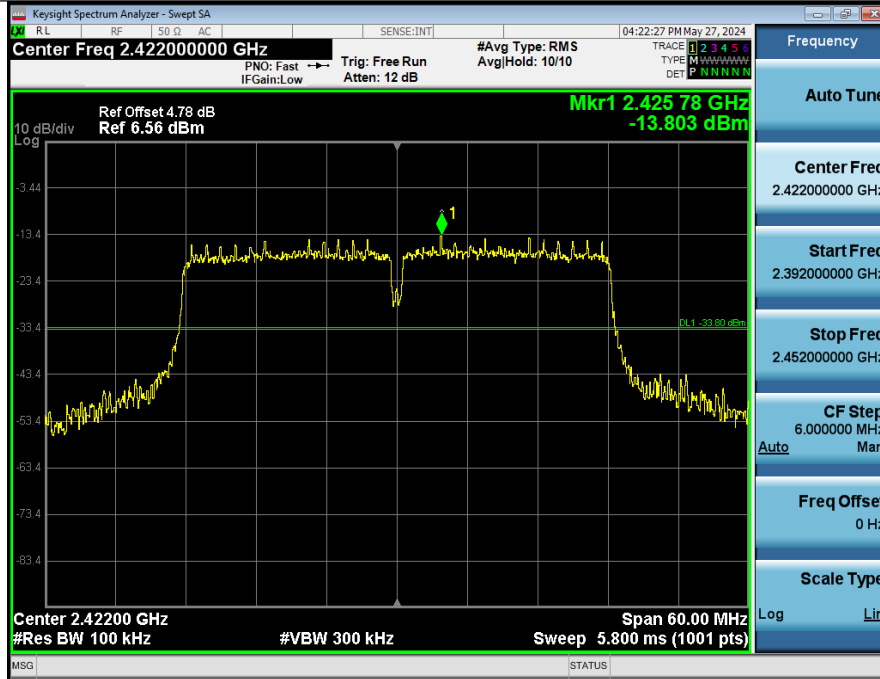
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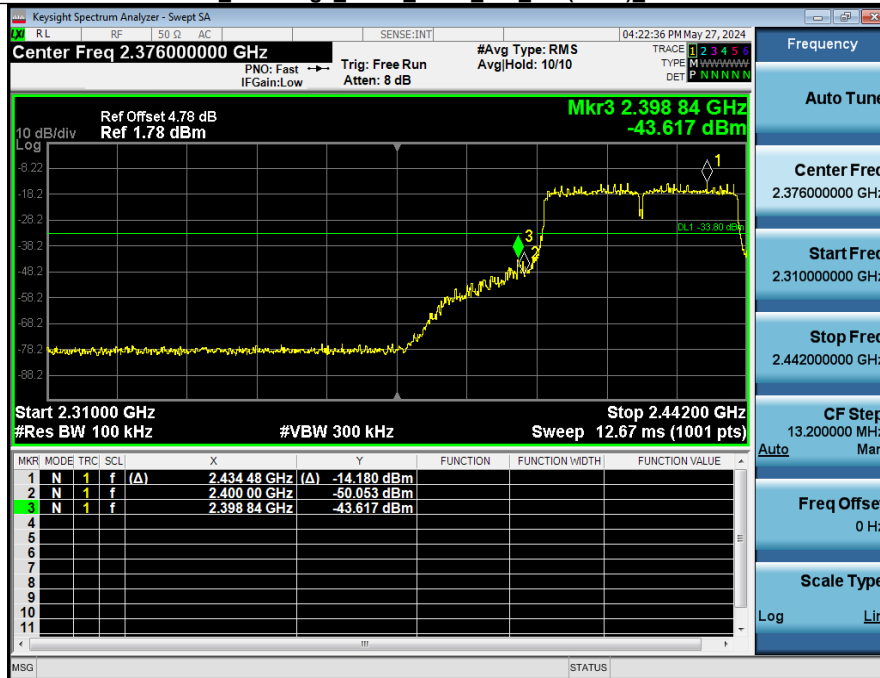
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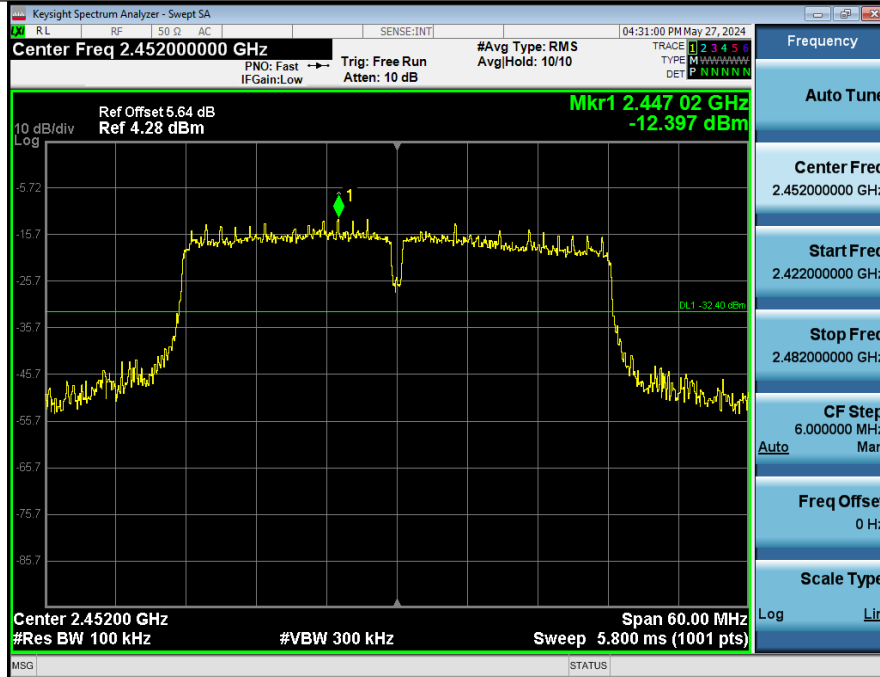
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

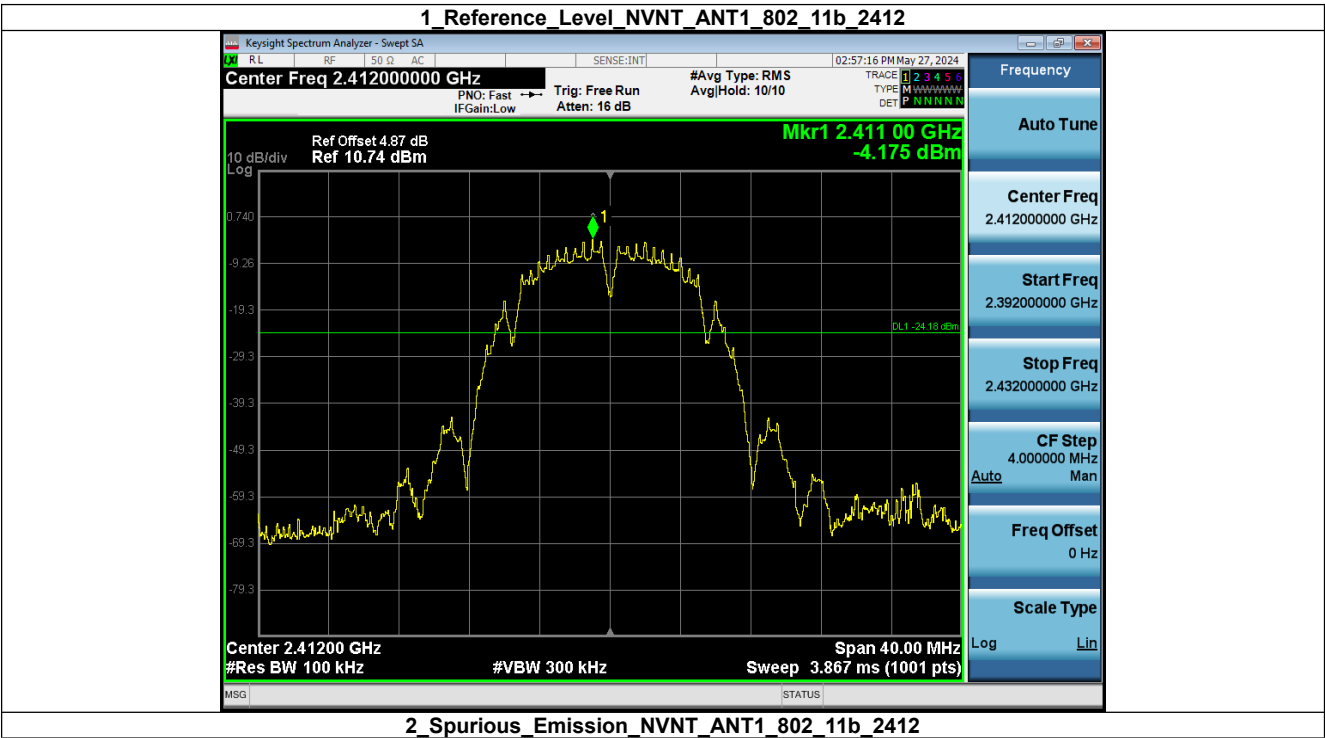


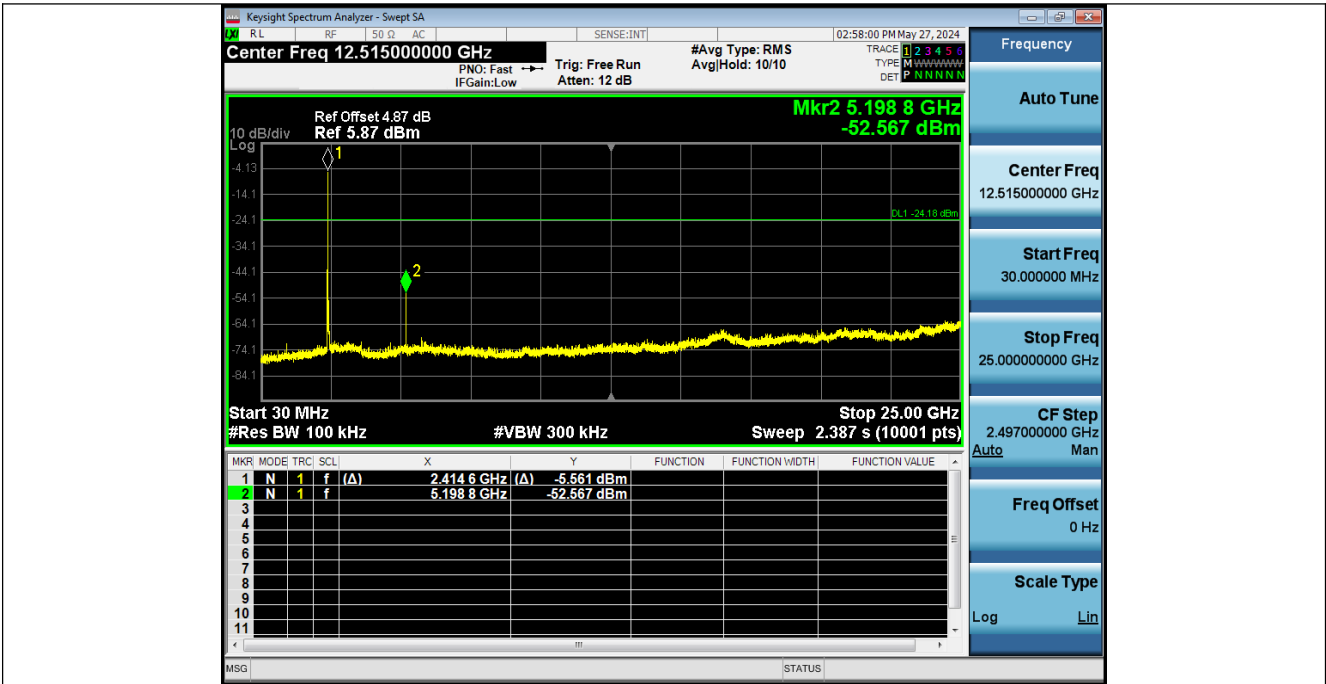
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



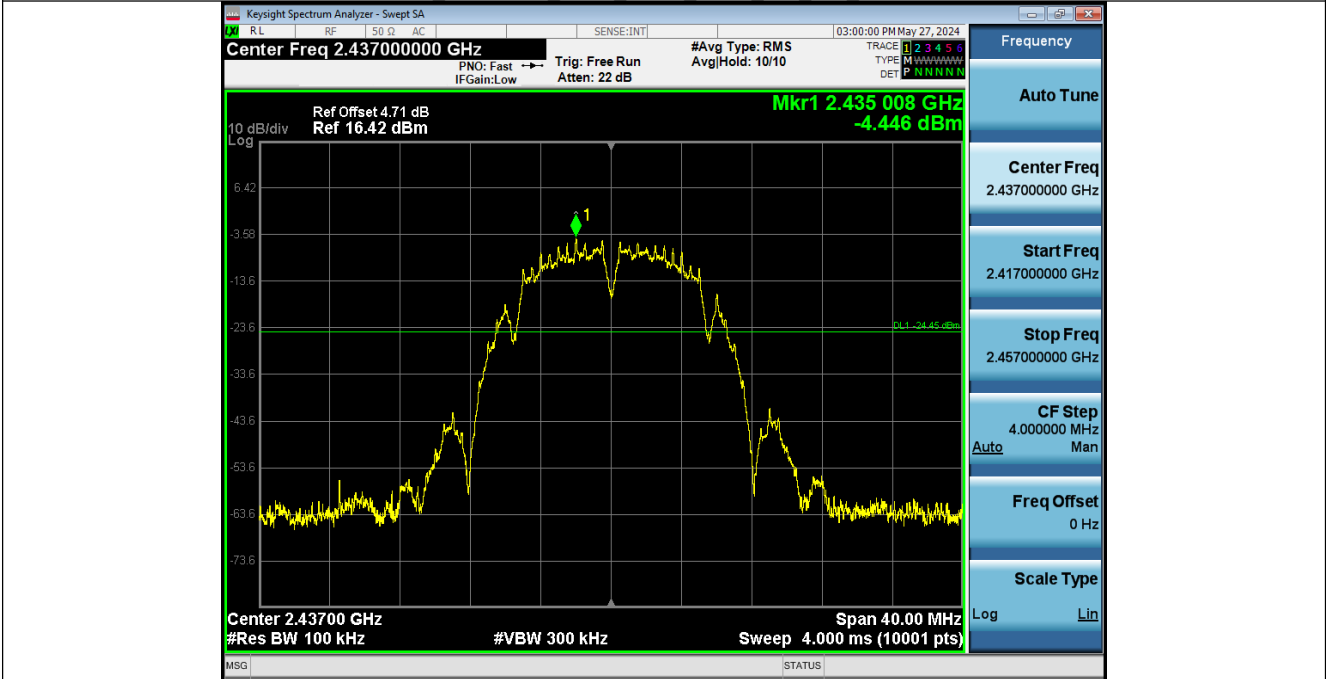
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	5198.790	-52.567	-24.175	Pass
NVNT	ANT1	802.11b	2437.00	24985.018	-54.785	-24.446	Pass
NVNT	ANT1	802.11b	2462.00	24975.030	-55.564	-23.888	Pass
NVNT	ANT1	802.11g	2412.00	906.447	-57.273	-30.667	Pass
NVNT	ANT1	802.11g	2437.00	709.184	-40.098	-30.658	Pass
NVNT	ANT1	802.11g	2462.00	911.441	-34.190	-31.048	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24972.533	-66.646	-31.471	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2522.006	-44.427	-30.560	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	721.669	-39.701	-31.375	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	724.166	-35.573	-33.803	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	903.950	-53.731	-33.283	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	1760.421	-57.185	-32.397	Pass

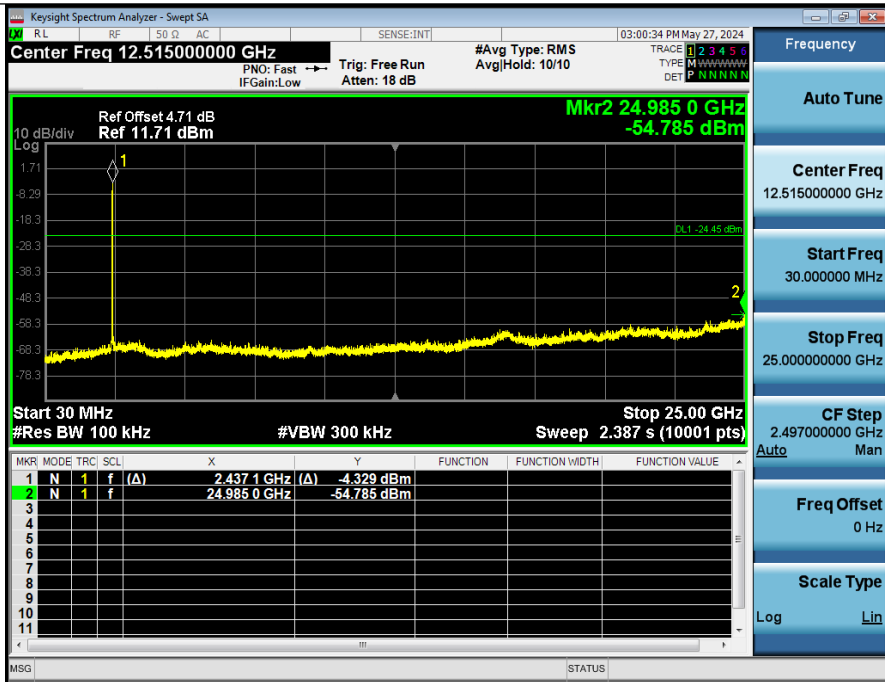




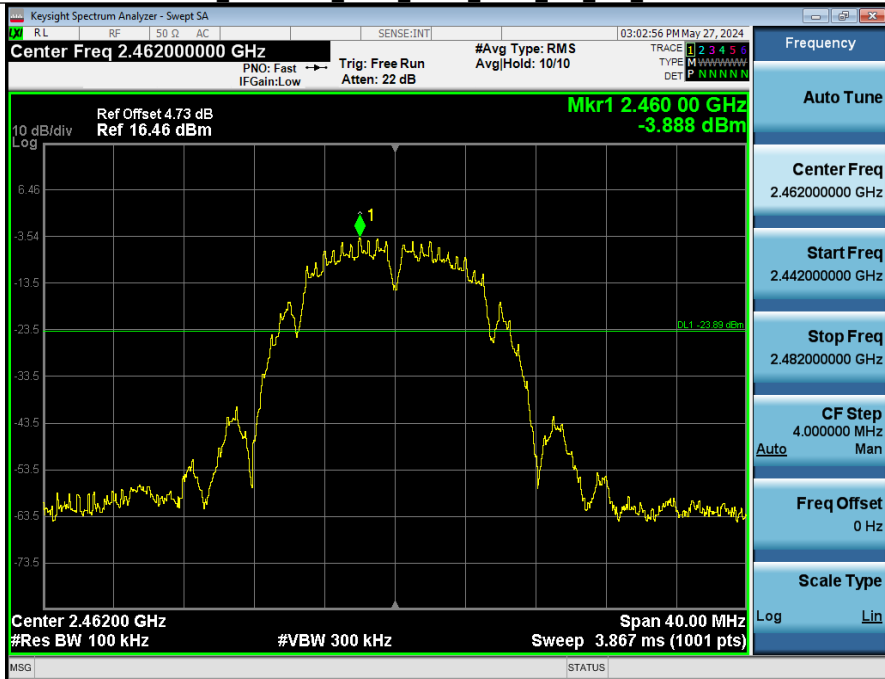
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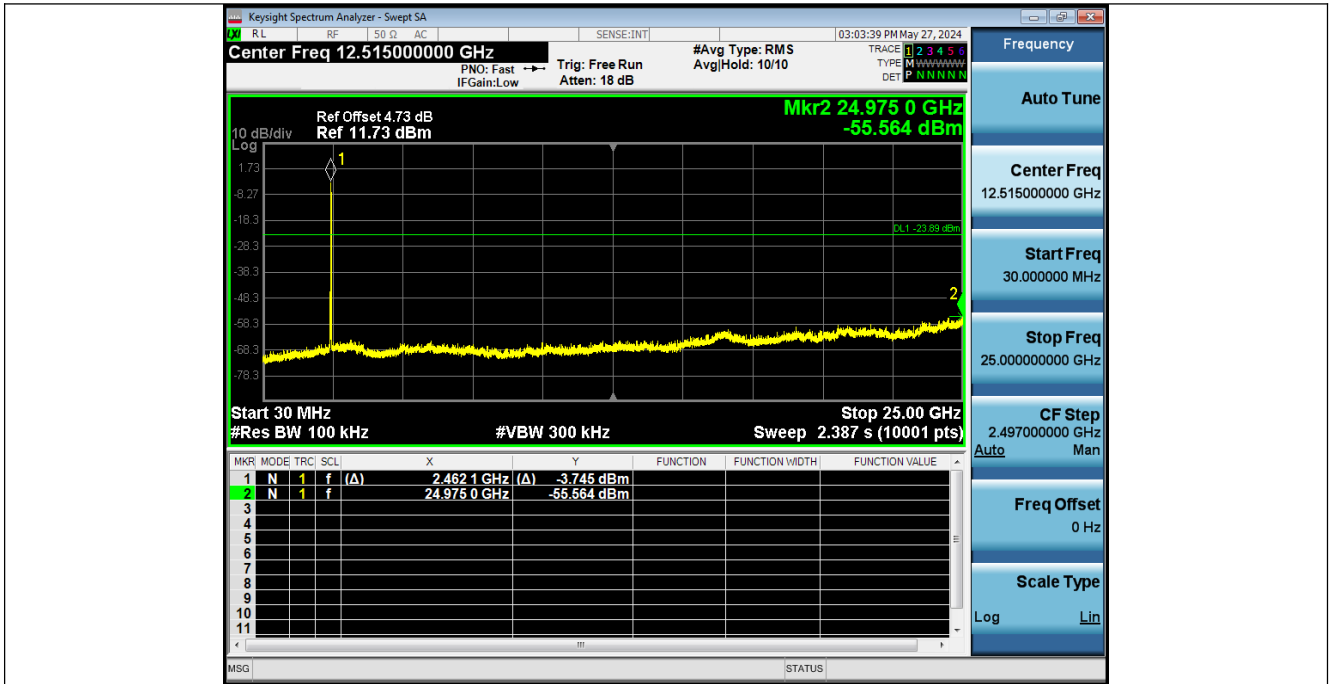
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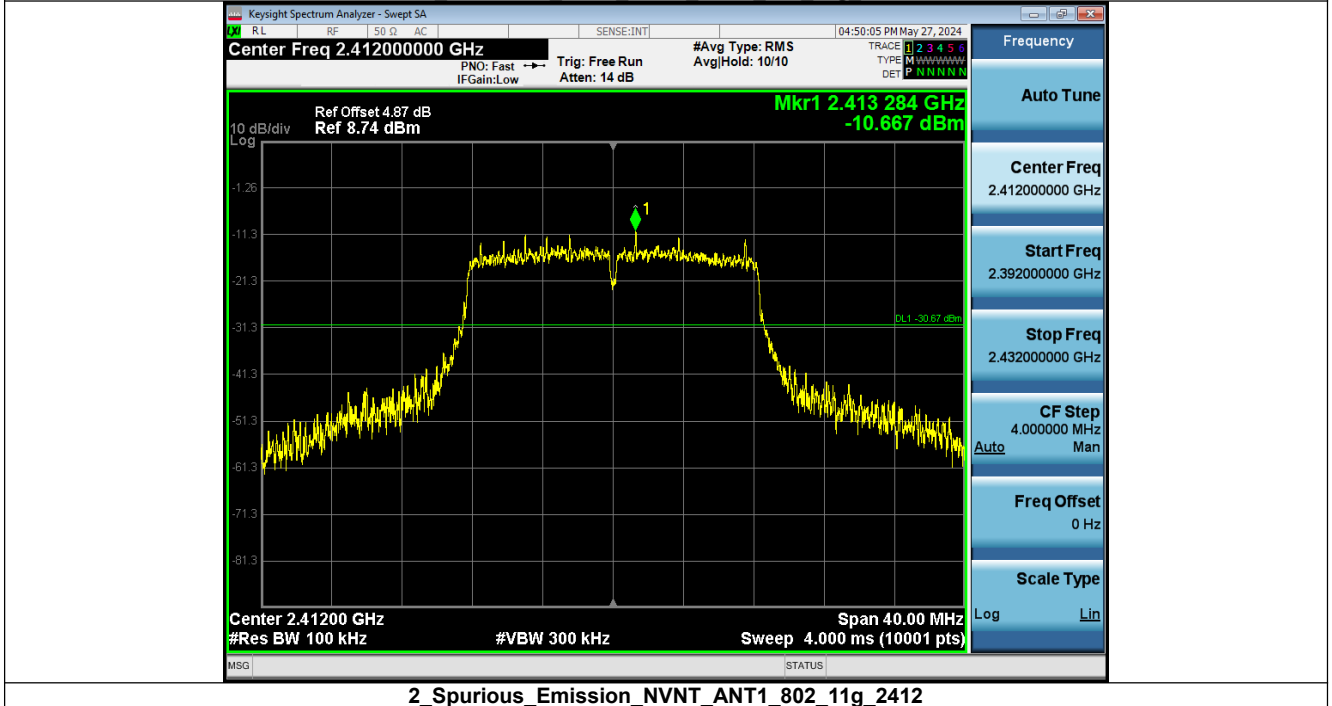
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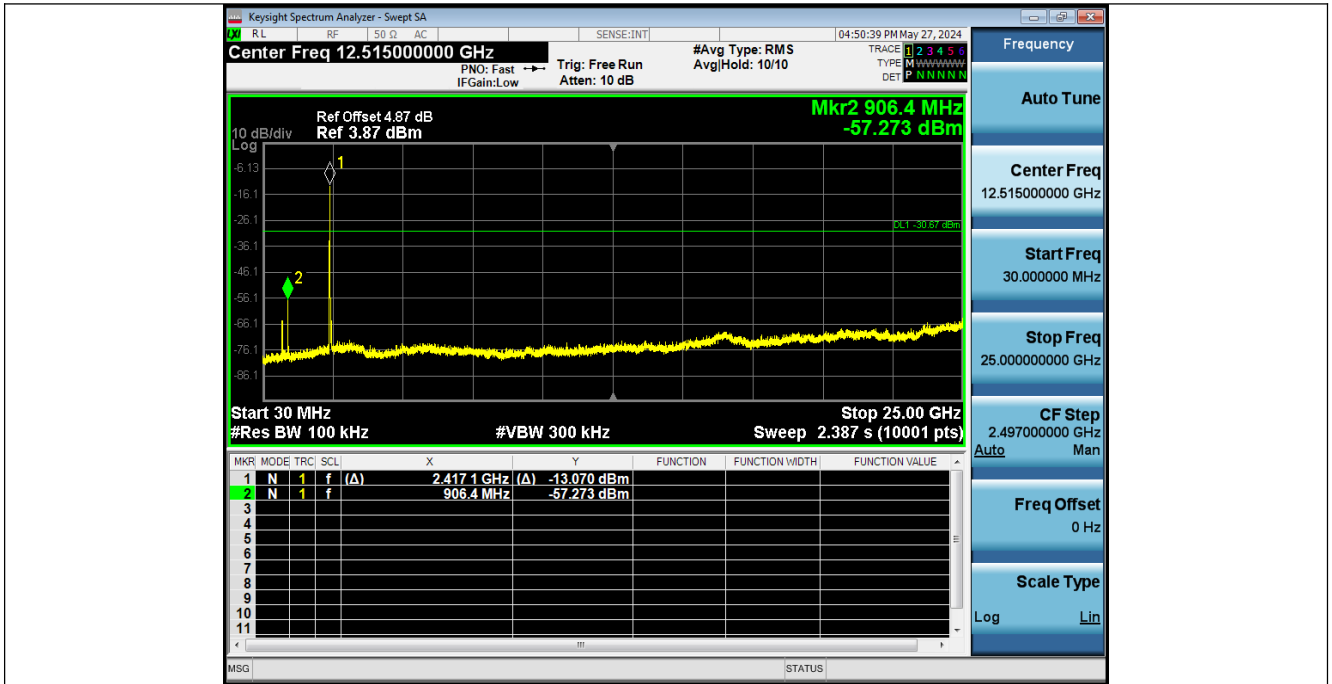
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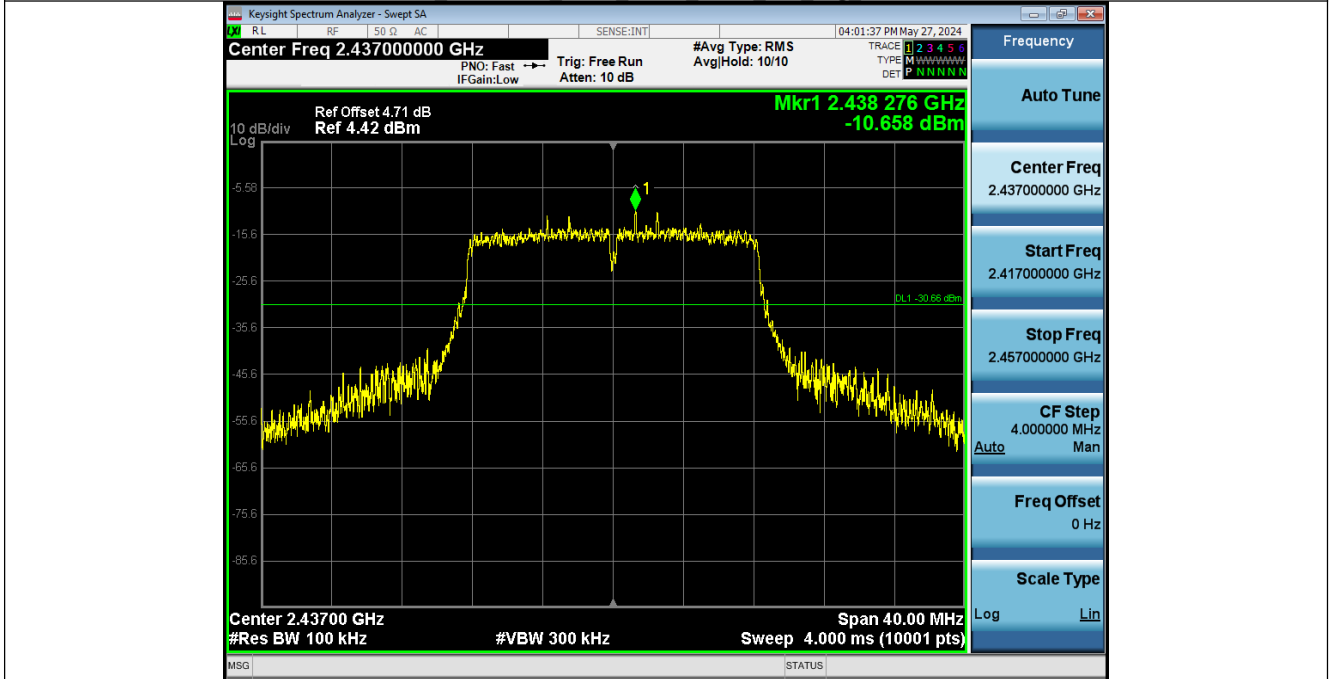
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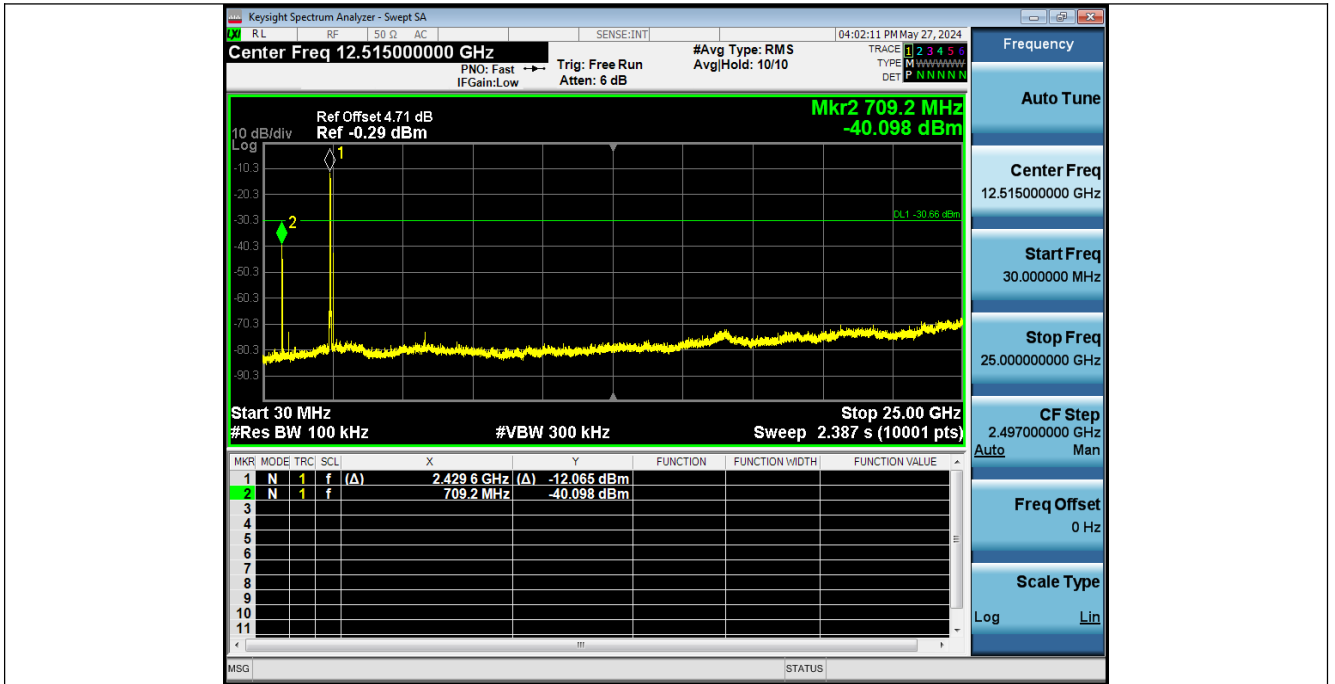
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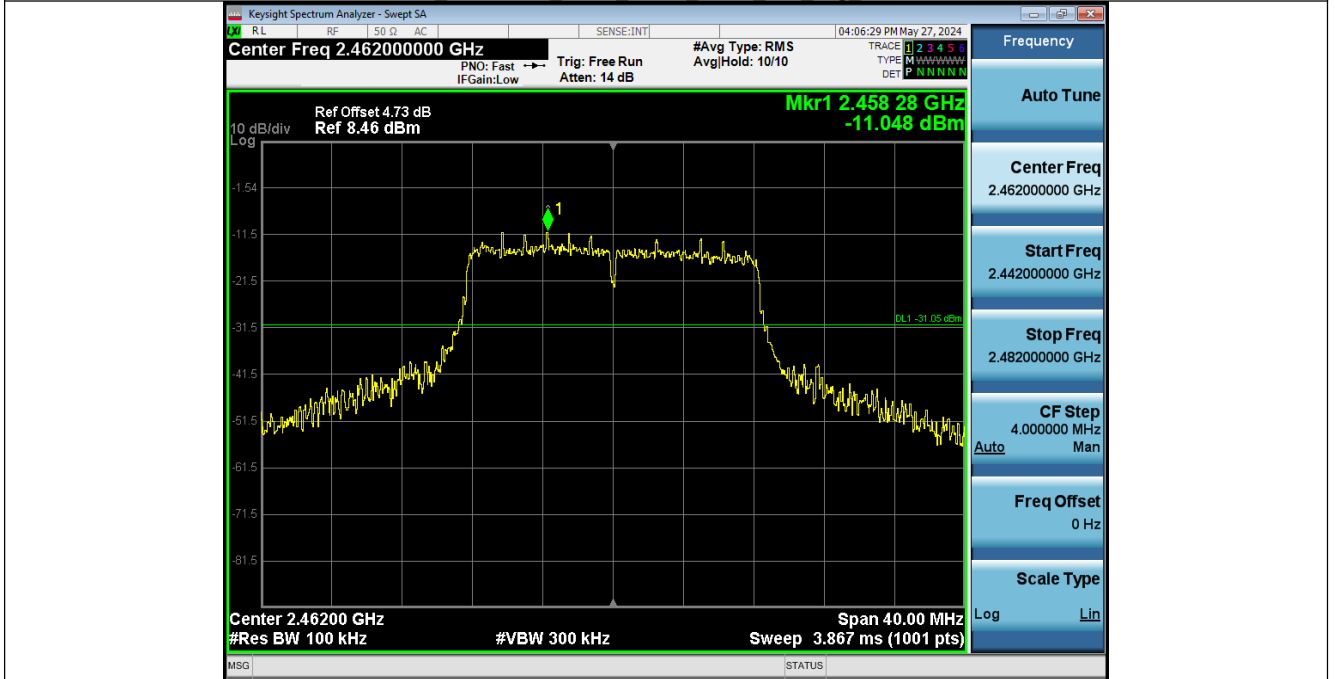
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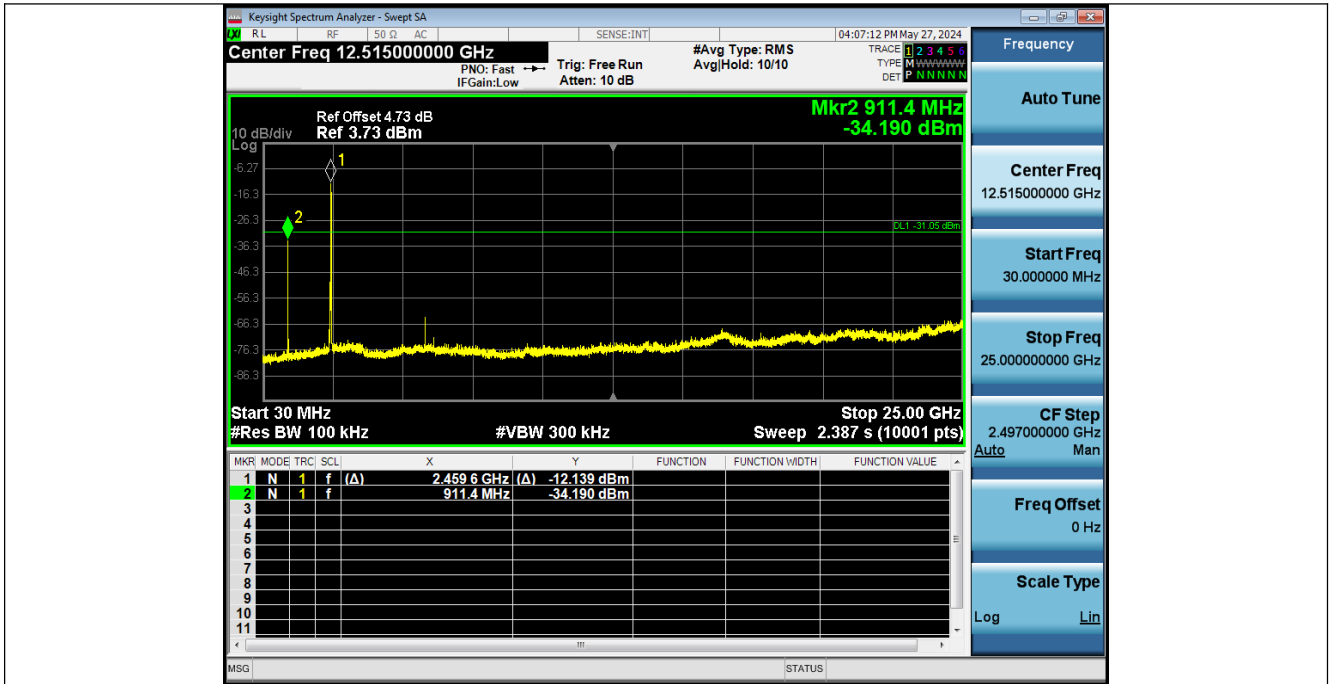
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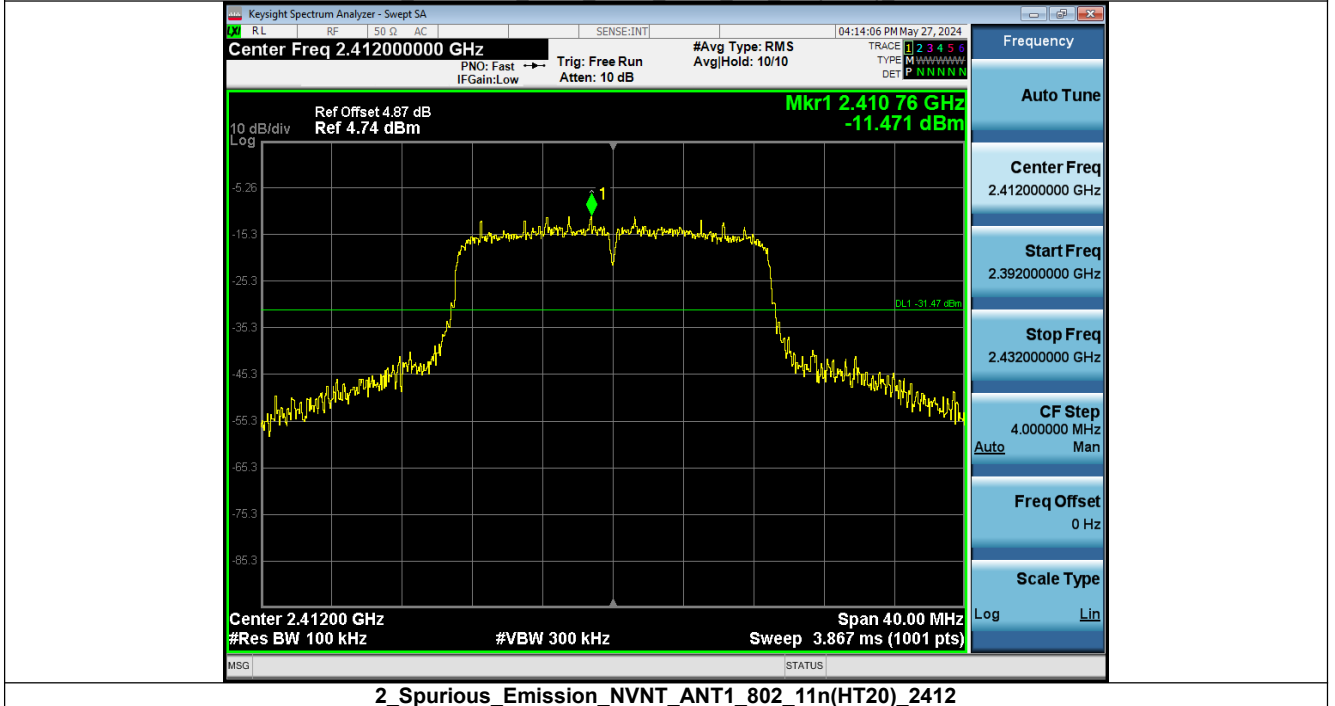
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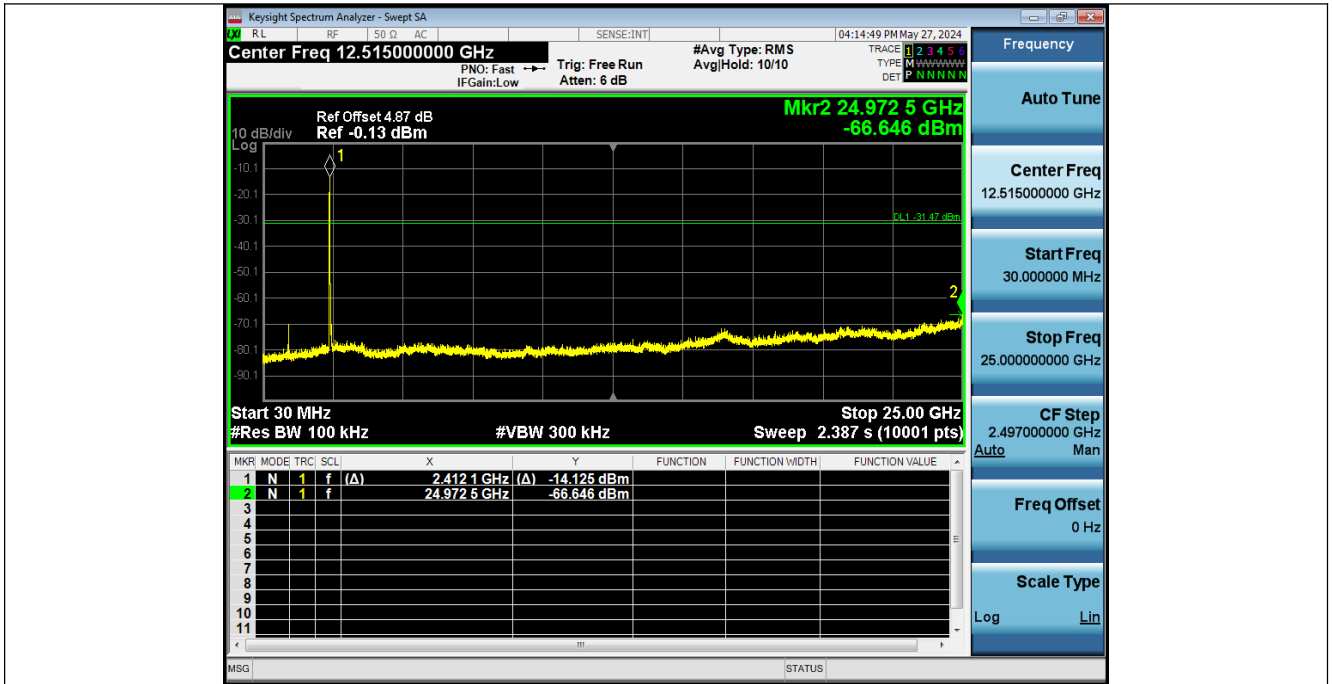
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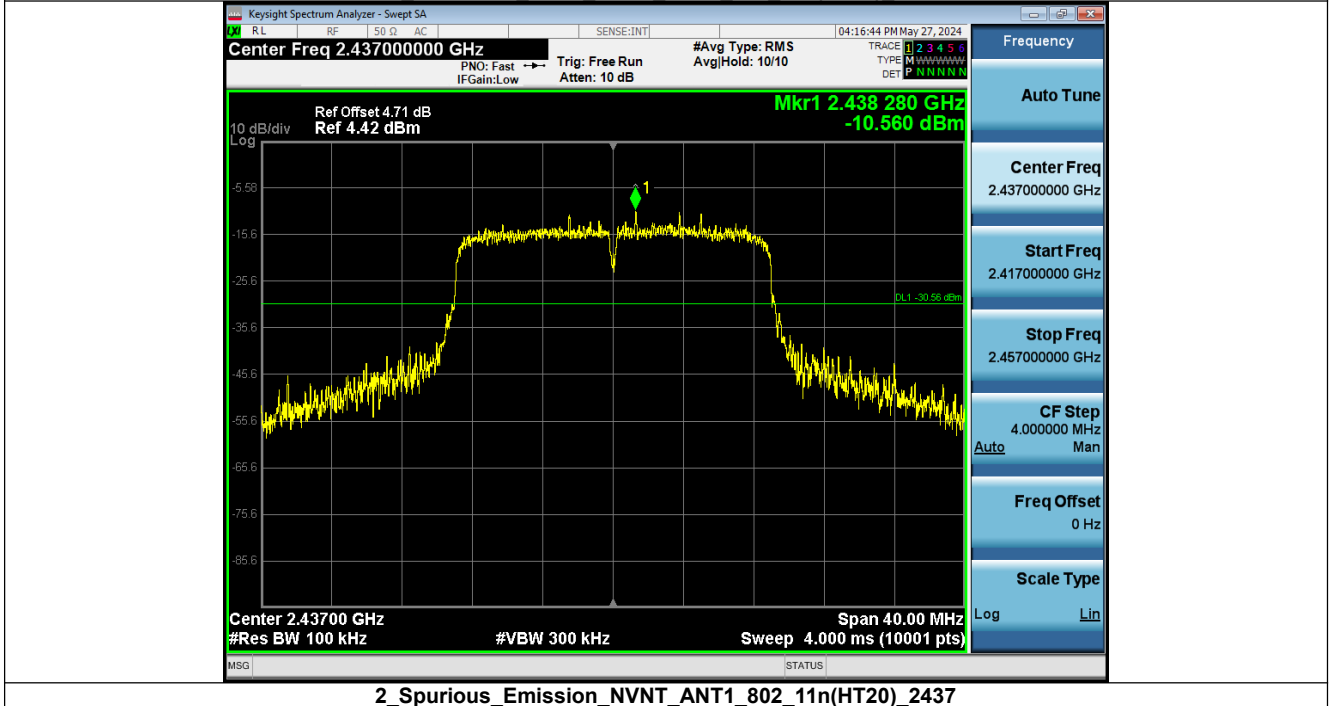
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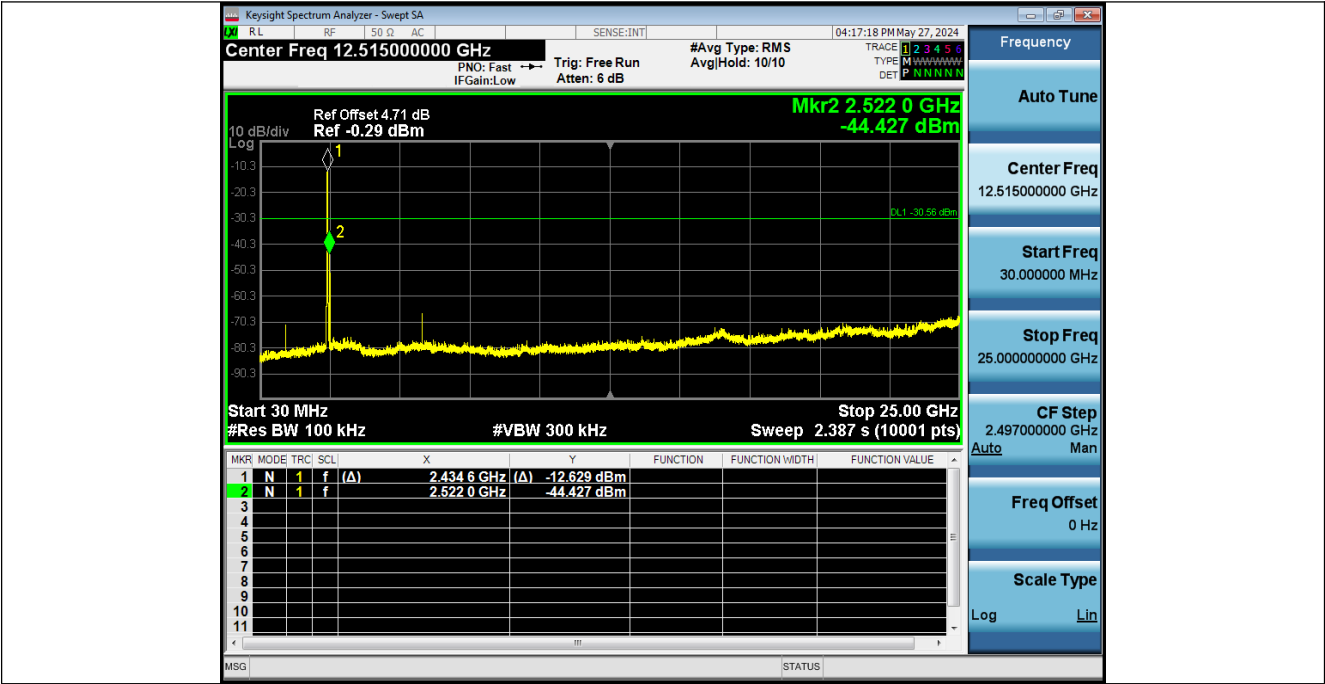
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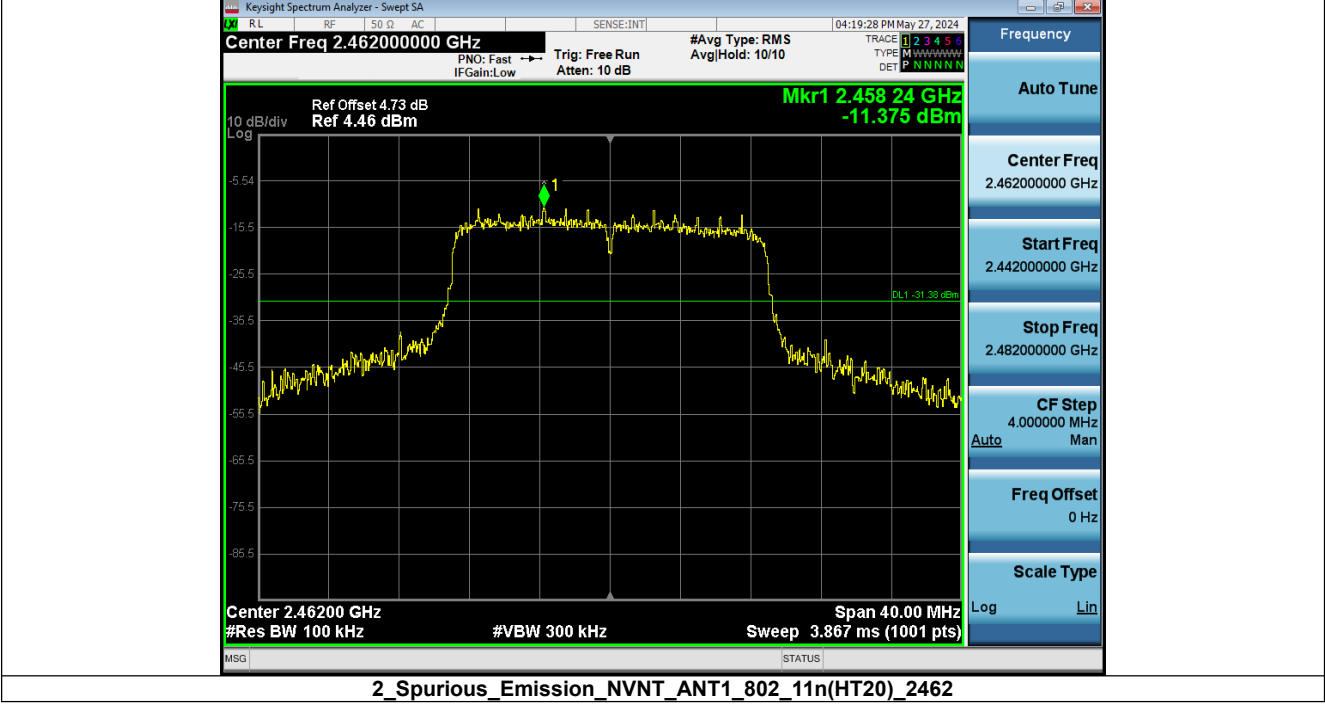
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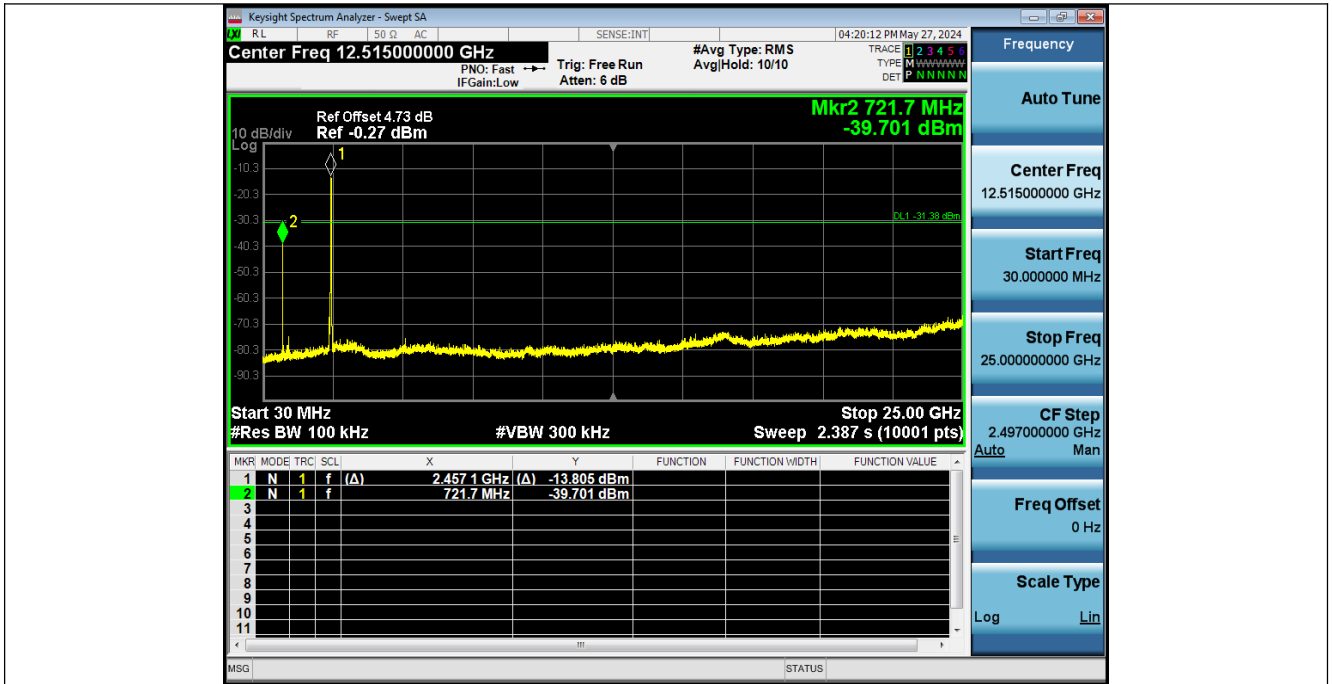
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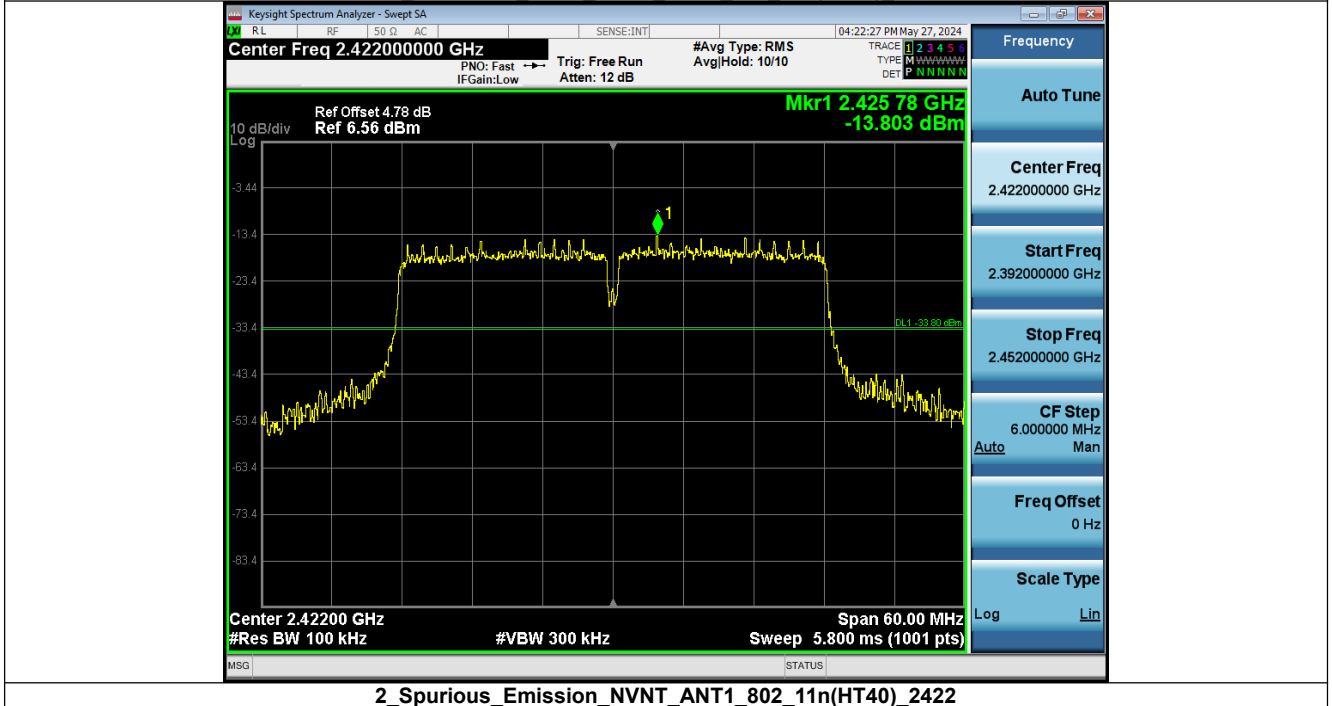
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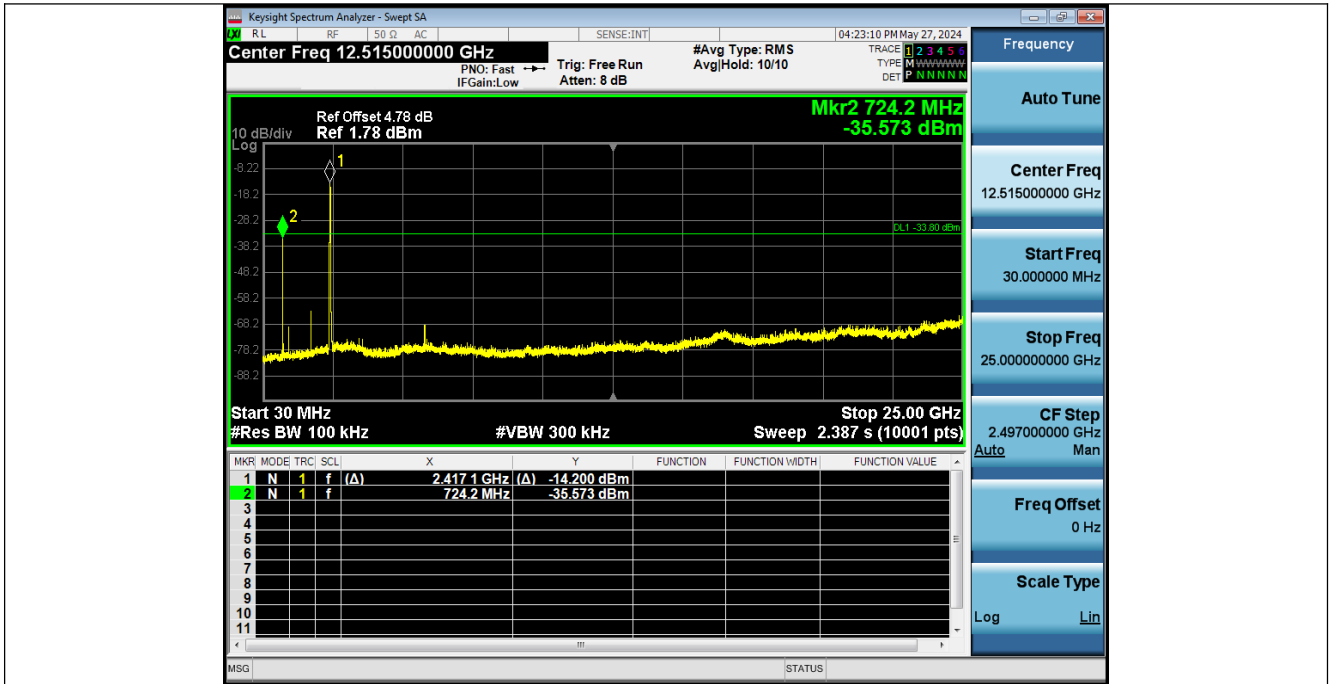
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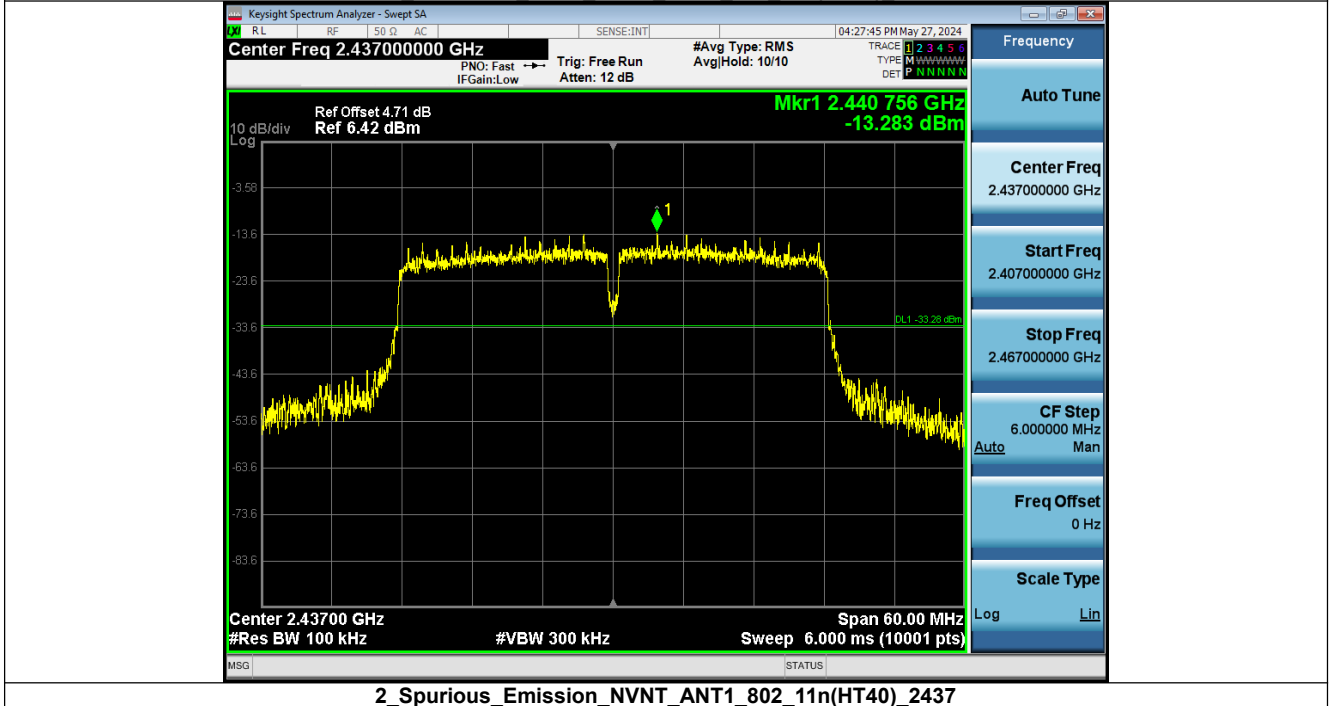
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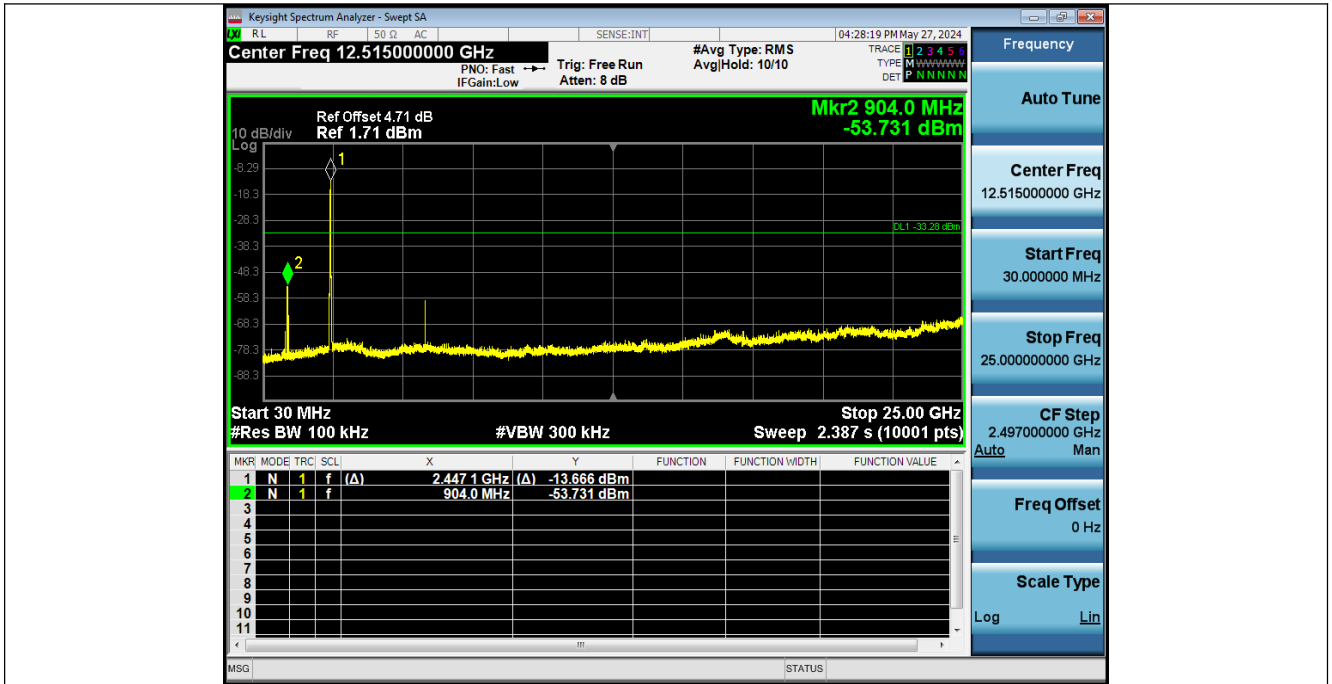
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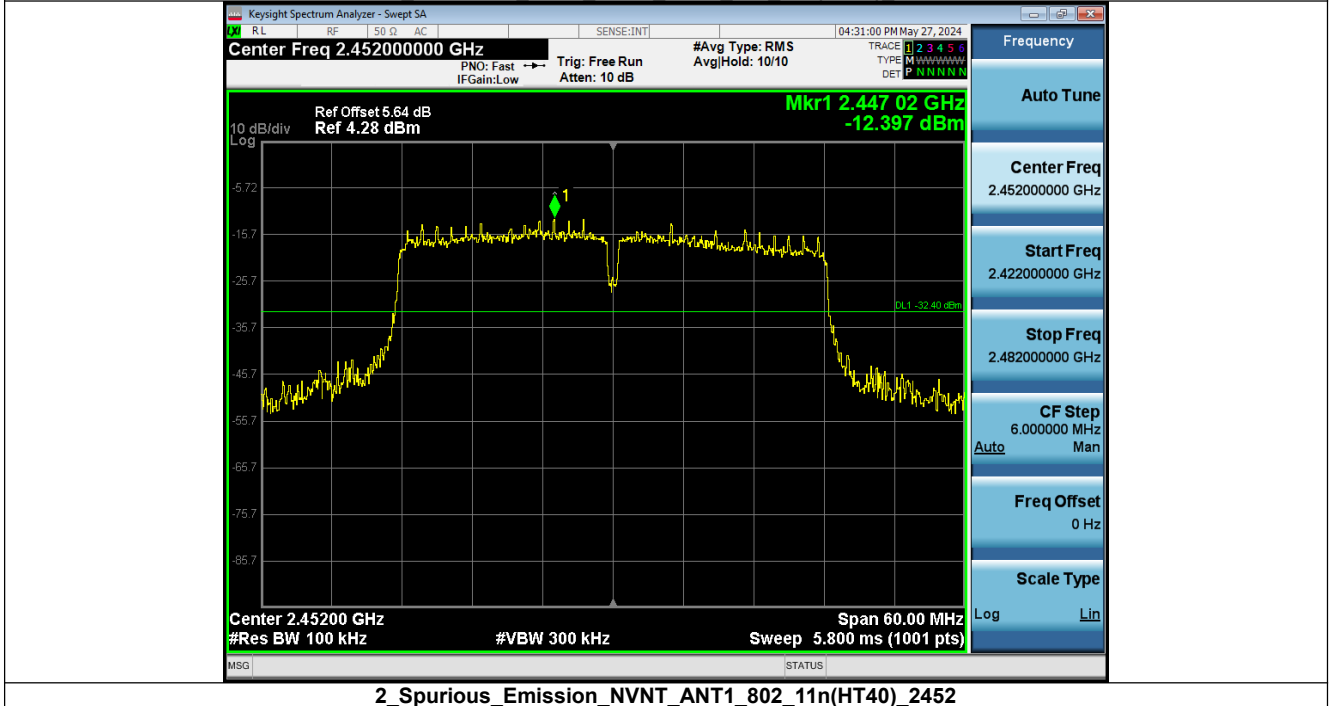
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2 Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2452

