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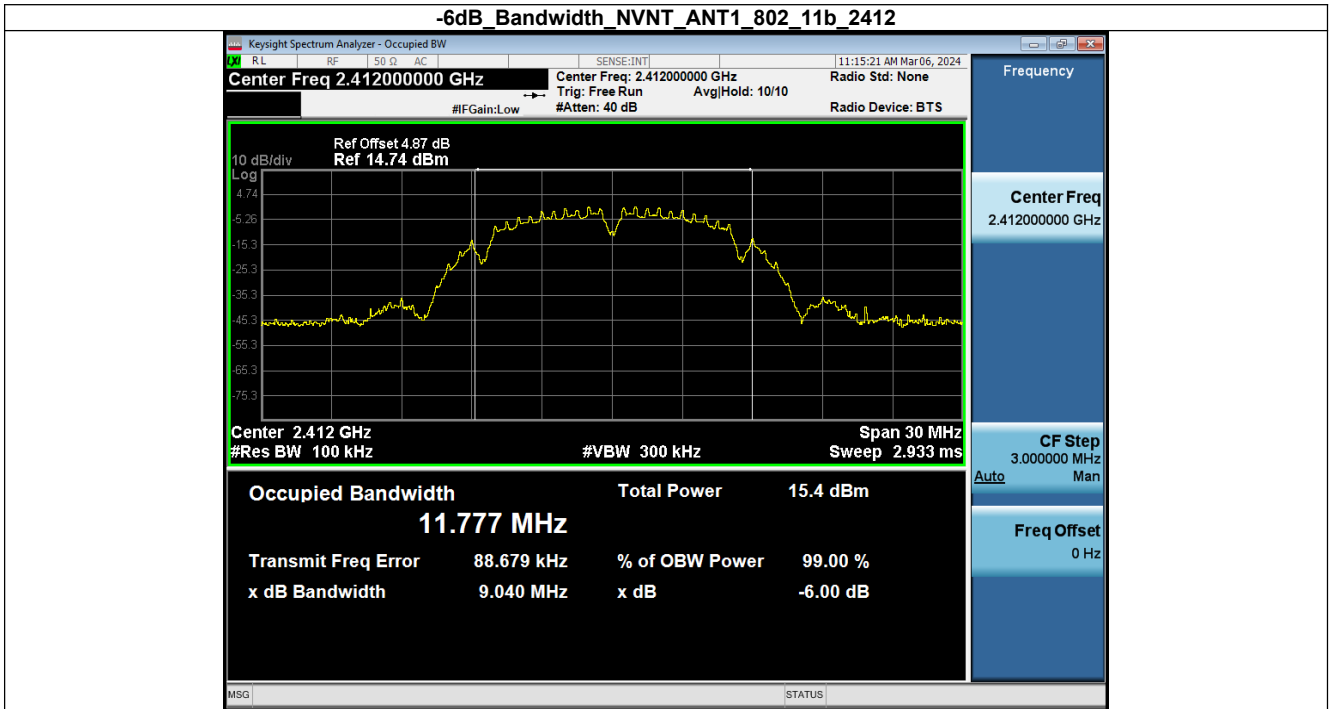
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FCC ID: 2BFJJ-IP-GK08A

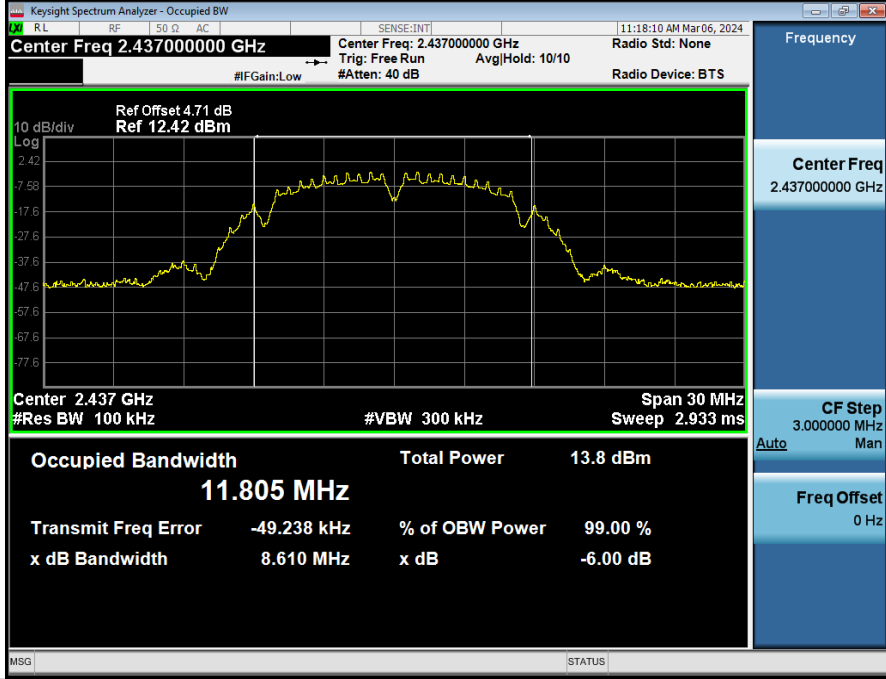
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

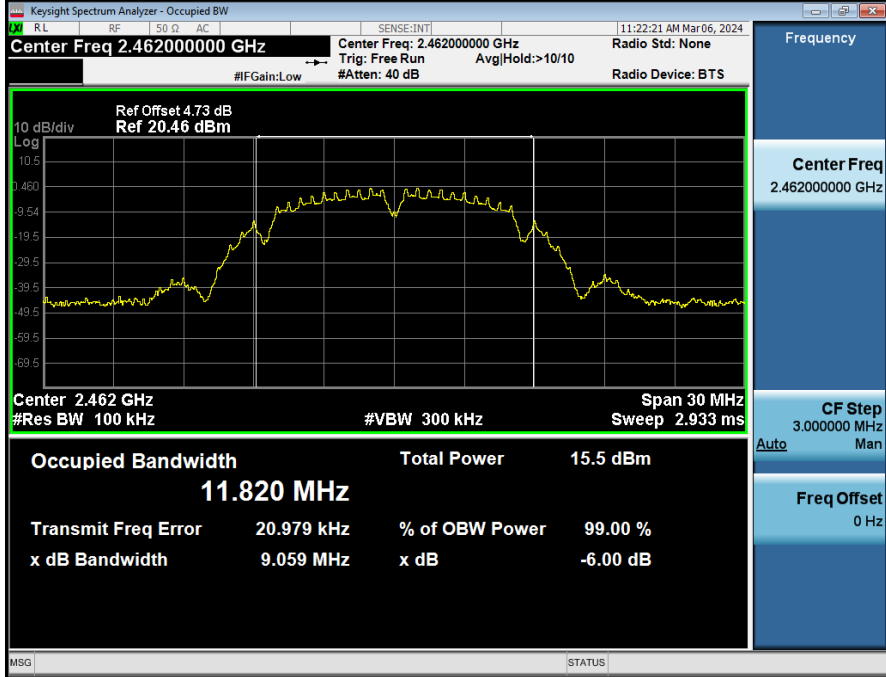
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.04	500	Pass
NVNT	ANT1	802.11b	2437.00	8.61	500	Pass
NVNT	ANT1	802.11b	2462.00	9.06	500	Pass
NVNT	ANT1	802.11g	2412.00	16.12	500	Pass
NVNT	ANT1	802.11g	2437.00	16.34	500	Pass
NVNT	ANT1	802.11g	2462.00	16.34	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.06	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.00	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.28	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.94	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.81	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.78	500	Pass



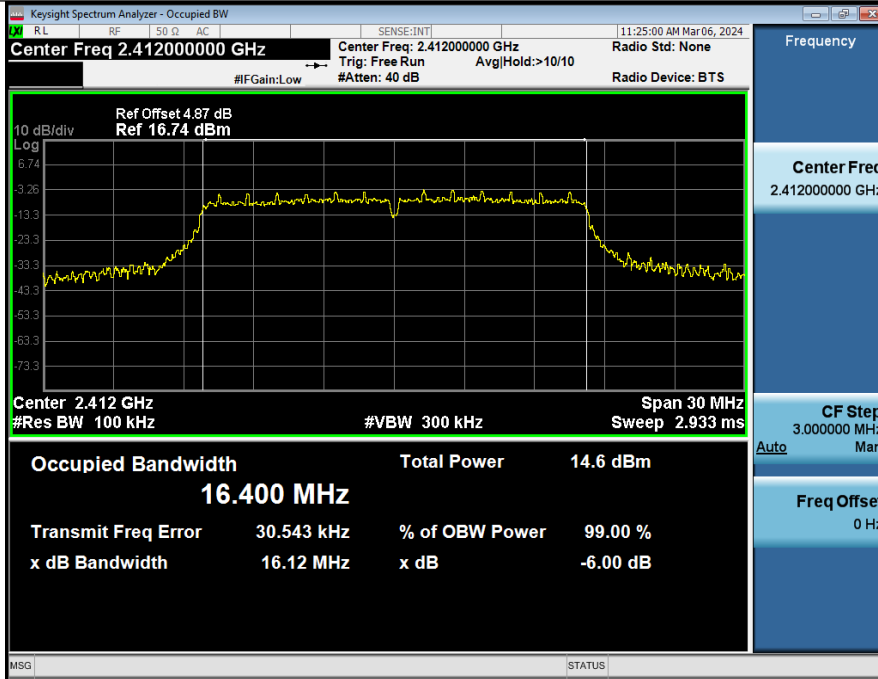
-6dB Bandwidth_NVNT_ANT1_802_11b_2437



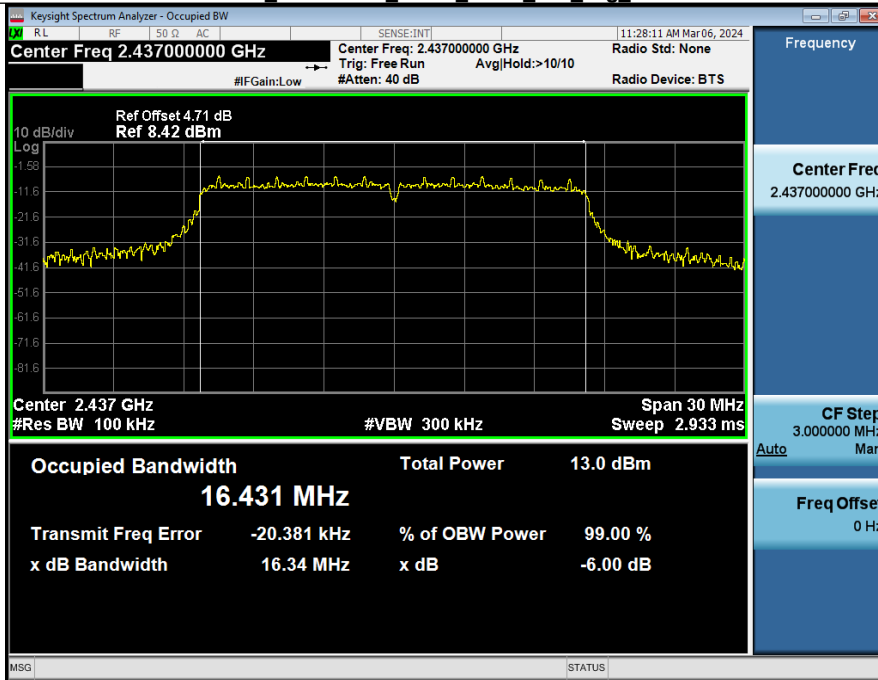
-6dB Bandwidth_NVNT_ANT1_802_11b_2462



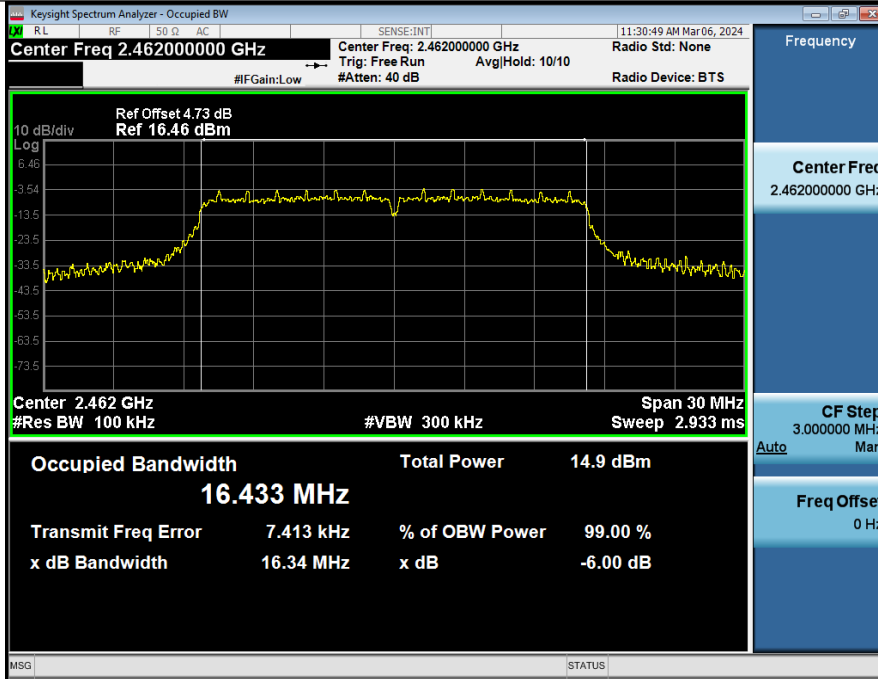
-6dB Bandwidth_NVNT_ANT1_802_11g_2412



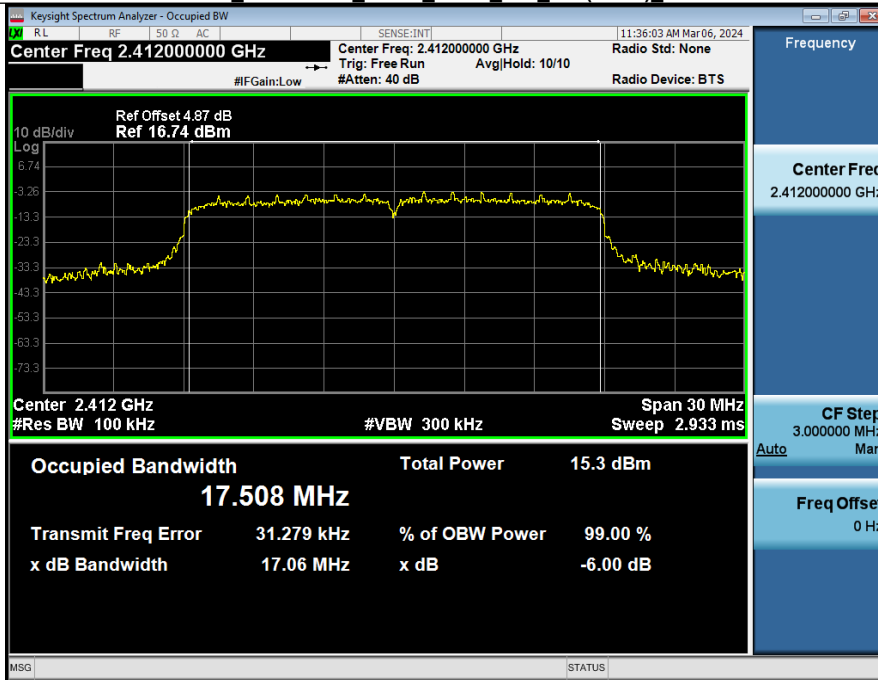
-6dB Bandwidth_NVNT_ANT1_802_11g_2437



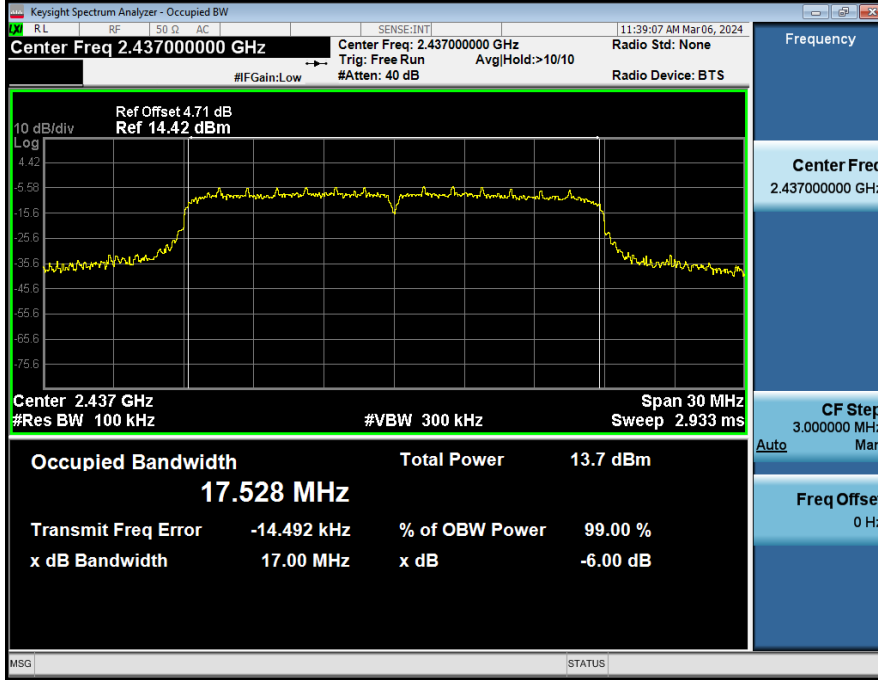
-6dB Bandwidth_NVNT_ANT1_802_11g_2462



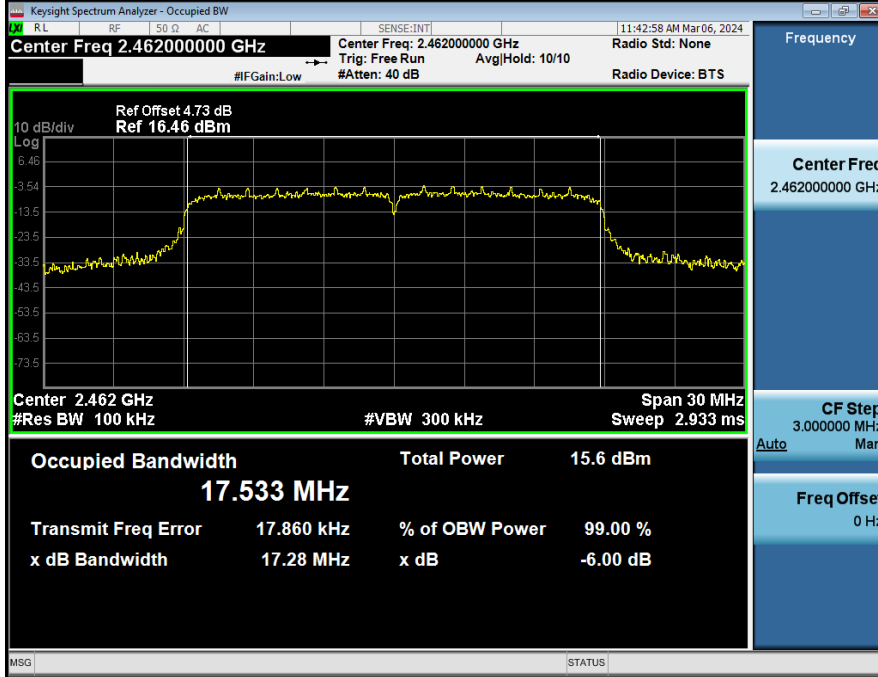
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



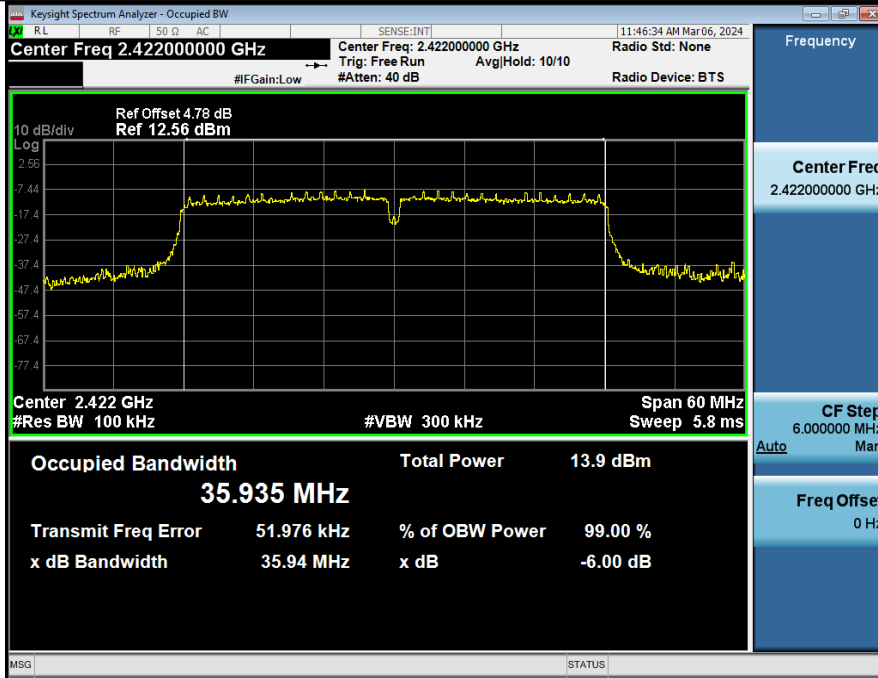
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



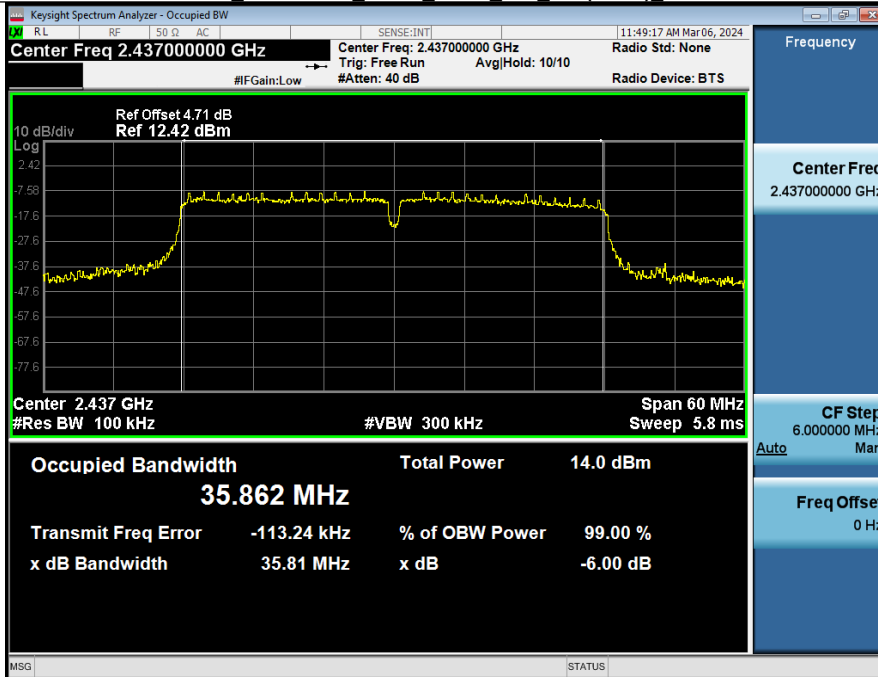
-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



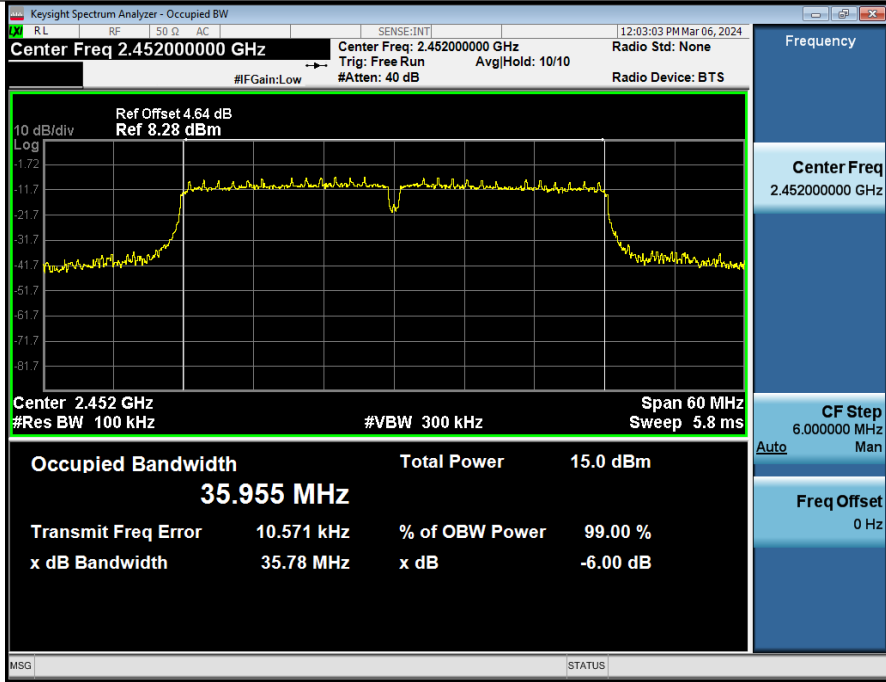
-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

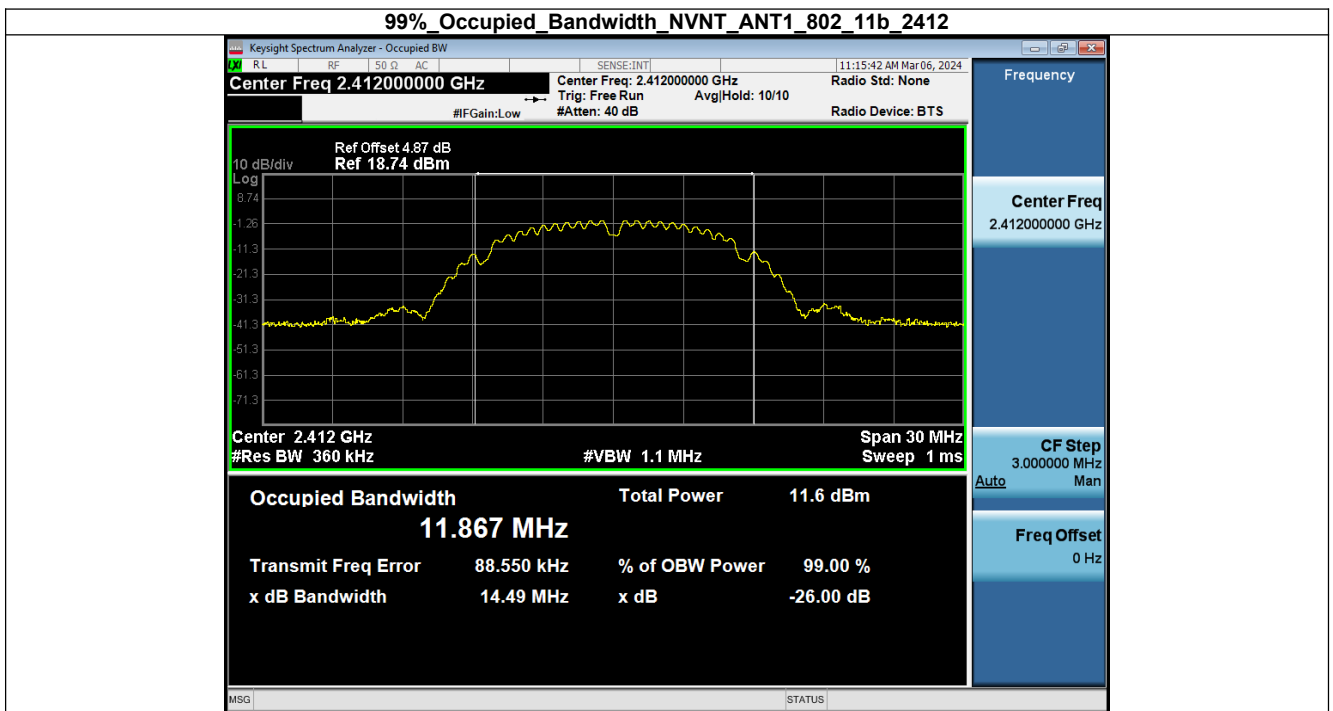


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

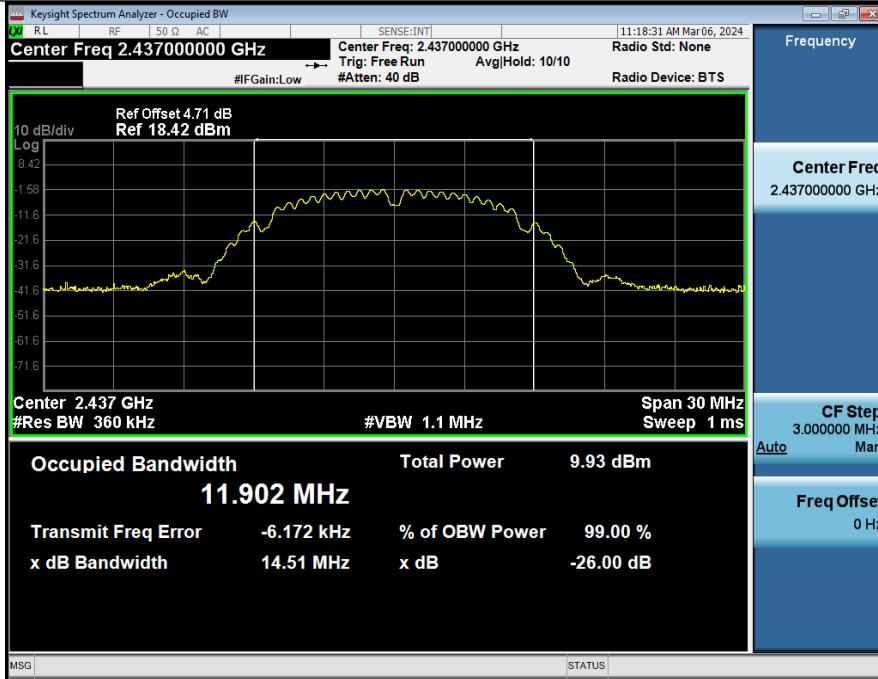


2. 99% Occupied Bandwidth

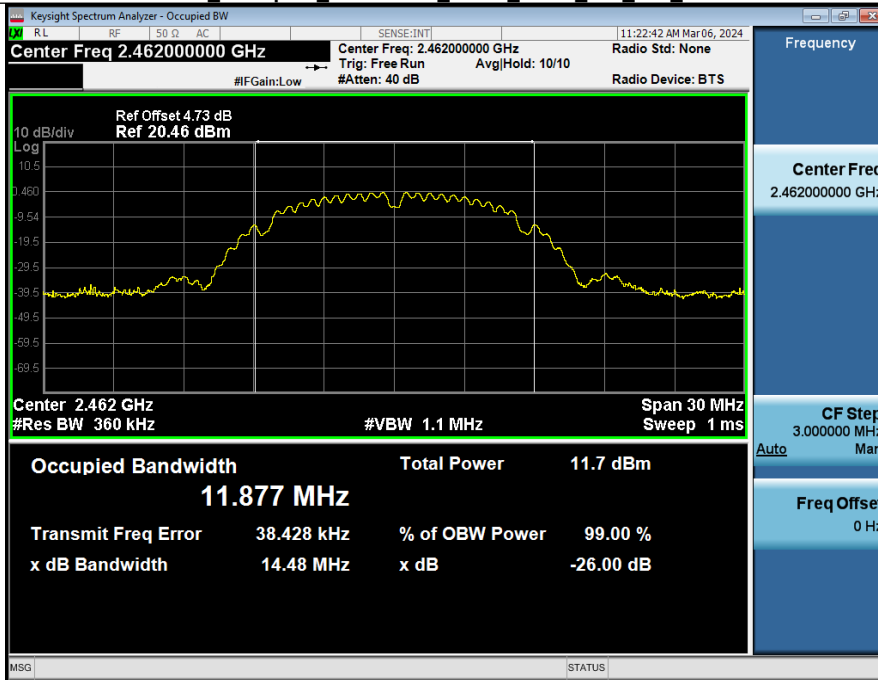
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	11.867
NVNT	ANT1	802.11b	2437.00	11.902
NVNT	ANT1	802.11b	2462.00	11.877
NVNT	ANT1	802.11g	2412.00	17.058
NVNT	ANT1	802.11g	2437.00	17.090
NVNT	ANT1	802.11g	2462.00	17.135
NVNT	ANT1	802.11n(HT20)	2412.00	17.792
NVNT	ANT1	802.11n(HT20)	2437.00	17.819
NVNT	ANT1	802.11n(HT20)	2462.00	17.865
NVNT	ANT1	802.11n(HT40)	2422.00	36.399
NVNT	ANT1	802.11n(HT40)	2437.00	36.332
NVNT	ANT1	802.11n(HT40)	2452.00	36.398



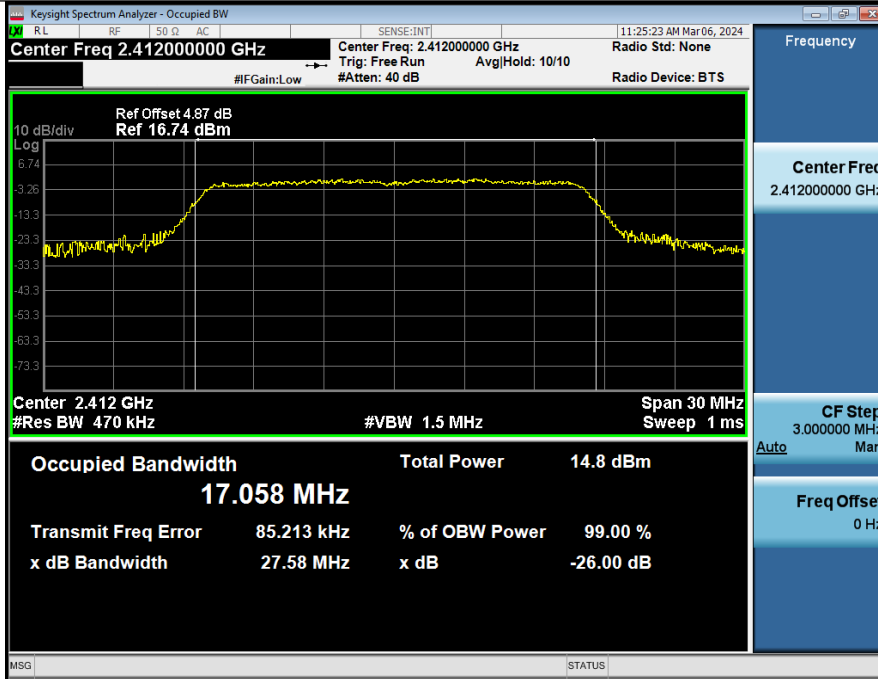
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



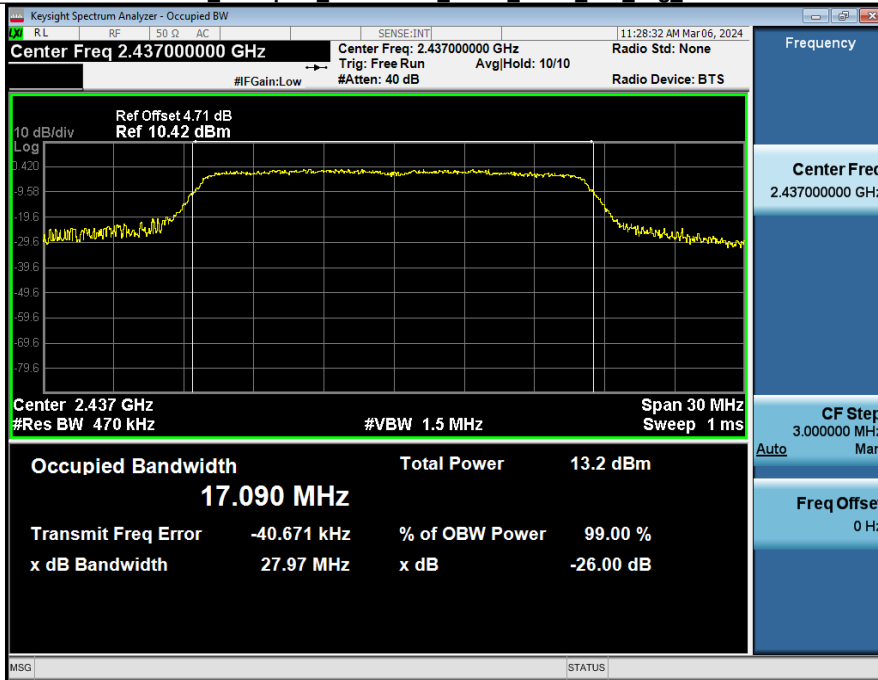
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



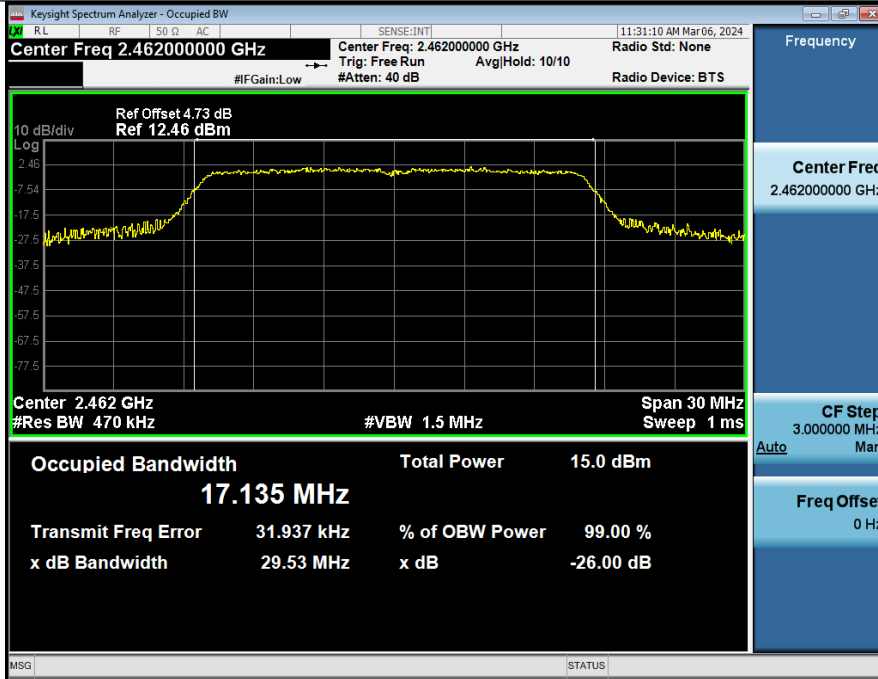
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



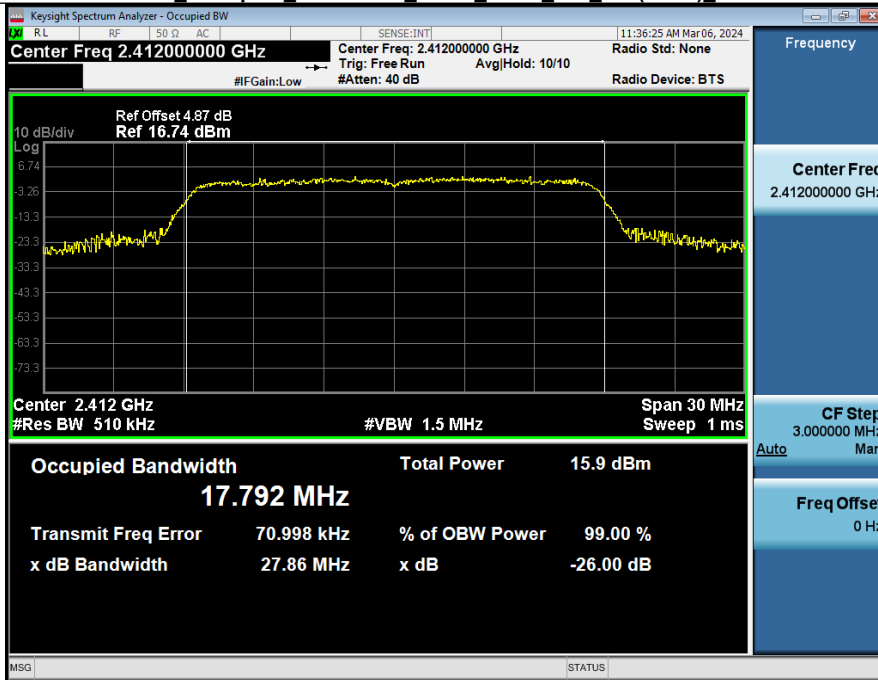
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



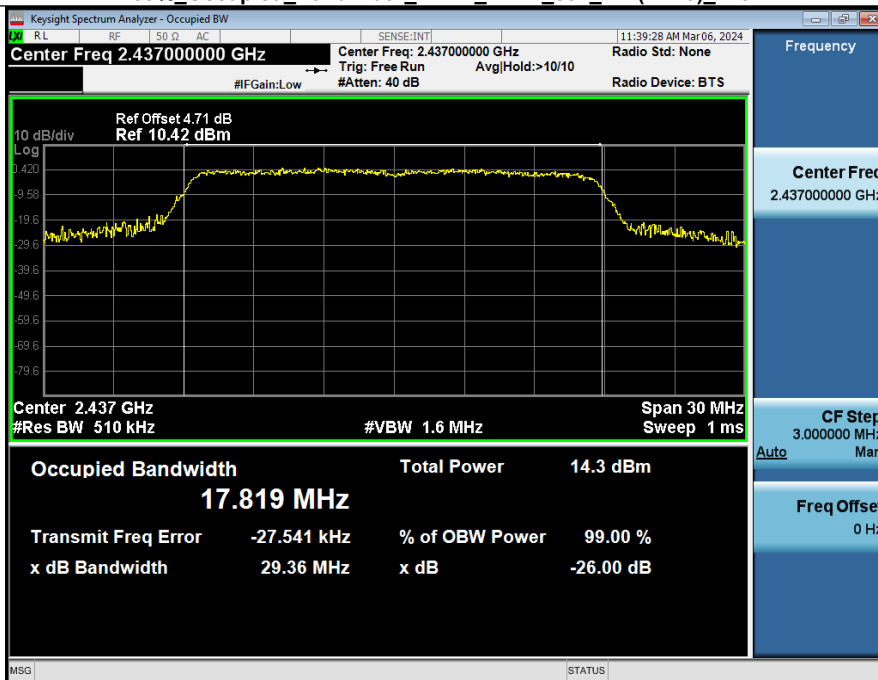
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462



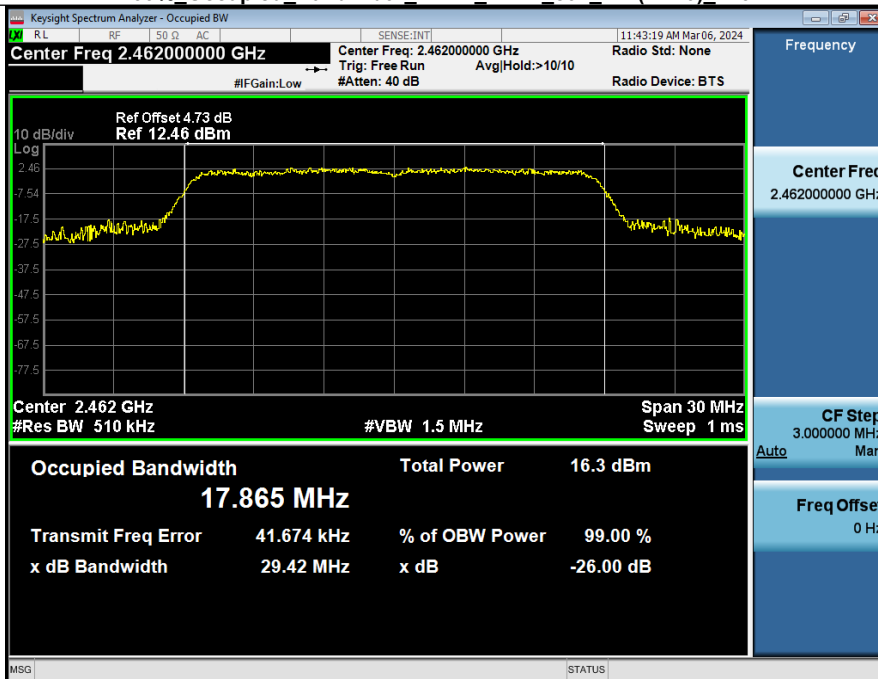
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



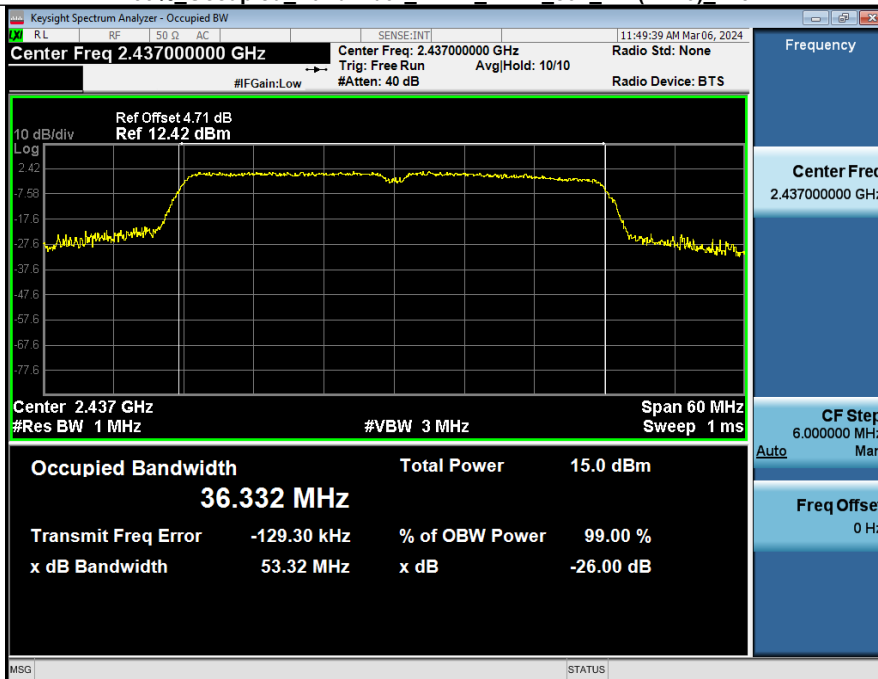
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



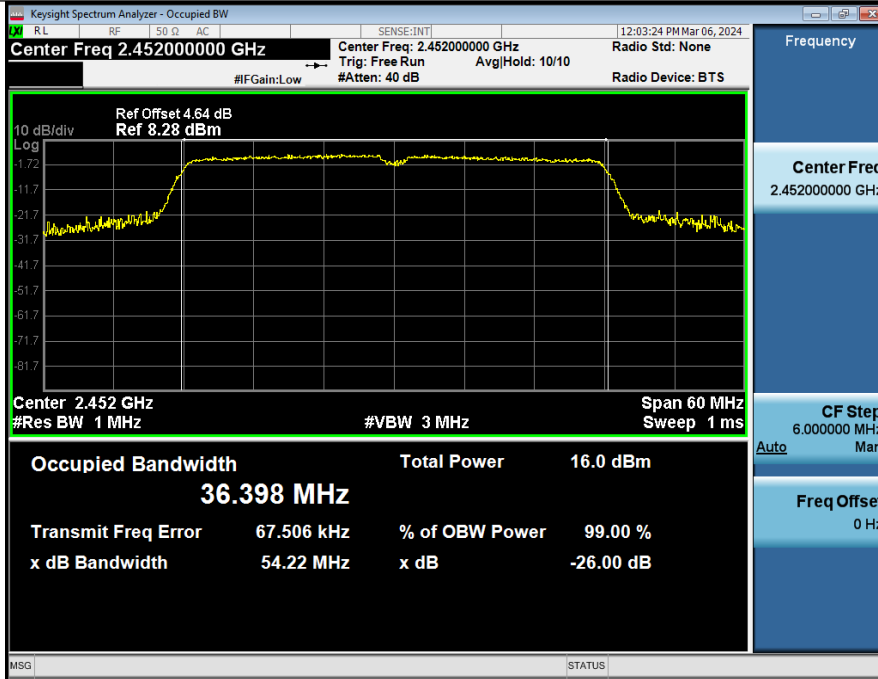
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

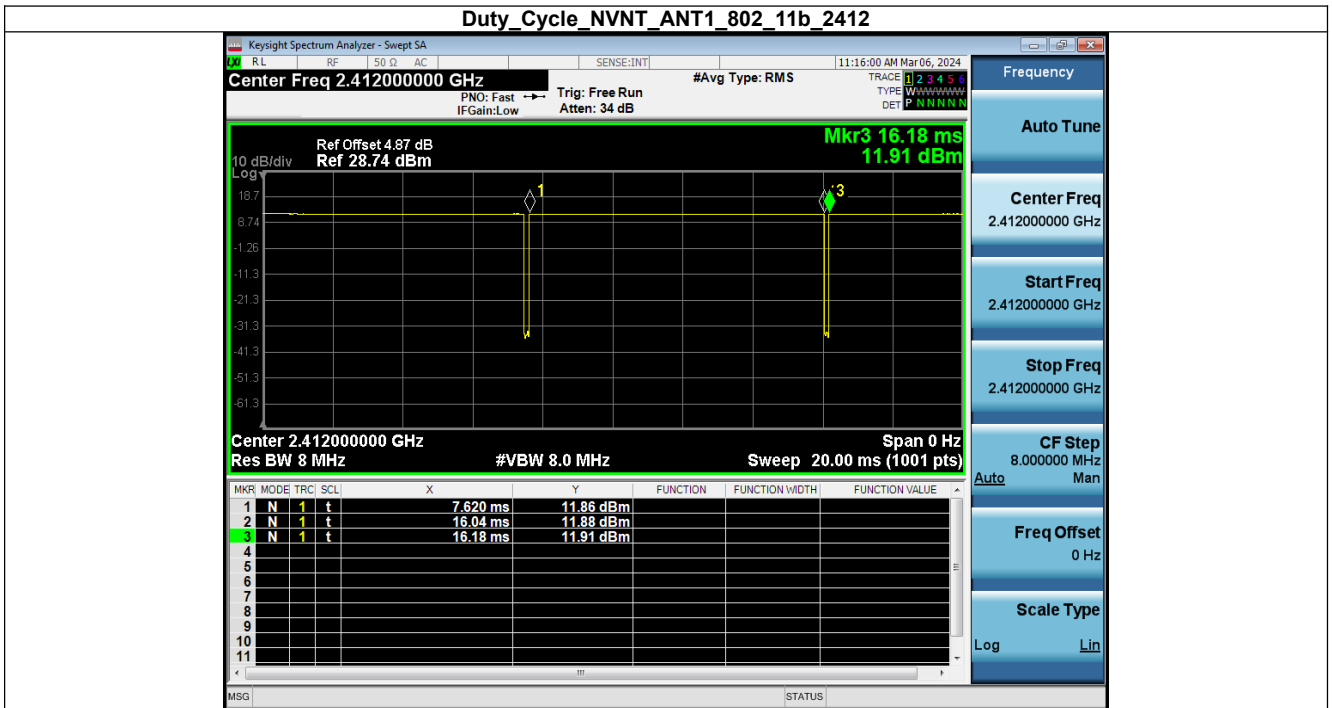


99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

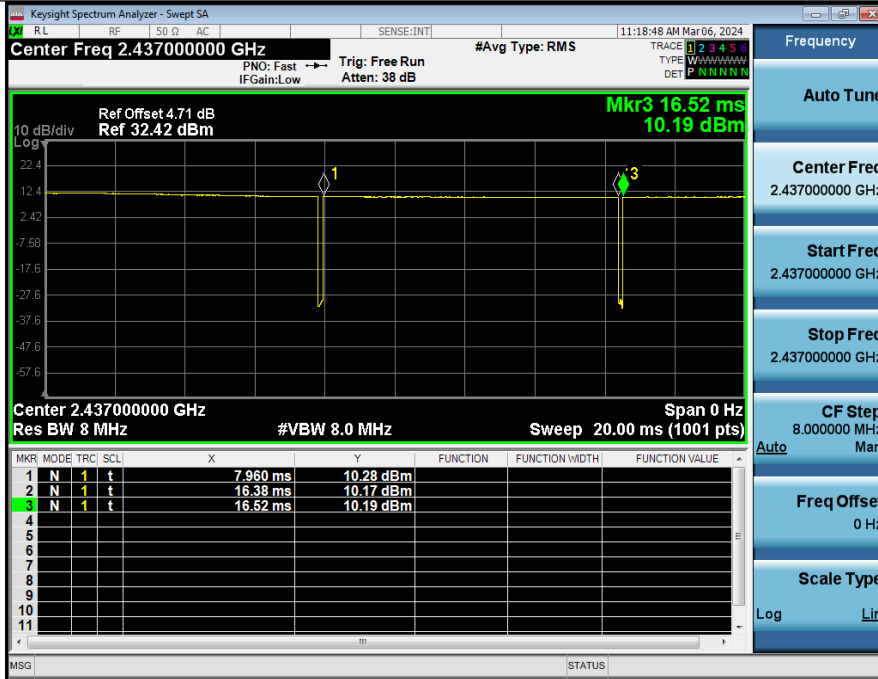


3. Duty Cycle

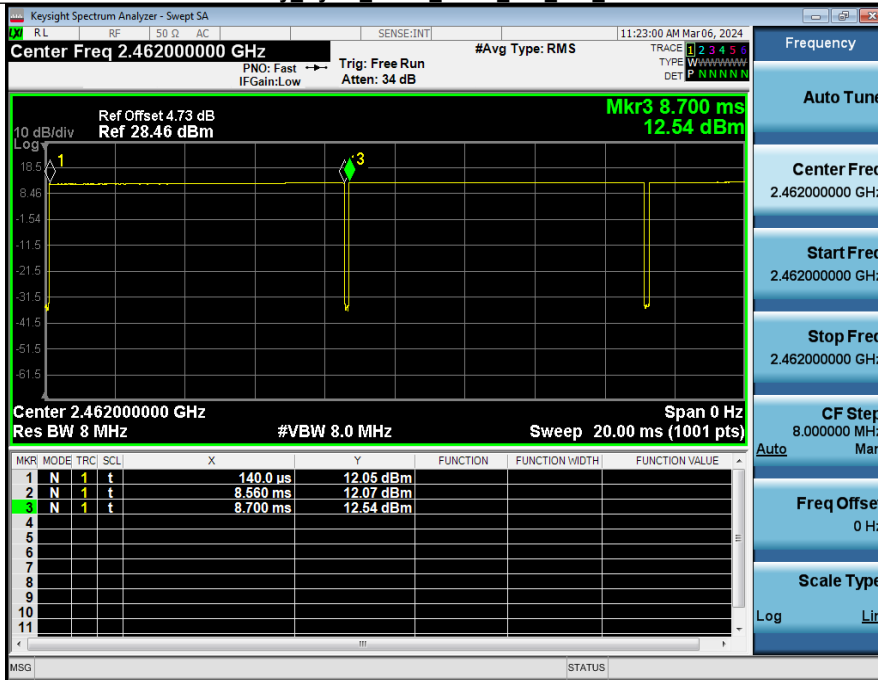
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.60	0.00
NVNT	ANT1	802.11b	2437.00	98.60	0.00
NVNT	ANT1	802.11b	2462.00	98.36	0.00
NVNT	ANT1	802.11g	2412.00	91.03	0.41
NVNT	ANT1	802.11g	2437.00	92.21	0.35
NVNT	ANT1	802.11g	2462.00	91.03	0.41
NVNT	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	83.78	0.77
NVNT	ANT1	802.11n(HT40)	2452.00	78.38	1.06



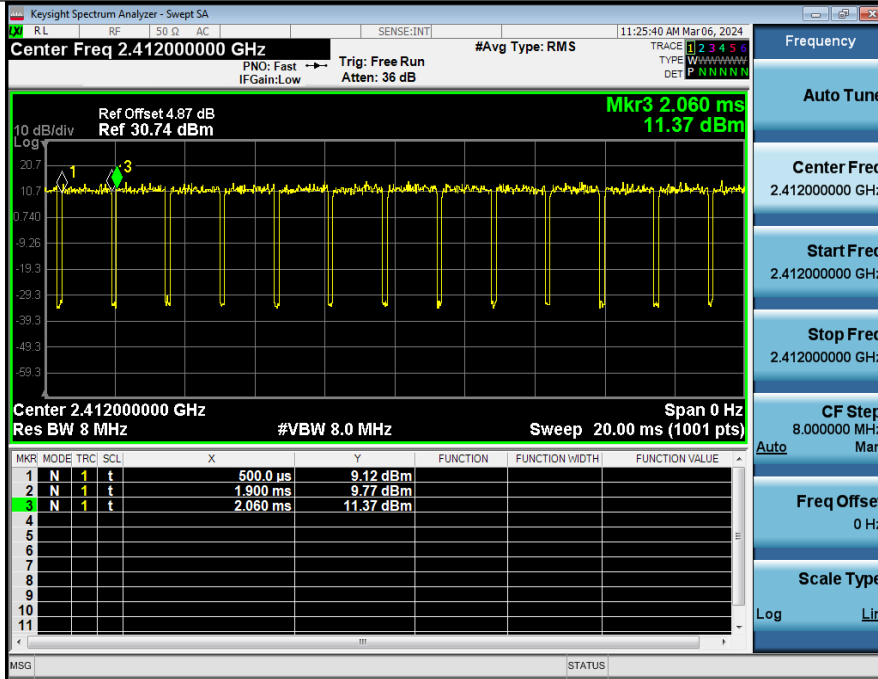
Duty Cycle NVNT_ANT1_802_11b_2437



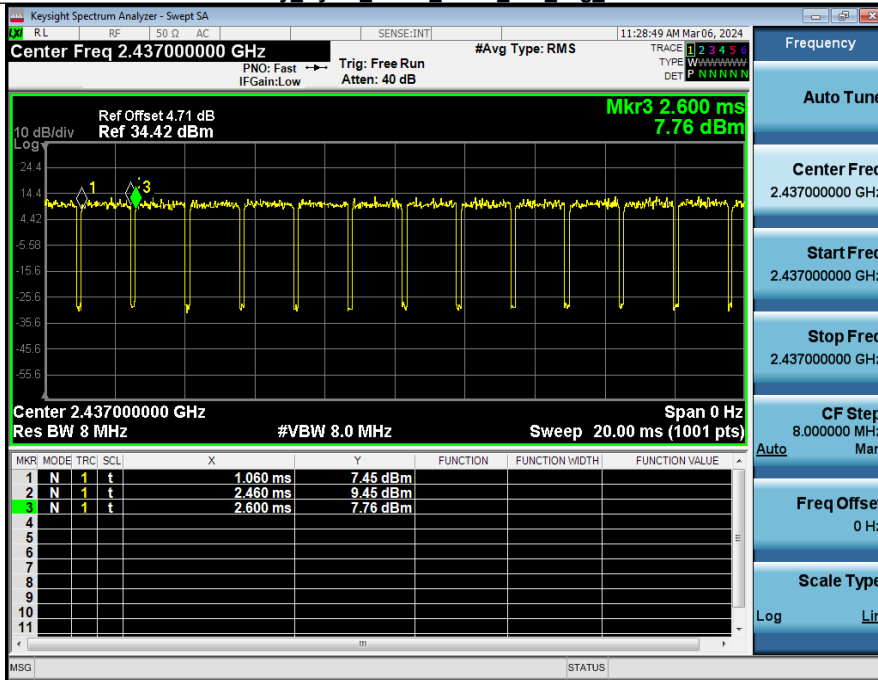
Duty Cycle NVNT_ANT1_802_11b_2462



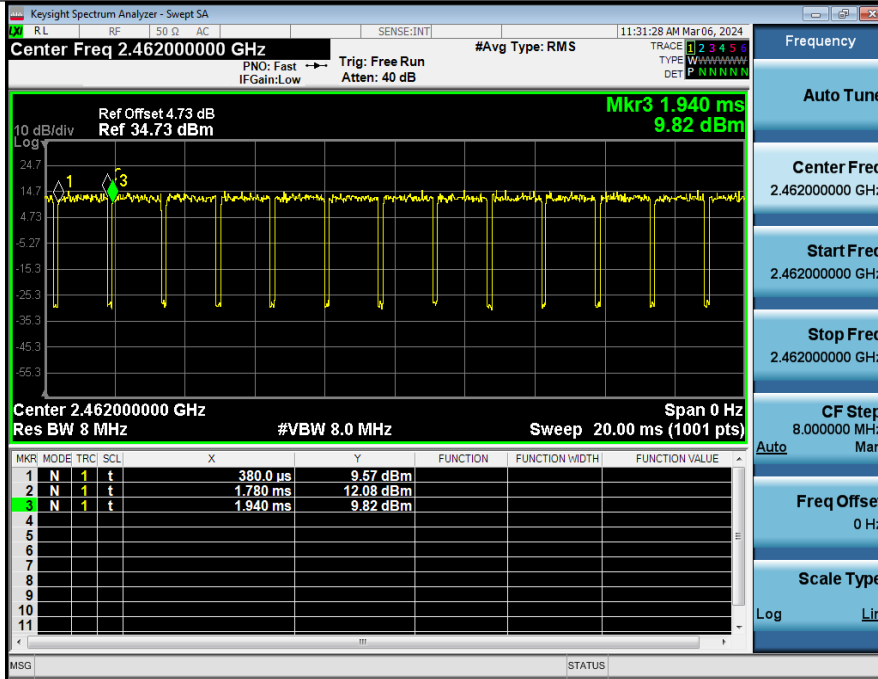
Duty Cycle NVNT_ANT1_802_11g_2412



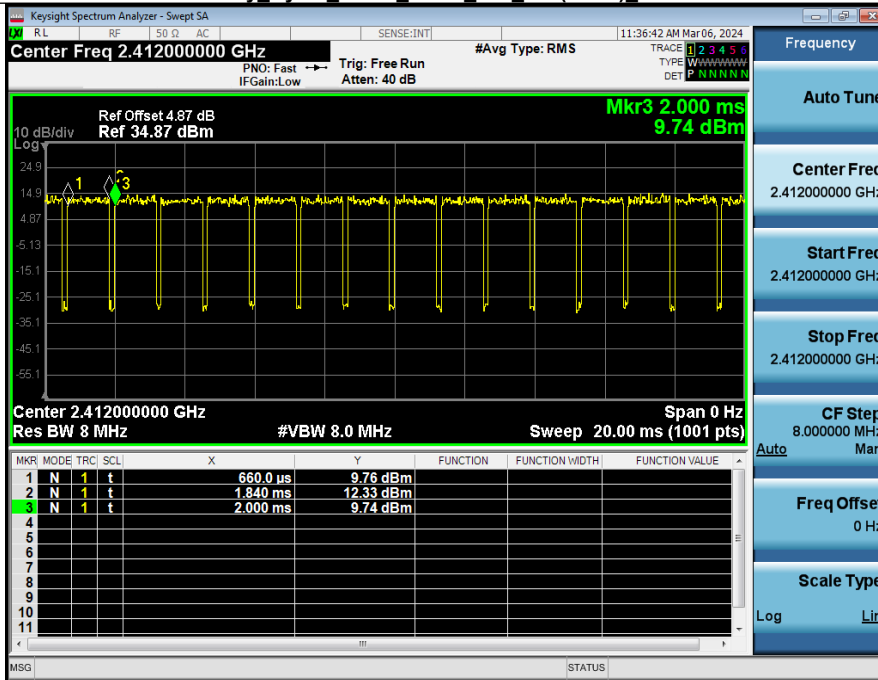
Duty Cycle NVNT_ANT1_802_11g_2437



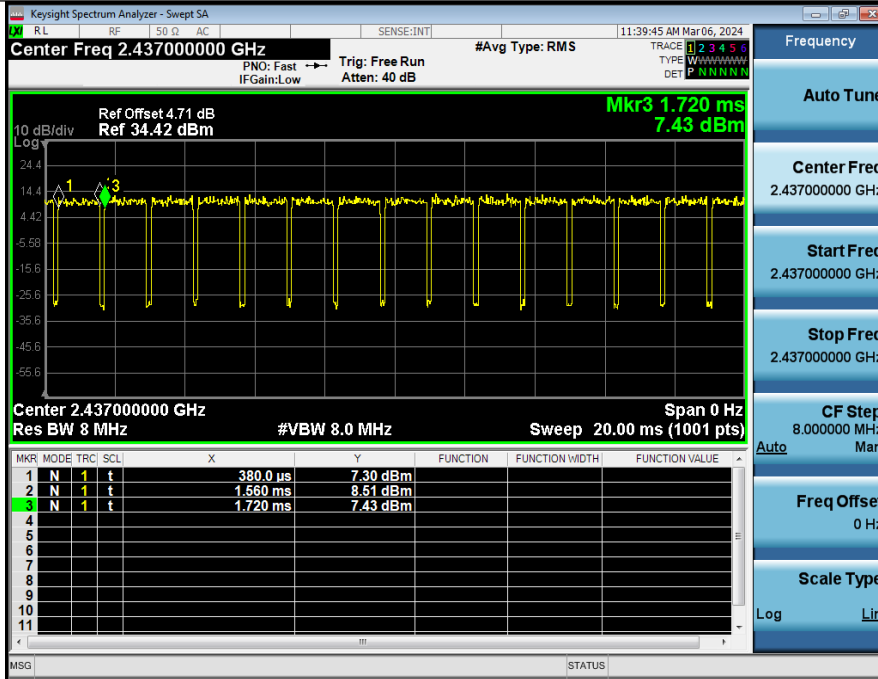
Duty Cycle NVNT_ANT1_802_11g_2462



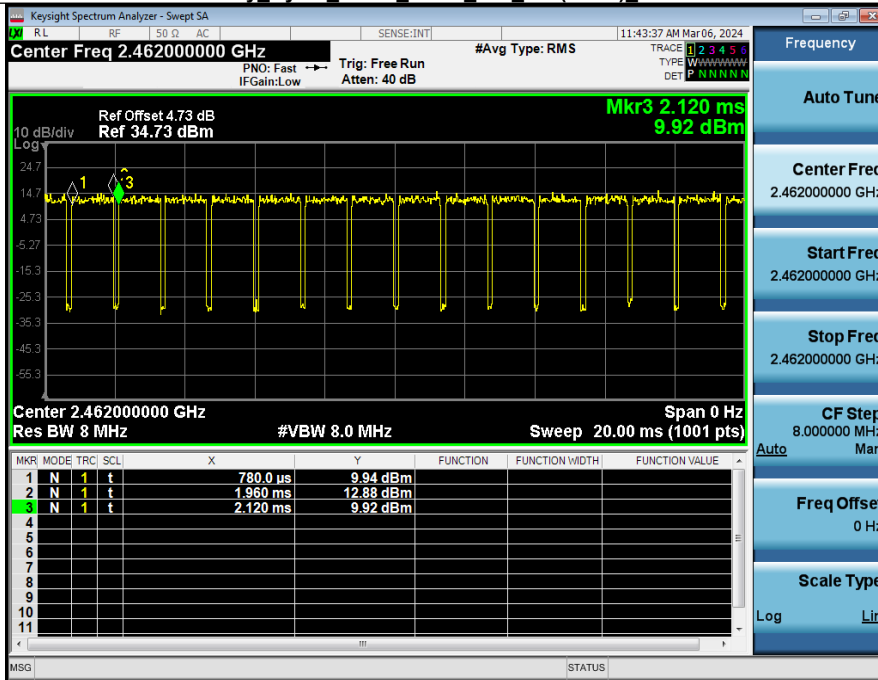
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



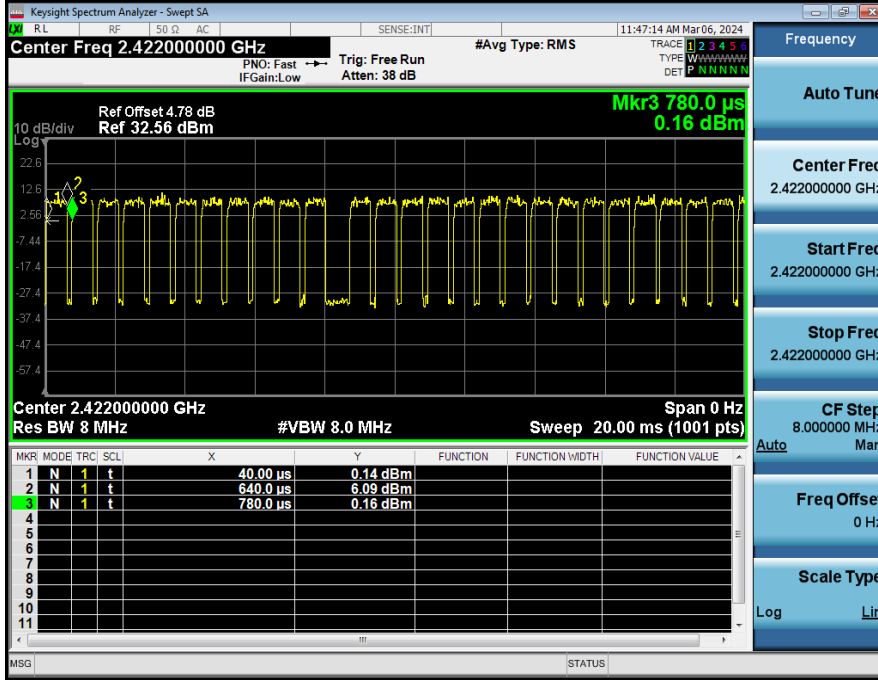
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



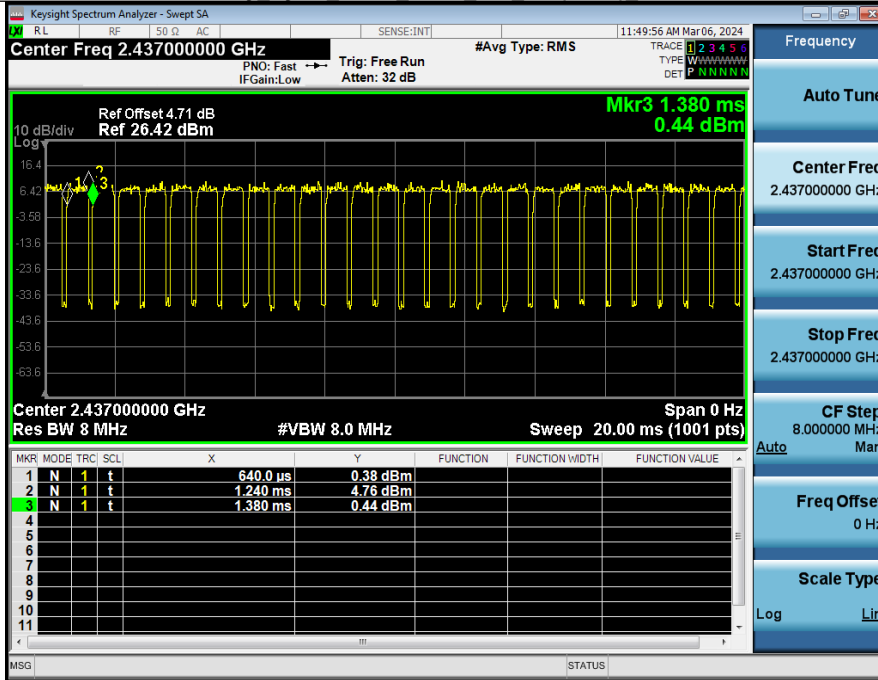
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



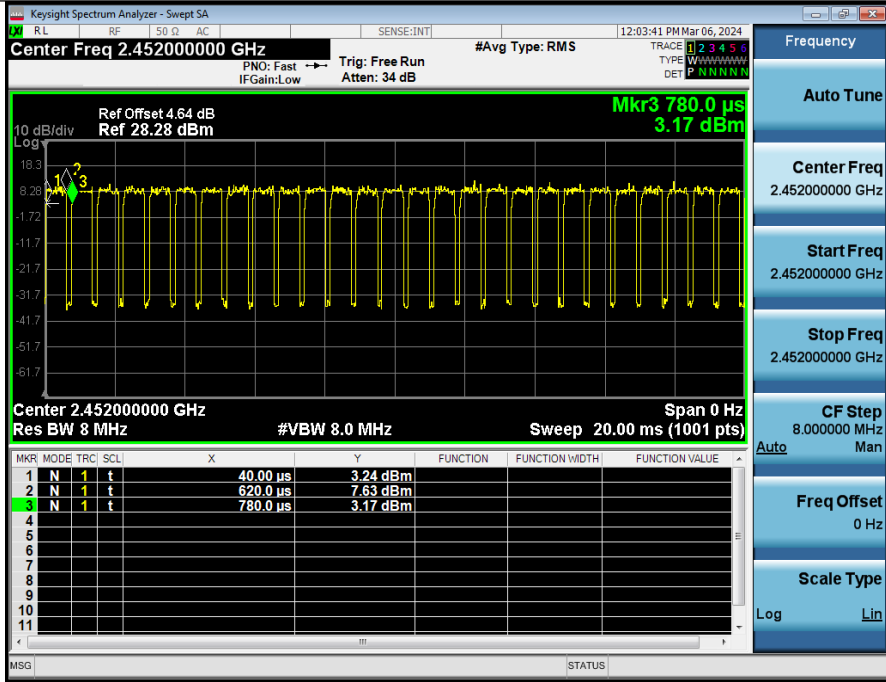
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437

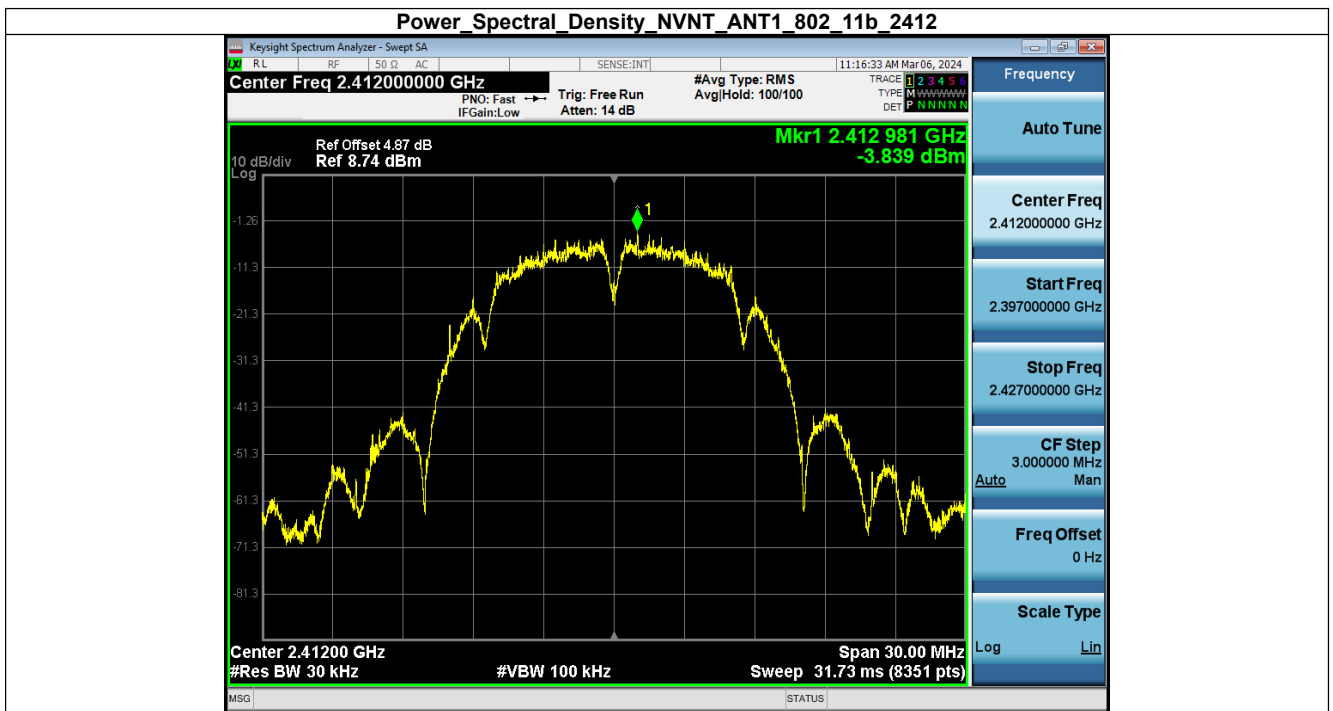


Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



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	-3.84	-10.00	-13.84	8	Pass
NVNT	ANT1	802.11b	2437.00	-2.95	-10.00	-12.95	8	Pass
NVNT	ANT1	802.11b	2462.00	-4.28	-10.00	-14.28	8	Pass
NVNT	ANT1	802.11g	2412.00	-8.52	-10.00	-18.52	8	Pass
NVNT	ANT1	802.11g	2437.00	-9.50	-10.00	-19.50	8	Pass
NVNT	ANT1	802.11g	2462.00	-7.96	-10.00	-17.96	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-8.10	-10.00	-18.10	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-9.69	-10.00	-19.69	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-7.80	-10.00	-17.80	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-12.67	-10.00	-22.67	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-12.74	-10.00	-22.74	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-11.44	-10.00	-21.44	8	Pass



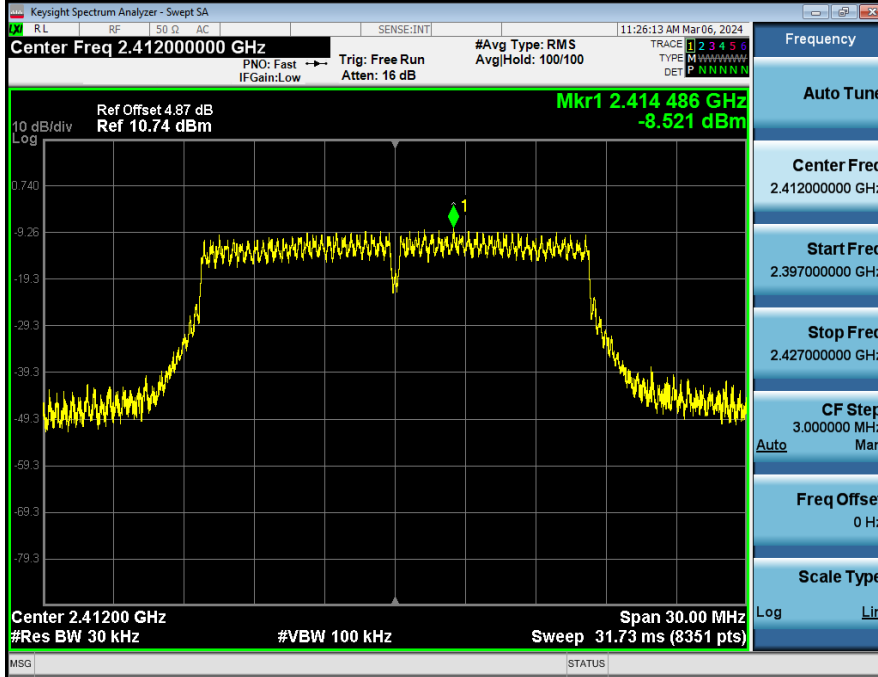
Power Spectral Density_NVNT_ANT1_802_11b_2437



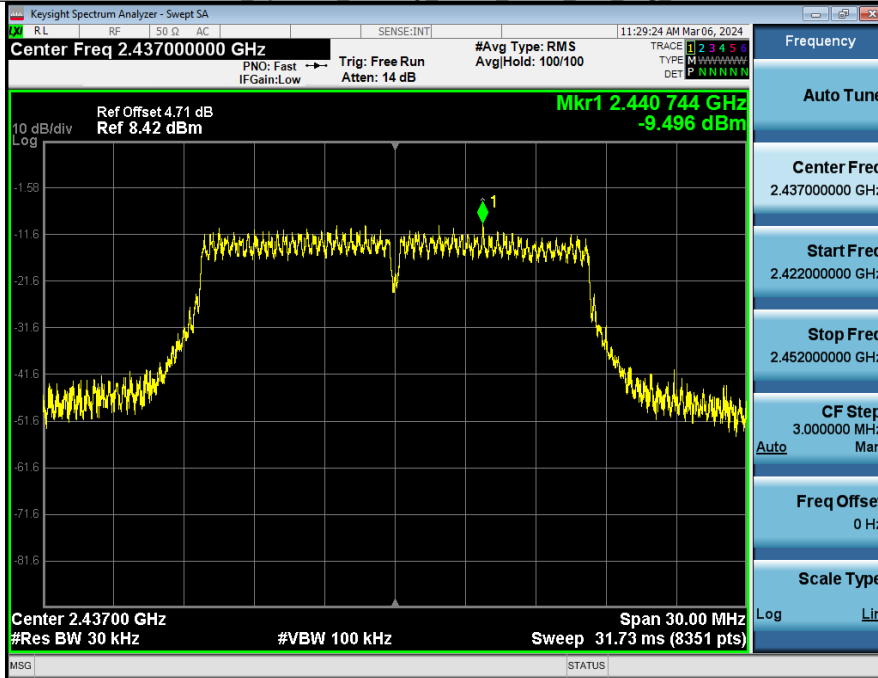
Power Spectral Density_NVNT_ANT1_802_11b_2462



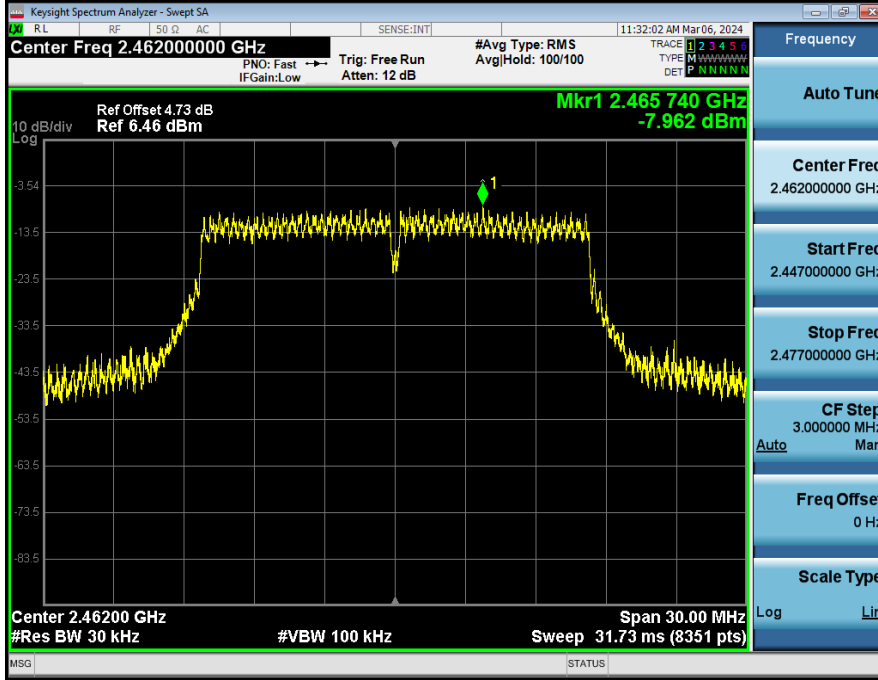
Power Spectral Density_NVNT_ANT1_802_11g_2412



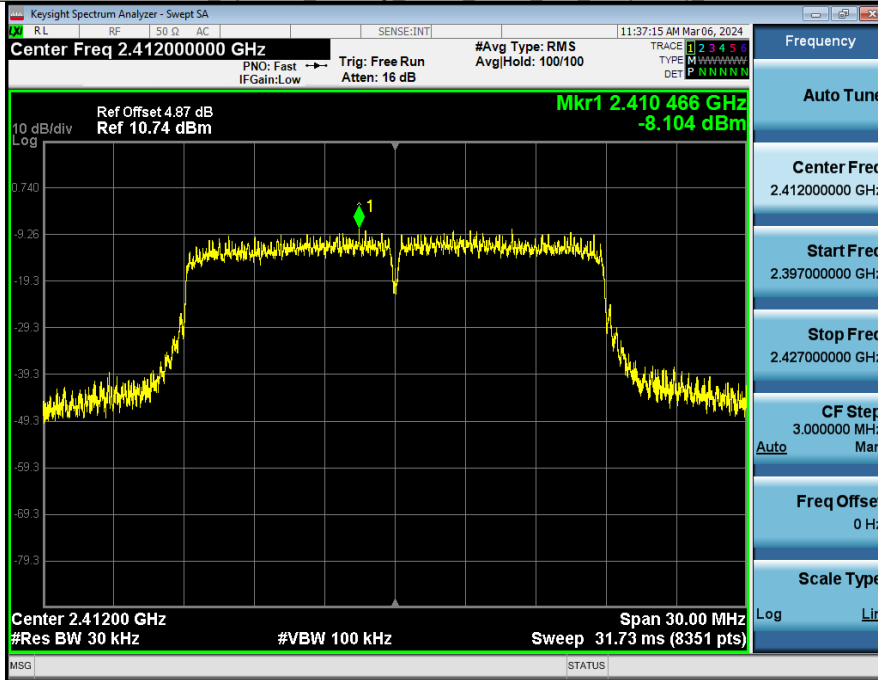
Power Spectral Density_NVNT_ANT1_802_11g_2437



Power Spectral Density_NVNT_ANT1_802_11g_2462



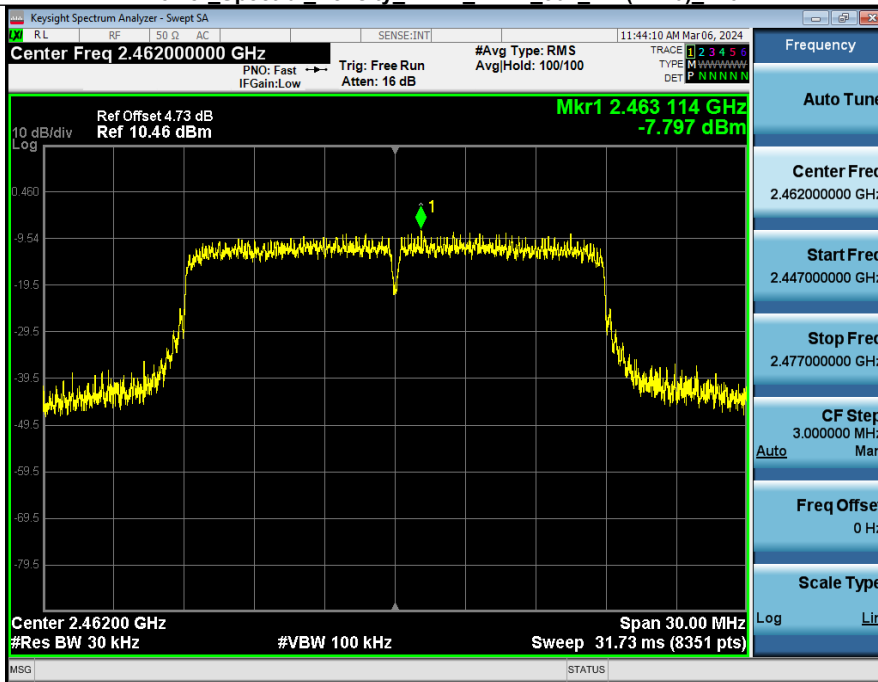
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



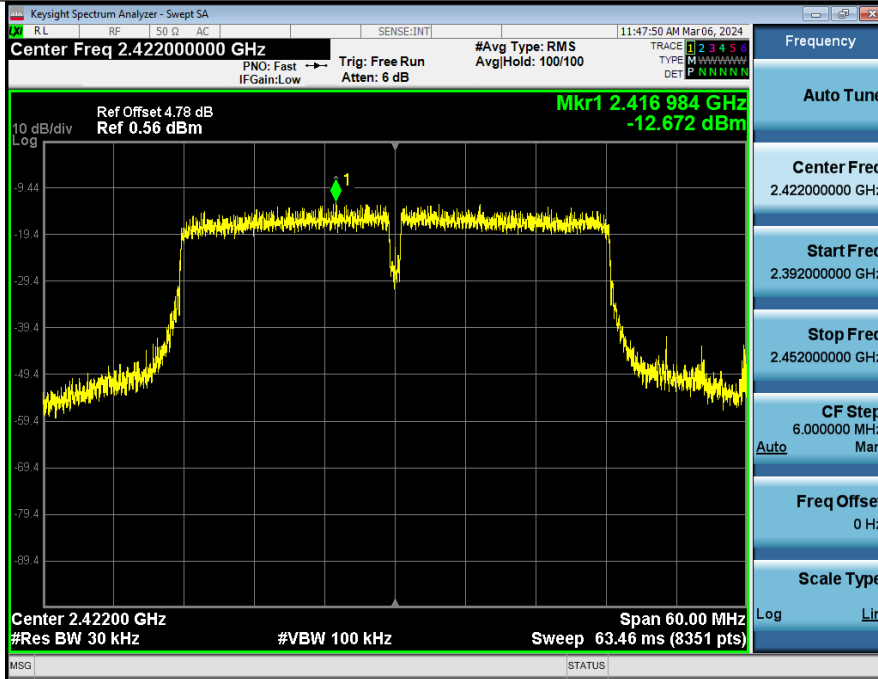
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



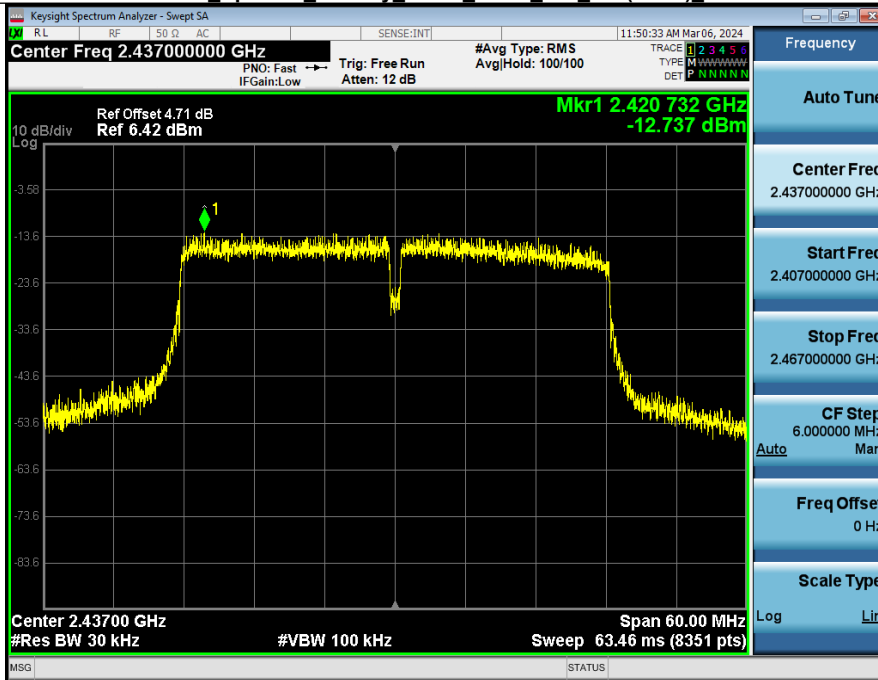
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



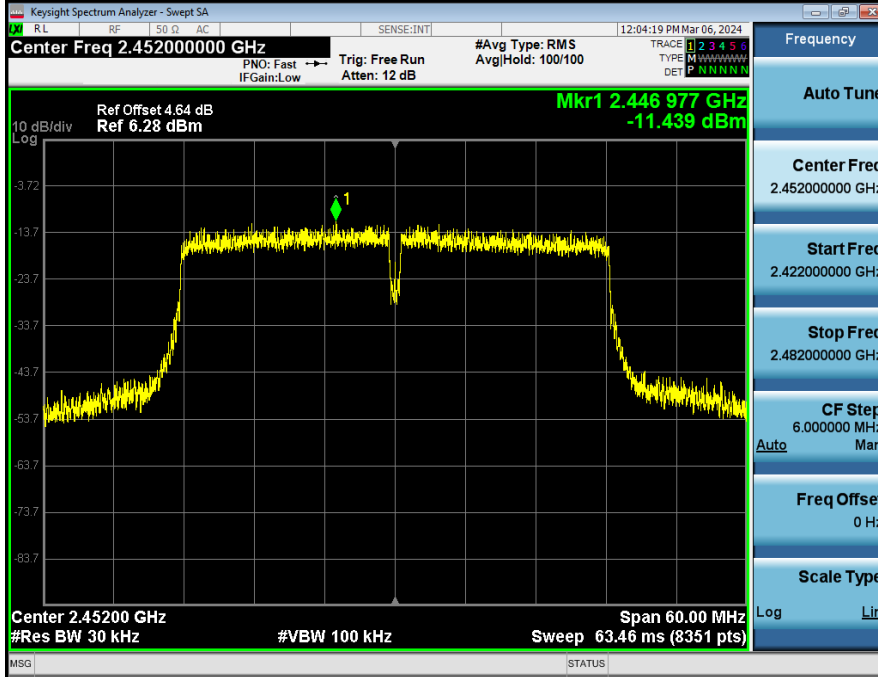
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2437



Power Spectral Density NVNT_ANT1_802_11n(HT40)_2452



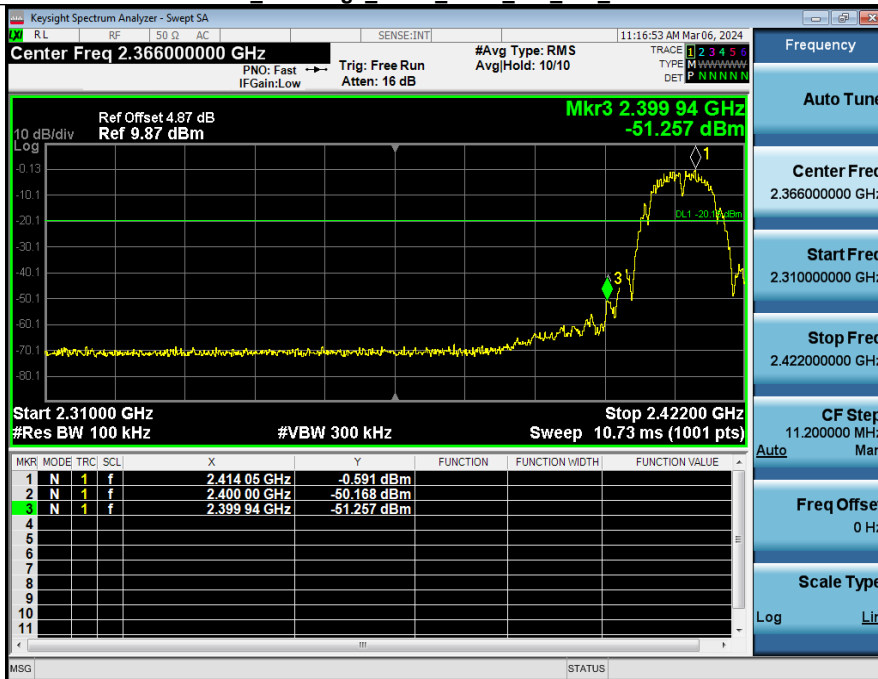
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.936	-51.257	-20.148	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	-57.612	-20.512	Pass
NVNT	ANT1	802.11g	2412.00	2398.928	-35.486	-23.937	Pass
NVNT	ANT1	802.11g	2462.00	2483.728	-45.413	-23.452	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-31.909	-23.294	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.824	-43.872	-23.255	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-38.898	-27.679	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-43.225	-26.918	Pass

1 Reference Level NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



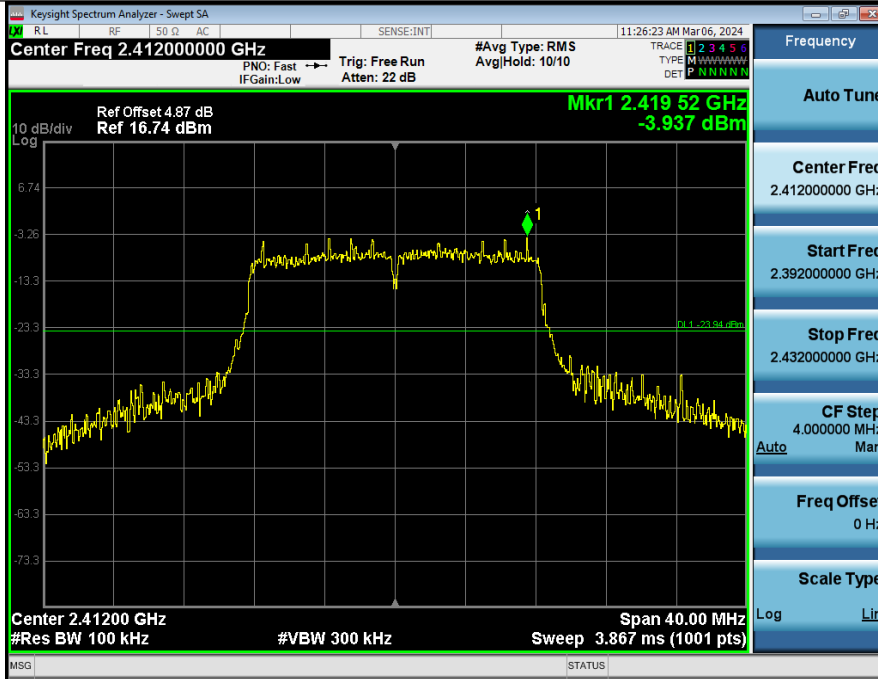
1 Reference Level_NVNT_ANT1_802_11b_2462



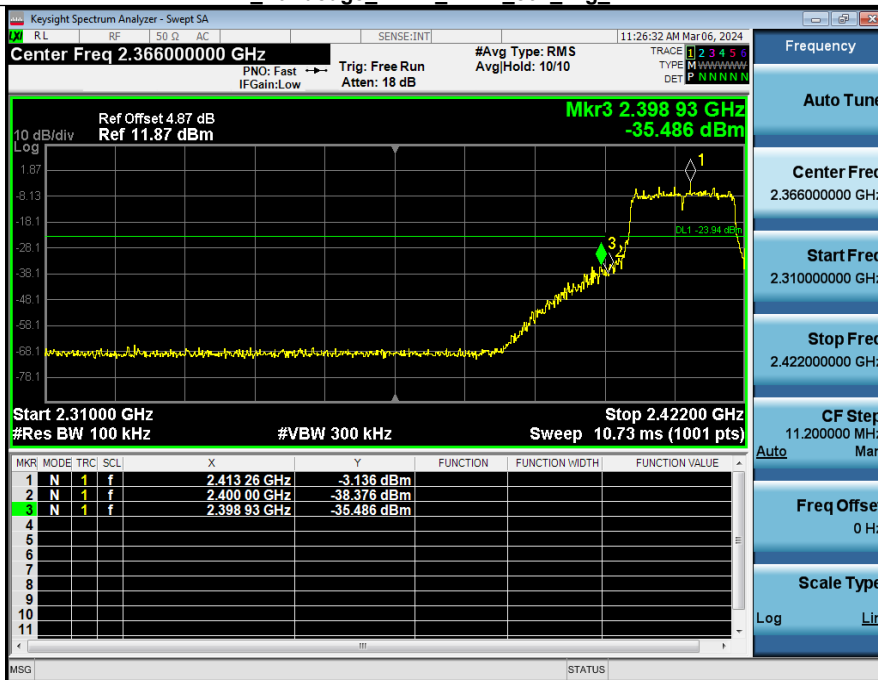
2 Bandedge_NVNT_ANT1_802_11b_2462



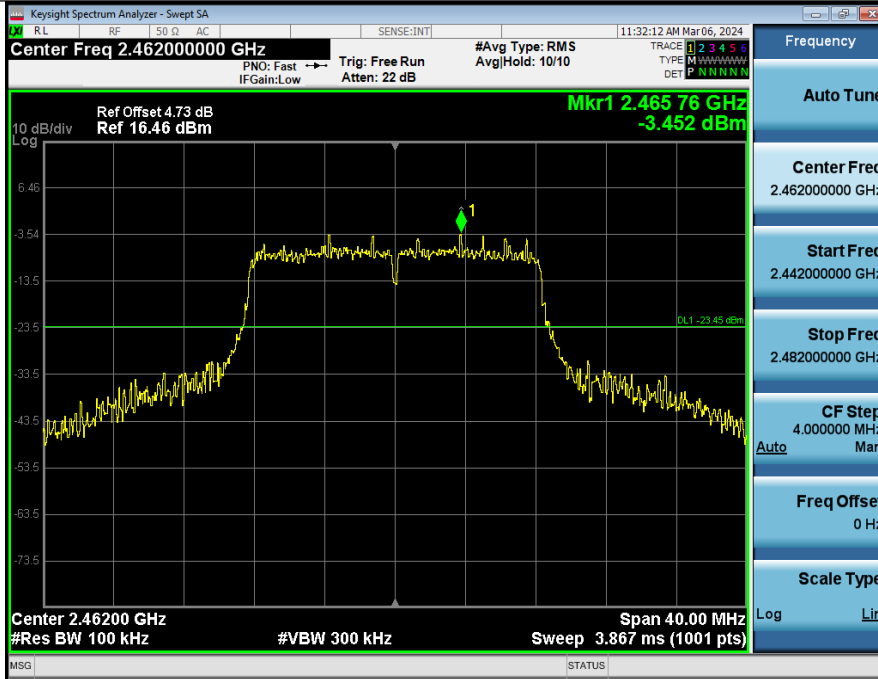
1 Reference_Level_NVNT_ANT1_802_11g_2412



2 Bandedge_NVNT_ANT1_802_11g_2412



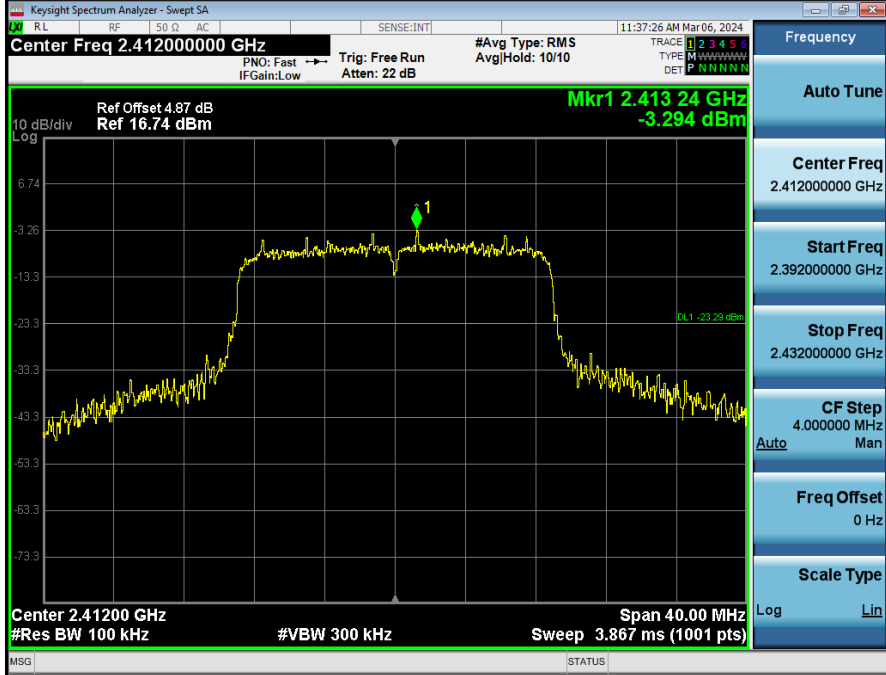
1 Reference Level NVNT_ANT1_802_11g_2462



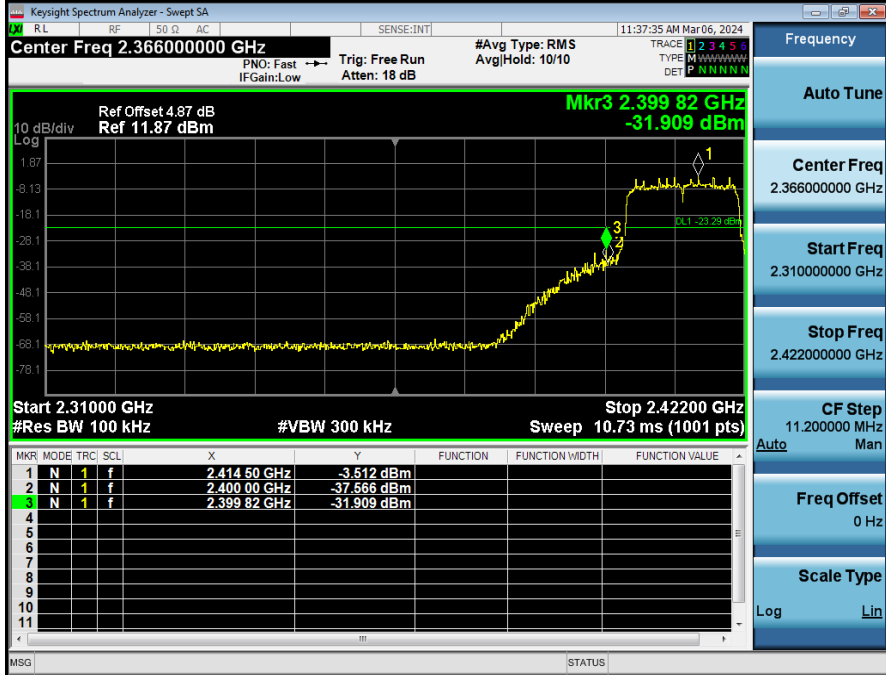
2 Bandedge NVNT_ANT1_802_11g_2462



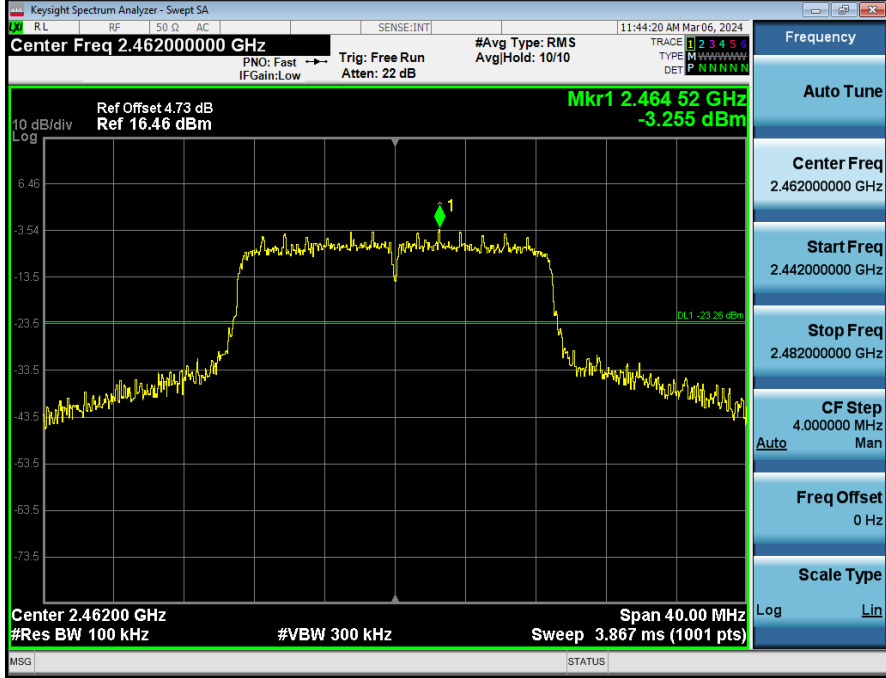
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



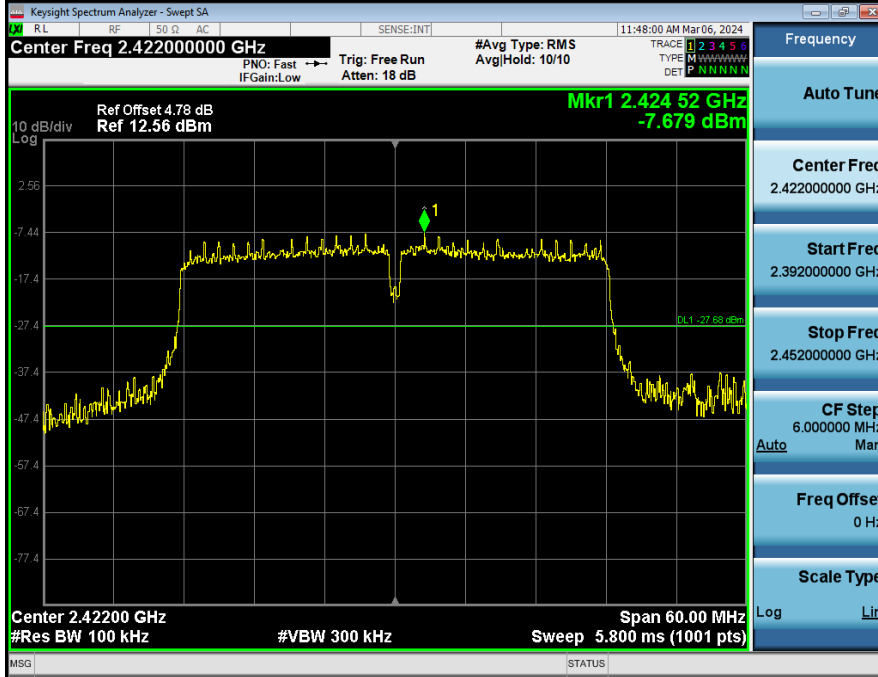
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



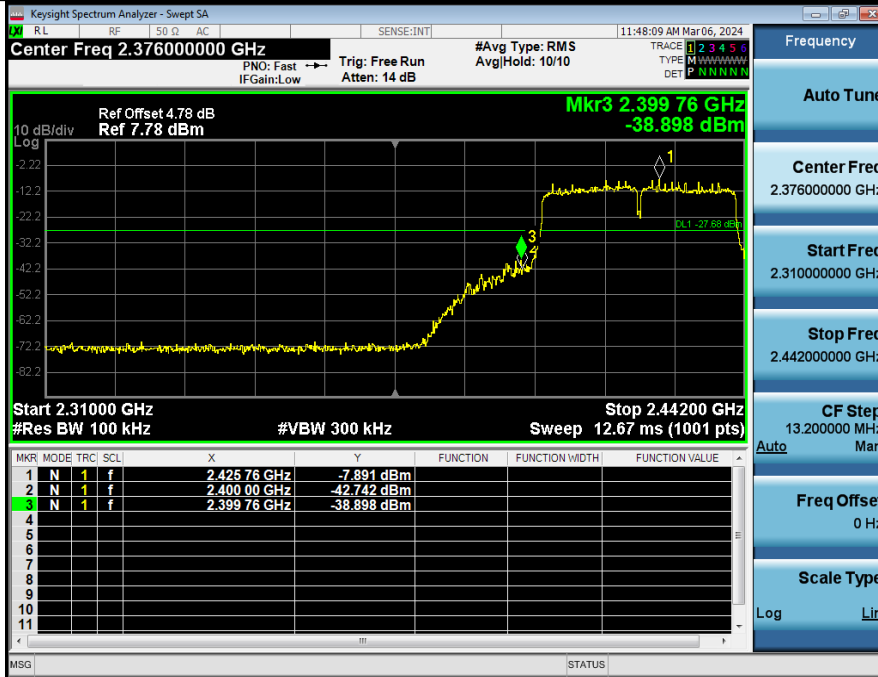
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



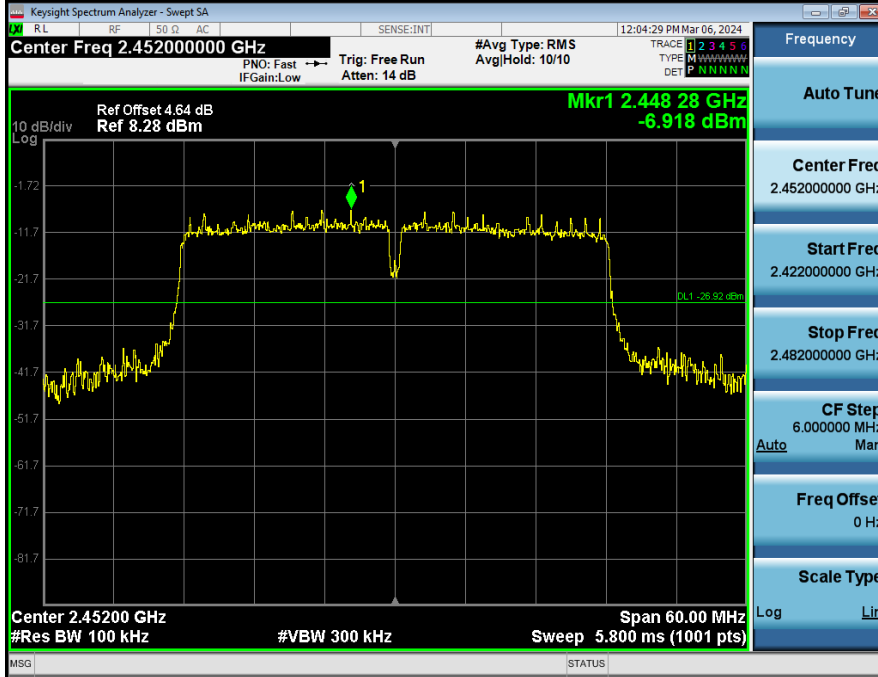
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



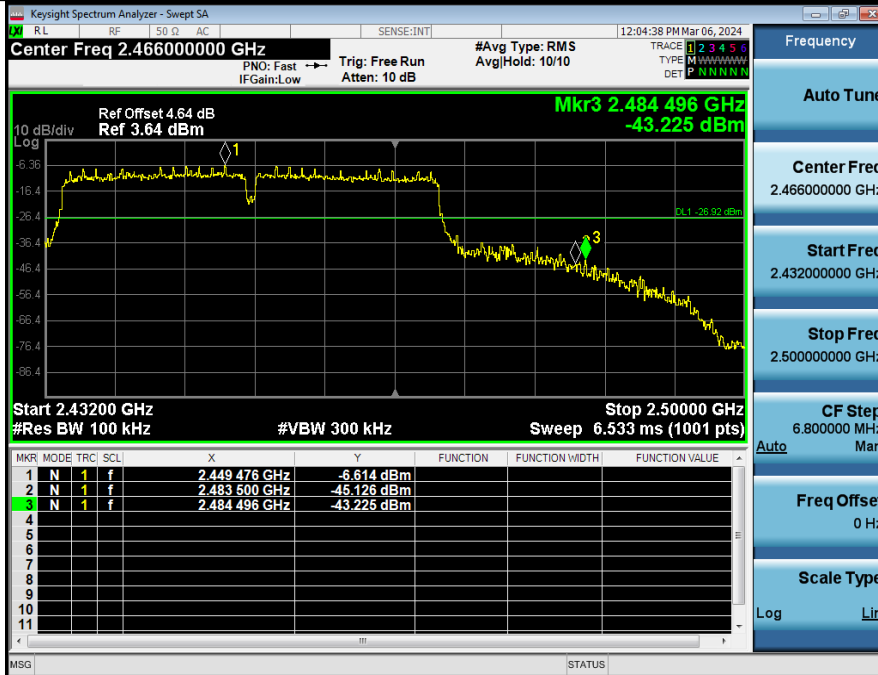
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

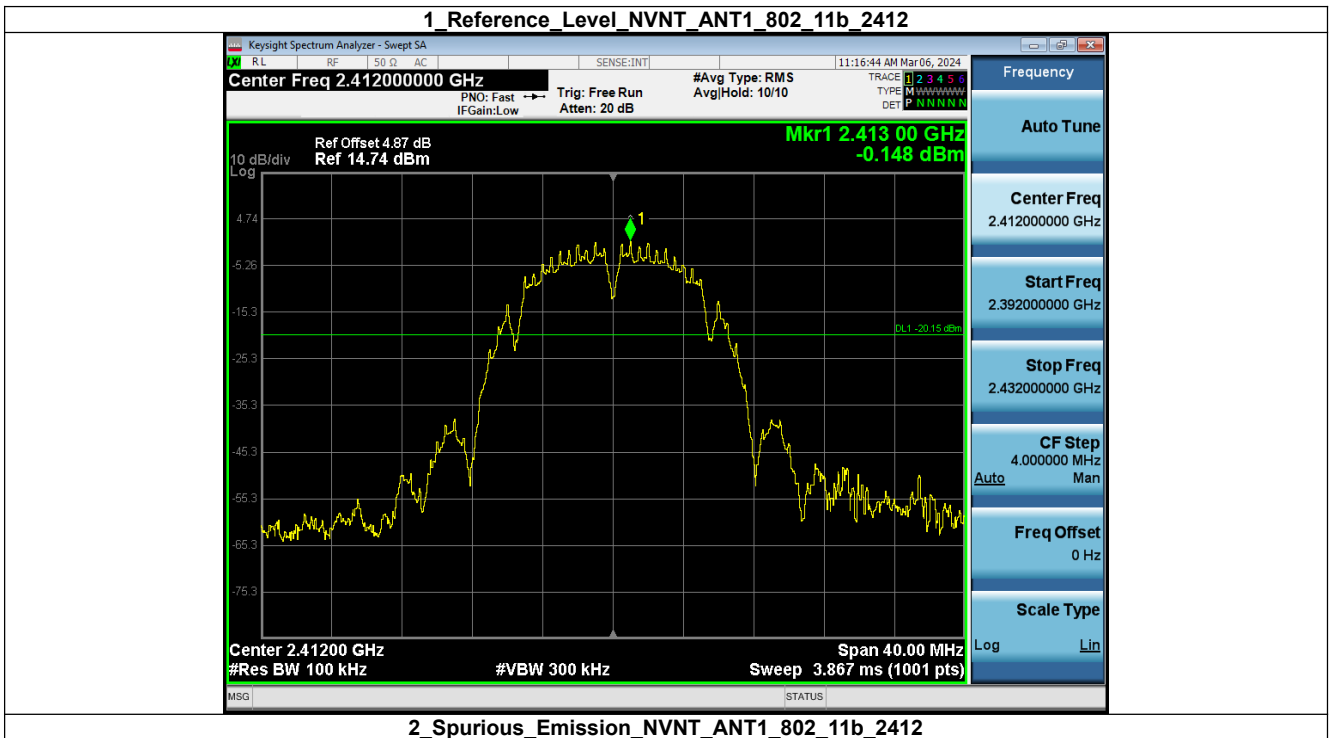


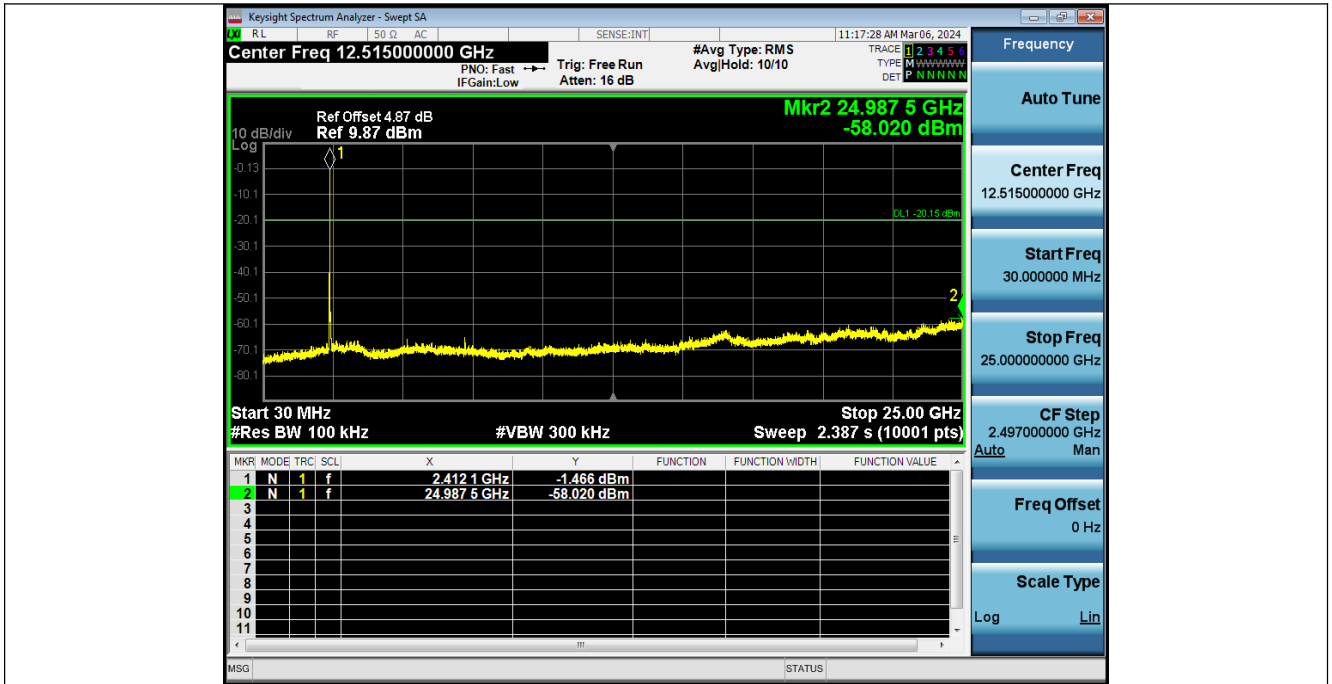
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



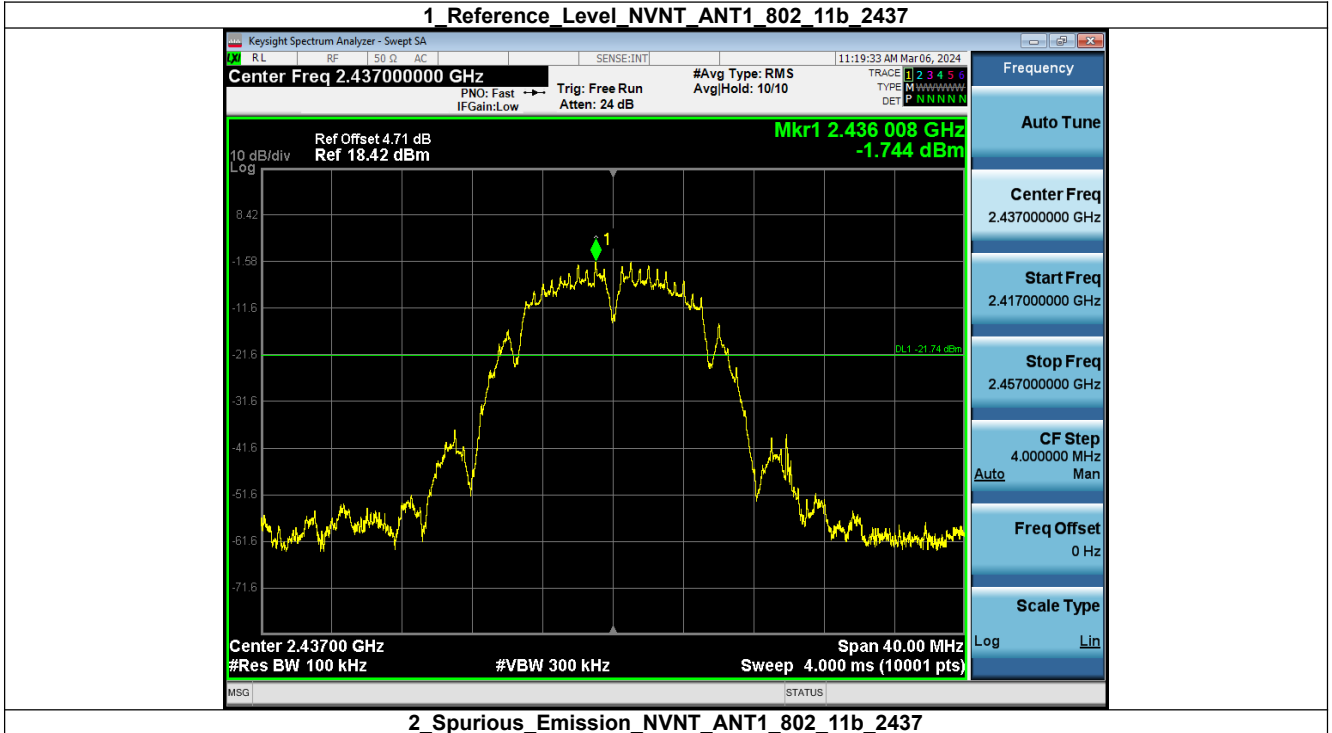
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24987.515	-58.020	-20.148	Pass
NVNT	ANT1	802.11b	2437.00	25000.000	-54.179	-21.744	Pass
NVNT	ANT1	802.11b	2462.00	24533.061	-58.189	-20.512	Pass
NVNT	ANT1	802.11g	2412.00	24887.635	-56.032	-23.937	Pass
NVNT	ANT1	802.11g	2437.00	911.441	-48.936	-25.479	Pass
NVNT	ANT1	802.11g	2462.00	24955.054	-55.464	-23.452	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24972.533	-56.381	-23.294	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24997.503	-62.985	-25.792	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24942.569	-54.142	-23.255	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24960.048	-60.215	-27.679	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24965.042	-60.260	-27.879	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	5221.263	-64.076	-26.918	Pass

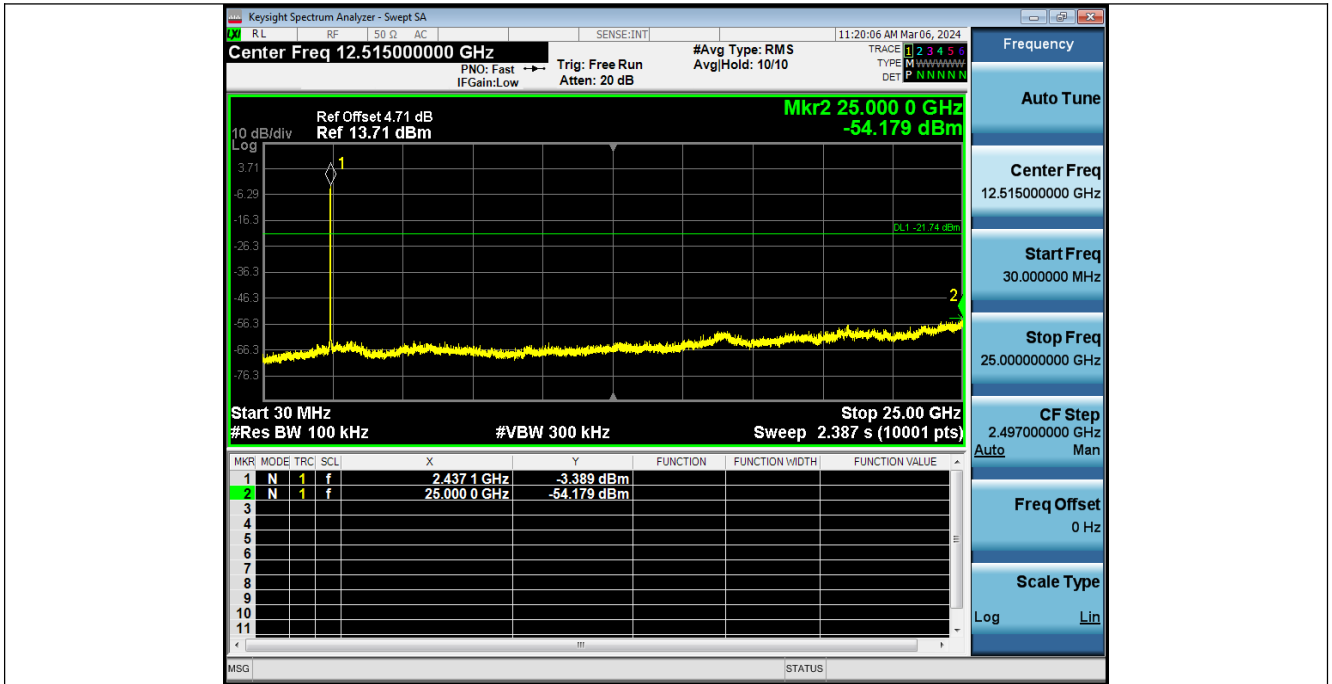




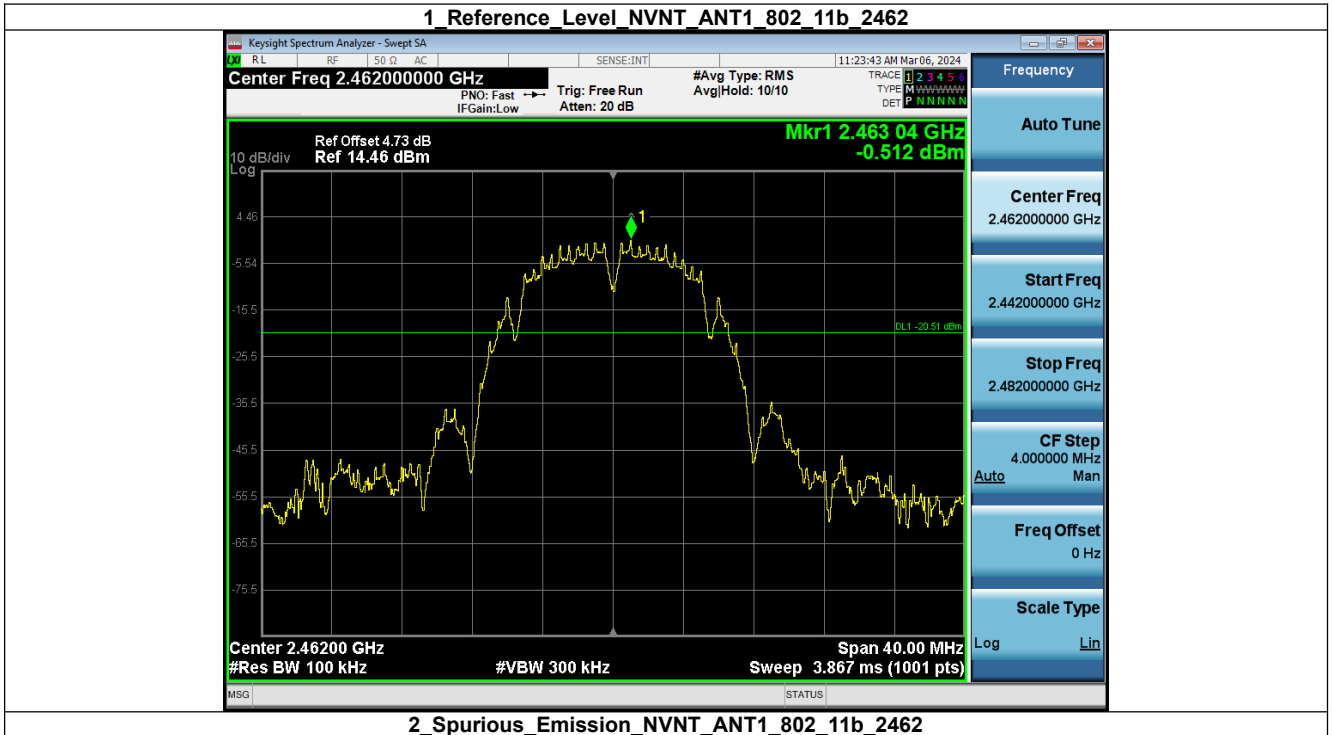
1 Reference Level NVNT_ANT1_802_11b_2437



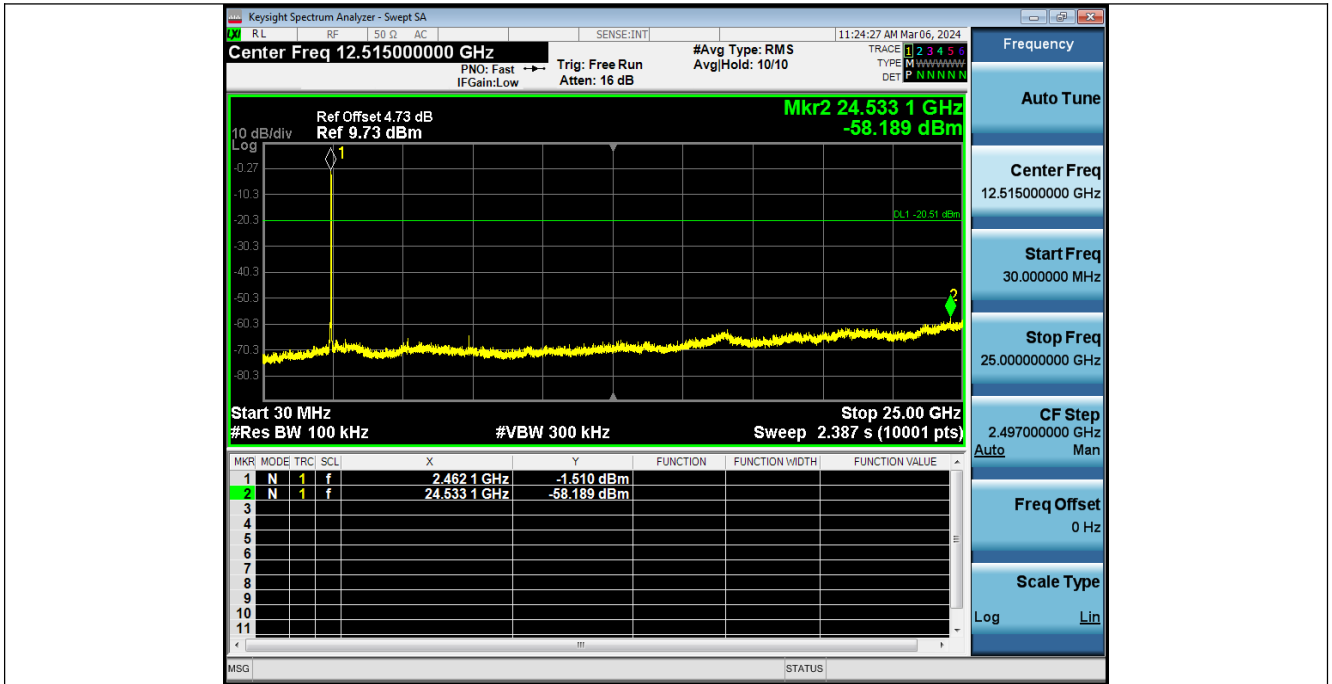
2 Spurious Emission_NVNT_ANT1_802_11b_2437



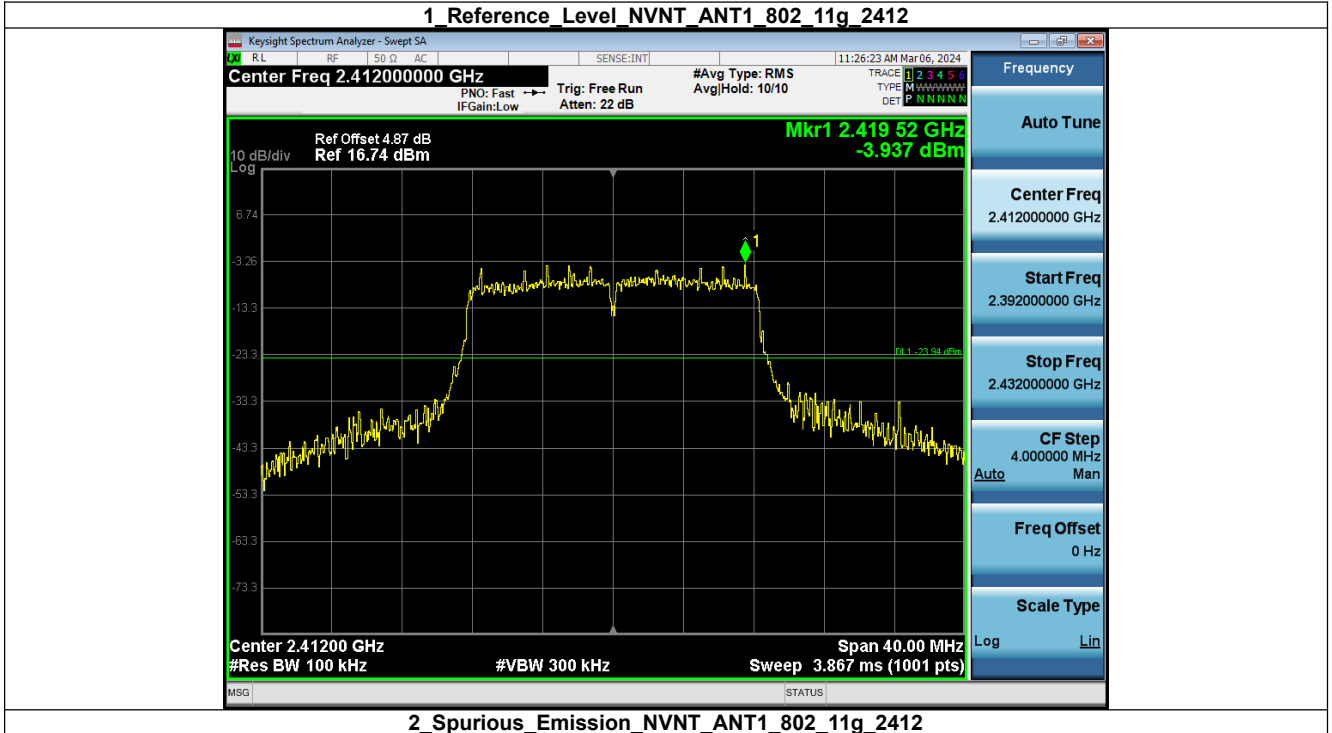
1 Reference Level NVNT_ANT1_802_11b_2462



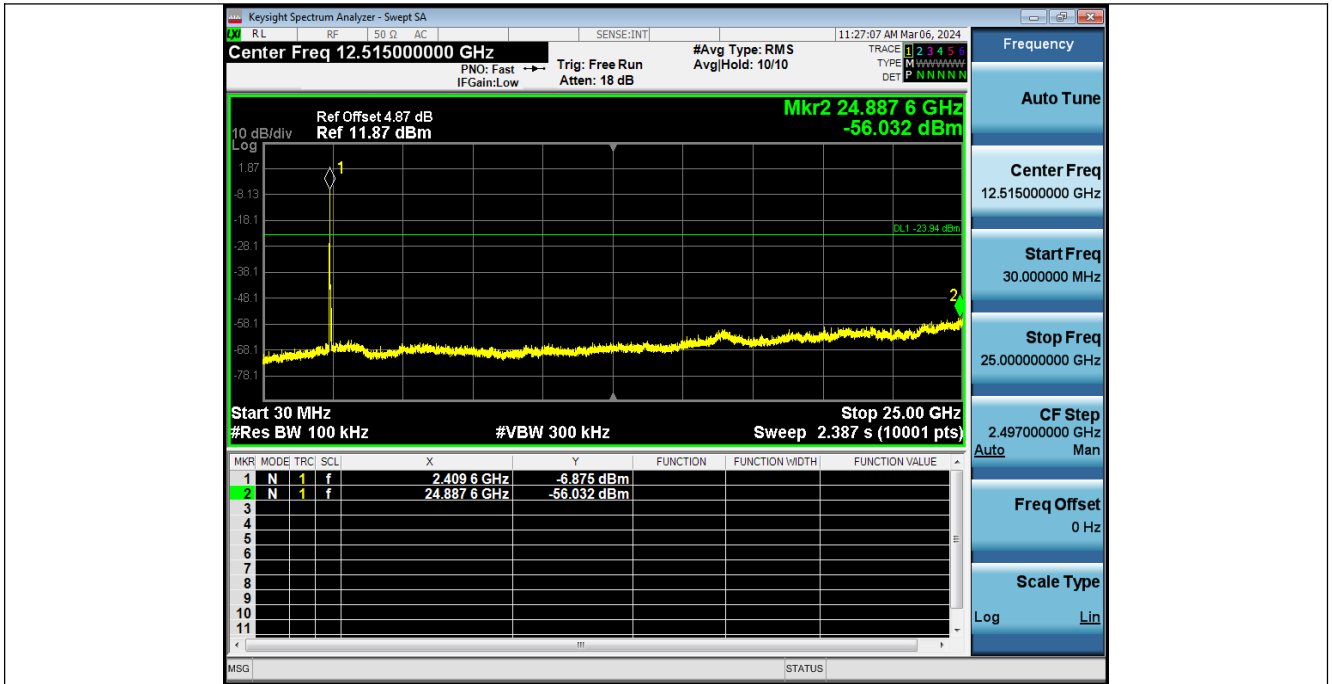
2 Spurious Emission_NVNT_ANT1_802_11b_2462



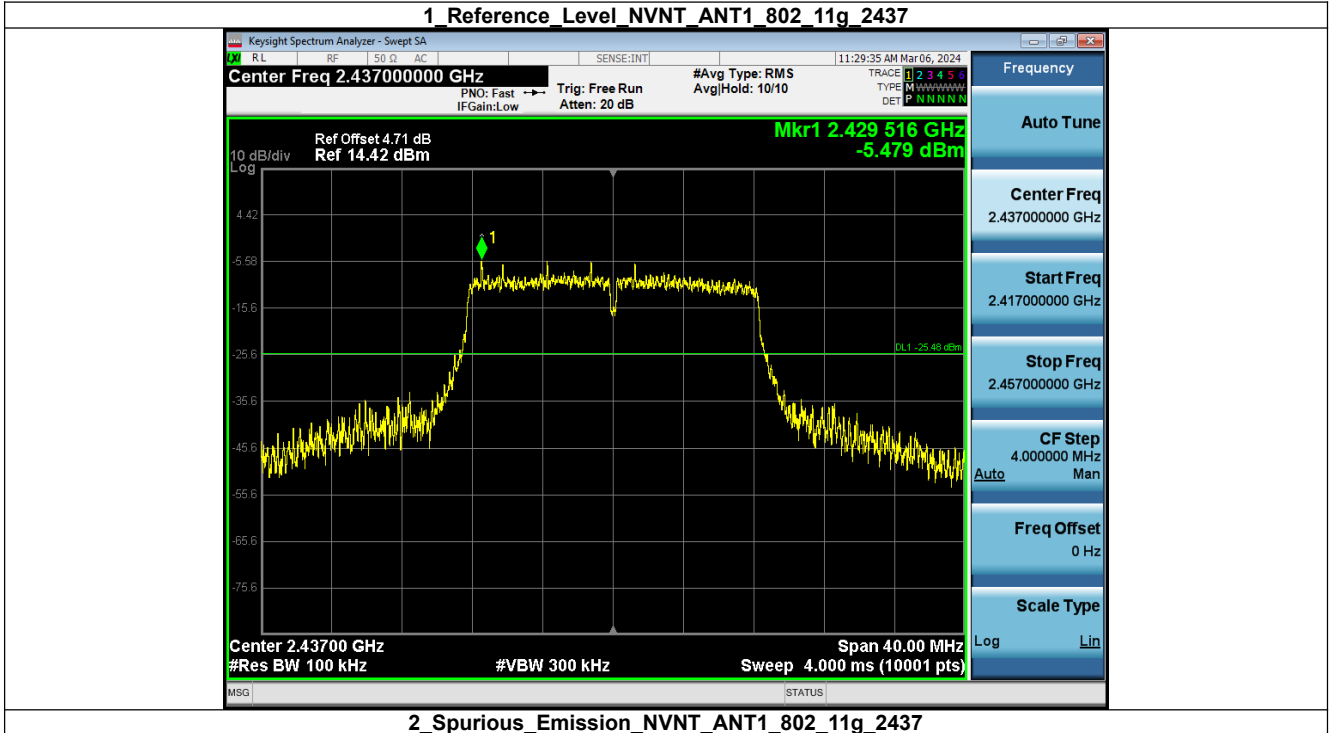
1 Reference Level NVNT_ANT1_802_11g_2412



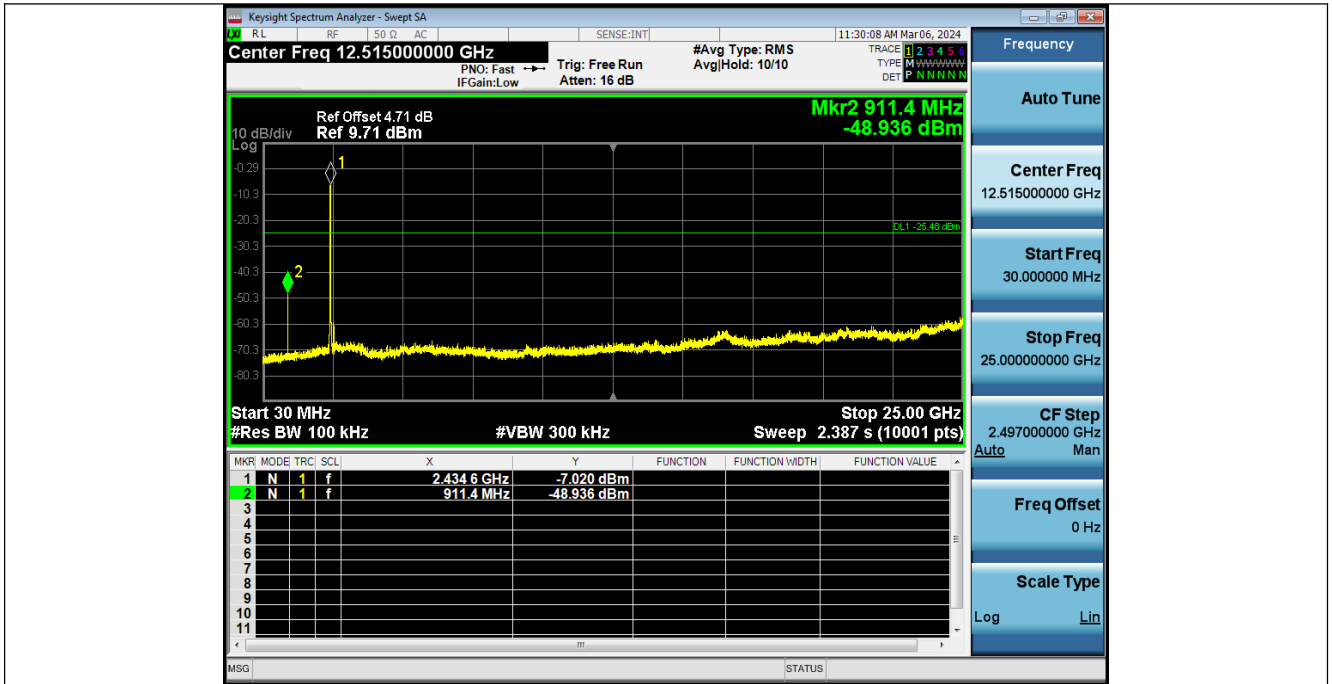
2 Spurious Emission_NVNT_ANT1_802_11g_2412



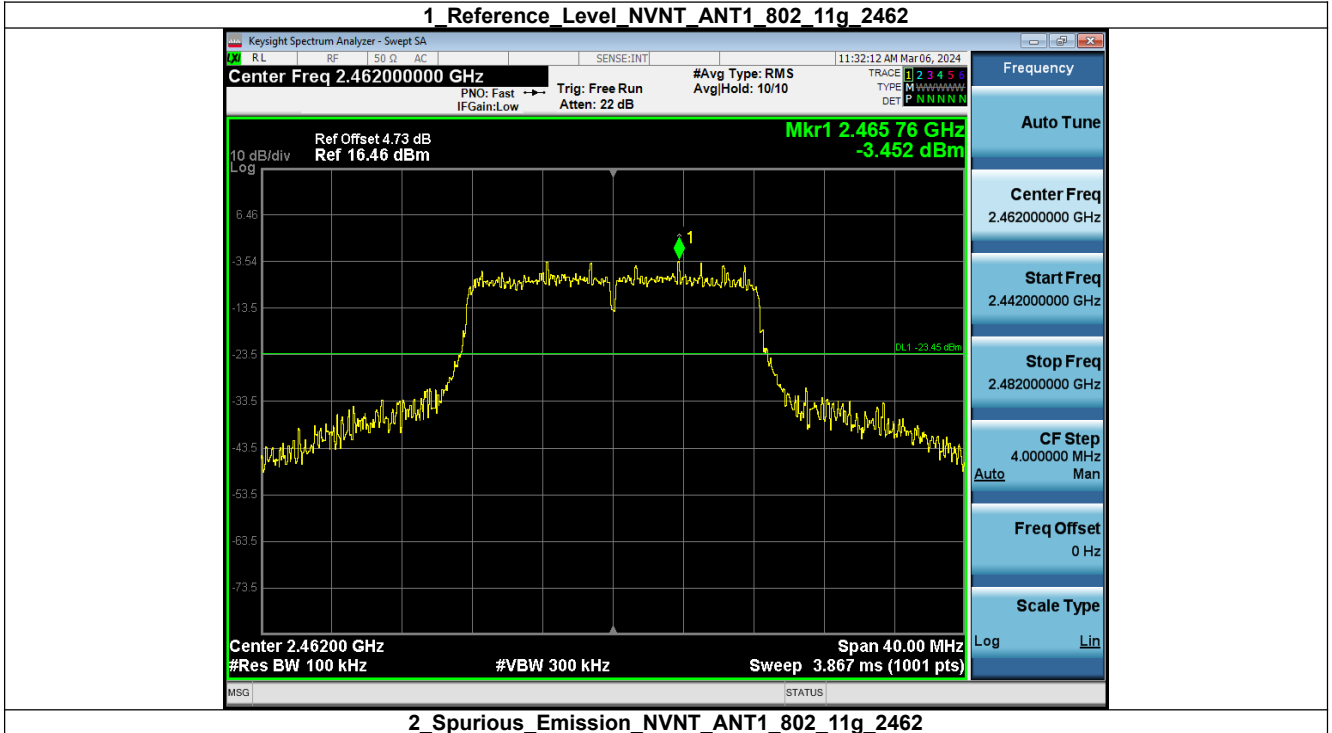
1 Reference Level NVNT_ANT1_802_11g_2437



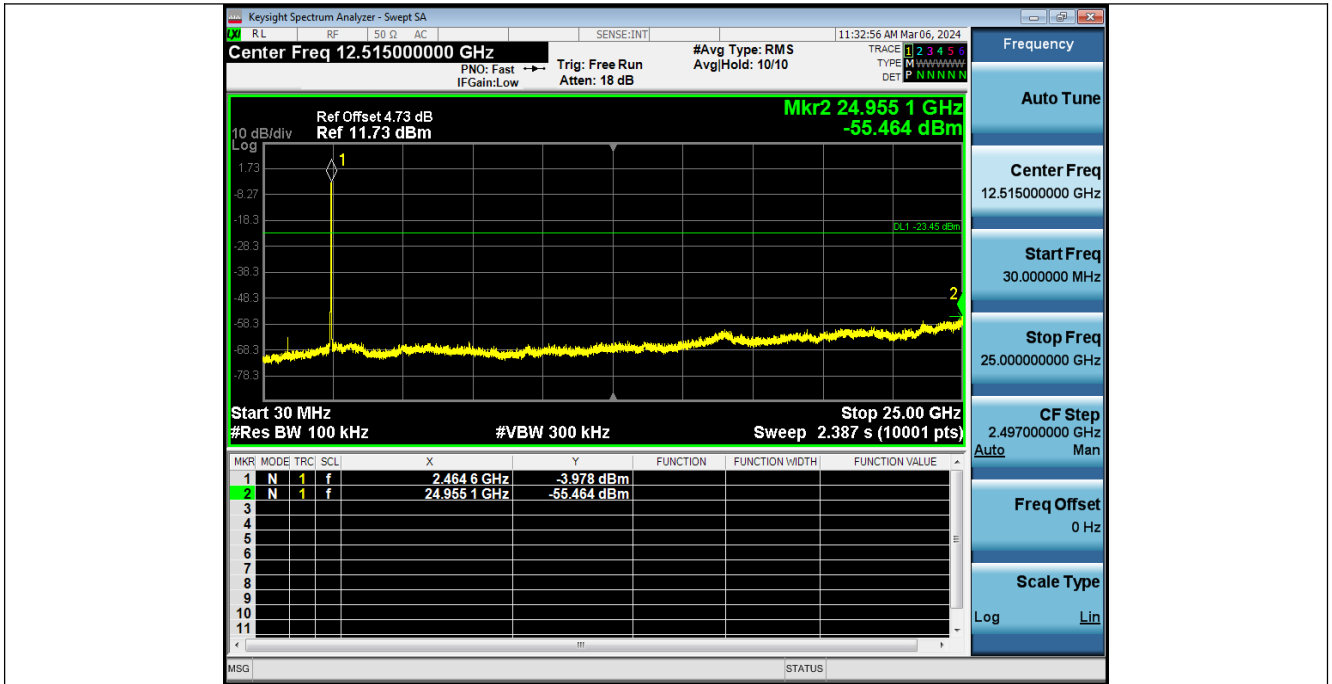
2 Spurious Emission_NVNT_ANT1_802_11g_2437



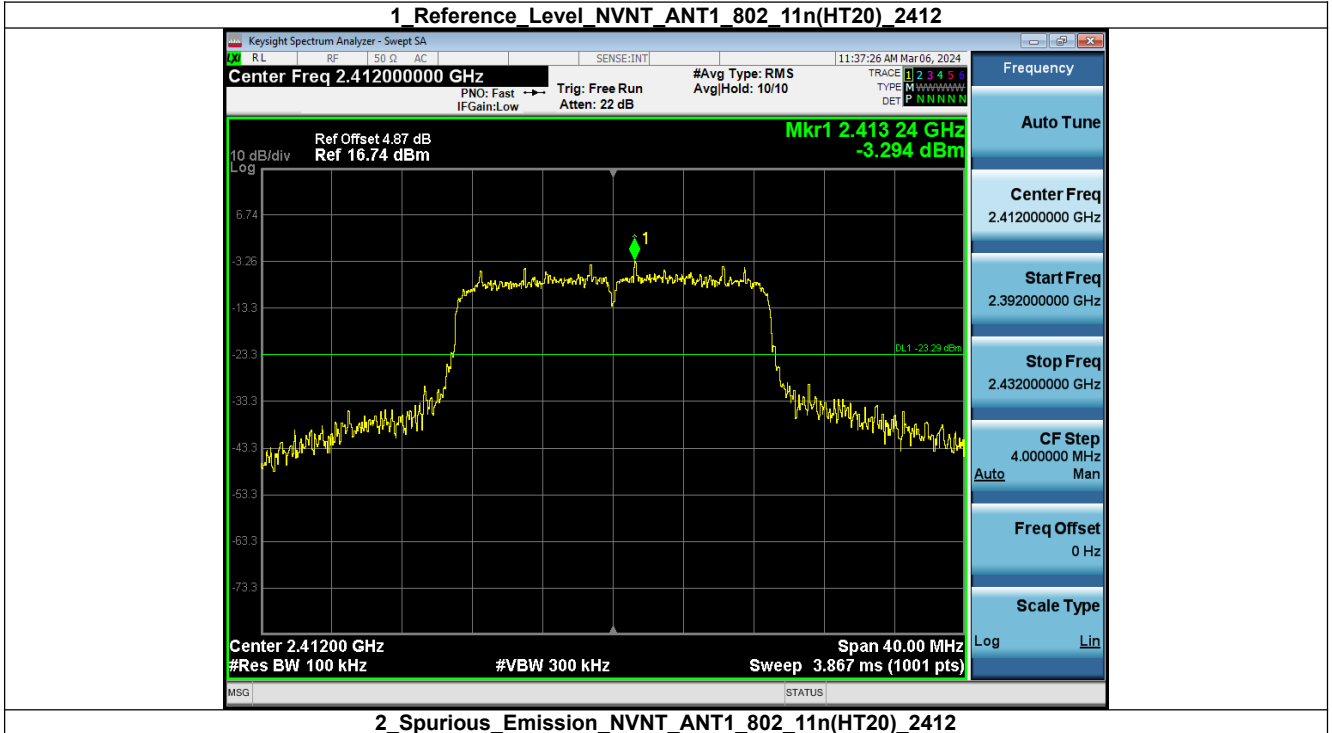
1 Reference Level NVNT_ANT1_802_11g_2462



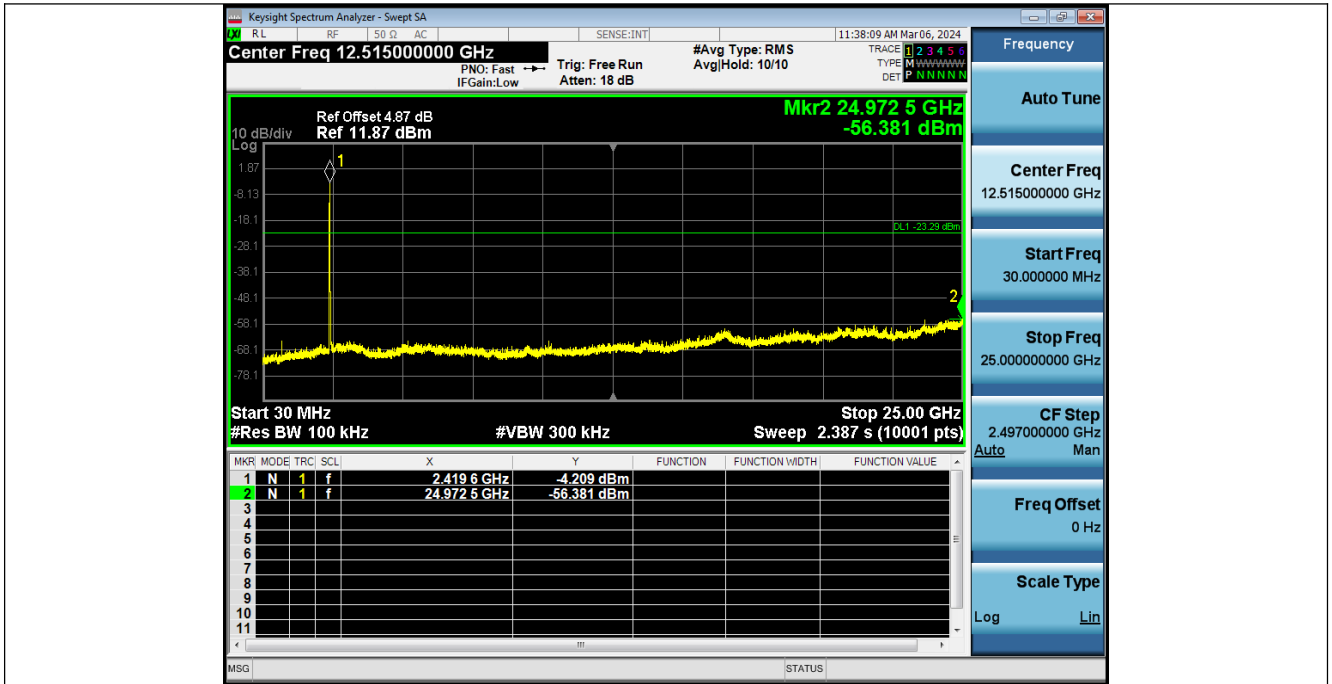
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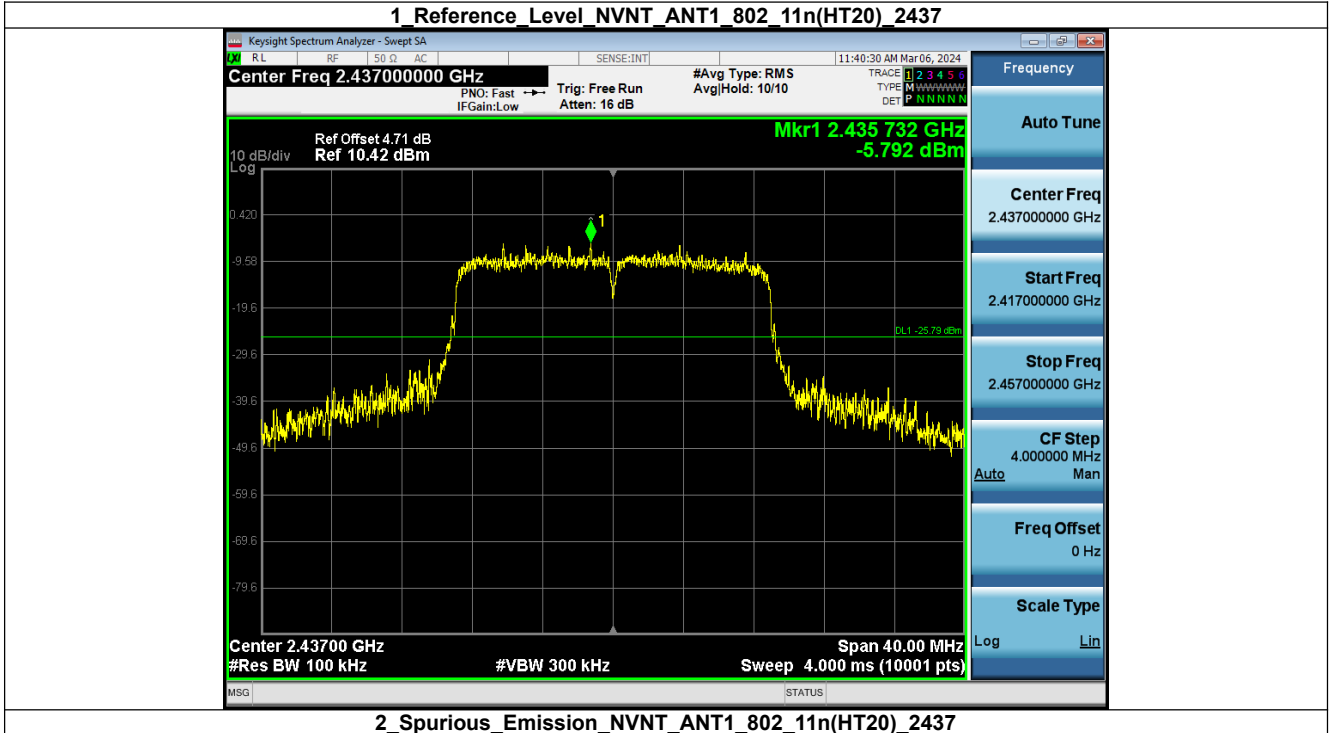
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



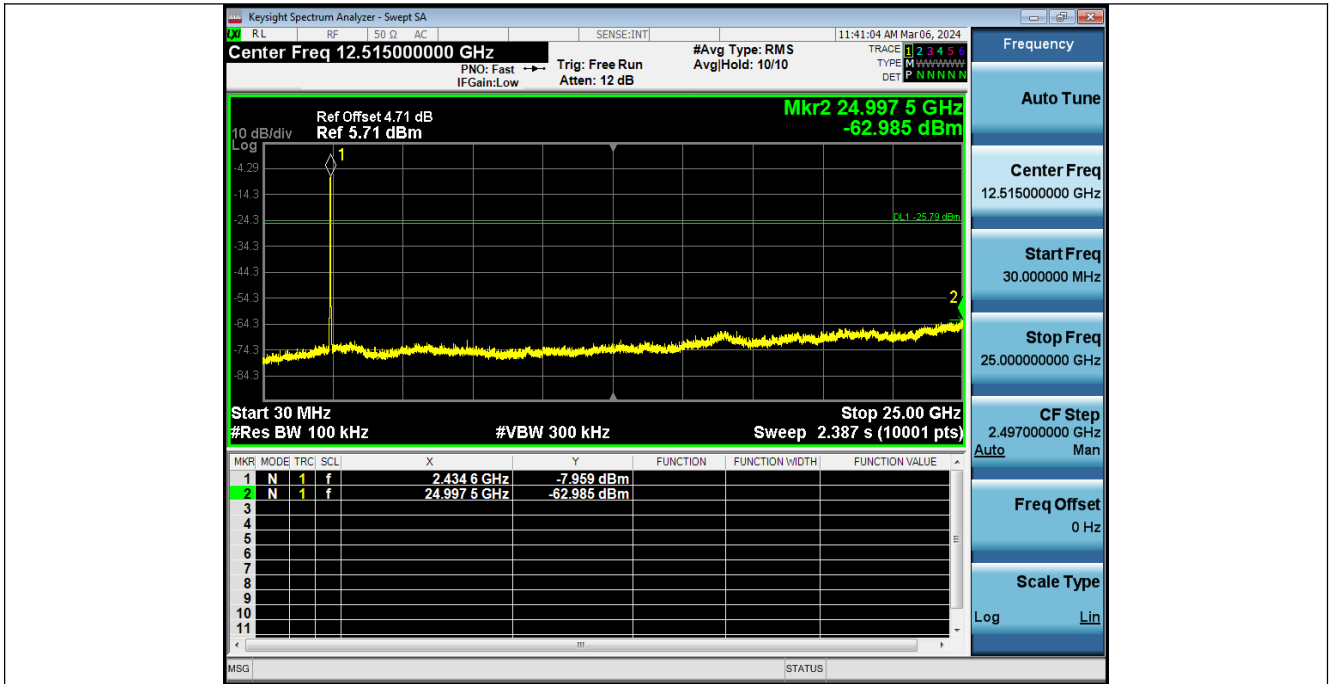
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



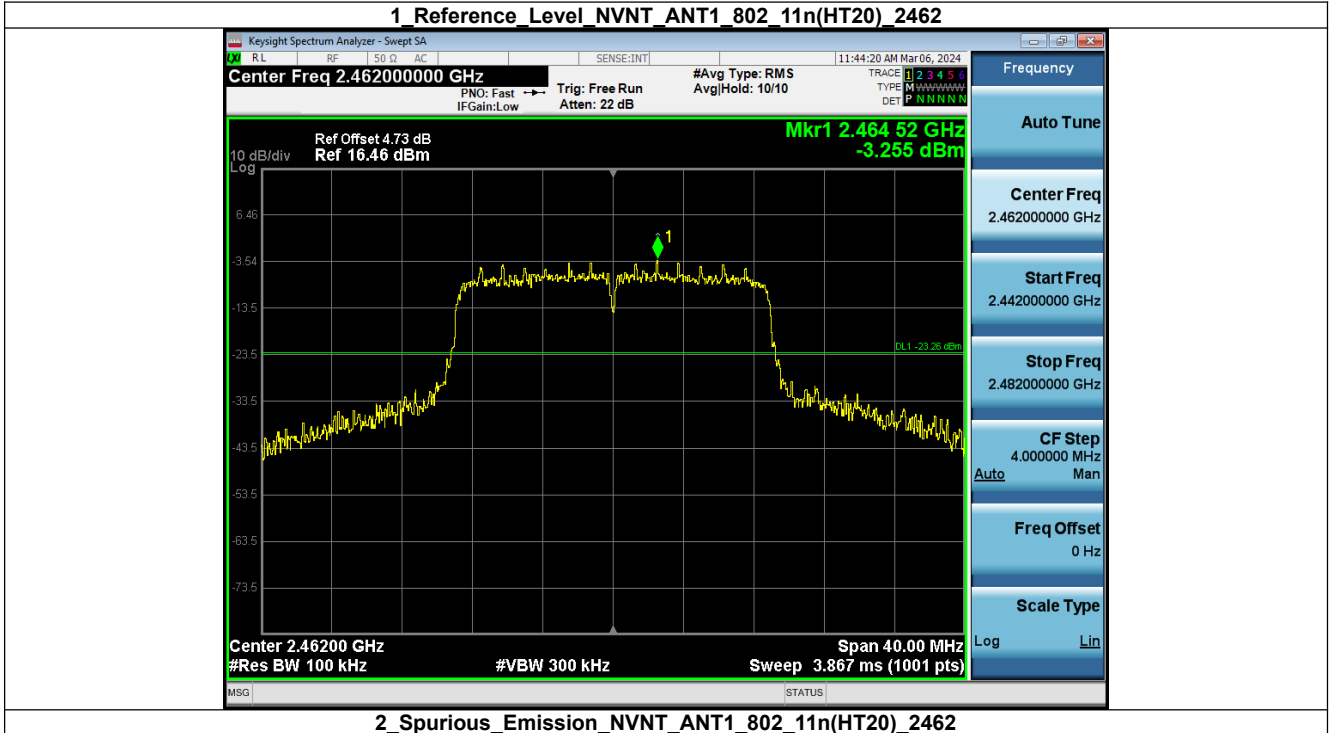
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2437



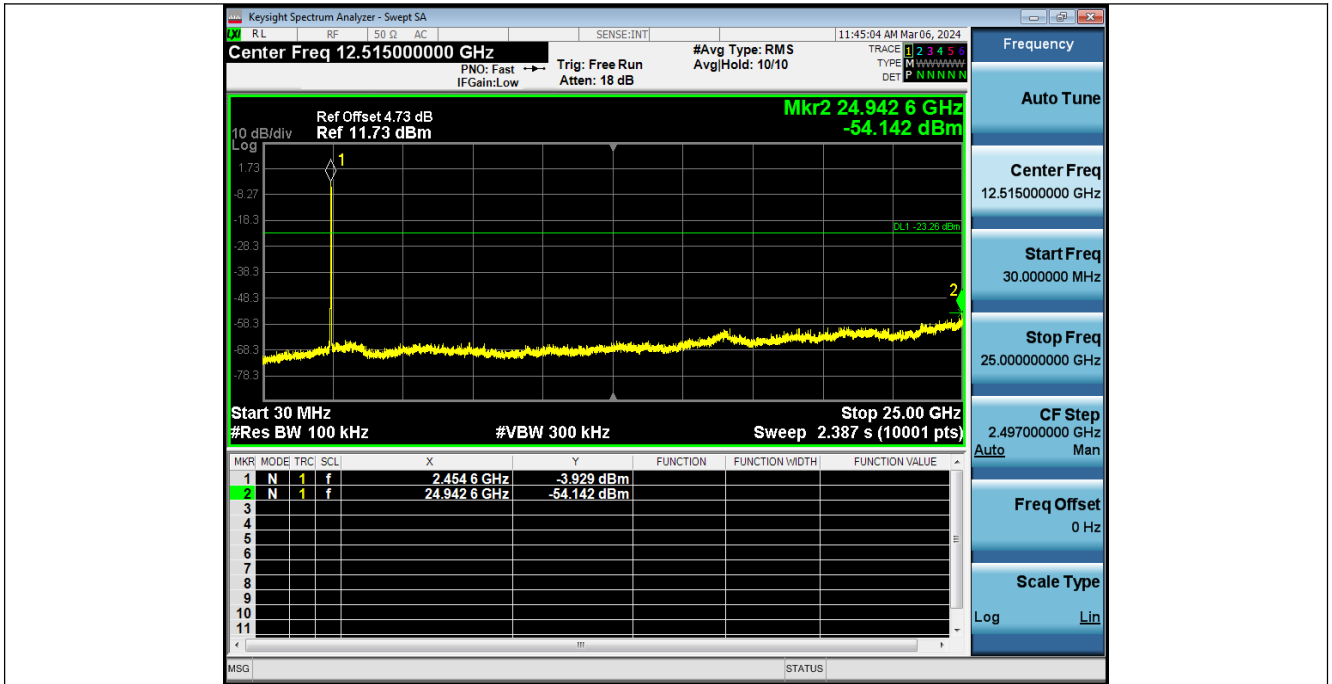
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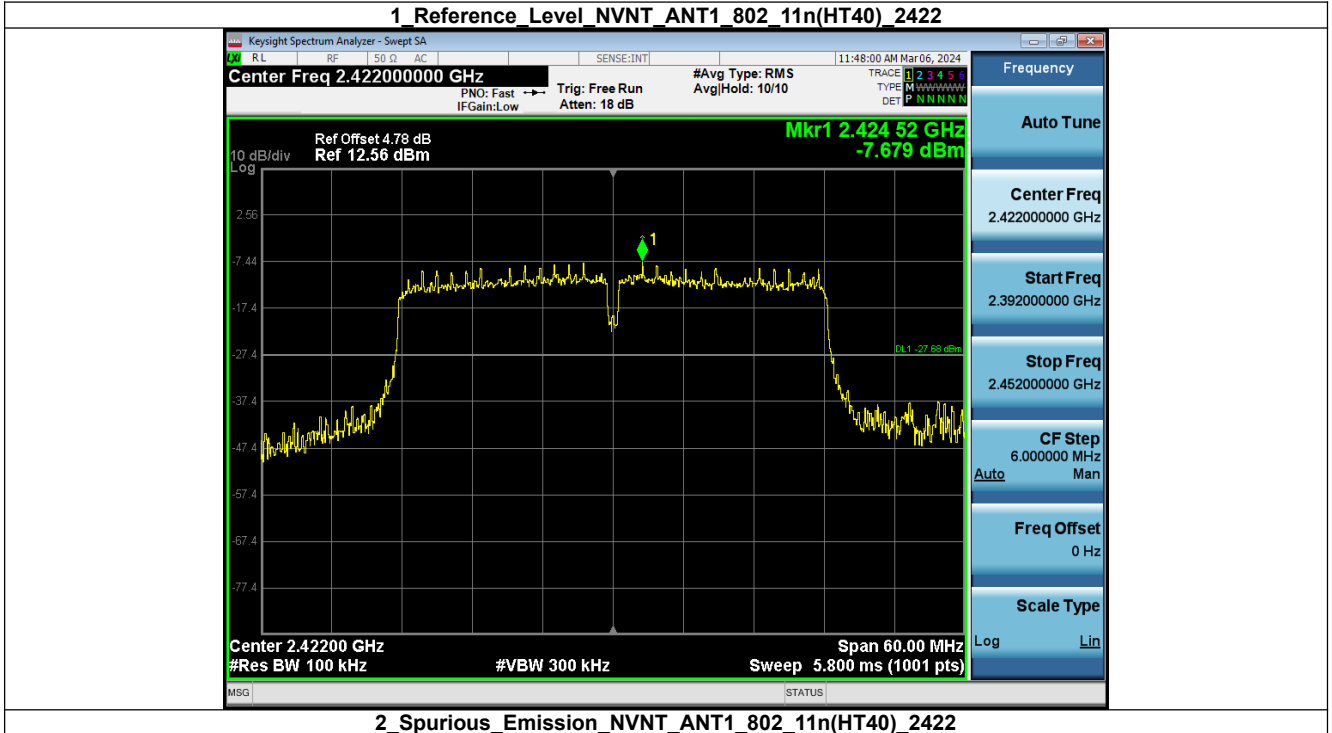
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



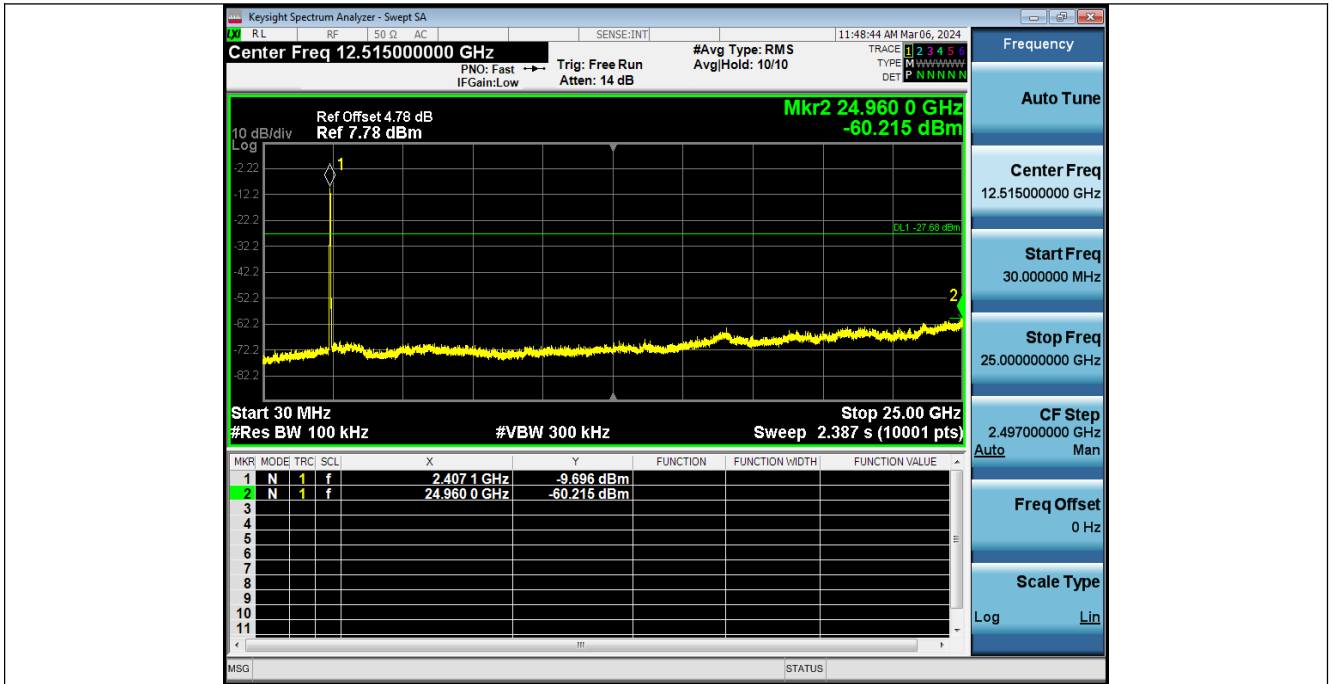
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



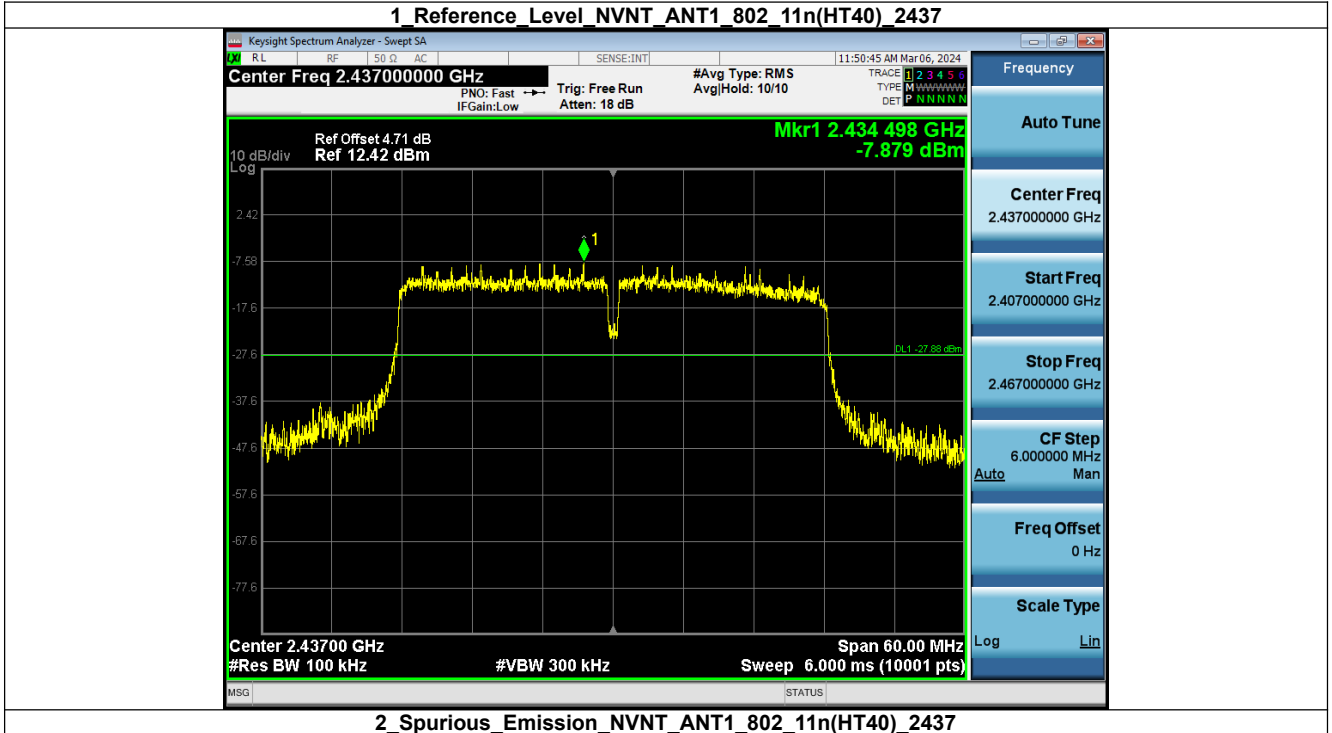
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



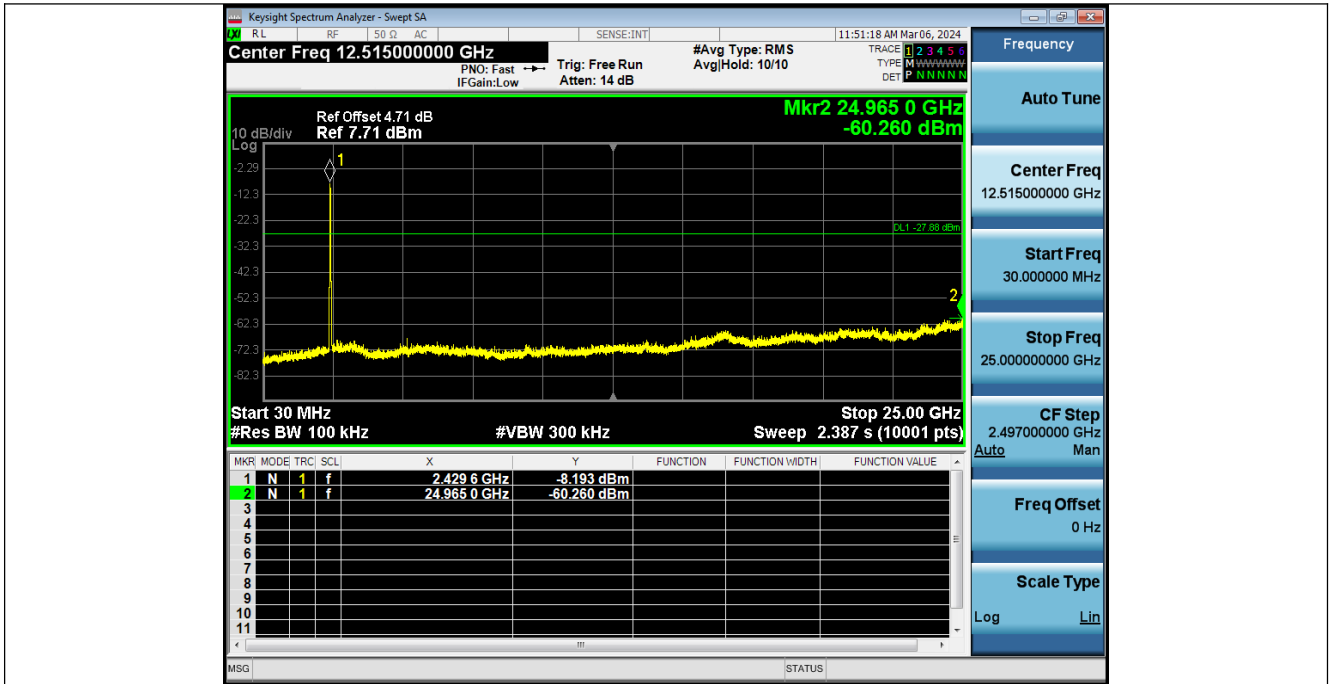
2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2422



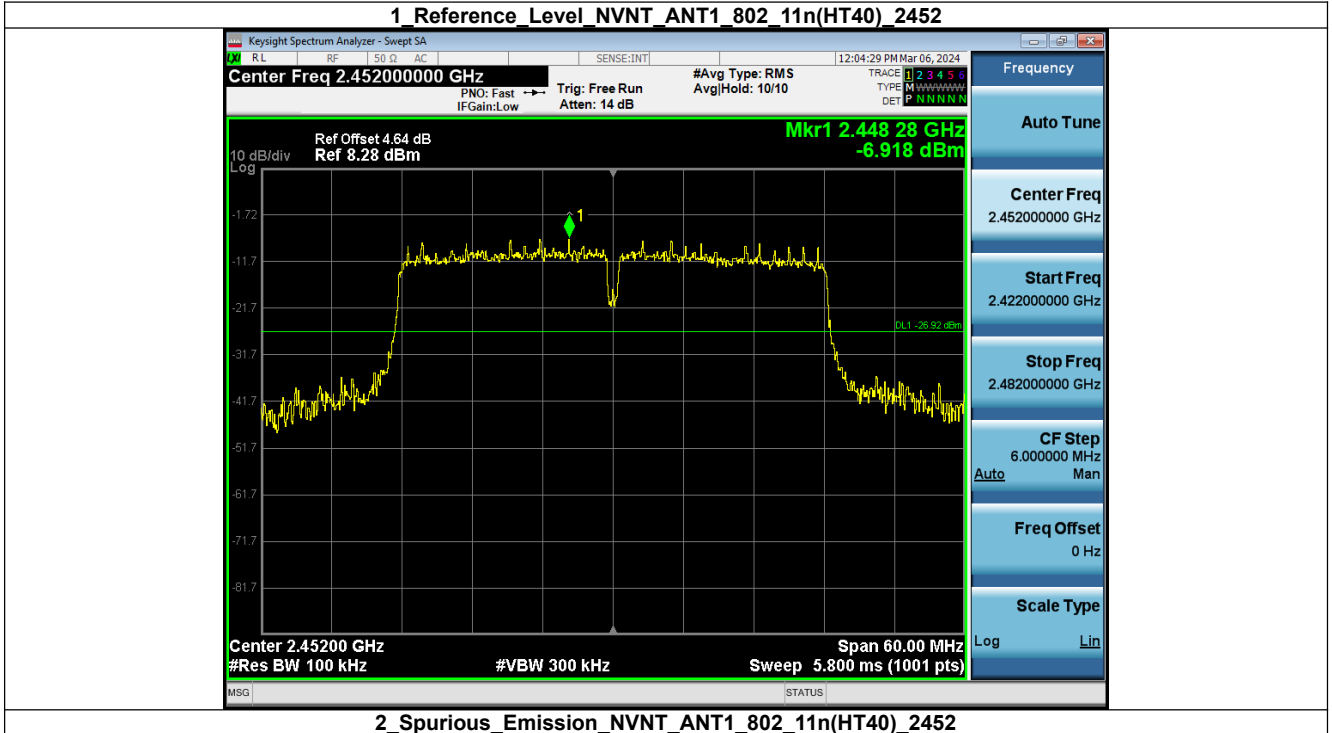
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452

