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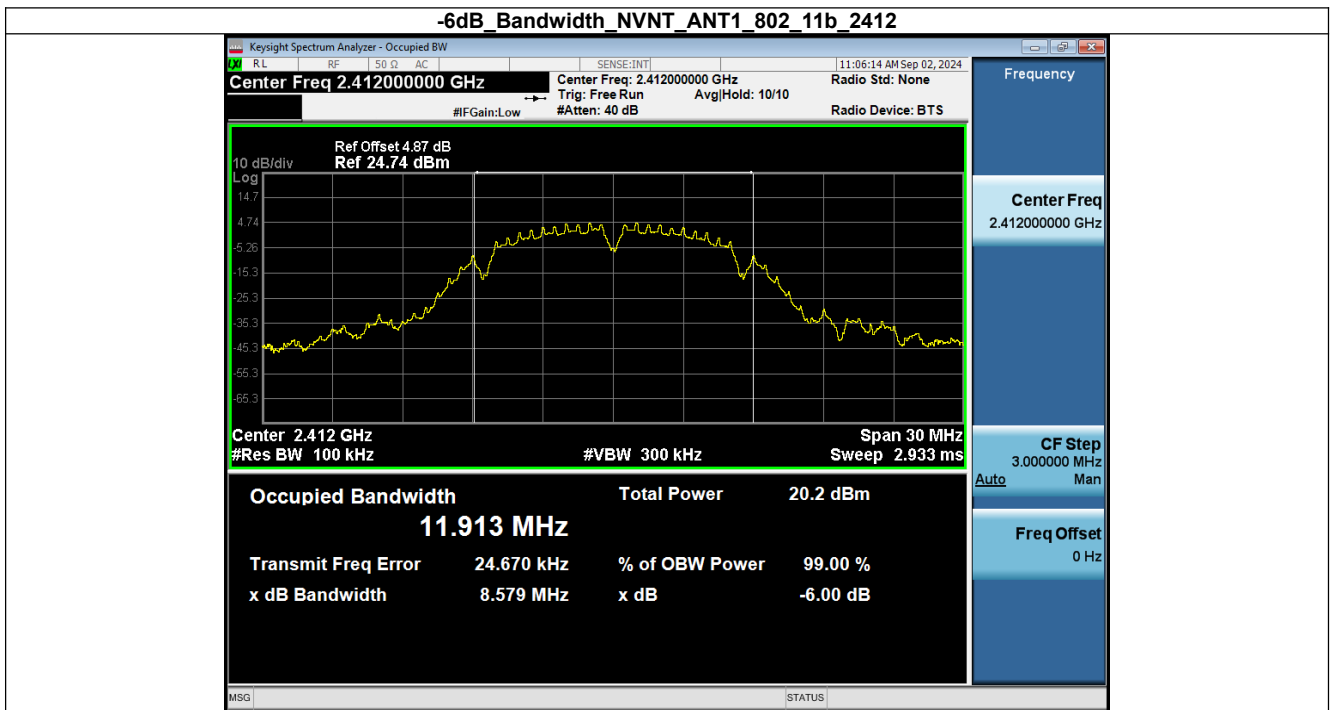
7. Spurious Emission38

FCC ID:2BKSJ-K1

FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

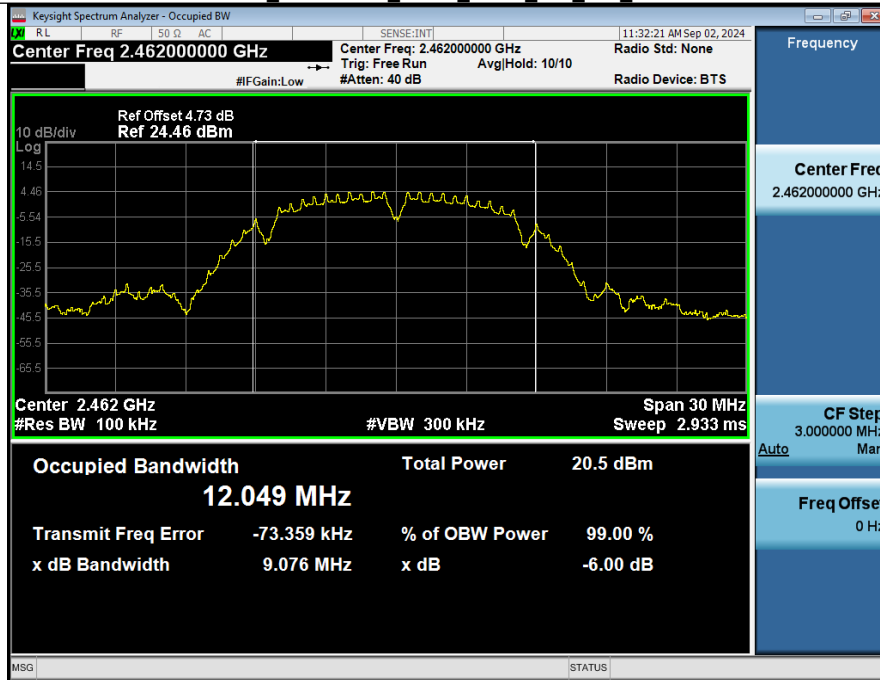
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.58	500	Pass
NVNT	ANT1	802.11b	2437.00	8.61	500	Pass
NVNT	ANT1	802.11b	2462.00	9.08	500	Pass
NVNT	ANT1	802.11g	2412.00	16.34	500	Pass
NVNT	ANT1	802.11g	2437.00	16.36	500	Pass
NVNT	ANT1	802.11g	2462.00	15.79	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.73	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.19	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.13	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.86	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.60	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.30	500	Pass



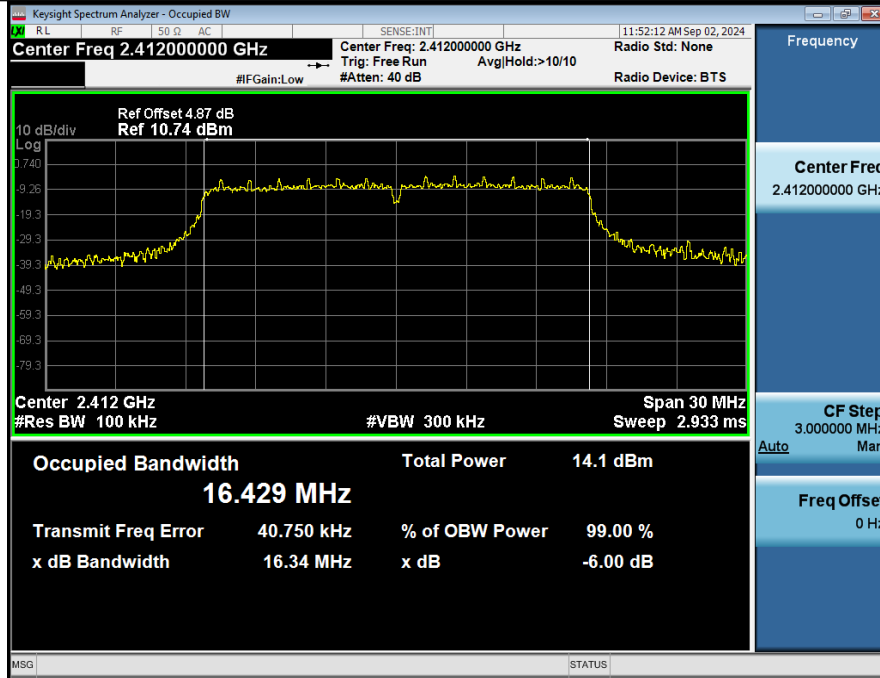
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



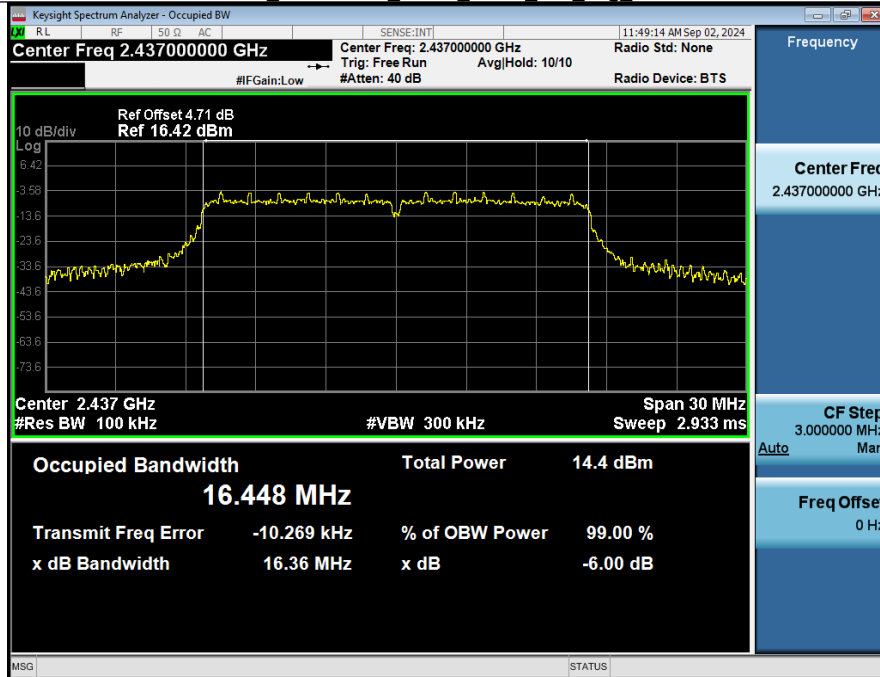
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



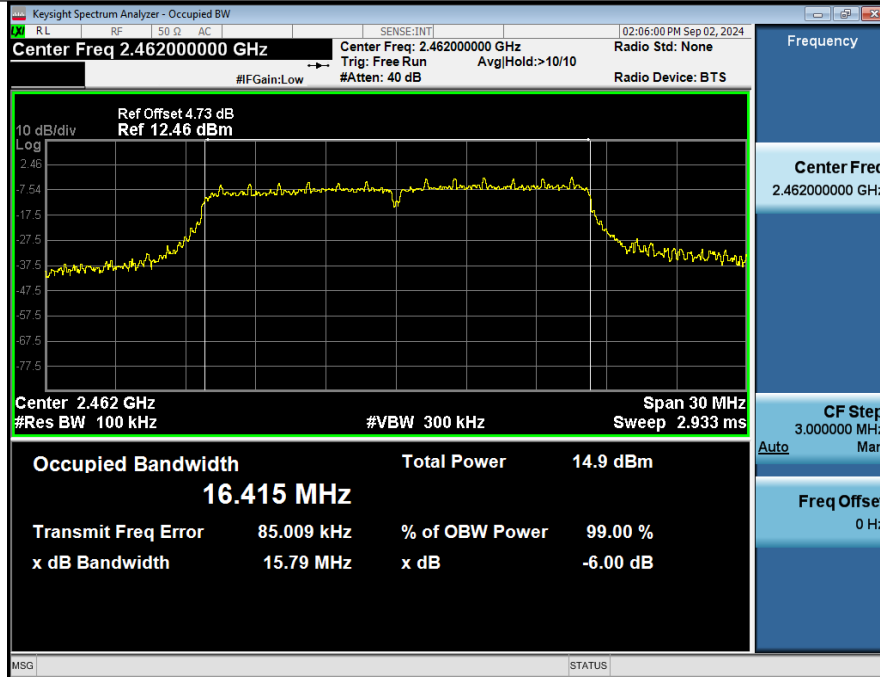
-6dB Bandwidth NVNT_ANT1_802_11g_2412



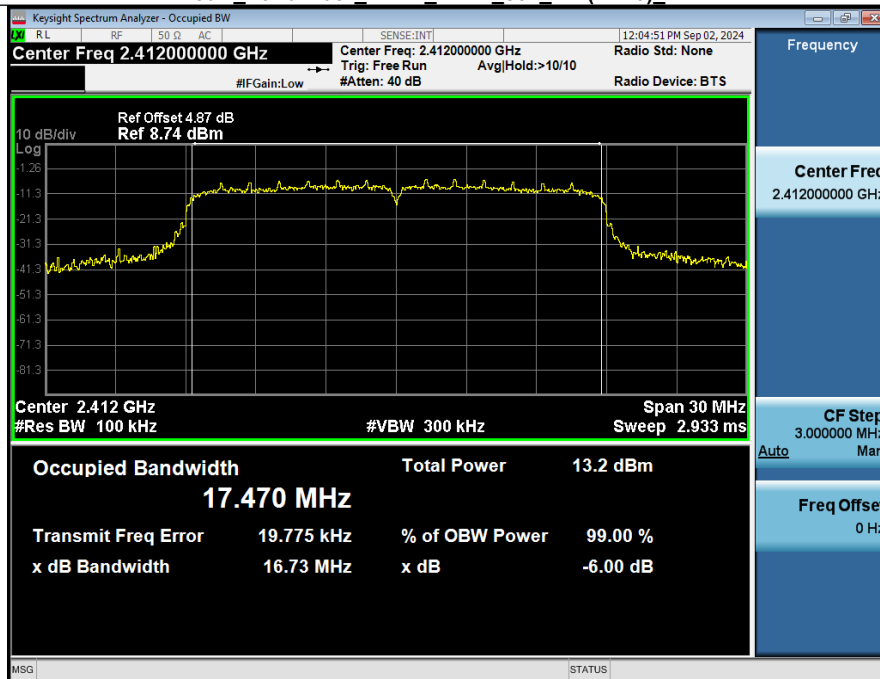
-6dB Bandwidth NVNT_ANT1_802_11g_2437



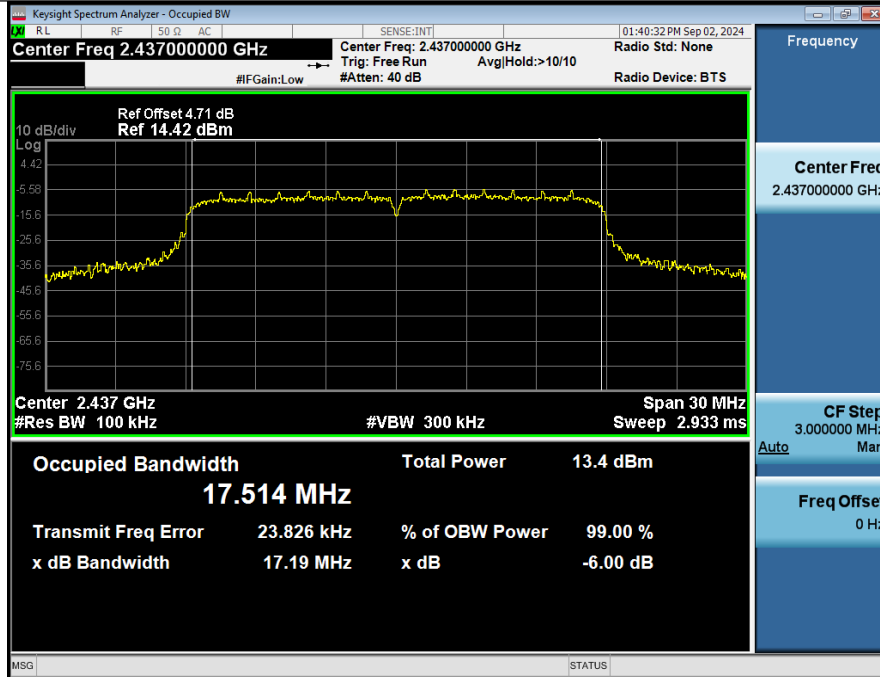
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



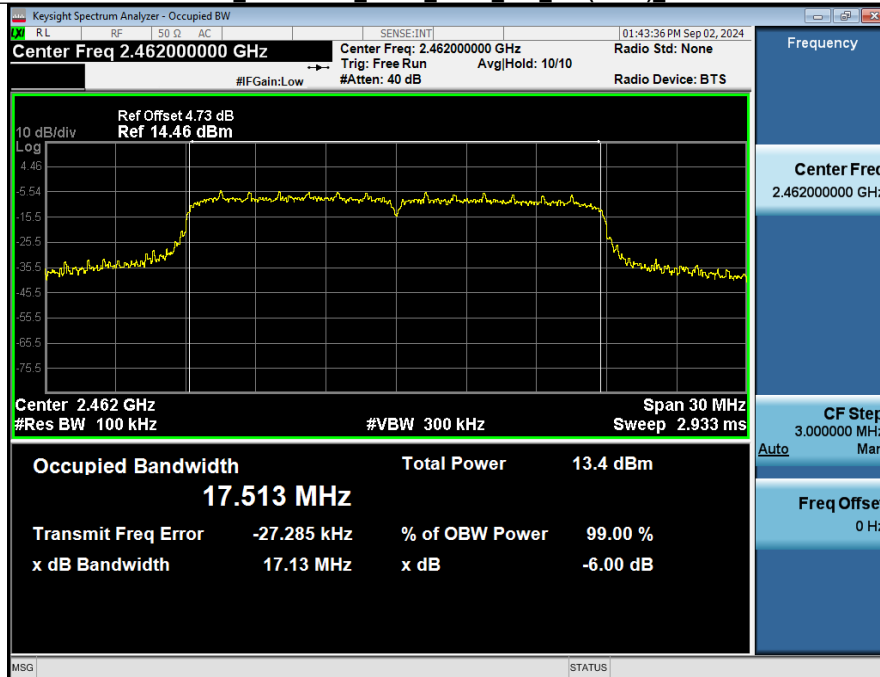
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



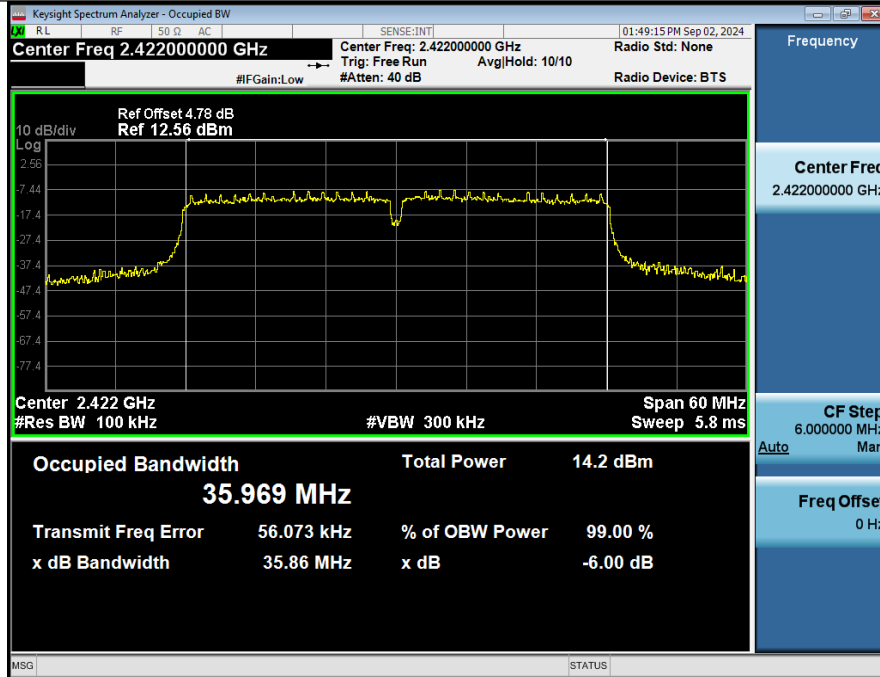
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



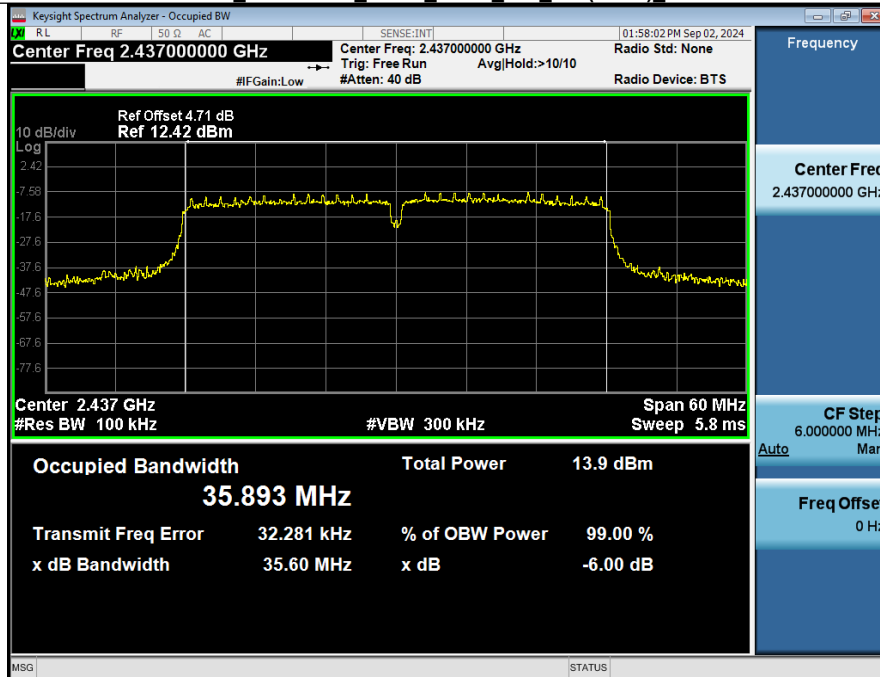
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

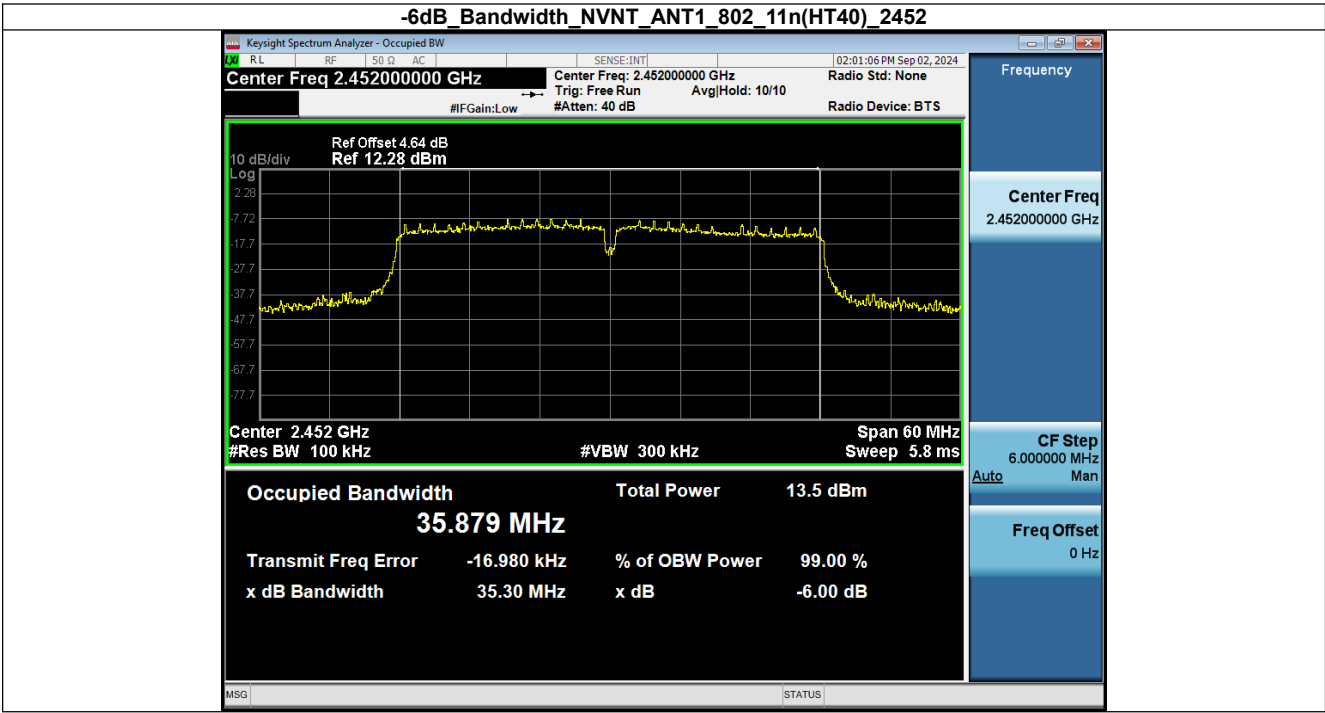


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



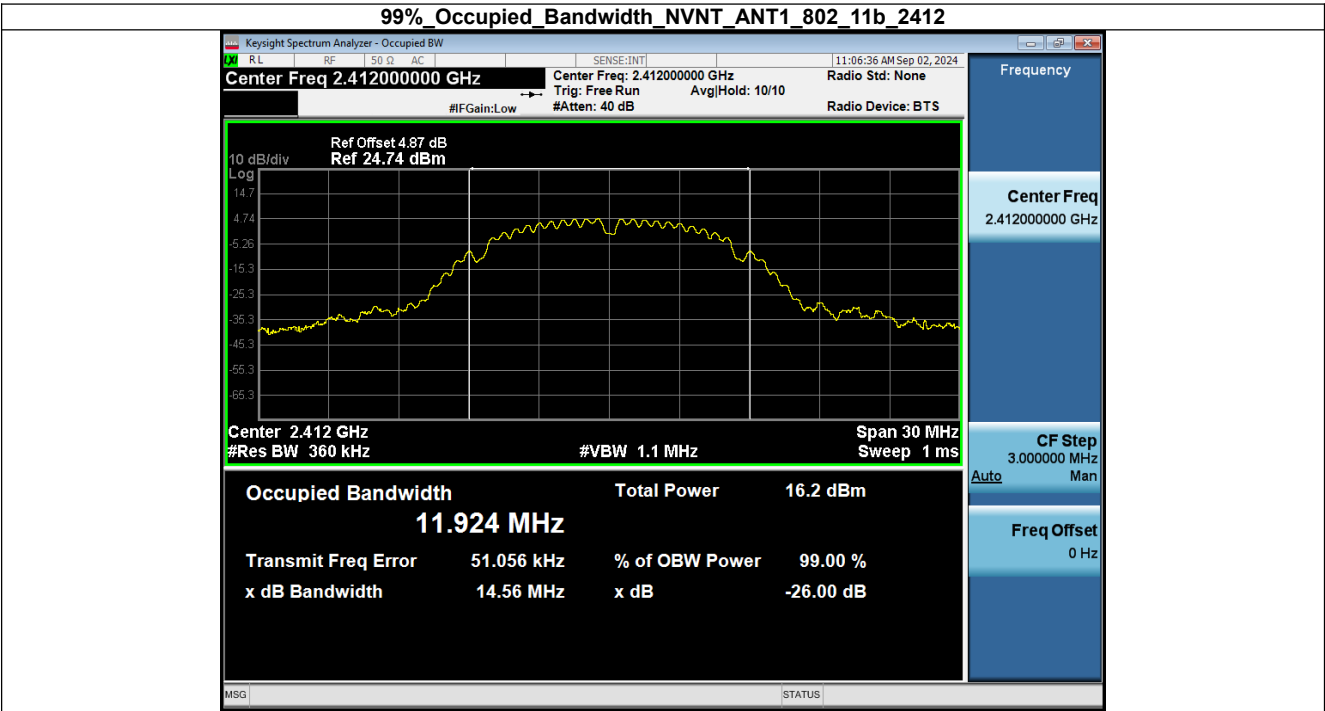
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



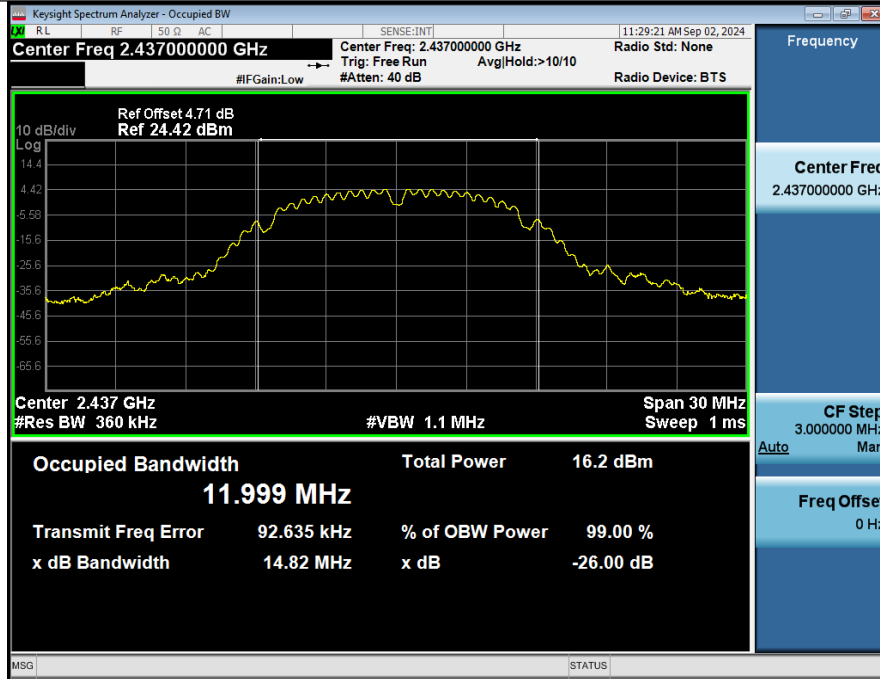


2. 99% Occupied Bandwidth

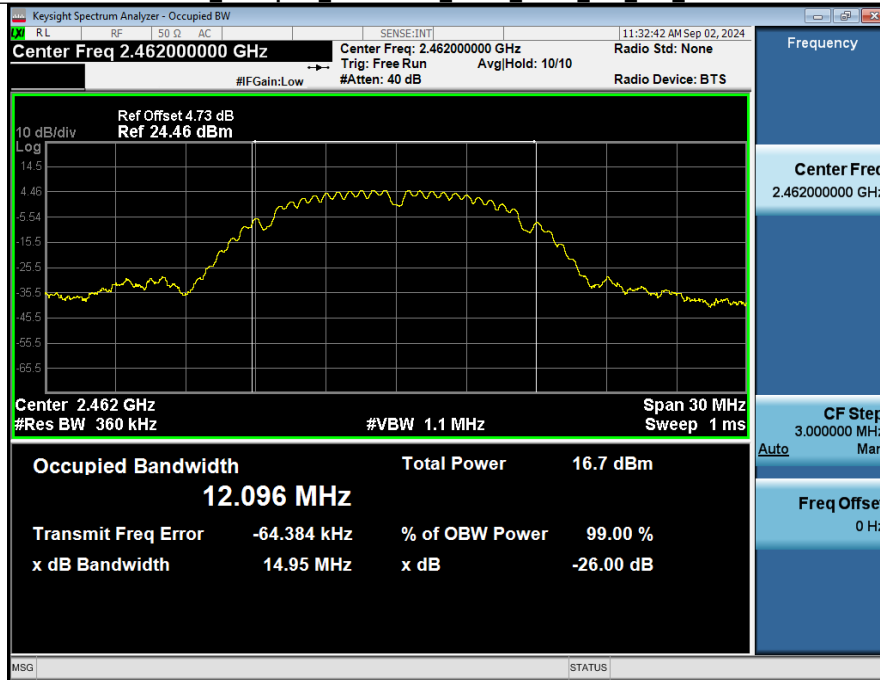
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	11.924
NVNT	ANT1	802.11b	2437.00	11.999
NVNT	ANT1	802.11b	2462.00	12.096
NVNT	ANT1	802.11g	2412.00	17.106
NVNT	ANT1	802.11g	2437.00	17.182
NVNT	ANT1	802.11g	2462.00	17.212
NVNT	ANT1	802.11n(HT20)	2412.00	17.666
NVNT	ANT1	802.11n(HT20)	2437.00	17.785
NVNT	ANT1	802.11n(HT20)	2462.00	17.923
NVNT	ANT1	802.11n(HT40)	2422.00	36.428
NVNT	ANT1	802.11n(HT40)	2437.00	36.327
NVNT	ANT1	802.11n(HT40)	2452.00	36.265



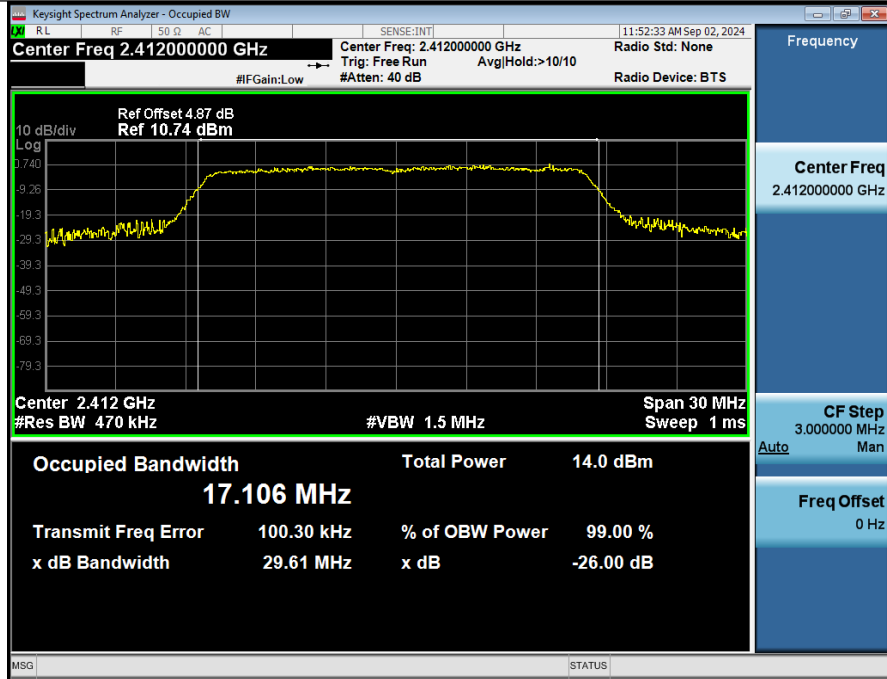
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



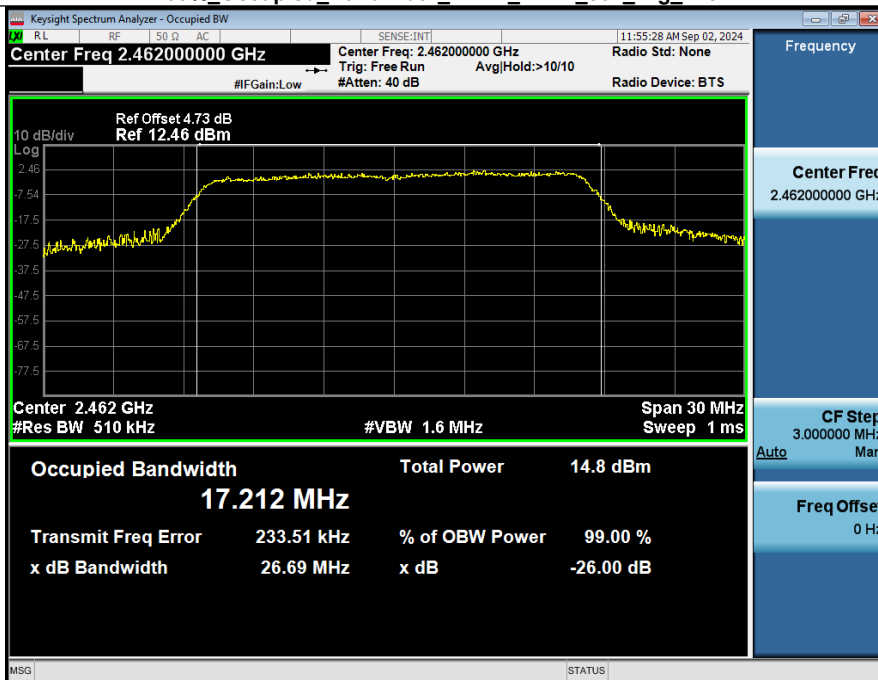
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



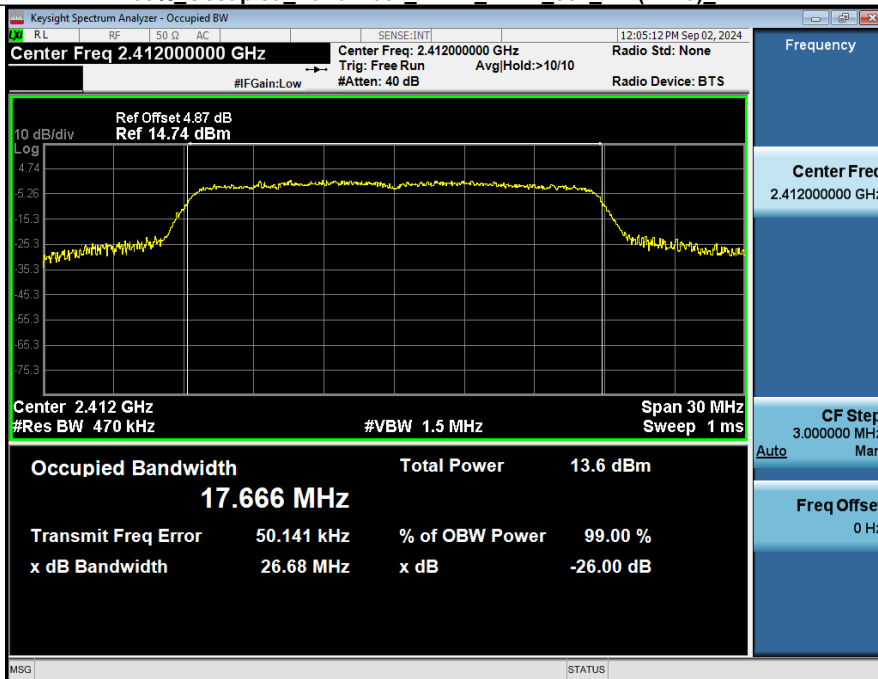
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



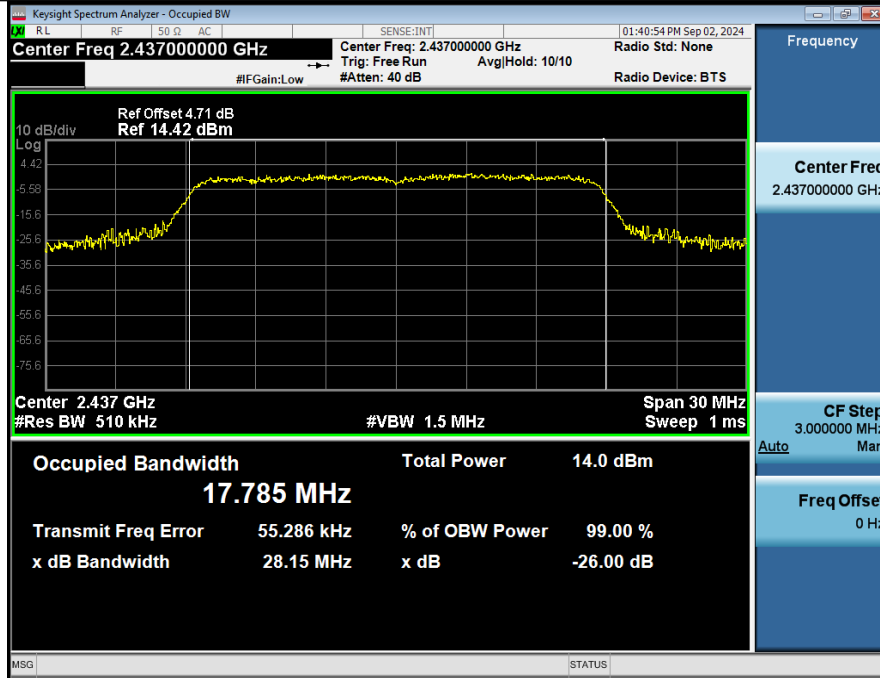
99% Occupied Bandwidth NVNT_ANT1_802_11g_2462



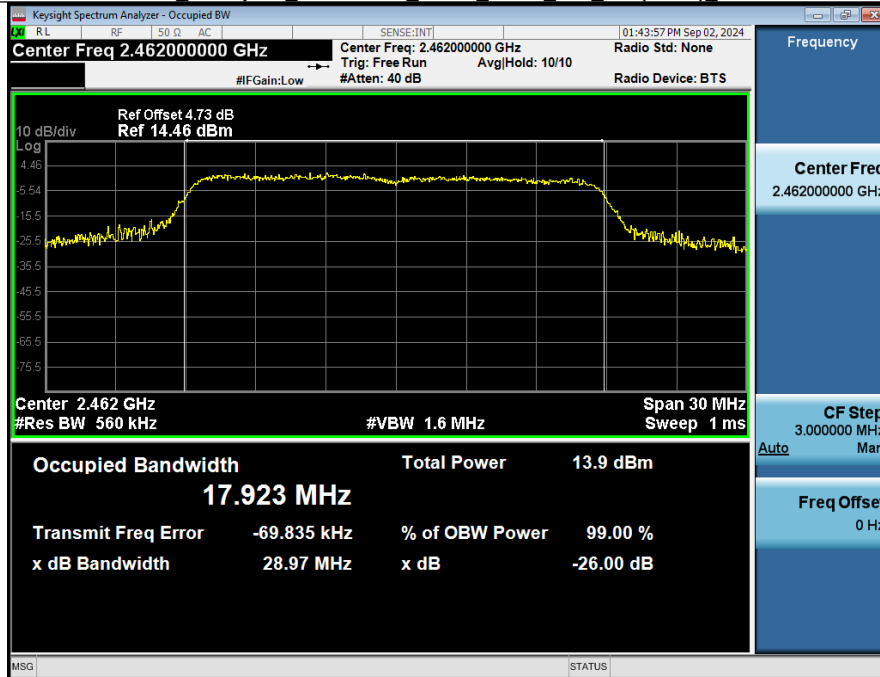
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412

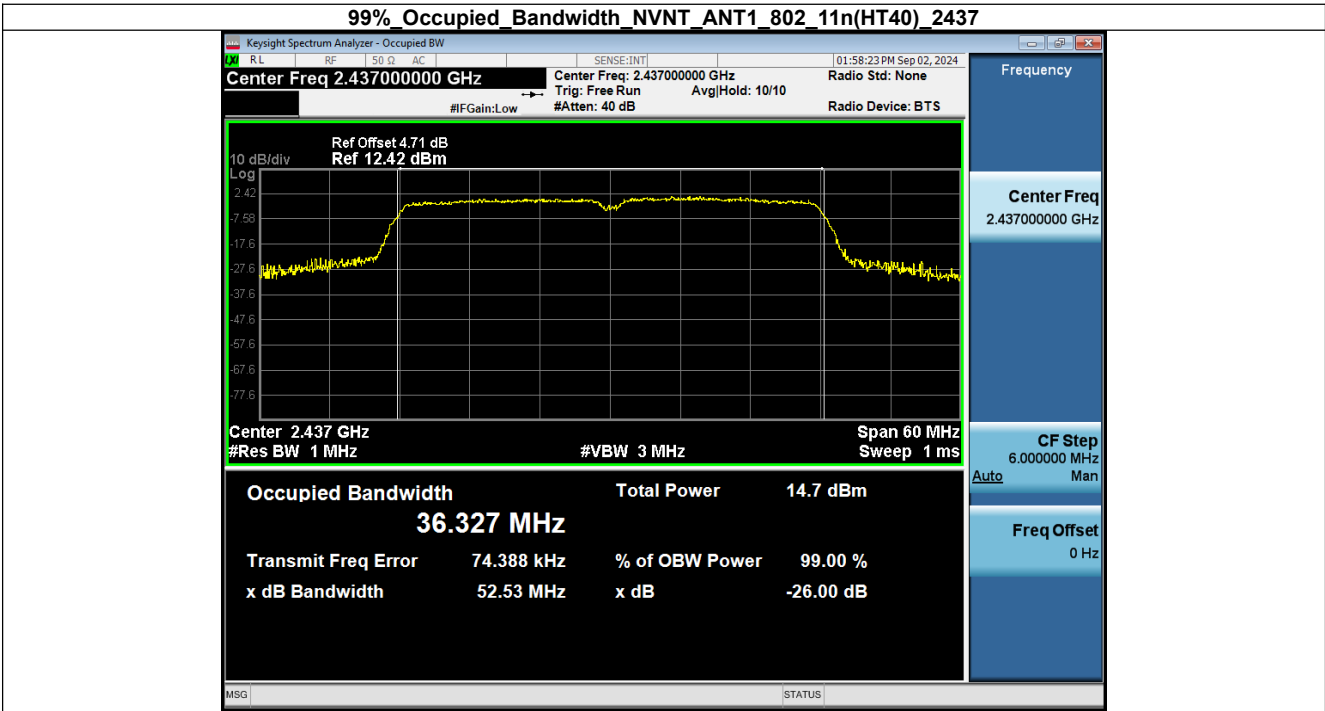
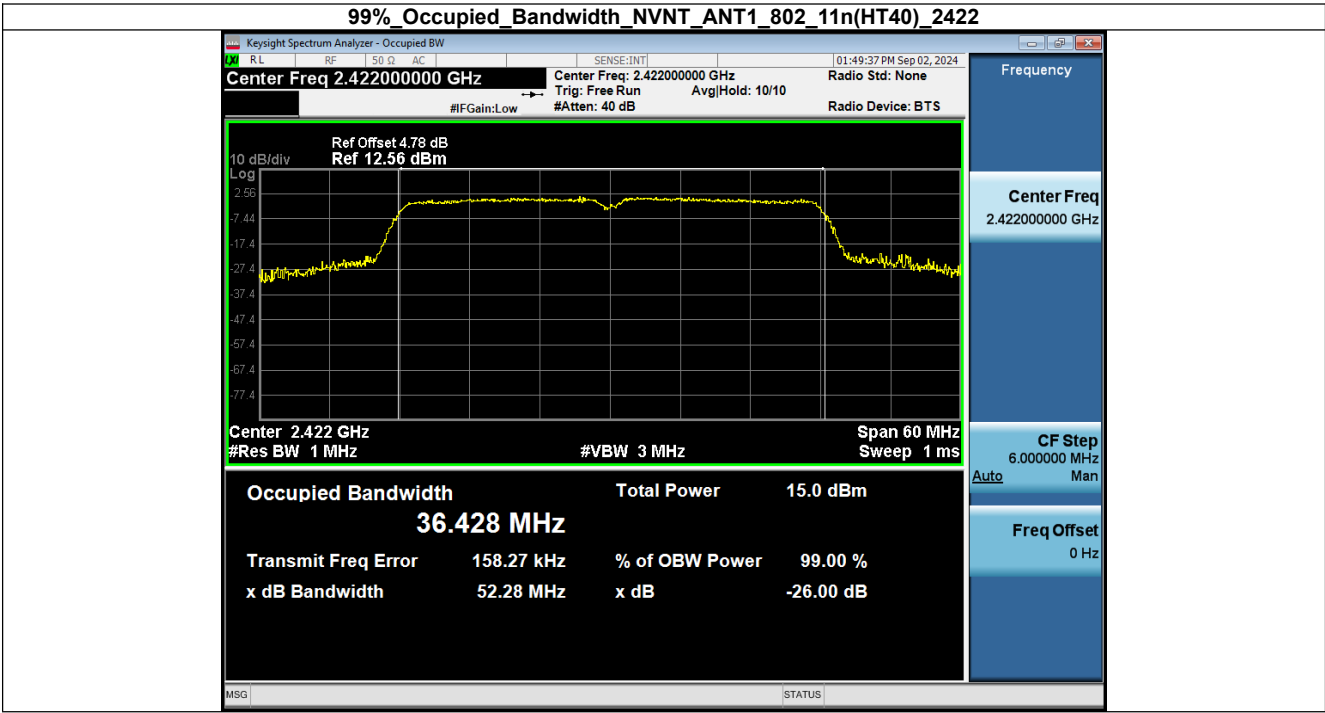


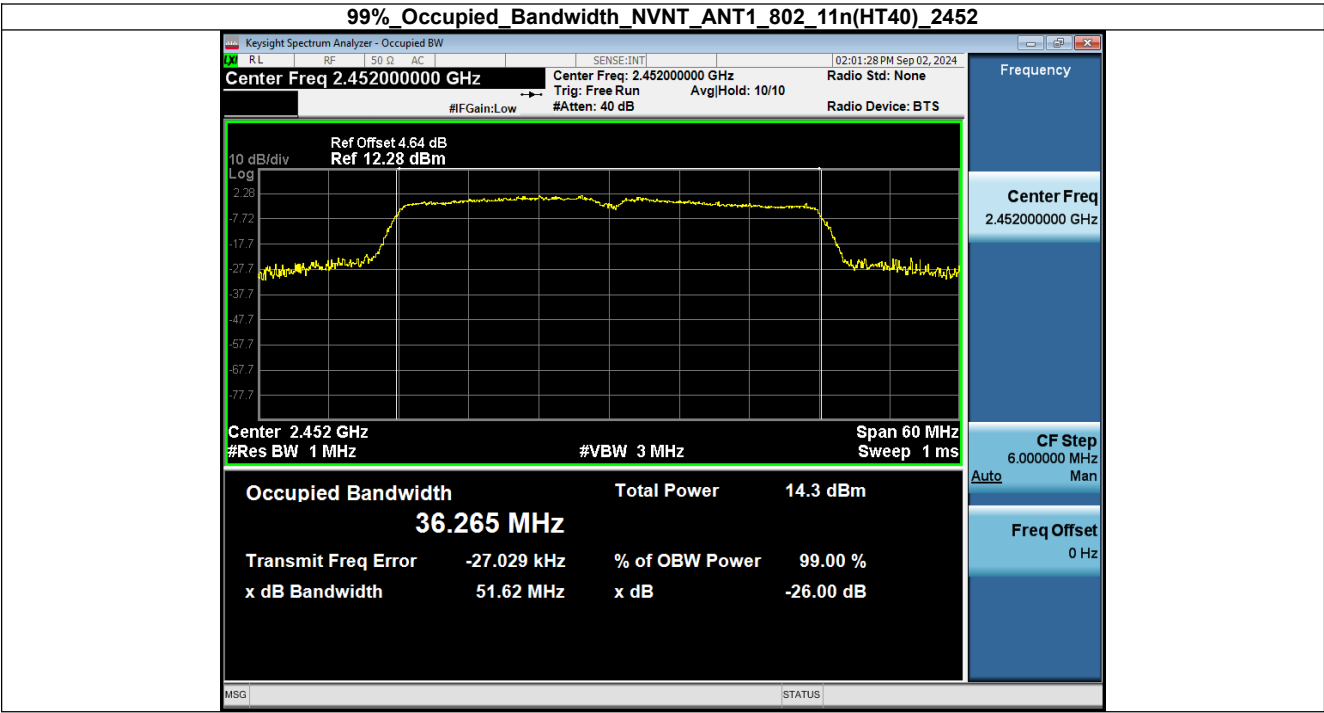
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2437



99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2462

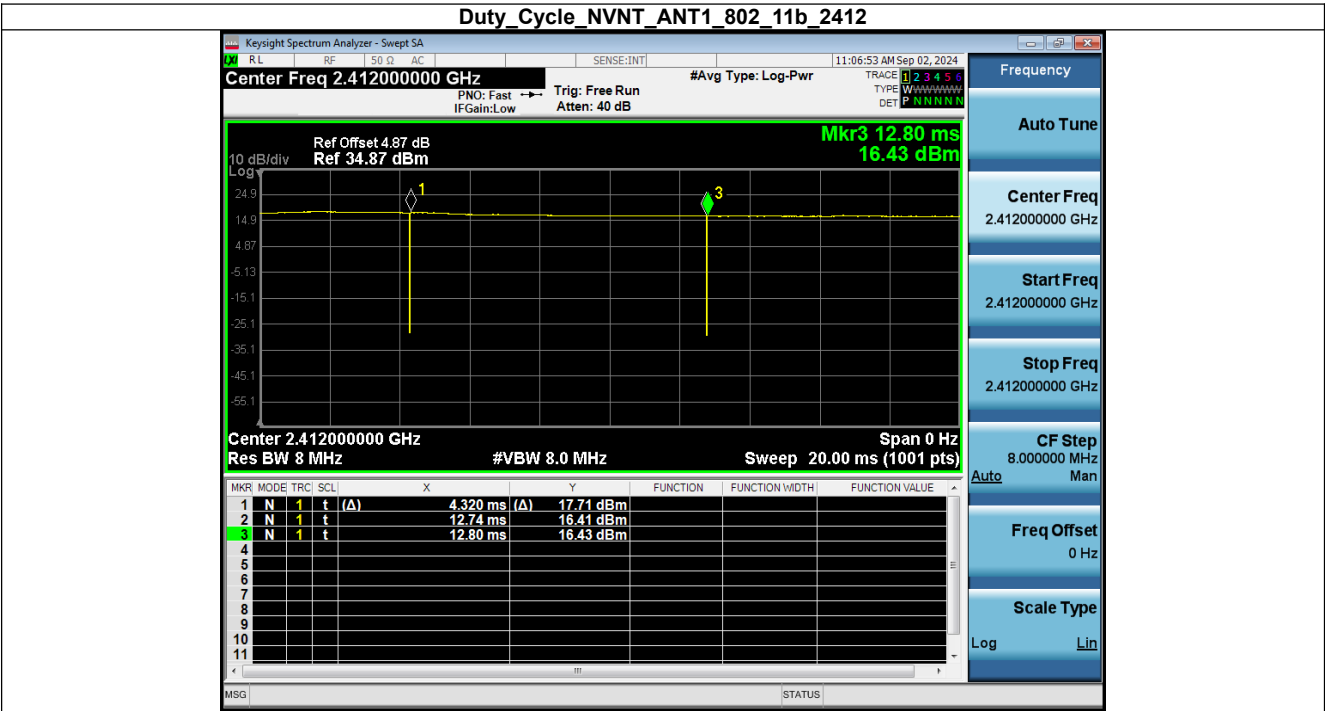




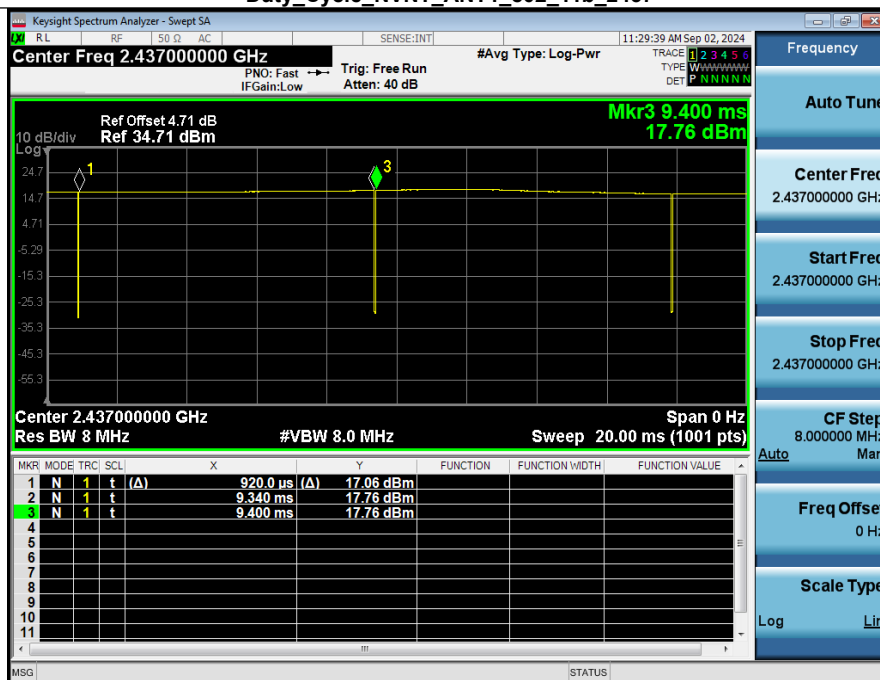


3. Duty Cycle

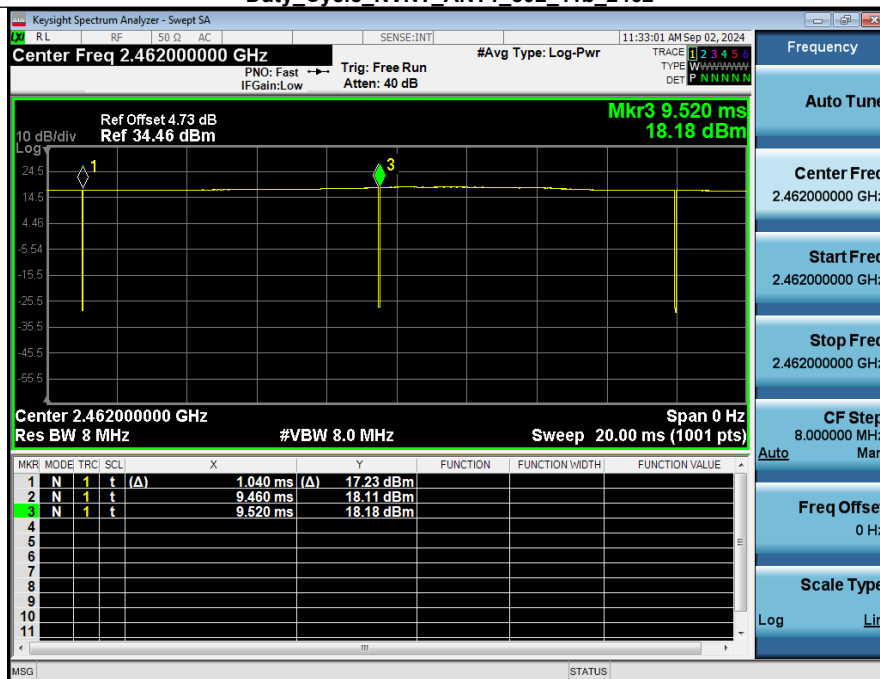
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.53	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	97.26	0.12
NVNT	ANT1	802.11g	2437.00	97.26	0.12
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	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	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



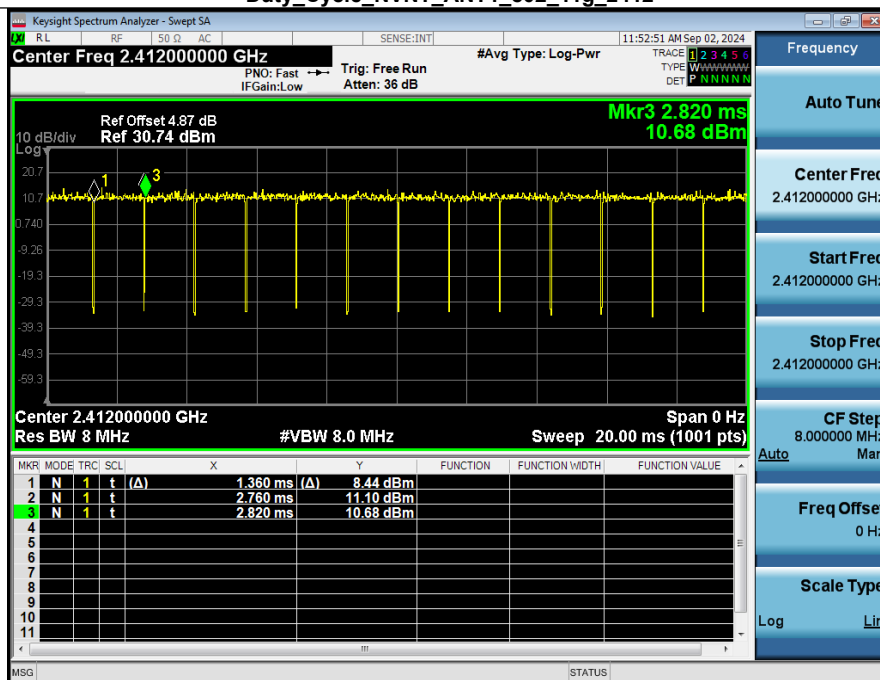
Duty Cycle NVNT_ANT1_802_11b_2437



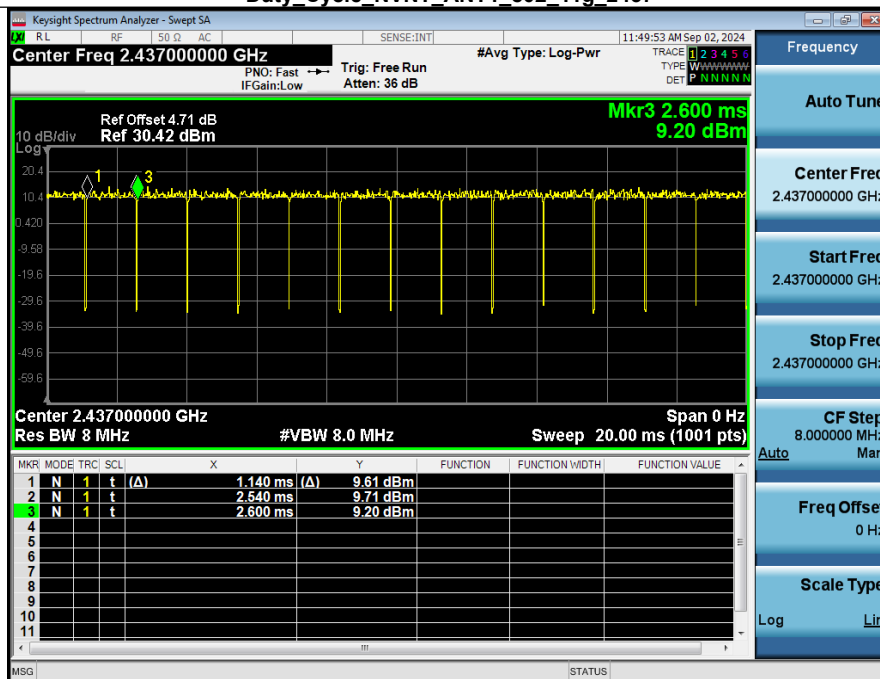
Duty Cycle NVNT_ANT1_802_11b_2462



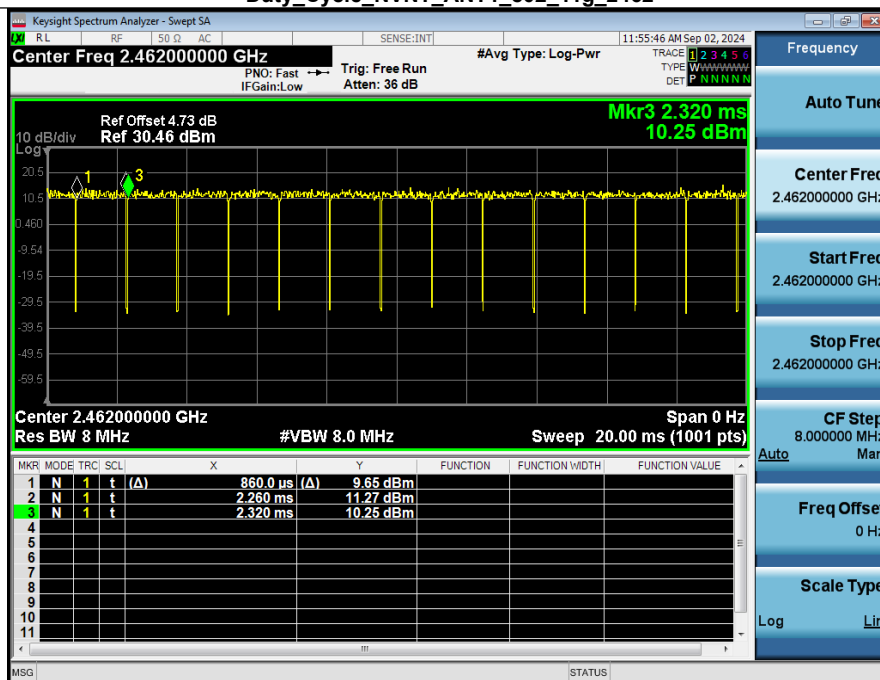
Duty Cycle NVNT_ANT1_802_11g_2412



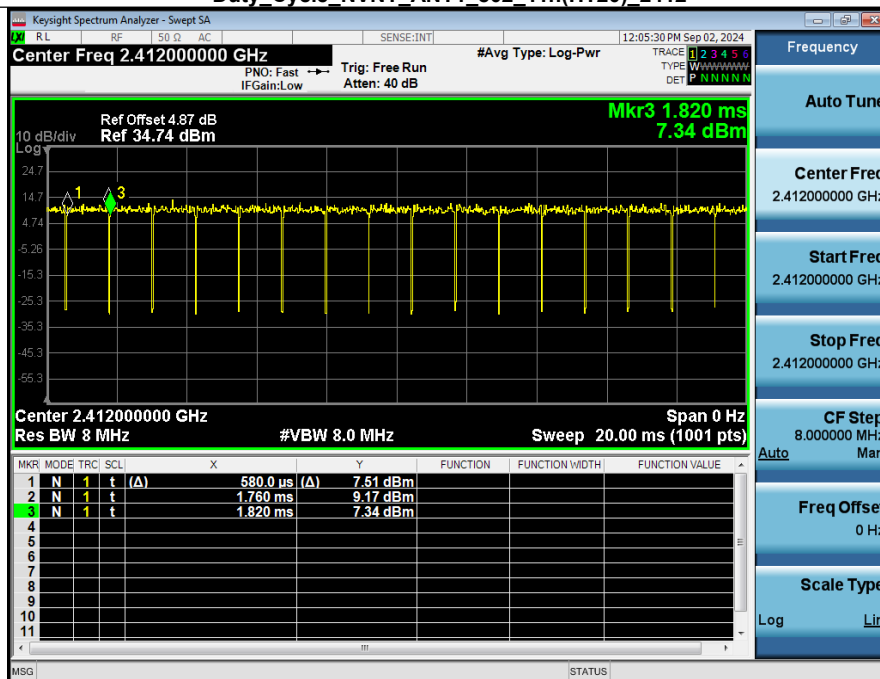
Duty Cycle NVNT_ANT1_802_11g_2437



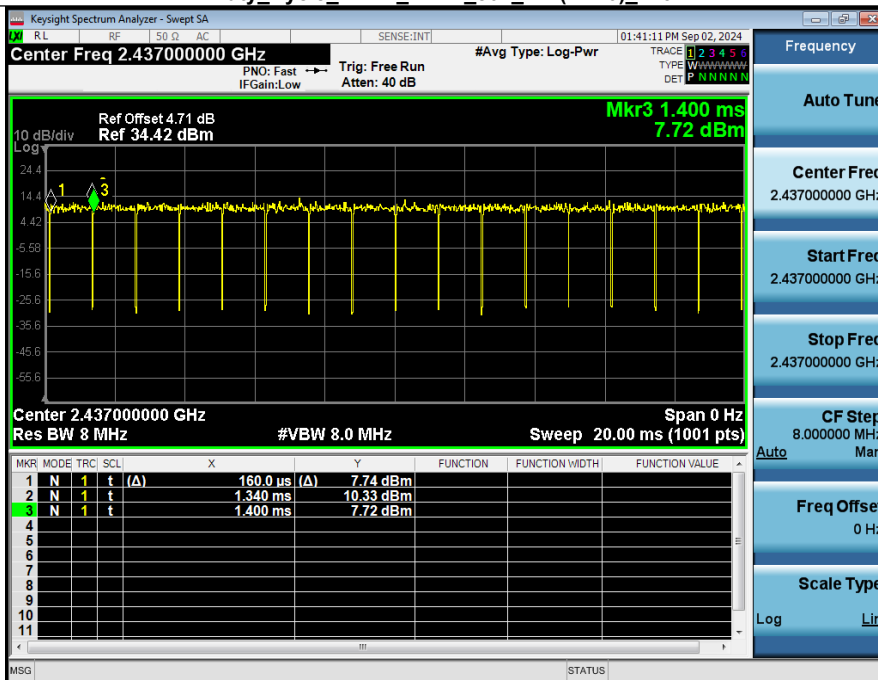
Duty Cycle NVNT_ANT1_802_11g_2462



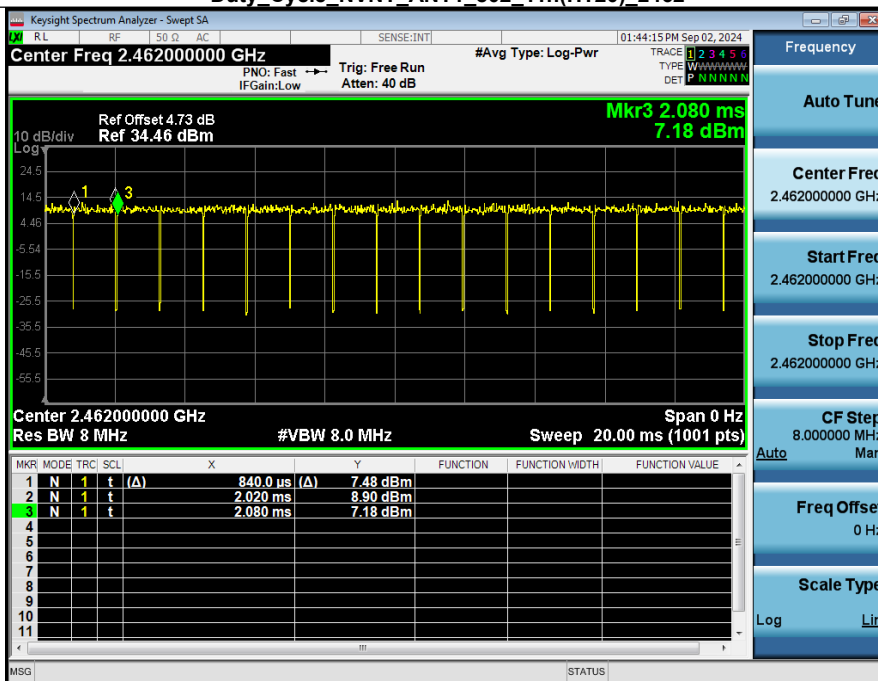
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



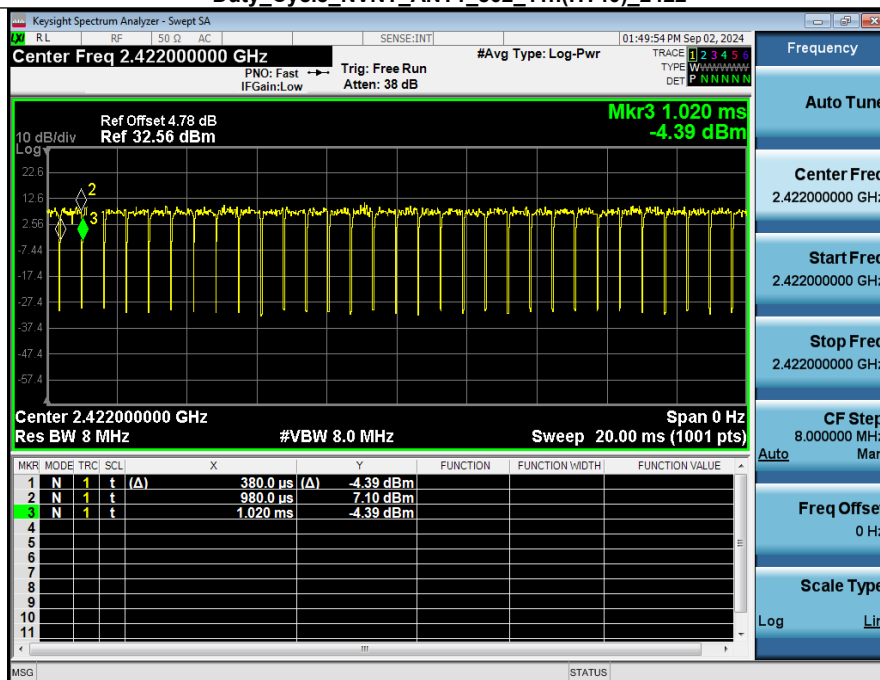
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



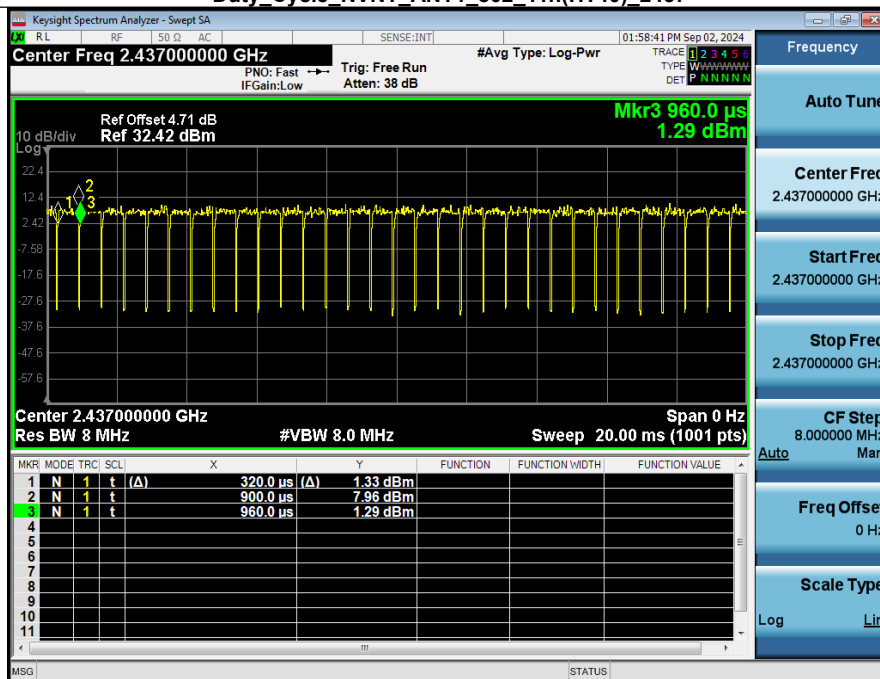
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



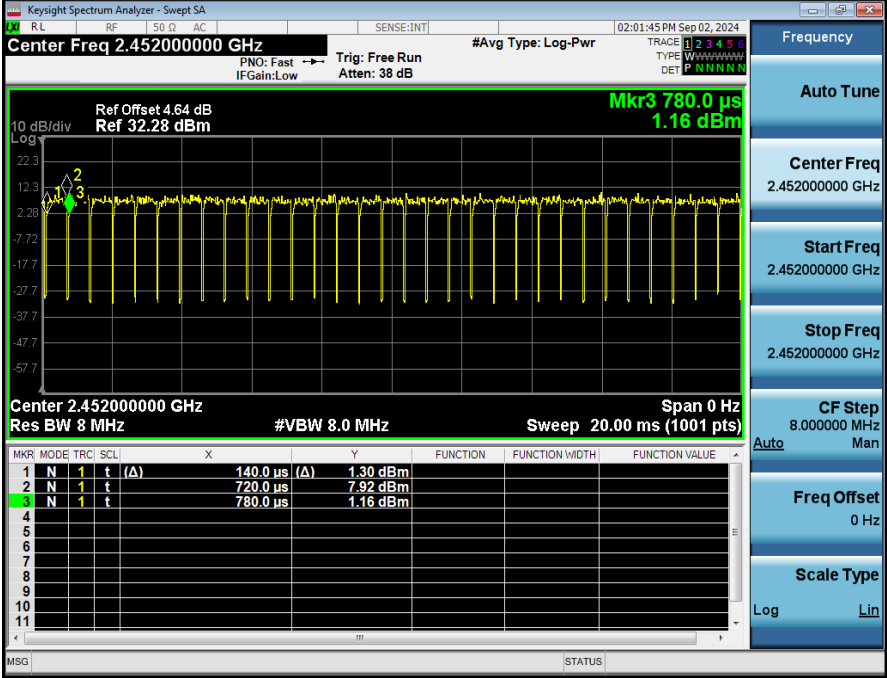
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437

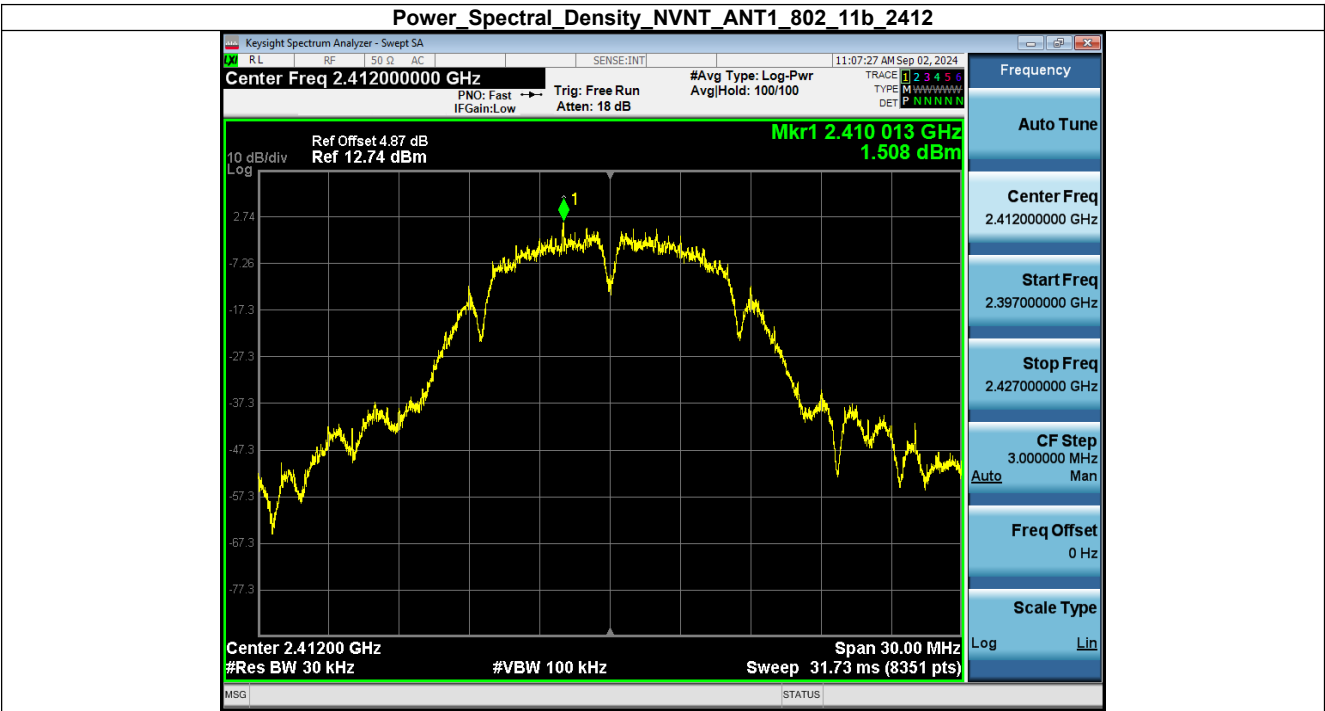


Duty Cycle NVNT_ANT1_802_11n(HT40)_2452



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	1.51	-10.00	-8.49	8	Pass
NVNT	ANT1	802.11b	2437.00	0.67	-10.00	-9.33	8	Pass
NVNT	ANT1	802.11b	2462.00	1.03	-10.00	-8.97	8	Pass
NVNT	ANT1	802.11g	2412.00	-8.89	-10.00	-18.89	8	Pass
NVNT	ANT1	802.11g	2437.00	-7.87	-10.00	-17.87	8	Pass
NVNT	ANT1	802.11g	2462.00	-6.97	-10.00	-16.97	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-9.63	-10.00	-19.63	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-9.96	-10.00	-19.96	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-10.15	-10.00	-20.15	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-12.63	-10.00	-22.63	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-12.88	-10.00	-22.88	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-12.45	-10.00	-22.45	8	Pass



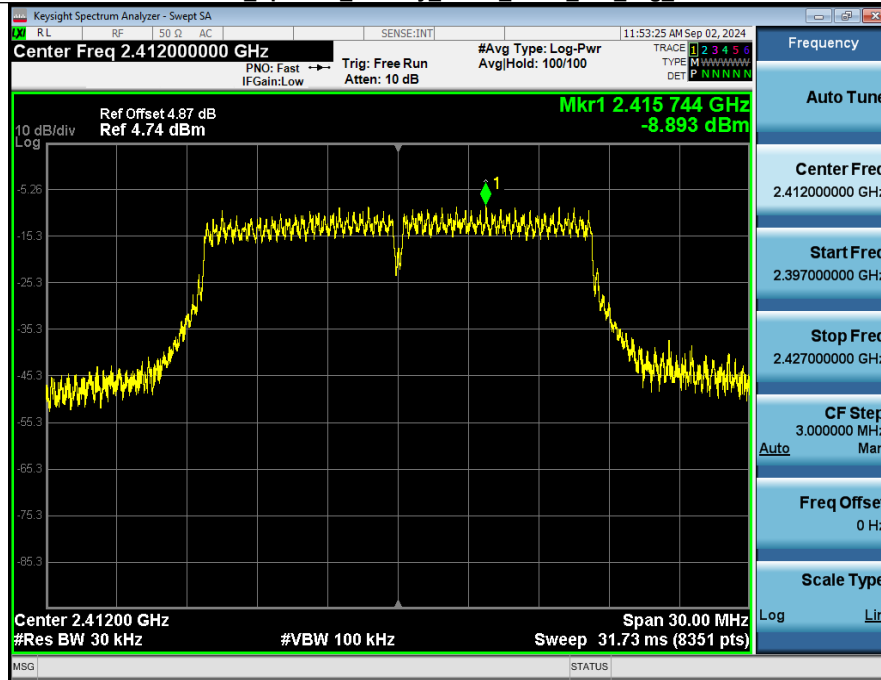
Power Spectral Density NVNT_ANT1_802_11b_2437



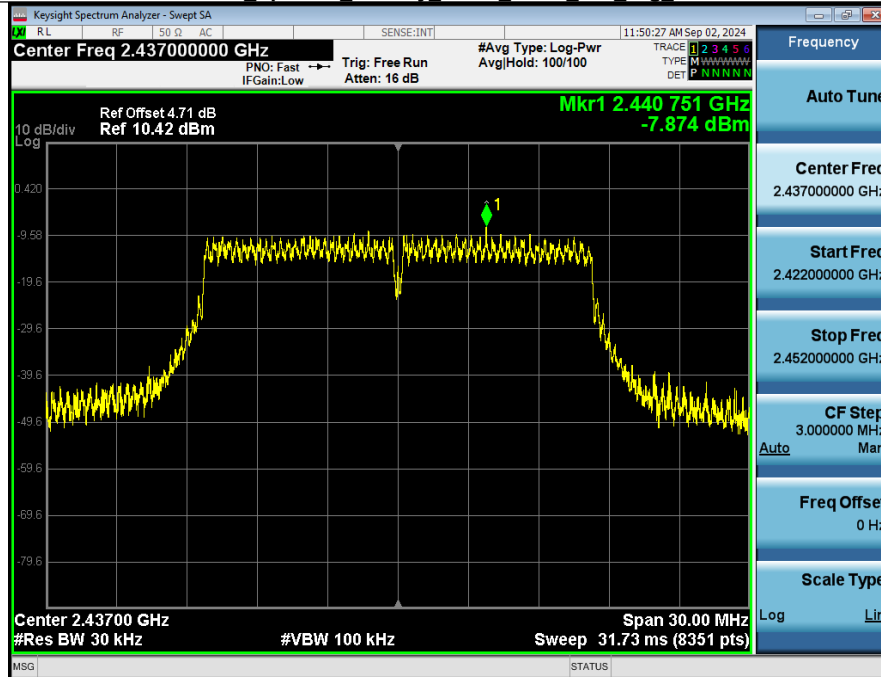
Power Spectral Density NVNT_ANT1_802_11b_2462



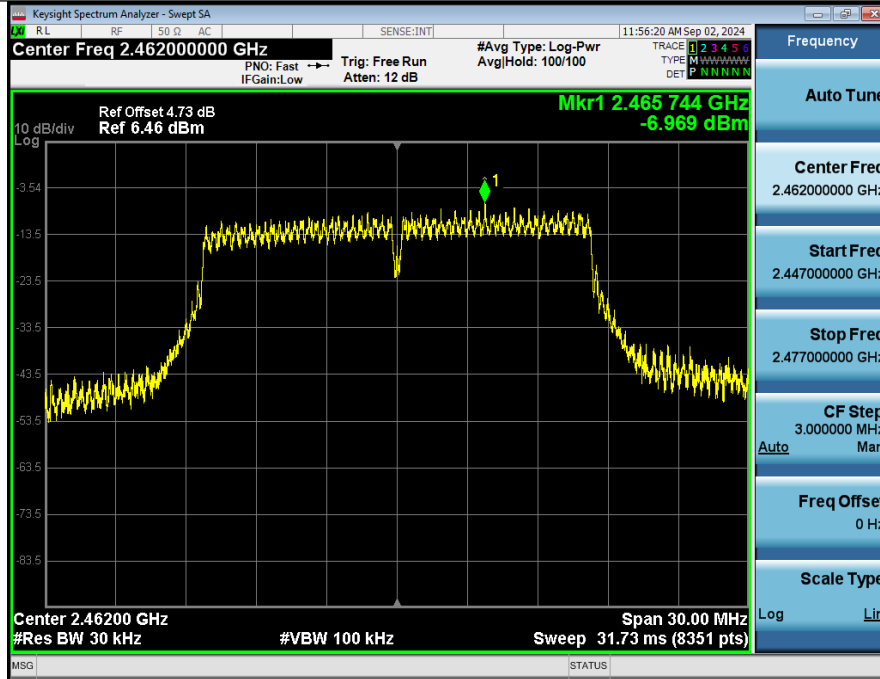
Power Spectral Density NVNT_ANT1_802_11g_2412



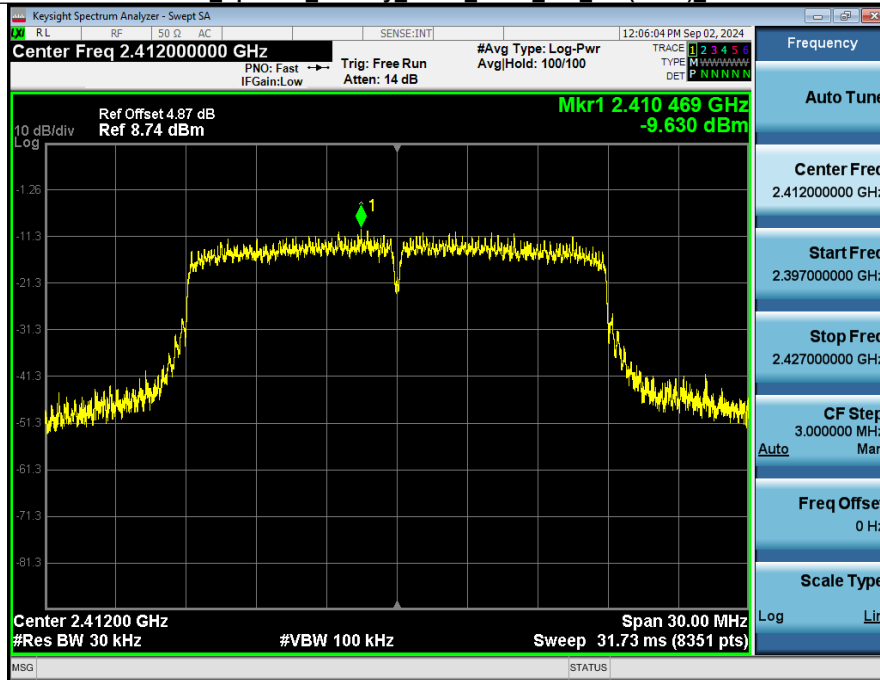
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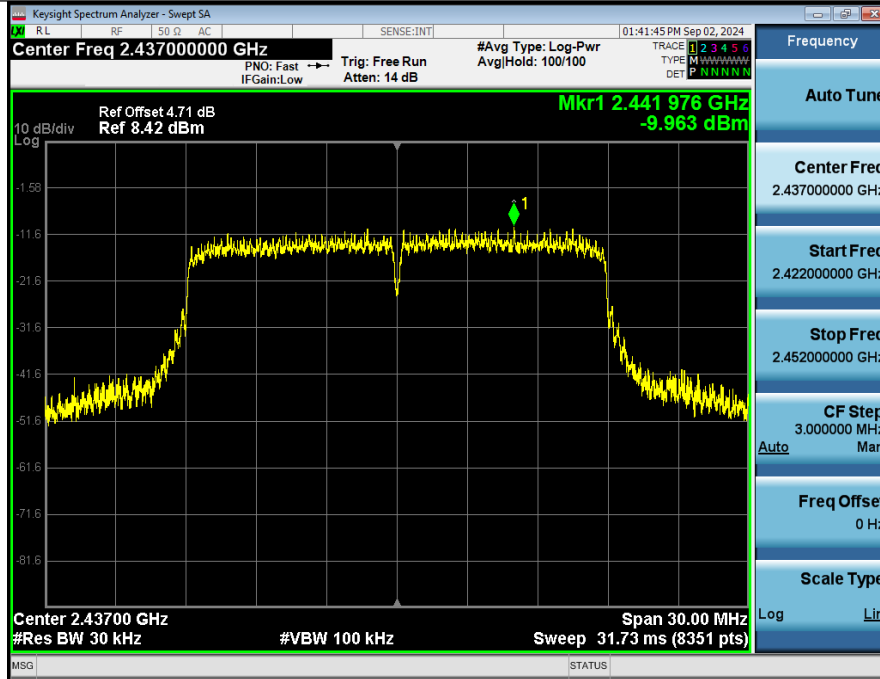
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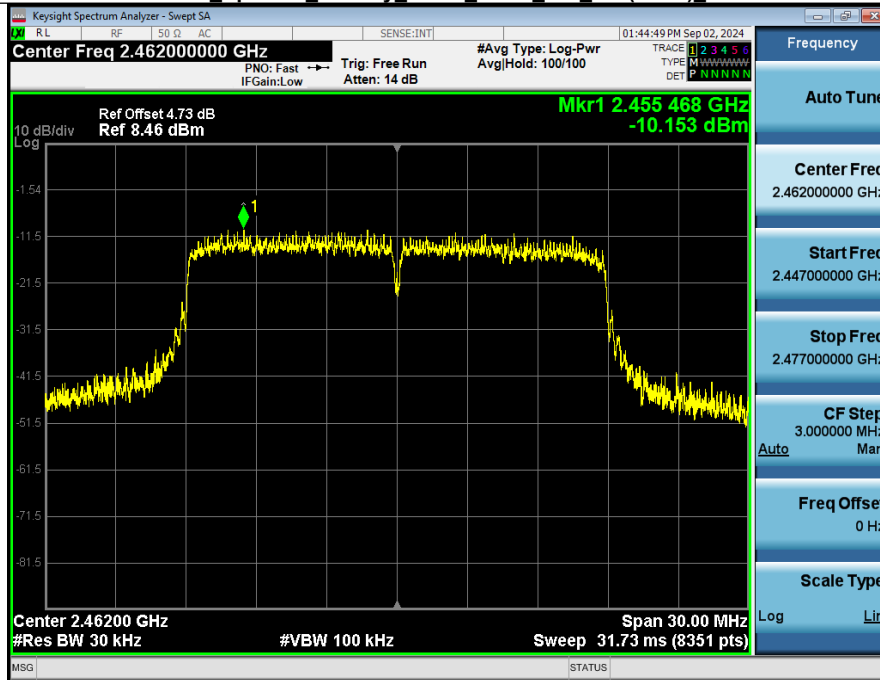
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



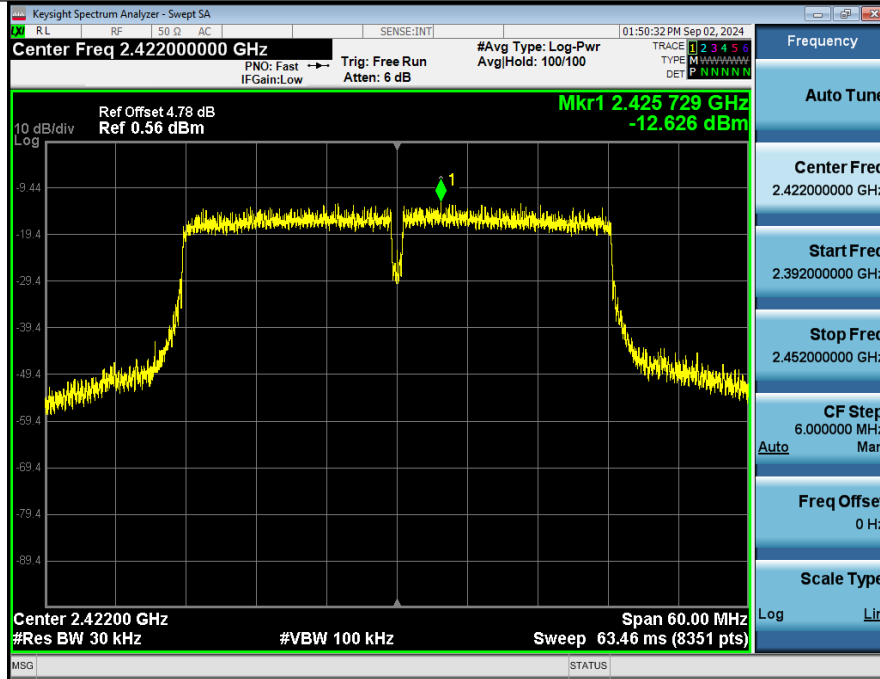
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



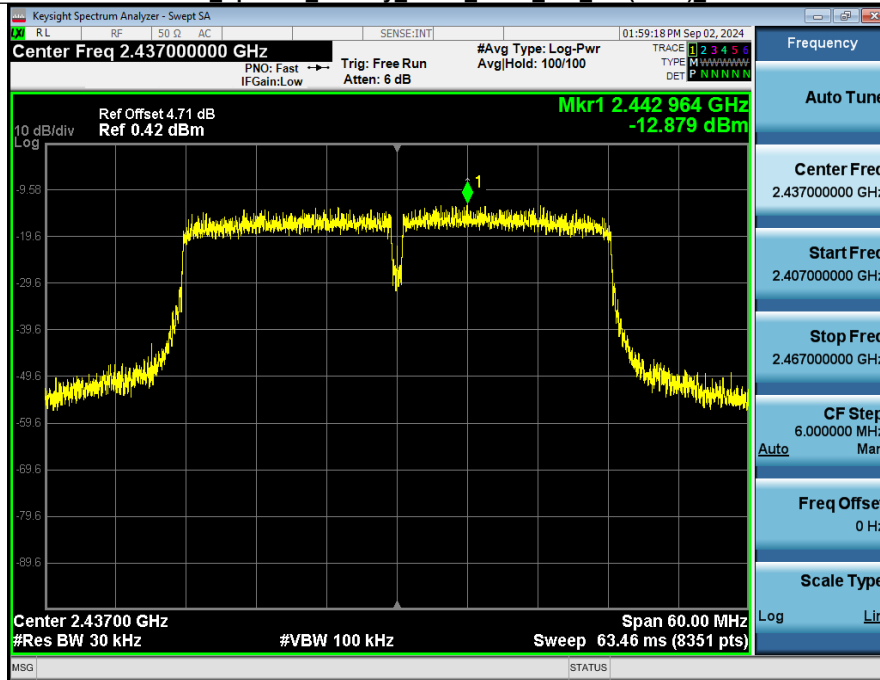
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462

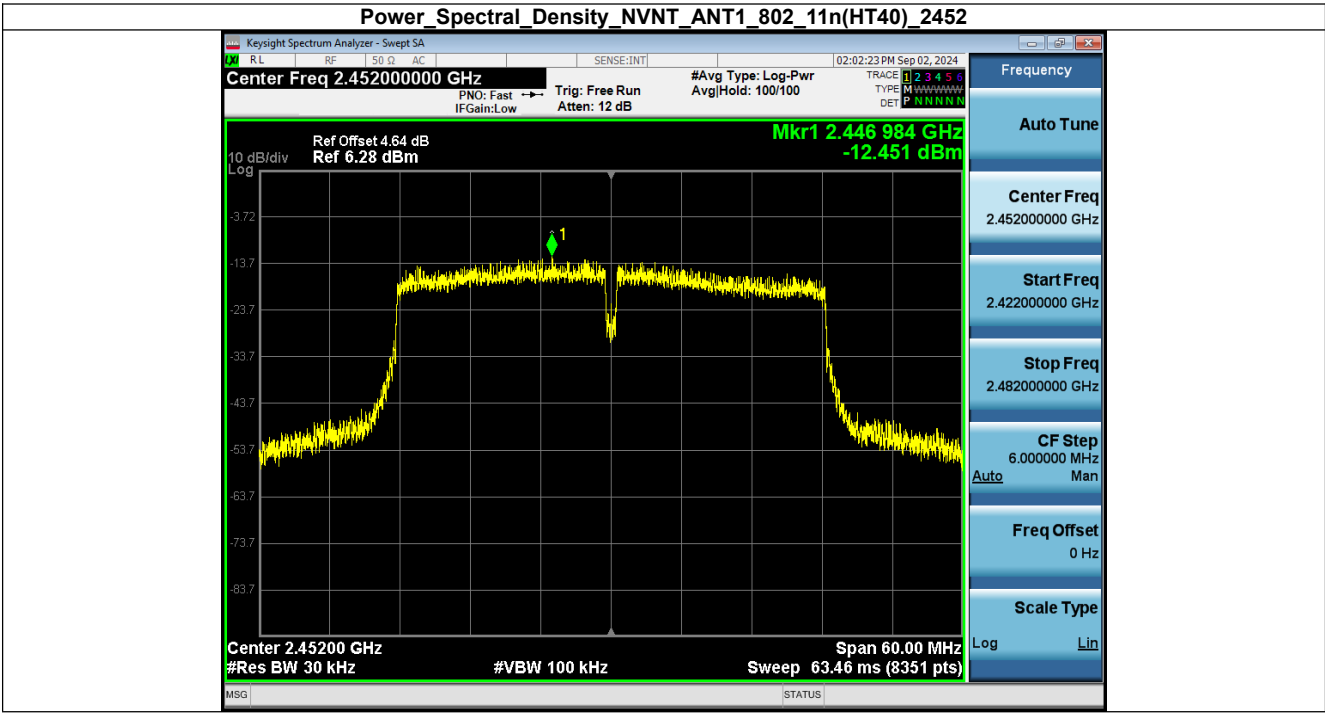


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2422



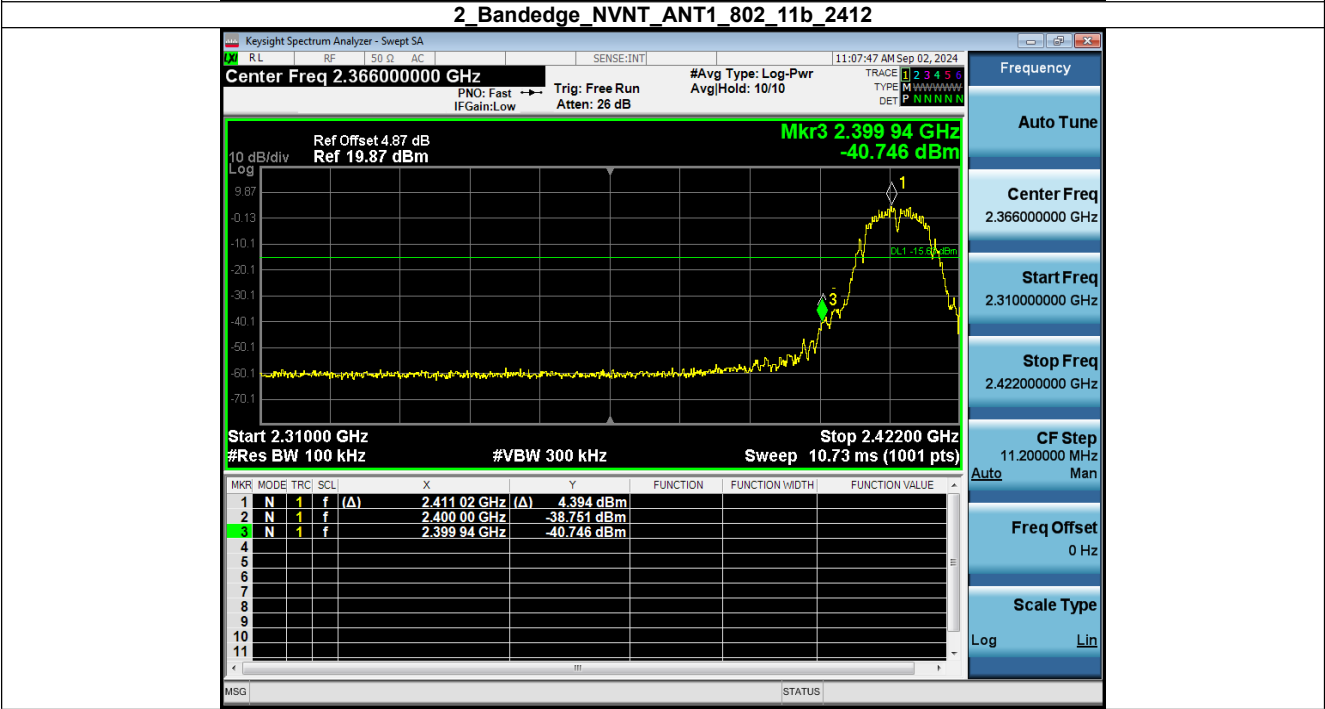
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2437





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	-40.746	-15.628	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	-56.090	-15.119	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	-34.256	-23.979	Pass
NVNT	ANT1	802.11g	2462.00	2485.168	-43.958	-23.121	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.152	-37.945	-25.819	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.920	-48.030	-25.095	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-38.769	-27.566	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-47.055	-27.742	Pass



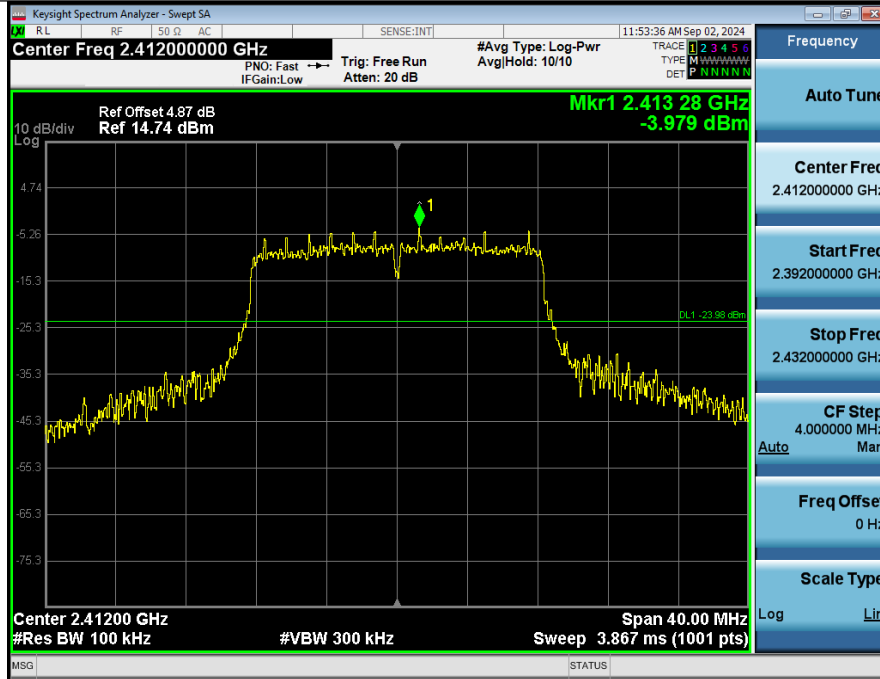
1 Reference_Level_NVNT_ANT1_802_11b_2462



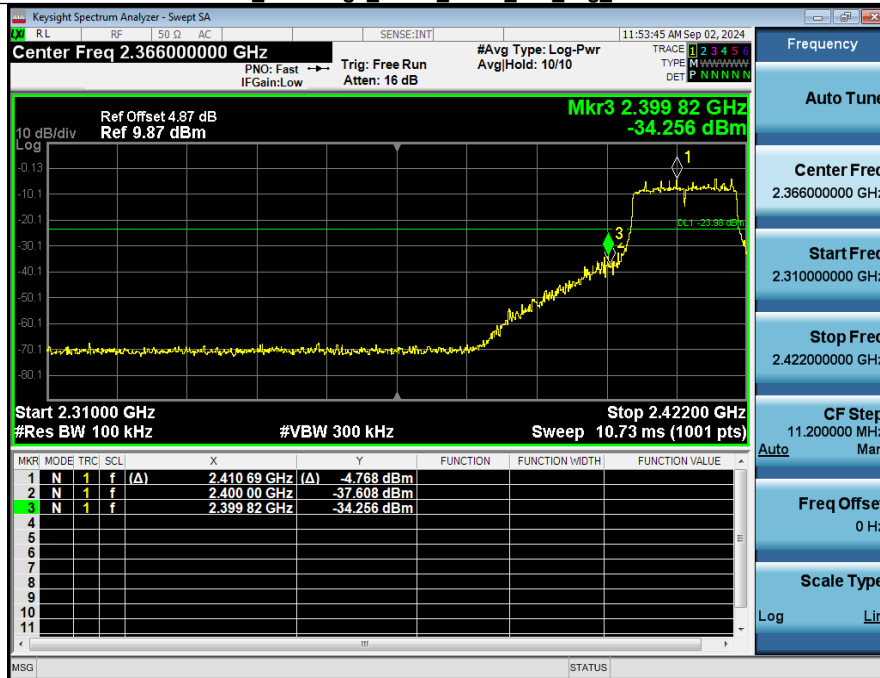
2 Bandedge_NVNT_ANT1_802_11b_2462



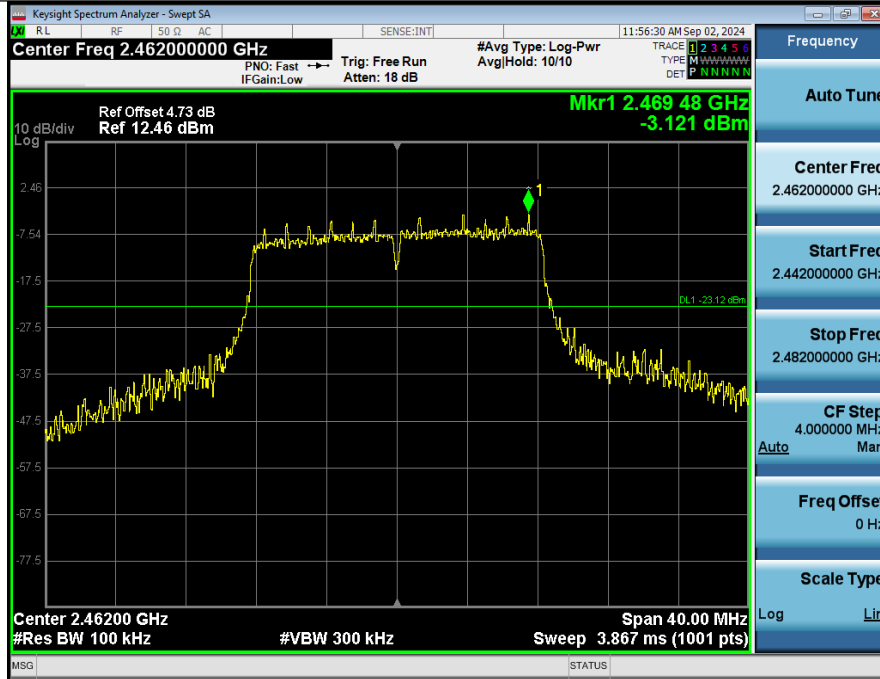
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2 Bandedge_NVNT_ANT1_802_11g_2412



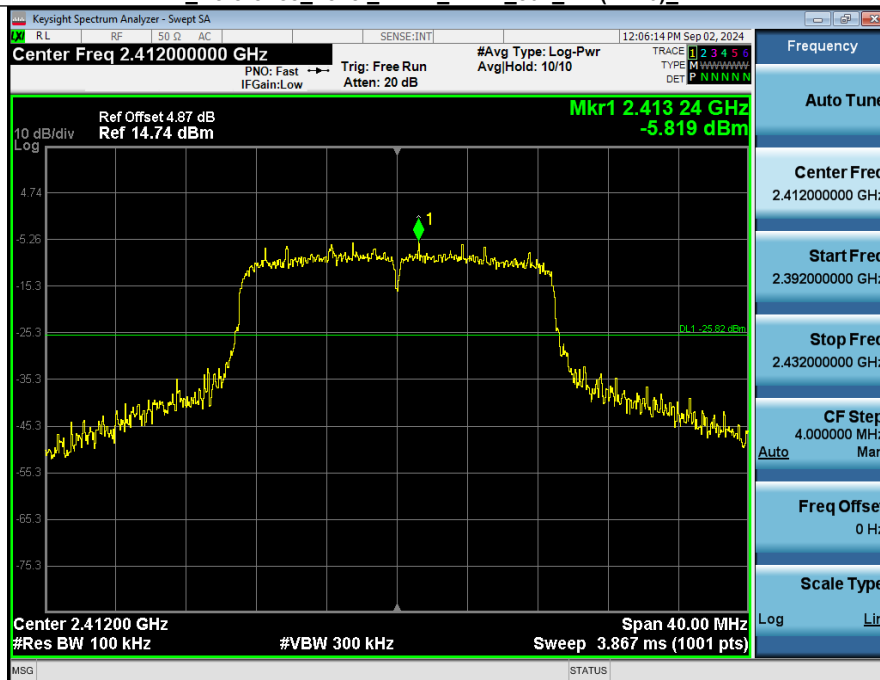
1 Reference Level_NVNT_ANT1_802_11g_2462



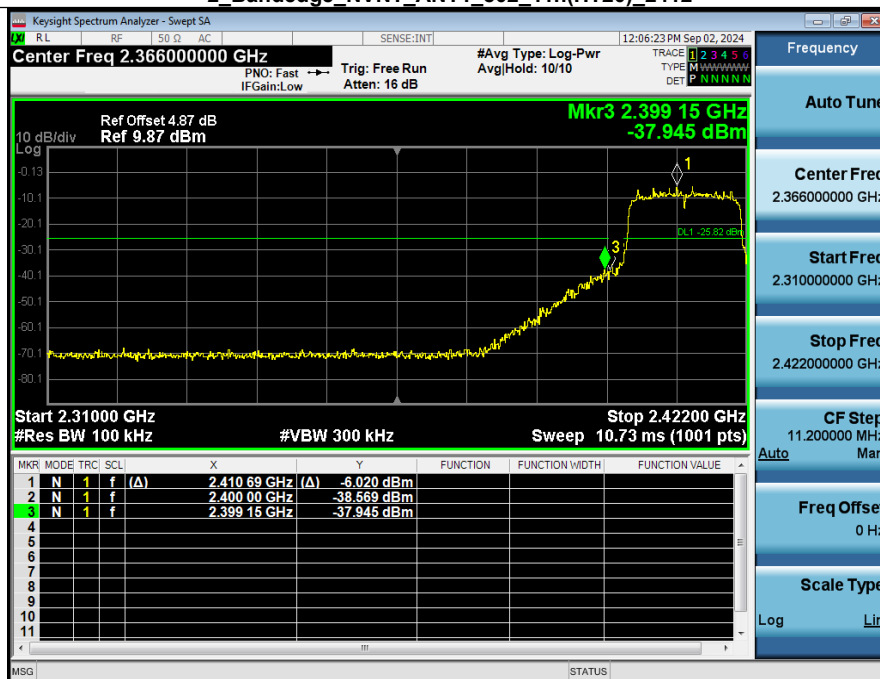
2 Bandedge_NVNT_ANT1_802_11g_2462



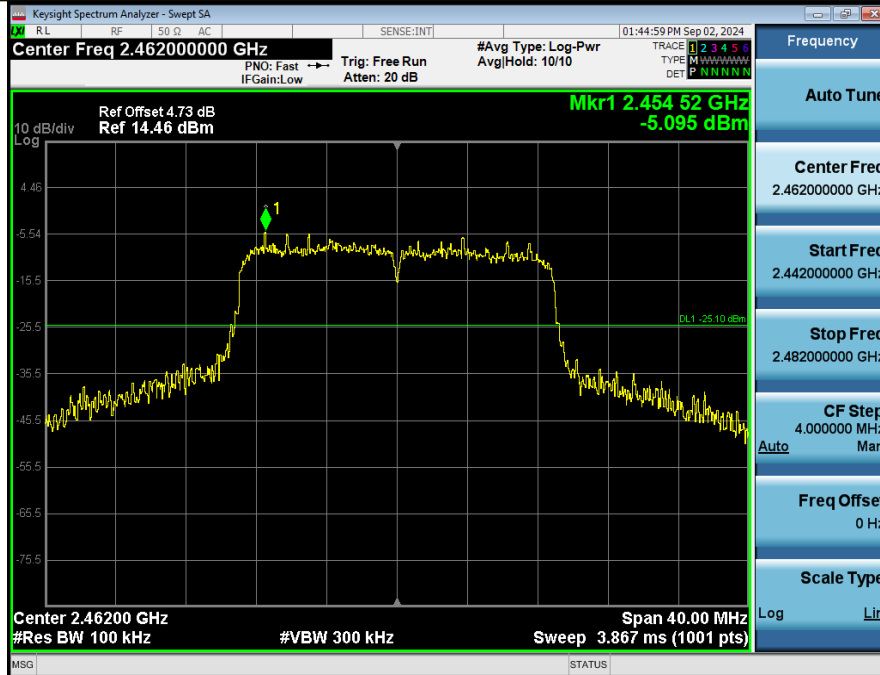
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



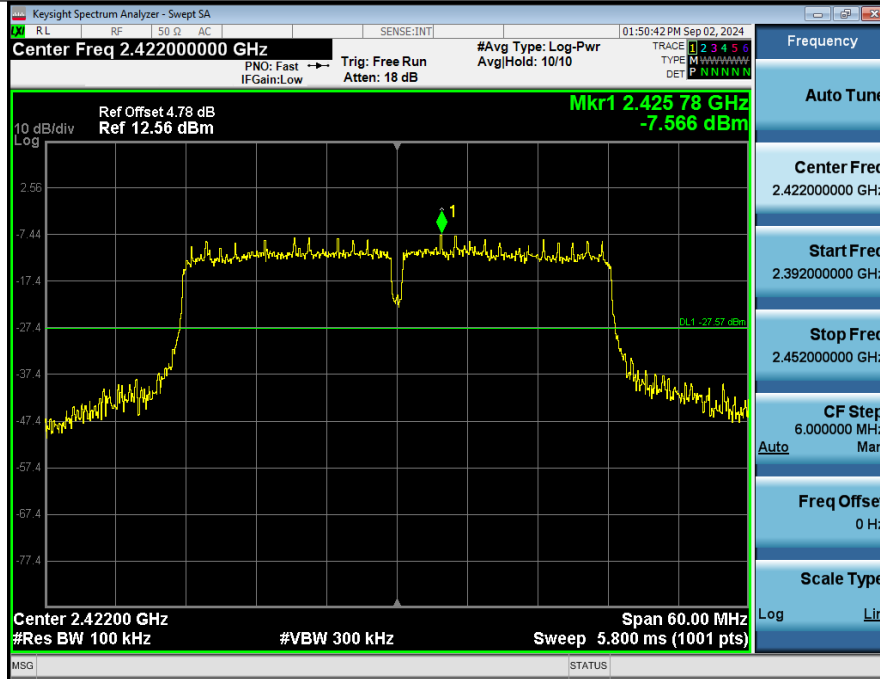
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



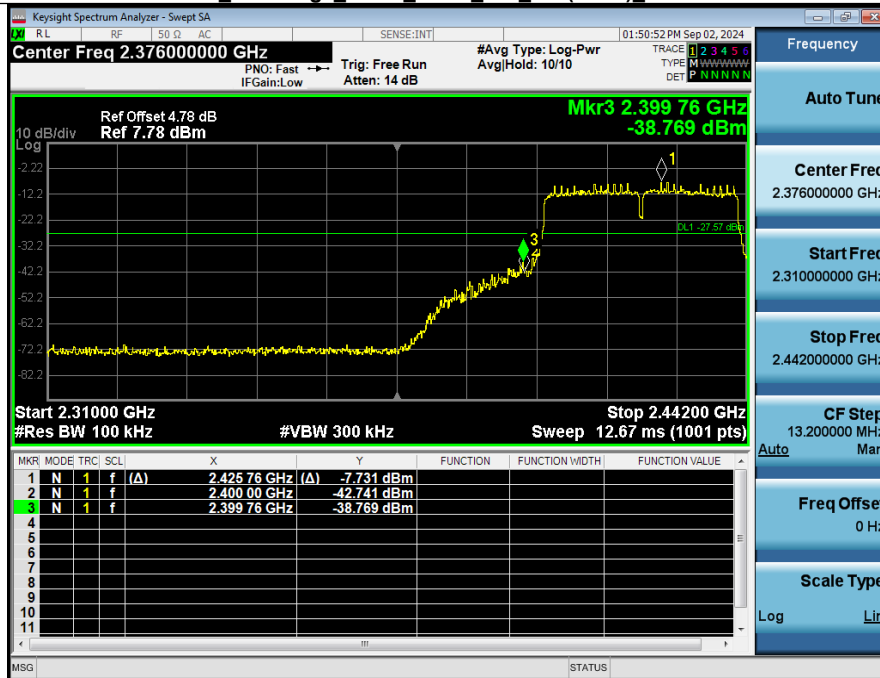
2 Bandedge NVNT_ANT1_802_11n(HT20)_2462



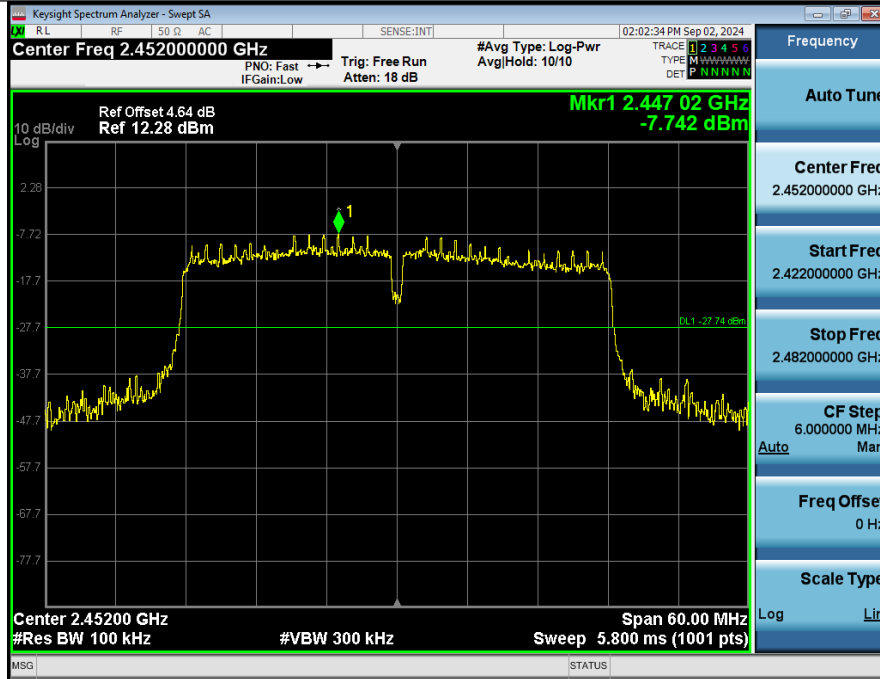
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

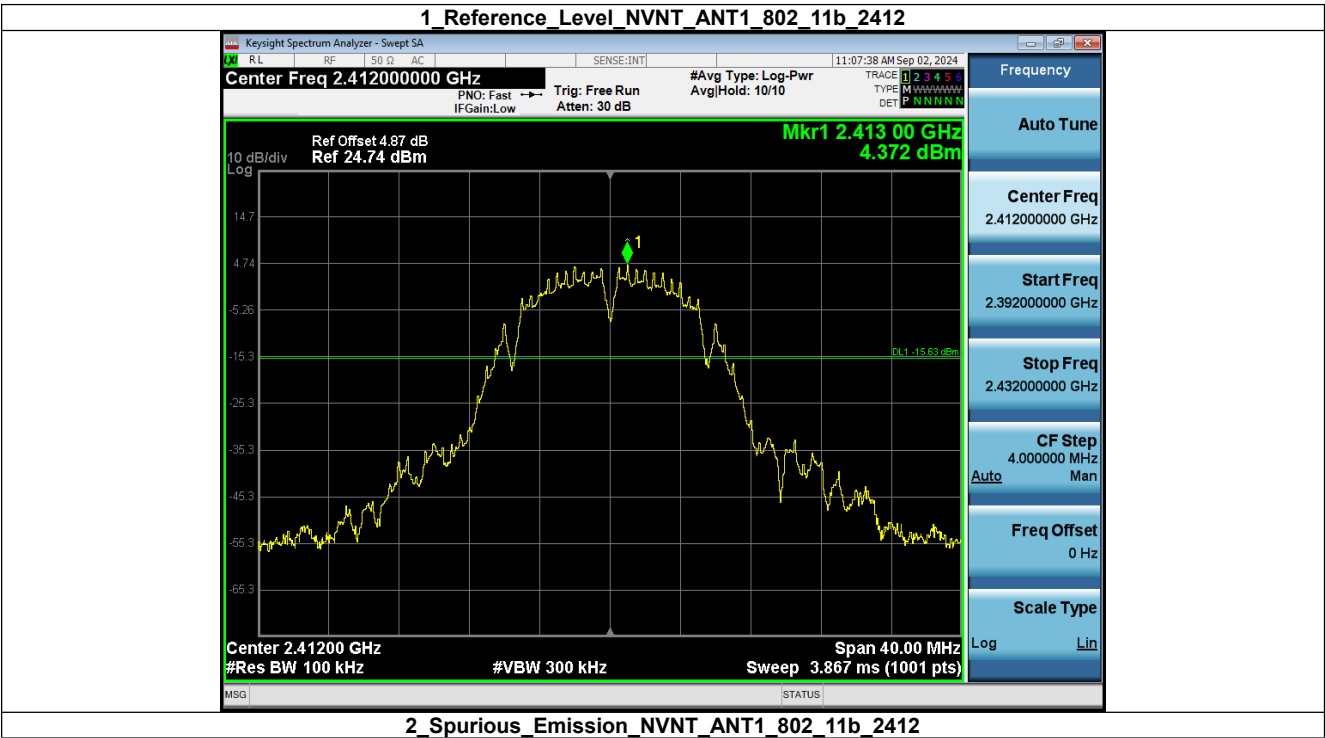


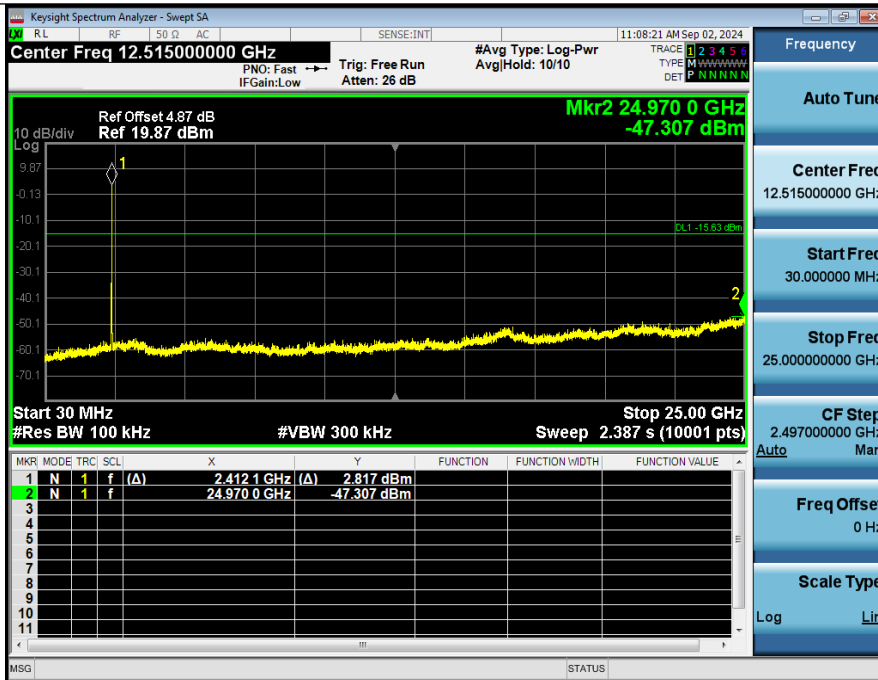
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



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	24970.036	-47.307	-15.628	Pass
NVNT	ANT1	802.11b	2437.00	24947.563	-45.539	-16.056	Pass
NVNT	ANT1	802.11b	2462.00	24647.923	-46.940	-15.298	Pass
NVNT	ANT1	802.11g	2412.00	24970.036	-57.100	-23.979	Pass
NVNT	ANT1	802.11g	2437.00	24982.521	-54.621	-24.403	Pass
NVNT	ANT1	802.11g	2462.00	5226.257	-56.881	-23.121	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24975.030	-57.482	-25.819	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24972.533	-61.909	-26.057	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24937.575	-57.639	-25.095	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	5196.293	-56.245	-27.566	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24997.503	-58.351	-27.911	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	5218.766	-58.358	-27.742	Pass

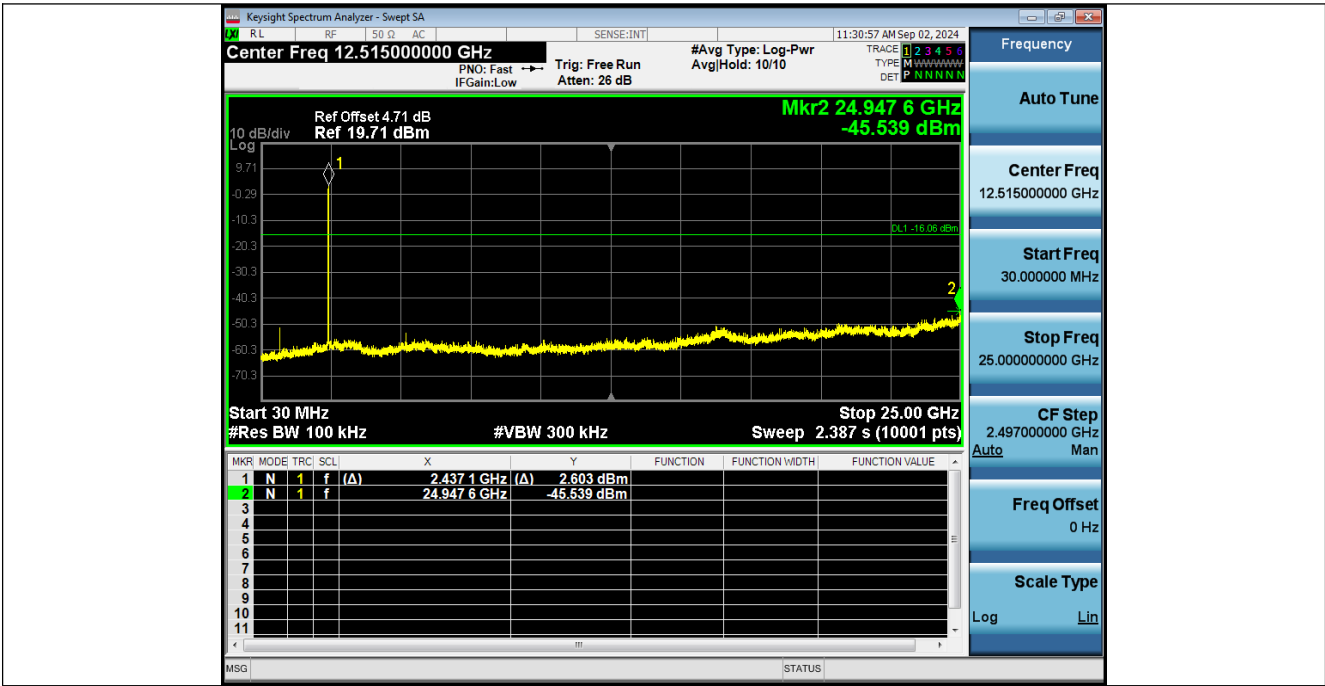




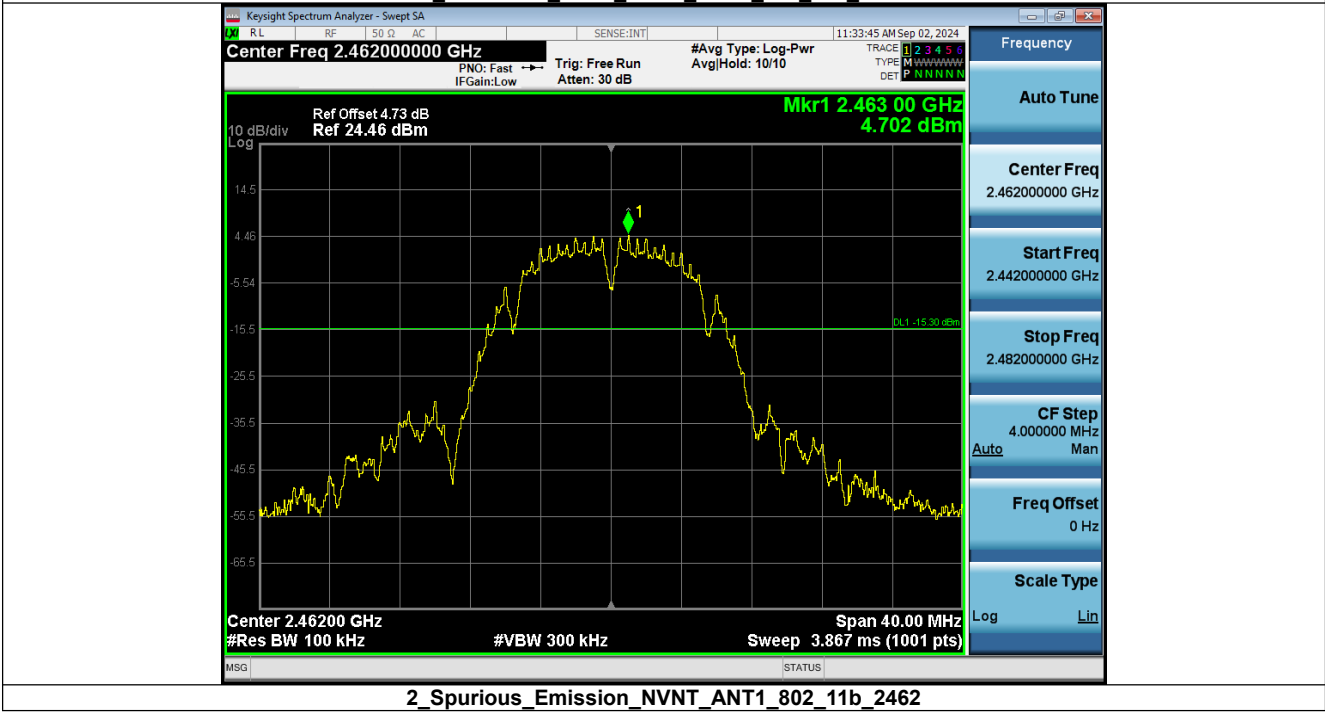
1 Reference Level NVNT_ANT1_802_11b_2437



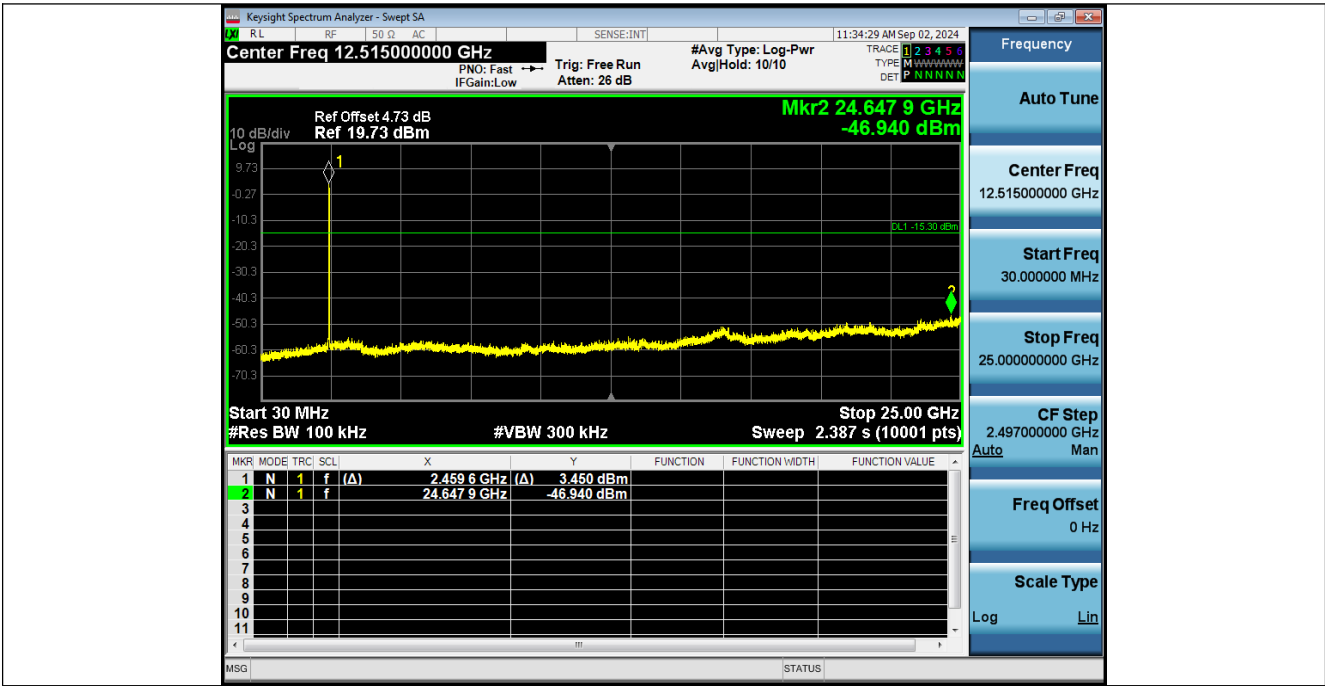
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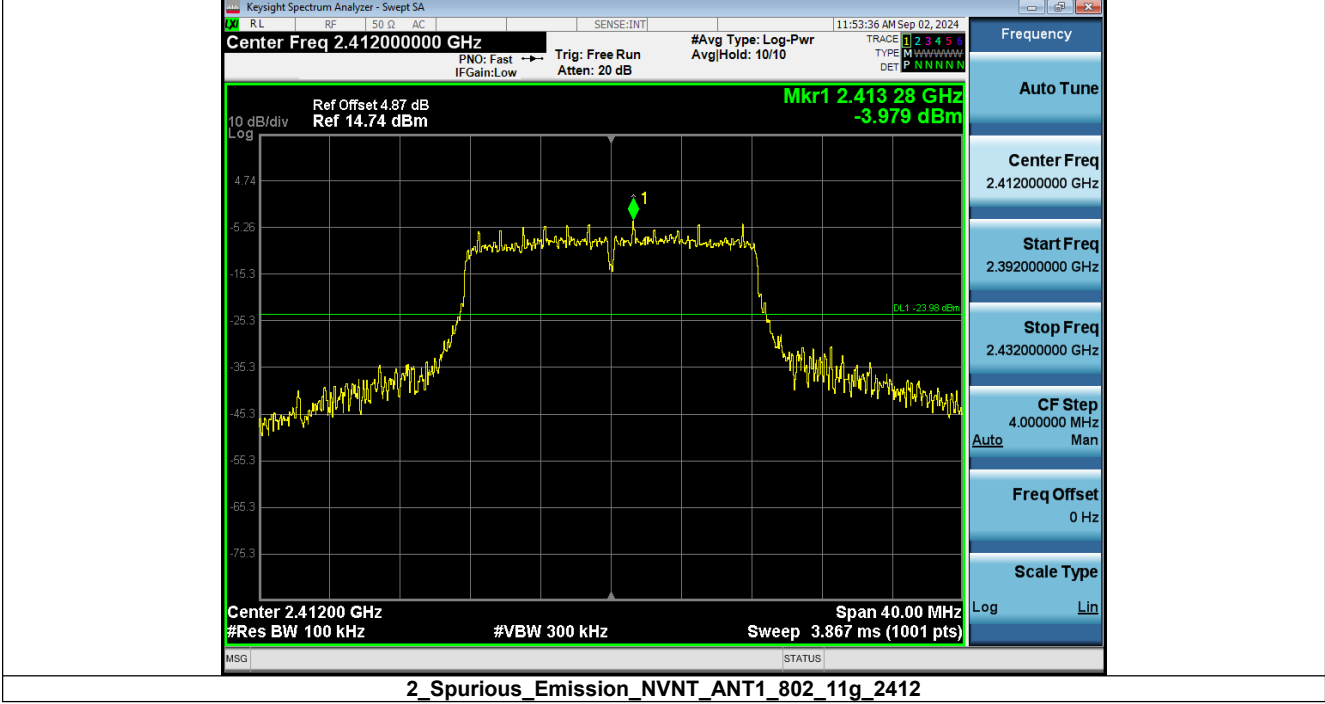
1 Reference Level NVNT_ANT1_802_11b_2462



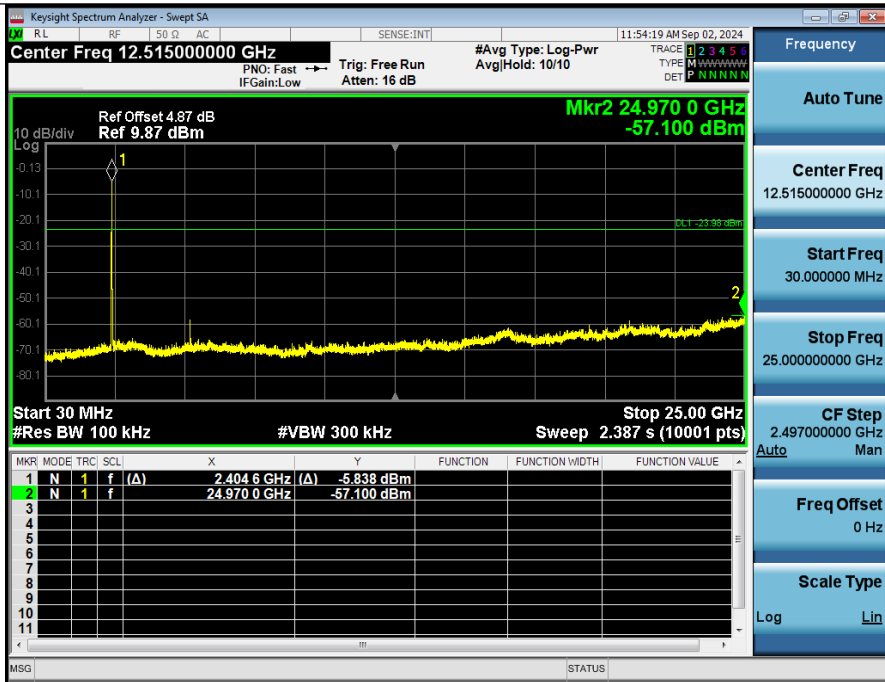
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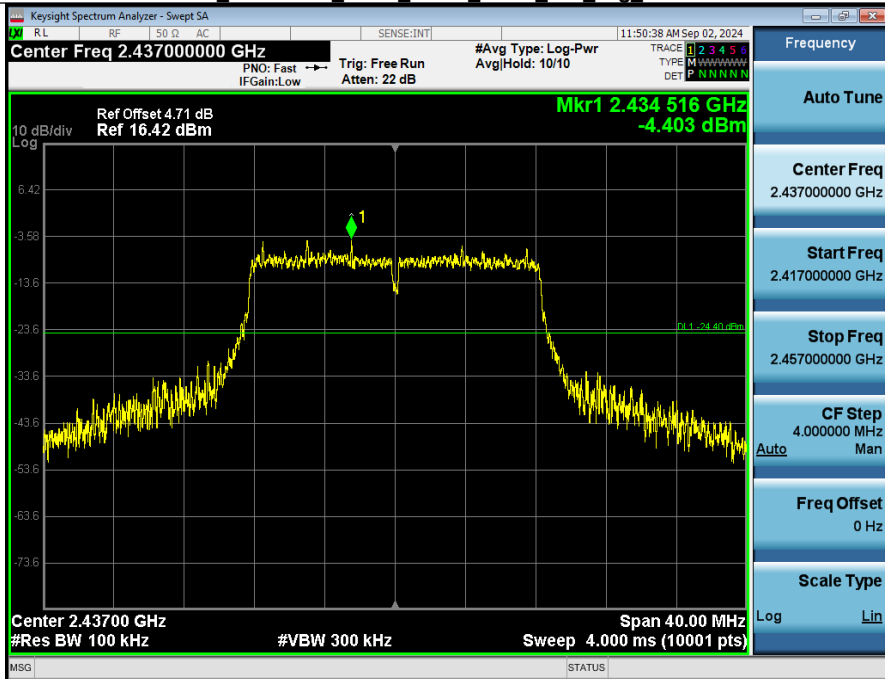
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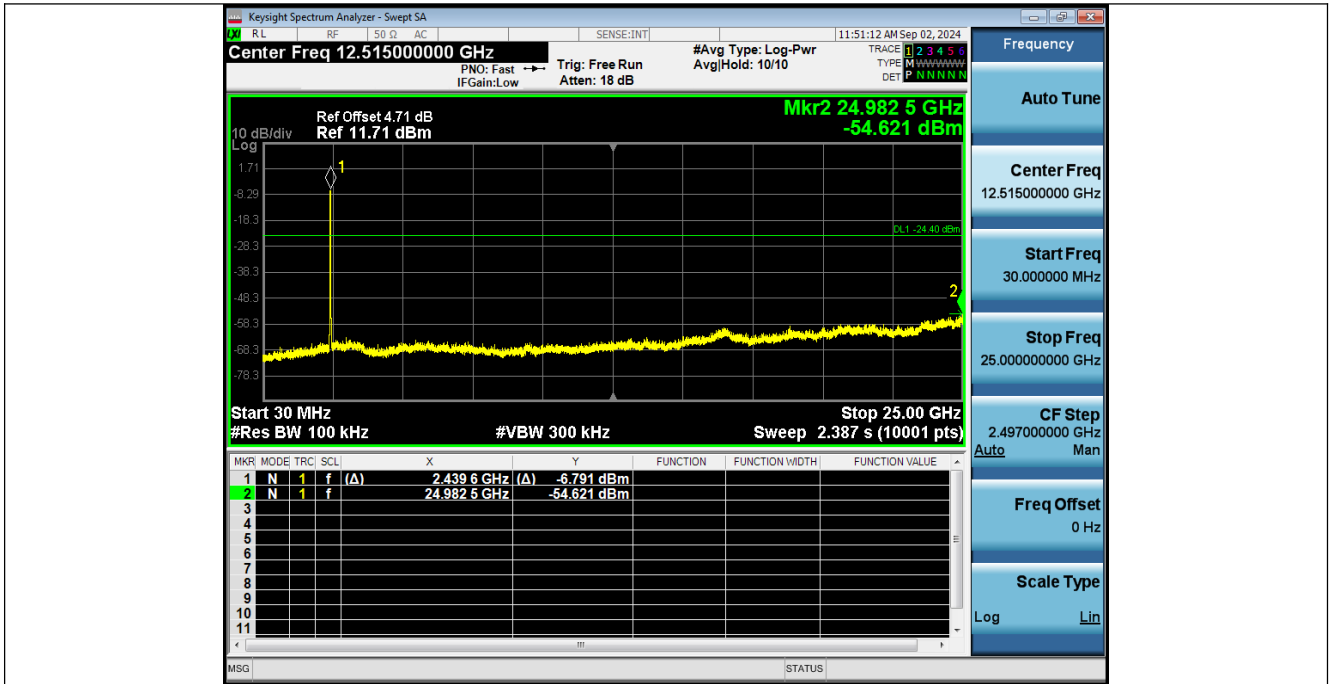
2 Spurious_Emission_NVNT_ANT1_802_11g_2412



1 Reference Level NVNT_ANT1_802_11g_2437



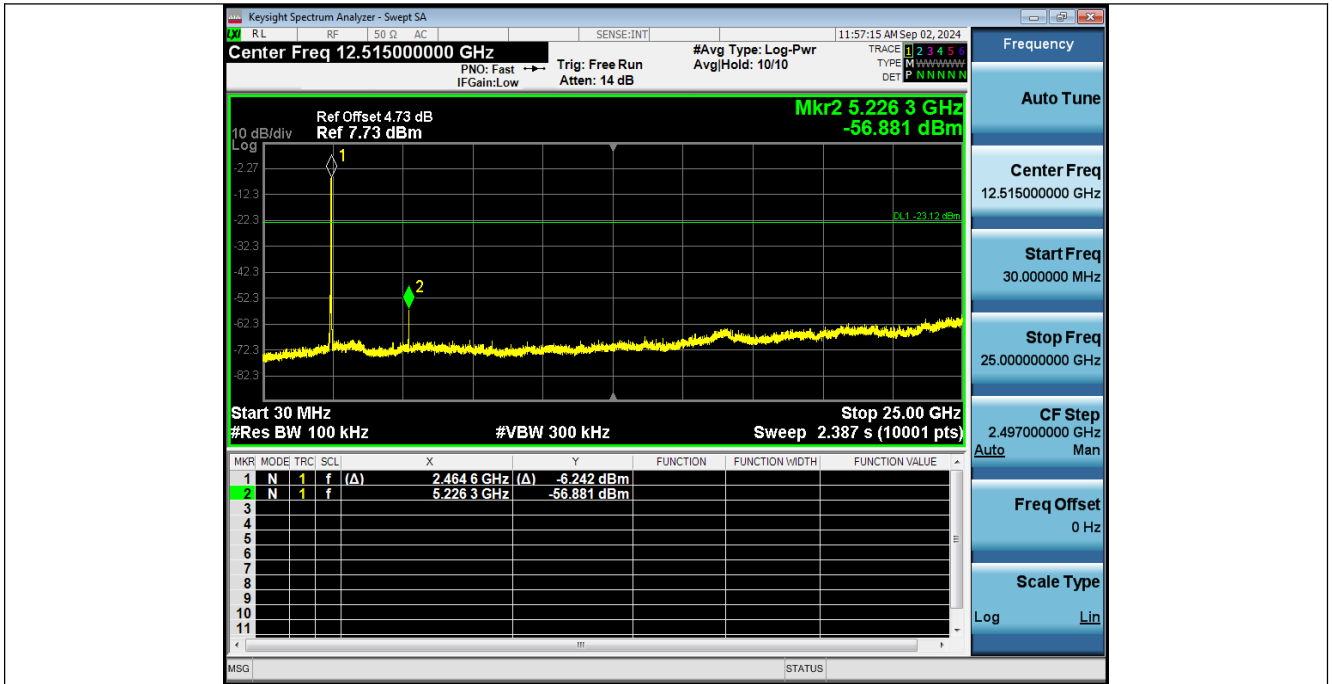
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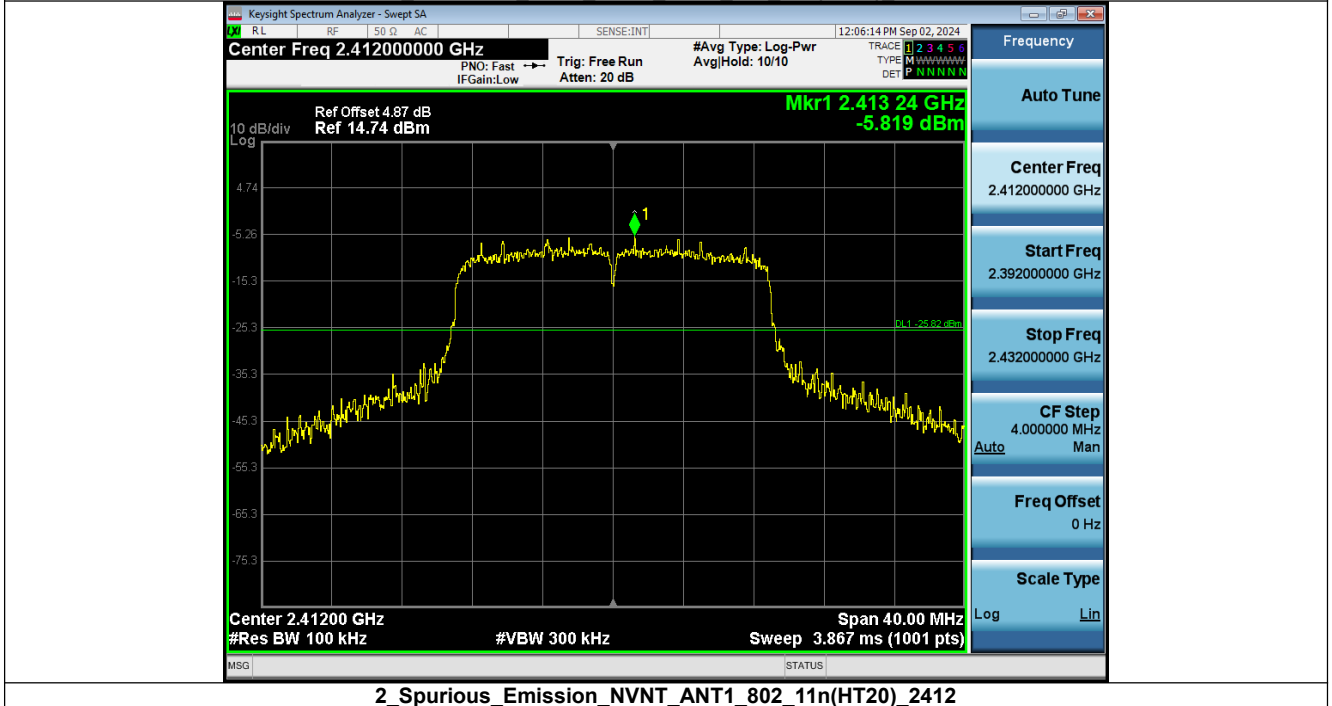
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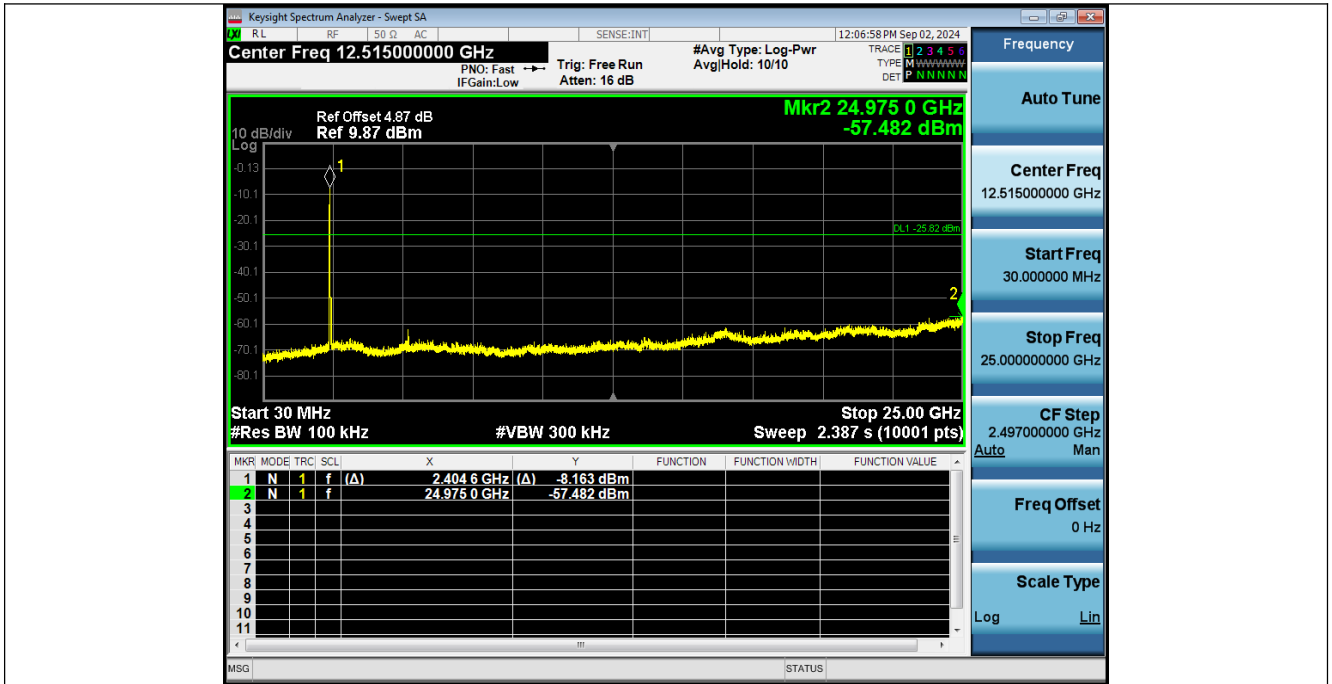
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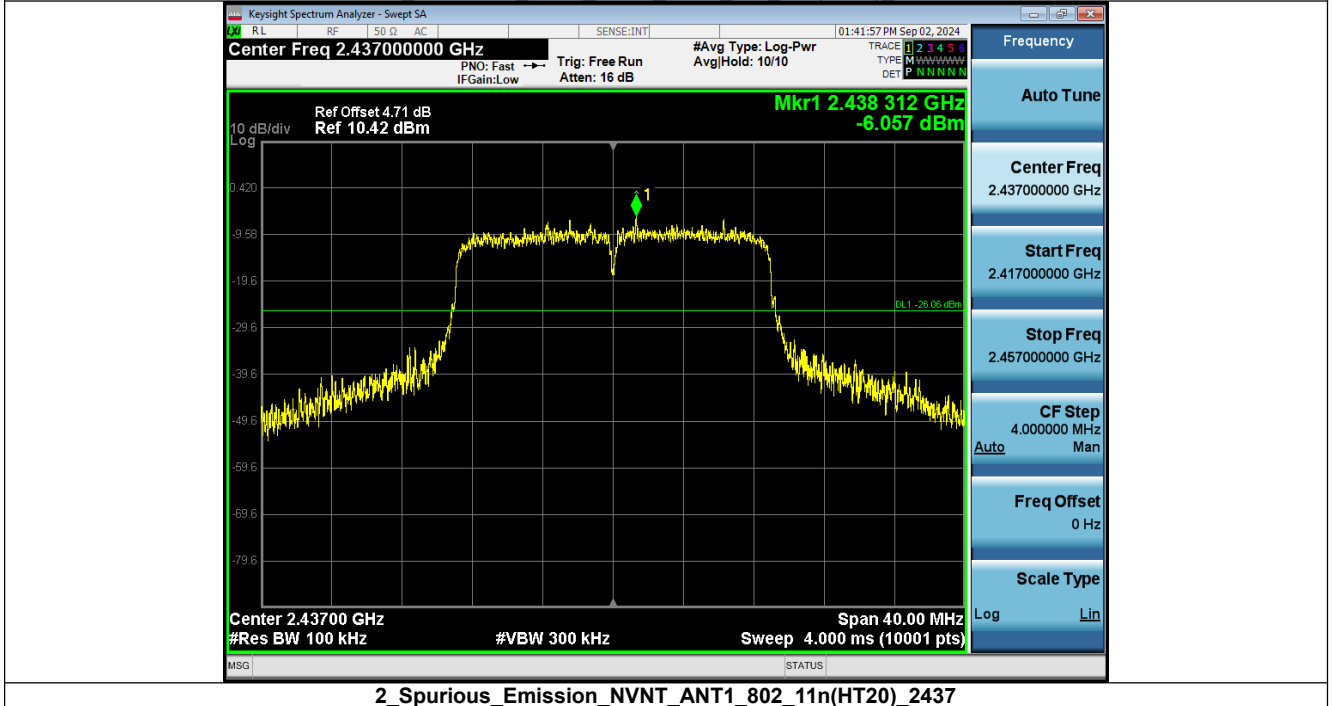
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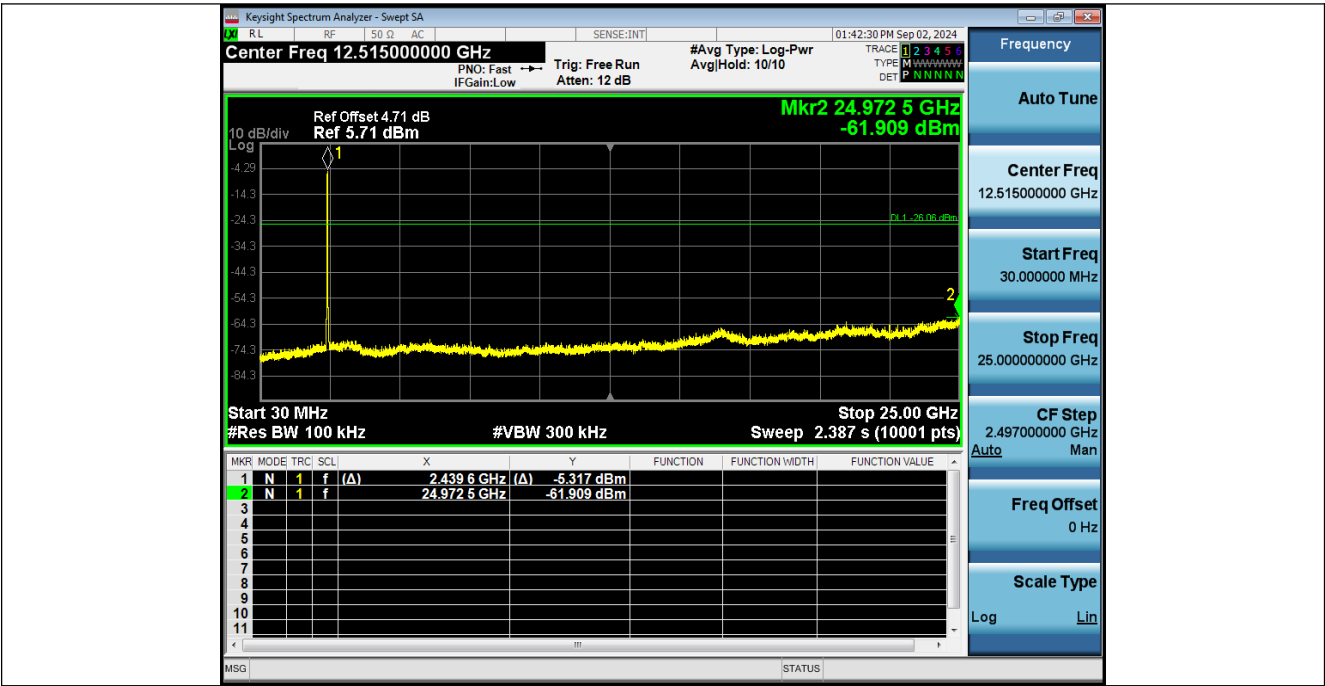
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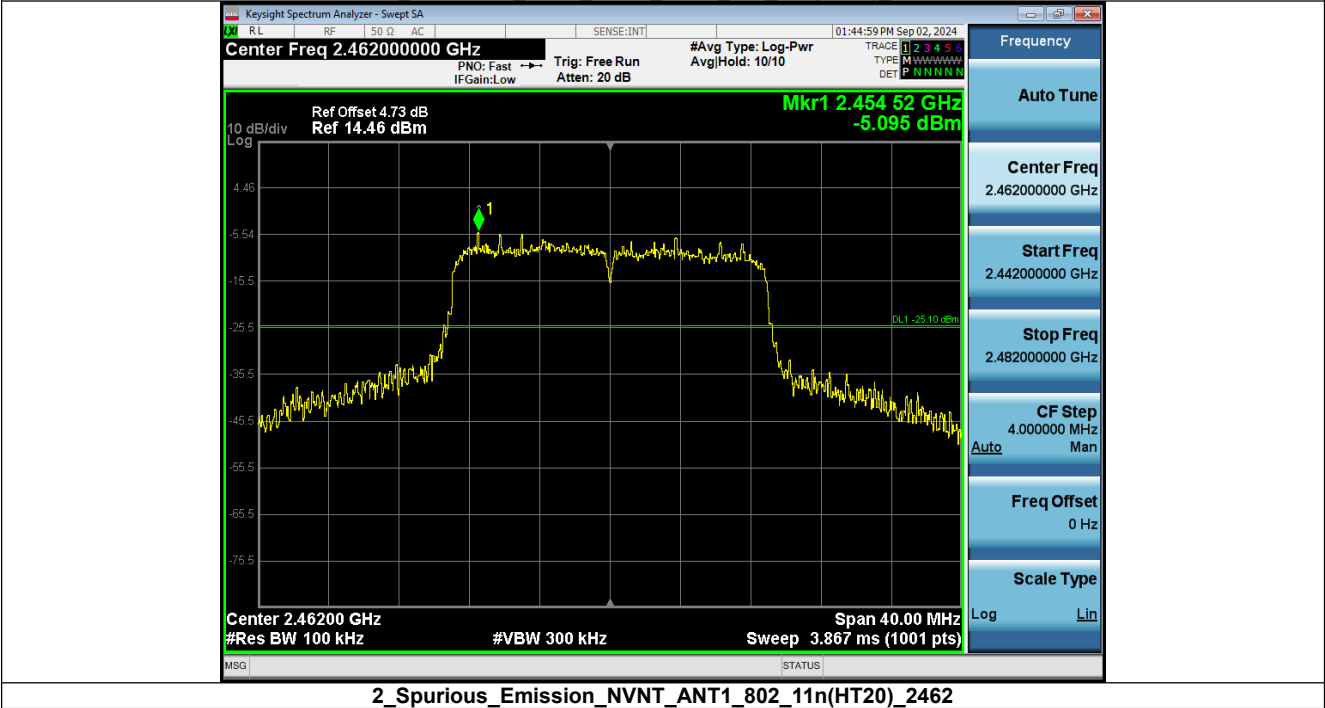
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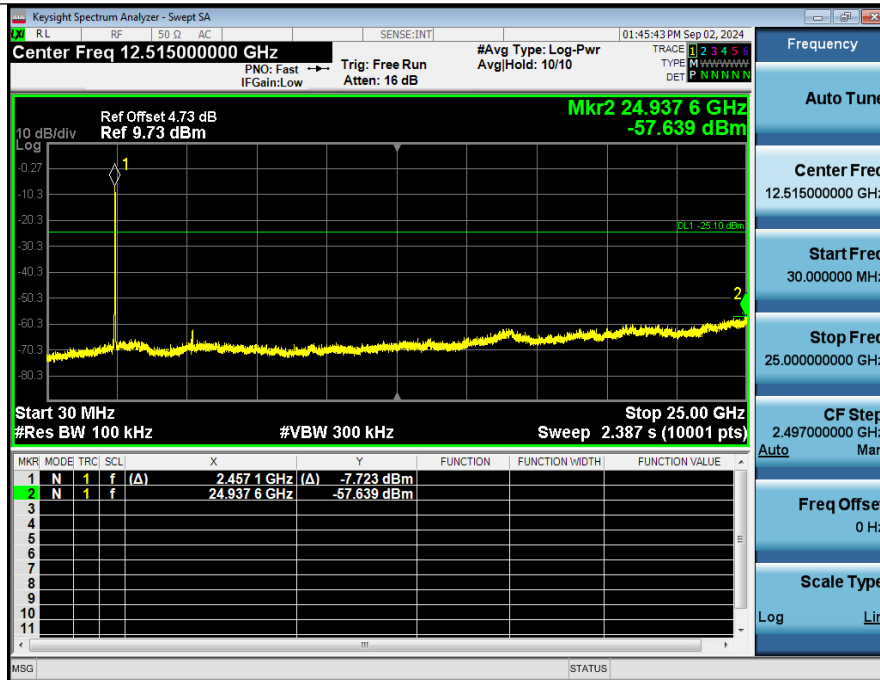
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1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



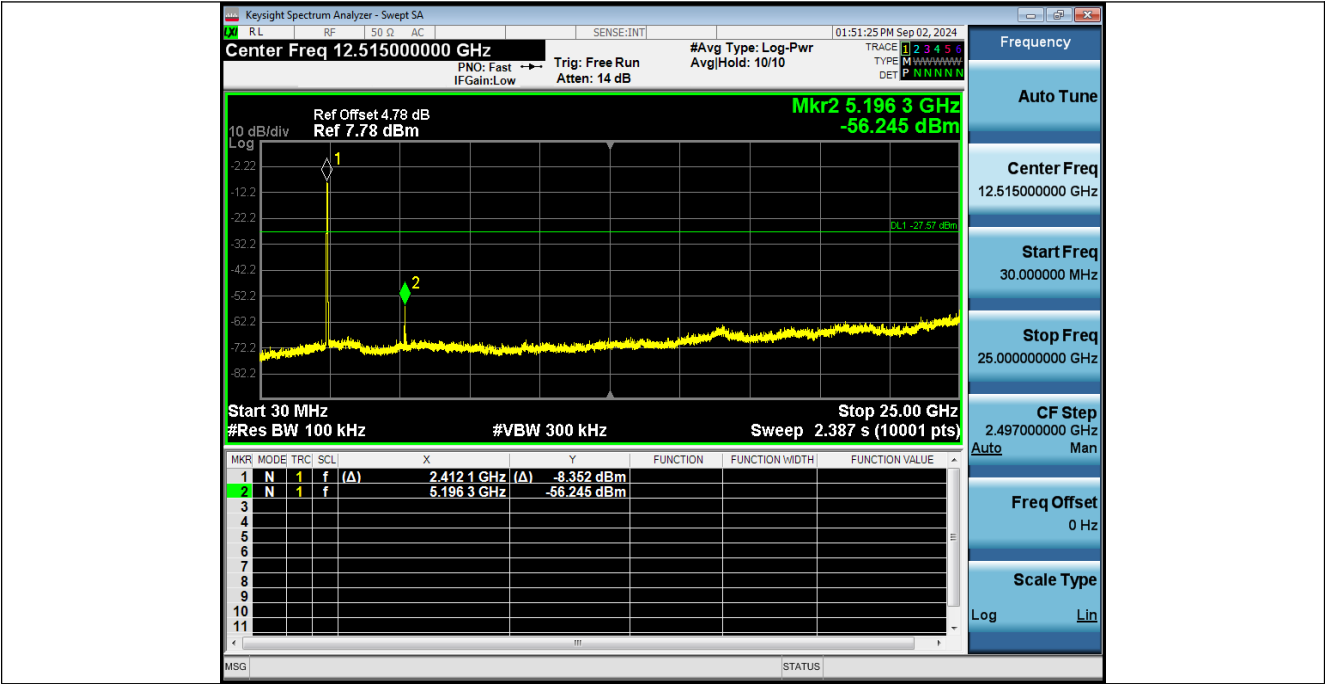
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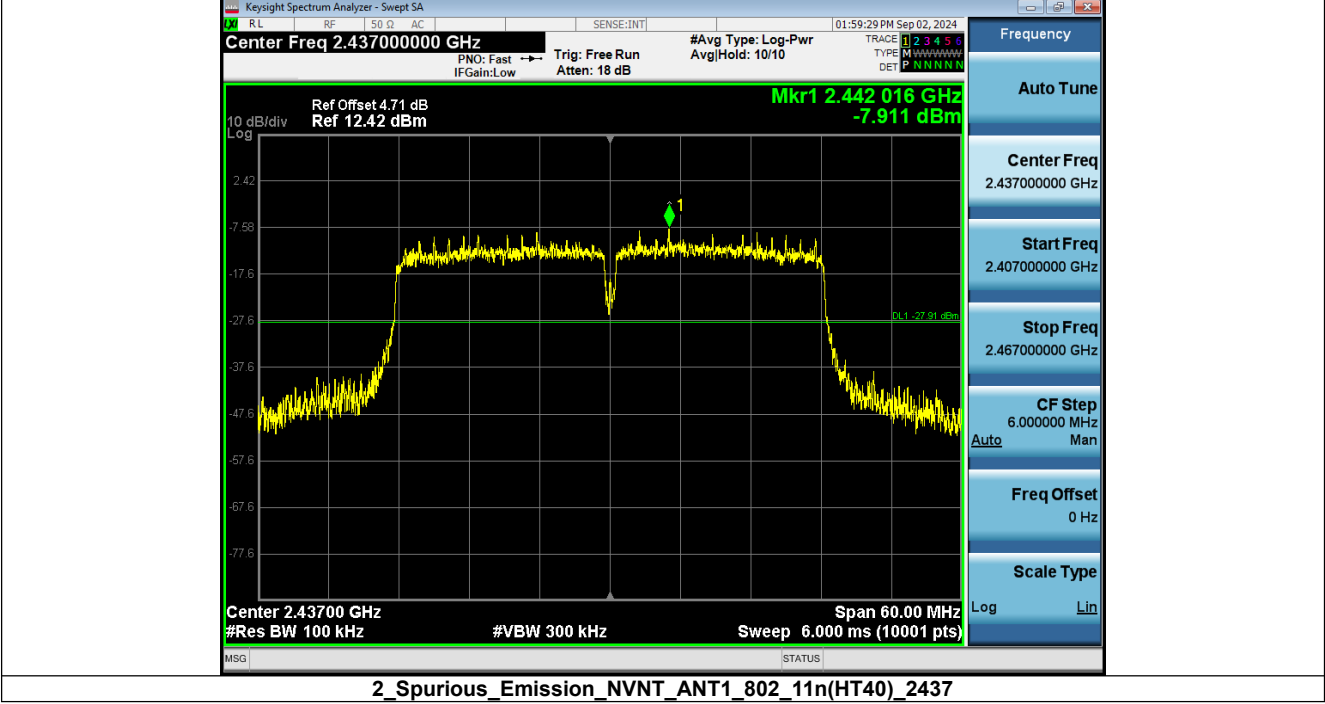
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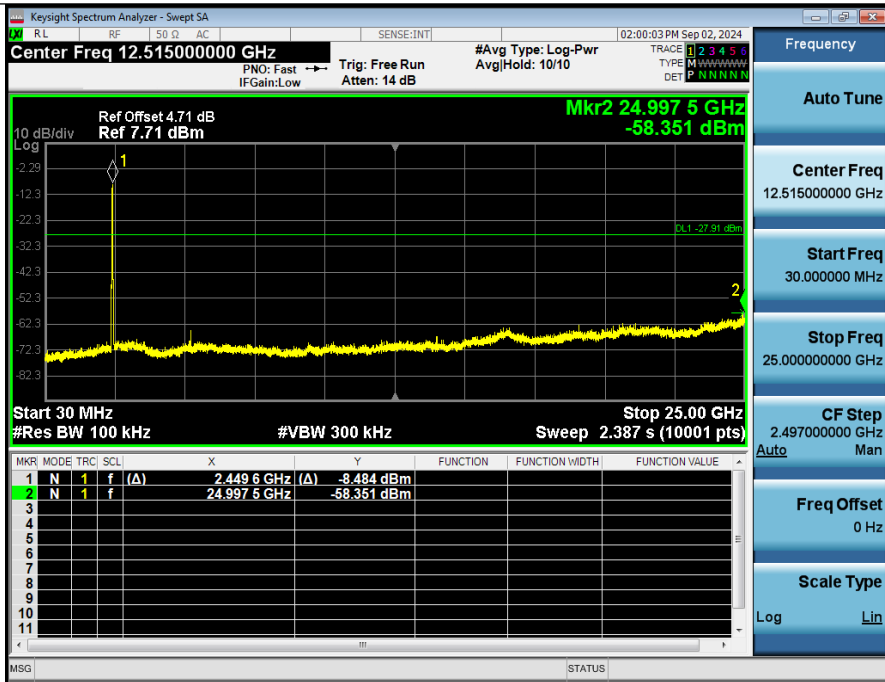
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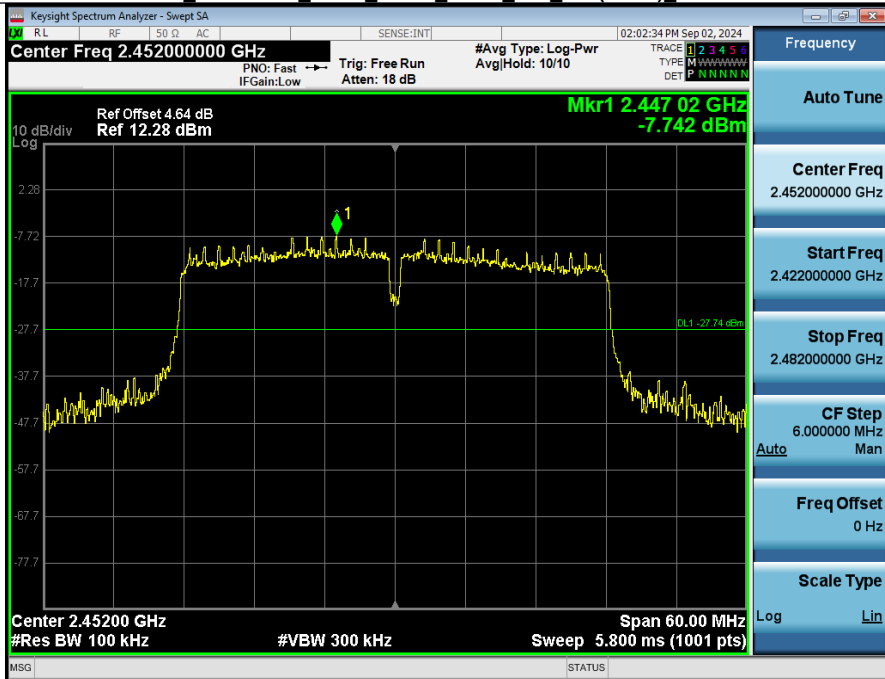
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

