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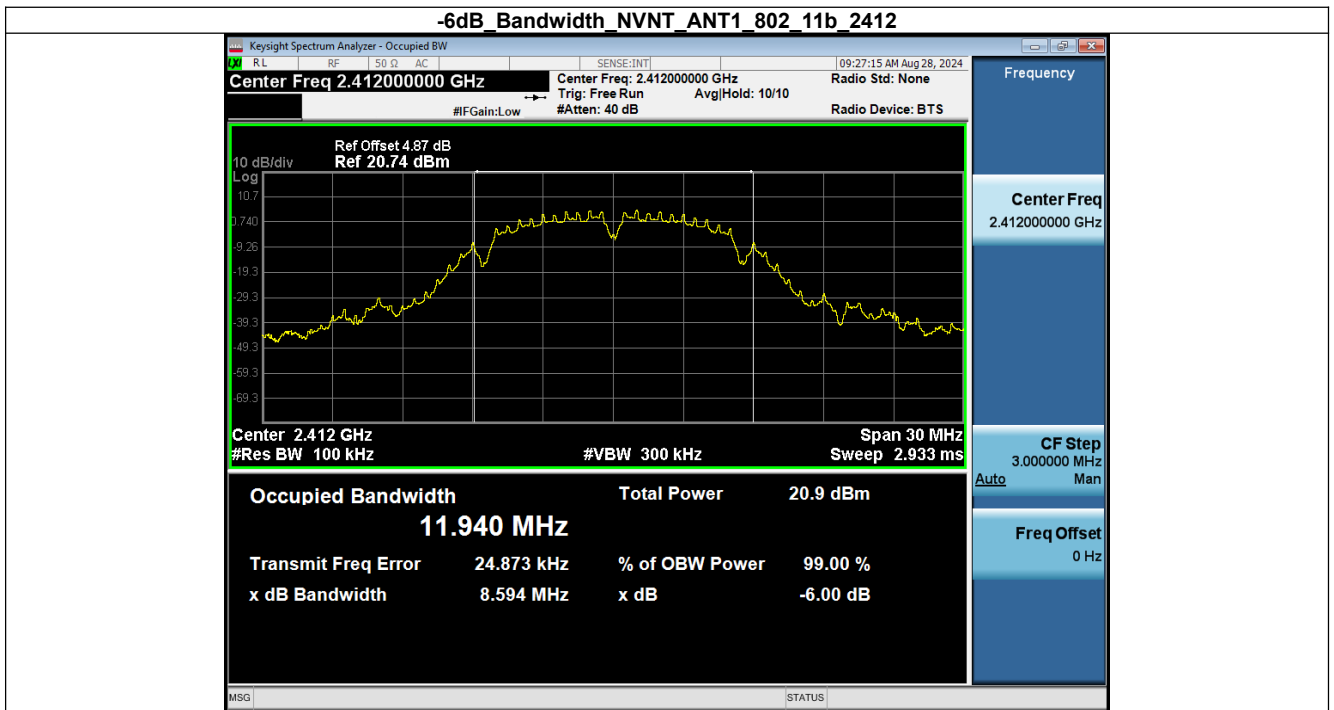
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2FCC ID:2BEVF-SP548E

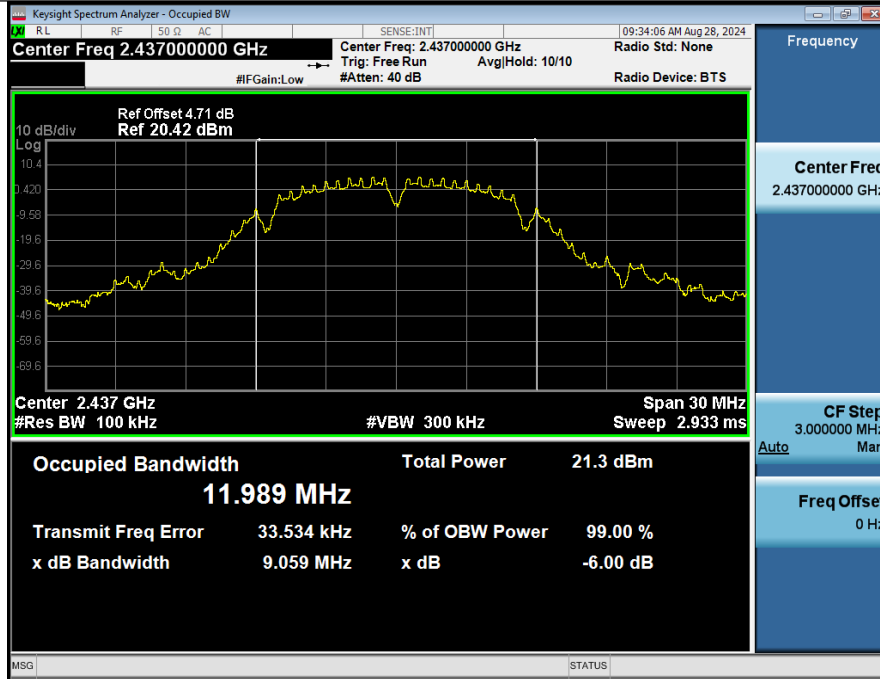
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.59	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	16.07	500	Pass
NVNT	ANT1	802.11g	2437.00	16.31	500	Pass
NVNT	ANT1	802.11g	2462.00	16.34	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	16.98	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.10	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.14	500	Pass



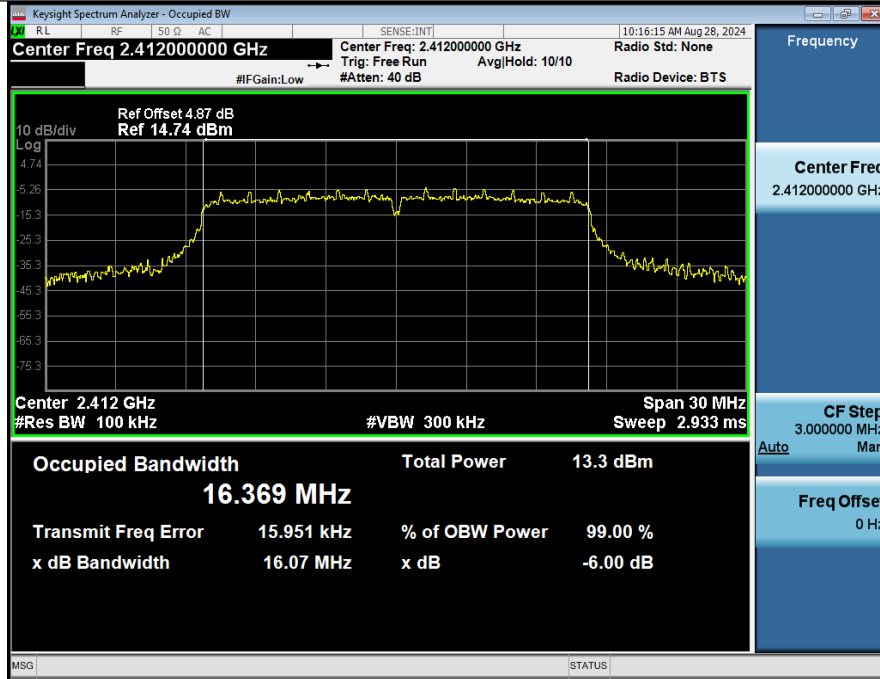
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



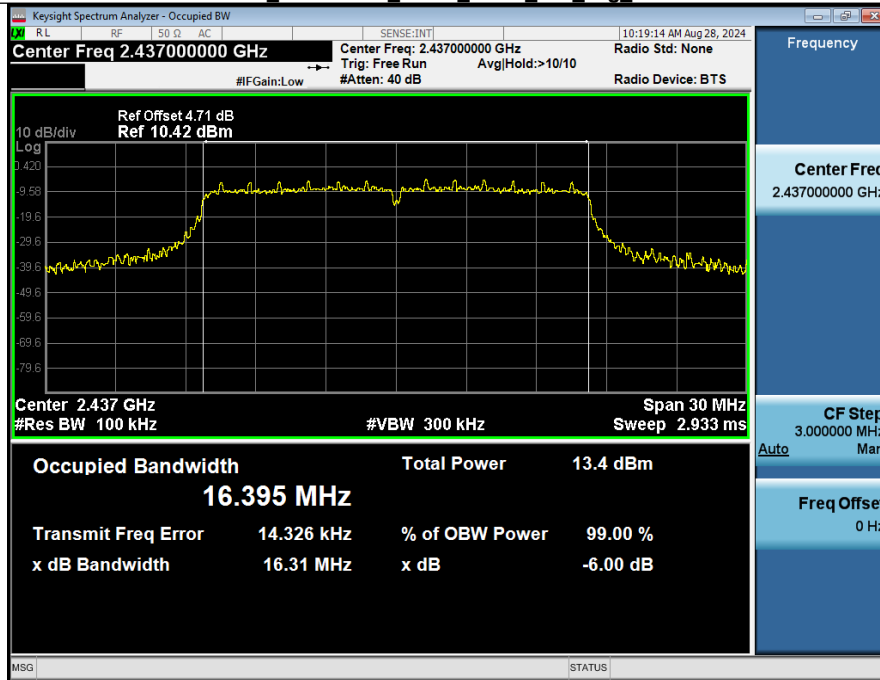
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



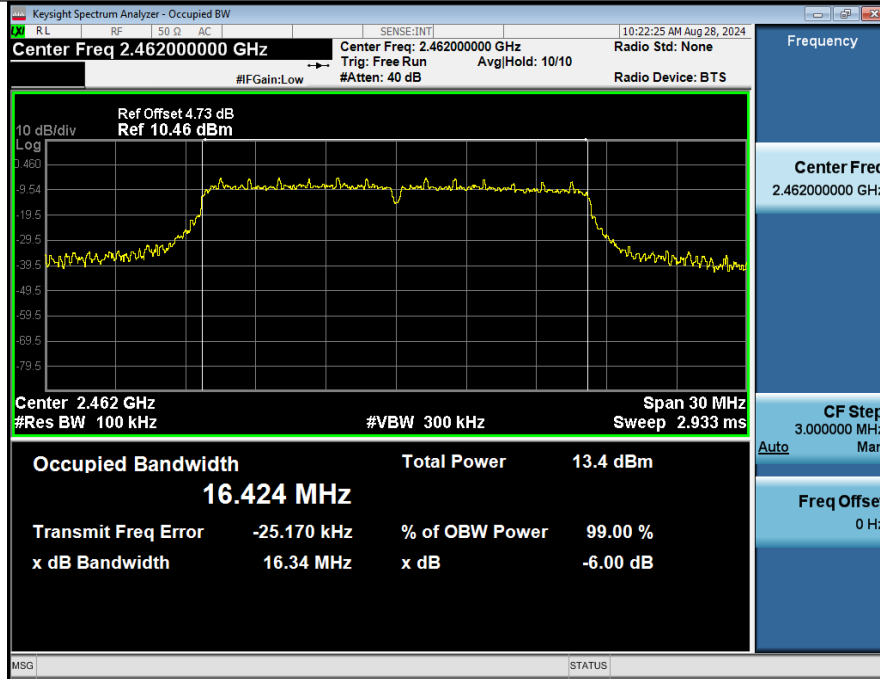
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



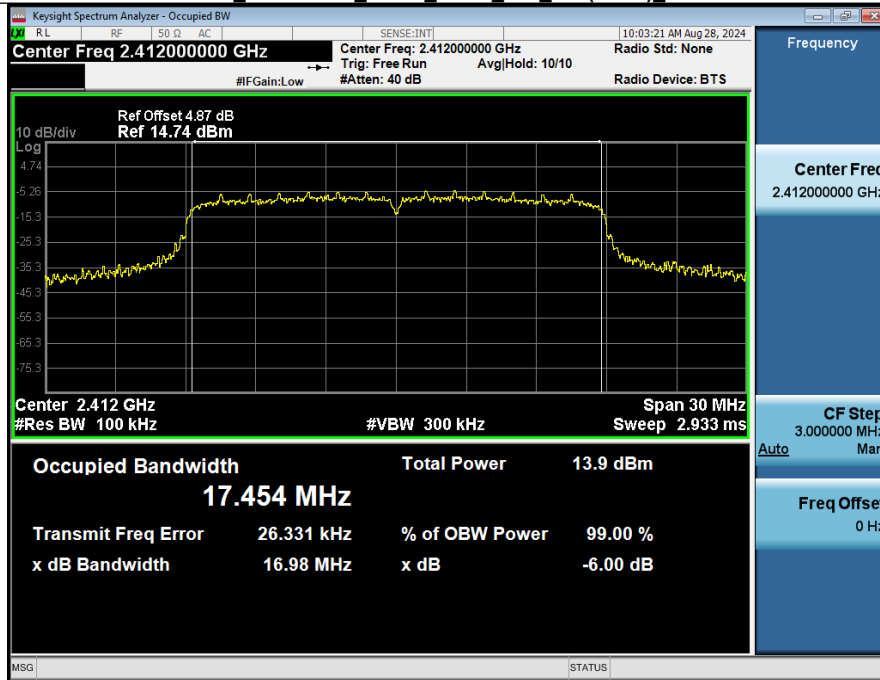
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



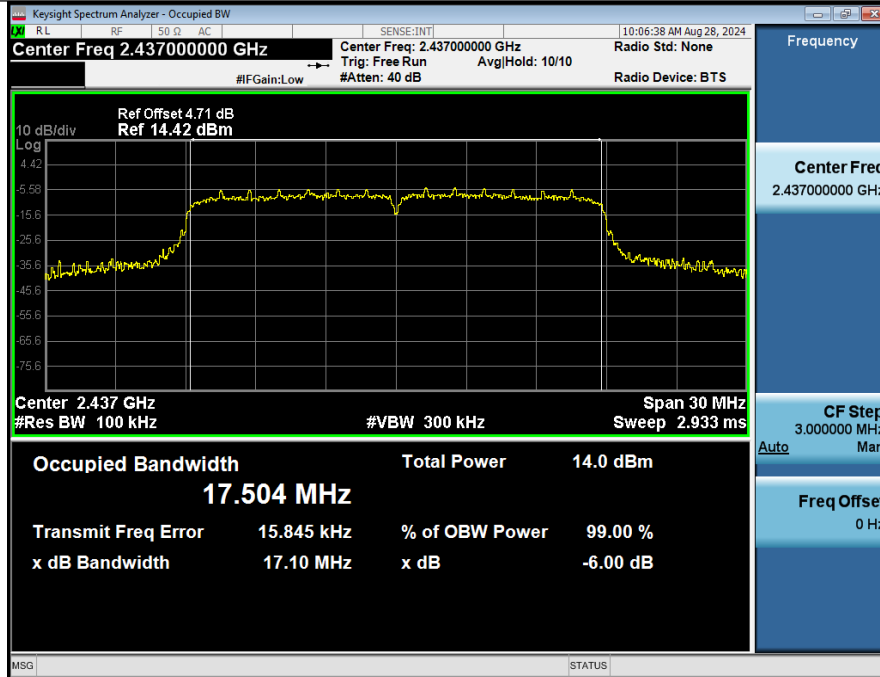
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



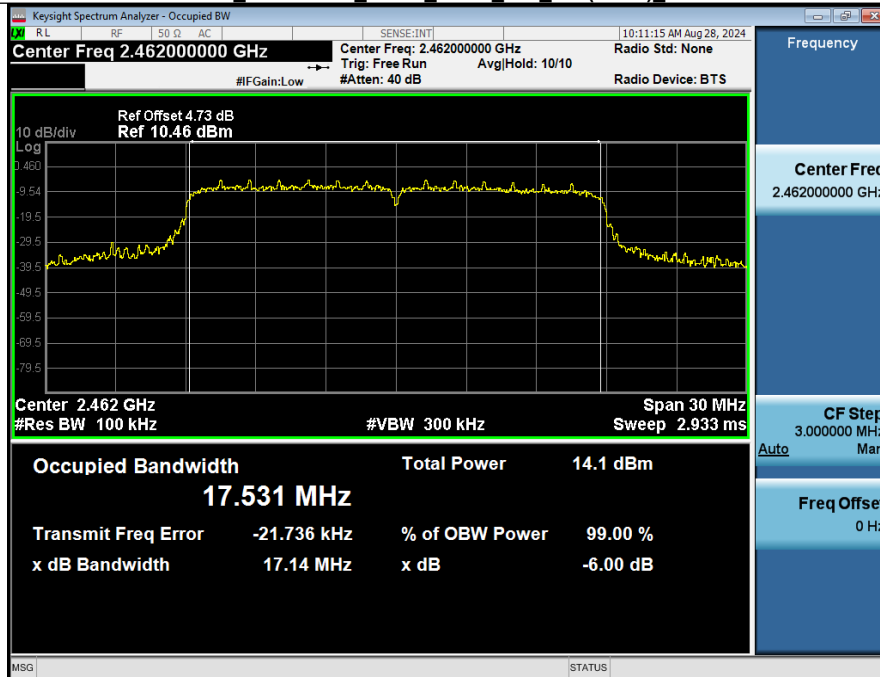
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

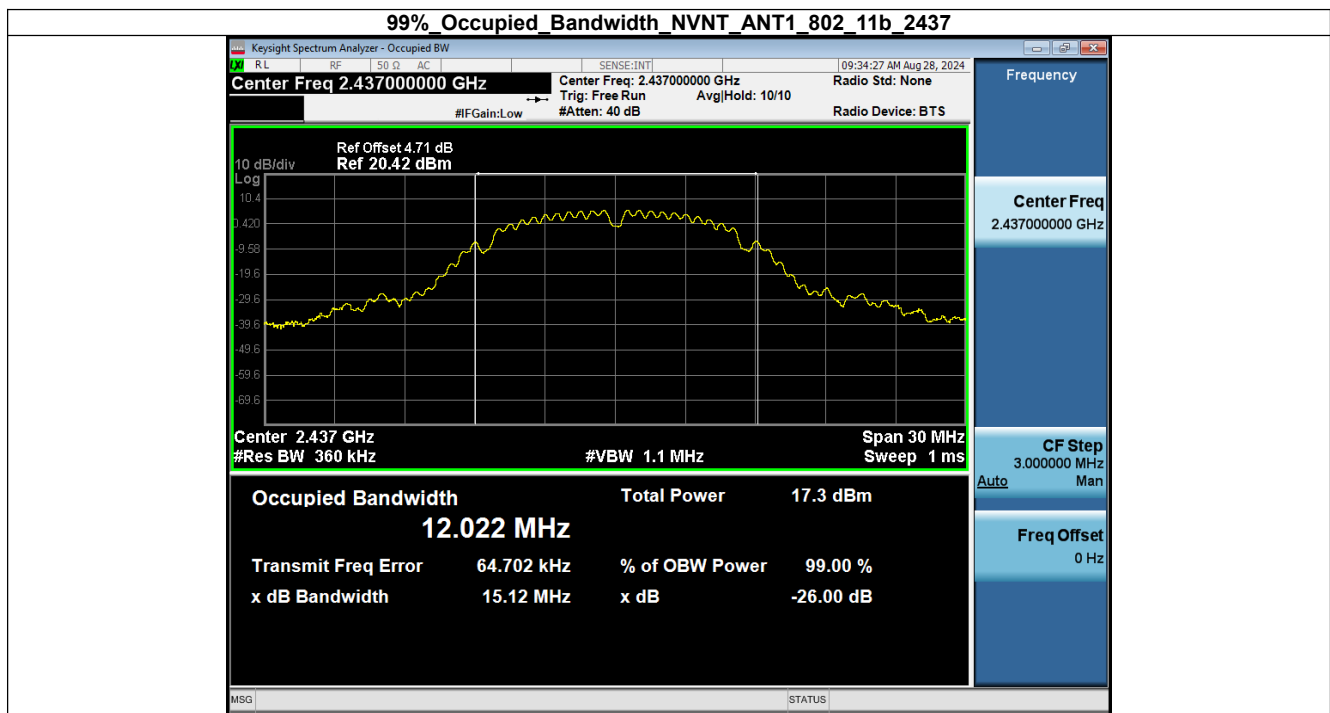
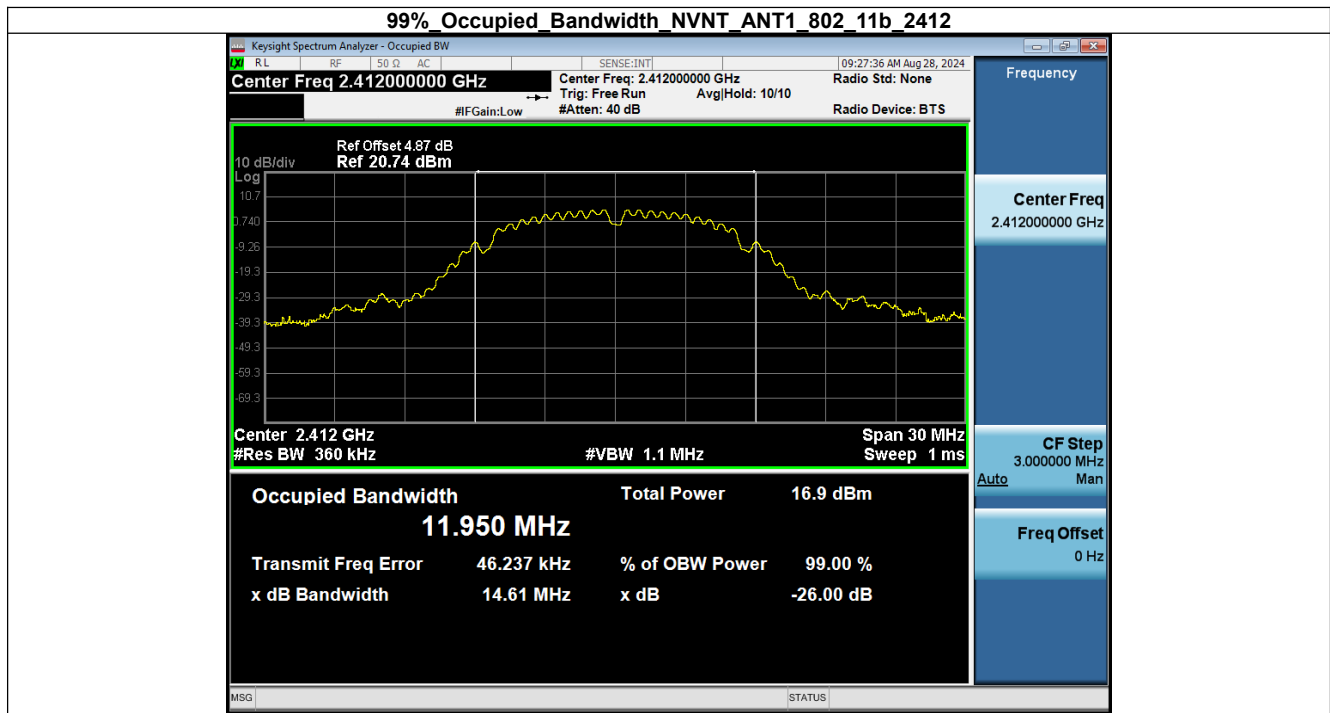


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



2. 99% Occupied Bandwidth

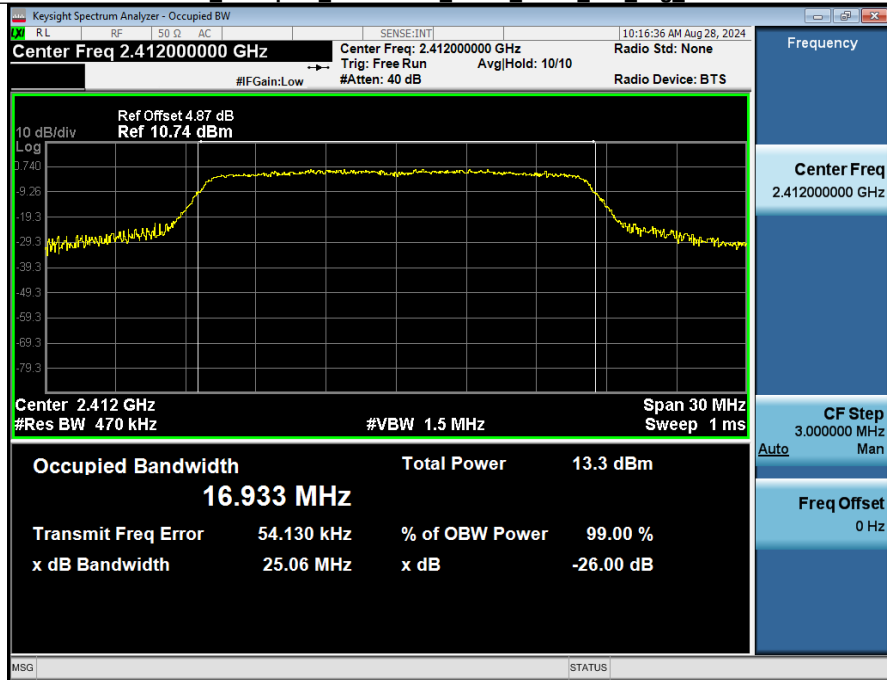
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	11.950
NVNT	ANT1	802.11b	2437.00	12.022
NVNT	ANT1	802.11b	2462.00	12.079
NVNT	ANT1	802.11g	2412.00	16.933
NVNT	ANT1	802.11g	2437.00	17.045
NVNT	ANT1	802.11g	2462.00	17.061
NVNT	ANT1	802.11n(HT20)	2412.00	17.679
NVNT	ANT1	802.11n(HT20)	2437.00	17.759
NVNT	ANT1	802.11n(HT20)	2462.00	17.843



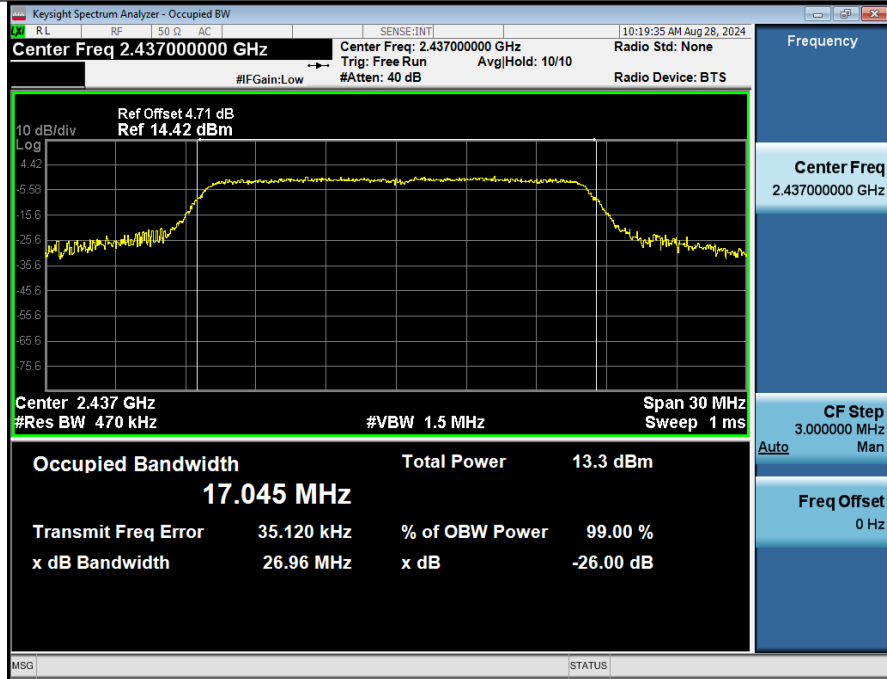
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



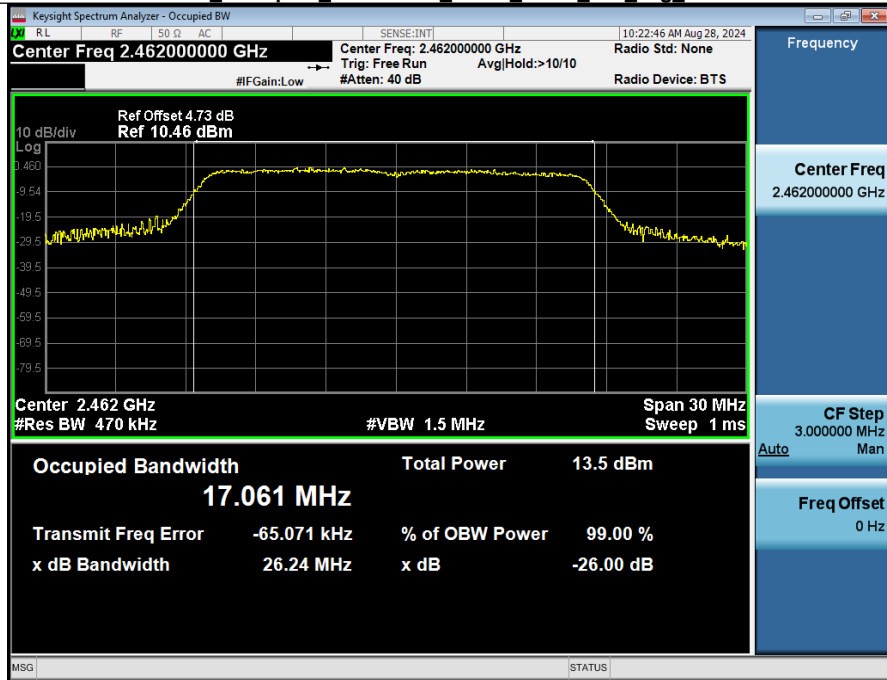
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412

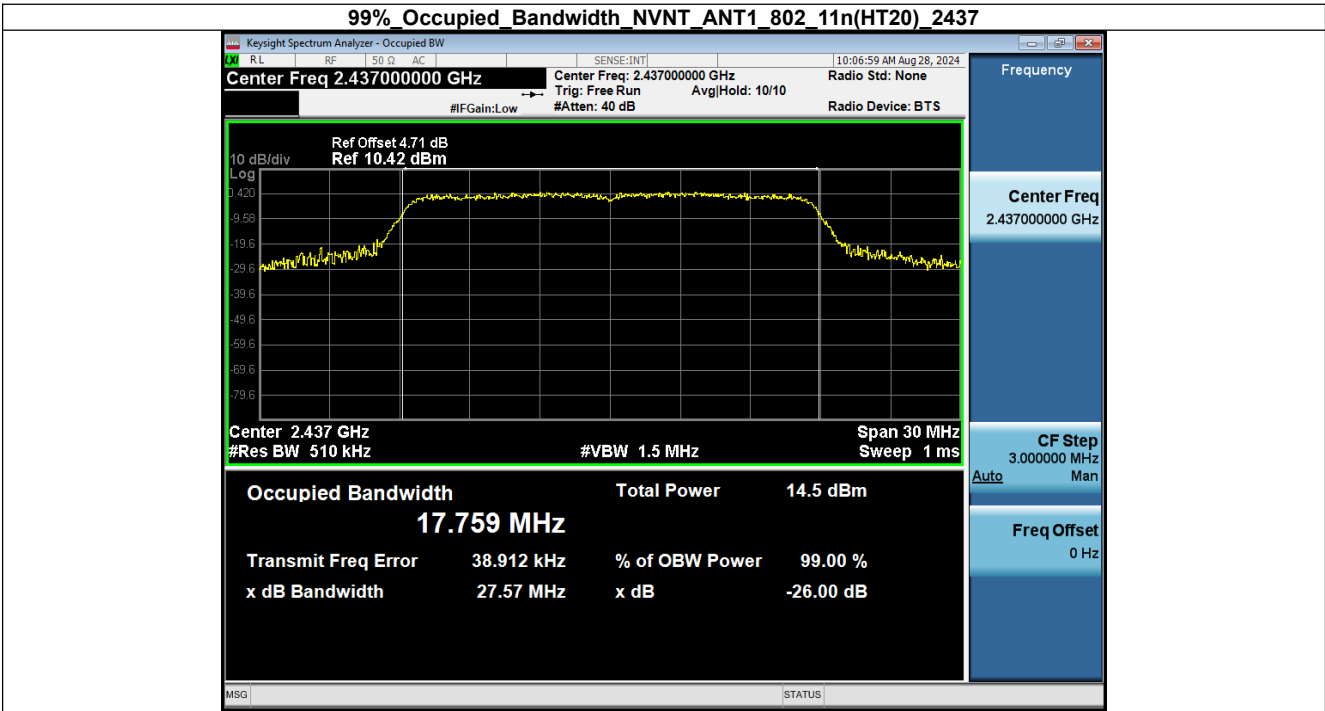
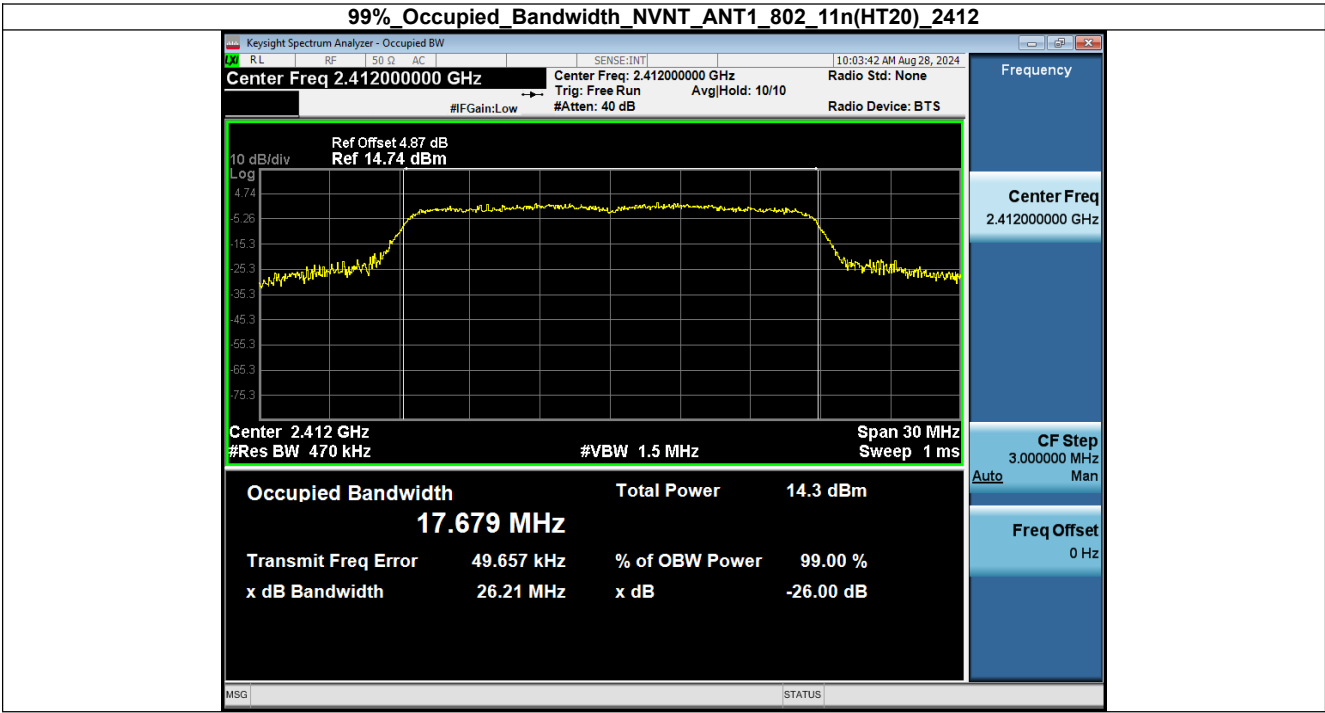


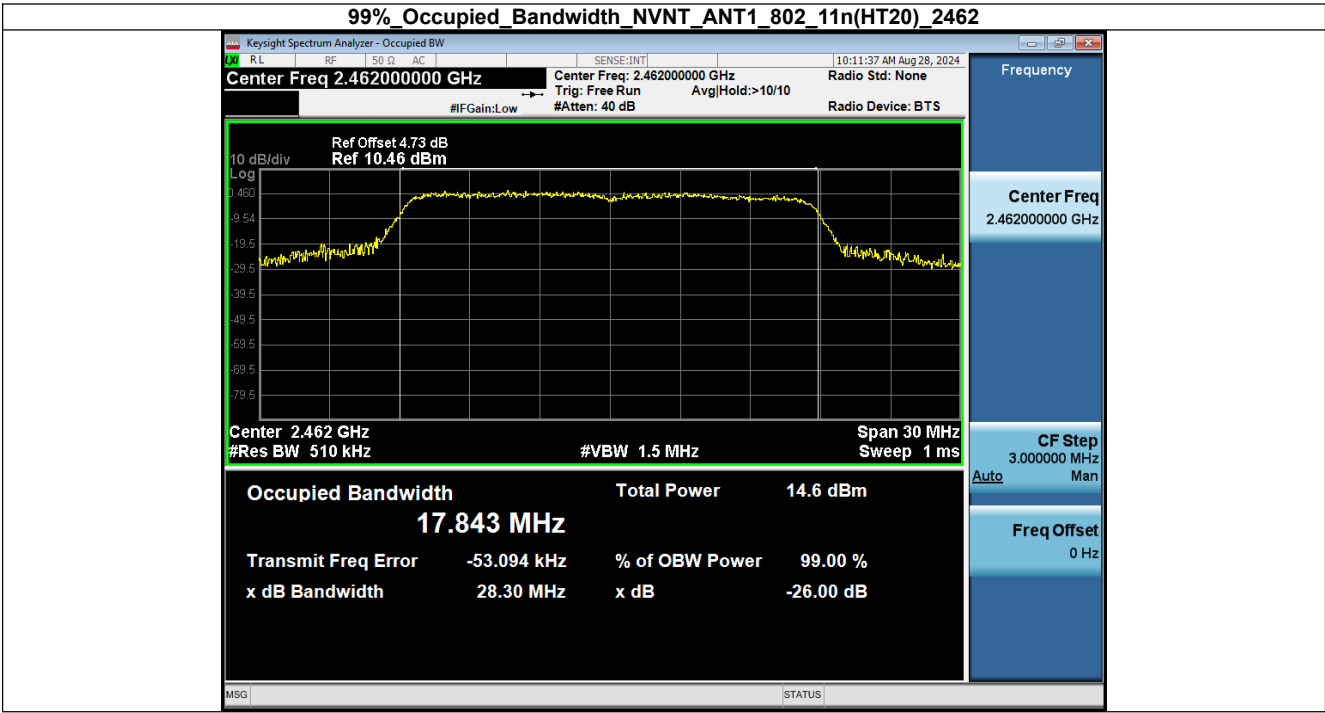
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

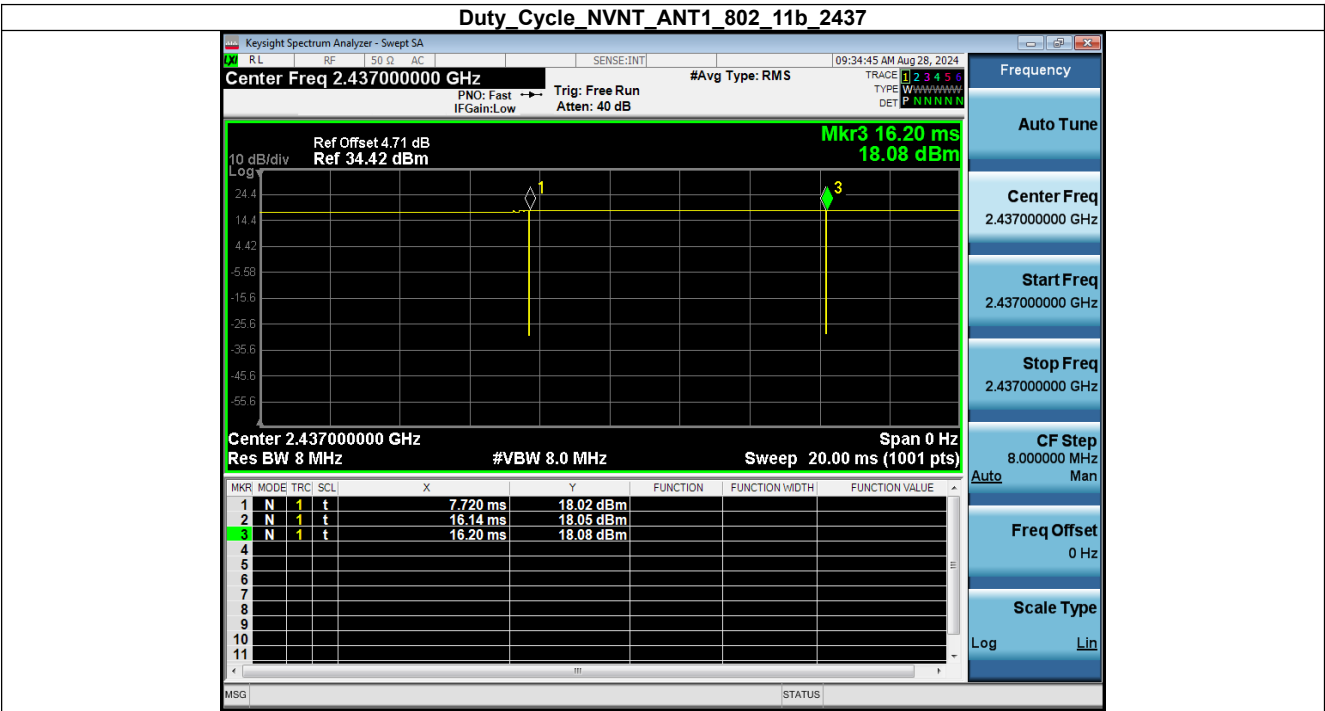
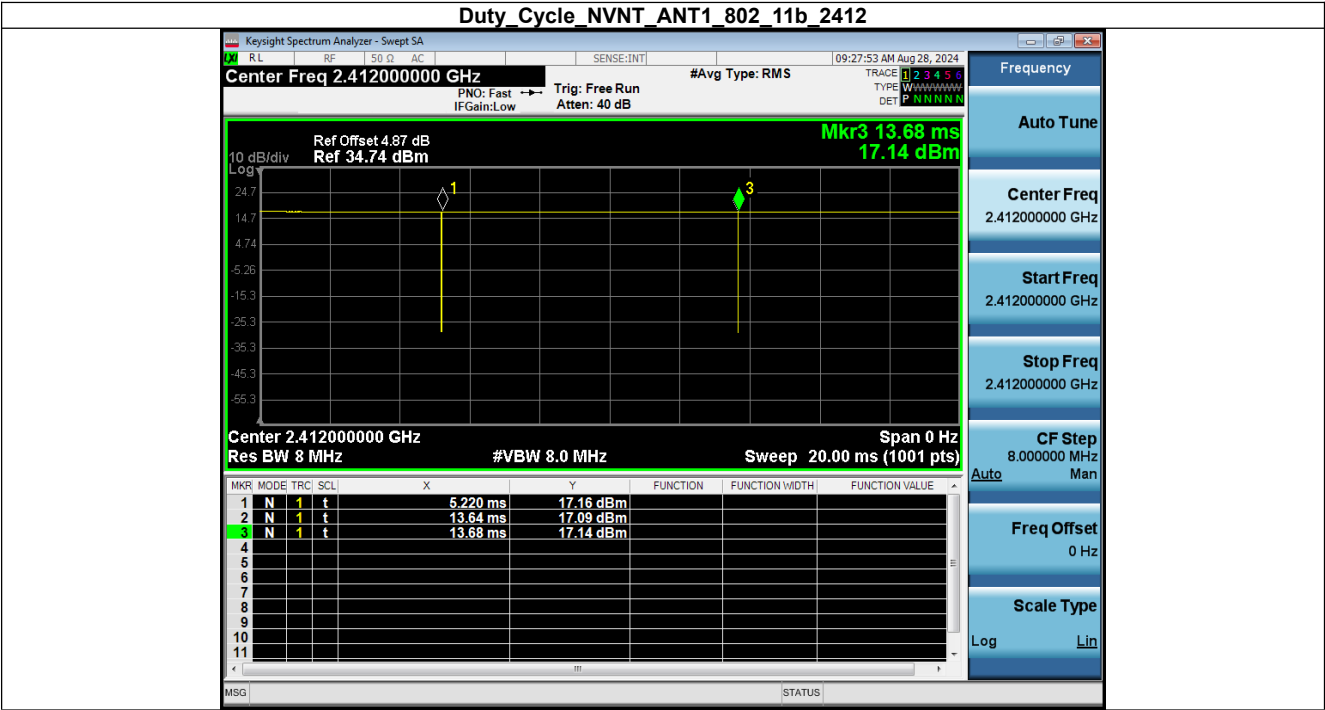




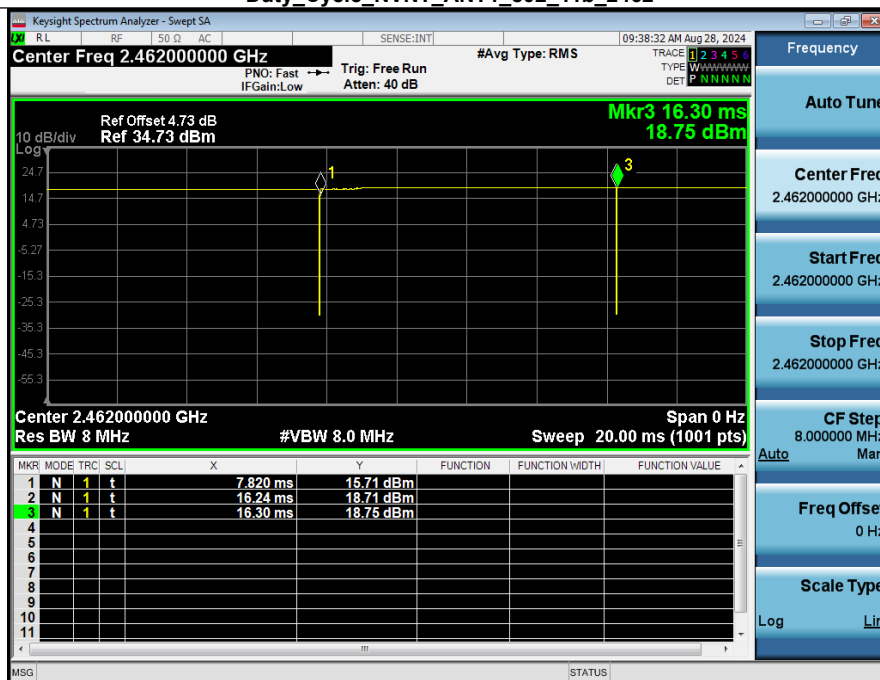


3. Duty Cycle

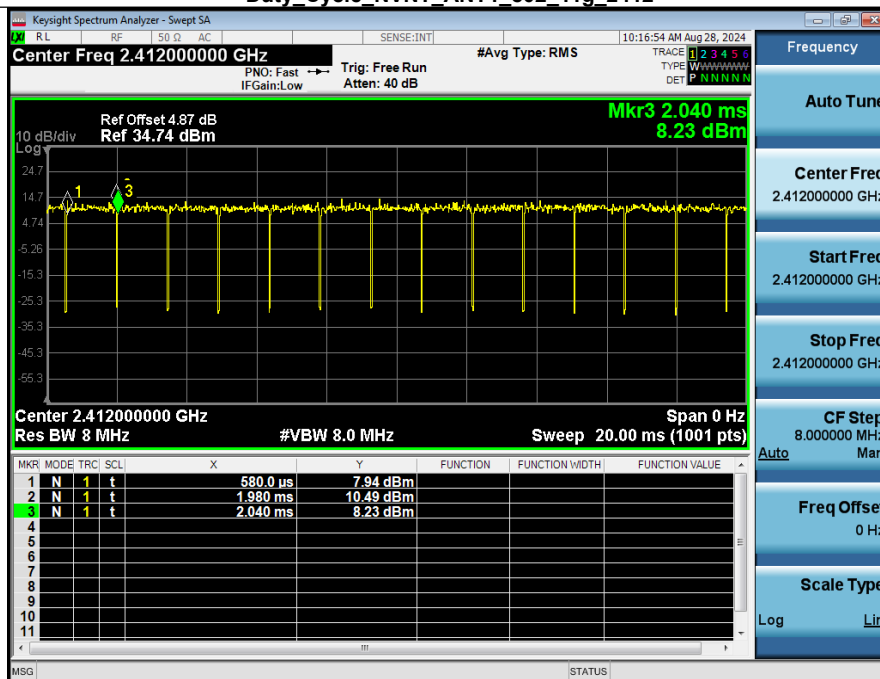
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	97.26	0.12
NVNT	ANT1	802.11g	2437.00	98.61	0.00
NVNT	ANT1	802.11g	2462.00	97.26	0.12
NVNT	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



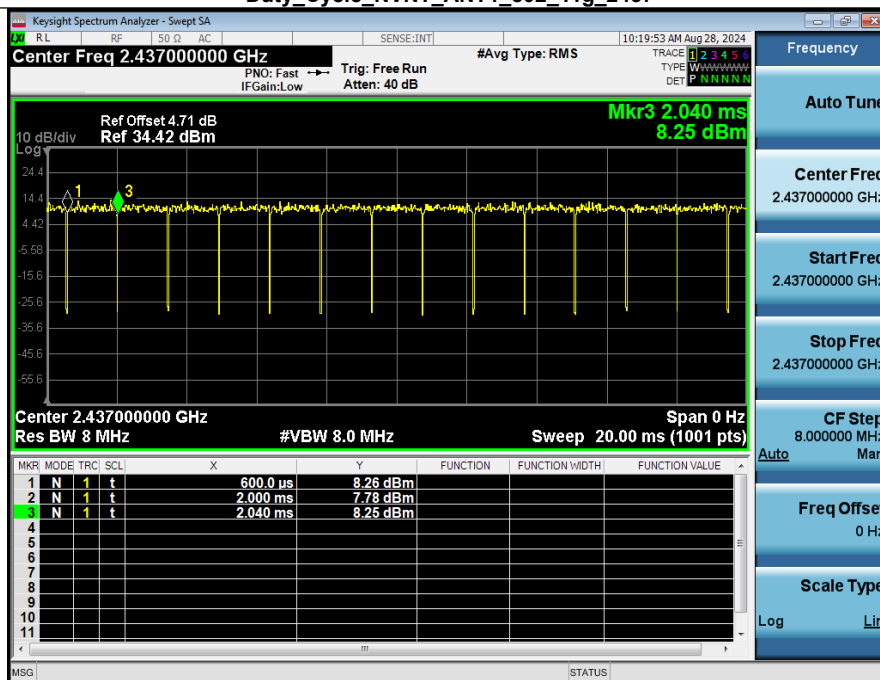
Duty Cycle NVNT_ANT1_802_11b_2462



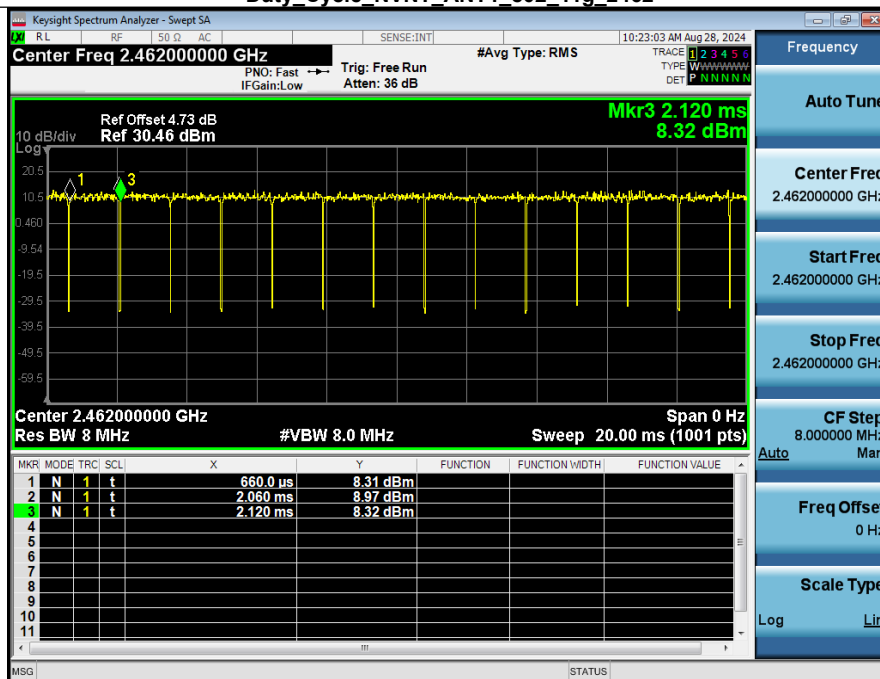
Duty Cycle NVNT_ANT1_802_11g_2412



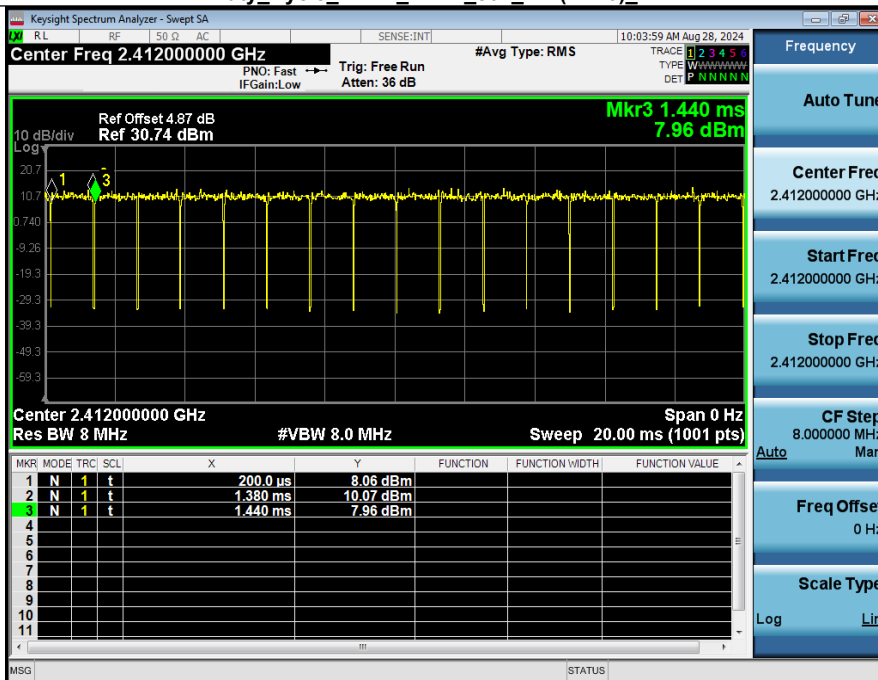
Duty Cycle NVNT_ANT1_802_11g_2437



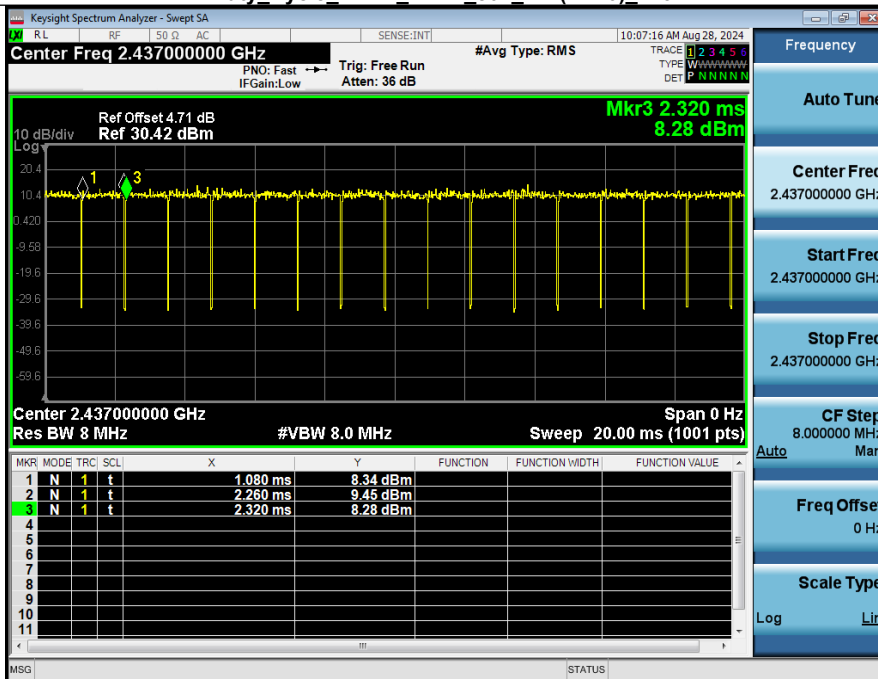
Duty Cycle NVNT_ANT1_802_11g_2462



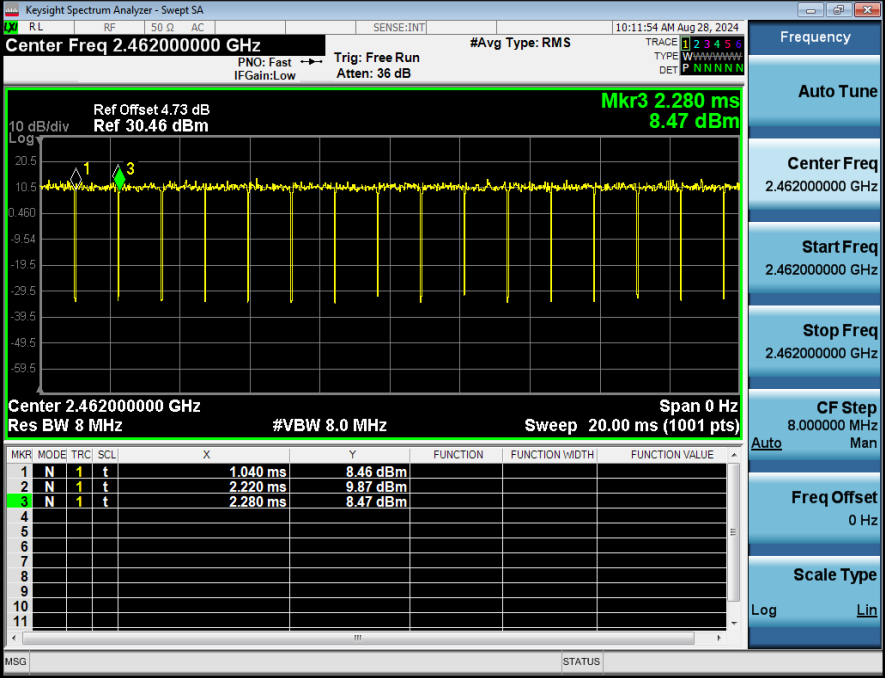
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



5. Power Spectral Density

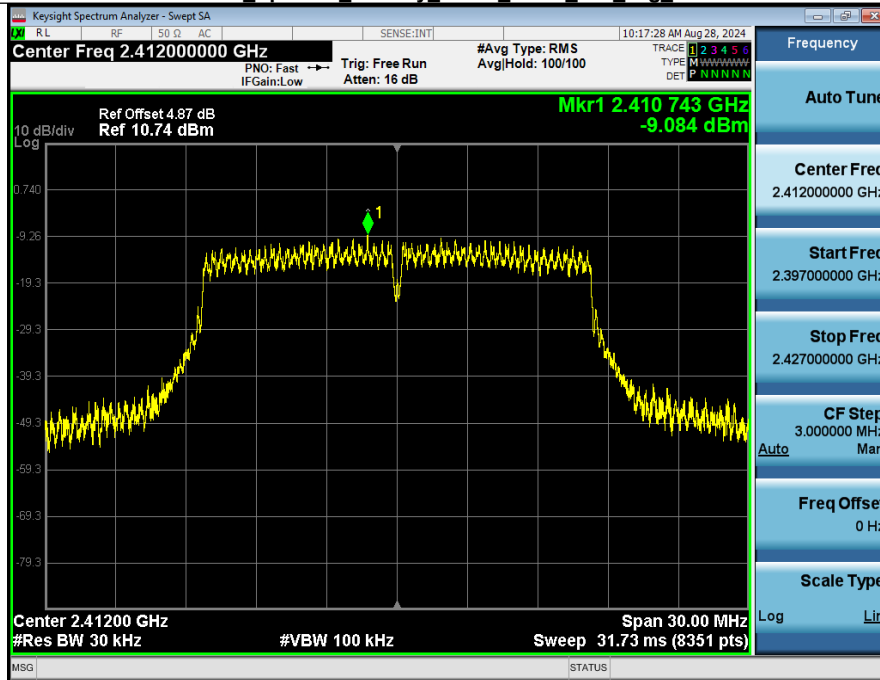
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	2.57	-10.00	-7.43	8	Pass
NVNT	ANT1	802.11b	2437.00	2.53	-10.00	-7.47	8	Pass
NVNT	ANT1	802.11b	2462.00	2.28	-10.00	-7.72	8	Pass
NVNT	ANT1	802.11g	2412.00	-9.08	-10.00	-19.08	8	Pass
NVNT	ANT1	802.11g	2437.00	-9.38	-10.00	-19.38	8	Pass
NVNT	ANT1	802.11g	2462.00	-8.99	-10.00	-18.99	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-9.50	-10.00	-19.50	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-9.31	-10.00	-19.31	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-9.21	-10.00	-19.21	8	Pass



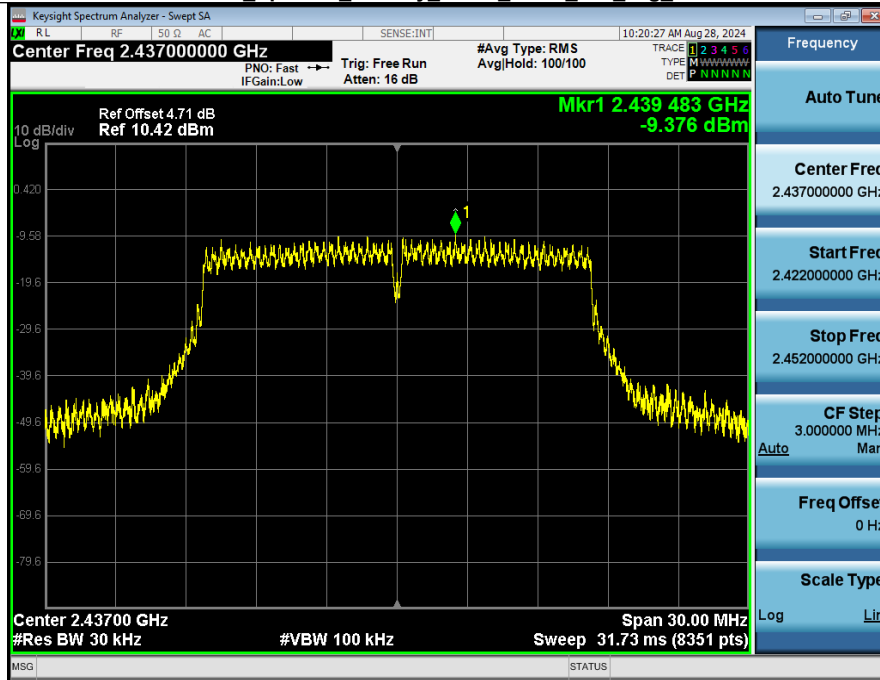
Power Spectral Density NVNT_ANT1_802_11b_2462



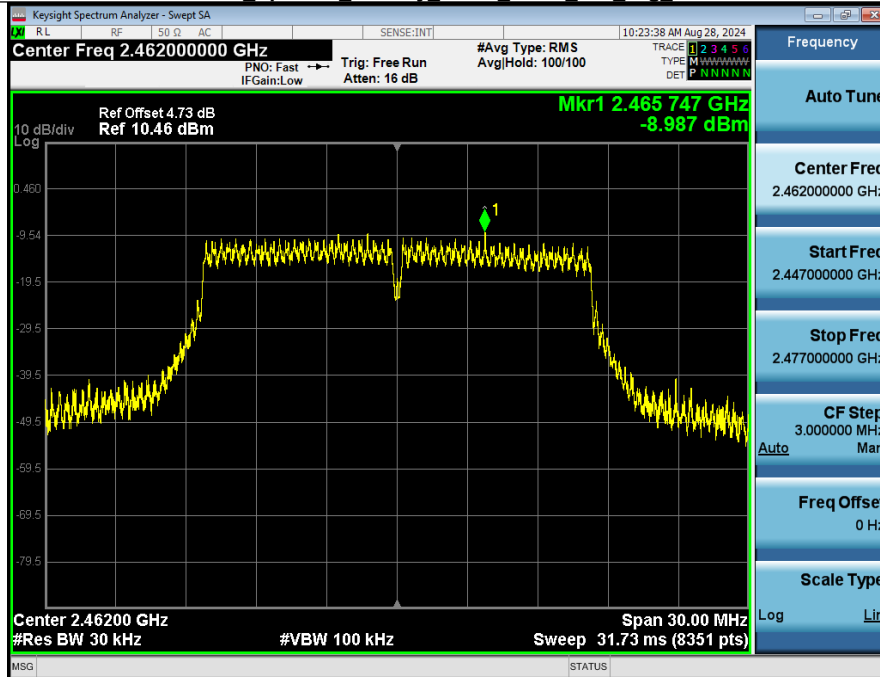
Power Spectral Density NVNT_ANT1_802_11g_2412



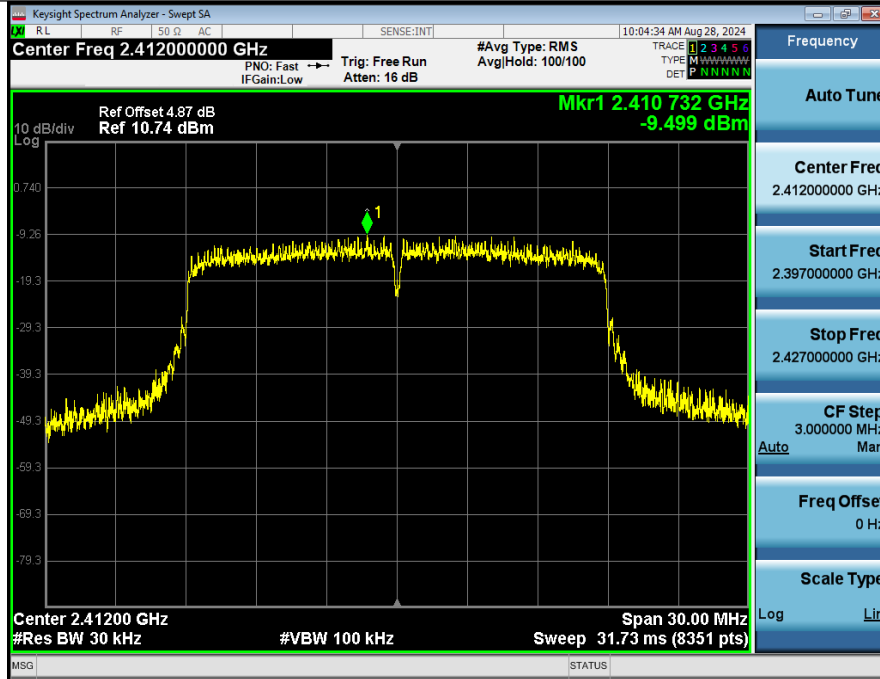
Power Spectral Density NVNT_ANT1_802_11g_2437



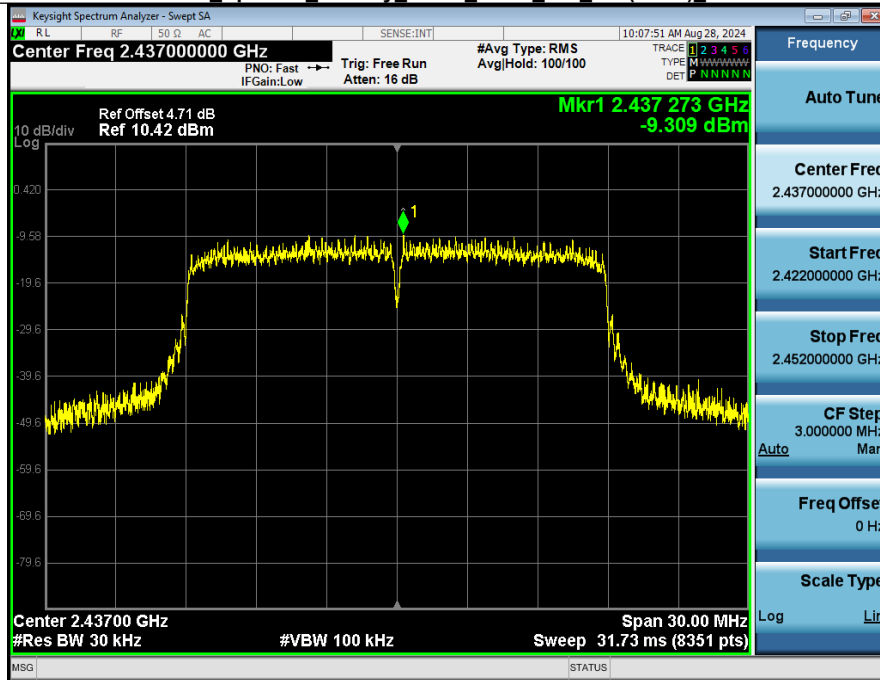
Power Spectral Density NVNT_ANT1_802_11g_2462



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437

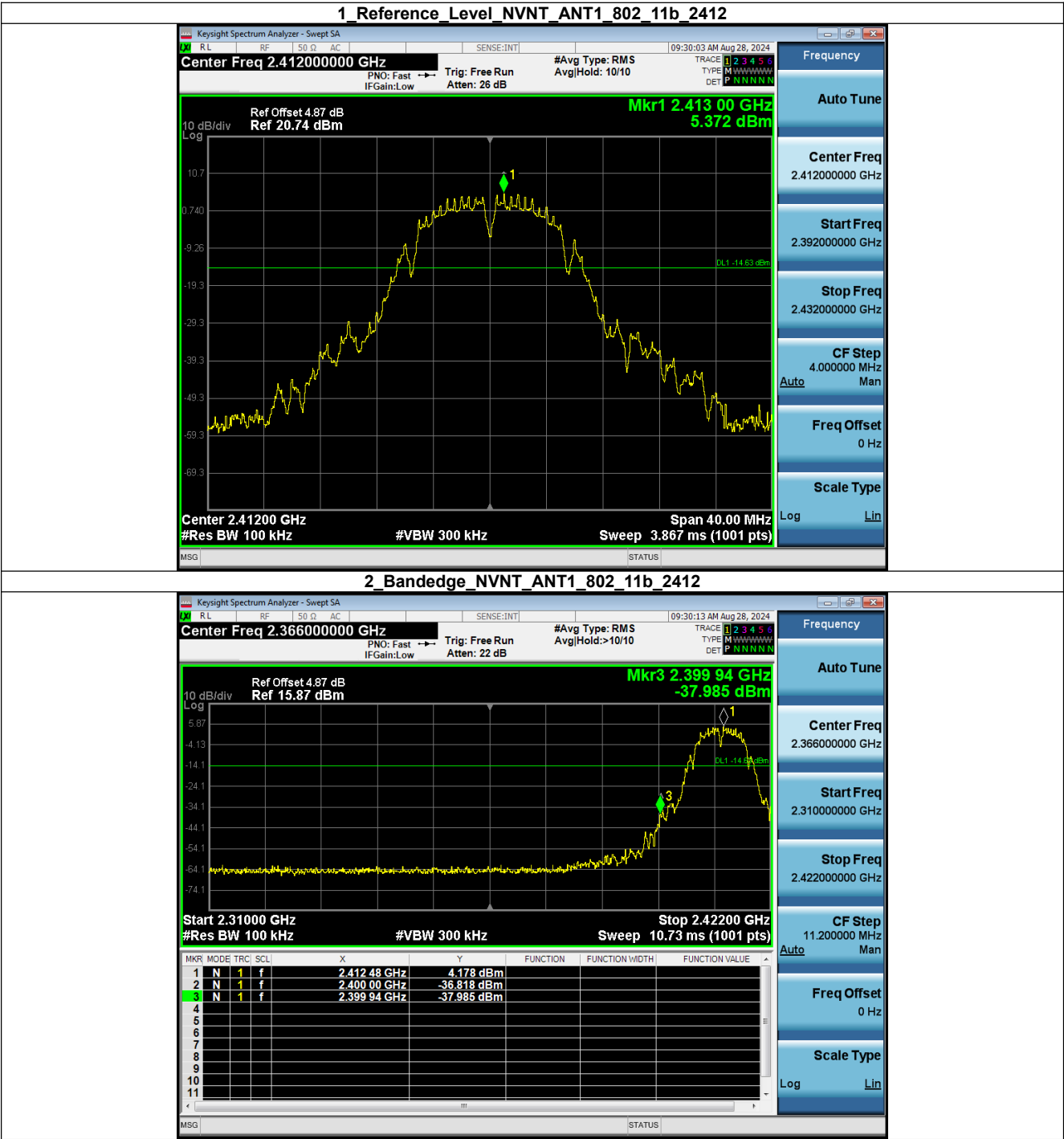


Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462



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	-37.985	-14.628	Pass
NVNT	ANT1	802.11b	2462.00	2484.016	-54.949	-13.825	Pass
NVNT	ANT1	802.11g	2412.00	2398.928	-37.880	-25.074	Pass
NVNT	ANT1	802.11g	2462.00	2483.872	-50.906	-24.857	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2398.816	-36.898	-24.945	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.920	-48.787	-24.624	Pass



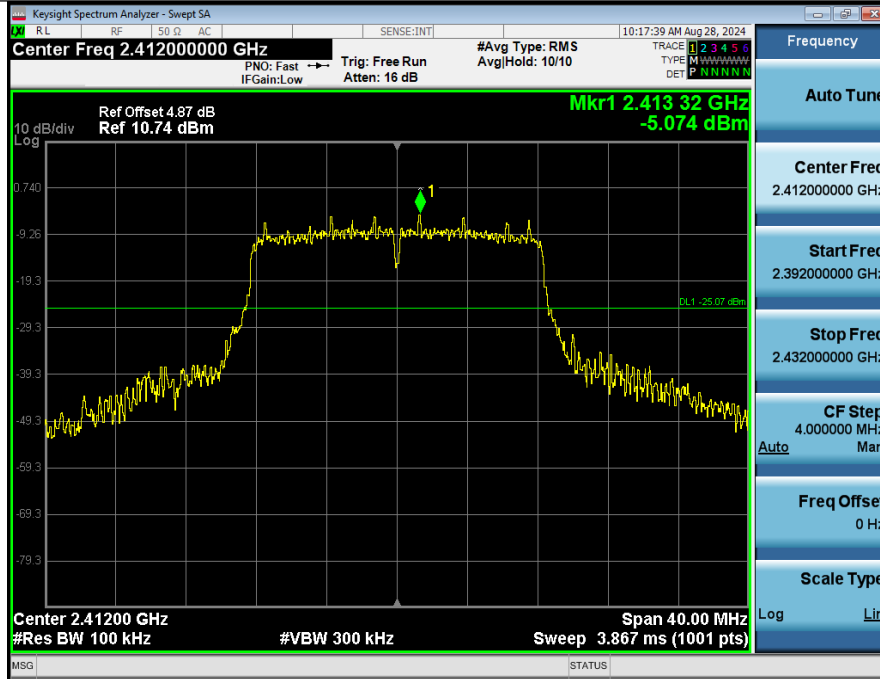
1 Reference Level NVNT_ANT1_802_11b_2462



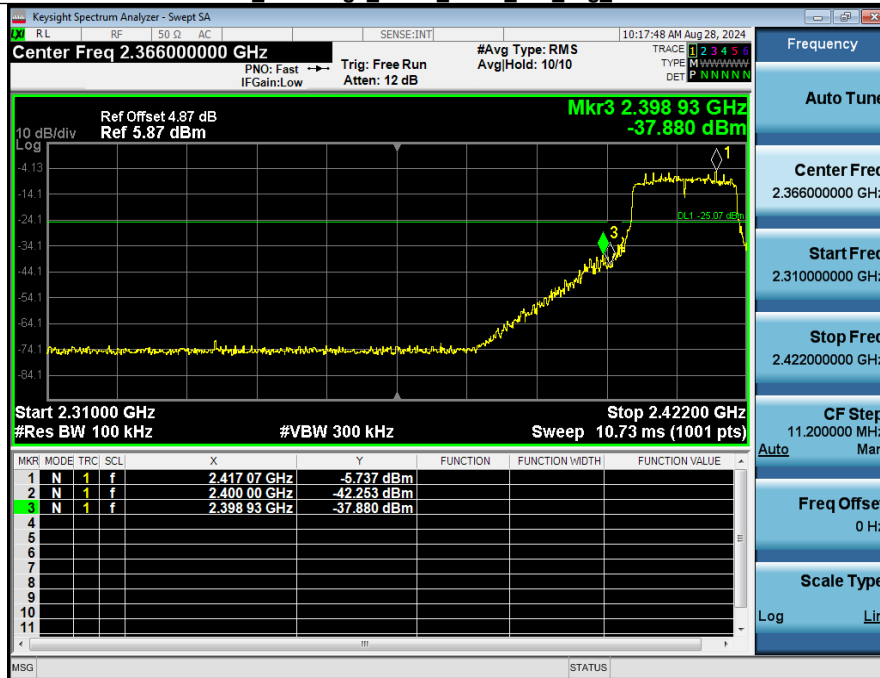
2 Bandedge NVNT_ANT1_802_11b_2462



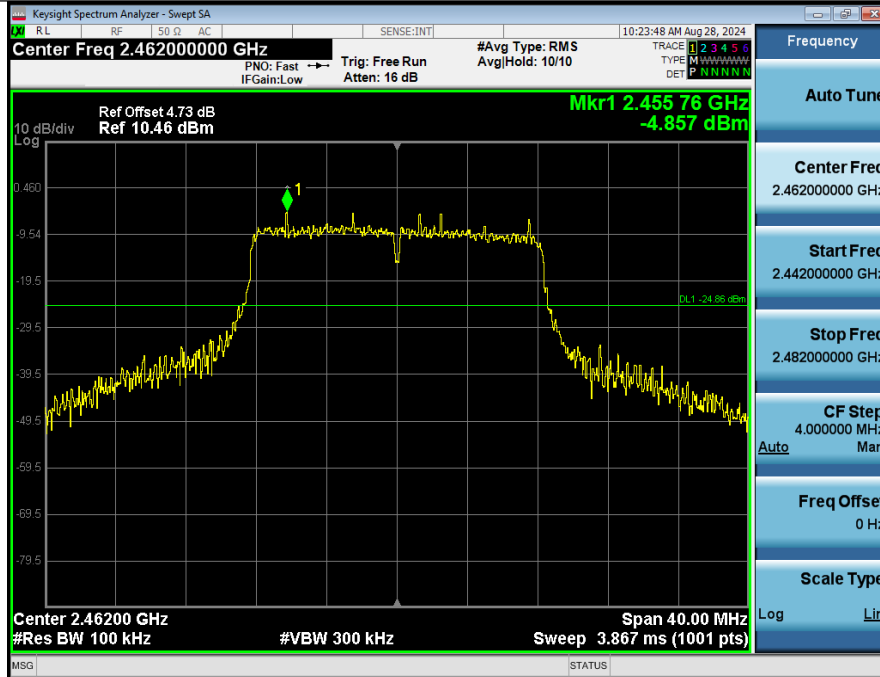
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2 Bandedge_NVNT_ANT1_802_11g_2412



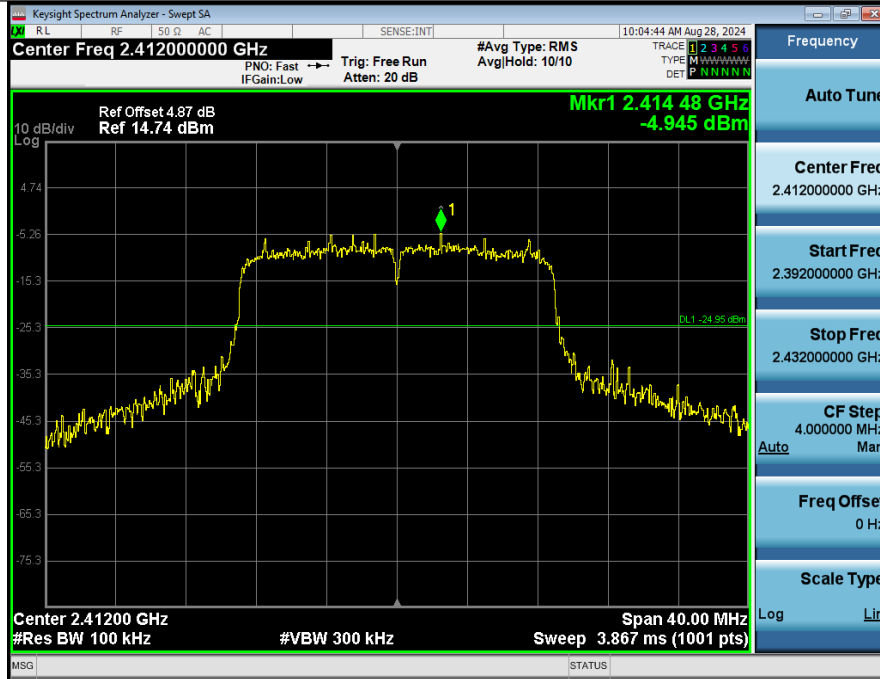
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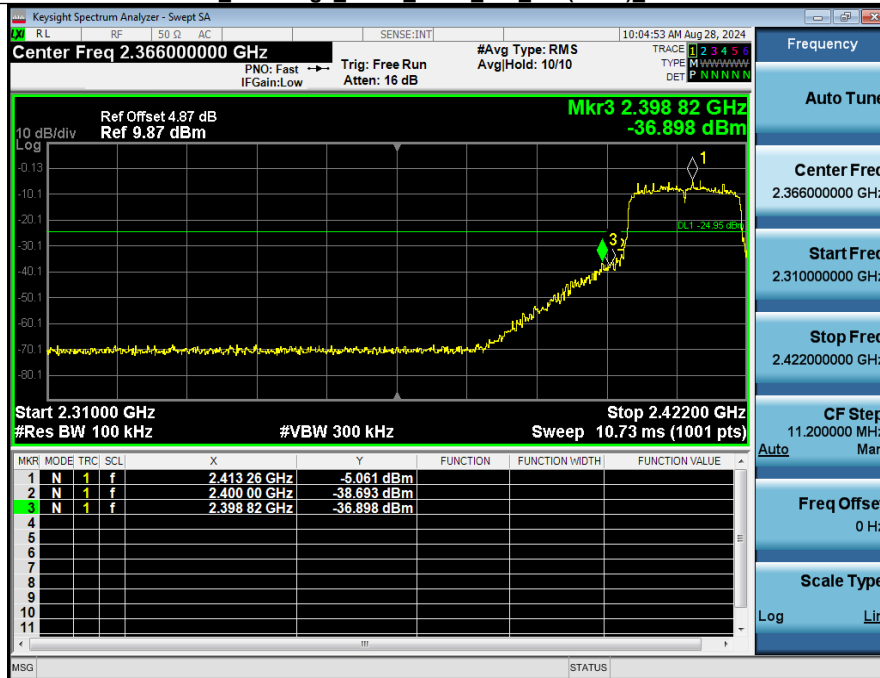
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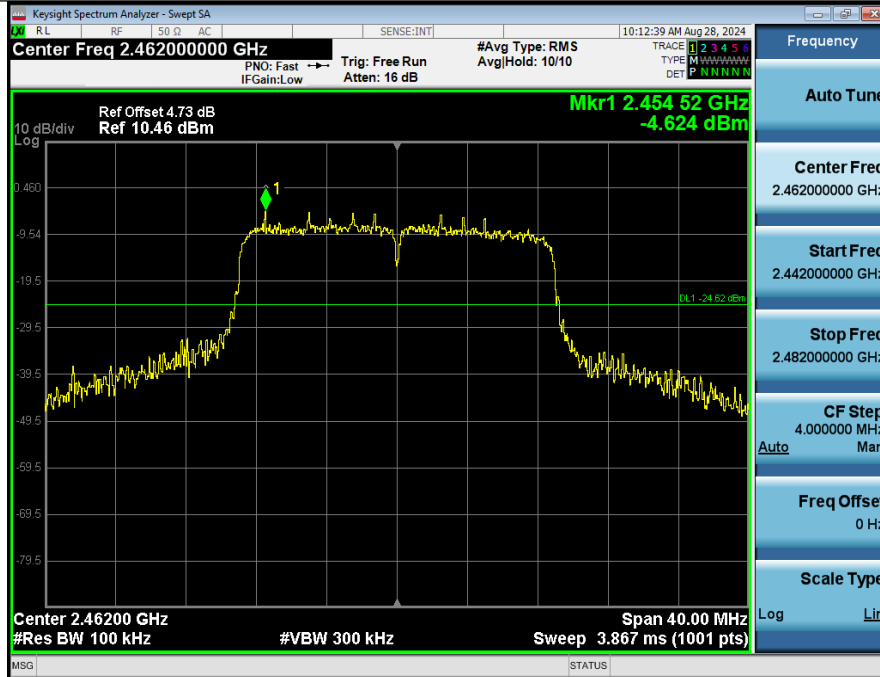
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



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



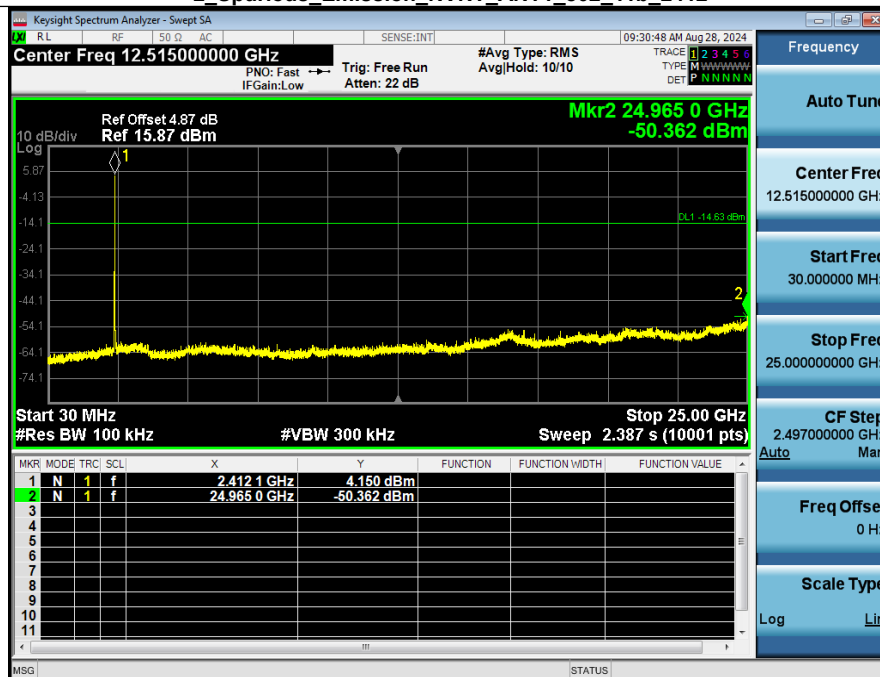
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24965.042	-50.362	-14.628	Pass
NVNT	ANT1	802.11b	2437.00	24975.030	-51.325	-15.706	Pass
NVNT	ANT1	802.11b	2462.00	24952.557	-44.860	-13.825	Pass
NVNT	ANT1	802.11g	2412.00	5218.766	-56.724	-25.074	Pass
NVNT	ANT1	802.11g	2437.00	24937.575	-61.657	-25.047	Pass
NVNT	ANT1	802.11g	2462.00	2614.395	-58.766	-24.857	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24875.150	-57.425	-24.945	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24945.066	-57.328	-24.712	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2522.006	-55.374	-24.624	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412



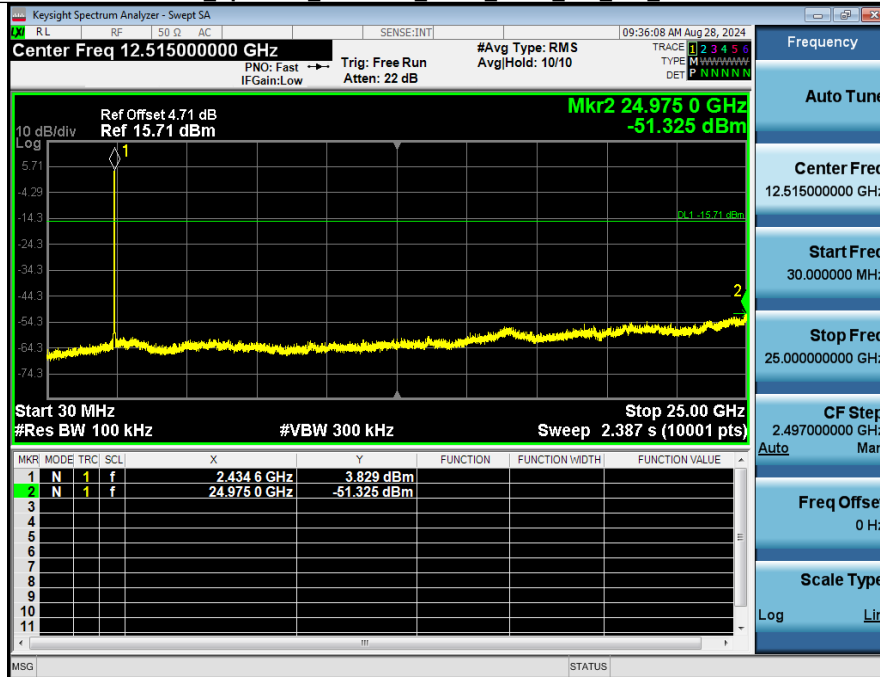
2_Spurious Emission_NVNT_ANT1_802_11b_2412



1_Reference_Level_NVNT_ANT1_802_11b_2437



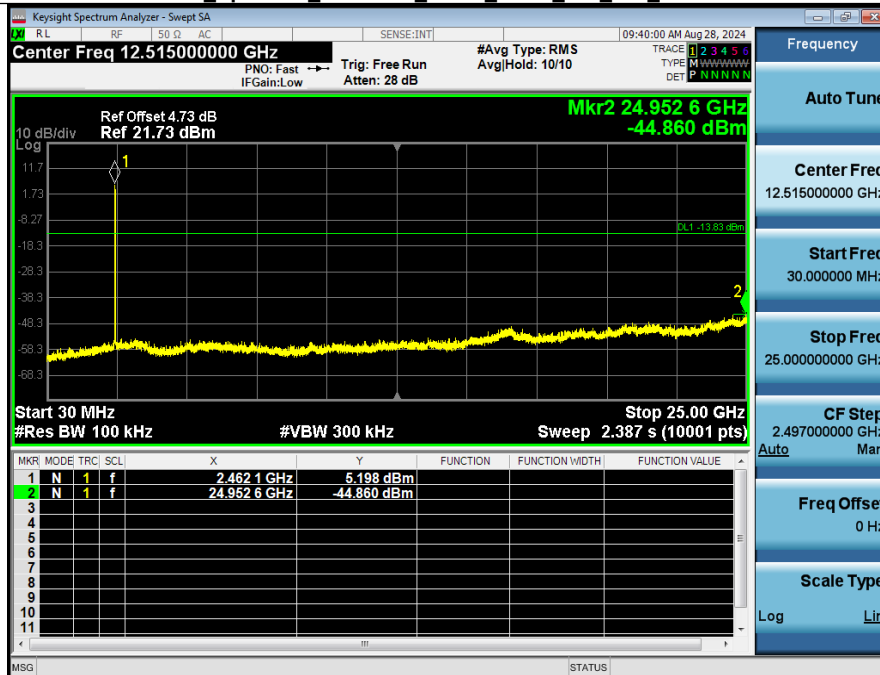
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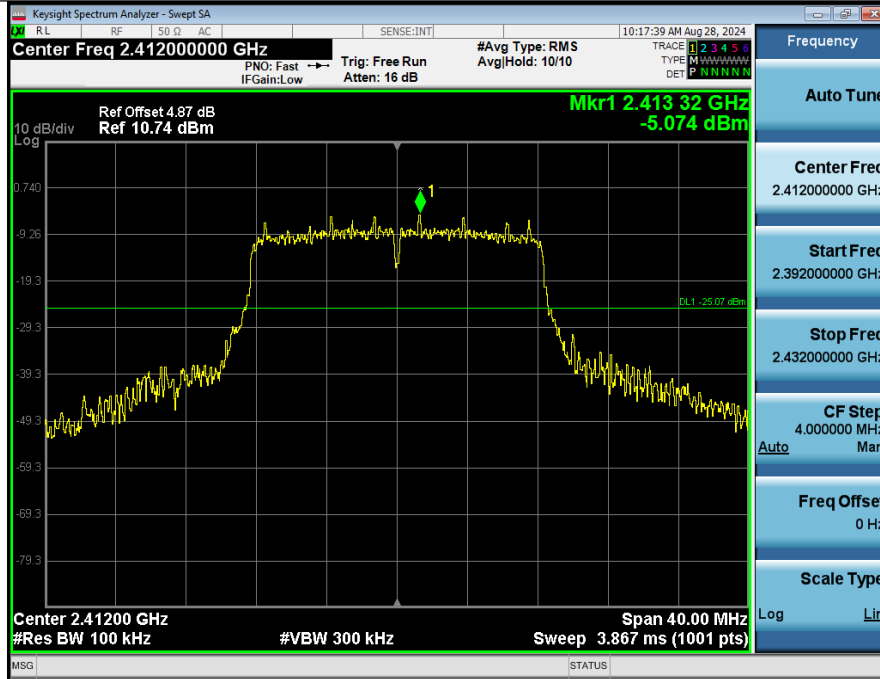
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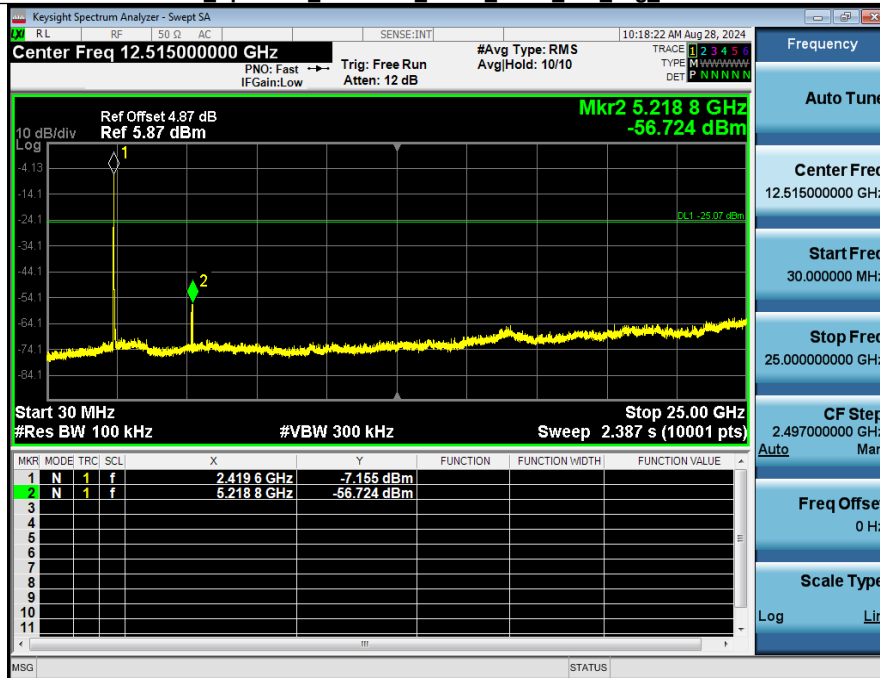
2 Spurious Emission_NVNT_ANT1_802_11b_2462



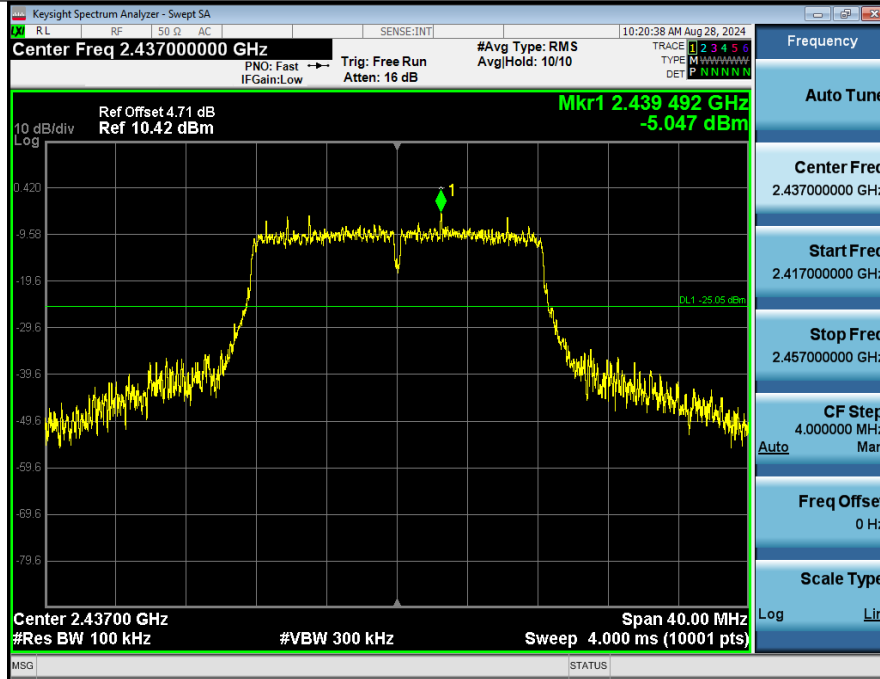
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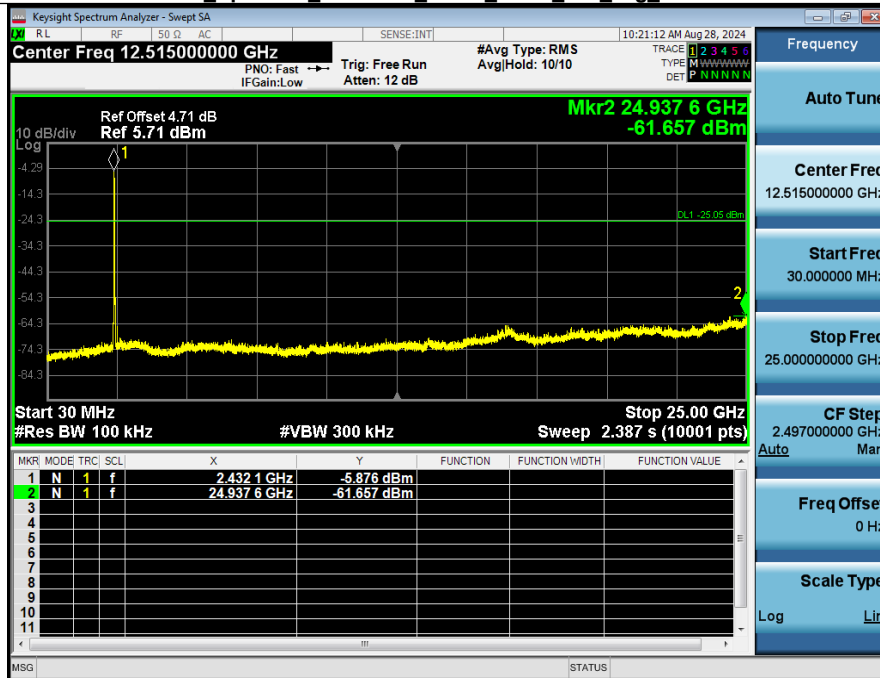
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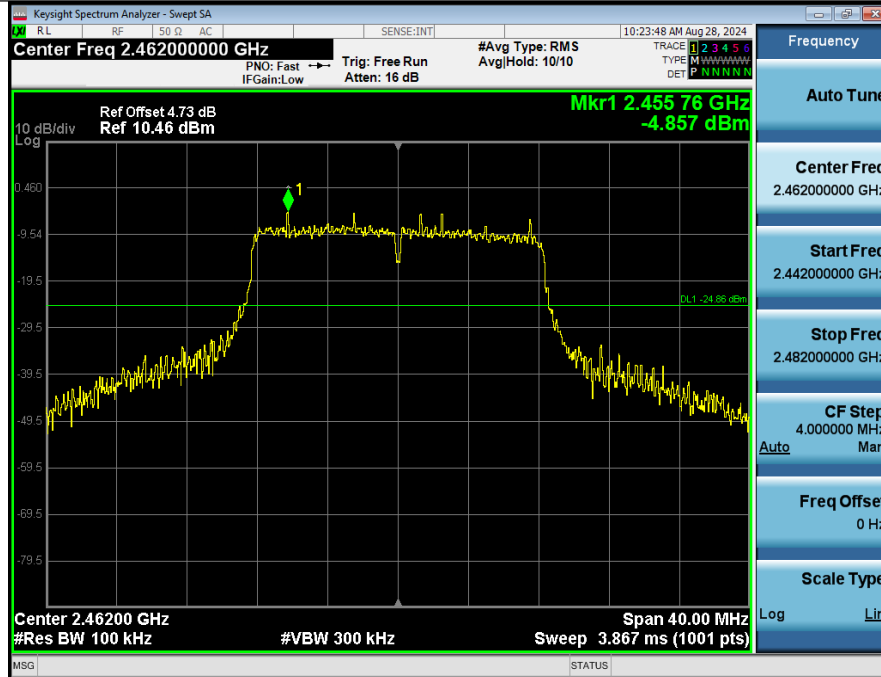
1_Reference_Level_NVNT_ANT1_802_11g_2437



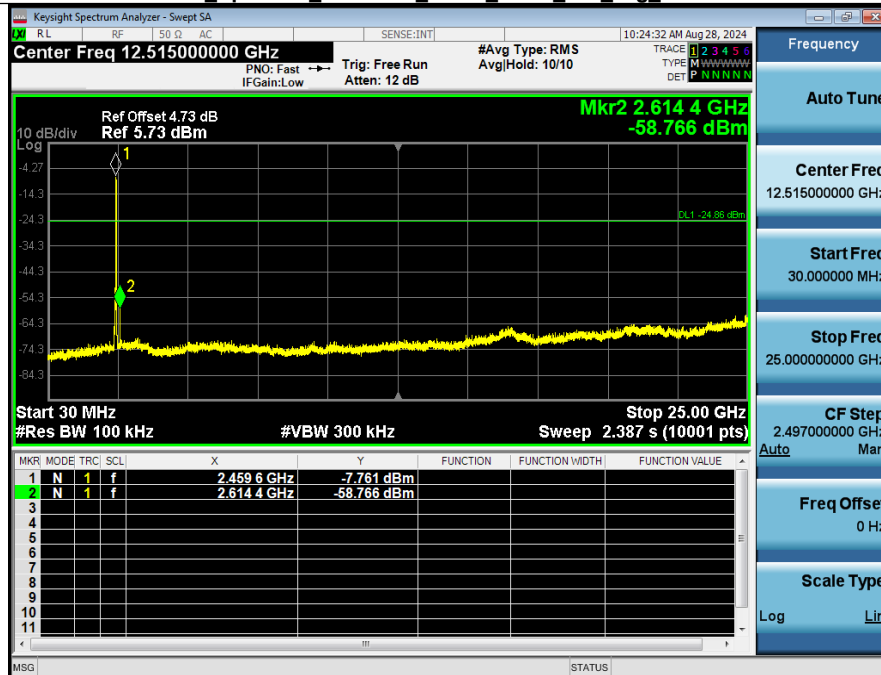
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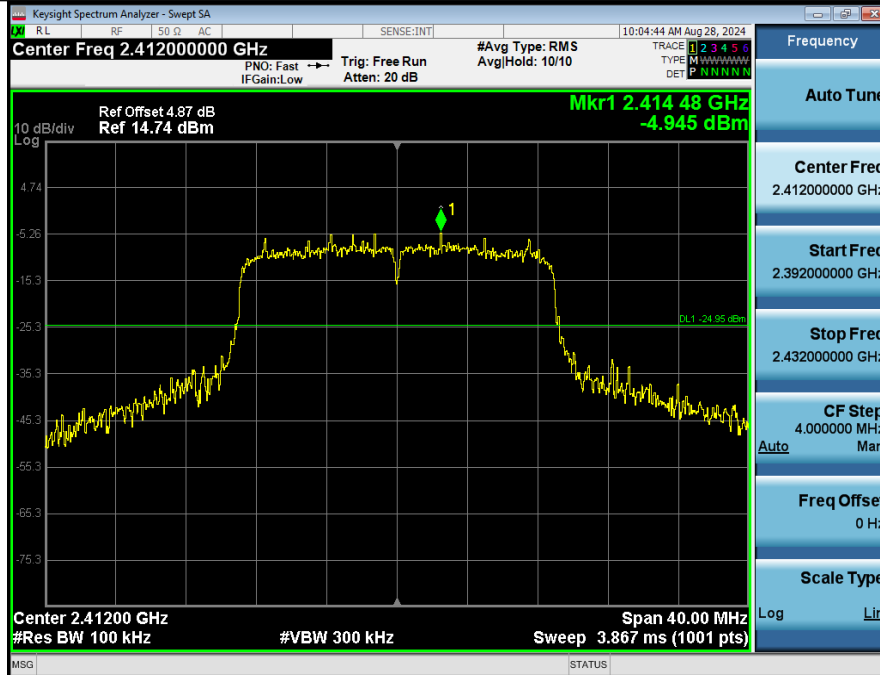
1_Reference_Level_NVNT_ANT1_802_11g_2462



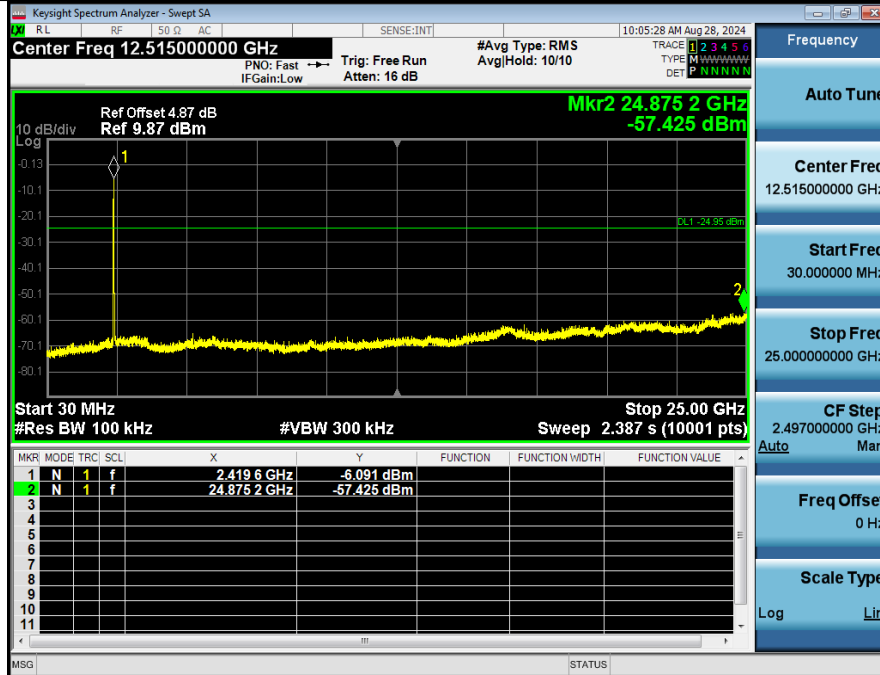
2_Spurious_Emission_NVNT_ANT1_802_11g_2462



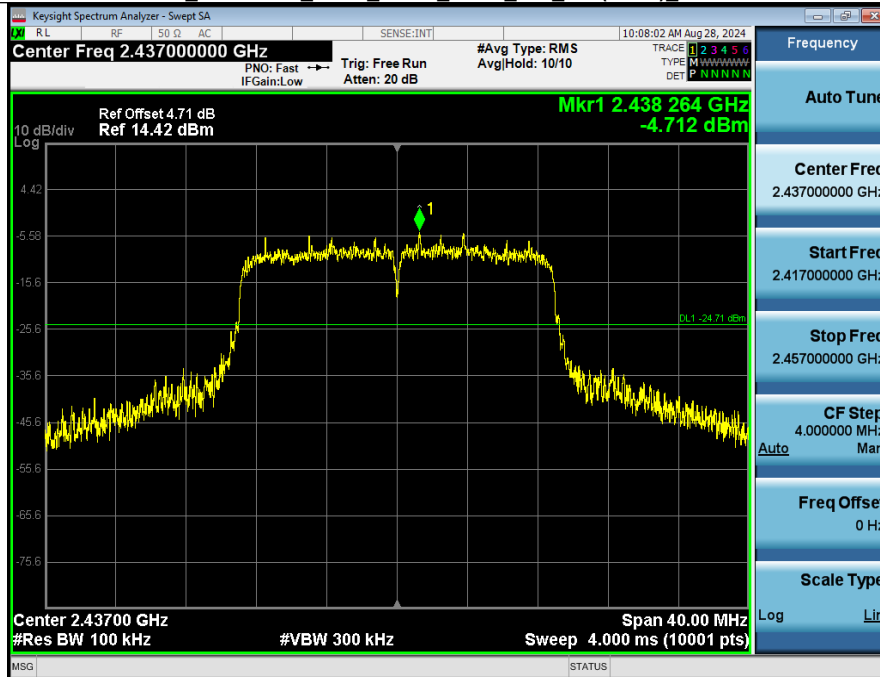
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



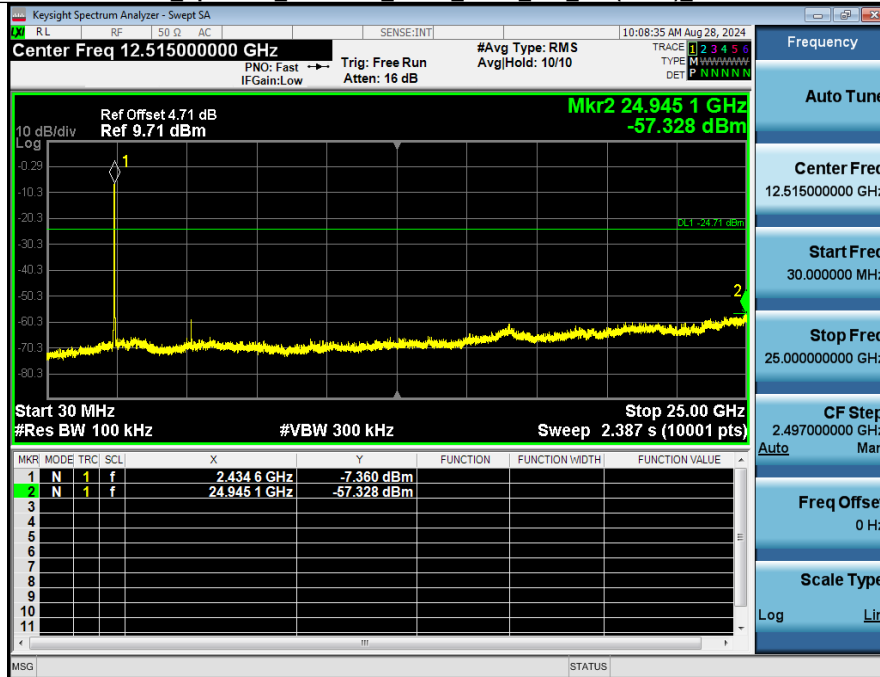
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2412



1 Reference Level NVNT_ANT1_802_11n(HT20)_2437



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

