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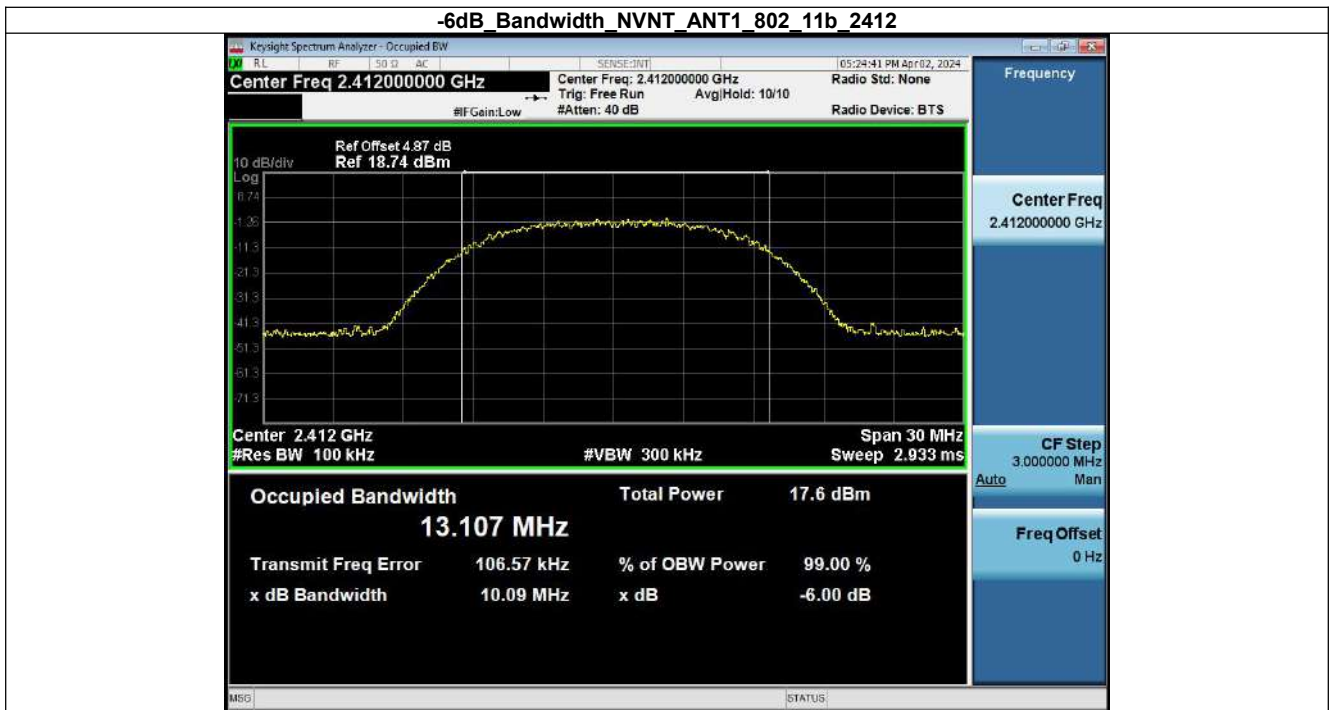
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FCC ID&IC ID WIFI2.4

Test Data

1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.09	500	Pass
NVNT	ANT1	802.11b	2437.00	10.09	500	Pass
NVNT	ANT1	802.11b	2462.00	9.87	500	Pass
NVNT	ANT1	802.11g	2412.00	16.43	500	Pass
NVNT	ANT1	802.11g	2437.00	16.43	500	Pass
NVNT	ANT1	802.11g	2462.00	16.45	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.13	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	16.80	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	16.78	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



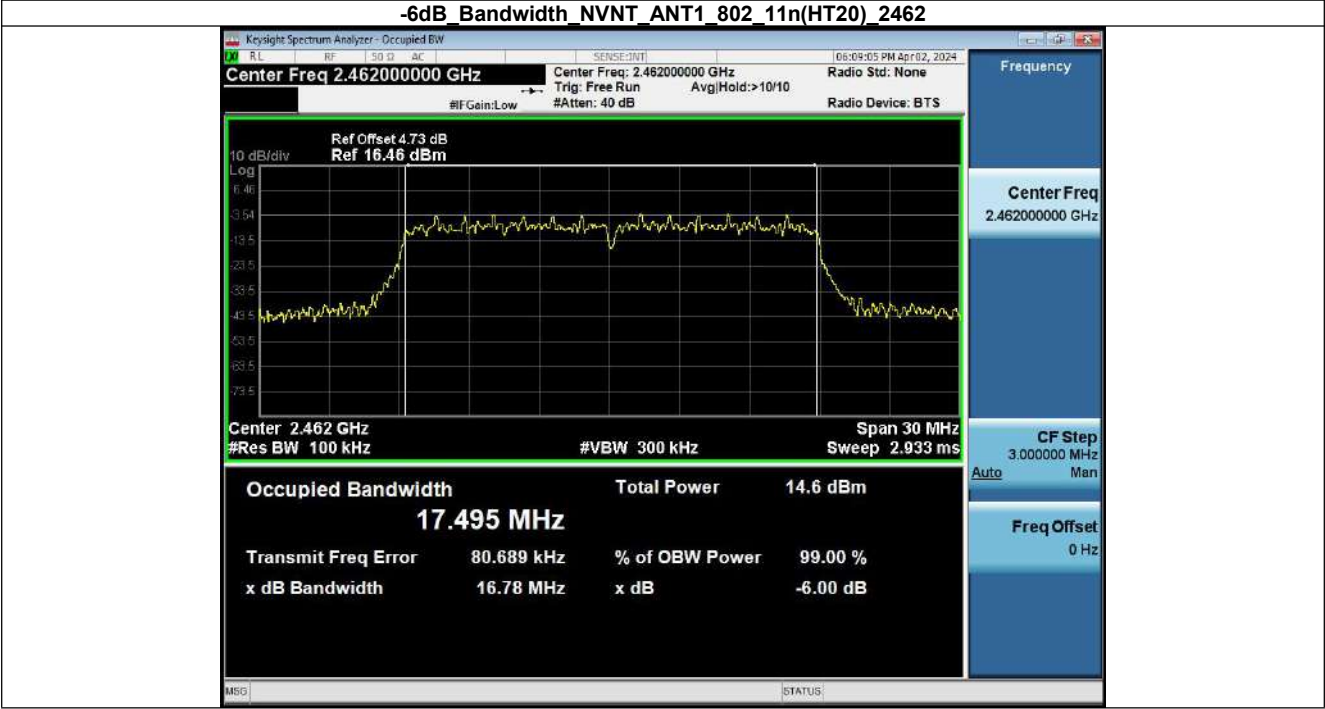
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

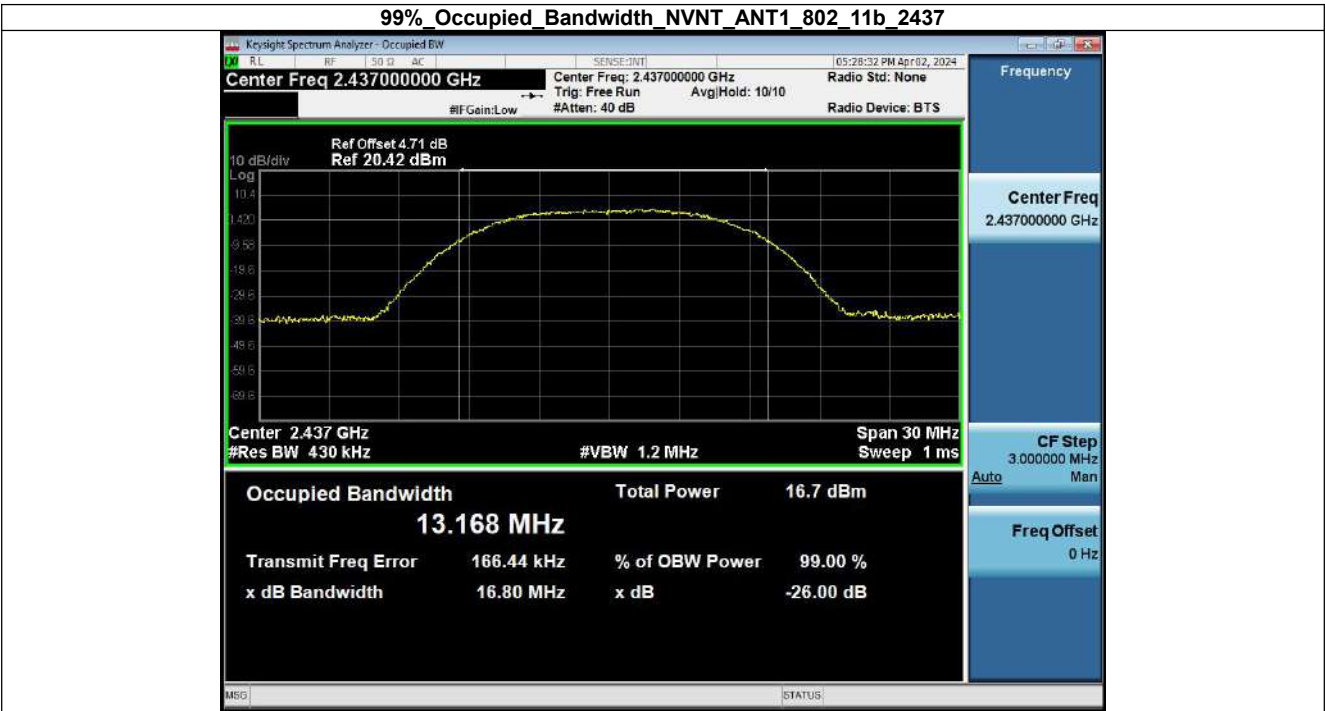
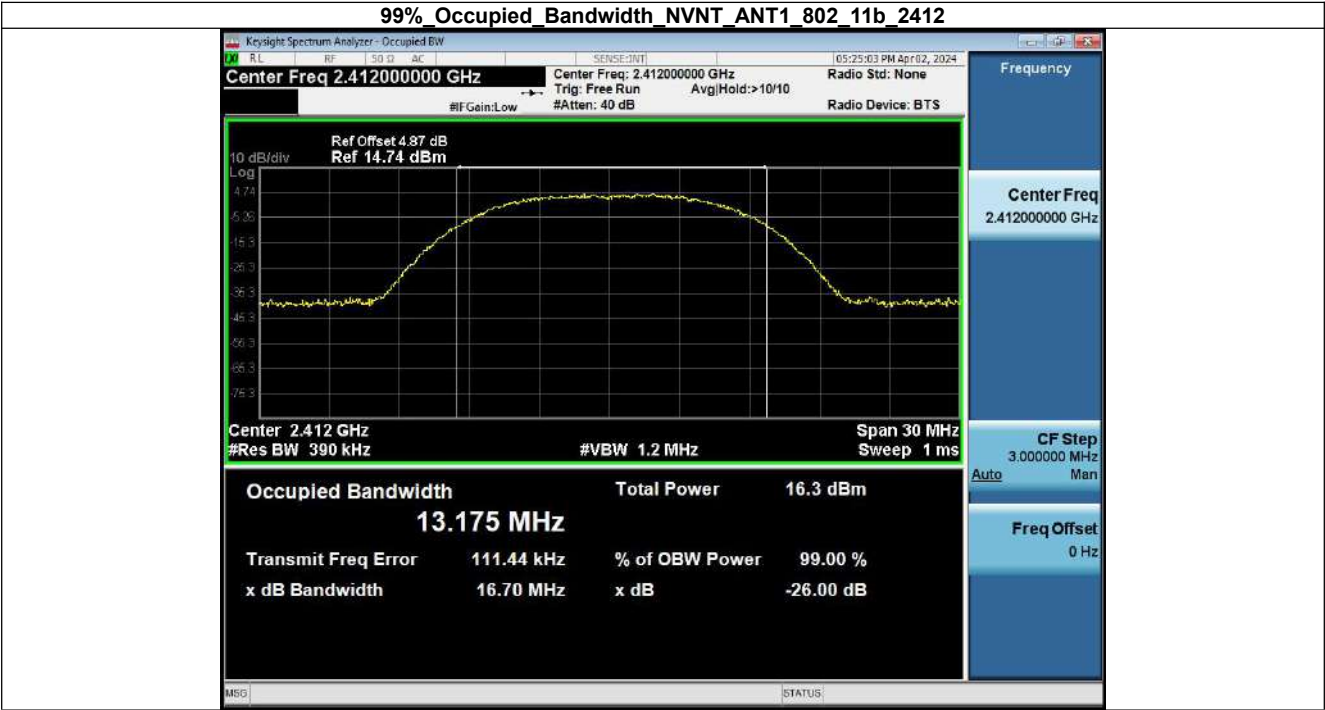


-6dB Bandwidth NVNT_ANT1 802_11n(HT20) 2462



2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.175
NVNT	ANT1	802.11b	2437.00	13.168
NVNT	ANT1	802.11b	2462.00	13.177
NVNT	ANT1	802.11g	2412.00	16.874
NVNT	ANT1	802.11g	2437.00	16.959
NVNT	ANT1	802.11g	2462.00	16.976
NVNT	ANT1	802.11n(HT20)	2412.00	17.590
NVNT	ANT1	802.11n(HT20)	2437.00	17.613
NVNT	ANT1	802.11n(HT20)	2462.00	17.601



99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



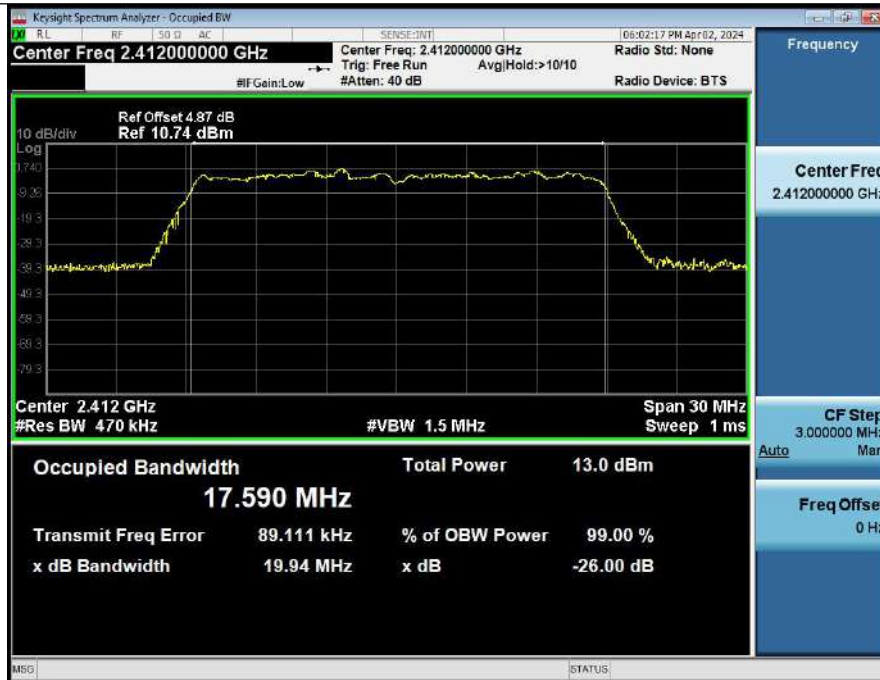
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



99% Occupied Bandwidth_NVNT_ANT1_802_11g_2462



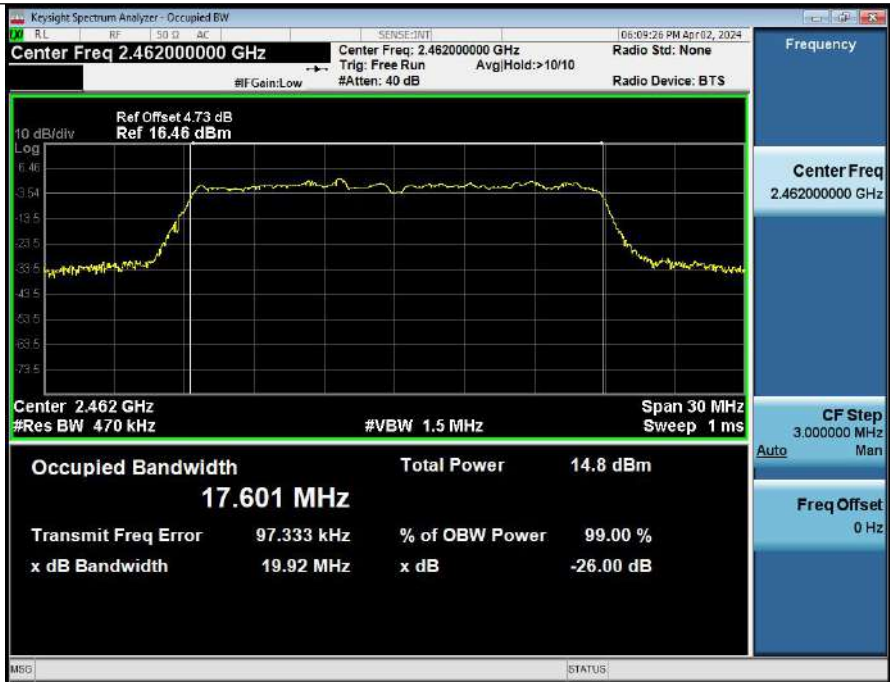
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99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

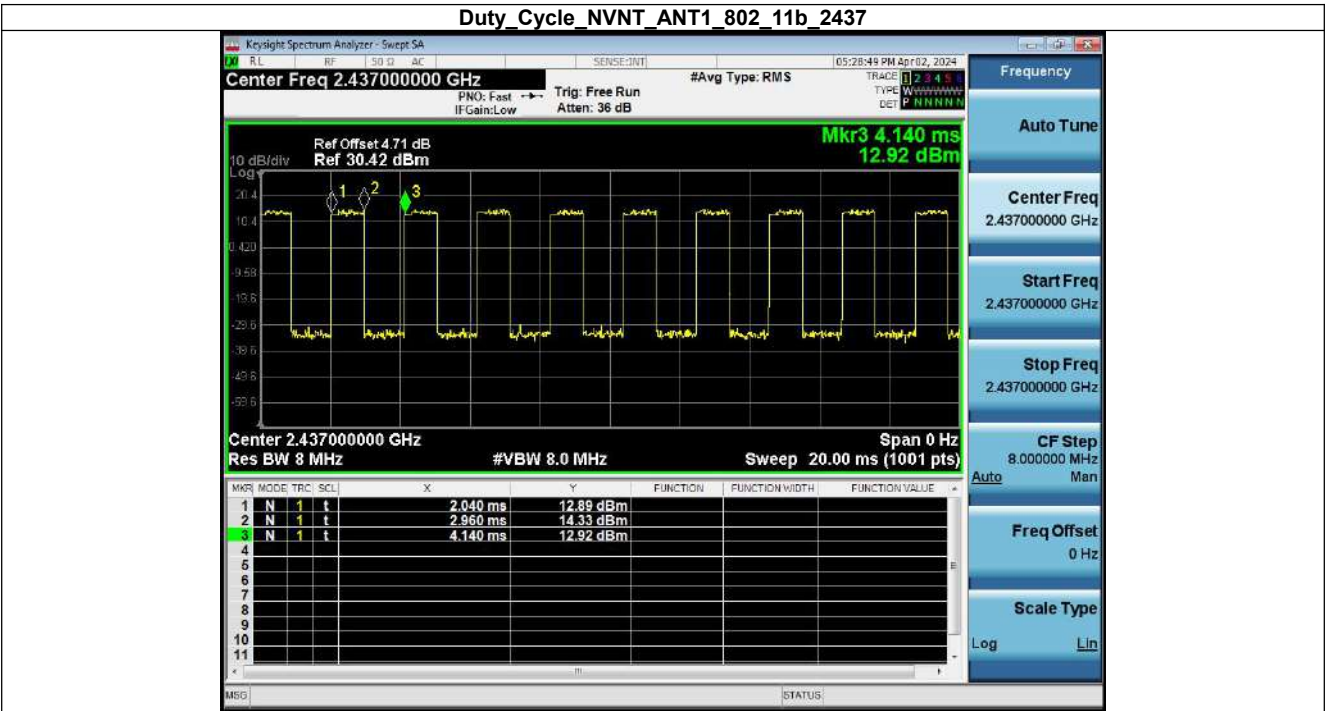
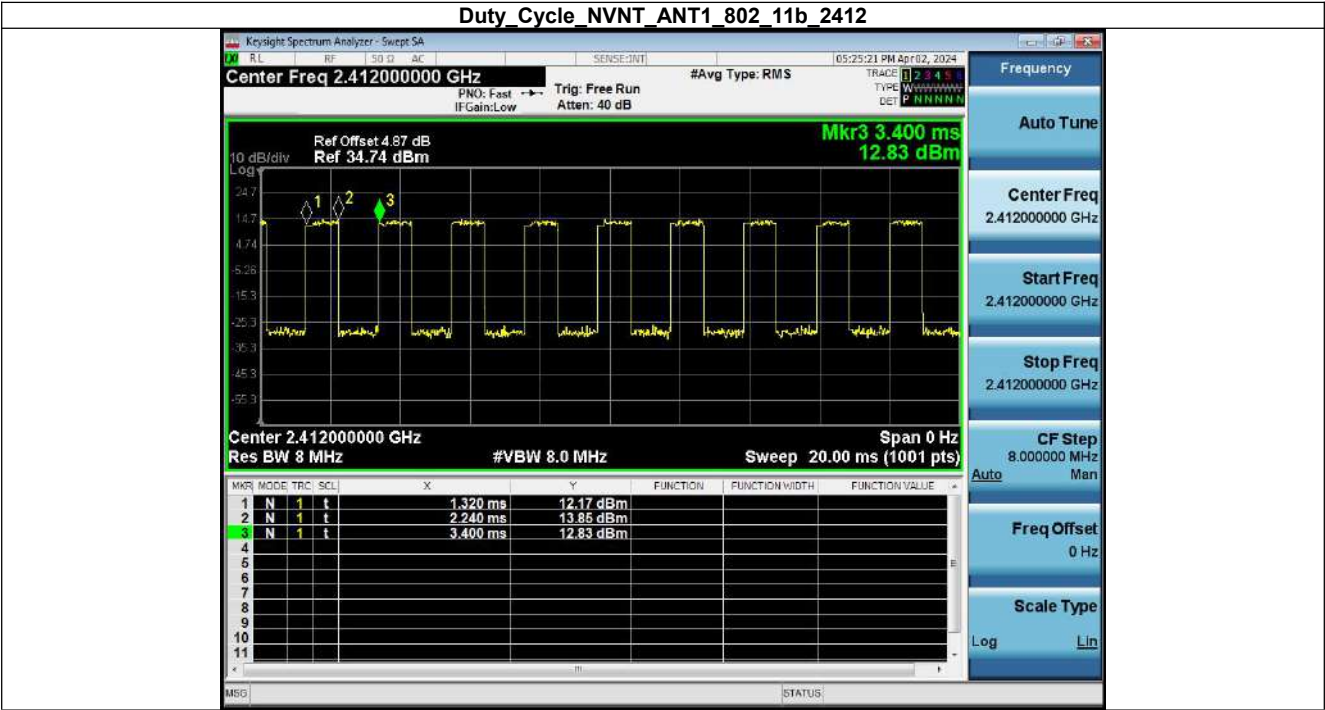


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

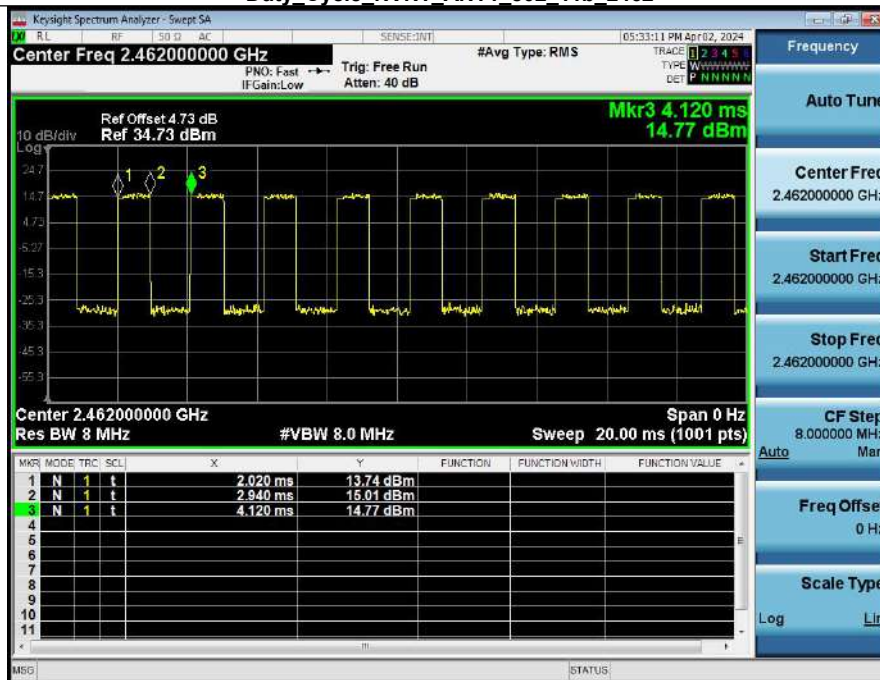


3. Duty Cycle

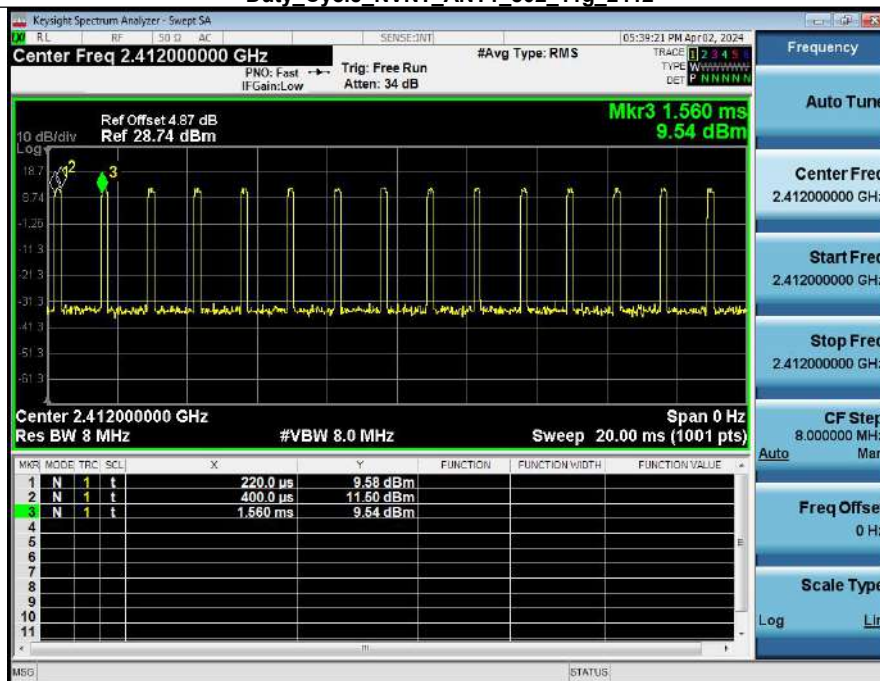
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	45.19	3.45
NVNT	ANT1	802.11b	2437.00	44.76	3.49
NVNT	ANT1	802.11b	2462.00	44.76	3.49
NVNT	ANT1	802.11g	2412.00	13.43	8.72
NVNT	ANT1	802.11g	2437.00	13.43	8.72
NVNT	ANT1	802.11g	2462.00	12.12	9.16
NVNT	ANT1	802.11n(HT20)	2412.00	12.12	9.16
NVNT	ANT1	802.11n(HT20)	2437.00	10.77	9.68
NVNT	ANT1	802.11n(HT20)	2462.00	10.77	9.68



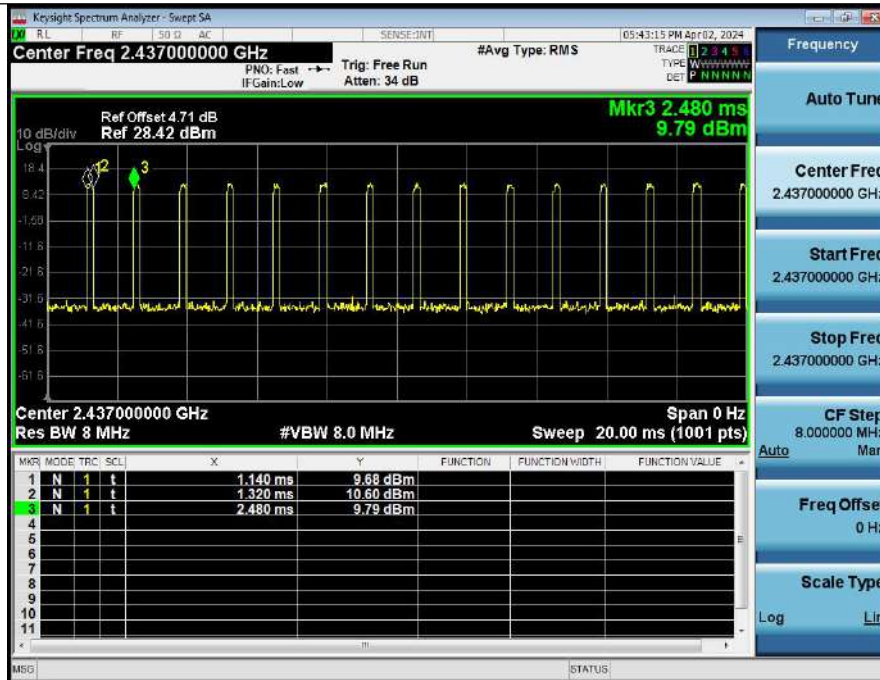
Duty Cycle NVNT_ANT1_802_11b_2462



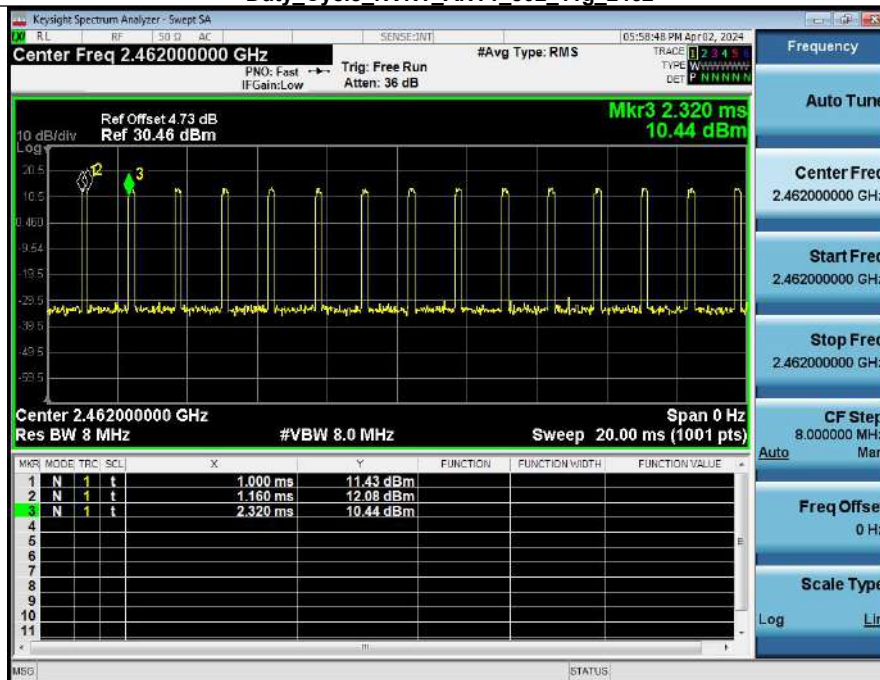
Duty Cycle NVNT_ANT1_802_11g_2412



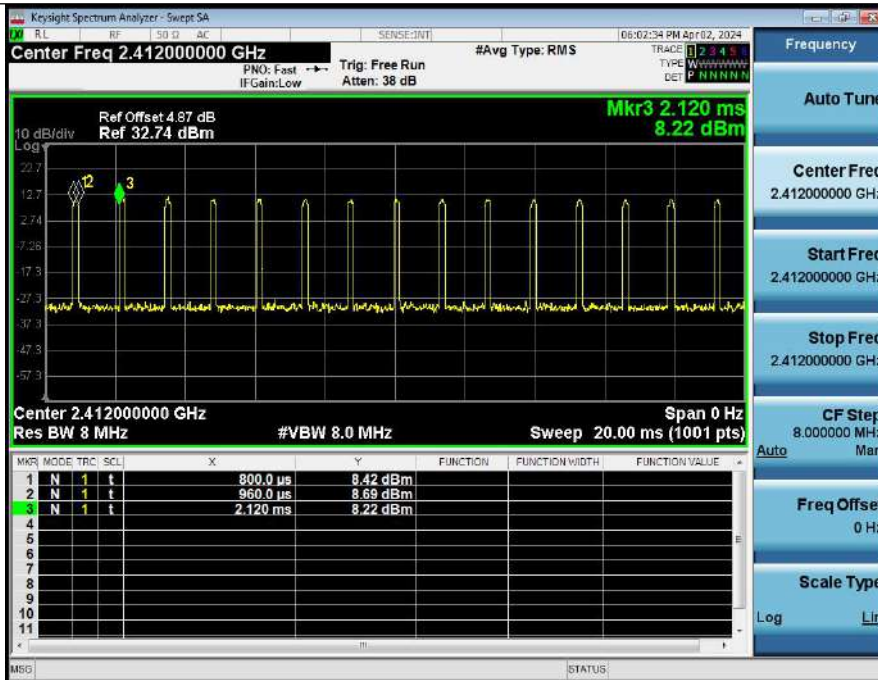
Duty Cycle NVNT_ANT1_802_11g_2437



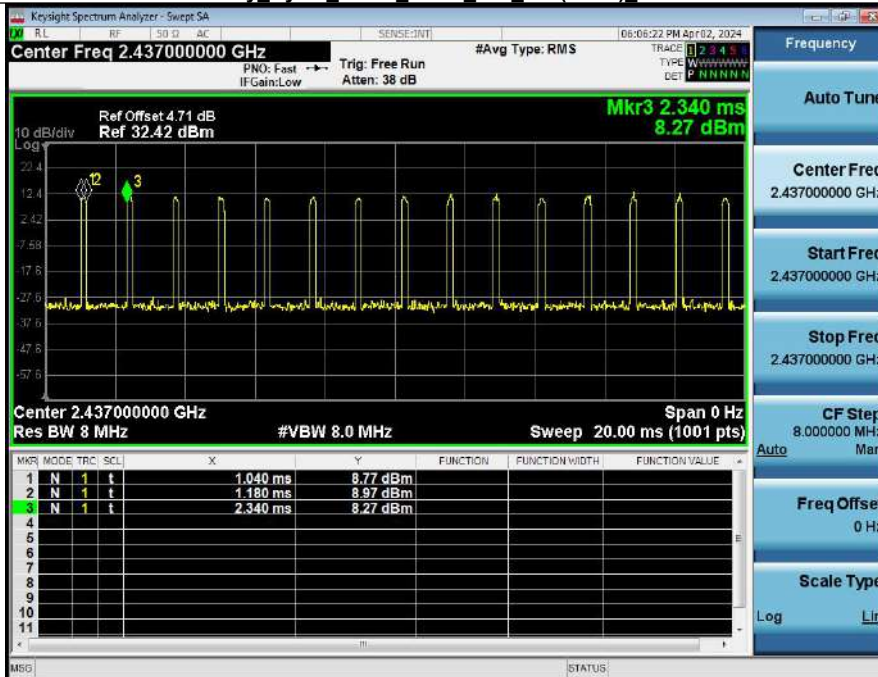
Duty_Cycle_NVNT_ANT1_802_11g_2462



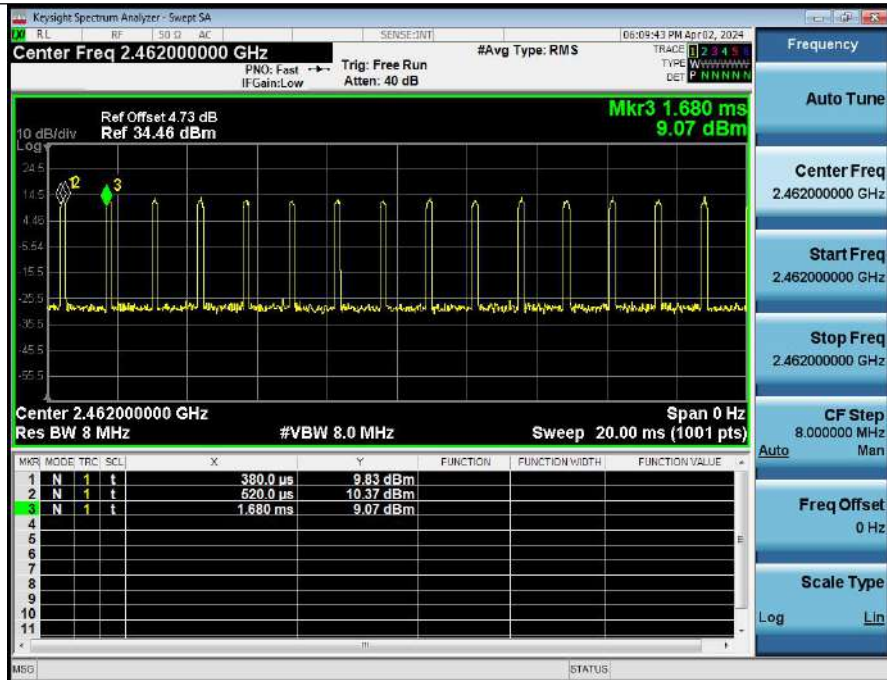
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



4. MAX. Output Power

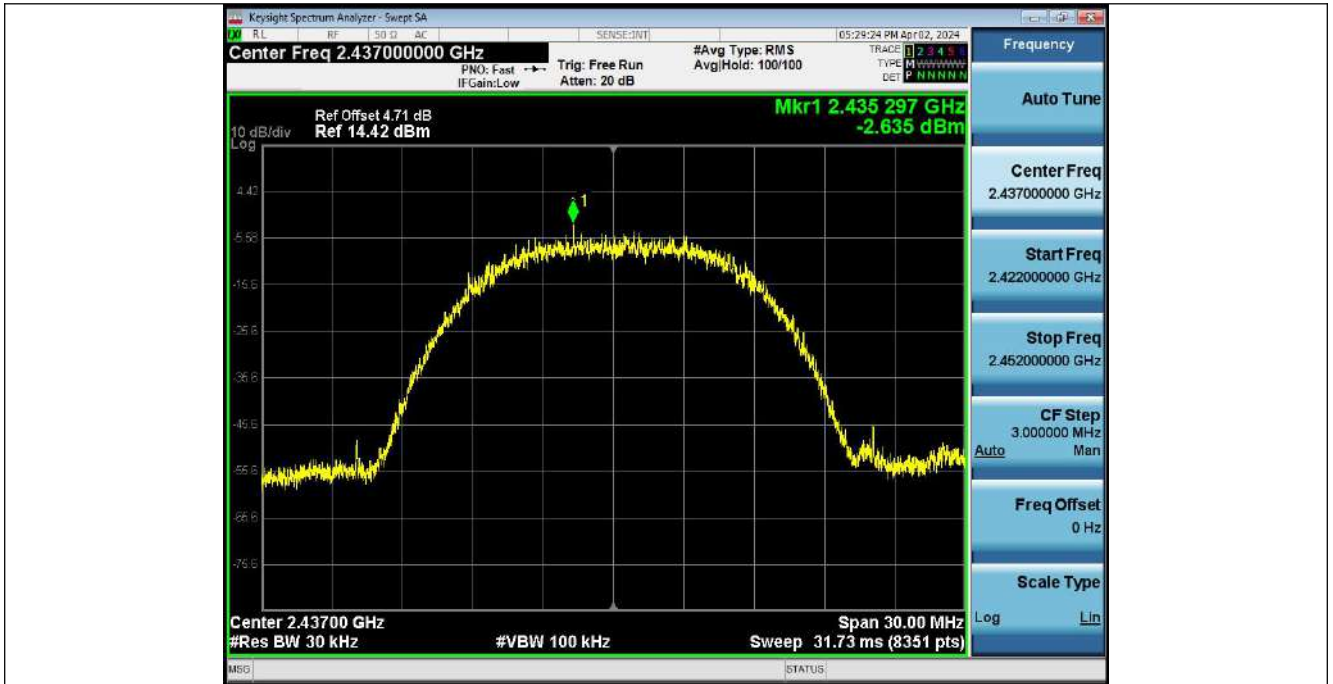
Condition	Antenna	Modulation	Frequency (MHz)	Antenna gain	Conducted Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP limit (dBm)	Result
NVNT	ANT1	802.11b	2412.00	2.21	15.00	30	17.21	36	Pass
NVNT	ANT1	802.11b	2437.00	2.21	15.71	30	17.92	36	Pass
NVNT	ANT1	802.11b	2462.00	2.21	16.70	30	18.91	36	Pass
NVNT	ANT1	802.11g	2412.00	2.21	14.20	30	16.41	36	Pass
NVNT	ANT1	802.11g	2437.00	2.21	14.64	30	16.85	36	Pass
NVNT	ANT1	802.11g	2462.00	2.21	15.96	30	18.17	36	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2.21	13.61	30	15.82	36	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2.21	13.98	30	16.19	36	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2.21	15.34	30	17.55	36	Pass

5. Power Spectral Density

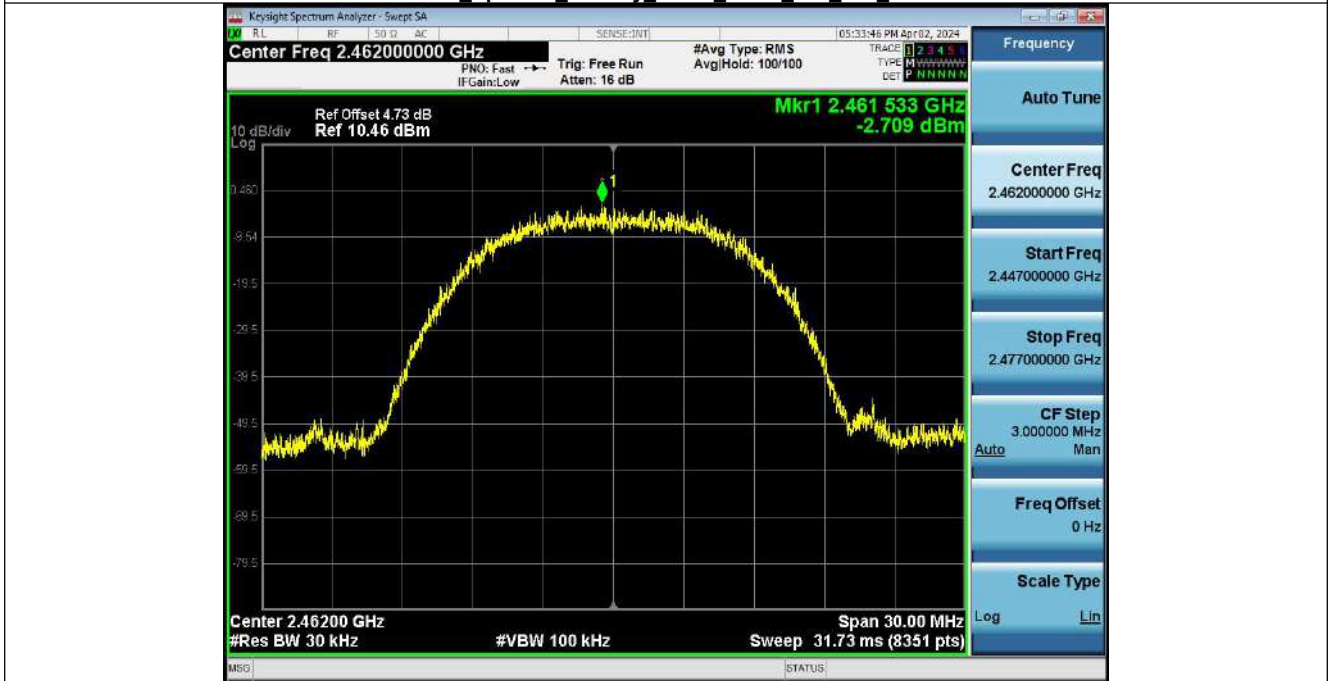
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-2.91	N/A	-10.00	-12.91	8	Pass
NVNT	ANT1	802.11b	2437.00	-2.63	N/A	-10.00	-12.63	8	Pass
NVNT	ANT1	802.11b	2462.00	-2.71	N/A	-10.00	-12.71	8	Pass
NVNT	ANT1	802.11g	2412.00	-8.63	N/A	-10.00	-18.63	8	Pass
NVNT	ANT1	802.11g	2437.00	-8.17	N/A	-10.00	-18.17	8	Pass
NVNT	ANT1	802.11g	2462.00	-7.07	N/A	-10.00	-17.07	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-9.87	N/A	-10.00	-19.87	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-9.46	N/A	-10.00	-19.46	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-8.18	N/A	-10.00	-18.18	8	Pass



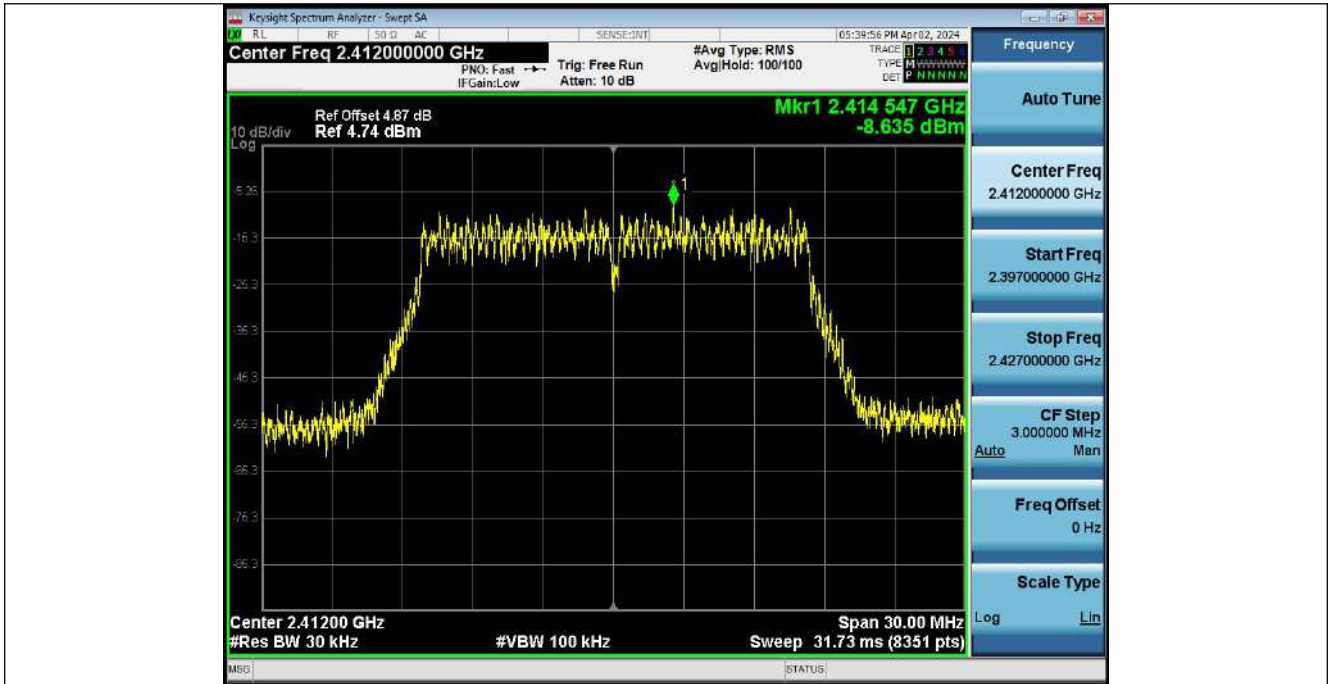
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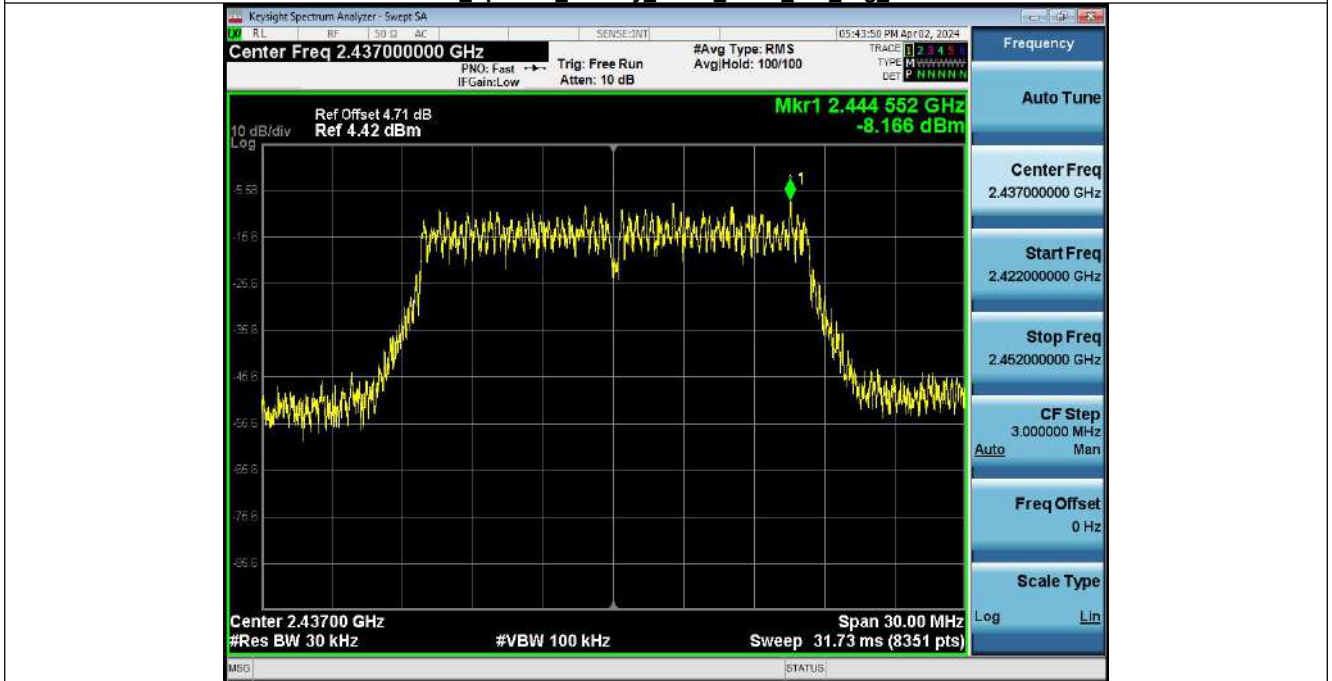
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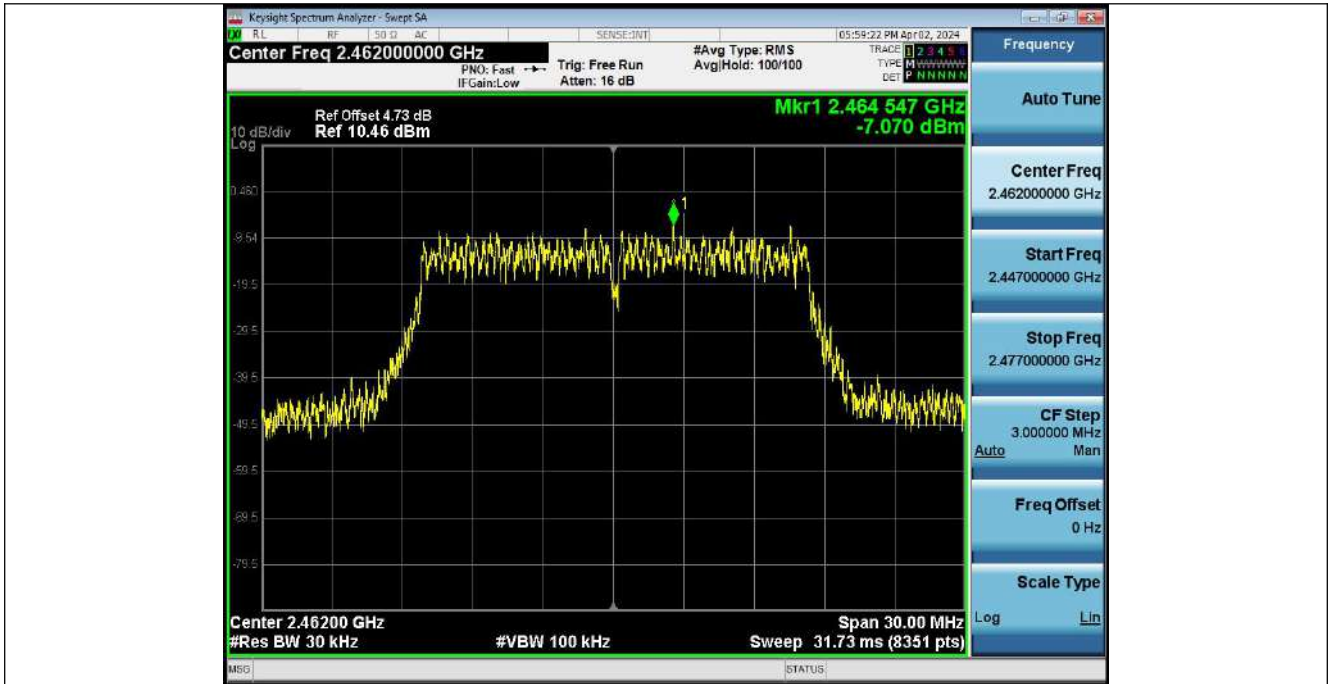
Power_Spectral_Density_NVNT_ANT1_802_11g_2412



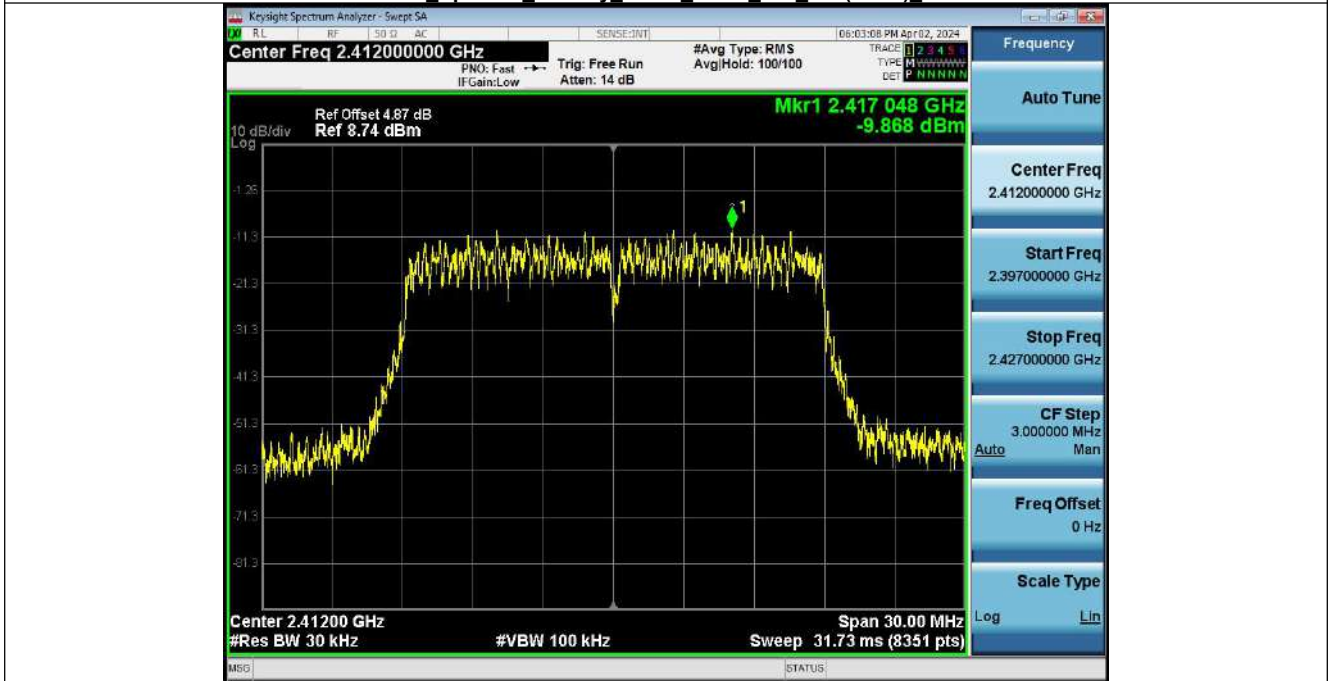
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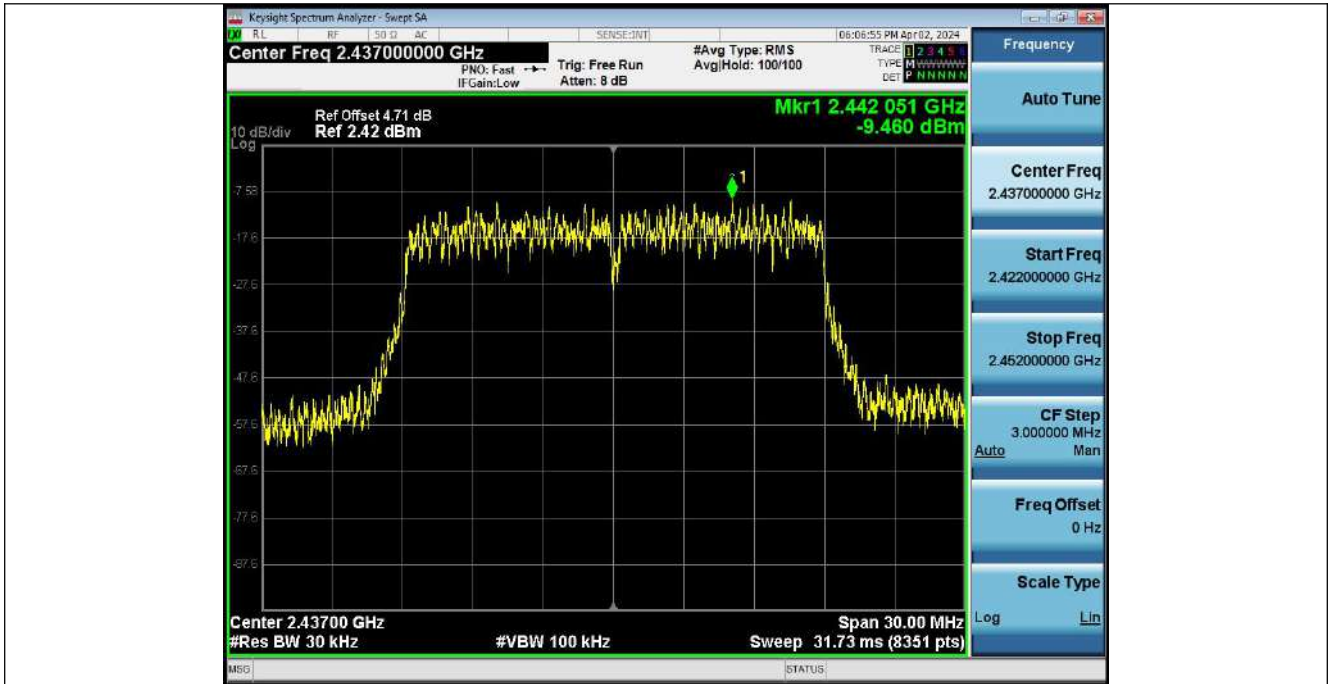
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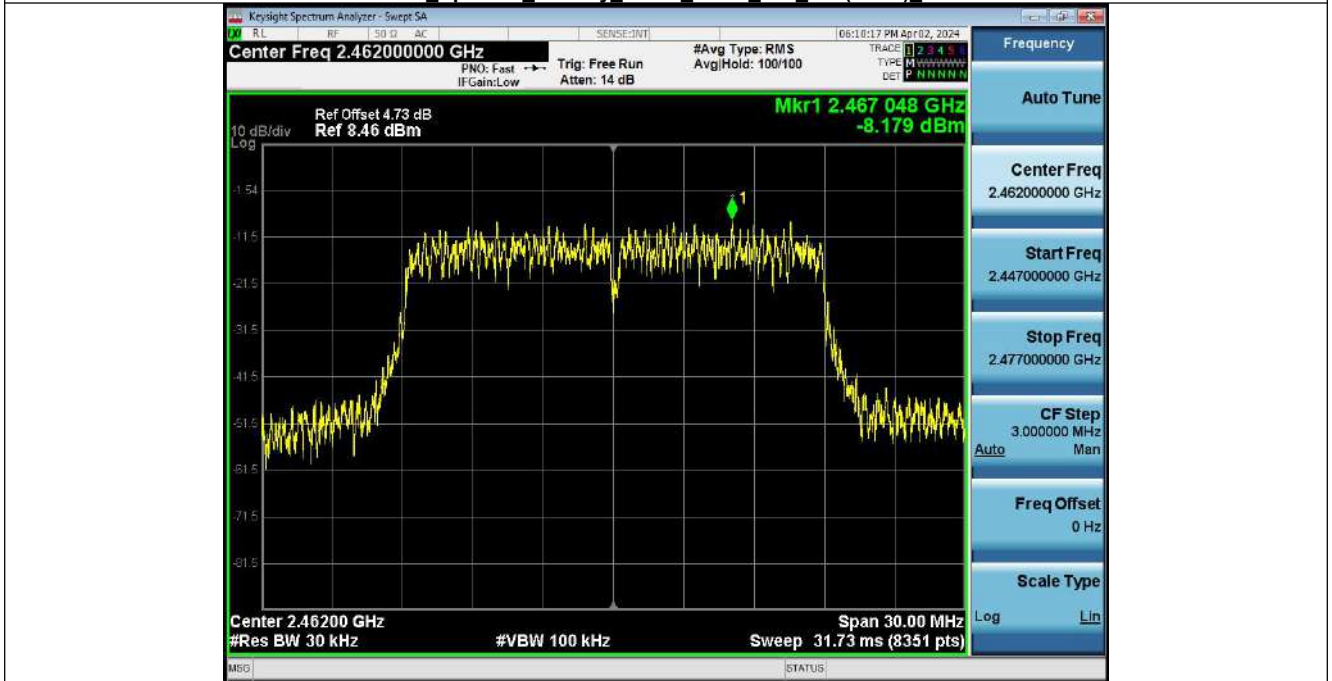
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412



Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437



Power Spectral Density NVNT ANT1 802_11n(HT20) 2462



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.824	-49.599	-20.868	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	-50.246	-17.585	Pass
NVNT	ANT1	802.11g	2412.00	2398.256	-47.614	-23.713	Pass
NVNT	ANT1	802.11g	2462.00	2484.880	-43.624	-22.410	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.600	-48.663	-24.937	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.584	-48.060	-23.042	Pass

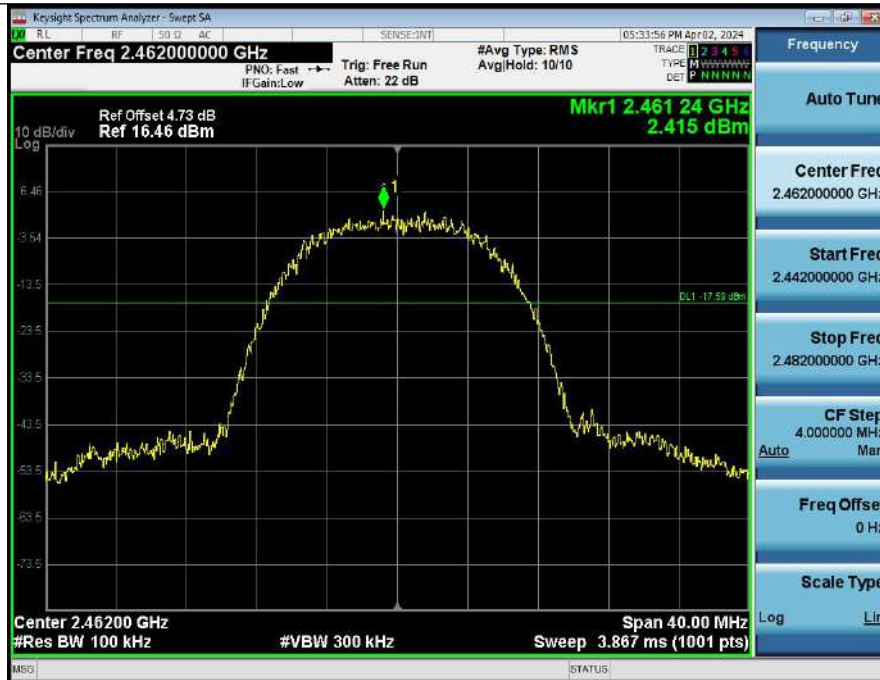
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2 Bandedge_NVNT_ANT1_802_11b_2412



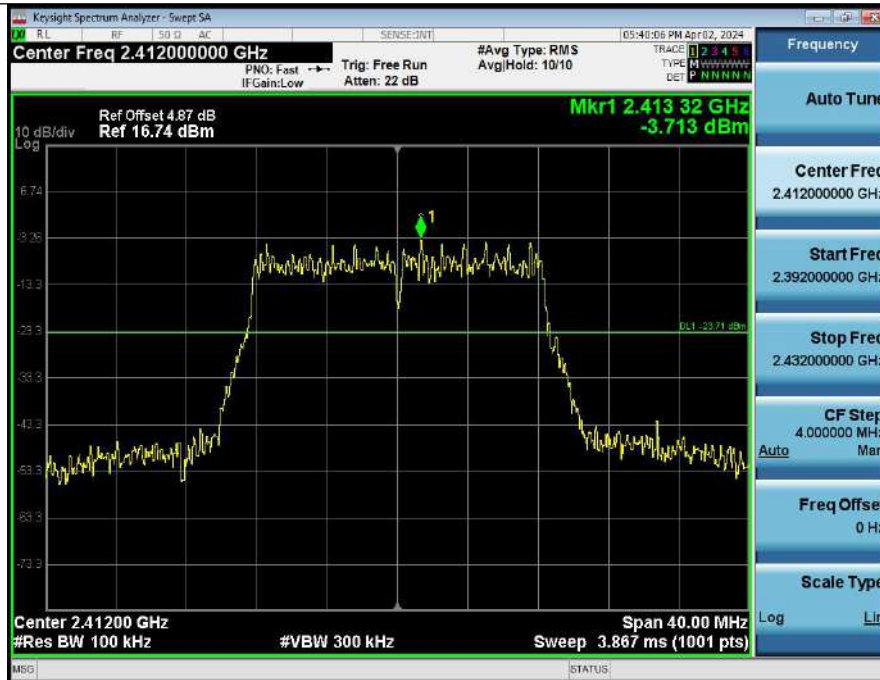
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2_Bandedge_NVNT_ANT1_802_11b_2462



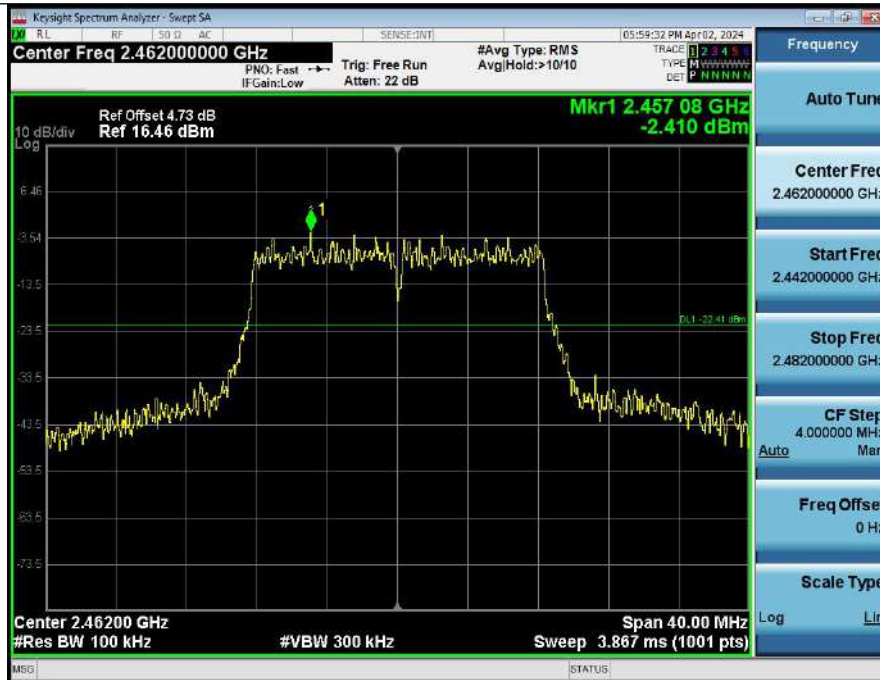
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2_Bandedge_NVNT_ANT1_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2462



2_Bandedge_NVNT_ANT1_802_11g_2462



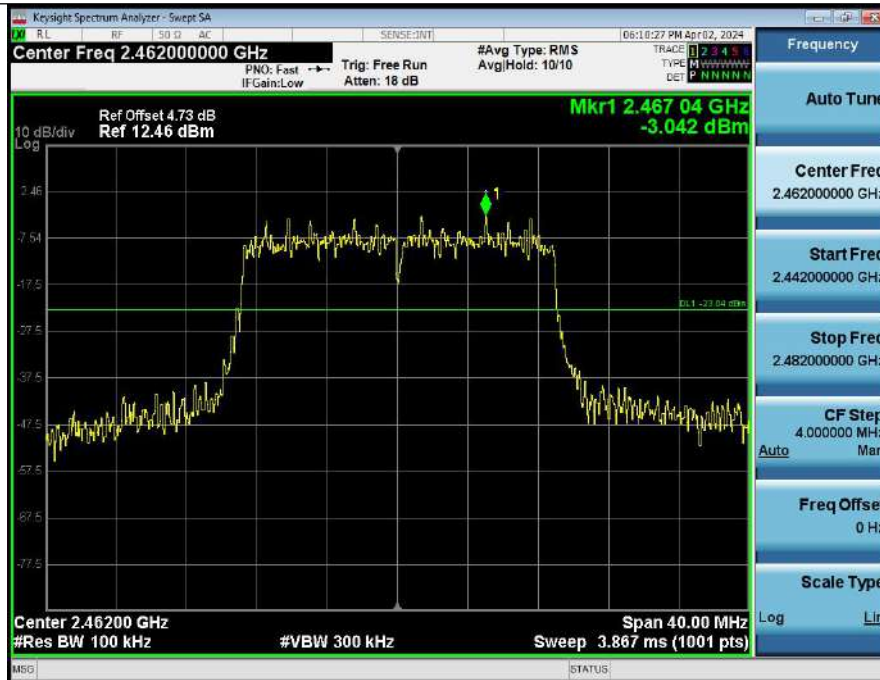
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2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



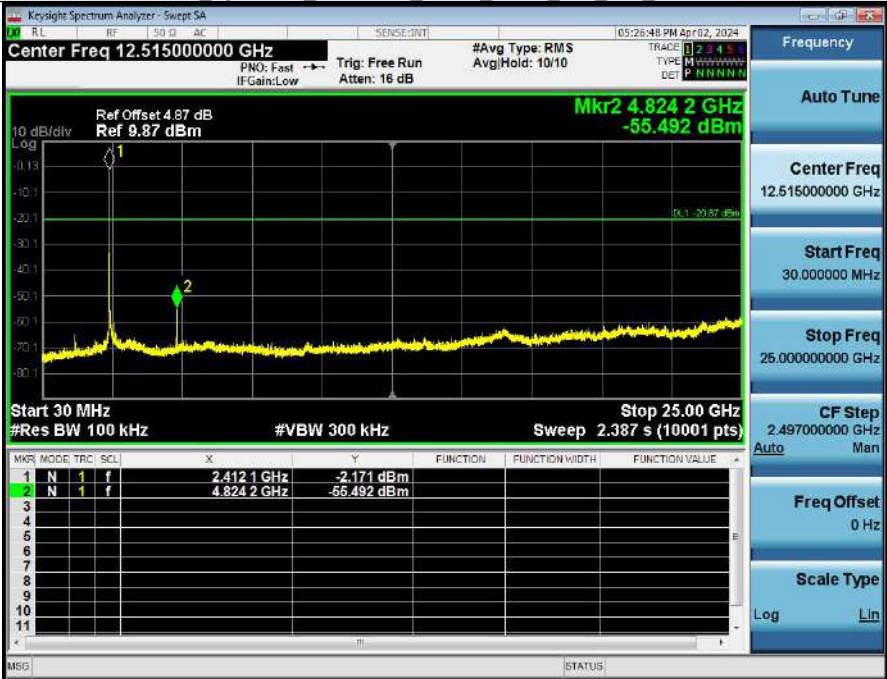
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	4824.240	-55.492	-20.868	Pass
NVNT	ANT1	802.11b	2437.00	4874.180	-52.853	-20.665	Pass
NVNT	ANT1	802.11b	2462.00	24500.600	-55.466	-17.585	Pass
NVNT	ANT1	802.11g	2412.00	25000.000	-55.266	-23.713	Pass
NVNT	ANT1	802.11g	2437.00	24995.006	-56.242	-23.962	Pass
NVNT	ANT1	802.11g	2462.00	25000.000	-55.749	-22.410	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24995.006	-62.307	-24.937	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	1745.439	-58.242	-24.546	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24513.085	-58.873	-23.042	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412



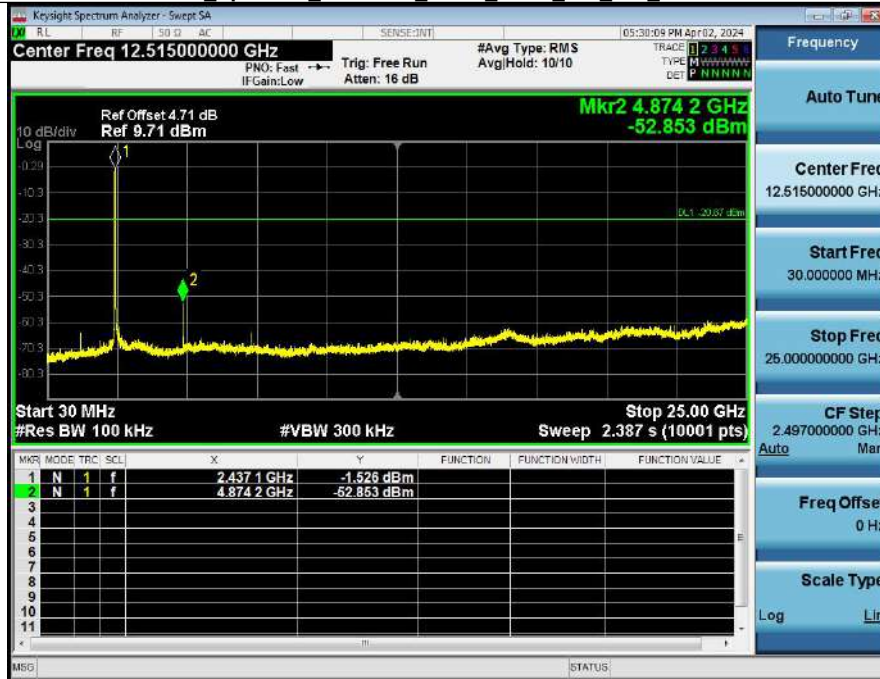
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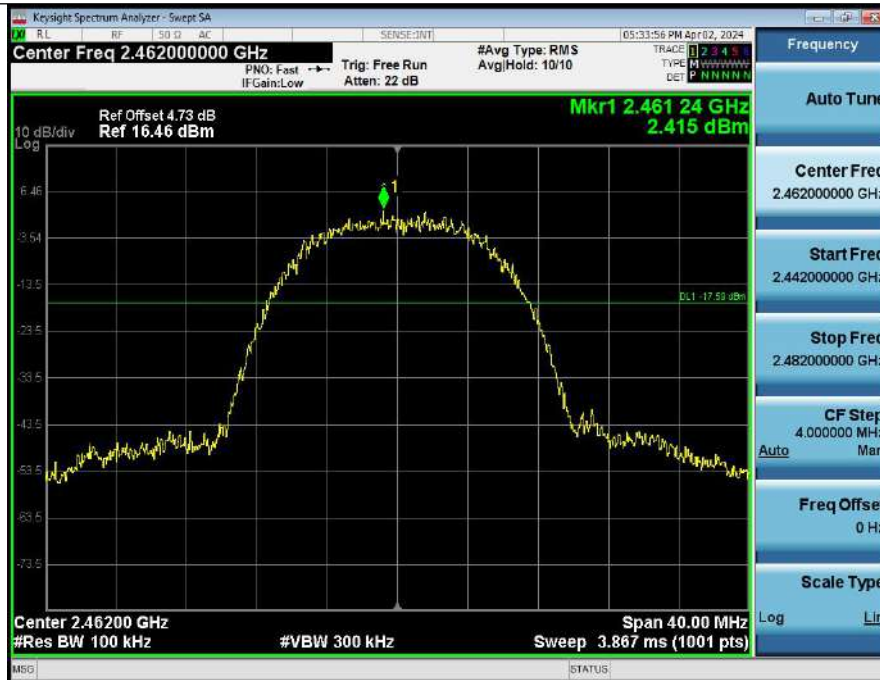
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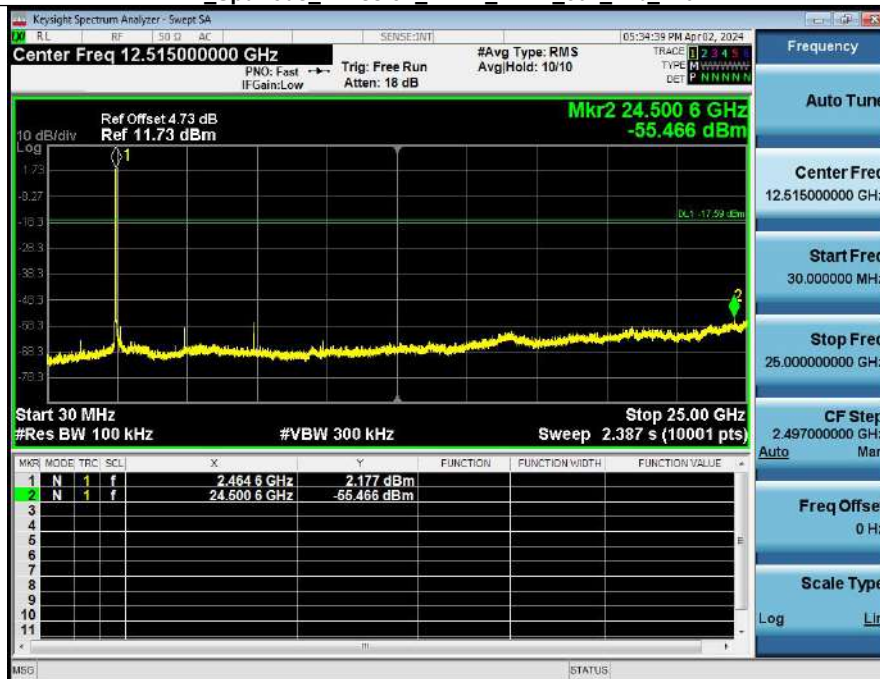
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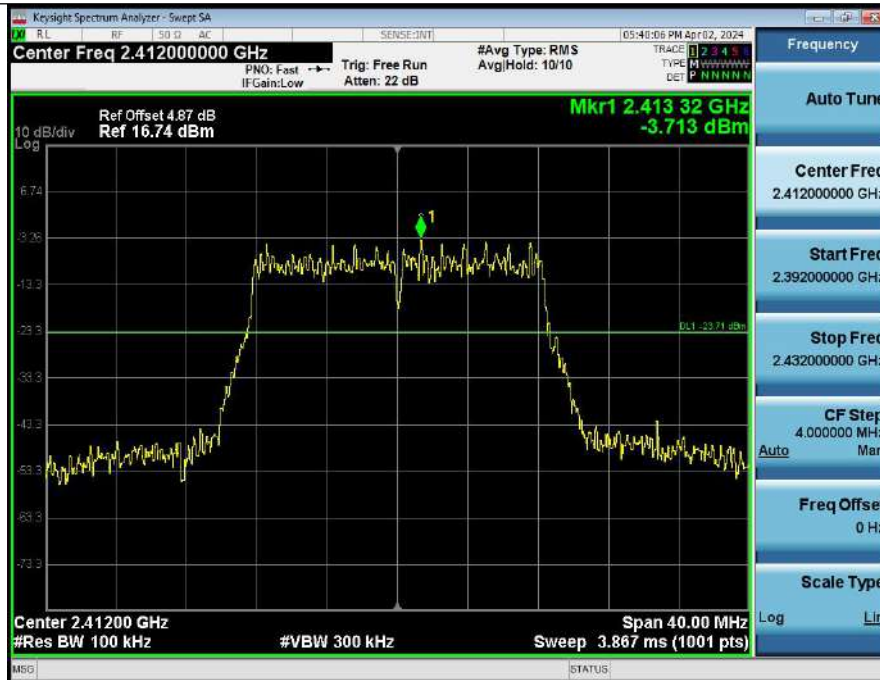
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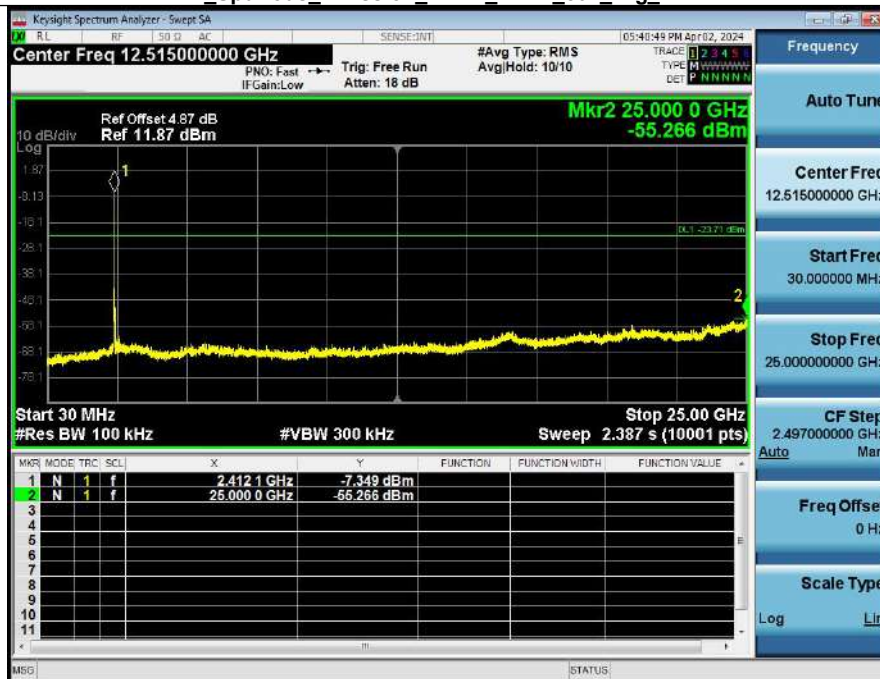
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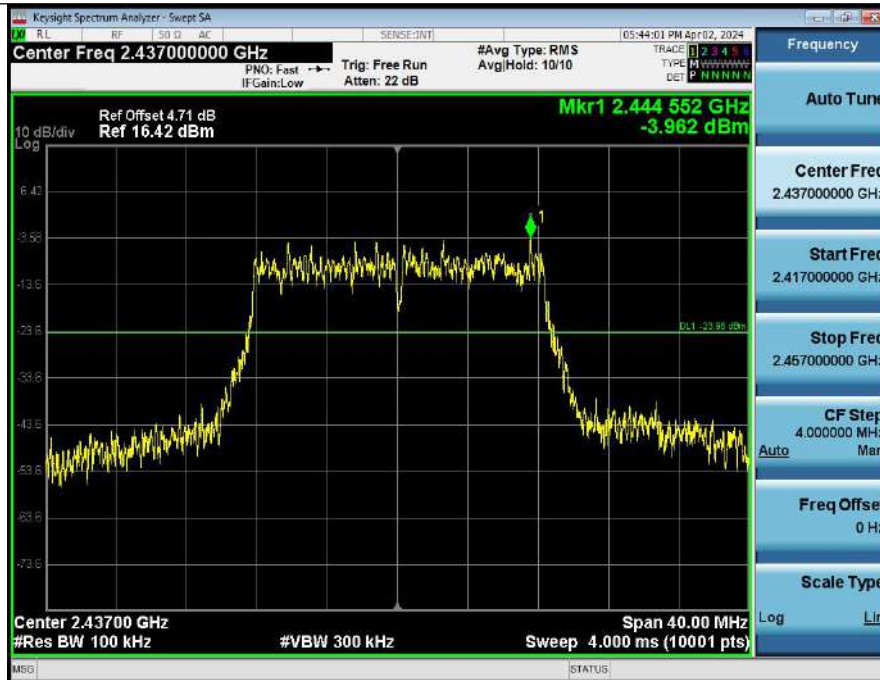
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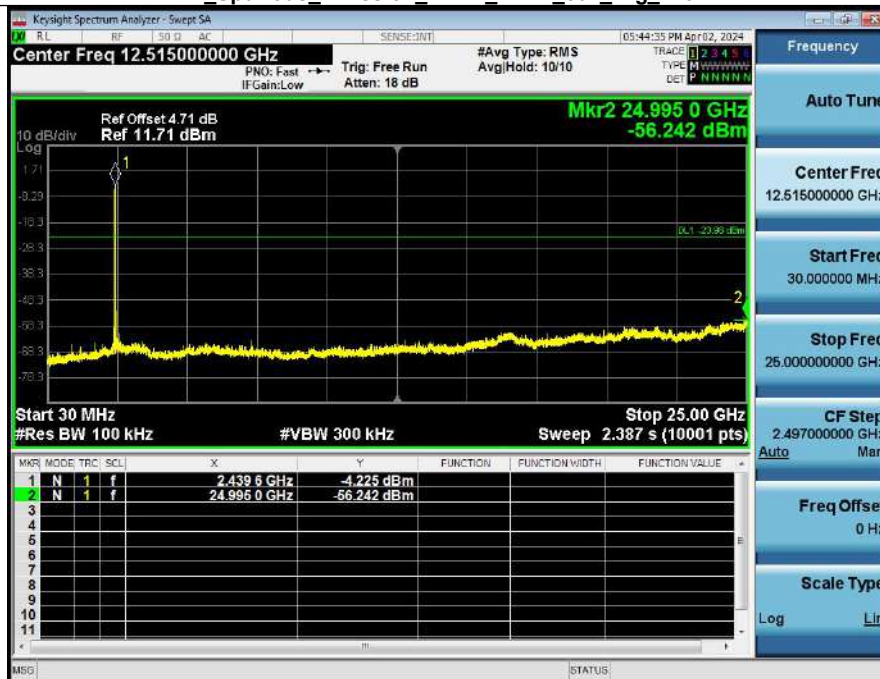
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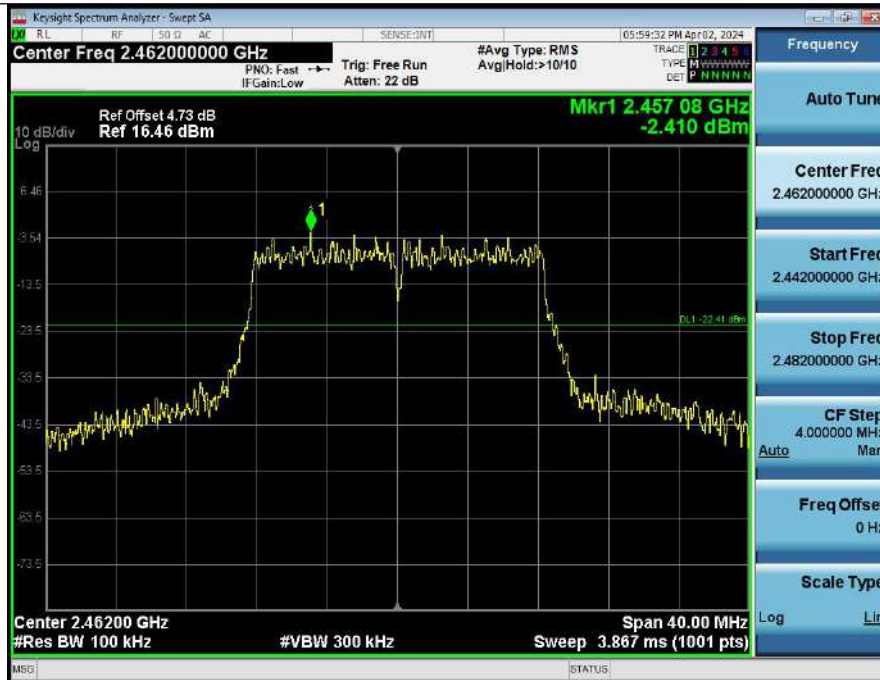
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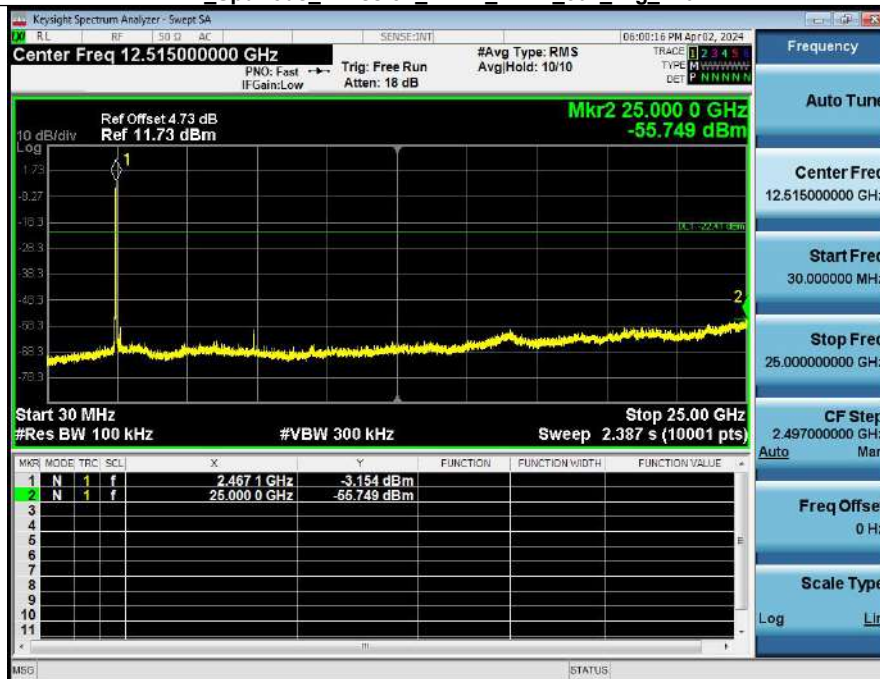
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1_Reference_Level_NVNT_ANT1_802_11g_2462



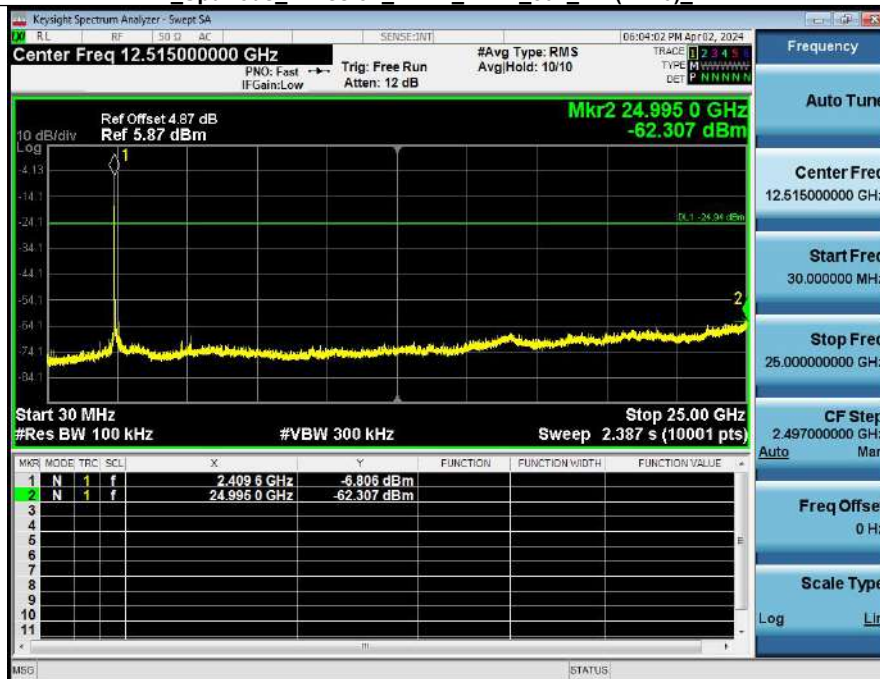
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1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



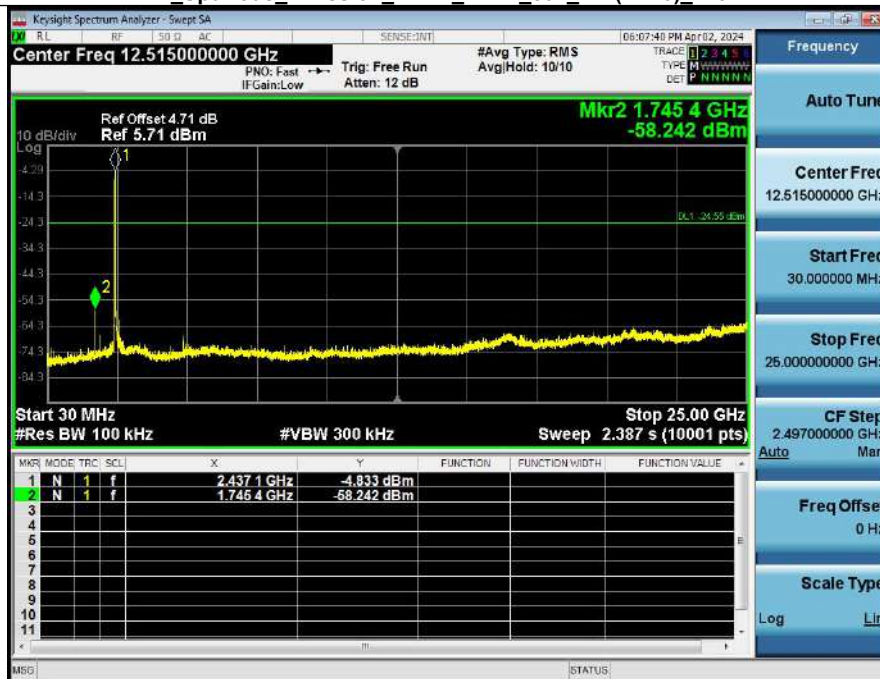
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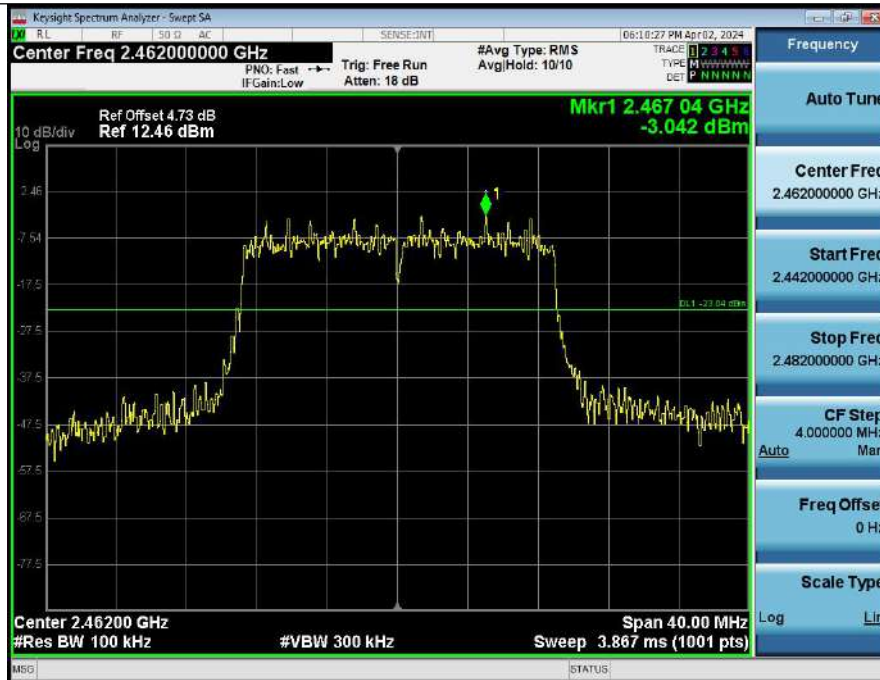
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2 Spurious Emission_NVNT_ANT1_802_11n(HT20)_2437



1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



2 Spurious Emission_NVNT_ANT1_802_11n(HT20)_2462

