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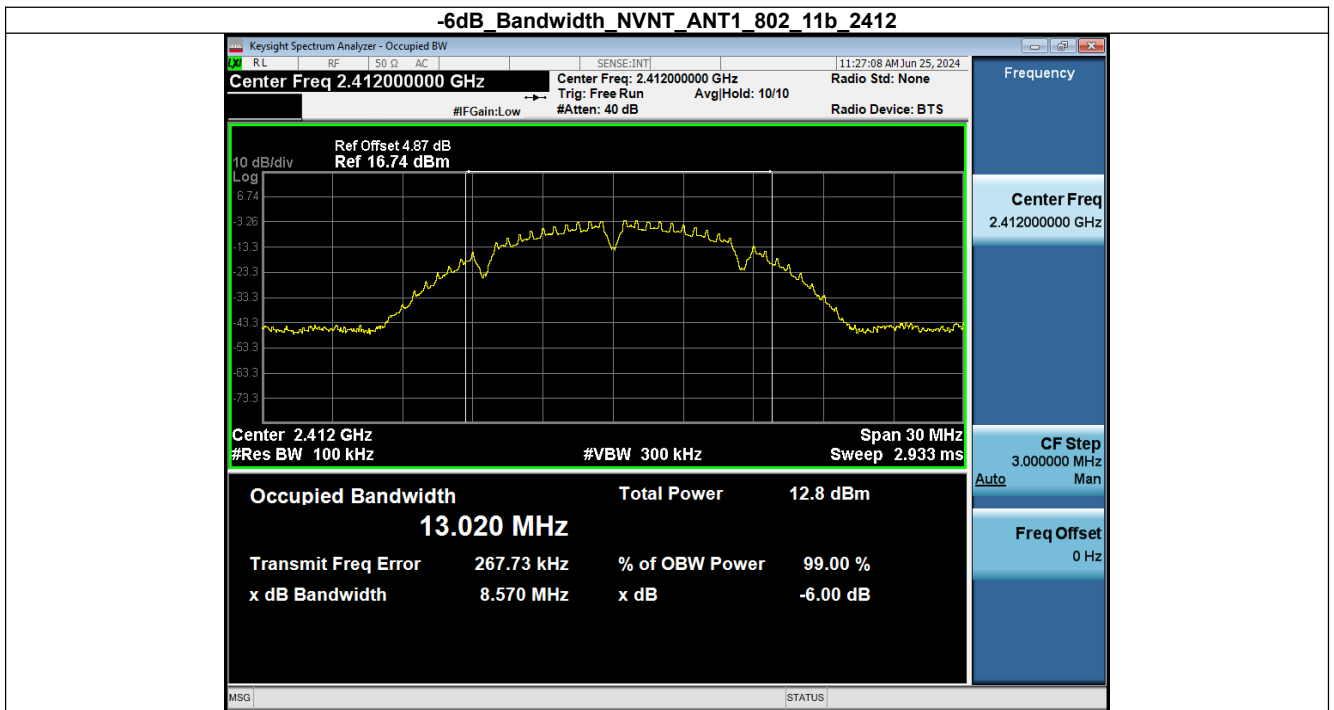
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FCC ID:2BB8T-K1000

FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

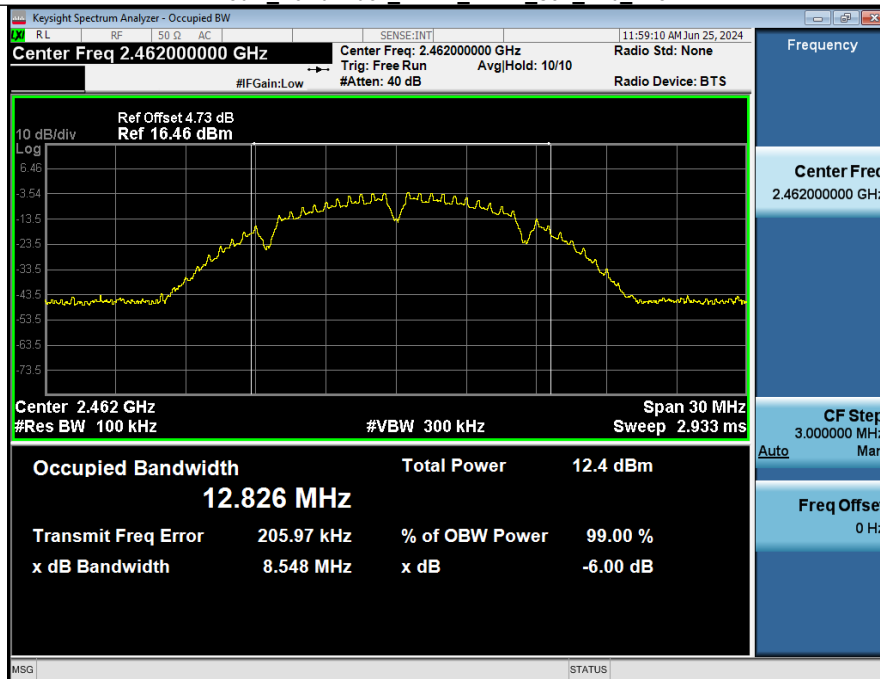
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	8.57	500	Pass
NVNT	ANT1	802.11b	2437.00	8.09	500	Pass
NVNT	ANT1	802.11b	2462.00	8.55	500	Pass
NVNT	ANT1	802.11g	2412.00	16.46	500	Pass
NVNT	ANT1	802.11g	2437.00	14.72	500	Pass
NVNT	ANT1	802.11g	2462.00	16.47	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.72	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.97	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.46	500	Pass



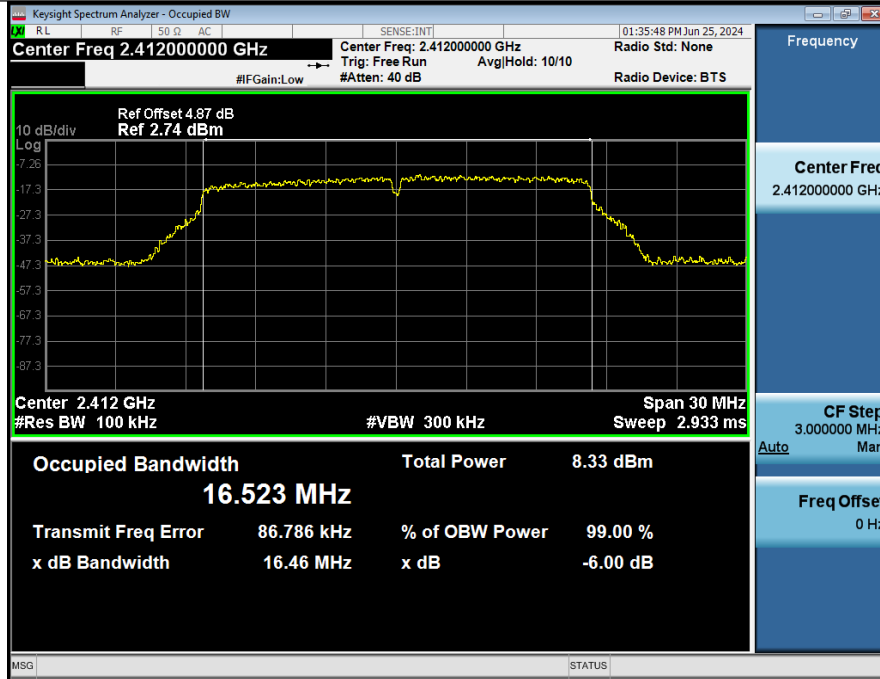
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



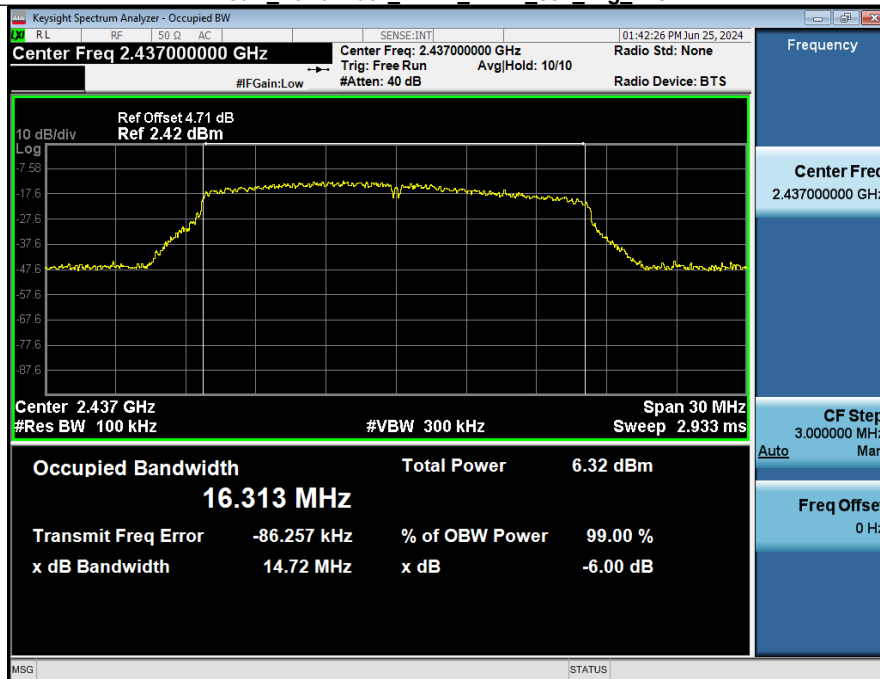
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



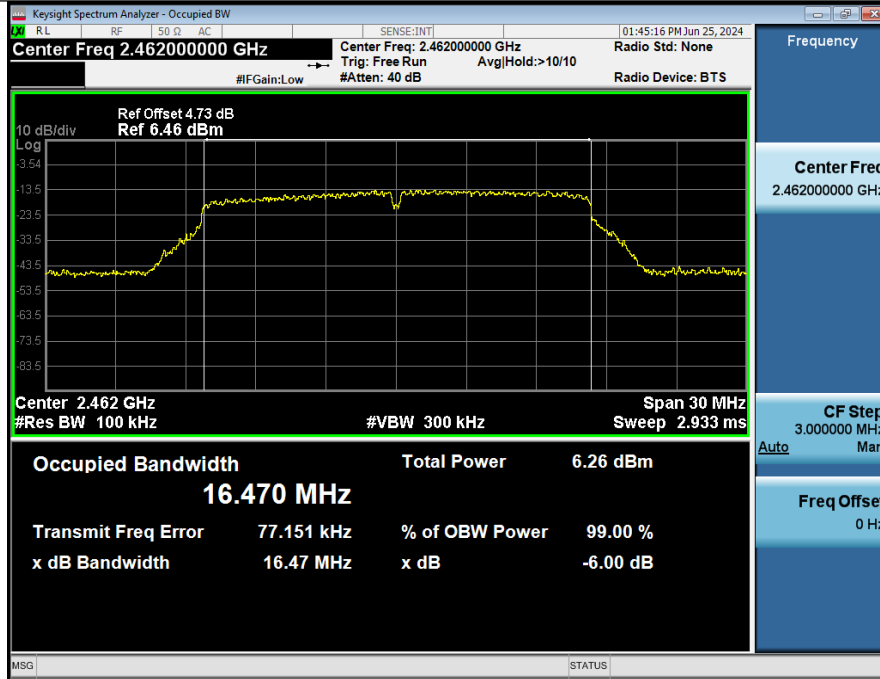
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



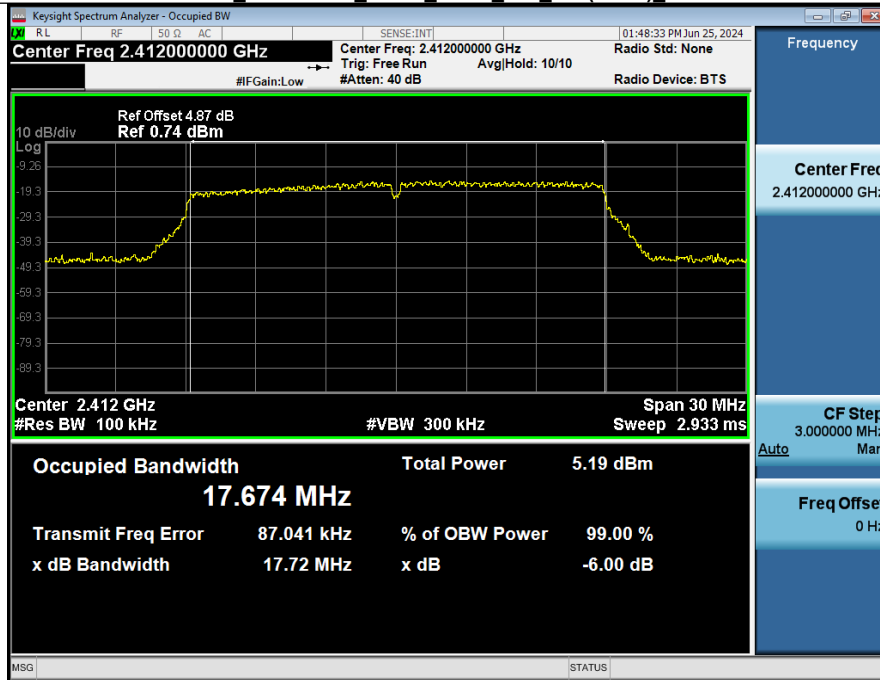
-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



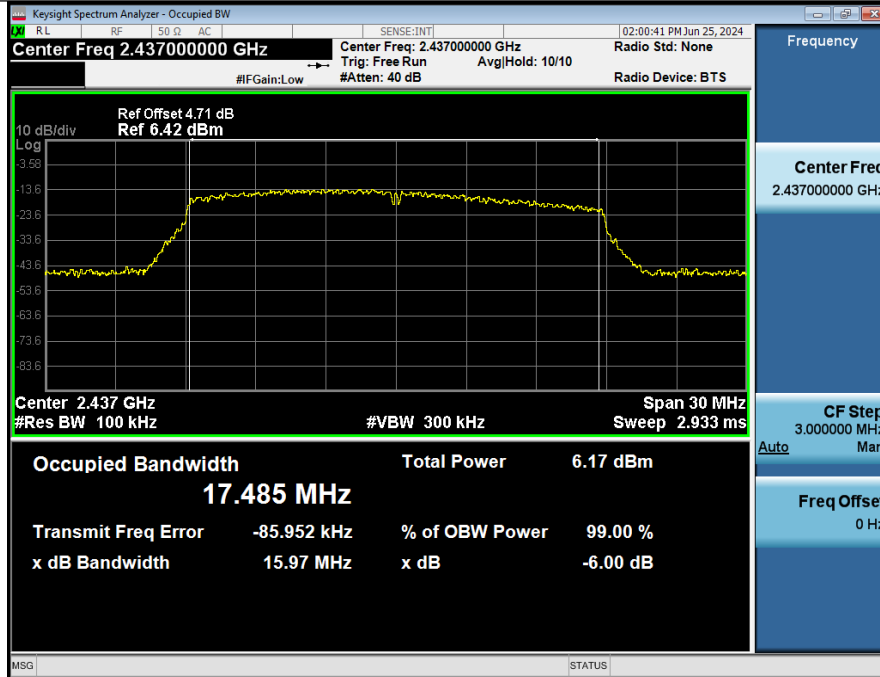
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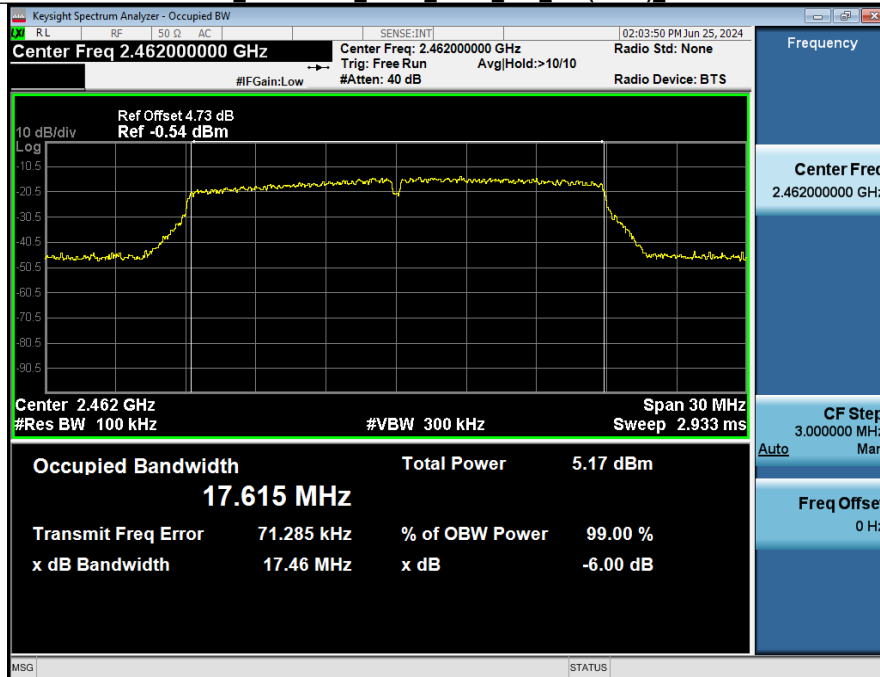
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437

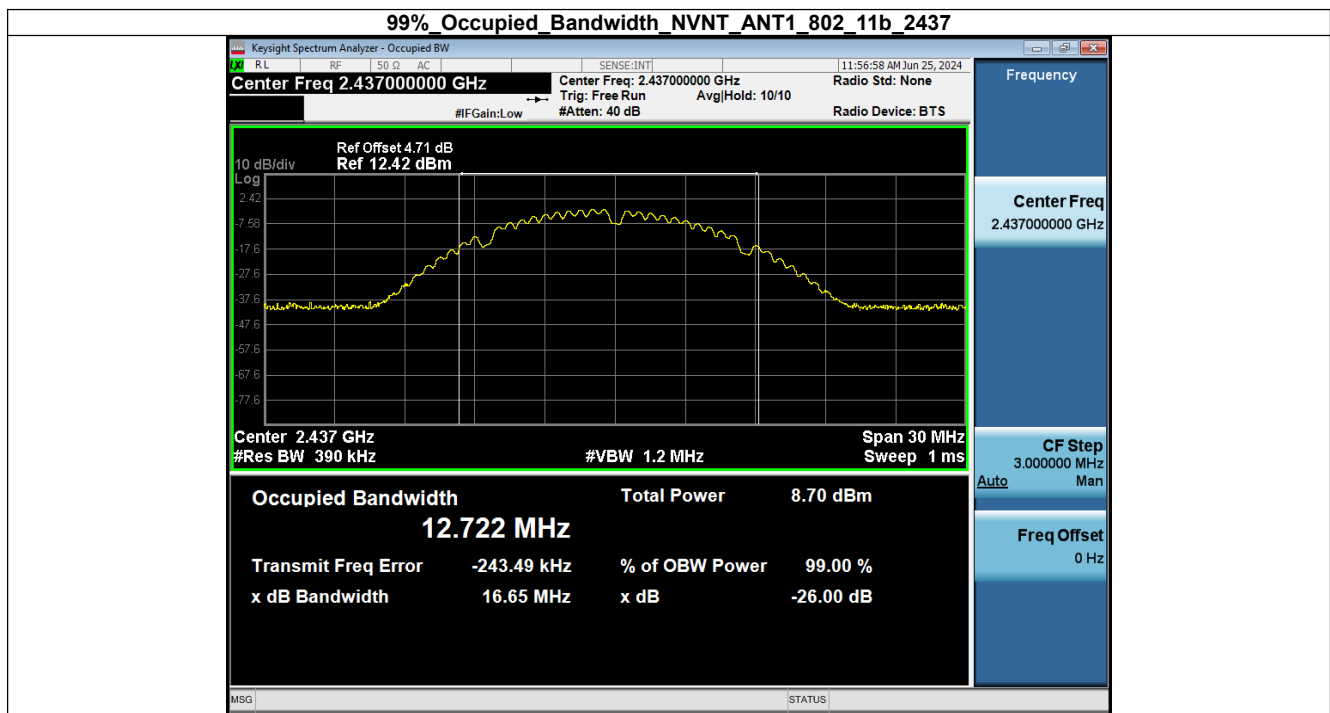
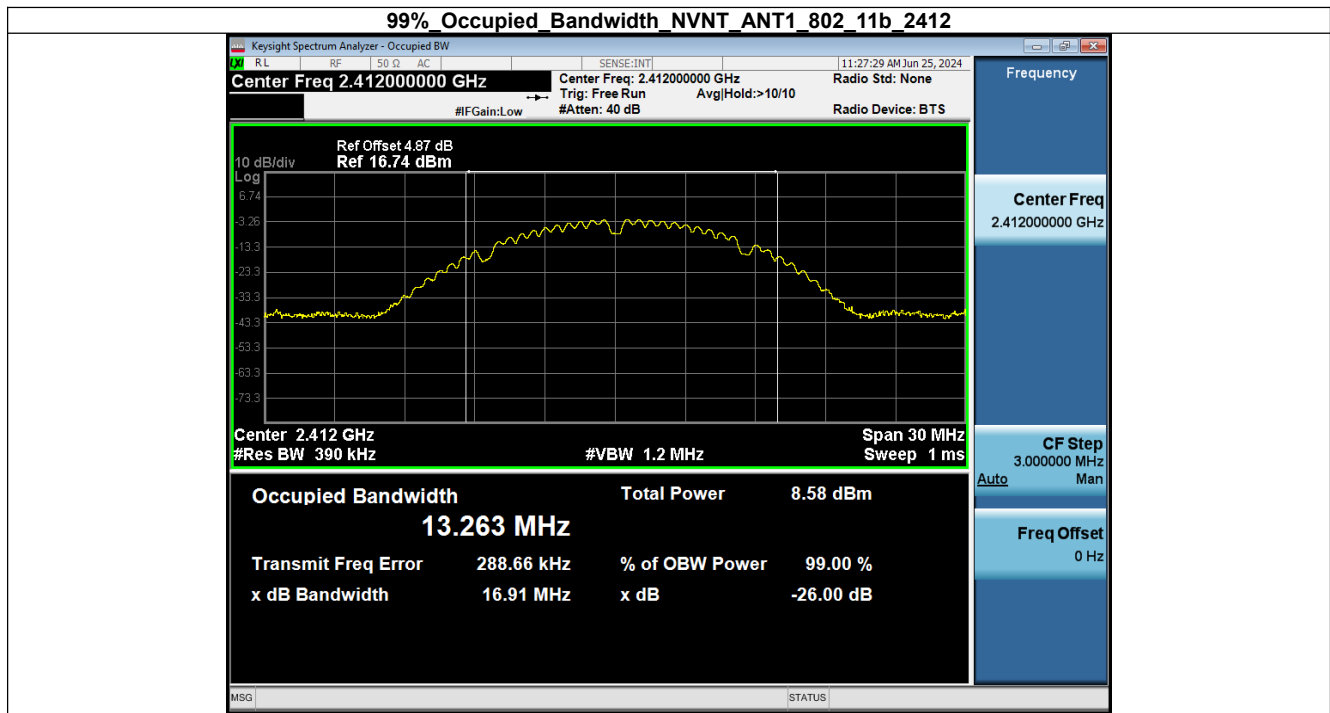


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

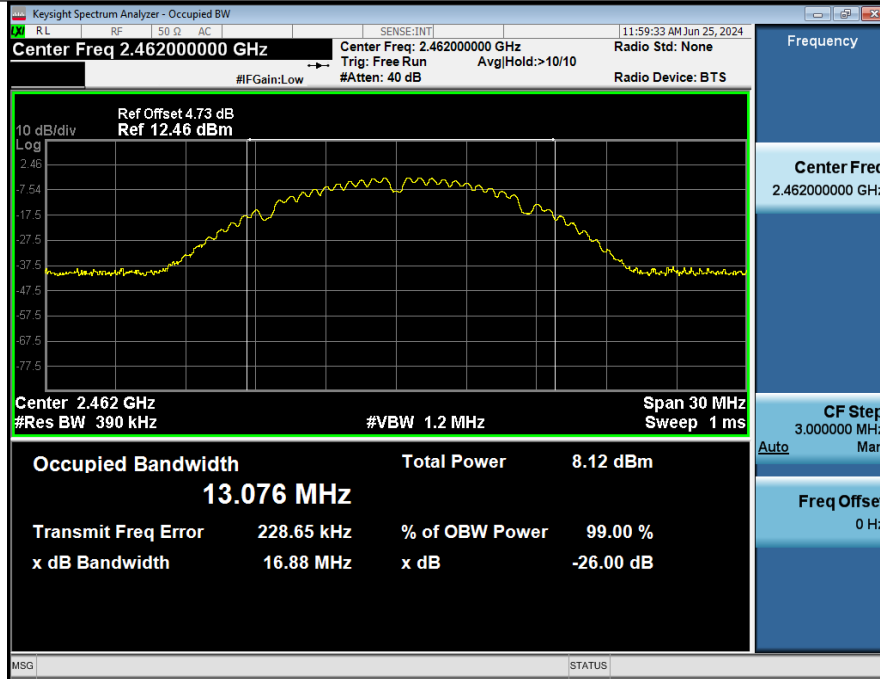


2. 99% Occupied Bandwidth

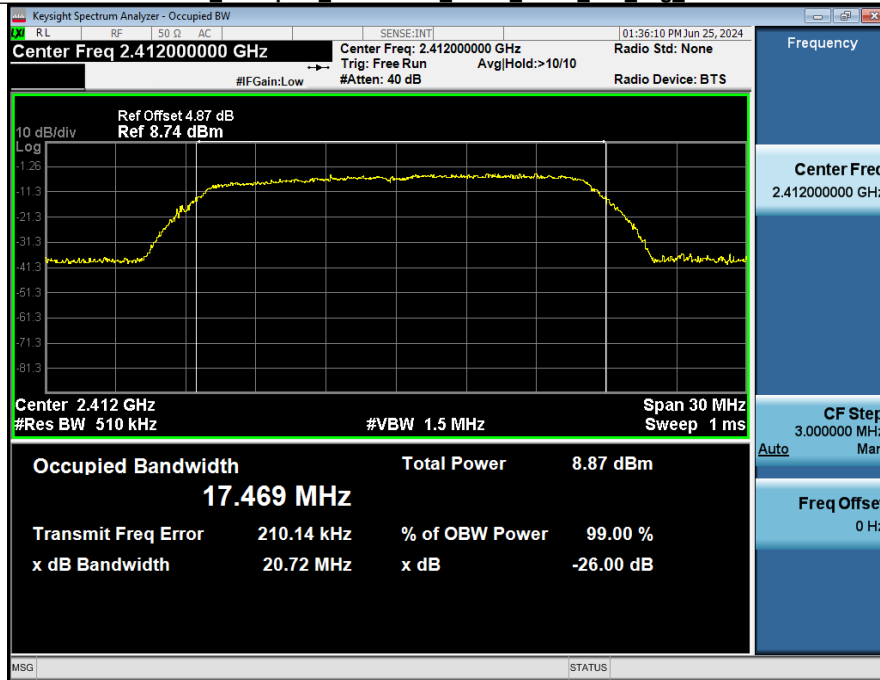
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.263
NVNT	ANT1	802.11b	2437.00	12.722
NVNT	ANT1	802.11b	2462.00	13.076
NVNT	ANT1	802.11g	2412.00	17.469
NVNT	ANT1	802.11g	2437.00	16.924
NVNT	ANT1	802.11g	2462.00	17.376
NVNT	ANT1	802.11n(HT20)	2412.00	18.265
NVNT	ANT1	802.11n(HT20)	2437.00	17.856
NVNT	ANT1	802.11n(HT20)	2462.00	18.165



99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



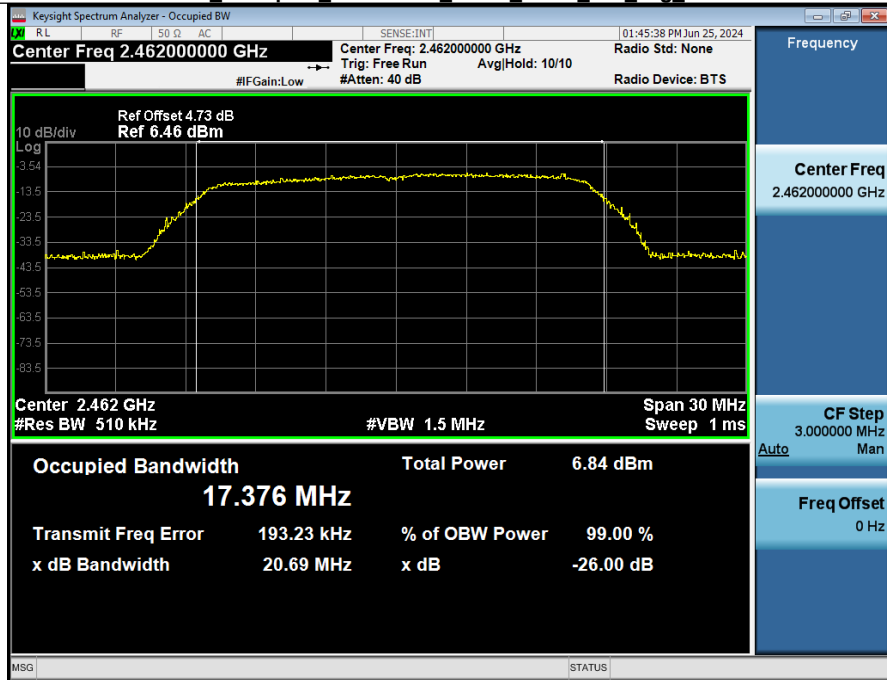
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



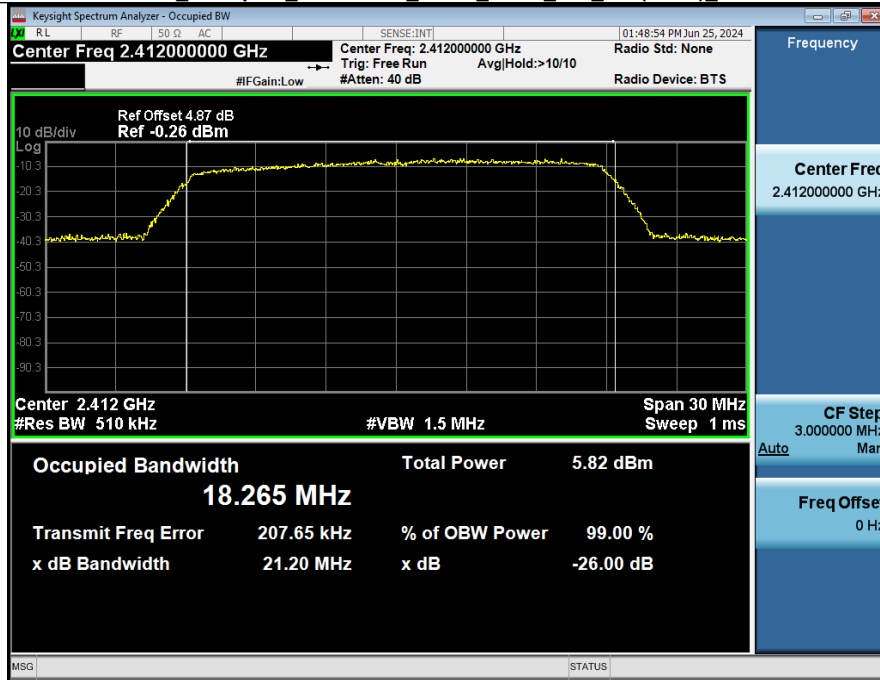
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437



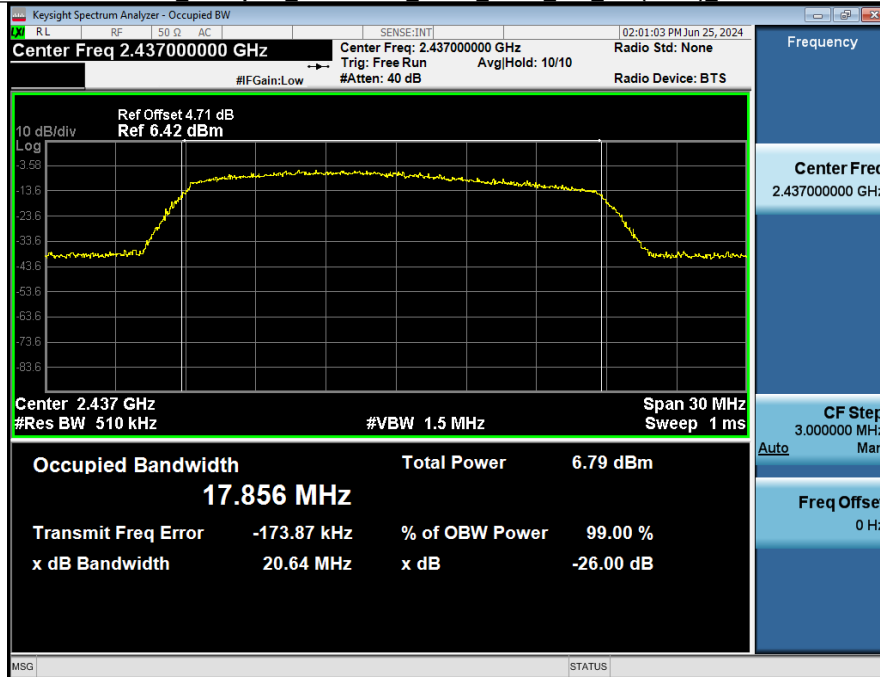
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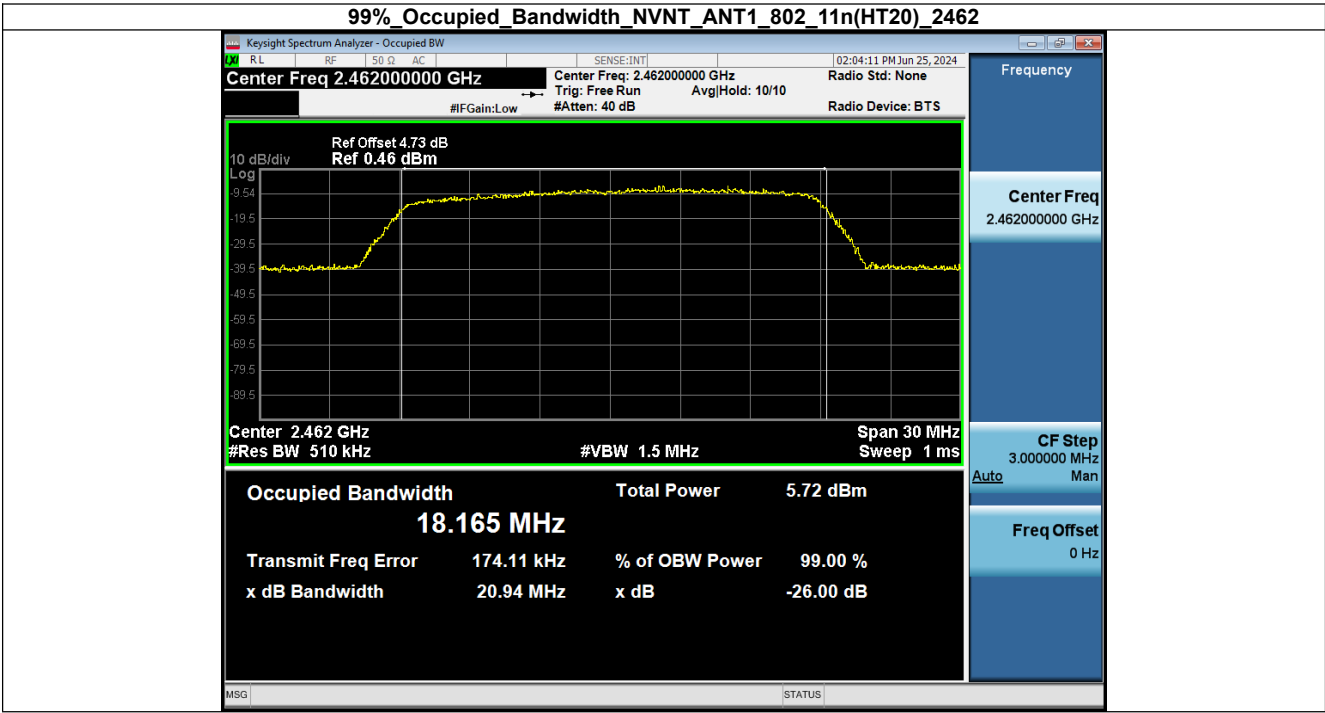


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



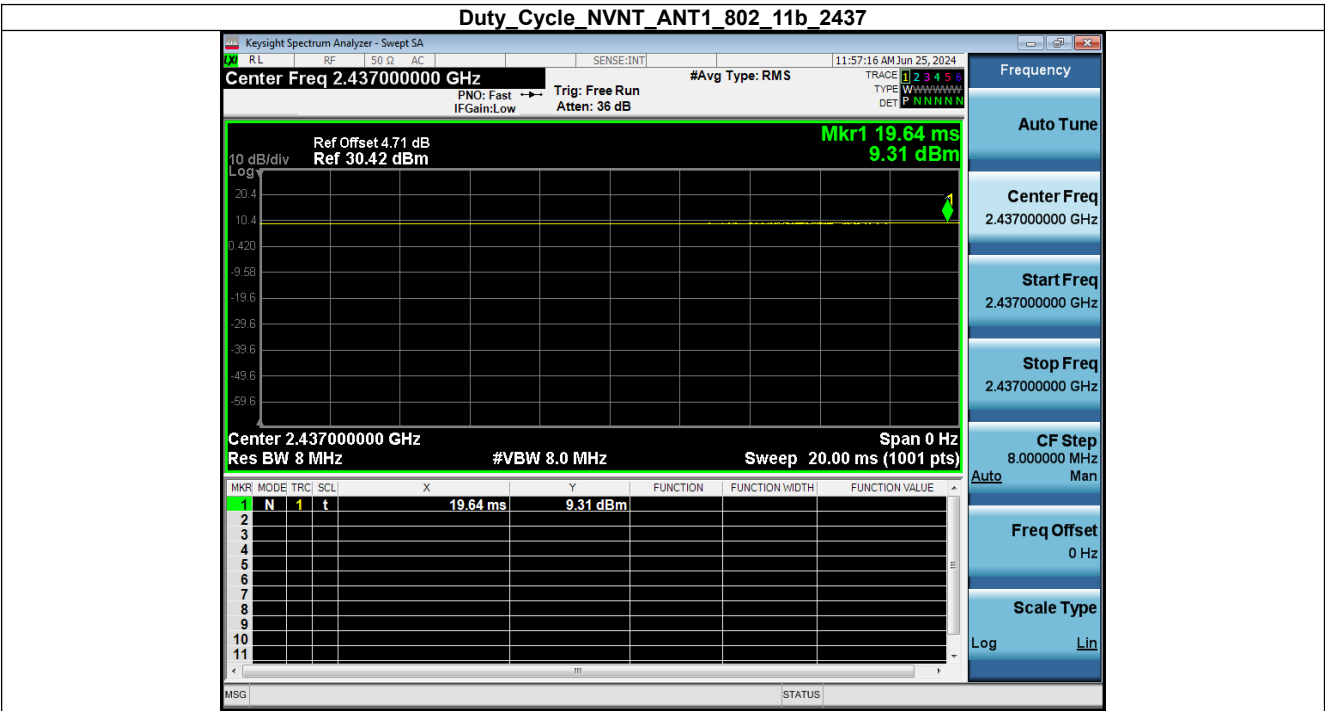
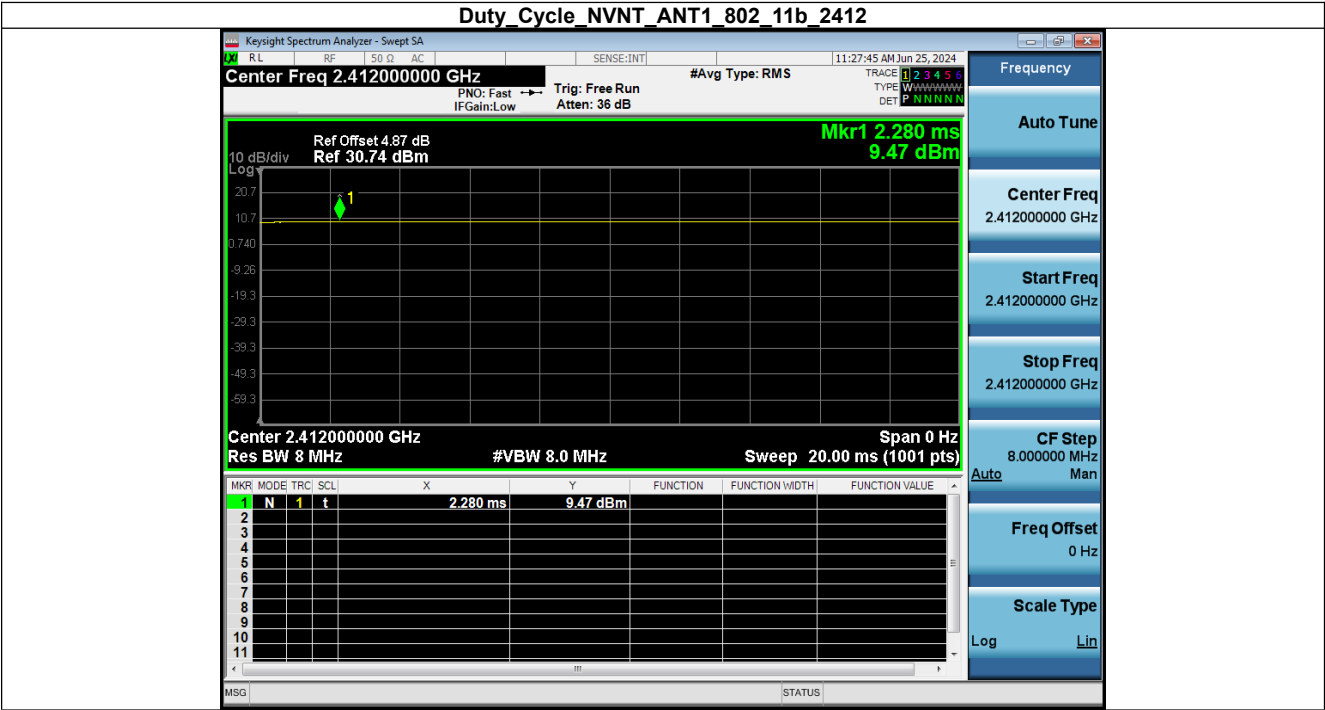
99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2437



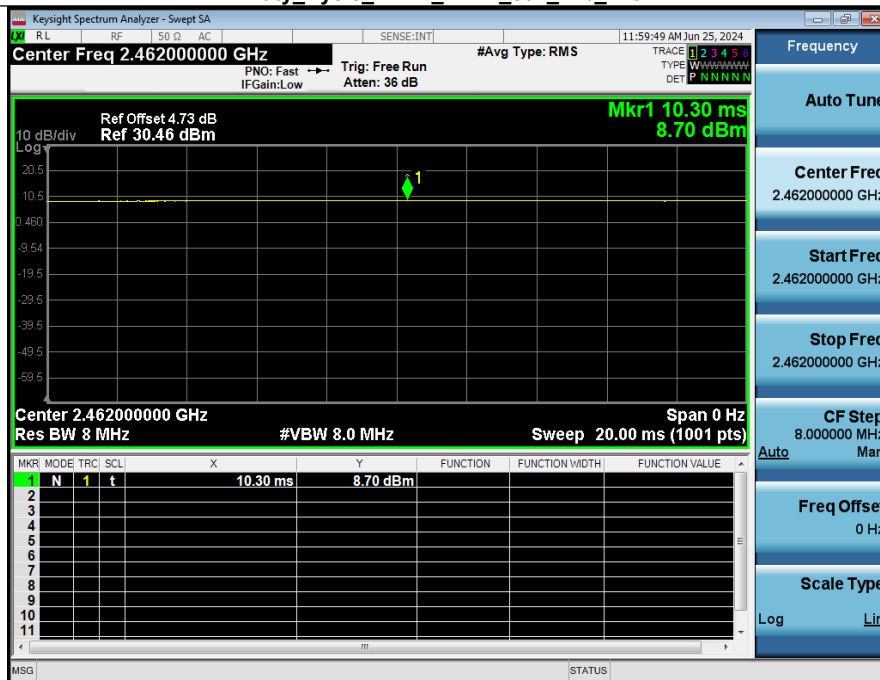


3. Duty Cycle

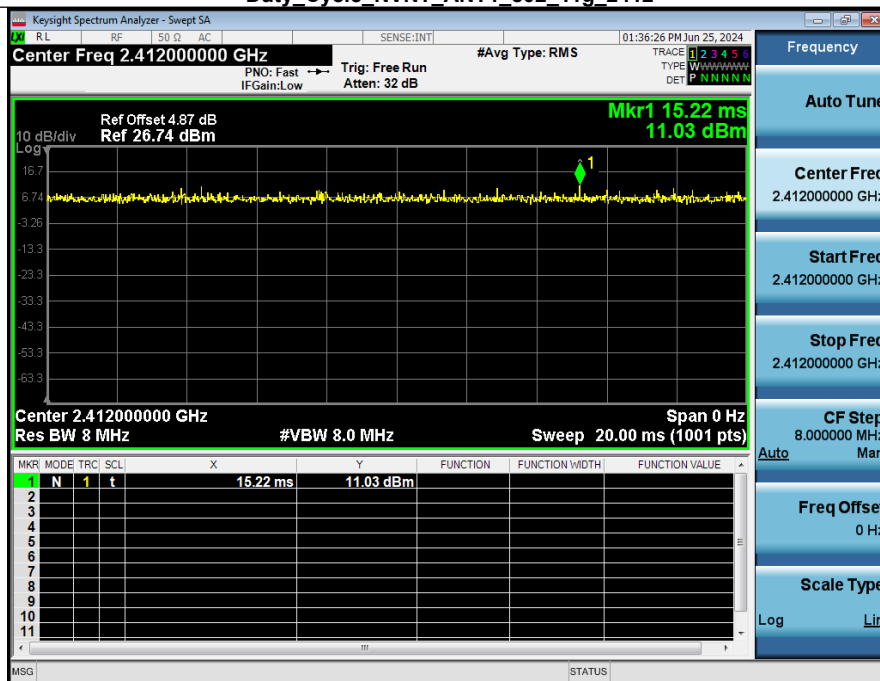
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	100	0.00
NVNT	ANT1	802.11g	2437.00	100	0.00
NVNT	ANT1	802.11g	2462.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	100	0.00



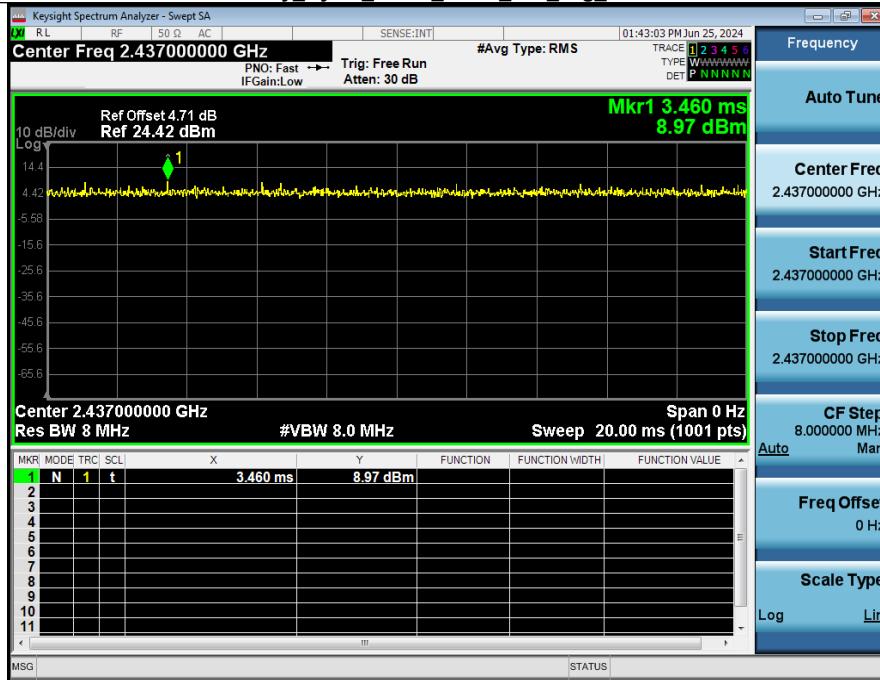
Duty Cycle NVNT_ANT1_802_11b_2462



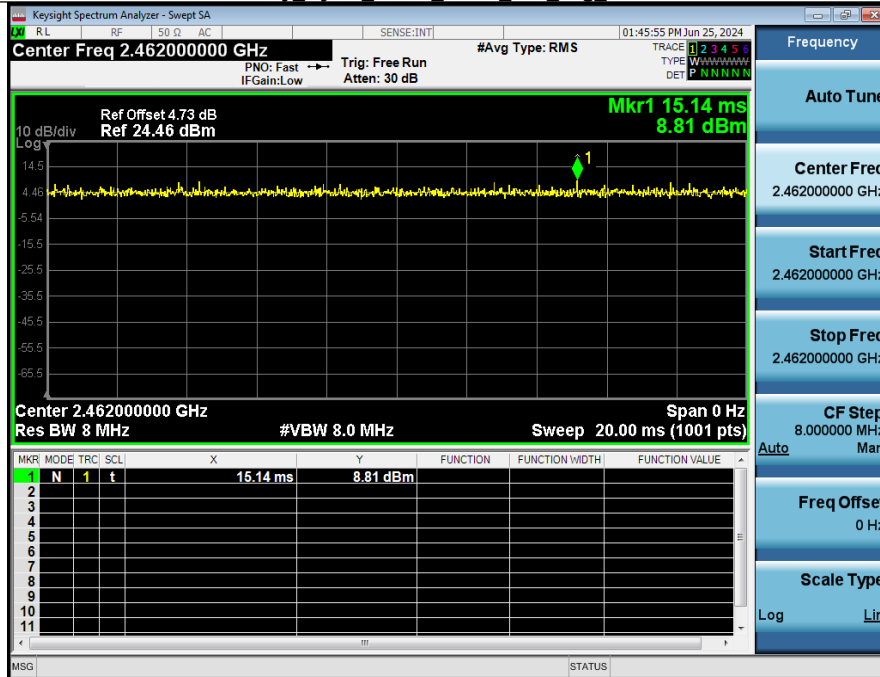
Duty Cycle NVNT_ANT1_802_11g_2412



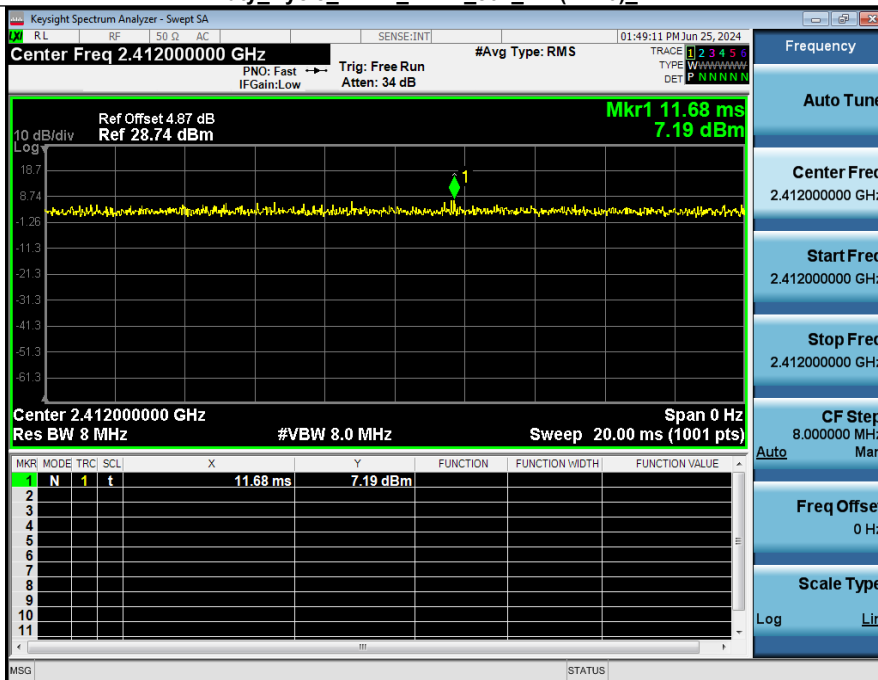
Duty Cycle NVNT ANT1_802_11g_2437



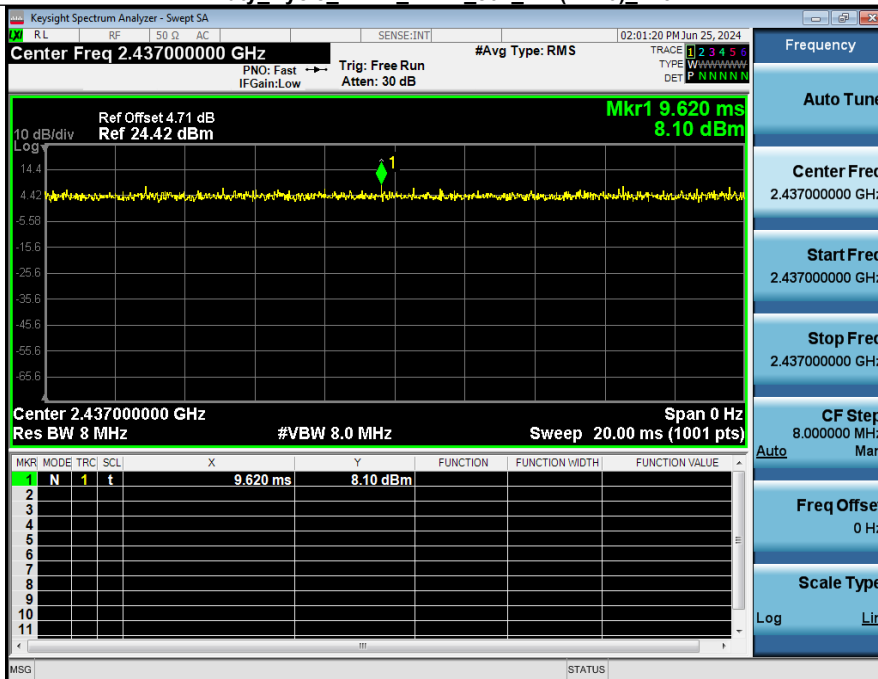
Duty Cycle NVNT ANT1_802_11g_2462



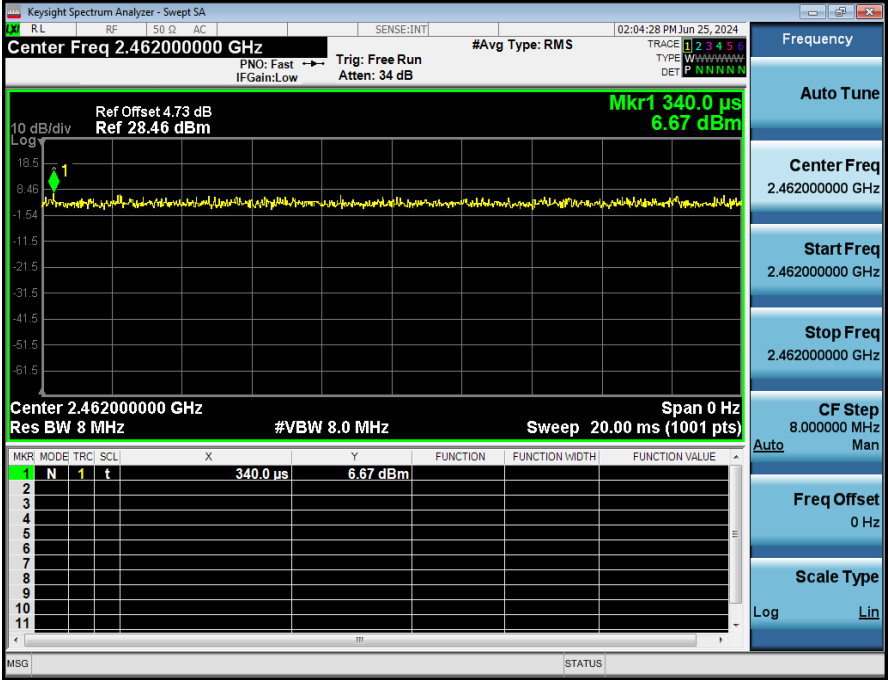
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



Duty Cycle NVNT_ANT1_802_11n(HT20)_2437

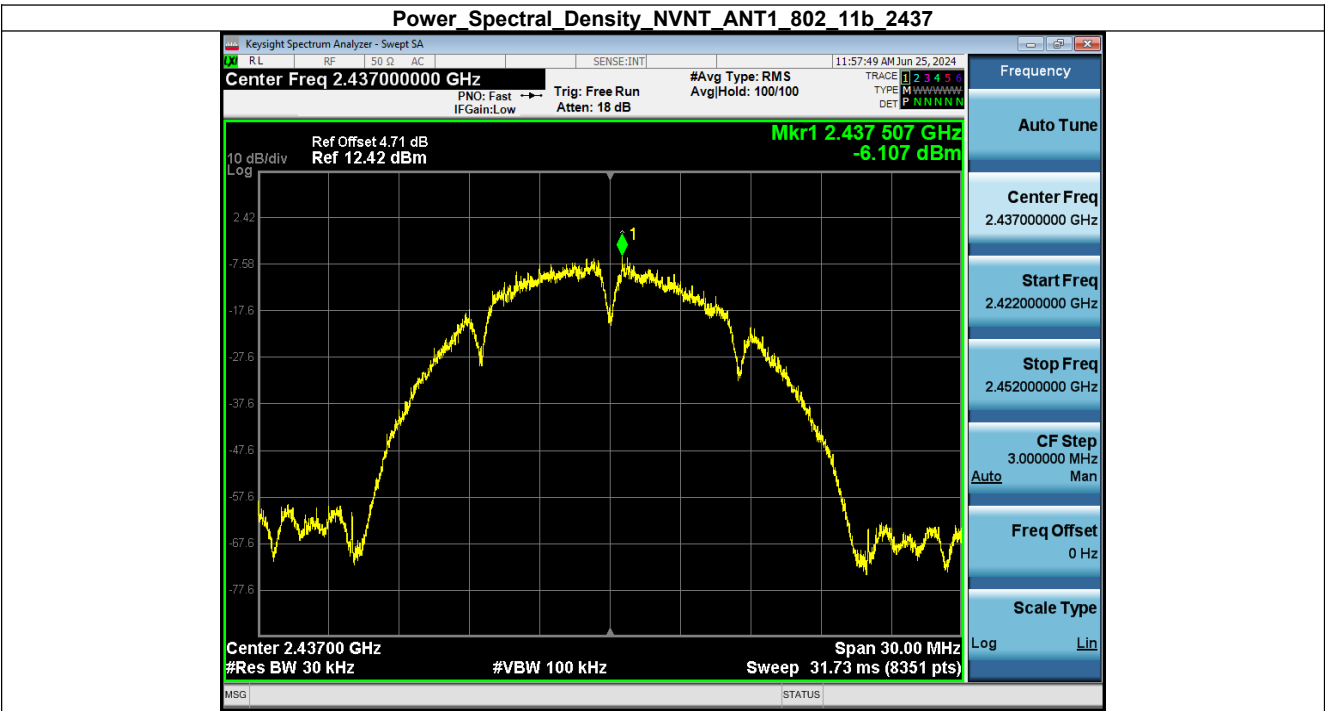


Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



5. Power Spectral Density

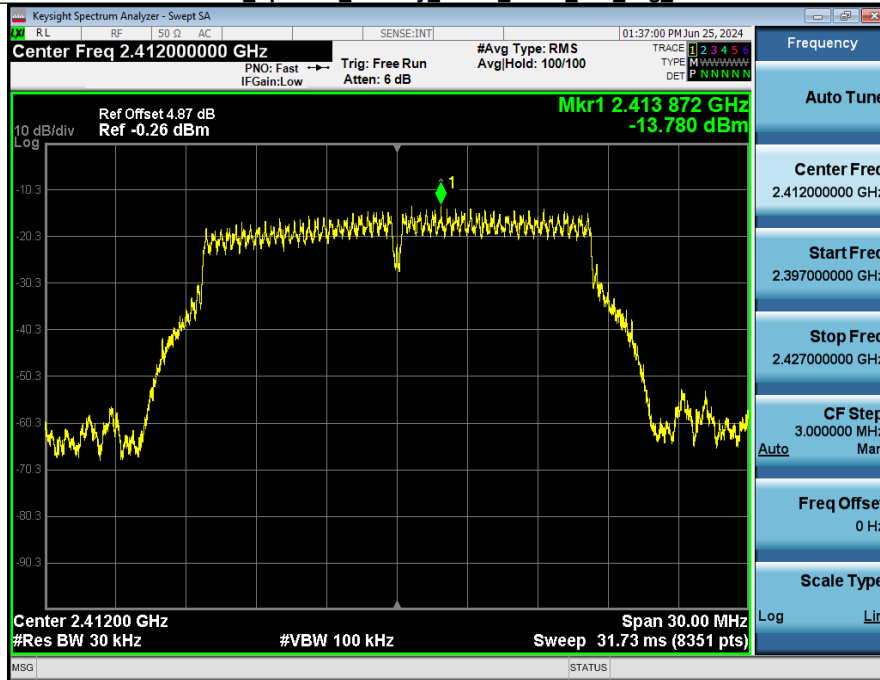
Condition	Antenn a	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-6.47	-10.00	-16.47	8	Pass
NVNT	ANT1	802.11b	2437.00	-6.11	-10.00	-16.11	8	Pass
NVNT	ANT1	802.11b	2462.00	-7.26	-10.00	-17.26	8	Pass
NVNT	ANT1	802.11g	2412.00	-13.78	-10.00	-23.78	8	Pass
NVNT	ANT1	802.11g	2437.00	-15.17	-10.00	-25.17	8	Pass
NVNT	ANT1	802.11g	2462.00	-15.72	-10.00	-25.72	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-17.27	-10.00	-27.27	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-14.97	-10.00	-24.97	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-16.96	-10.00	-26.96	8	Pass



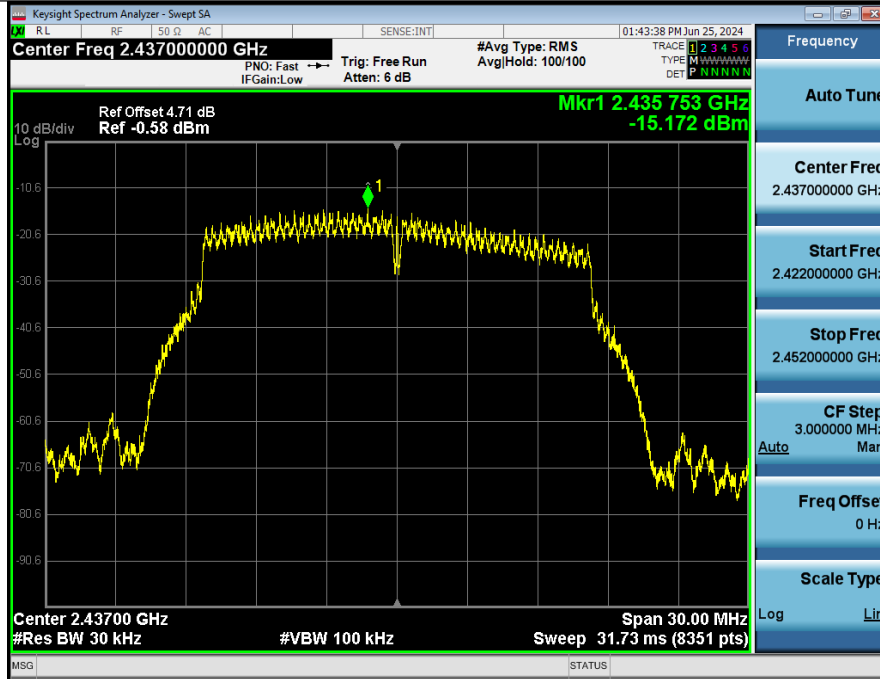
Power Spectral Density_NVNT_ANT1_802_11b_2462



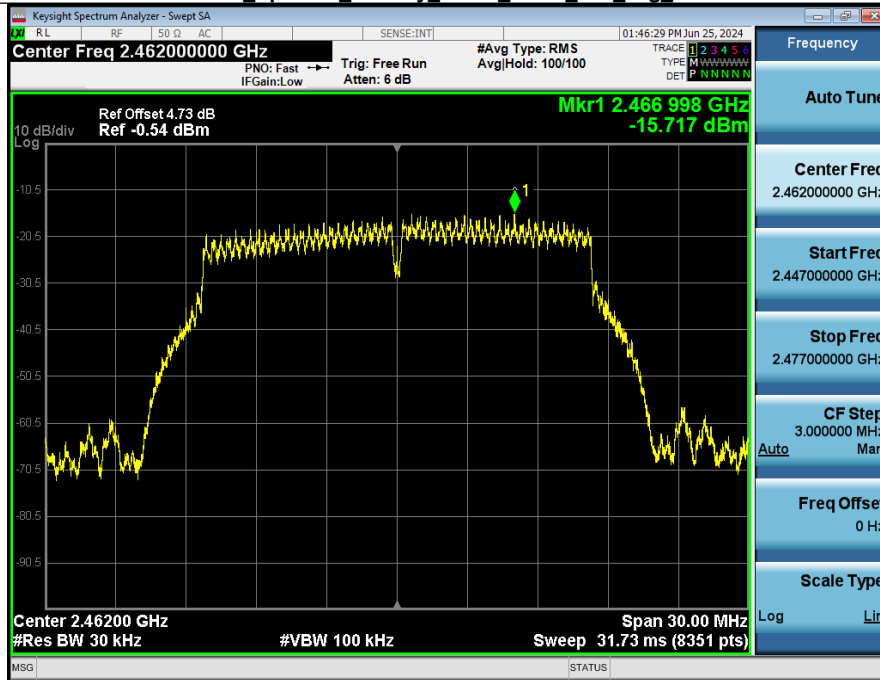
Power Spectral Density_NVNT_ANT1_802_11g_2412



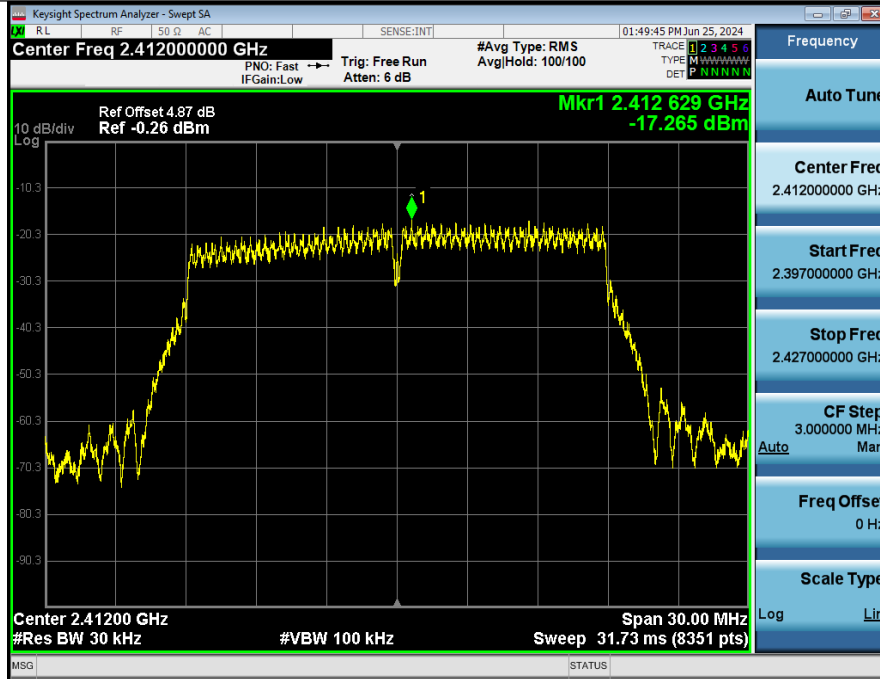
Power Spectral Density NVNT_ANT1_802_11g_2437



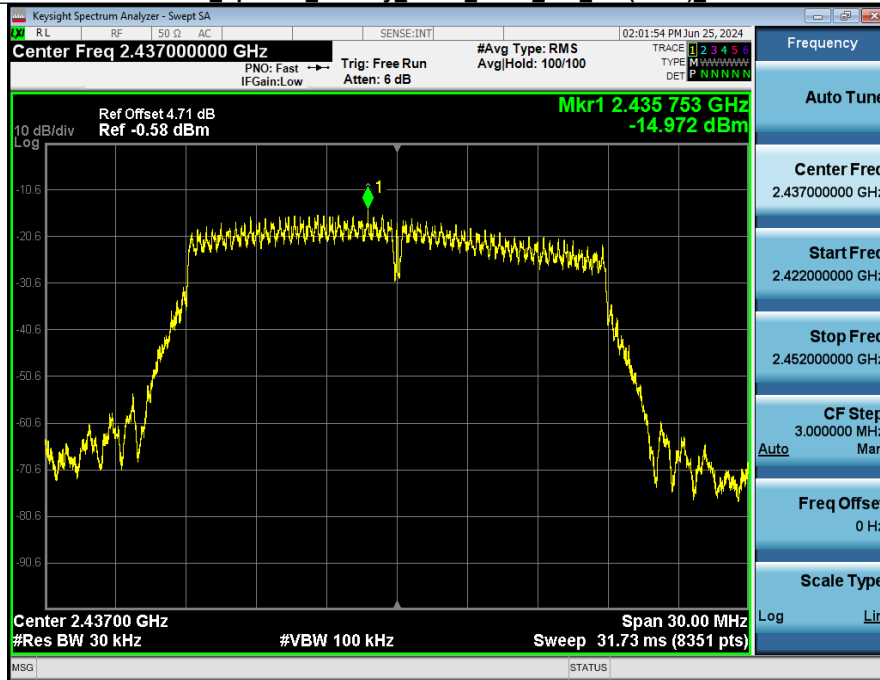
Power Spectral Density NVNT_ANT1_802_11g_2462



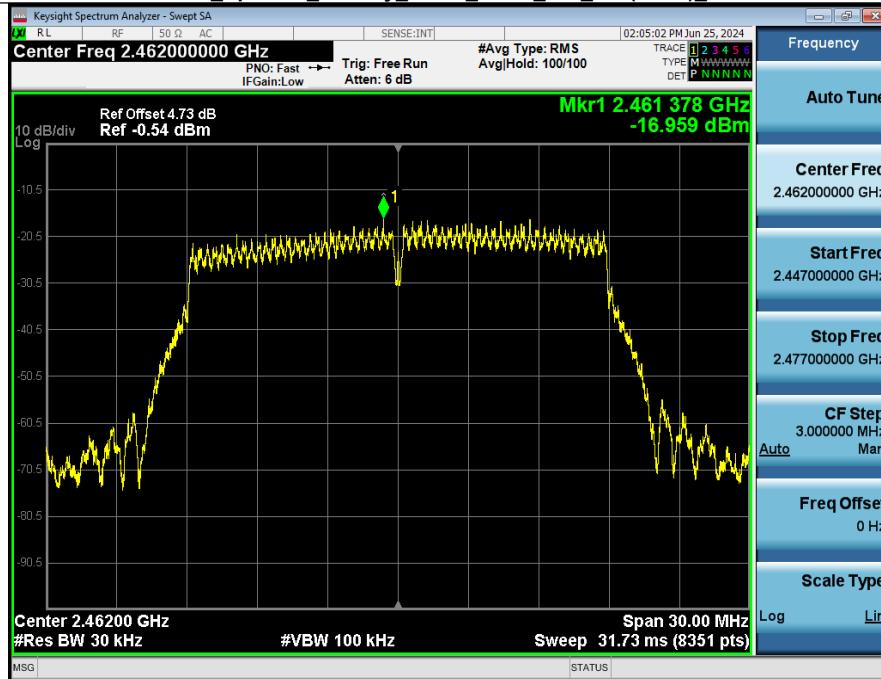
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2437



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2462

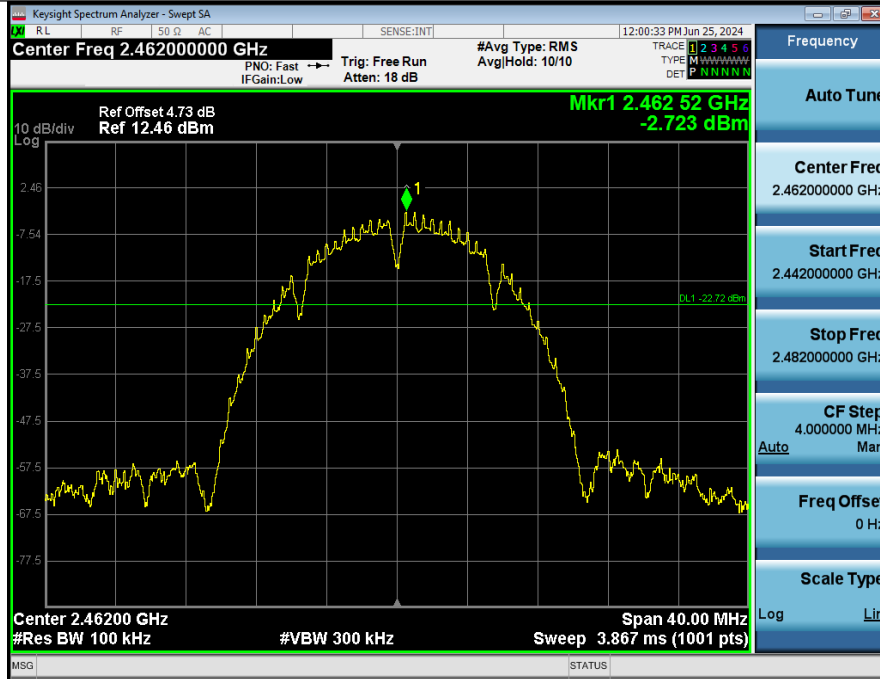


6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.040	-53.687	-22.541	Pass
NVNT	ANT1	802.11b	2462.00	2486.752	-67.779	-22.723	Pass
NVNT	ANT1	802.11g	2412.00	2399.936	-52.859	-31.869	Pass
NVNT	ANT1	802.11g	2462.00	2490.352	-67.342	-33.874	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.824	-57.649	-35.430	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.824	-70.019	-34.807	Pass



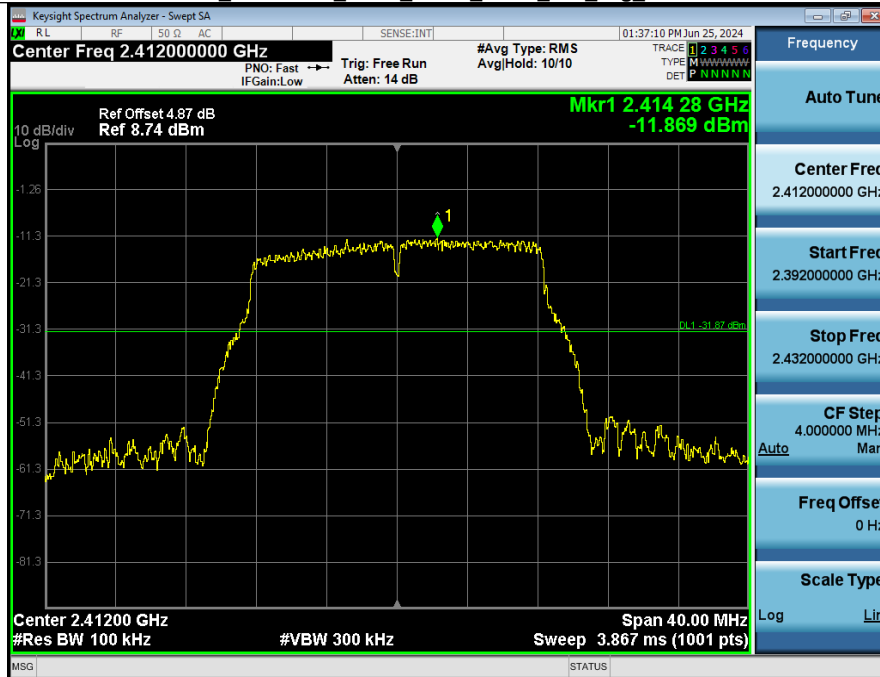
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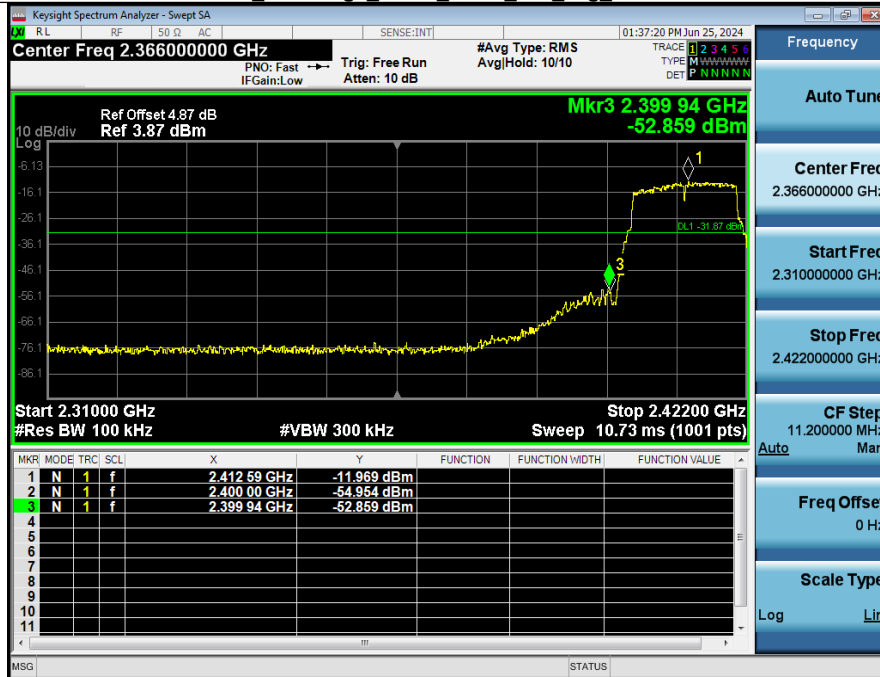
2 Bandedge_NVNT_ANT1_802_11b_2462



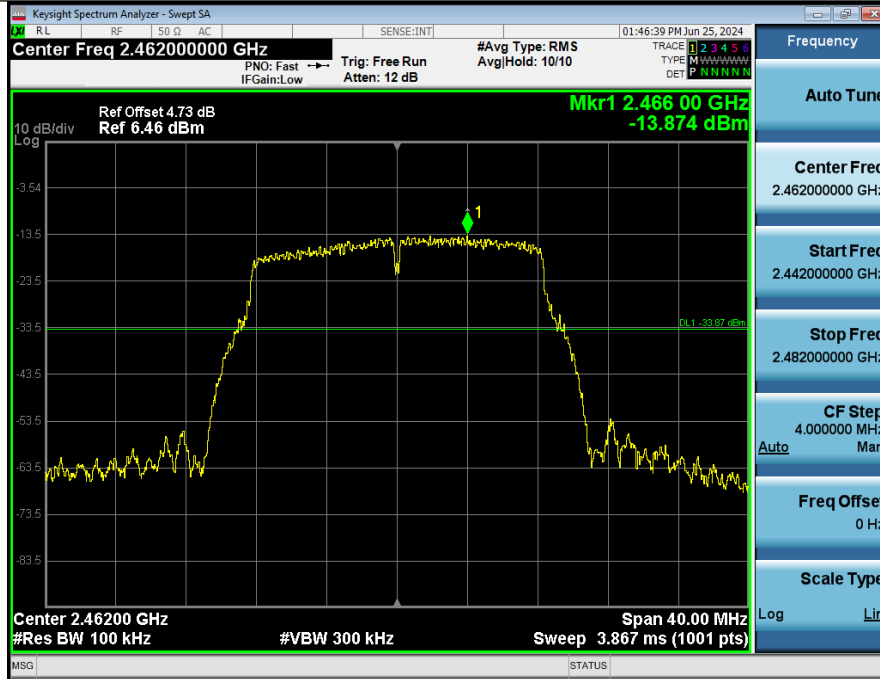
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2 Bandedge_NVNT_ANT1_802_11g_2412



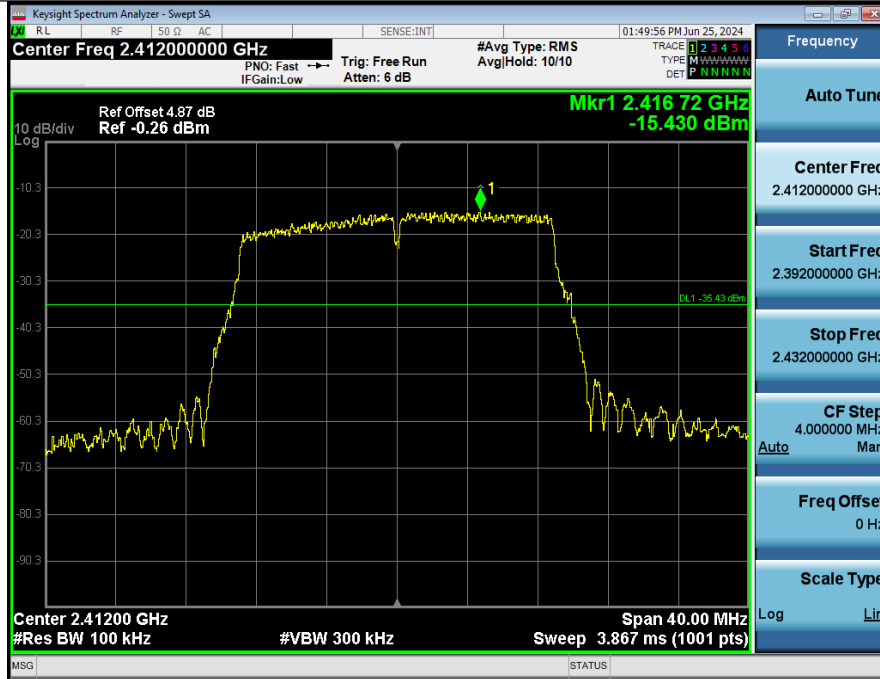
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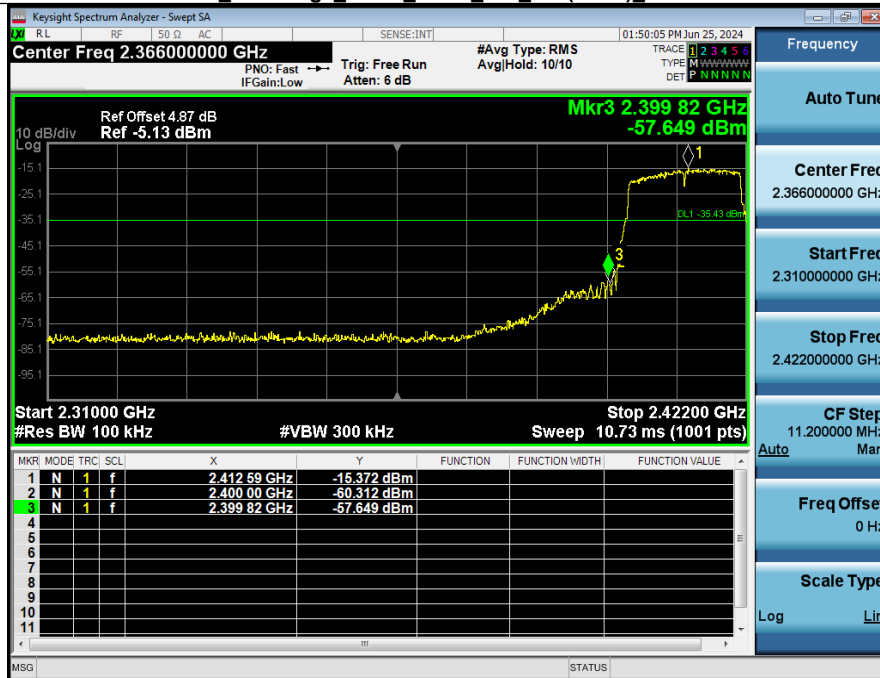
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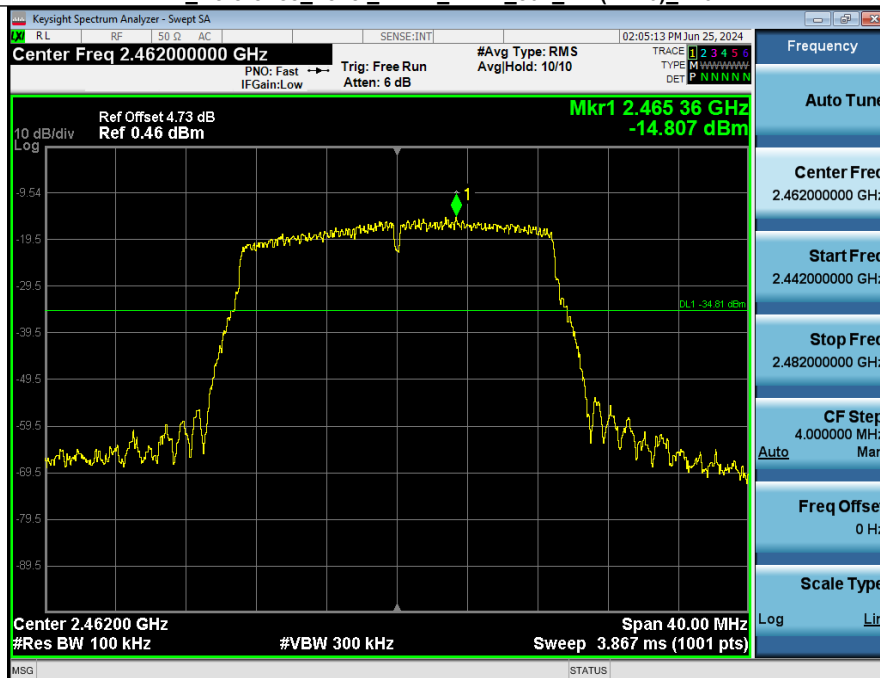
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2412



2 Bandedge_NVNT_ANT1_802_11n(HT20)_2412



1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



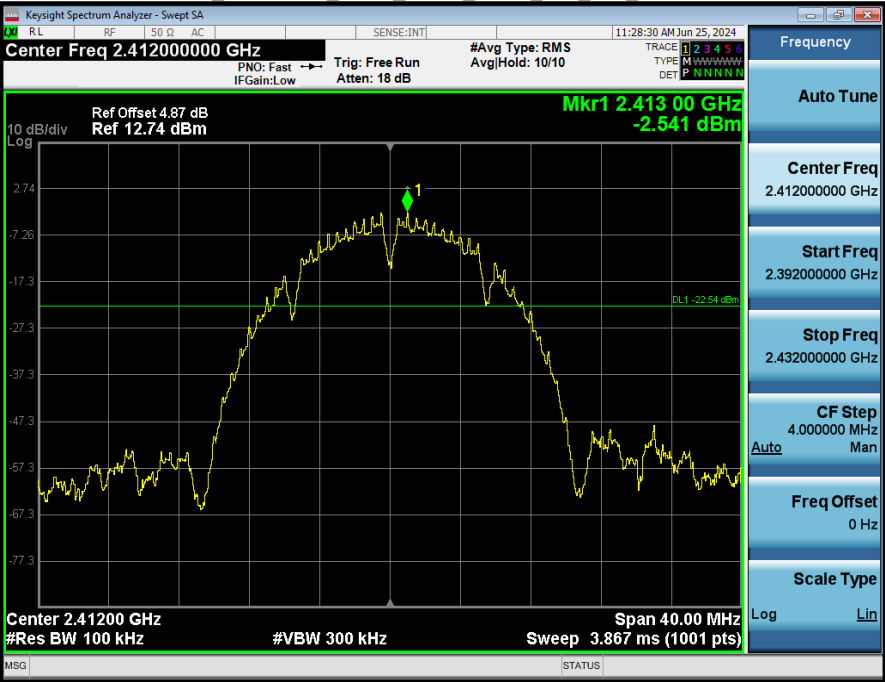
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



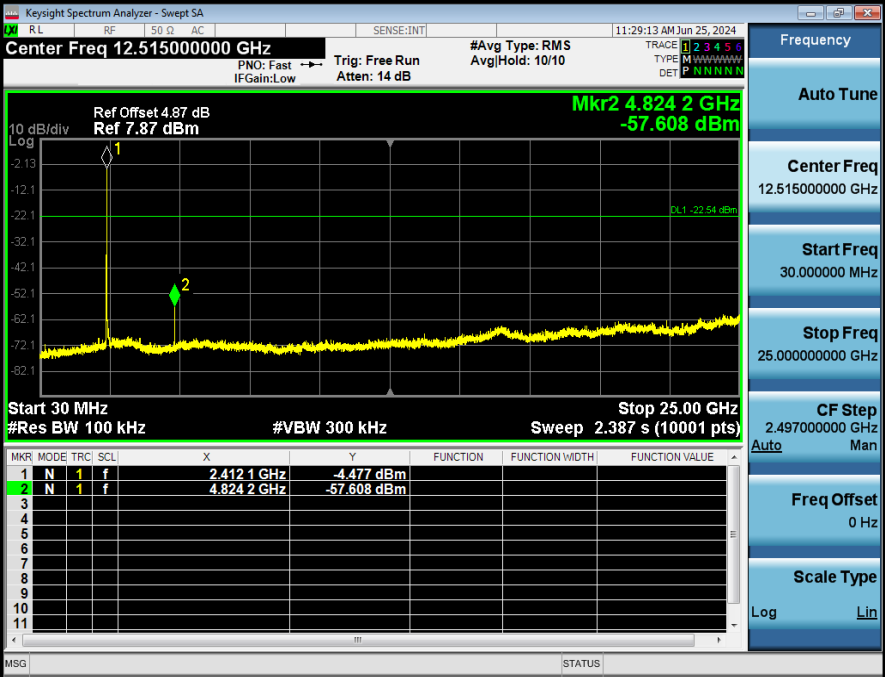
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	4824.240	-57.608	-22.541	Pass
NVNT	ANT1	802.11b	2437.00	24995.006	-59.884	-21.953	Pass
NVNT	ANT1	802.11b	2462.00	4924.120	-60.129	-22.723	Pass
NVNT	ANT1	802.11g	2412.00	24980.024	-63.679	-31.869	Pass
NVNT	ANT1	802.11g	2437.00	24907.611	-65.731	-33.186	Pass
NVNT	ANT1	802.11g	2462.00	24865.162	-65.640	-33.874	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24985.018	-67.442	-35.430	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24450.660	-65.824	-33.900	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24558.031	-67.454	-34.807	Pass

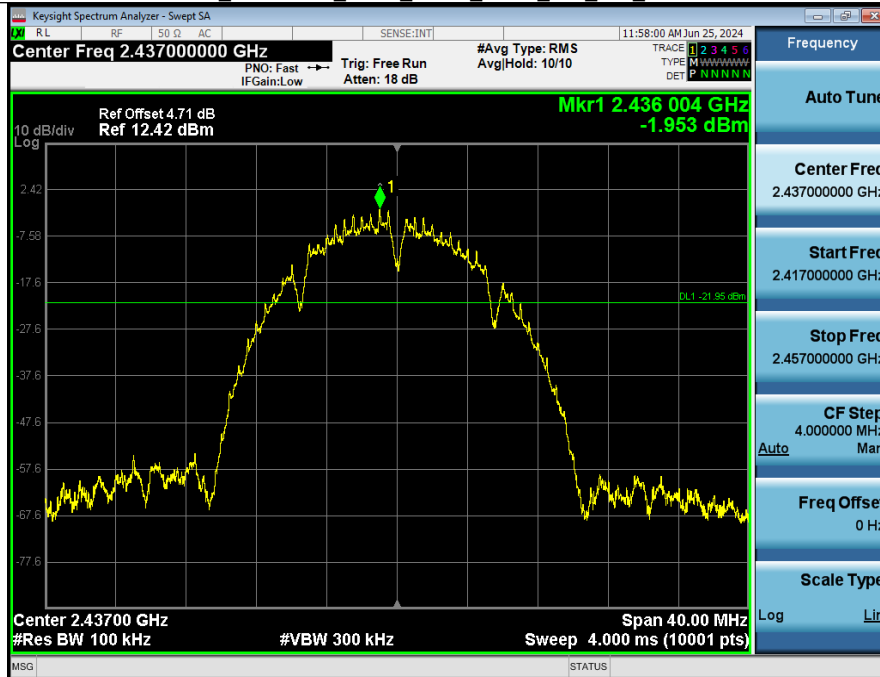
1_Reference_Level_NVNT_ANT1_802_11b_2412



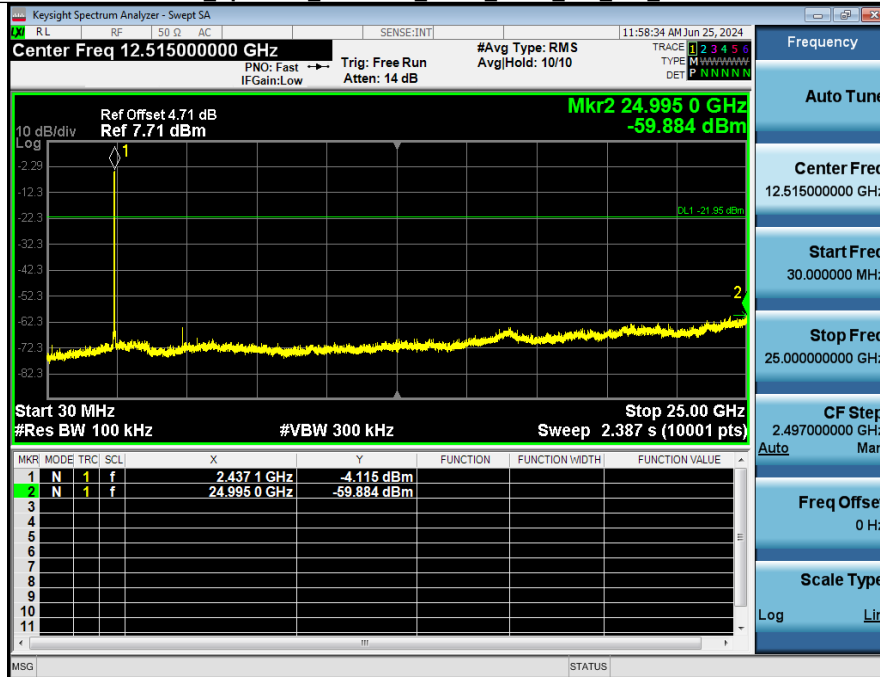
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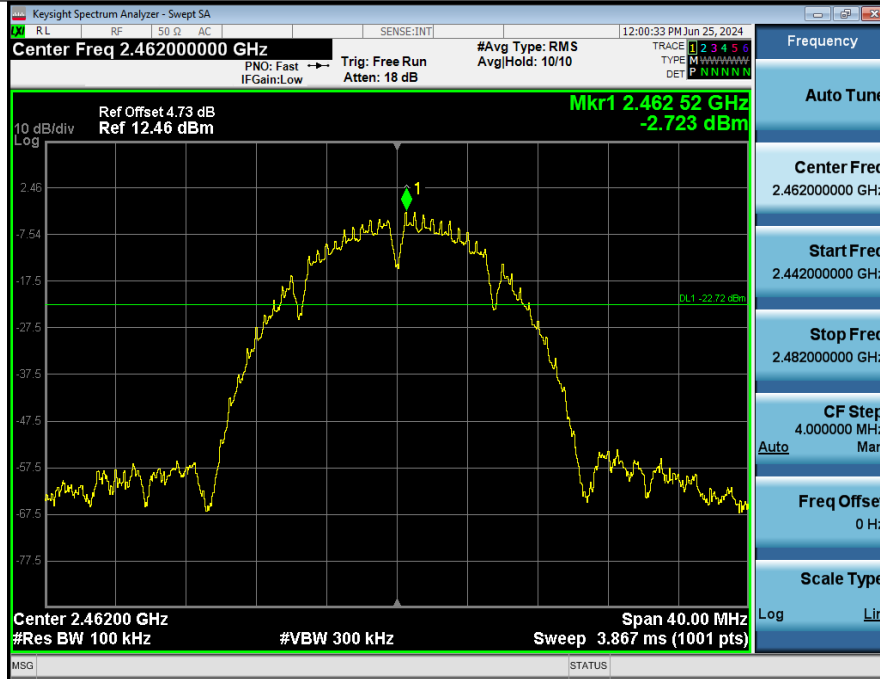
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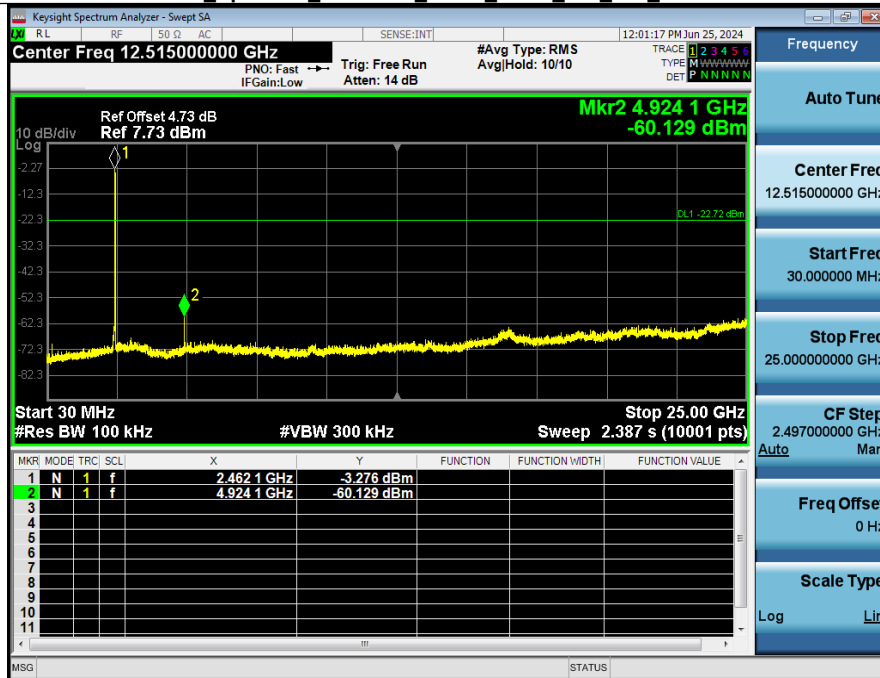
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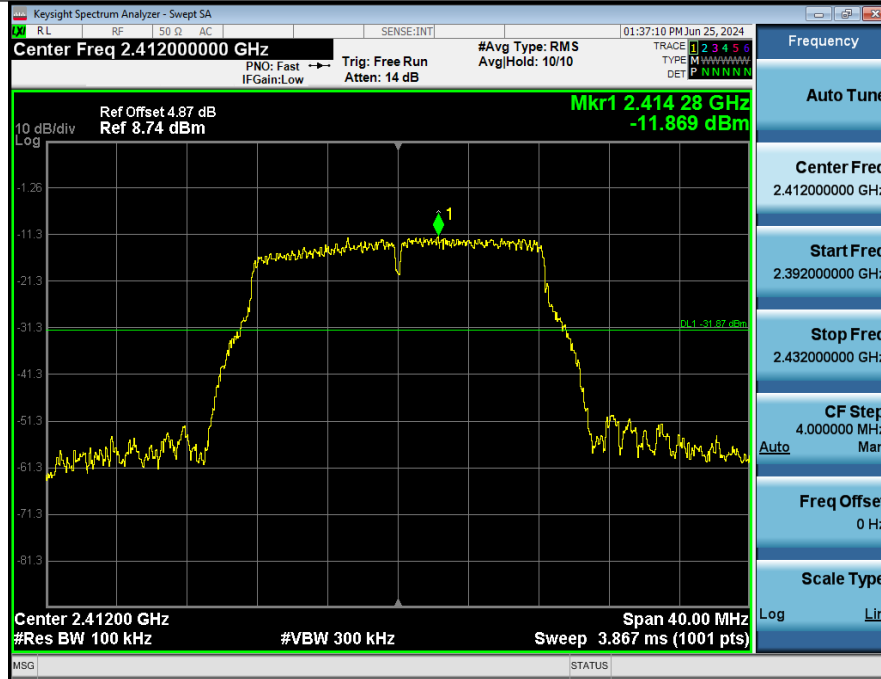
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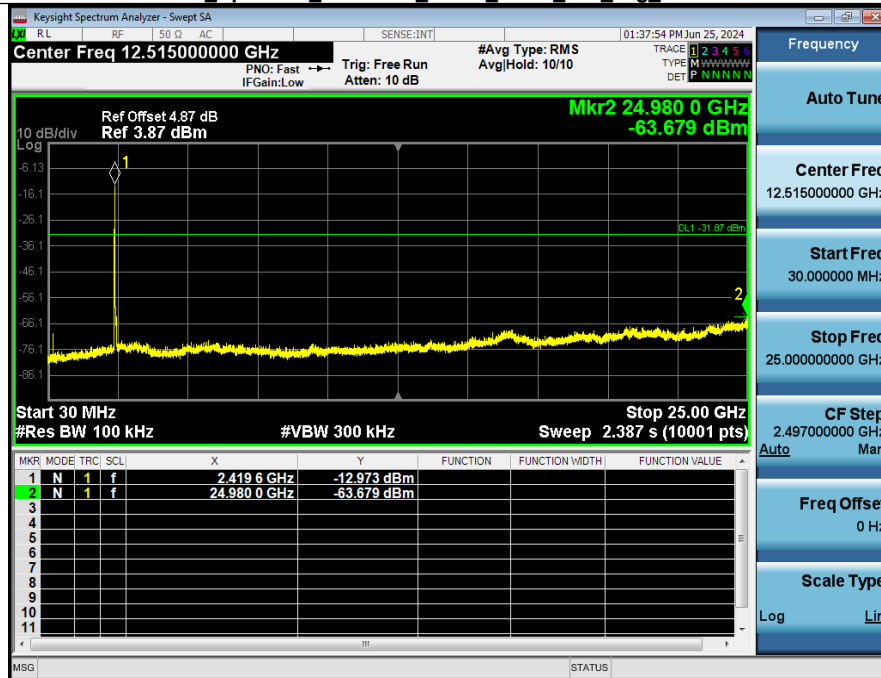
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1 Reference_Level_NVNT_ANT1_802_11g_2412



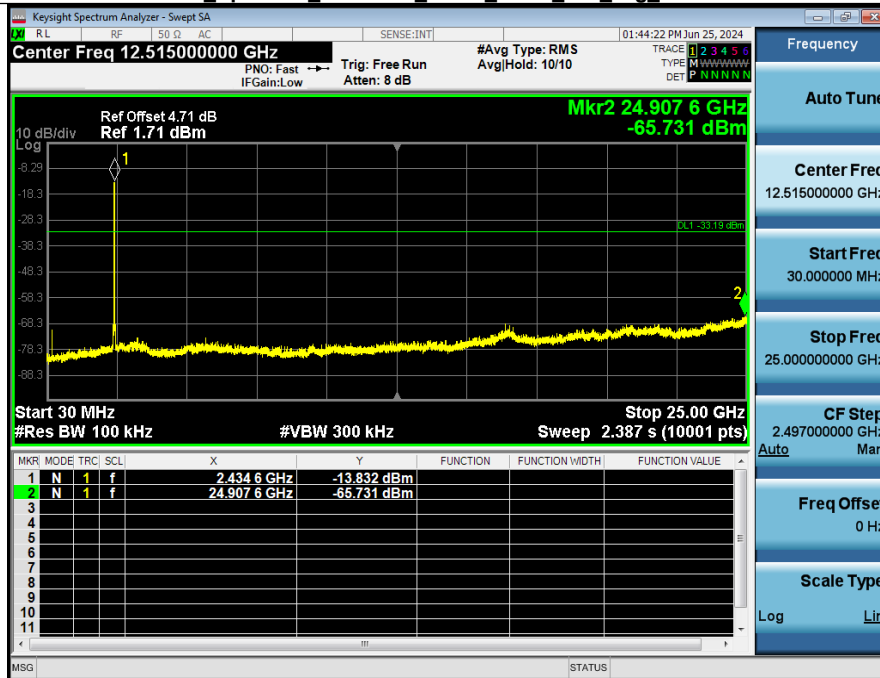
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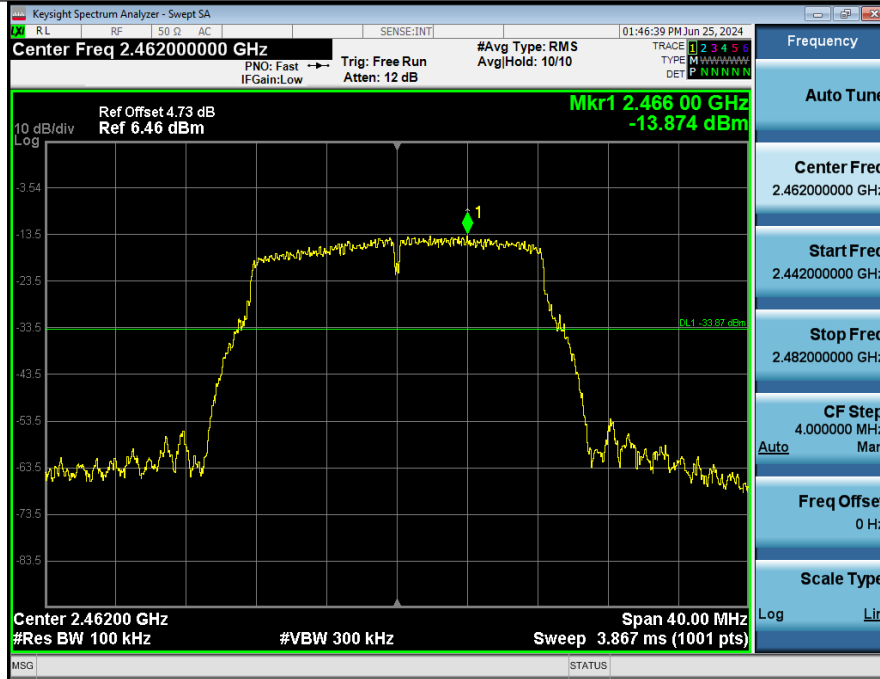
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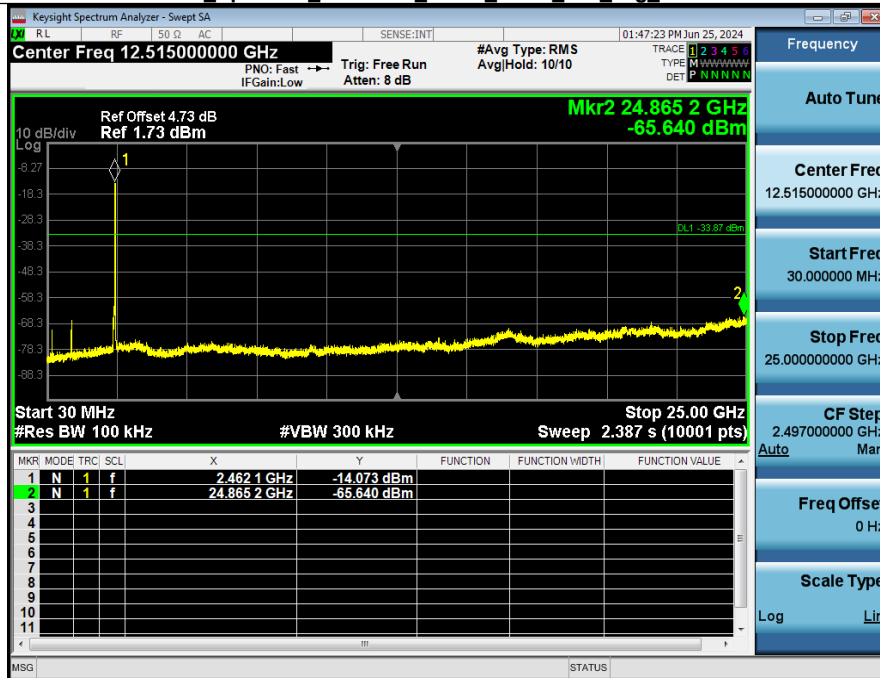
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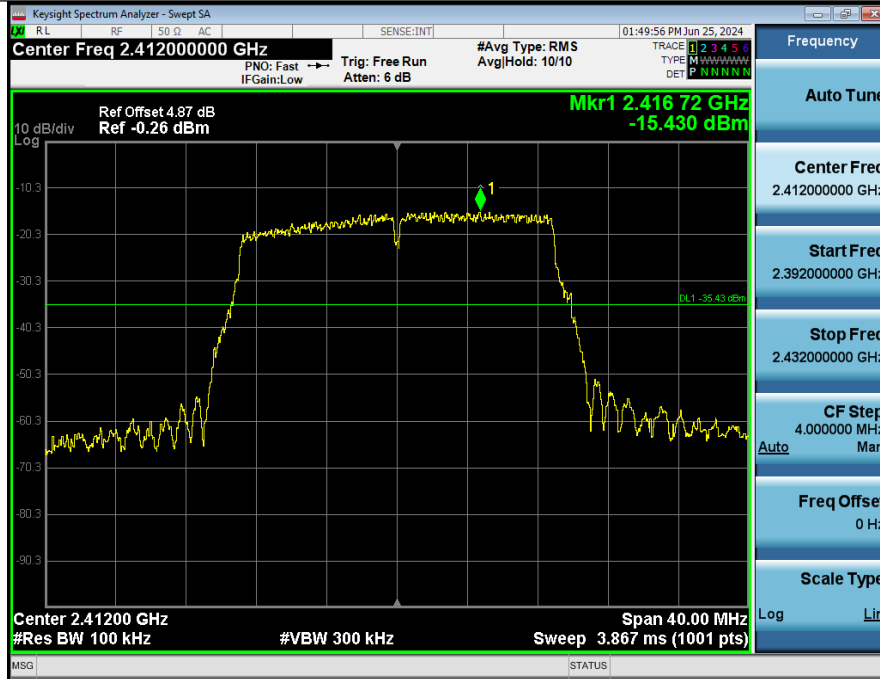
1 Reference Level_NVNT_ANT1_802_11g_2462



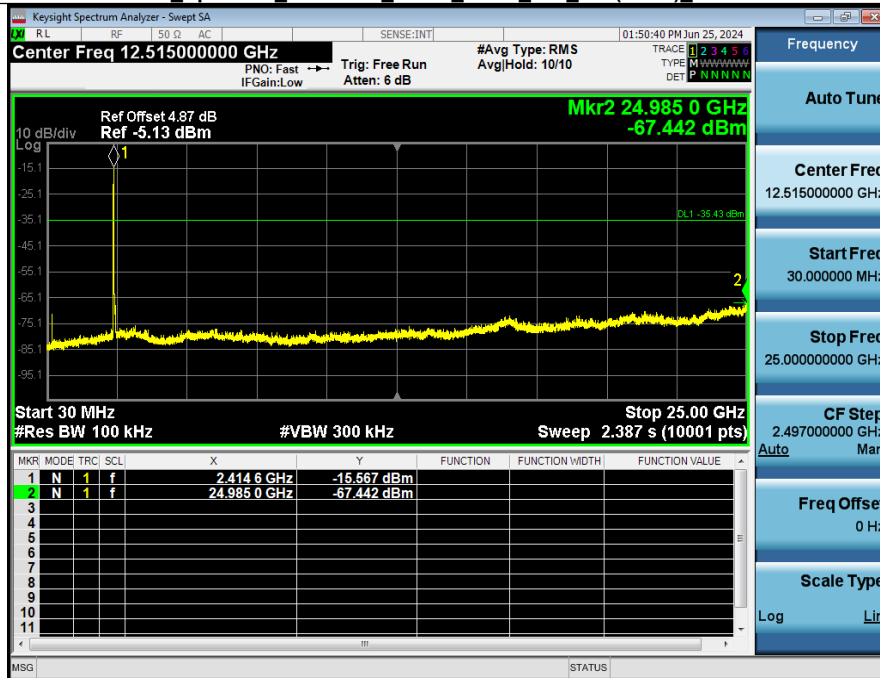
2 Spurious Emission_NVNT_ANT1_802_11g_2462



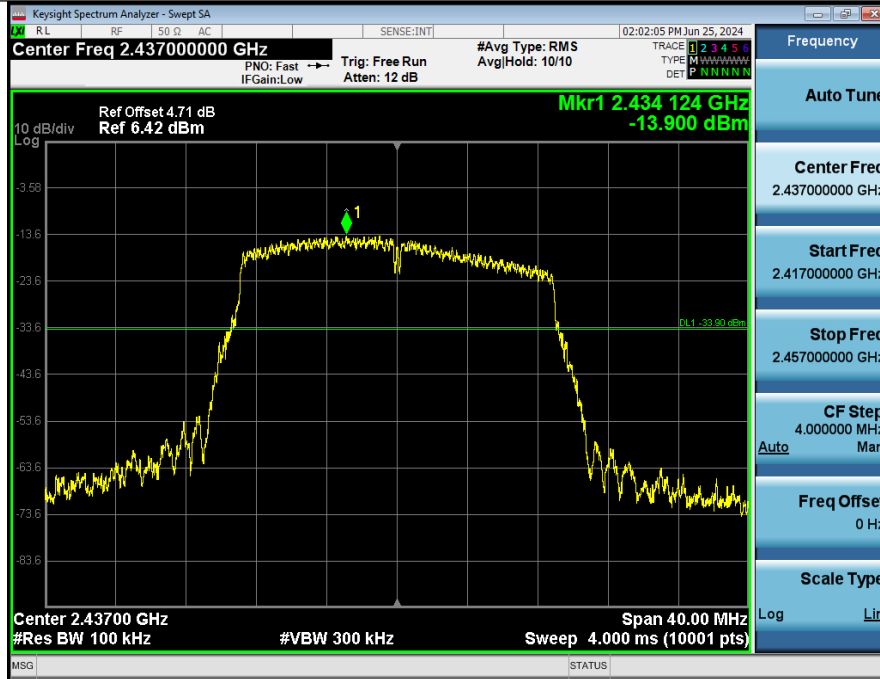
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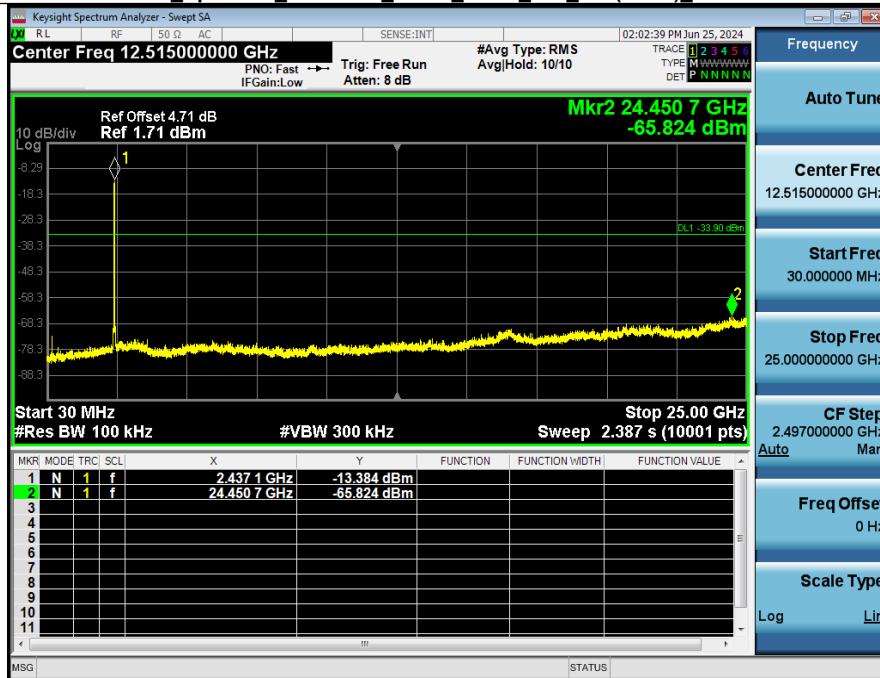
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



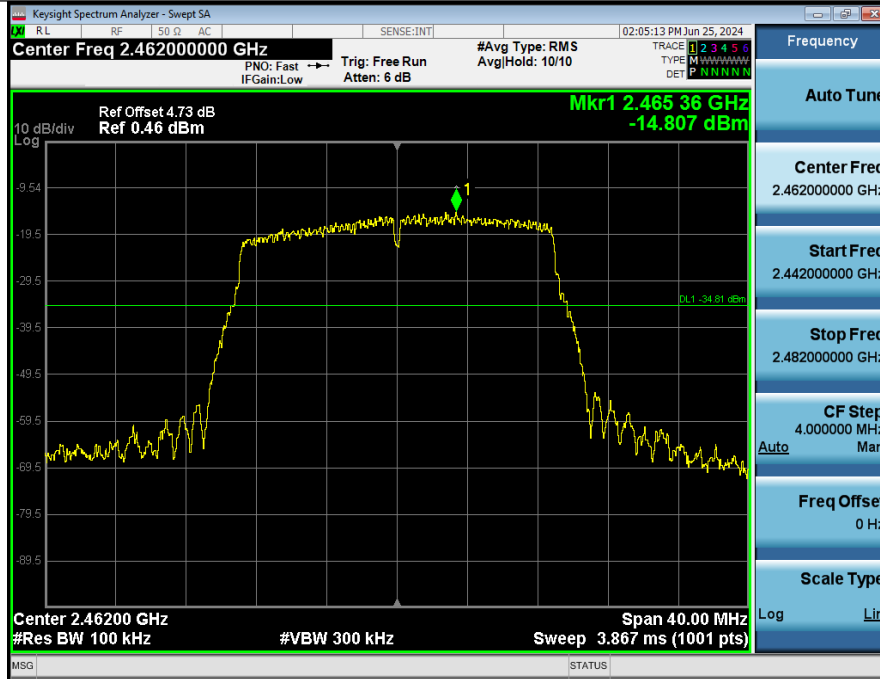
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437



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

