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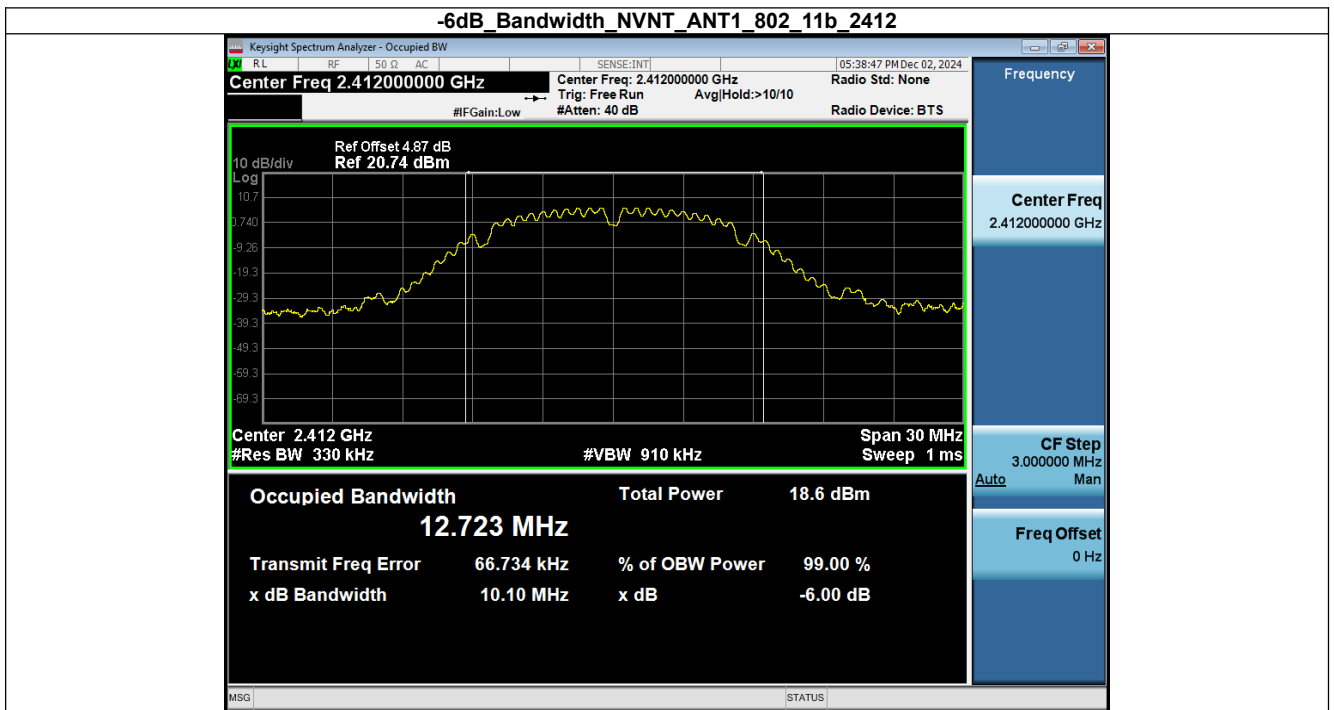
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FCC ID WIFI2.4

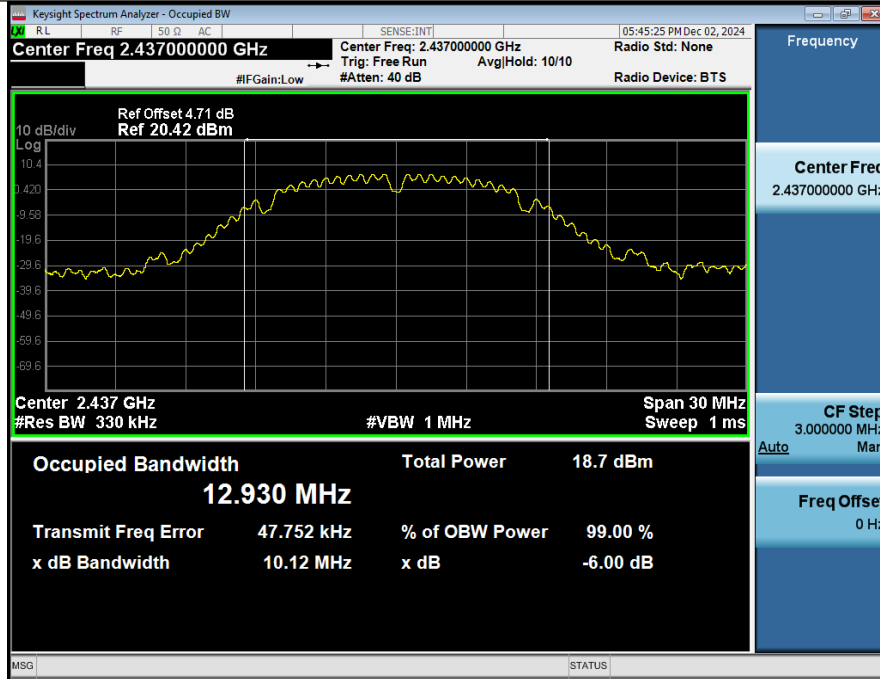
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

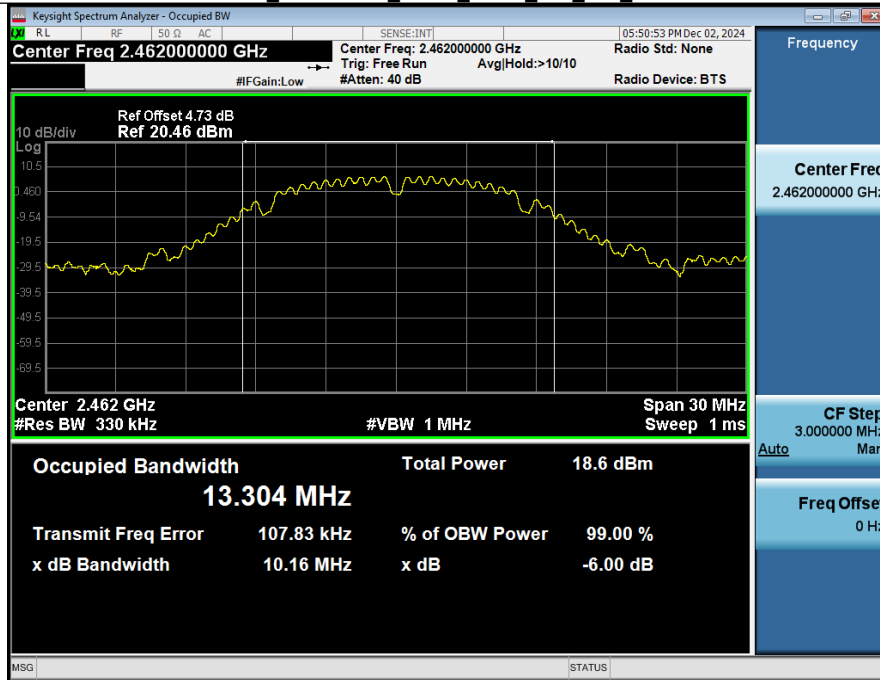
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.10	500	Pass
NVNT	ANT1	802.11b	2437.00	10.12	500	Pass
NVNT	ANT1	802.11b	2462.00	10.16	500	Pass
NVNT	ANT1	802.11g	2412.00	16.20	500	Pass
NVNT	ANT1	802.11g	2437.00	16.25	500	Pass
NVNT	ANT1	802.11g	2462.00	16.21	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.26	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.38	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.37	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.80	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.81	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.95	500	Pass



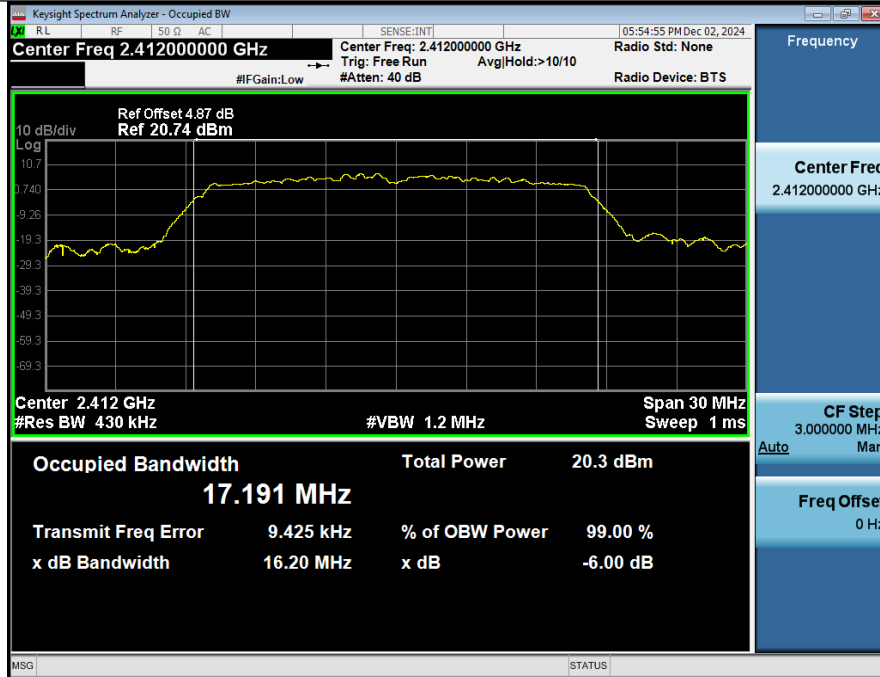
-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



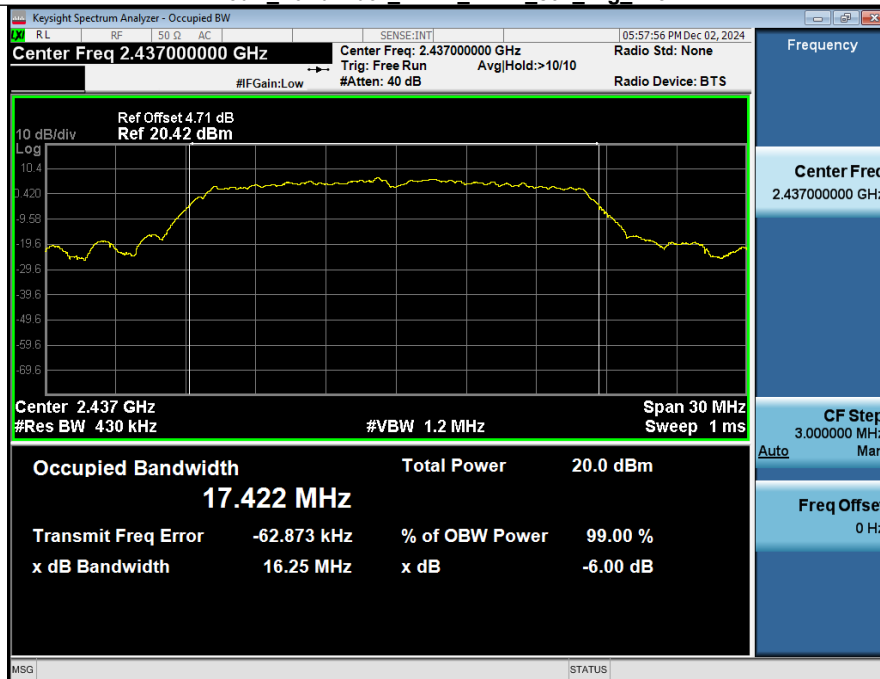
-6dB_Bandwidth_NVNT_ANT1_802_11b_2462



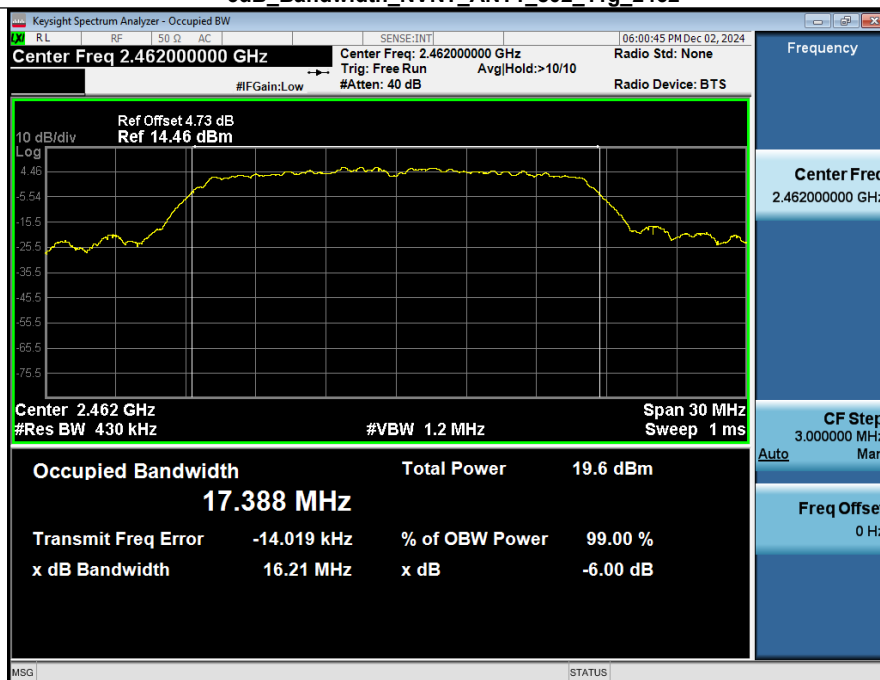
-6dB_Bandwidth_NVNT_ANT1_802_11g_2412



-6dB_Bandwidth_NVNT_ANT1_802_11g_2437



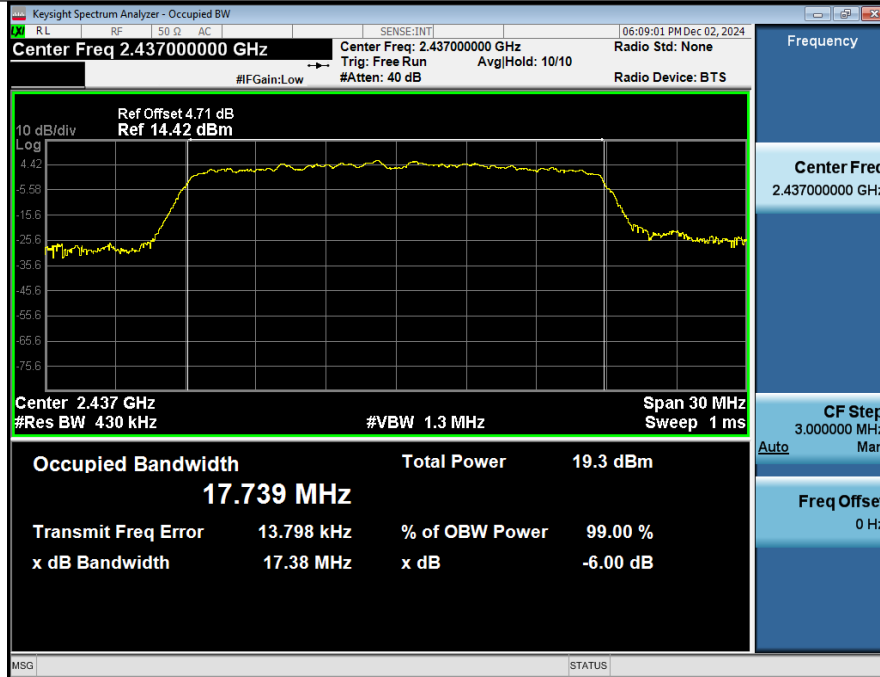
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



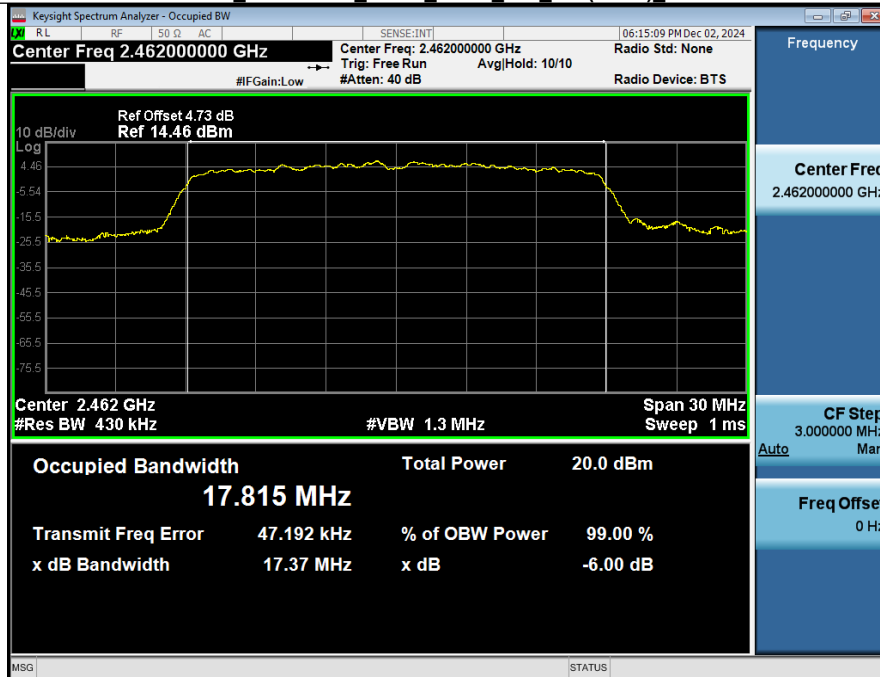
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



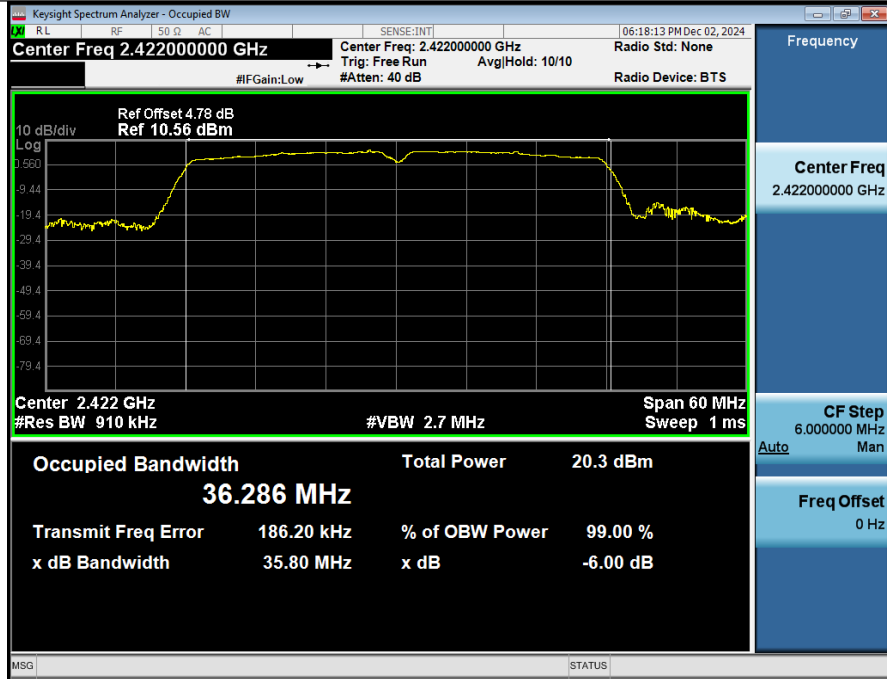
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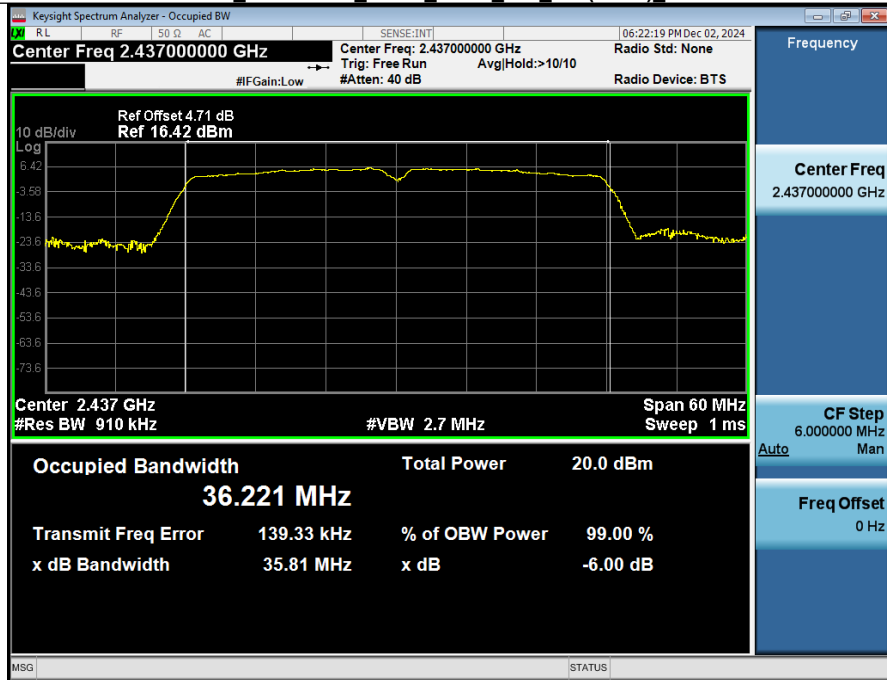
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462

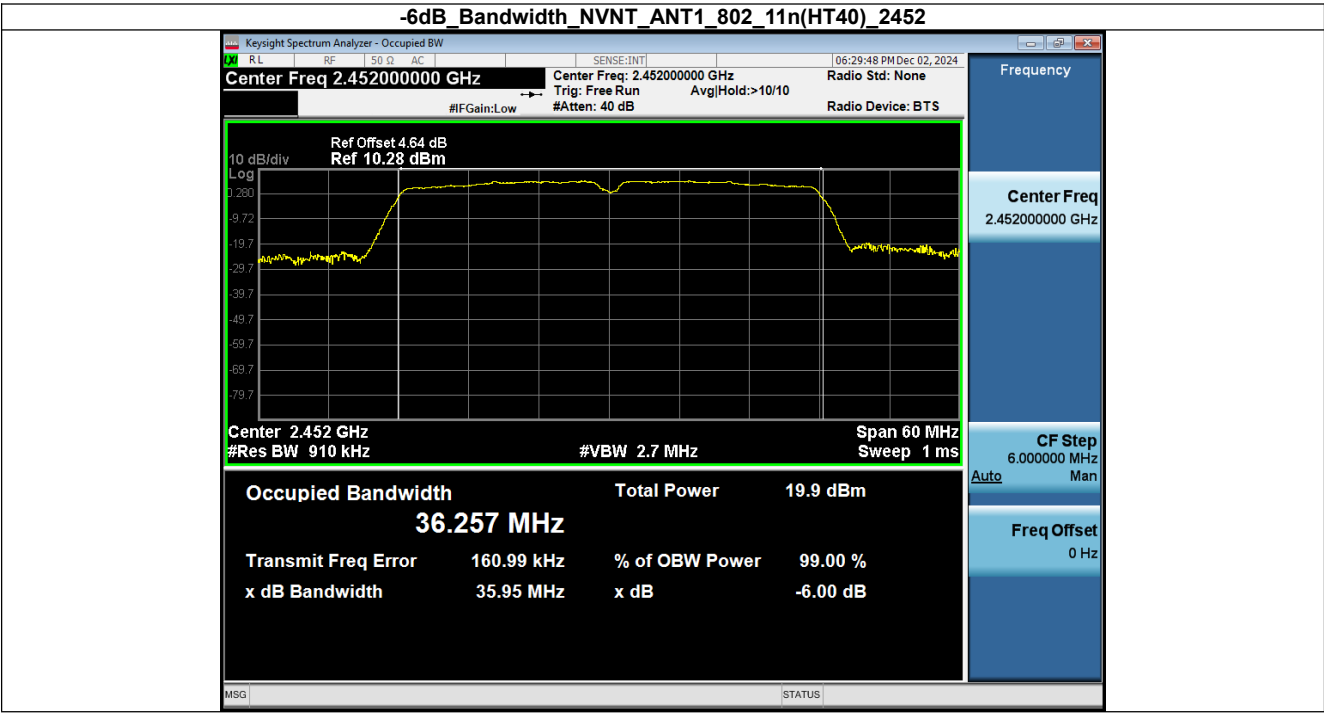


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



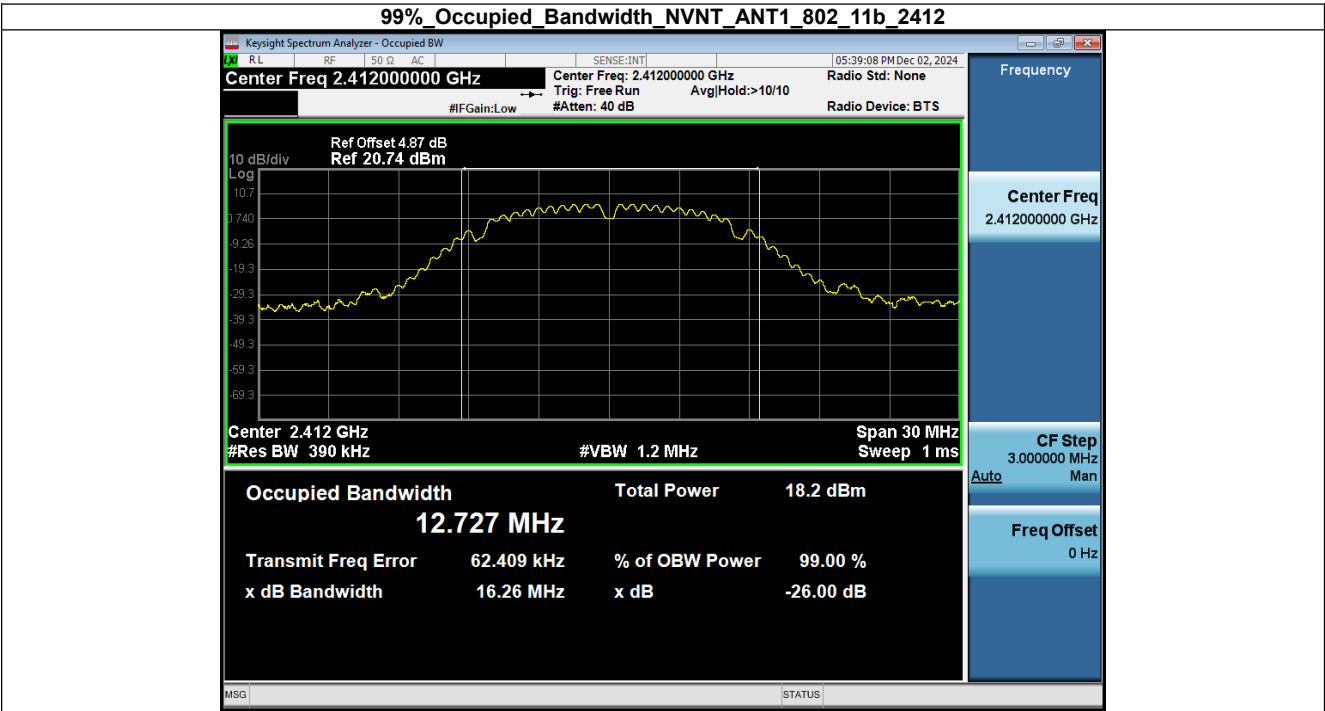
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



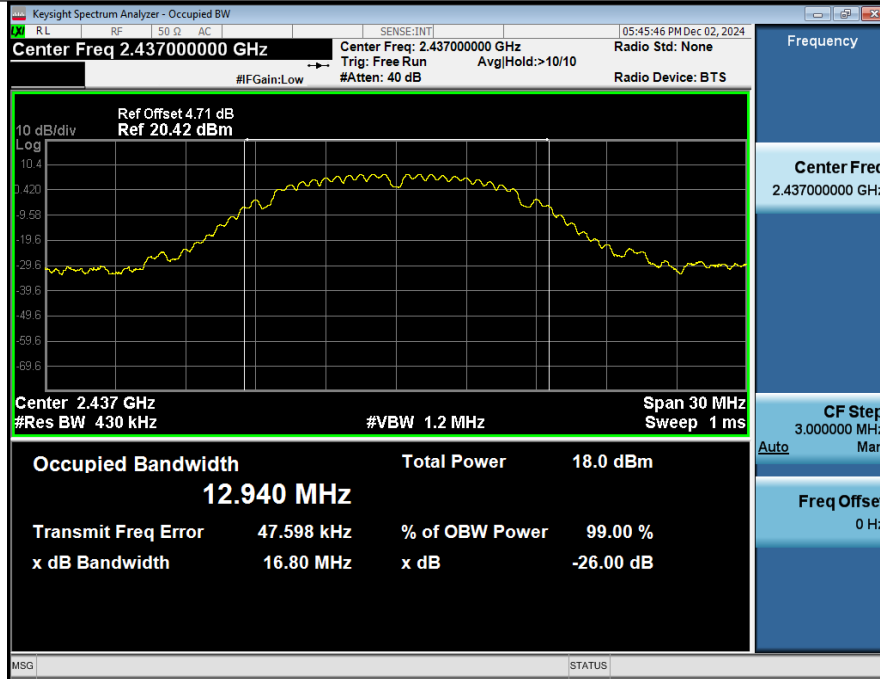


2. 99% Occupied Bandwidth

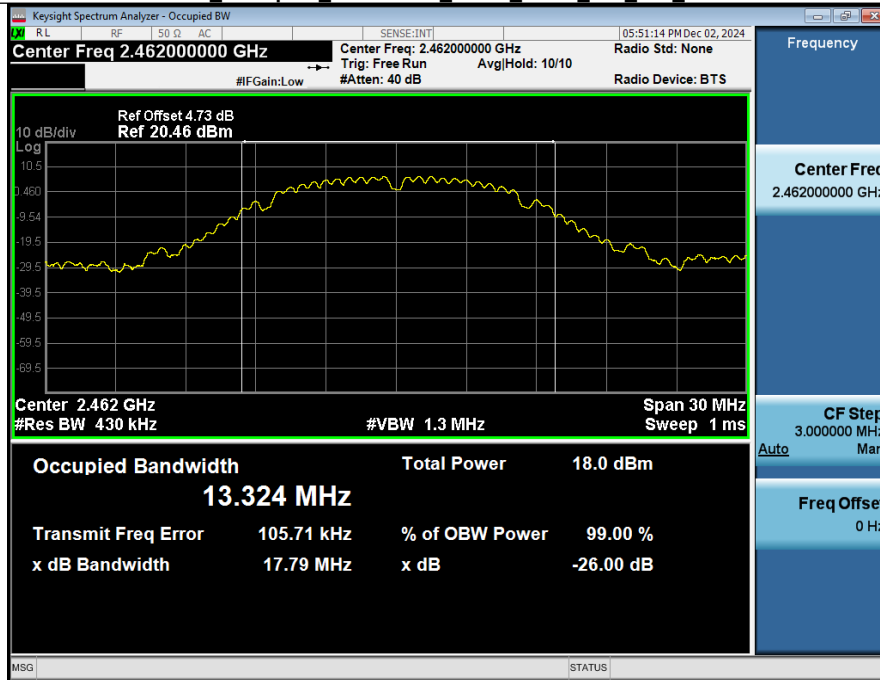
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.727
NVNT	ANT1	802.11b	2437.00	12.940
NVNT	ANT1	802.11b	2462.00	13.324
NVNT	ANT1	802.11g	2412.00	17.407
NVNT	ANT1	802.11g	2437.00	17.557
NVNT	ANT1	802.11g	2462.00	17.723
NVNT	ANT1	802.11n(HT20)	2412.00	17.850
NVNT	ANT1	802.11n(HT20)	2437.00	17.790
NVNT	ANT1	802.11n(HT20)	2462.00	17.925
NVNT	ANT1	802.11n(HT40)	2422.00	36.281
NVNT	ANT1	802.11n(HT40)	2437.00	36.248
NVNT	ANT1	802.11n(HT40)	2452.00	36.282



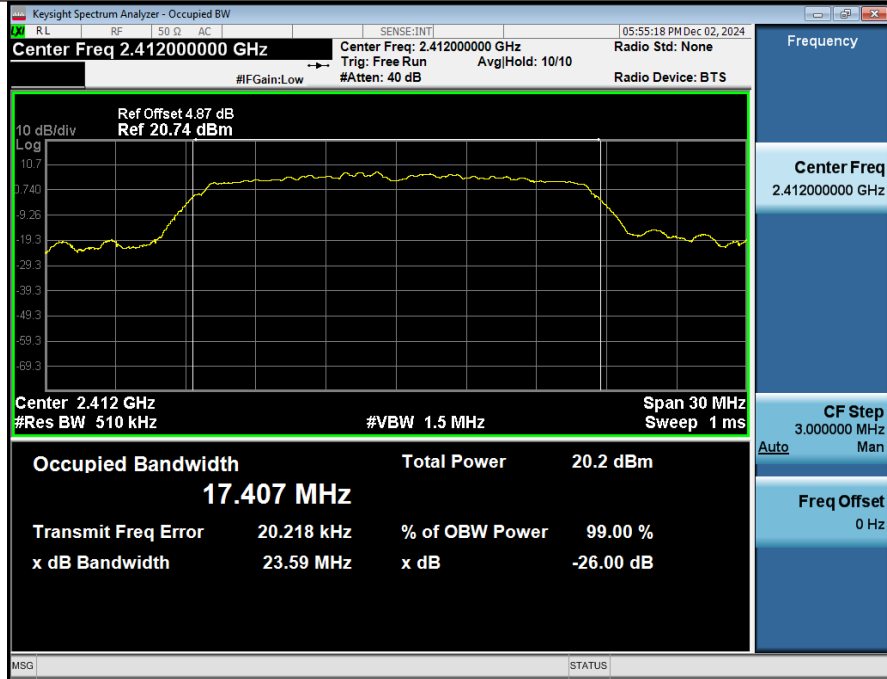
99% Occupied Bandwidth NVNT_ANT1_802_11b_2437



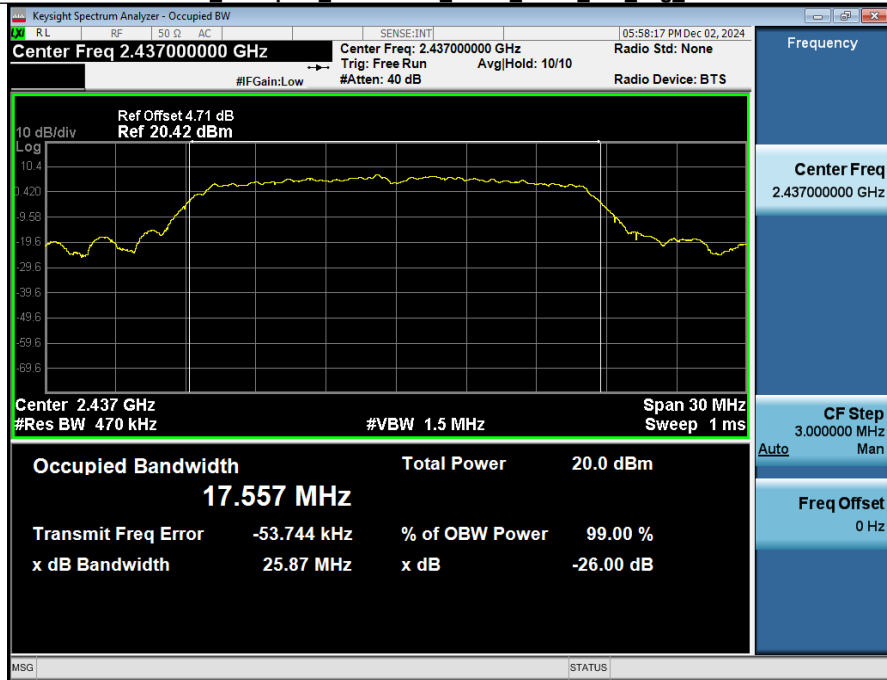
99% Occupied Bandwidth NVNT_ANT1_802_11b_2462



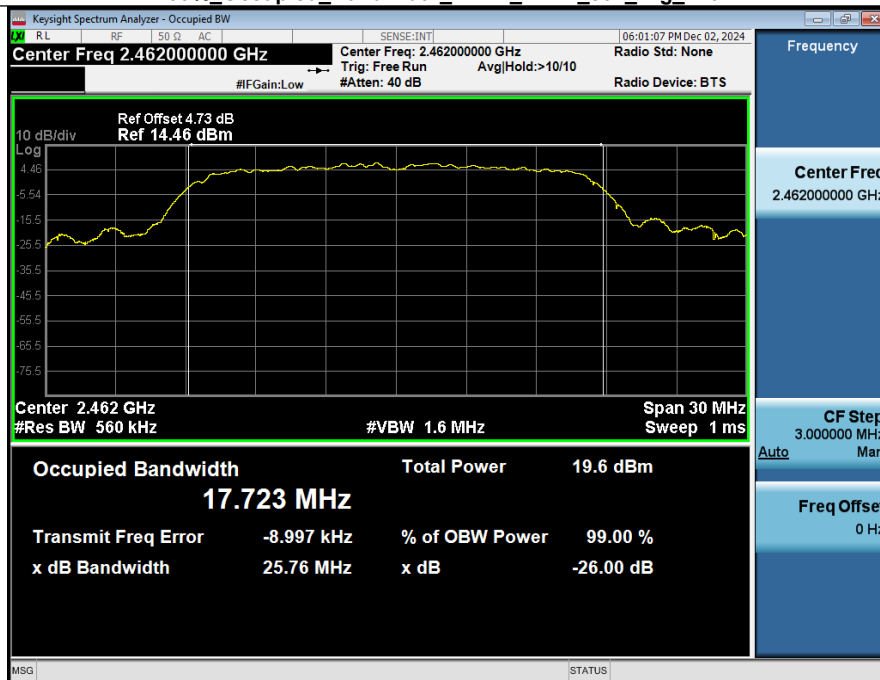
99% Occupied Bandwidth NVNT_ANT1_802_11g_2412



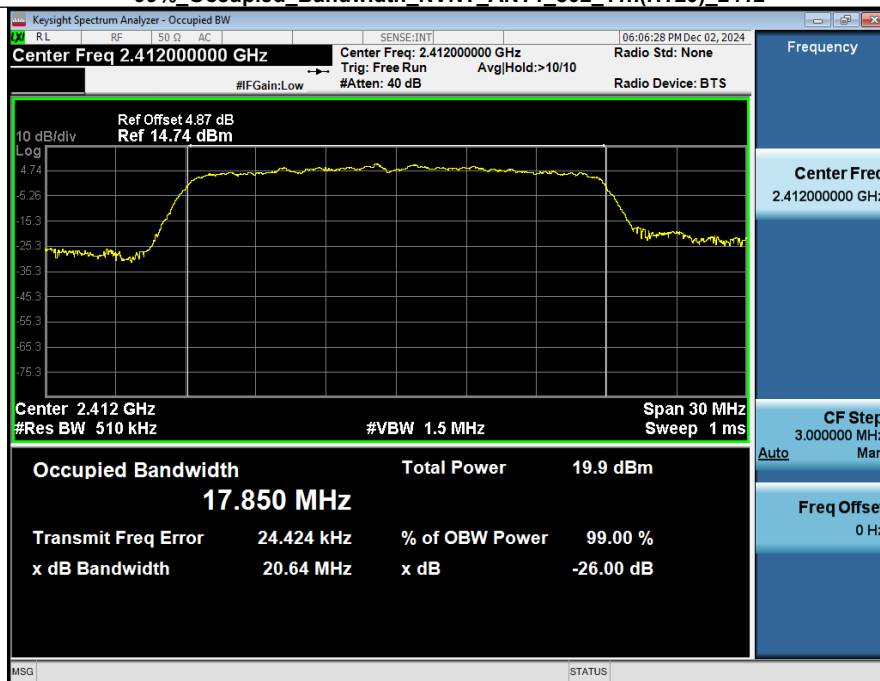
99% Occupied Bandwidth NVNT_ANT1_802_11g_2437

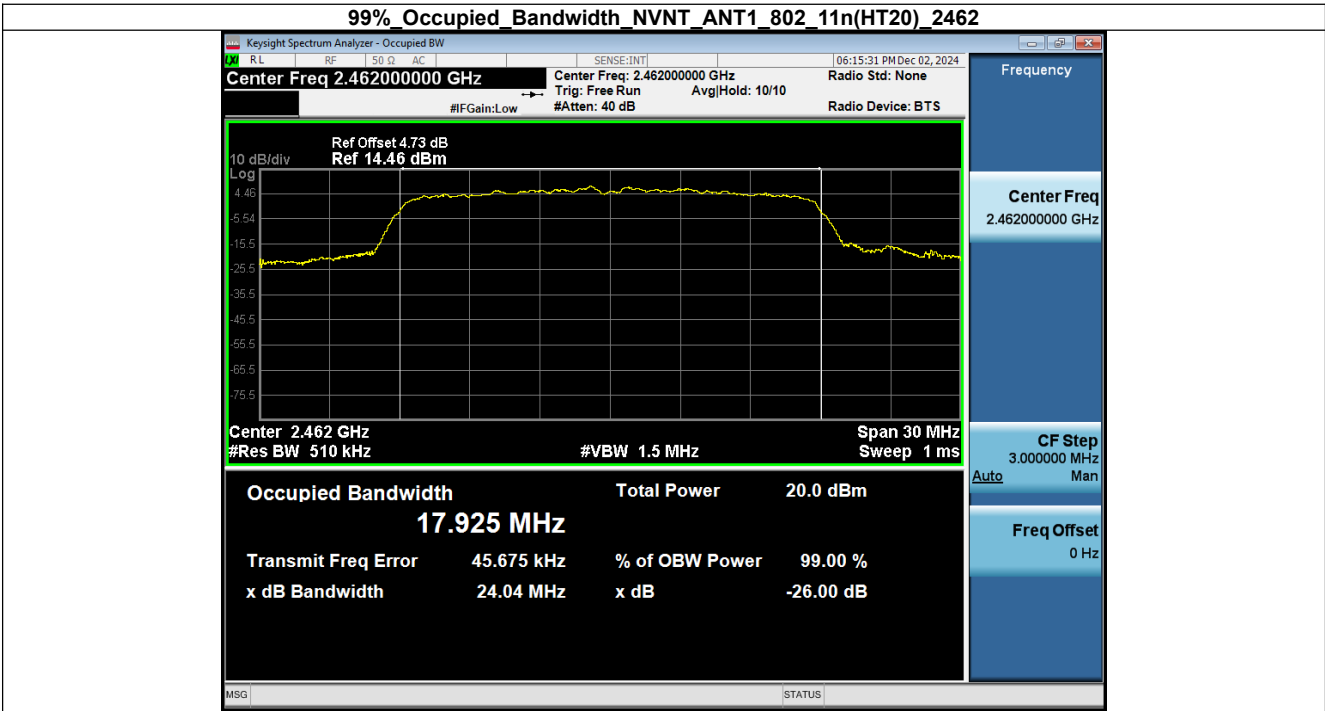
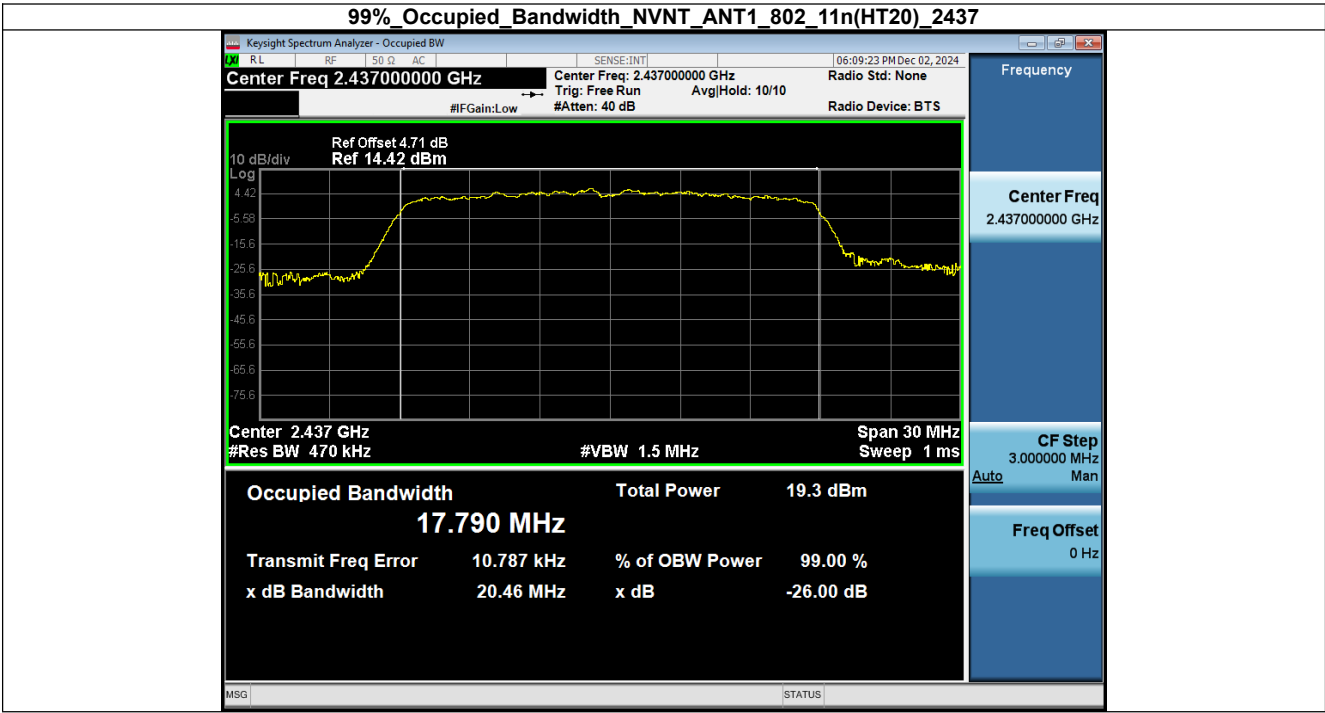


99% Occupied Bandwidth NVNT_ANT1_802_11g_2462

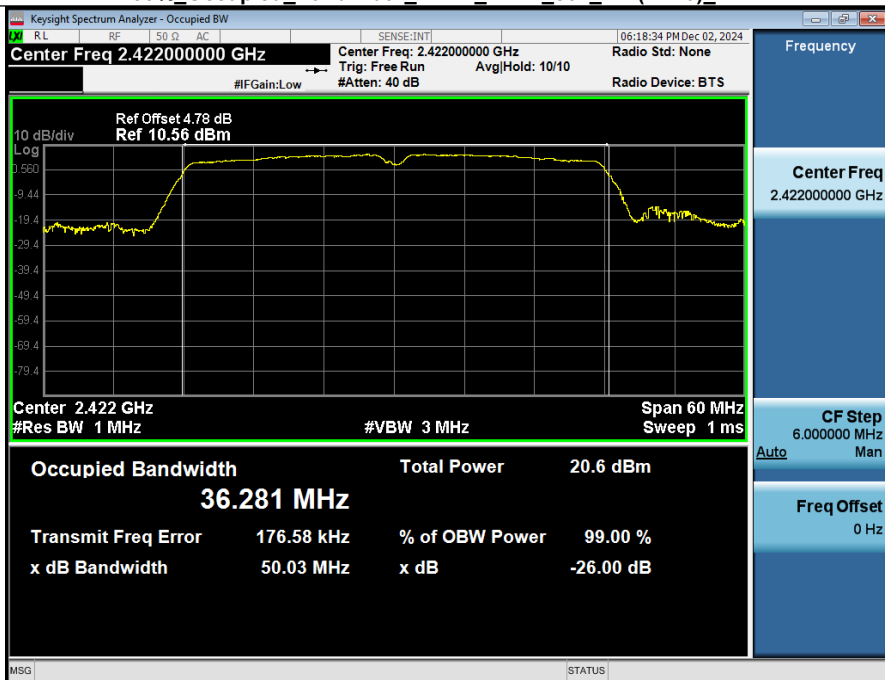


99% Occupied Bandwidth NVNT_ANT1_802_11n(HT20)_2412



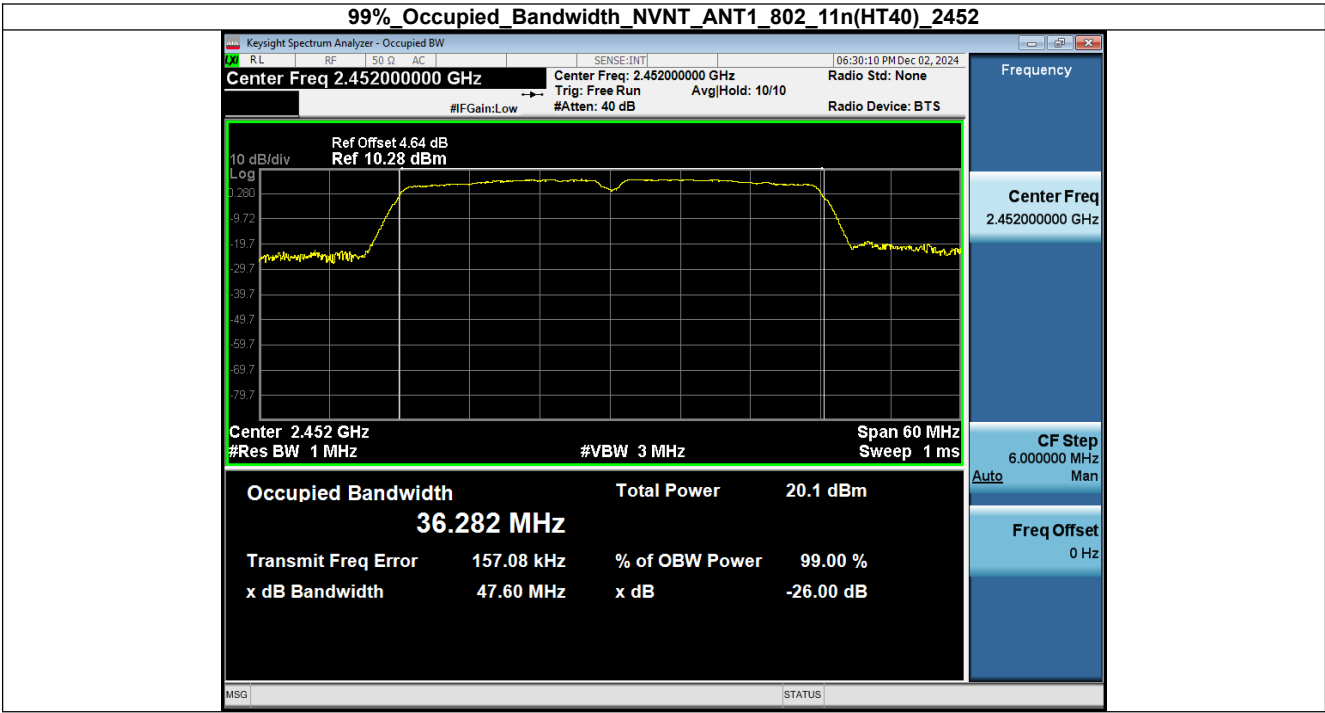


99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



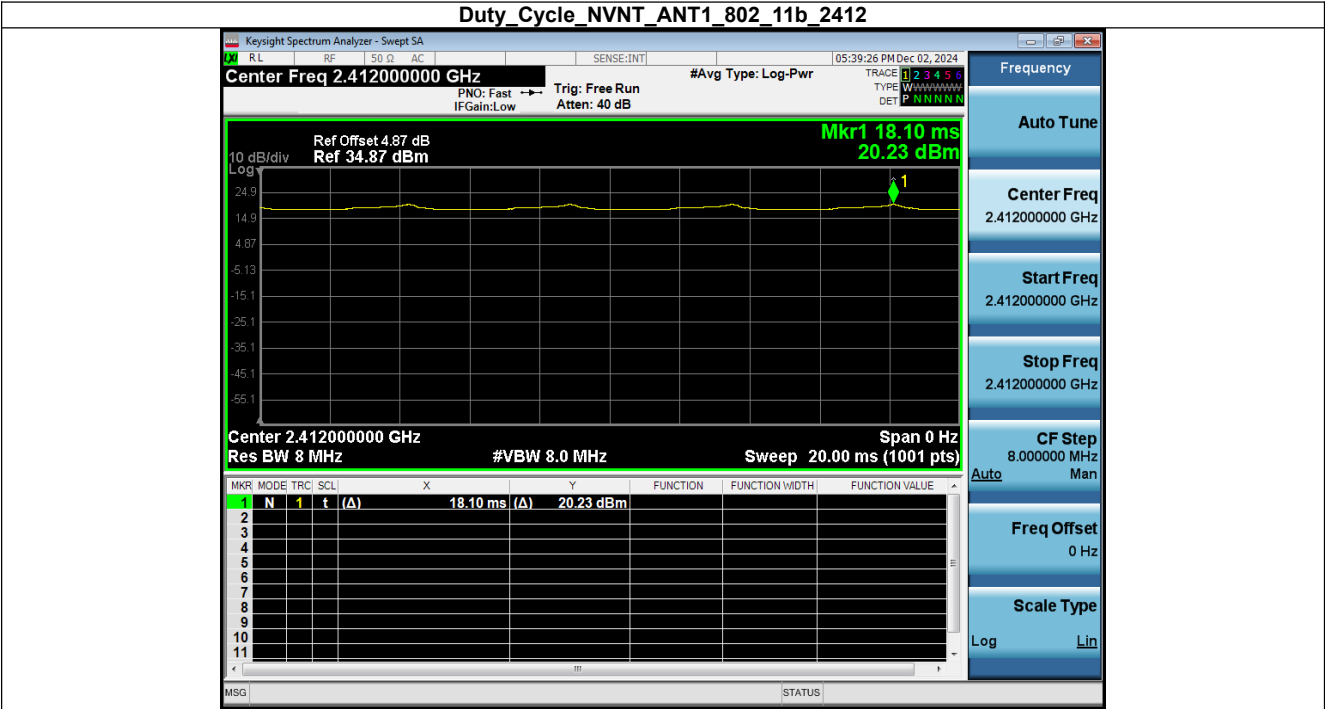
99% Occupied Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



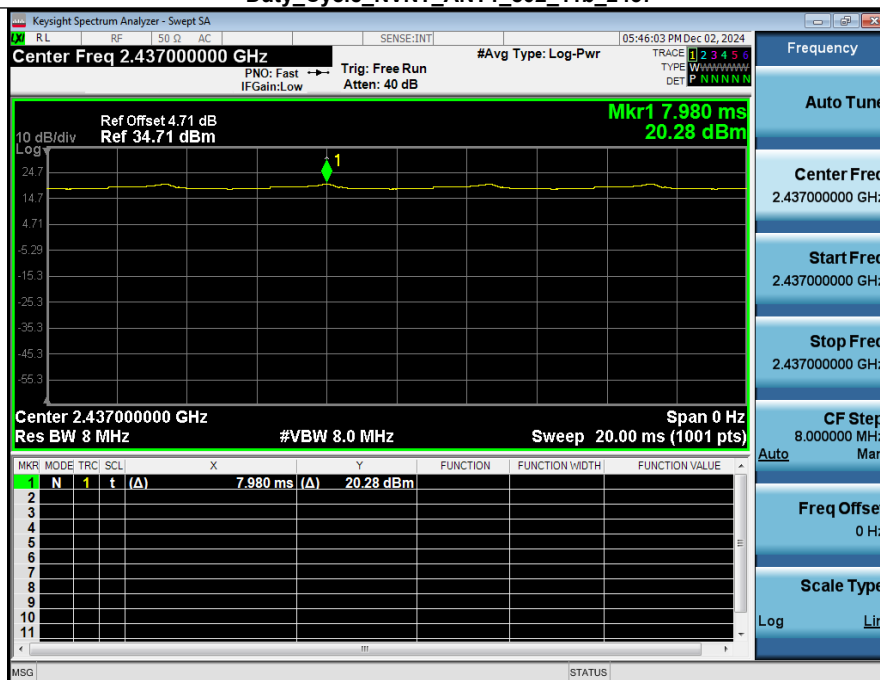


3. Duty Cycle

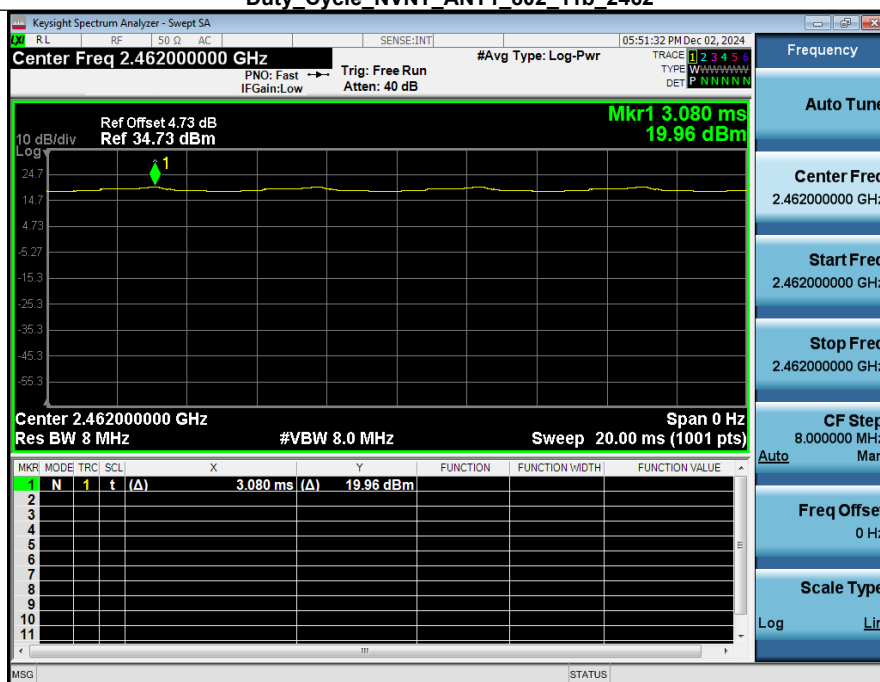
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	100	0.00
NVNT	ANT1	802.11b	2437.00	100	0.00
NVNT	ANT1	802.11b	2462.00	100	0.00
NVNT	ANT1	802.11g	2412.00	100	0.00
NVNT	ANT1	802.11g	2437.00	100	0.00
NVNT	ANT1	802.11g	2462.00	100	0.00
NVNT	ANT1	802.11n(HT20)	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
NVNT	ANT1	802.11n(HT40)	2422.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2437.00	100	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	100	0.00



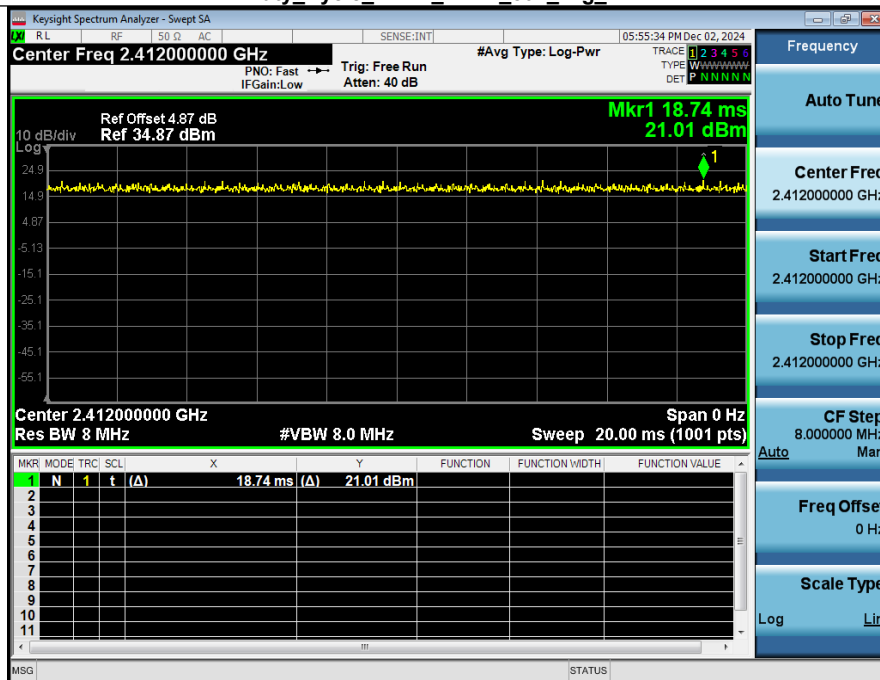
Duty Cycle NVNT_ANT1_802_11b_2437



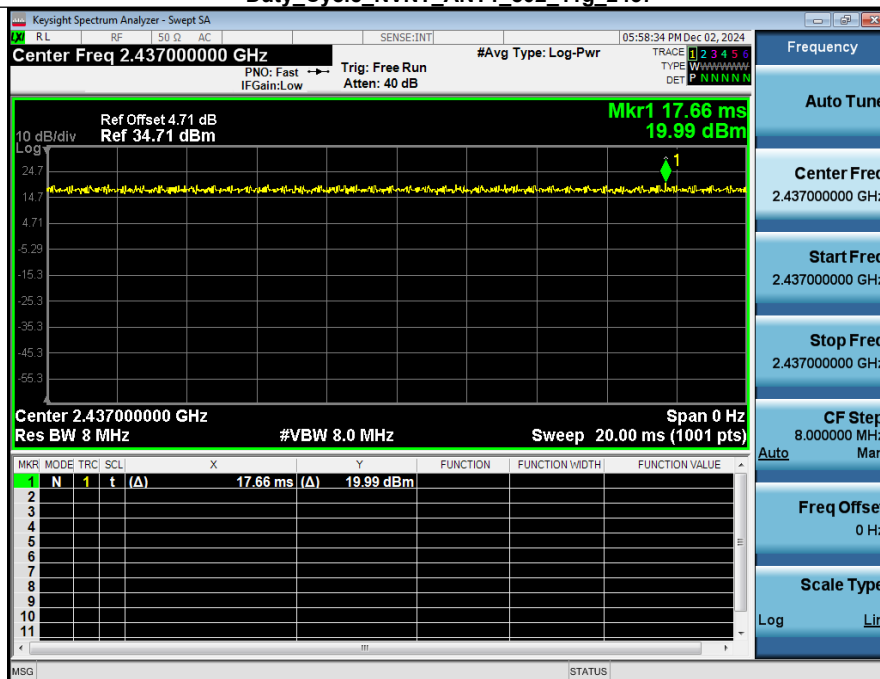
Duty Cycle NVNT_ANT1_802_11b_2462



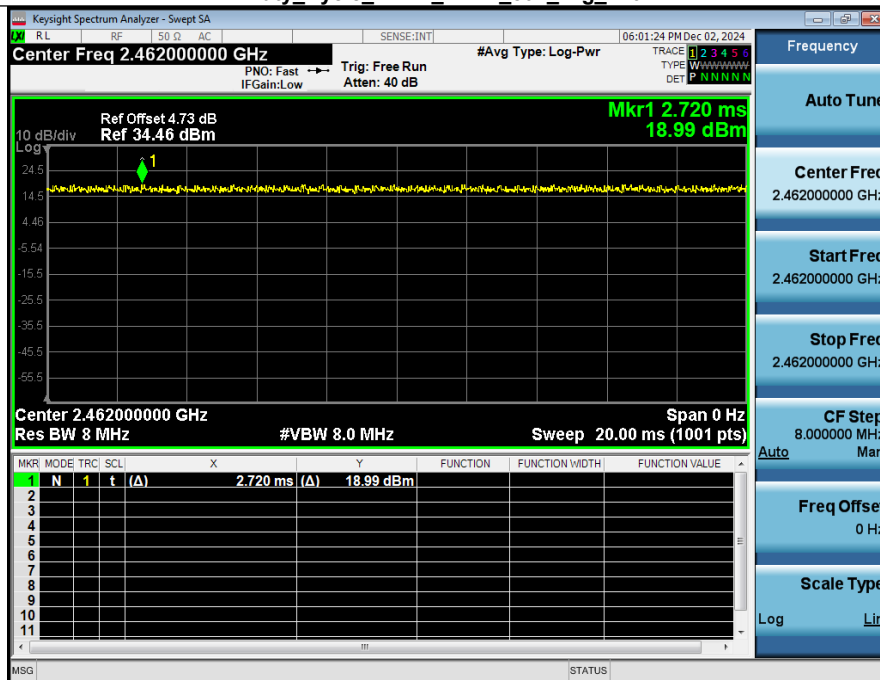
Duty Cycle NVNT_ANT1_802_11g_2412



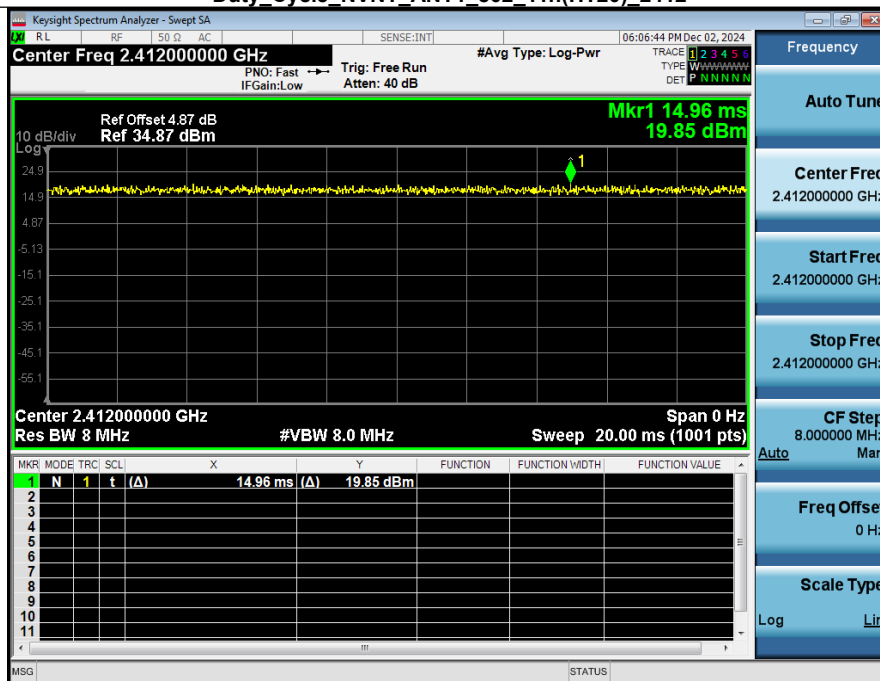
Duty Cycle NVNT_ANT1_802_11g_2437



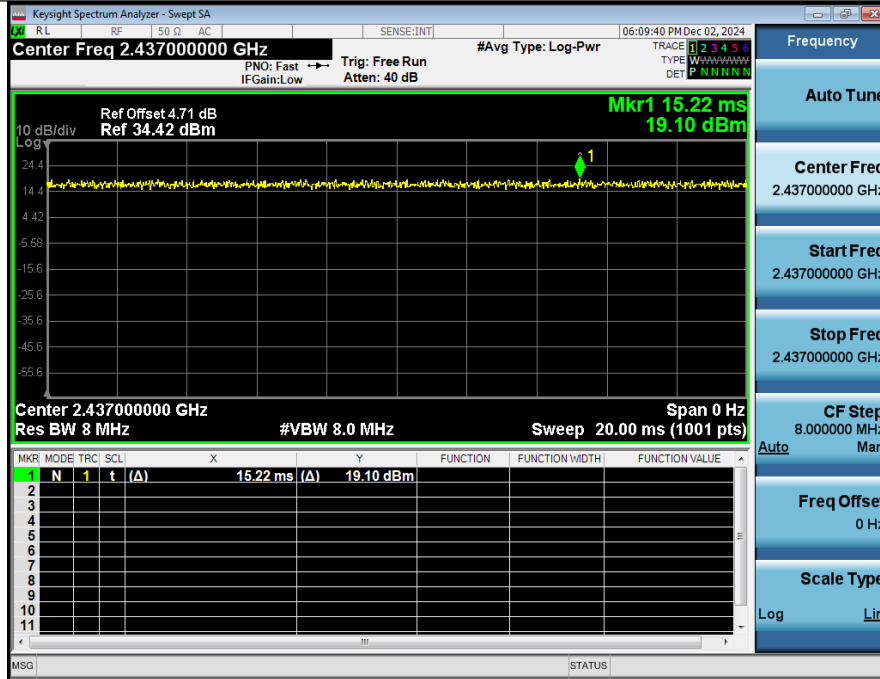
Duty Cycle NVNT_ANT1_802_11g_2462



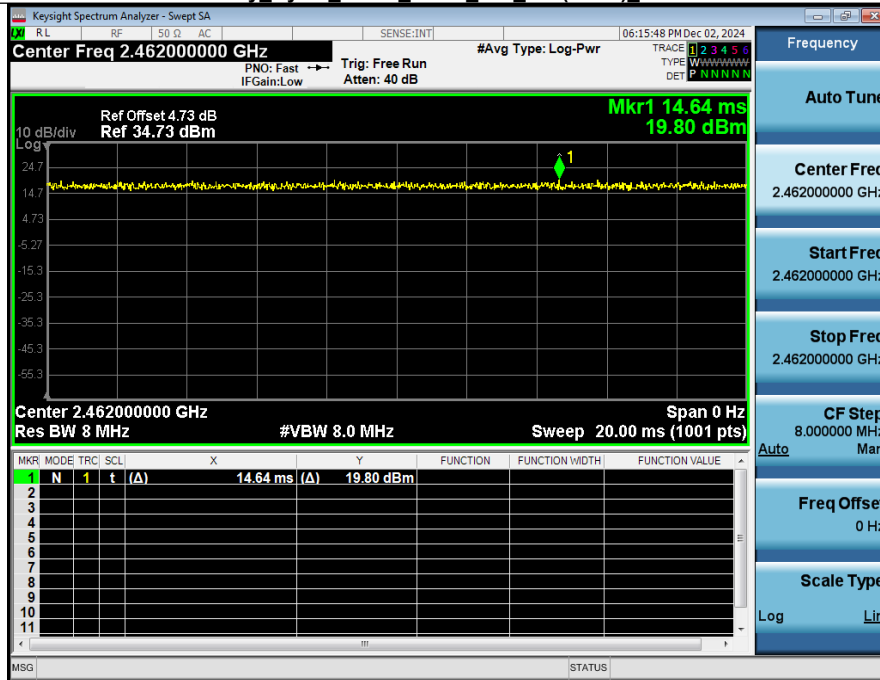
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



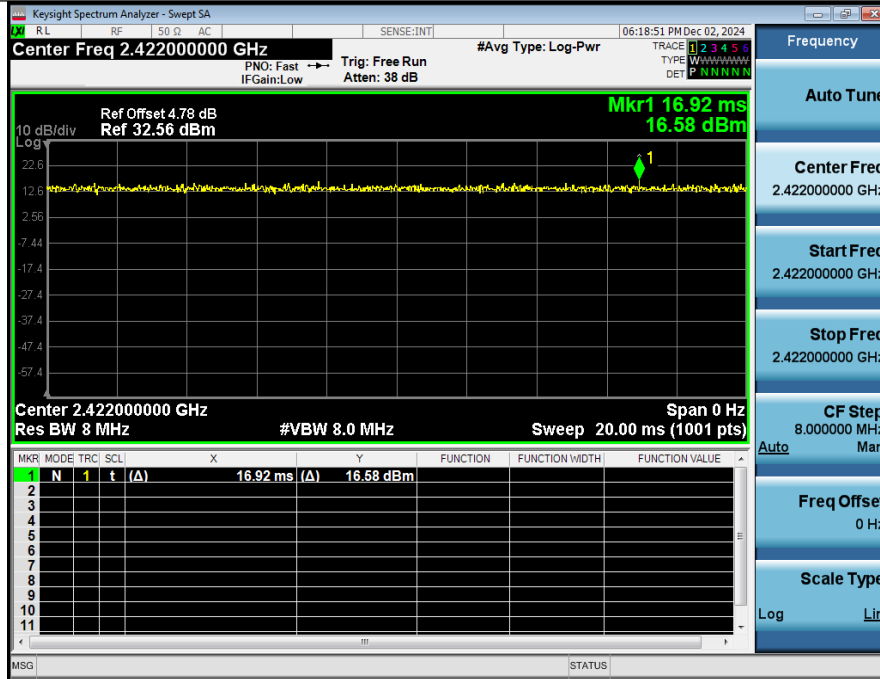
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



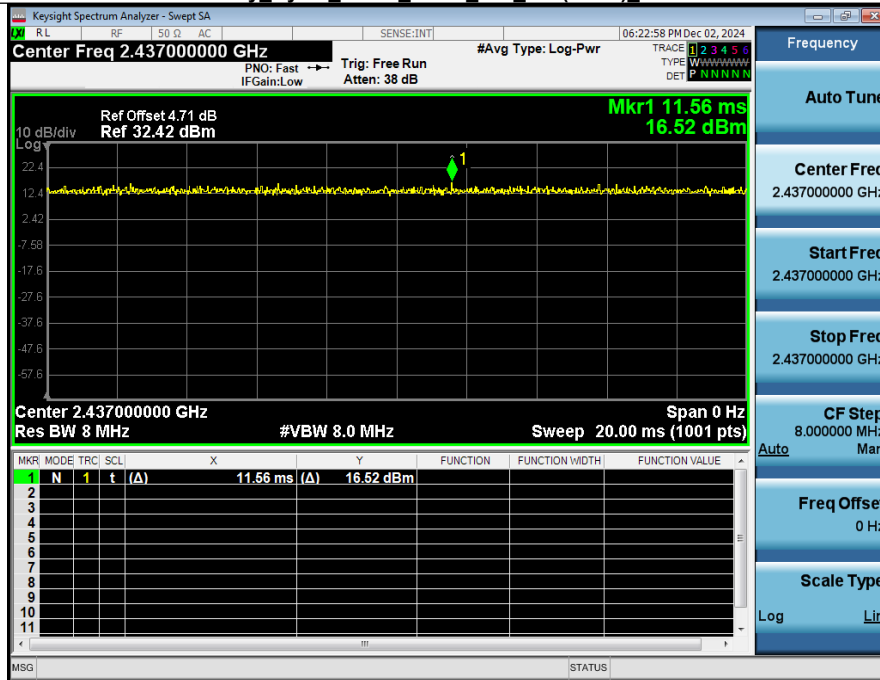
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



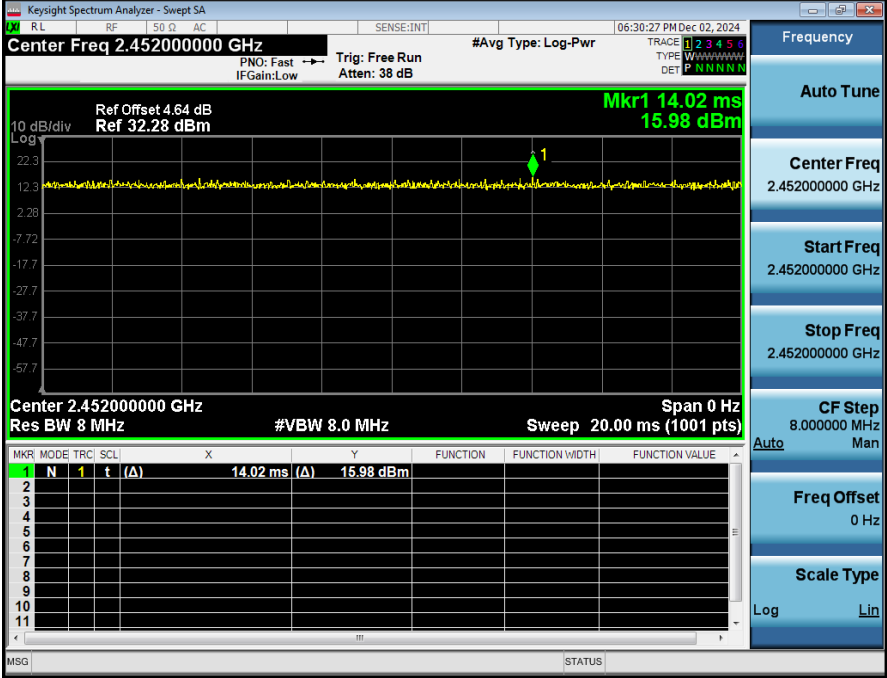
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452

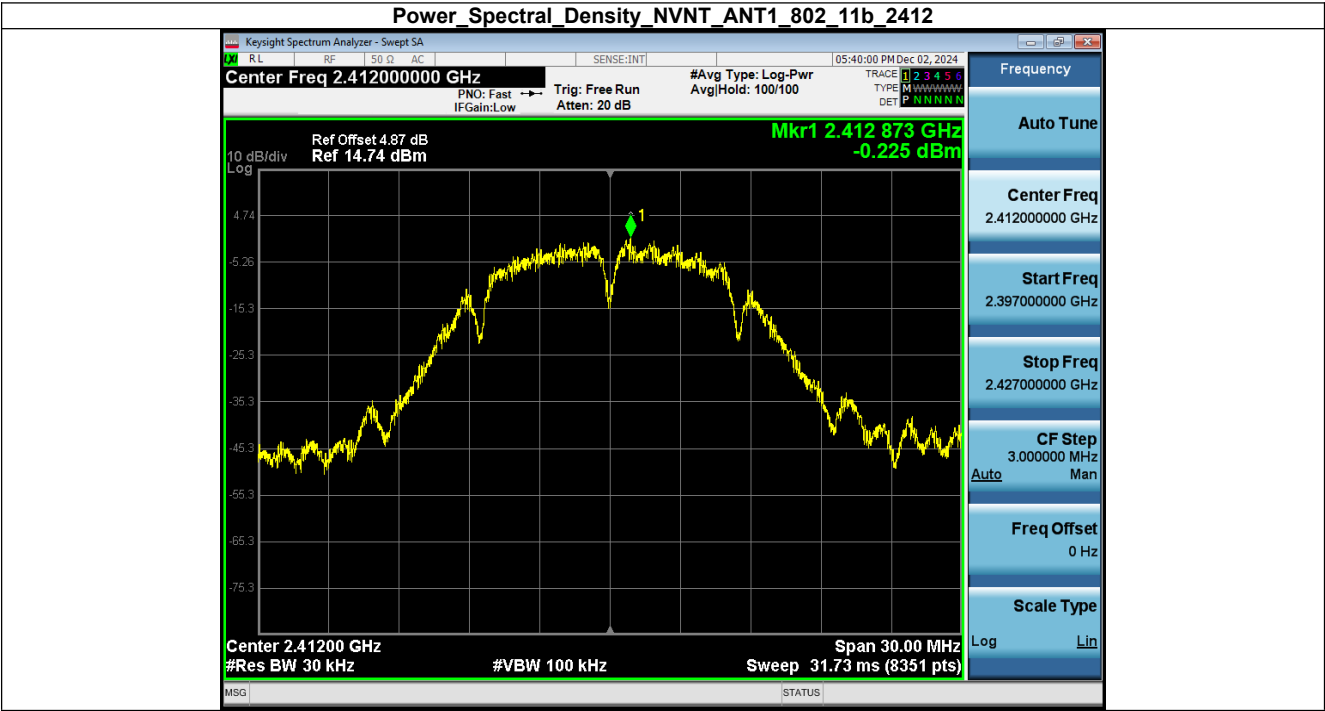


4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	5.58	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	5.59	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	5.63	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	8.06	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	7.77	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	7.44	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	7.66	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	7.07	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	7.77	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	7.3	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	7.06	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	6.93	30	Pass

5. Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-0.23	N/A	-10.00	-10.22	8	Pass
NVNT	ANT1	802.11b	2437.00	-0.27	N/A	-10.00	-10.27	8	Pass
NVNT	ANT1	802.11b	2462.00	-0.37	N/A	-10.00	-10.37	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.28	N/A	-10.00	-12.28	8	Pass
NVNT	ANT1	802.11g	2437.00	-2.64	N/A	-10.00	-12.64	8	Pass
NVNT	ANT1	802.11g	2462.00	-3.09	N/A	-10.00	-13.09	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-2.02	N/A	-10.00	-12.02	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-3.02	N/A	-10.00	-13.02	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-1.96	N/A	-10.00	-11.96	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-6.75	N/A	-10.00	-16.75	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-6.84	N/A	-10.00	-16.84	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.35	N/A	-10.00	-17.35	8	Pass



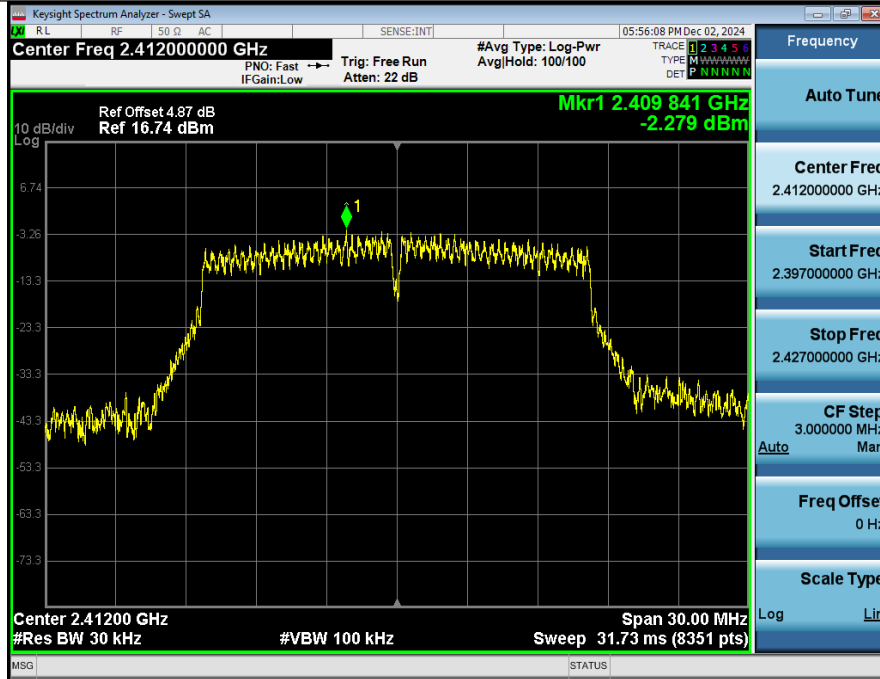
Power Spectral Density_NVNT_ANT1_802_11b_2437



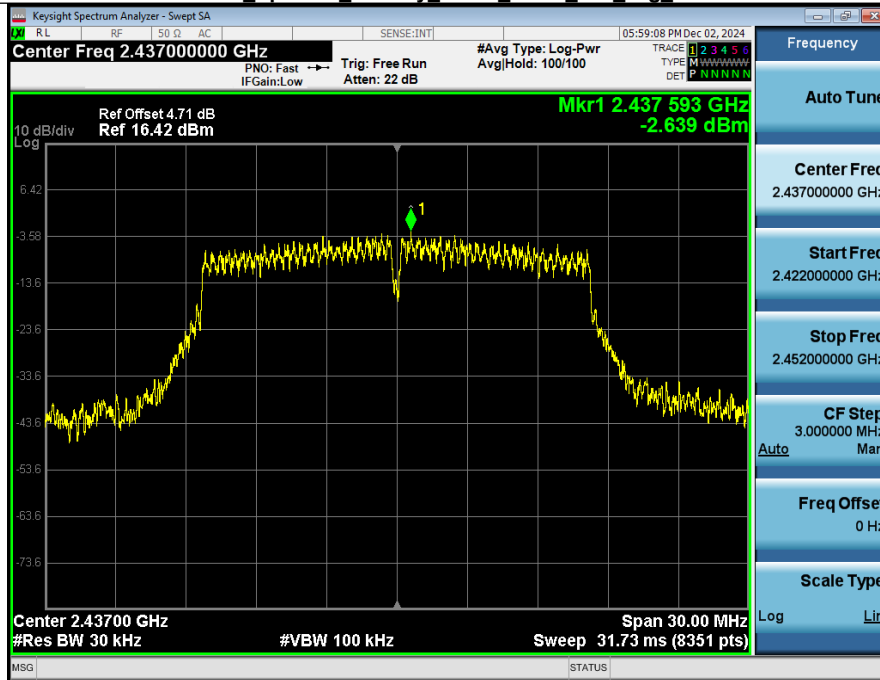
Power Spectral Density_NVNT_ANT1_802_11b_2462



Power Spectral Density NVNT_ANT1_802_11g_2412



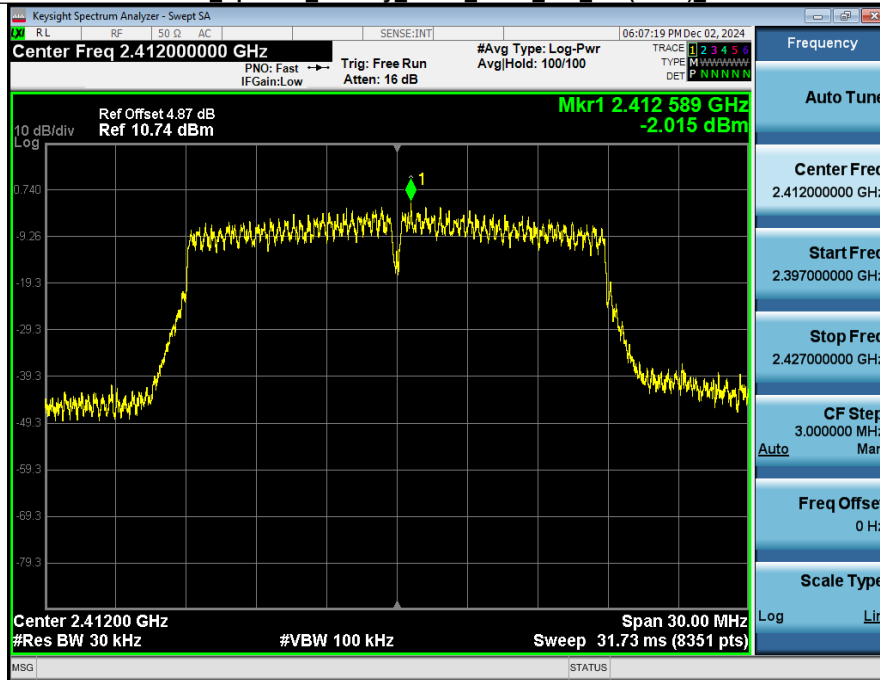
Power Spectral Density NVNT_ANT1_802_11g_2437



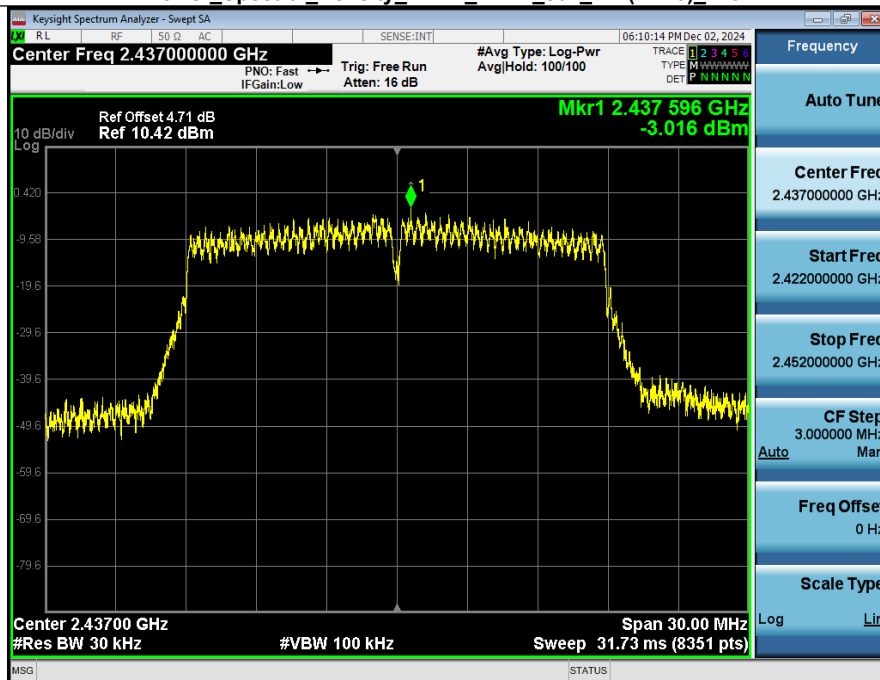
Power Spectral Density_NVNT_ANT1_802_11g_2462



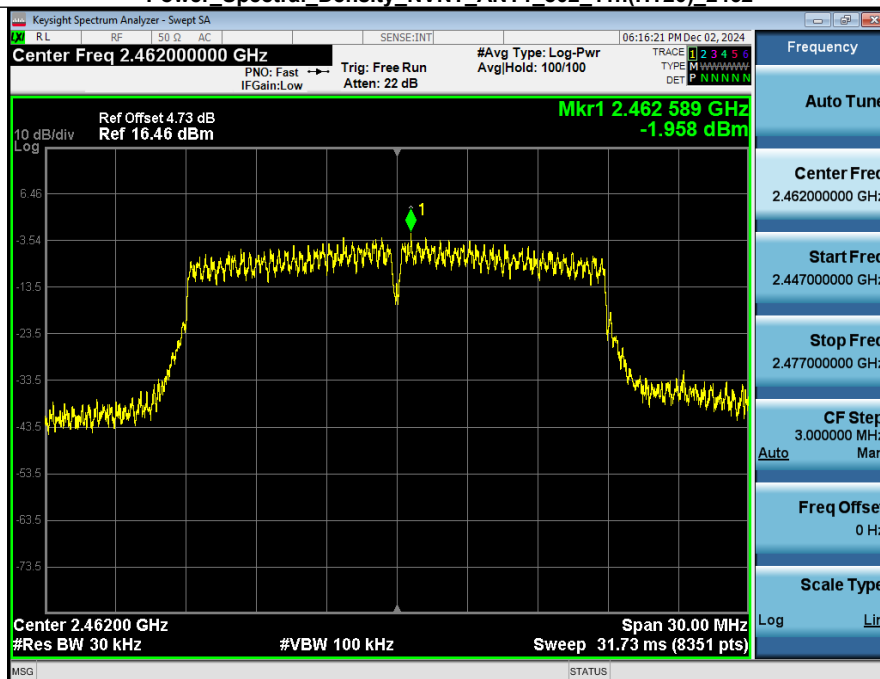
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_2412



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

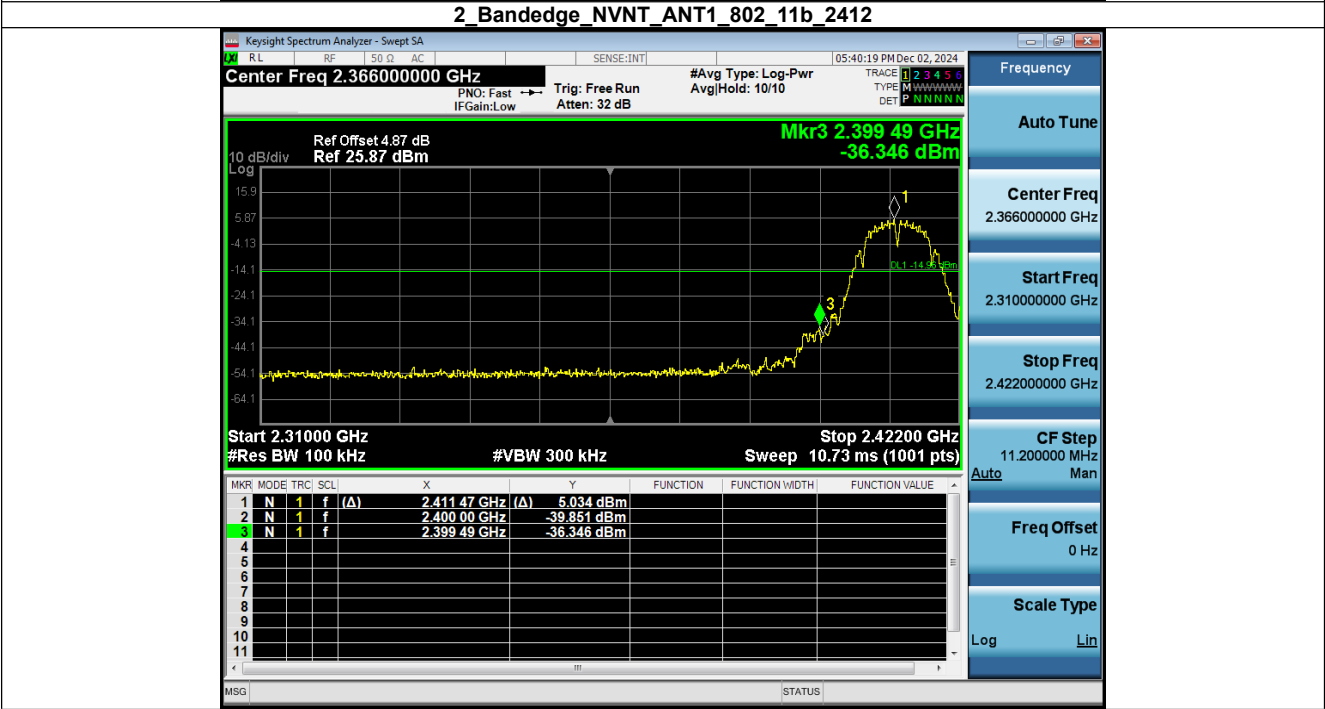


Power Spectral Density_NVNT_ANT1_802_11n(HT40)_2452



6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.488	-36.346	-14.955	Pass
NVNT	ANT1	802.11b	2462.00	2483.536	-46.311	-15.084	Pass
NVNT	ANT1	802.11g	2412.00	2399.600	-30.609	-19.985	Pass
NVNT	ANT1	802.11g	2462.00	2484.784	-38.633	-20.527	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2396.016	-36.861	-20.270	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2484.112	-36.559	-20.223	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2393.424	-33.810	-24.030	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.544	-35.184	-24.359	Pass



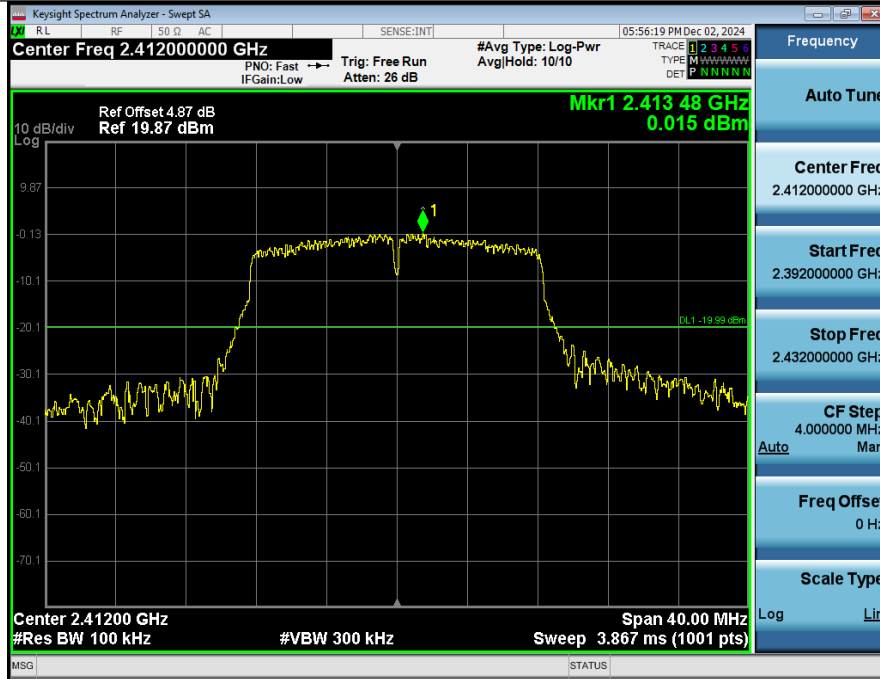
1 Reference Level_NVNT_ANT1_802_11b_2462



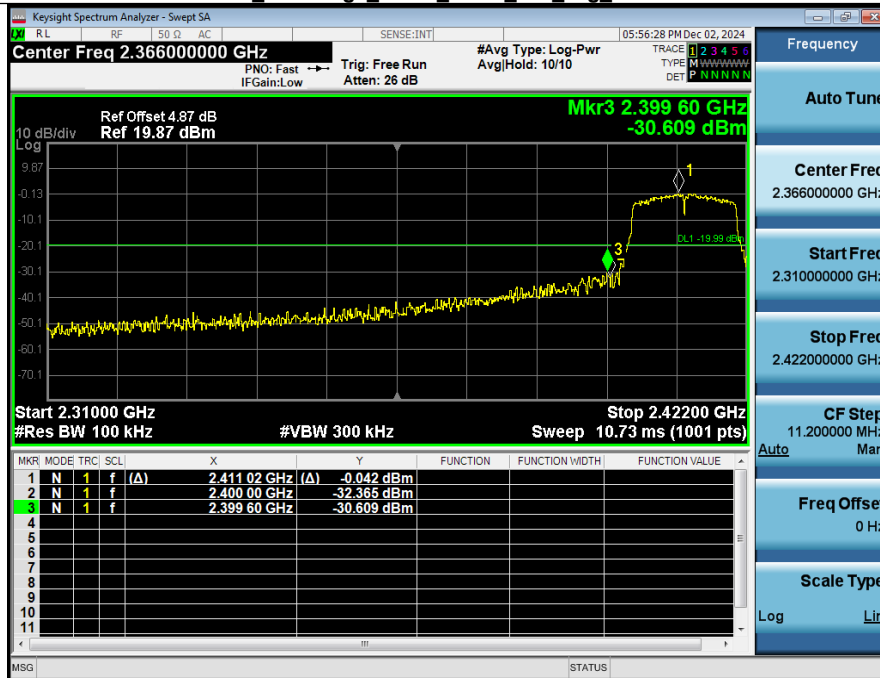
2 Bandedge_NVNT_ANT1_802_11b_2462



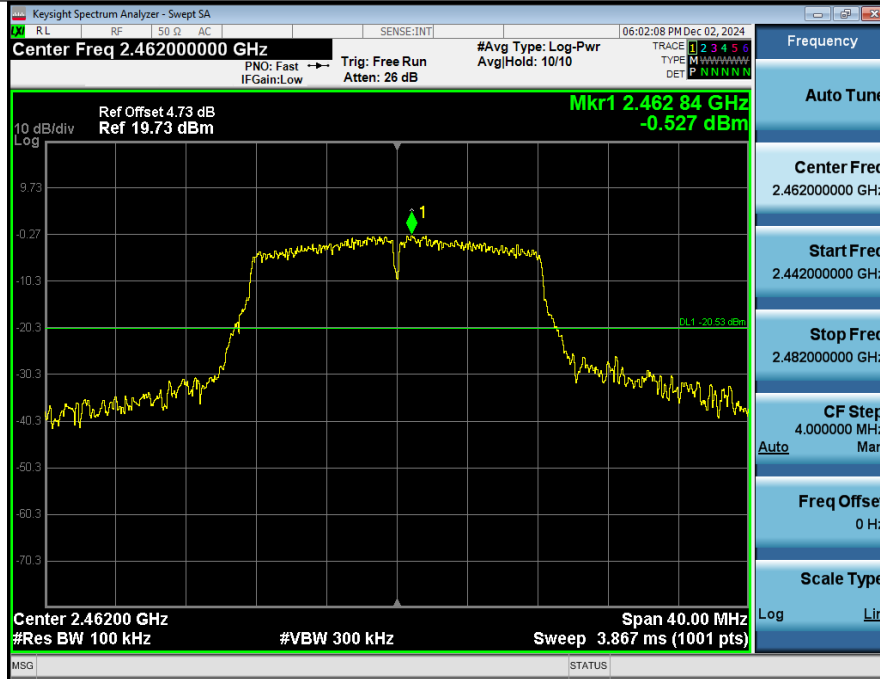
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2 Bandedge_NVNT_ANT1_802_11g_2412



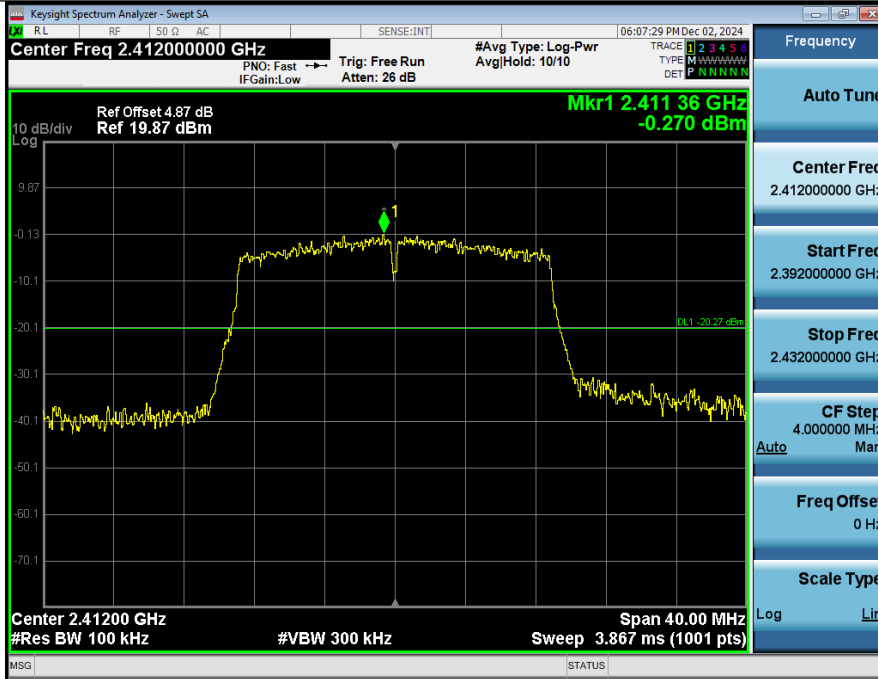
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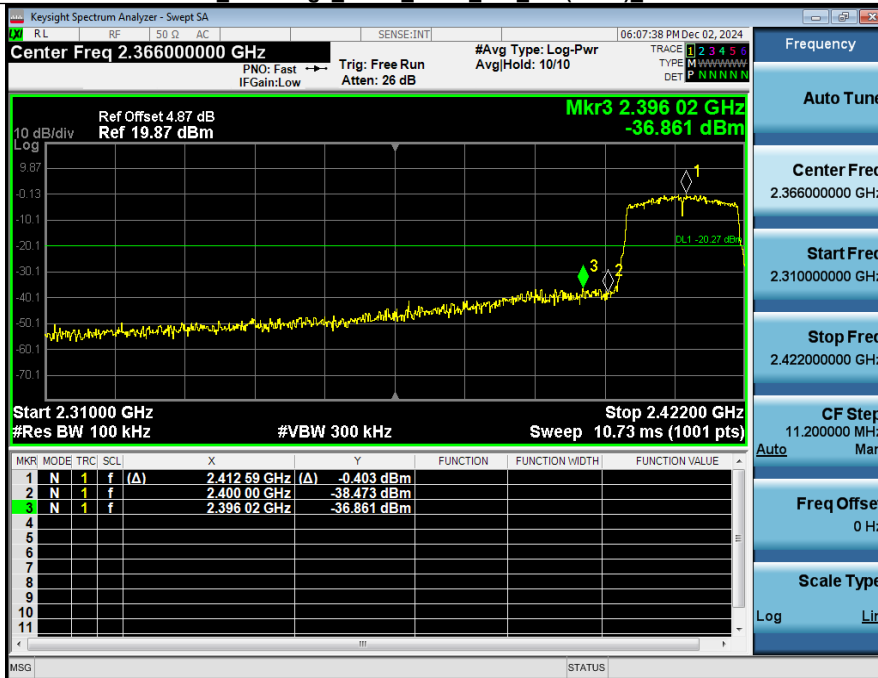
2 Bandedge_NVNT_ANT1_802_11g_2462



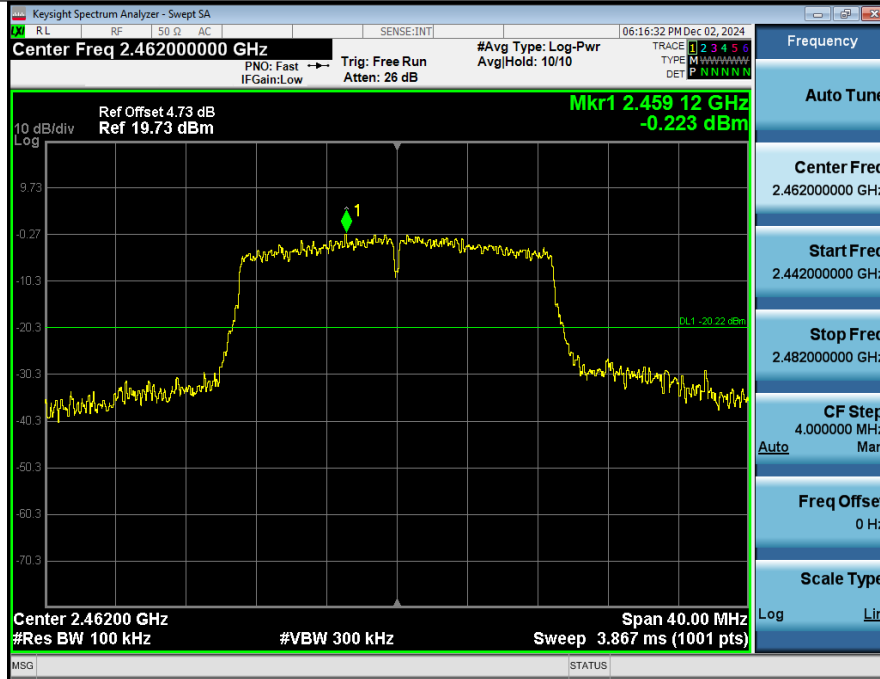
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



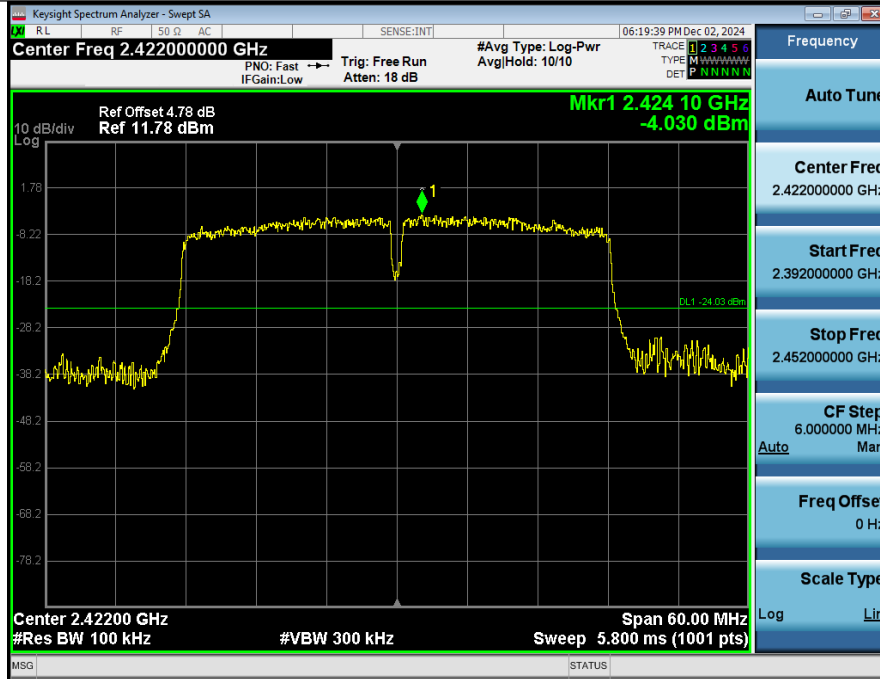
1 Reference Level_NVNT_ANT1_802_11n(HT20)_2462



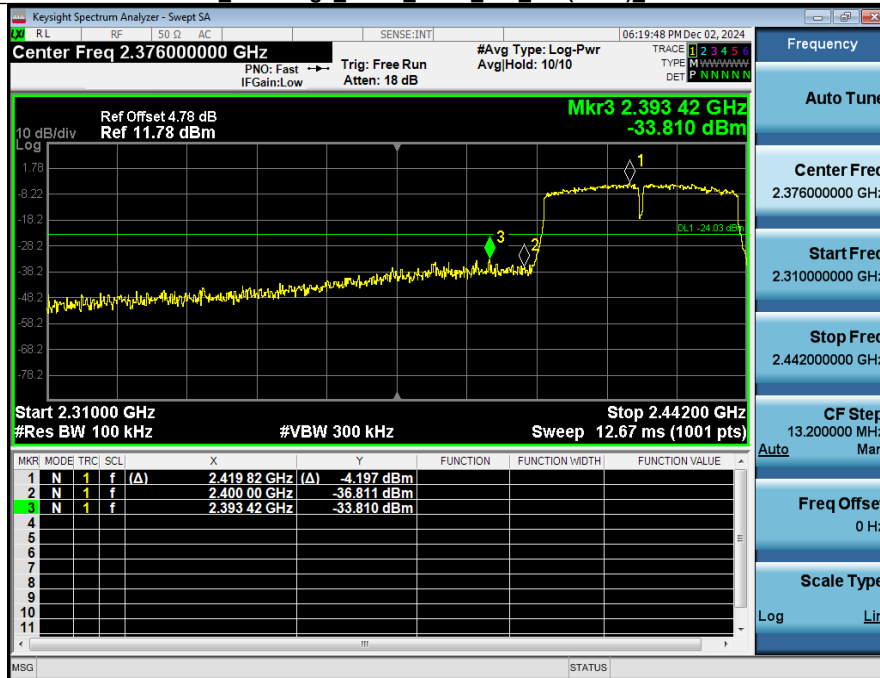
2 Bandedge_NVNT_ANT1_802_11n(HT20)_2462



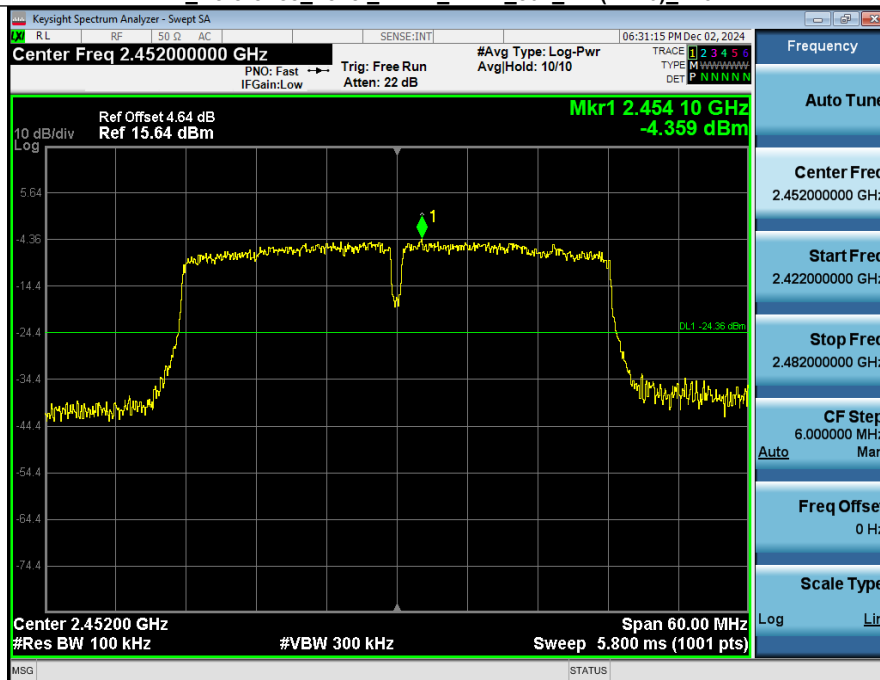
1 Reference Level_NVNT_ANT1_802_11n(HT40)_2422



2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level_NVNT_ANT1_802_11n(HT40)_2452

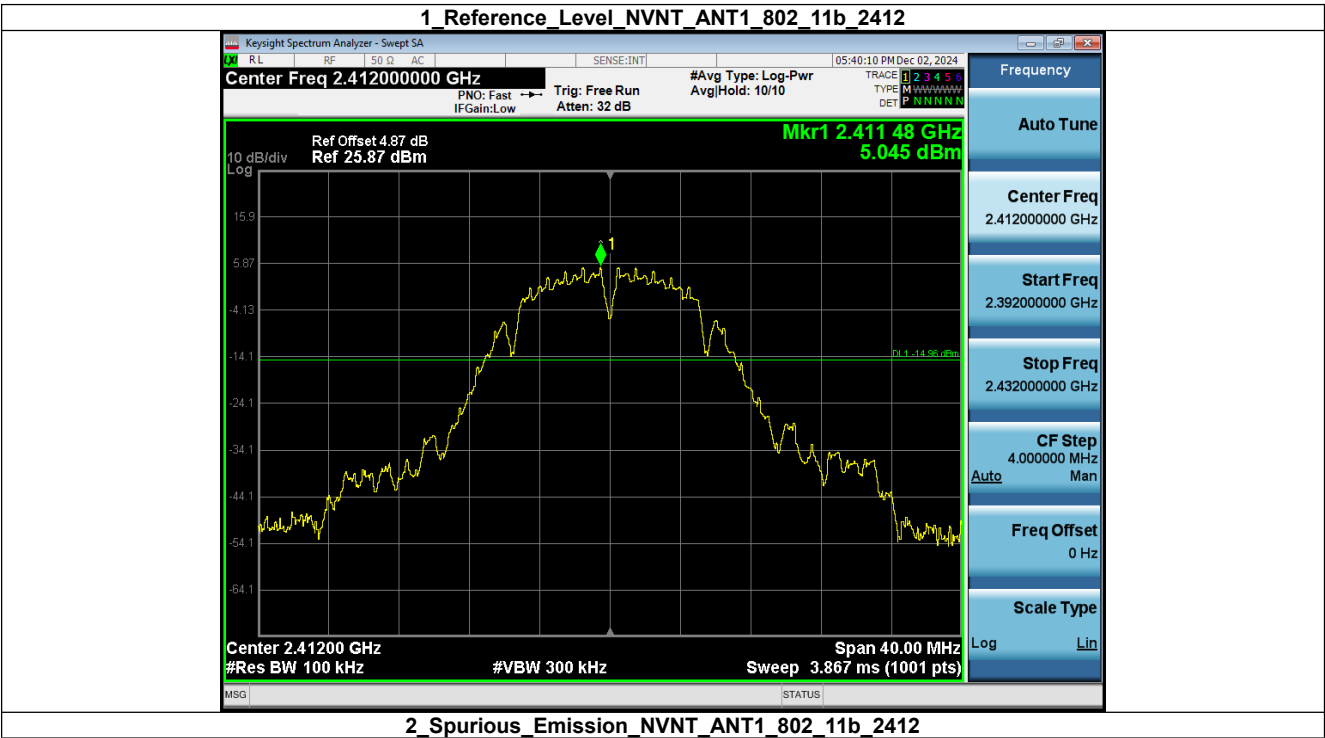


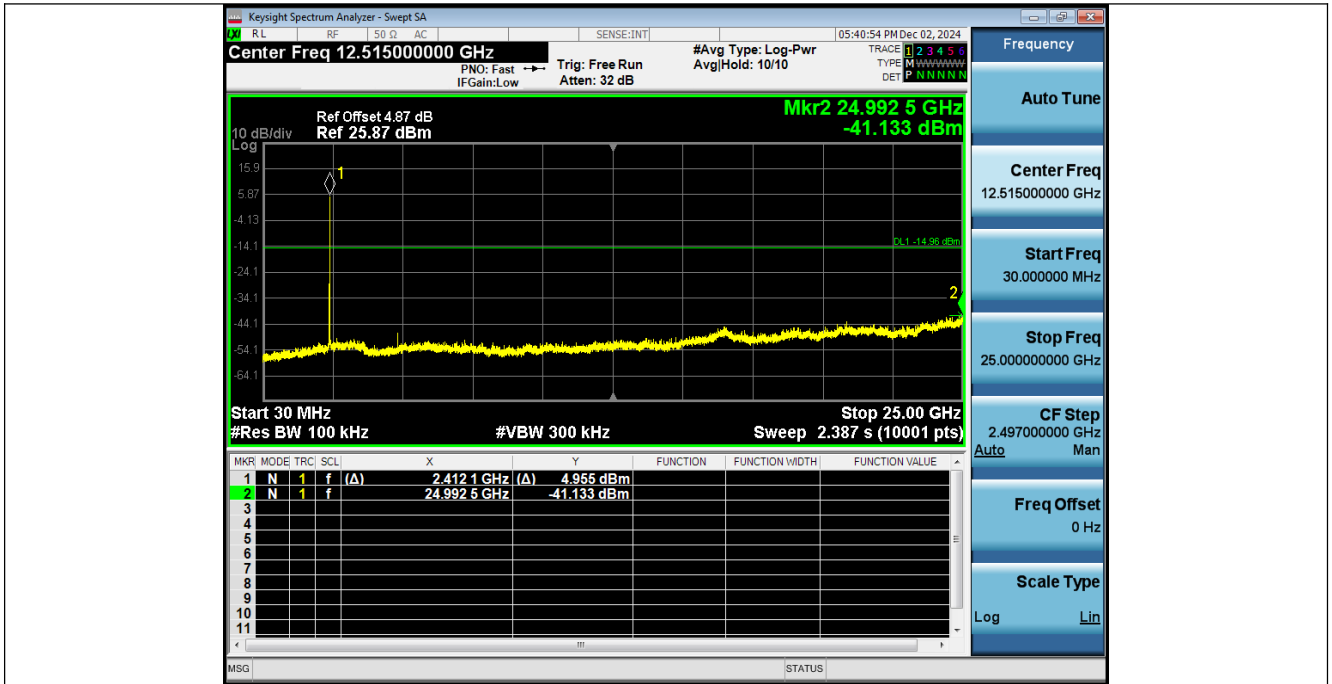
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2452



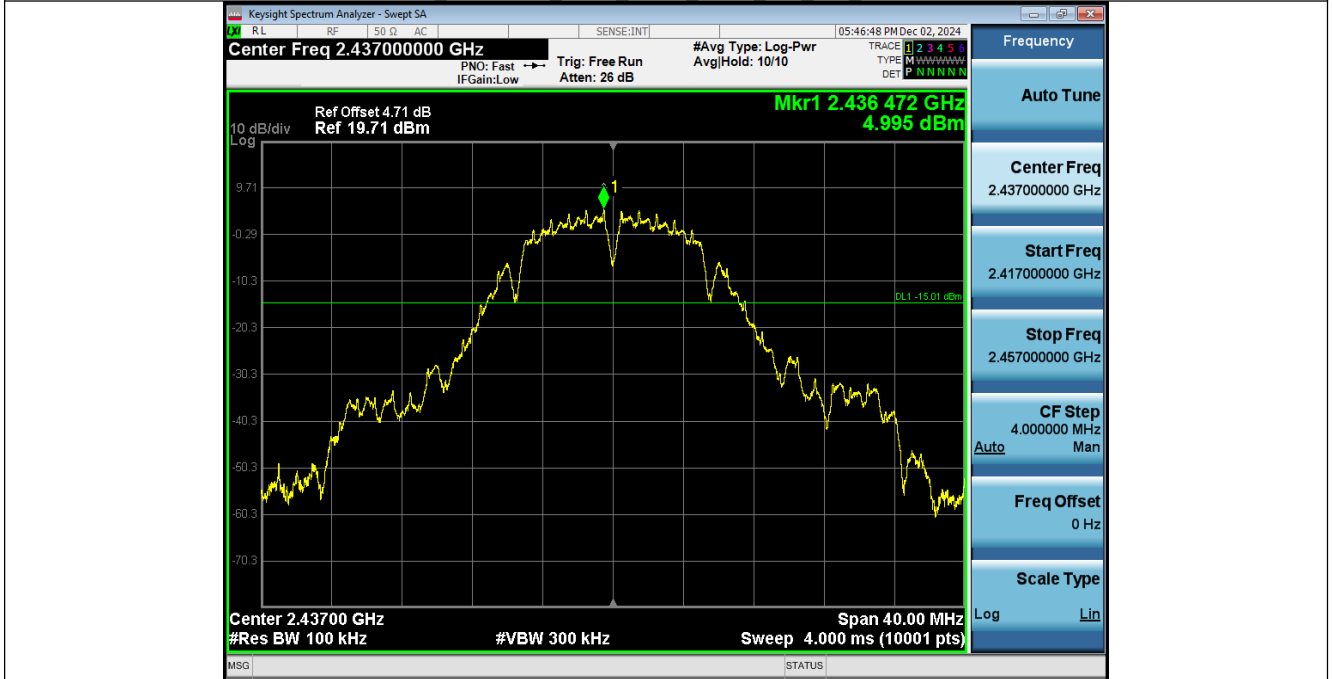
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency(MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24992.509	-41.133	-14.955	Pass
NVNT	ANT1	802.11b	2437.00	24925.090	-46.983	-15.005	Pass
NVNT	ANT1	802.11b	2462.00	24940.072	-47.175	-15.084	Pass
NVNT	ANT1	802.11g	2412.00	24972.533	-44.902	-19.985	Pass
NVNT	ANT1	802.11g	2437.00	24985.018	-46.459	-20.023	Pass
NVNT	ANT1	802.11g	2462.00	24952.557	-46.736	-20.527	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24912.605	-46.040	-20.270	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2517.012	-56.113	-21.103	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24867.659	-46.843	-20.223	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2509.521	-45.432	-24.030	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	2502.030	-45.183	-24.288	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2504.527	-41.652	-24.359	Pass

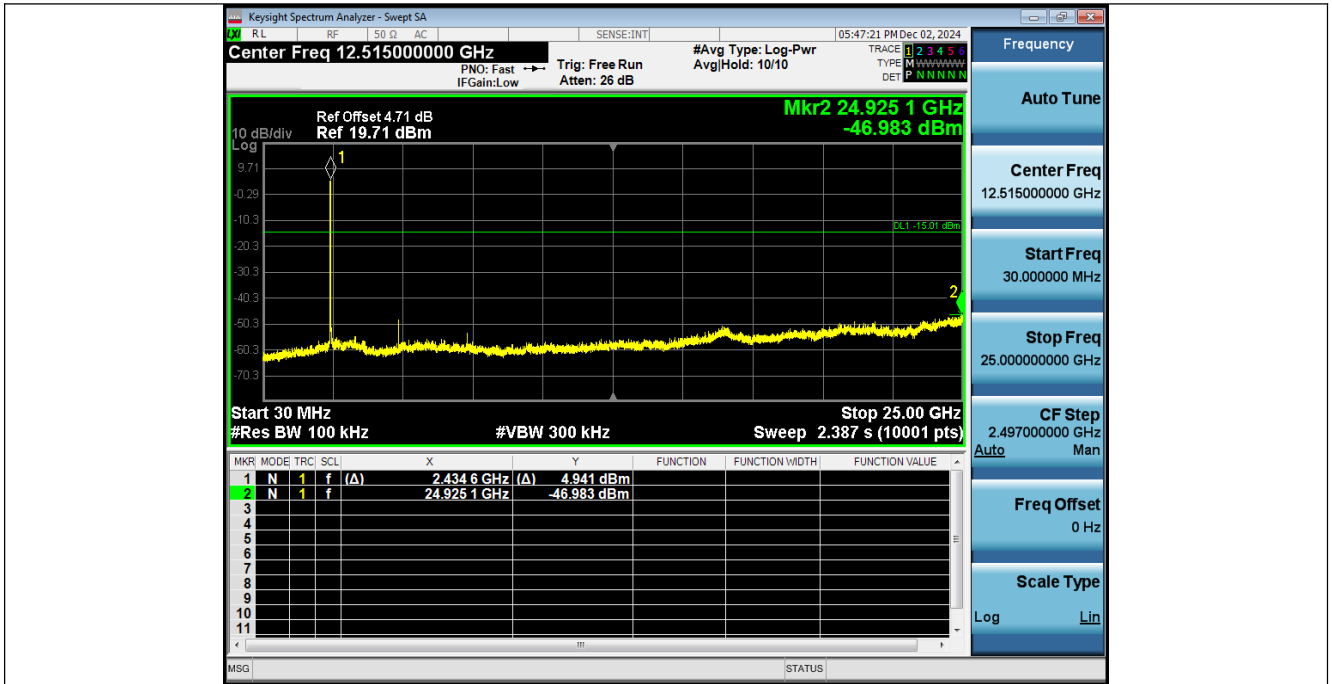




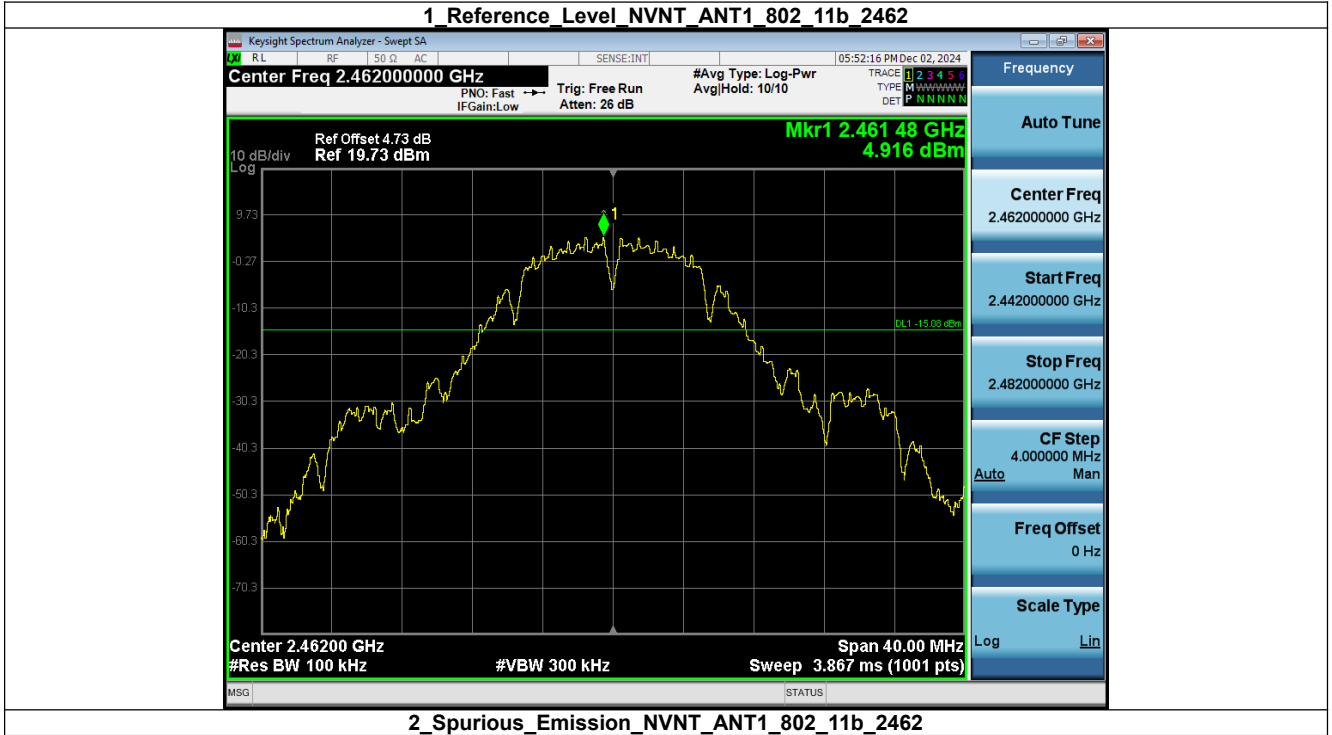
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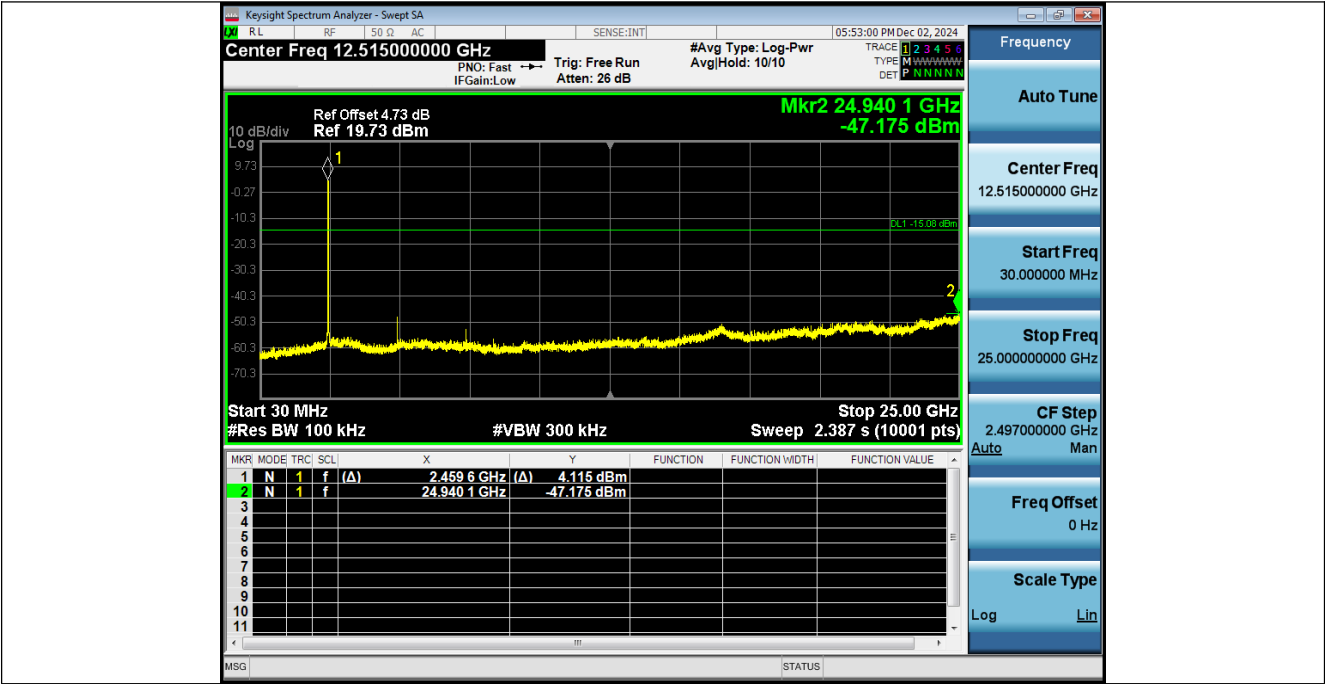
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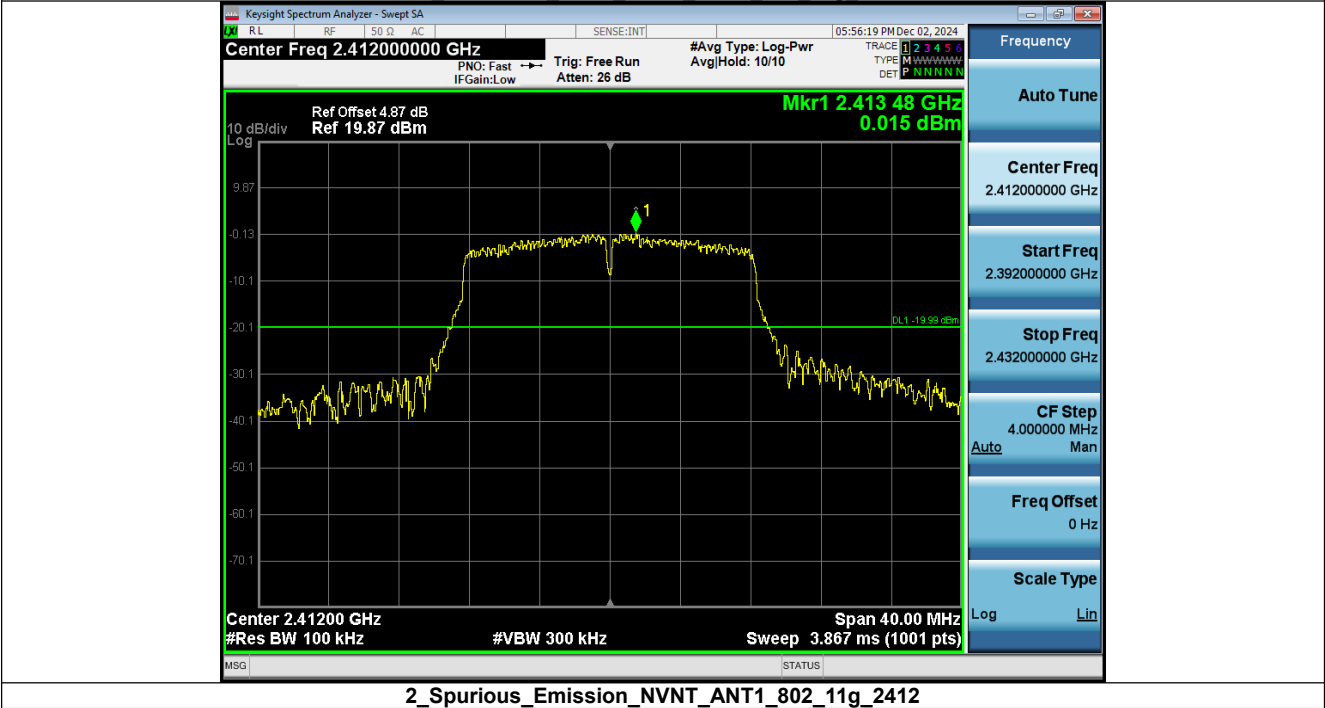
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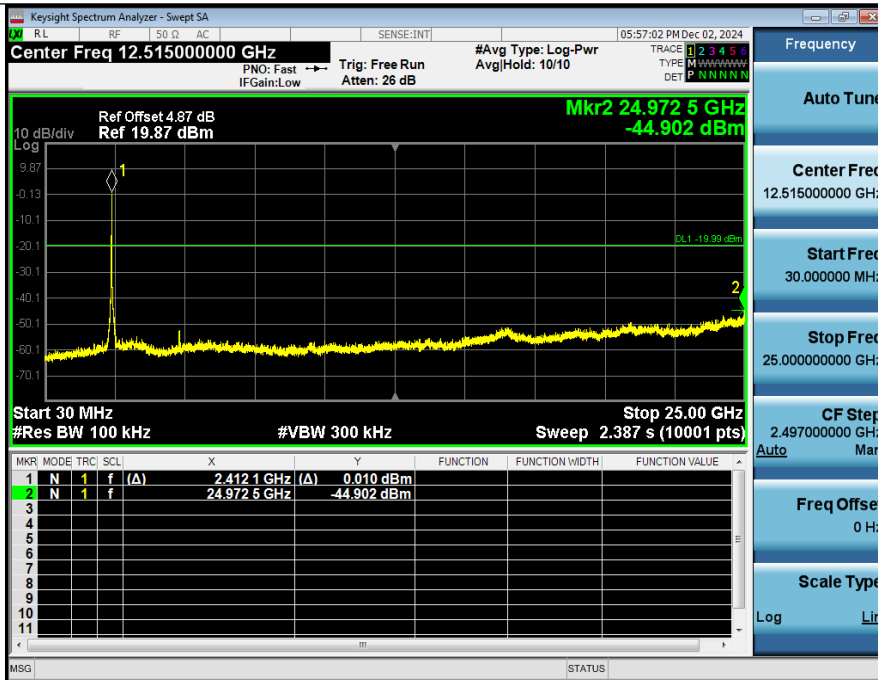
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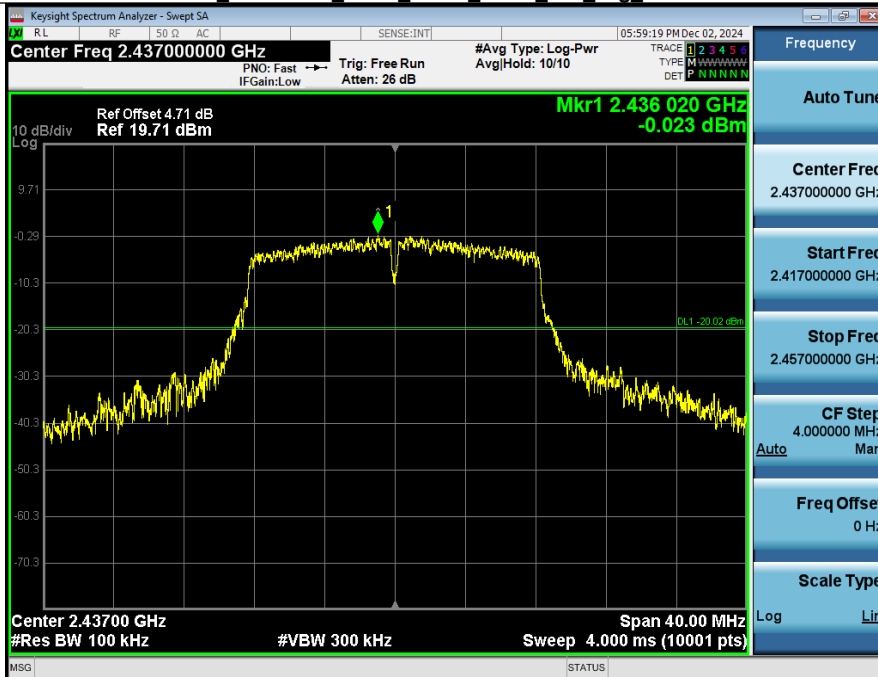
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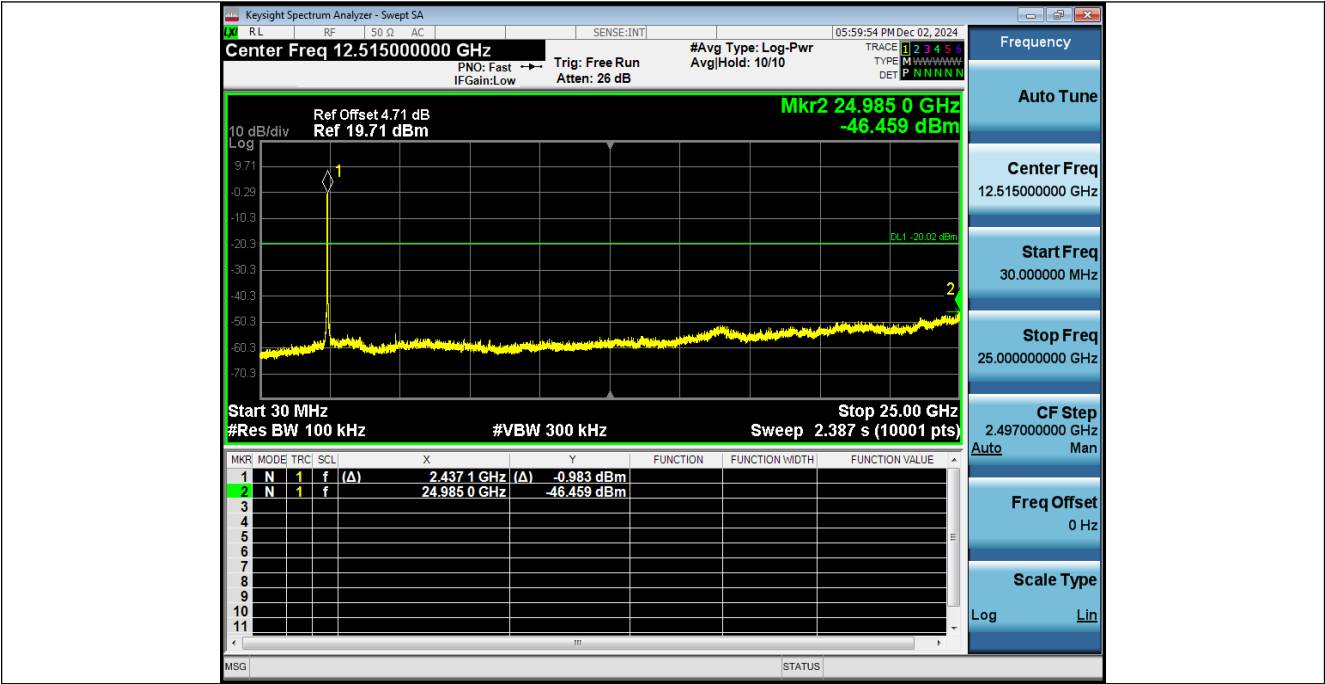
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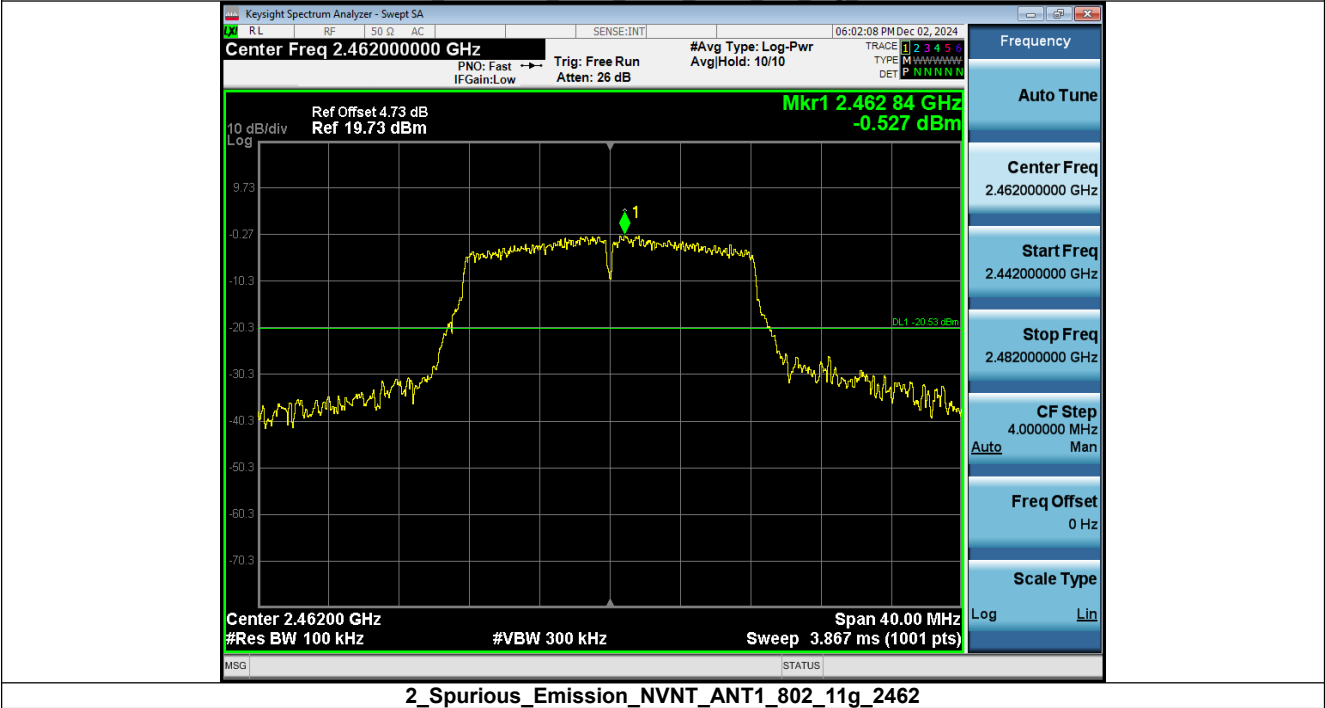
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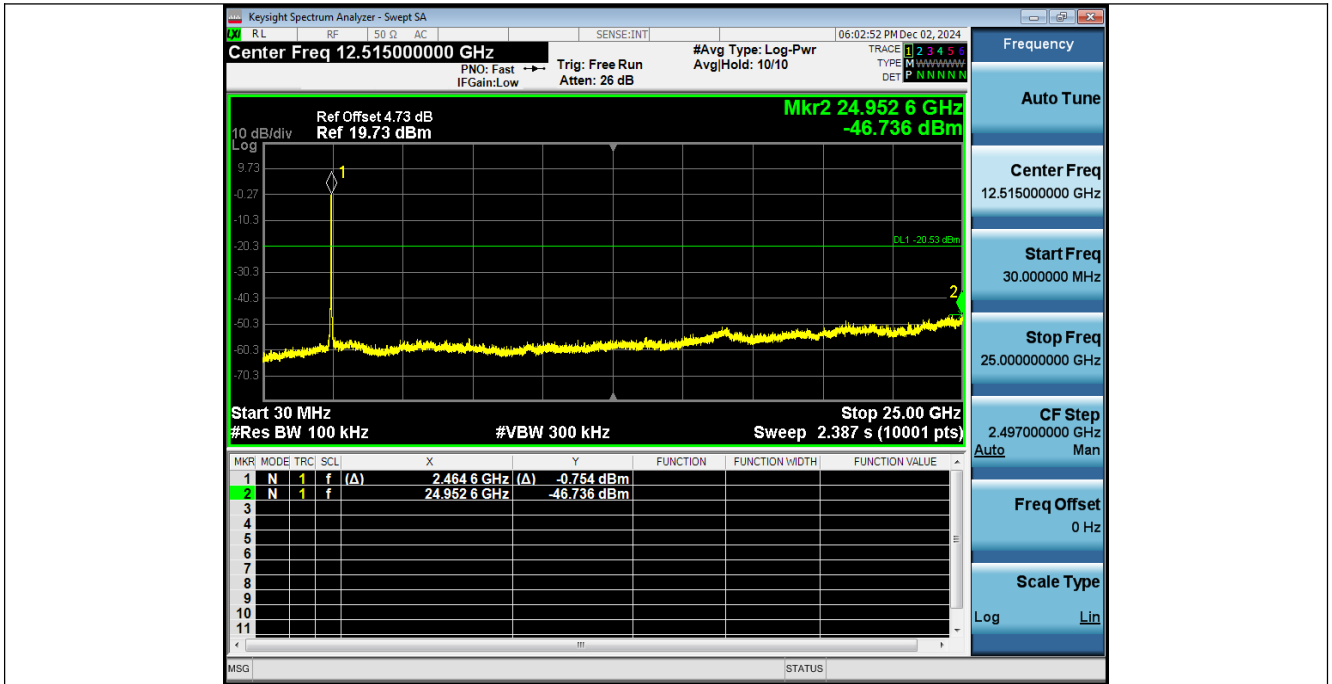
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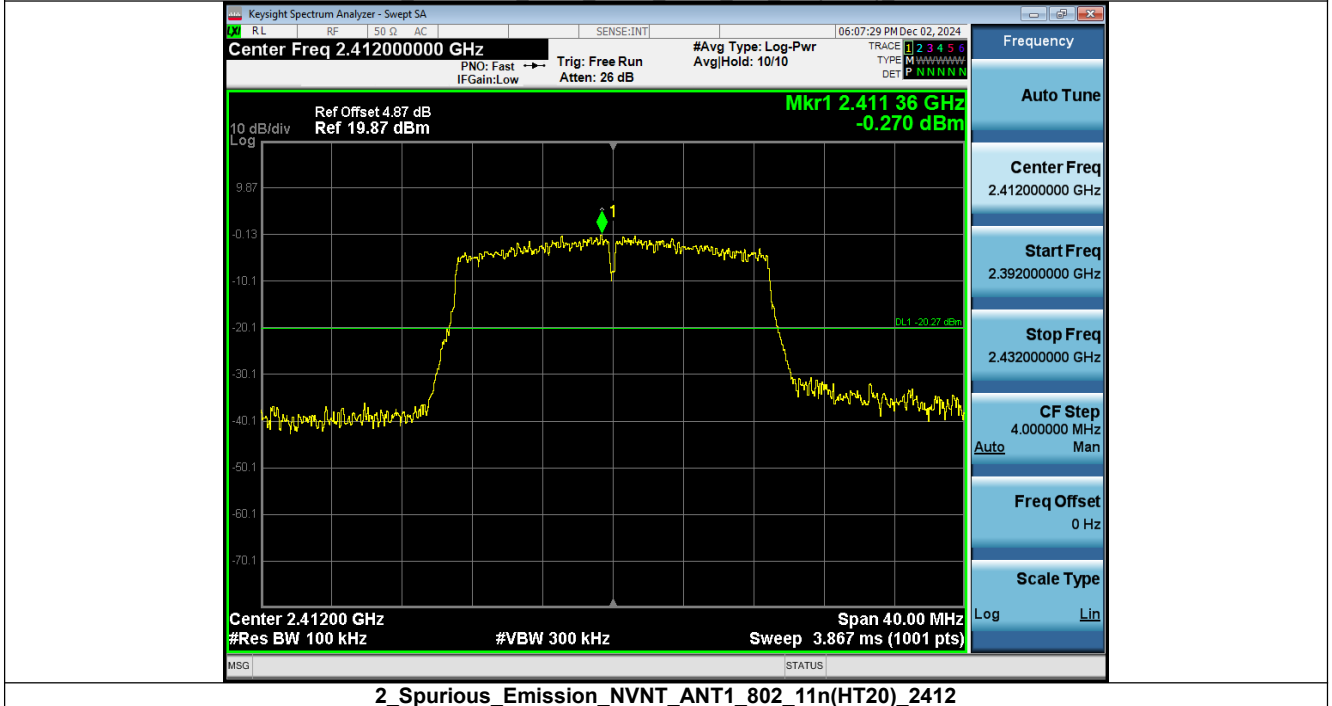
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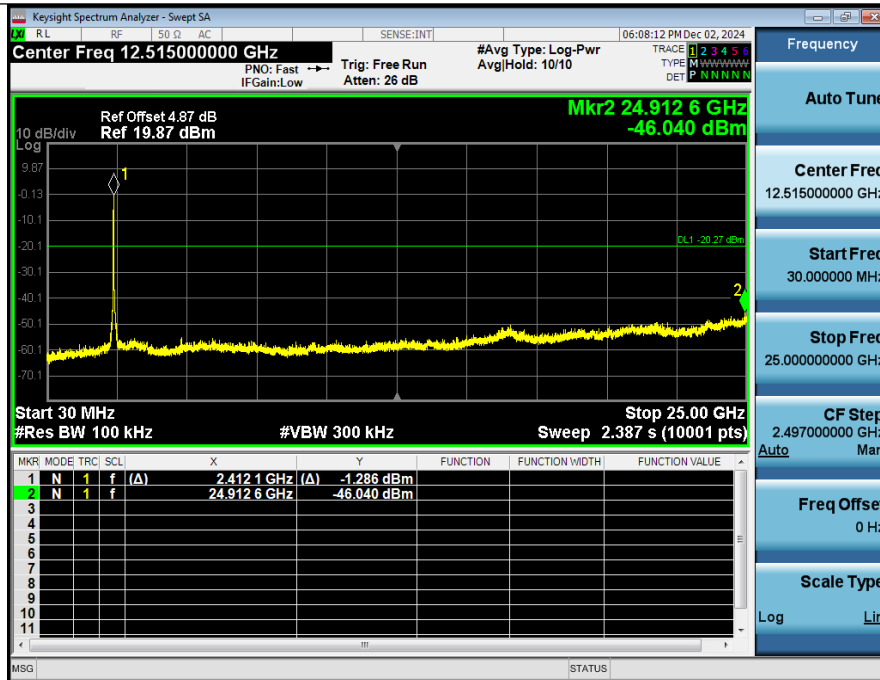
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1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



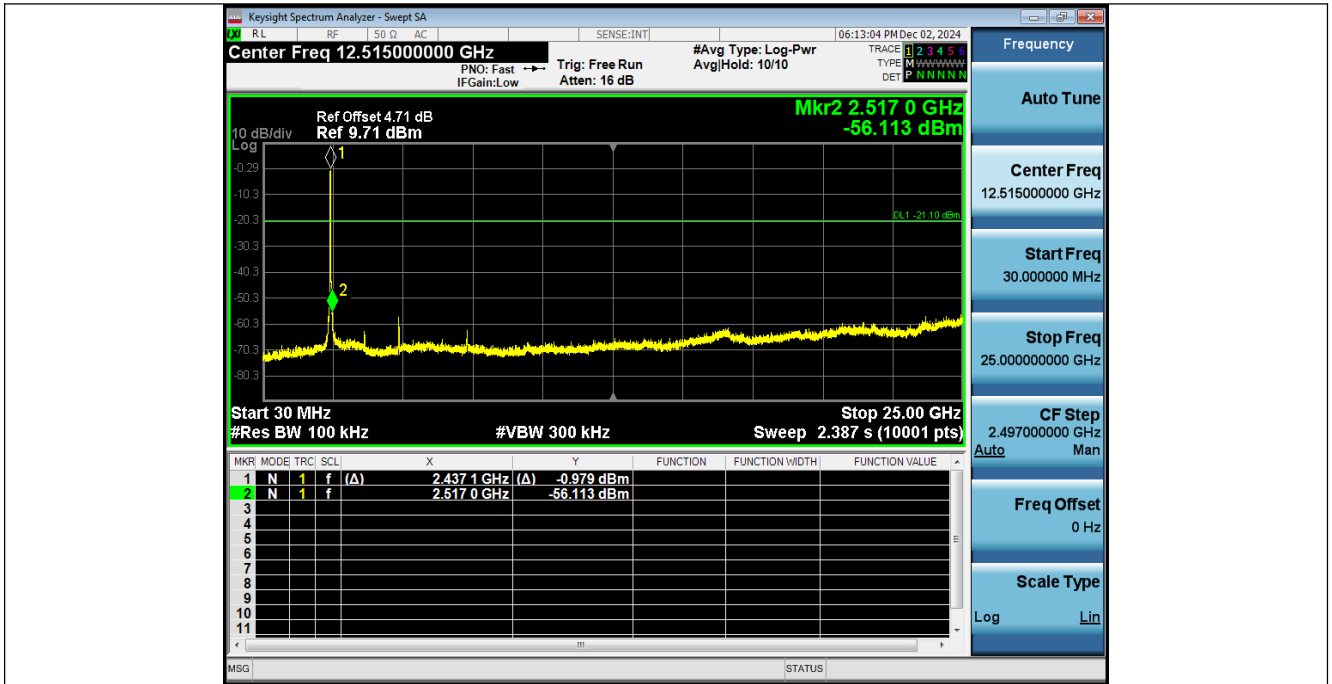
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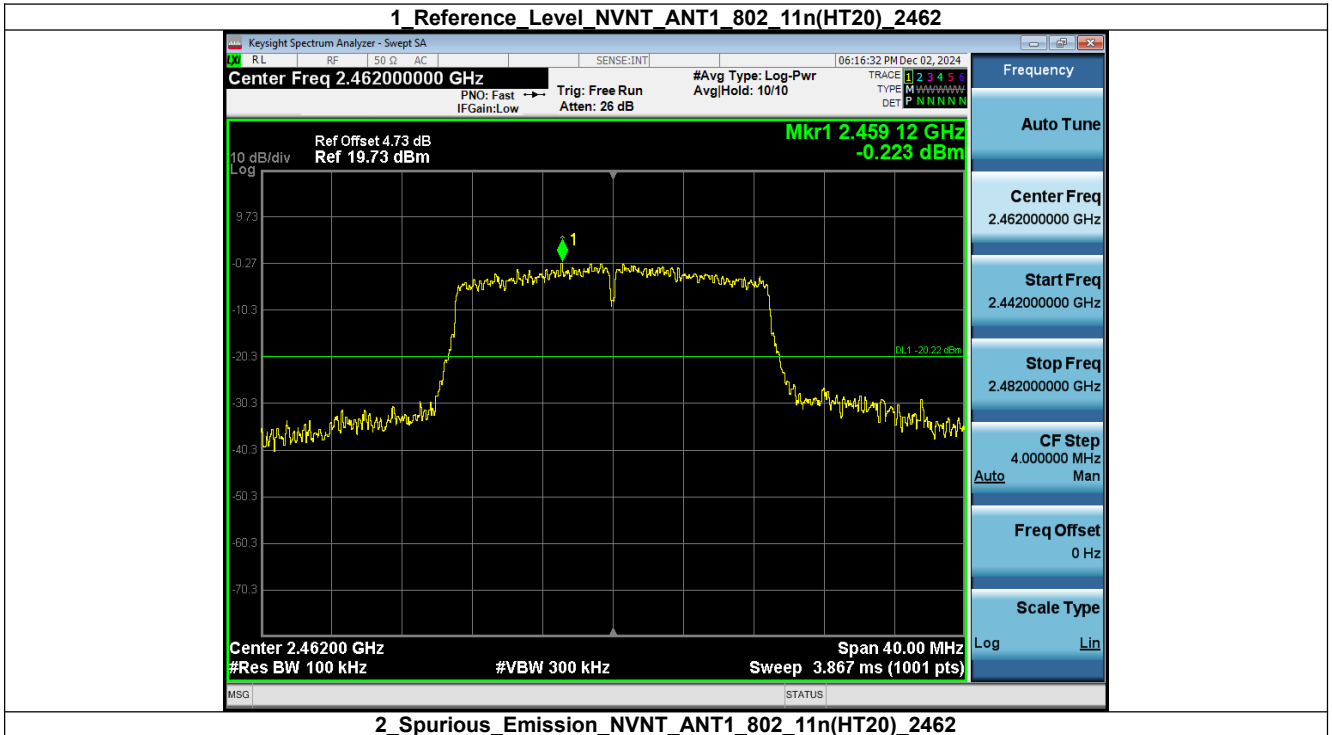
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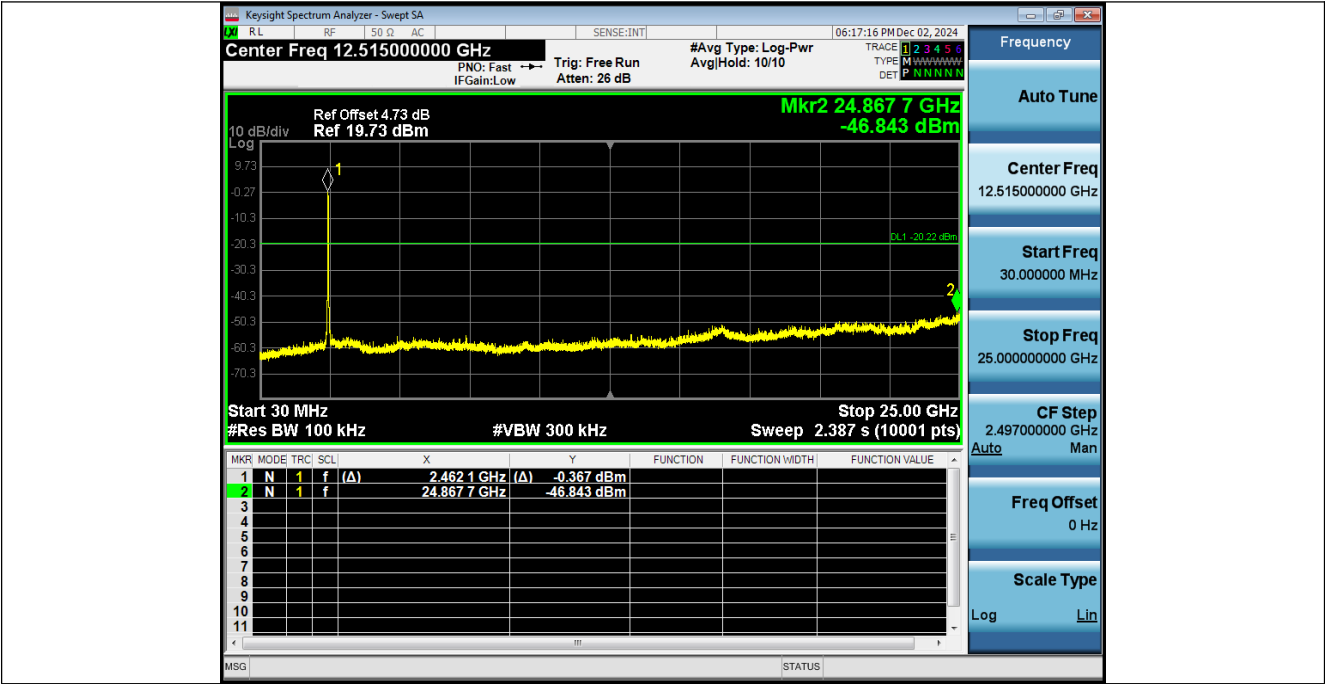
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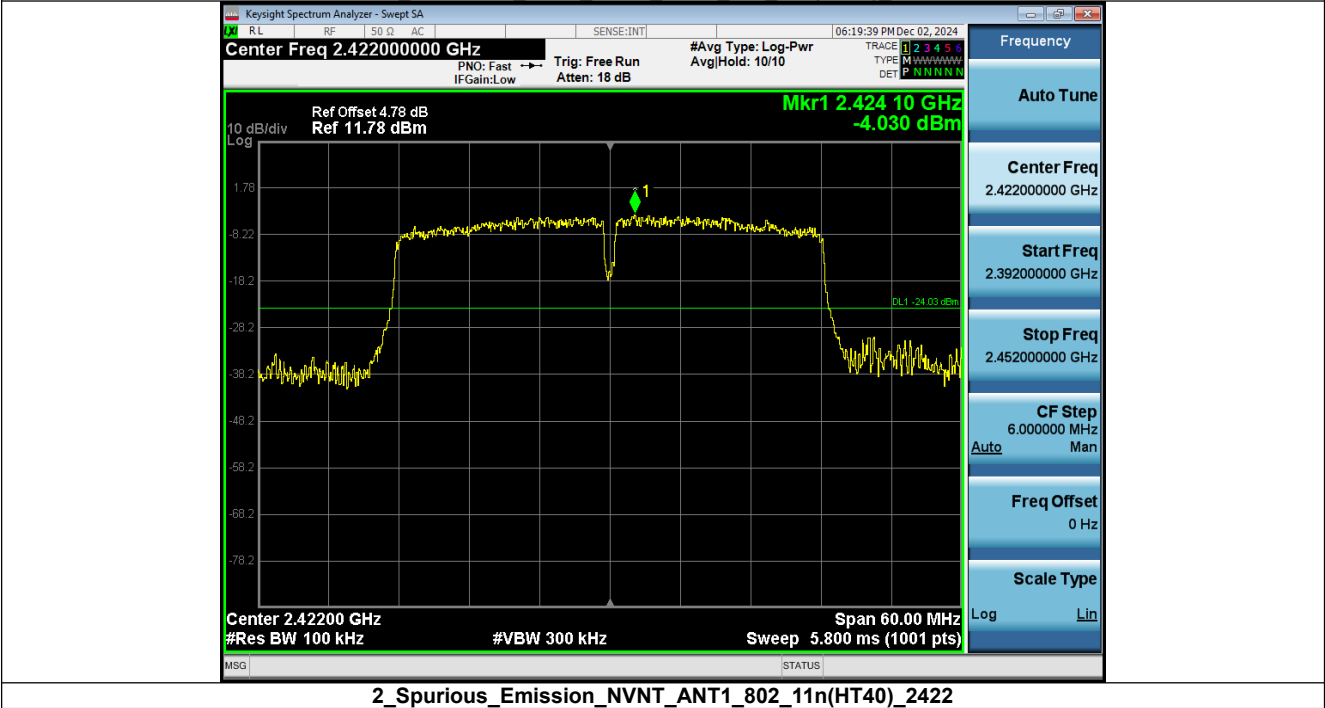
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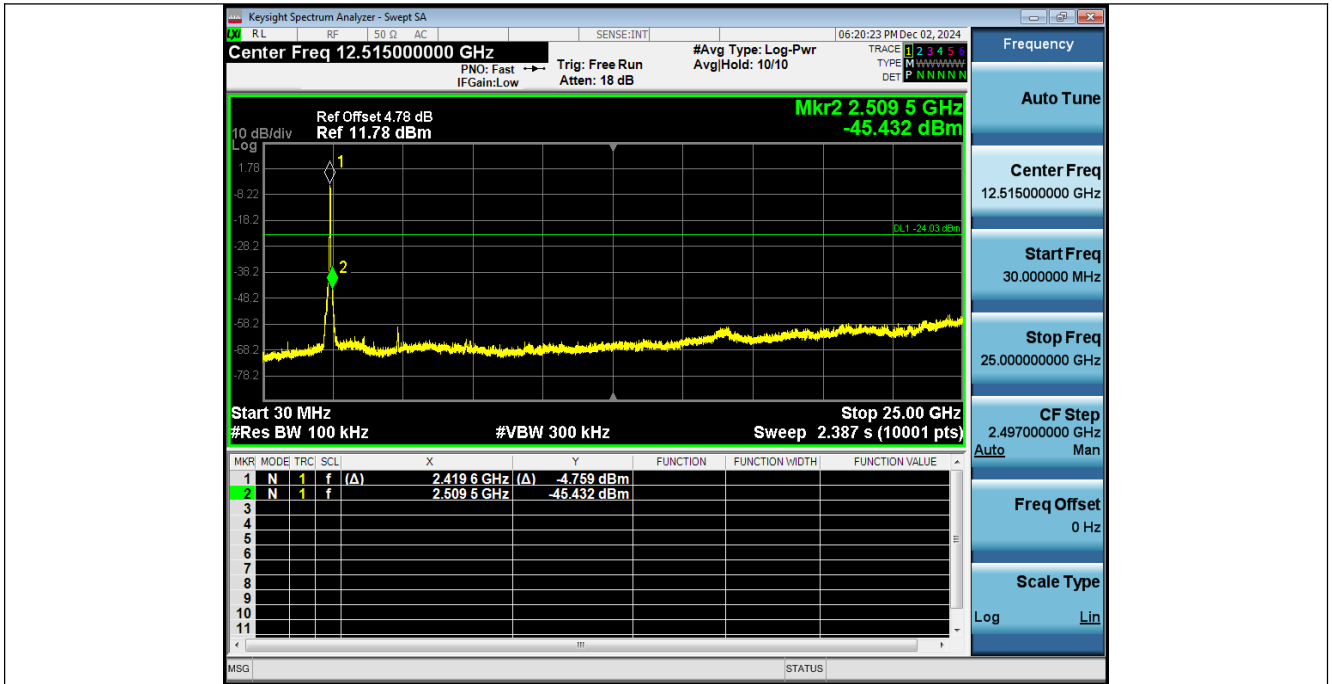
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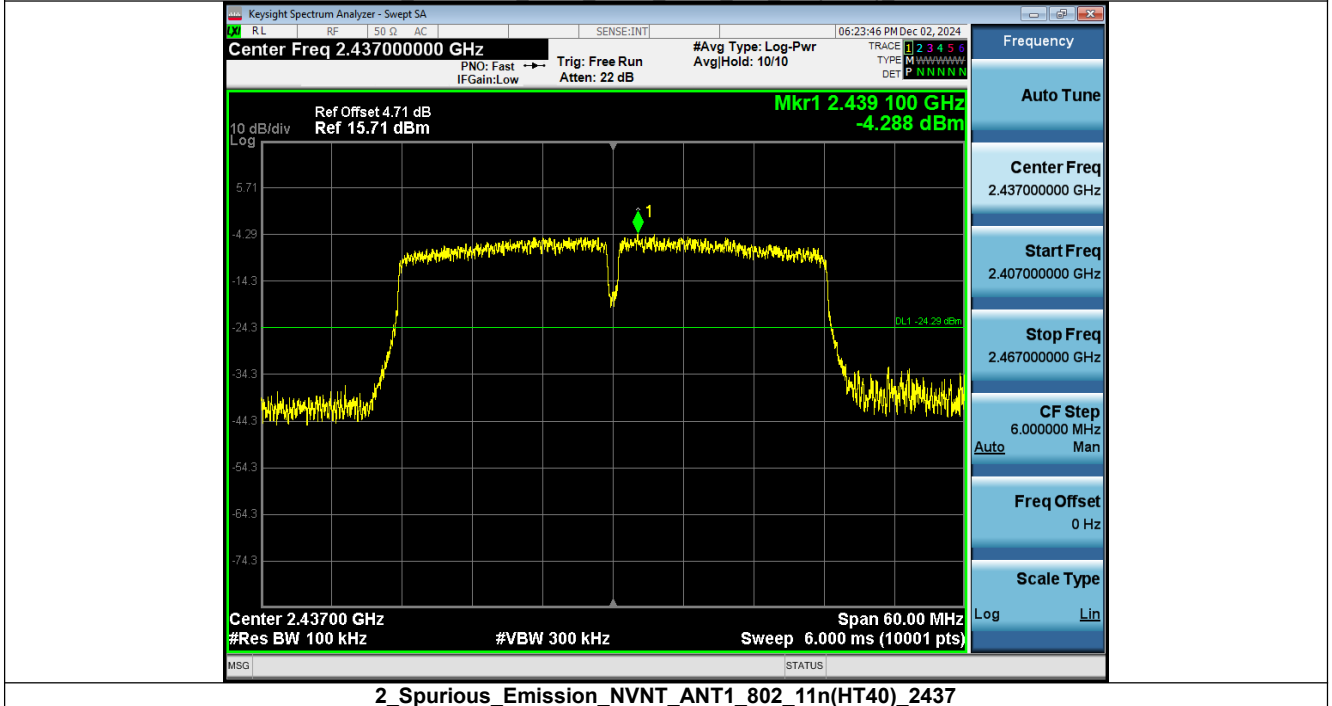
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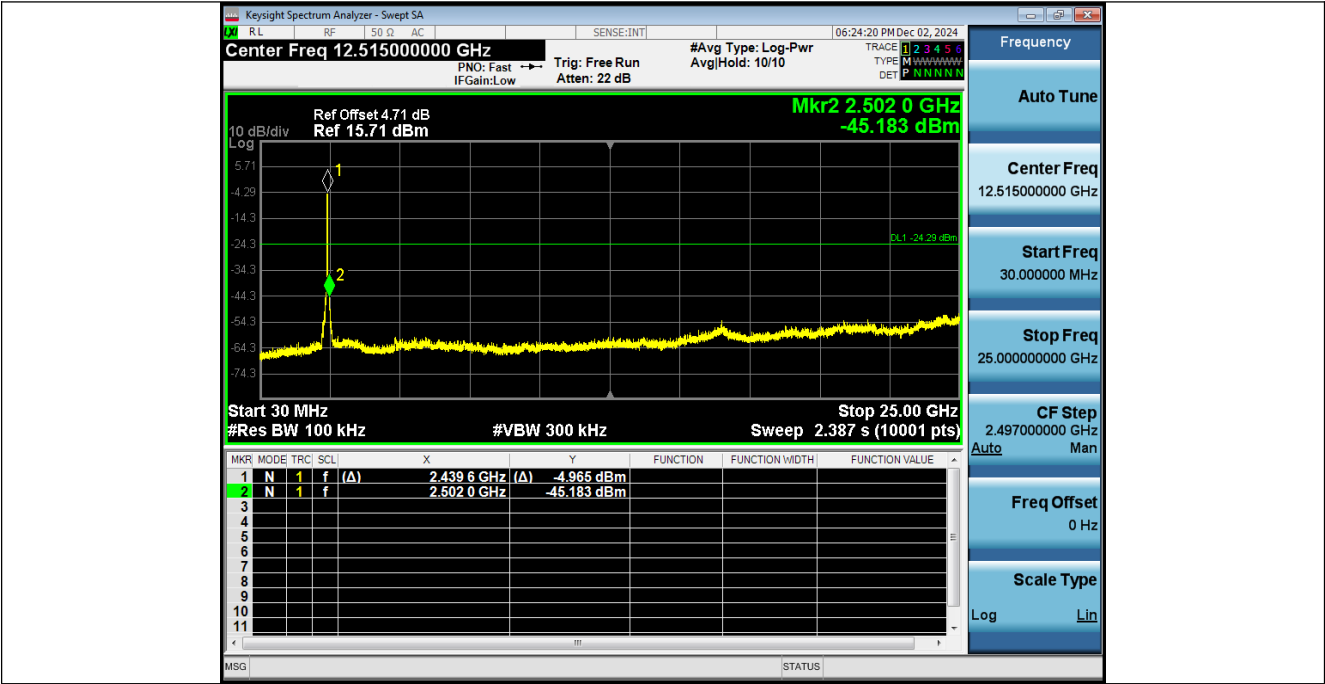
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1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

