

Table of Contents

1. -6dB Bandwidth	2
2. 99% Occupied Bandwidth	12
3. Duty Cycle	22
4. MAX. Output Power	32
5. Power Spectral Density	42
6. Bandedge	52
7. Spurious Emission	65

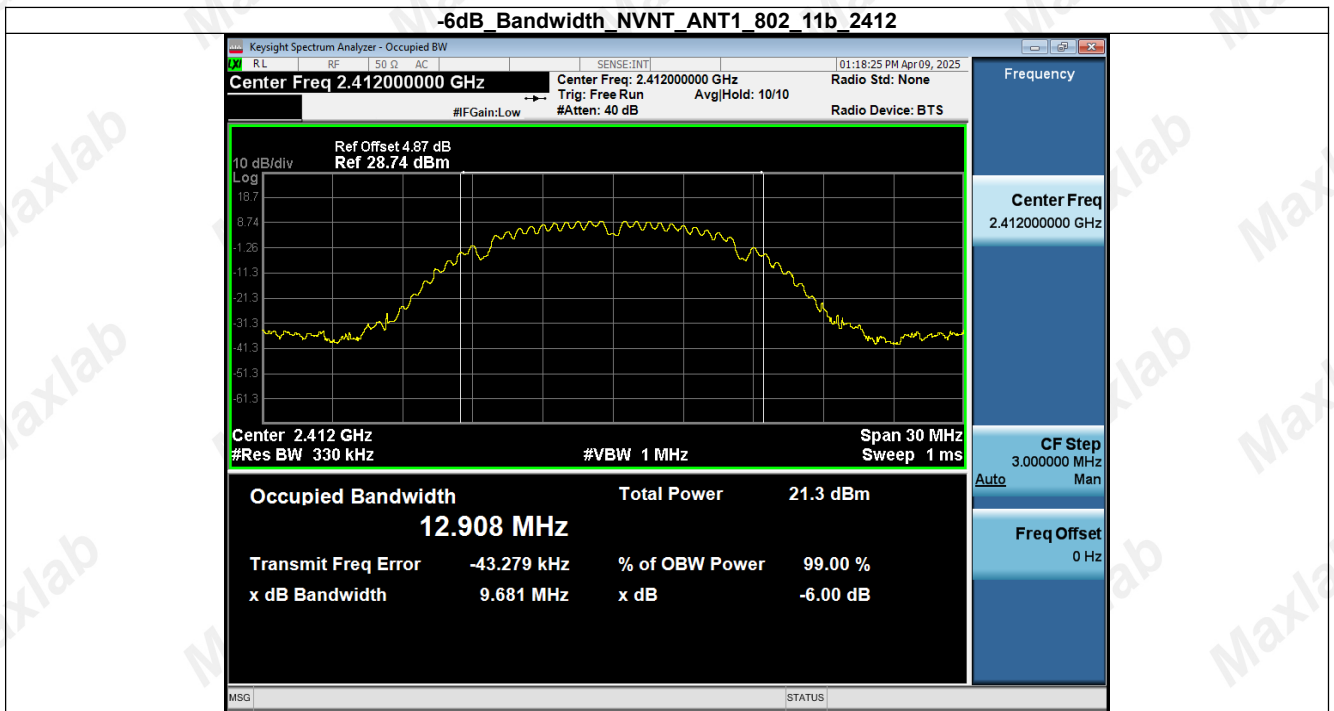
Report No.:MAX250331810P01-R03

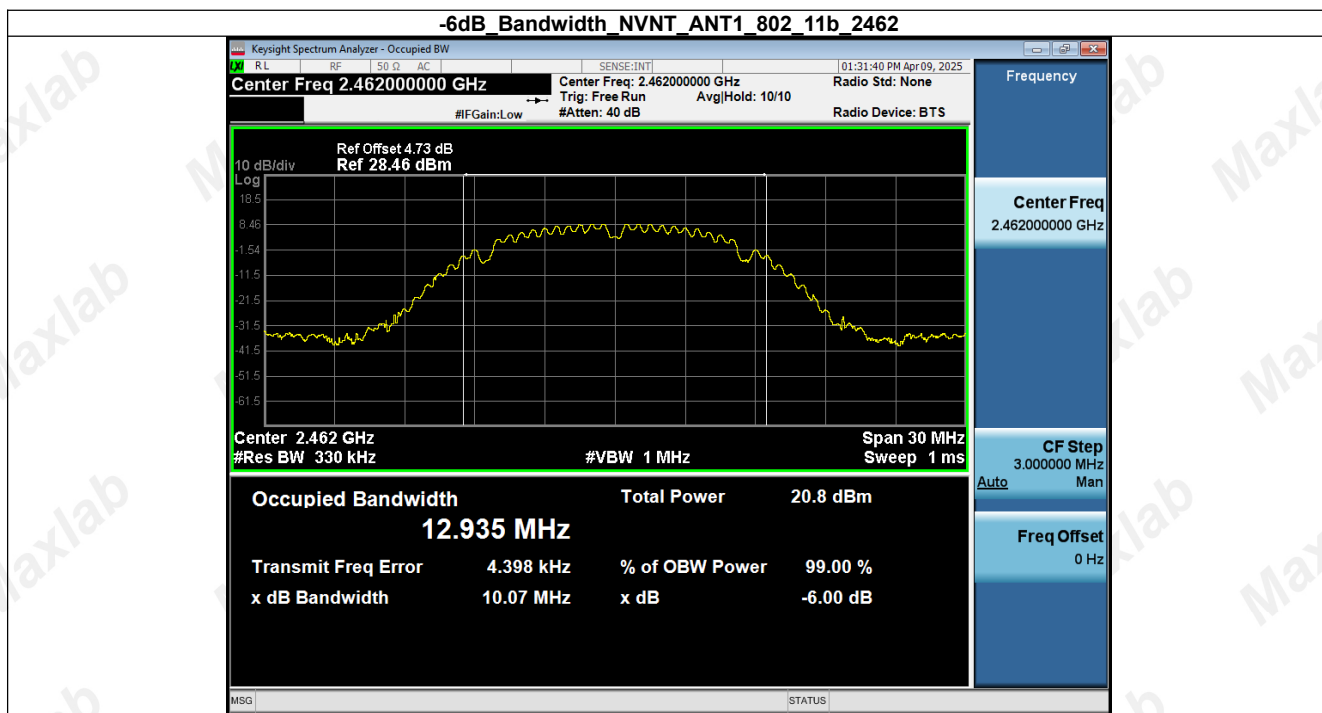
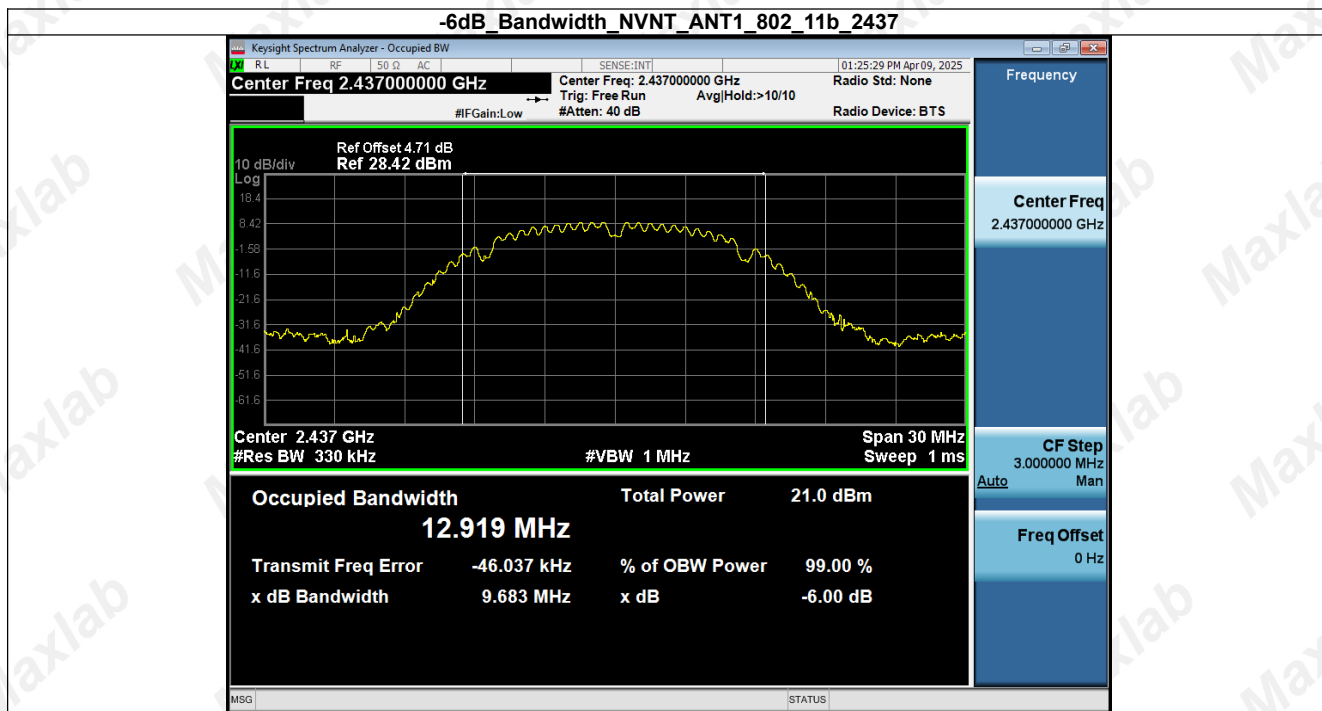
FCC ID:2A3DJ-L1

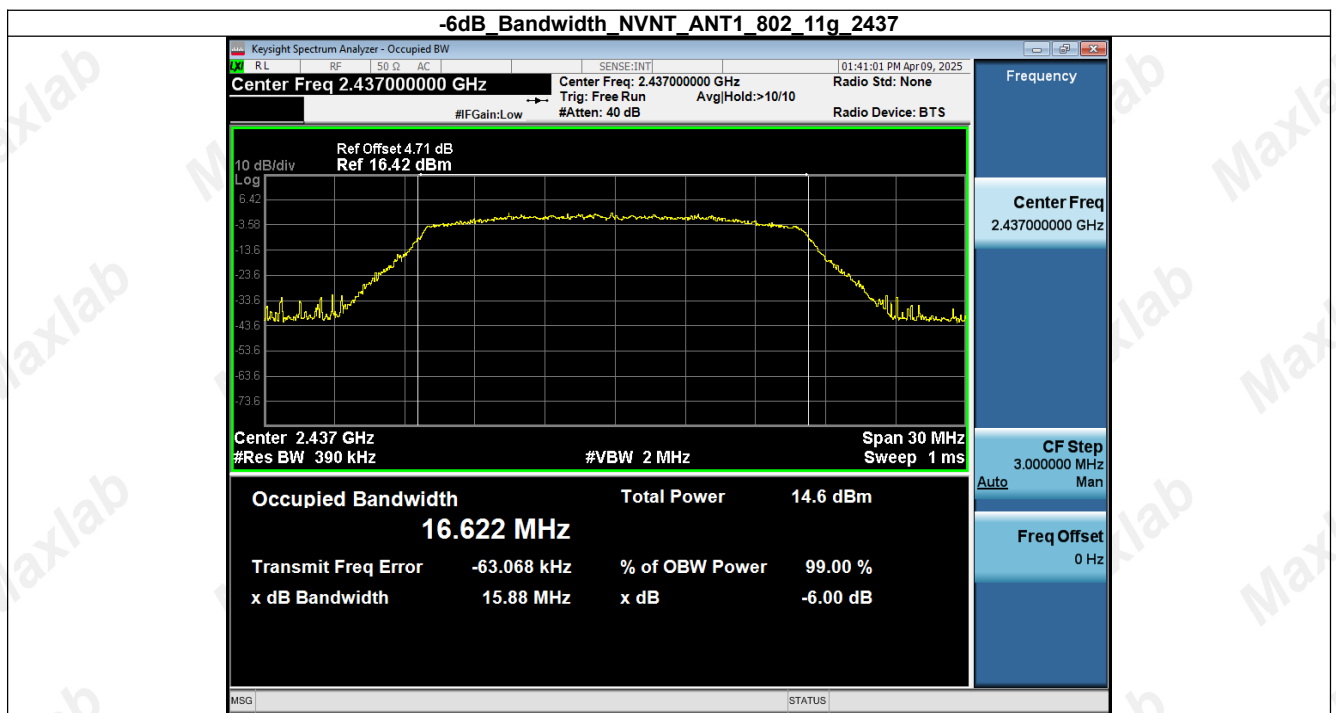
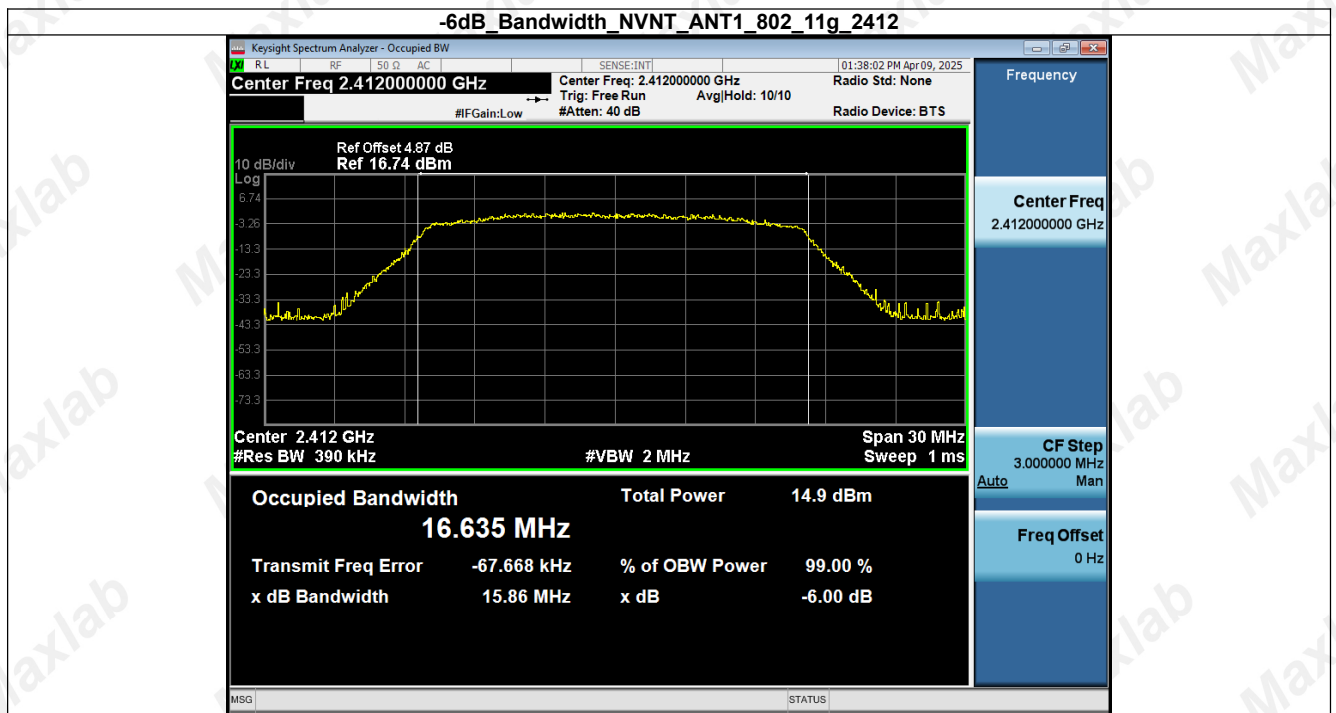
FCC_2.4G_WIFI (Part15.247) Test Data

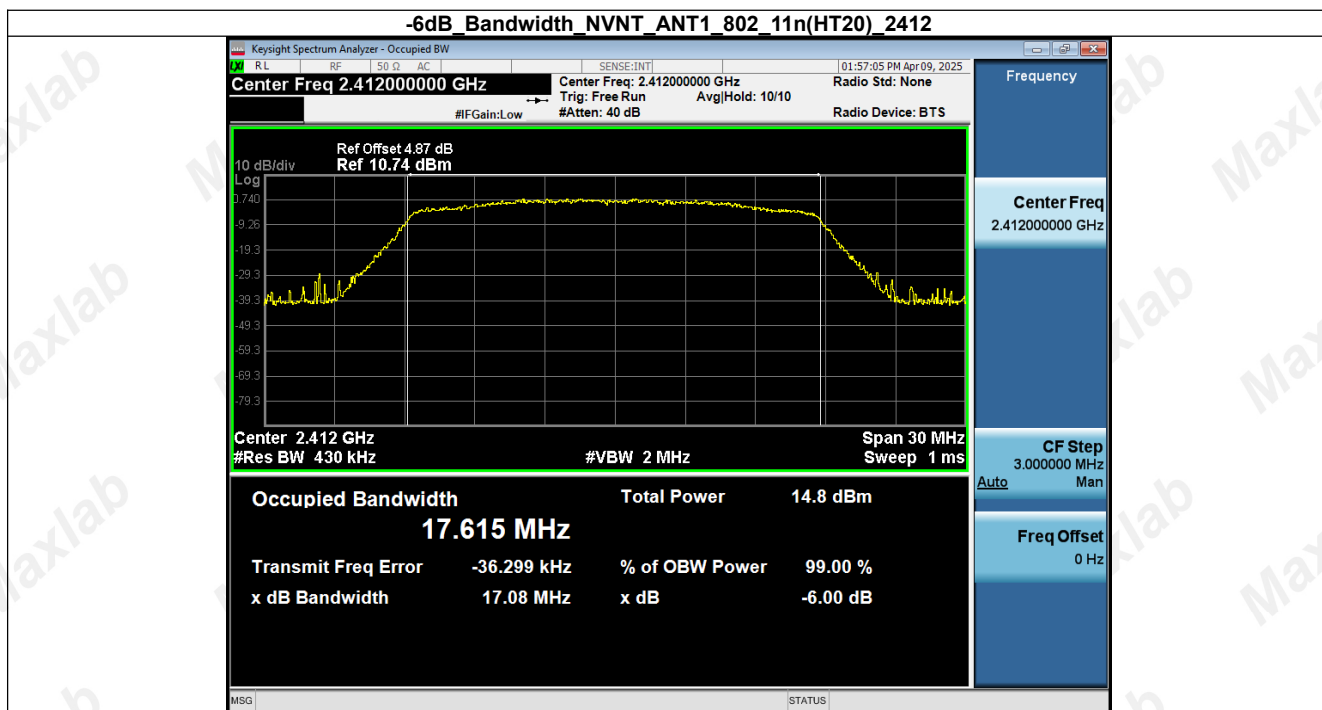
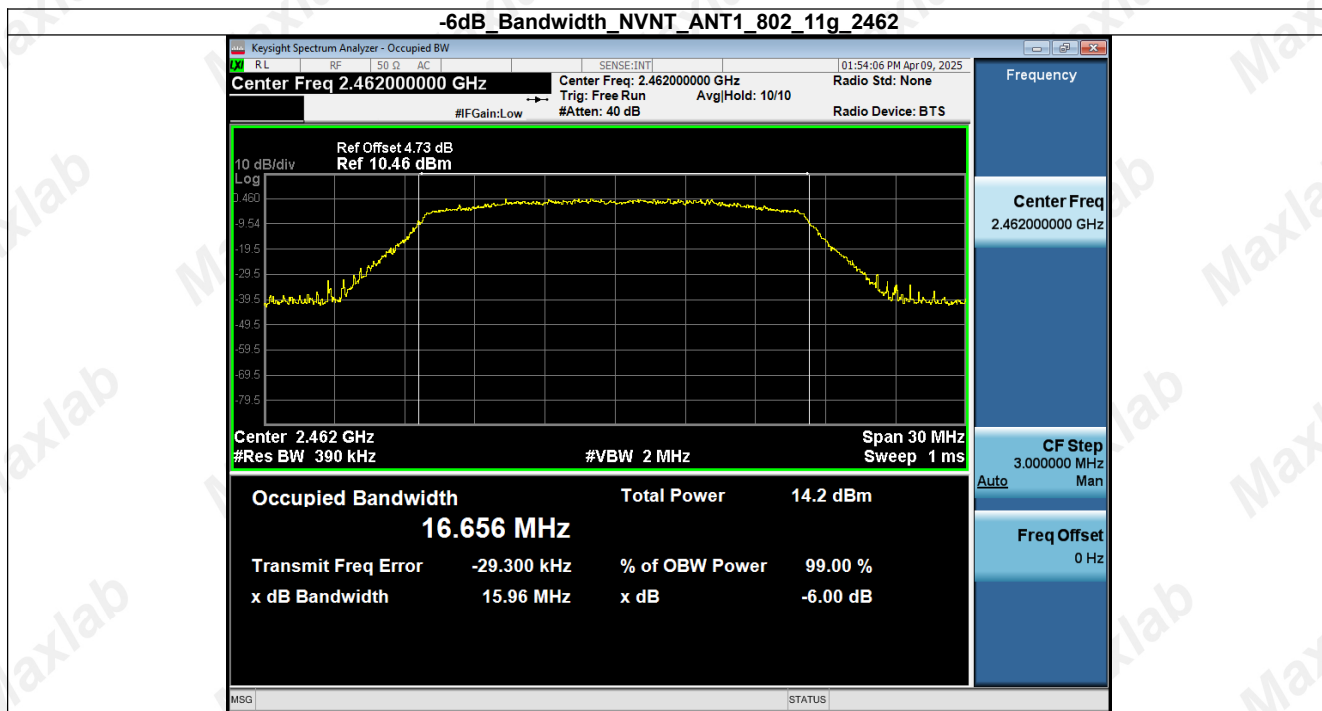
1. -6dB Bandwidth

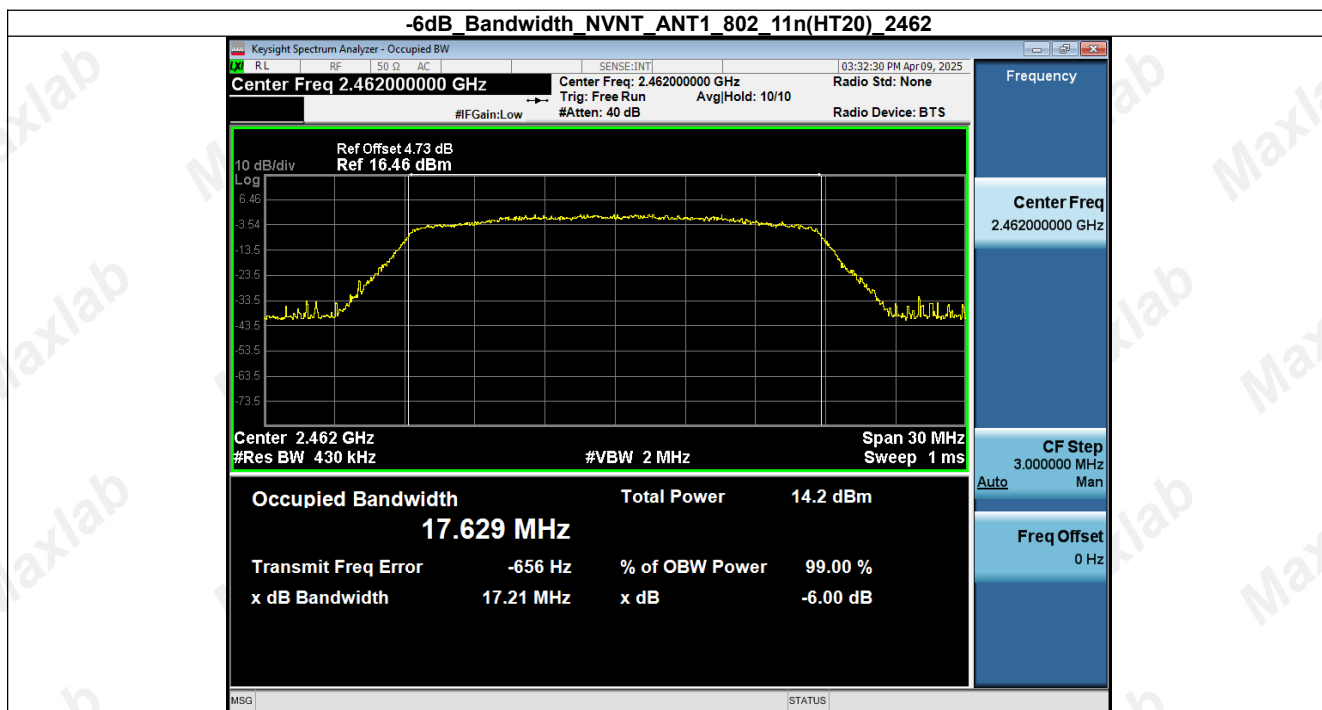
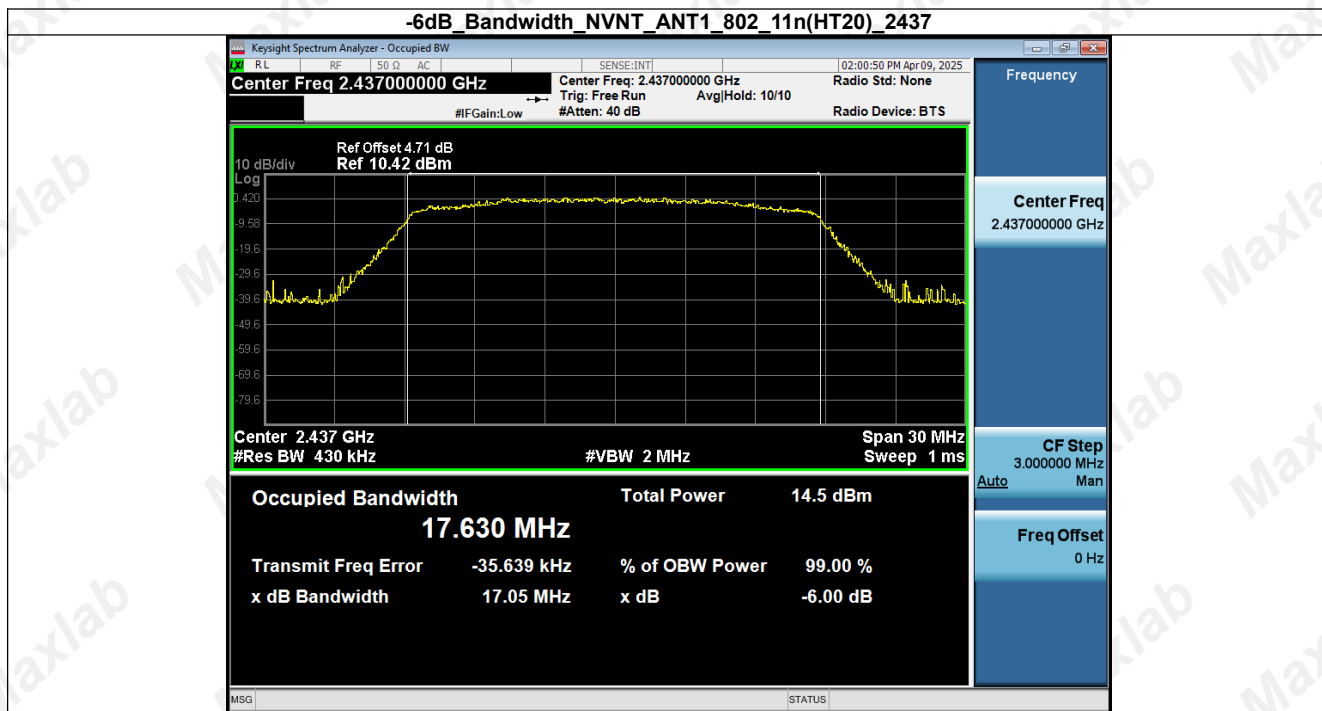
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.68	500	Pass
NVNT	ANT1	802.11b	2437.00	9.68	500	Pass
NVNT	ANT1	802.11b	2462.00	10.07	500	Pass
NVNT	ANT1	802.11g	2412.00	15.86	500	Pass
NVNT	ANT1	802.11g	2437.00	15.88	500	Pass
NVNT	ANT1	802.11g	2462.00	15.96	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.08	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.05	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.21	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	27.30	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	28.33	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	28.39	500	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	16.11	500	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	17.89	500	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	18.01	500	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	26.36	500	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	29.05	500	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	26.59	500	Pass



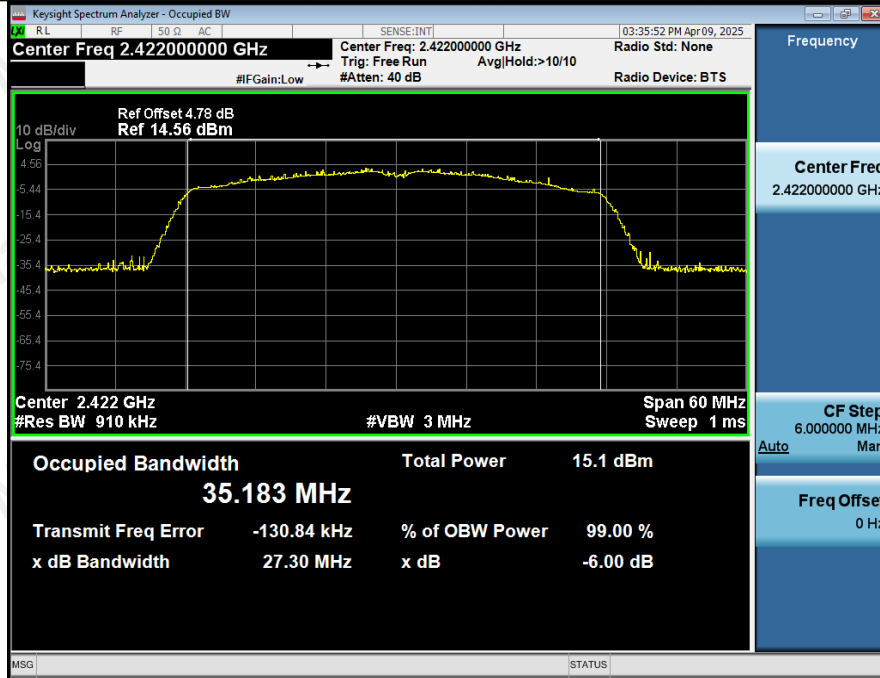




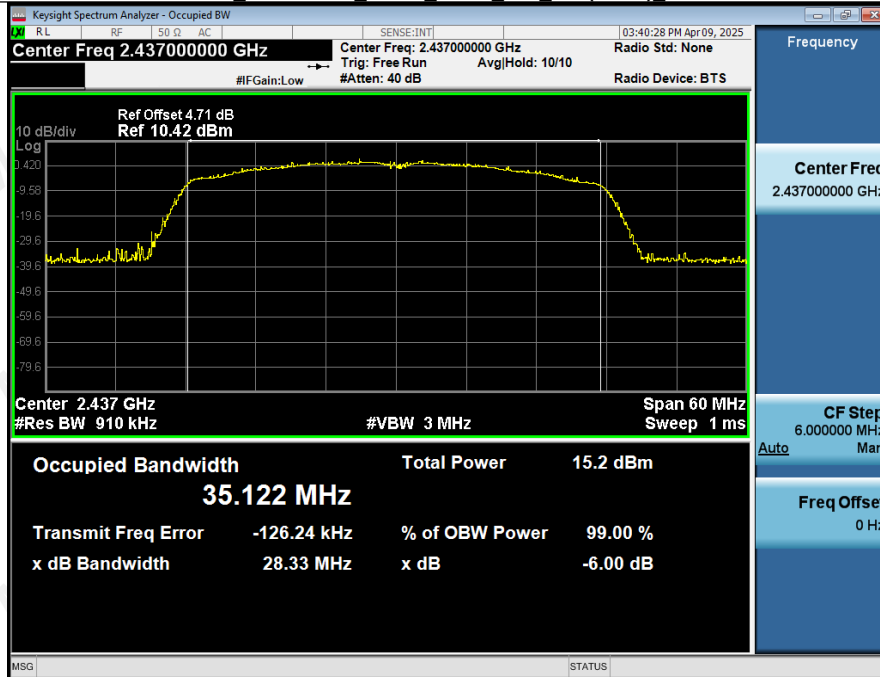


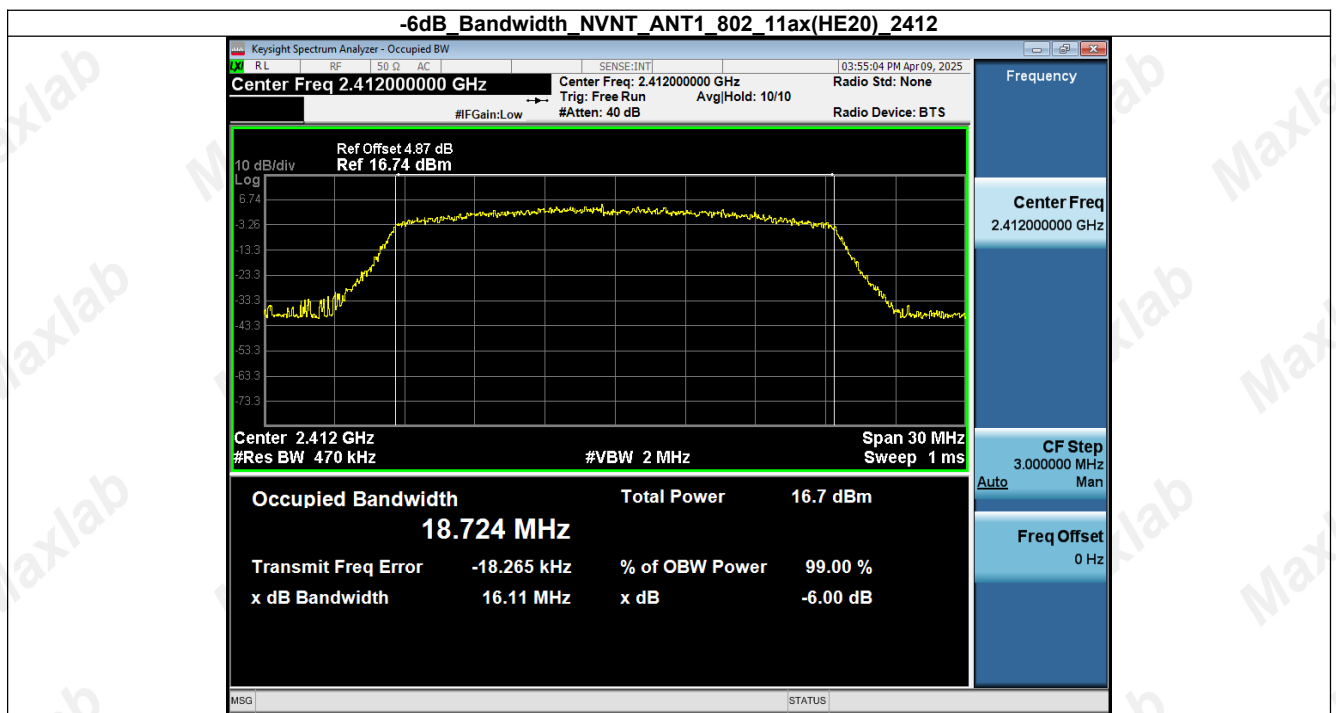
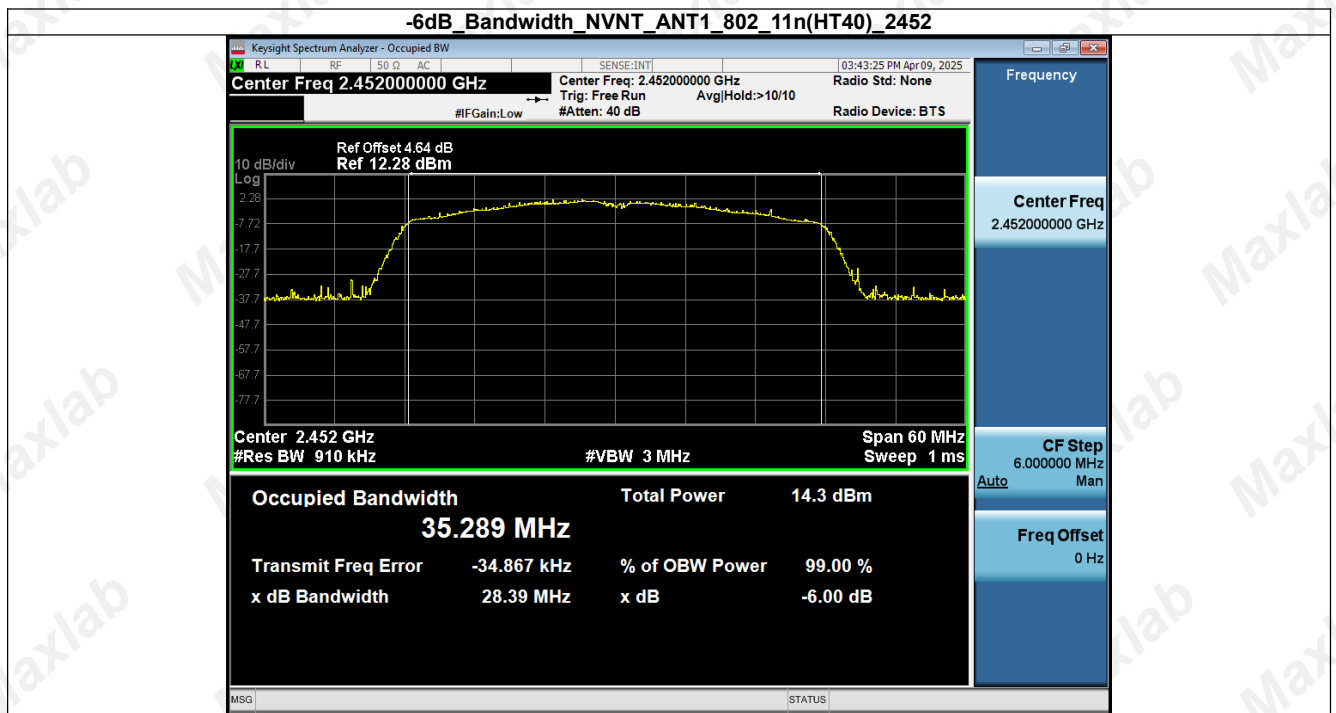


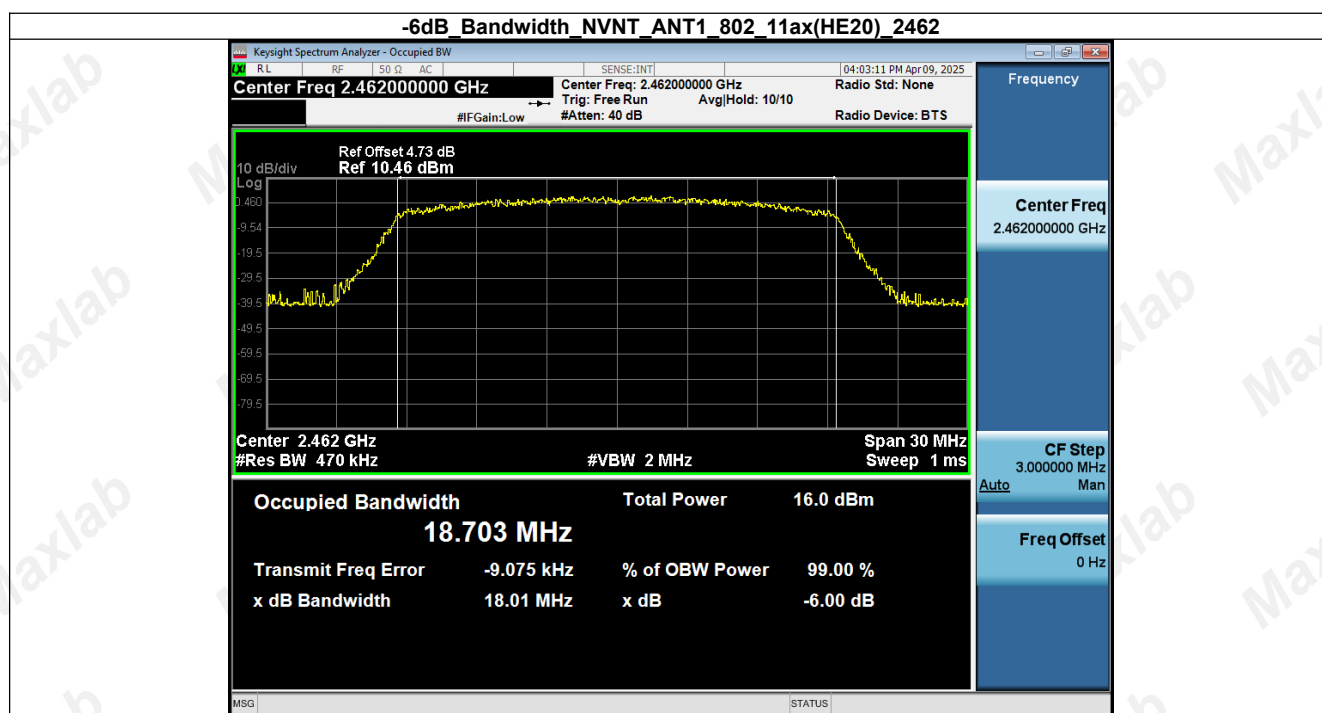
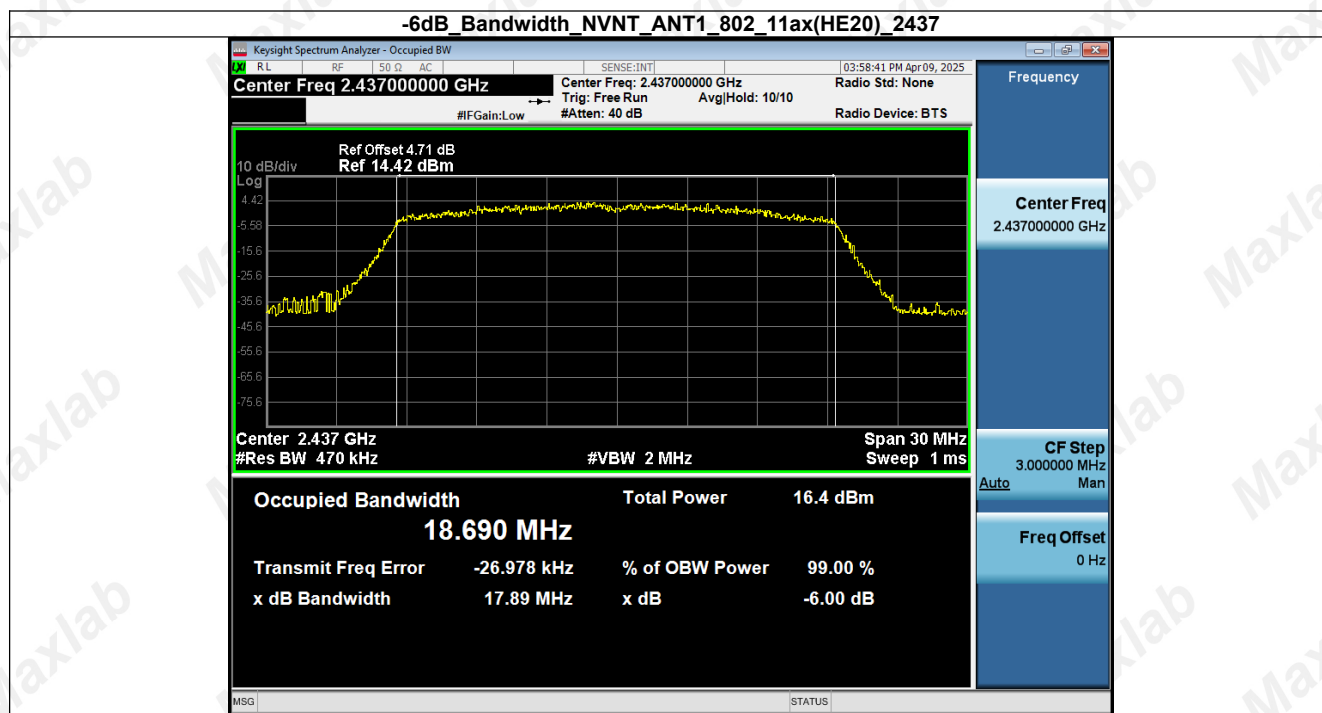
-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2422

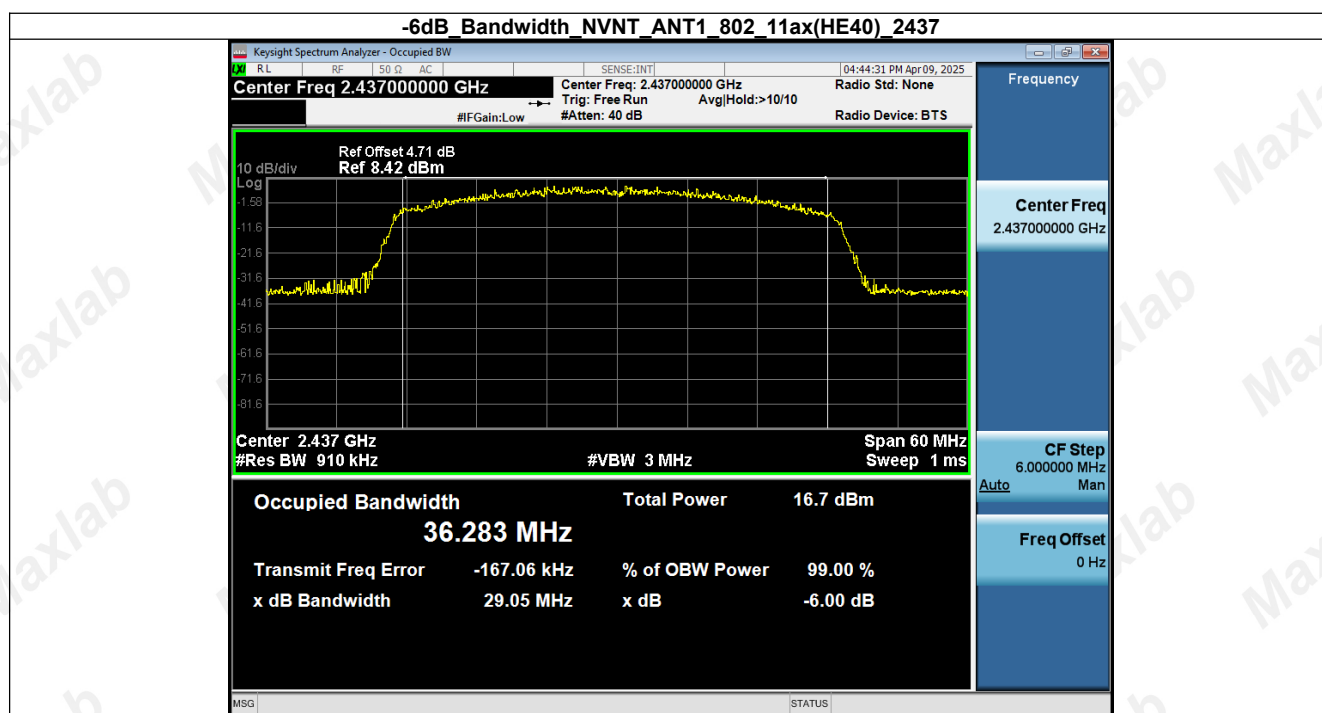
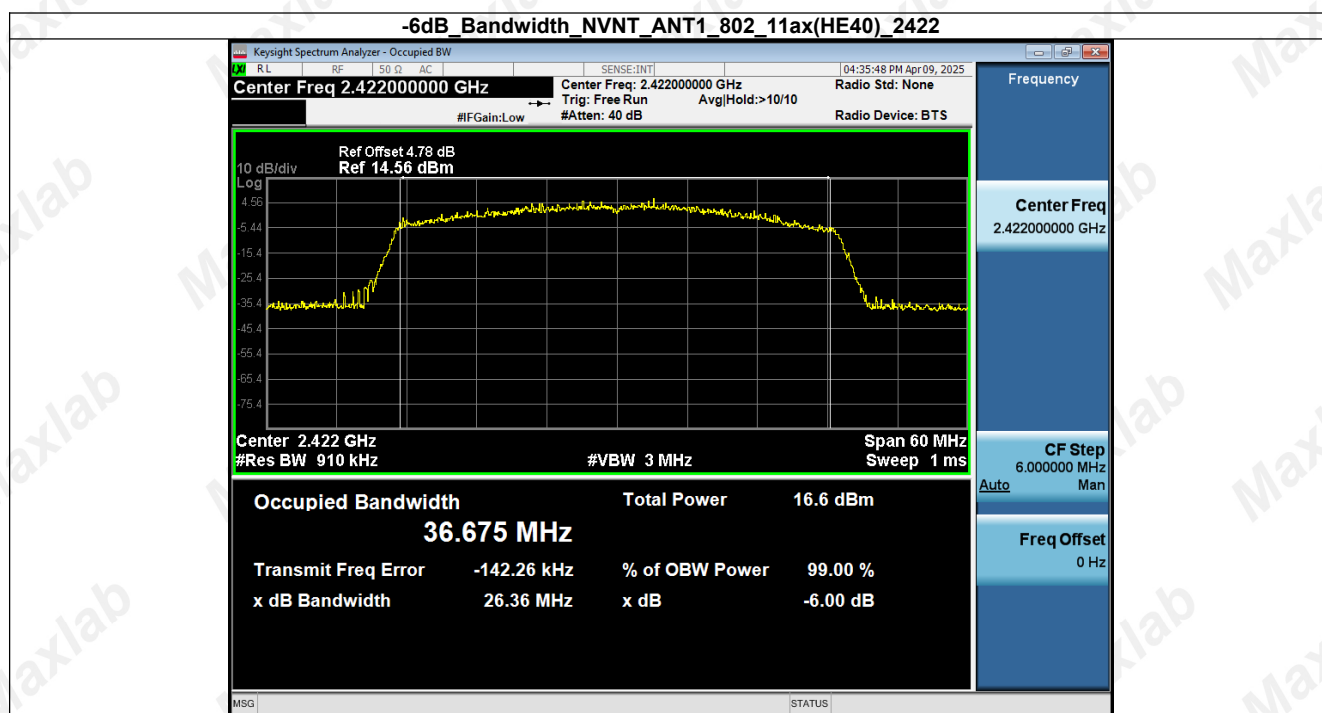


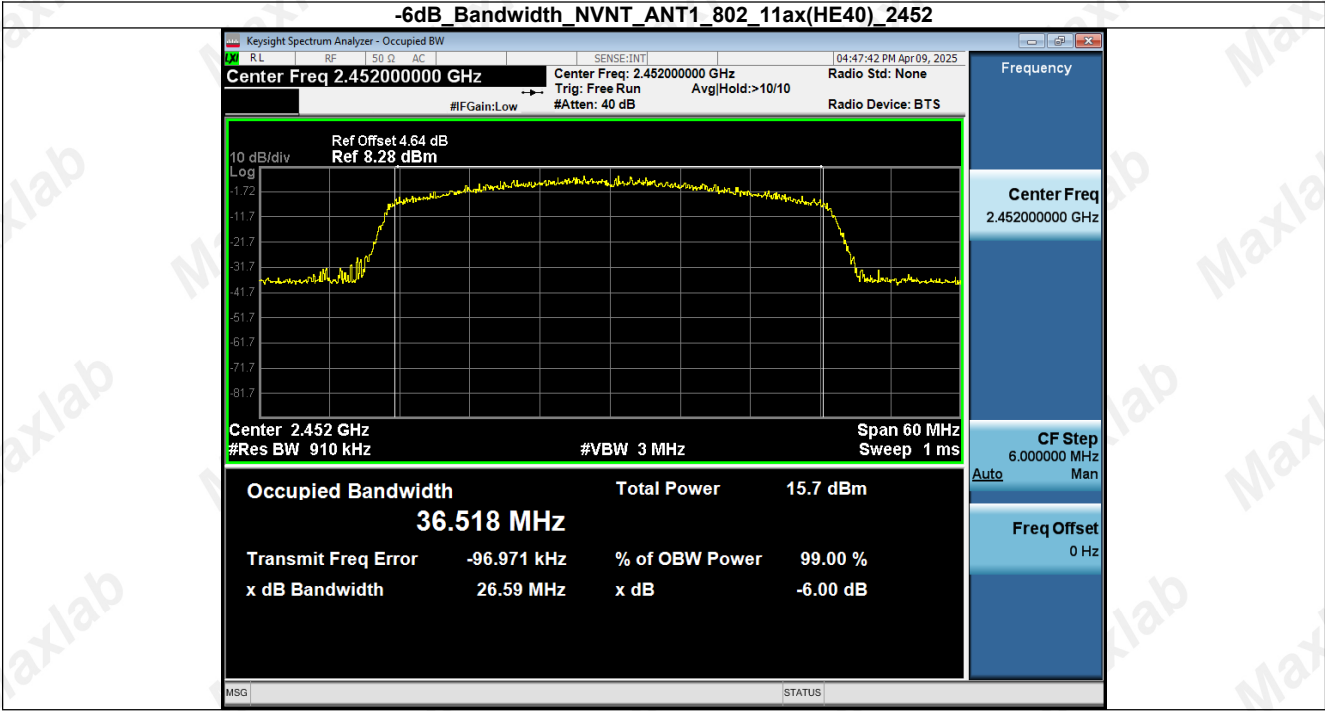
-6dB Bandwidth_NVNT_ANT1_802_11n(HT40)_2437





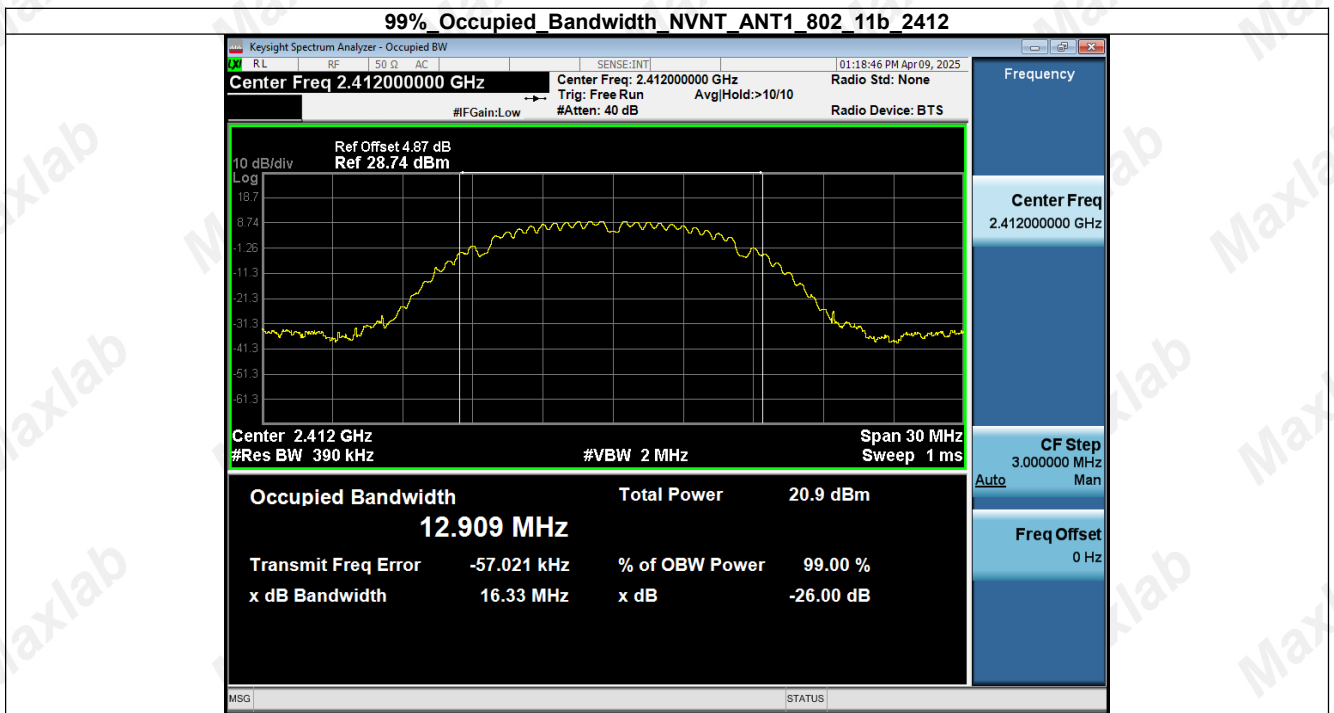


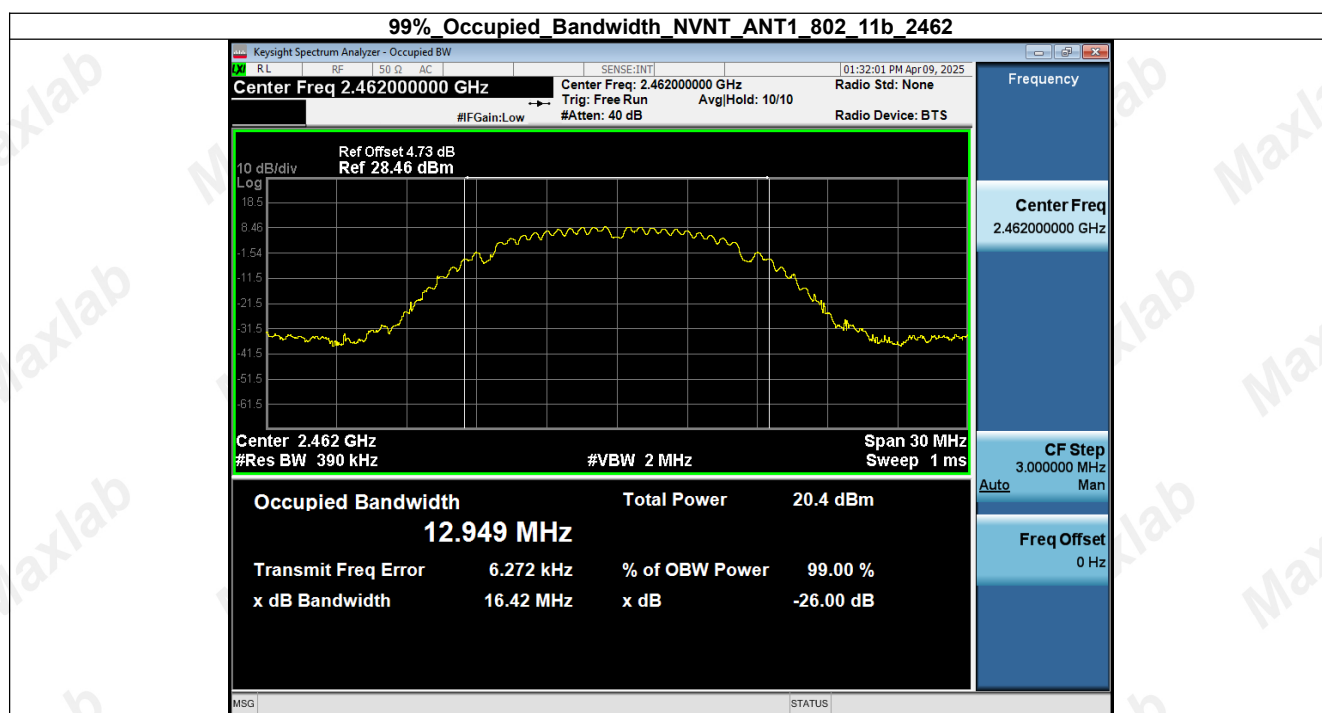
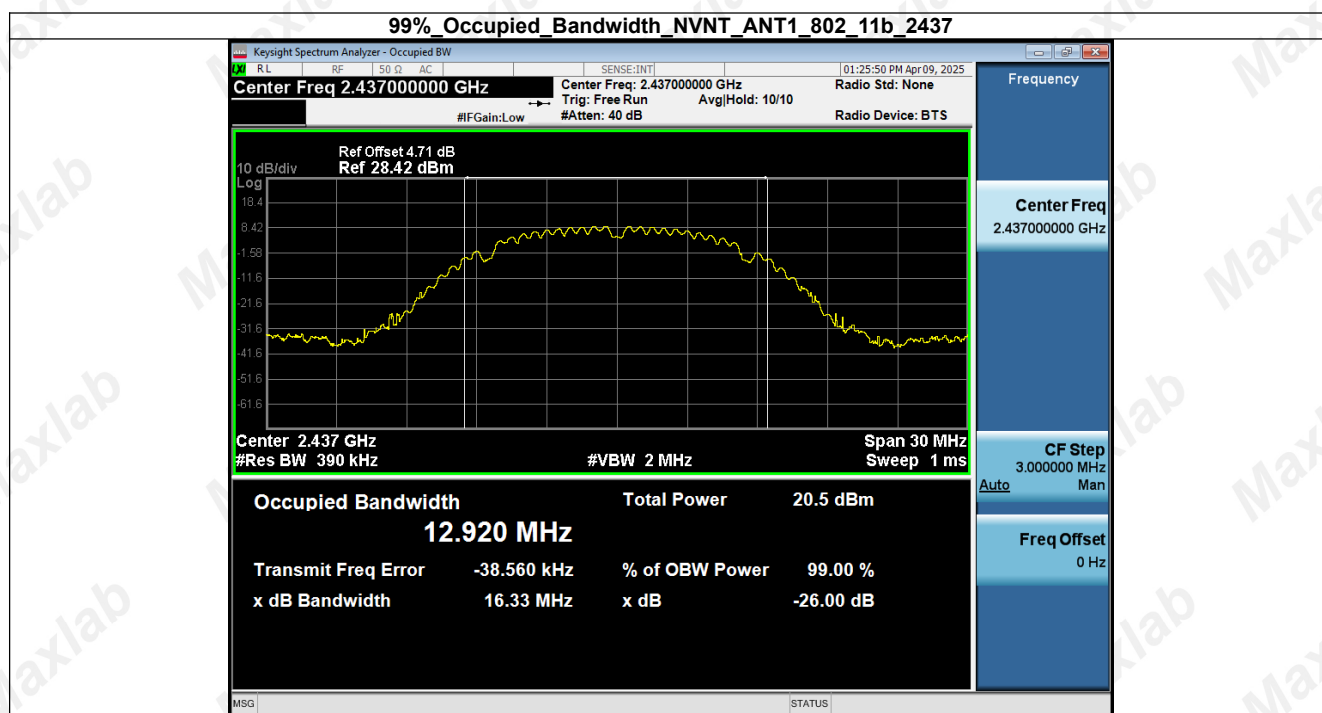


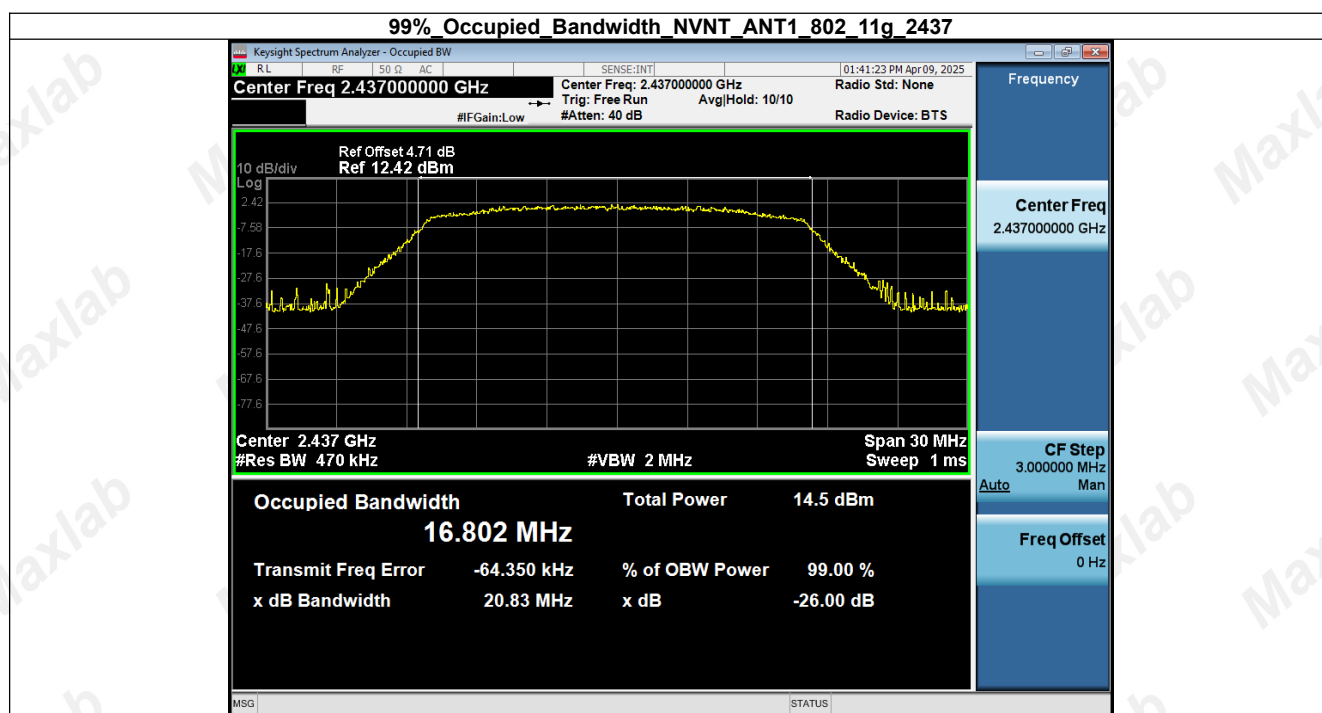
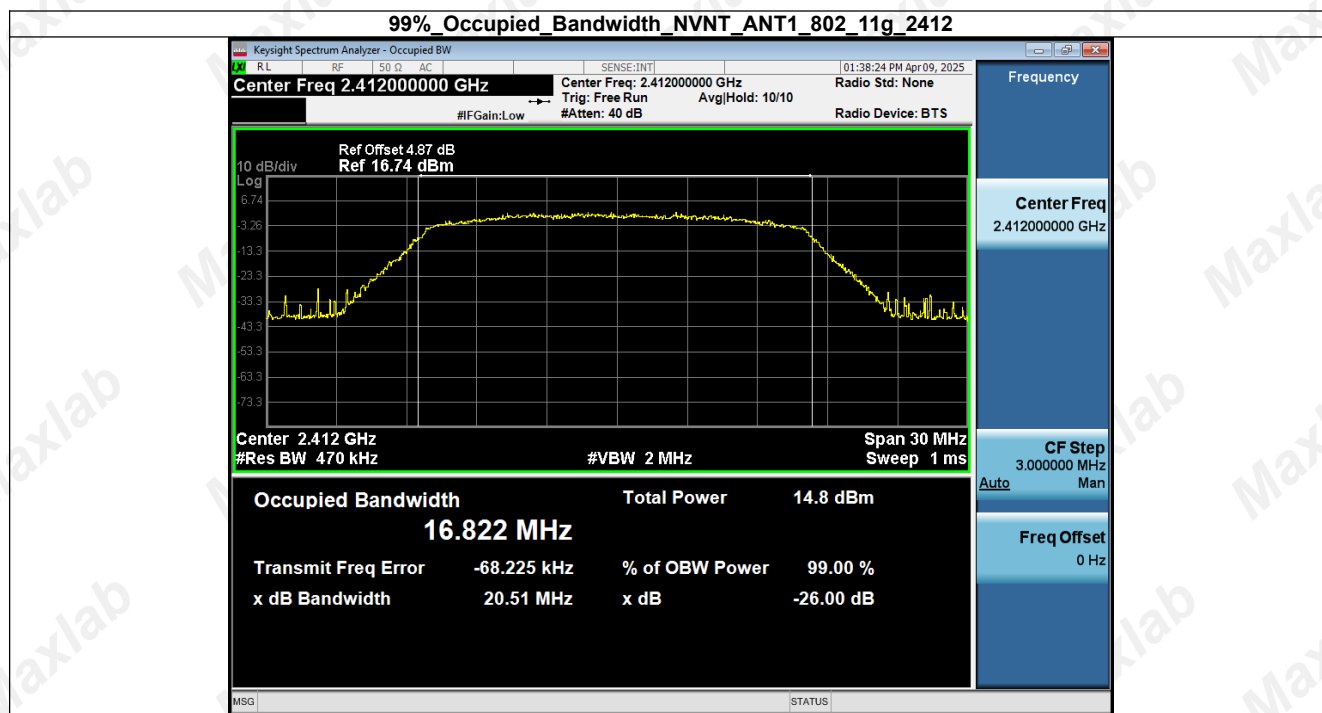


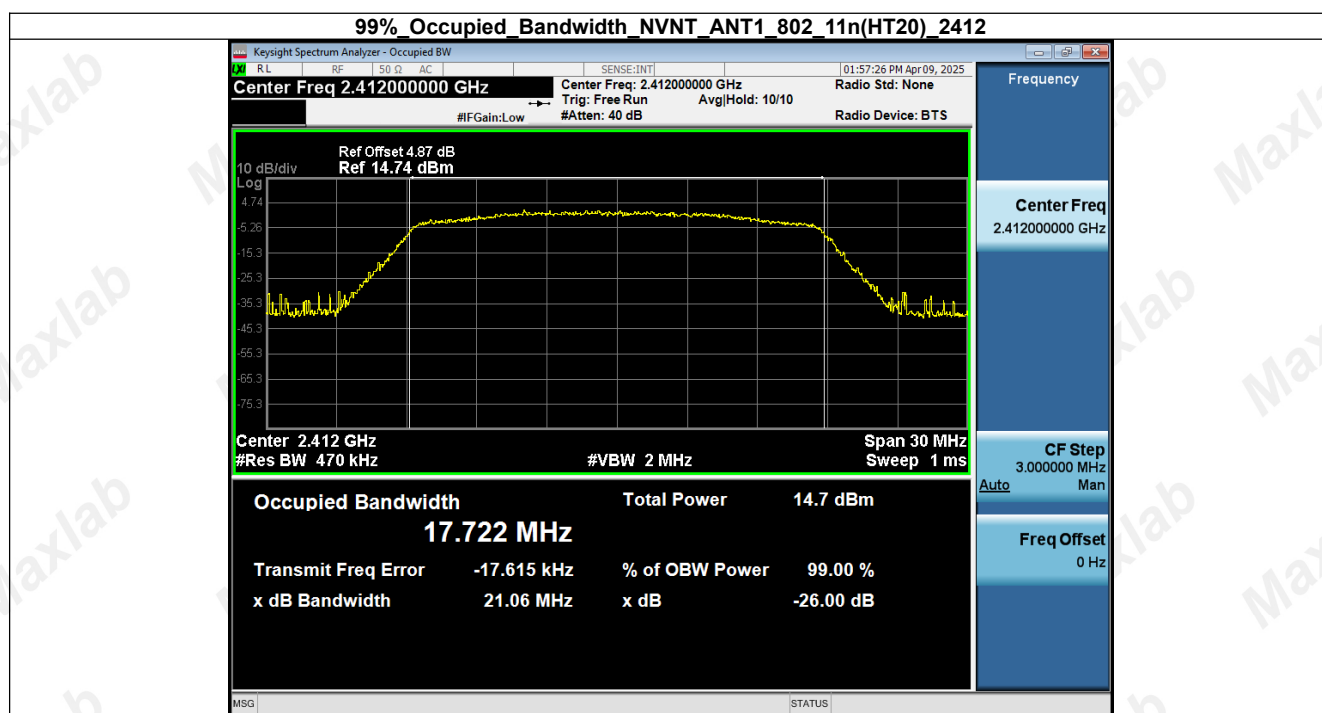
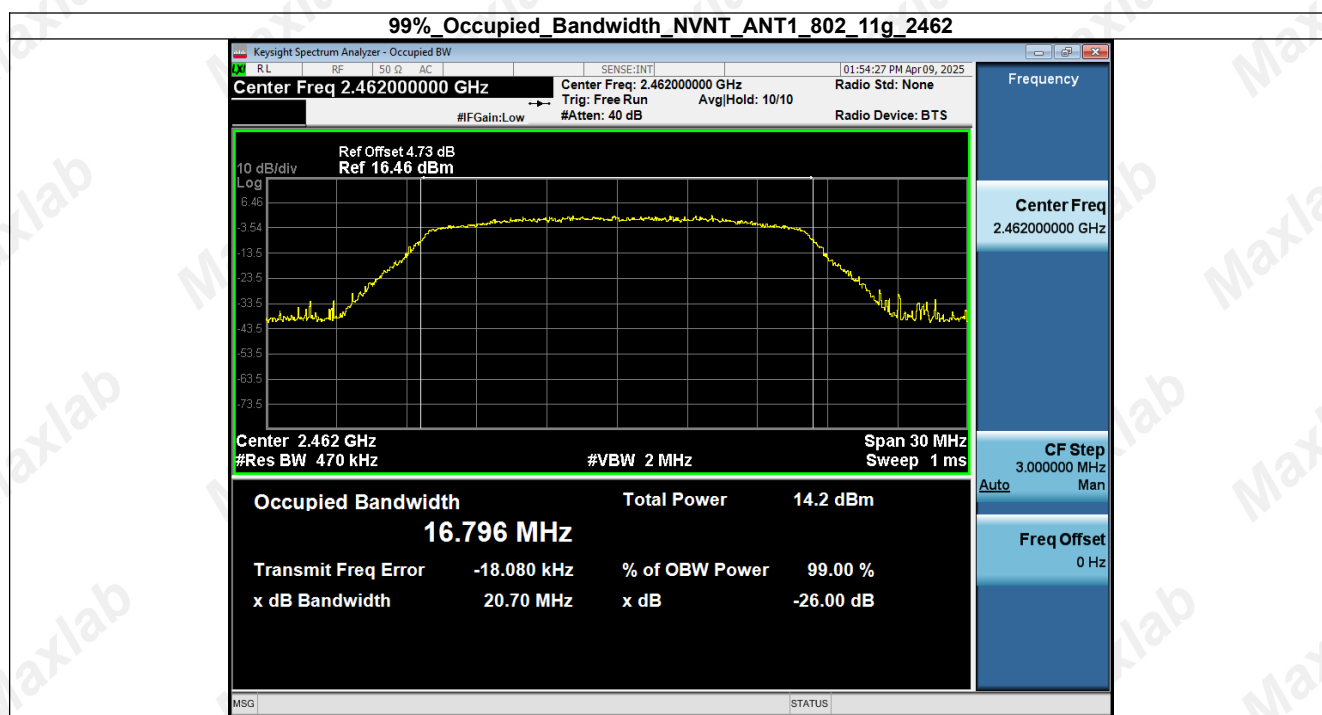
2. 99% Occupied Bandwidth

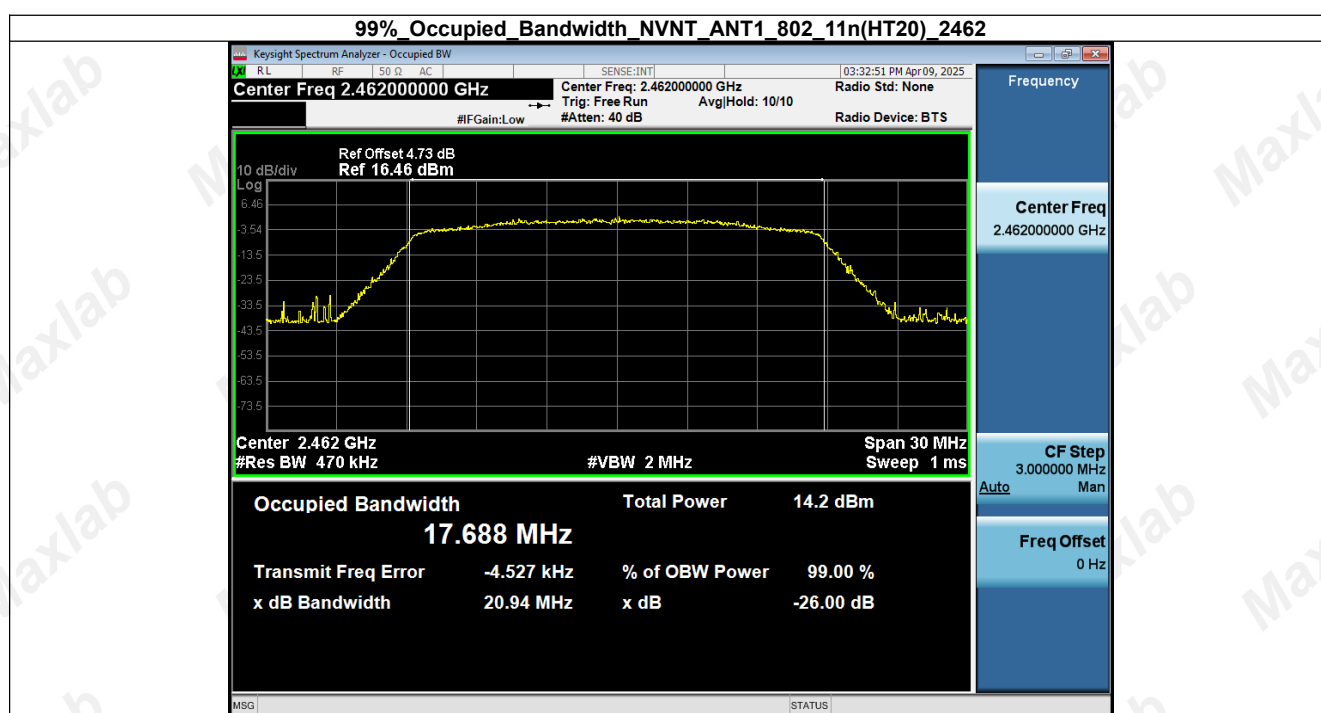
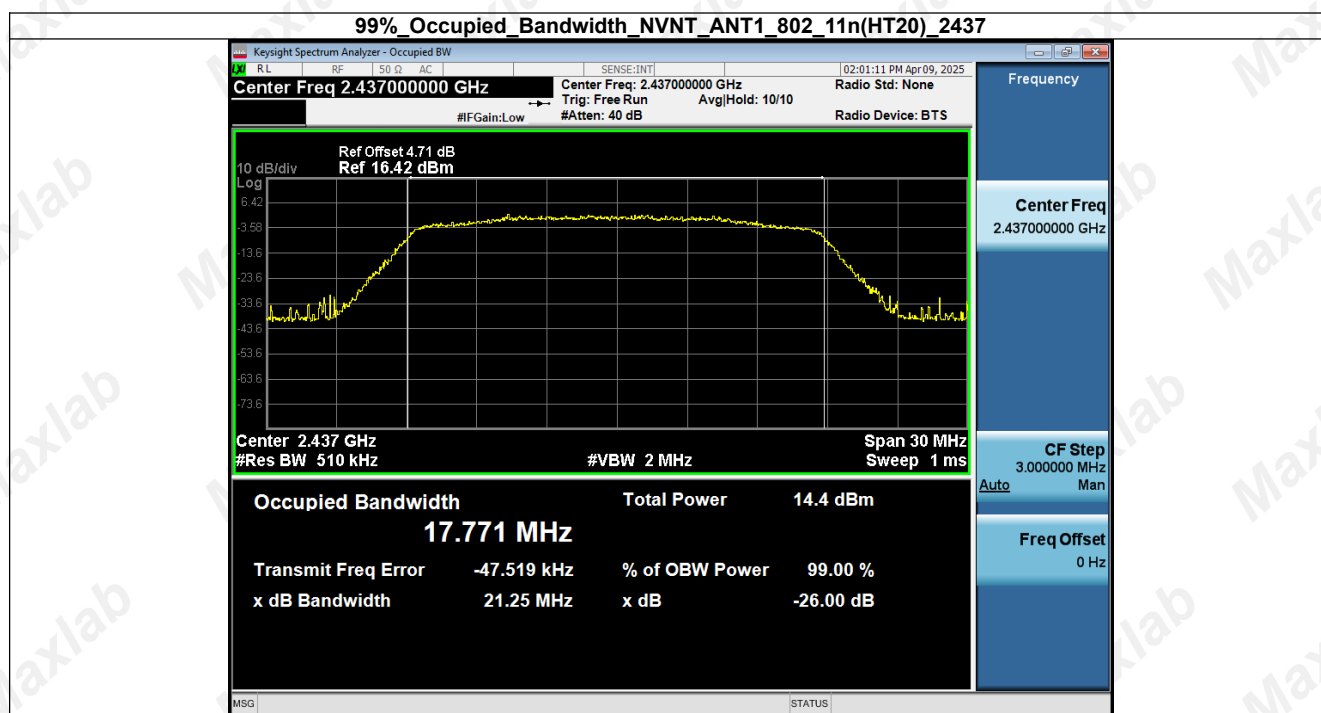
Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	802.11b	2412.00	12.909
NVNT	ANT1	802.11b	2437.00	12.920
NVNT	ANT1	802.11b	2462.00	12.949
NVNT	ANT1	802.11g	2412.00	16.822
NVNT	ANT1	802.11g	2437.00	16.802
NVNT	ANT1	802.11g	2462.00	16.796
NVNT	ANT1	802.11n(HT20)	2412.00	17.722
NVNT	ANT1	802.11n(HT20)	2437.00	17.771
NVNT	ANT1	802.11n(HT20)	2462.00	17.688
NVNT	ANT1	802.11n(HT40)	2422.00	35.254
NVNT	ANT1	802.11n(HT40)	2437.00	35.097
NVNT	ANT1	802.11n(HT40)	2452.00	35.260
NVNT	ANT1	802.11ax(HE20)	2412.00	18.701
NVNT	ANT1	802.11ax(HE20)	2437.00	18.713
NVNT	ANT1	802.11ax(HE20)	2462.00	18.701
NVNT	ANT1	802.11ax(HE40)	2422.00	36.613
NVNT	ANT1	802.11ax(HE40)	2437.00	36.326
NVNT	ANT1	802.11ax(HE40)	2452.00	36.516

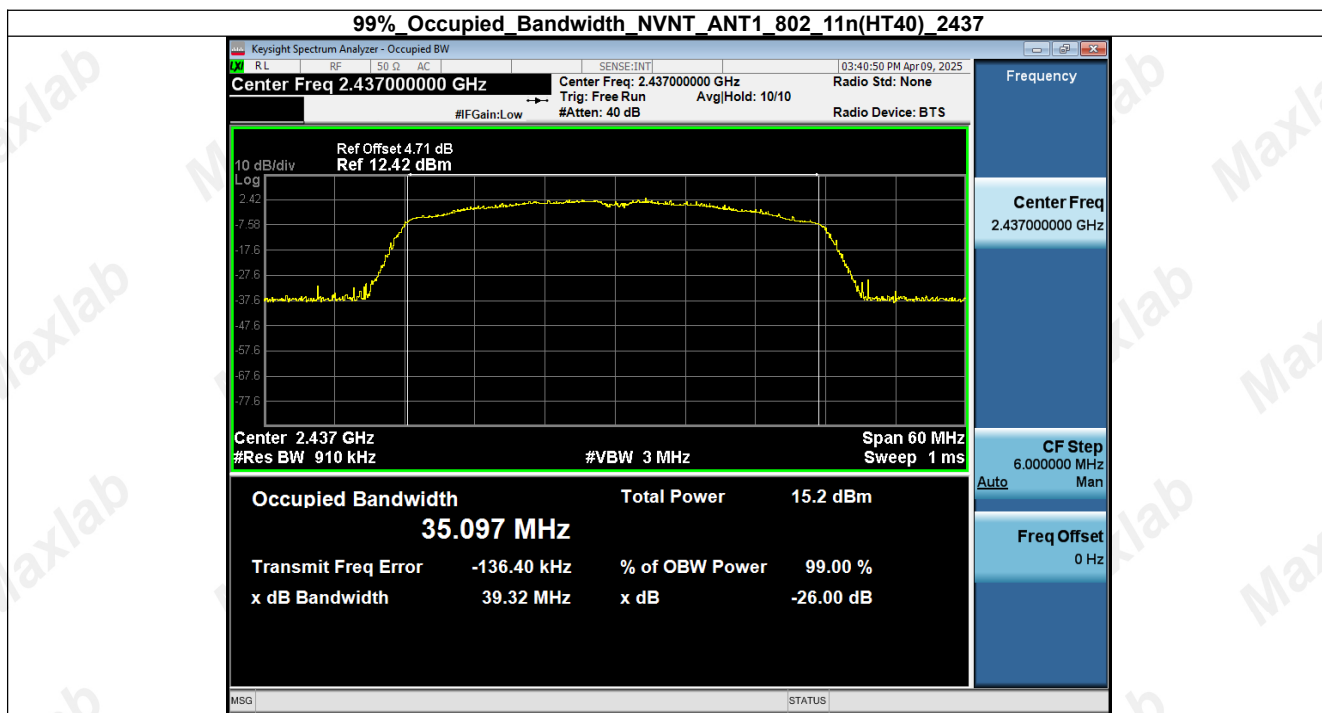
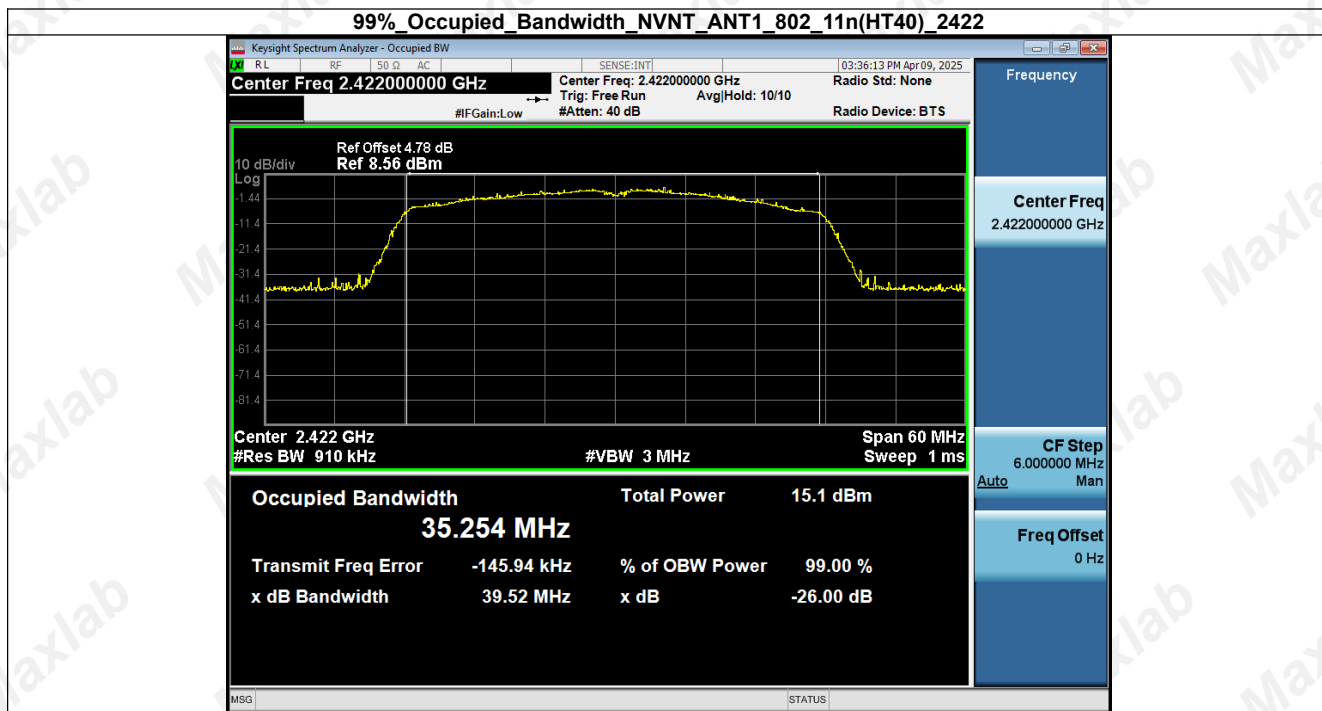


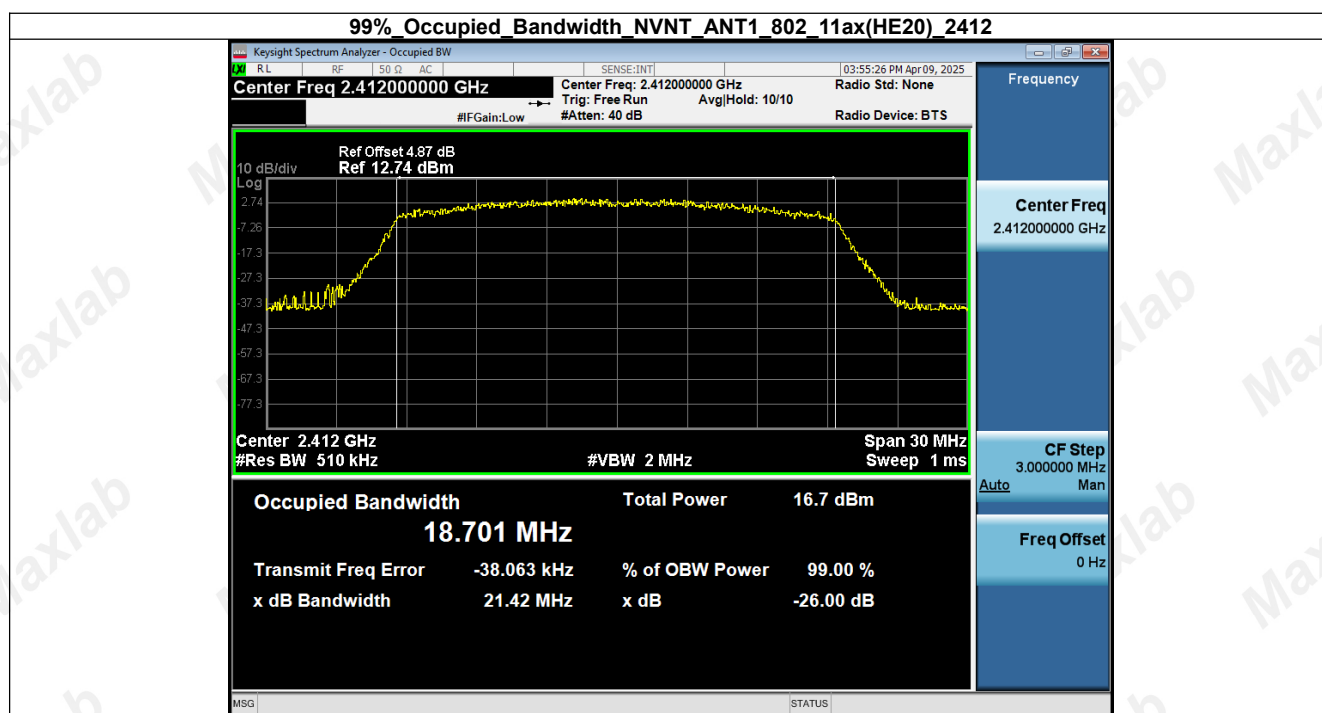
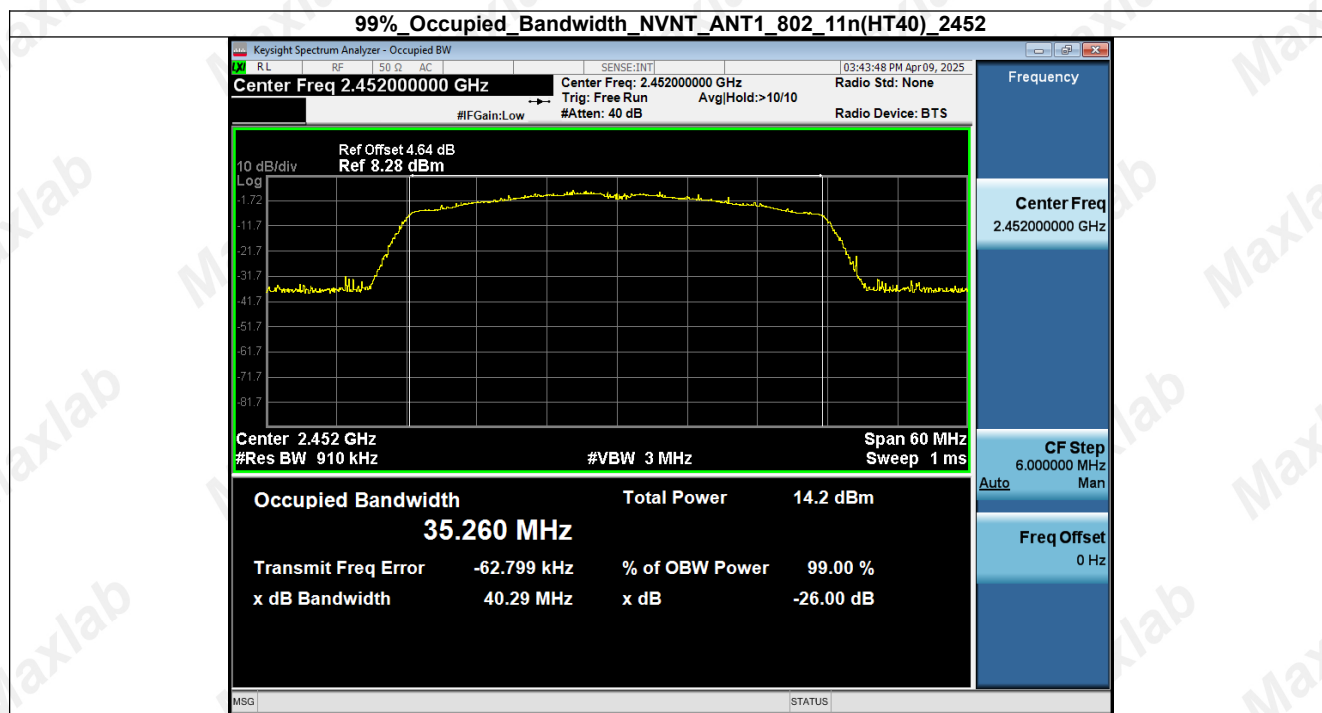


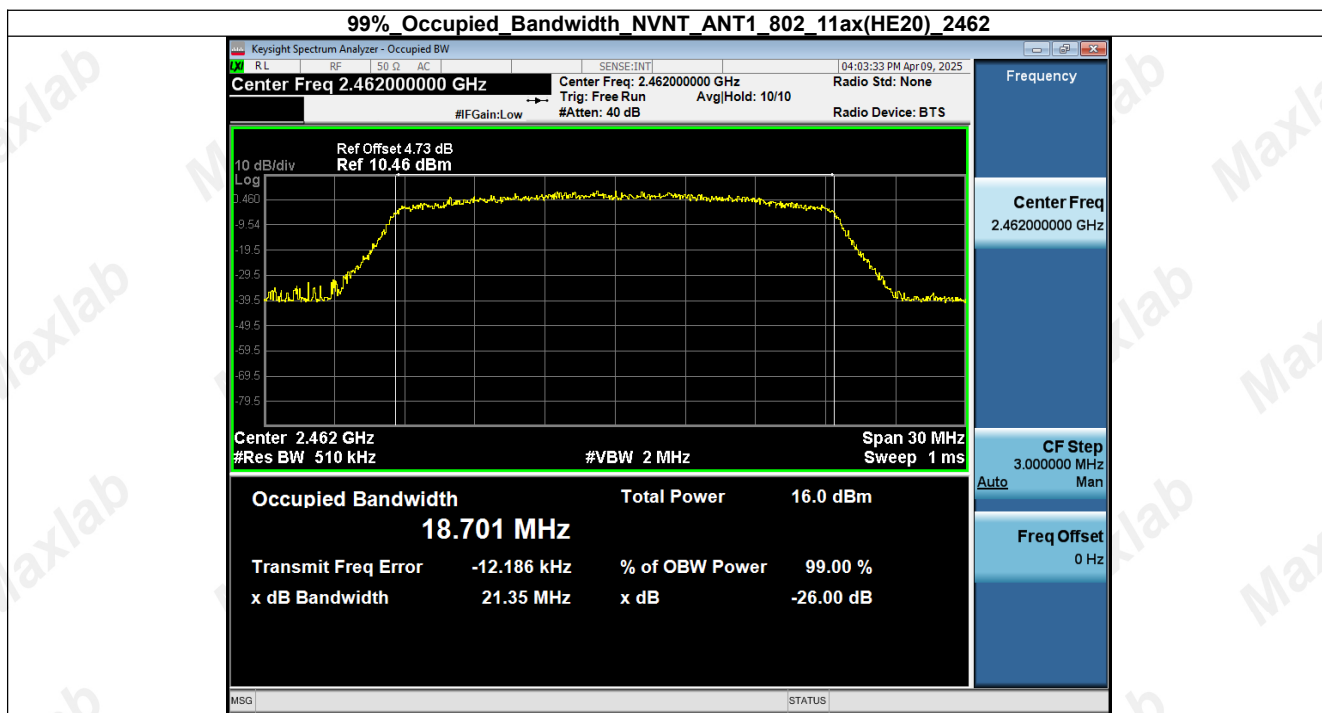
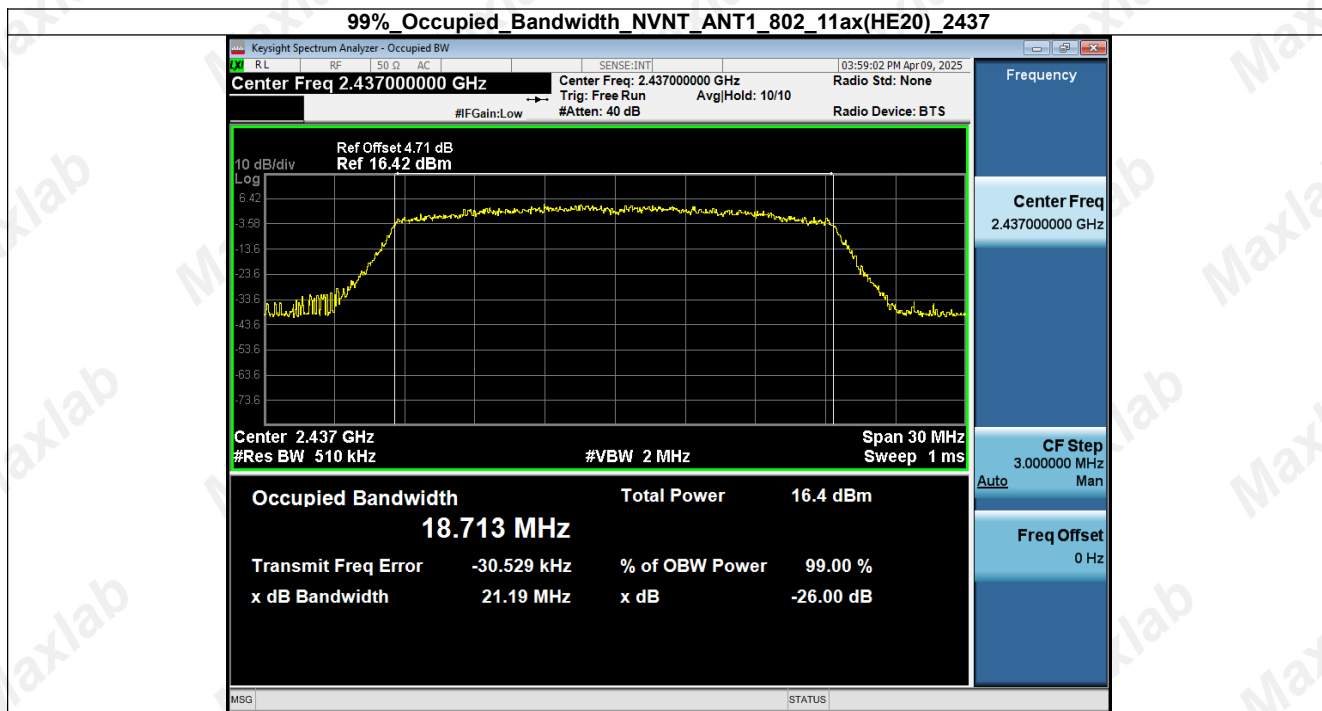


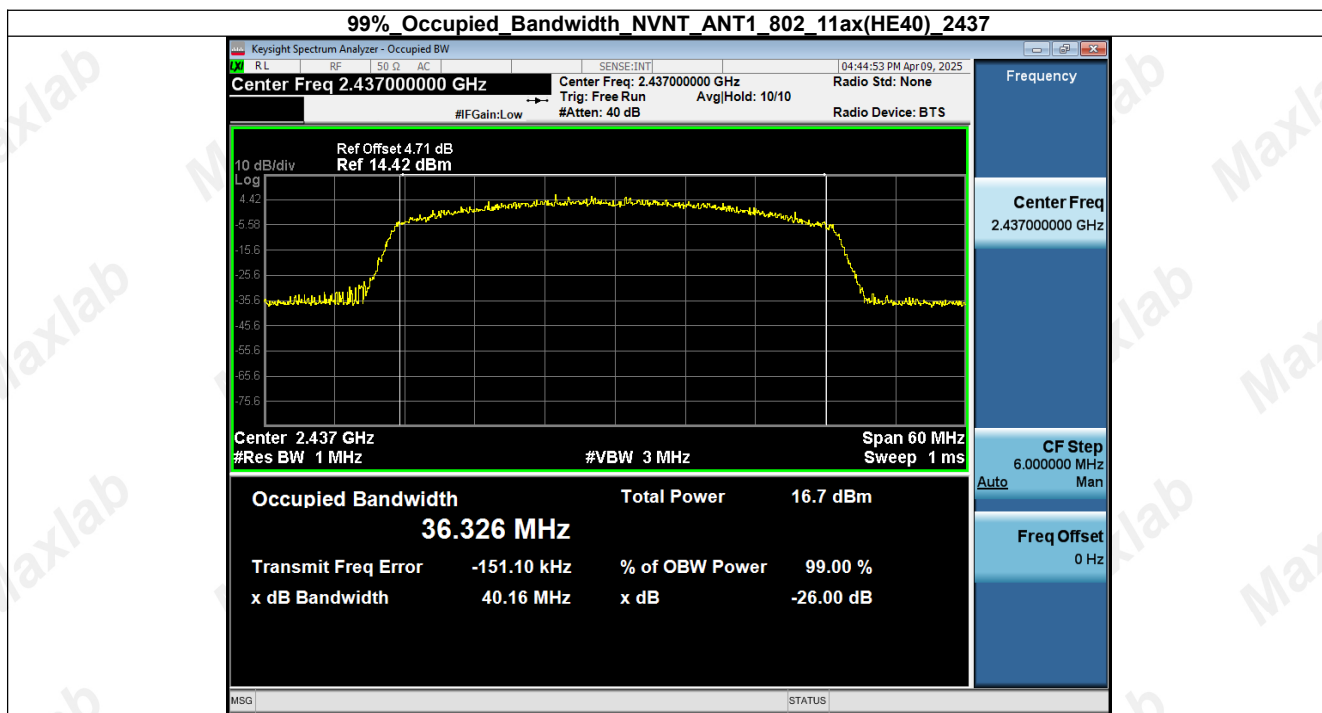
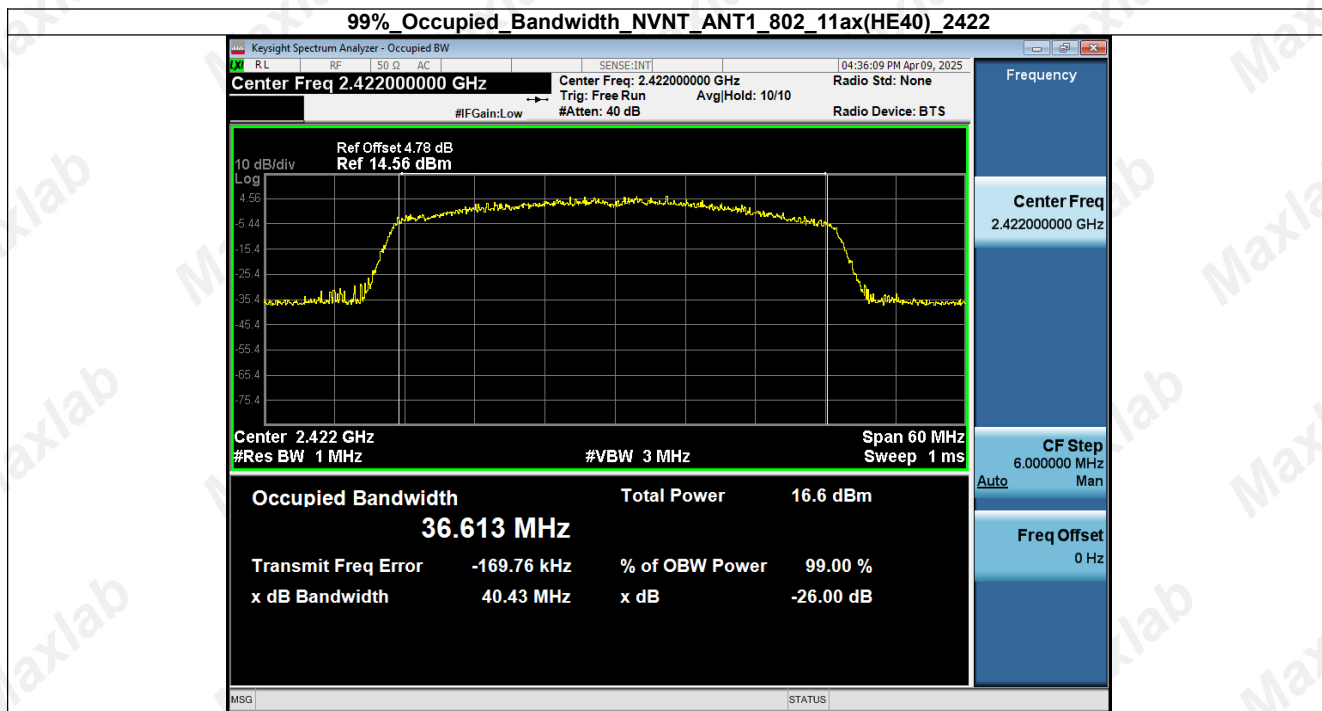


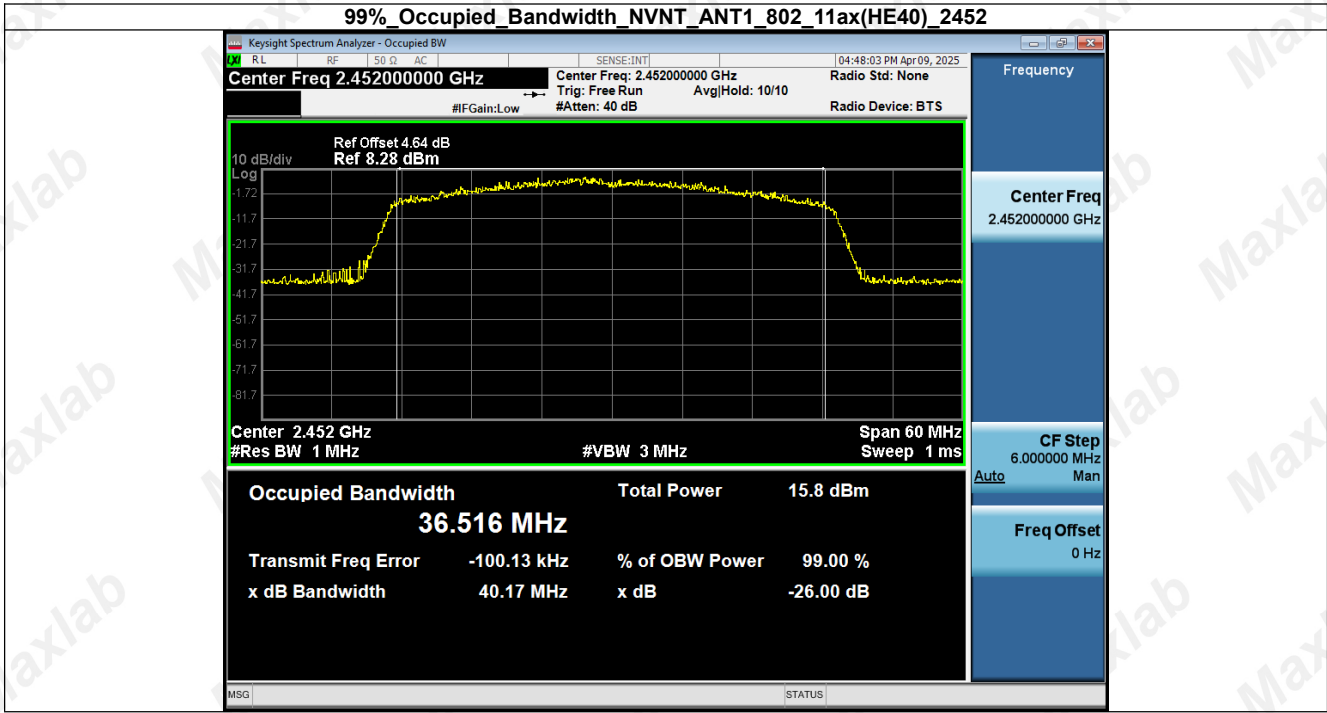






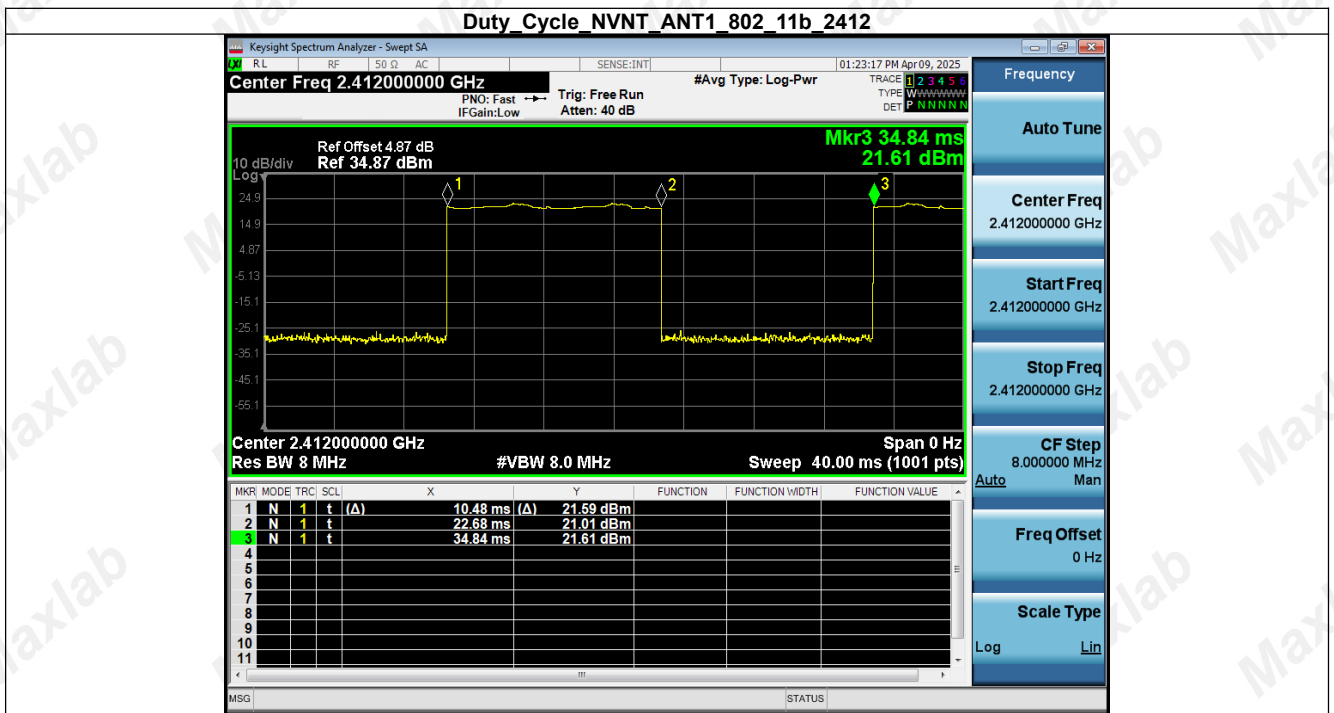




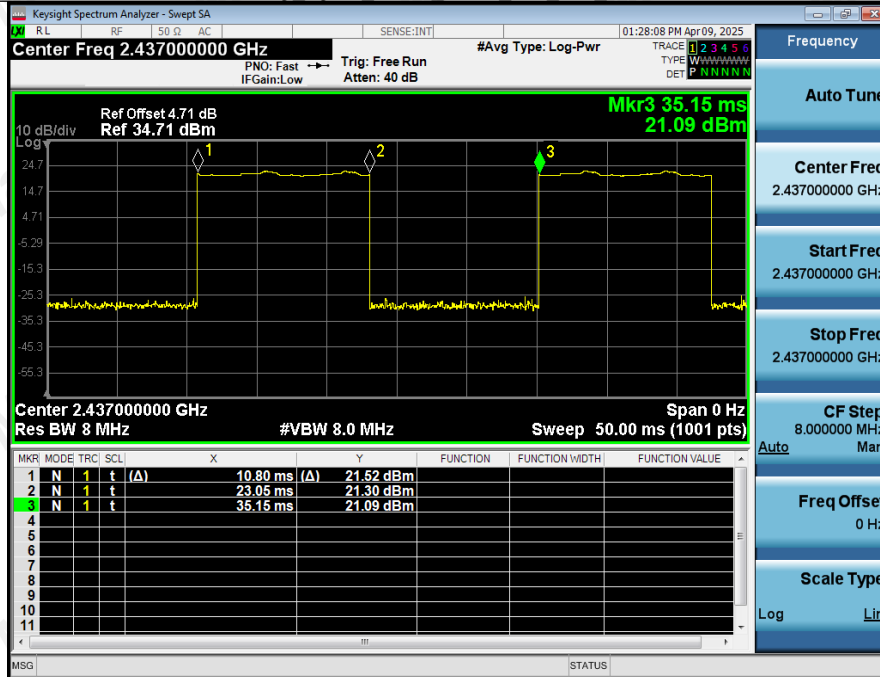


3. Duty Cycle

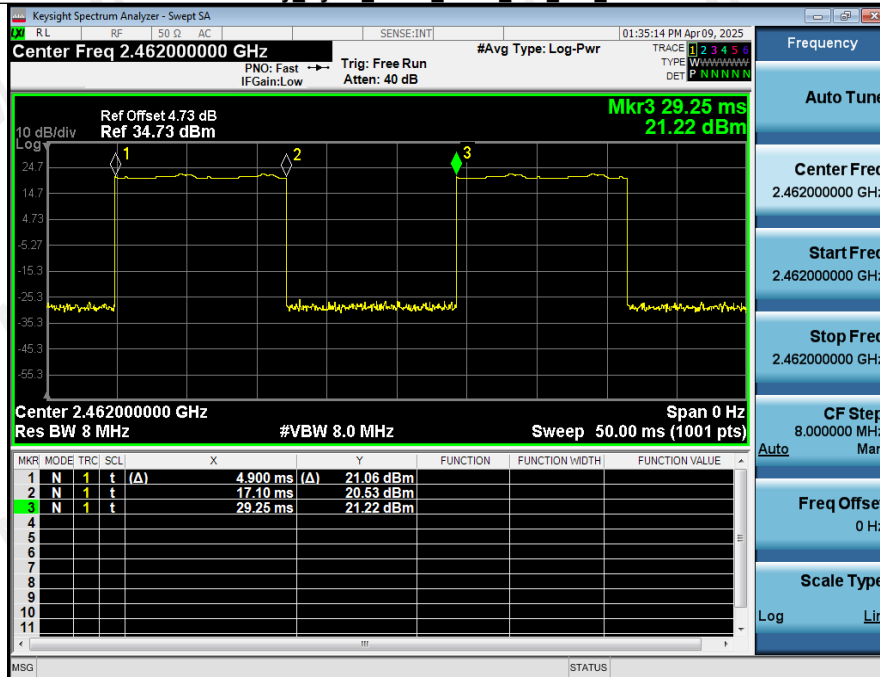
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	50.08	3.00
NVNT	ANT1	802.11b	2437.00	50.31	2.98
NVNT	ANT1	802.11b	2462.00	50.10	3.00
NVNT	ANT1	802.11g	2412.00	98.56	0.00
NVNT	ANT1	802.11g	2437.00	98.56	0.00
NVNT	ANT1	802.11g	2462.00	98.56	0.00
NVNT	ANT1	802.11n(HT20)	2412.00	98.89	0.00
NVNT	ANT1	802.11n(HT20)	2437.00	98.89	0.00
NVNT	ANT1	802.11n(HT20)	2462.00	98.53	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	97.42	0.11
NVNT	ANT1	802.11n(HT40)	2437.00	98.05	0.00
NVNT	ANT1	802.11n(HT40)	2452.00	98.06	0.00
NVNT	ANT1	802.11ax(HE20)	2412.00	98.31	0.00
NVNT	ANT1	802.11ax(HE20)	2437.00	98.31	0.00
NVNT	ANT1	802.11ax(HE20)	2462.00	98.31	0.00
NVNT	ANT1	802.11ax(HE40)	2422.00	98.72	0.00
NVNT	ANT1	802.11ax(HE40)	2437.00	98.73	0.00
NVNT	ANT1	802.11ax(HE40)	2452.00	98.72	0.00

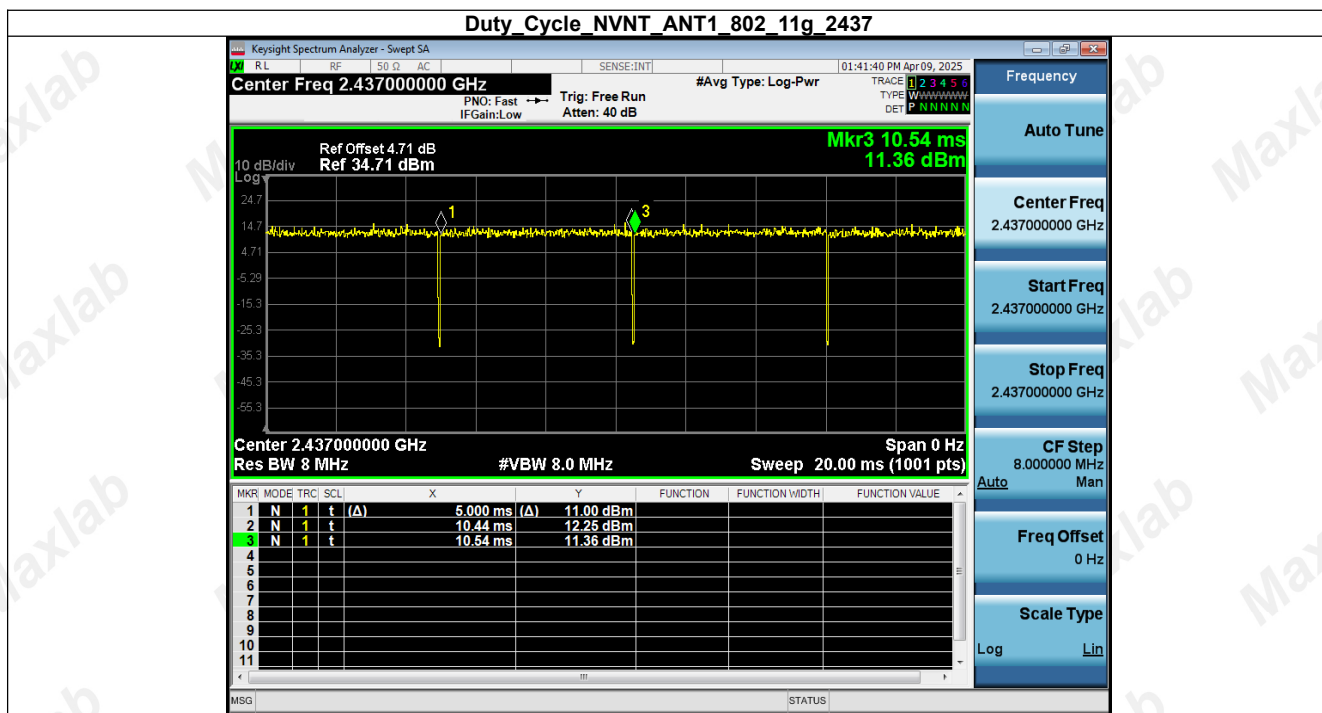
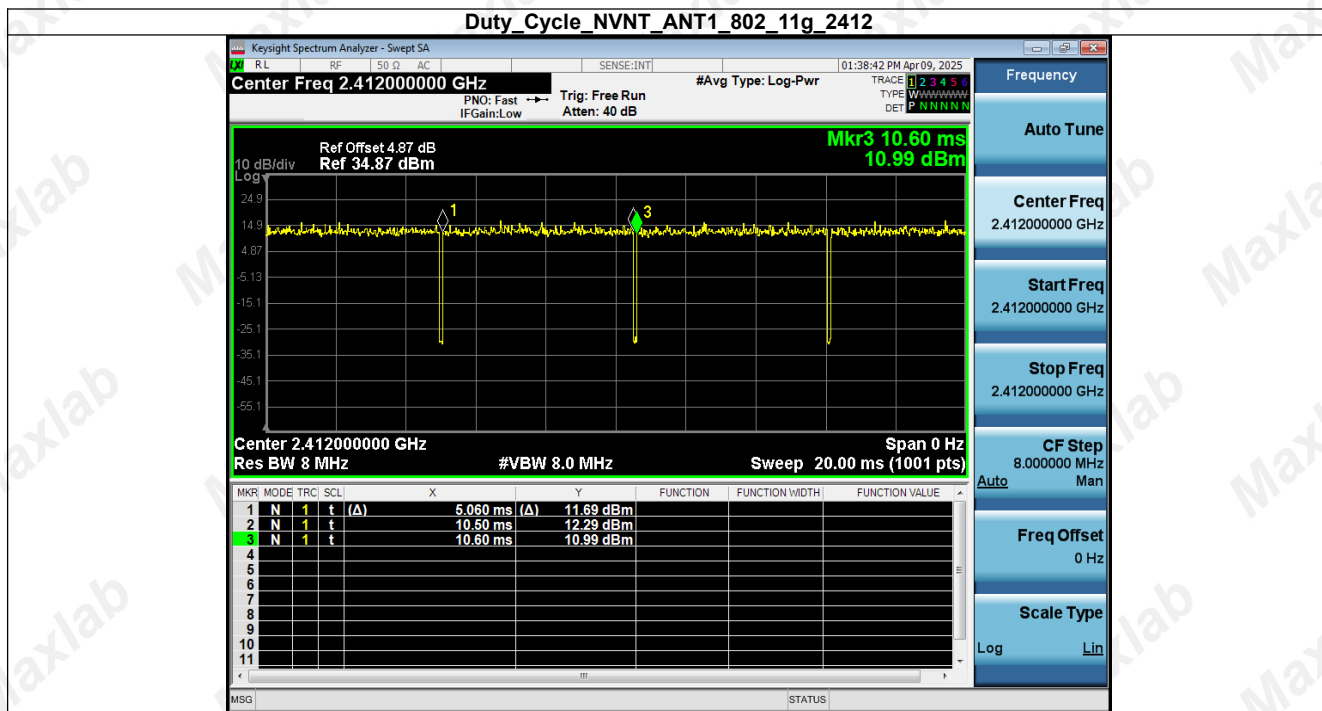


Duty Cycle NVNT_ANT1_802_11b_2437

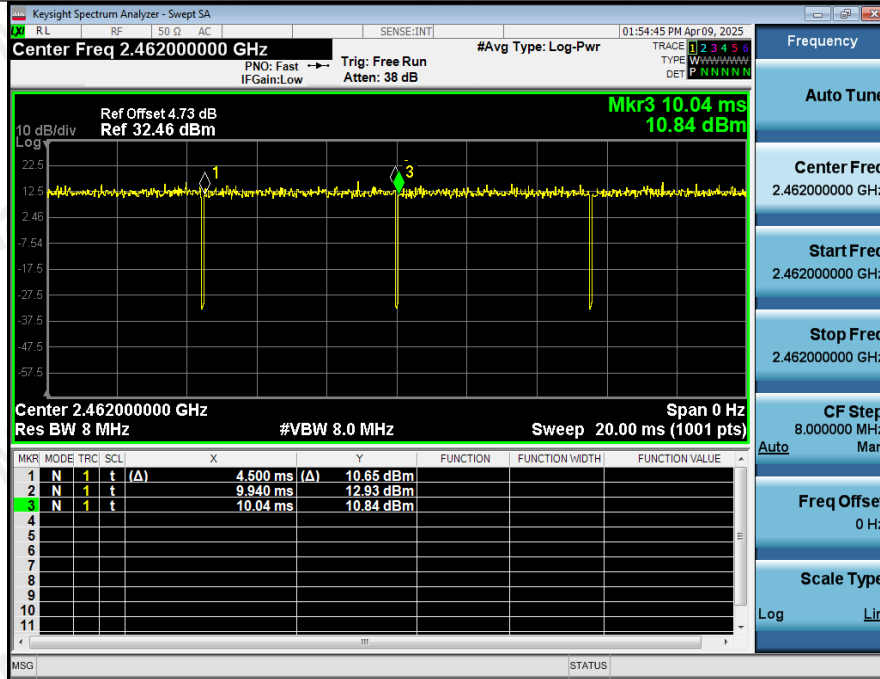


Duty Cycle NVNT_ANT1_802_11b_2462

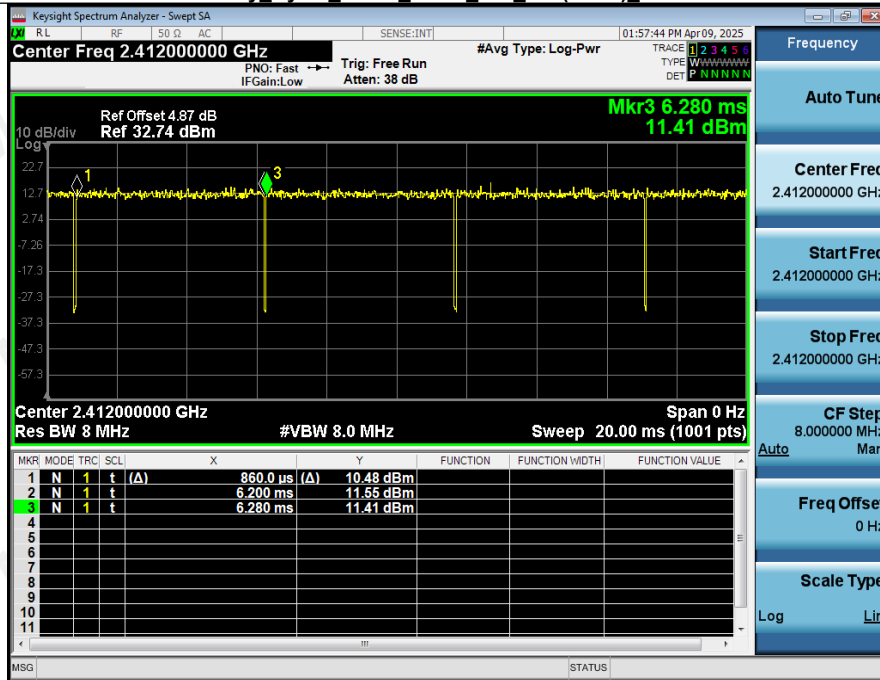


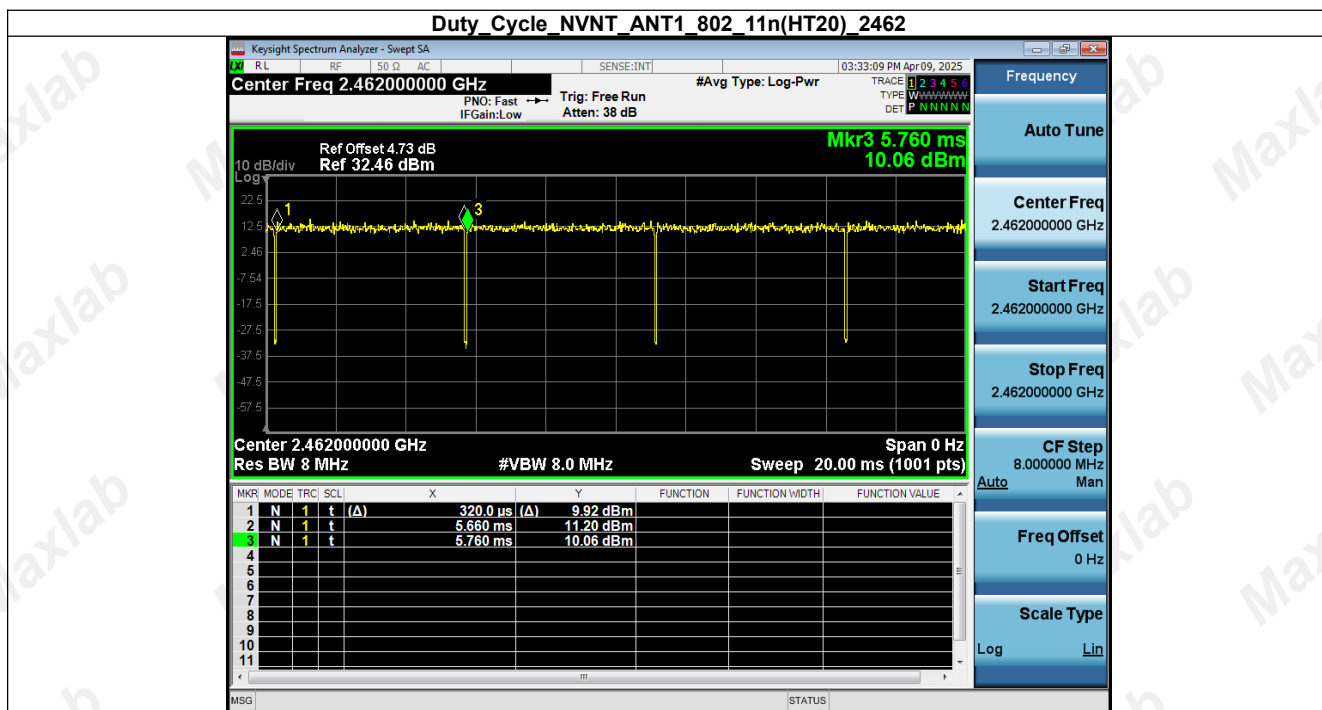
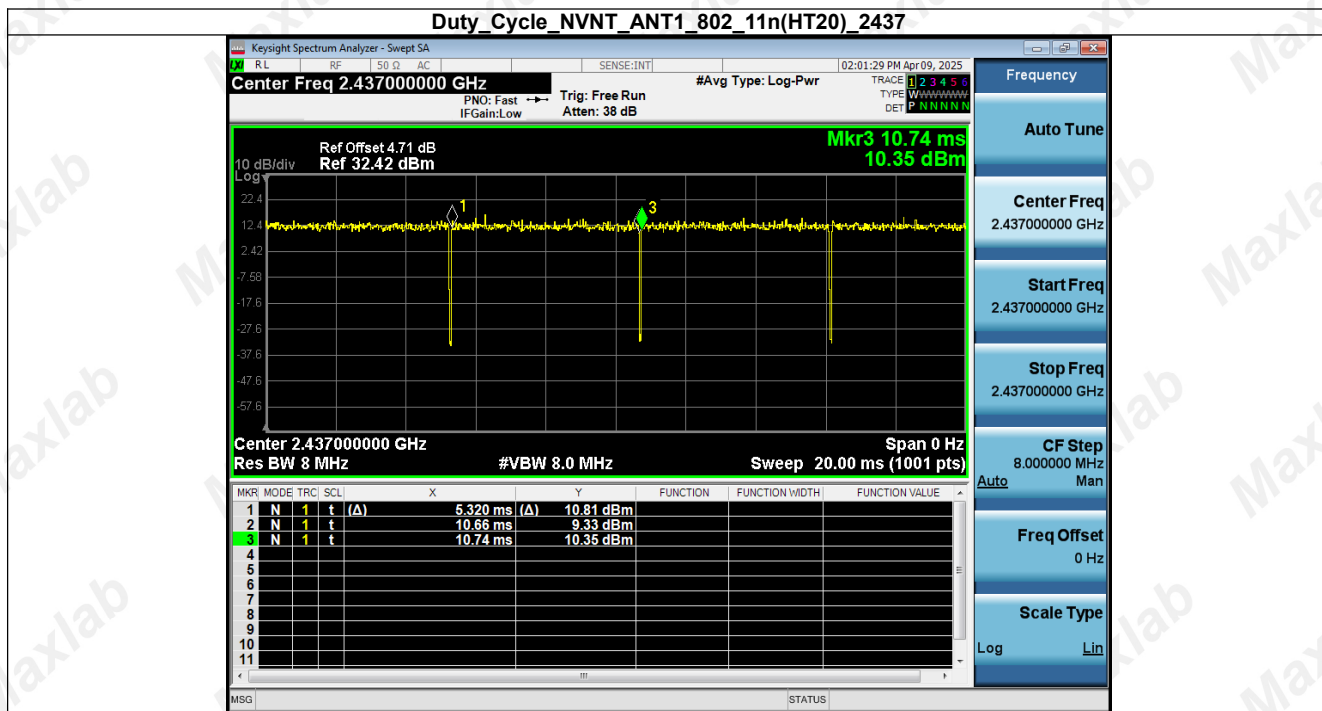


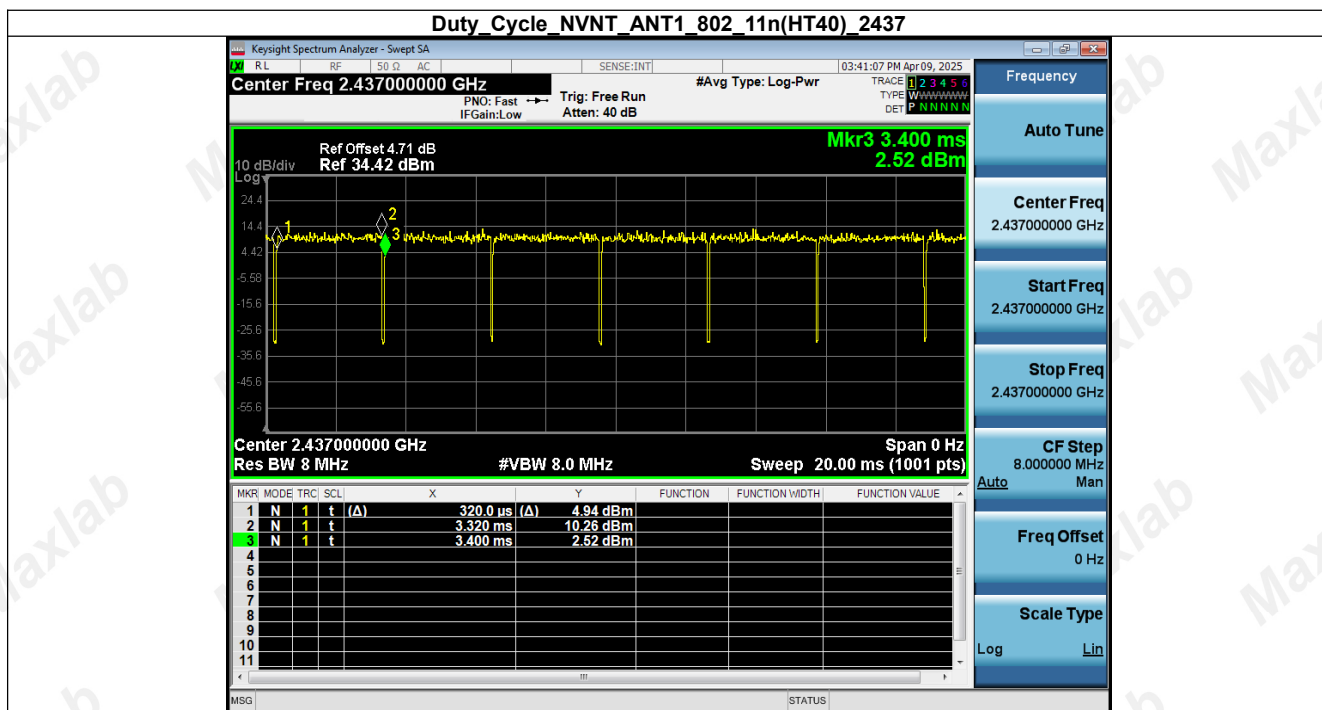
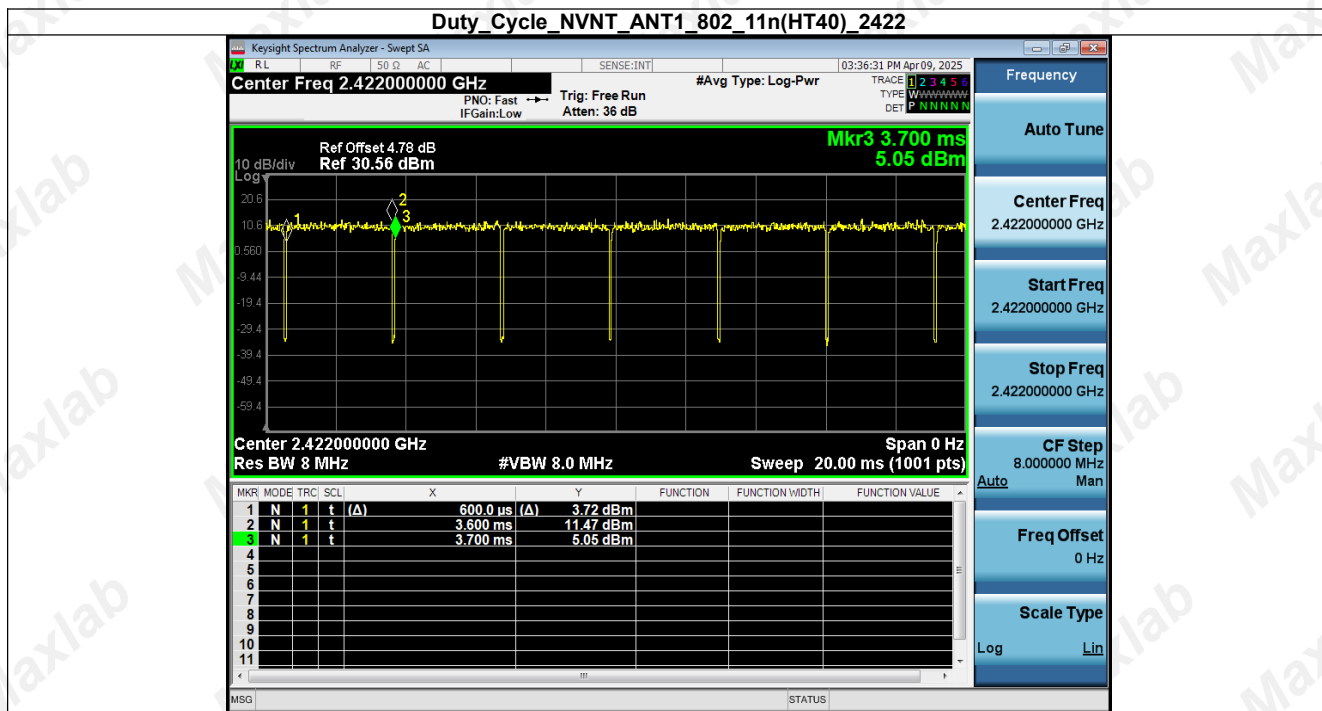
Duty Cycle NVNT_ANT1_802_11g_2462

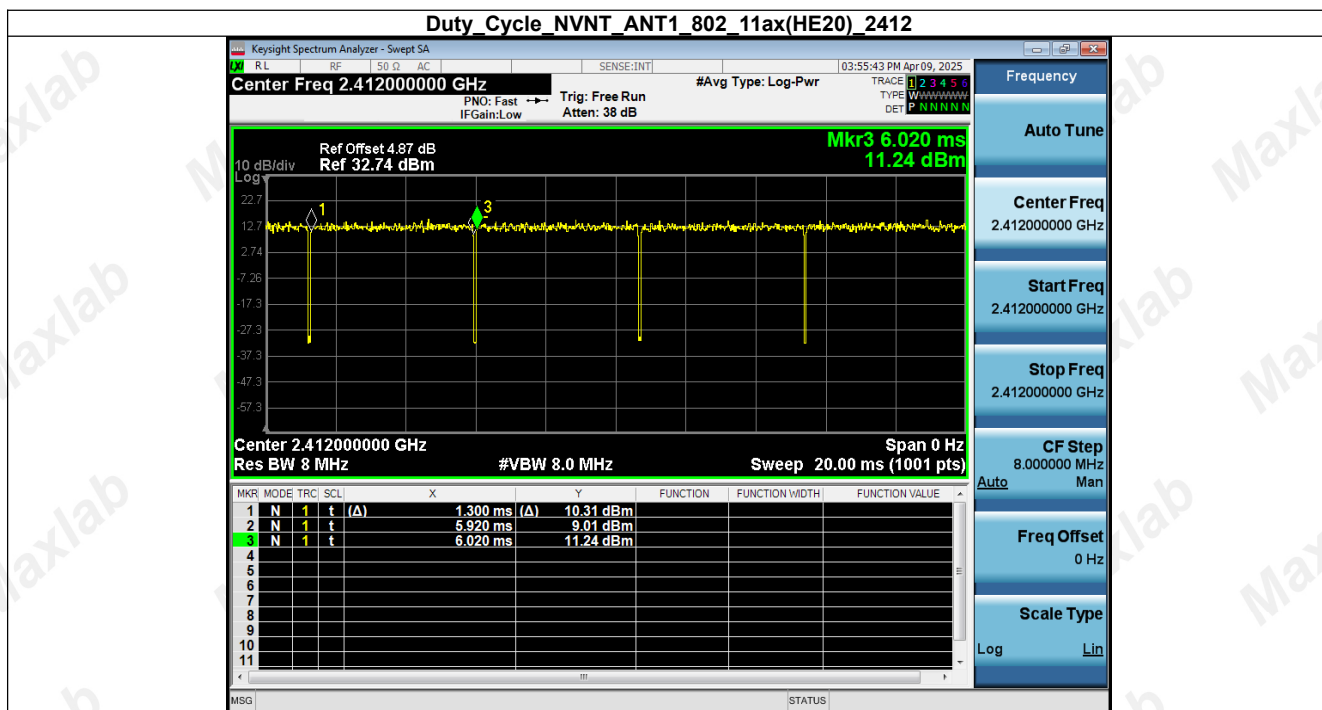
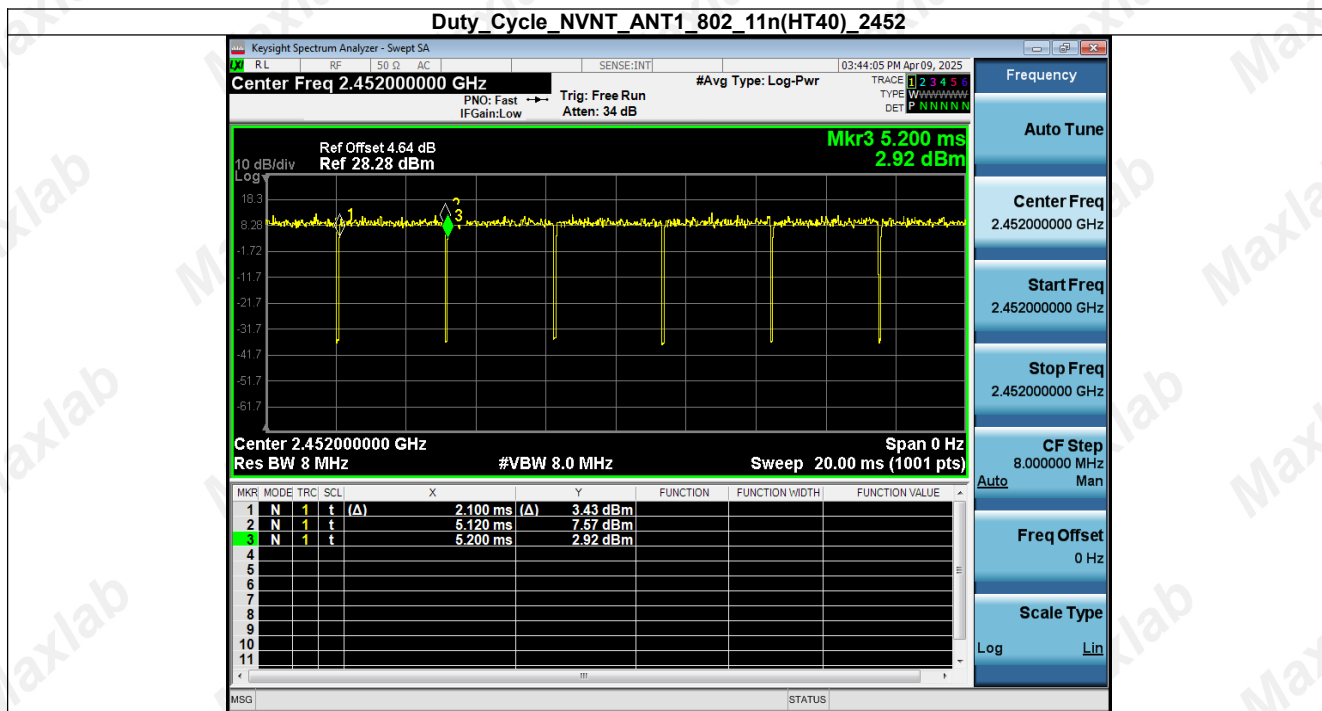


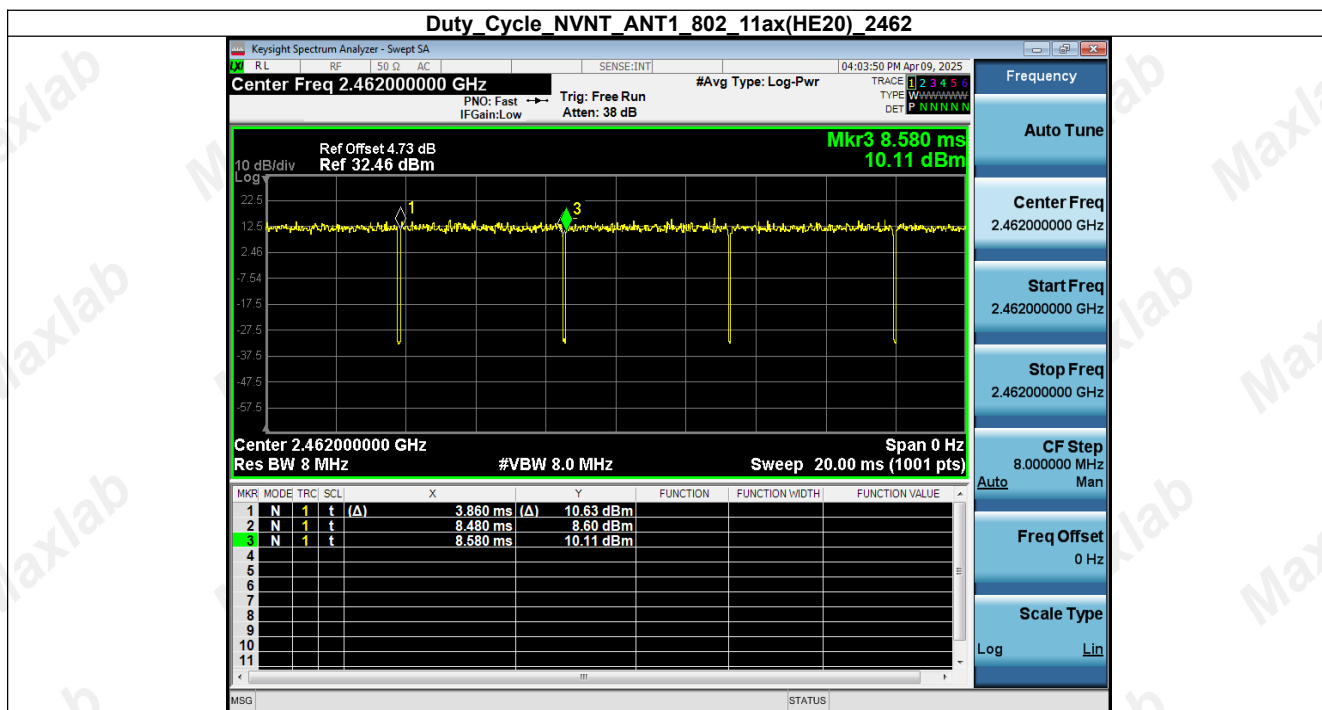
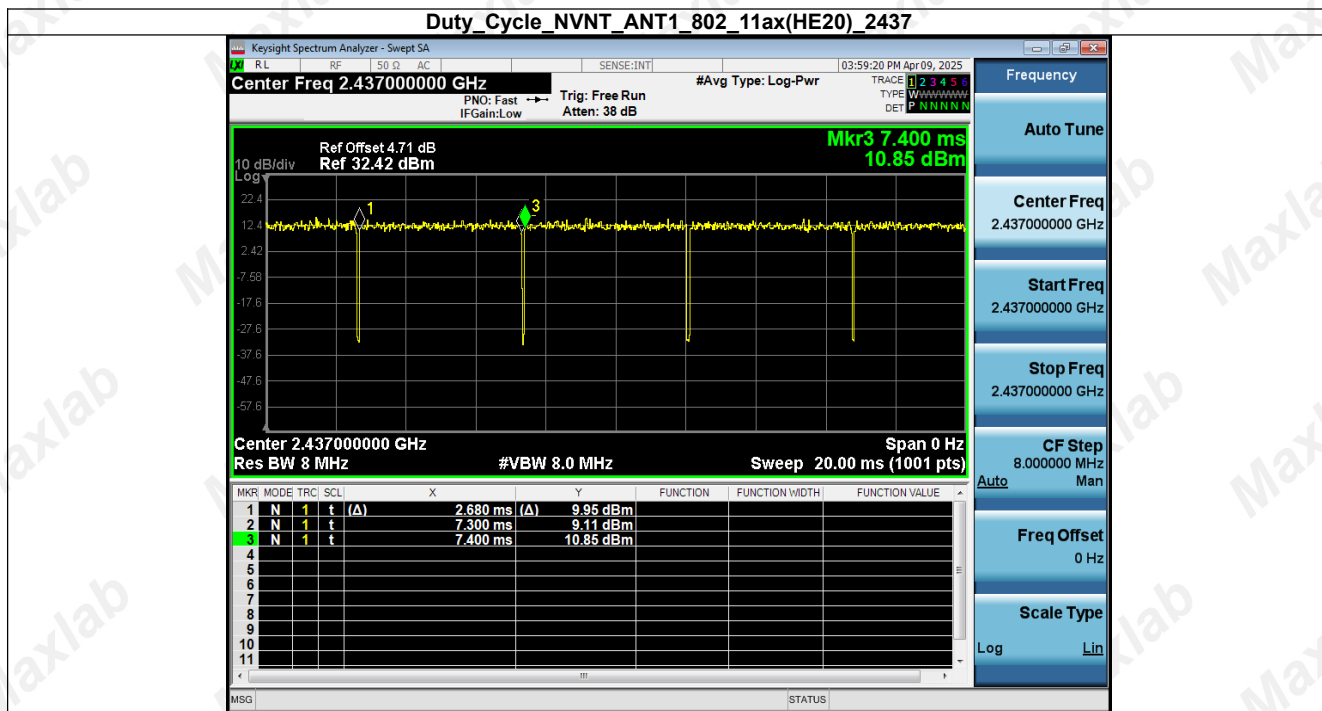
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412

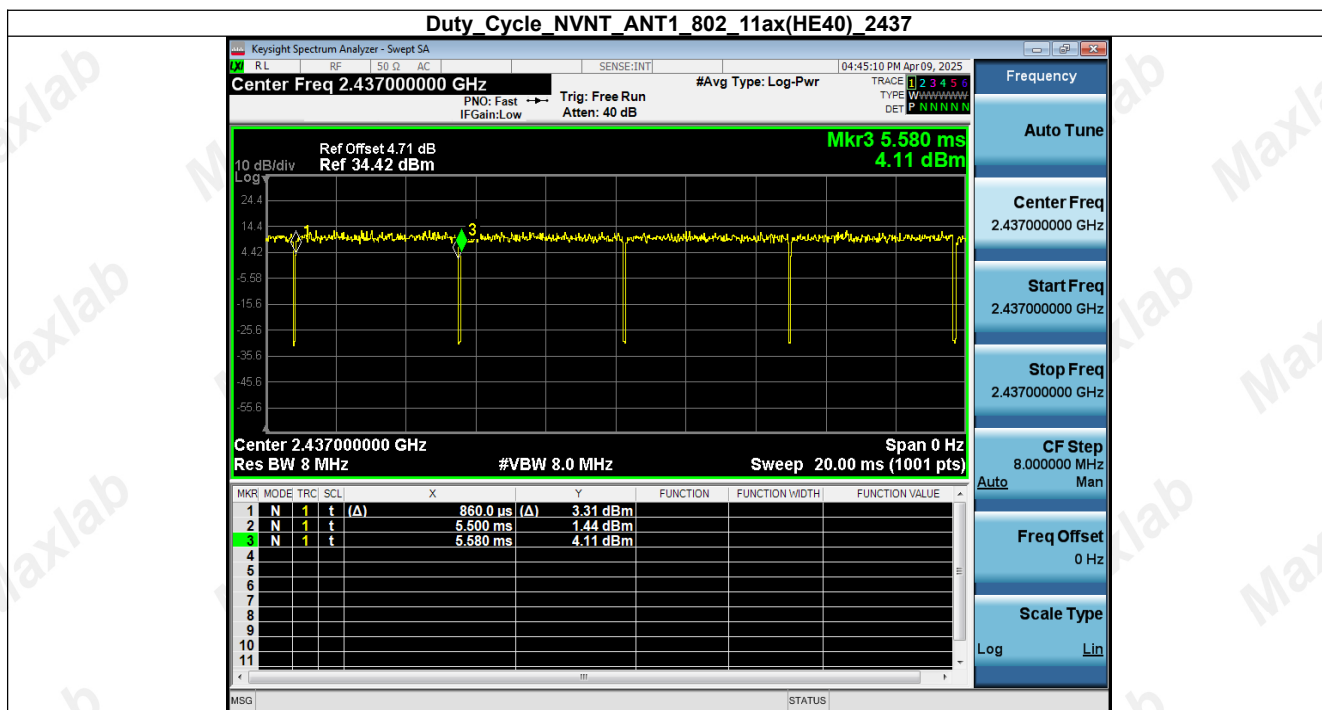
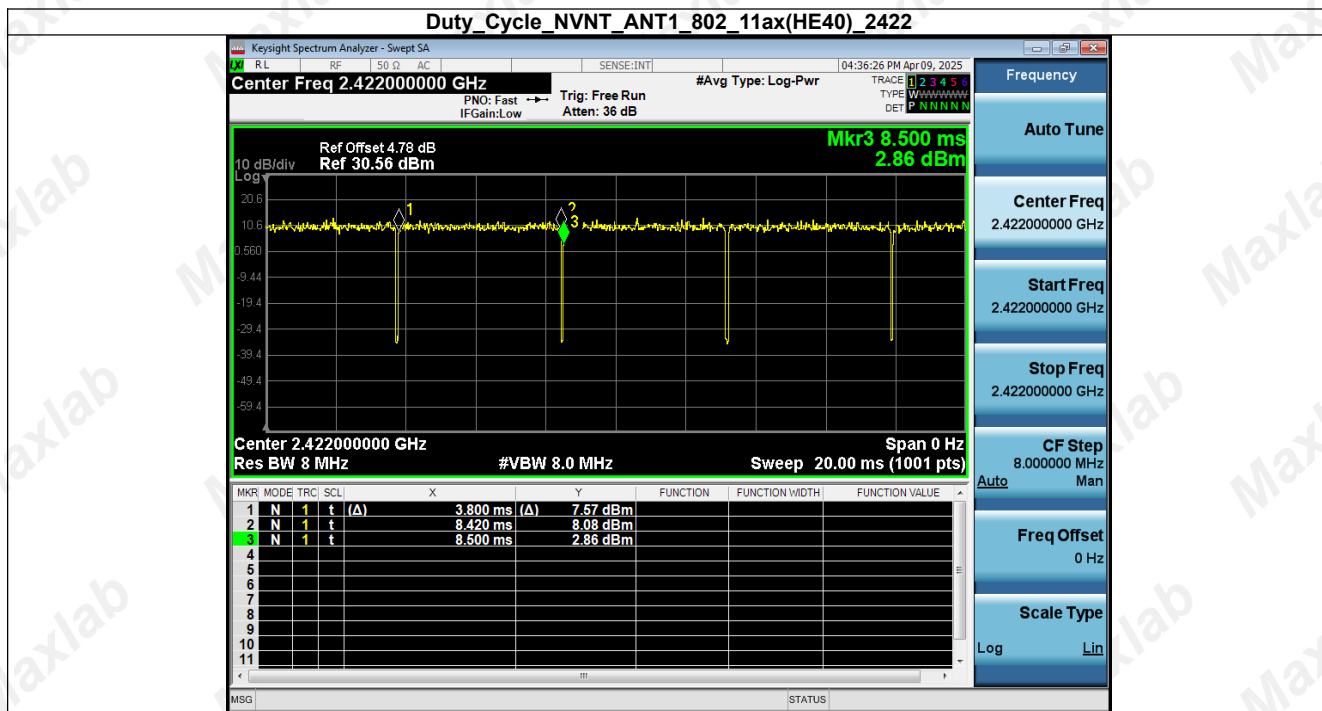




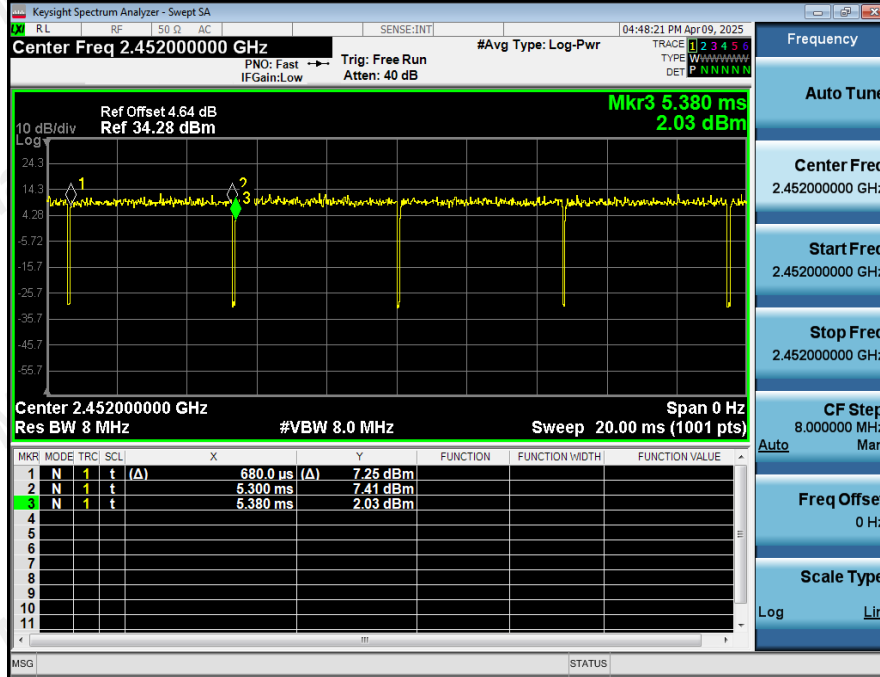






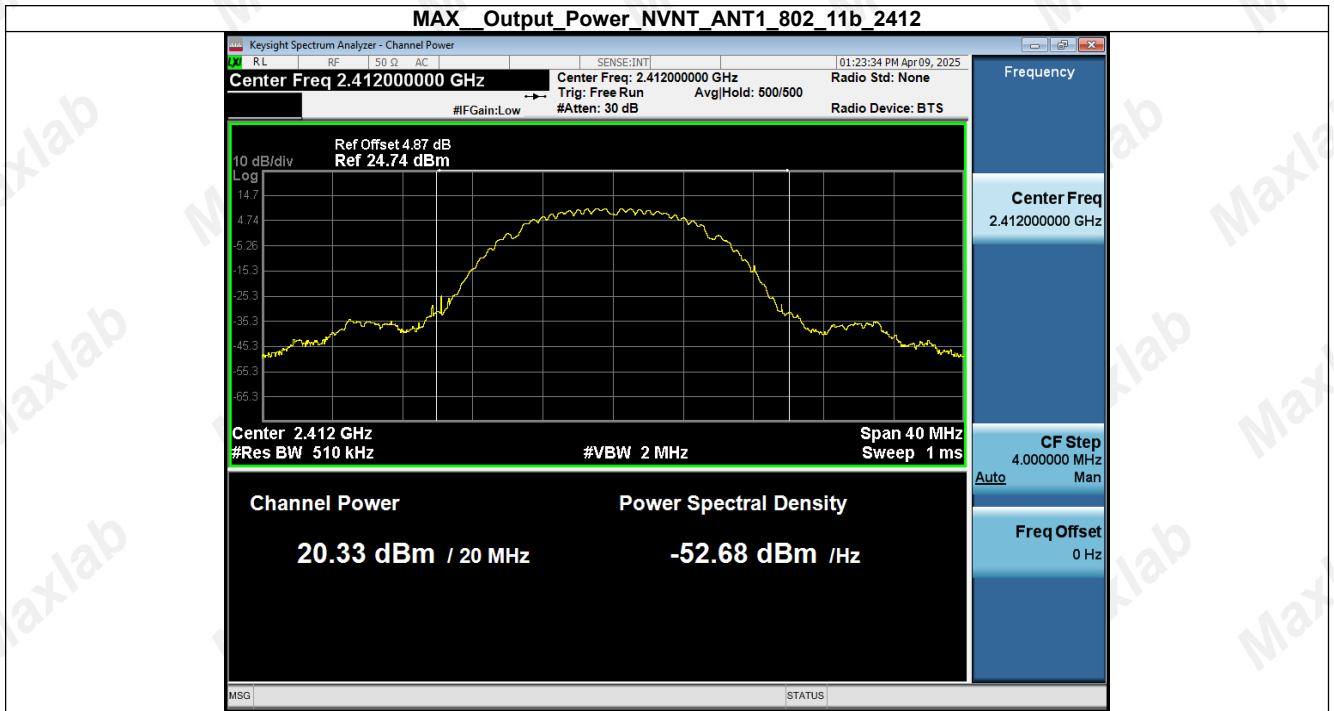


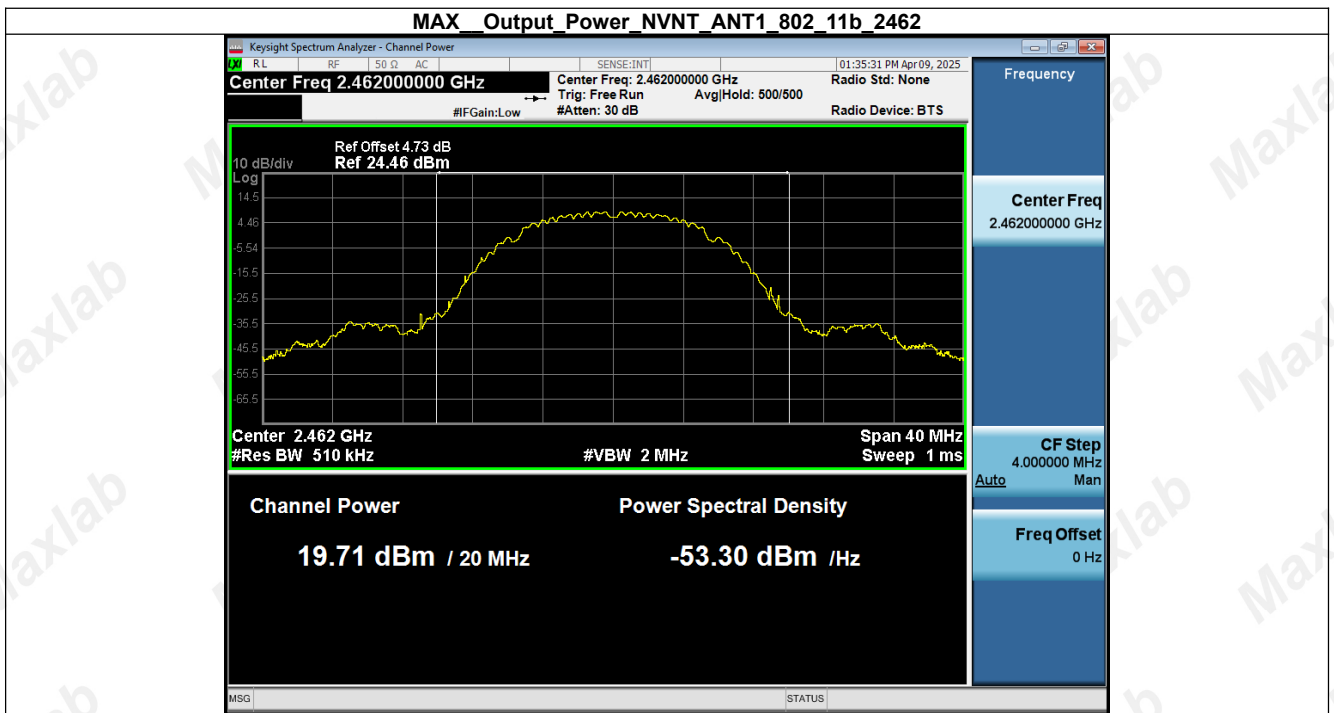
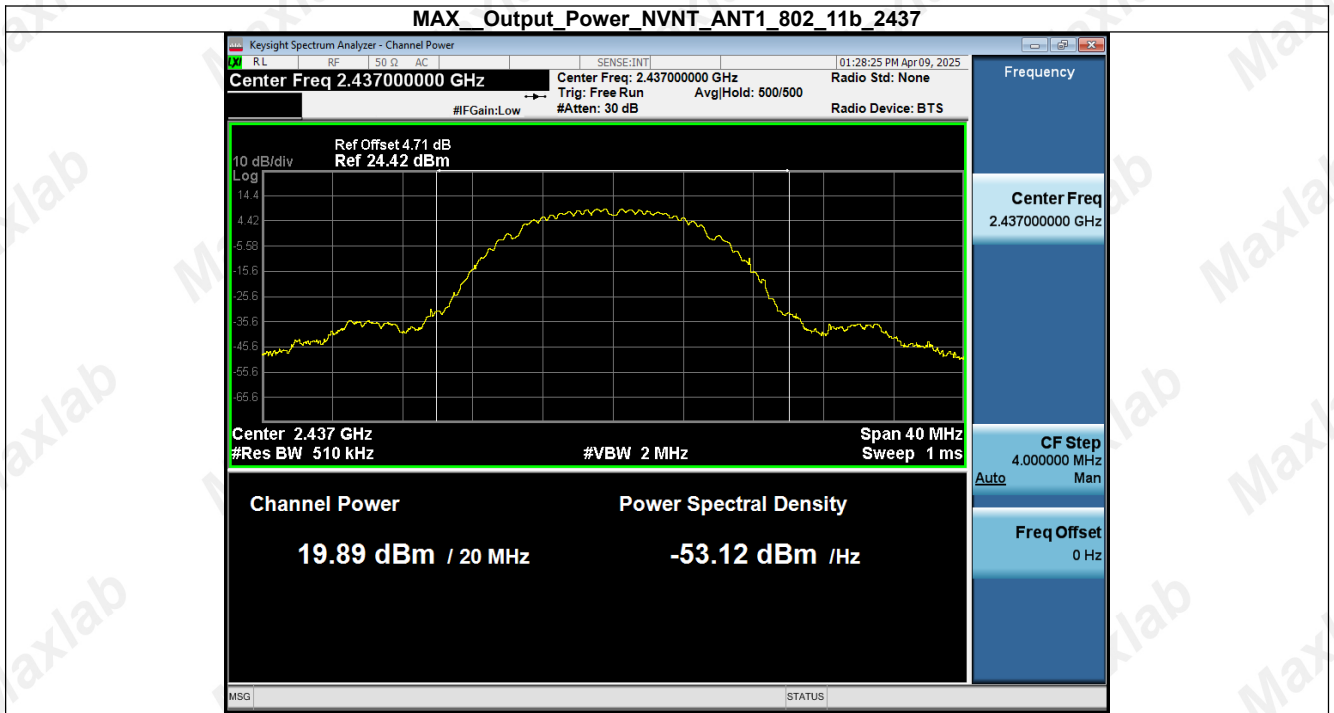
Duty Cycle NVNT_ANT1_802_11ax(HE40)_2452

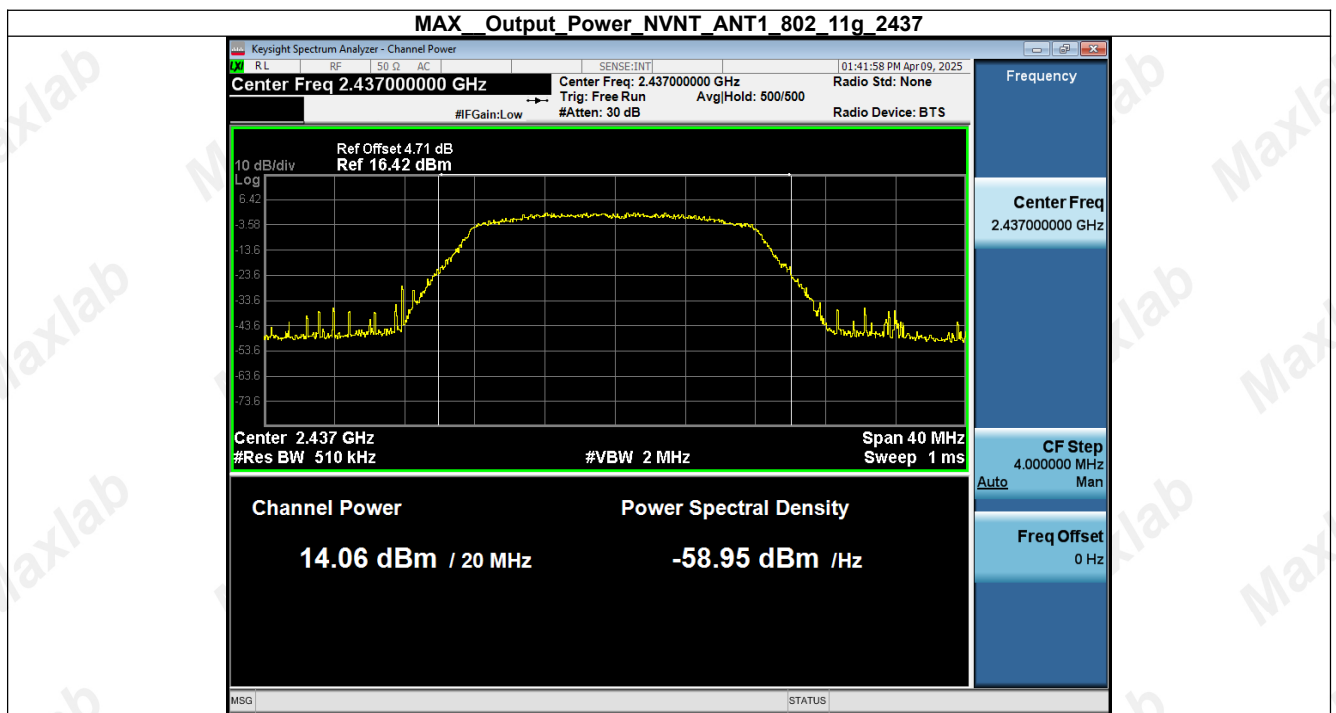
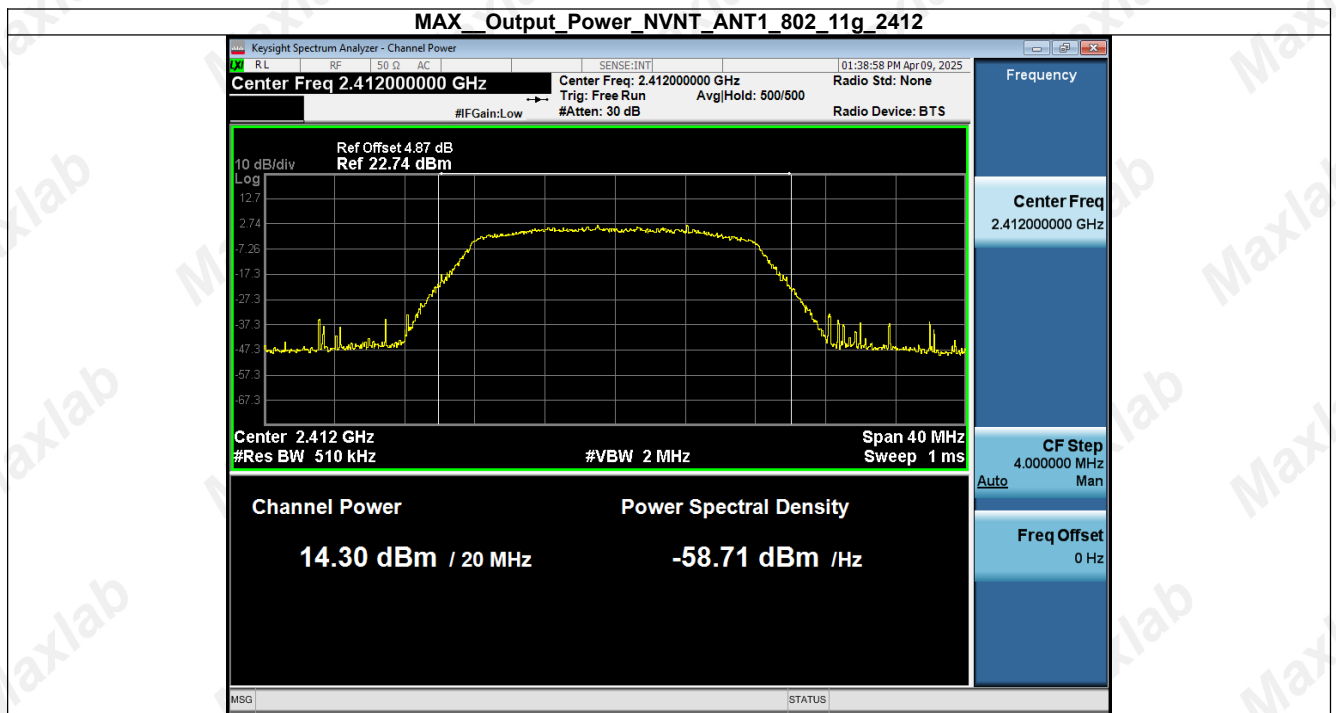


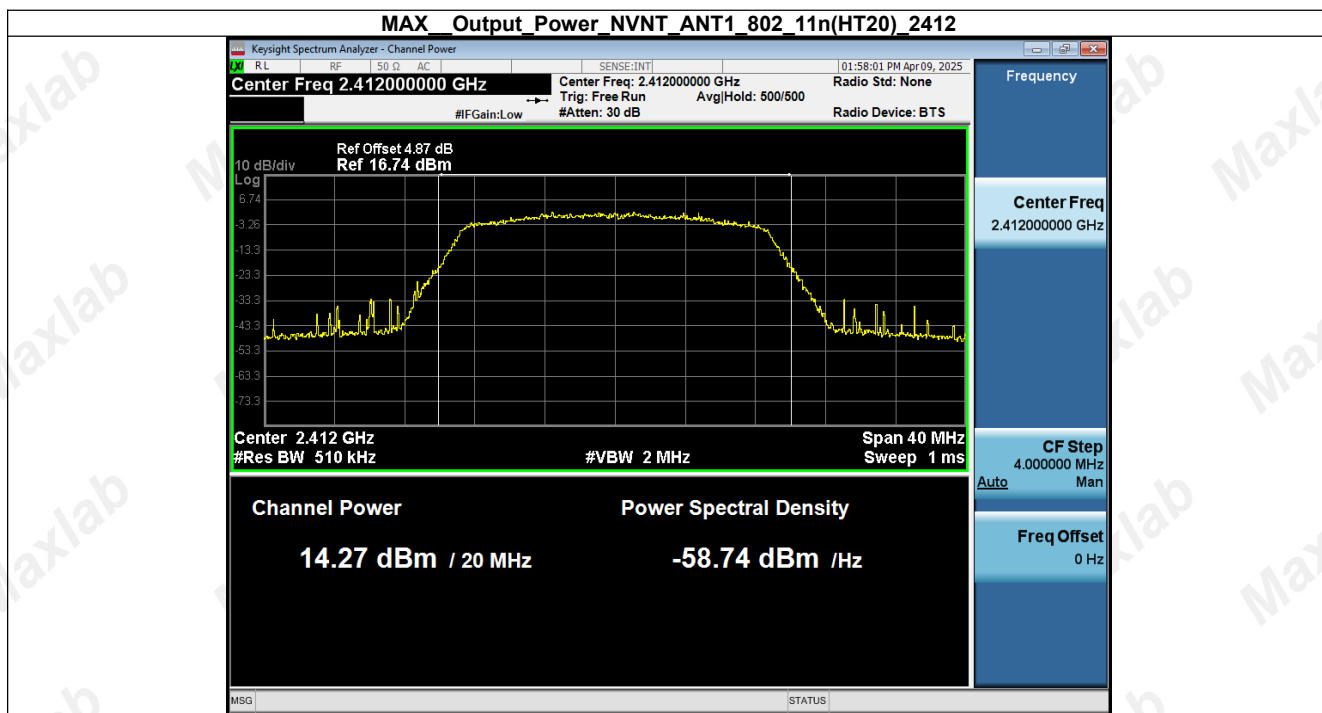
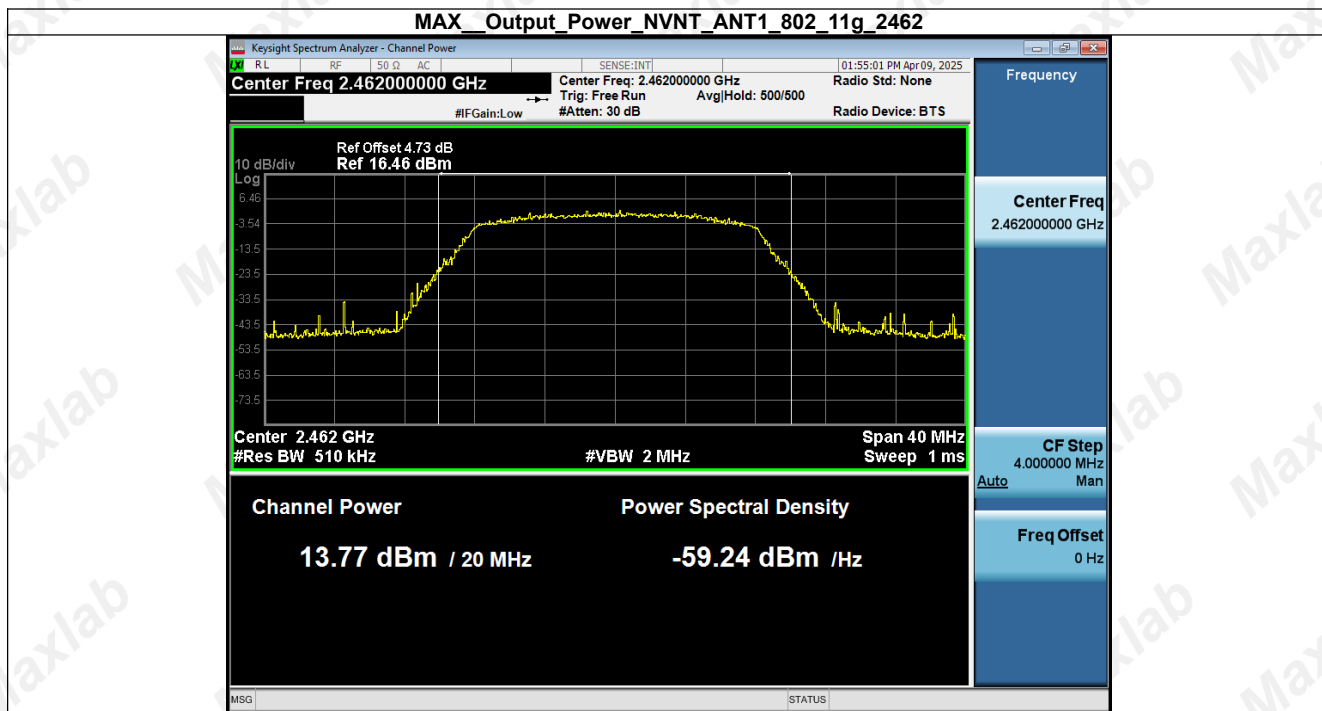
4. MAX. Output Power

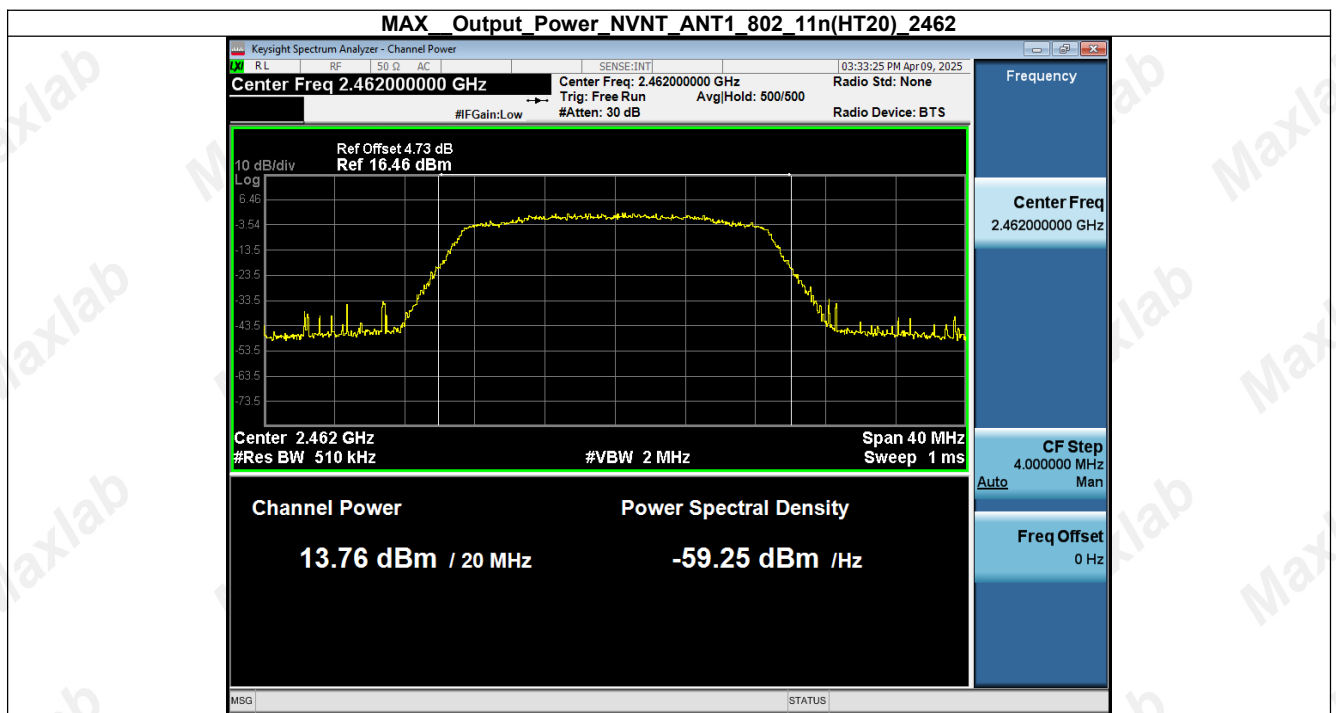
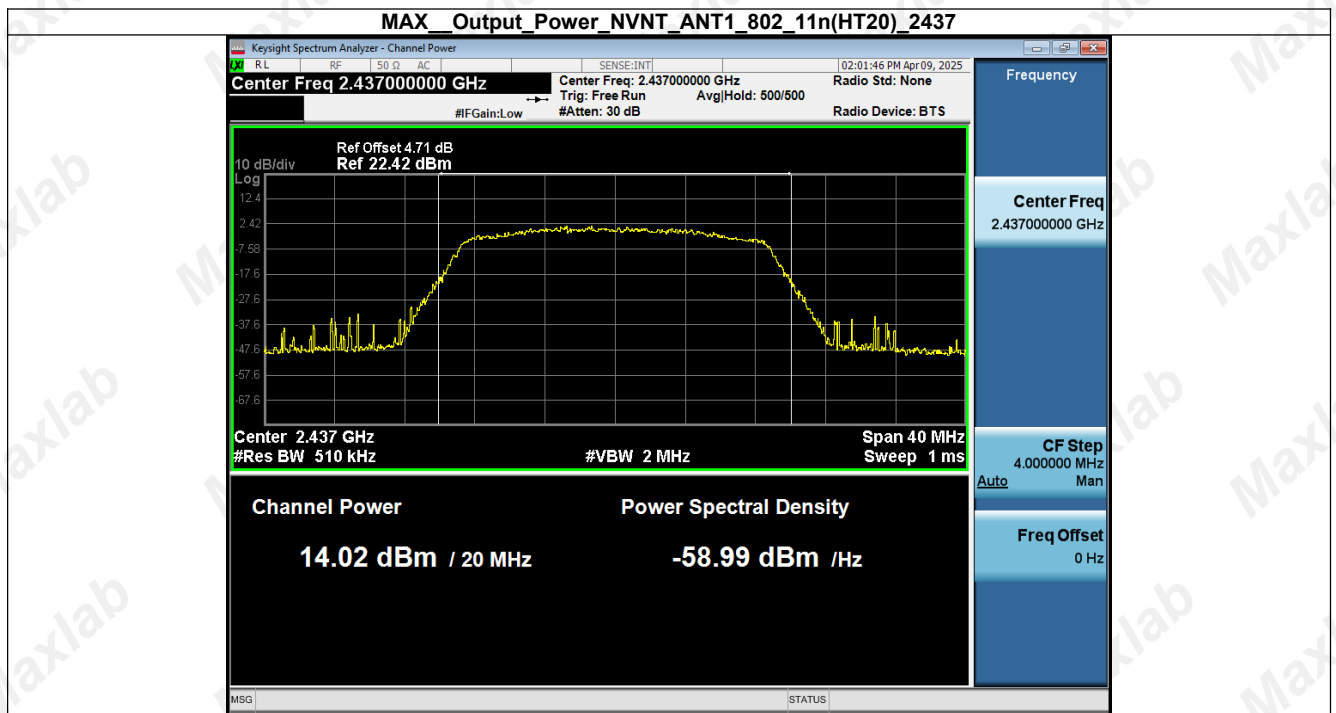
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	20.33	N/A	20.33	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	19.89	N/A	19.89	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	19.71	N/A	19.71	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	14.30	N/A	14.30	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	14.06	N/A	14.06	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	13.77	N/A	13.77	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	14.27	N/A	14.27	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	14.02	N/A	14.02	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	13.76	N/A	13.76	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	14.02	N/A	14.02	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	14.21	N/A	14.21	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	13.32	N/A	13.32	30	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	Peak	15.93	N/A	15.93	30	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	Peak	15.68	N/A	15.68	30	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	Peak	15.44	N/A	15.44	30	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	Peak	15.56	N/A	15.56	30	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	Peak	15.80	N/A	15.80	30	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	Peak	14.79	N/A	14.79	30	Pass

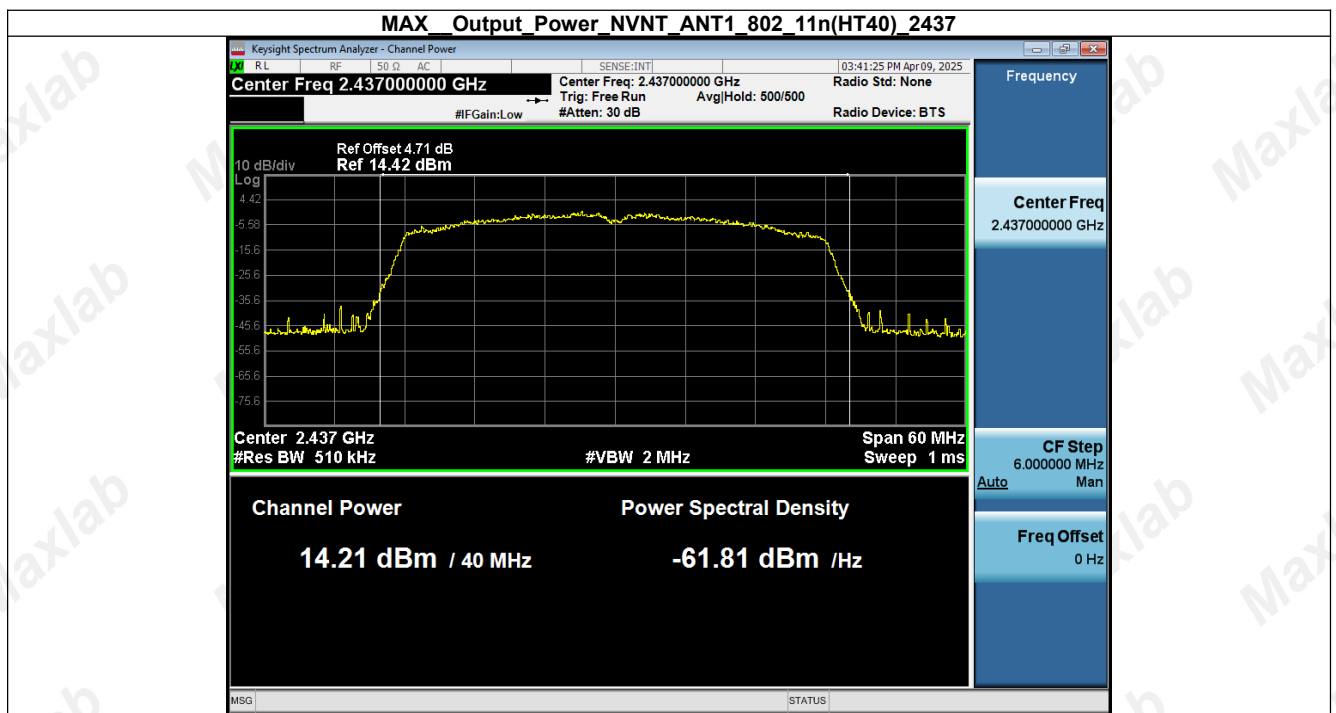
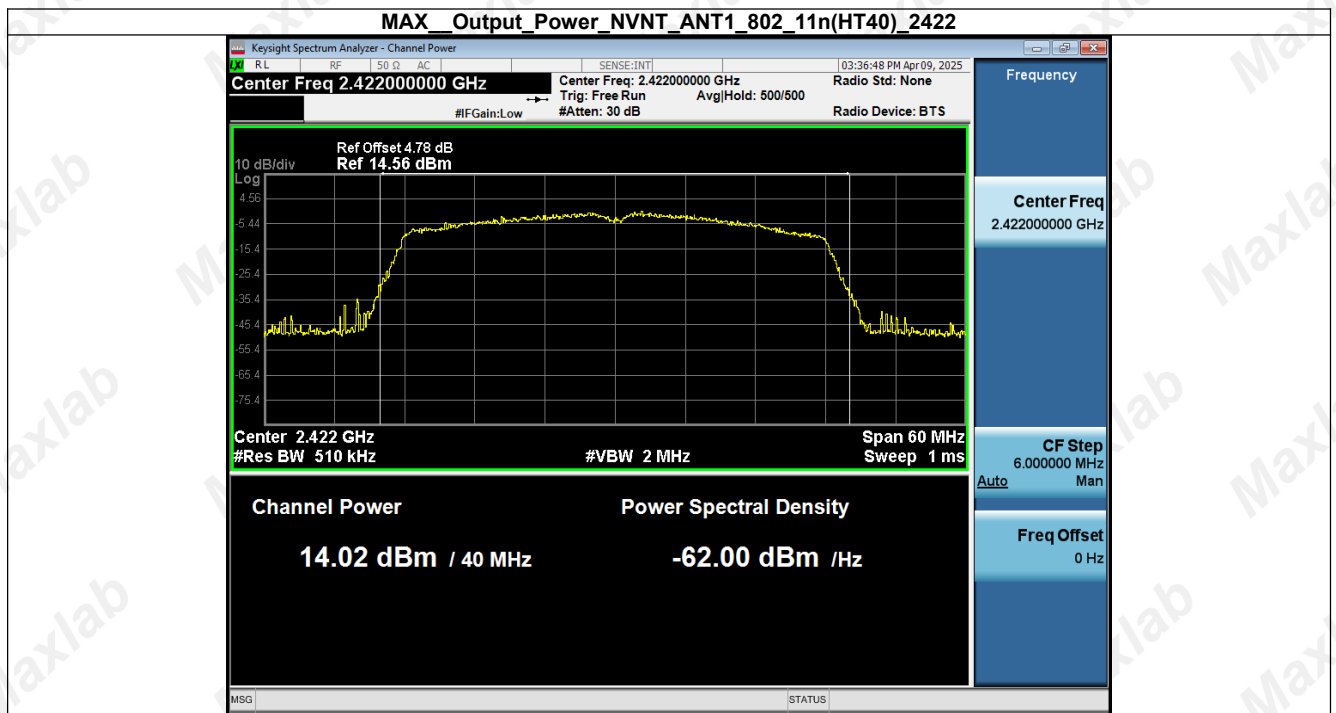




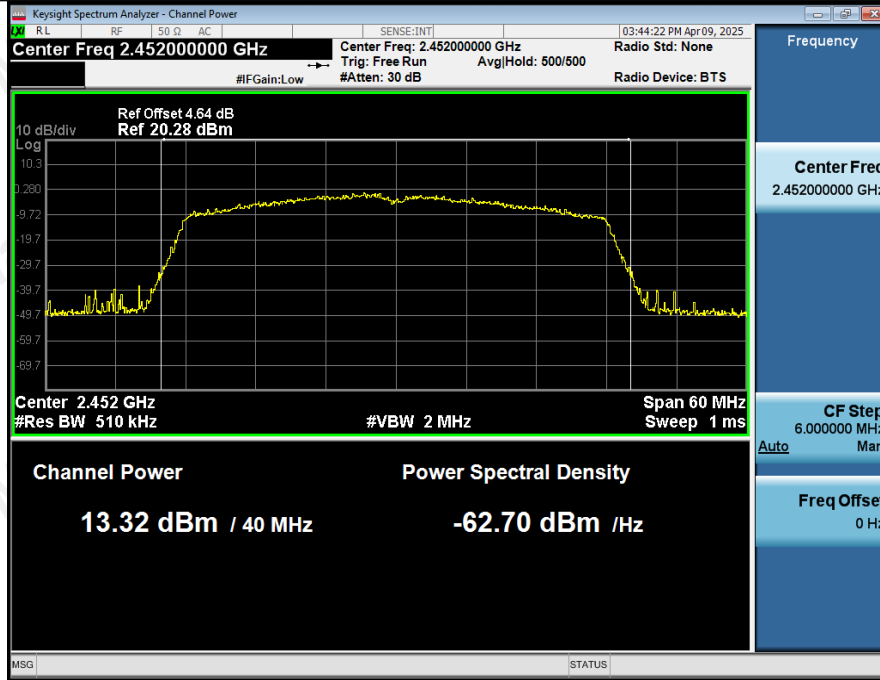




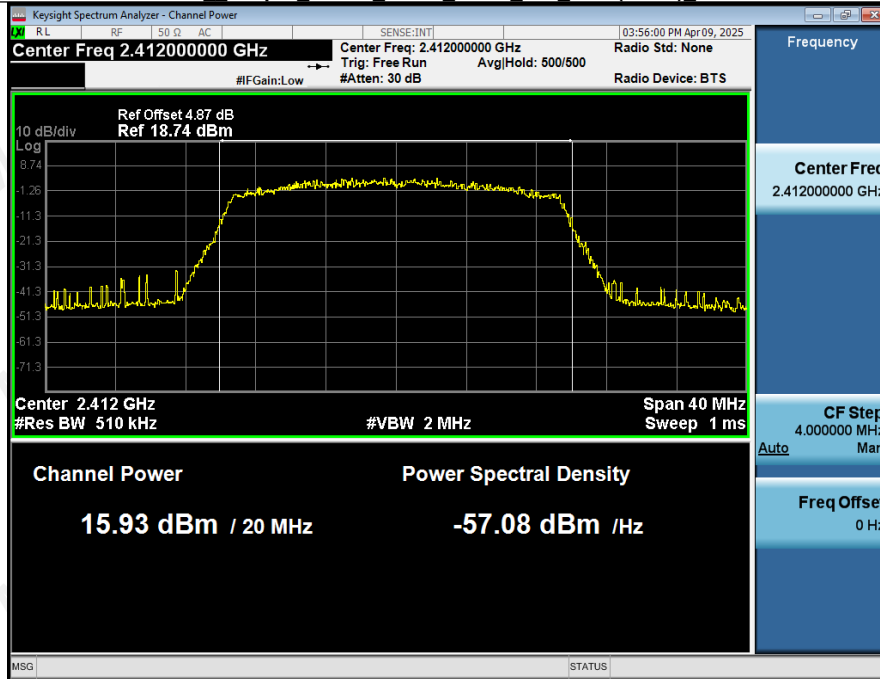


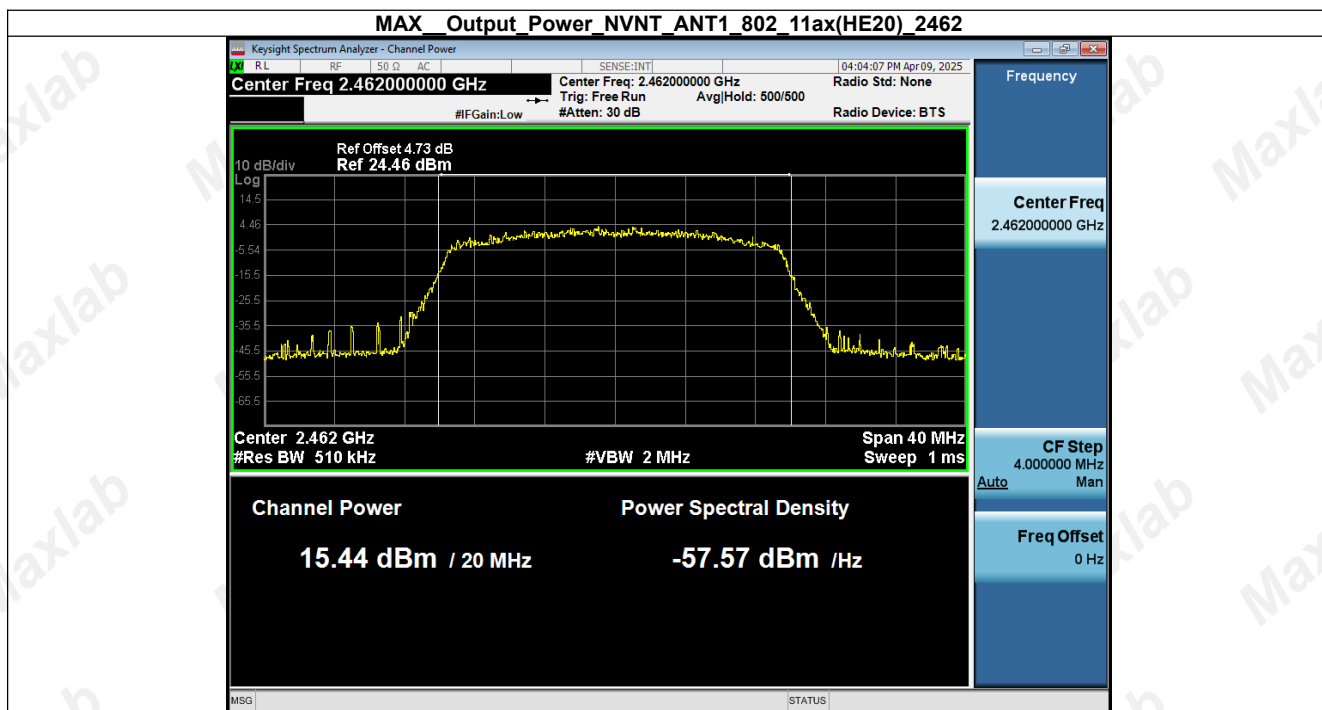
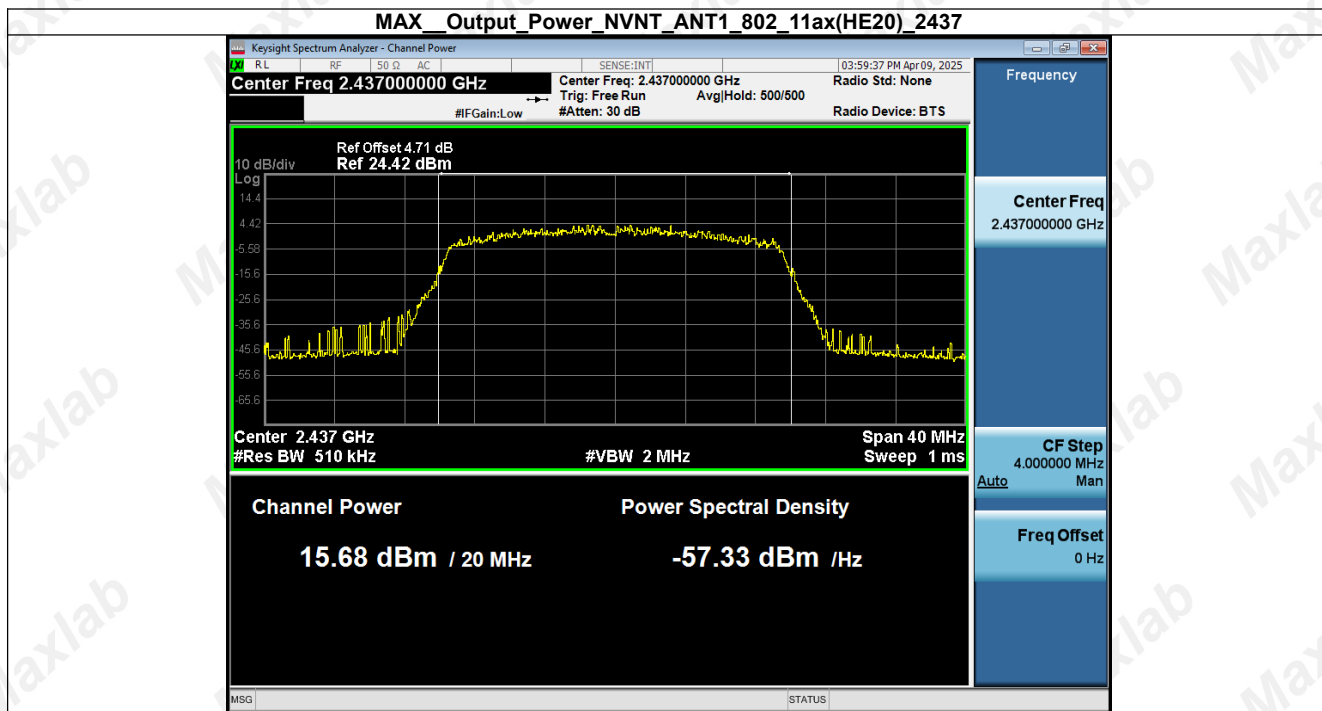


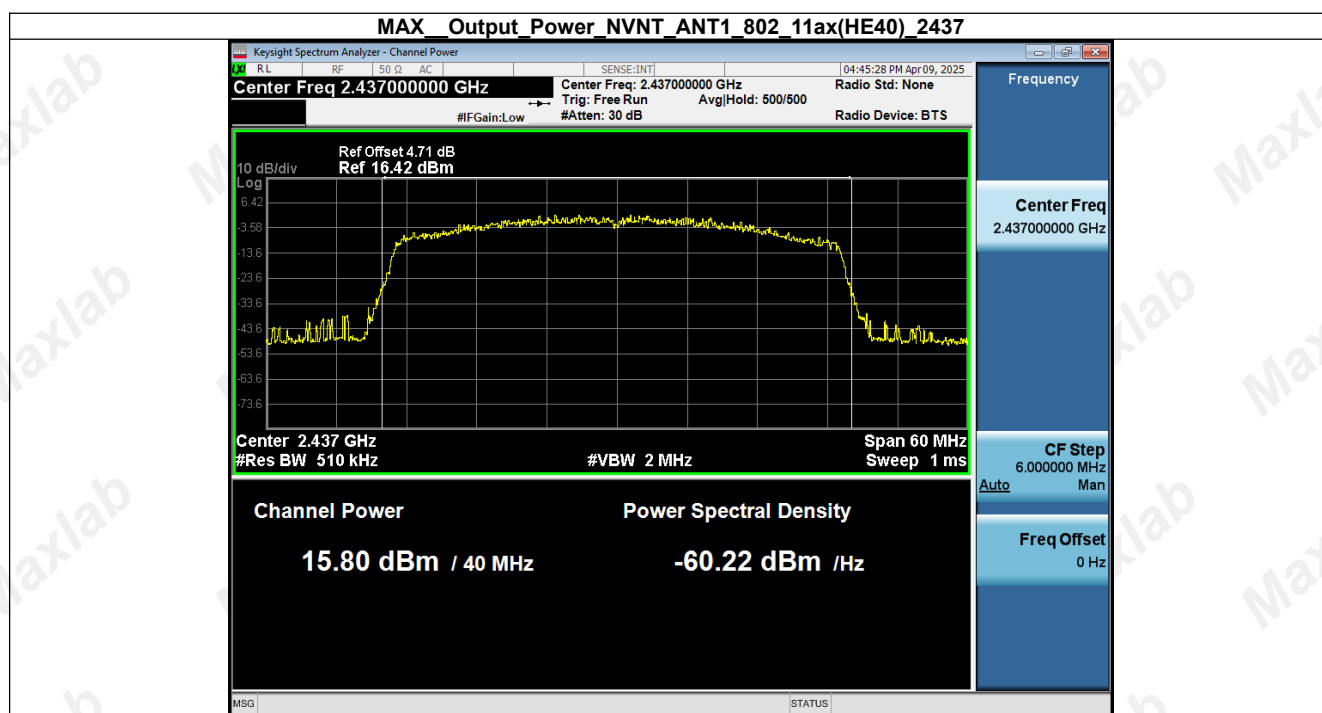
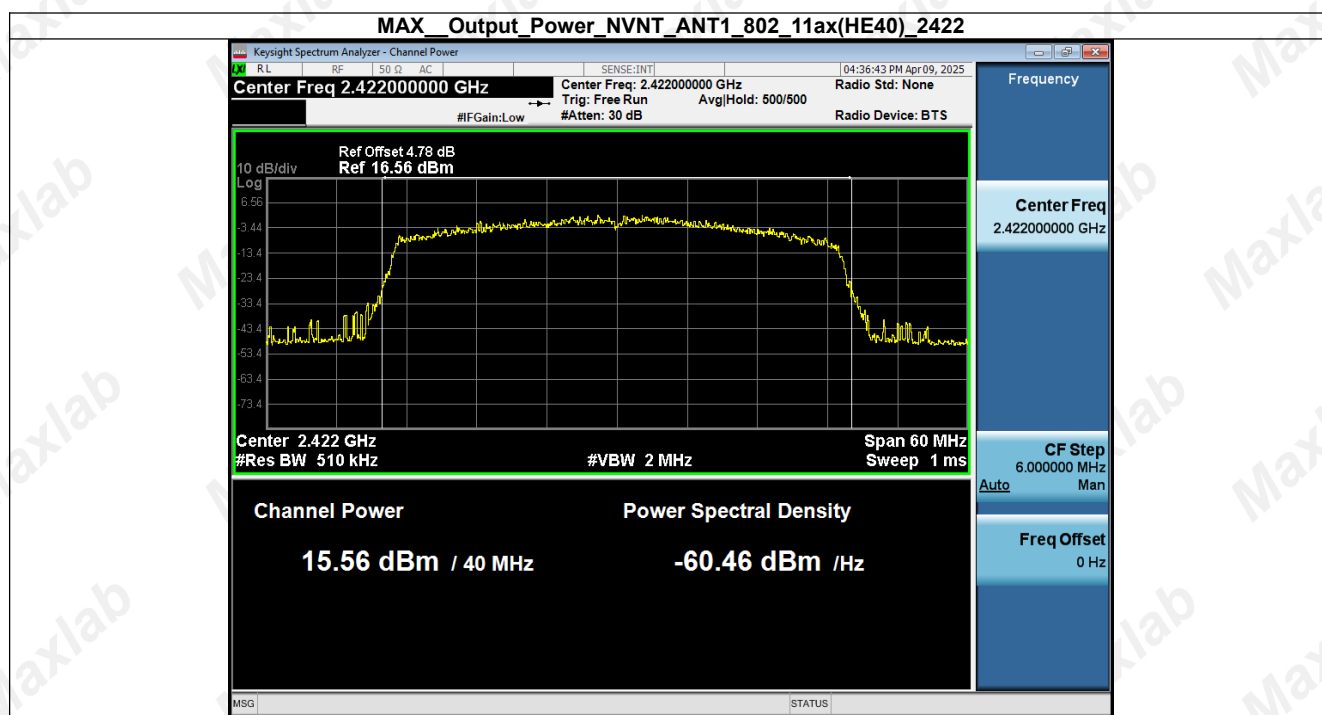
MAX Output Power_NVNT ANT1_802_11n(HT40)_2452

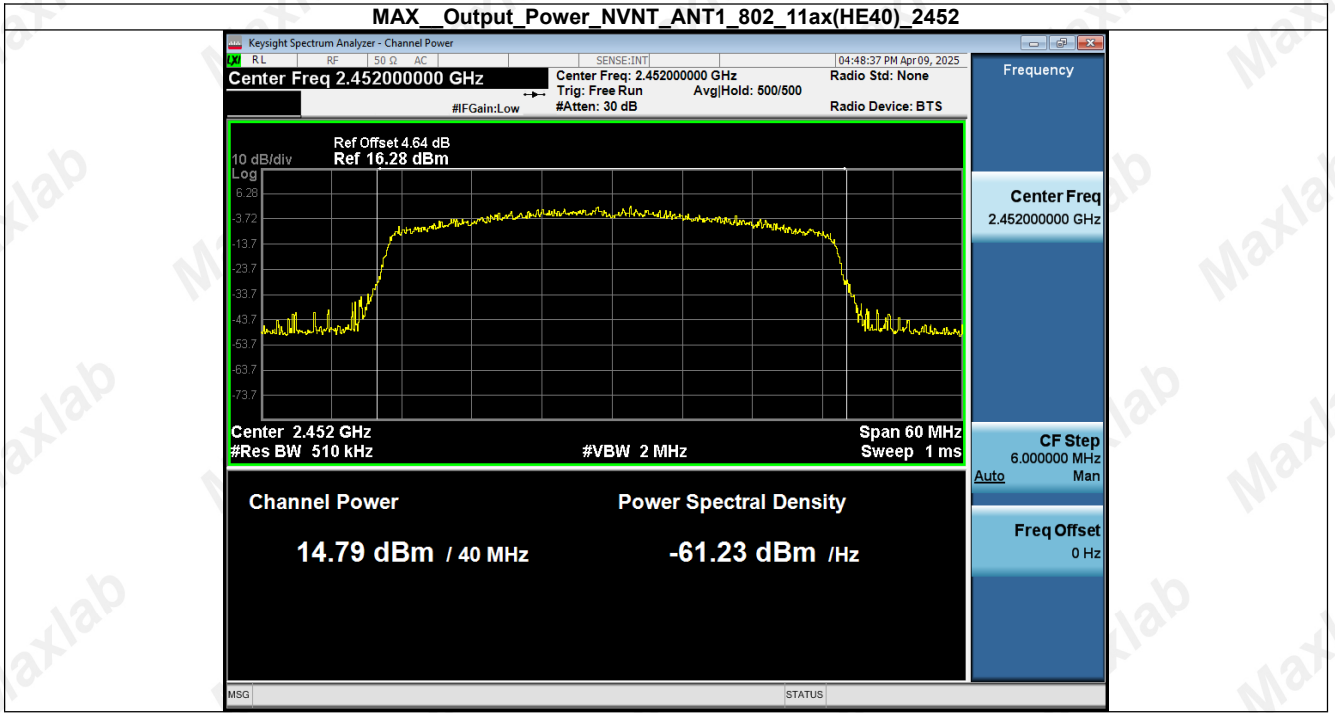


MAX Output Power_NVNT ANT1_802_11ax(HE20)_2412







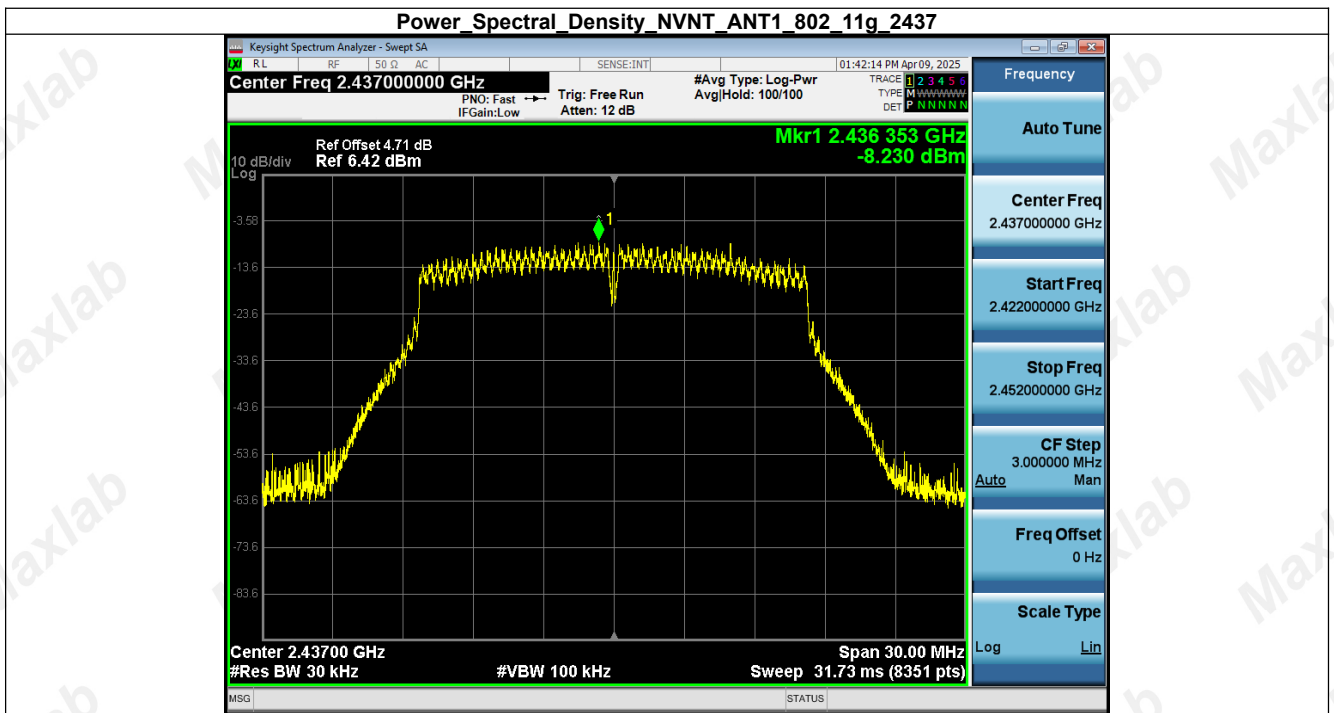
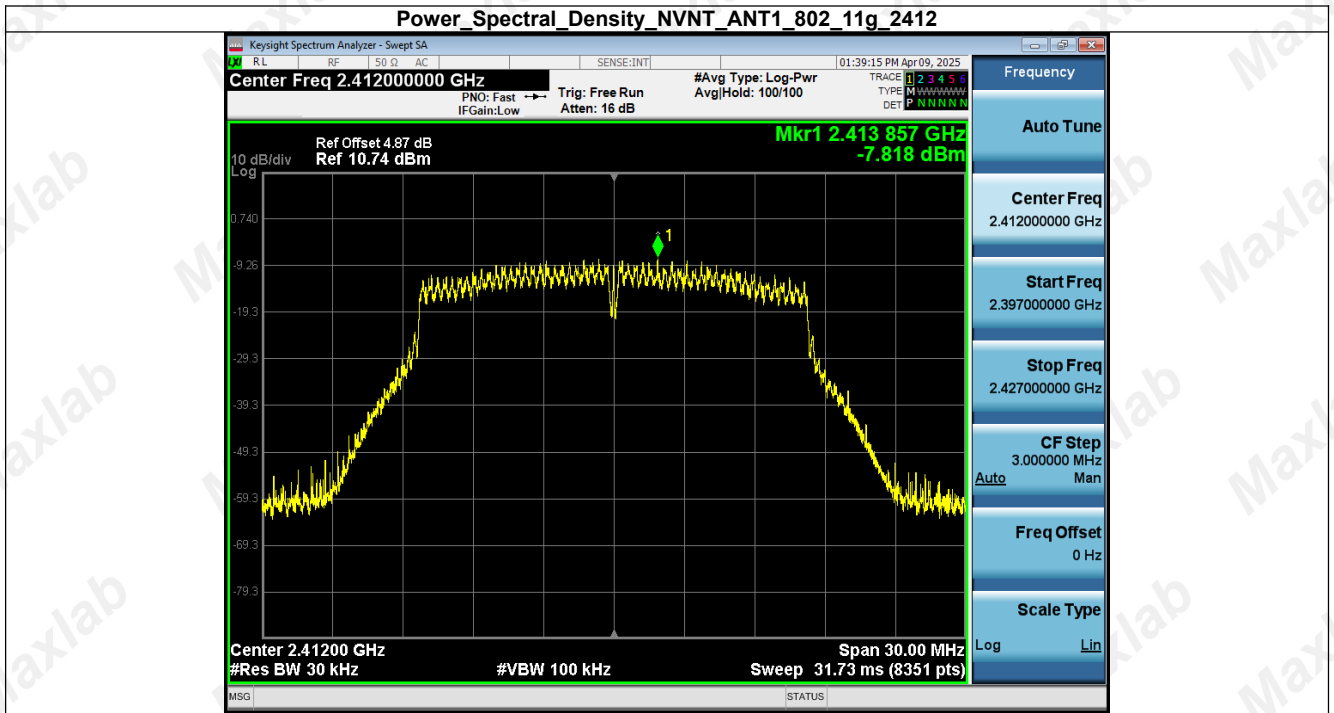


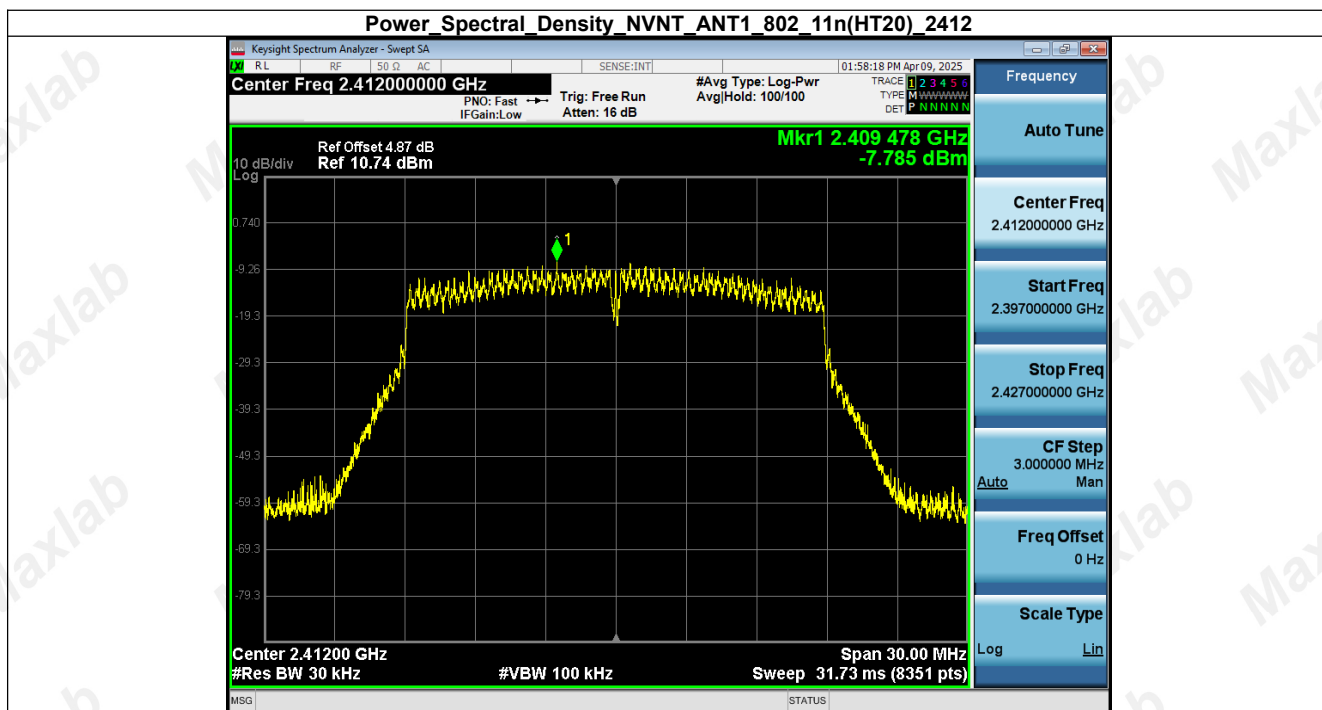
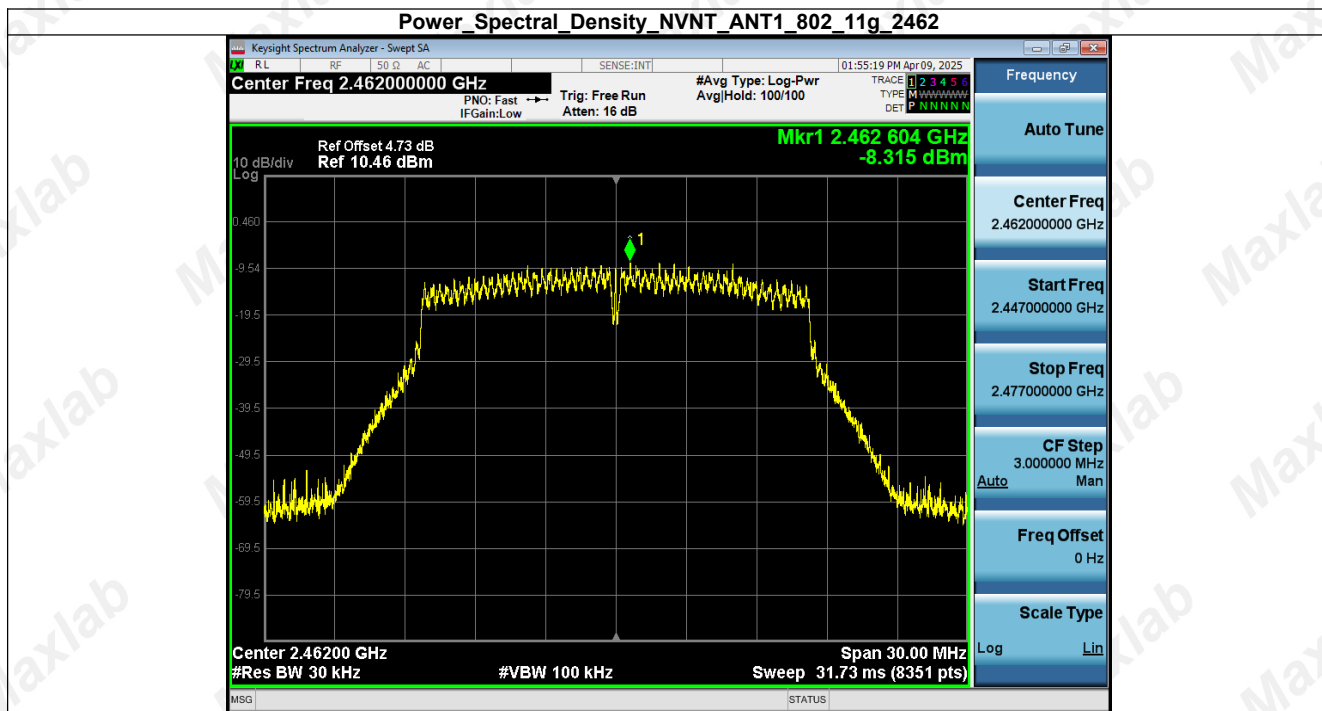
5. Power Spectral Density

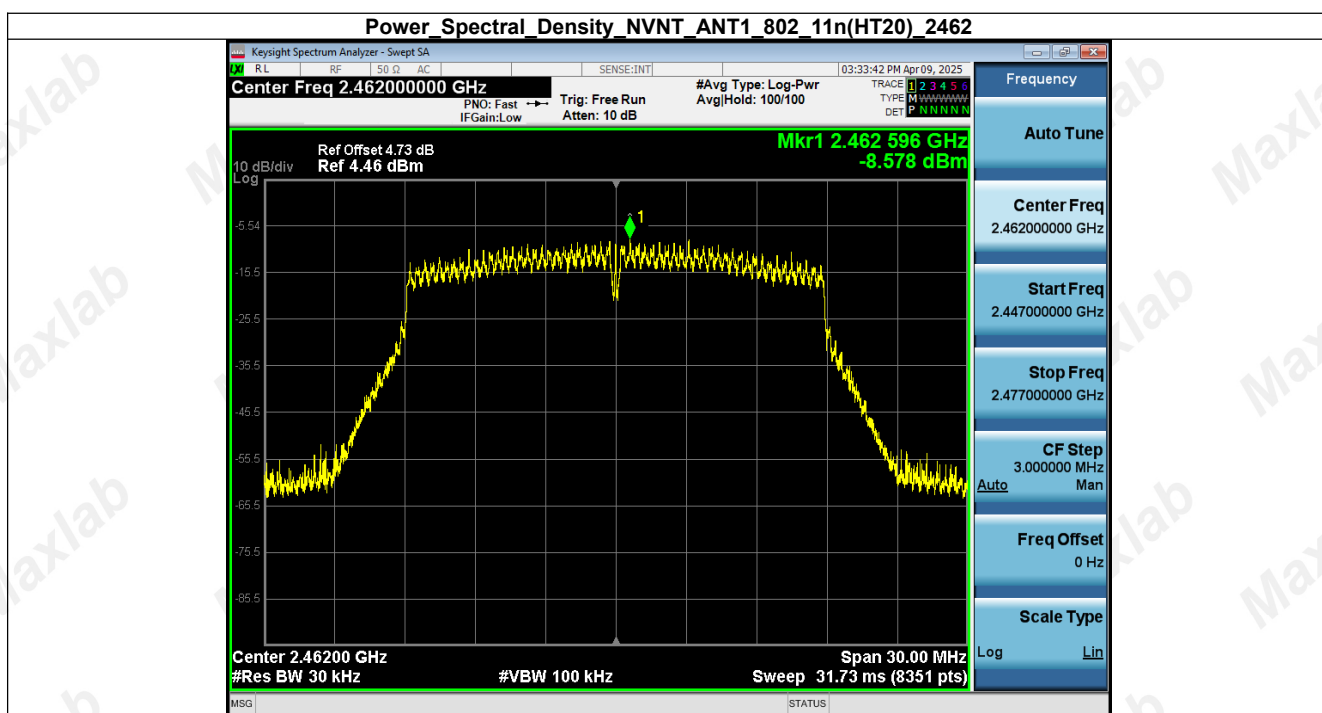
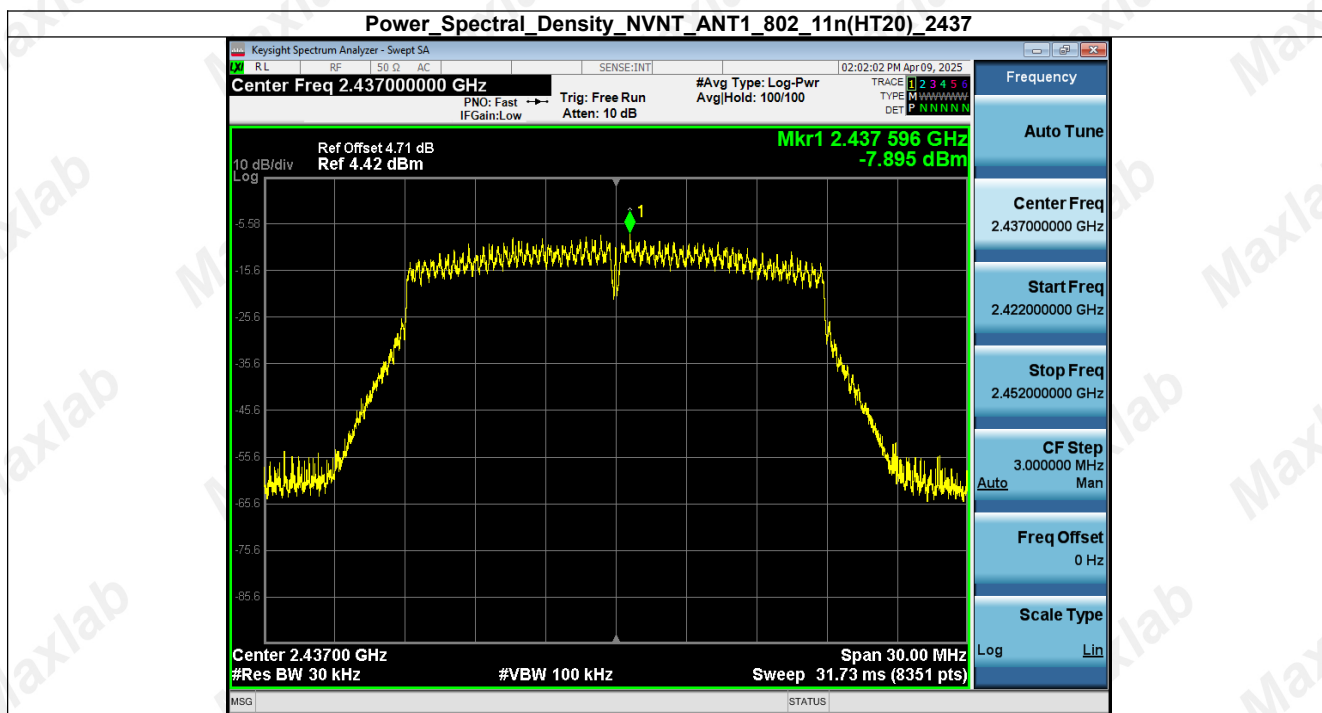
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	Duty factor(dB)	RB factor(dB)	PSD(dBm/30kHz)	limit(dBm/30kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.02	N/A	-10.00	-0.98	8	Pass
NVNT	ANT1	802.11b	2437.00	8.29	N/A	-10.00	-1.71	8	Pass
NVNT	ANT1	802.11b	2462.00	8.40	N/A	-10.00	-1.60	8	Pass
NVNT	ANT1	802.11g	2412.00	-7.82	N/A	-10.00	-17.82	8	Pass
NVNT	ANT1	802.11g	2437.00	-8.23	N/A	-10.00	-18.23	8	Pass
NVNT	ANT1	802.11g	2462.00	-8.31	N/A	-10.00	-18.31	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-7.79	N/A	-10.00	-17.79	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-7.89	N/A	-10.00	-17.89	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-8.58	N/A	-10.00	-18.58	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-9.32	N/A	-10.00	-19.32	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-9.19	N/A	-10.00	-19.19	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-9.69	N/A	-10.00	-19.69	8	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	-9.35	N/A	-10.00	-19.35	8	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	-8.66	N/A	-10.00	-18.66	8	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	-9.38	N/A	-10.00	-19.38	8	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	-10.03	N/A	-10.00	-20.03	8	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	-9.40	N/A	-10.00	-19.40	8	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	-9.87	N/A	-10.00	-19.87	8	Pass

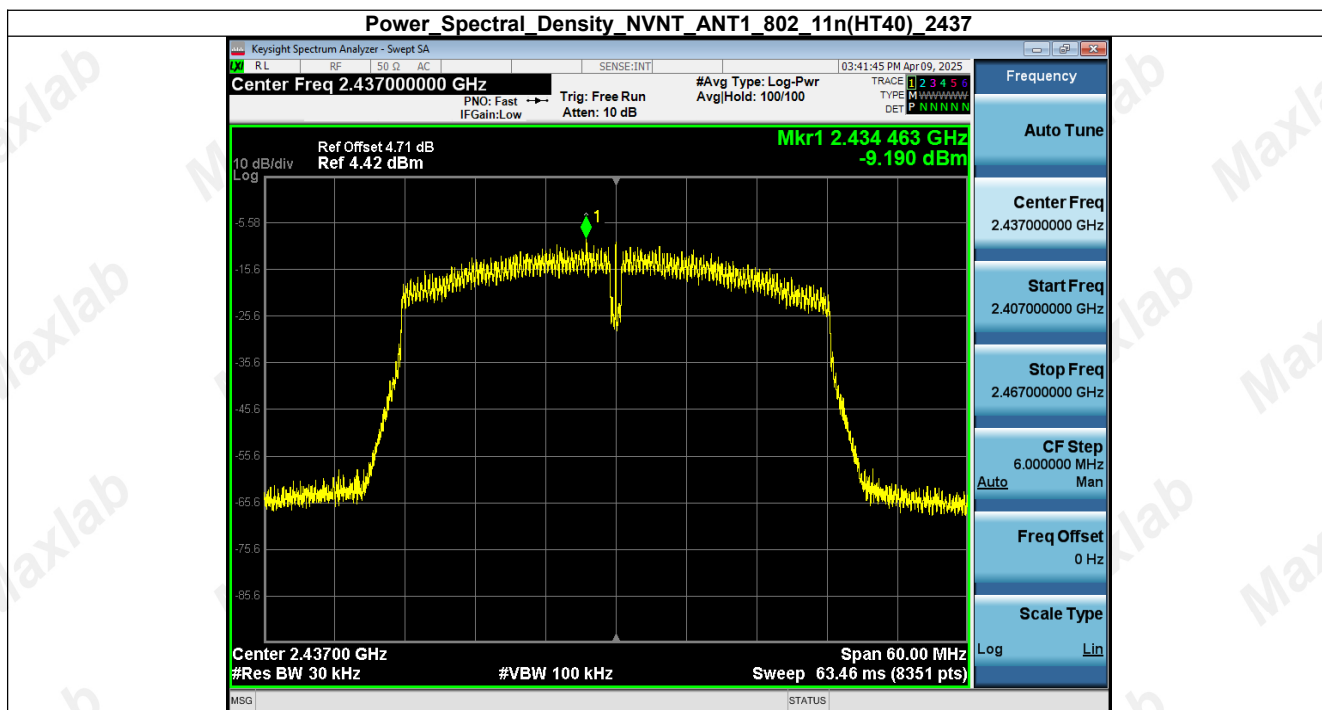
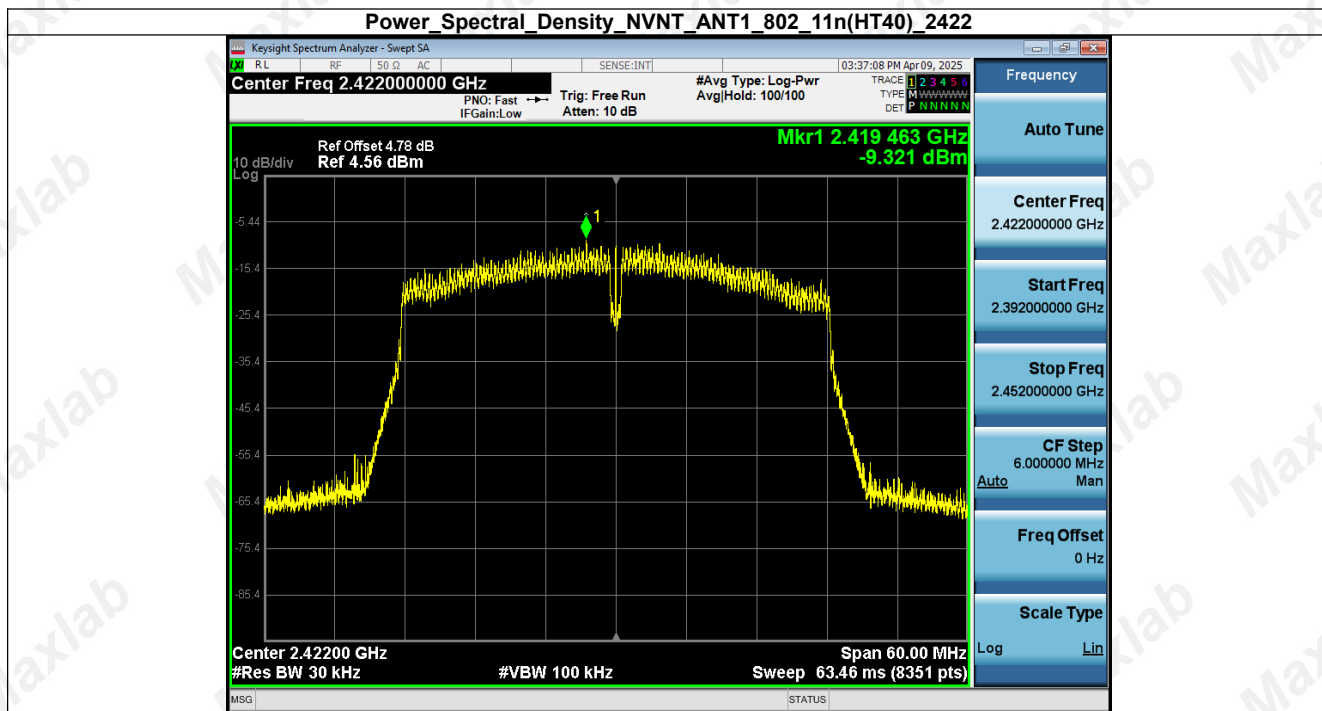


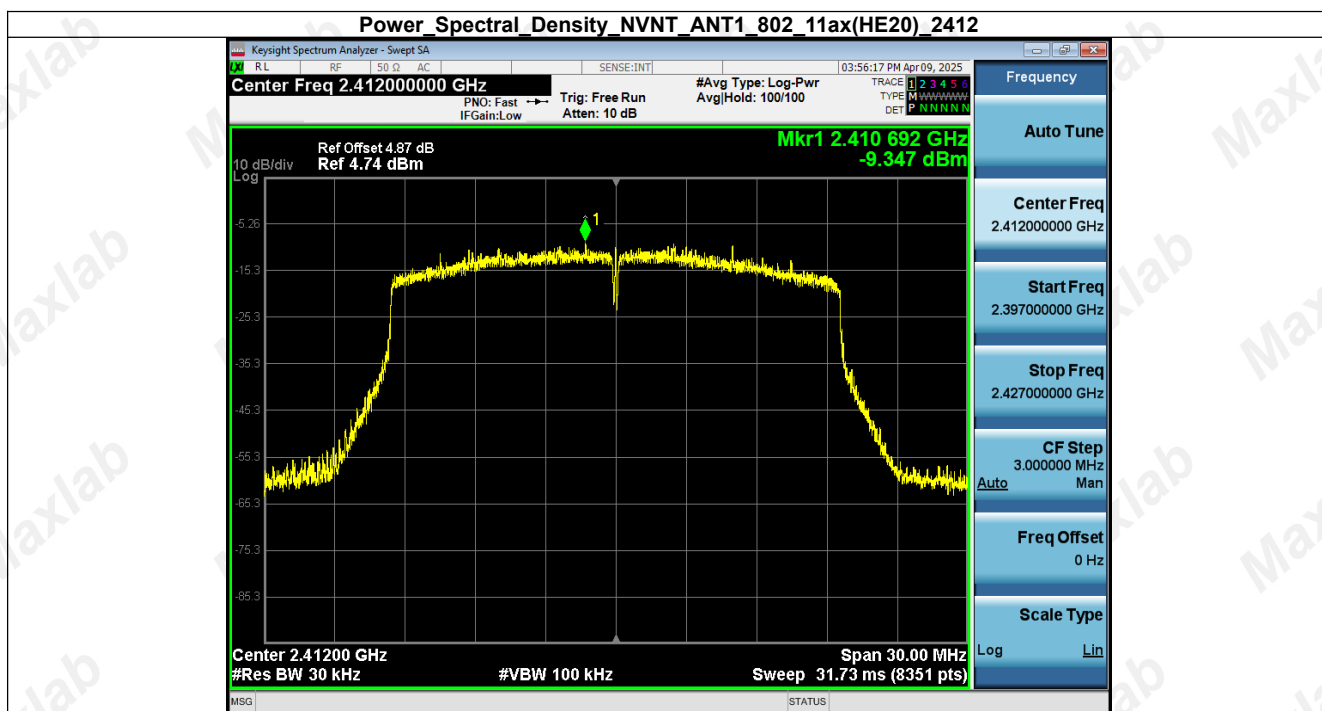
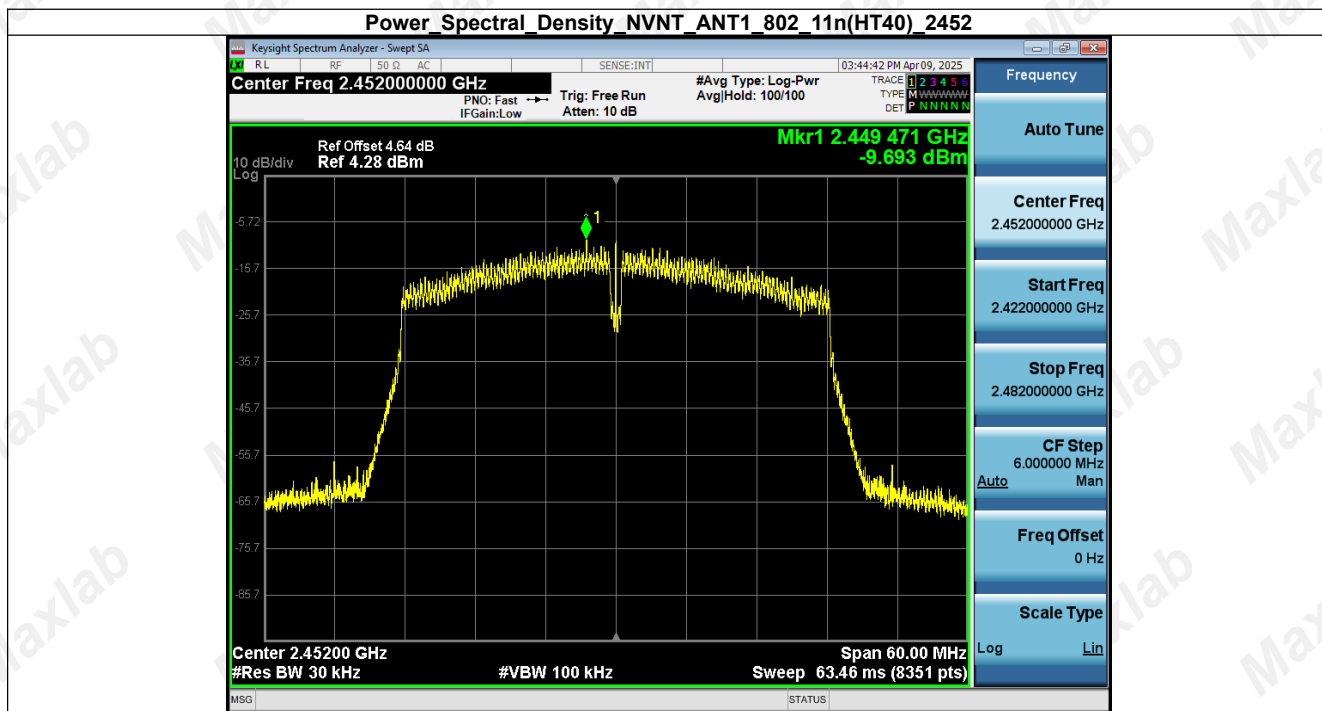


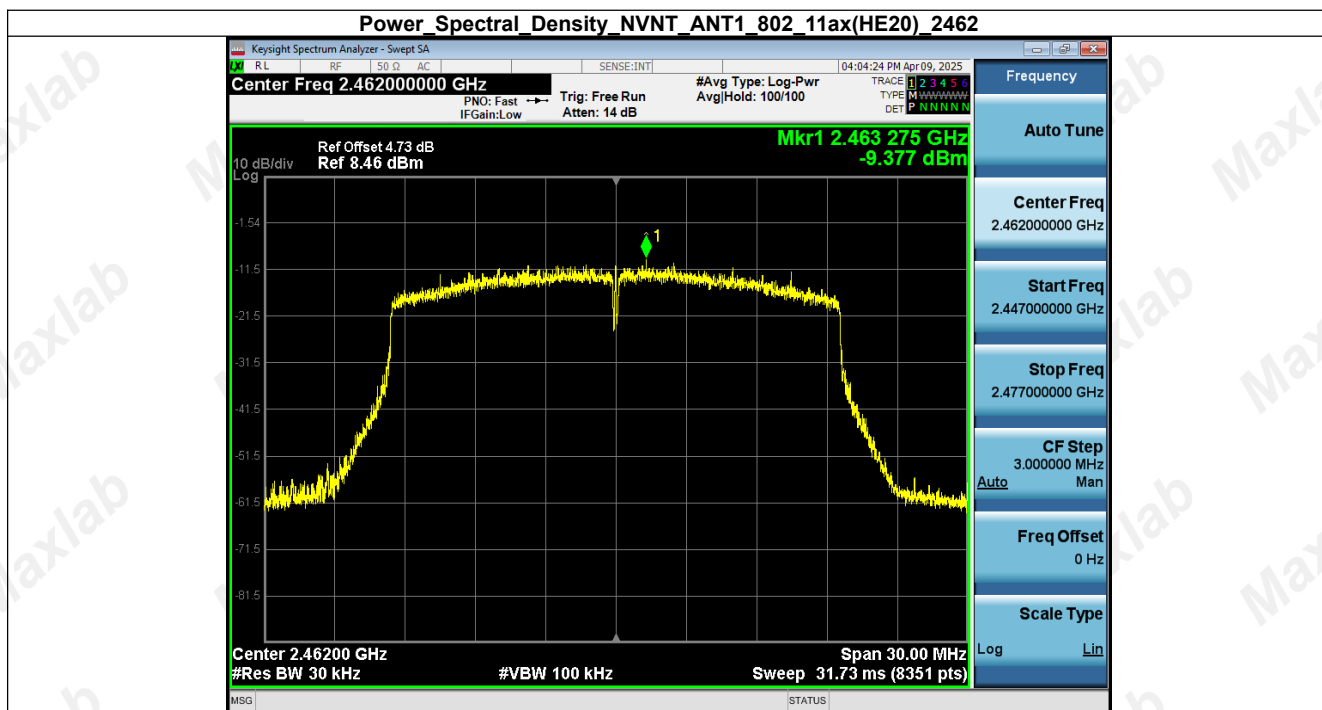
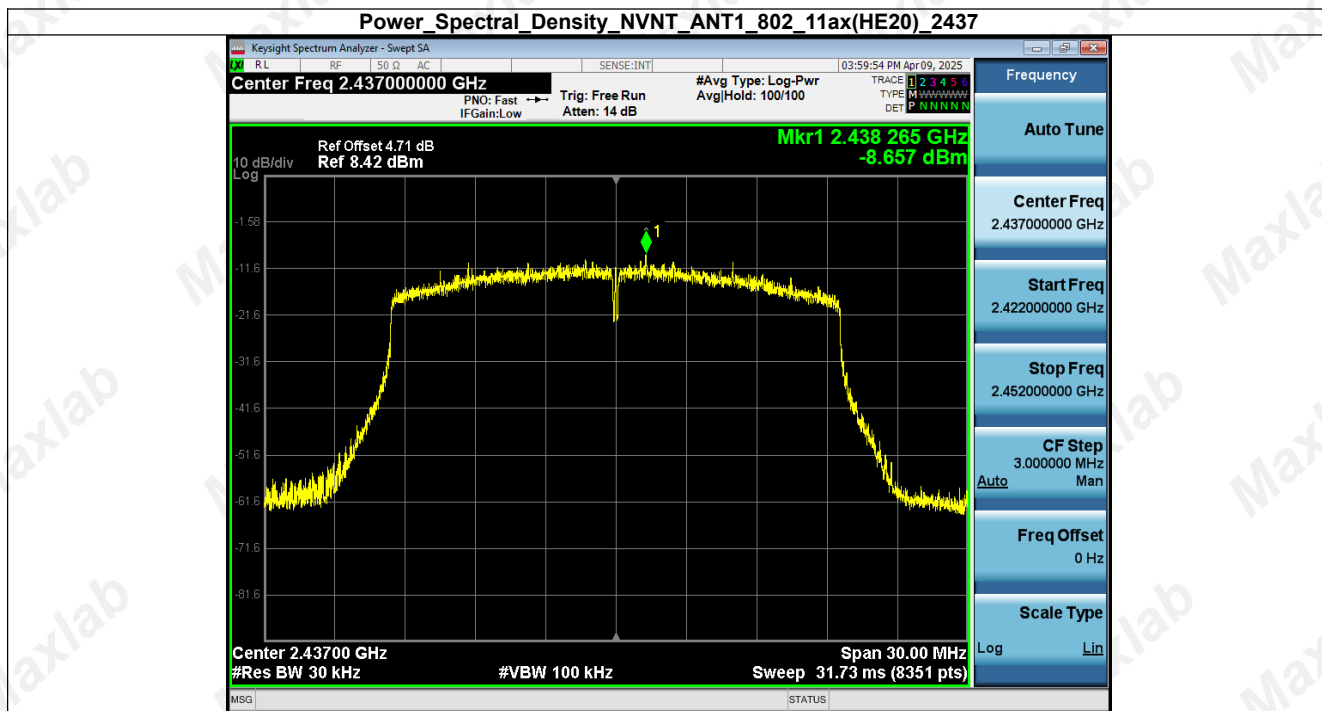


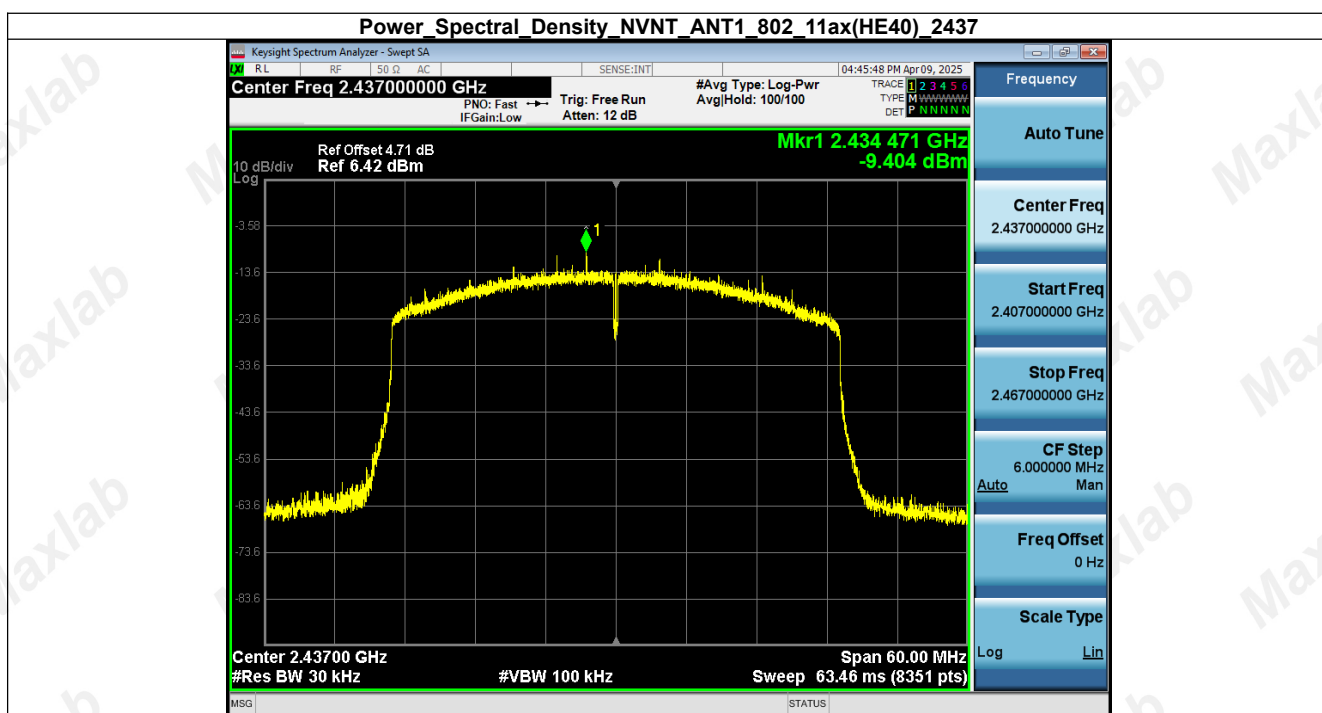
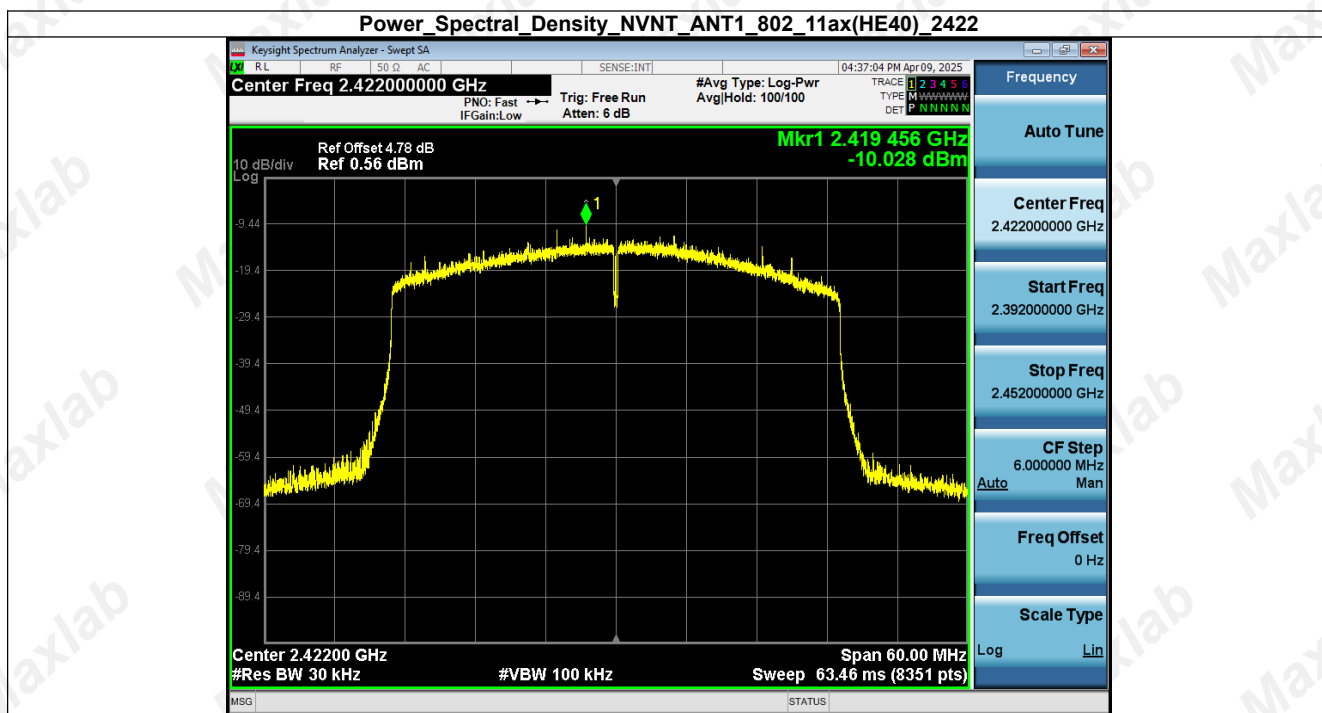


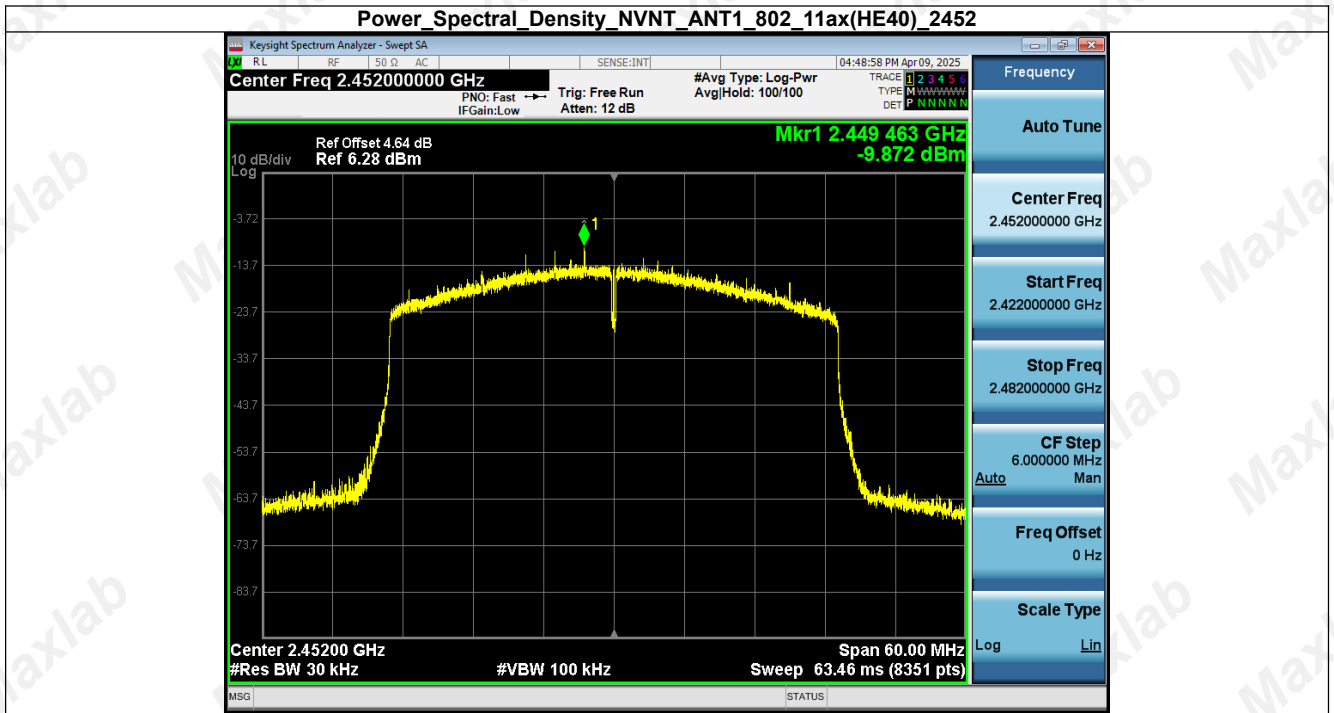








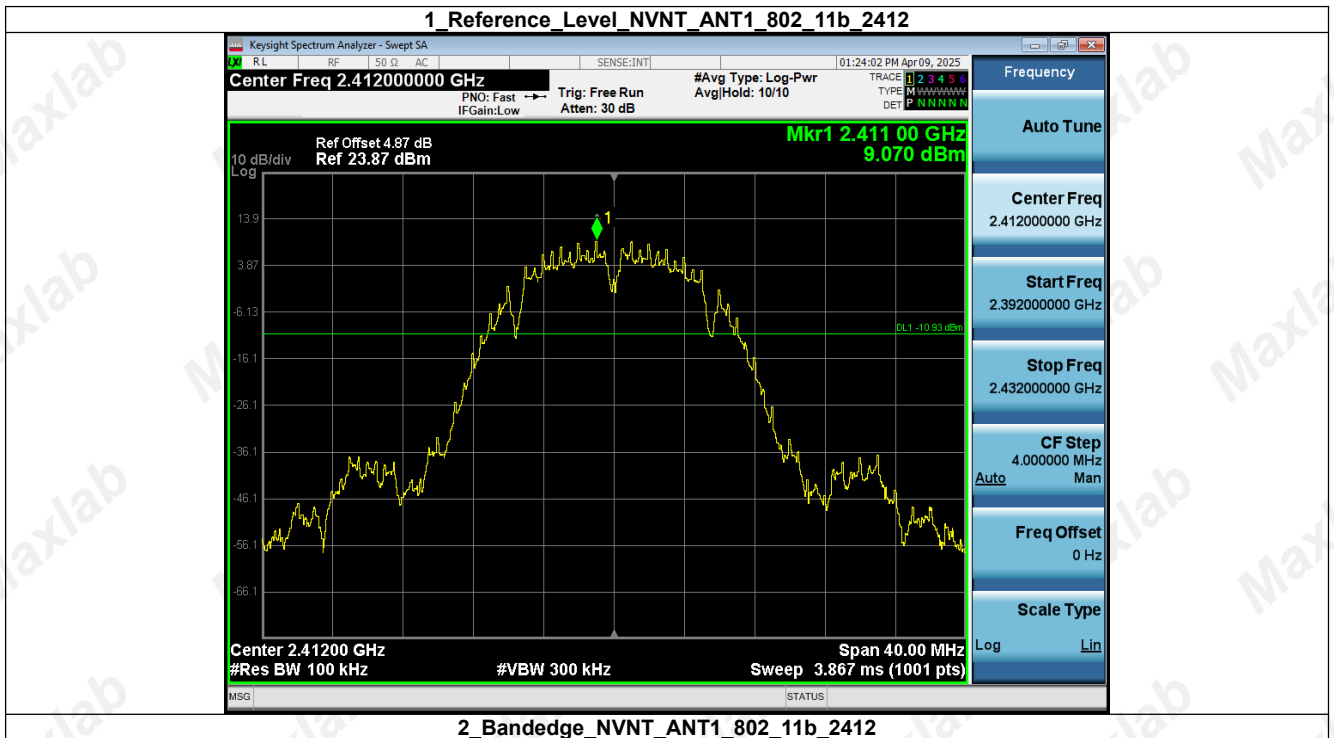




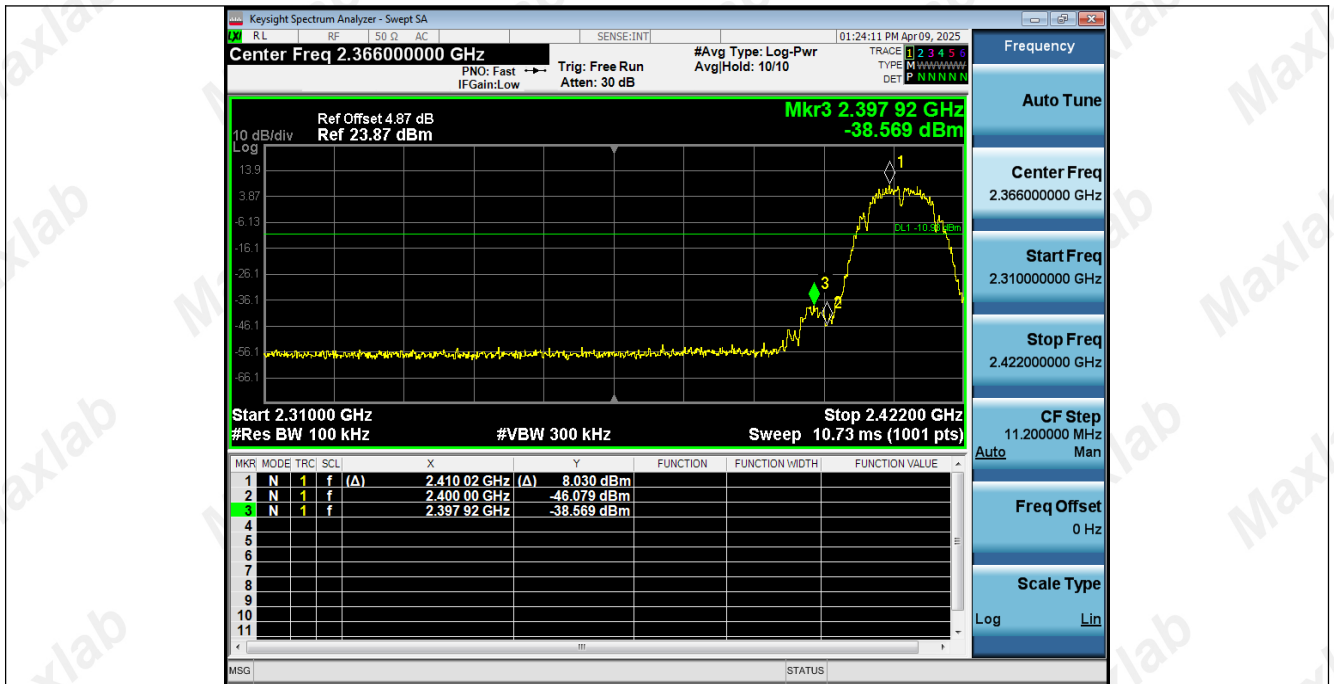
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2397.920	9.070	-38.569	-10.930	Pass
NVNT	ANT1	802.11b	2462.00	2487.856	8.241	-50.367	-11.759	Pass
NVNT	ANT1	802.11g	2412.00	2398.592	-3.442	-46.838	-23.442	Pass
NVNT	ANT1	802.11g	2462.00	2483.584	-6.071	-55.945	-26.071	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2395.344	-2.868	-49.403	-22.868	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2487.808	-3.194	-57.793	-23.194	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.892	-6.588	-49.345	-26.588	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2483.748	-6.634	-58.948	-26.634	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	2399.824	-4.308	-44.758	-24.308	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	2495.920	-4.271	-56.767	-24.271	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	2399.892	-5.766	-49.989	-25.766	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	2485.584	-5.766	-57.958	-25.766	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



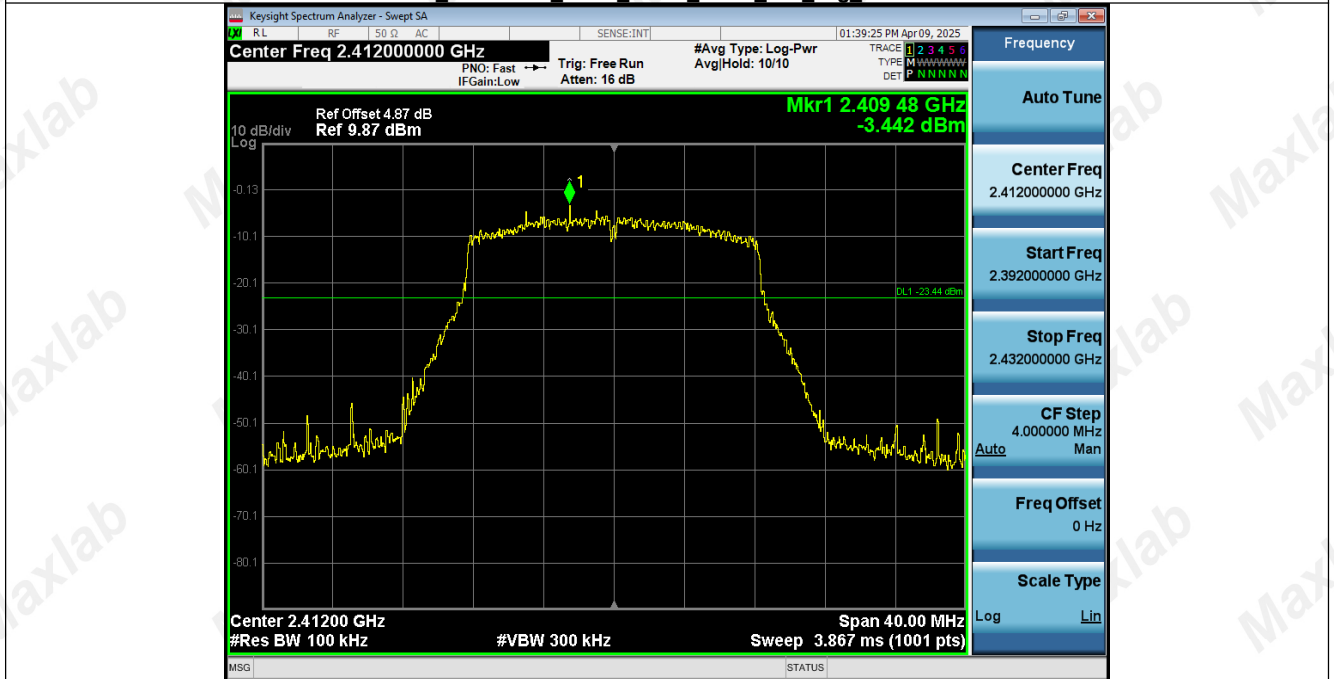
1 Reference Level NVNT_ANT1_802_11b_2462



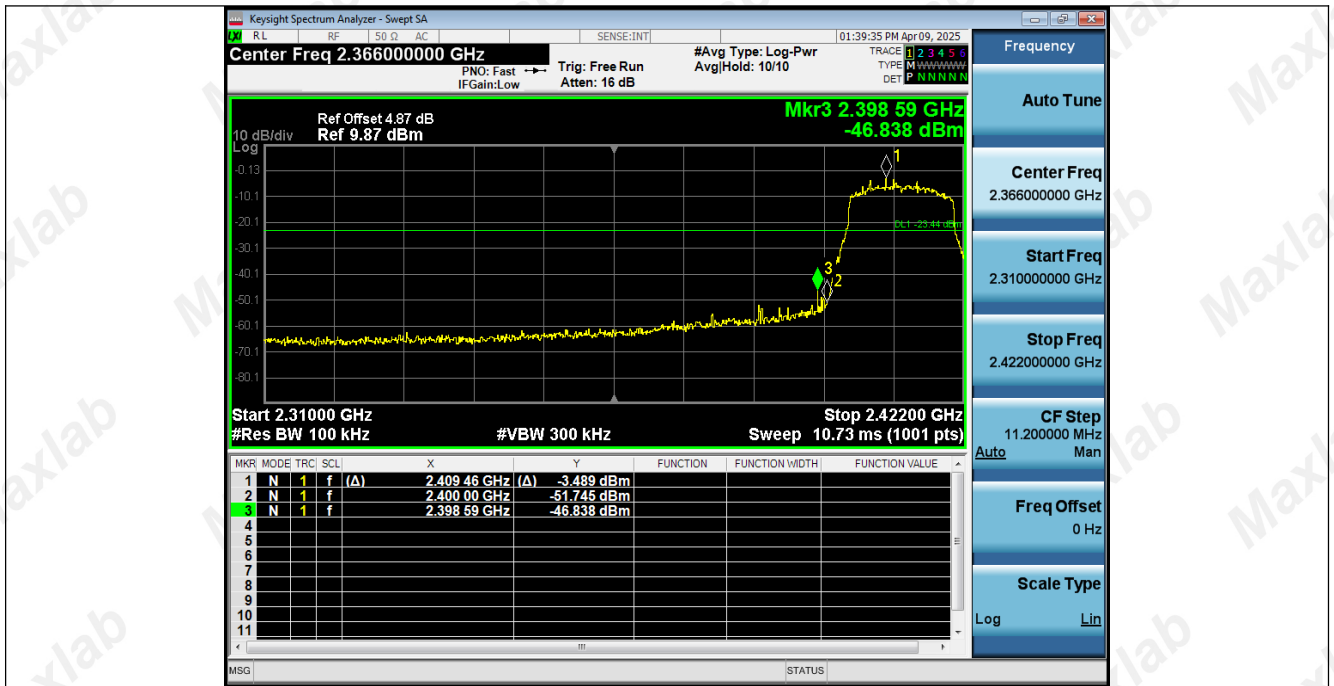
2_Bandedge_NVNT_ANT1_802_11b_2462



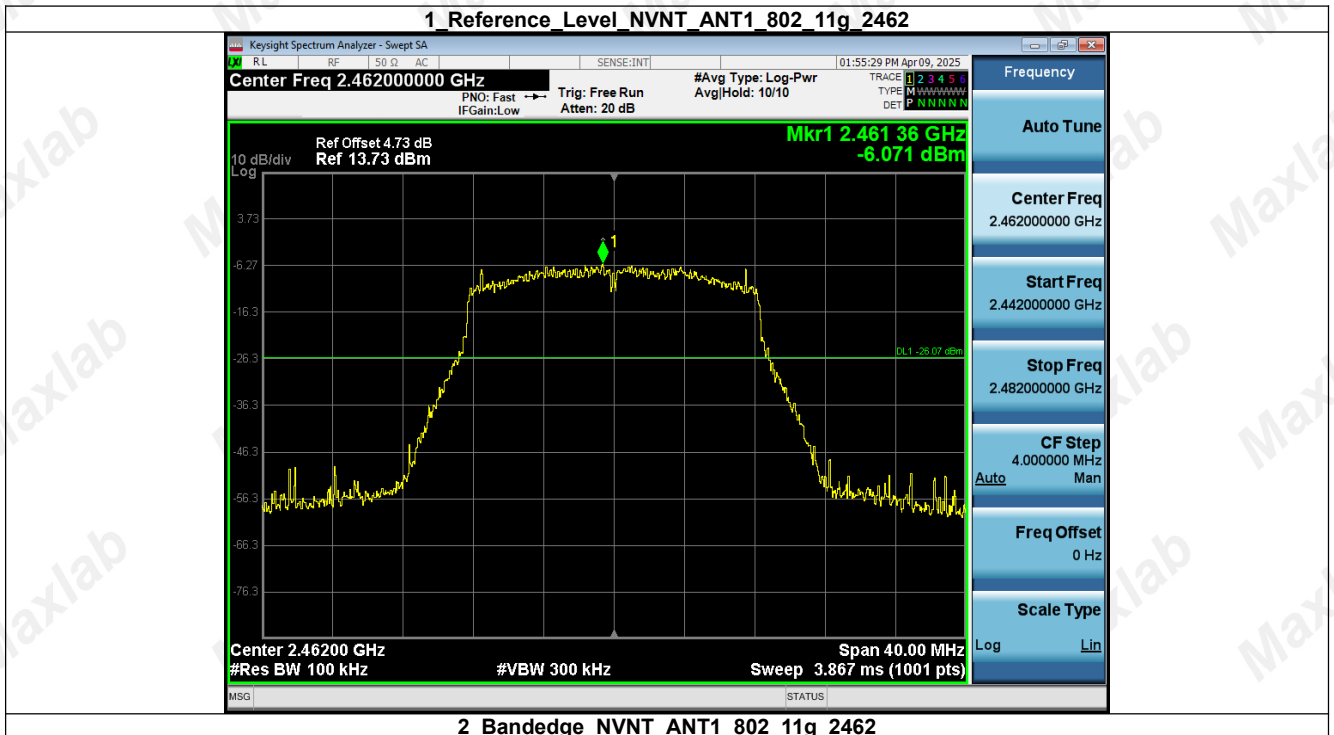
1 Reference Level NVNT_ANT1_802_11g_2412



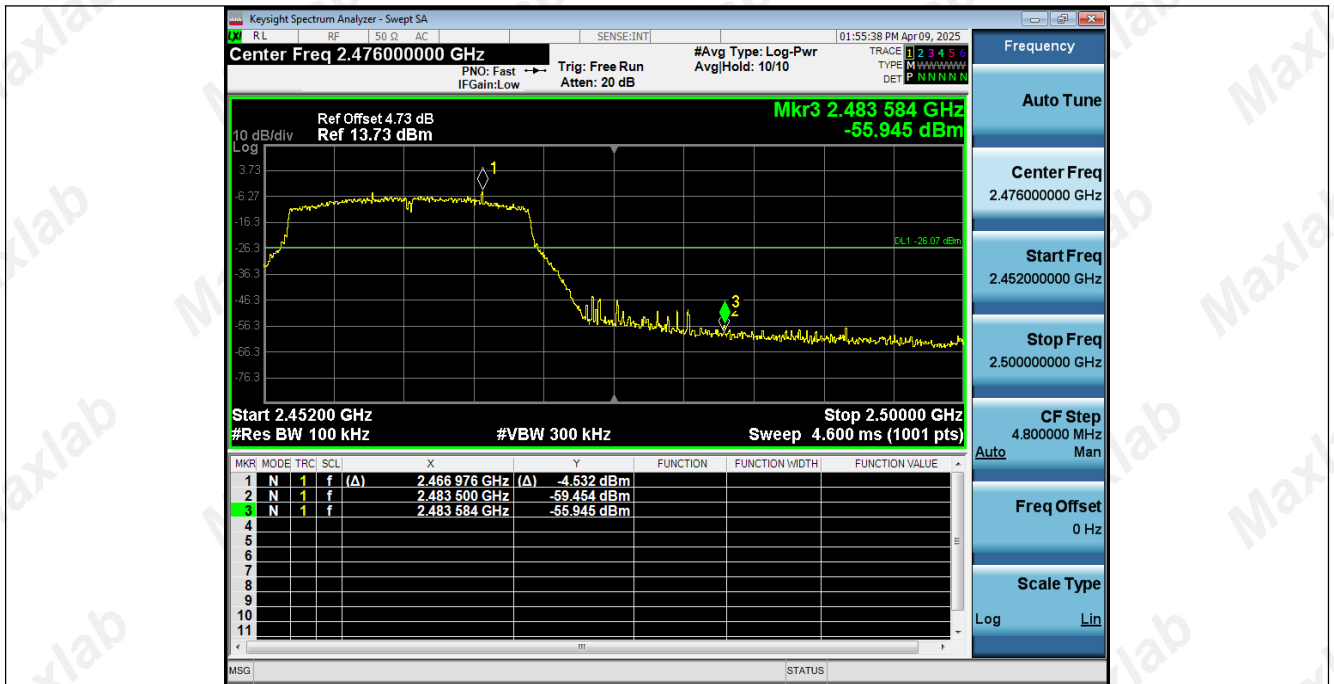
2 Bandedge_NVNT_ANT1_802_11g_2412



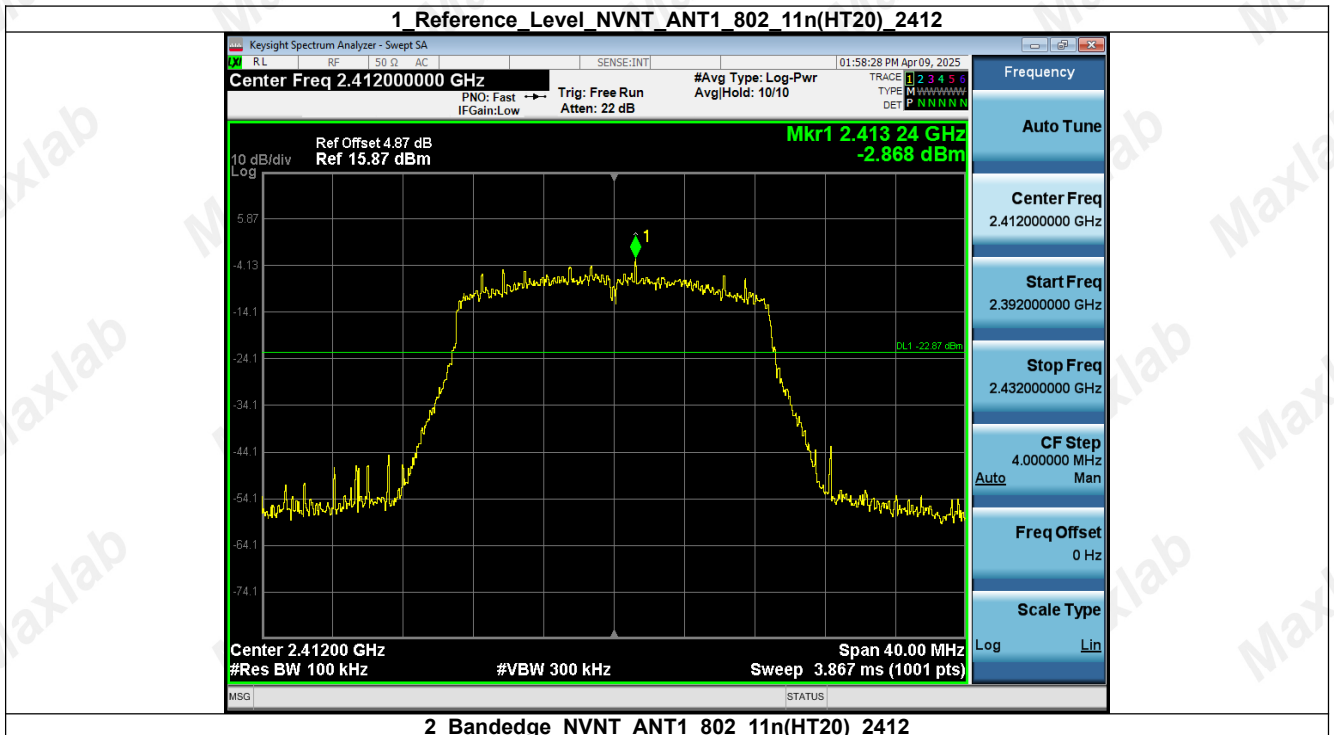
1 Reference Level NVNT_ANT1_802_11g_2462



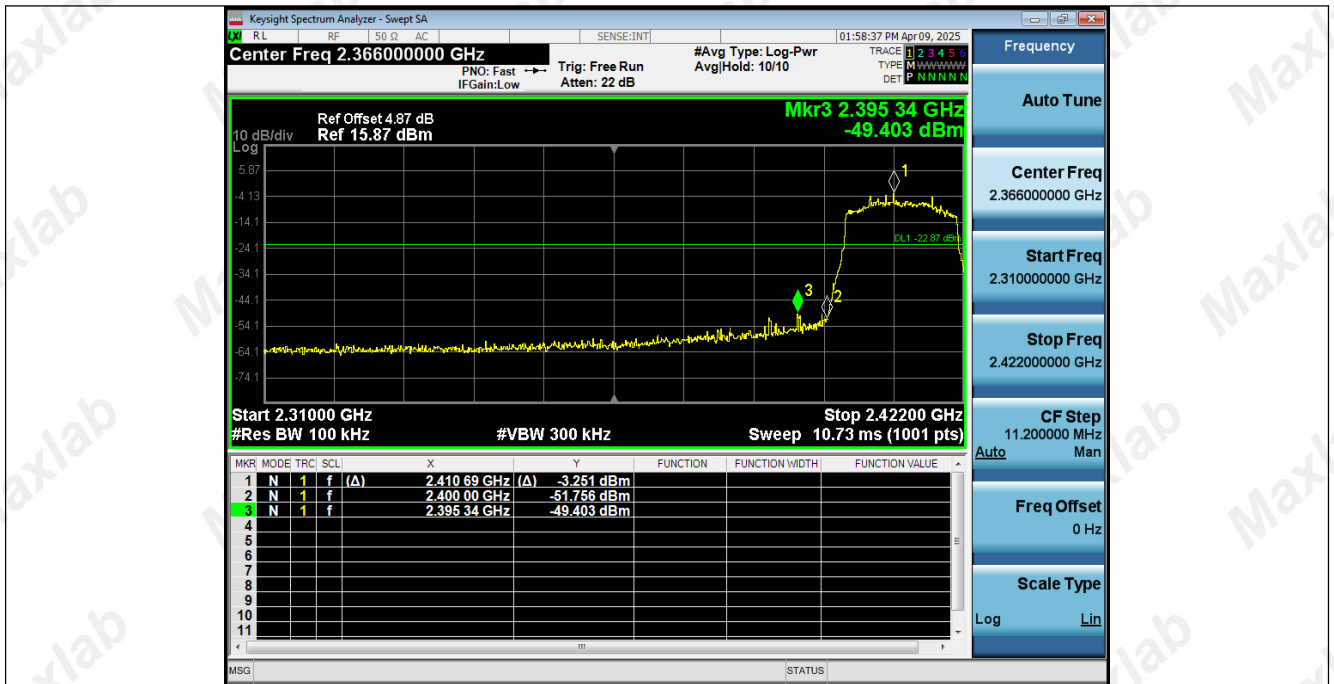
2_Bandedge_NVNT_ANT1_802_11g_2462



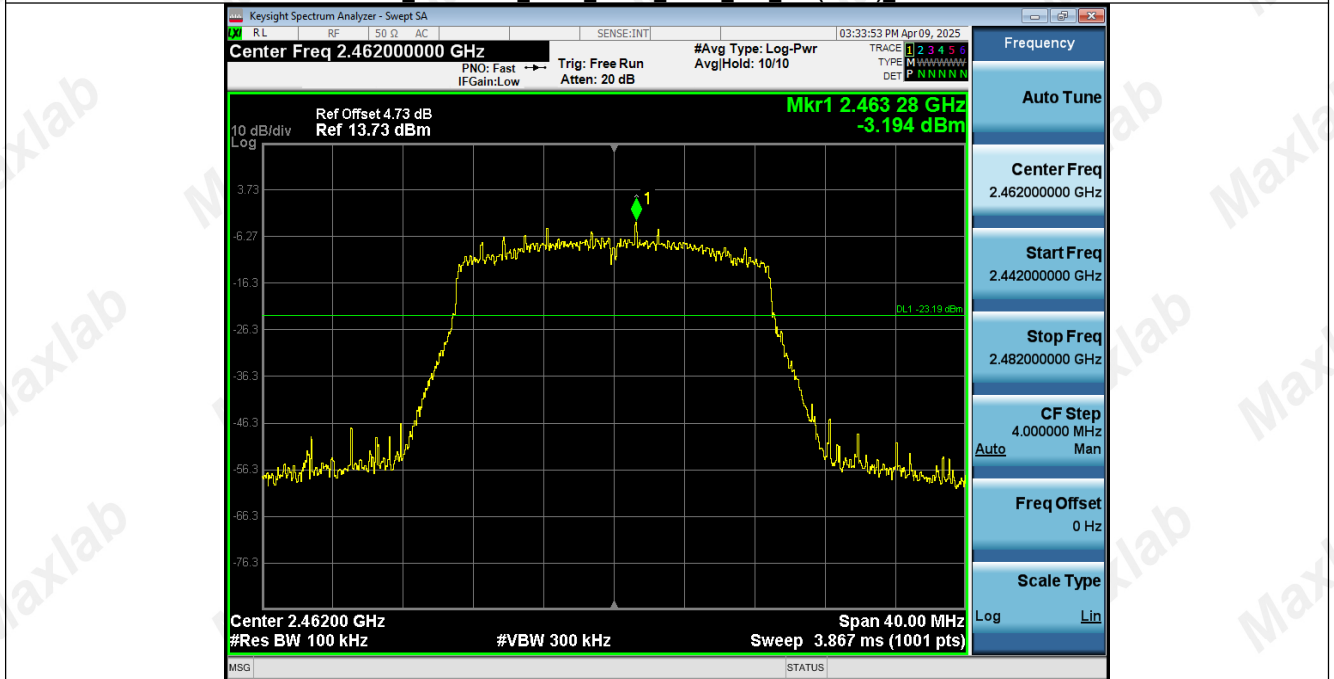
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



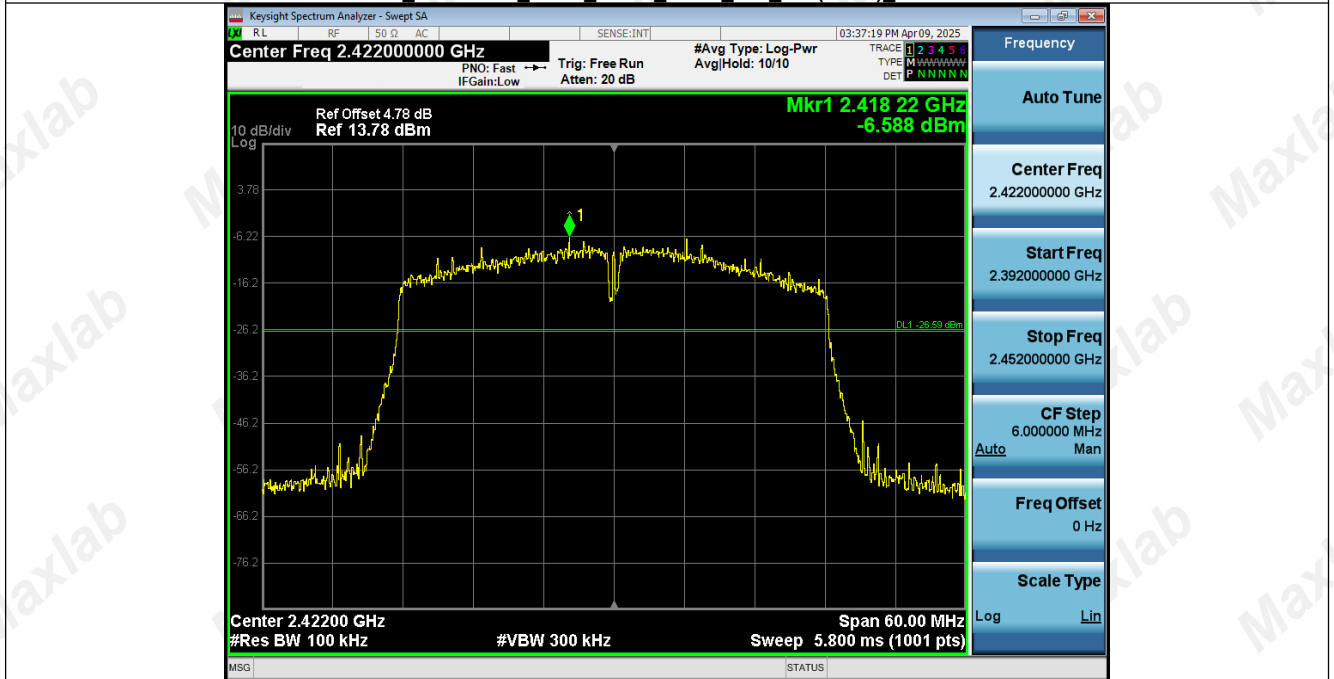
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



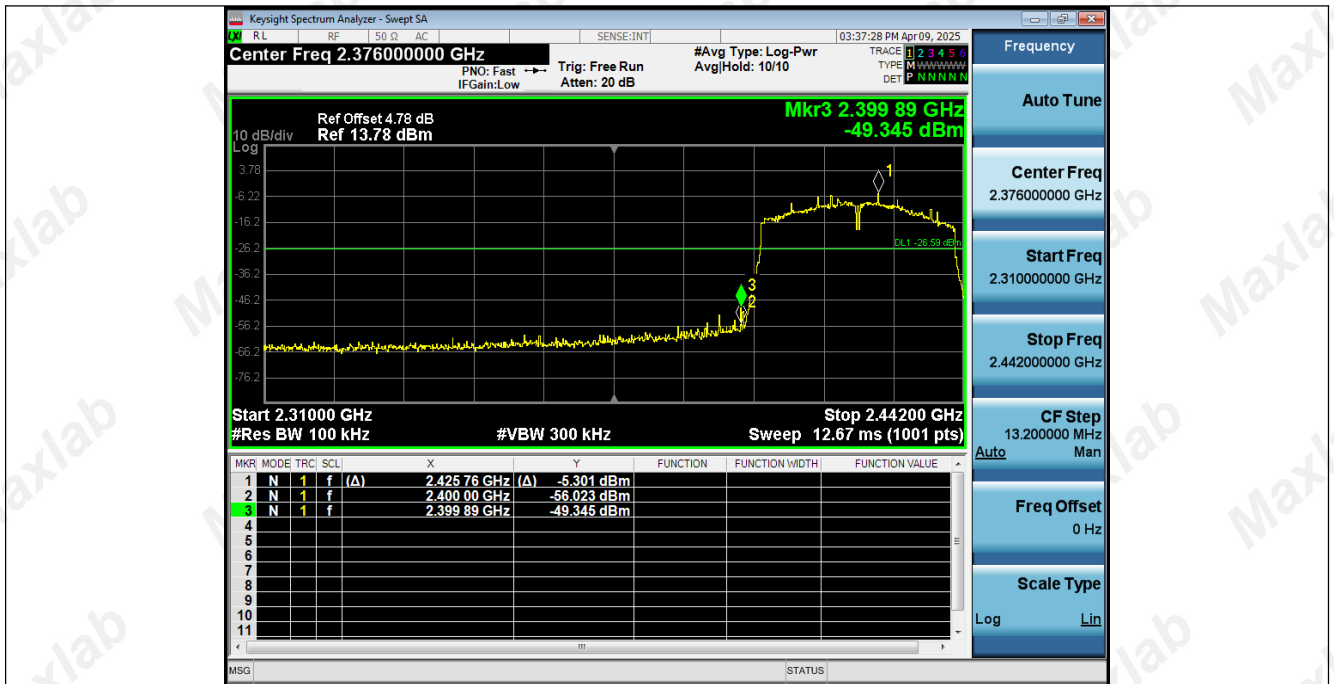
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



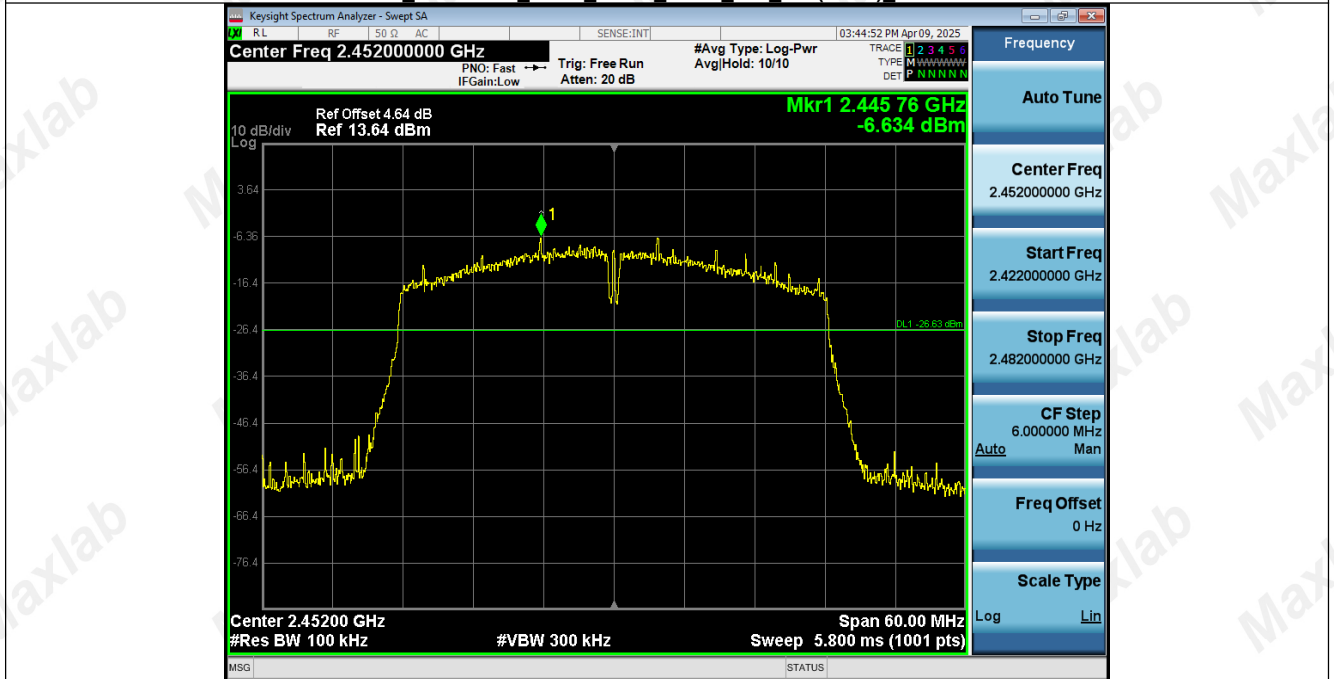
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



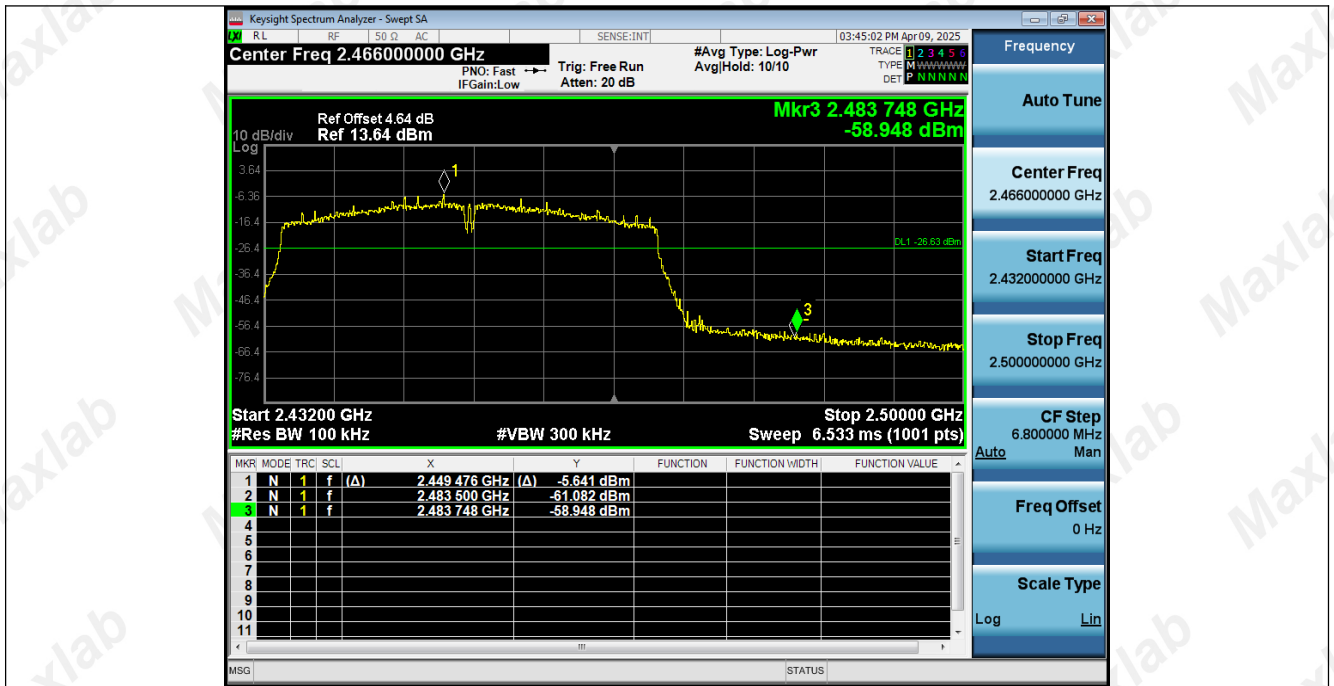
2 Bandedge_NVNT_ANT1_802_11n(HT40)_2422



1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



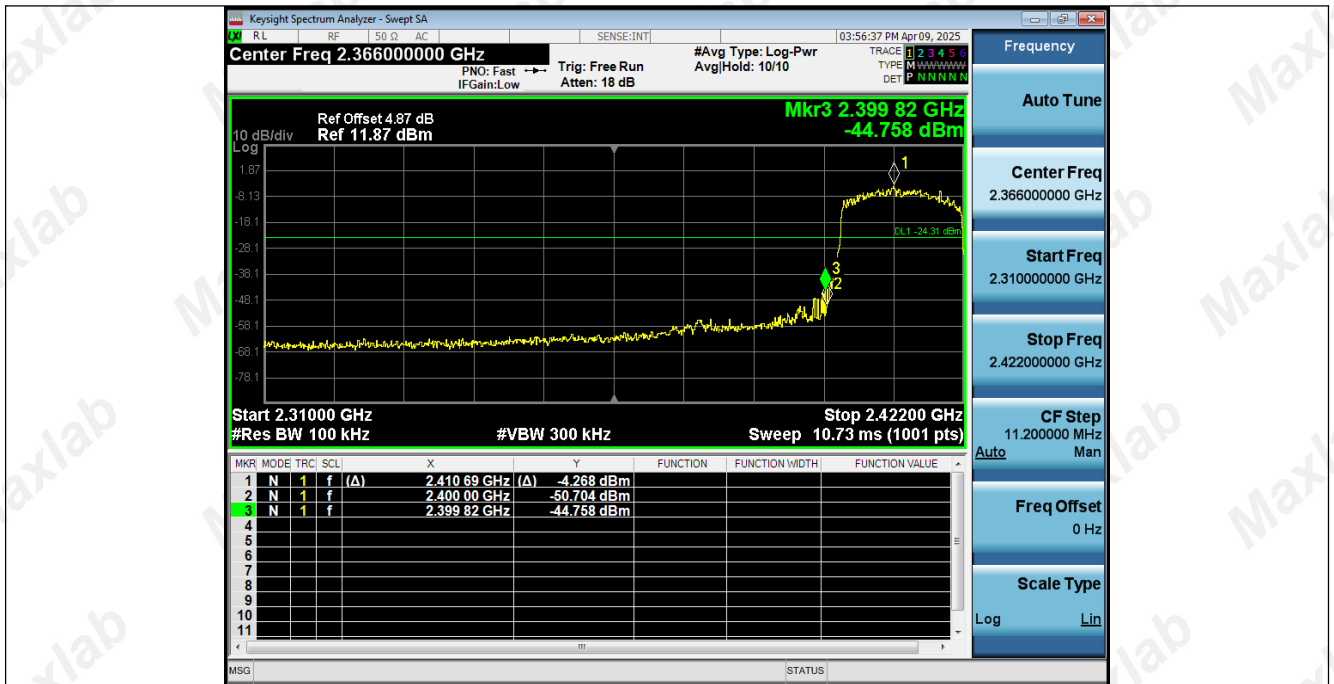
2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452



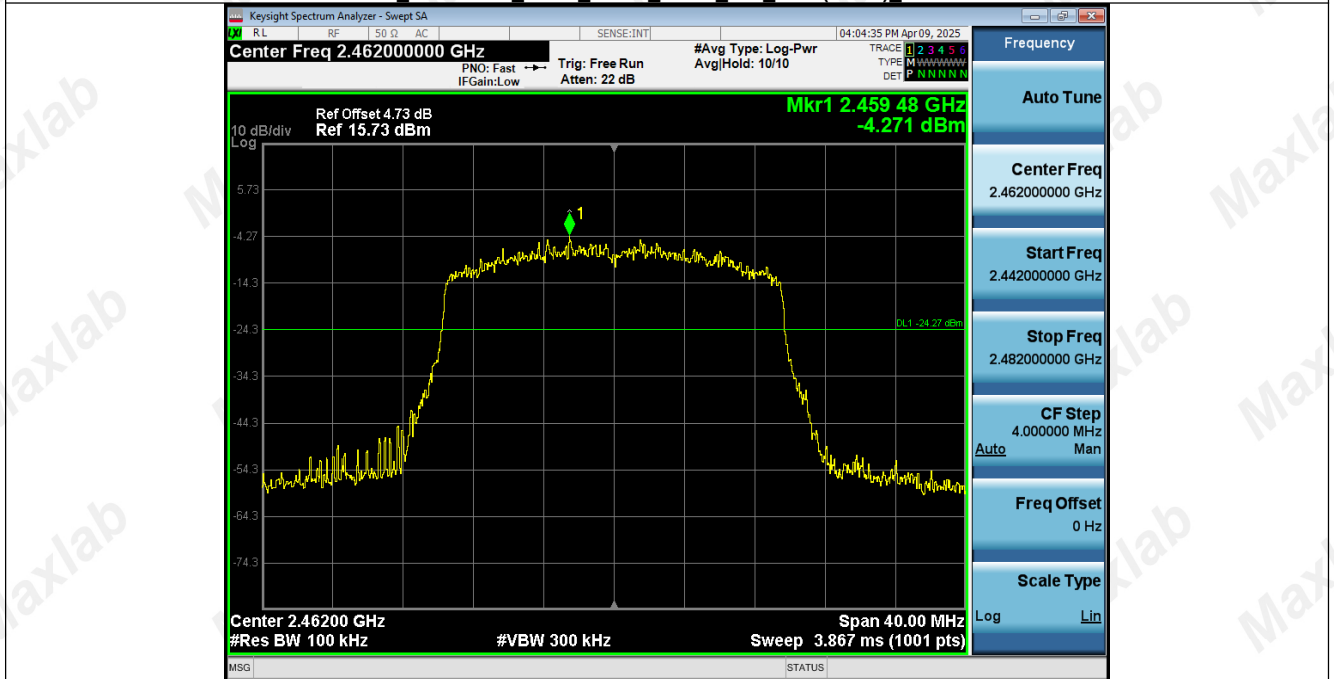
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2412



2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2412



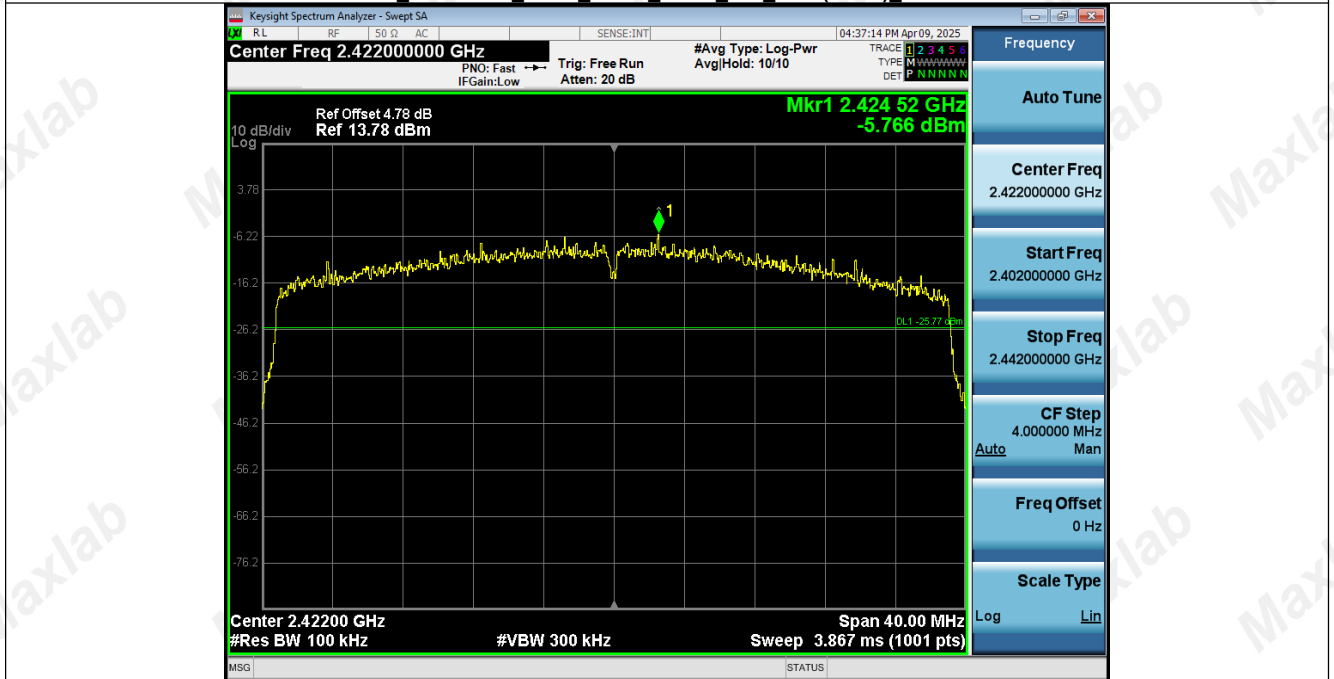
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2462



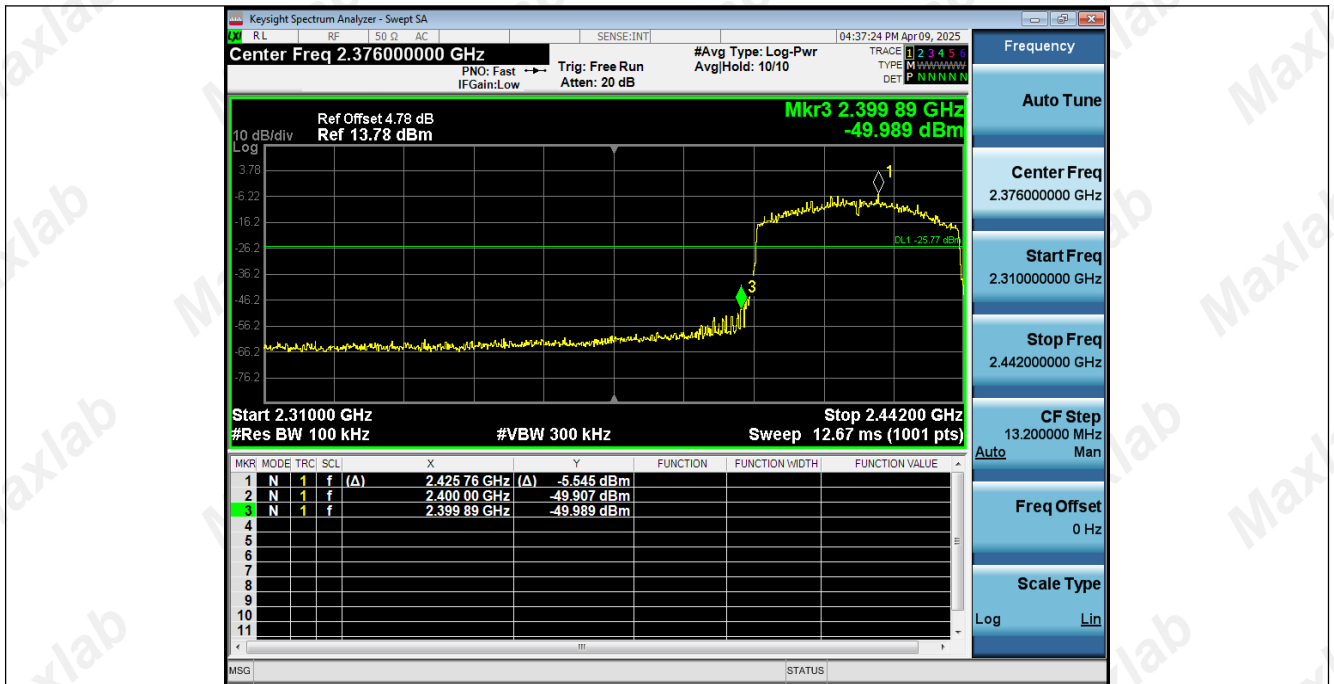
2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2462



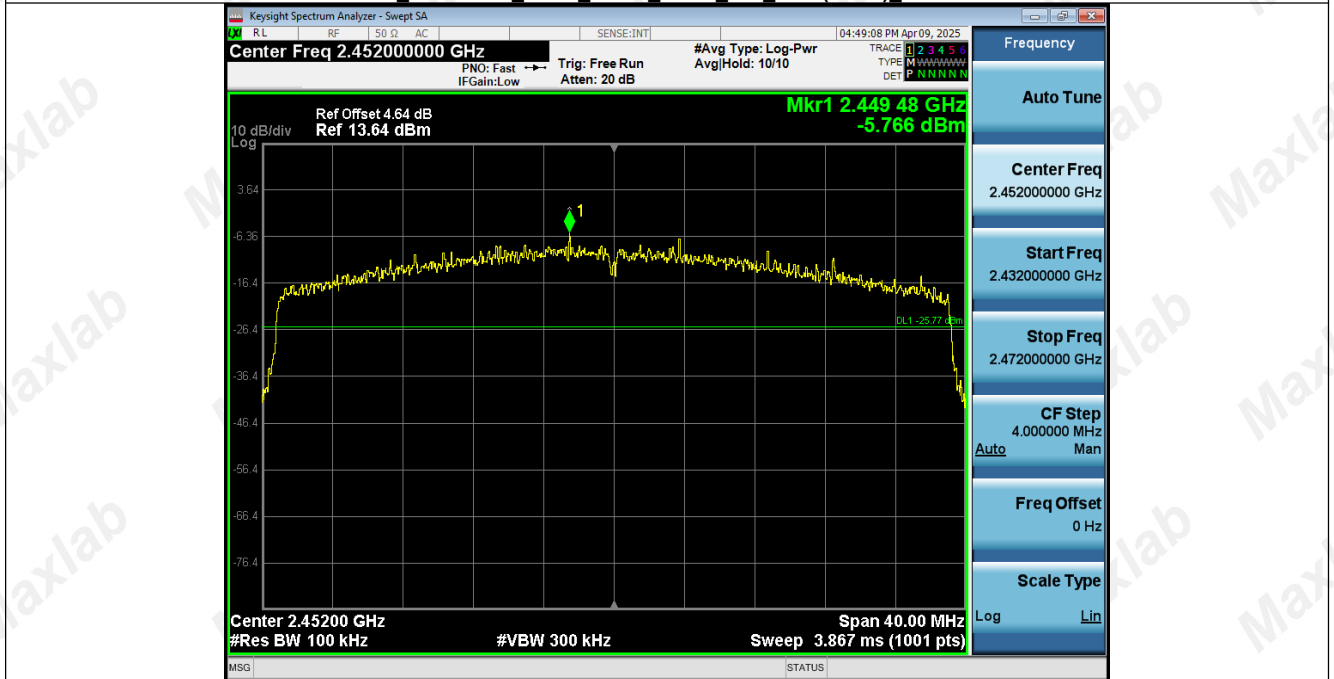
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2422



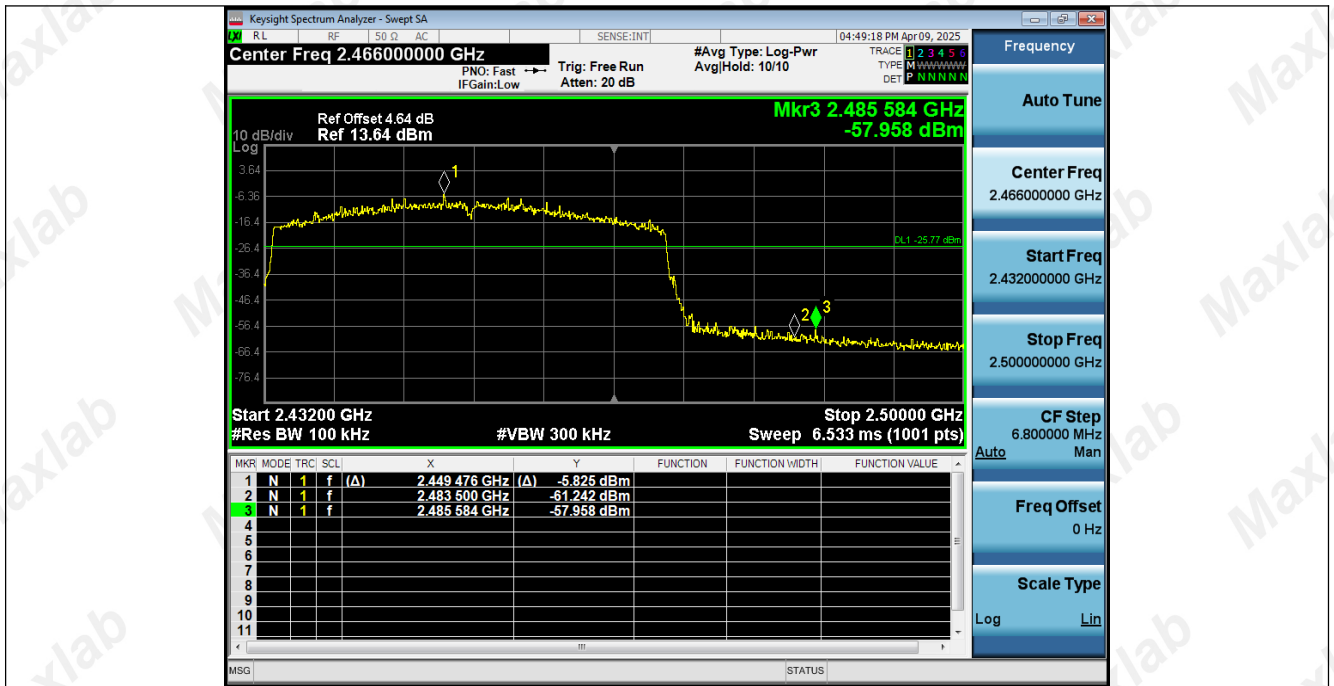
2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2422



1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2452



2_Bandedge_NVNT_ANT1_802_11ax(HE40)_2452



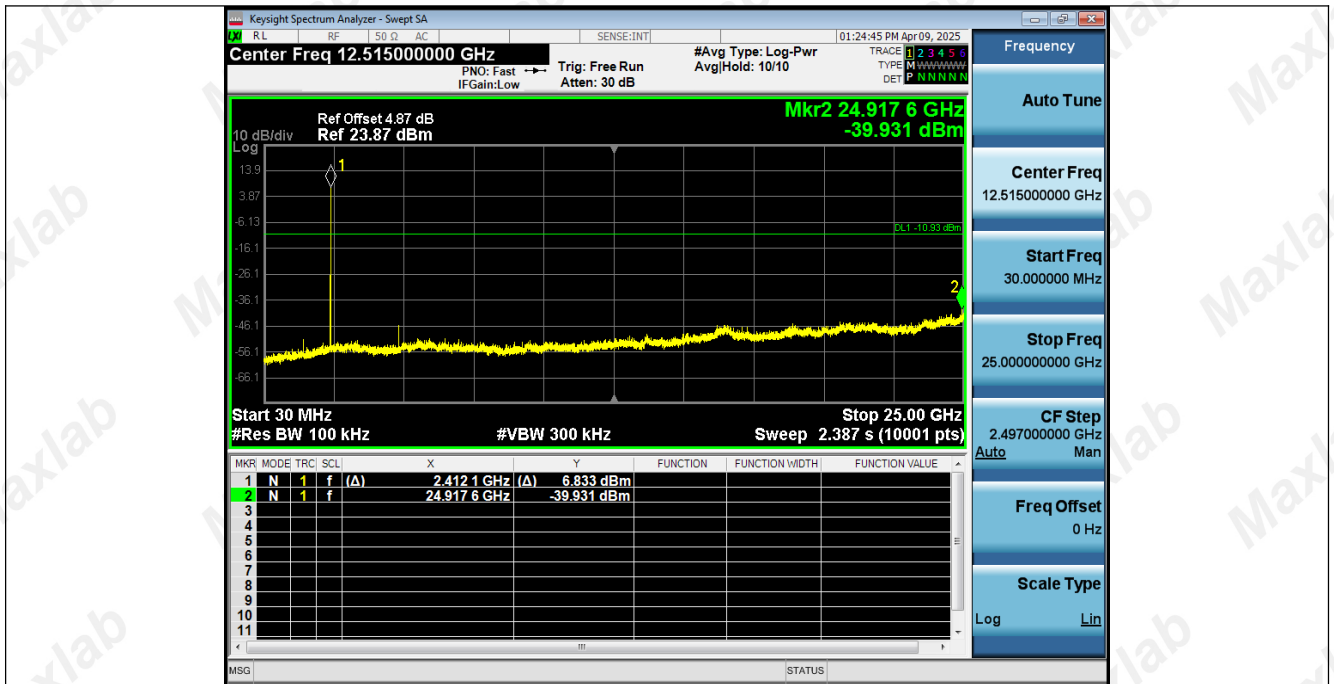
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24917.599	9.070	-39.931	-10.930	Pass
NVNT	ANT1	802.11b	2437.00	24967.539	7.798	-40.466	-12.202	Pass
NVNT	ANT1	802.11b	2462.00	24962.545	8.241	-36.280	-11.759	Pass
NVNT	ANT1	802.11g	2412.00	24990.012	-3.442	-53.954	-23.442	Pass
NVNT	ANT1	802.11g	2437.00	24945.066	-5.986	-50.845	-25.986	Pass
NVNT	ANT1	802.11g	2462.00	24897.623	-6.071	-51.233	-26.071	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24443.169	-2.868	-48.175	-22.868	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24997.503	-3.897	-49.286	-23.897	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24987.515	-3.194	-51.027	-23.194	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24887.635	-6.588	-51.659	-26.588	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	1950.193	-7.833	-54.084	-27.833	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24995.006	-6.634	-51.598	-26.634	Pass
NVNT	ANT1	802.11ax(HE20)	2412.00	24962.545	-4.308	-53.207	-24.308	Pass
NVNT	ANT1	802.11ax(HE20)	2437.00	24418.199	-5.265	-52.622	-25.265	Pass
NVNT	ANT1	802.11ax(HE20)	2462.00	24970.036	-4.271	-48.366	-24.271	Pass
NVNT	ANT1	802.11ax(HE40)	2422.00	24972.533	-5.766	-50.587	-25.766	Pass
NVNT	ANT1	802.11ax(HE40)	2437.00	1950.193	-5.529	-53.608	-25.529	Pass
NVNT	ANT1	802.11ax(HE40)	2452.00	24987.515	-5.766	-51.467	-25.766	Pass

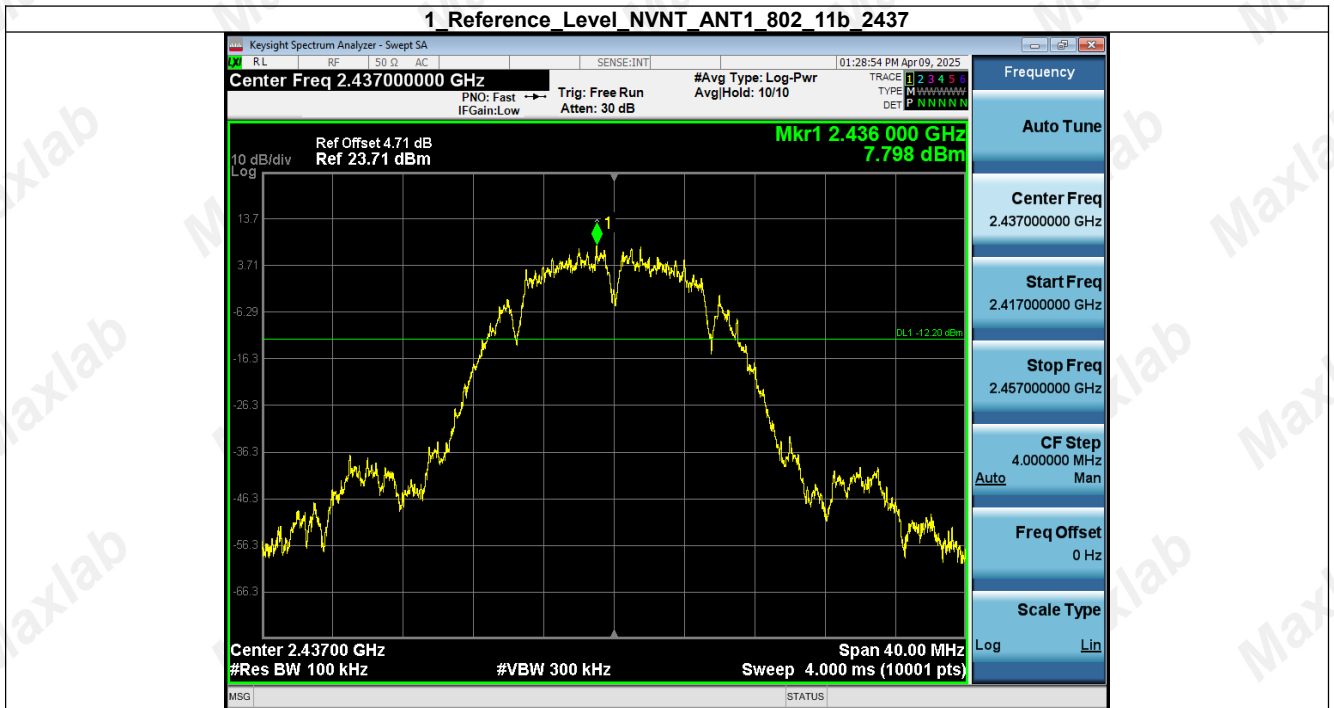
1 Reference_Level_NVNT_ANT1_802_11b_2412



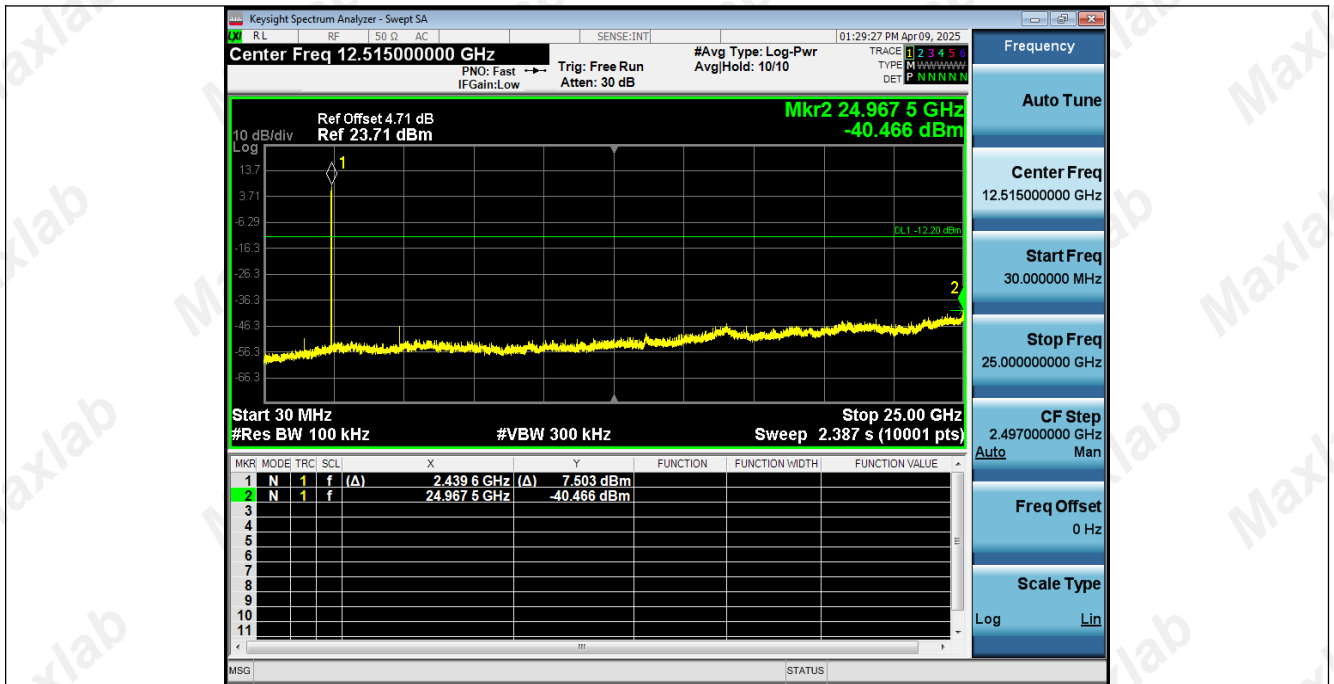
2 Spurious_Emission_NVNT_ANT1_802_11b_2412



1 Reference Level NVNT_ANT1_802_11b_2437



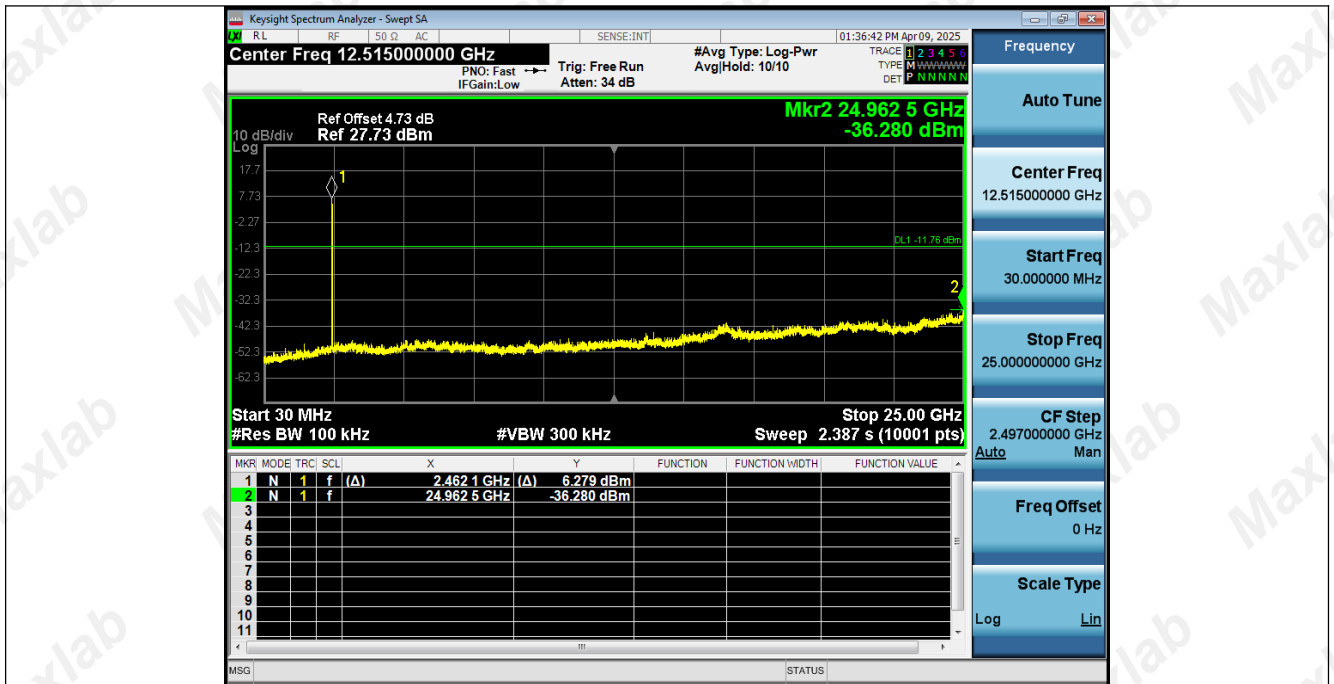
2 Spurious Emission_NVNT_ANT1_802_11b_2437



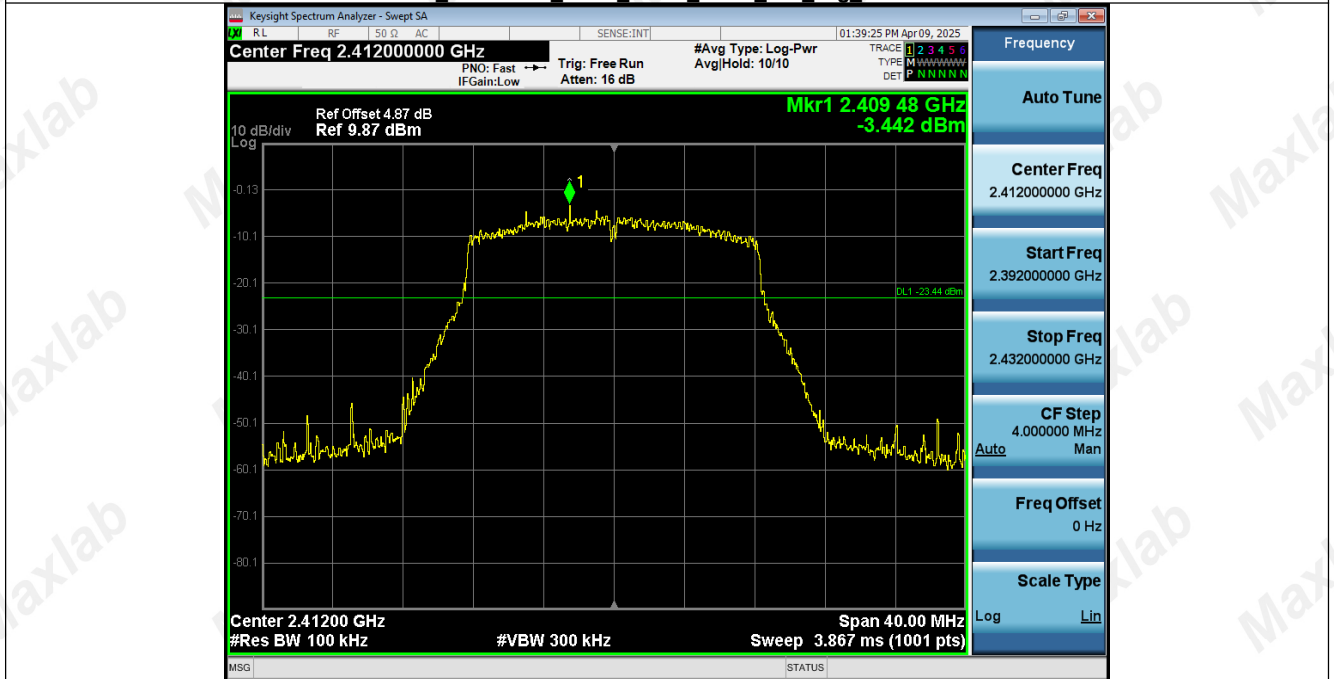
1 Reference Level NVNT_ANT1_802_11b_2462



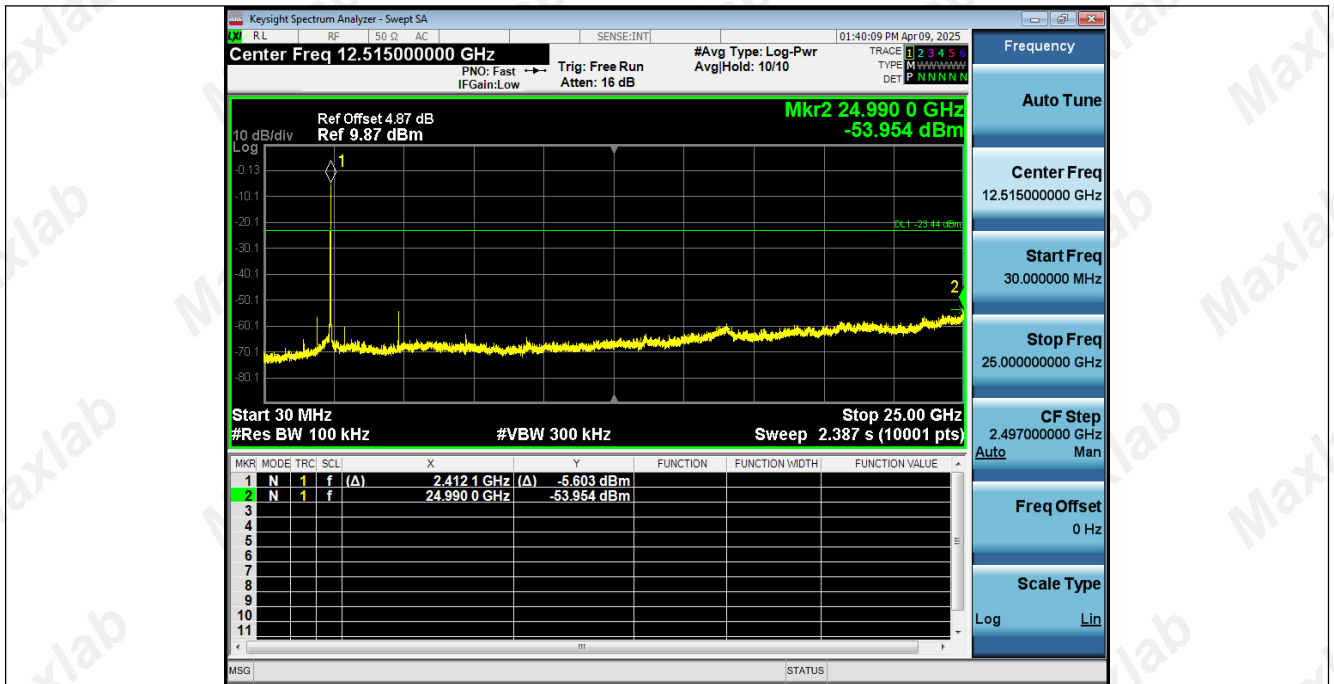
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



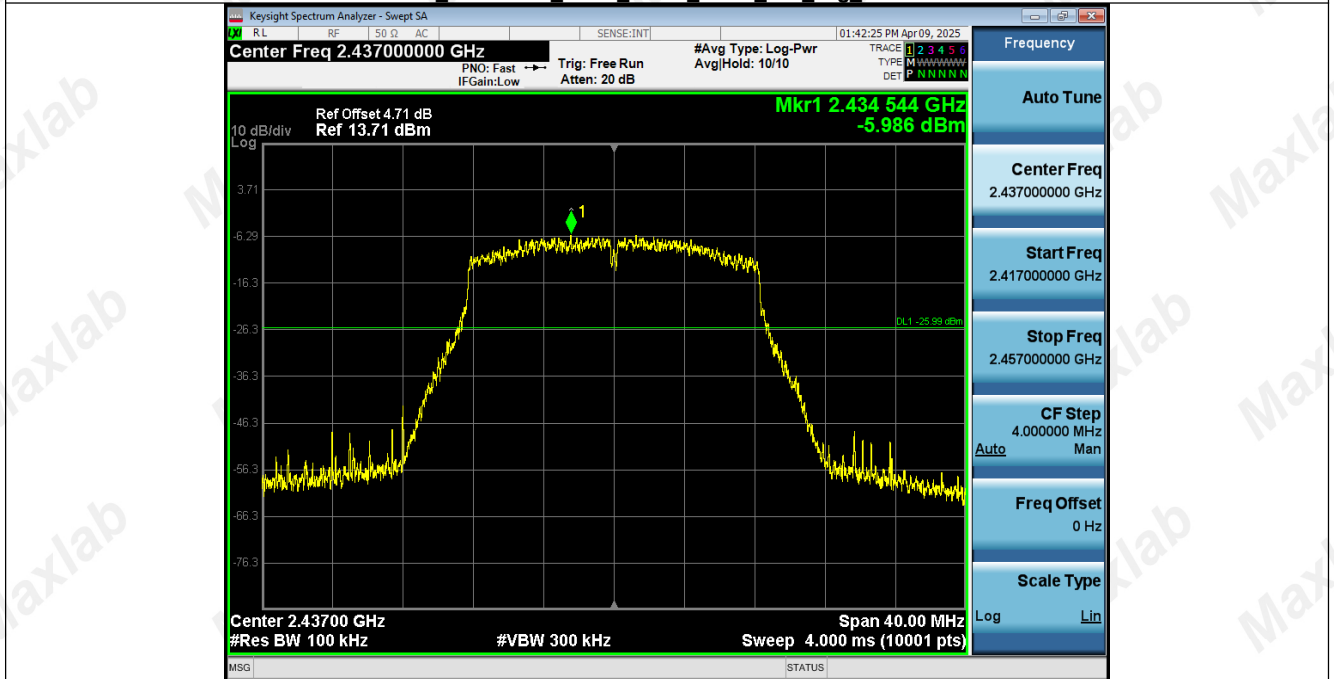
1 Reference Level NVNT_ANT1_802_11g_2412



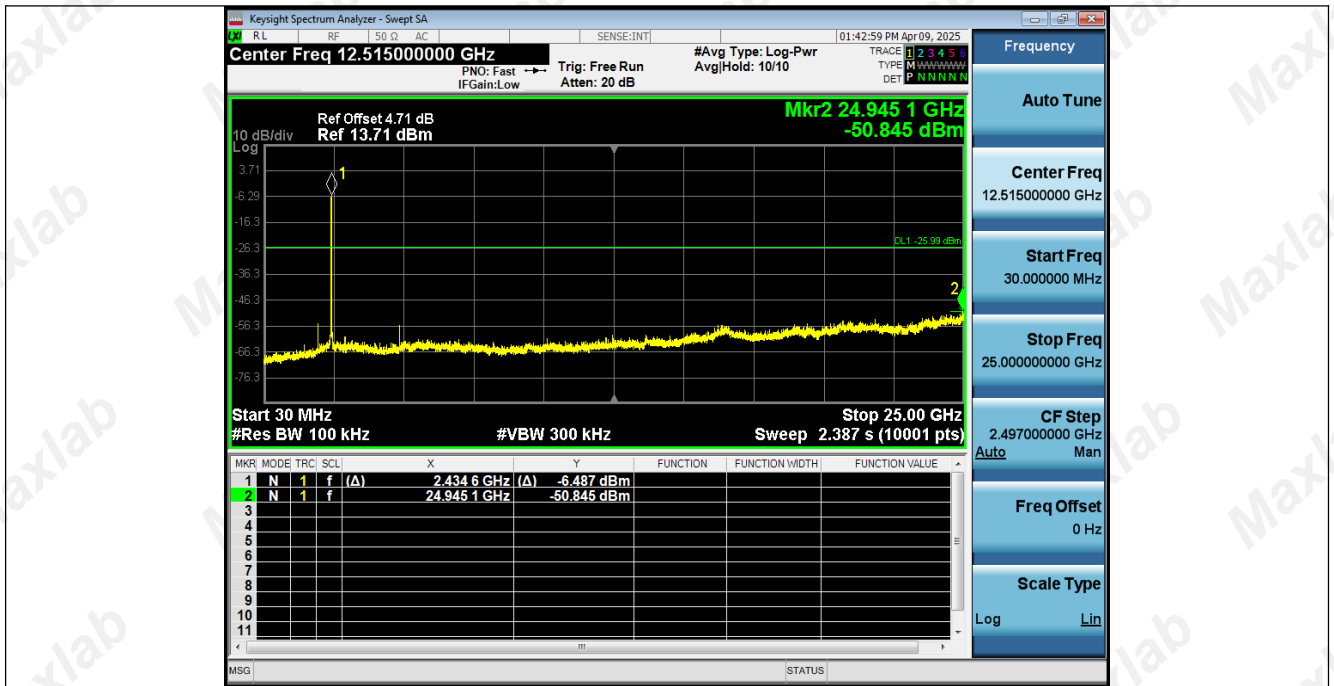
2 Spurious Emission NVNT_ANT1_802_11g_2412



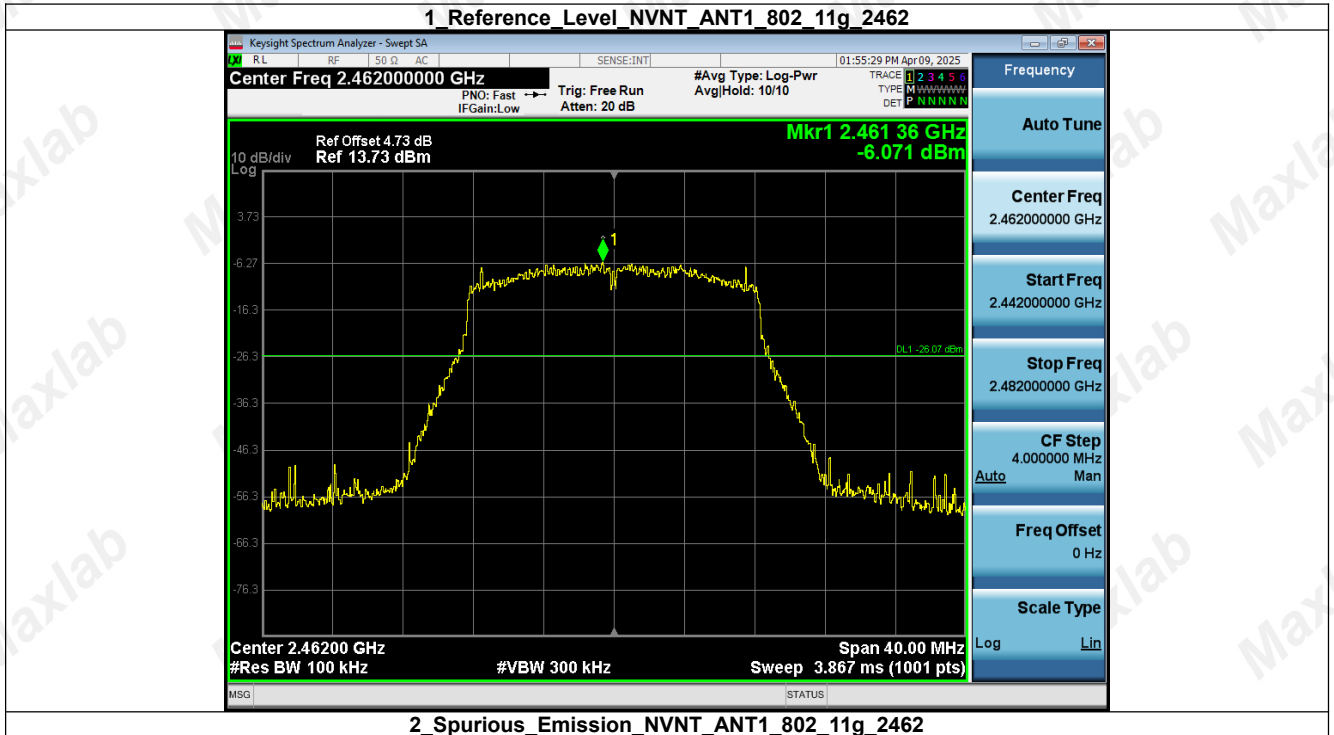
1 Reference Level NVNT_ANT1_802_11g_2437



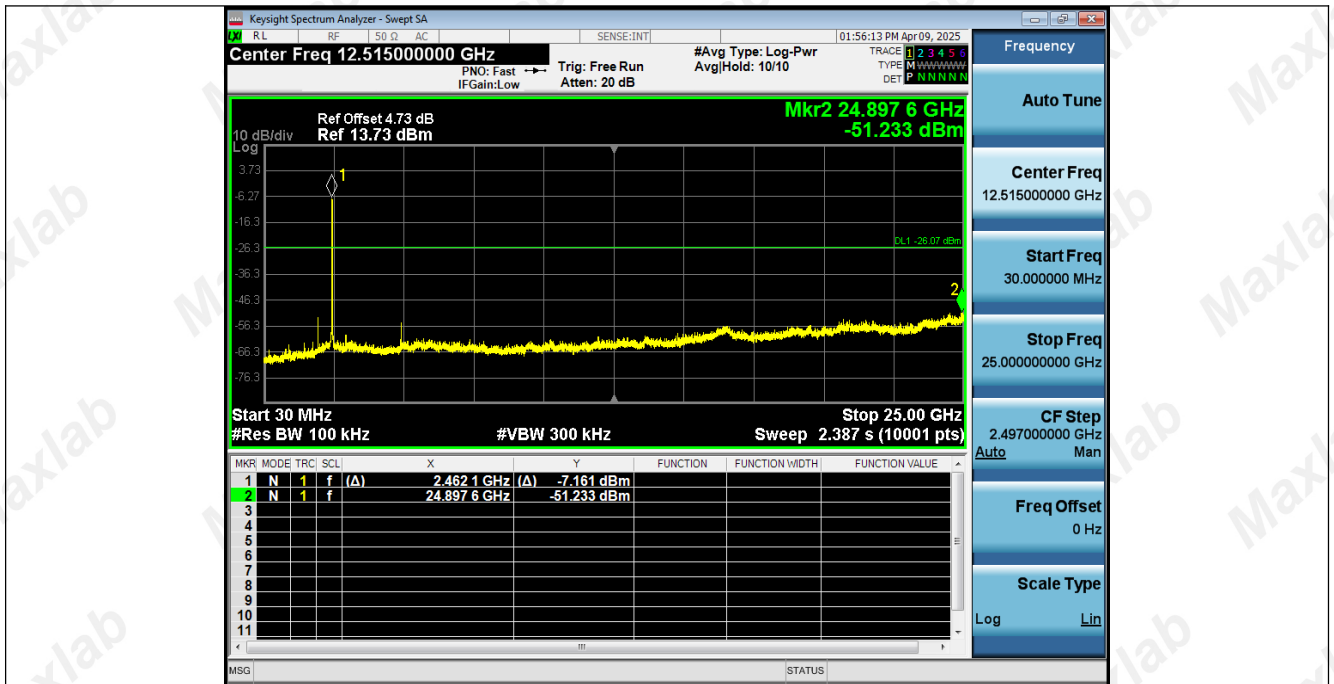
2_Spurious_Emission_NVNT_ANT1_802_11g_2437



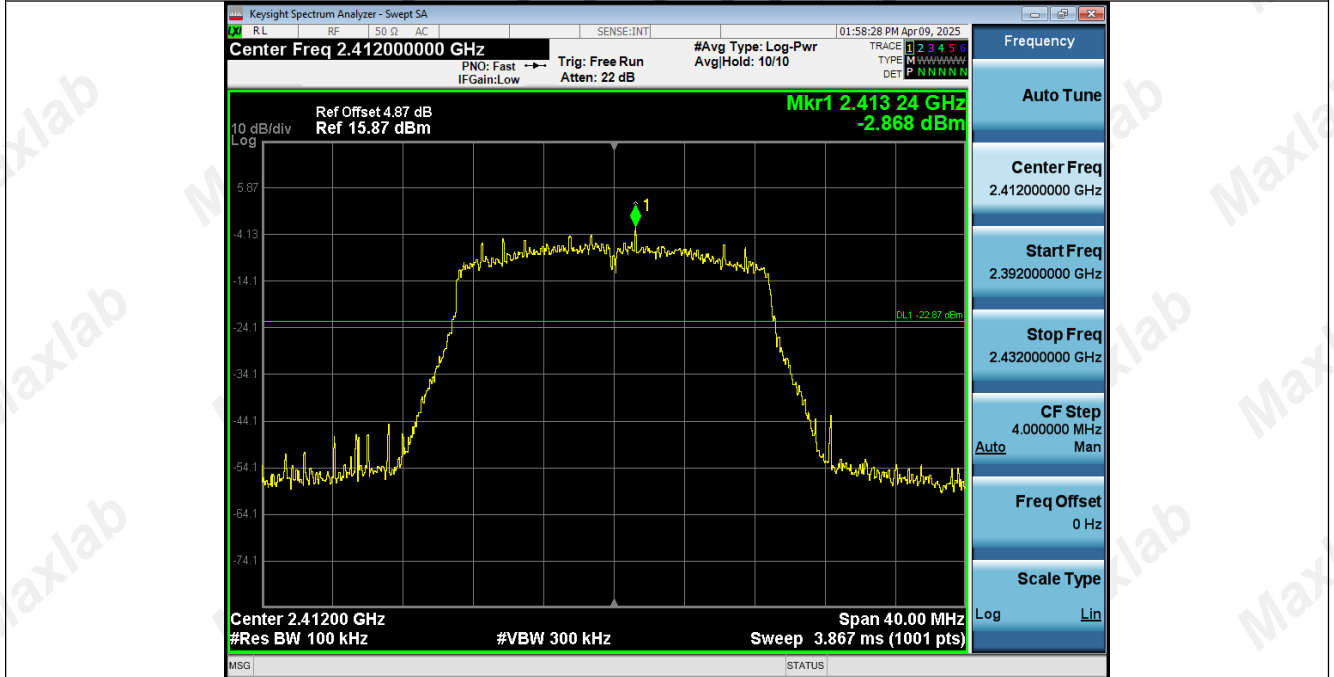
1 Reference Level NVNT_ANT1_802_11g_2462



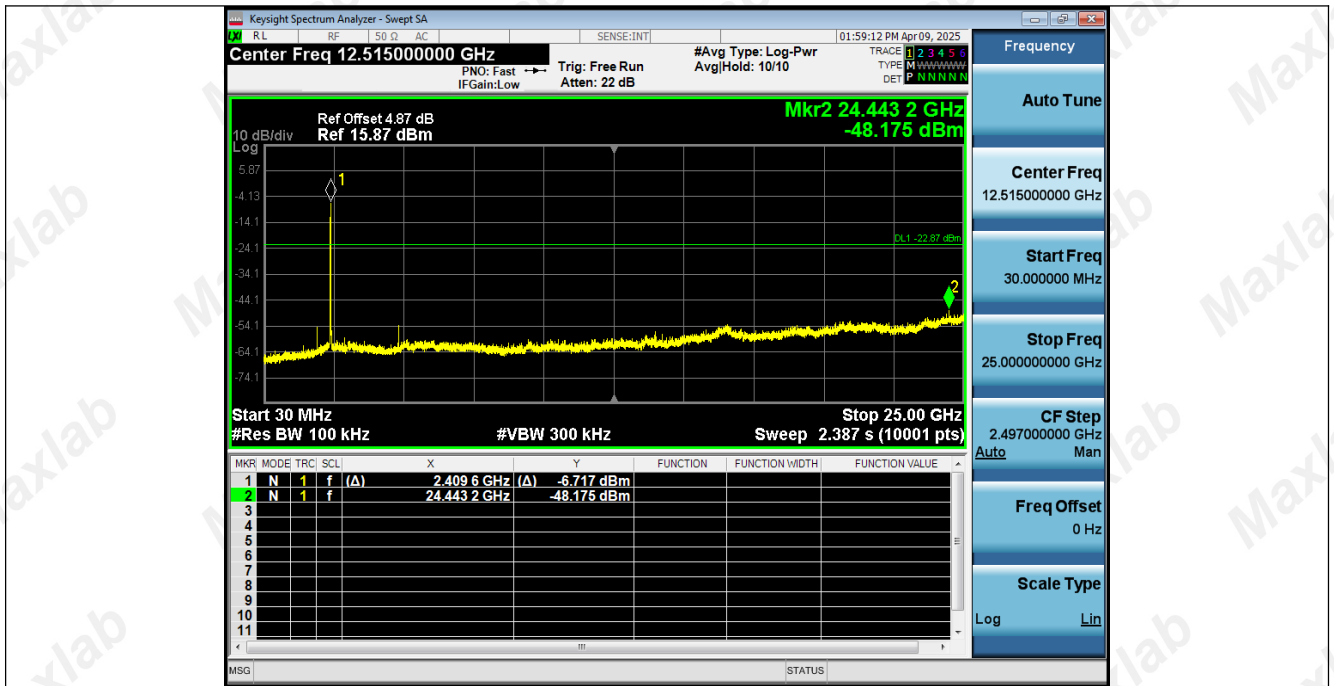
2_Spurious_Emission_NVNT_ANT1_802_11g_2462



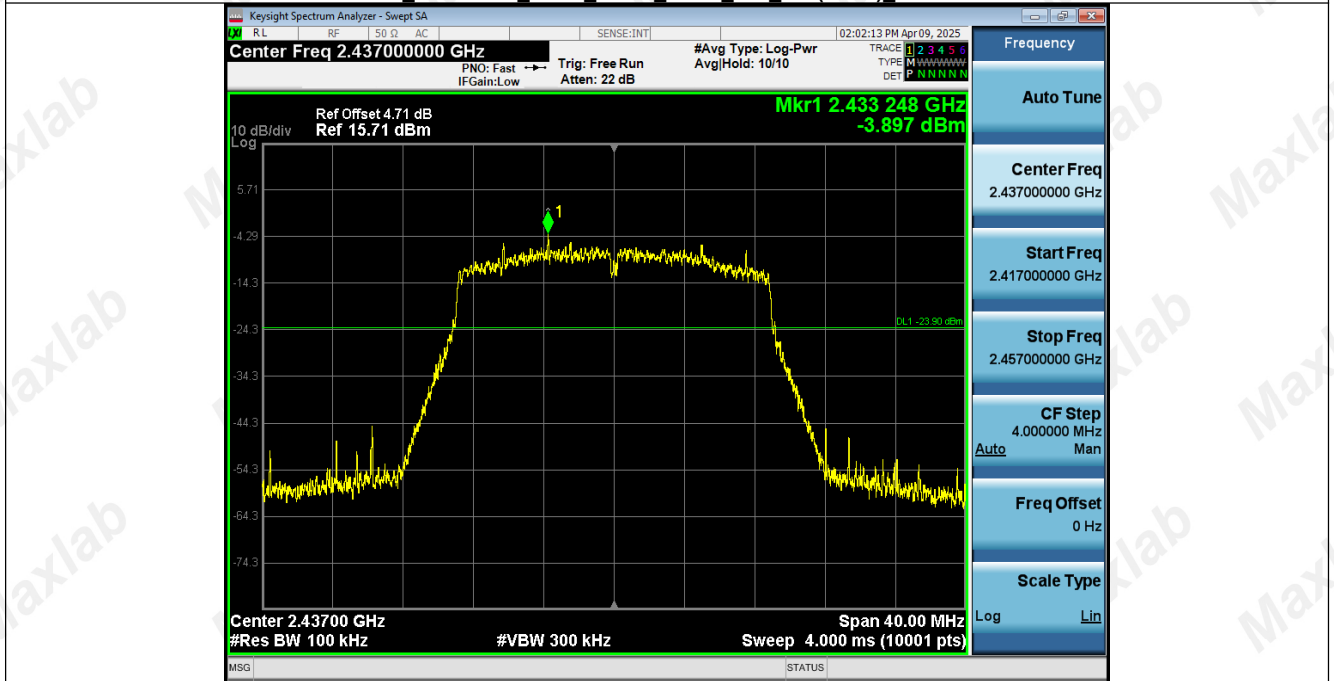
1 Reference Level NVNT_ANT1_802_11n(HT20)_2412



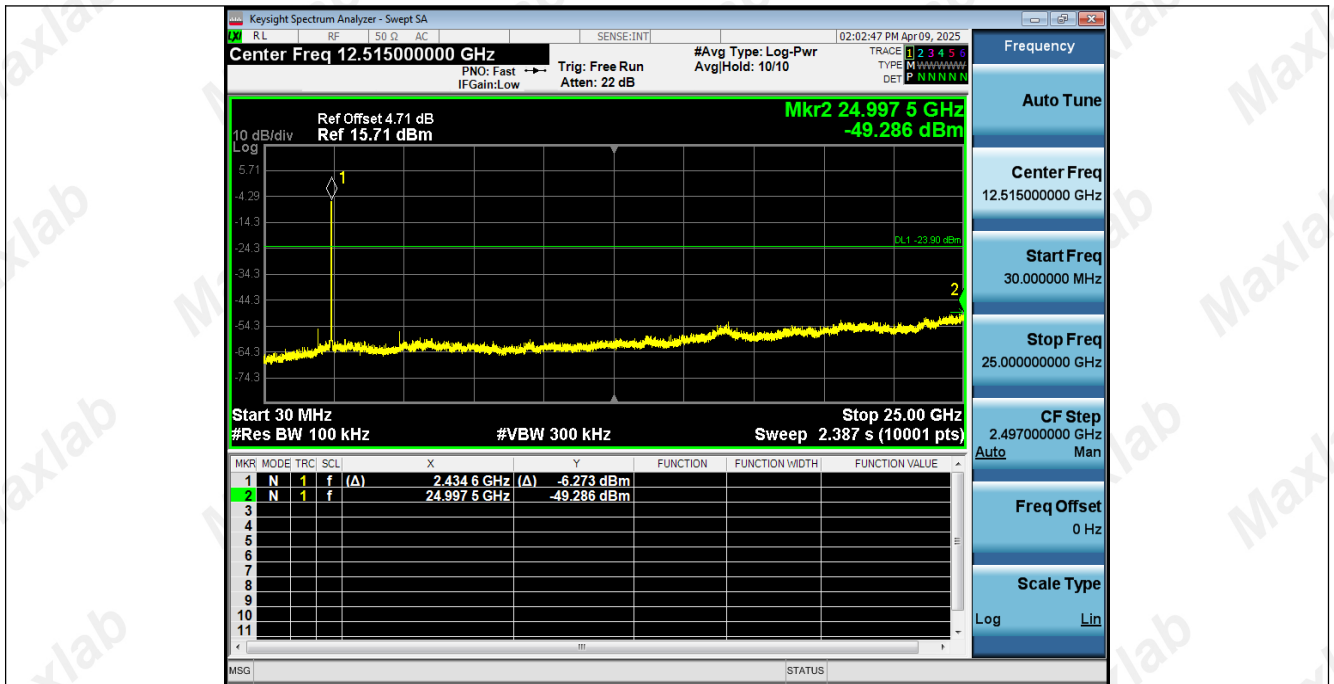
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2412



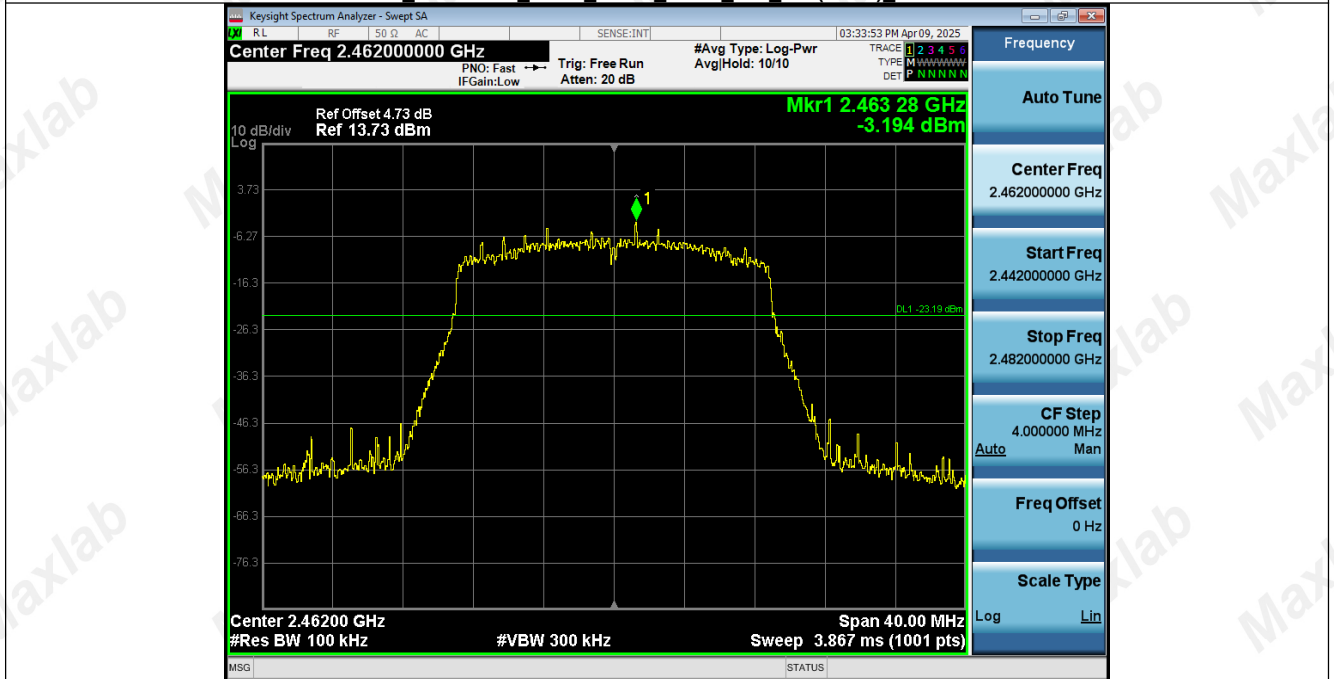
1 Reference Level NVNT_ANT1_802_11n(HT20)_2437



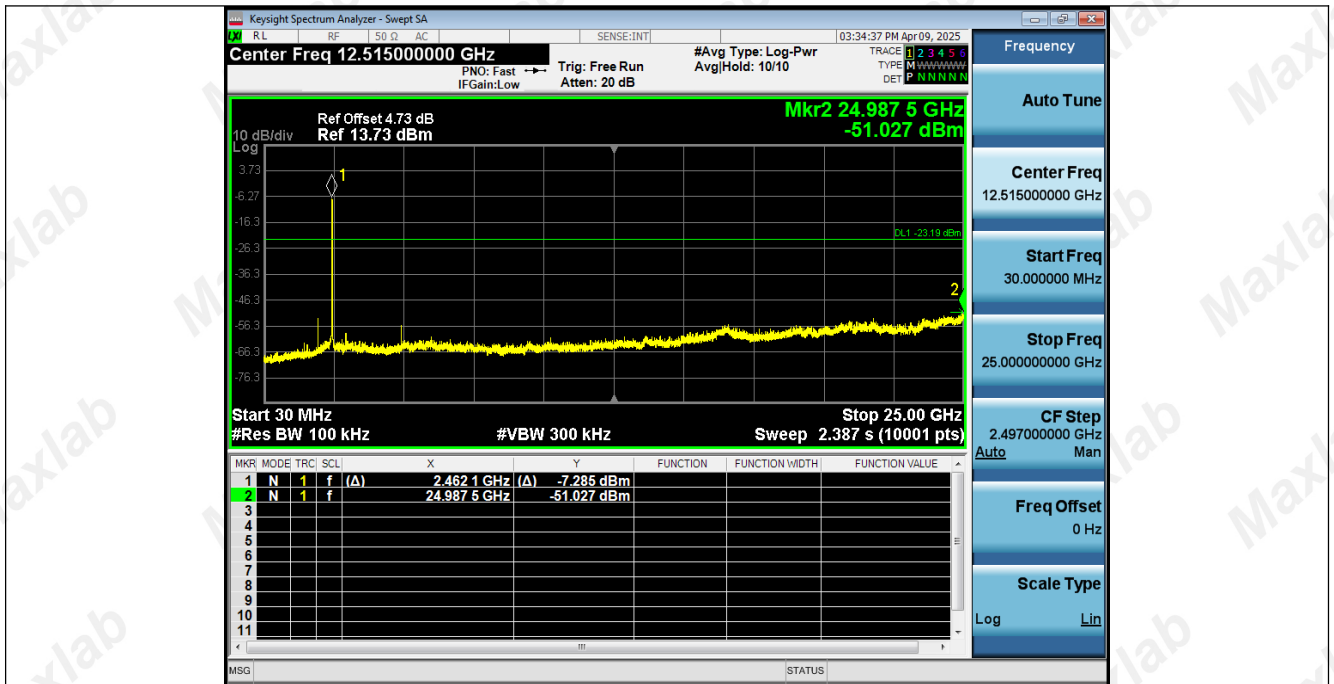
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2437



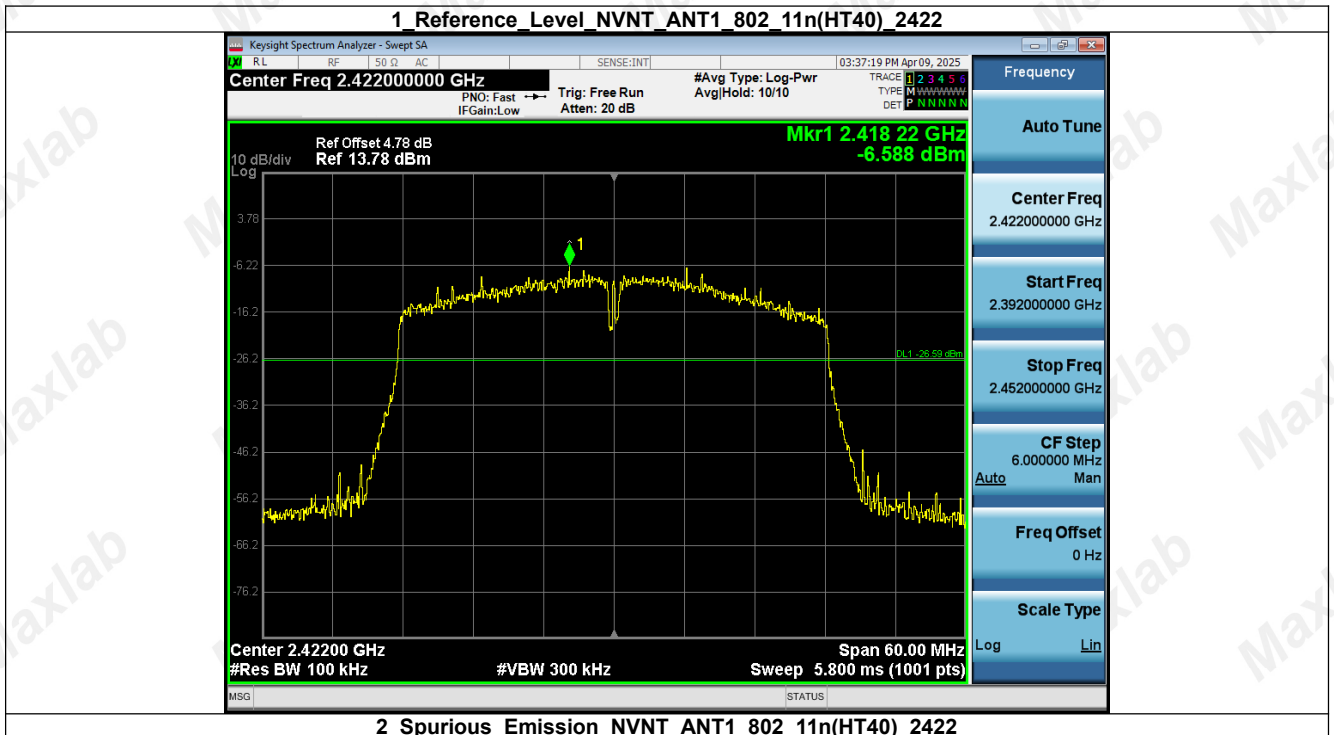
1 Reference Level NVNT_ANT1_802_11n(HT20)_2462



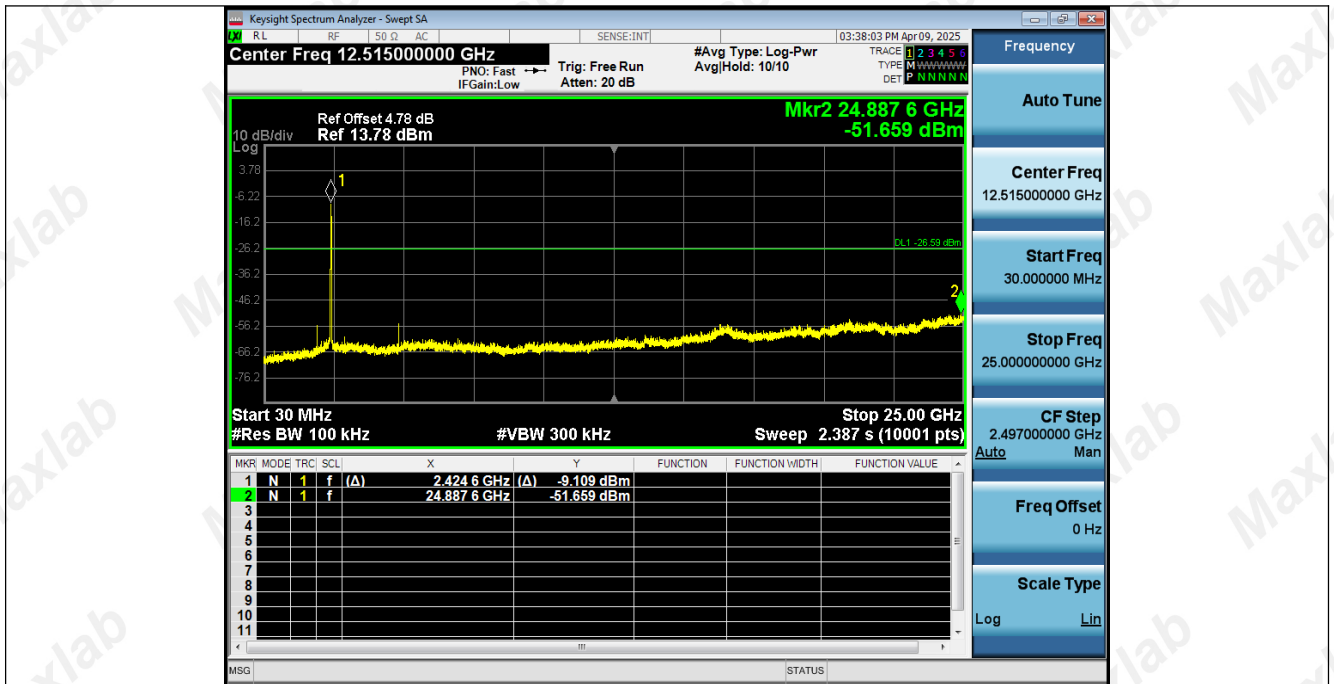
2 Spurious Emission NVNT_ANT1_802_11n(HT20)_2462



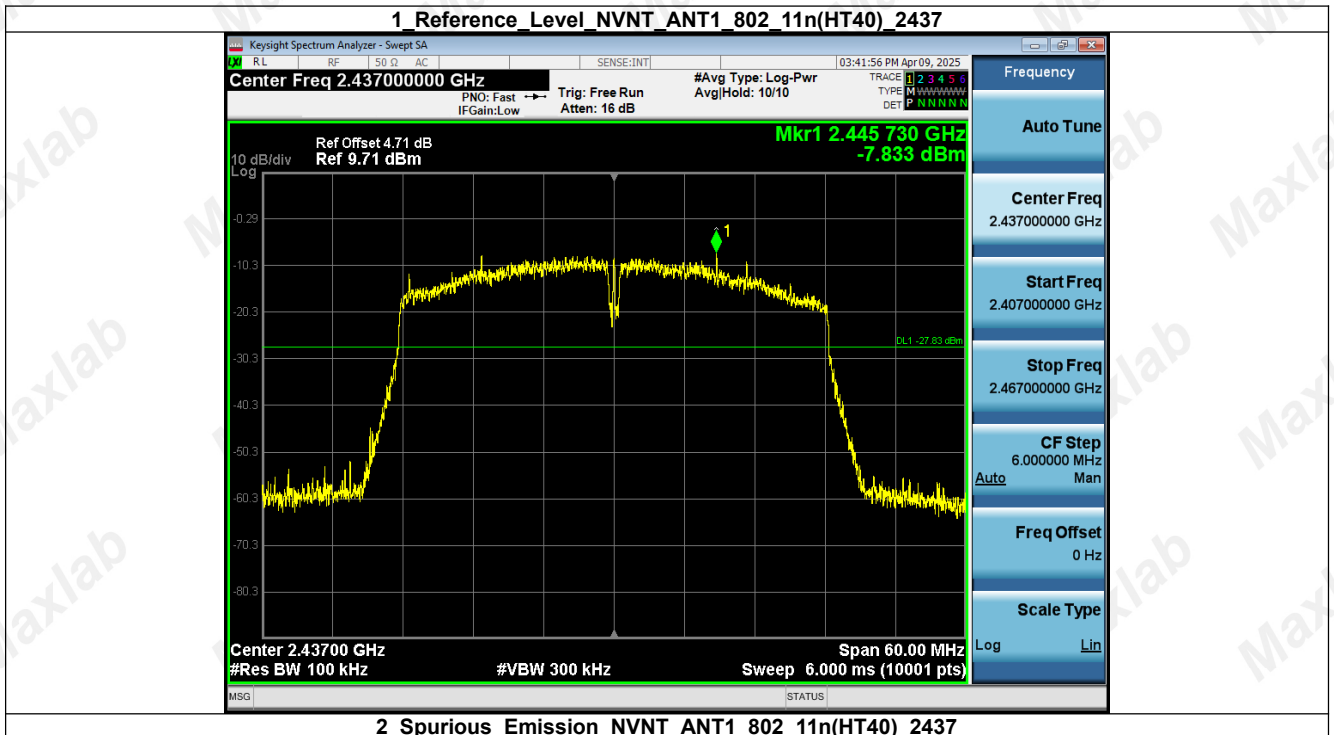
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



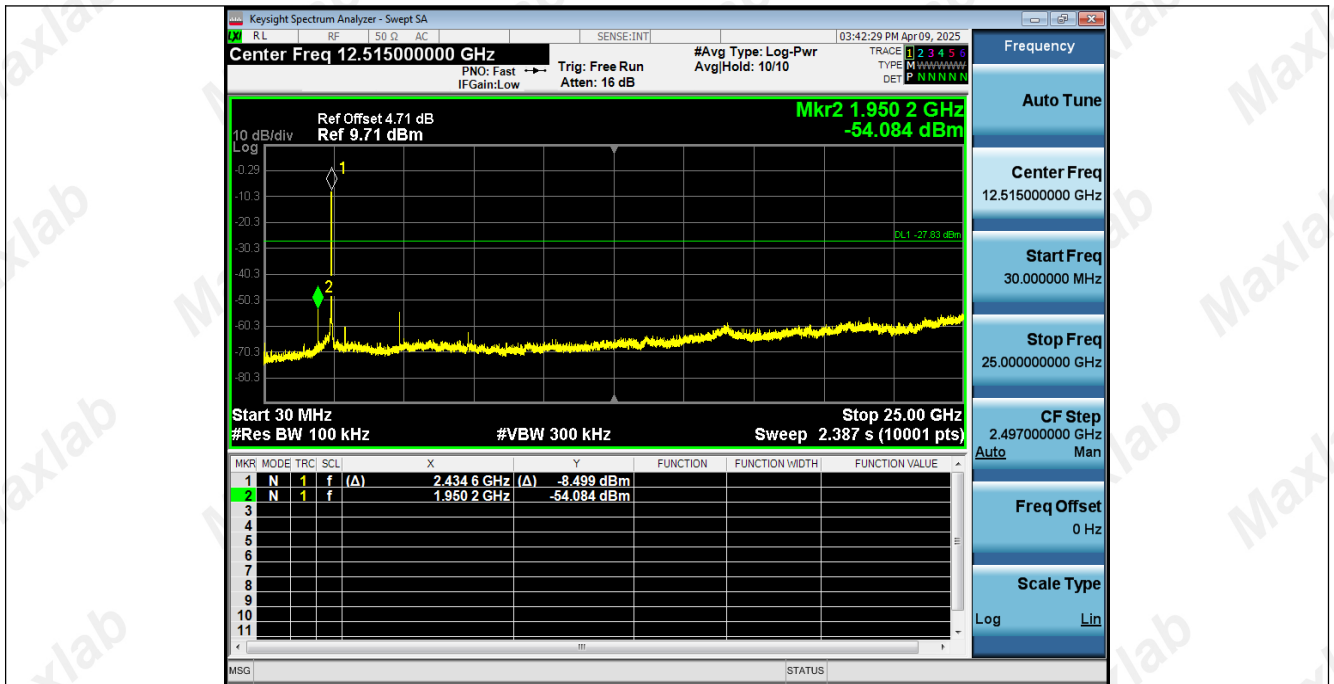
2 Spurious Emission NVNT_ANT1_802_11n(HT40)_2422



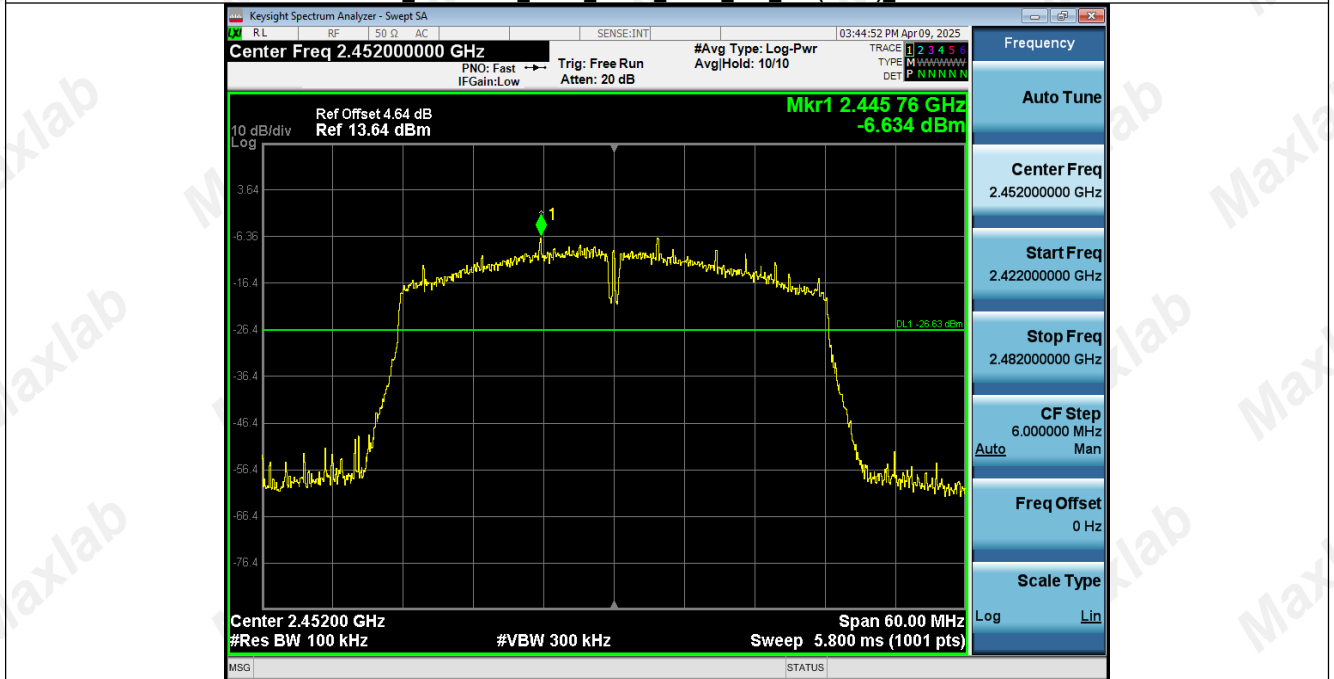
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



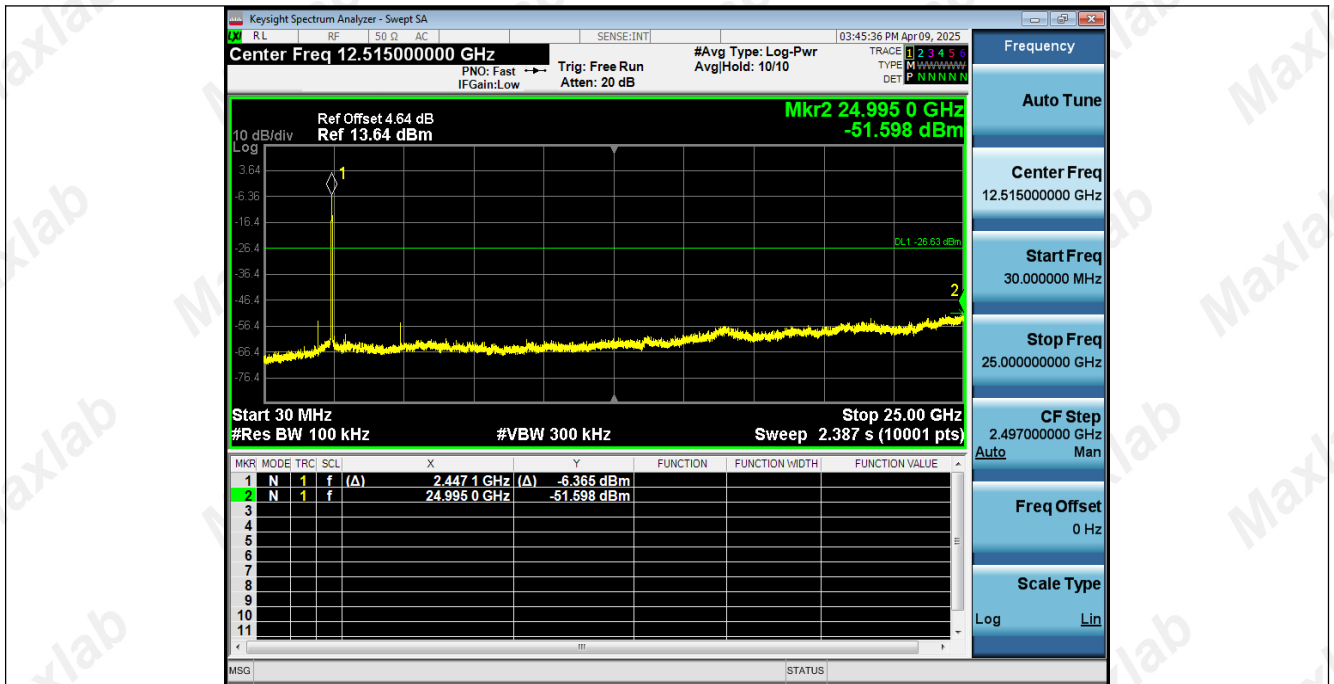
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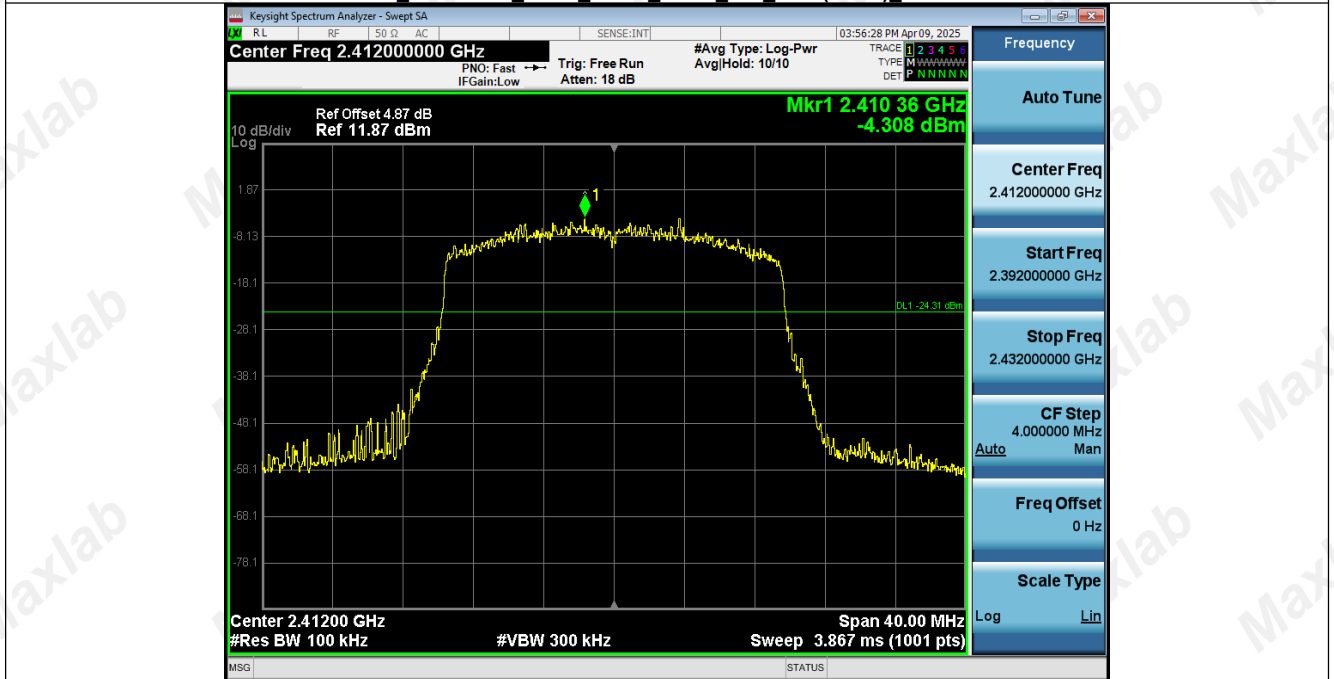
1 Reference Level NVNT_ANT1_802_11n(HT40)_2452



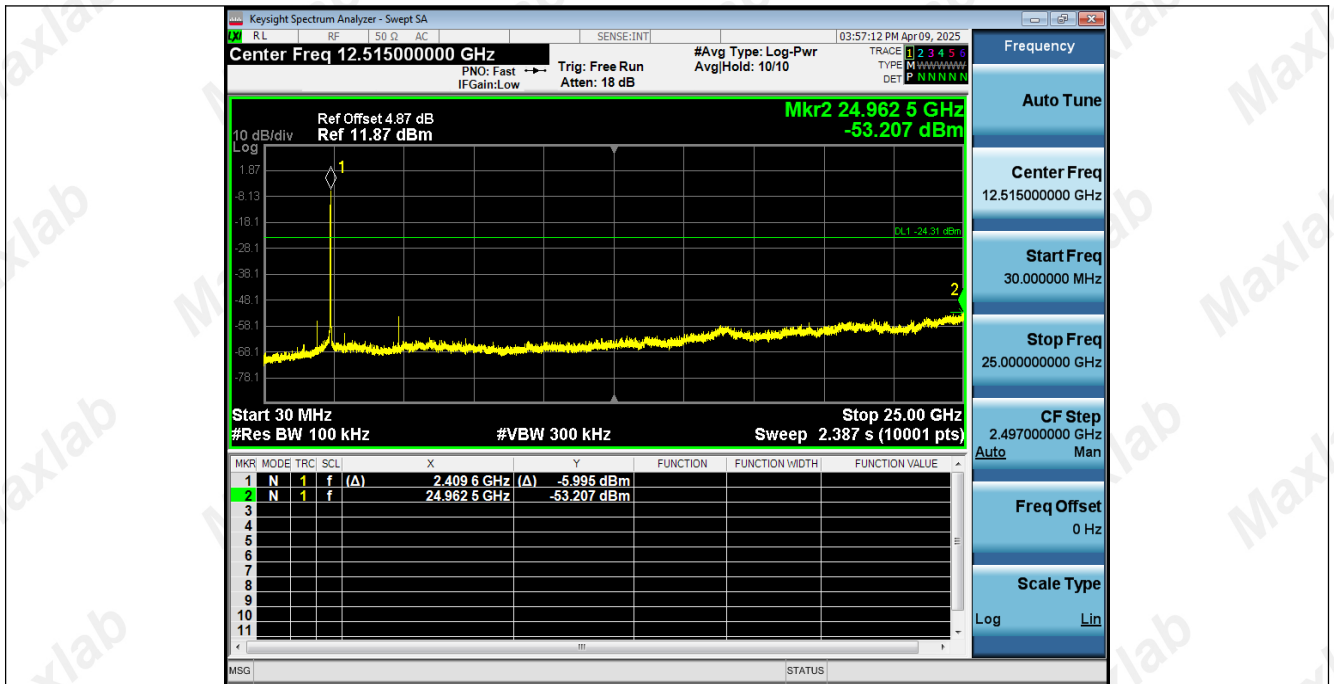
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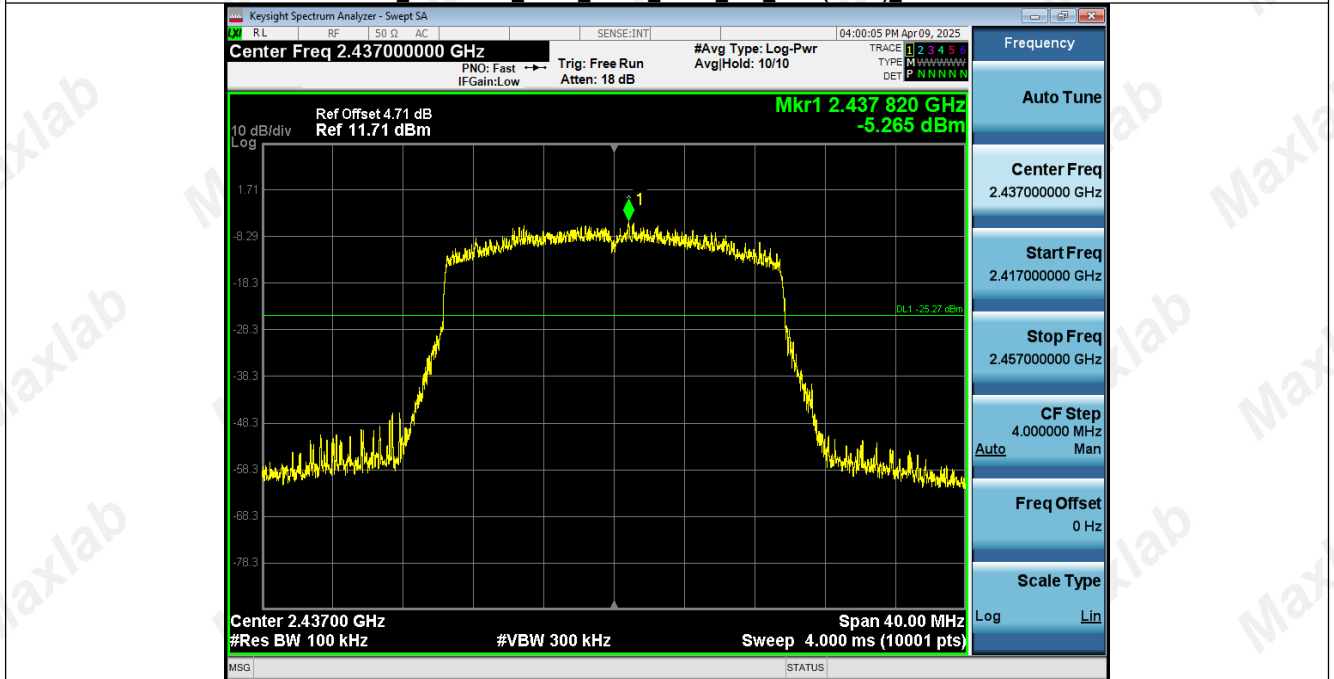
1_Reference_Level_NVNT_ANT1_802_11ax(HE20)_2412



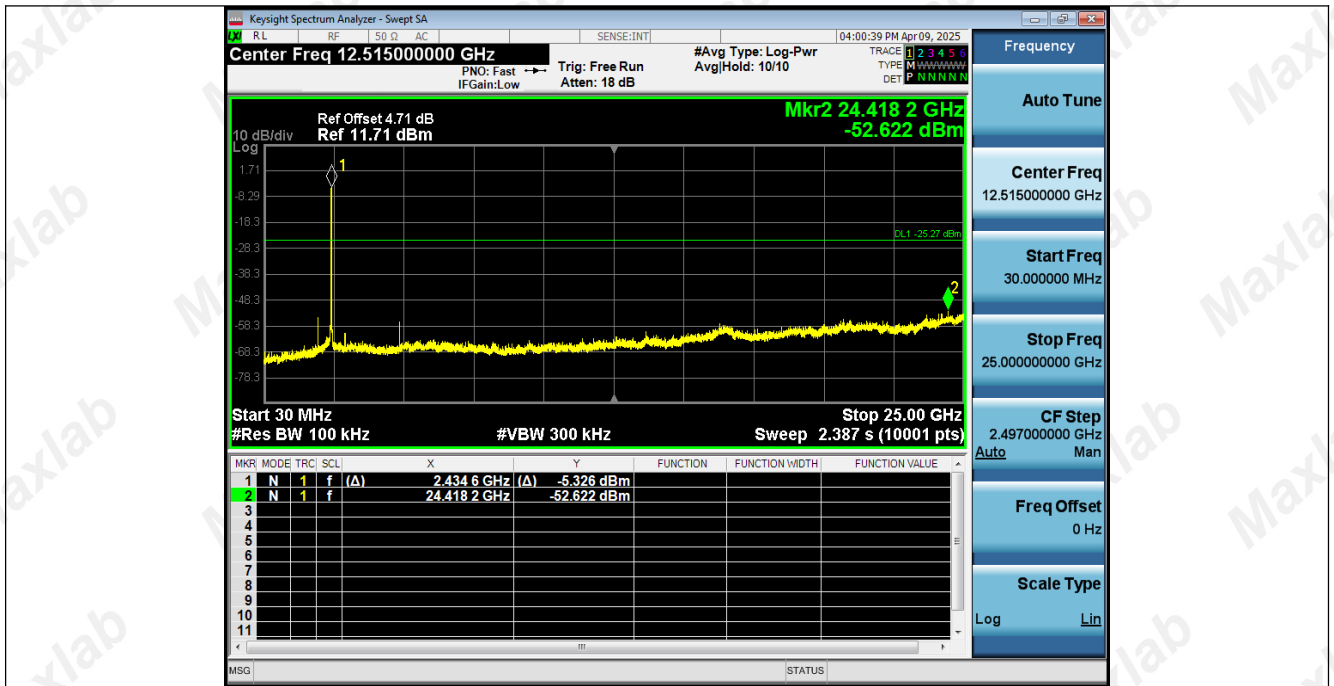
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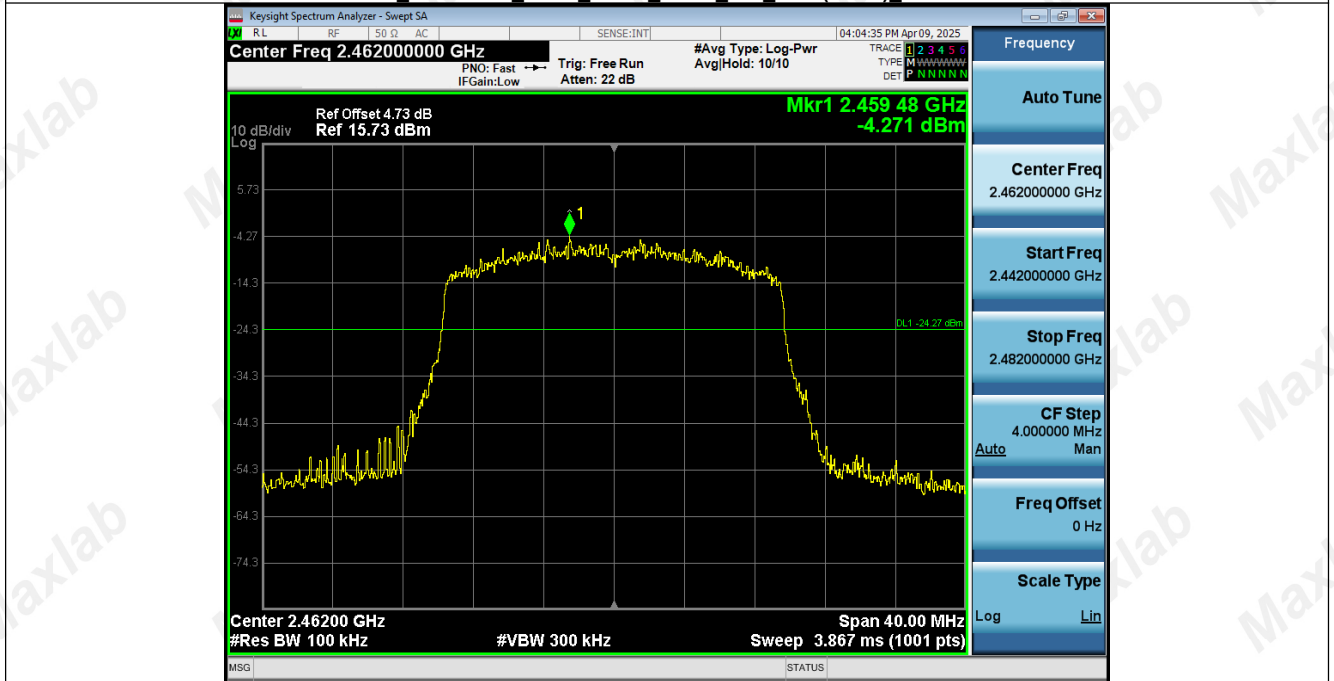
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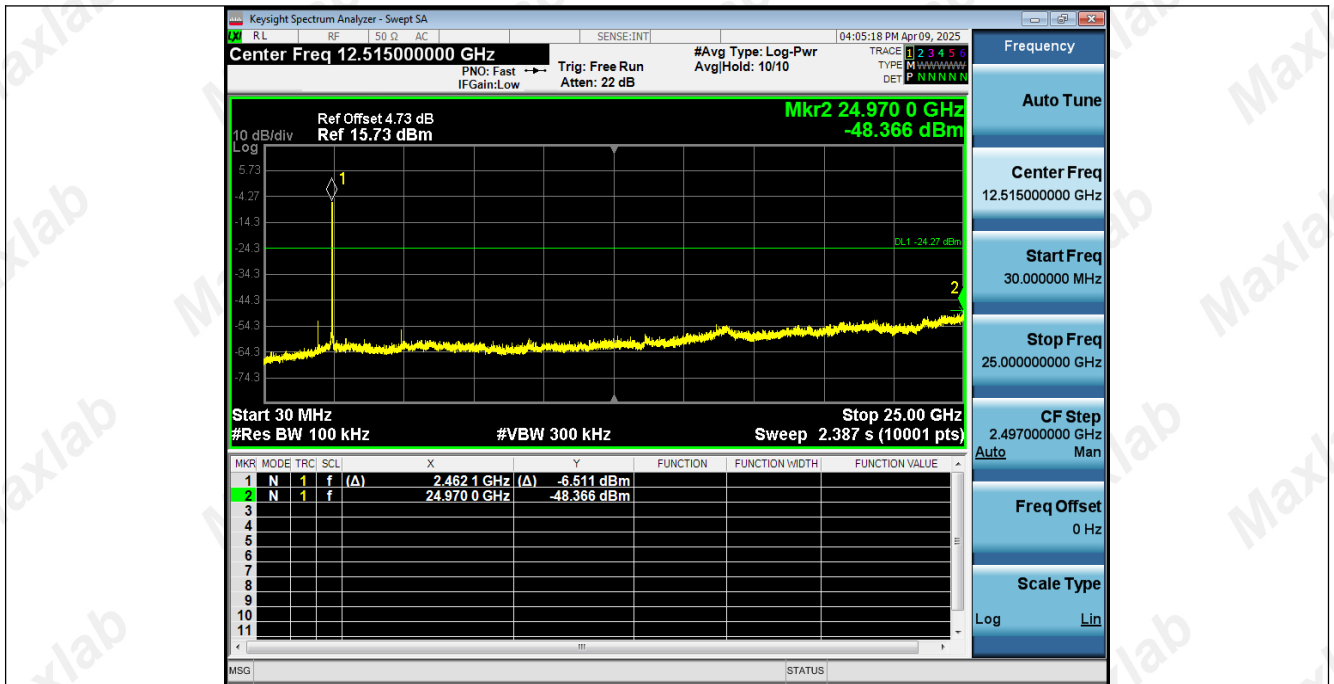
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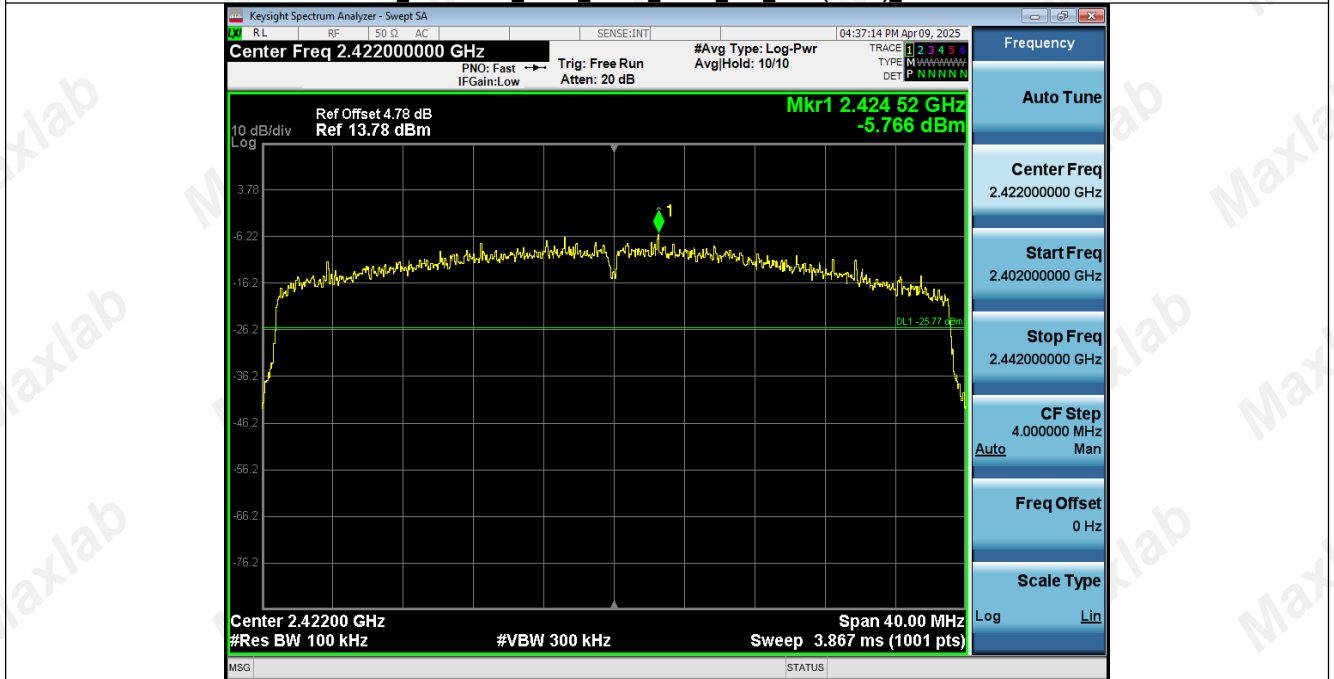
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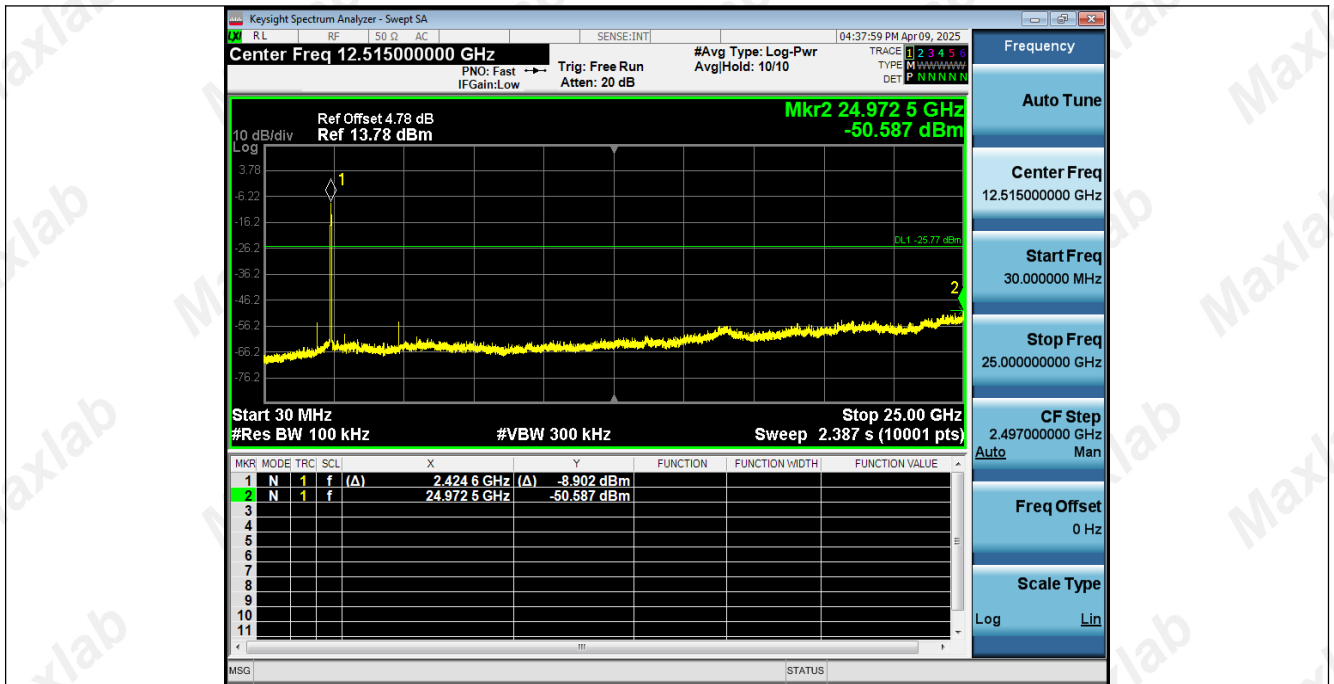
2_Spurious_Emission_NVNT_ANT1_802_11ax(HE20)_2462



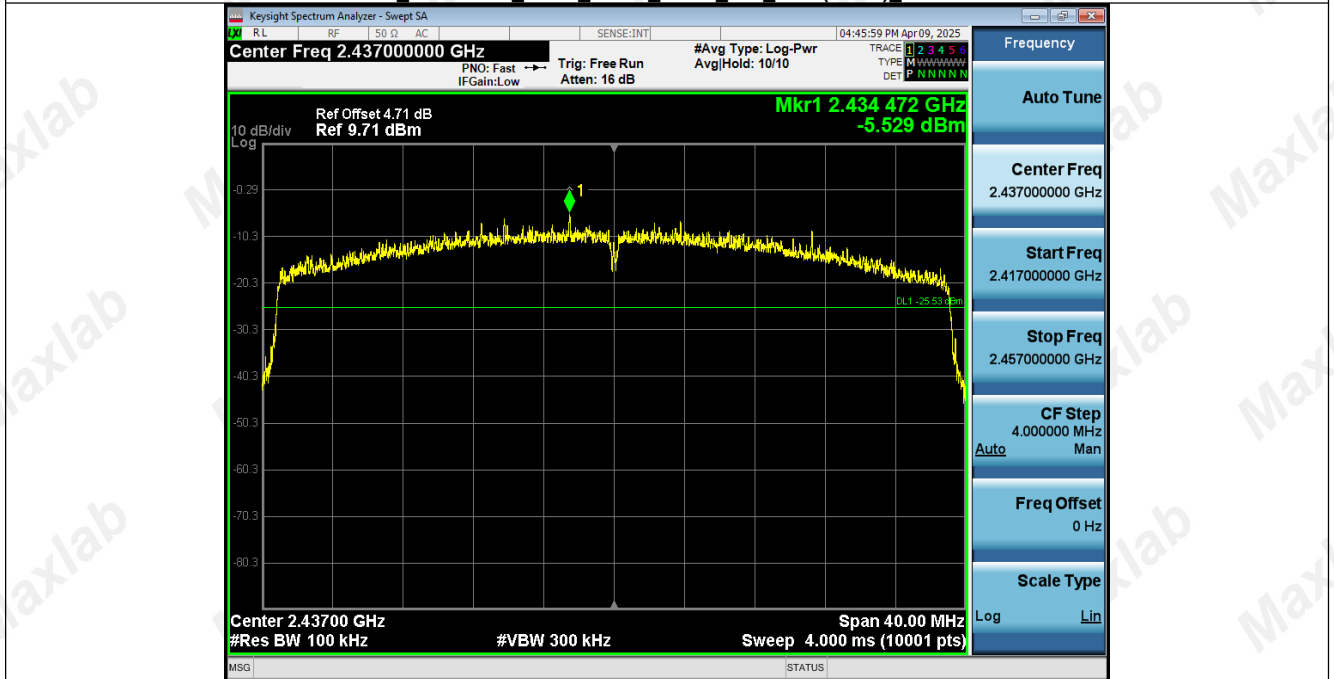
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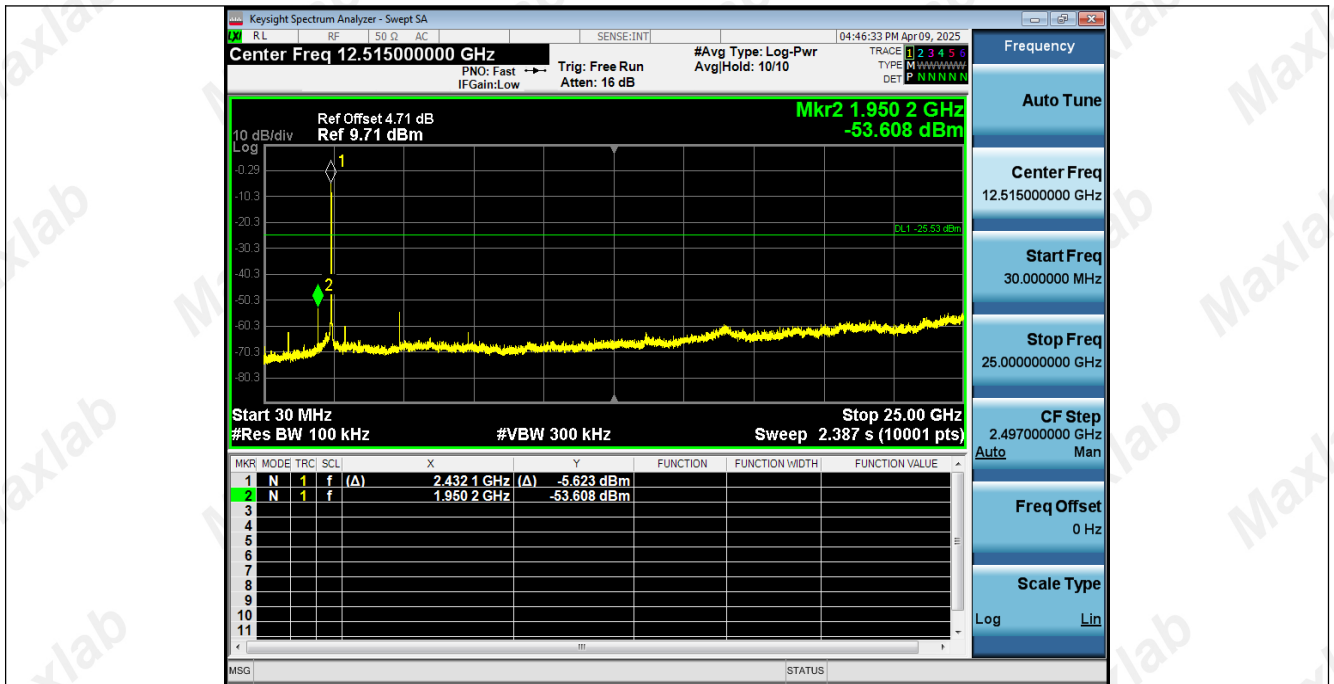
2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2422



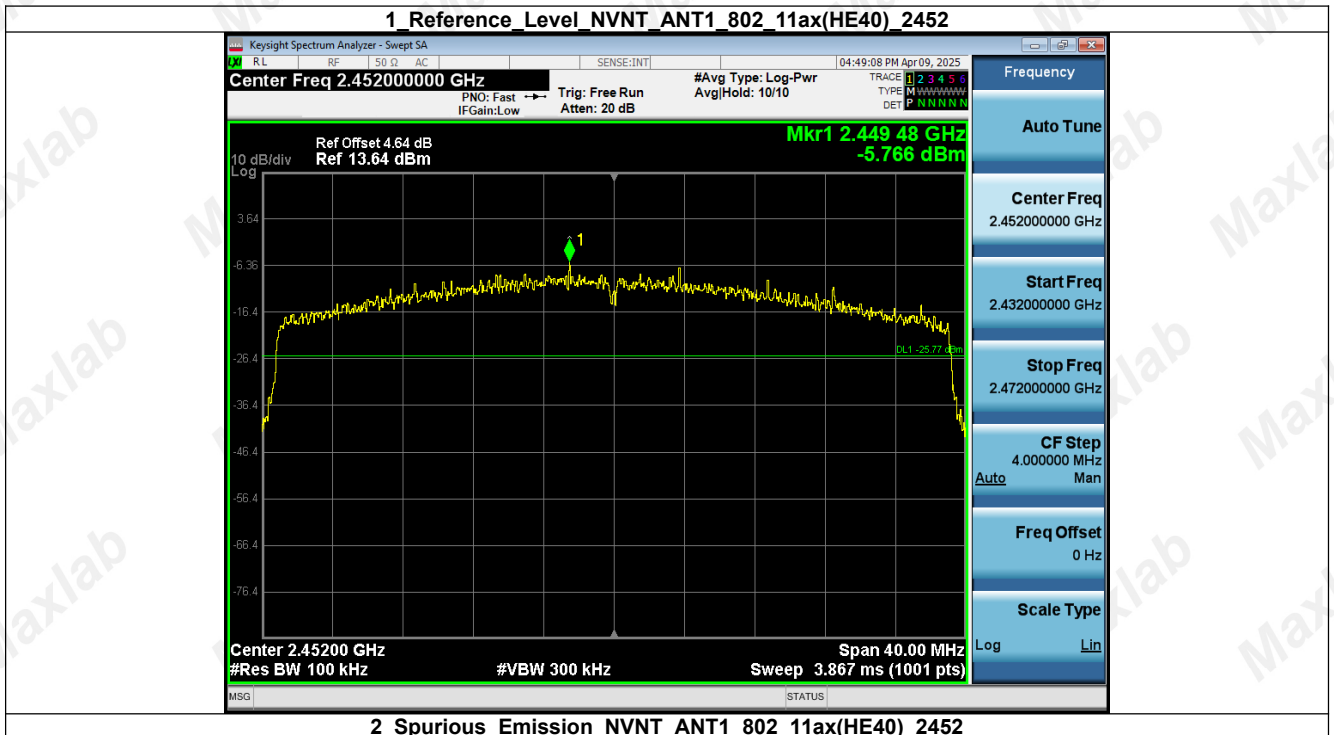
1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2437



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2437



1_Reference_Level_NVNT_ANT1_802_11ax(HE40)_2452



2_Spurious_Emission_NVNT_ANT1_802_11ax(HE40)_2452

