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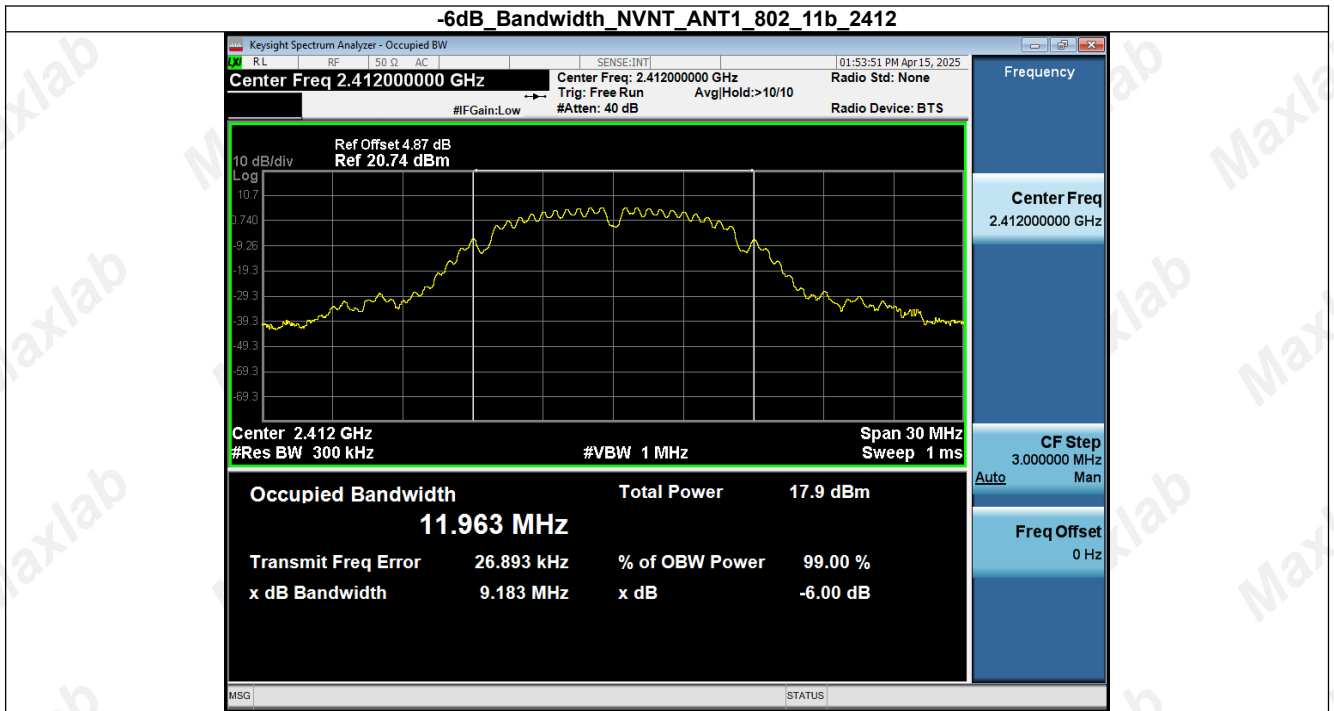
Report No.: MAX250410110P02-R01

FCC ID: 2BOS8-YJ01

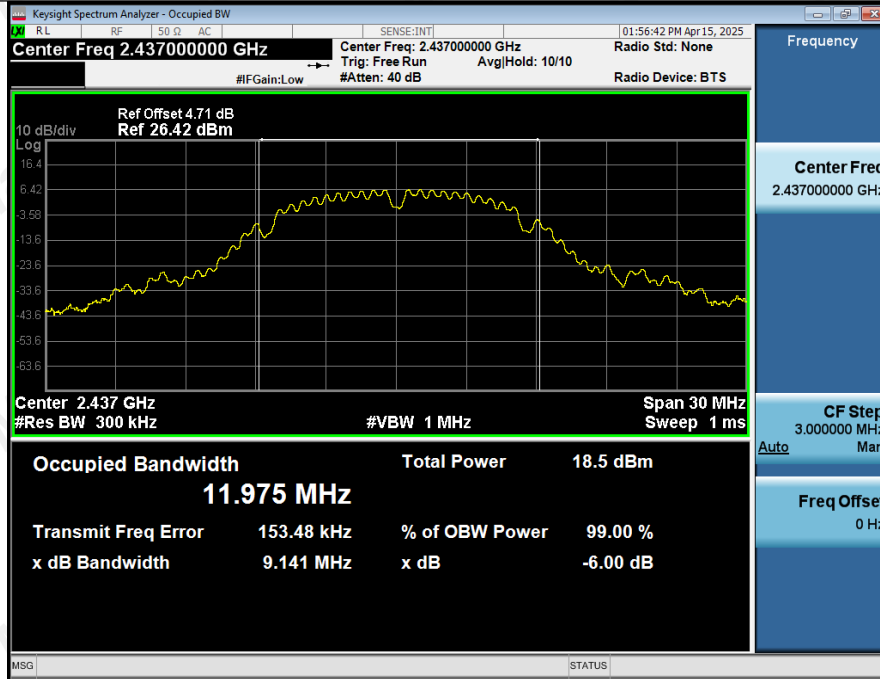
FCC_2.4G_WIFI (Part15.247) Test Data

1. -6dB Bandwidth

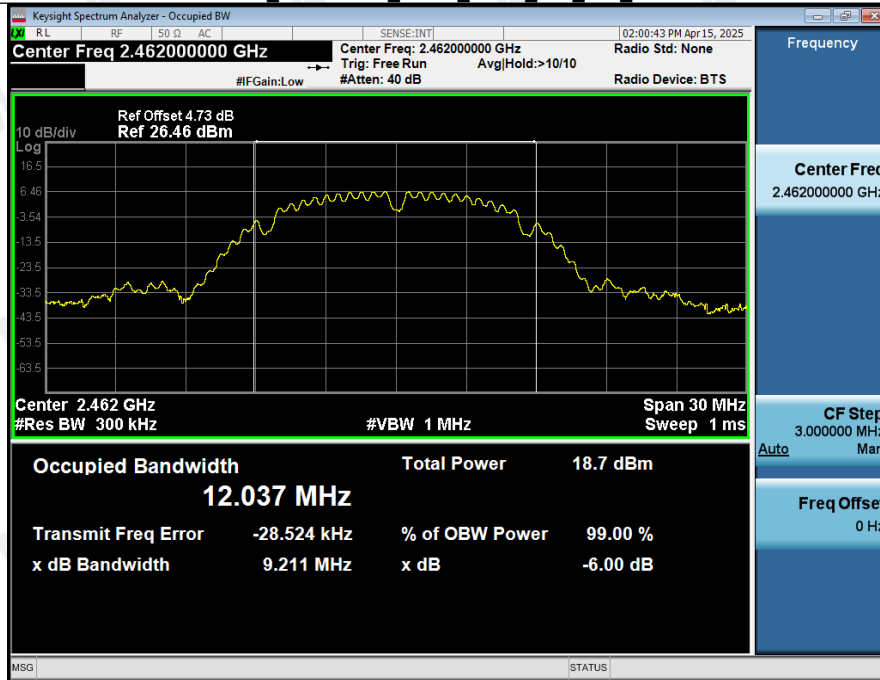
Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	9.18	500	Pass
NVNT	ANT1	802.11b	2437.00	9.14	500	Pass
NVNT	ANT1	802.11b	2462.00	9.21	500	Pass
NVNT	ANT1	802.11g	2412.00	16.37	500	Pass
NVNT	ANT1	802.11g	2437.00	16.30	500	Pass
NVNT	ANT1	802.11g	2462.00	16.50	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.30	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.19	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.35	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.22	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.95	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.33	500	Pass



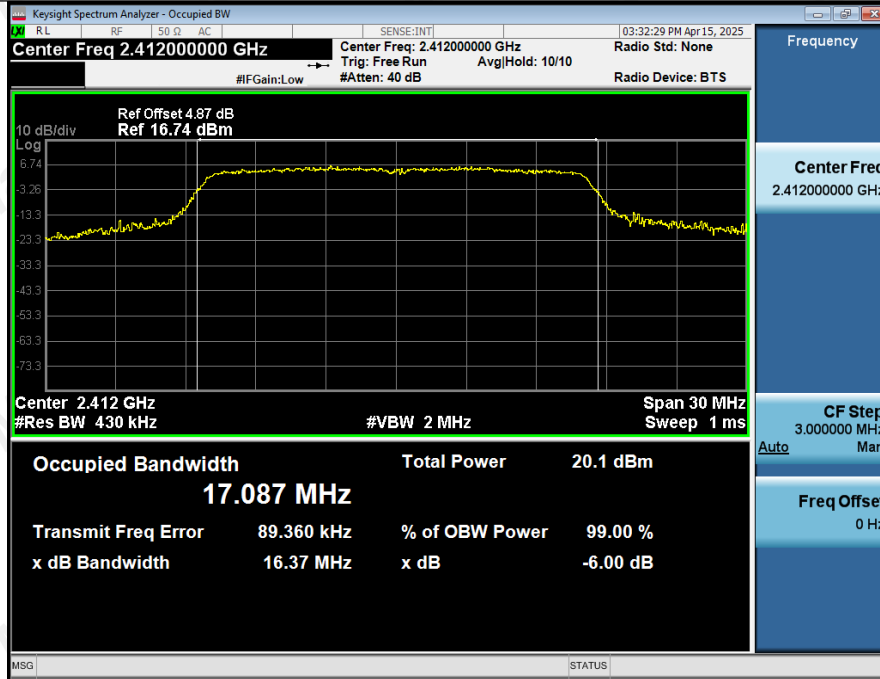
-6dB Bandwidth_NVNT_ANT1_802_11b_2437



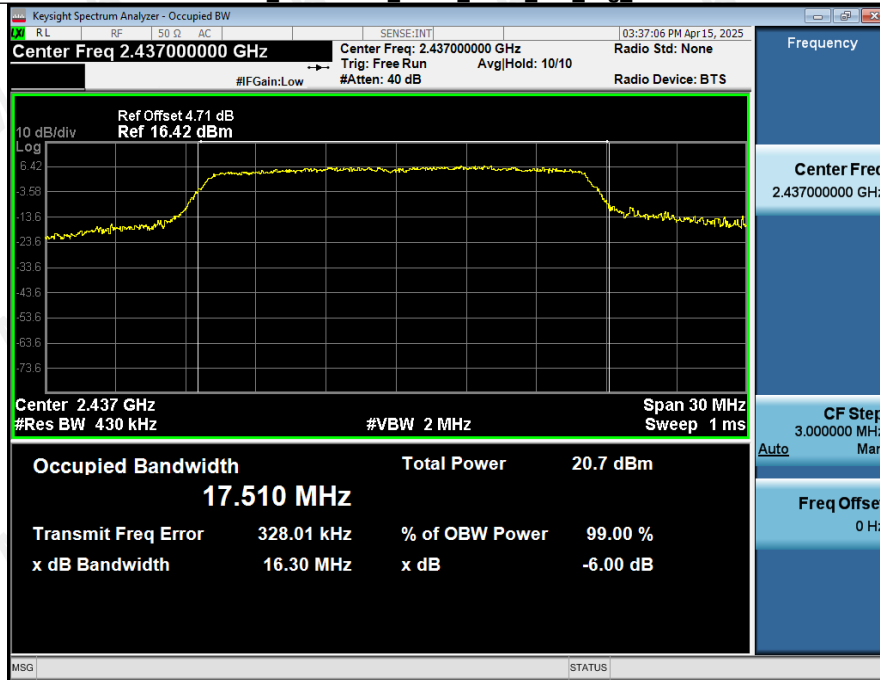
-6dB Bandwidth_NVNT_ANT1_802_11b_2462



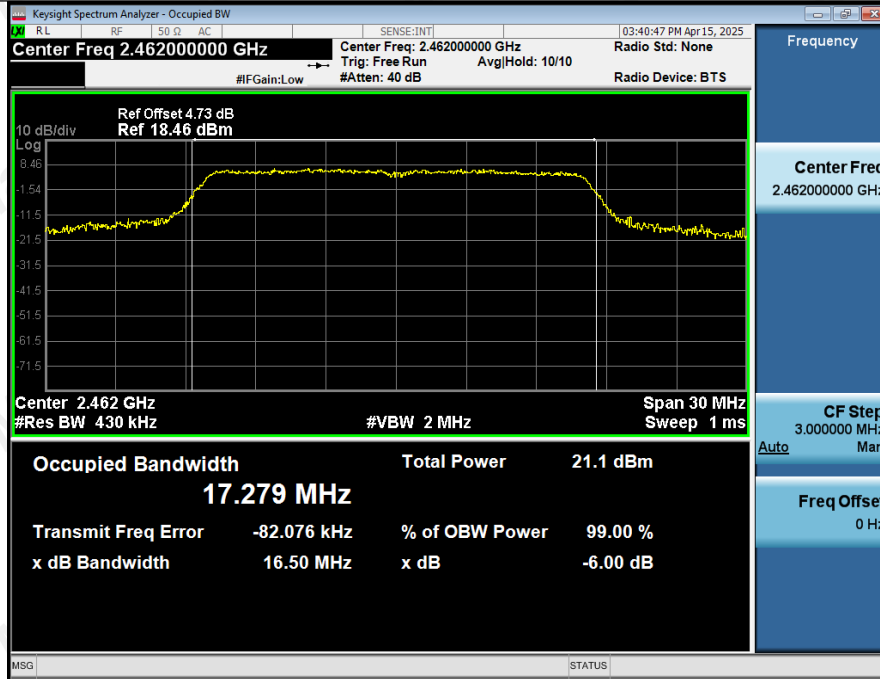
-6dB Bandwidth_NVNT_ANT1_802_11g_2412



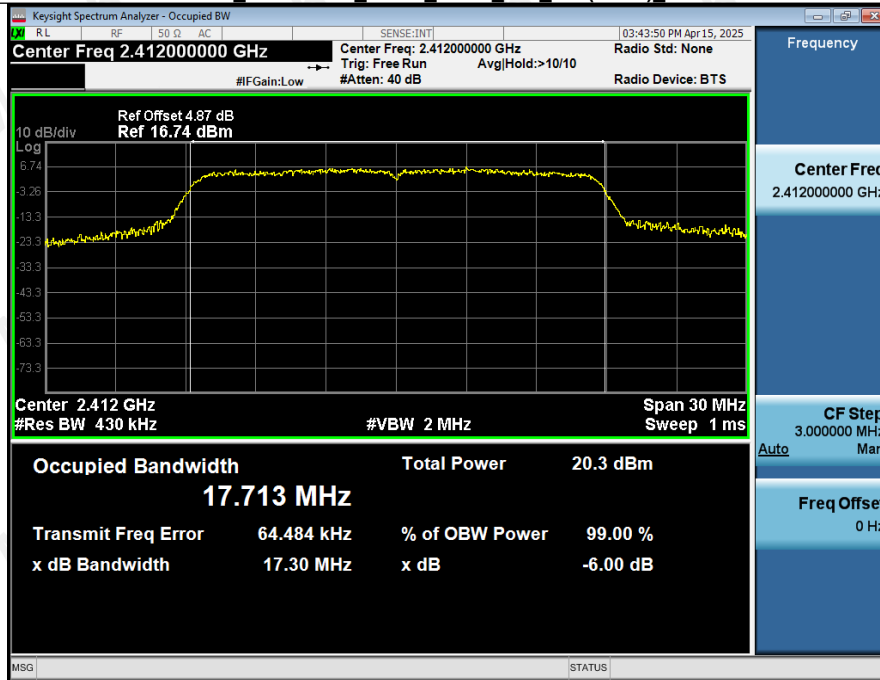
-6dB Bandwidth_NVNT_ANT1_802_11g_2437

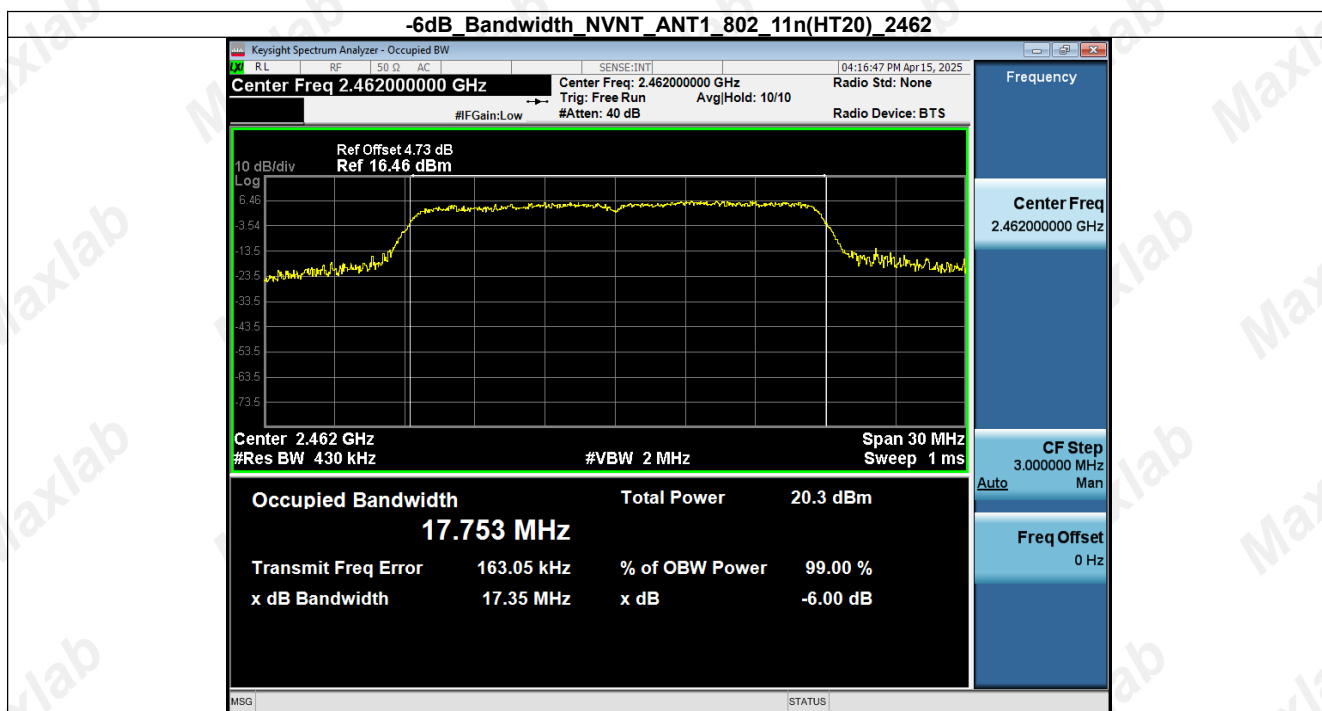
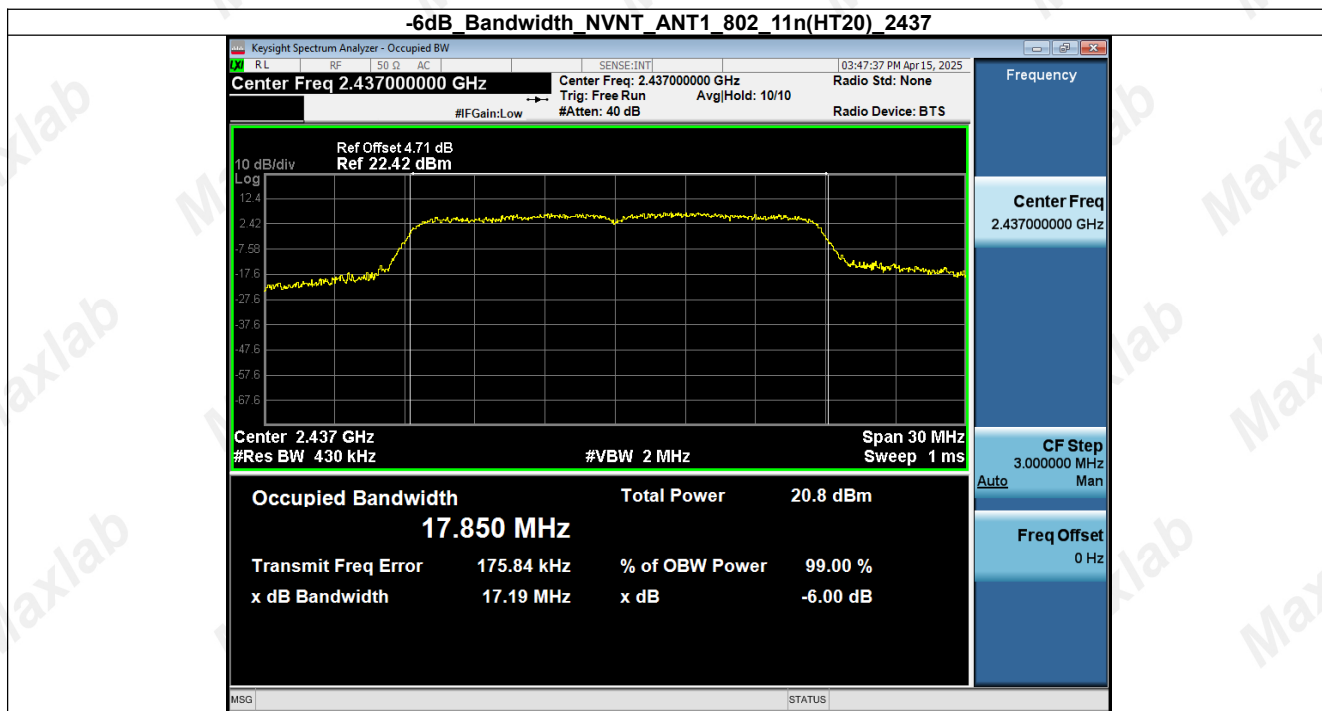


-6dB Bandwidth_NVNT_ANT1_802_11g_2462

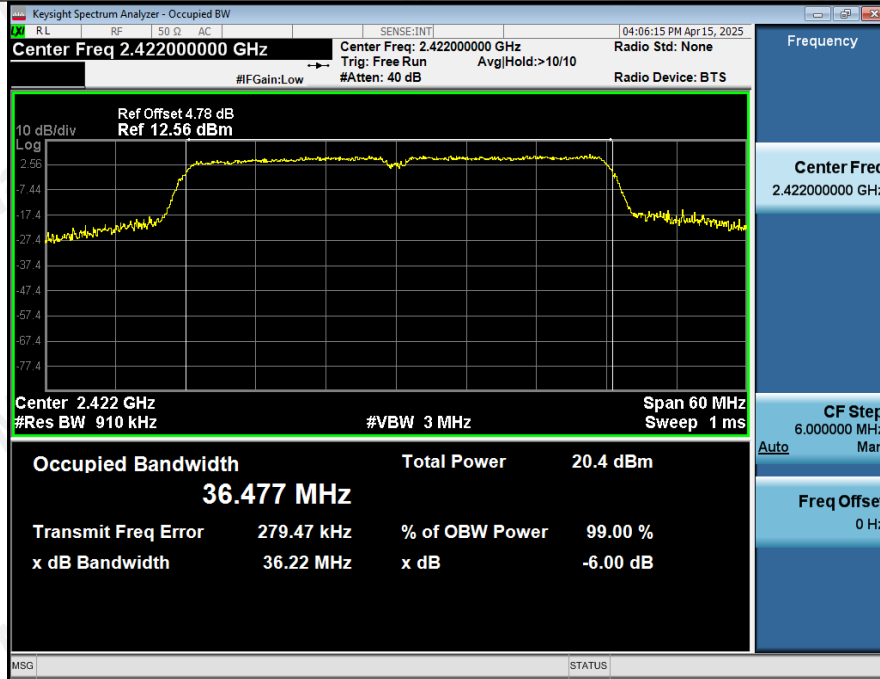


-6dB Bandwidth_NVNT_ANT1_802_11n(HT20)_2412

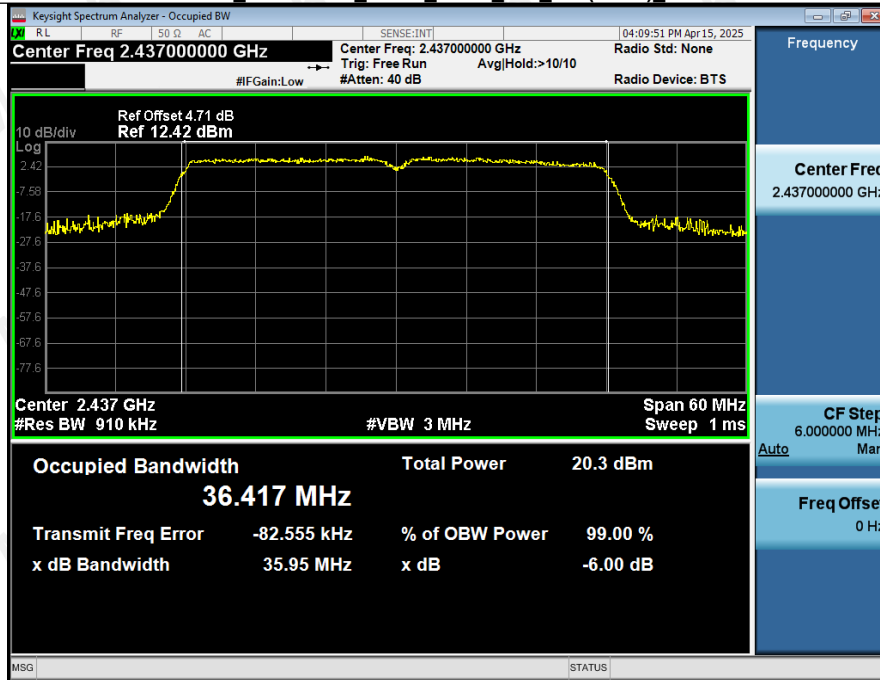


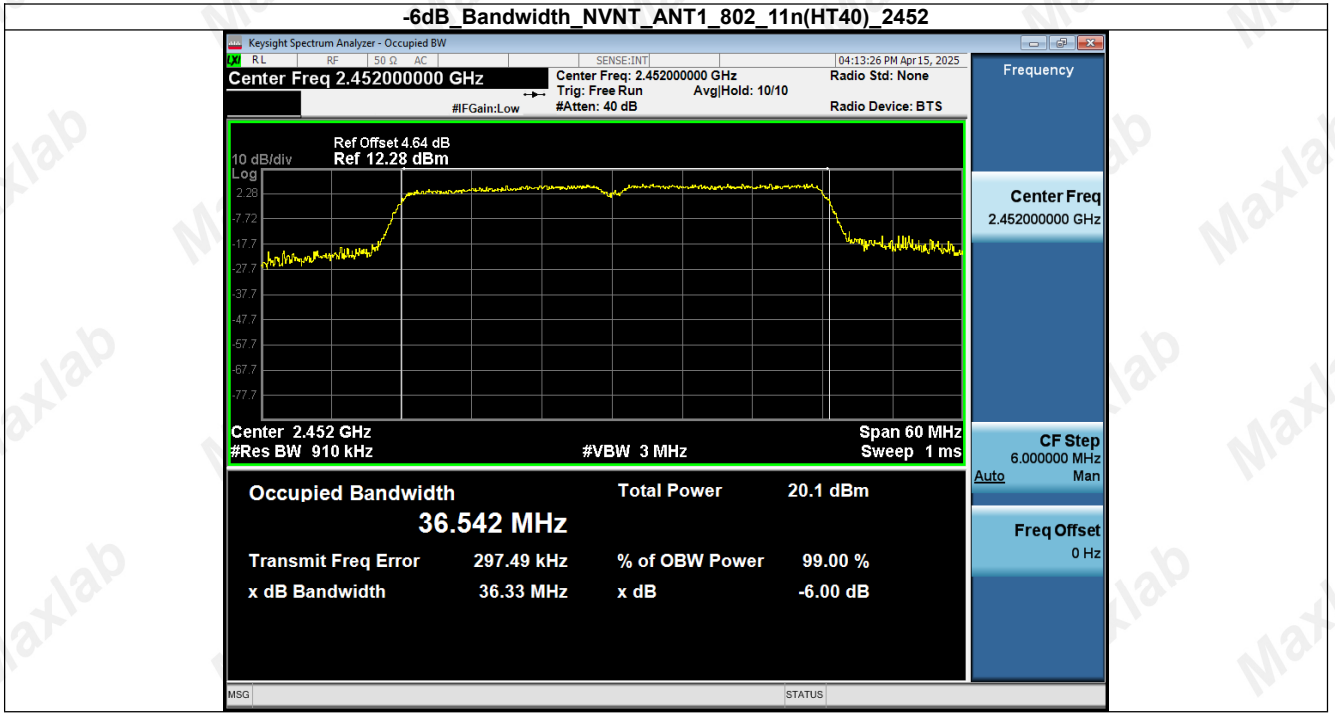


-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



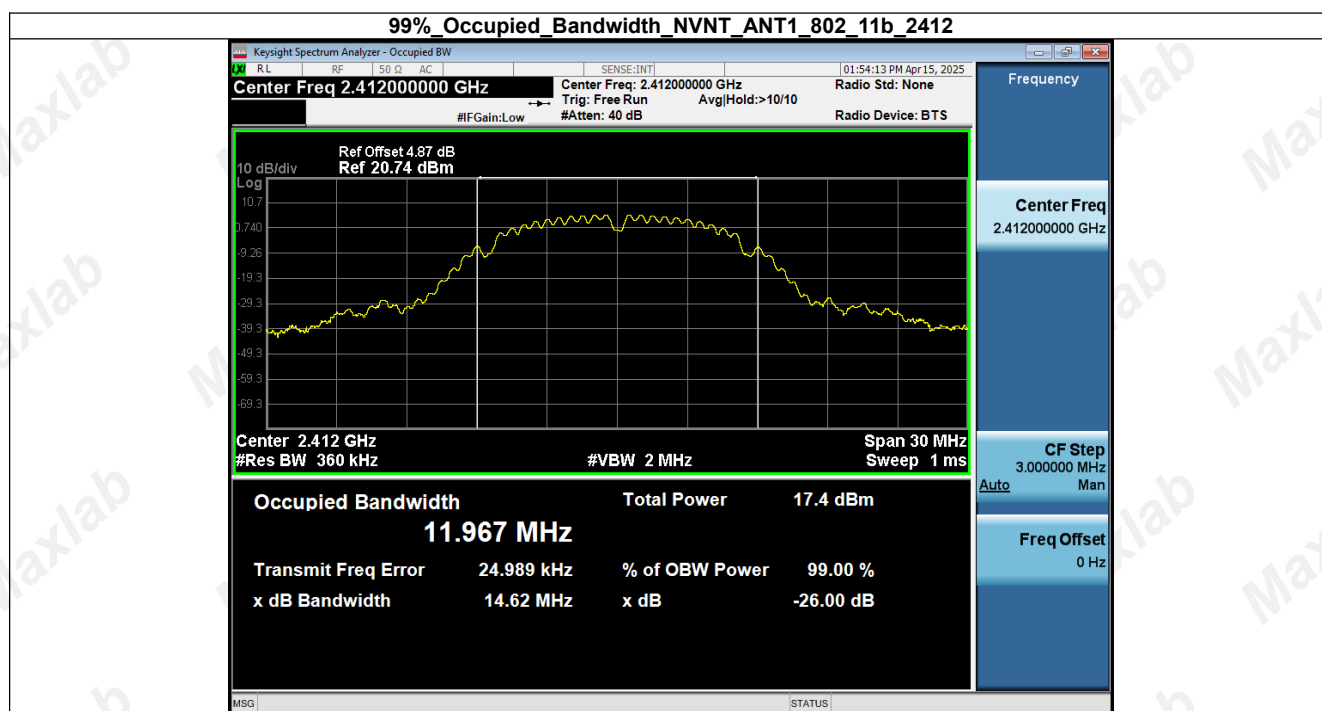
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437

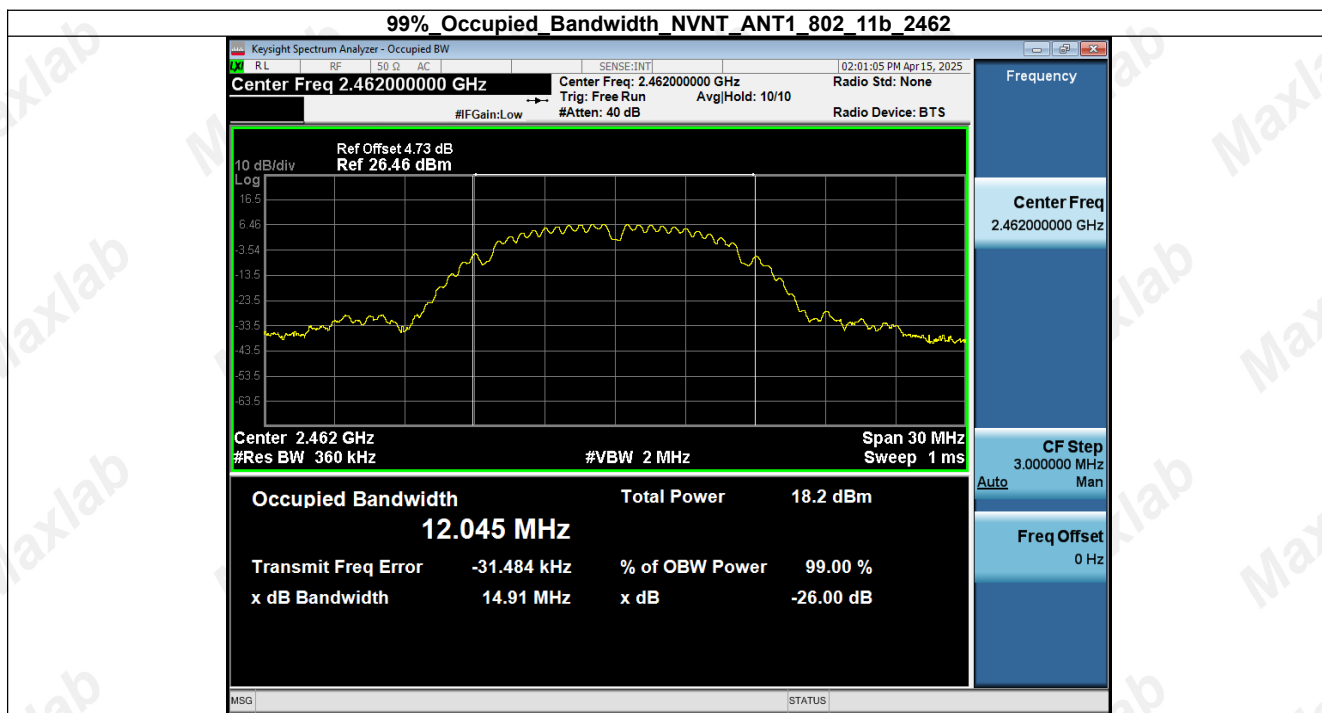
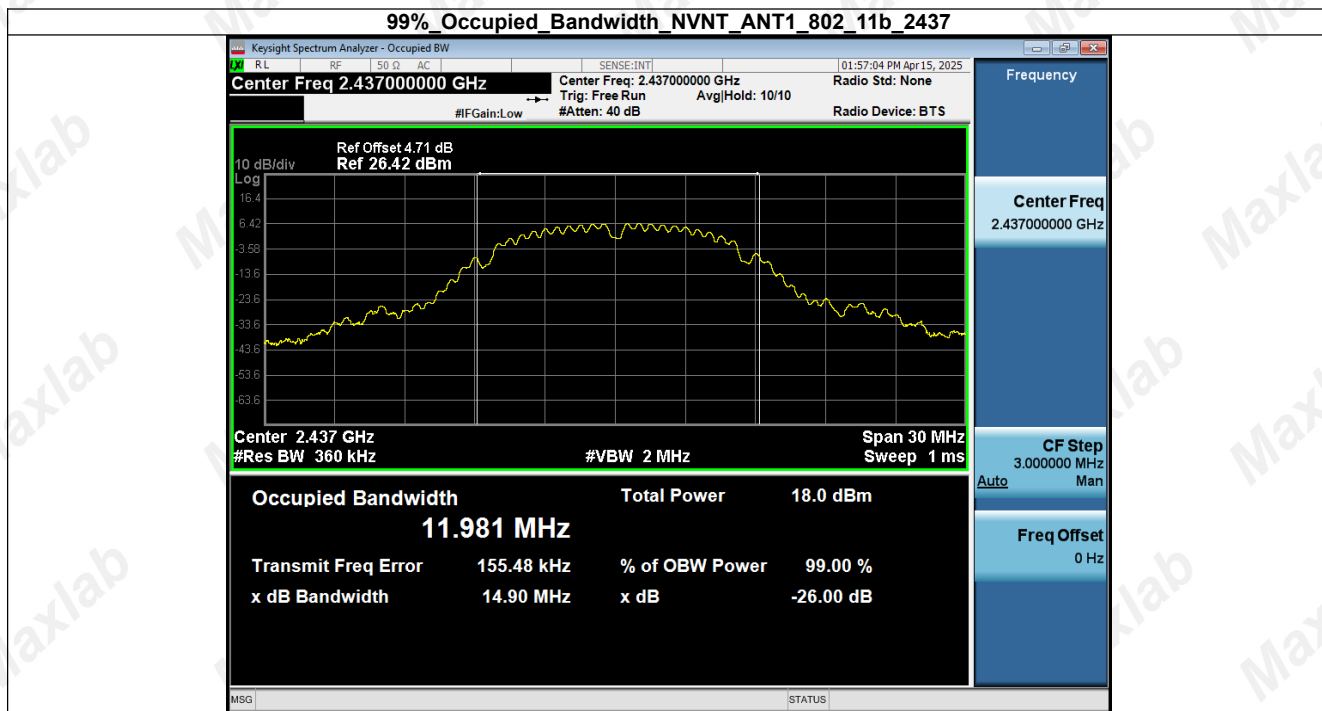


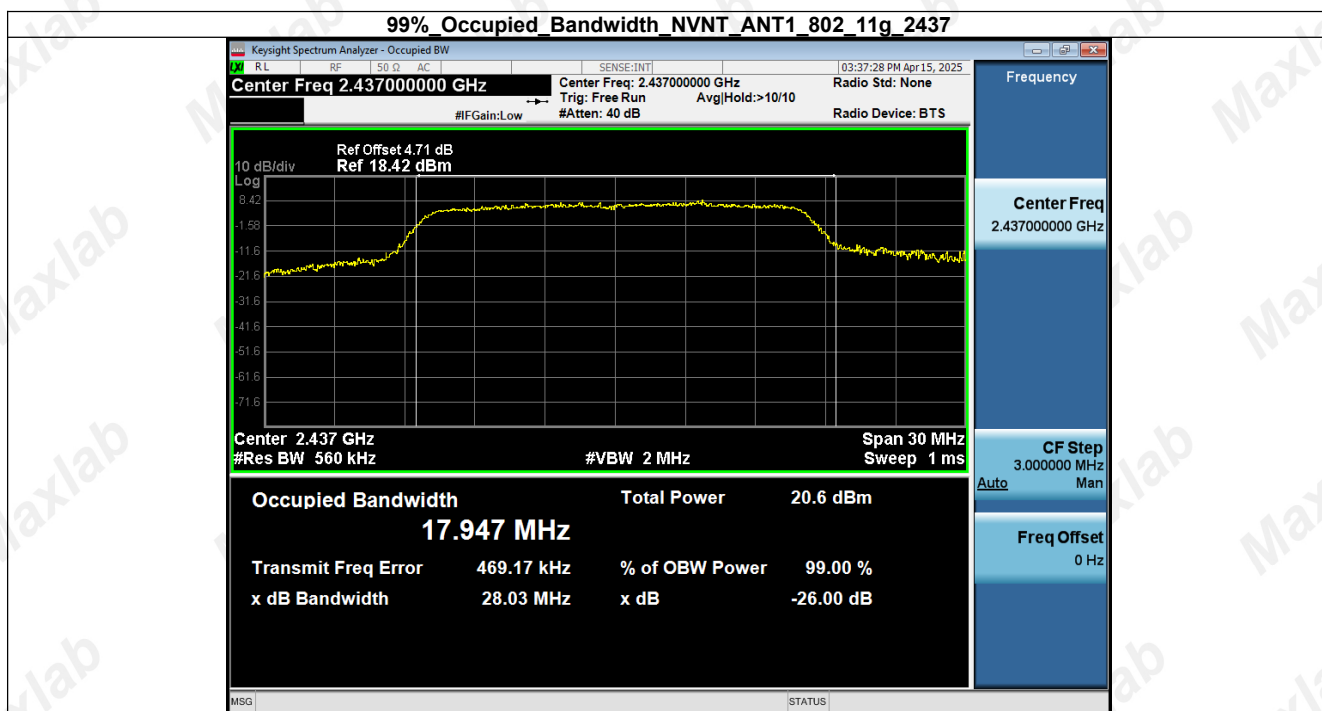
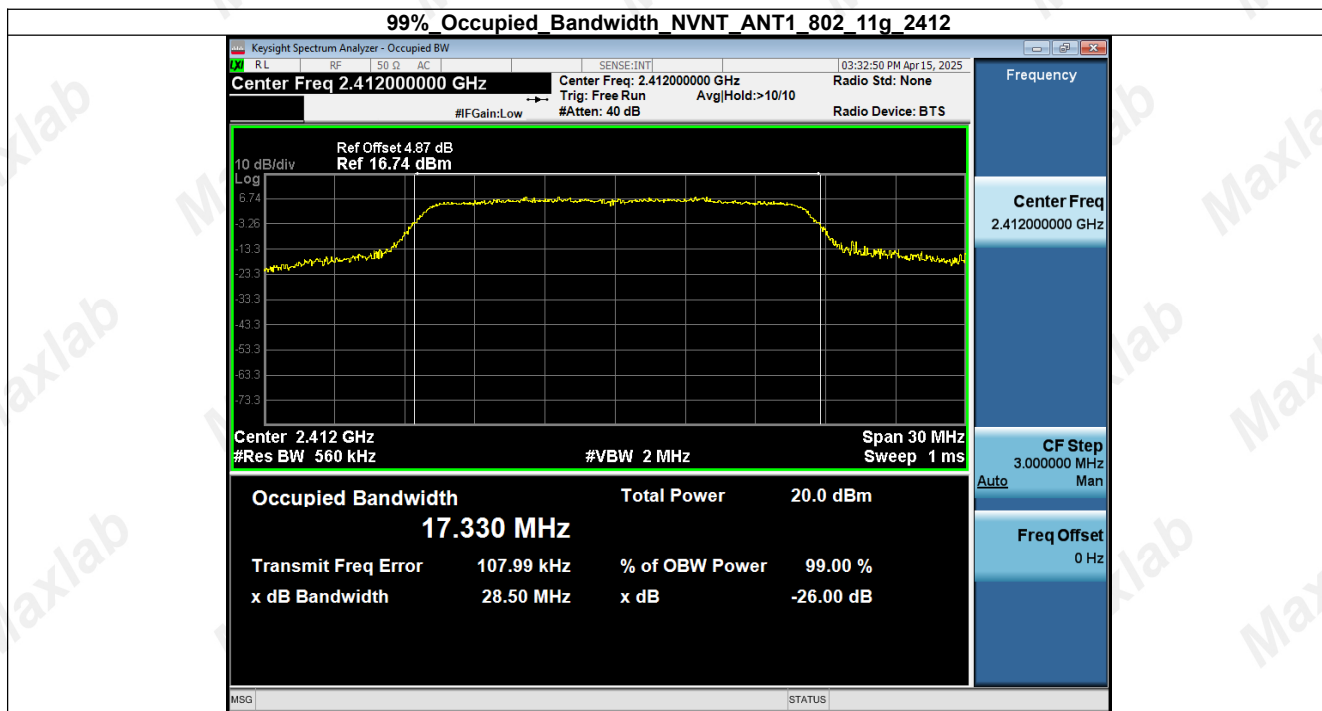


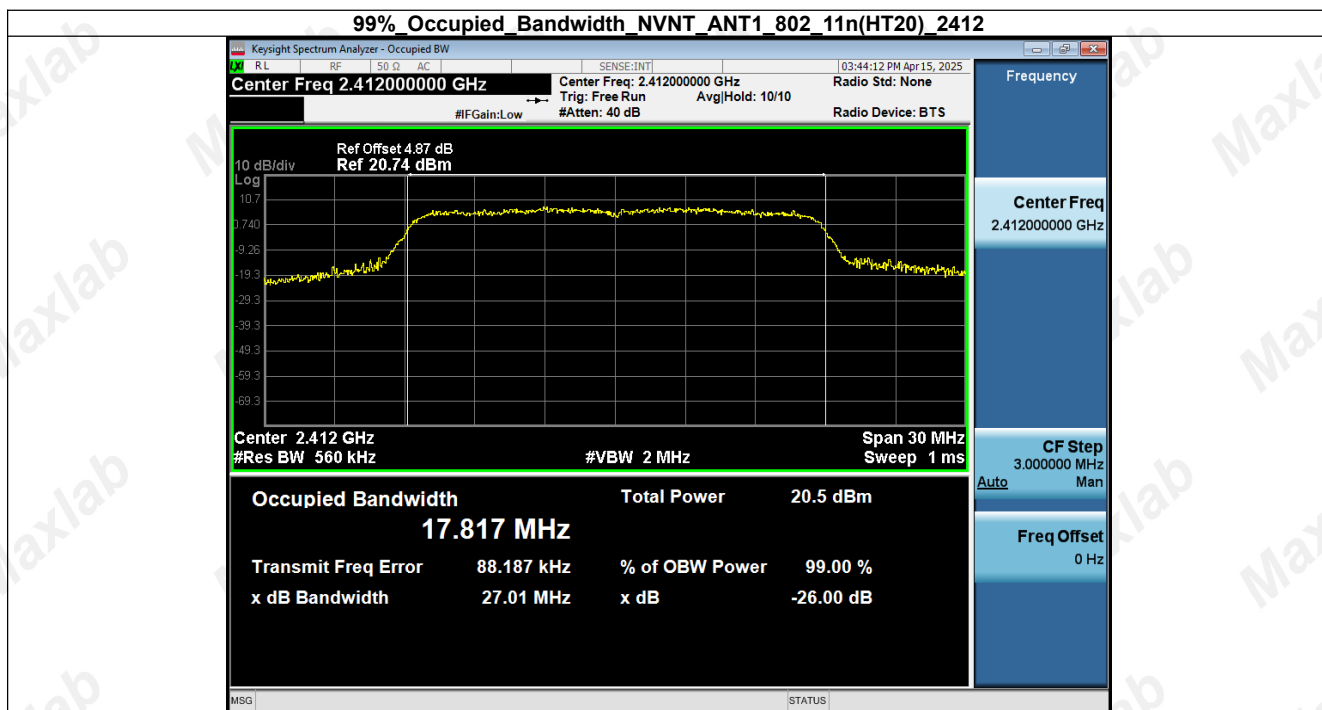
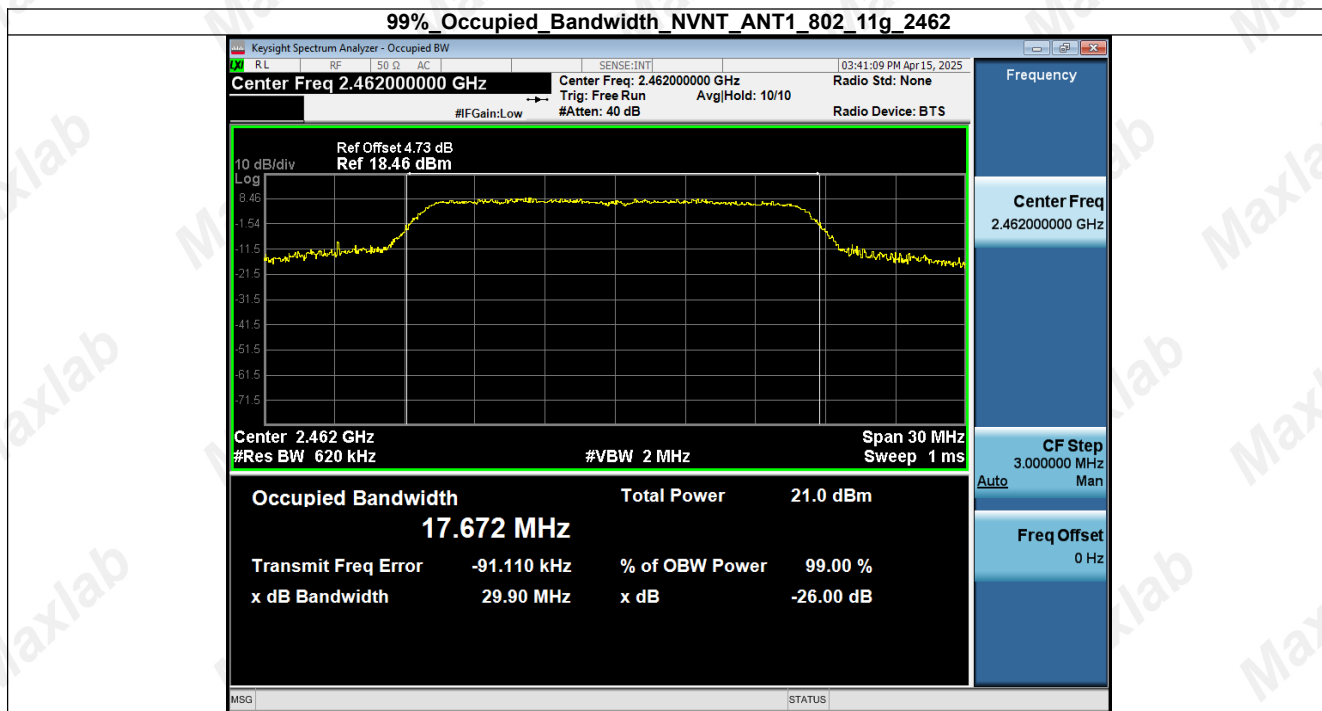
2. 99% Occupied Bandwidth

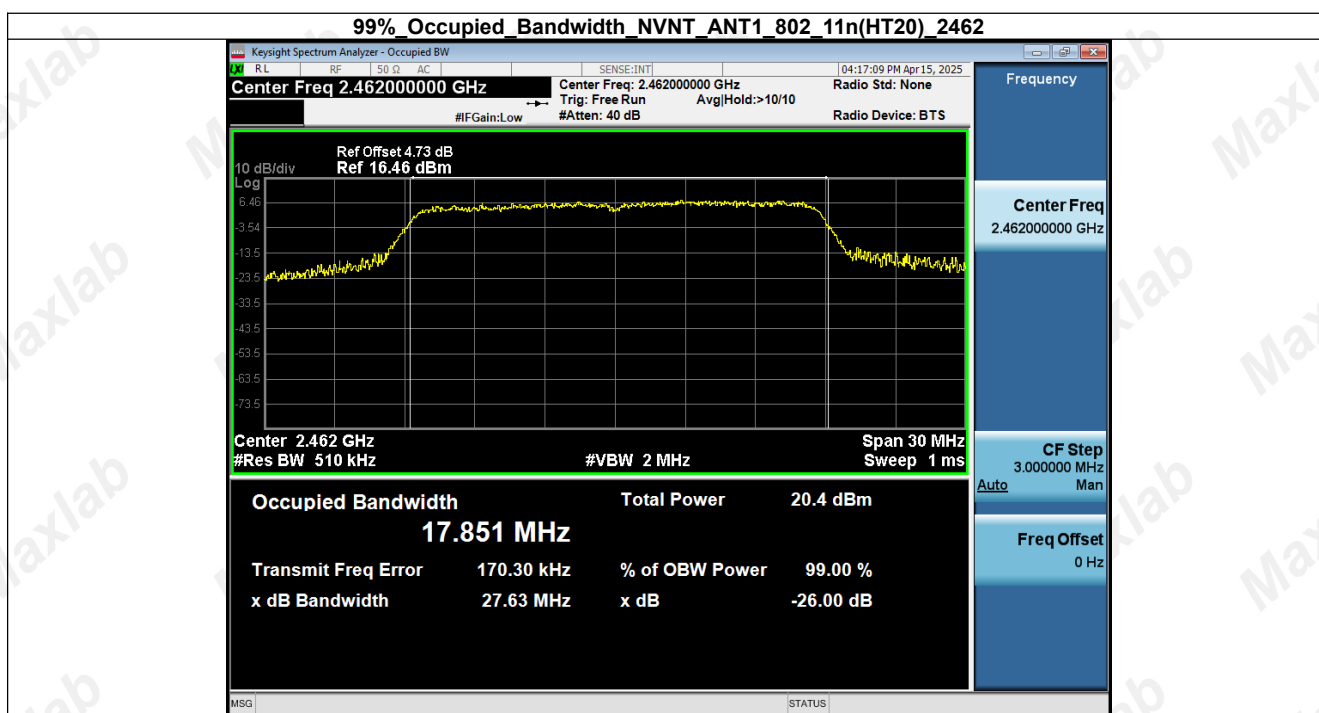
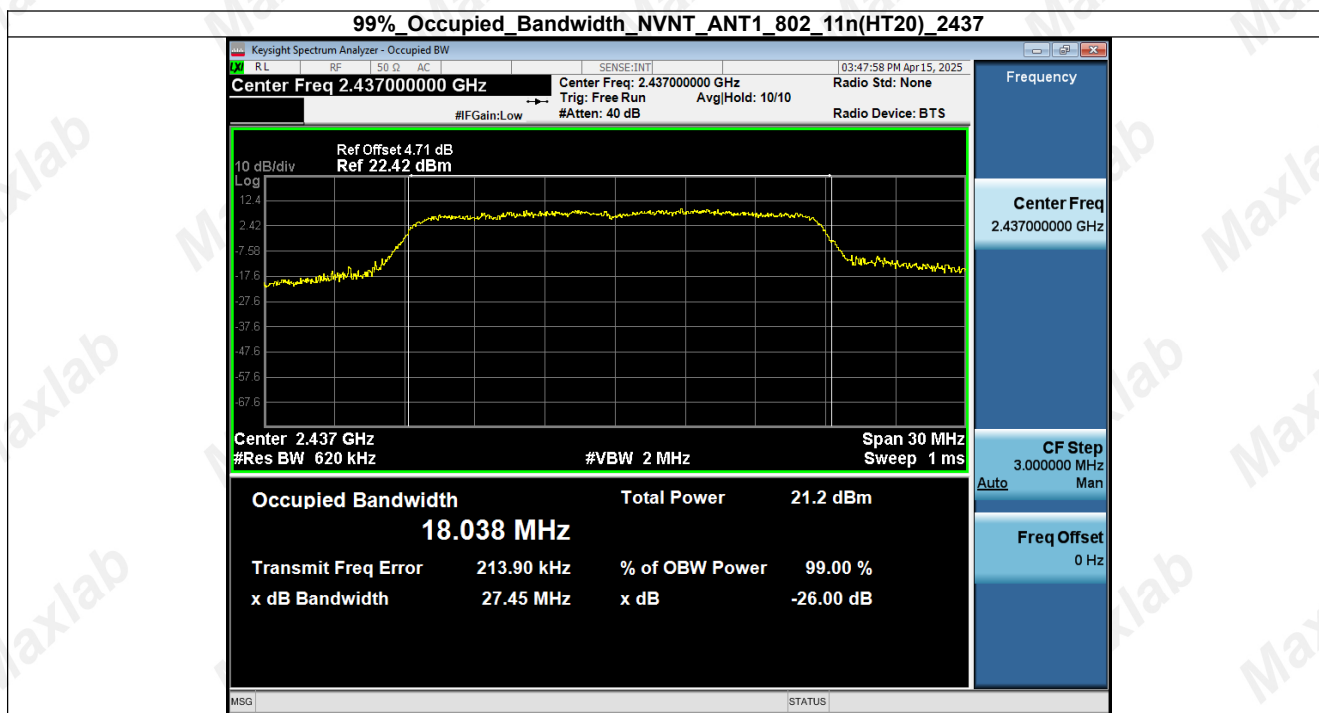
Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	802.11b	2412.00	11.967
NVNT	ANT1	802.11b	2437.00	11.981
NVNT	ANT1	802.11b	2462.00	12.045
NVNT	ANT1	802.11g	2412.00	17.330
NVNT	ANT1	802.11g	2437.00	17.947
NVNT	ANT1	802.11g	2462.00	17.672
NVNT	ANT1	802.11n(HT20)	2412.00	17.817
NVNT	ANT1	802.11n(HT20)	2437.00	18.038
NVNT	ANT1	802.11n(HT20)	2462.00	17.851
NVNT	ANT1	802.11n(HT40)	2422.00	36.543
NVNT	ANT1	802.11n(HT40)	2437.00	36.460
NVNT	ANT1	802.11n(HT40)	2452.00	36.588

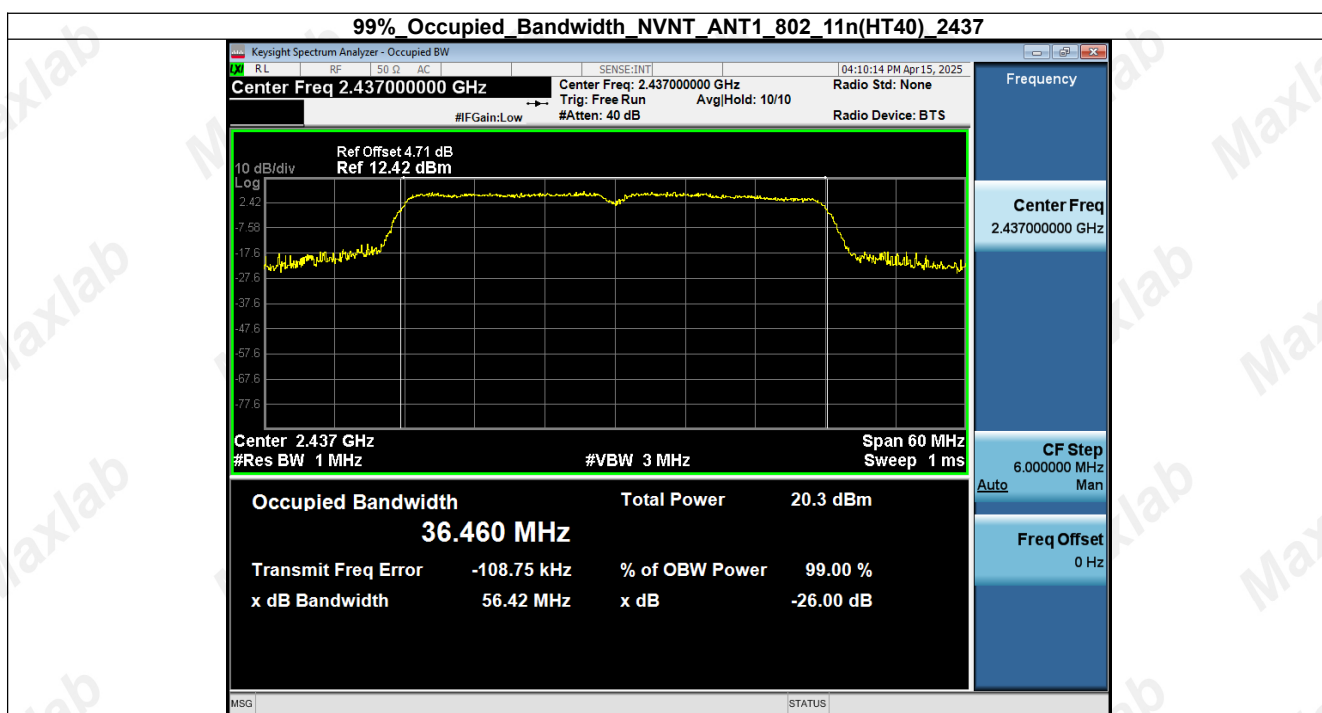
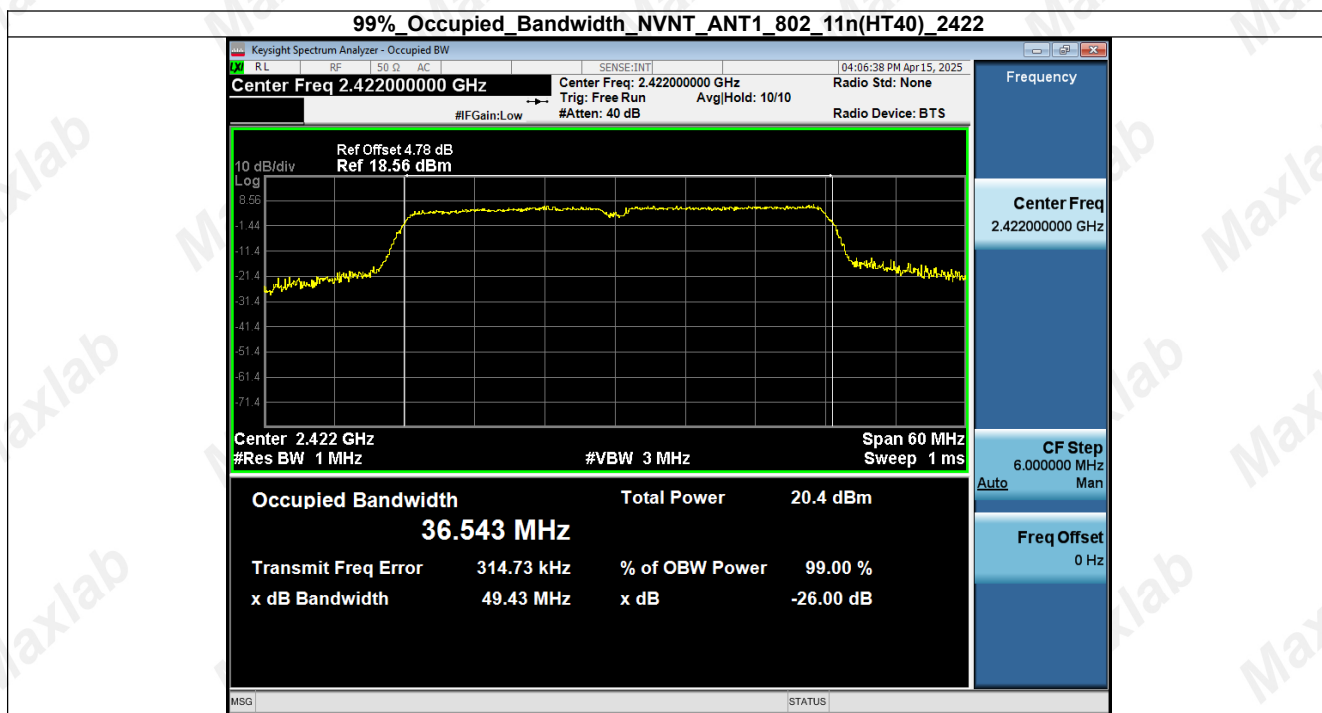


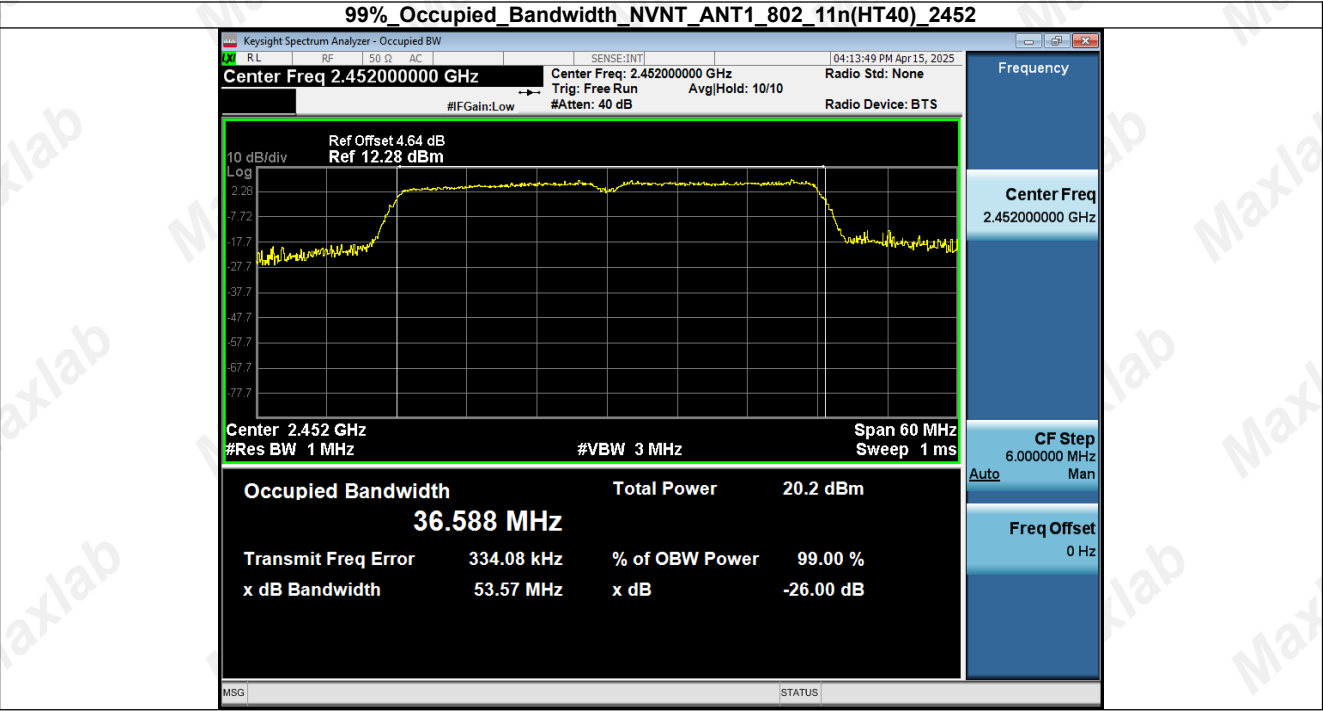






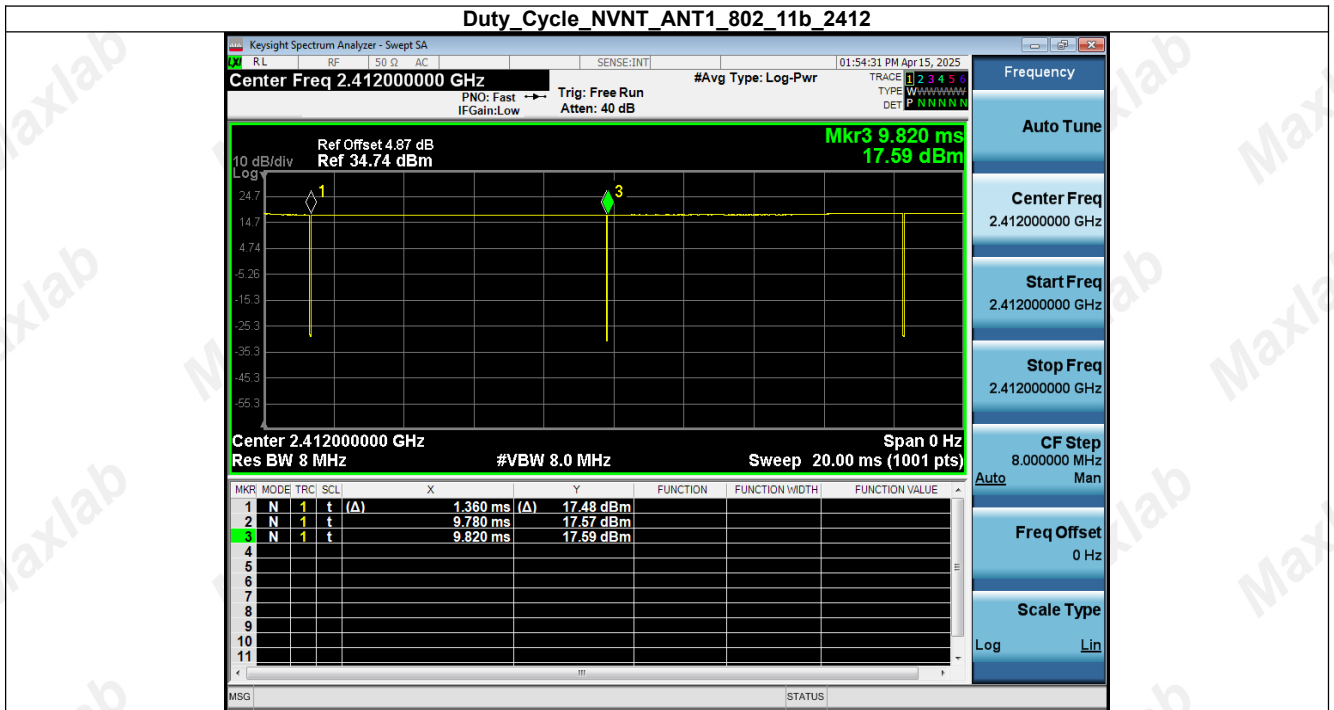




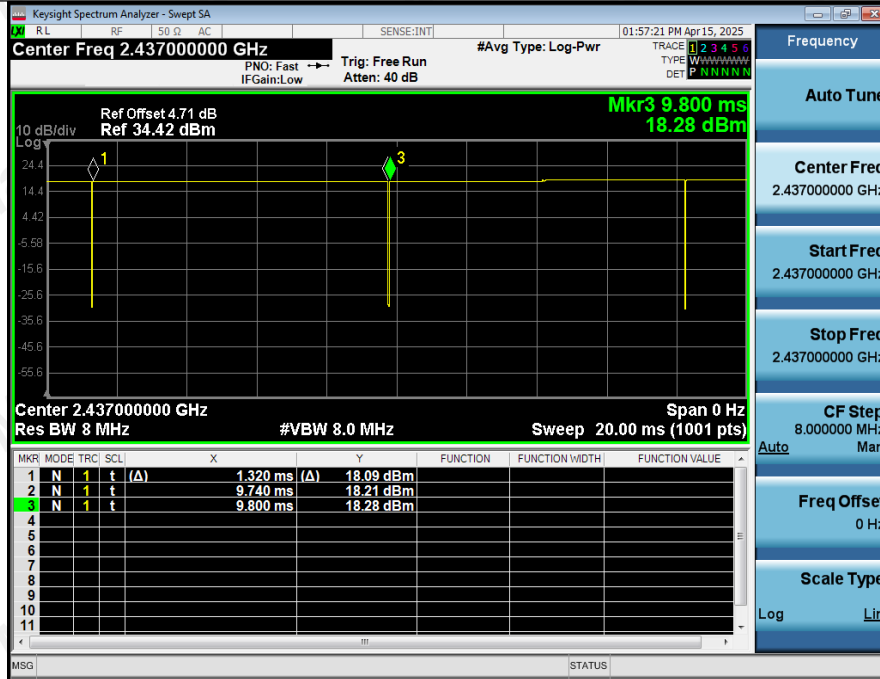


3. Duty Cycle

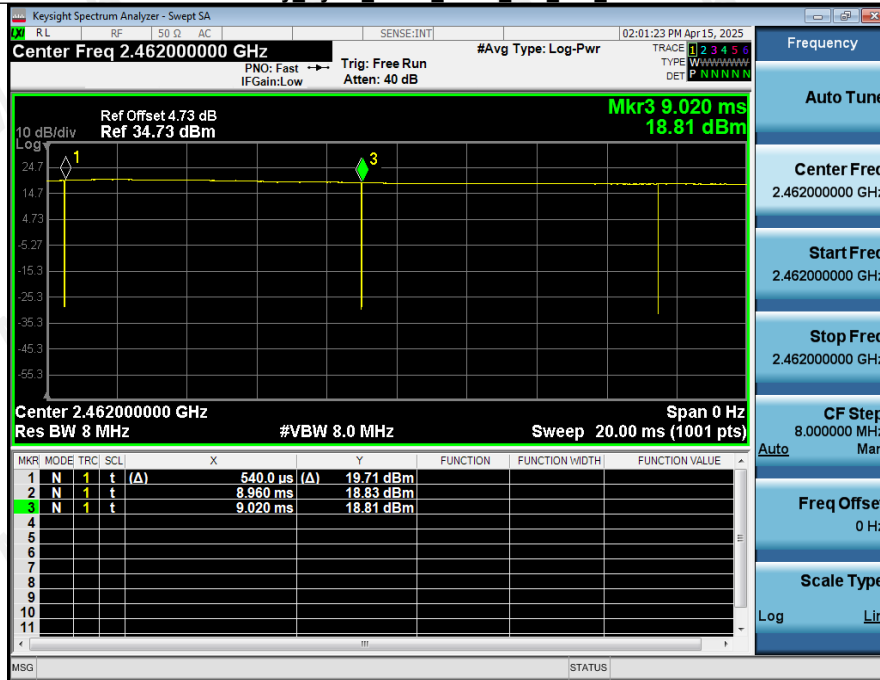
Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	99.76	0.00
NVNT	ANT1	802.11b	2437.00	99.53	0.00
NVNT	ANT1	802.11b	2462.00	99.53	0.00
NVNT	ANT1	802.11g	2412.00	97.22	0.12
NVNT	ANT1	802.11g	2437.00	97.22	0.12
NVNT	ANT1	802.11g	2462.00	95.89	0.18
NVNT	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	98.39	0.00
NVNT	ANT1	802.11n(HT40)	2422.00	93.75	0.28
NVNT	ANT1	802.11n(HT40)	2437.00	96.87	0.14
NVNT	ANT1	802.11n(HT40)	2452.00	93.75	0.28



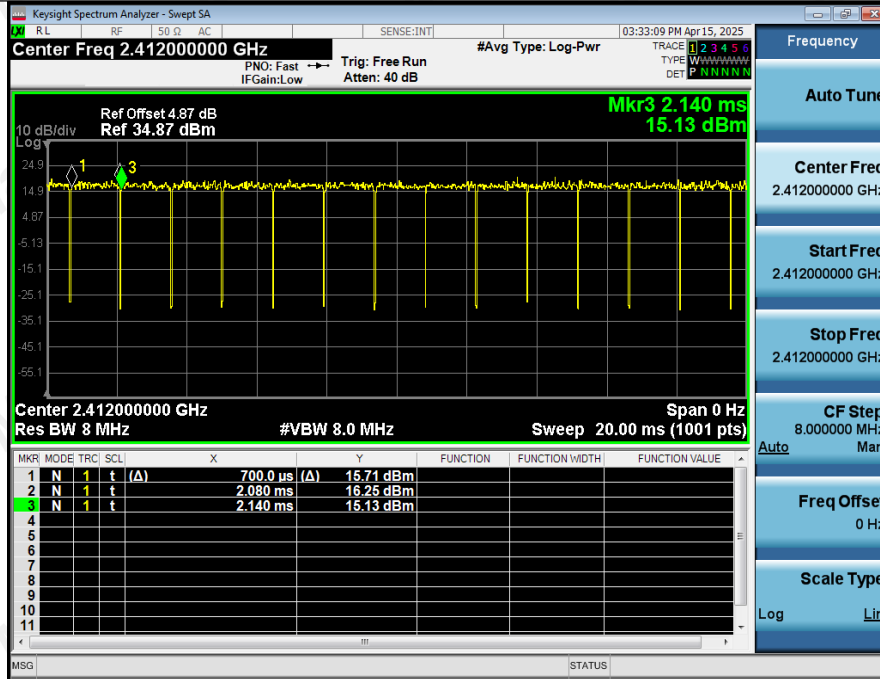
Duty Cycle NVNT_ANT1_802_11b_2437



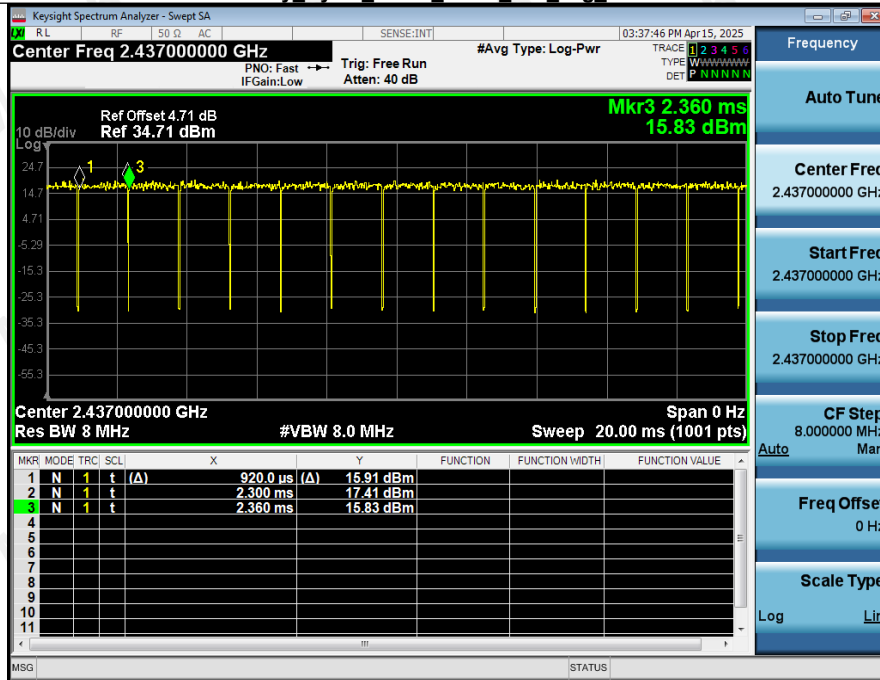
Duty Cycle NVNT_ANT1_802_11b_2462



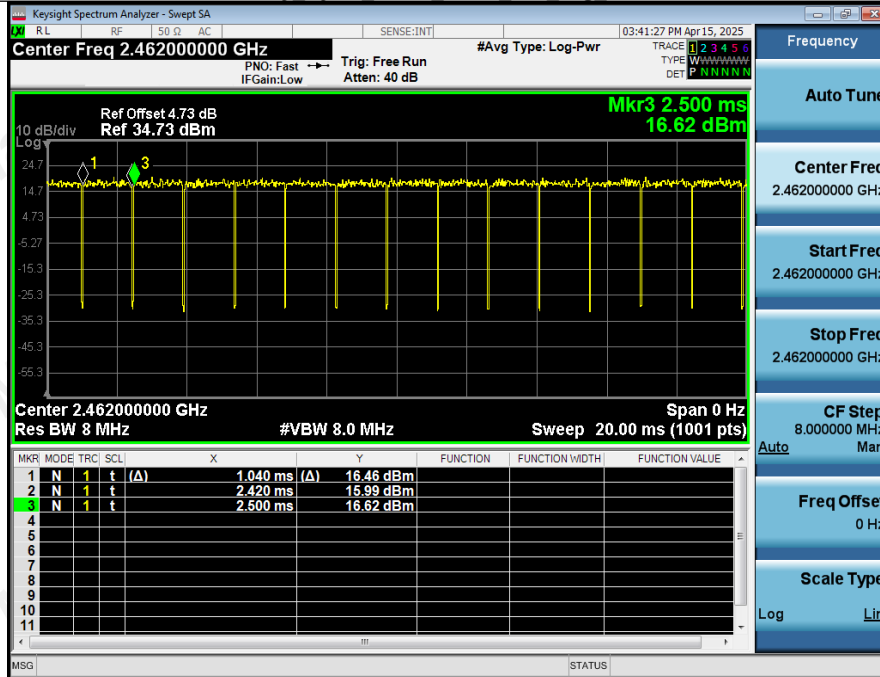
Duty Cycle NVNT_ANT1_802_11g_2412



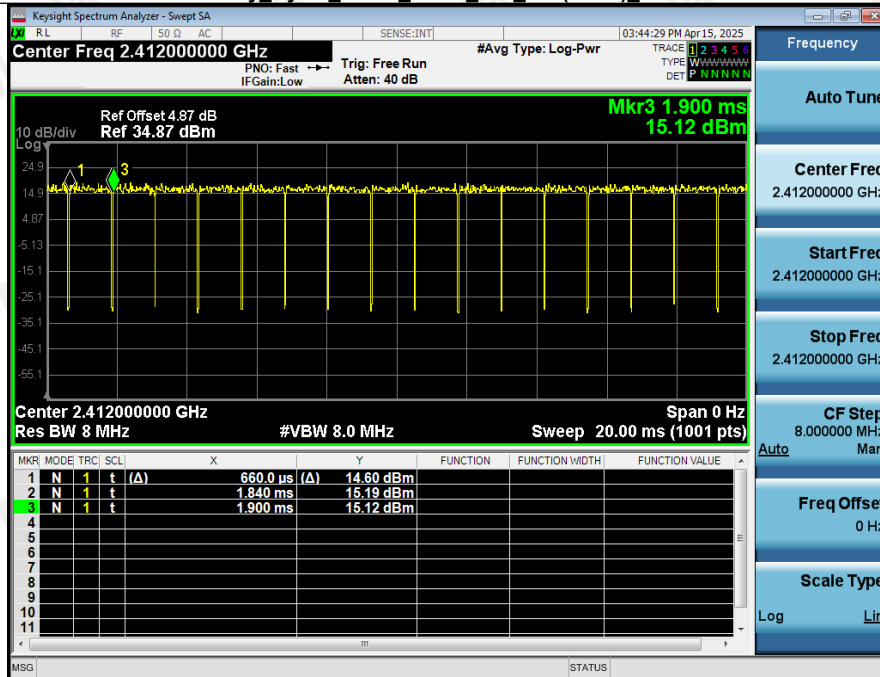
Duty Cycle NVNT_ANT1_802_11g_2437



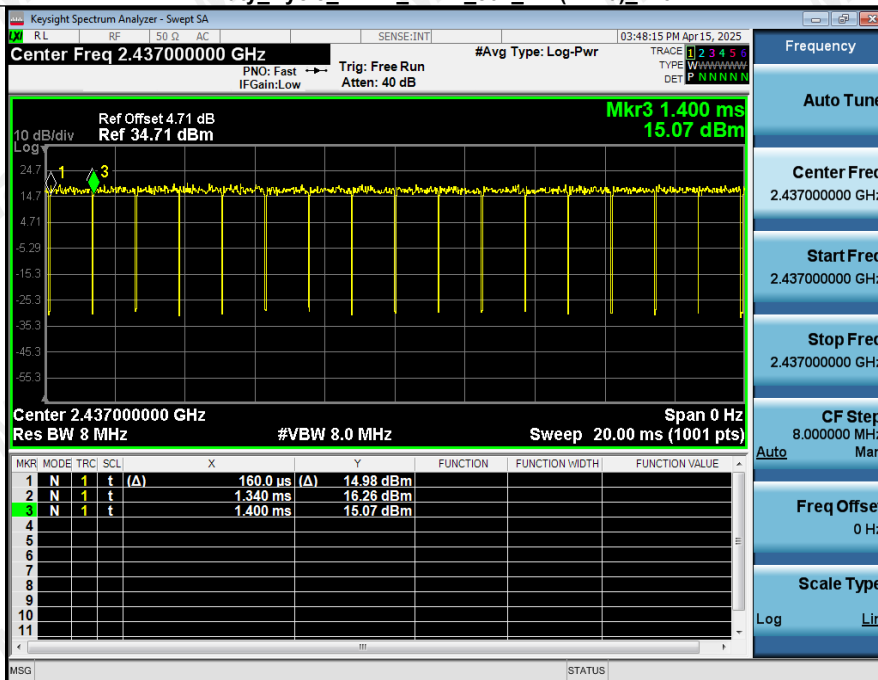
Duty Cycle NVNT_ANT1_802_11g_2462



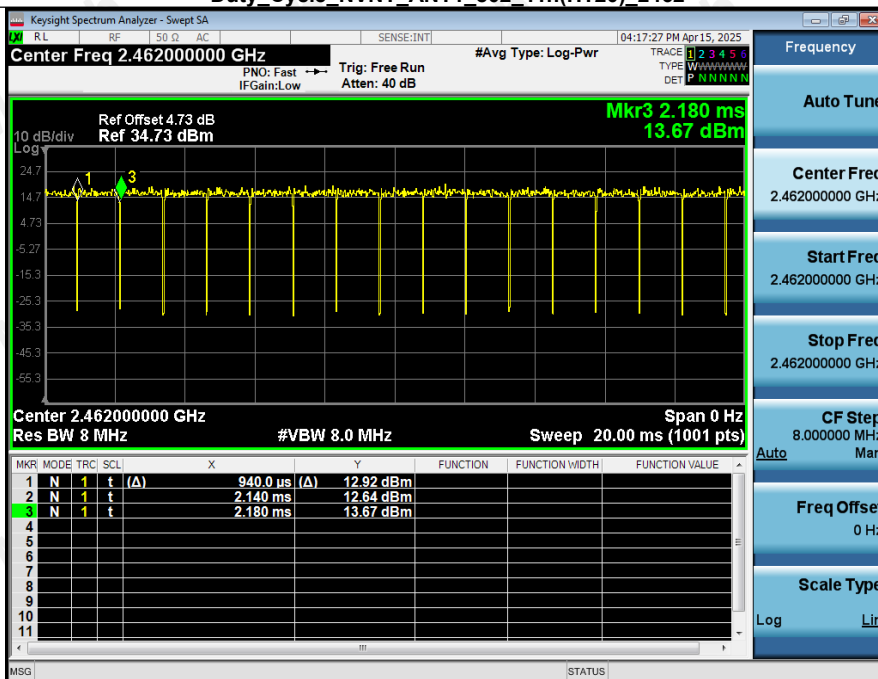
Duty Cycle NVNT_ANT1_802_11n(HT20)_2412



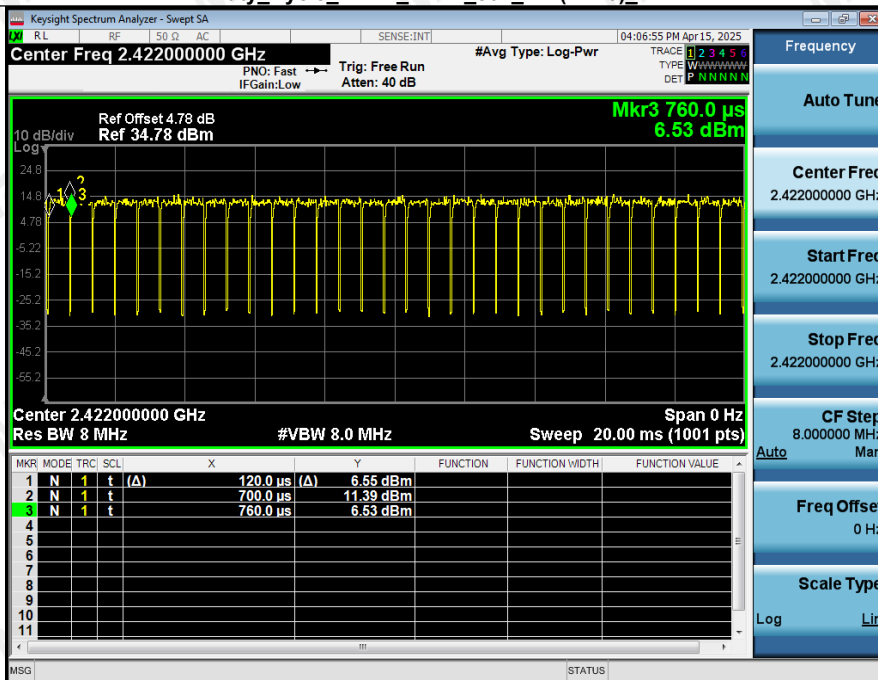
Duty Cycle NVNT_ANT1_802_11n(HT20)_2437



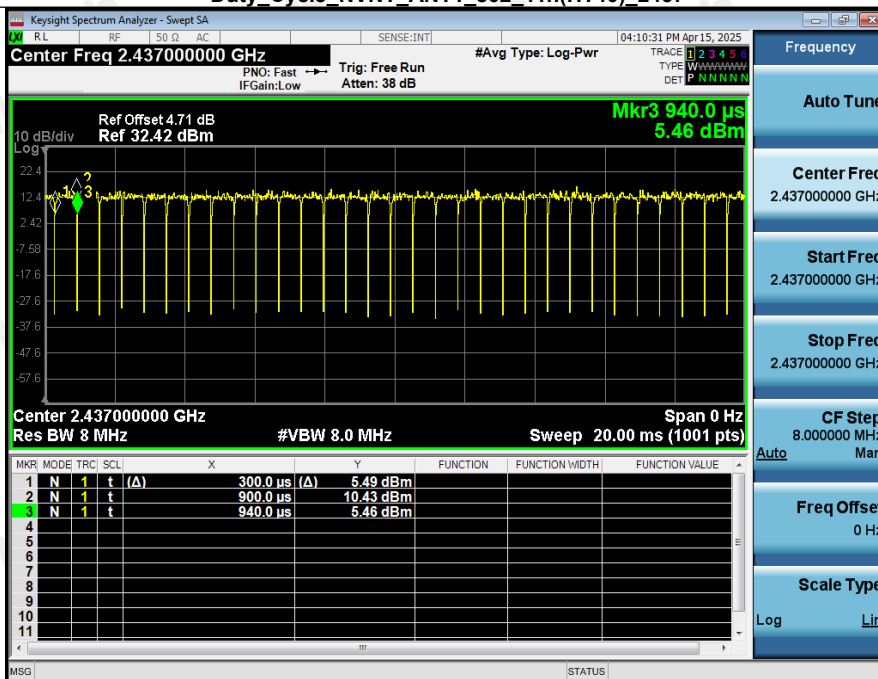
Duty Cycle NVNT_ANT1_802_11n(HT20)_2462



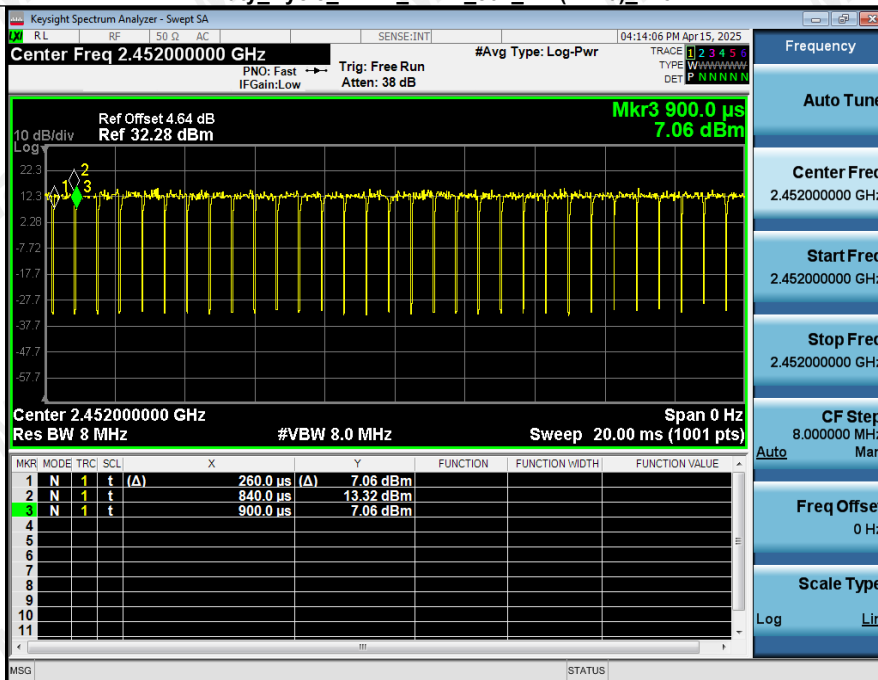
Duty Cycle NVNT_ANT1_802_11n(HT40)_2422



Duty Cycle NVNT_ANT1_802_11n(HT40)_2437



Duty Cycle NVNT_ANT1_802_11n(HT40)_2452

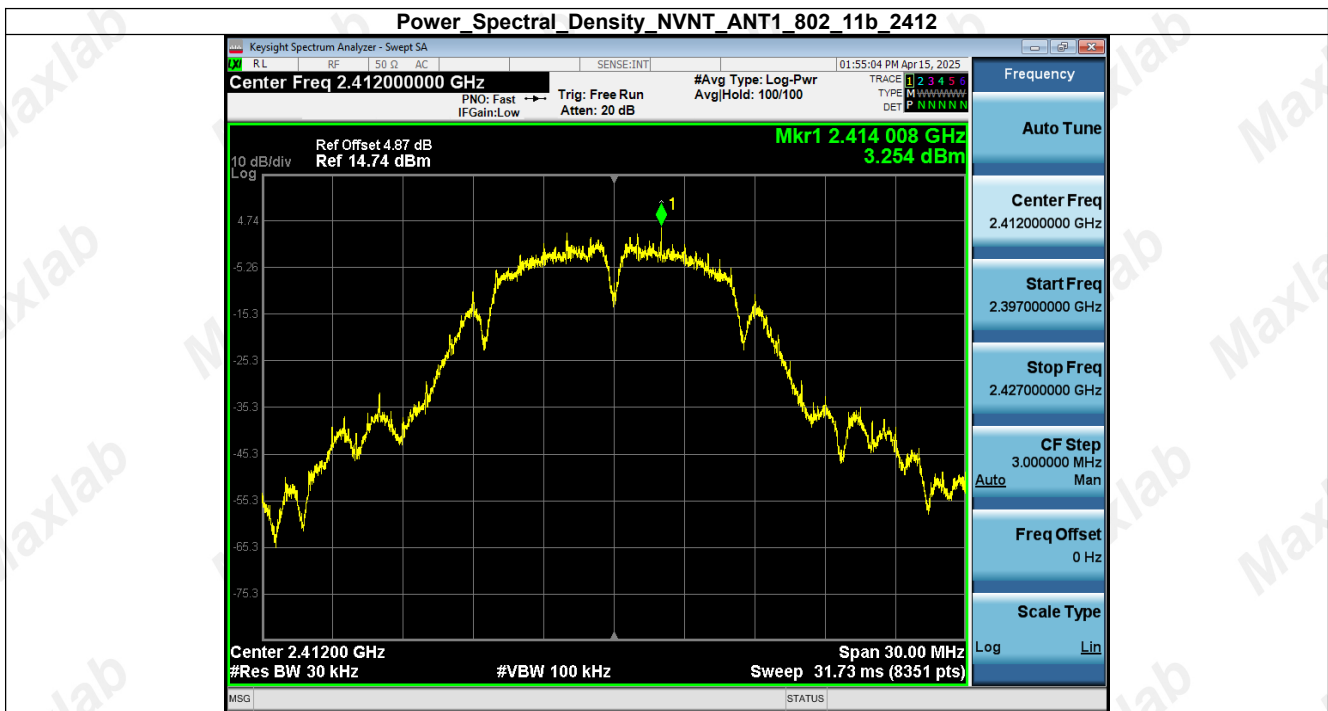


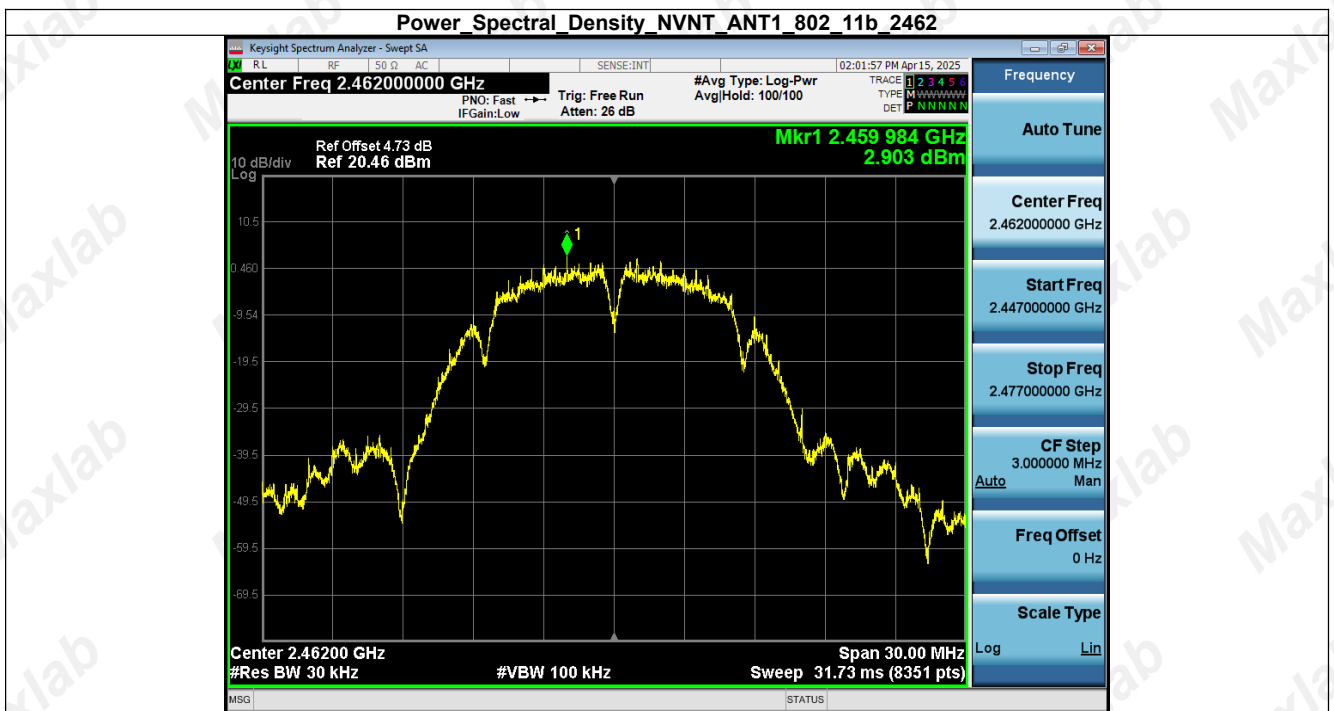
4. MAX. Output Power

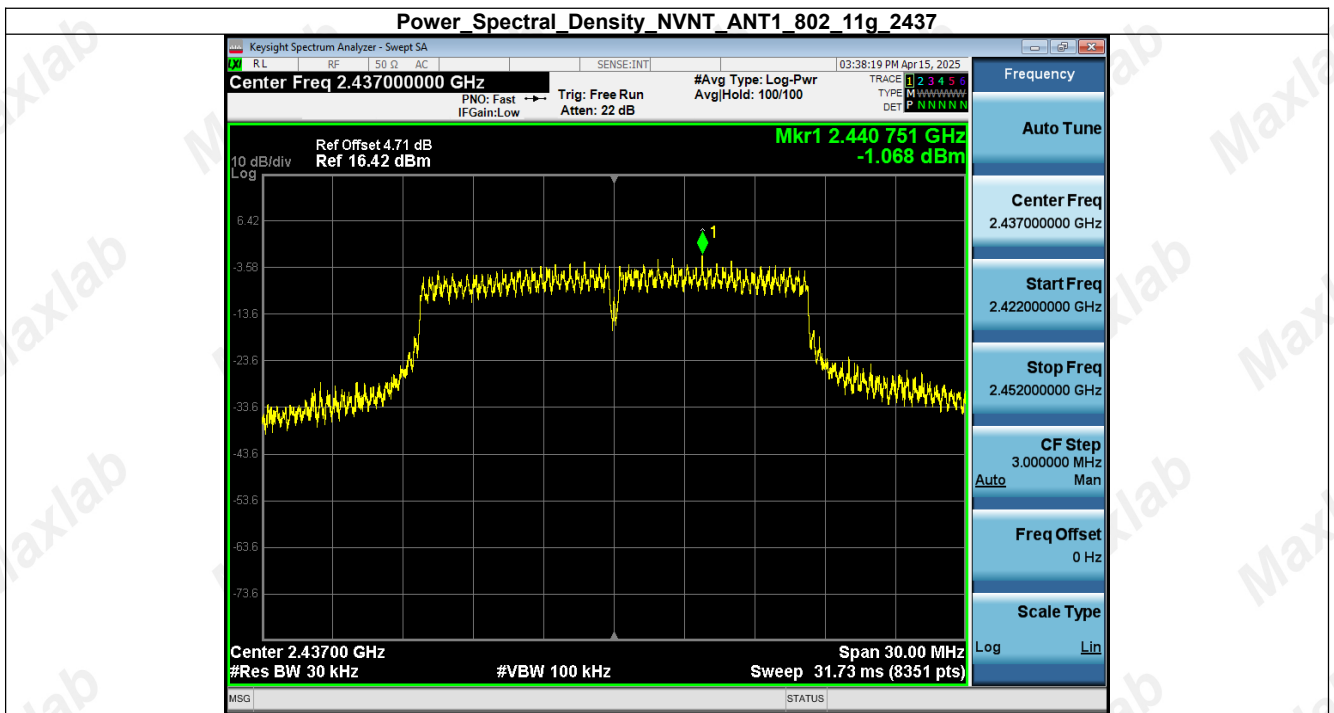
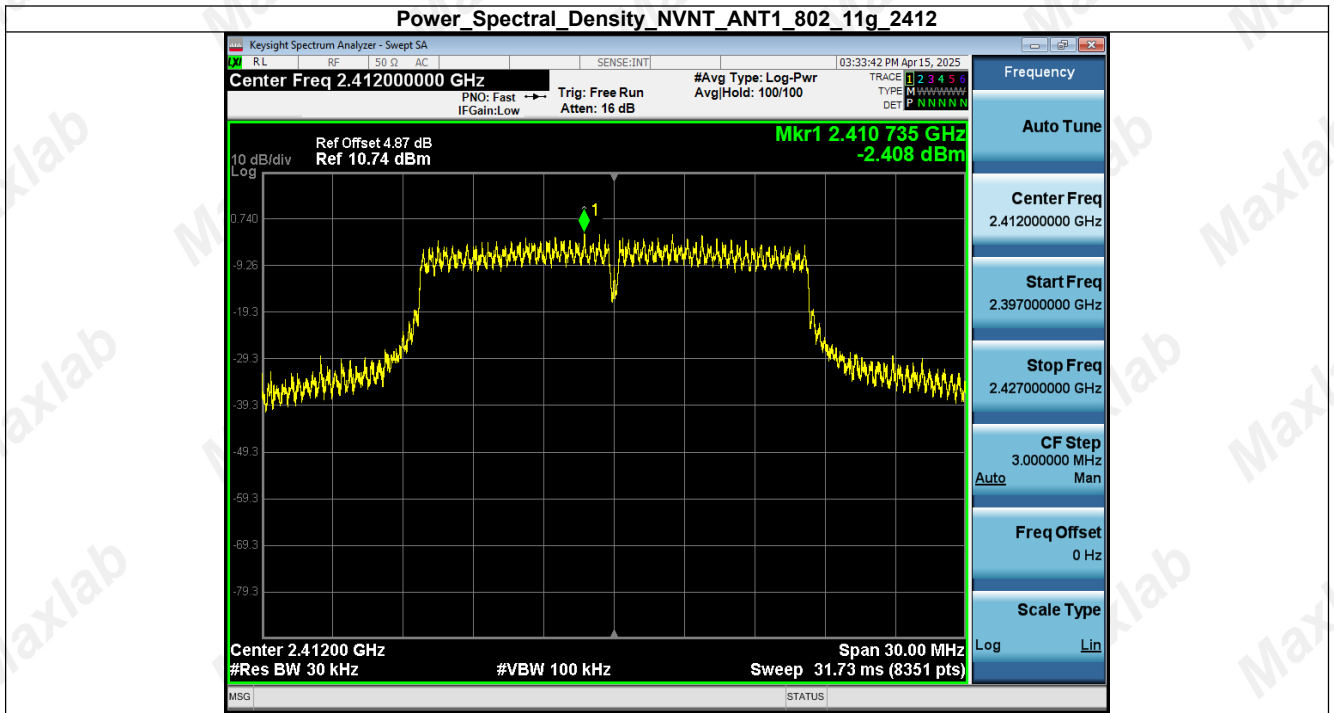
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	8.56	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	8.52	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	8.58	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	8.79	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	8.61	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	8.37	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	7.95	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	7.86	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	7.82	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	7.56	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	7.58	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	7.51	30	Pass

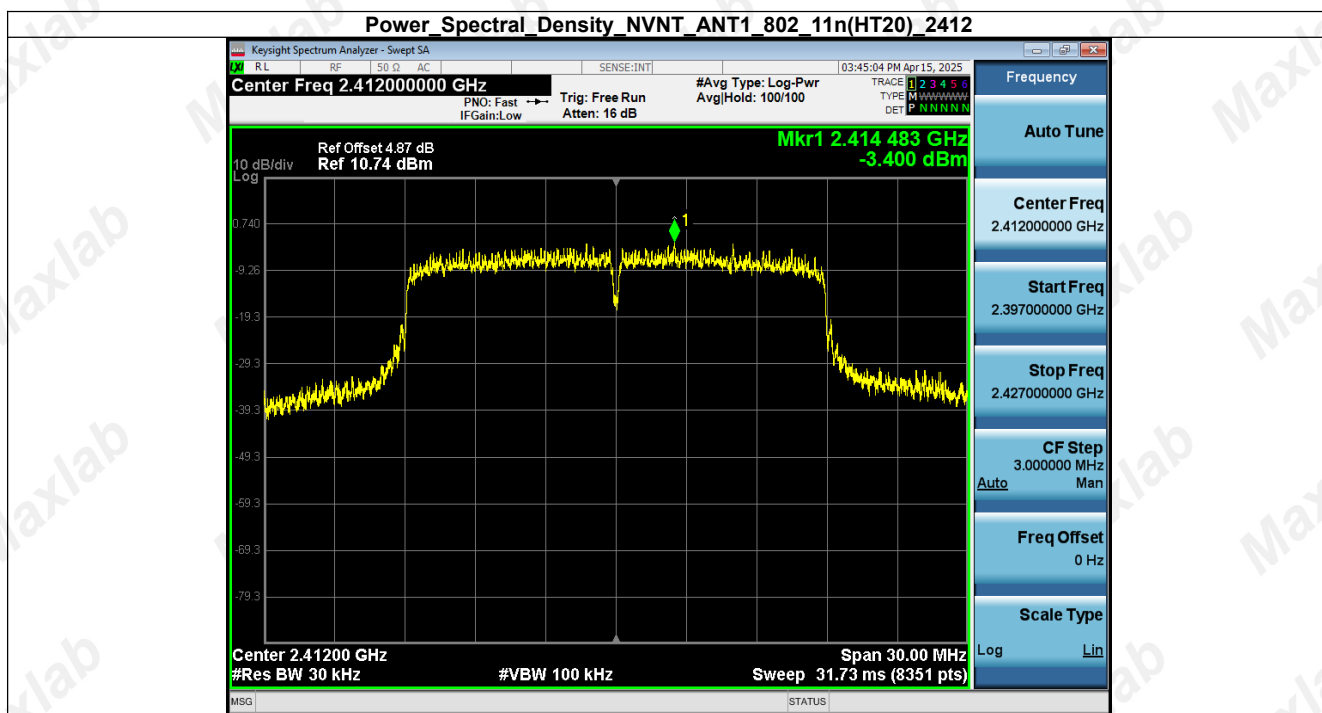
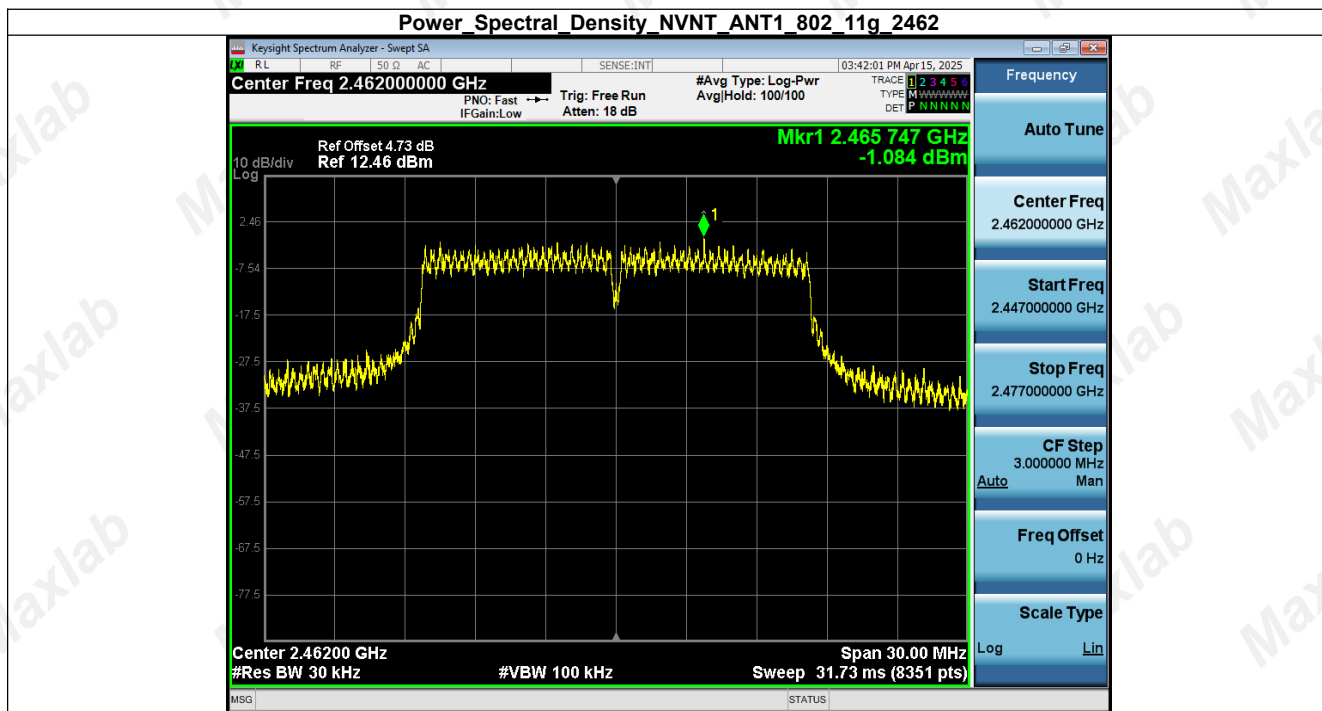
5. Power Spectral Density

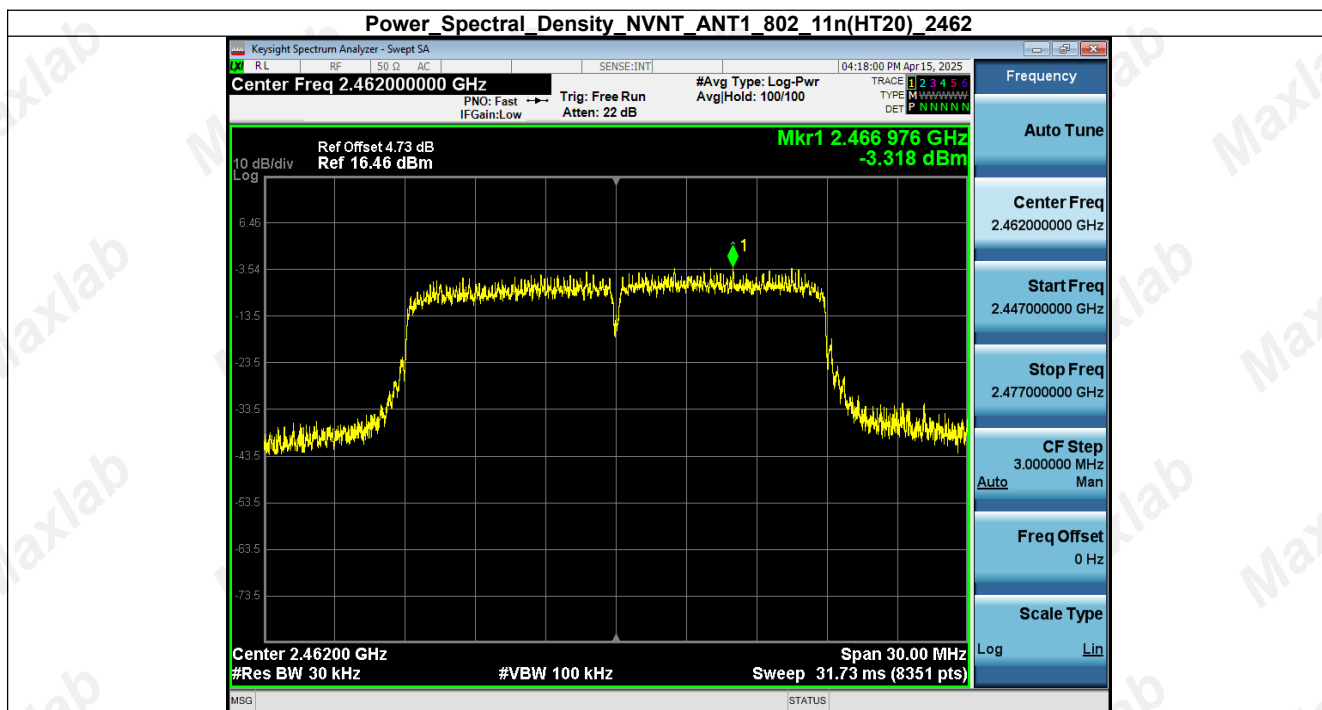
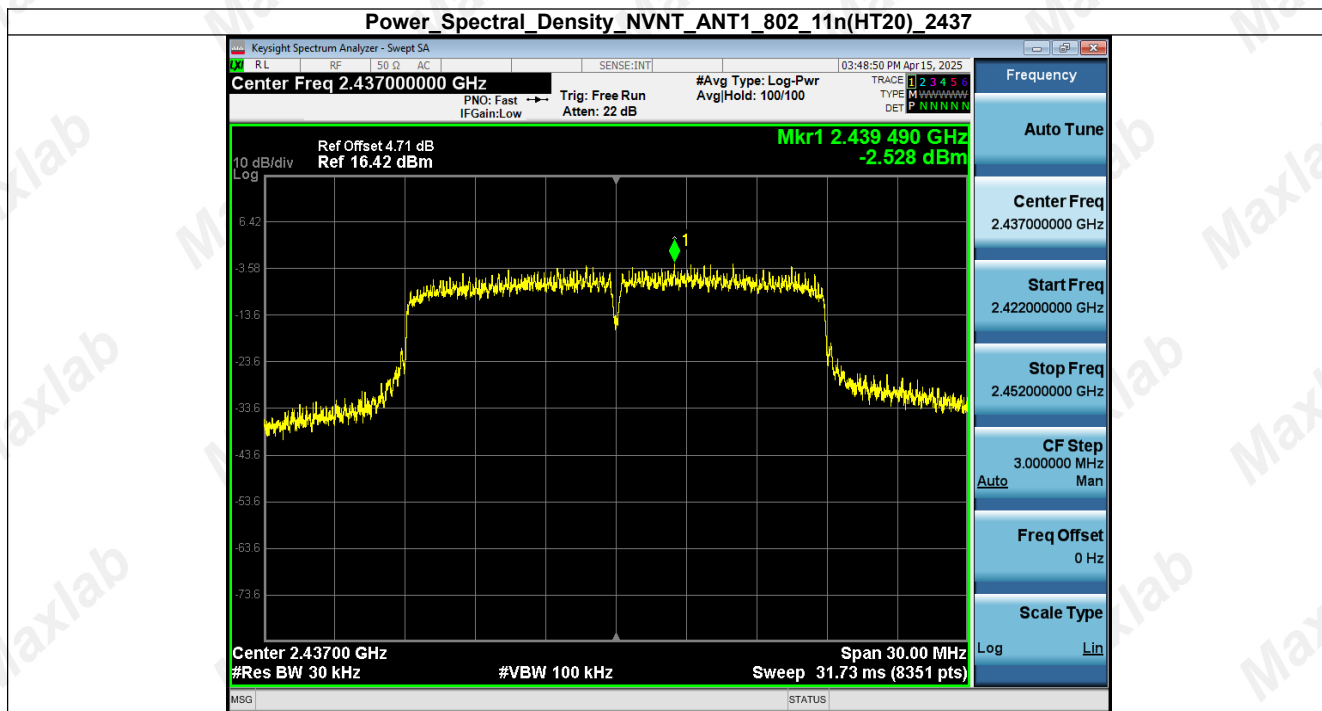
Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD(dBm/30kHz)	RB factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	3.25	-10.00	-6.75	8	Pass
NVNT	ANT1	802.11b	2437.00	4.36	-10.00	-5.64	8	Pass
NVNT	ANT1	802.11b	2462.00	2.90	-10.00	-7.10	8	Pass
NVNT	ANT1	802.11g	2412.00	-2.41	-10.00	-12.41	8	Pass
NVNT	ANT1	802.11g	2437.00	-1.07	-10.00	-11.07	8	Pass
NVNT	ANT1	802.11g	2462.00	-1.08	-10.00	-11.08	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-3.40	-10.00	-13.40	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-2.53	-10.00	-12.53	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-3.32	-10.00	-13.32	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-6.78	-10.00	-16.78	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-7.00	-10.00	-17.00	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-7.42	-10.00	-17.42	8	Pass

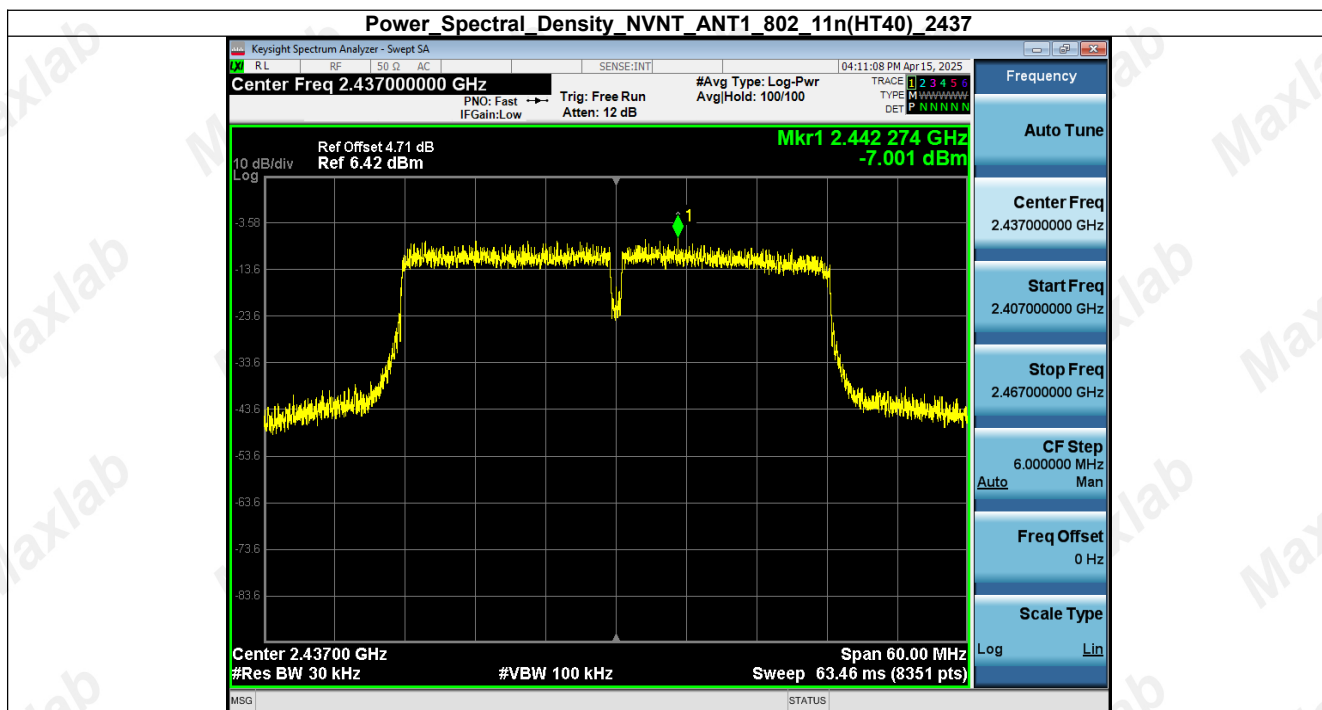
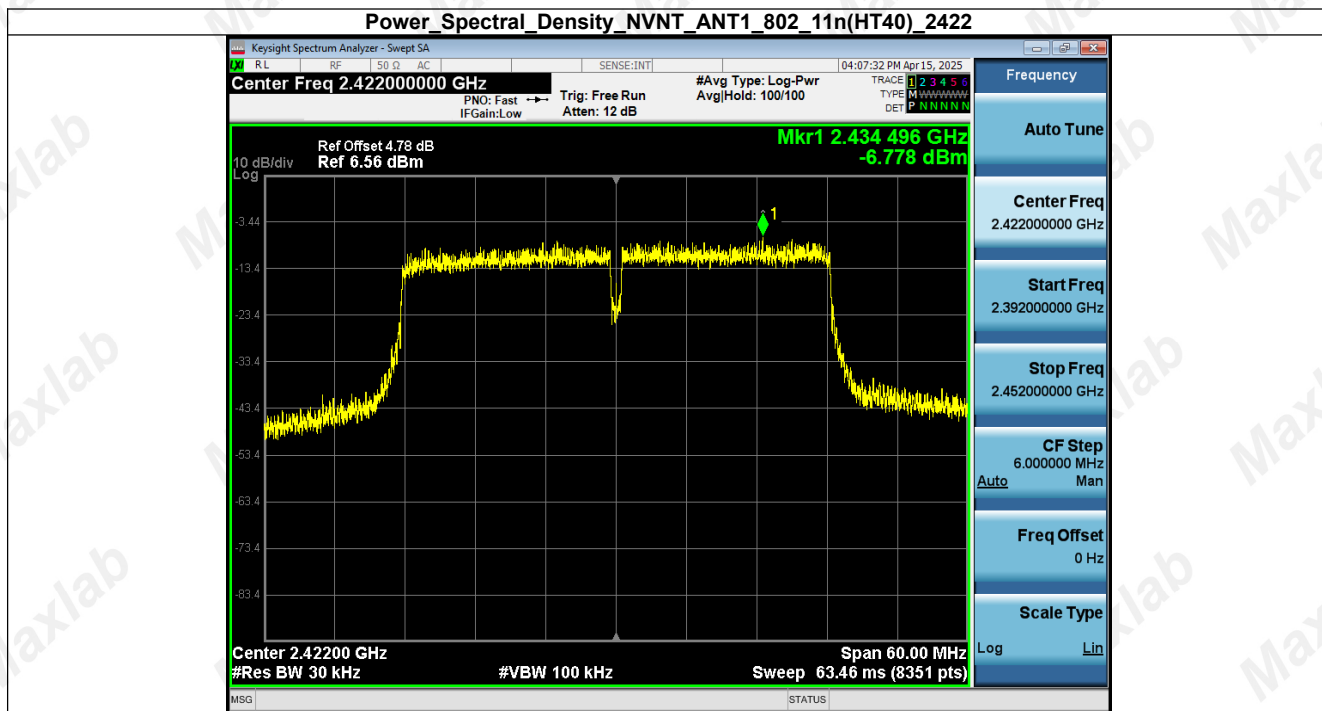


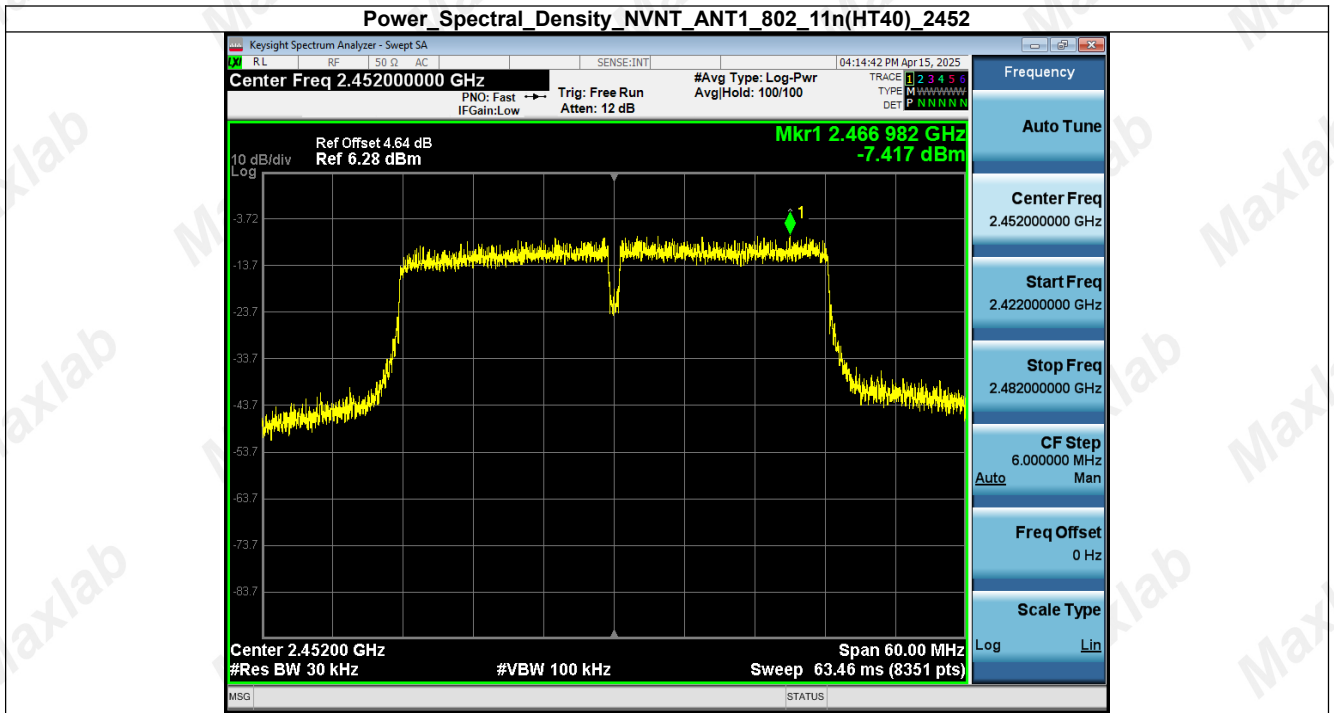








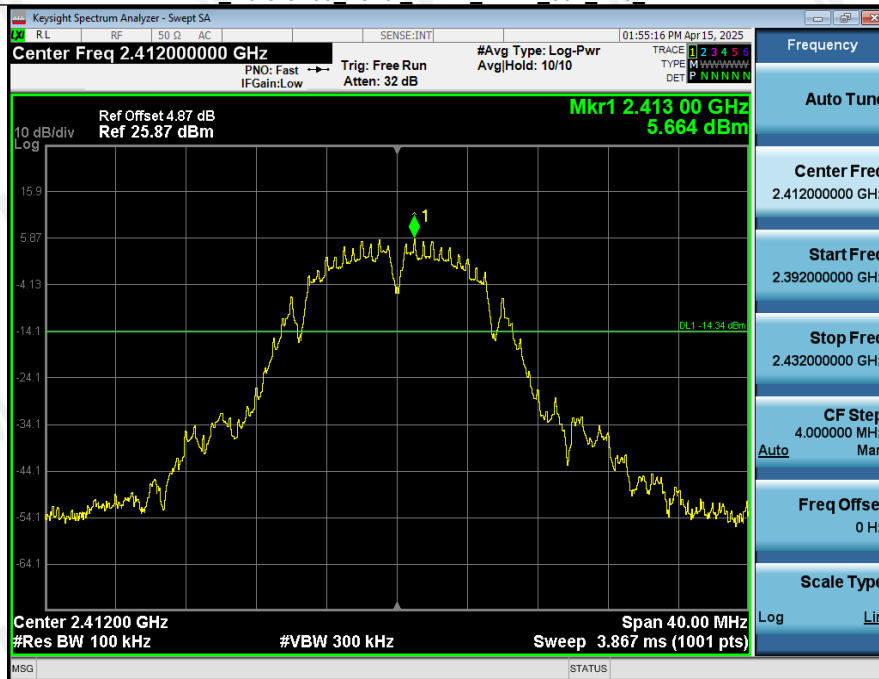




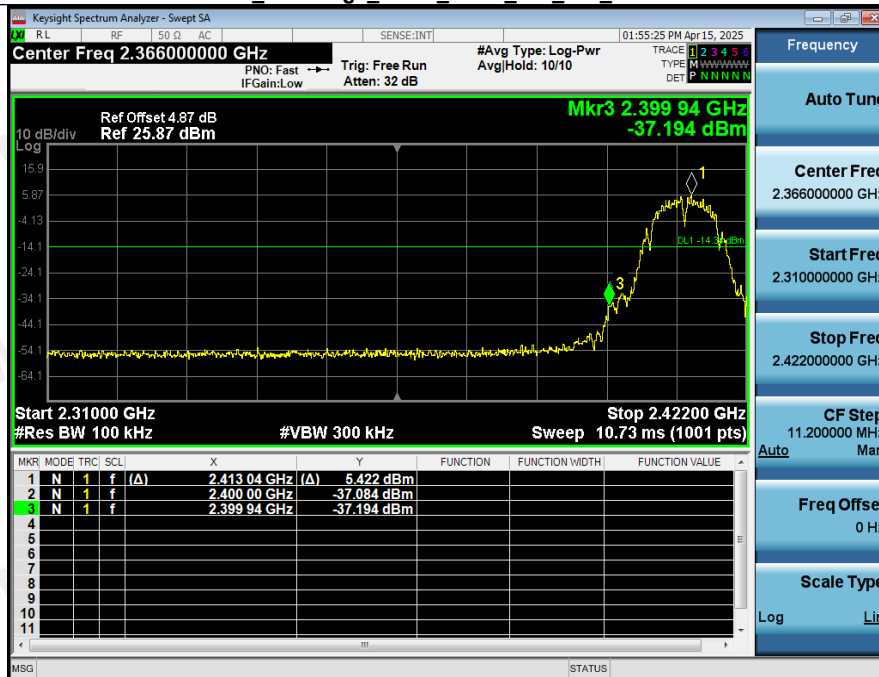
6. Bandedge

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	2399.936	5.664	-37.194	-14.336	Pass
NVNT	ANT1	802.11b	2462.00	2484.064	6.370	-54.785	-13.630	Pass
NVNT	ANT1	802.11g	2412.00	2399.824	1.428	-25.085	-18.572	Pass
NVNT	ANT1	802.11g	2462.00	2484.256	2.768	-35.862	-17.232	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.376	1.370	-28.544	-18.630	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2483.680	1.387	-37.754	-18.613	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.760	-2.180	-33.899	-22.180	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2484.496	-2.400	-36.484	-22.400	Pass

1 Reference Level NVNT_ANT1_802_11b_2412



2 Bandedge_NVNT_ANT1_802_11b_2412



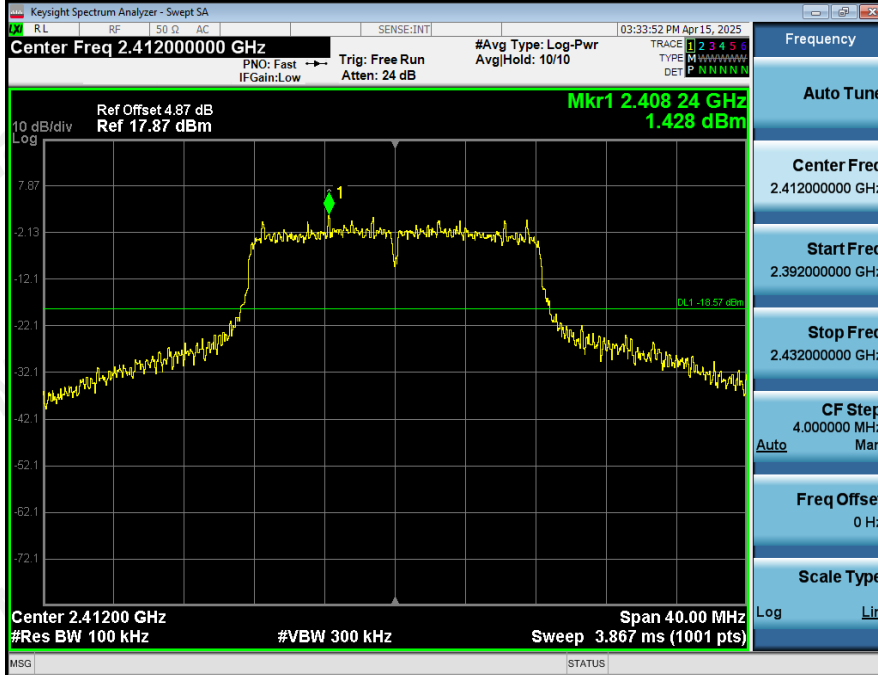
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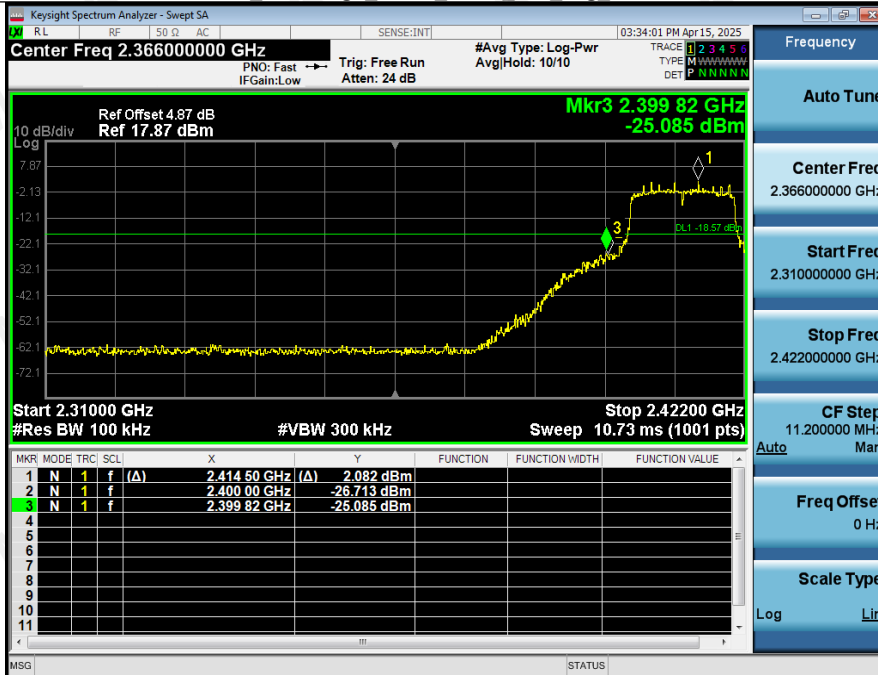
2 Bandedge_NVNT_ANT1_802_11b_2462



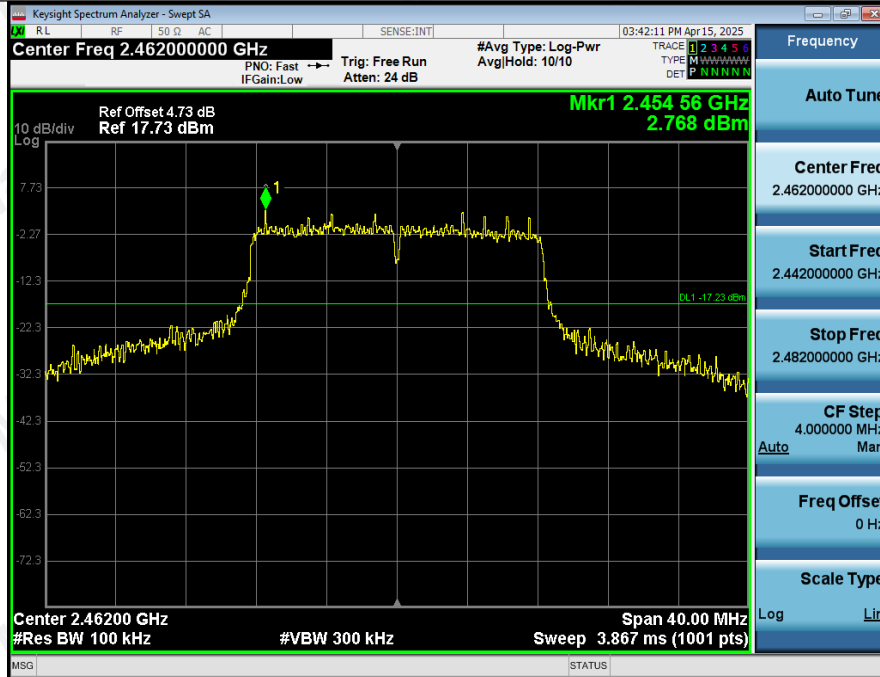
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2 Bandedge_NVNT_ANT1_802_11g_2412



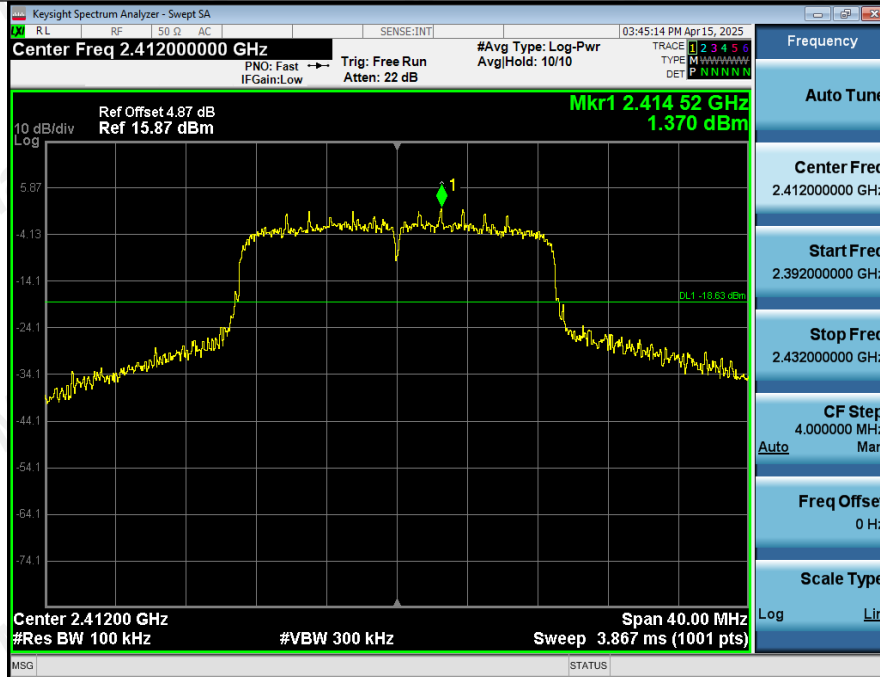
1 Reference_Level_NVNT_ANT1_802_11g_2462



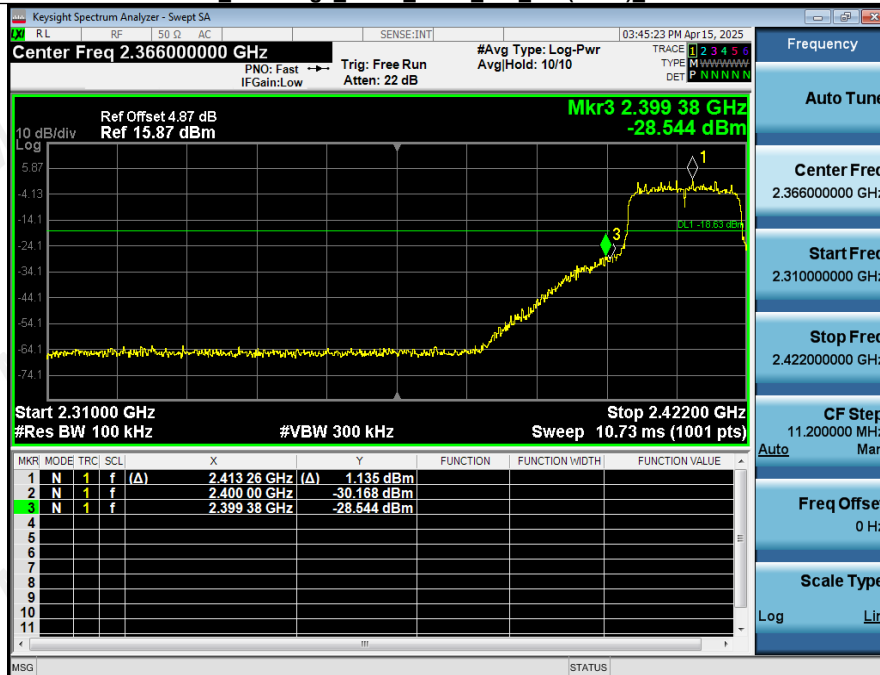
2 Bandedge_NVNT_ANT1_802_11g_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



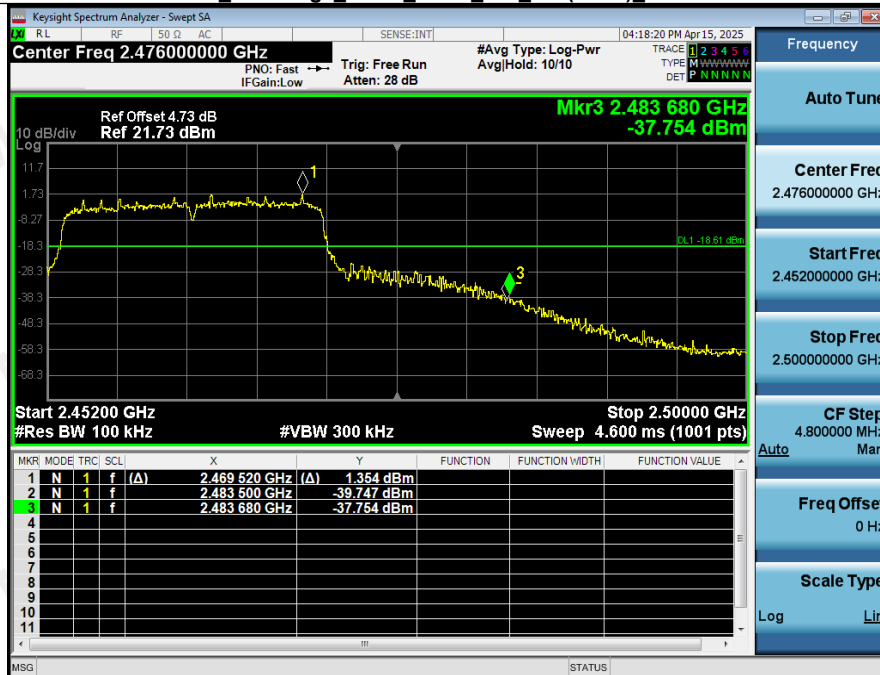
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



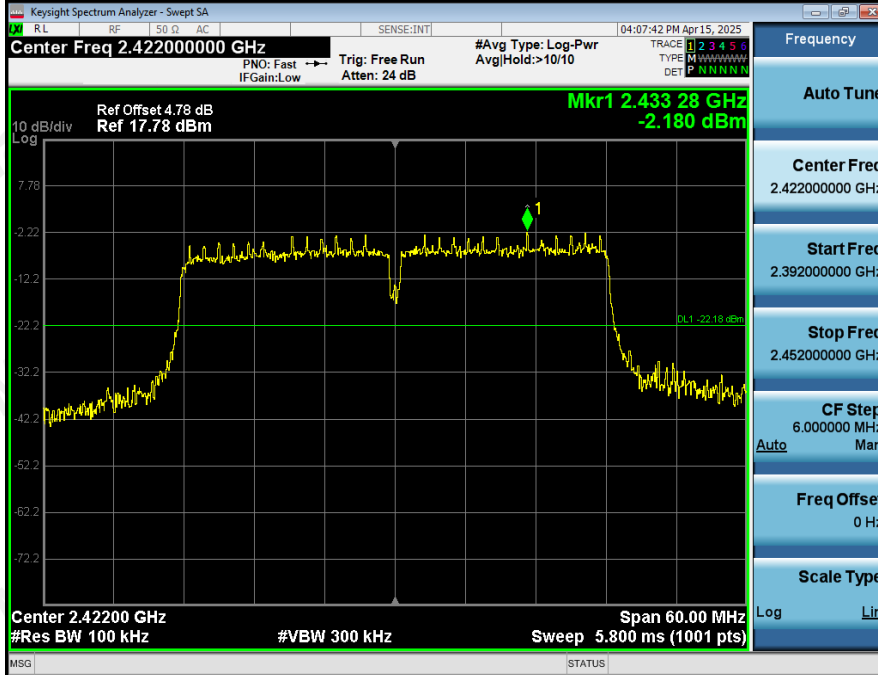
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



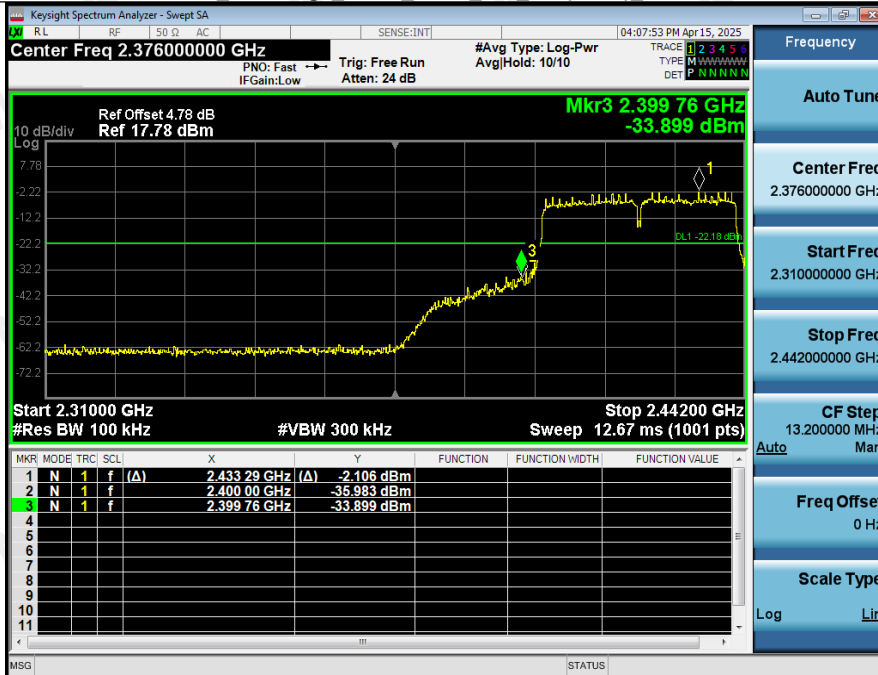
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462



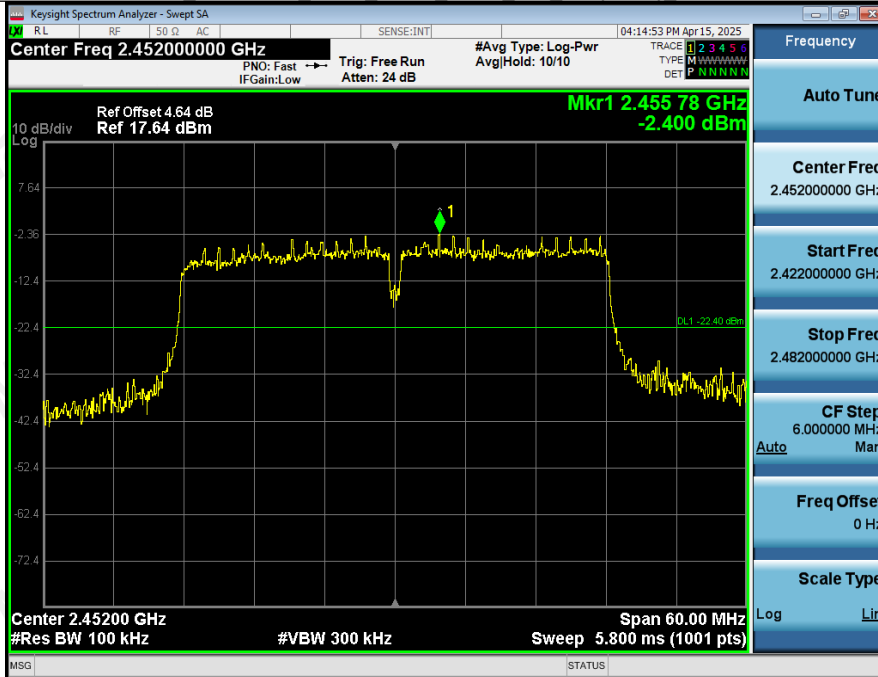
1 Reference Level NVNT_ANT1_802_11n(HT40)_2422



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



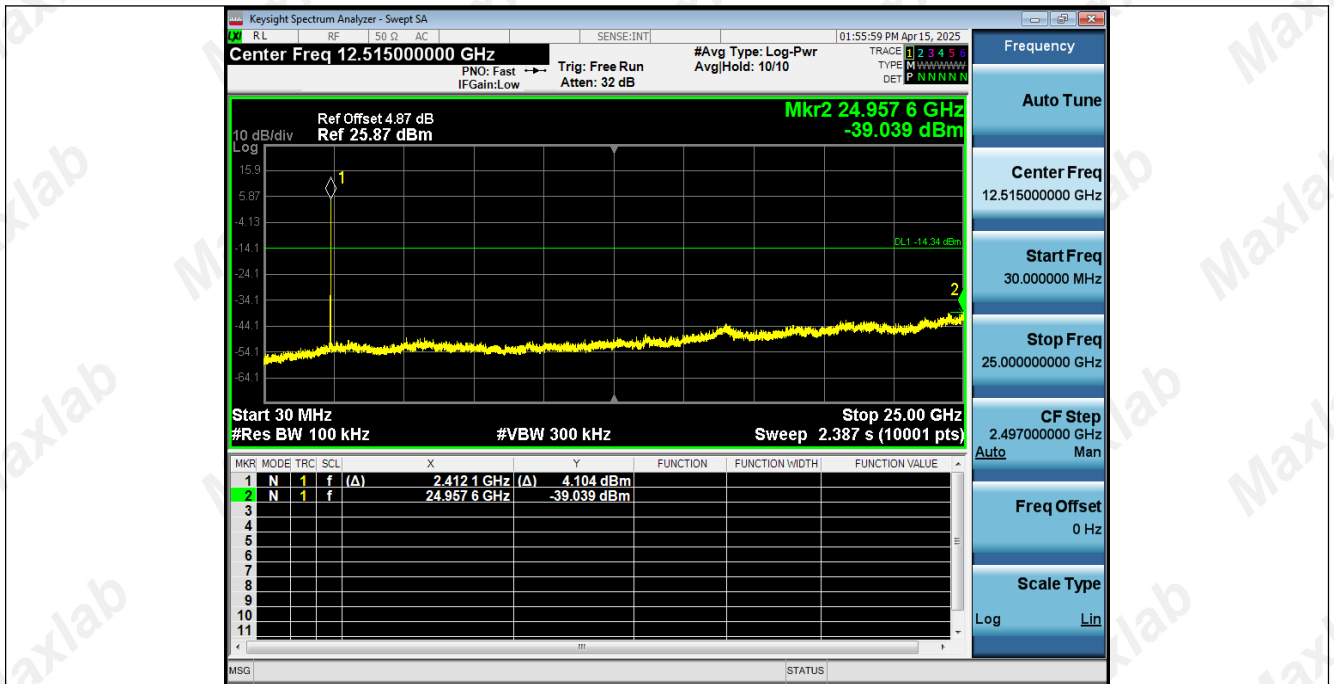
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24957.551	5.664	-39.039	-14.336	Pass
NVNT	ANT1	802.11b	2437.00	25000.000	6.023	-38.945	-13.977	Pass
NVNT	ANT1	802.11b	2462.00	24538.055	6.370	-43.231	-13.630	Pass
NVNT	ANT1	802.11g	2412.00	24982.521	1.428	-46.096	-18.572	Pass
NVNT	ANT1	802.11g	2437.00	24805.234	1.877	-46.593	-18.123	Pass
NVNT	ANT1	802.11g	2462.00	24550.540	2.768	-46.533	-17.232	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24787.755	1.370	-48.419	-18.630	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24987.515	1.338	-46.346	-18.662	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24962.545	1.387	-42.308	-18.613	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24460.648	-2.180	-46.713	-22.180	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	25000.000	-2.348	-46.709	-22.348	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24995.006	-2.400	-46.988	-22.400	Pass

1 Reference_Level_NVNT_ANT1_802_11b_2412



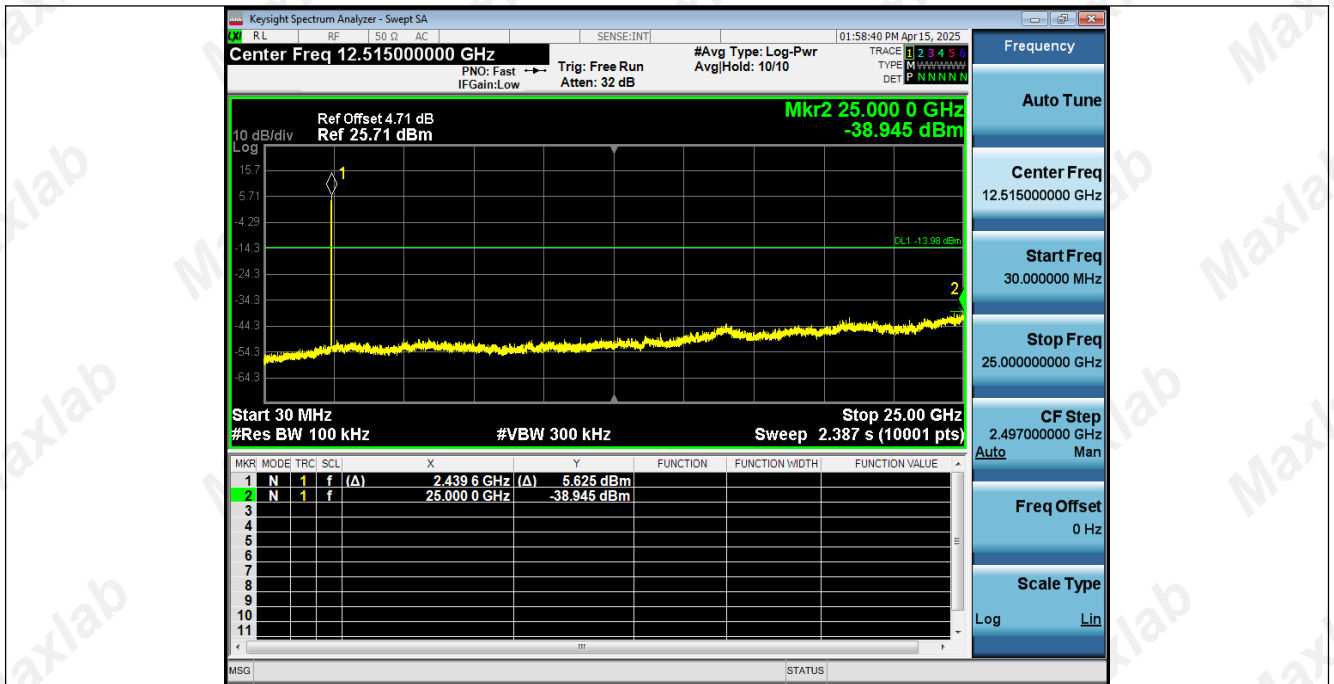
2 Spurious_Emission_NVNT_ANT1_802_11b_2412



1 Reference Level NVNT_ANT1_802_11b_2437



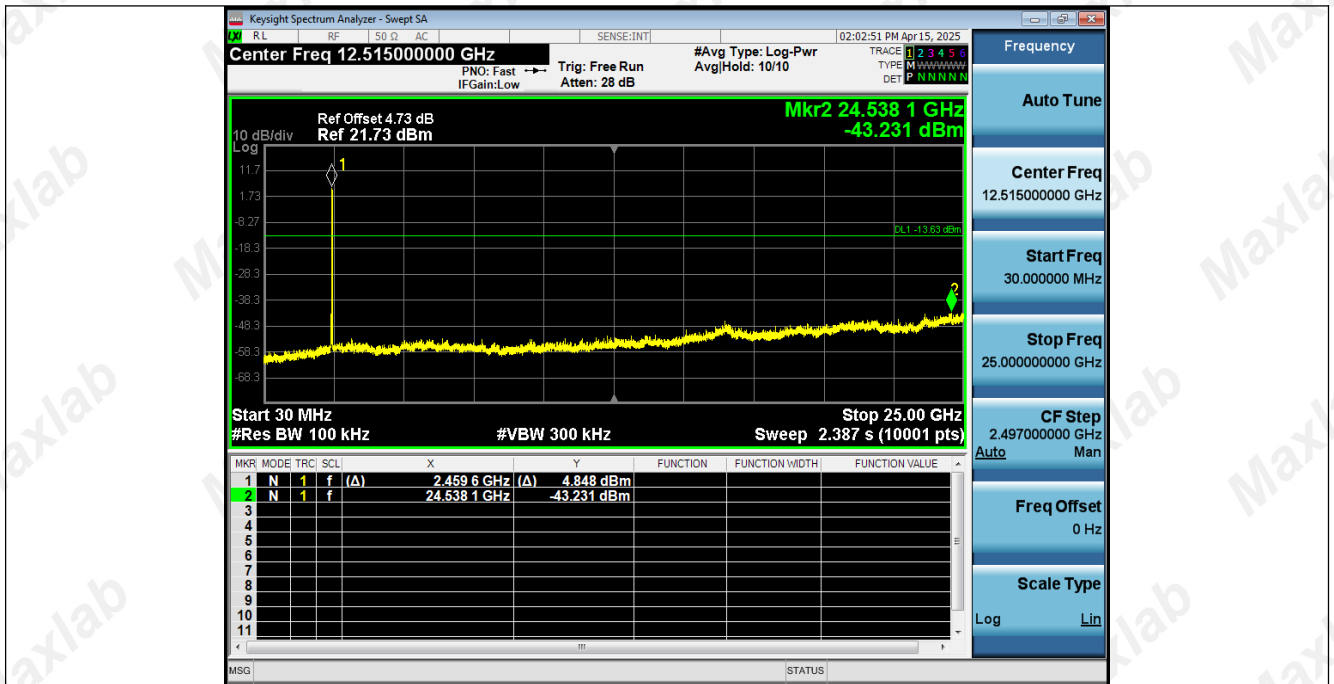
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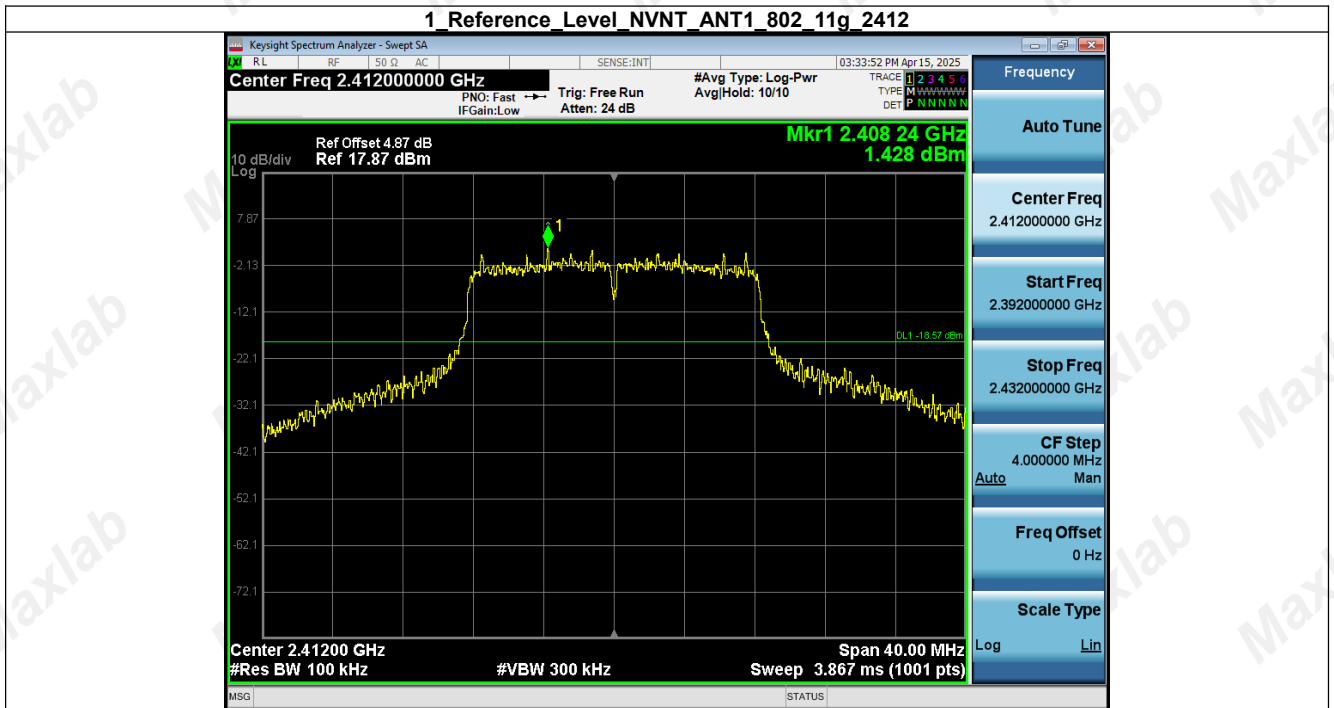
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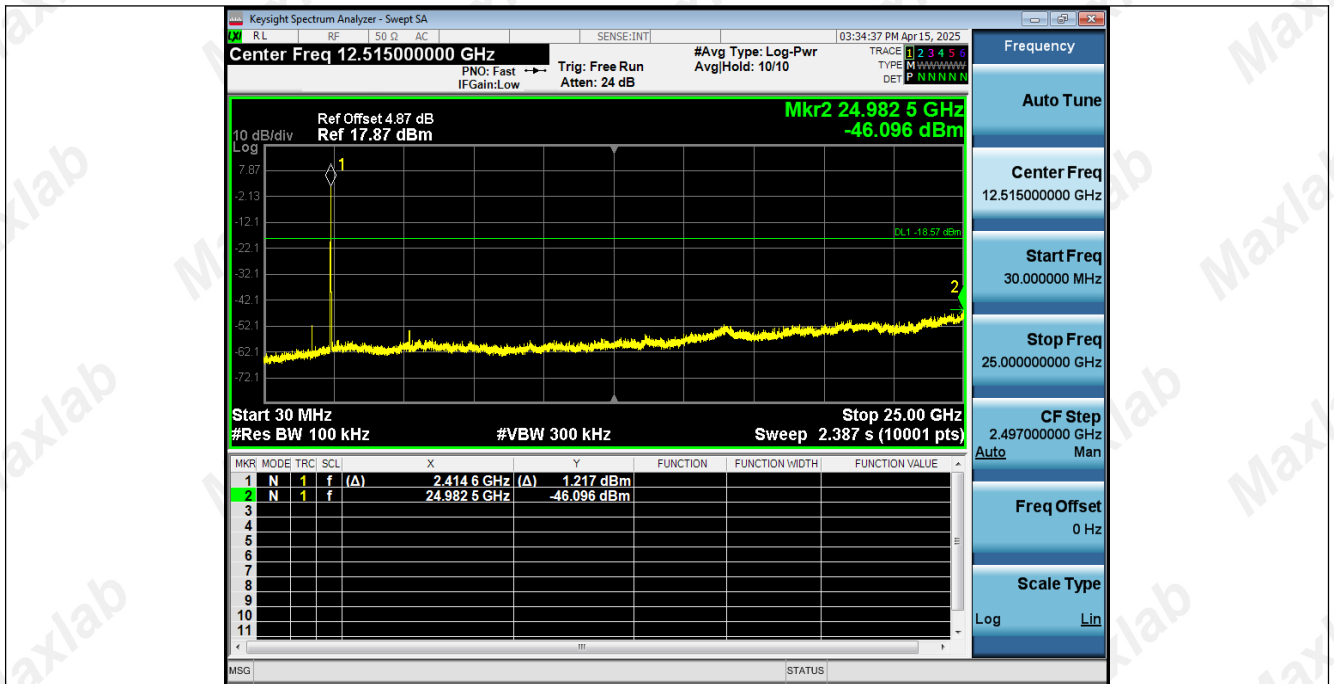
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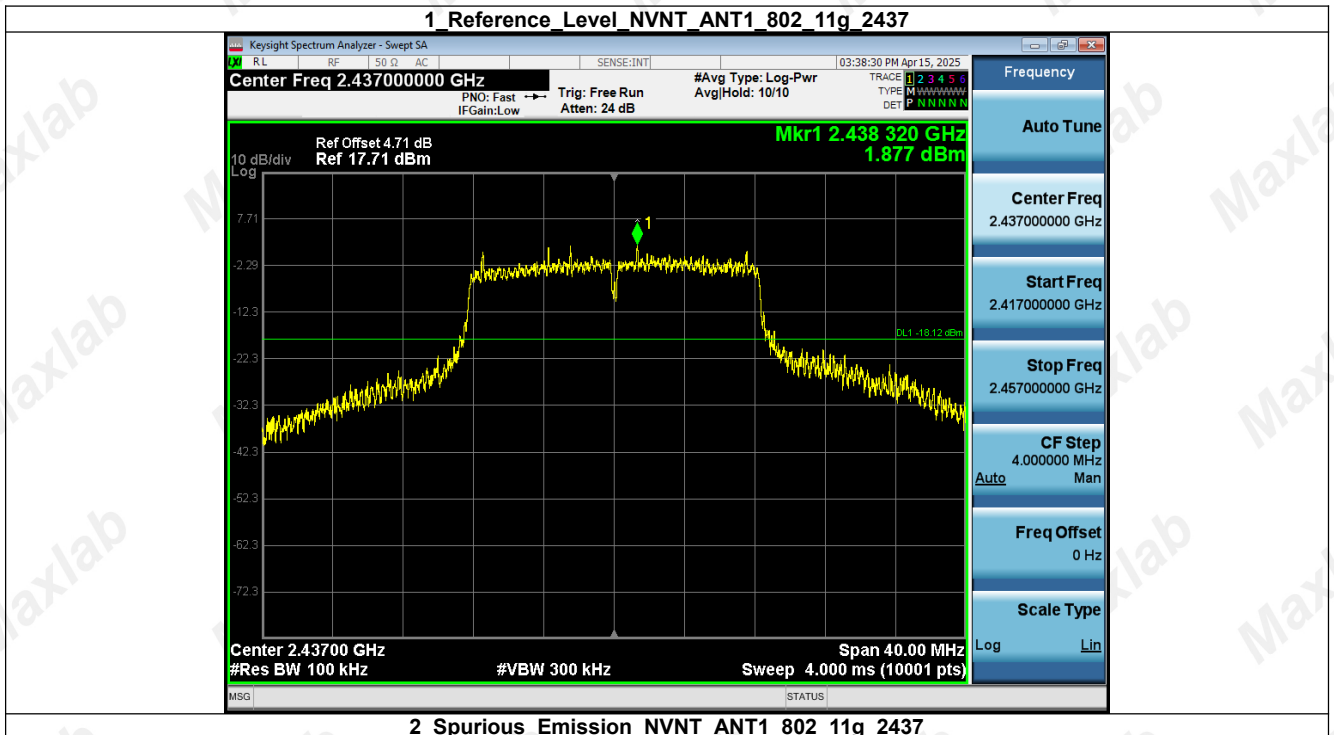
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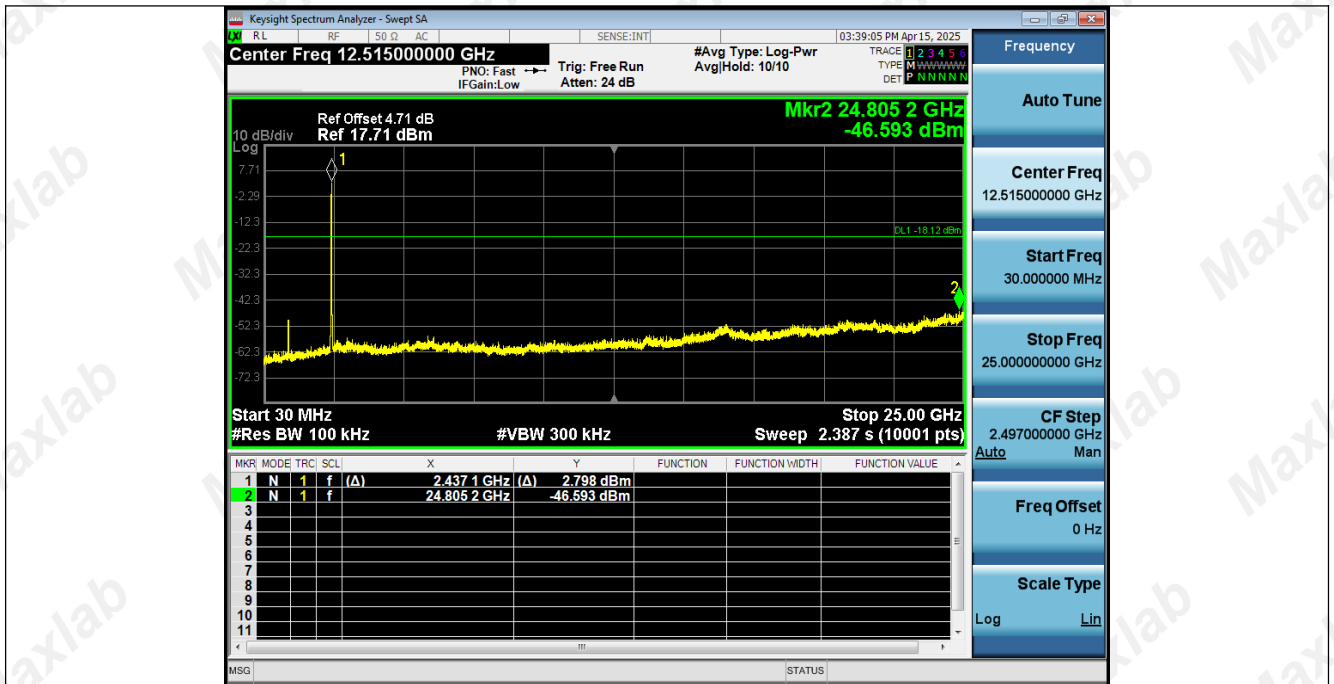
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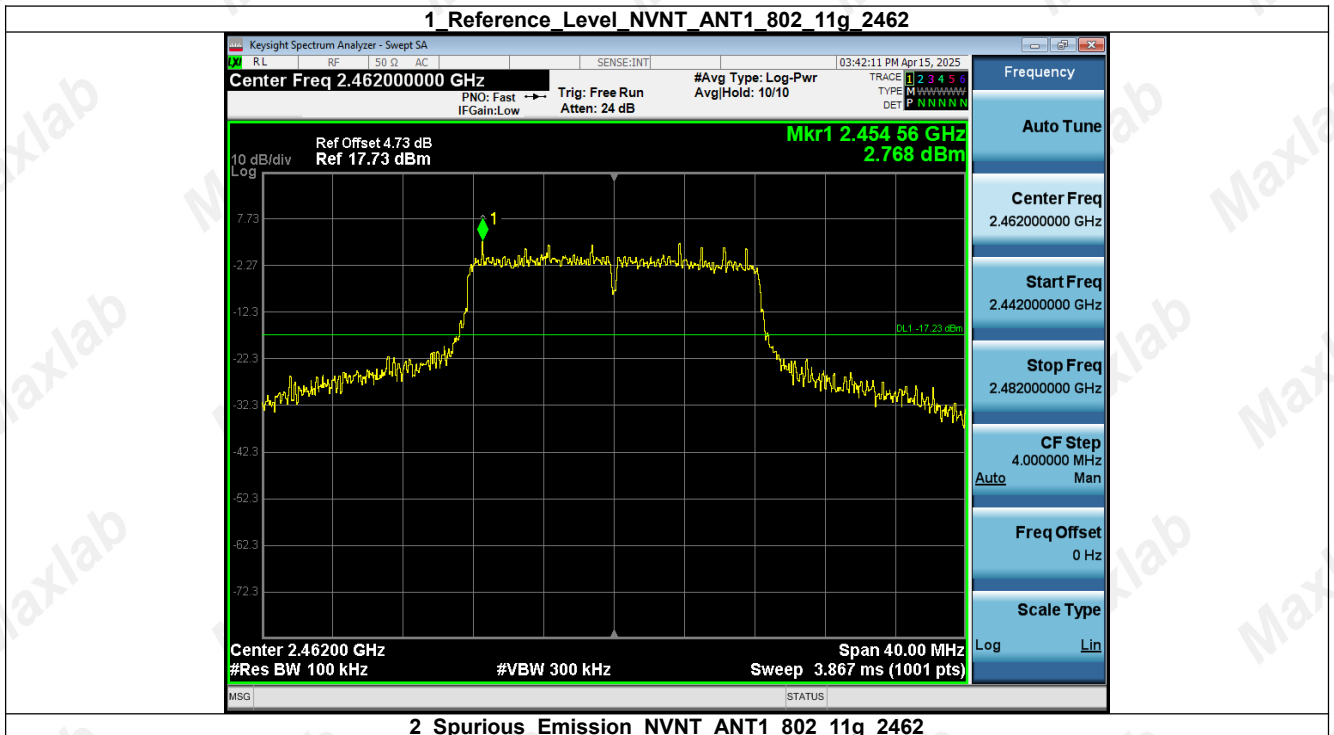
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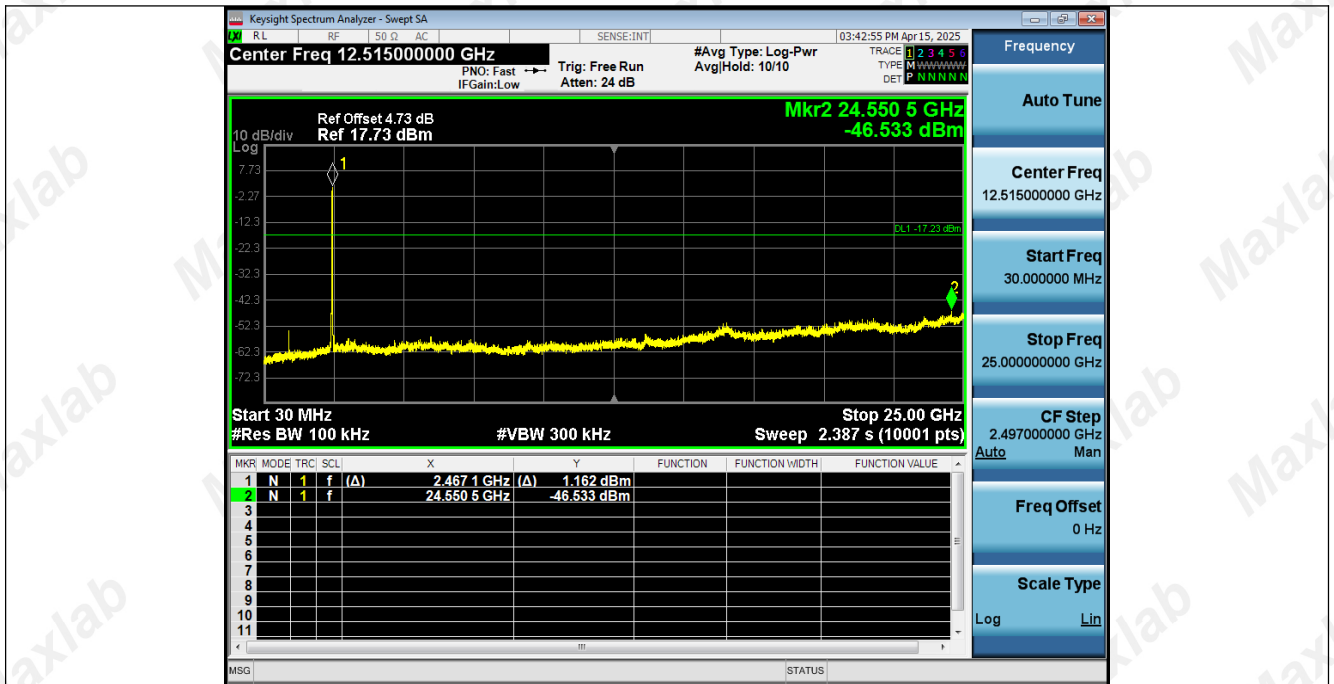
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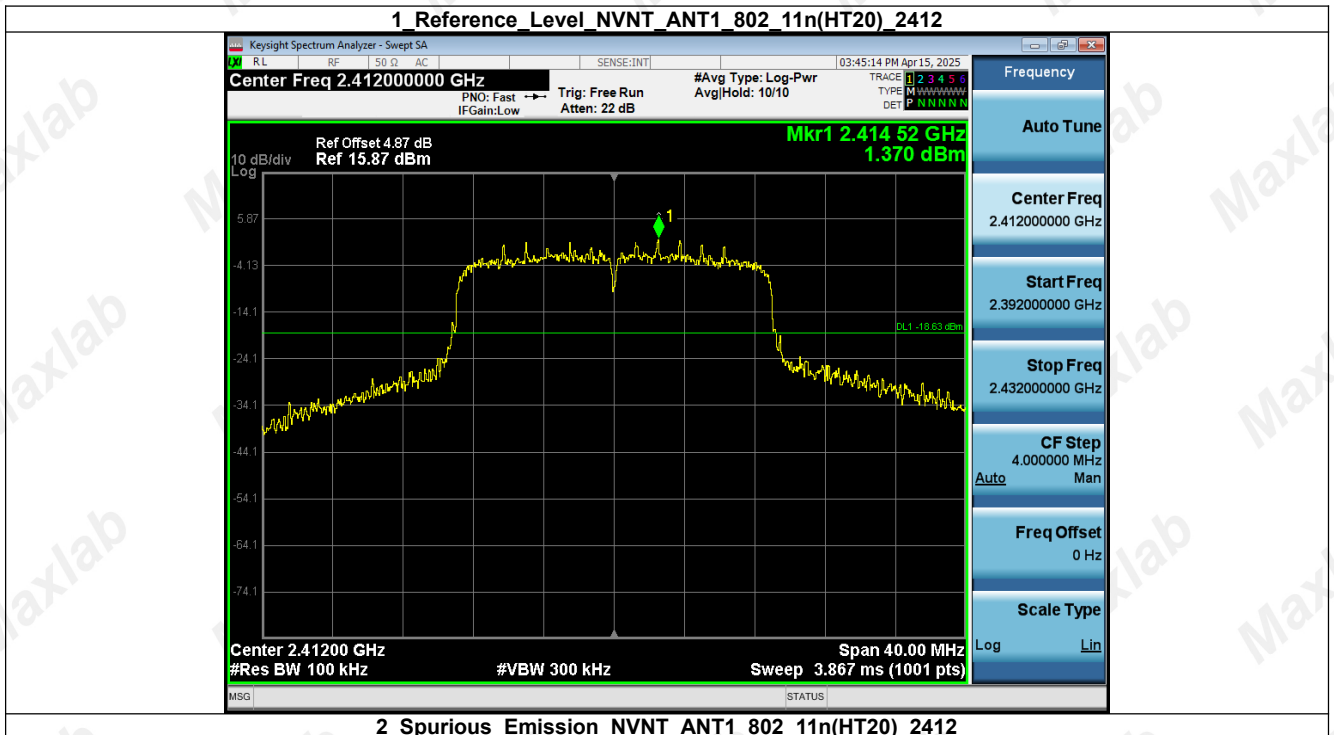
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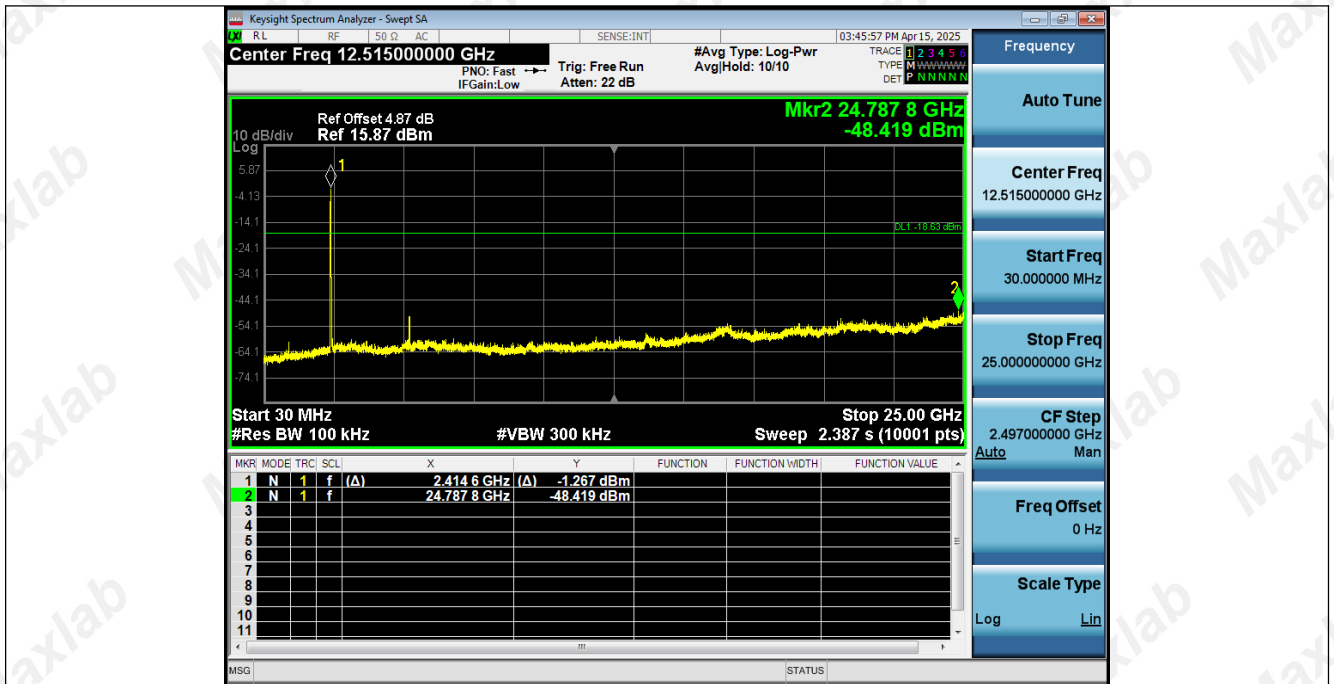
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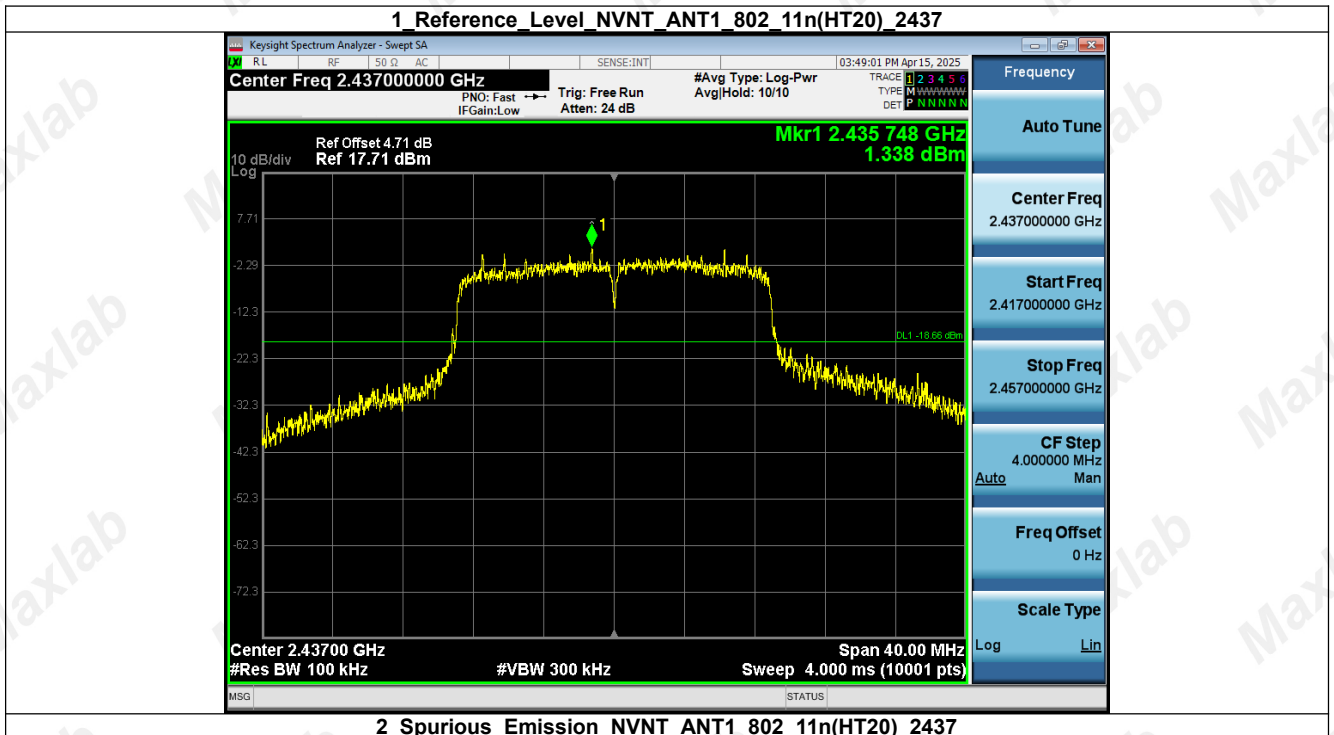
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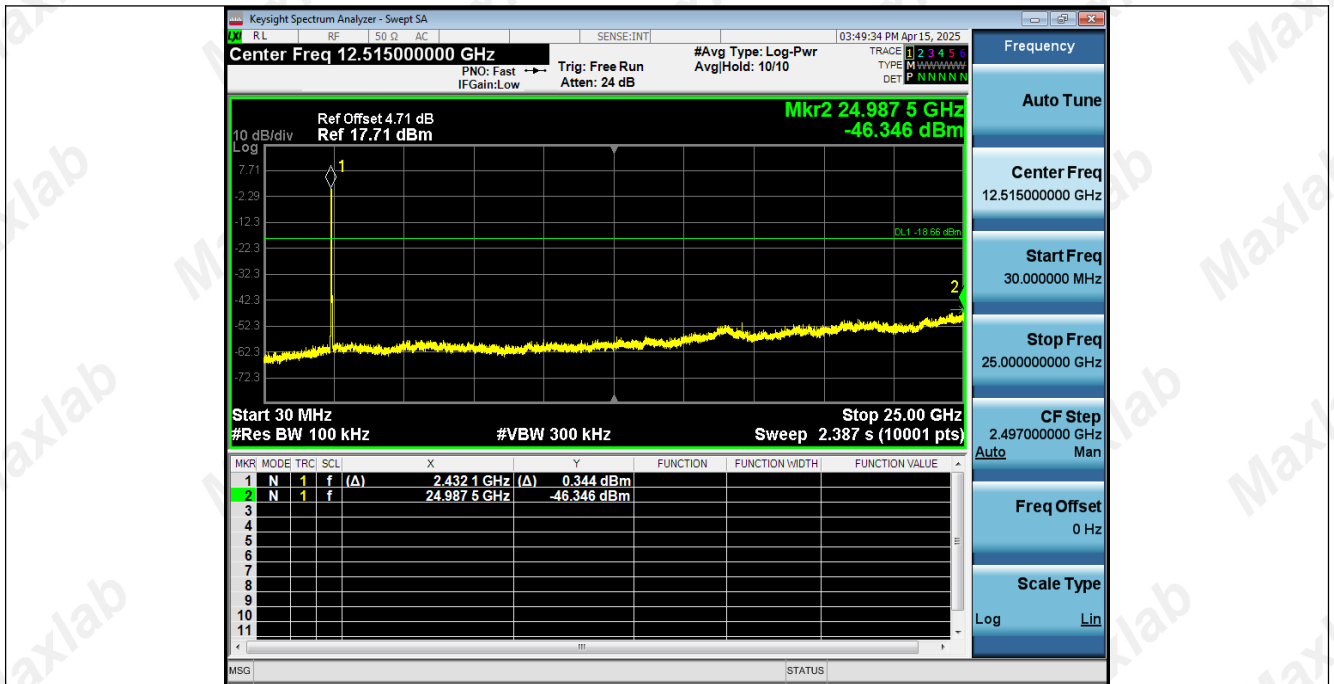
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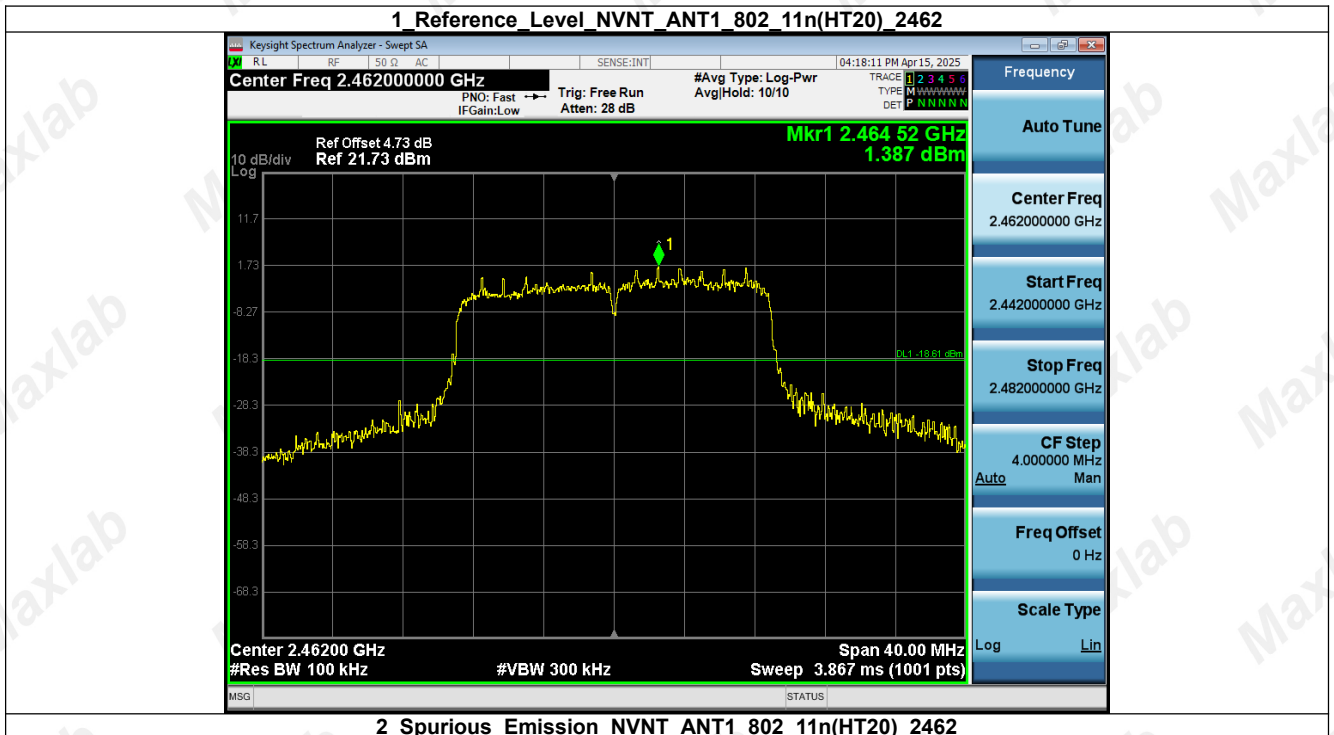
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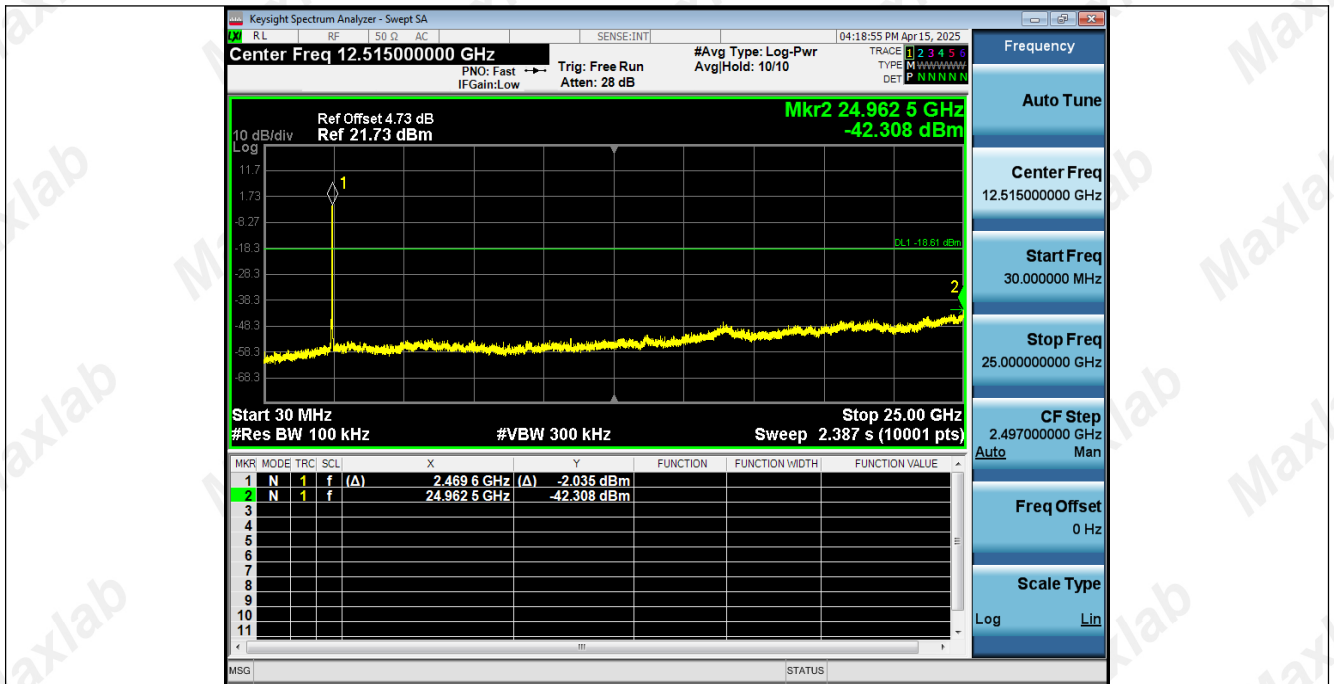
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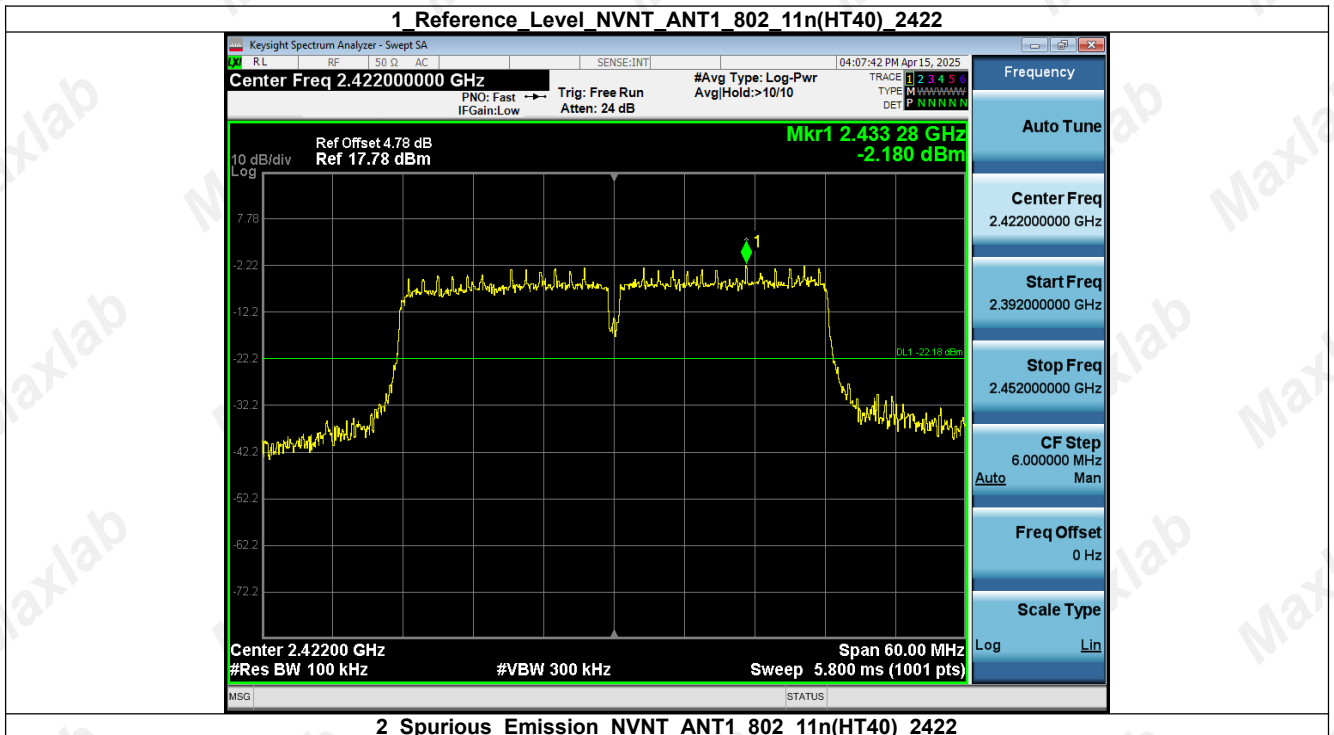
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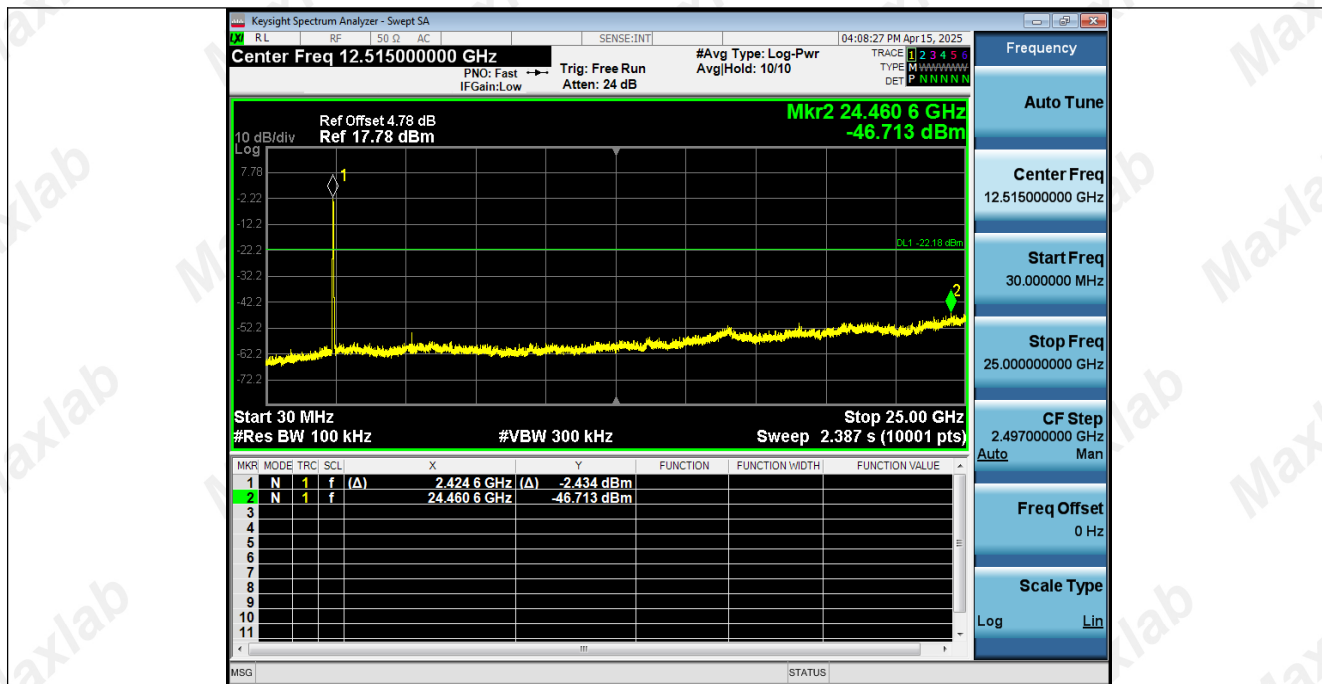
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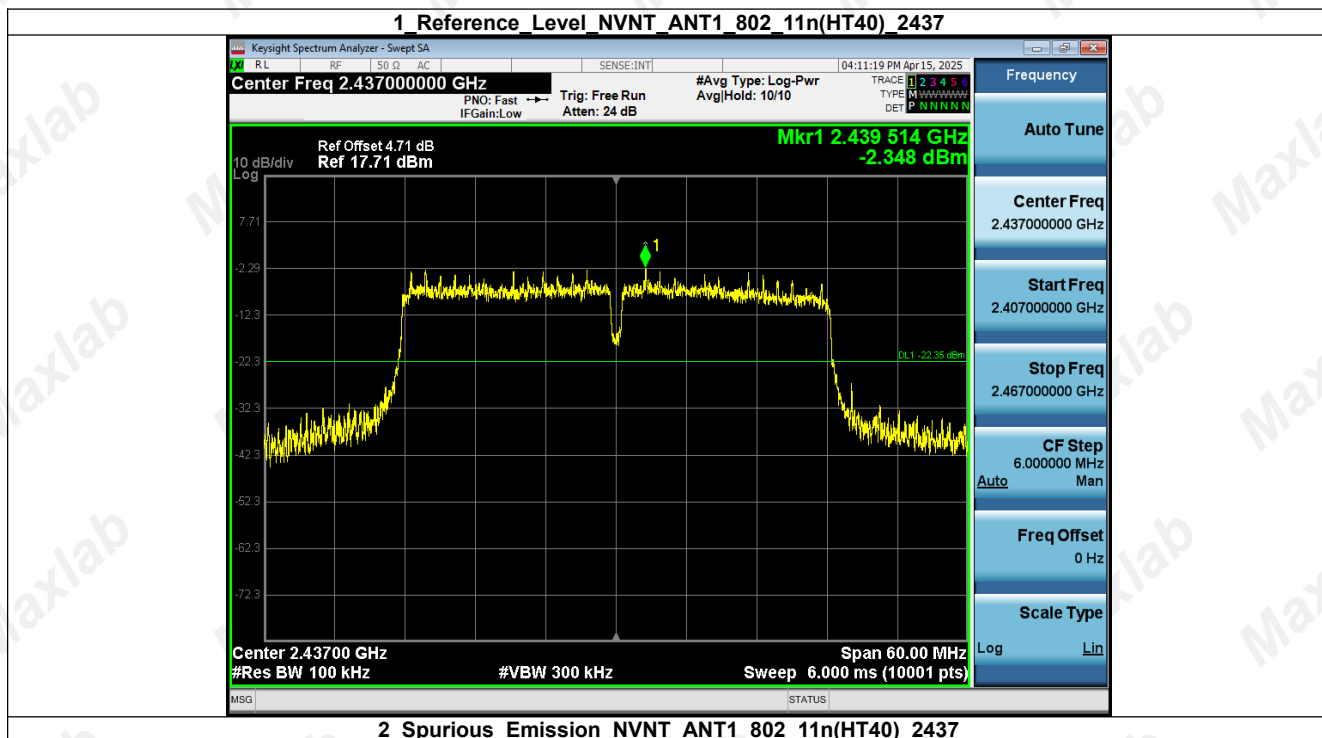
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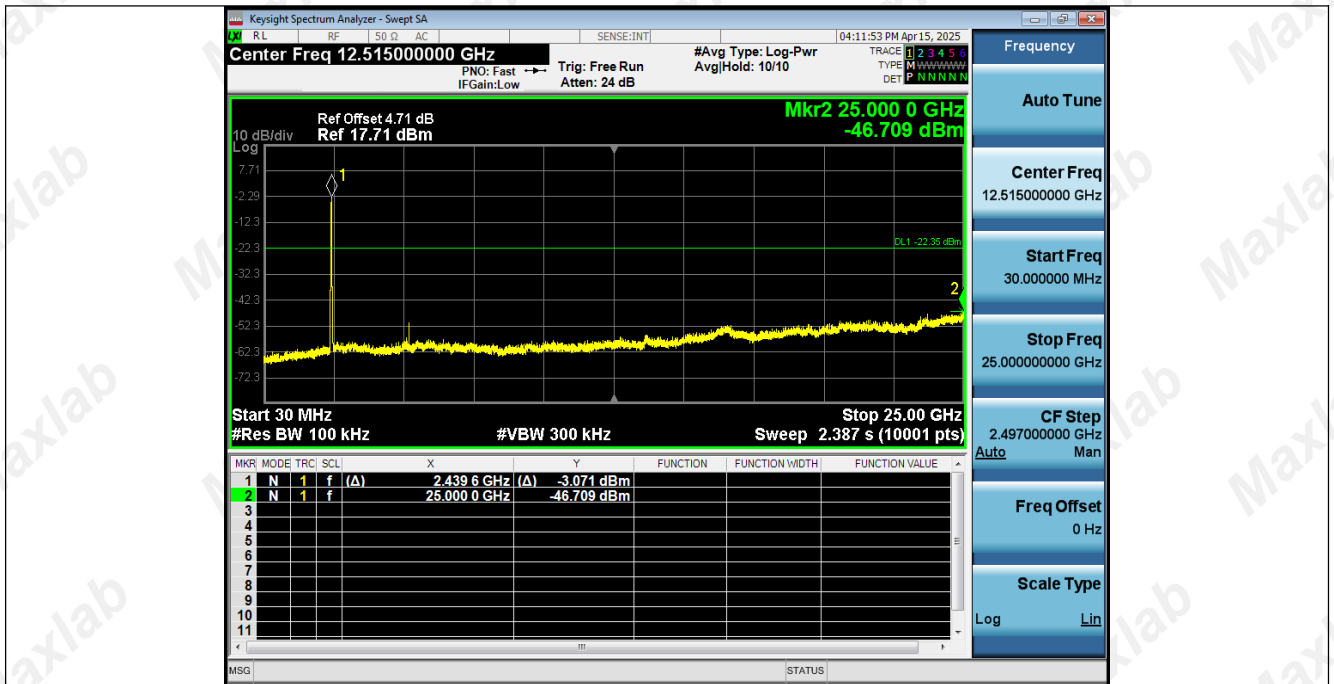
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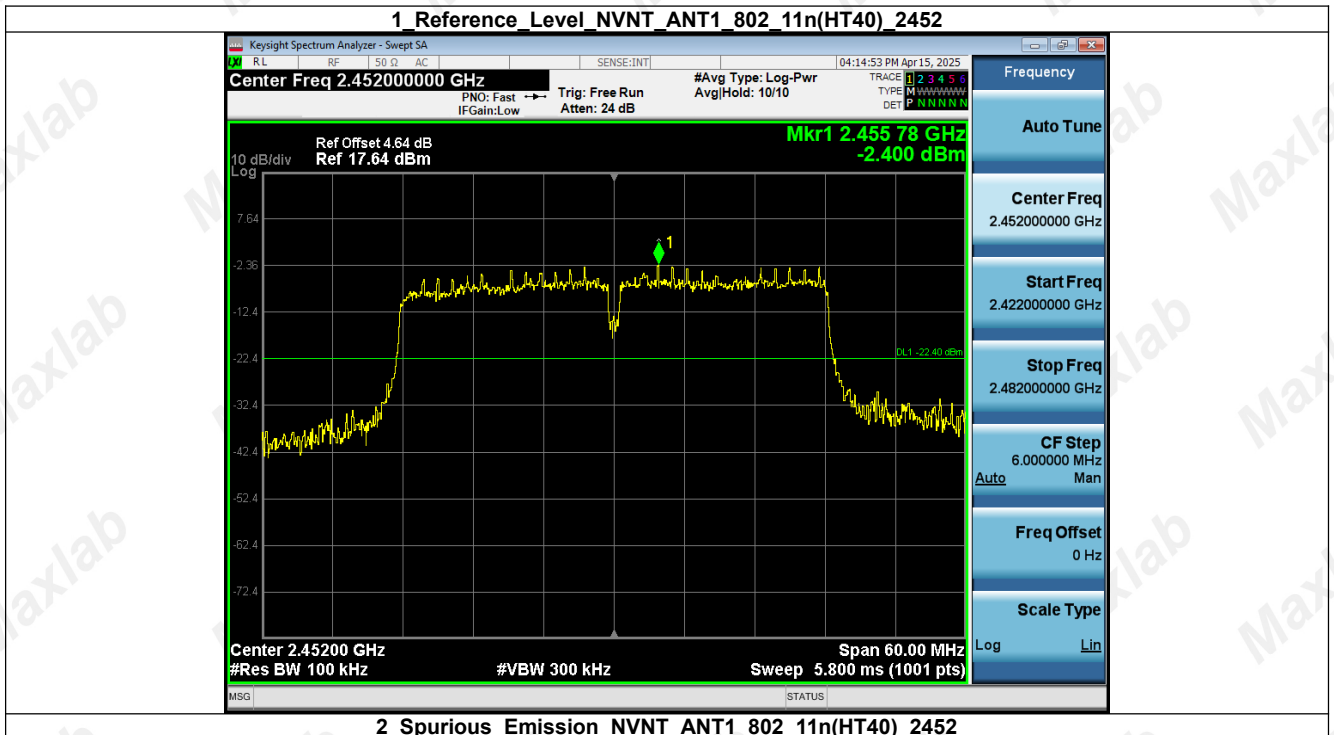
1 Reference Level NVNT_ANT1_802_11n(HT40)_2437



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

