



Compliance Certification Services
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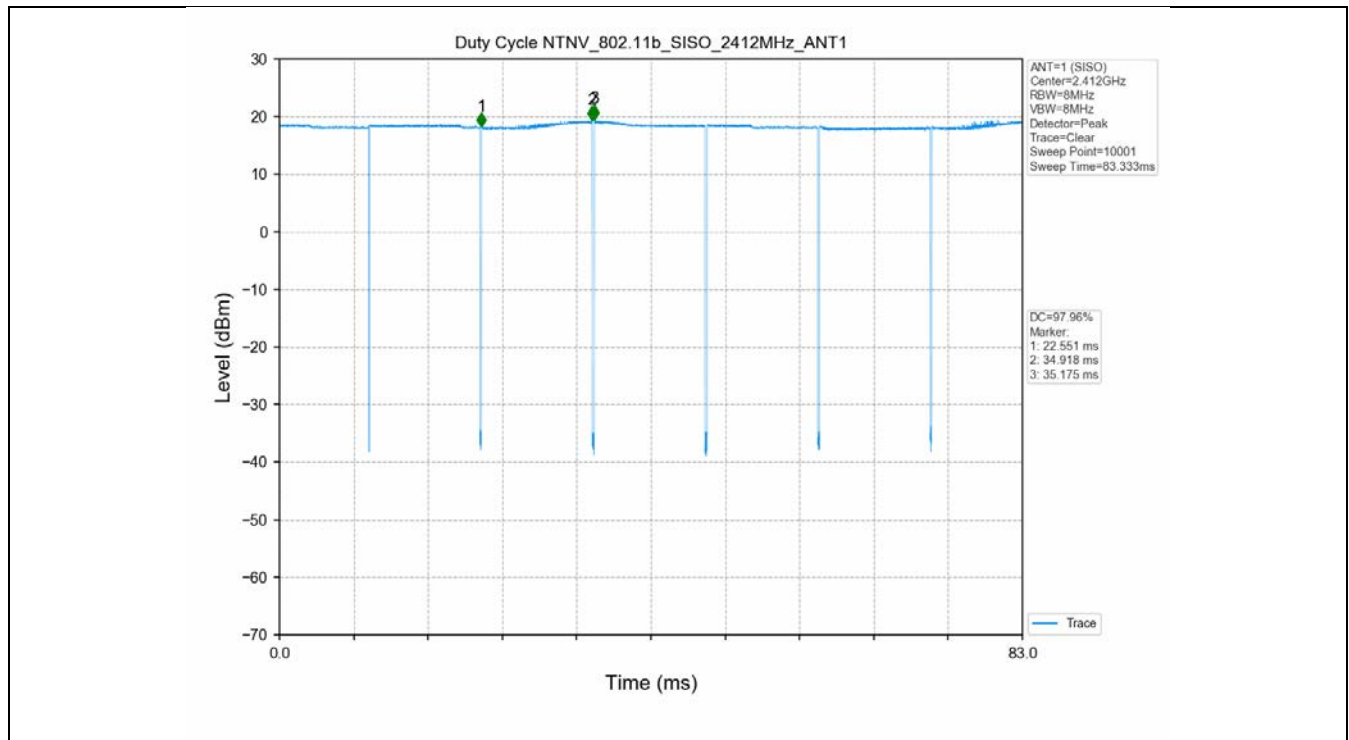
Appendix A for KSEM200600072501

1. Duty Cycle

1.1 Test Result

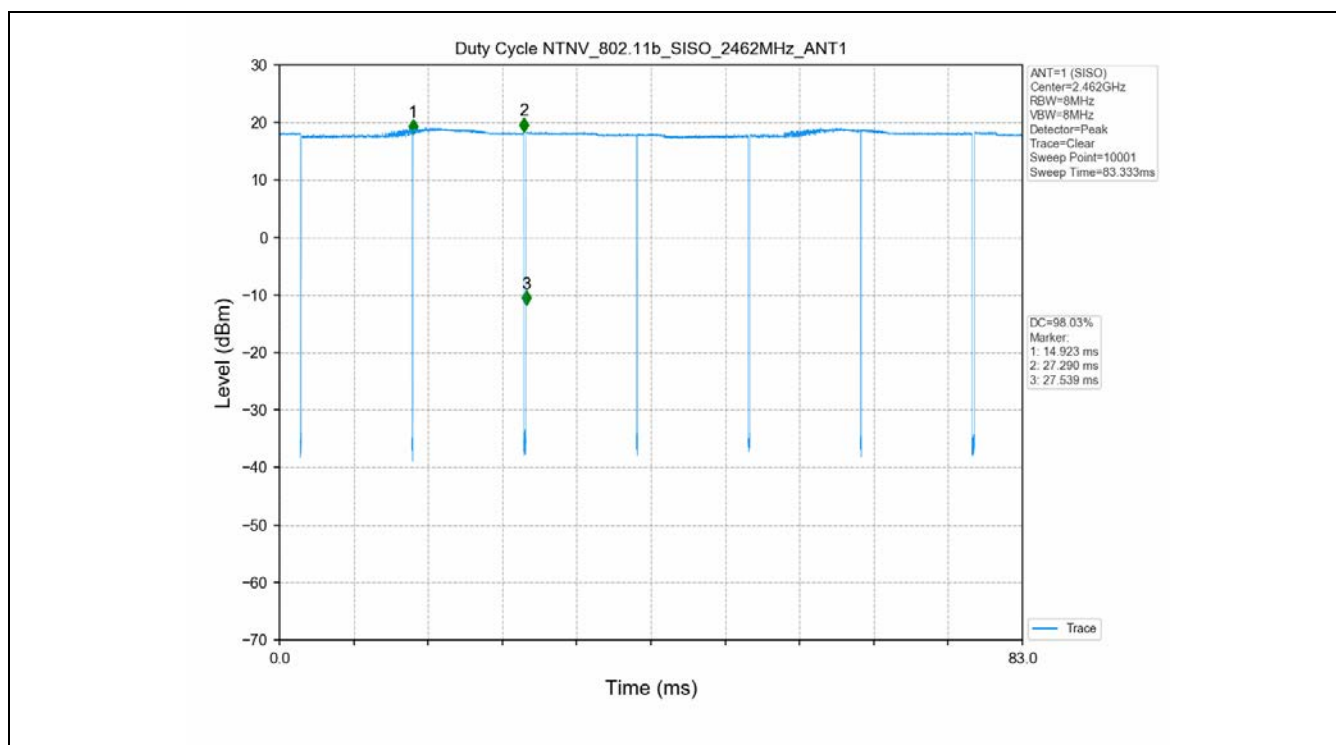
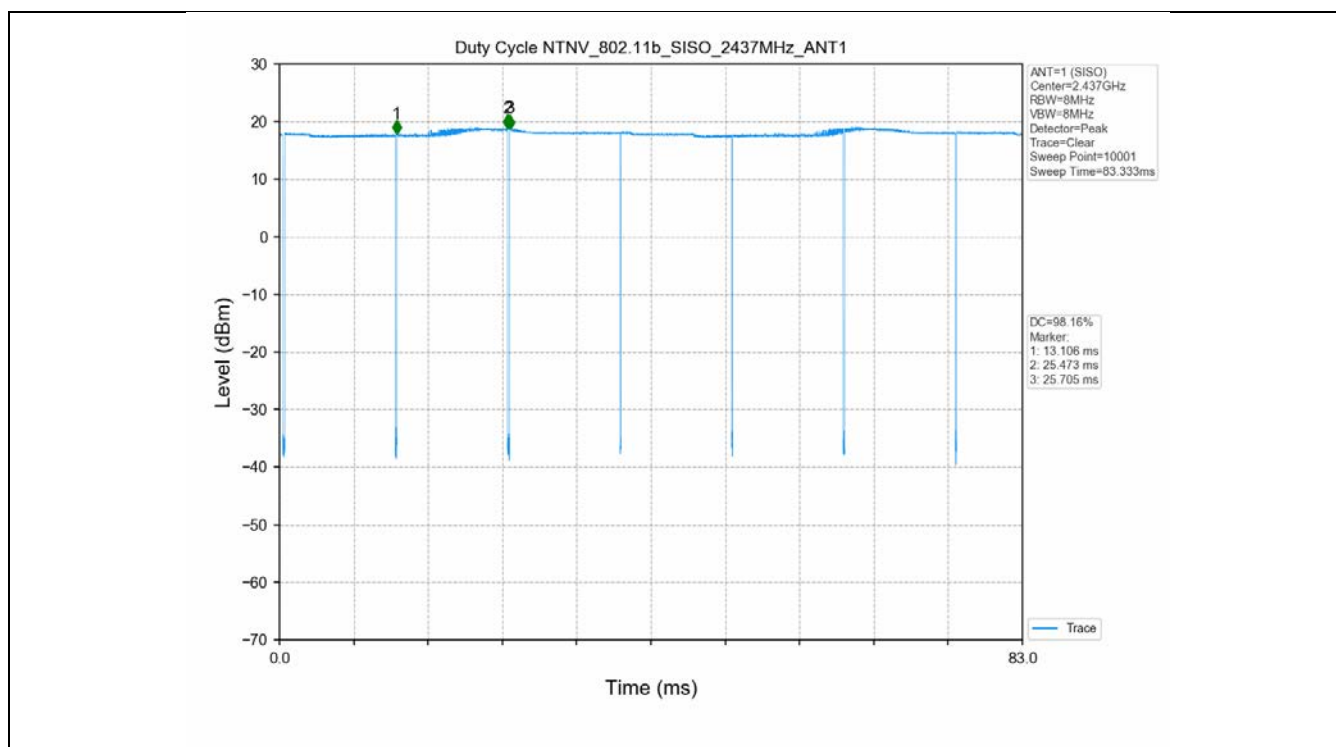
Test Mode	Channel Frequency(M Hz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	12.367	12.624	97.96	0.09
	2437	SISO	1	12.367	12.599	98.16	0.08
	2462	SISO	1	12.367	12.616	98.03	0.09
802.11g	2412	SISO	1	2.065	2.241	92.15	0.36
	2437	SISO	1	2.065	2.340	88.25	0.54
	2462	SISO	1	2.064	2.400	86.00	0.66
802.11n(HT20)	2412	SISO	1	1.864	2.190	85.11	0.70
	2437	SISO	1	1.865	1.976	94.38	0.25
	2462	SISO	1	1.865	2.151	86.70	0.62
802.11n(HT40)	2422	SISO	1	0.945	1.280	73.83	1.32
	2437	SISO	1	0.945	1.200	78.75	1.04
	2452	SISO	1	0.945	1.241	76.15	1.18

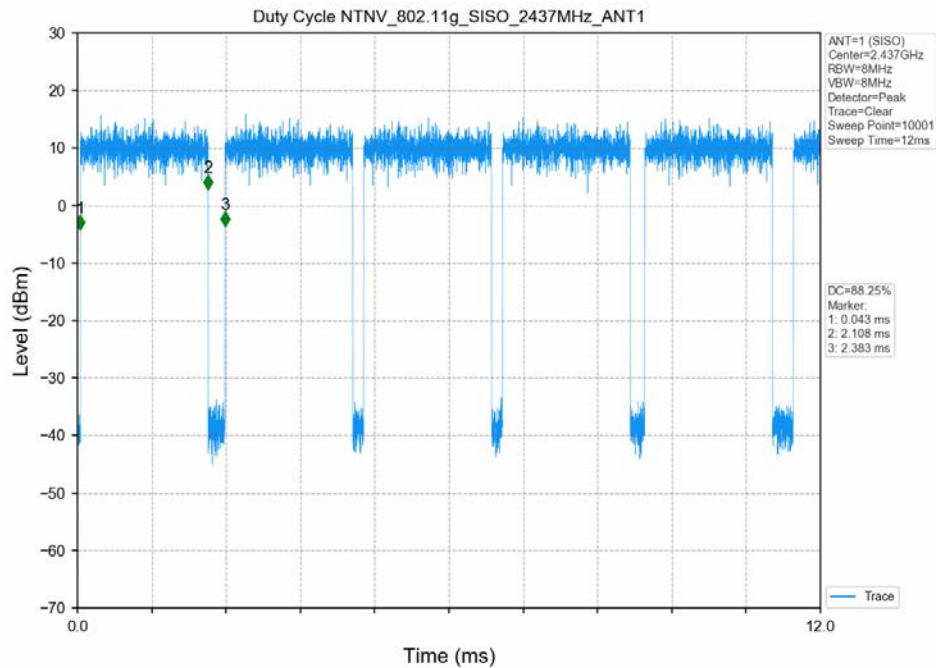
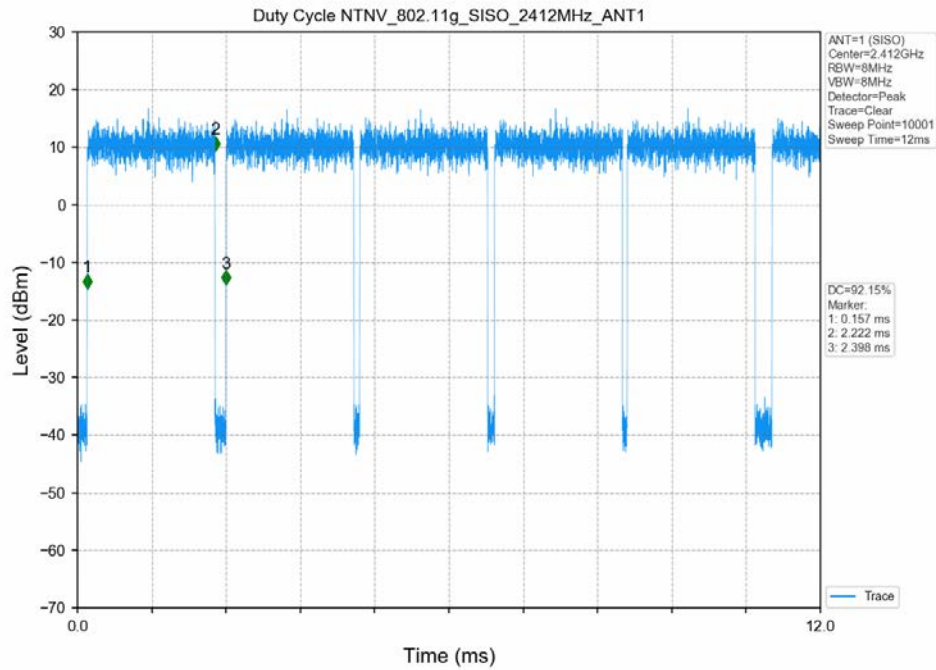
1.2 Test Graph

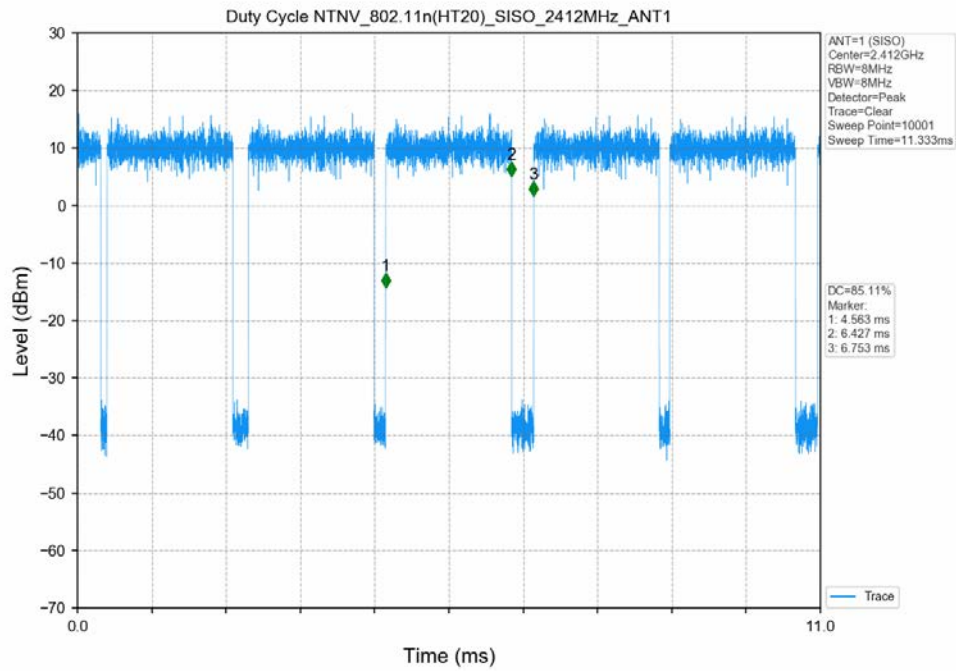
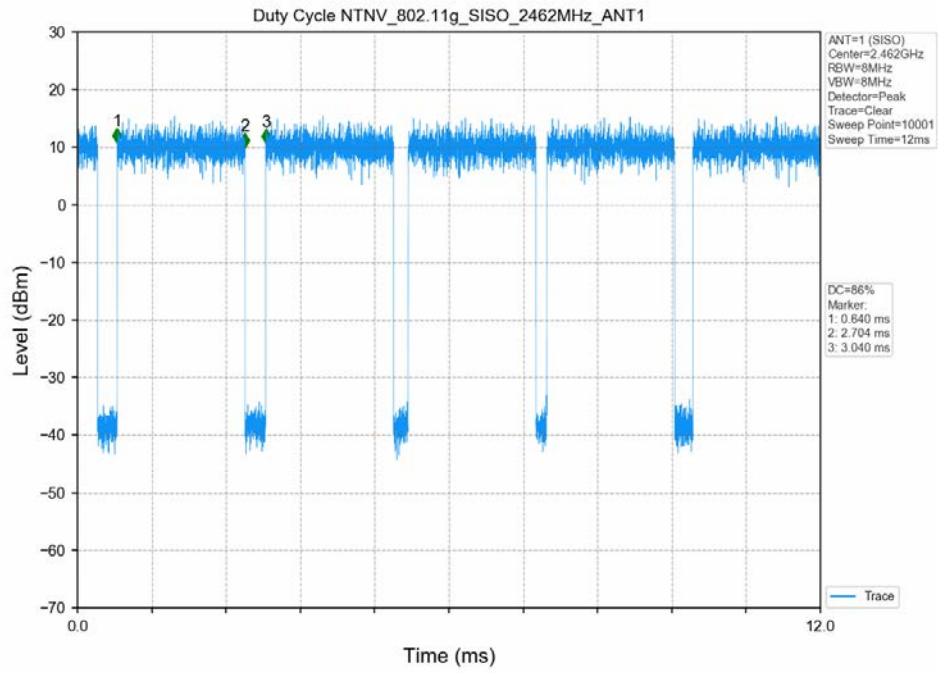




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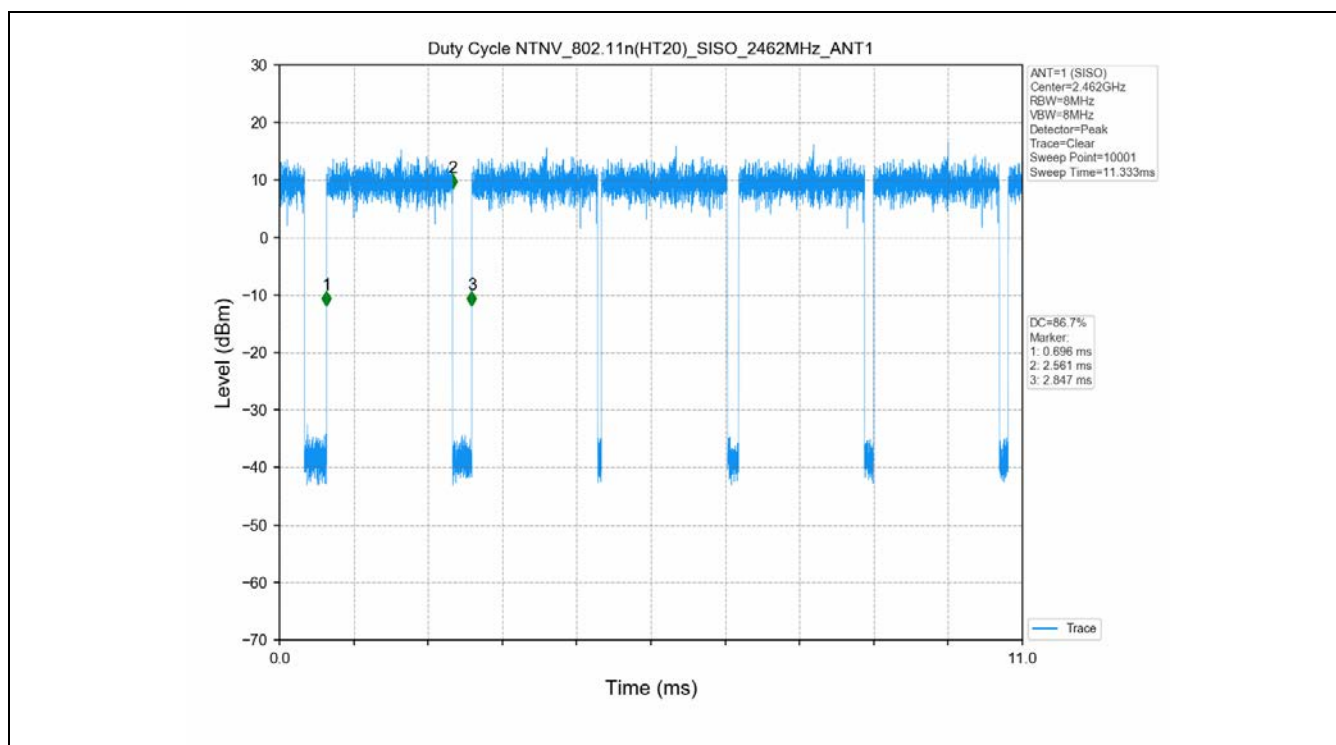
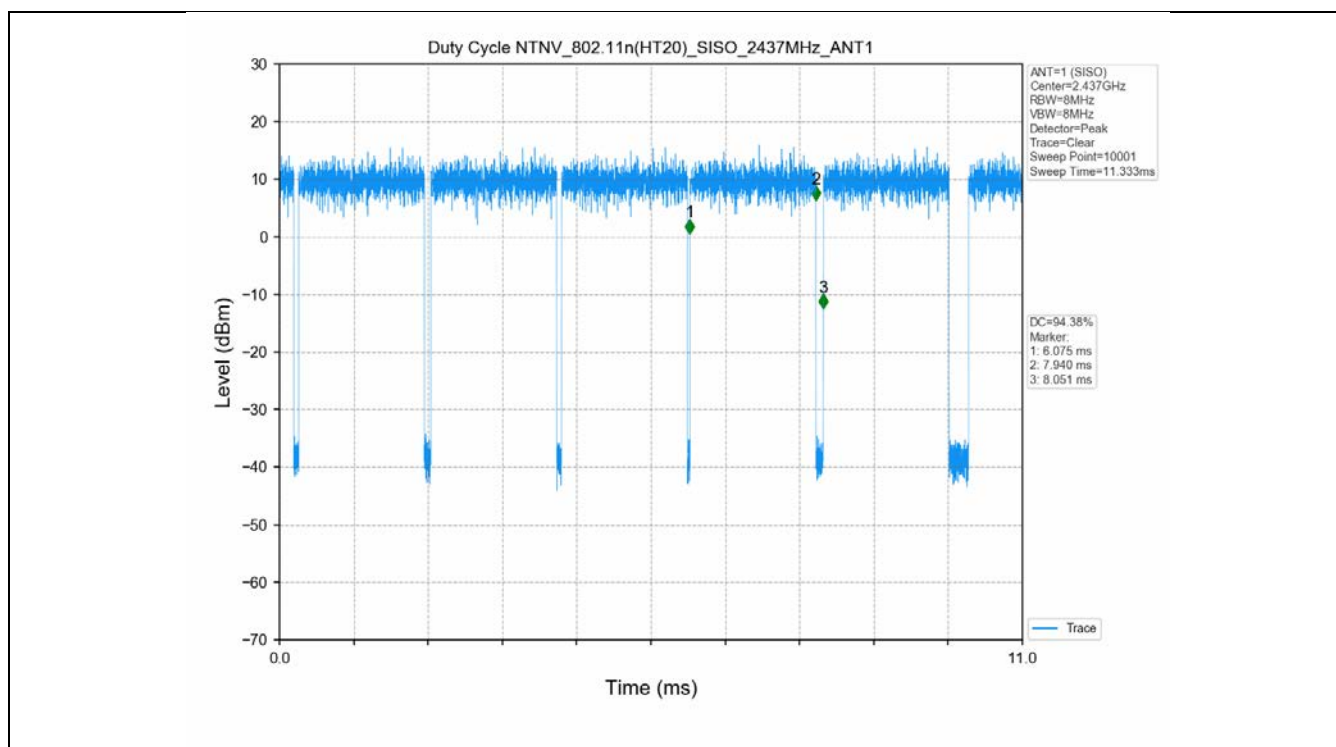






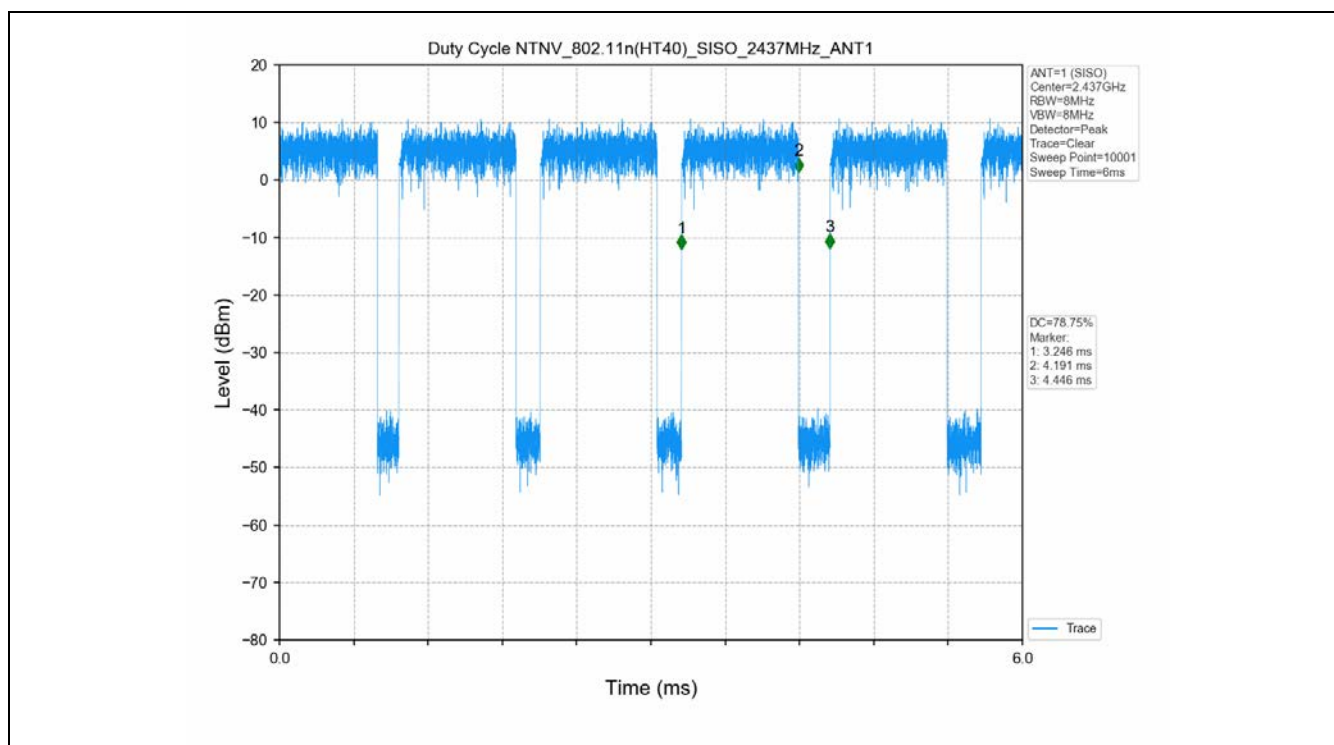
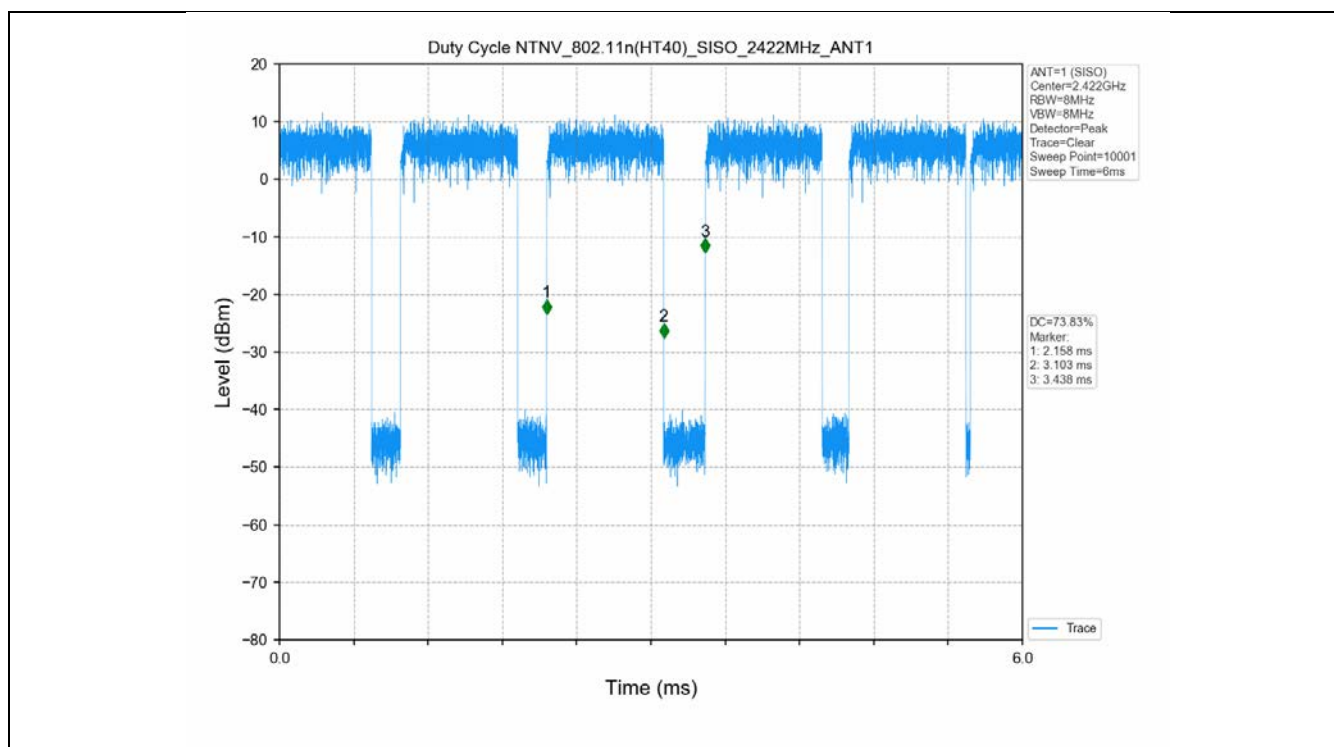


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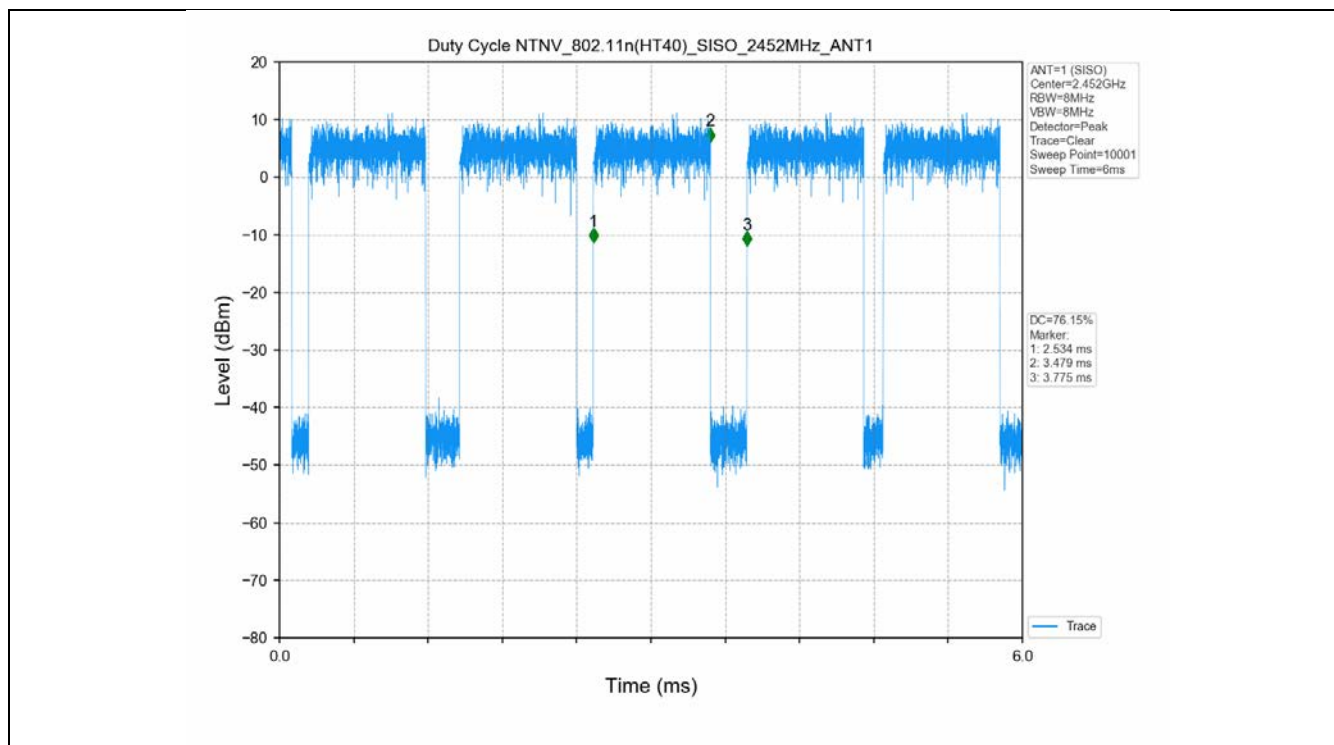


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2. Bandwidth

2.1 Test Result

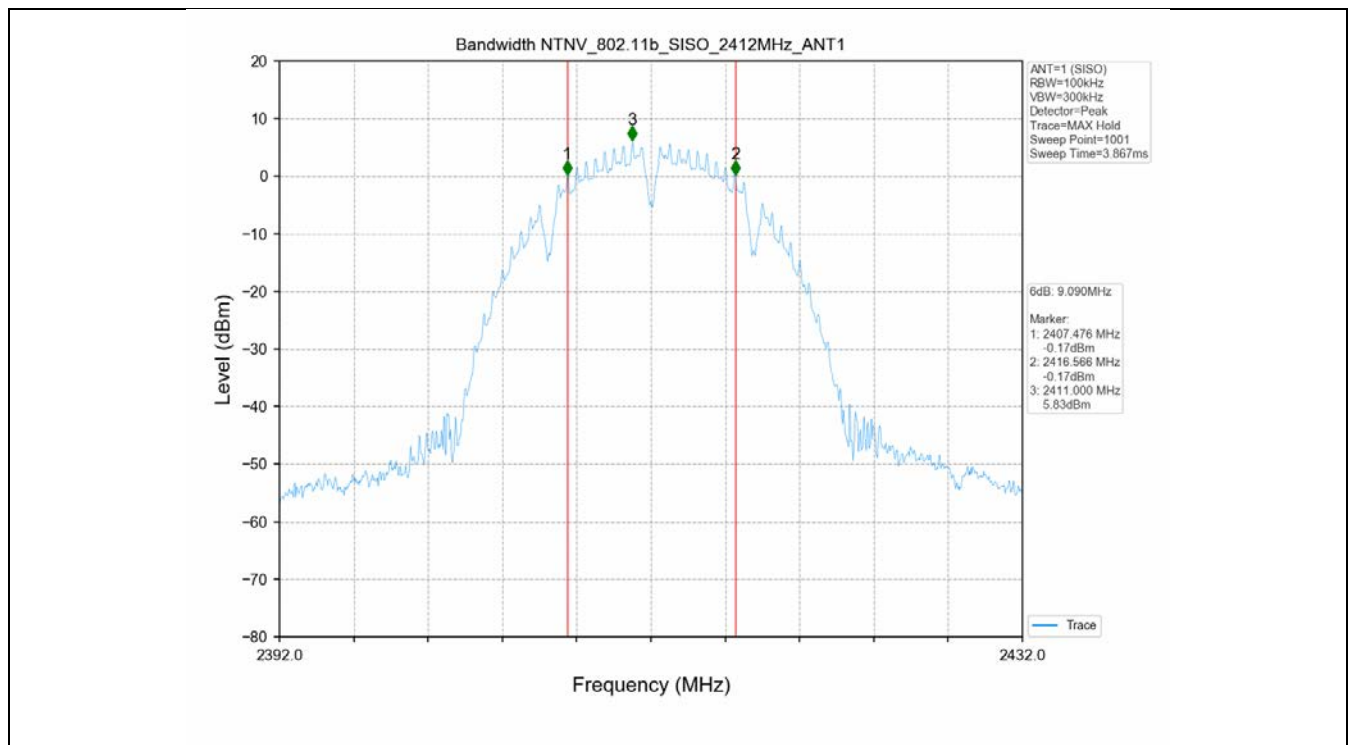
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth					Verdict
				Test Result (MHz)	Limits (MHz)	1.5*BW (MHz)	Span using in the PSD (MHz)	Span using in the Power □ MHz □	
802.11b	2412	SISO	1	9.09	≥0.5	13.635	13.636	13.636	PASS
	2437	SISO	1	9.088	≥0.5	13.632	13.632	13.632	PASS
	2462	SISO	1	8.569	≥0.5	12.854	12.854	12.854	PASS
802.11g	2412	SISO	1	16.396	≥0.5	24.594	24.594	24.594	PASS
	2437	SISO	1	16.386	≥0.5	24.579	24.580	24.580	PASS
	2462	SISO	1	16.402	≥0.5	24.603	24.604	24.604	PASS
802.11n(HT20)	2412	SISO	1	17.58	≥0.5	26.370	26.370	26.370	PASS
	2437	SISO	1	17.394	≥0.5	26.091	26.092	26.092	PASS
	2462	SISO	1	17.366	≥0.5	26.049	26.048	26.048	PASS
802.11n(HT40)	2422	SISO	1	35.768	≥0.5	53.652	53.652	53.652	PASS
	2437	SISO	1	36.006	≥0.5	54.009	54.008	54.008	PASS
	2452	SISO	1	36.003	≥0.5	54.005	54.004	54.004	PASS

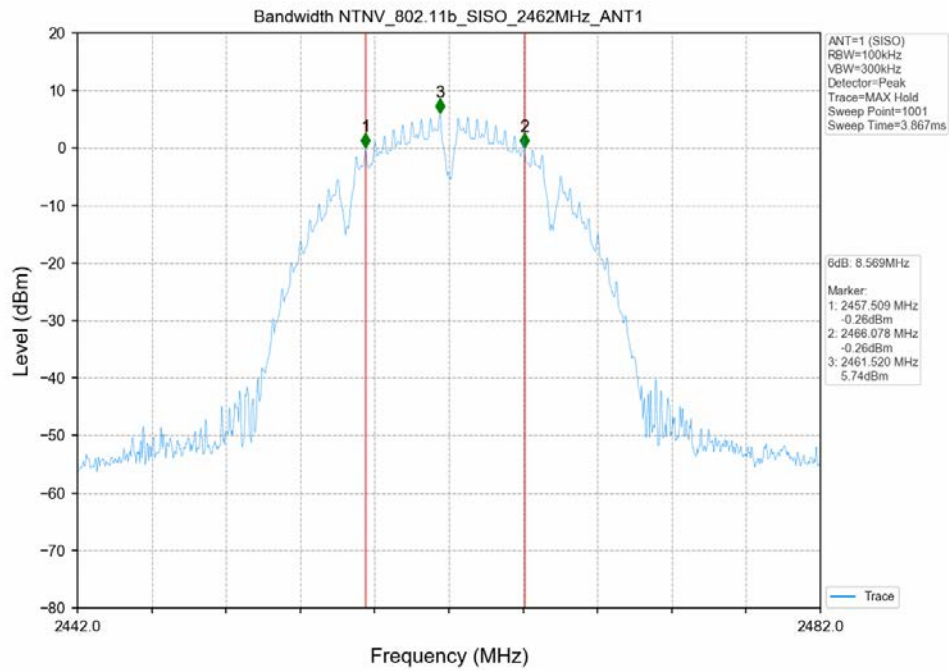
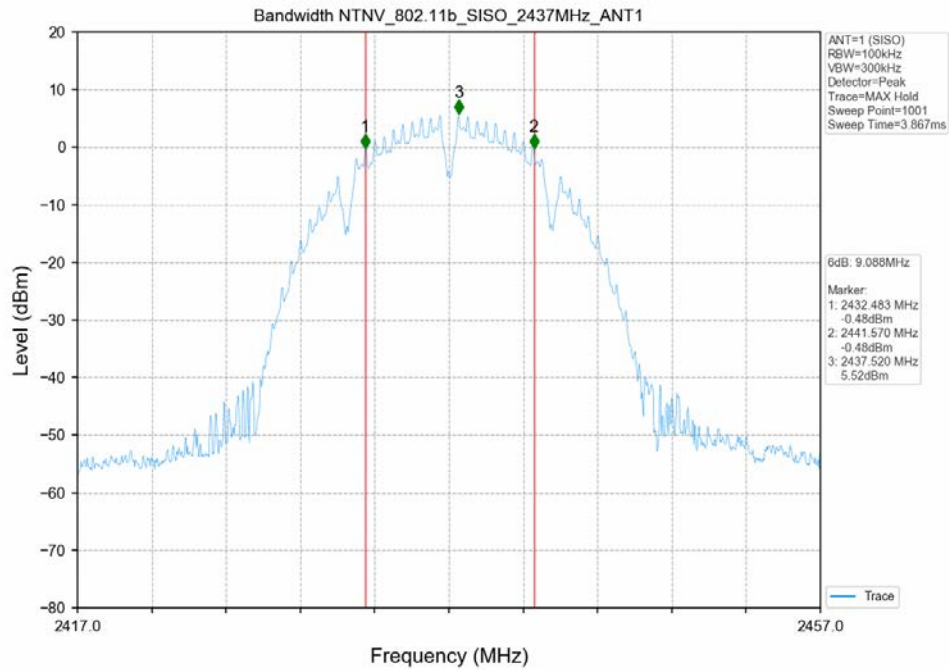


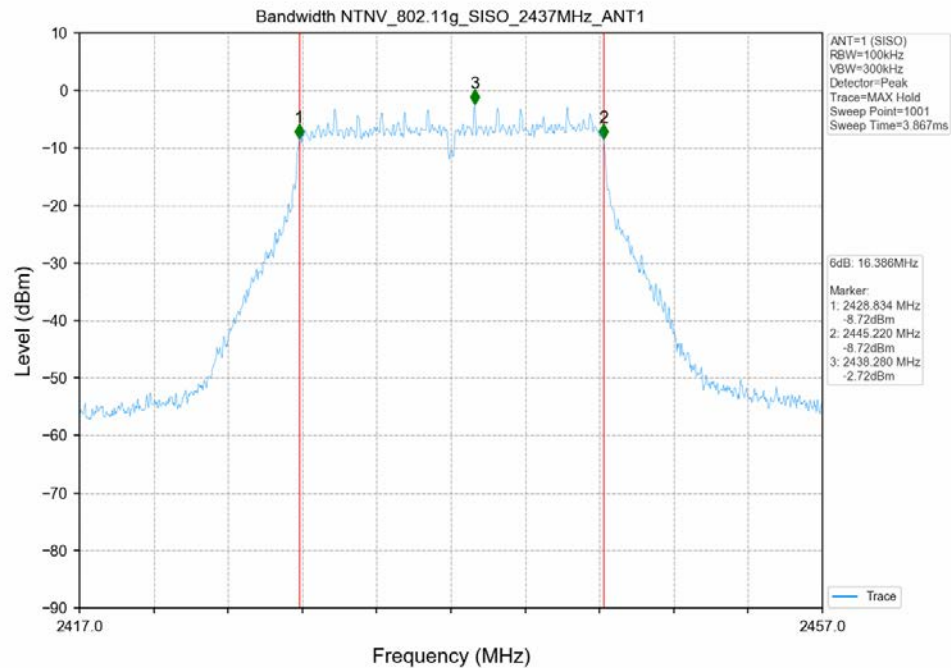
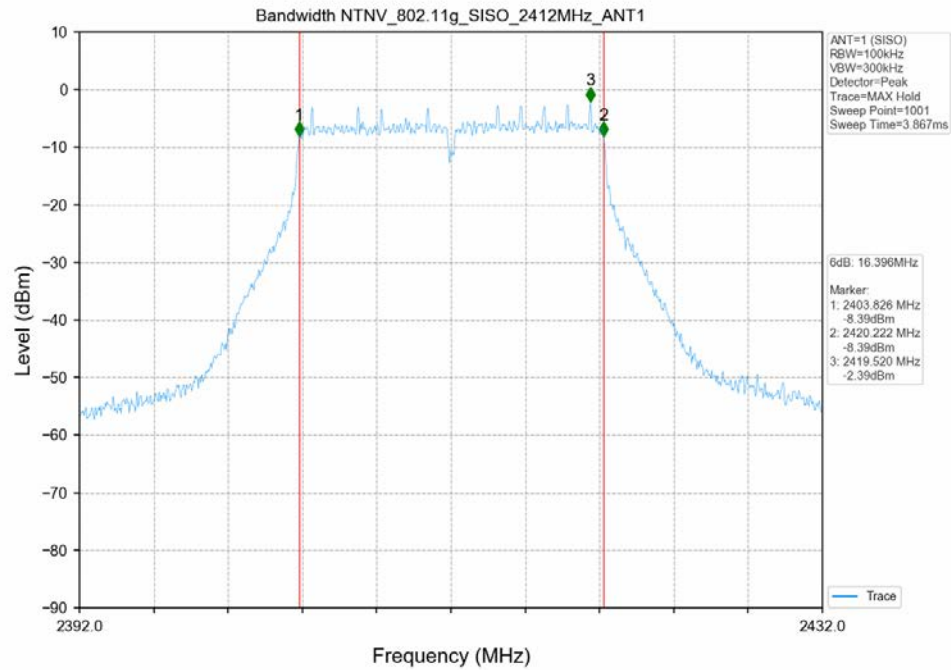
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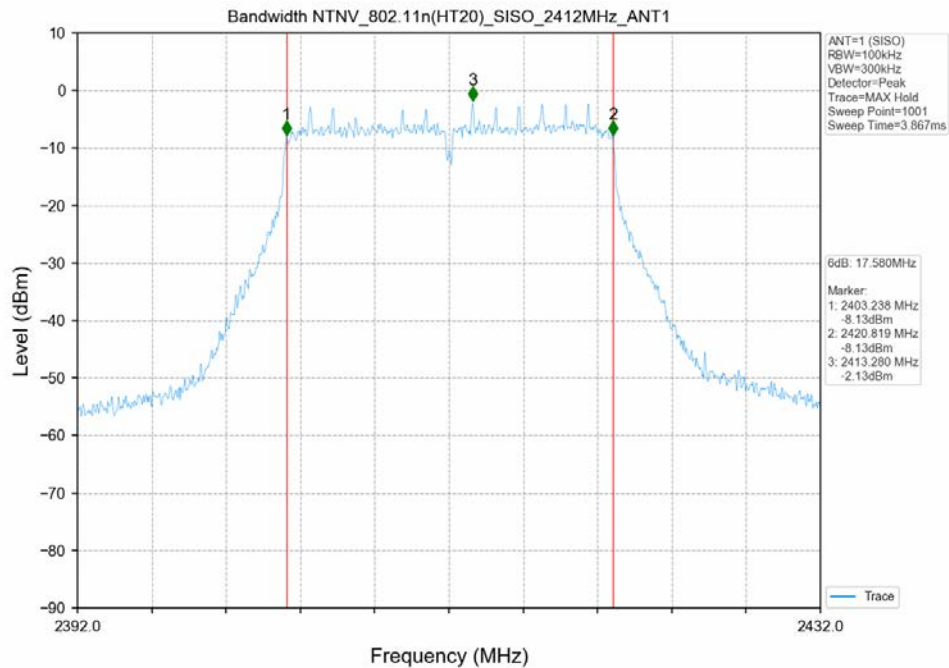
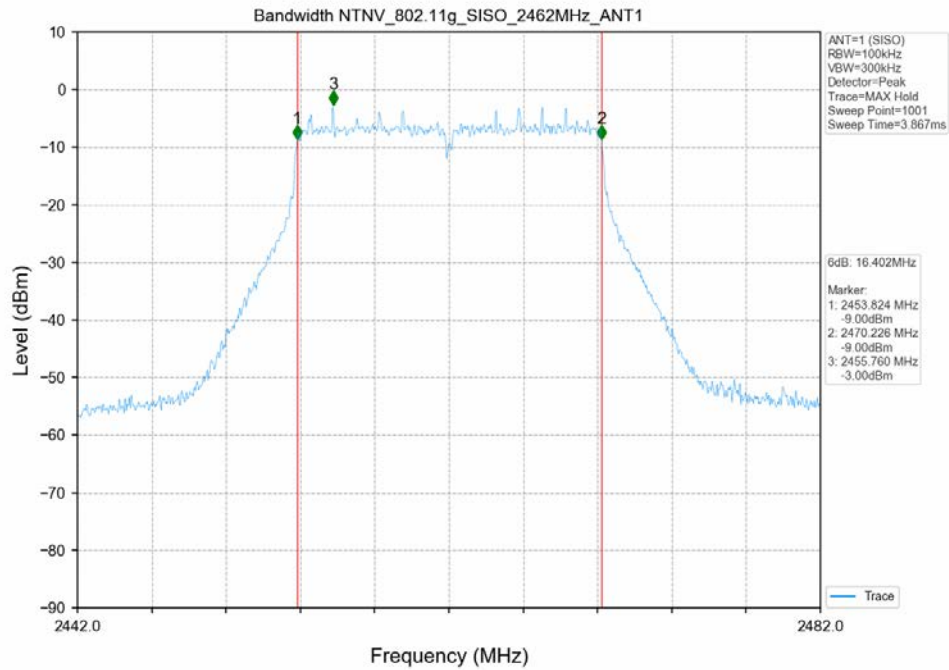
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.428	Only for Report Use
	2437	SISO	1	13.418	Only for Report Use
	2462	SISO	1	13.377	Only for Report Use
802.11g	2412	SISO	1	16.857	Only for Report Use
	2437	SISO	1	16.890	Only for Report Use
	2462	SISO	1	16.791	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.864	Only for Report Use
	2437	SISO	1	17.839	Only for Report Use
	2462	SISO	1	17.982	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.690	Only for Report Use
	2437	SISO	1	36.575	Only for Report Use
	2452	SISO	1	36.564	Only for Report Use

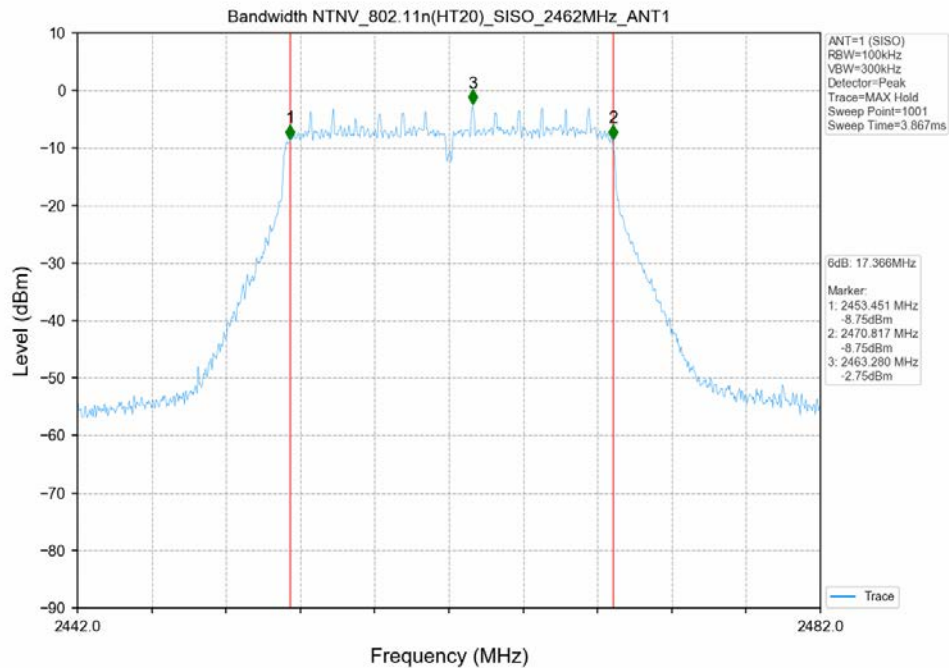
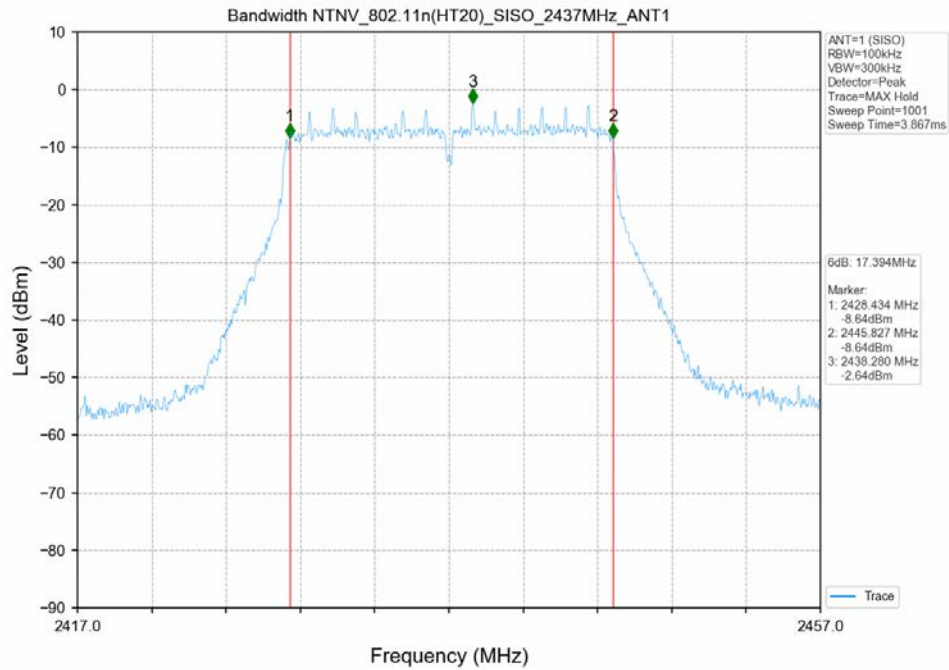
2.2 Test Graph - 6dB Bandwidth





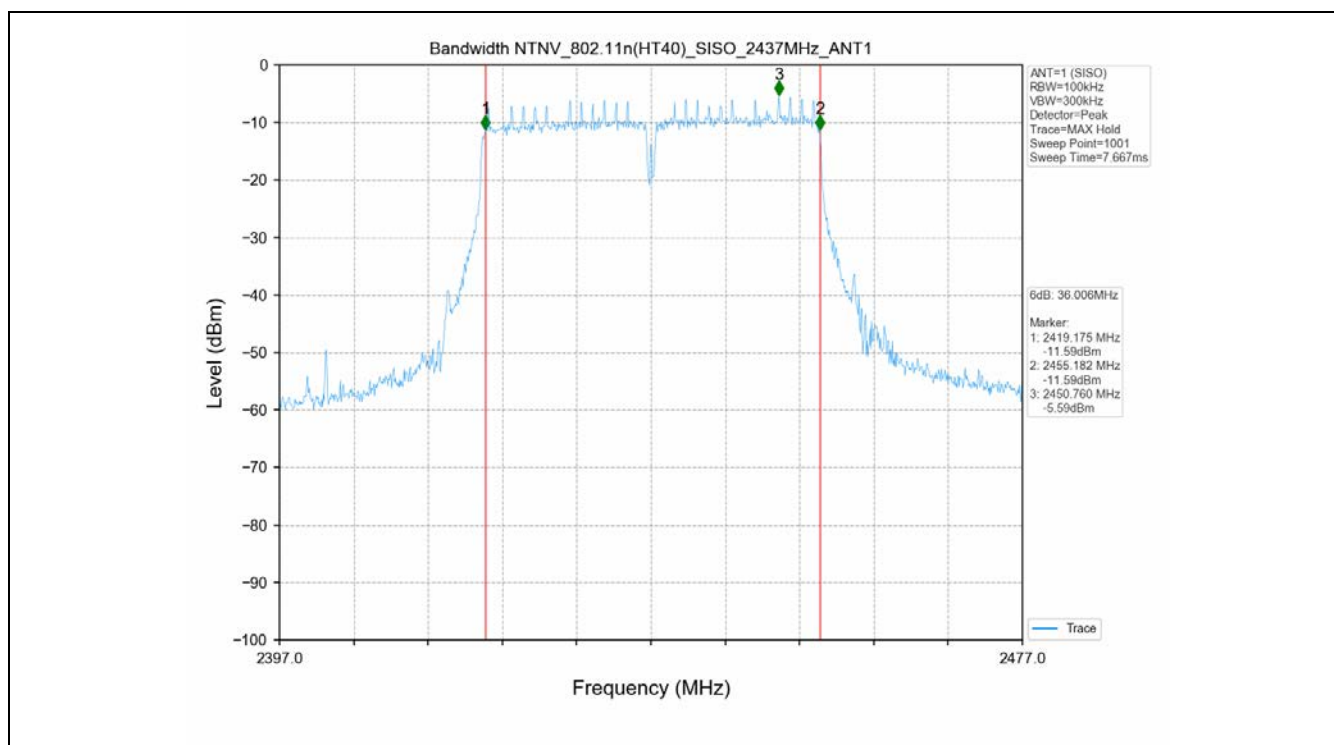
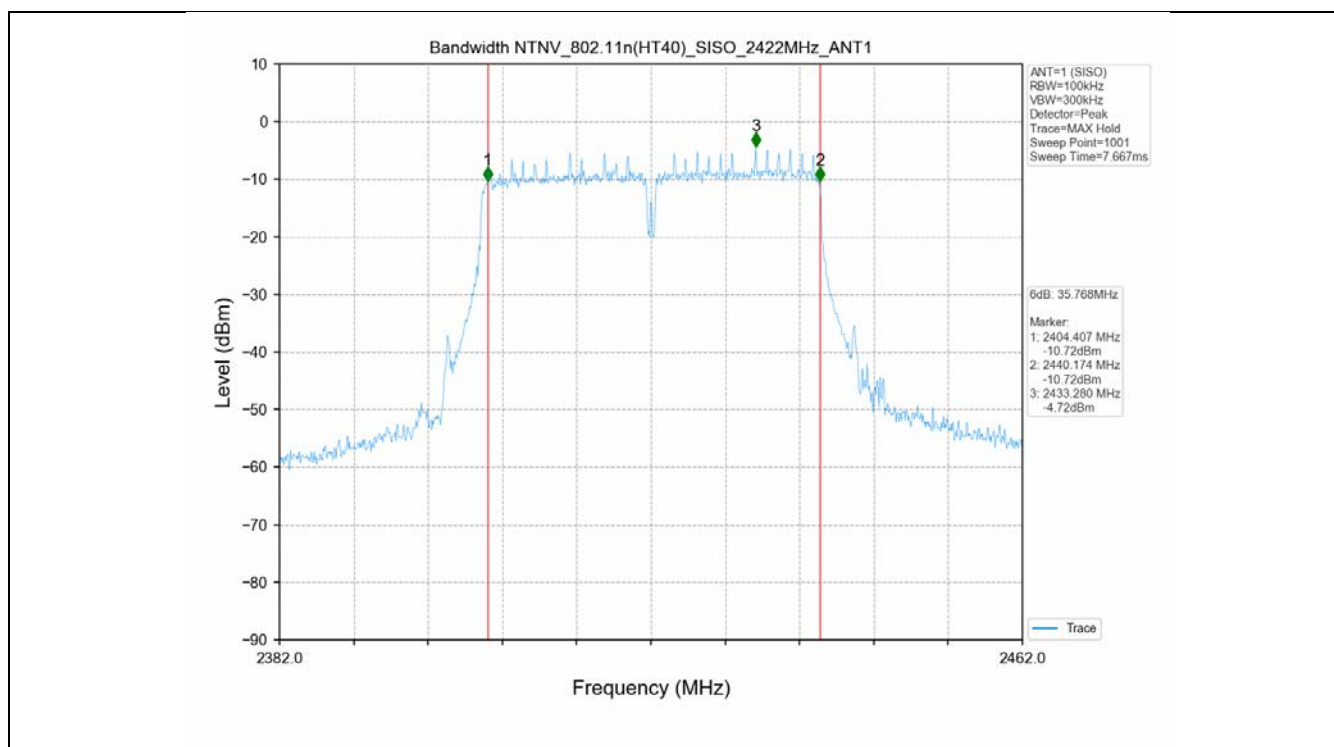






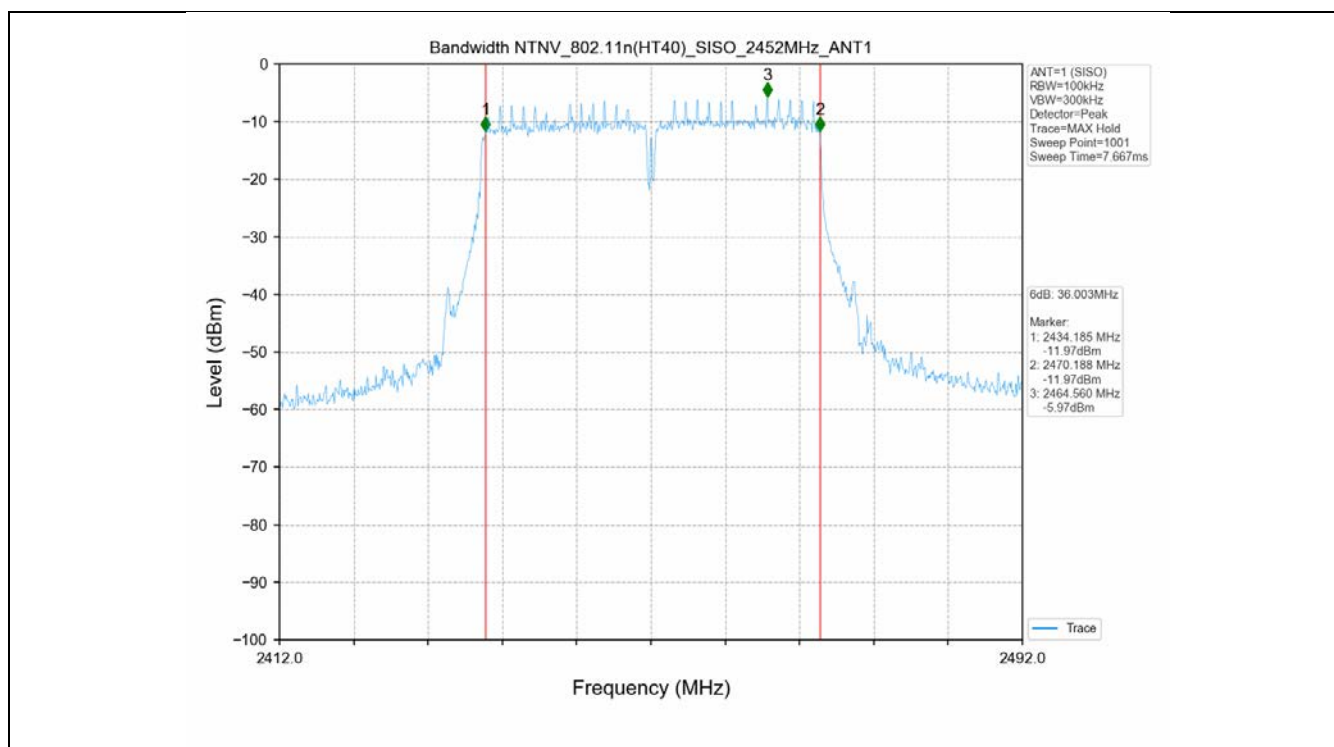


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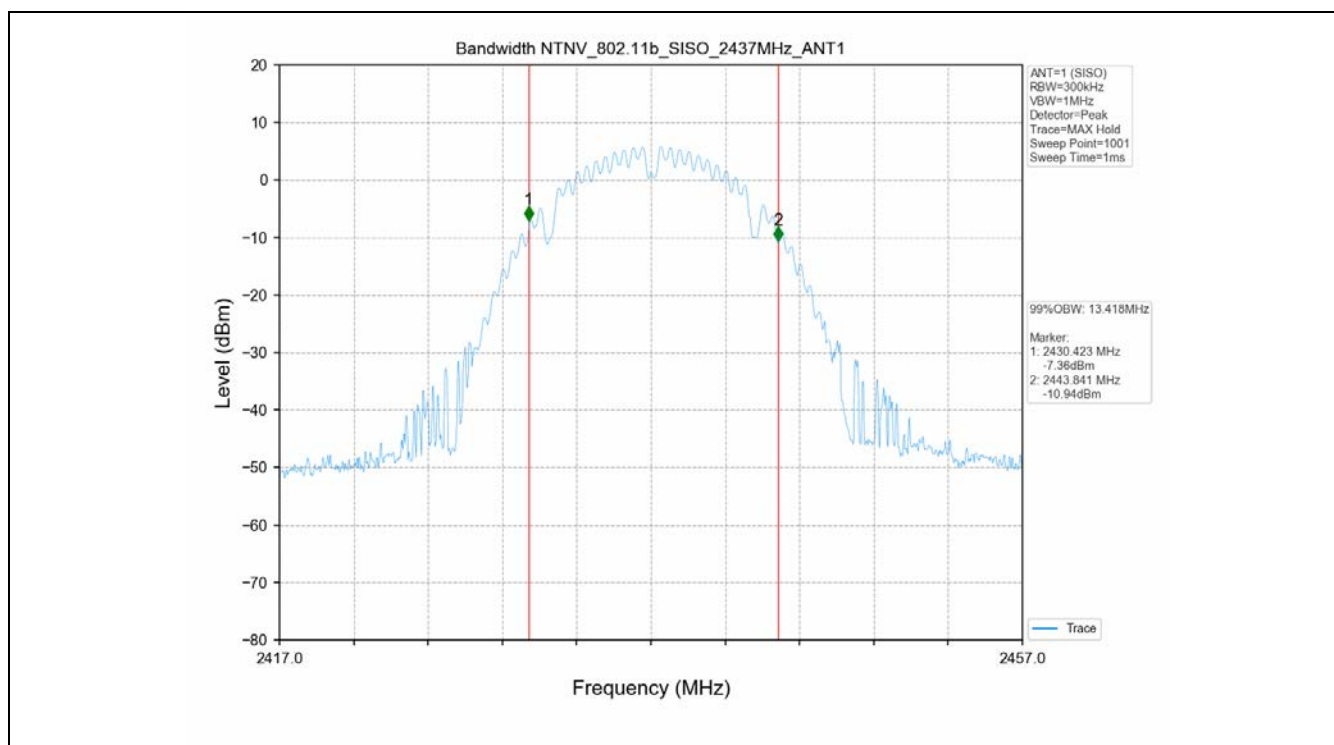
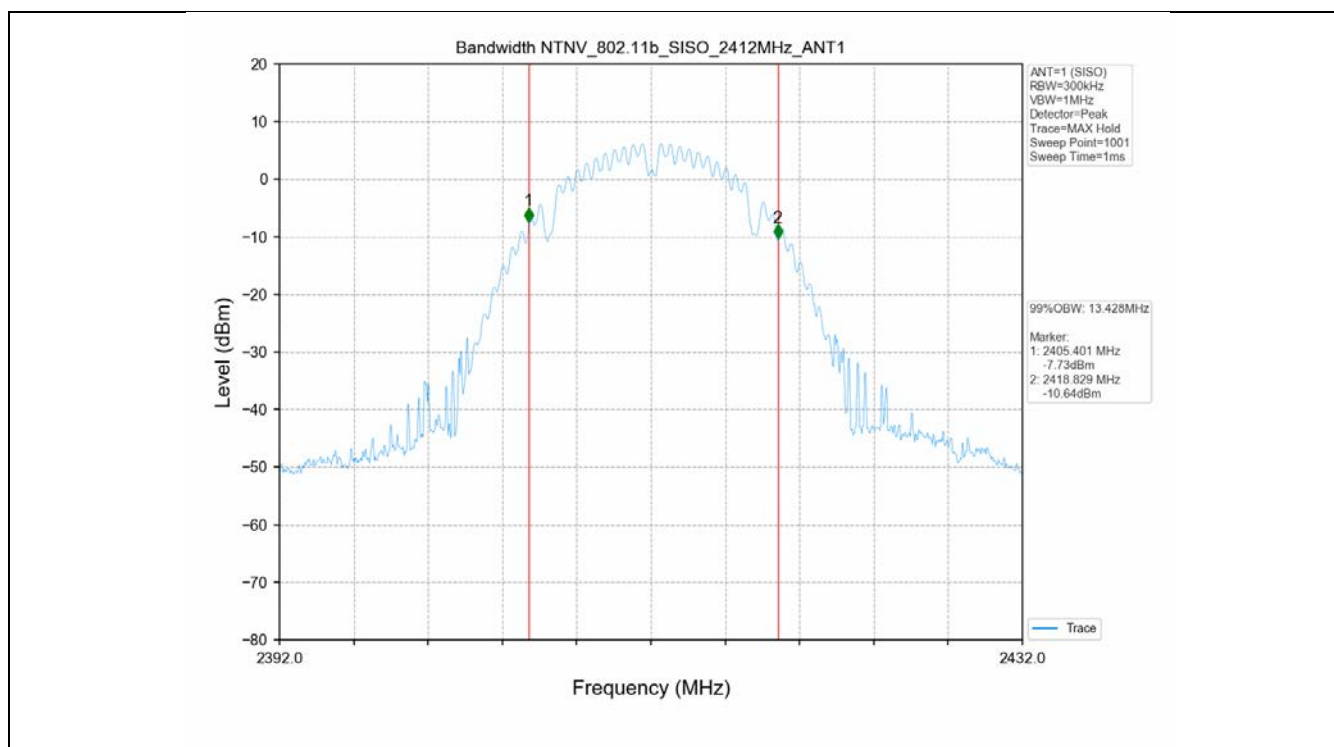
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2.3 Test Graph - 99% Occupied Bandwidth

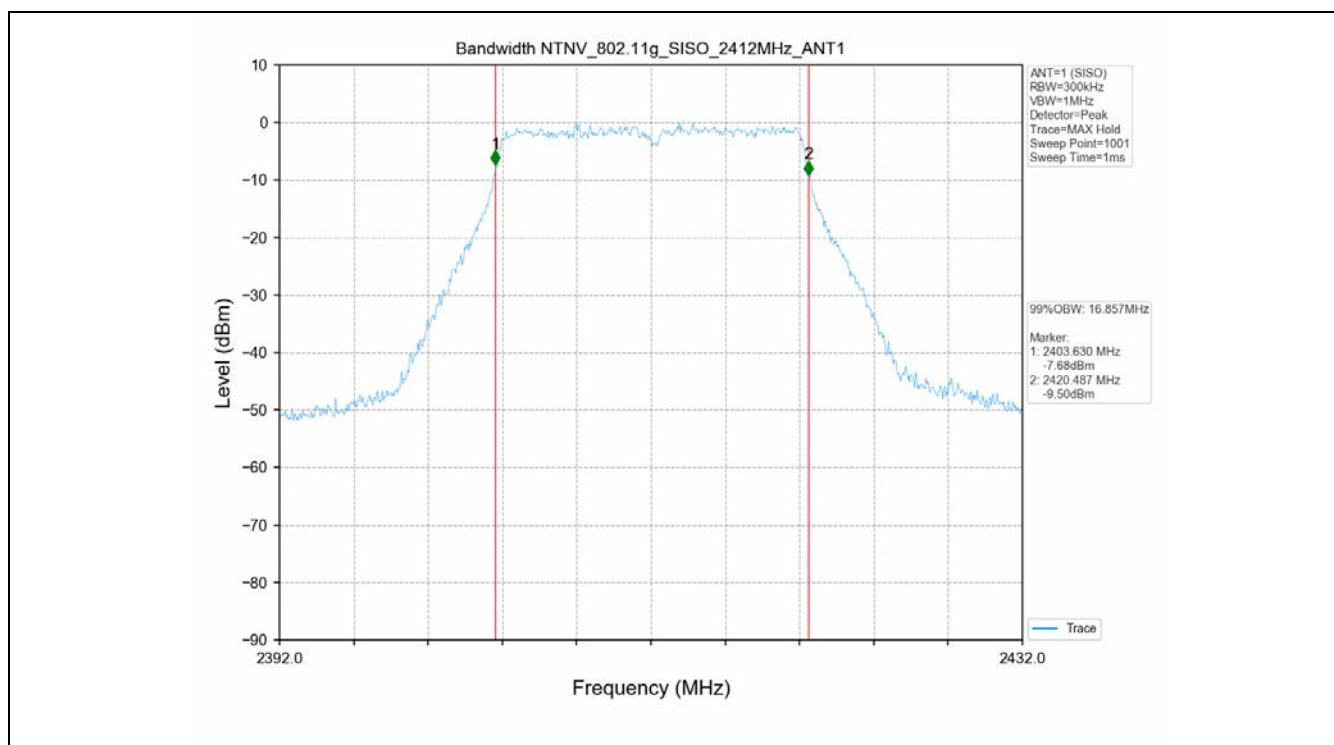
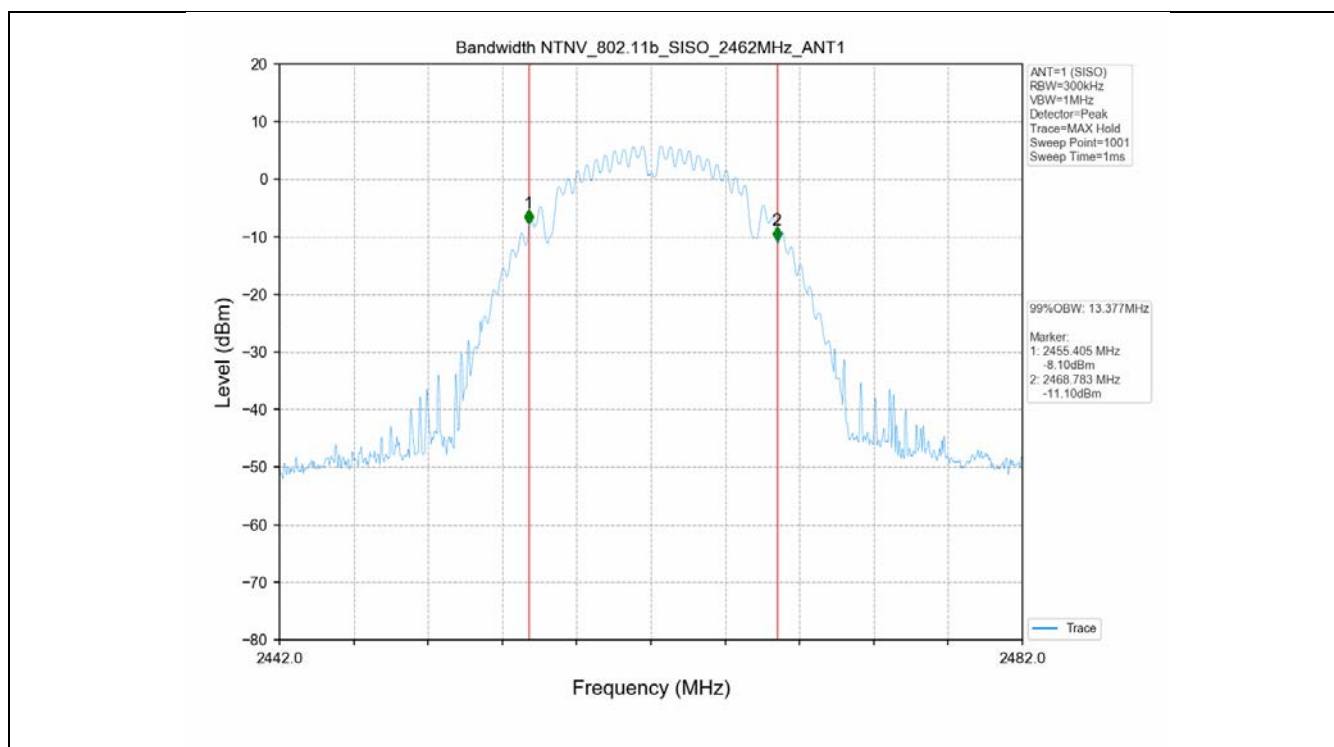


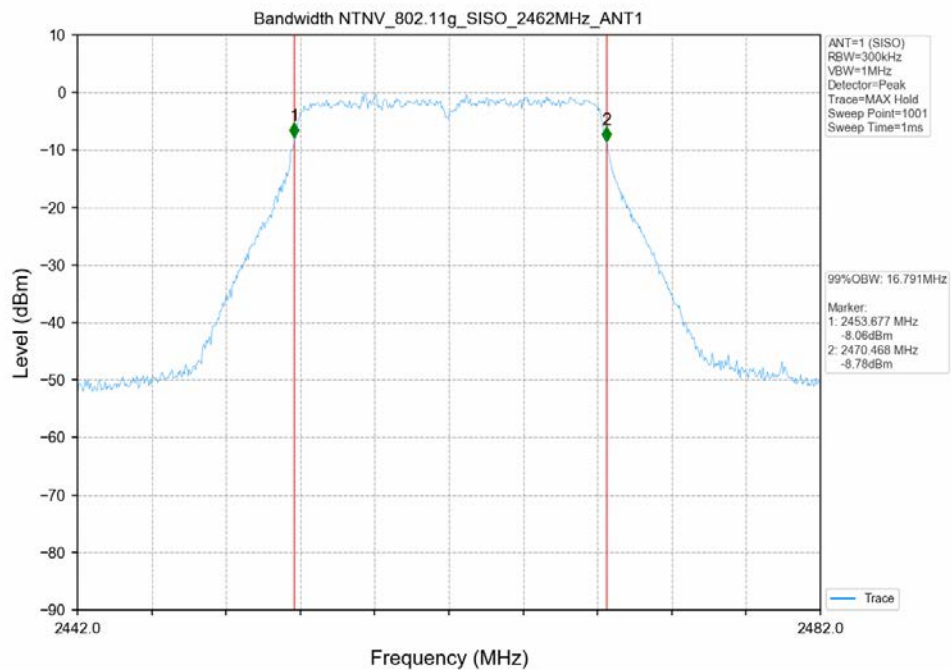
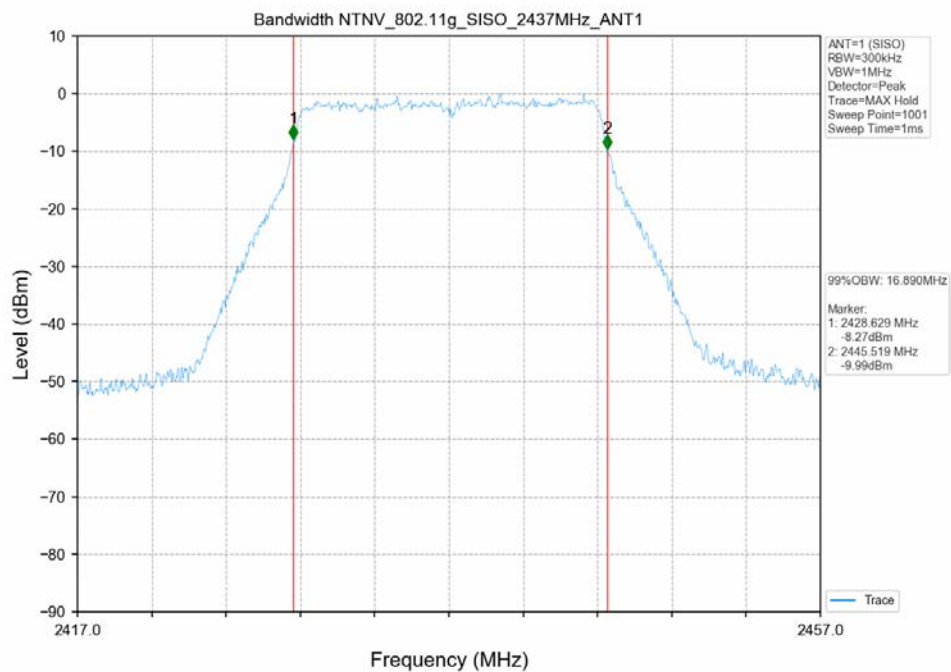
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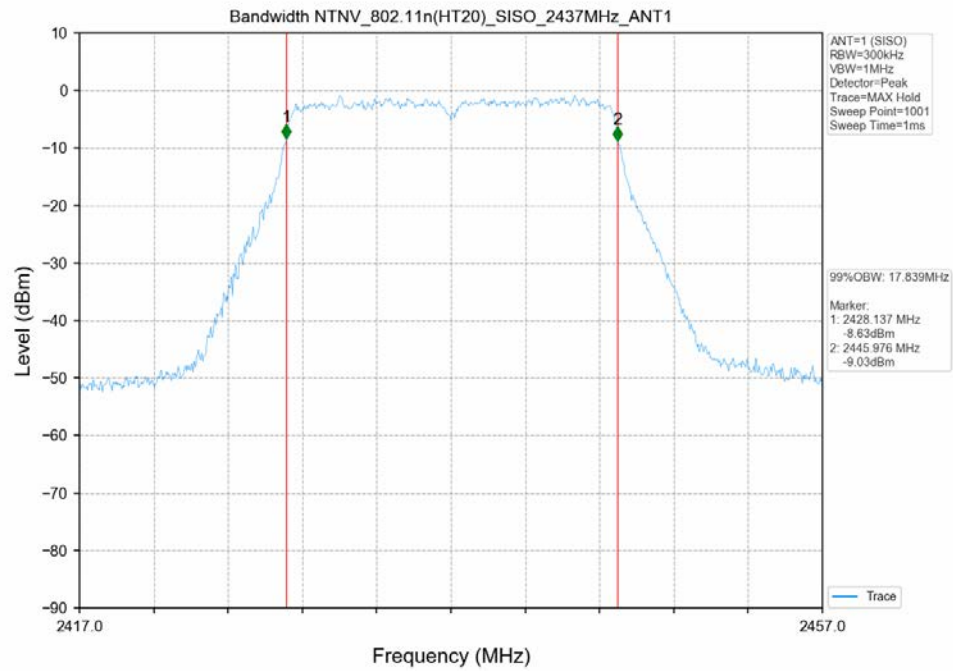
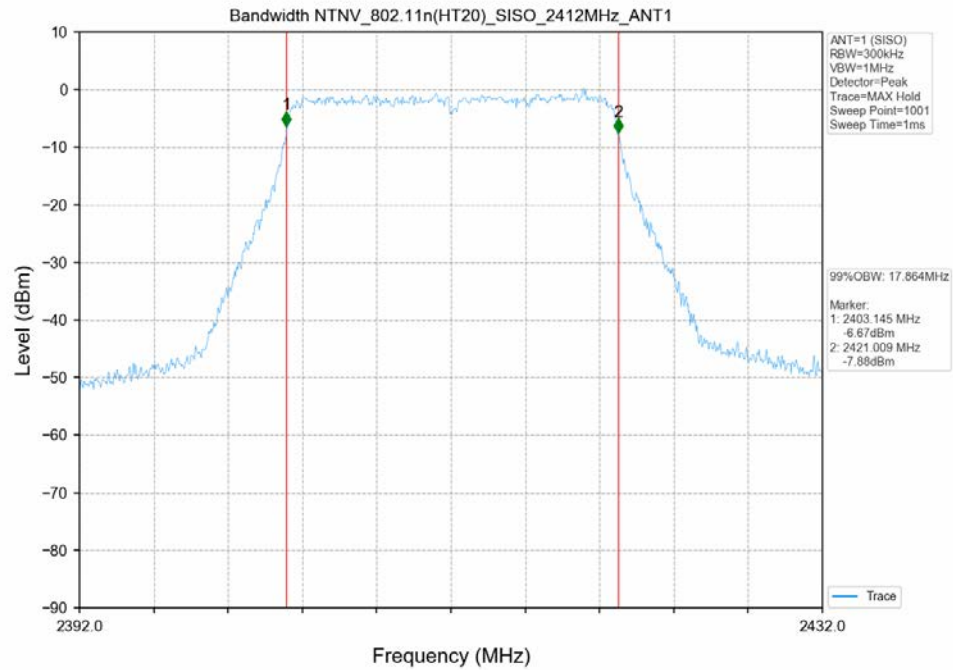




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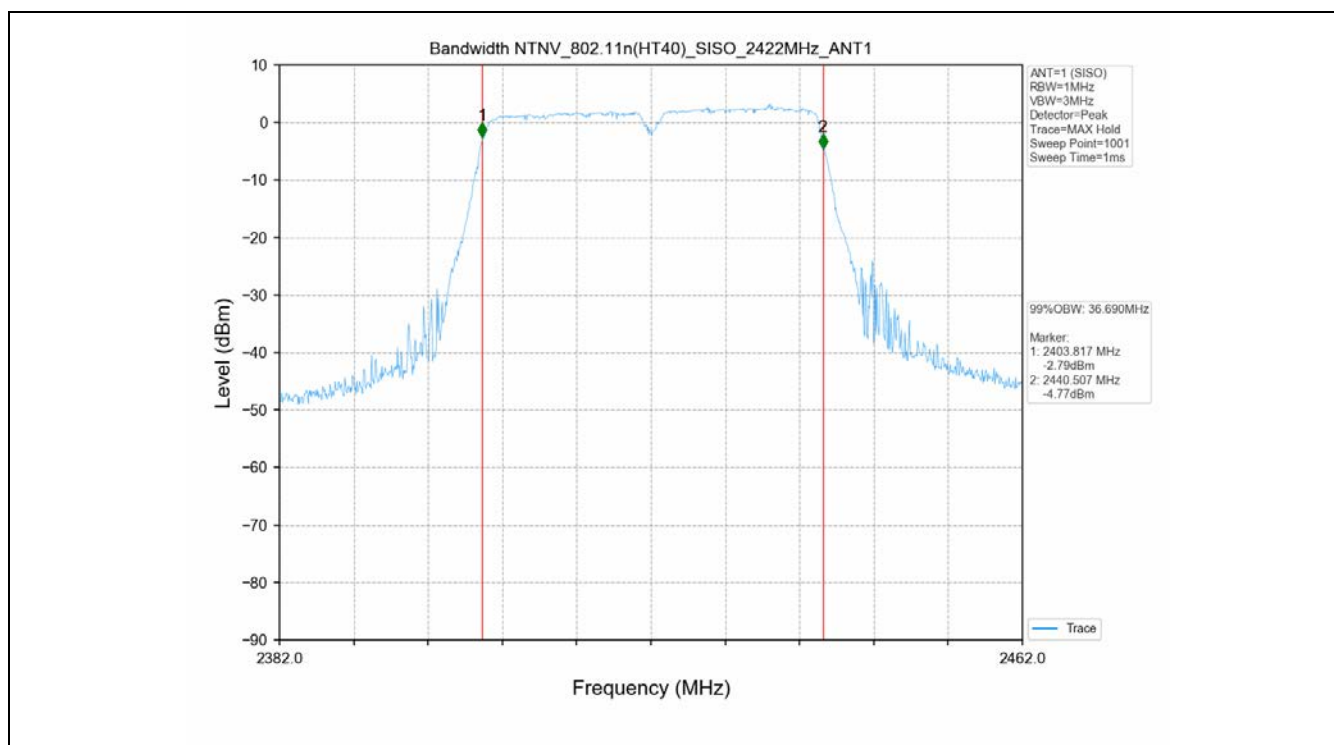
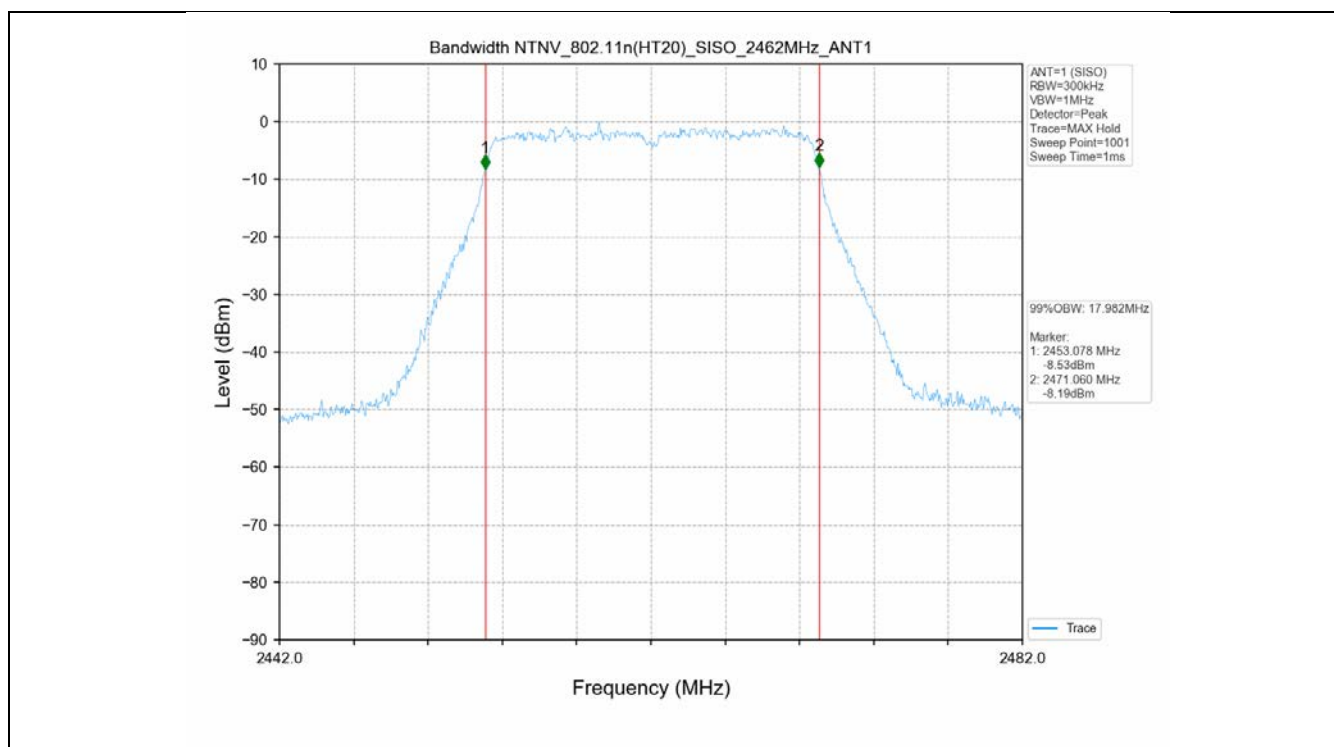






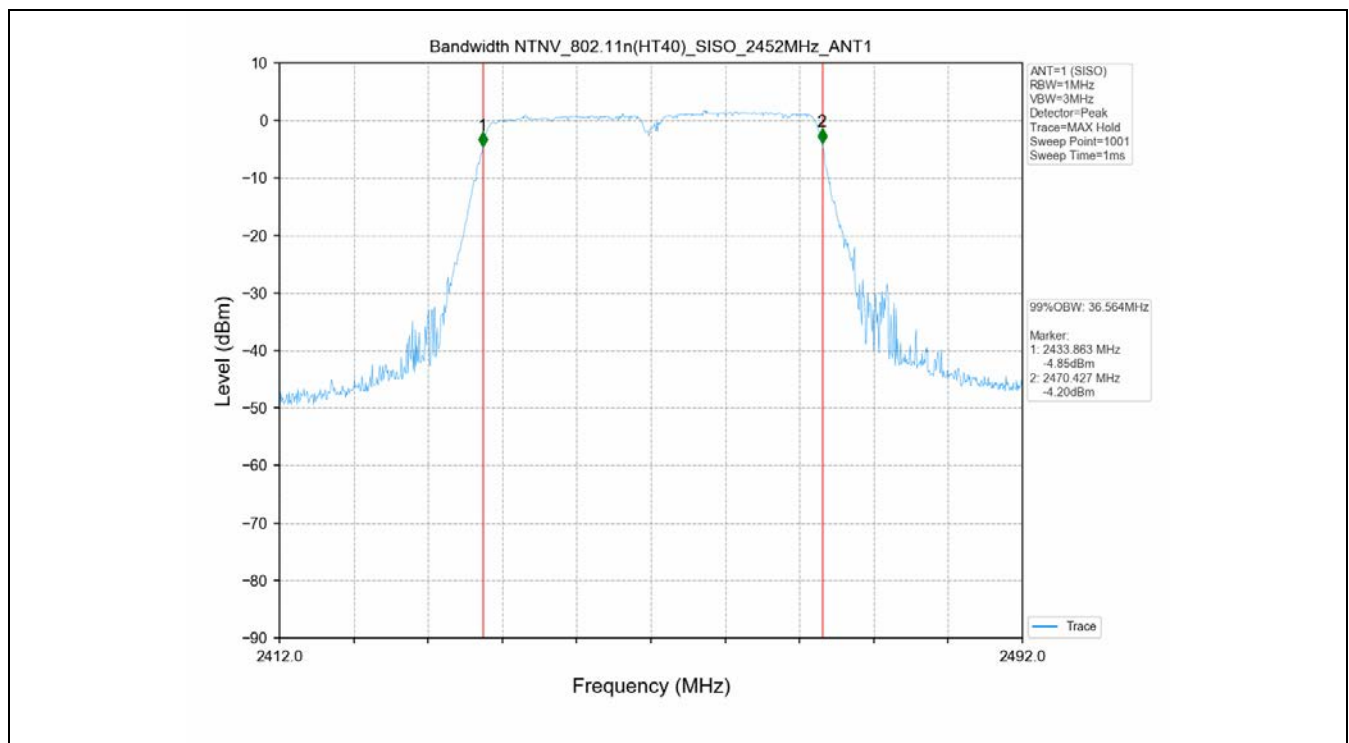
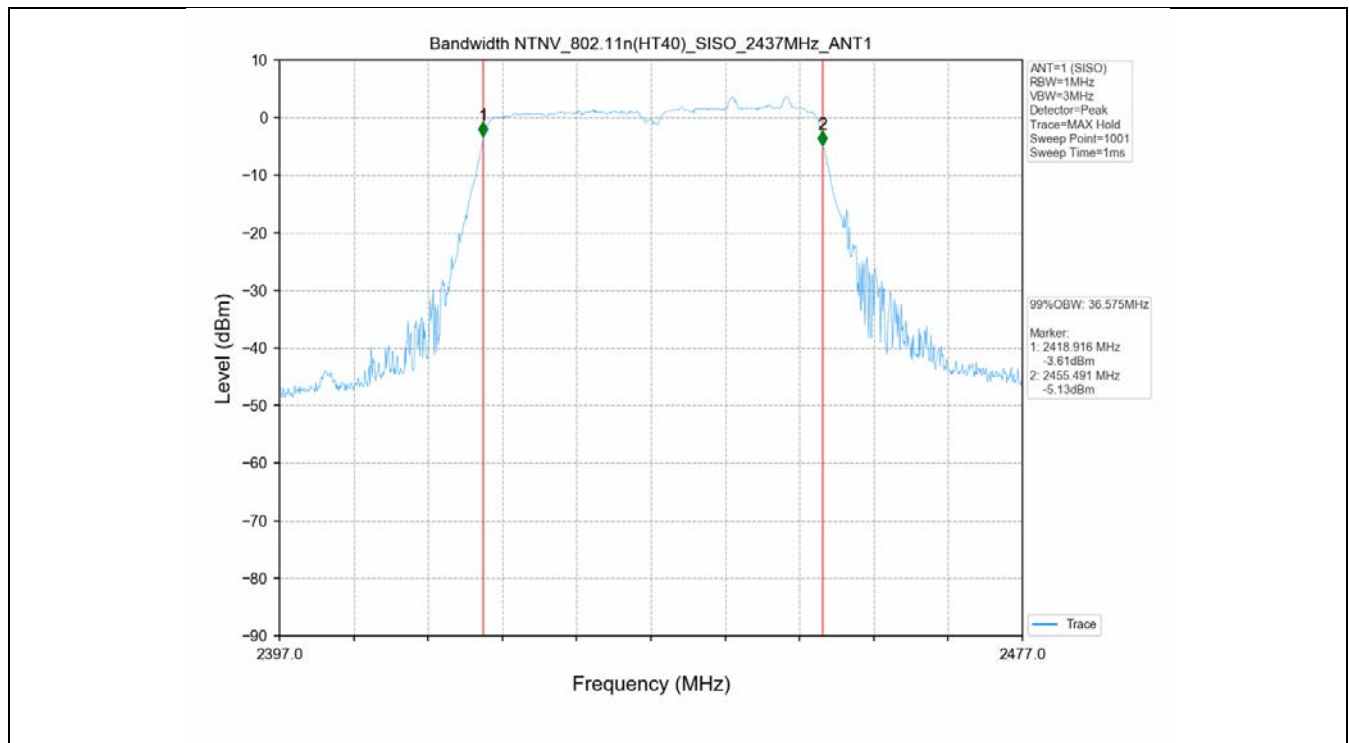


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3. Maximum Conducted Output Power

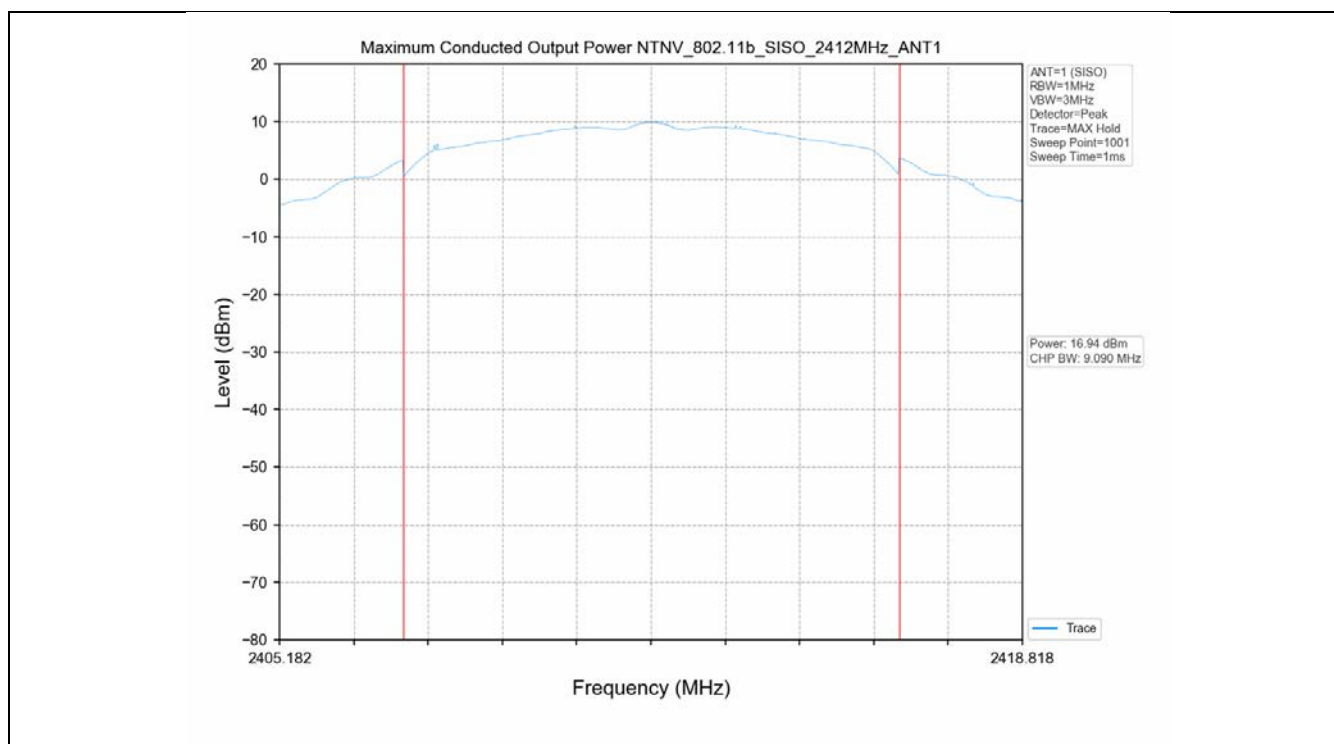


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3.1 Test Result

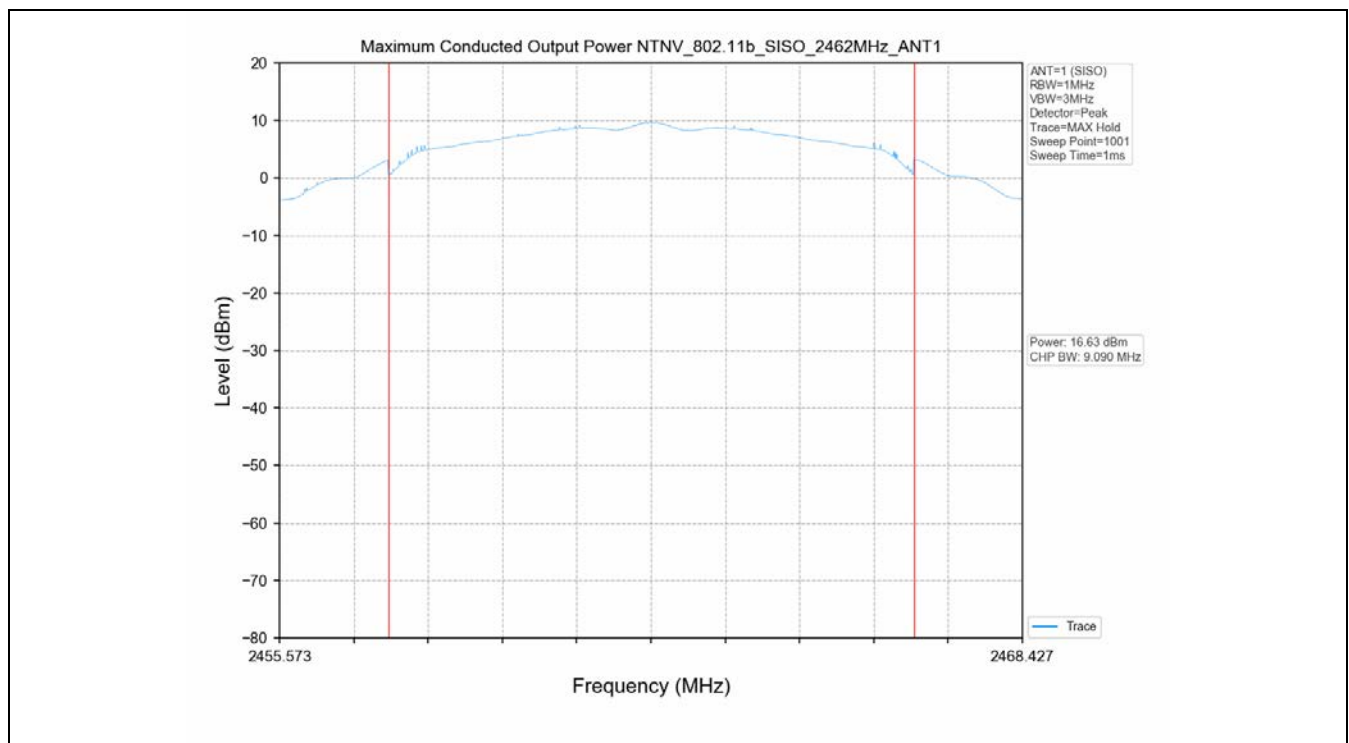
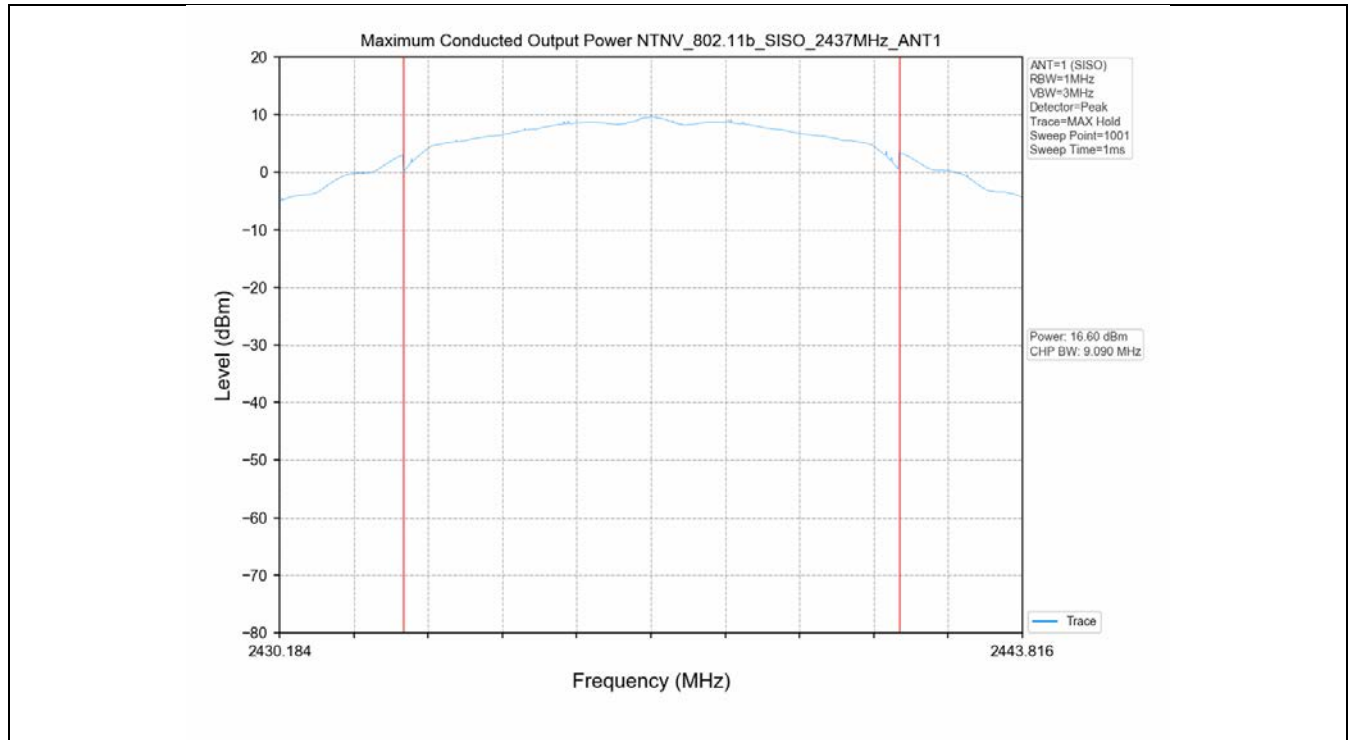
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	16.94	30	PASS
	2437	SISO	16.60	30	PASS
	2462	SISO	16.63	30	PASS
802.11g	2412	SISO	16.44	30	PASS
	2437	SISO	16.13	30	PASS
	2462	SISO	16.17	30	PASS
802.11n(HT20)	2412	SISO	16.51	30	PASS
	2437	SISO	16.14	30	PASS
	2462	SISO	16.07	30	PASS
802.11n(HT40)	2422	SISO	16.70	30	PASS
	2437	SISO	16.16	30	PASS
	2452	SISO	15.77	30	PASS

3.2 Test Graph



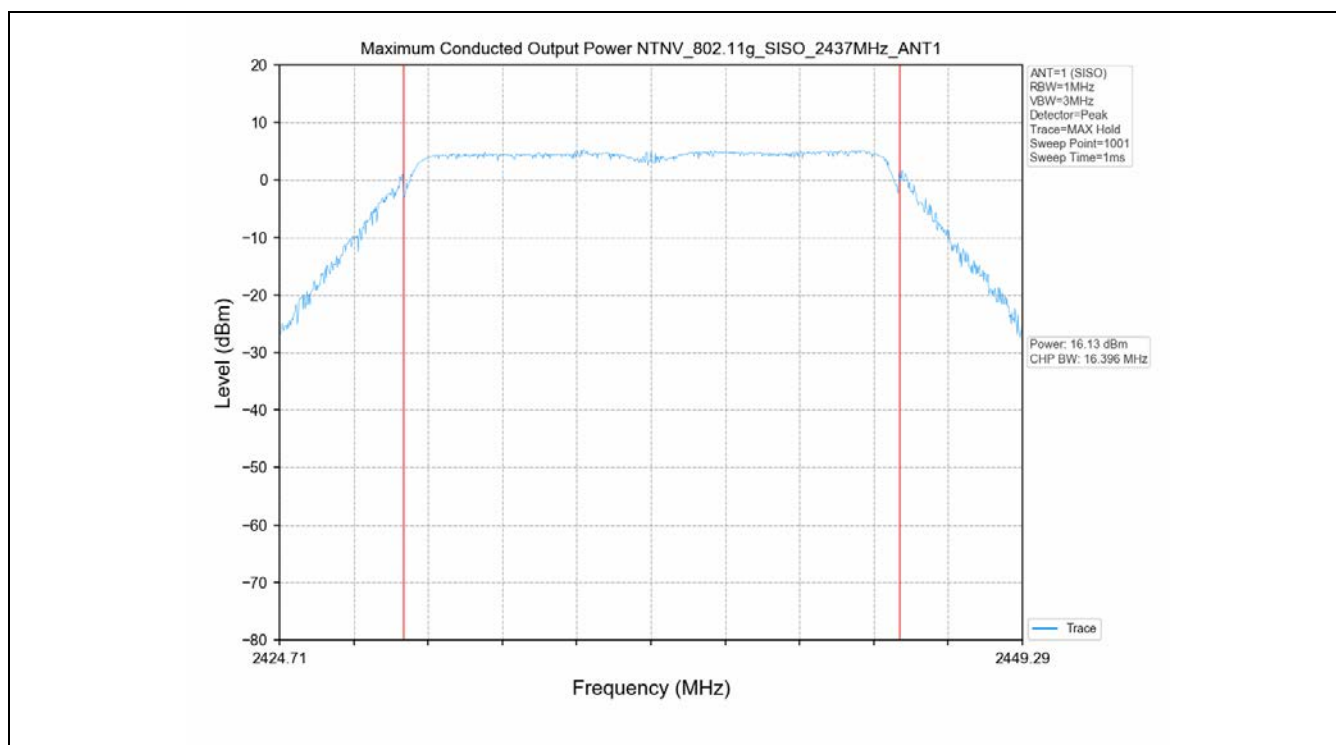
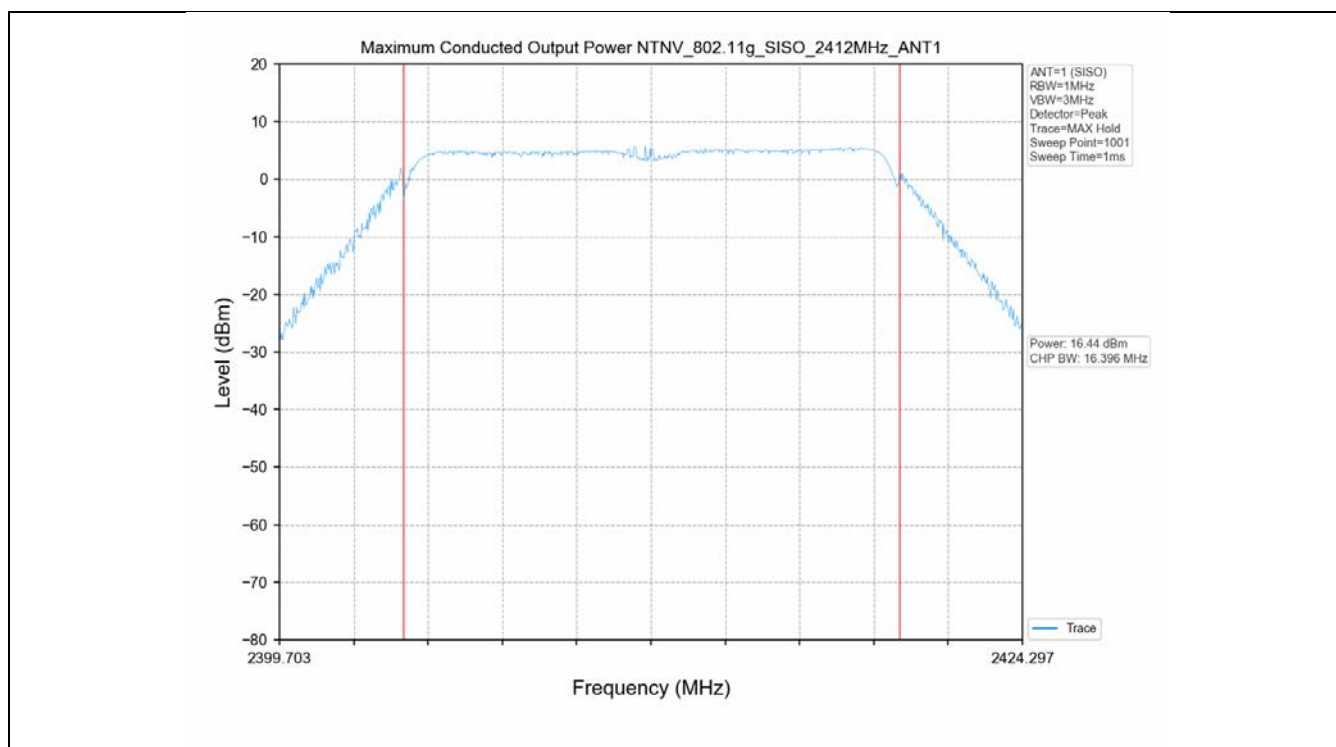


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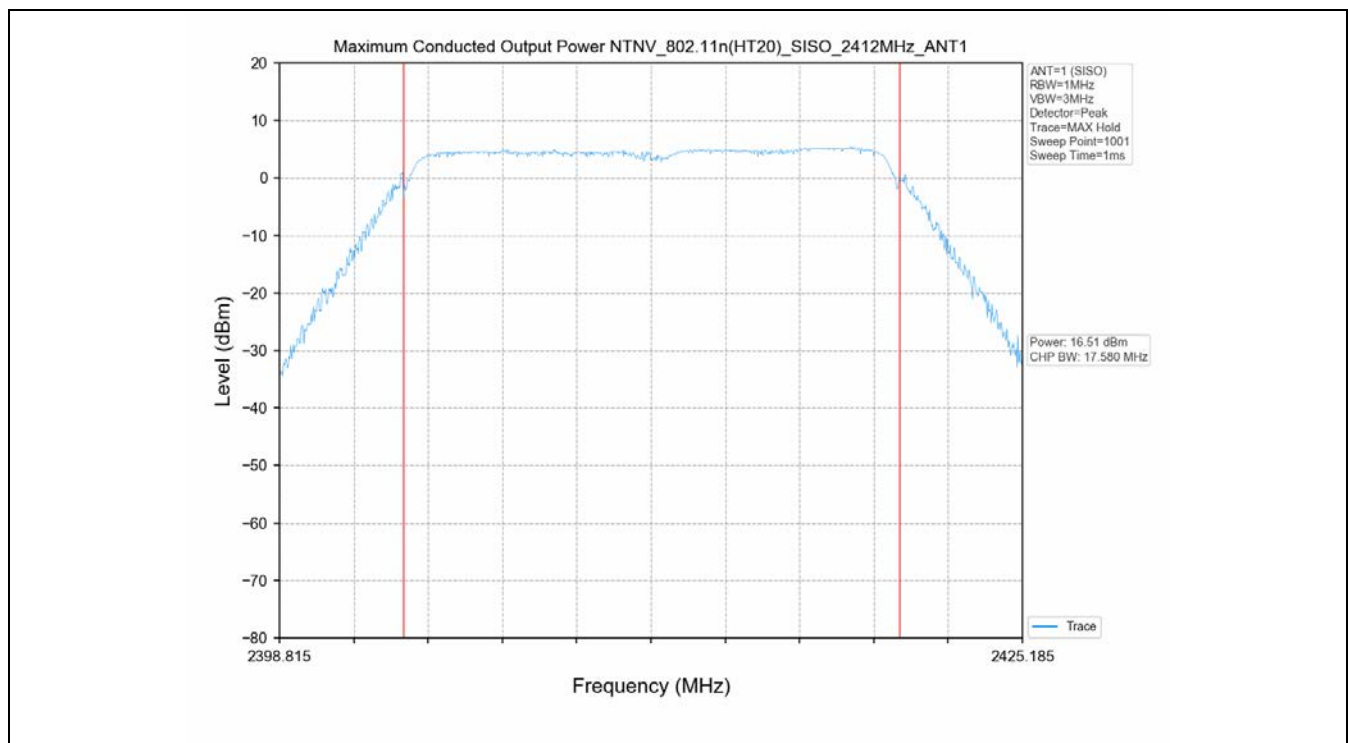
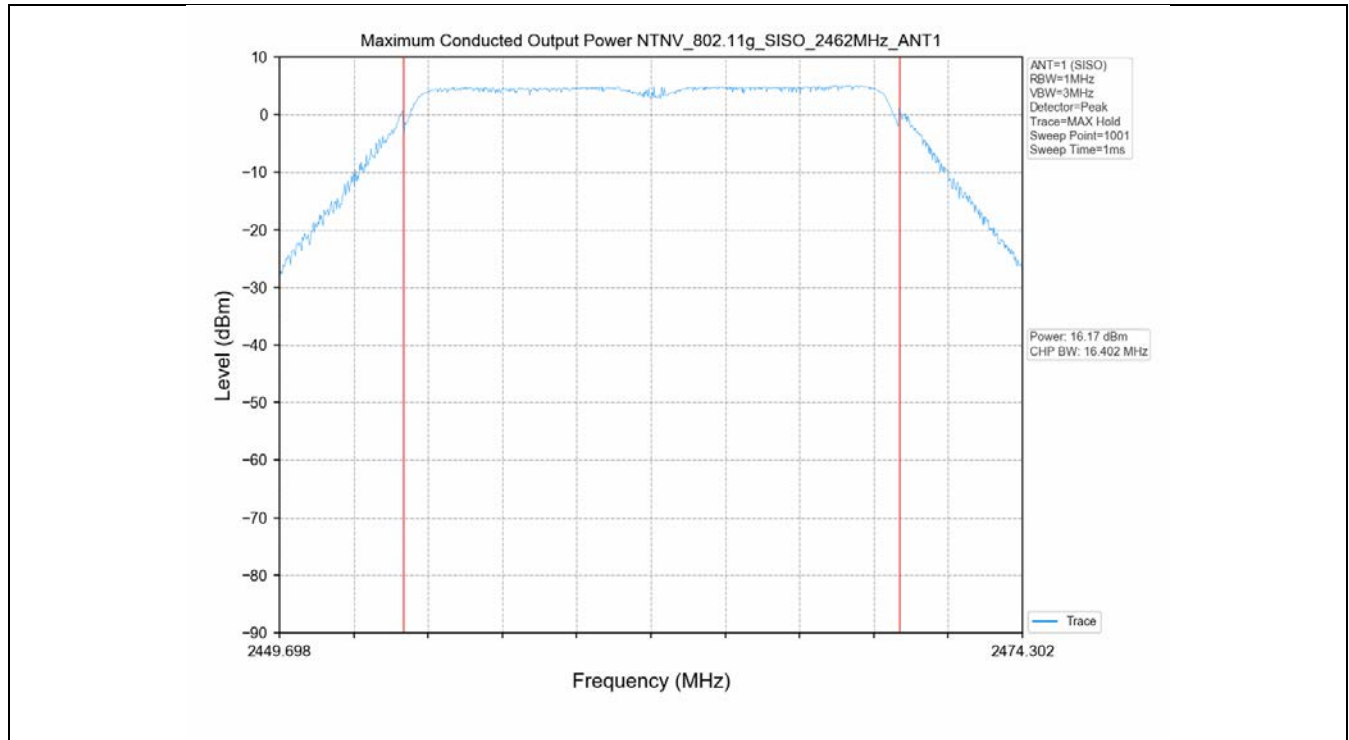


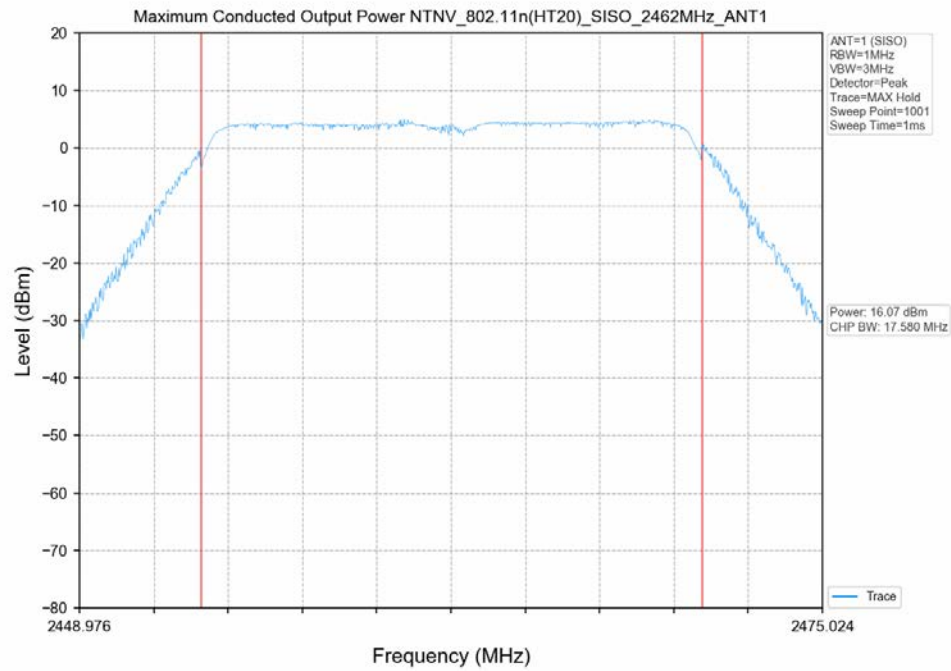
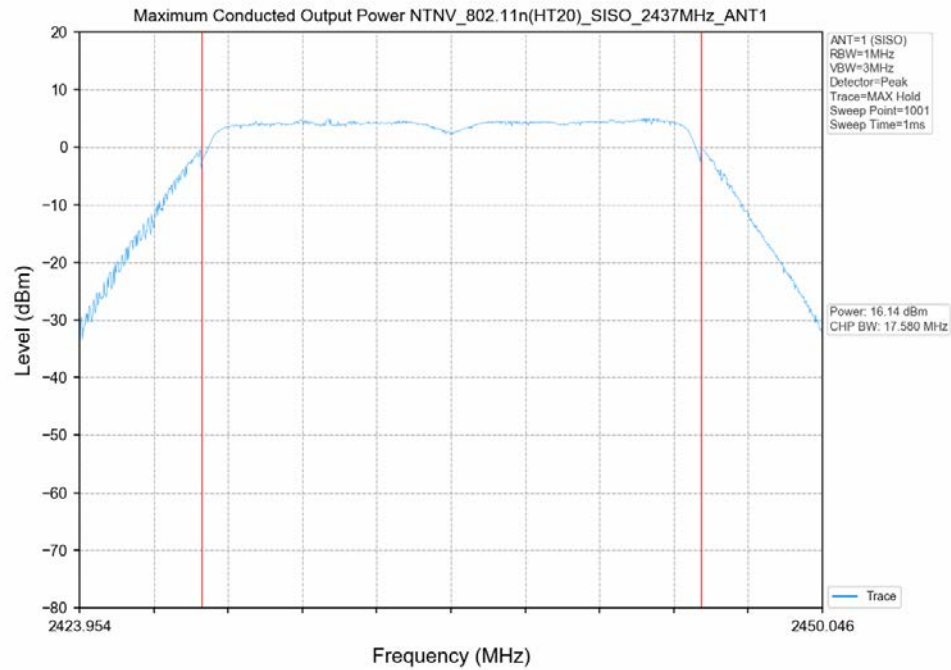
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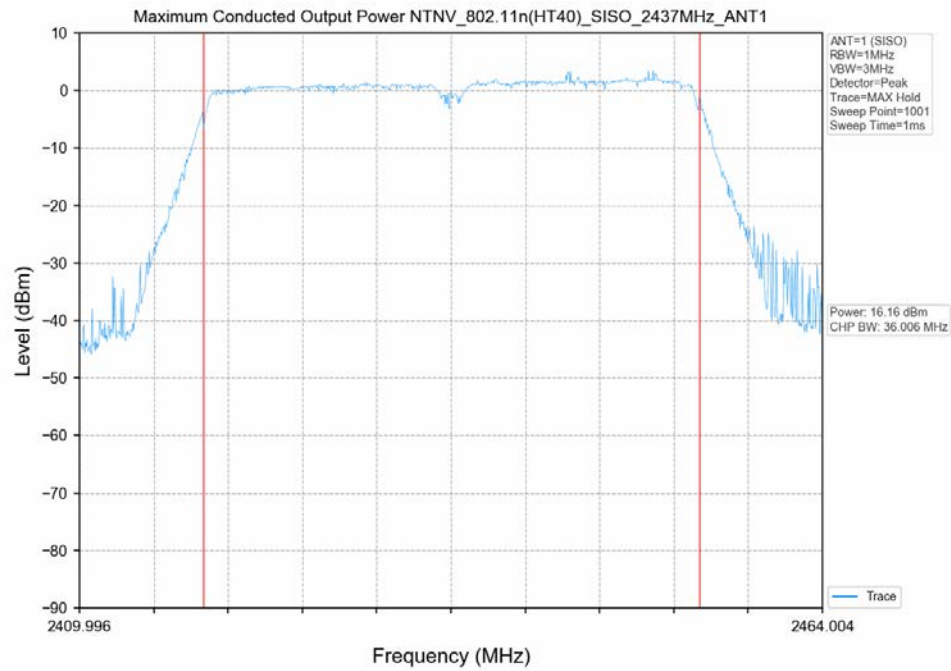
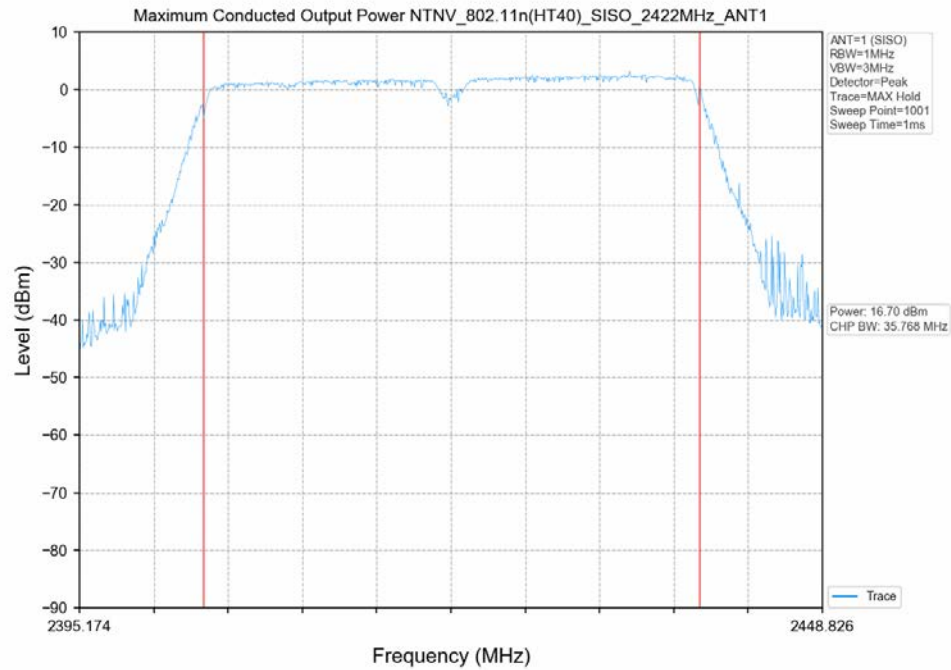


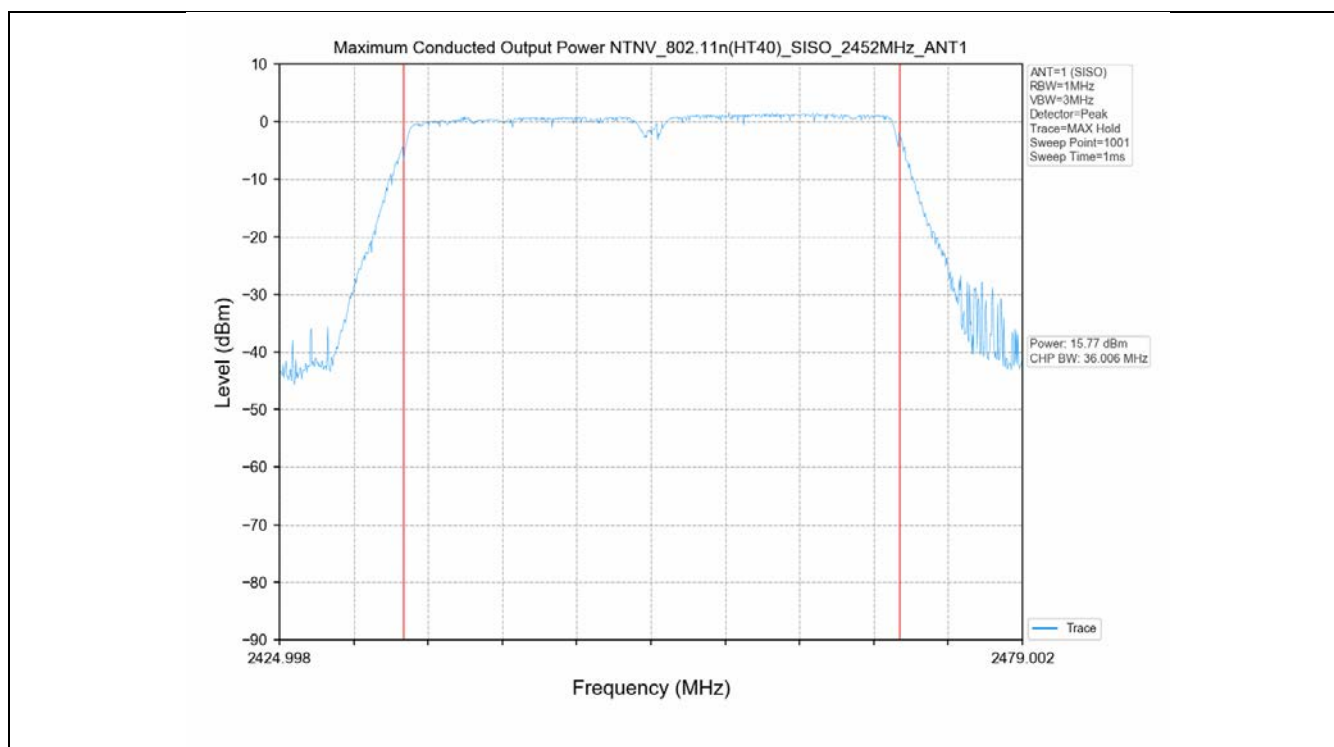


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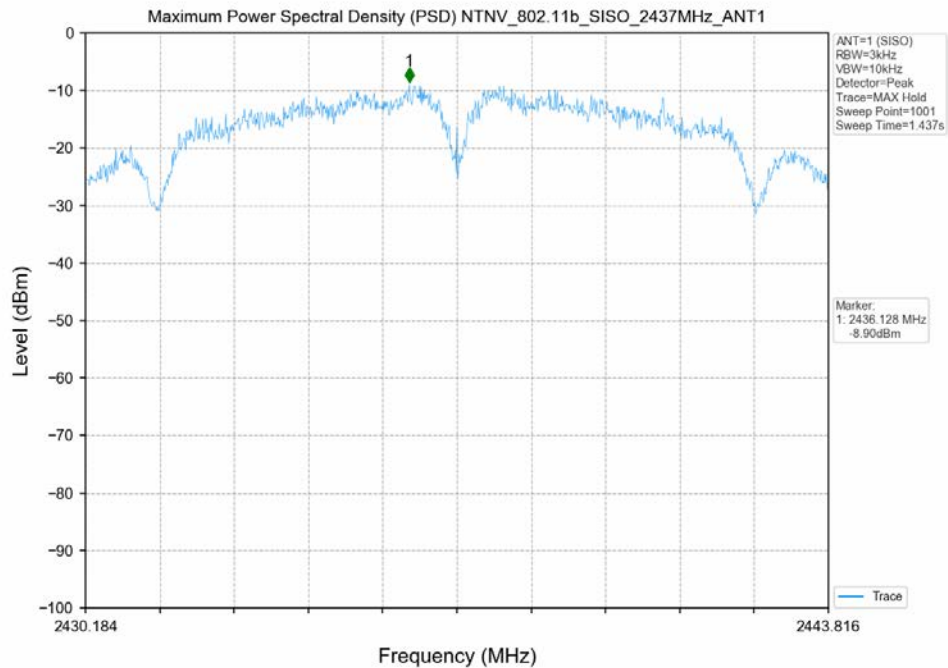
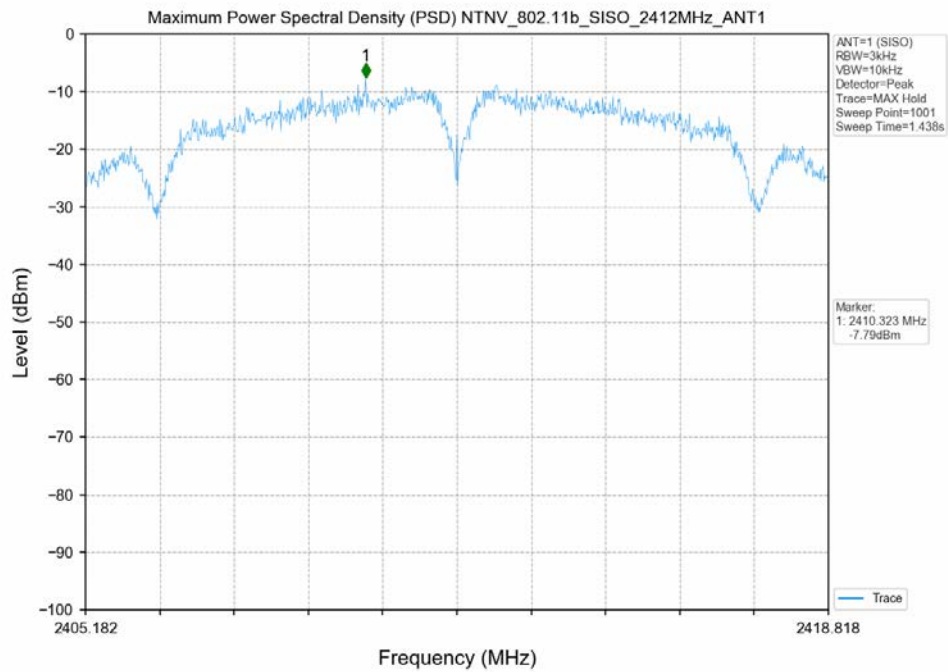


4. Maximum Power Spectral Density (PSD)

4.1 Test Result

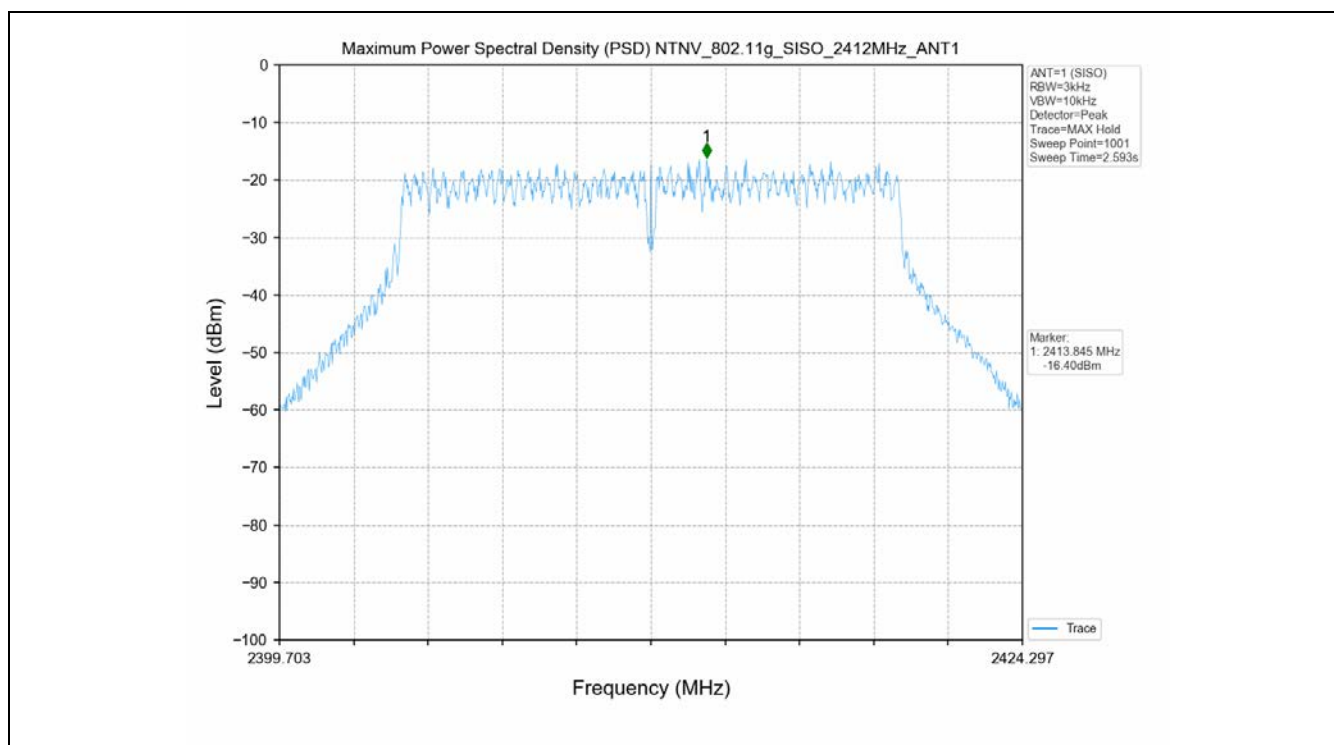
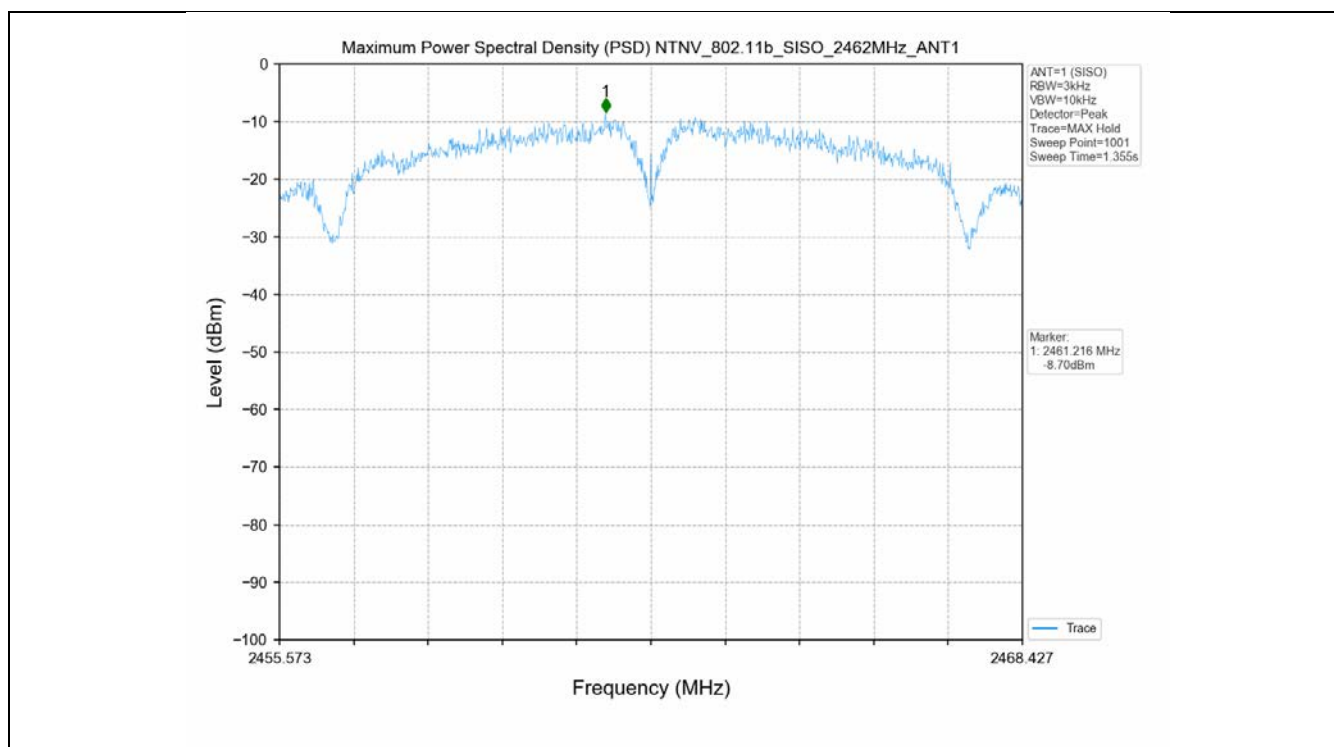
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-7.79	≤ 8	PASS
	2437	SISO	-8.90	≤ 8	PASS
	2462	SISO	-8.70	≤ 8	PASS
802.11g	2412	SISO	-16.40	≤ 8	PASS
	2437	SISO	-15.72	≤ 8	PASS
	2462	SISO	-15.21	≤ 8	PASS
802.11n(HT20)	2412	SISO	-16.62	≤ 8	PASS
	2437	SISO	-16.28	≤ 8	PASS
	2462	SISO	-15.28	≤ 8	PASS
802.11n(HT40)	2422	SISO	-16.88	≤ 8	PASS
	2437	SISO	-16.14	≤ 8	PASS
	2452	SISO	-15.49	≤ 8	PASS

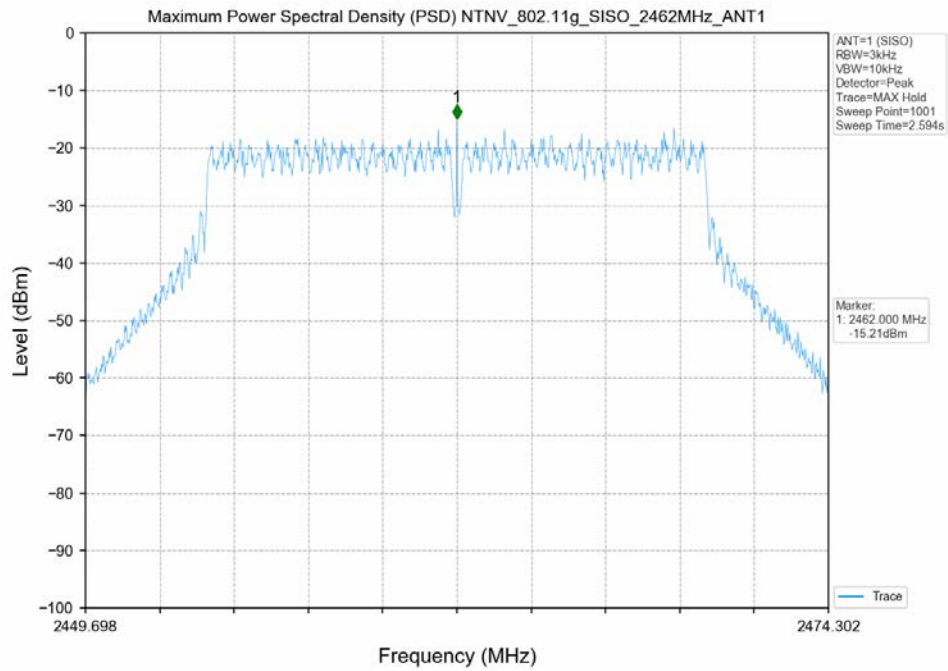
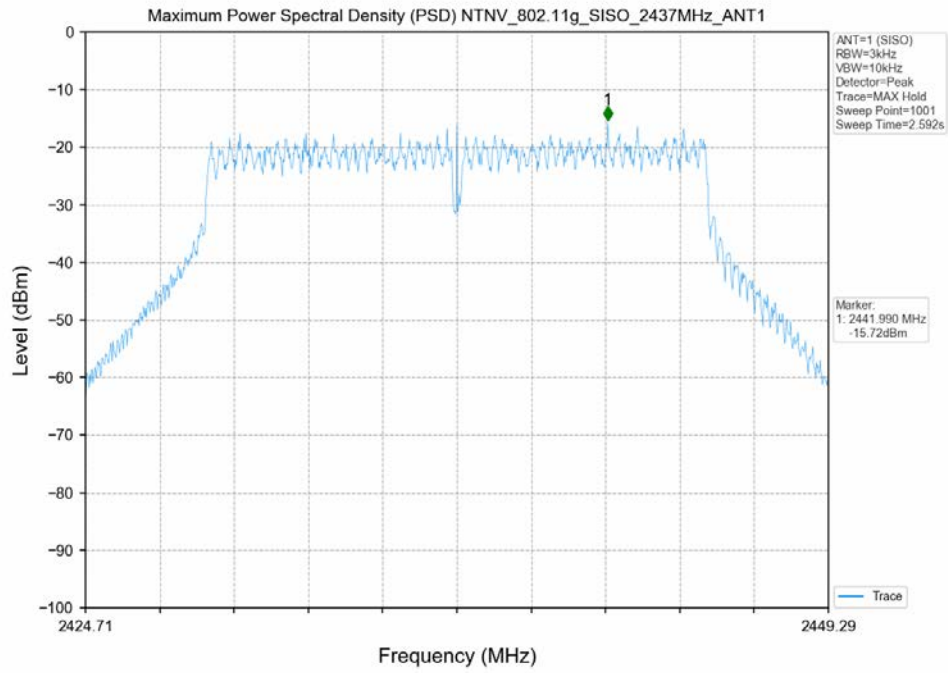
4.2 Test Graph





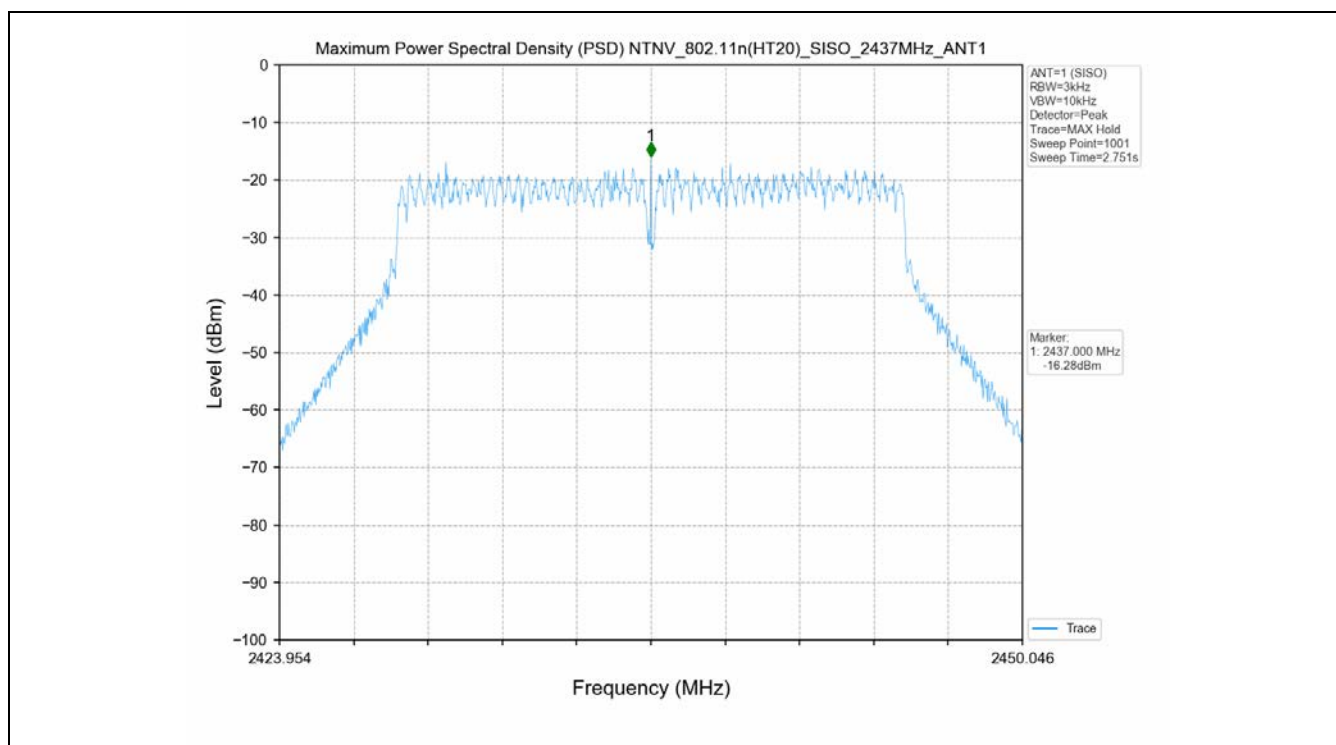
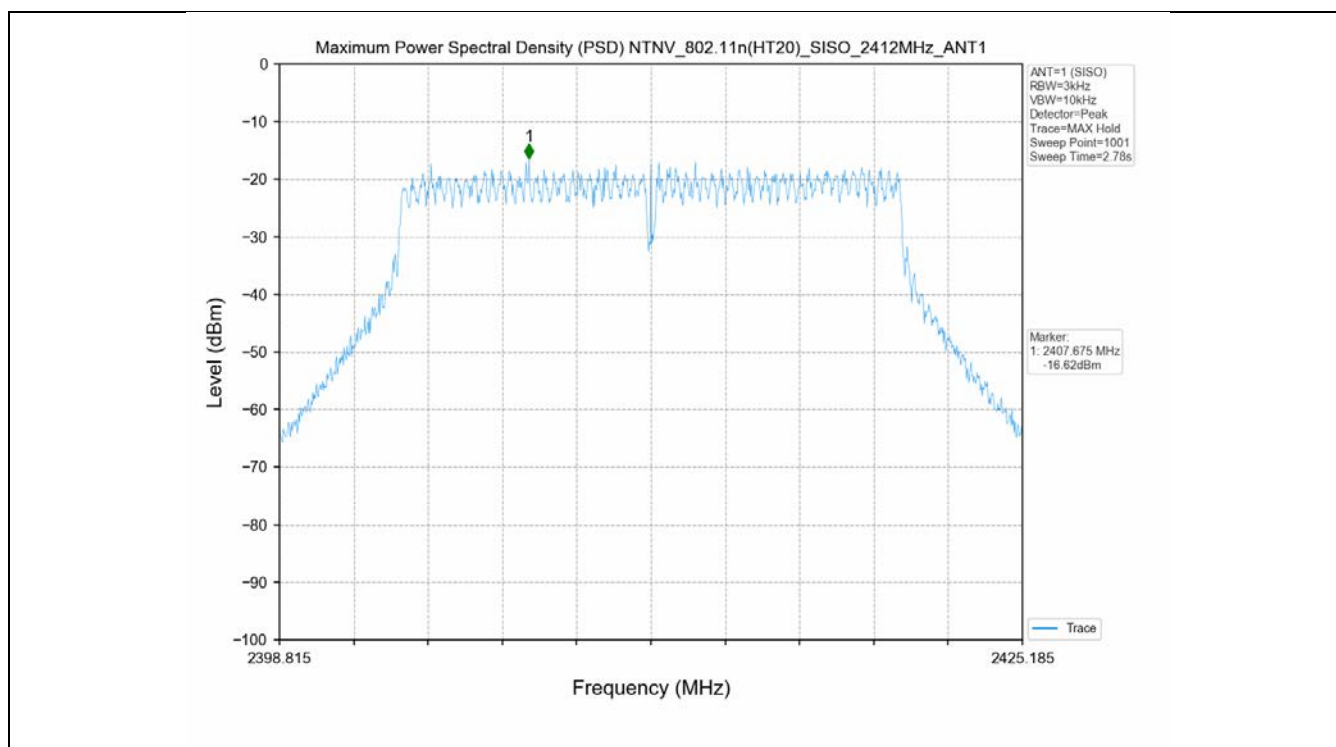
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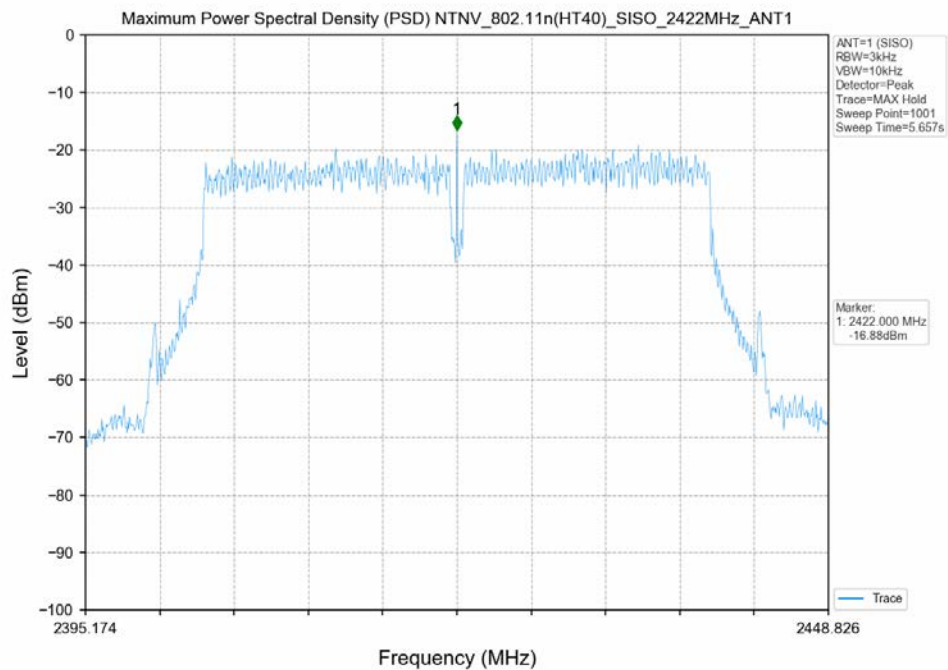
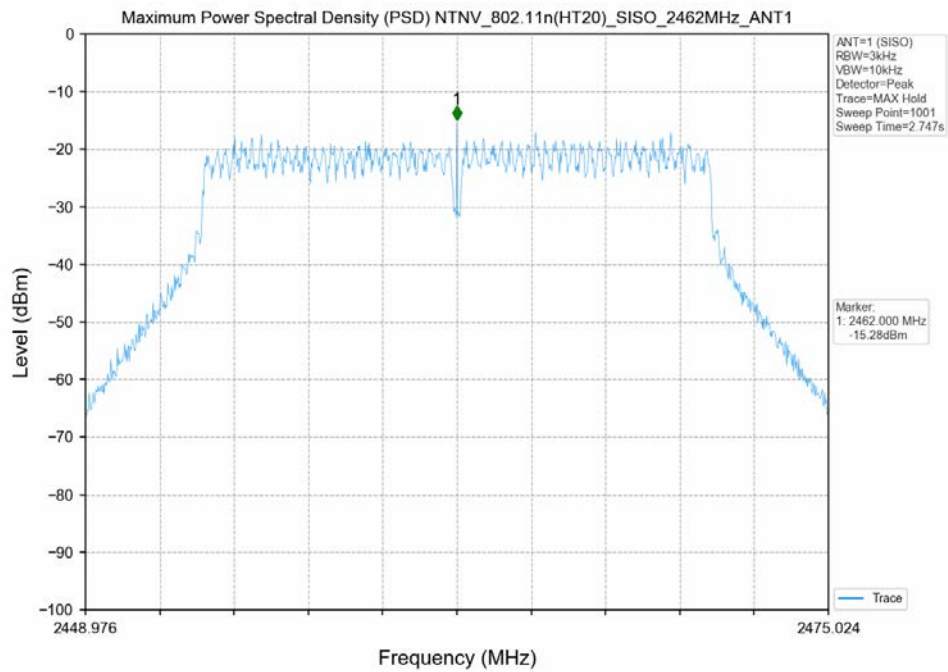


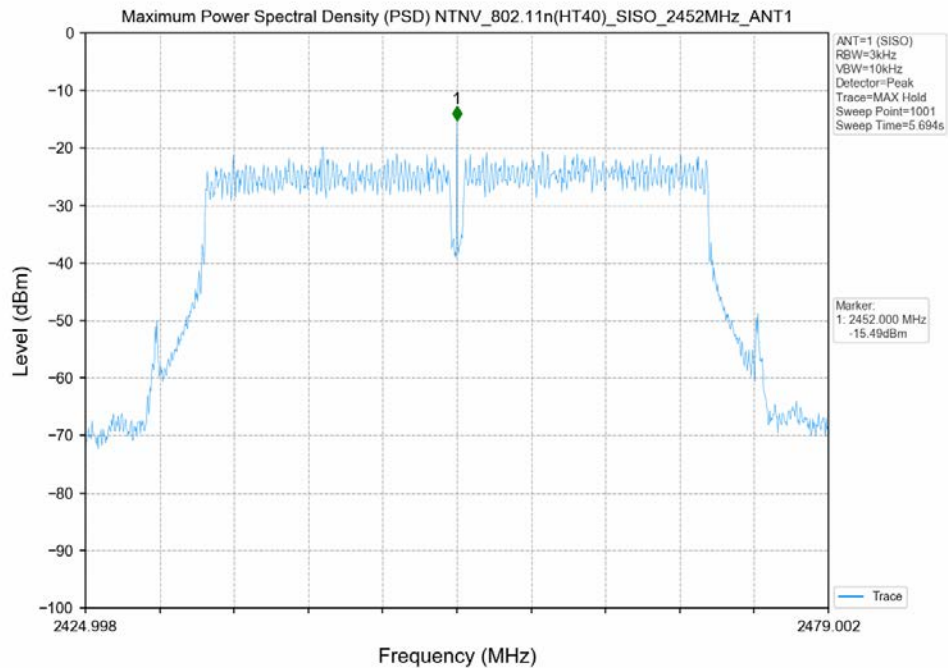
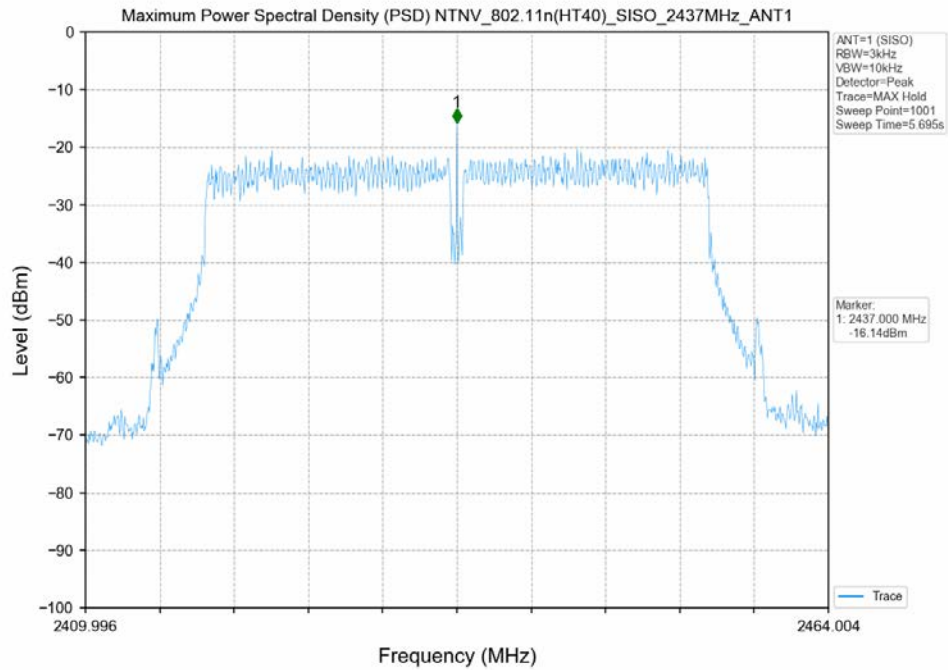




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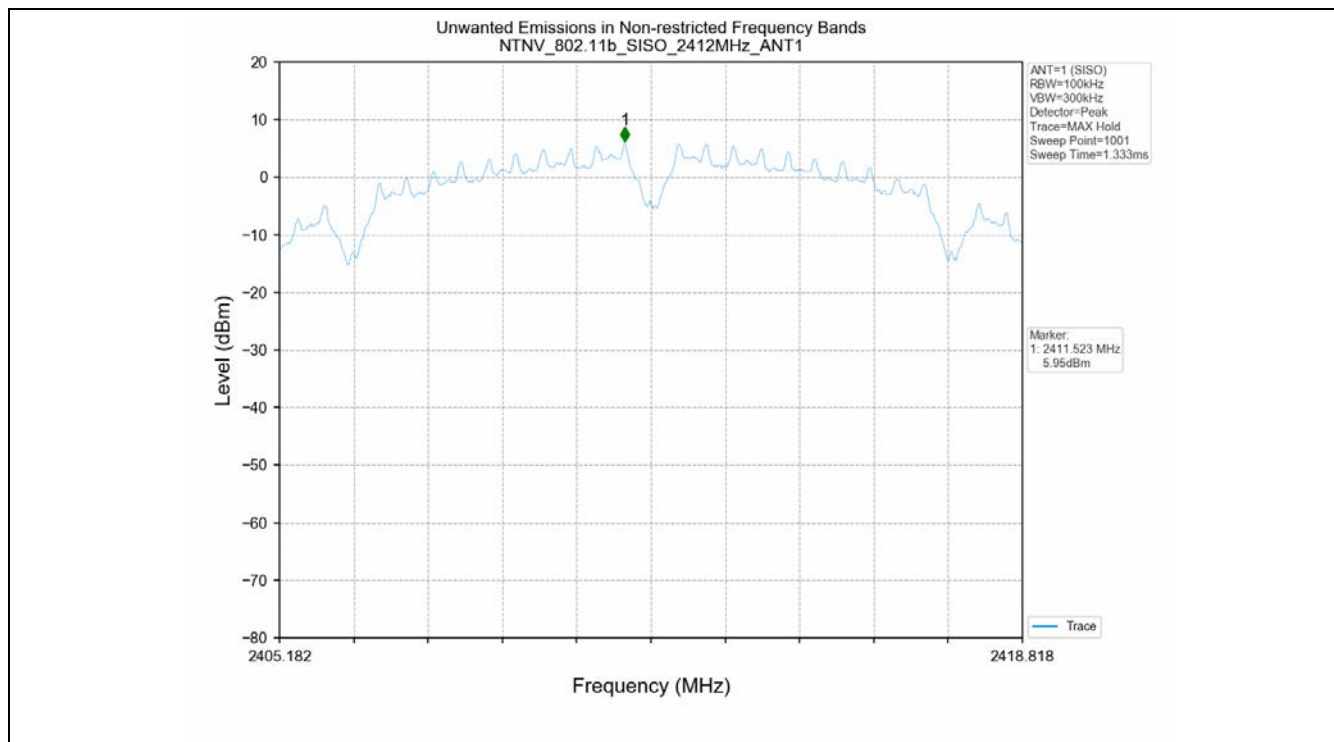
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5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

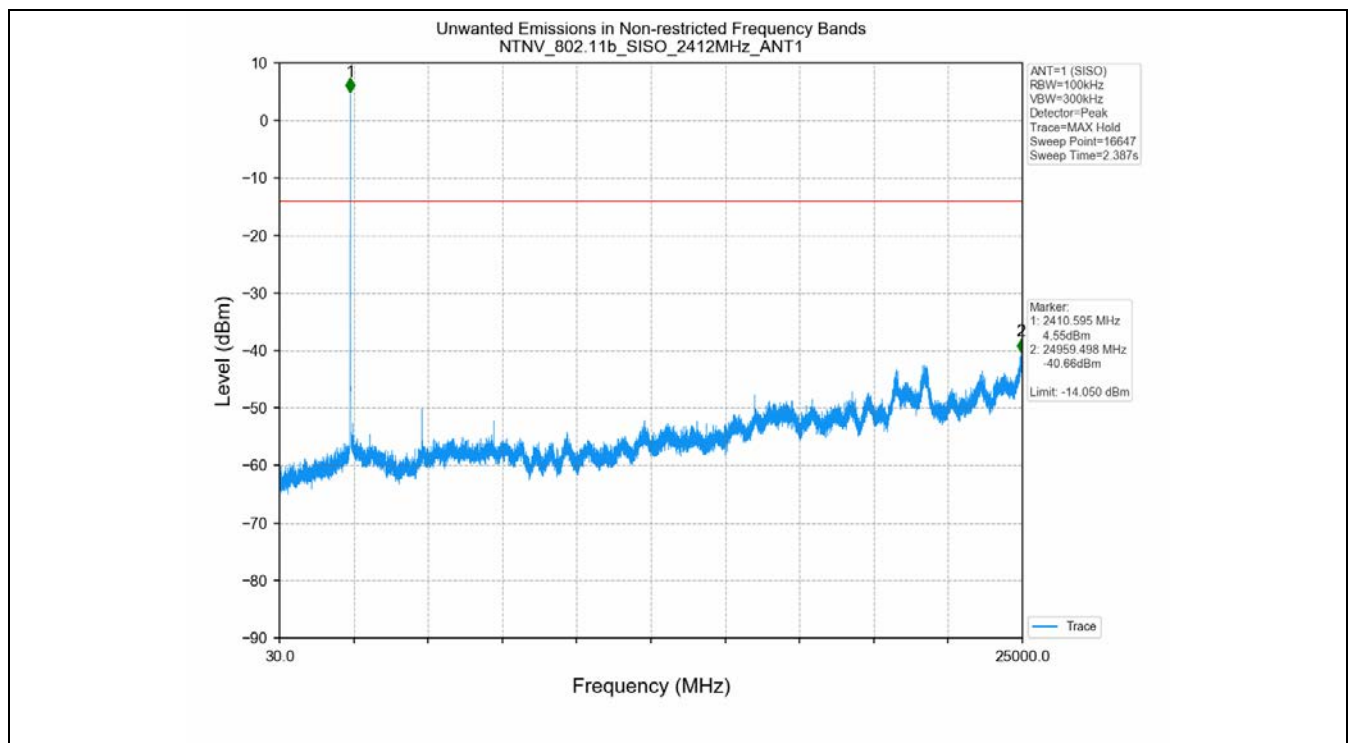
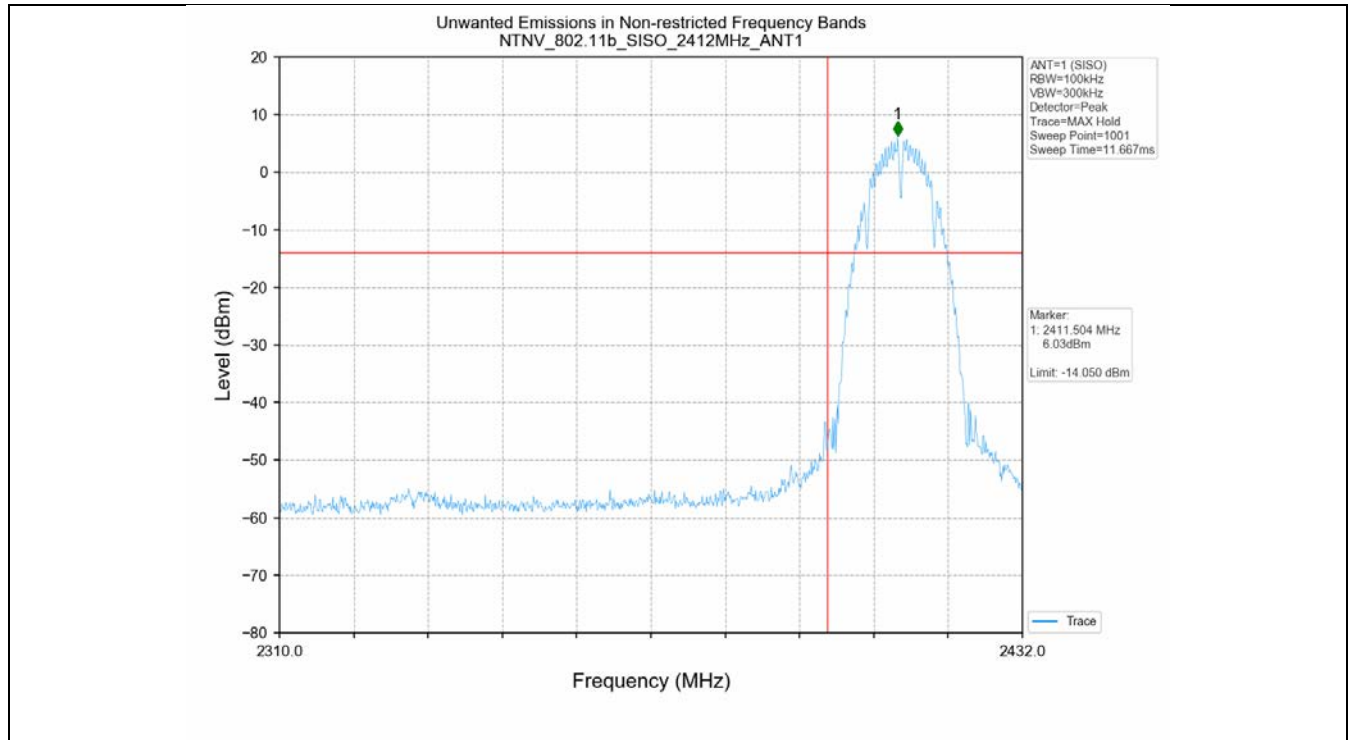
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-14.05	PASS
	2437	SISO	1	Refer to test graph	-14.05	PASS
	2462	SISO	1	Refer to test graph	-14.05	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.29	PASS
	2437	SISO	1	Refer to test graph	-22.29	PASS
	2462	SISO	1	Refer to test graph	-22.29	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-22.14	PASS
	2437	SISO	1	Refer to test graph	-22.14	PASS
	2462	SISO	1	Refer to test graph	-22.14	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-24.70	PASS
	2437	SISO	1	Refer to test graph	-24.70	PASS
	2452	SISO	1	Refer to test graph	-24.70	PASS

5.2 Test Graph



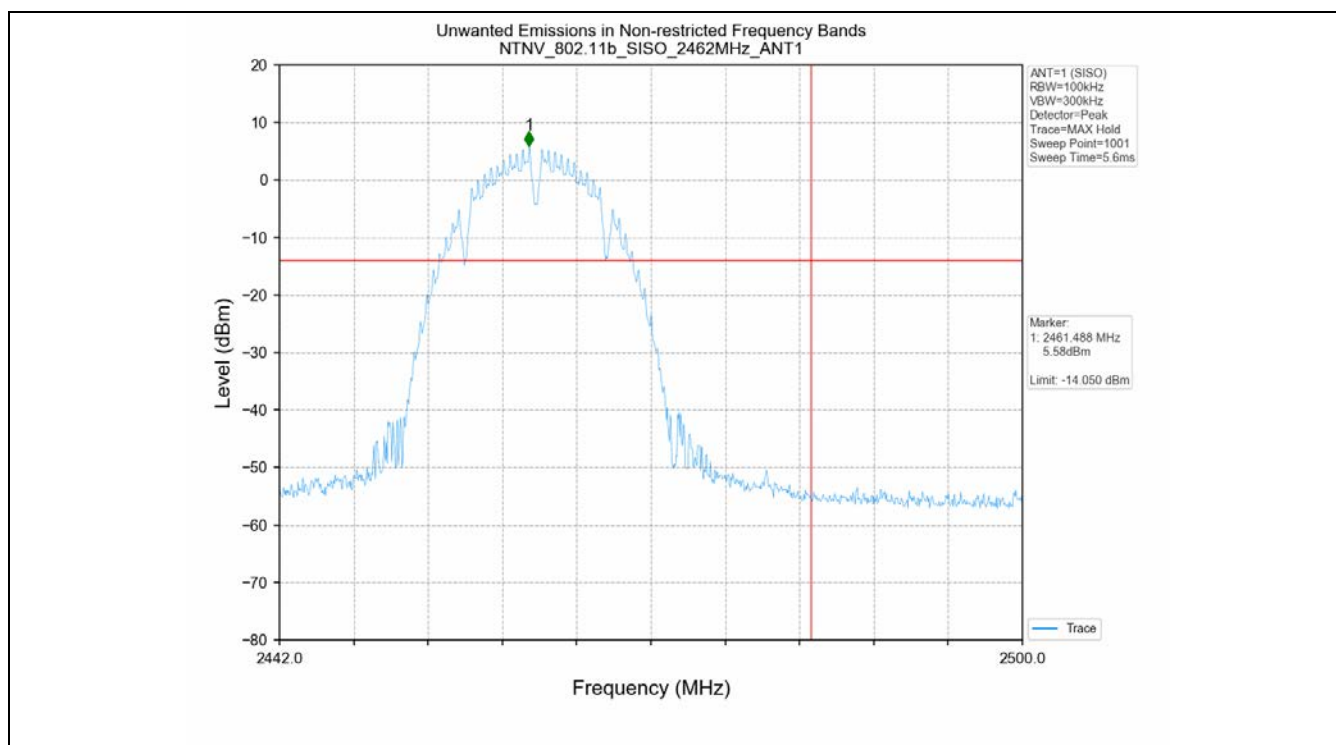
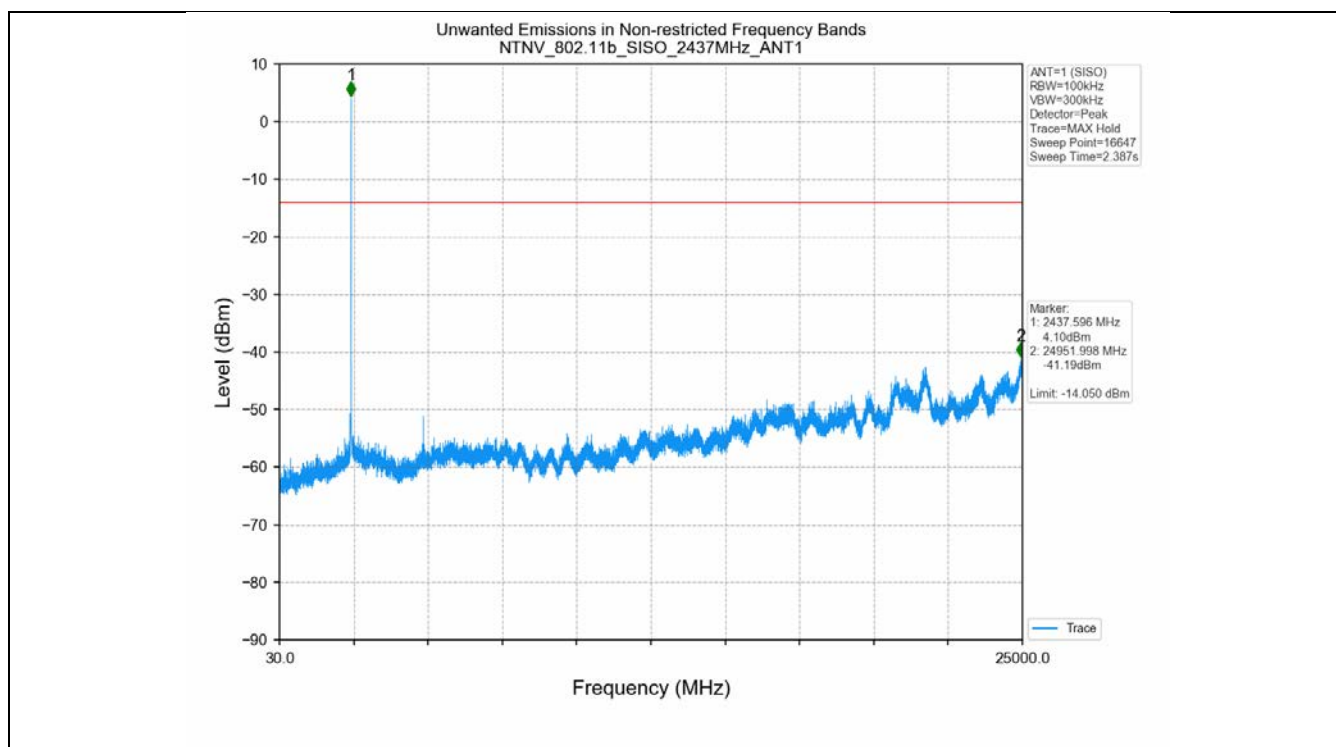


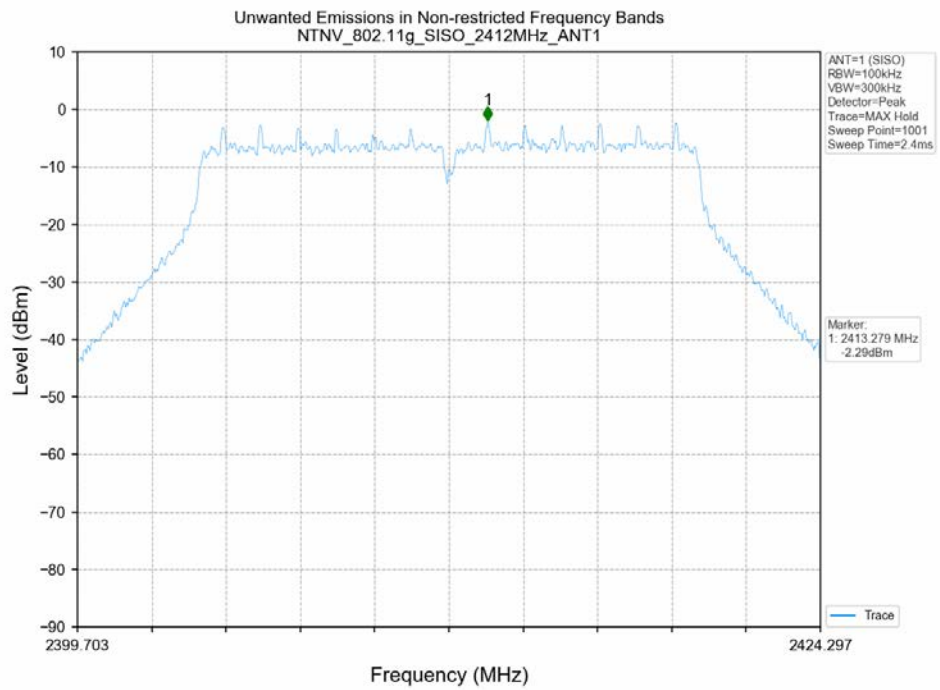
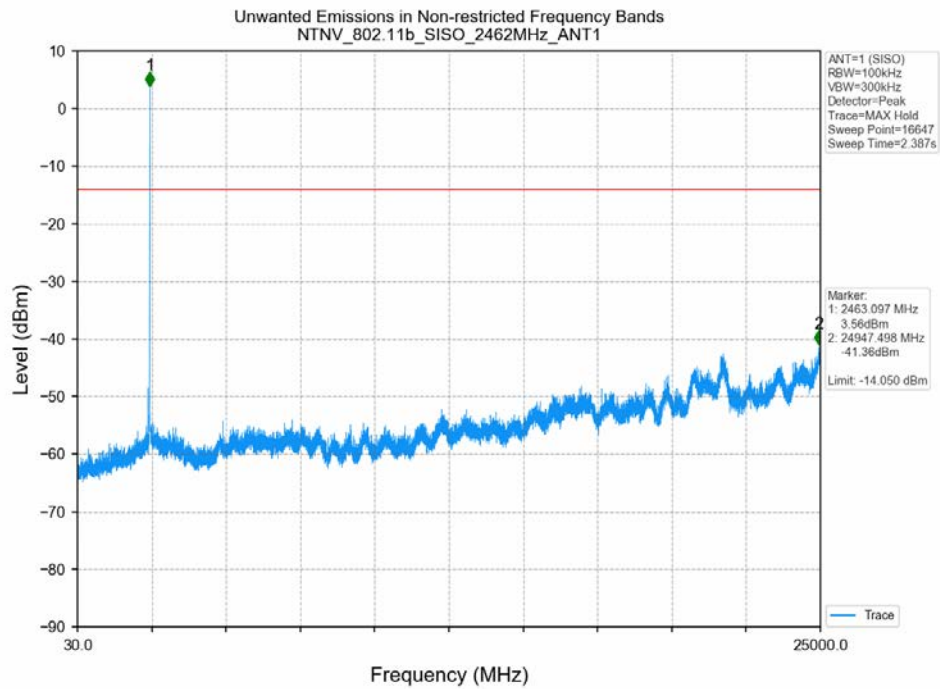
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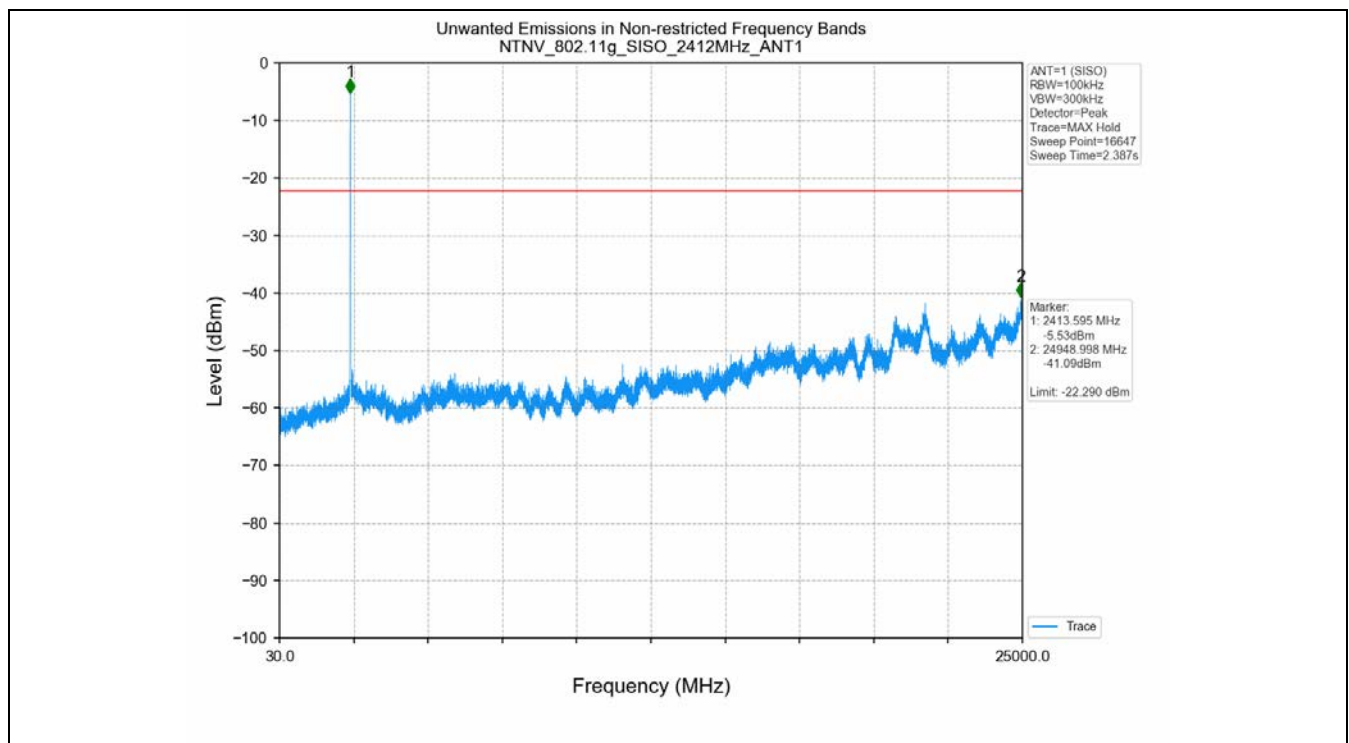
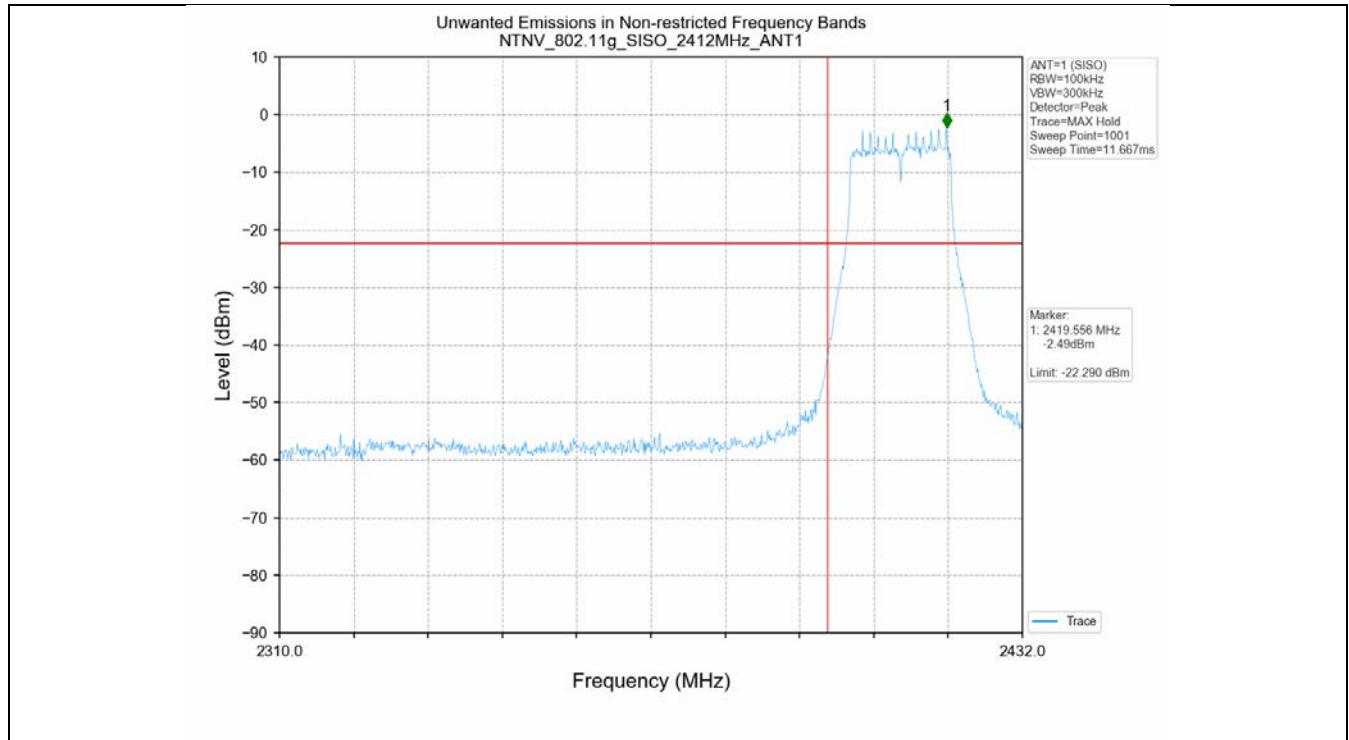
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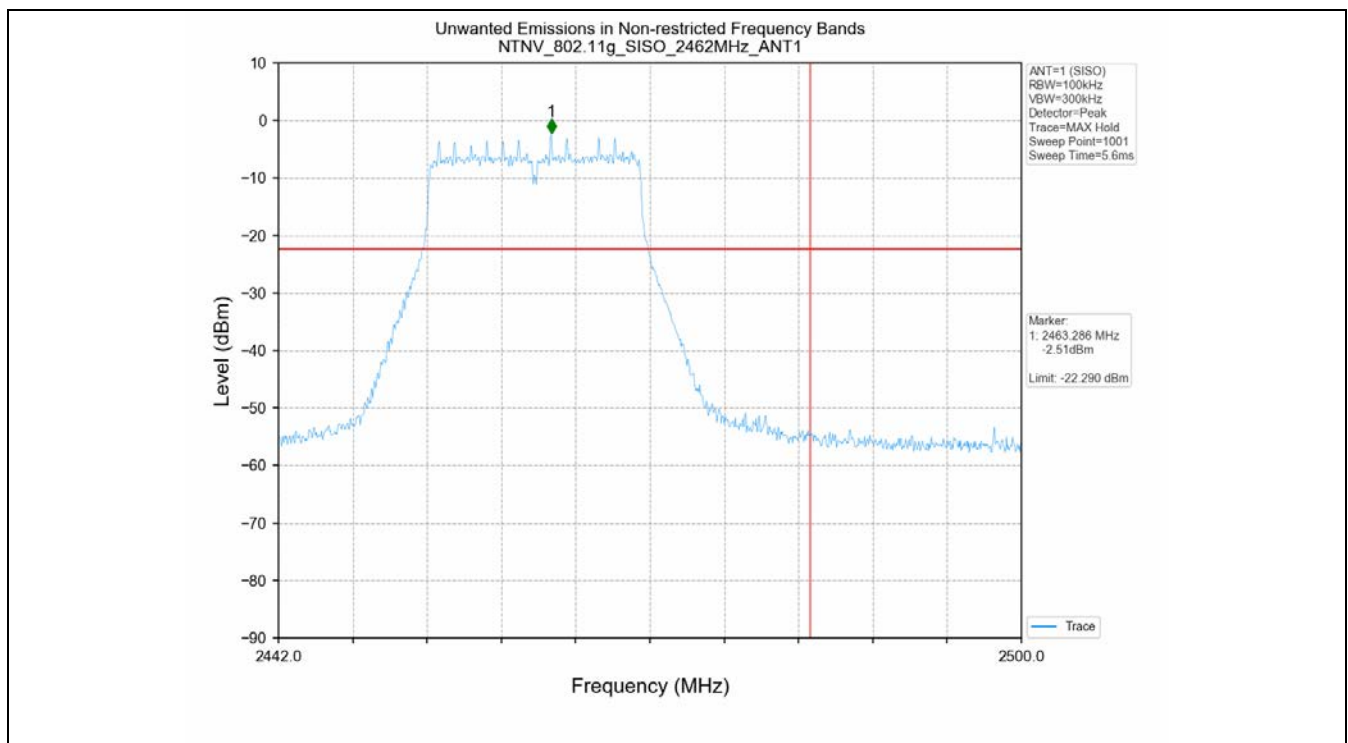
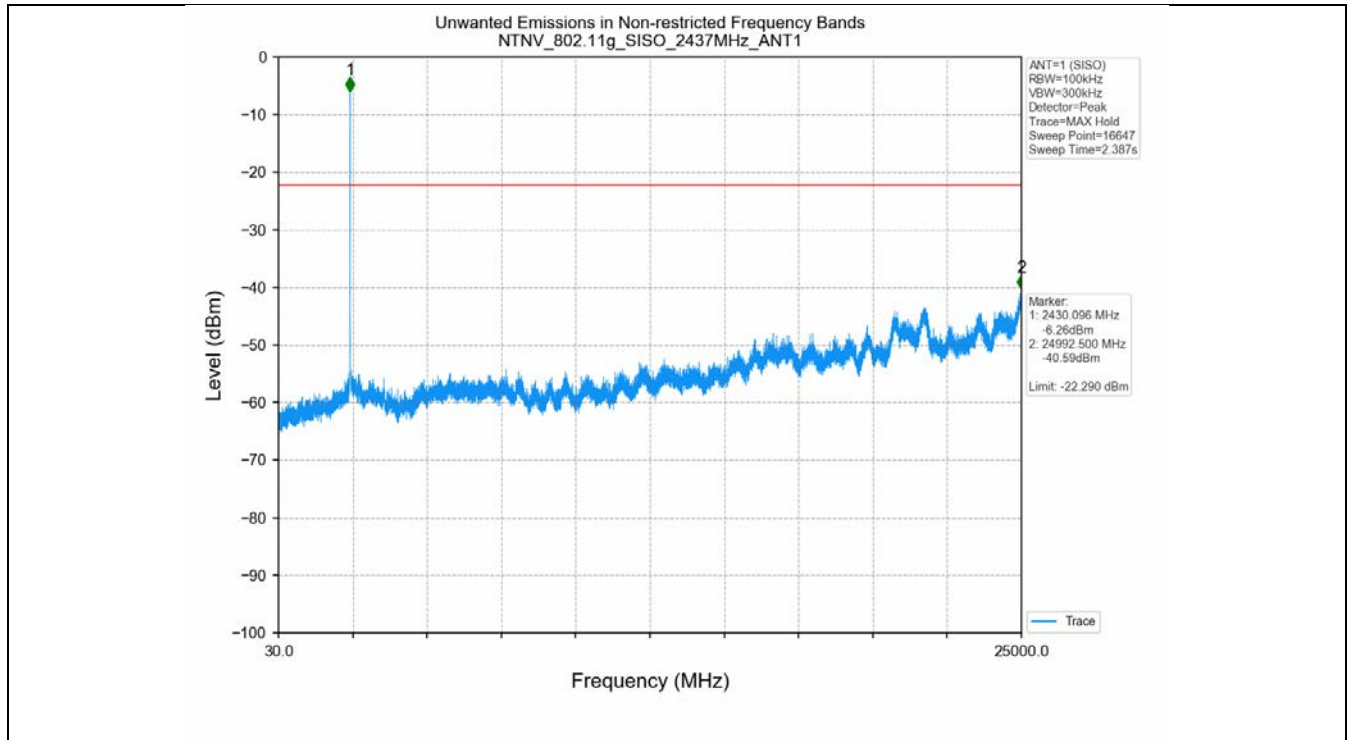






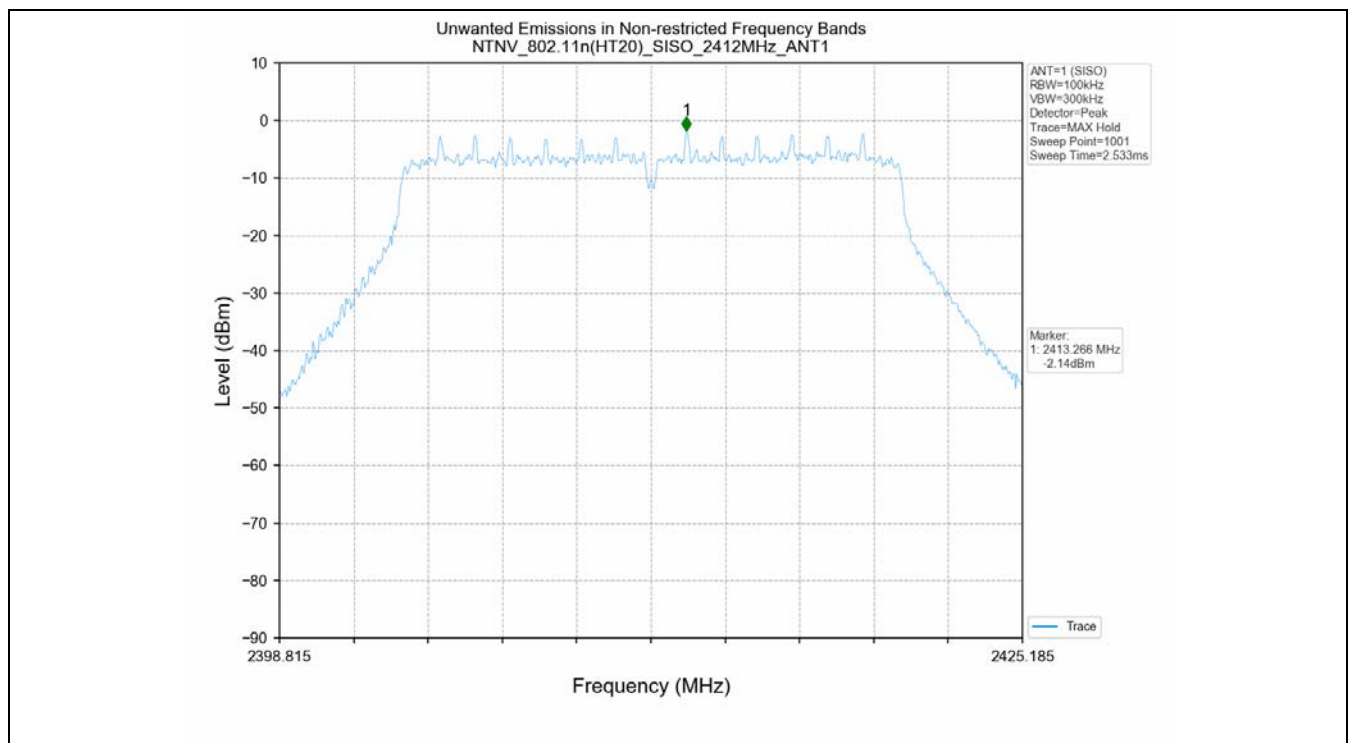
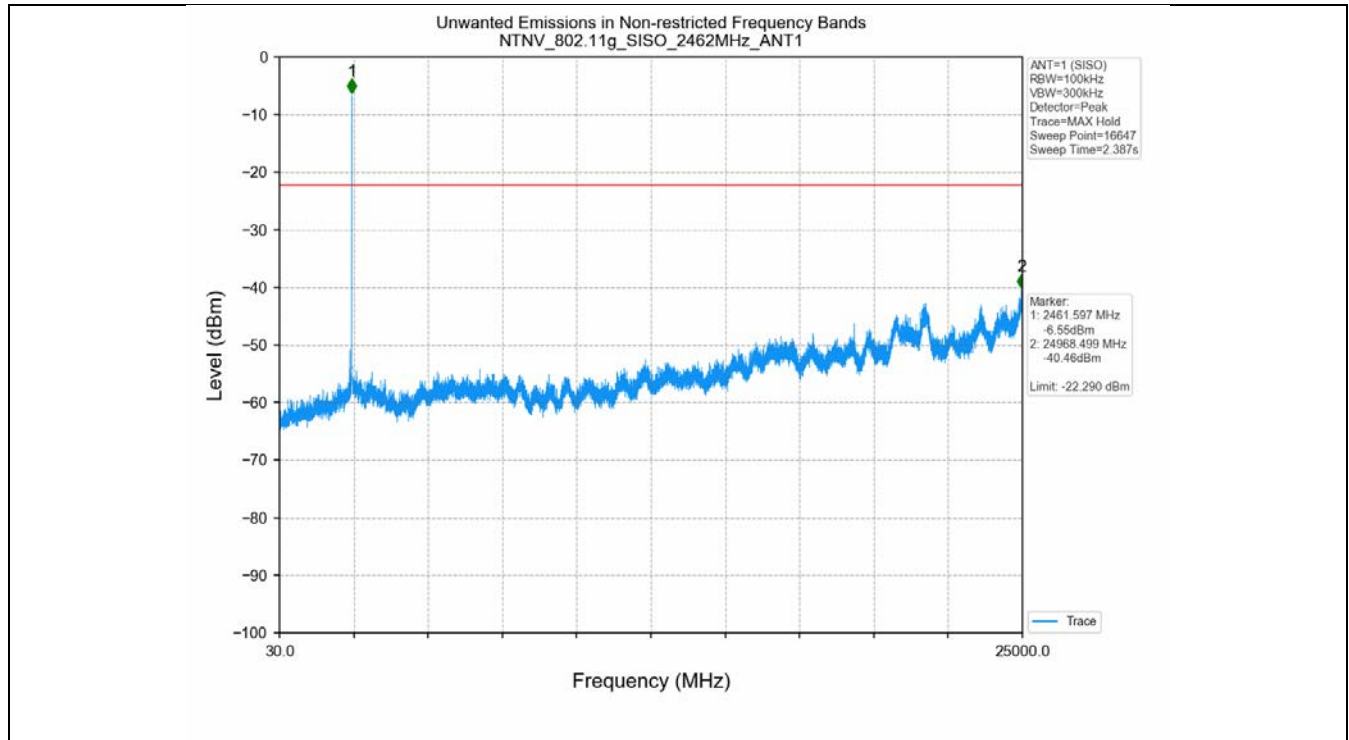
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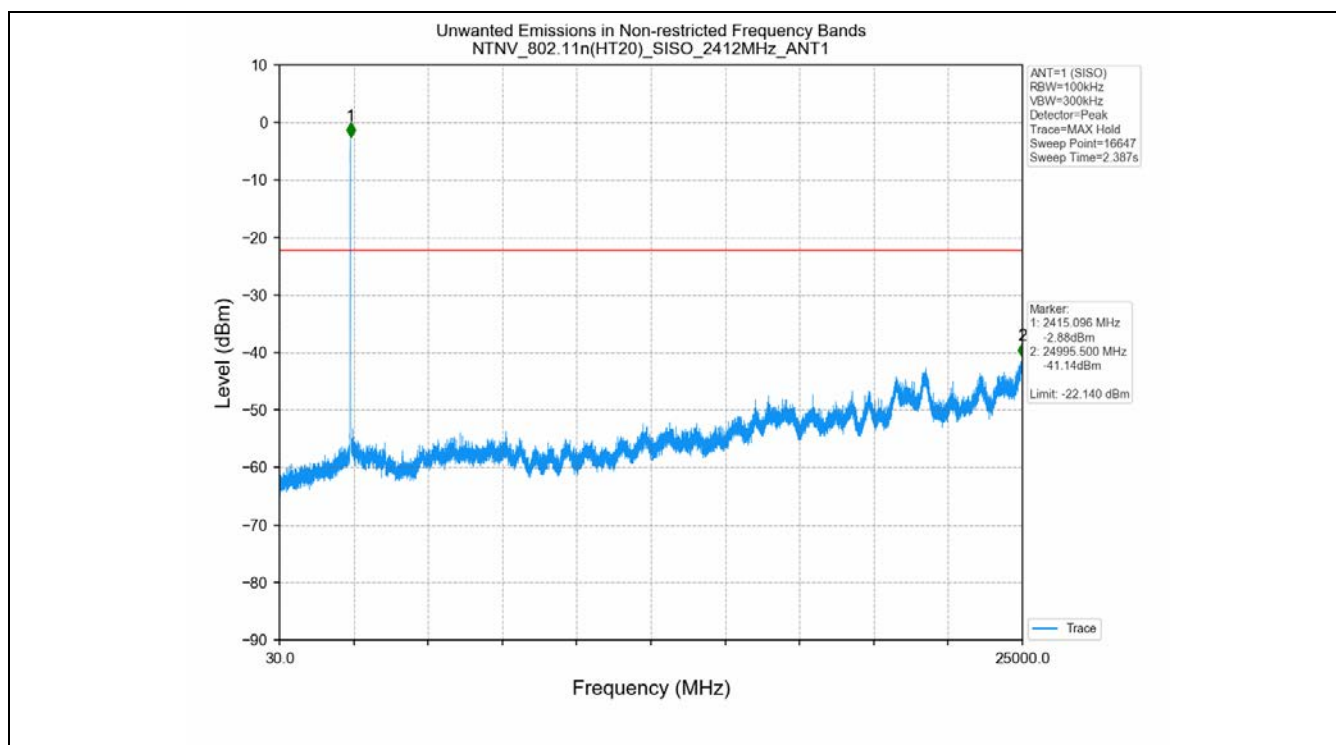
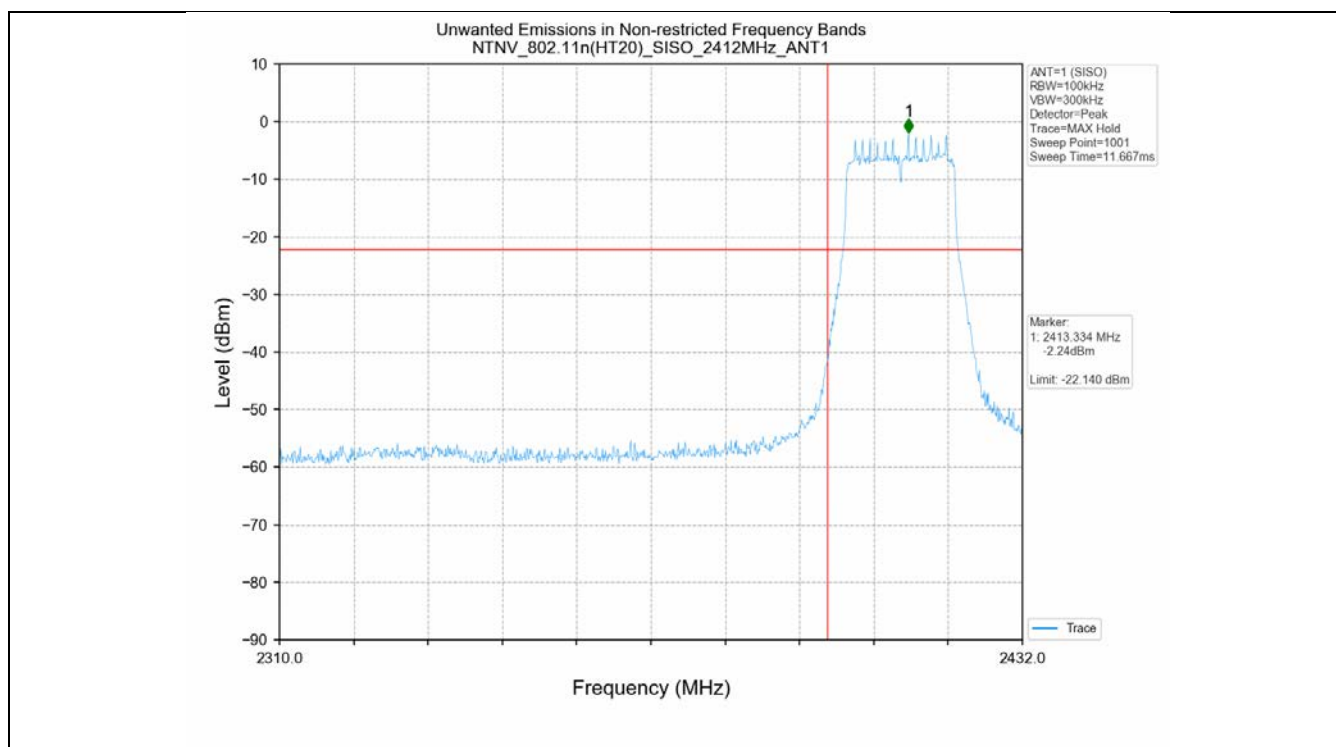


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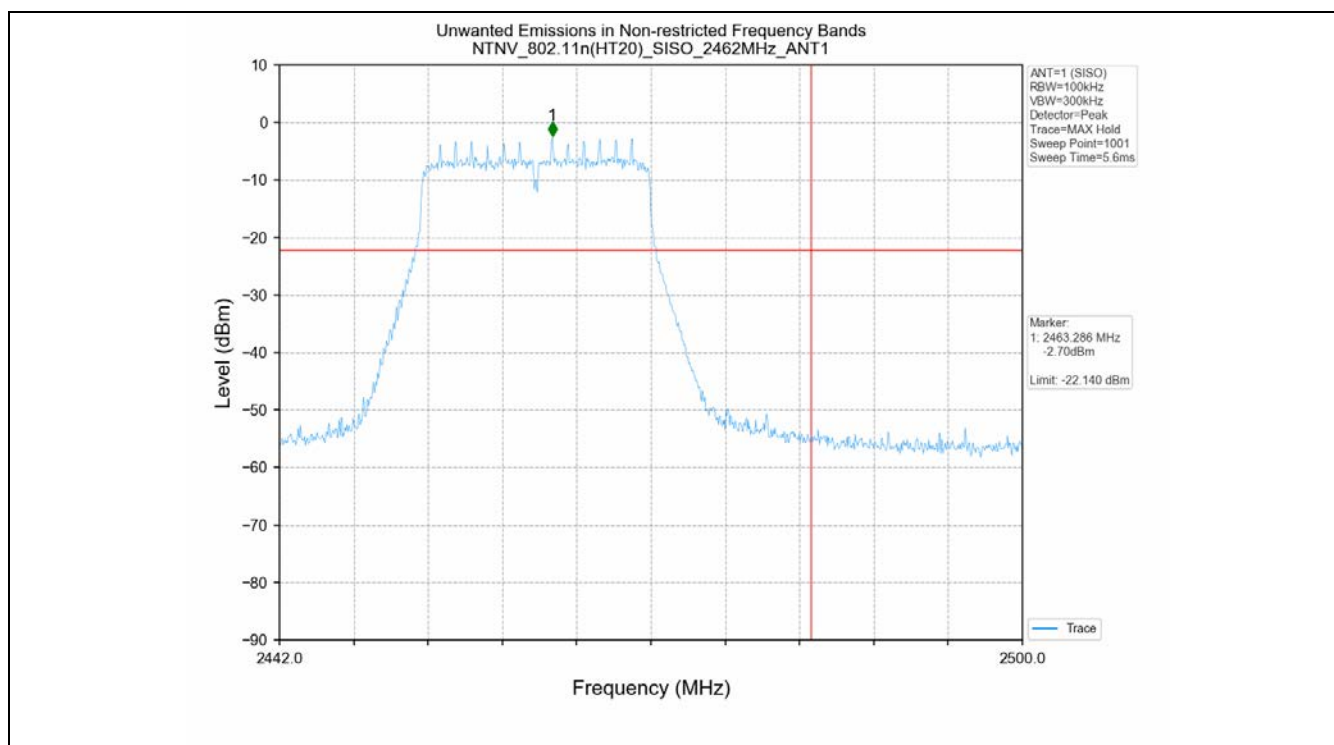
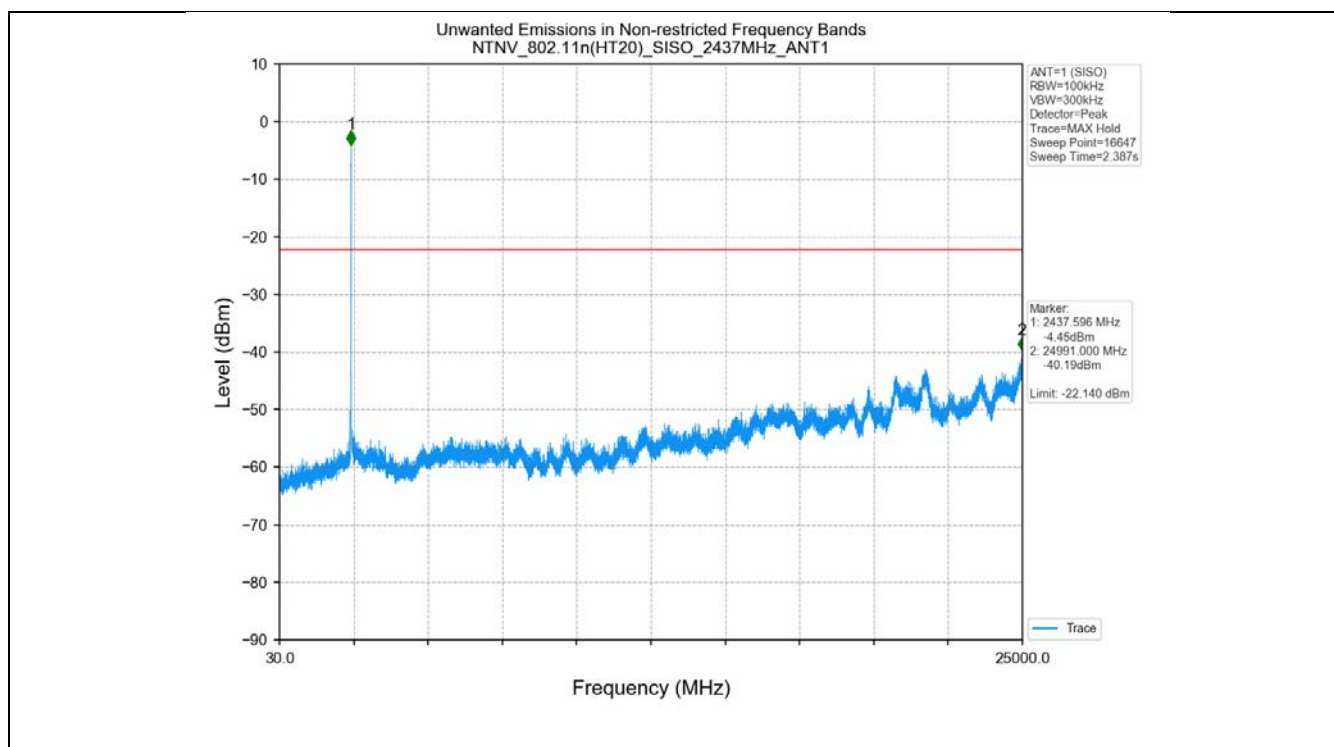


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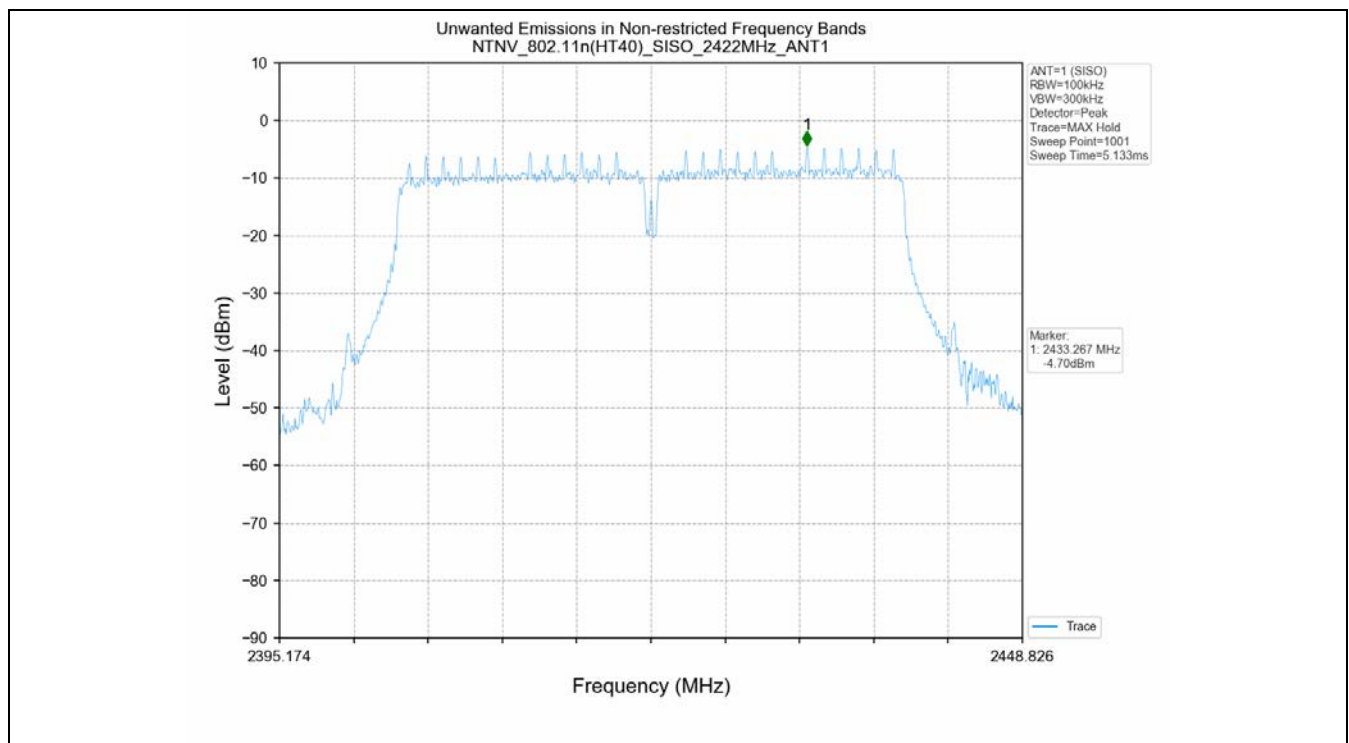
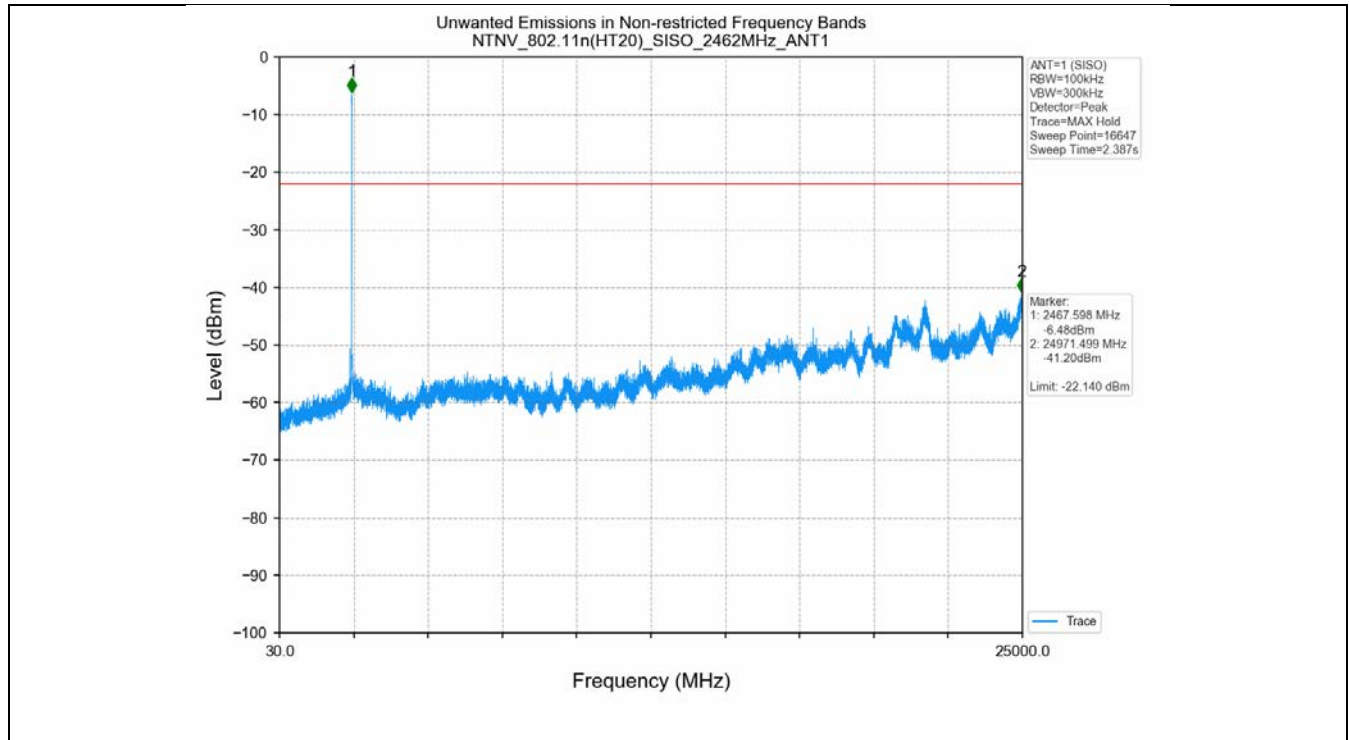


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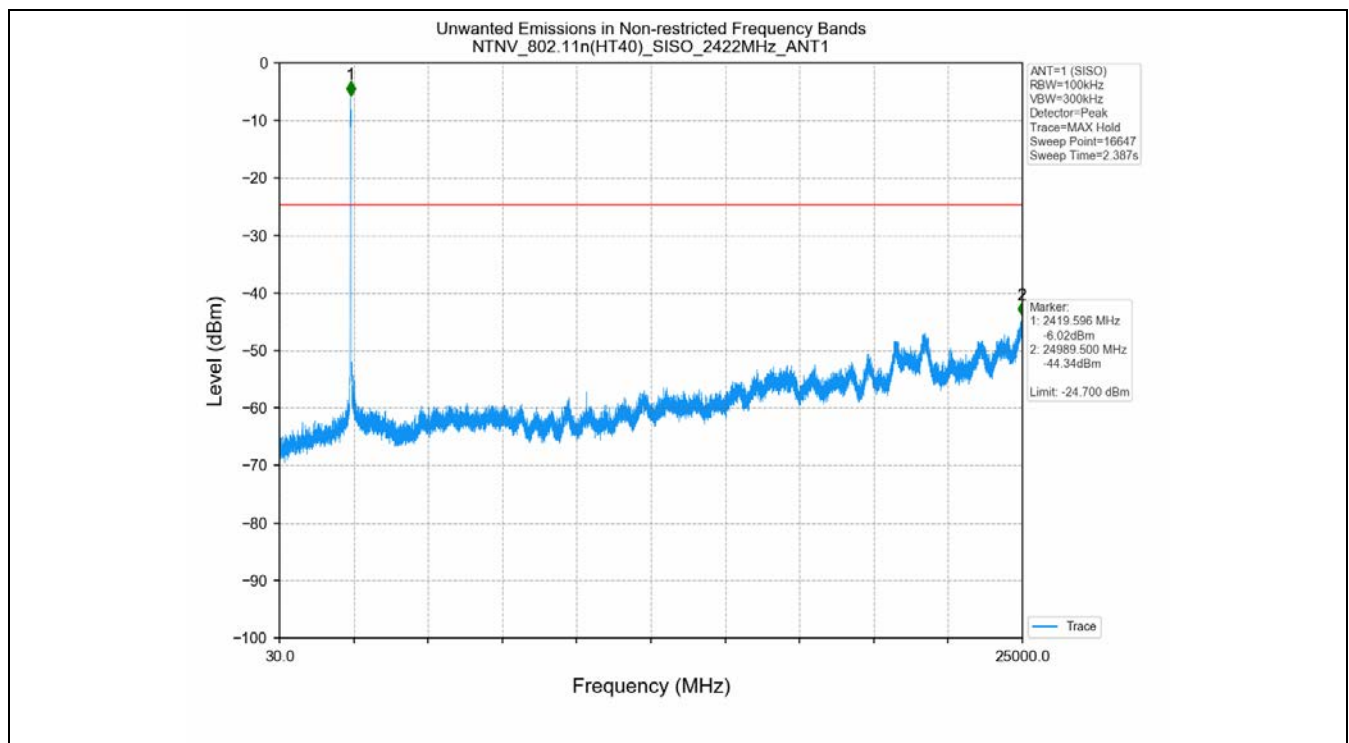
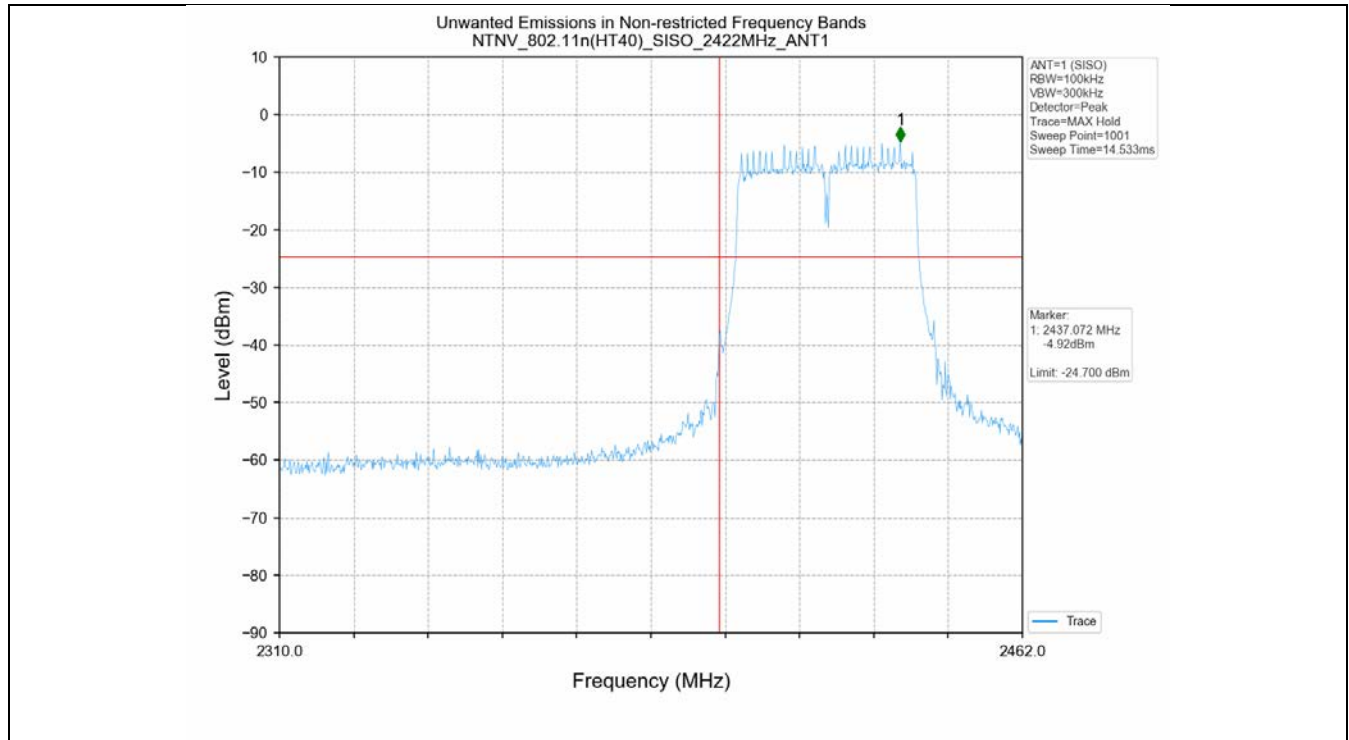


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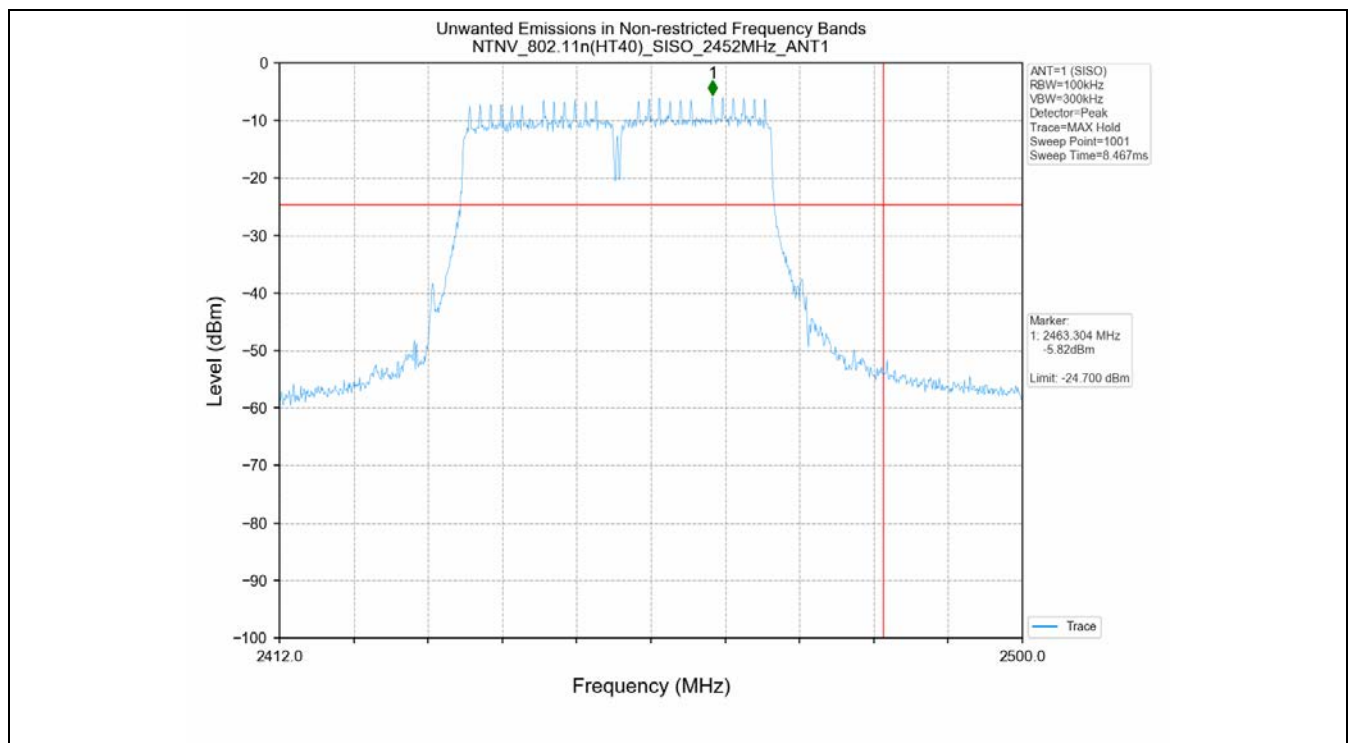
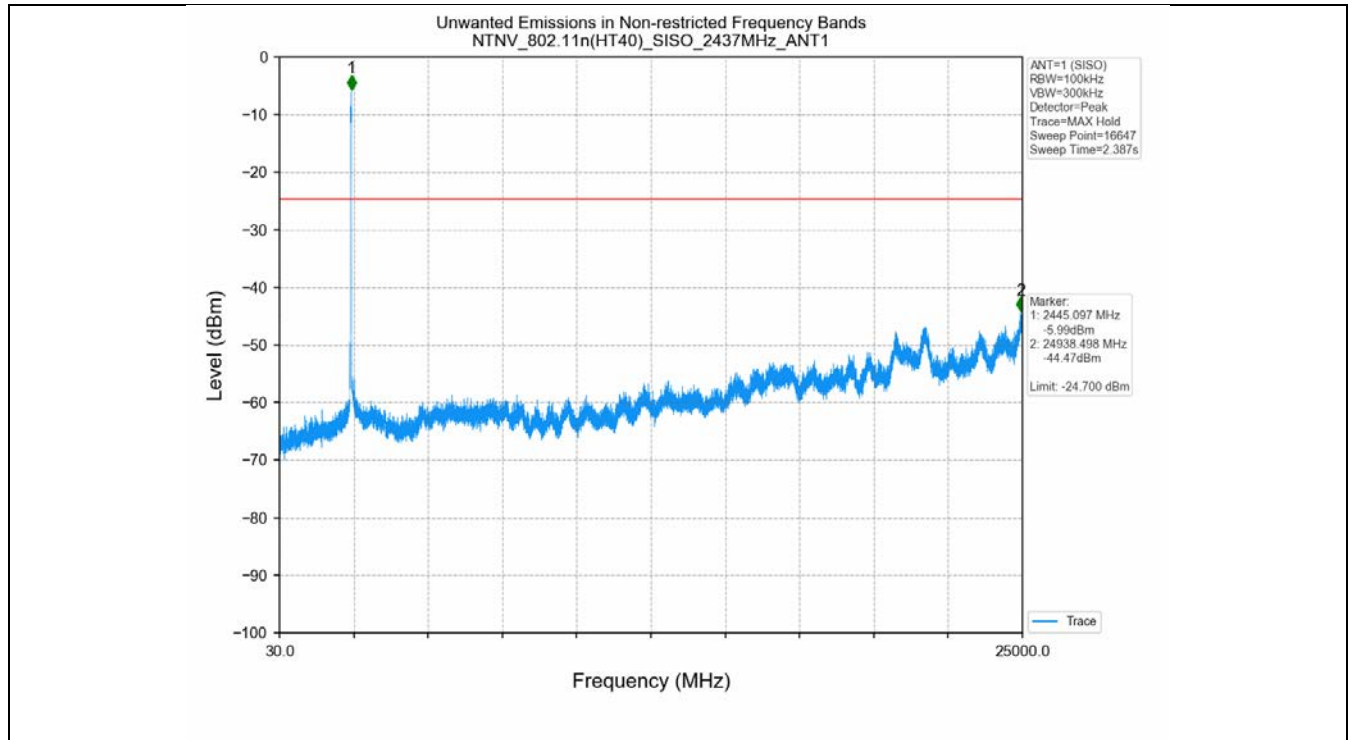


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