



Shenzhen CTL Testing Technology Co., Ltd.

Tel: +86-755-89486194 E-mail: ctl@ctl-lab.com

Product Name: Siyata SD7

Model: SD7

Appendix for 15.247

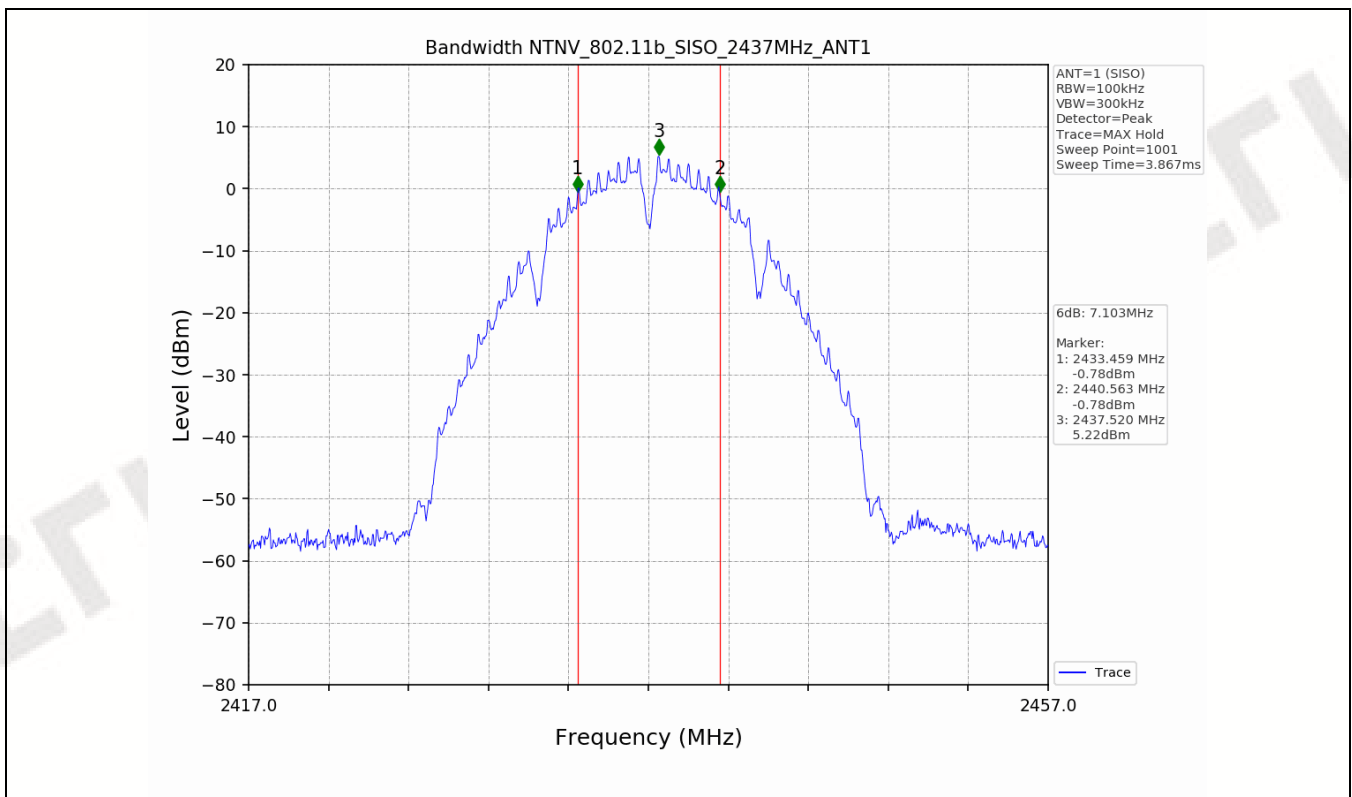
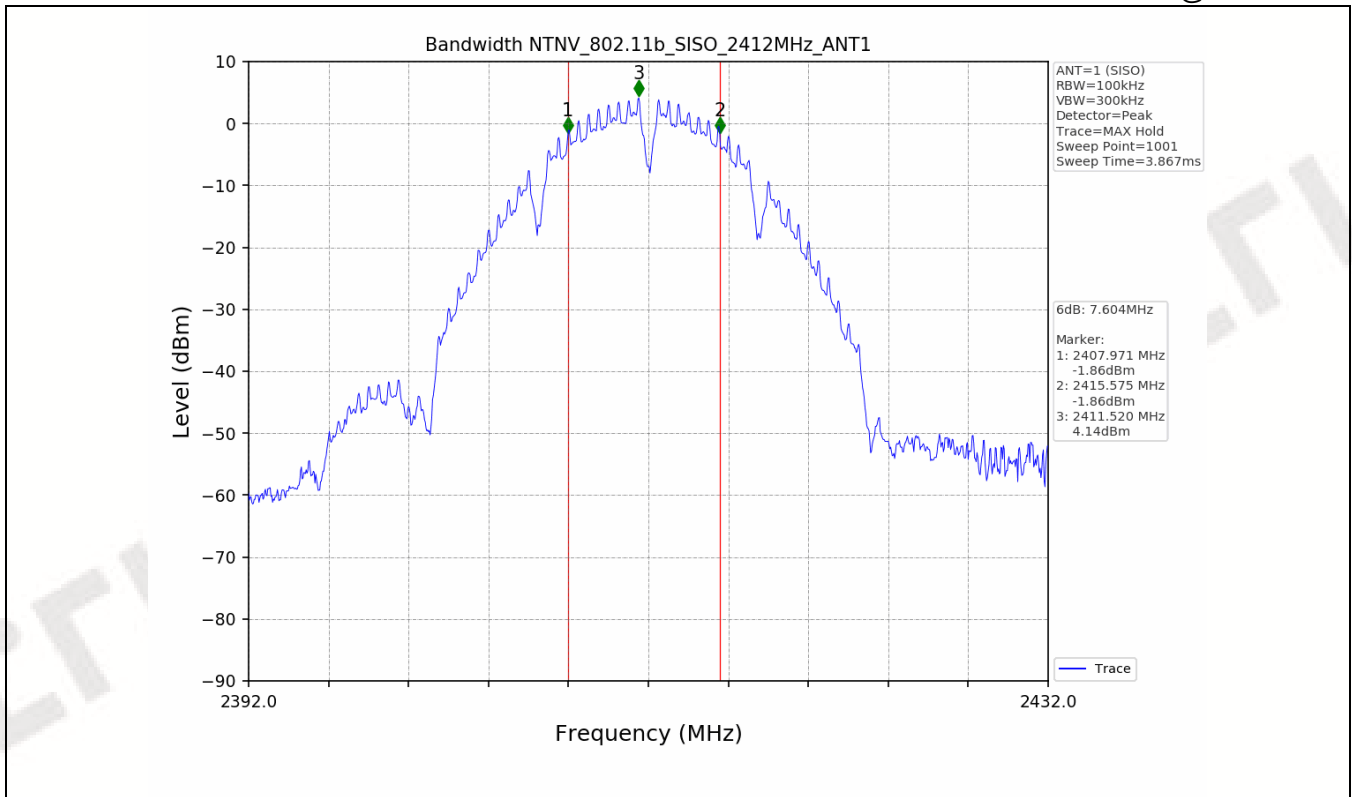
1. Bandwidth

1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth	Verdict
				Test Result (MHz)	
802.11b	2412	SISO	1	7.604	PASS
	2437	SISO	1	7.103	PASS
	2462	SISO	1	8.077	PASS
802.11g	2412	SISO	1	16.081	PASS
	2437	SISO	1	15.098	PASS
	2462	SISO	1	15.797	PASS
802.11n(HT20)	2412	SISO	1	16.918	PASS
	2437	SISO	1	15.135	PASS
	2462	SISO	1	17.389	PASS
802.11n(HT40)	2422	SISO	1	35.748	PASS
	2437	SISO	1	27.632	PASS
	2452	SISO	1	35.799	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	13.014	Only for Report Use
	2437	SISO	1	12.274	Only for Report Use
	2462	SISO	1	13.300	Only for Report Use
802.11g	2412	SISO	1	17.259	Only for Report Use
	2437	SISO	1	16.493	Only for Report Use
	2462	SISO	1	17.369	Only for Report Use
802.11n(HT20)	2412	SISO	1	18.286	Only for Report Use
	2437	SISO	1	17.612	Only for Report Use
	2462	SISO	1	18.405	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.842	Only for Report Use
	2437	SISO	1	35.709	Only for Report Use
	2452	SISO	1	36.922	Only for Report Use

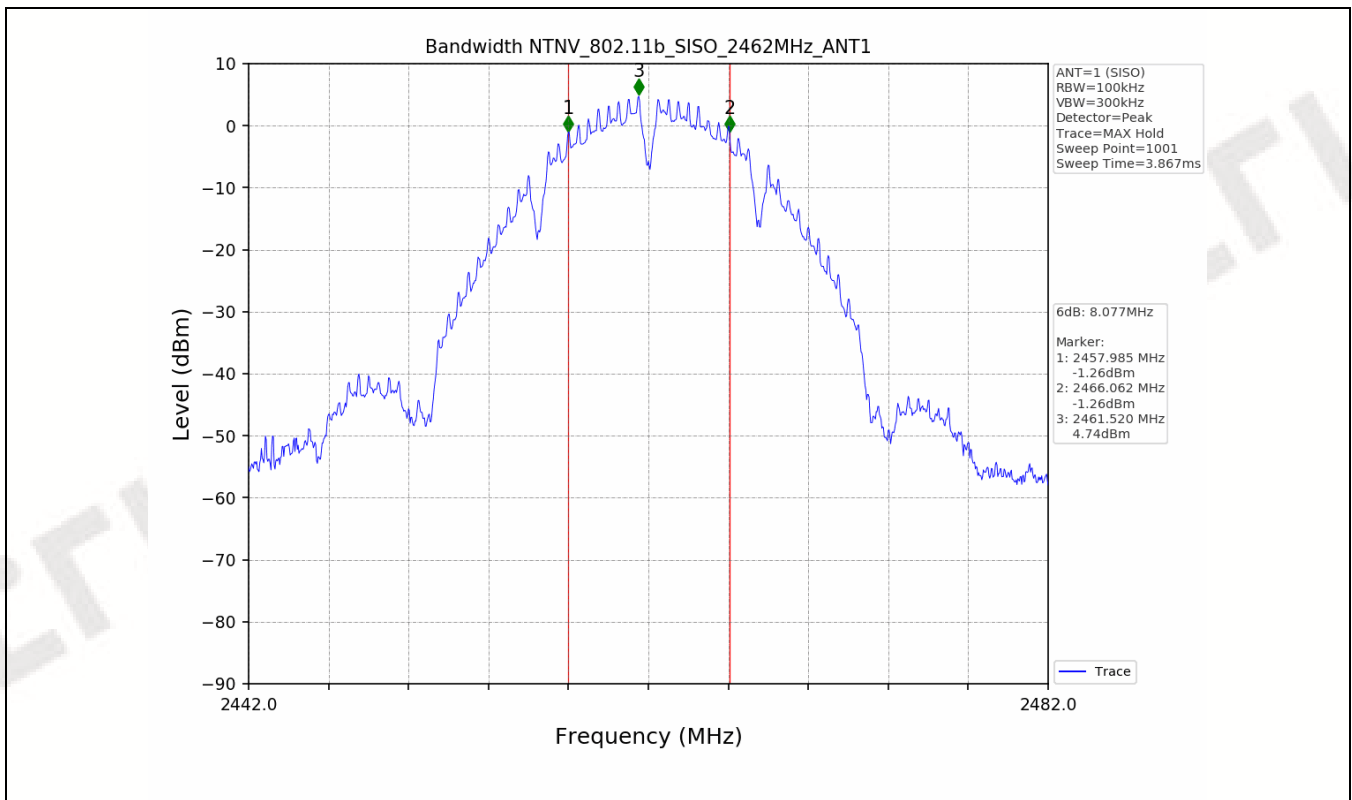
1.2 Test Graph - 6dB Bandwidth

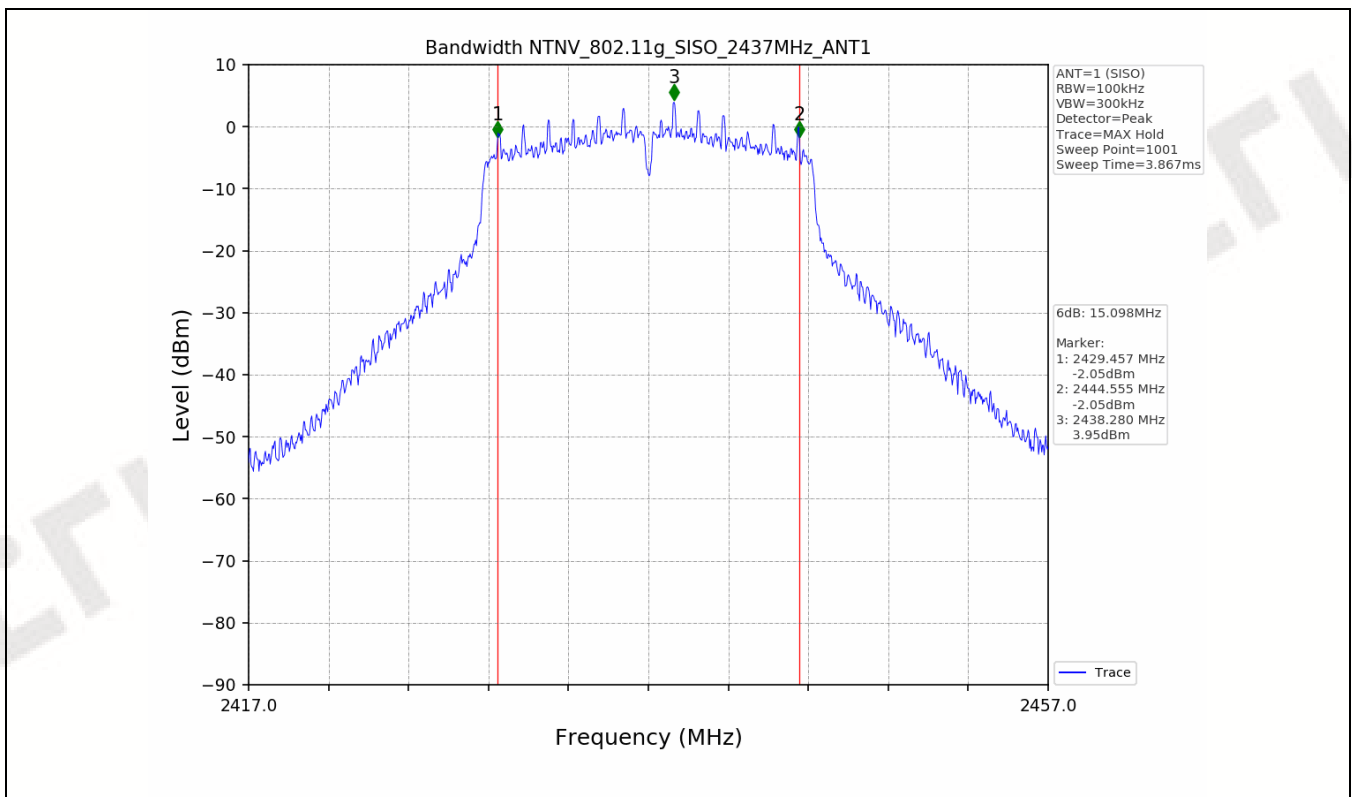
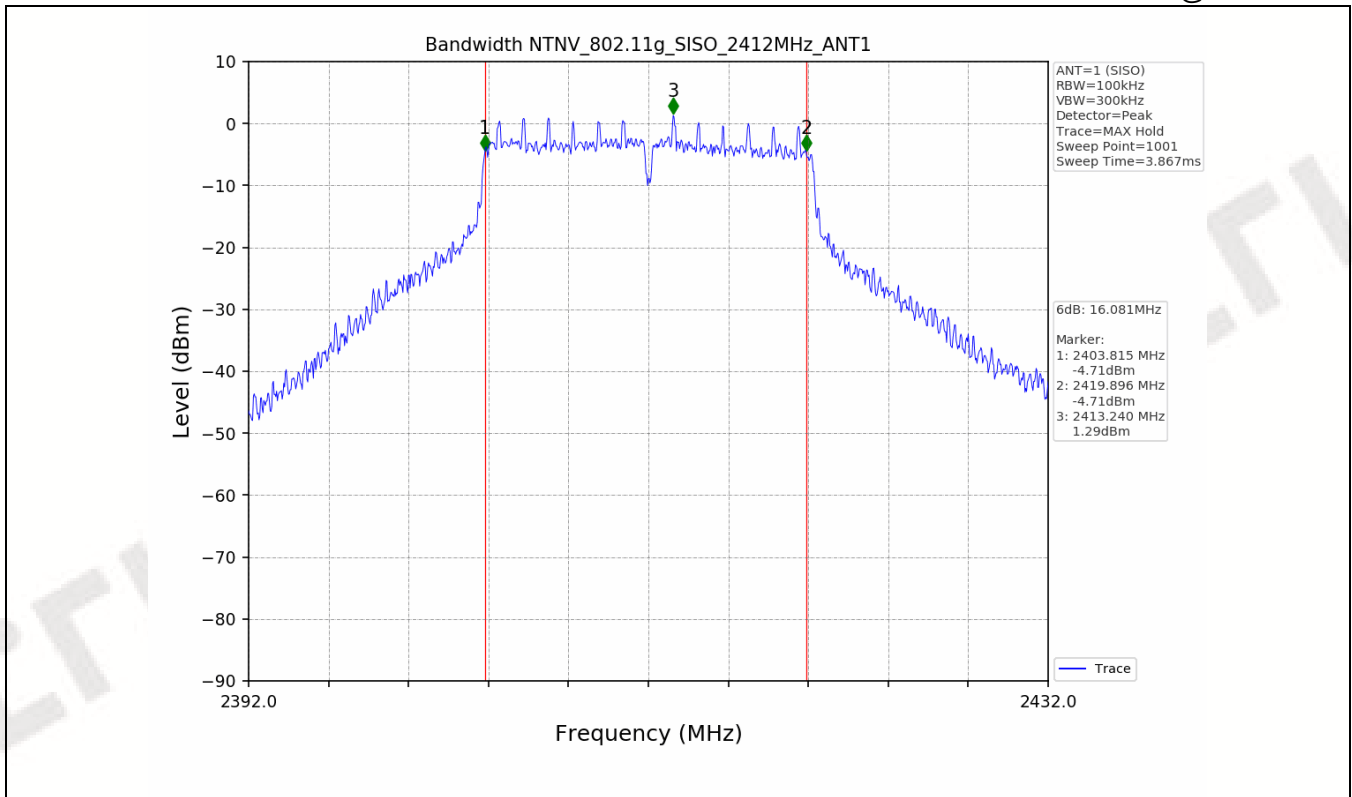




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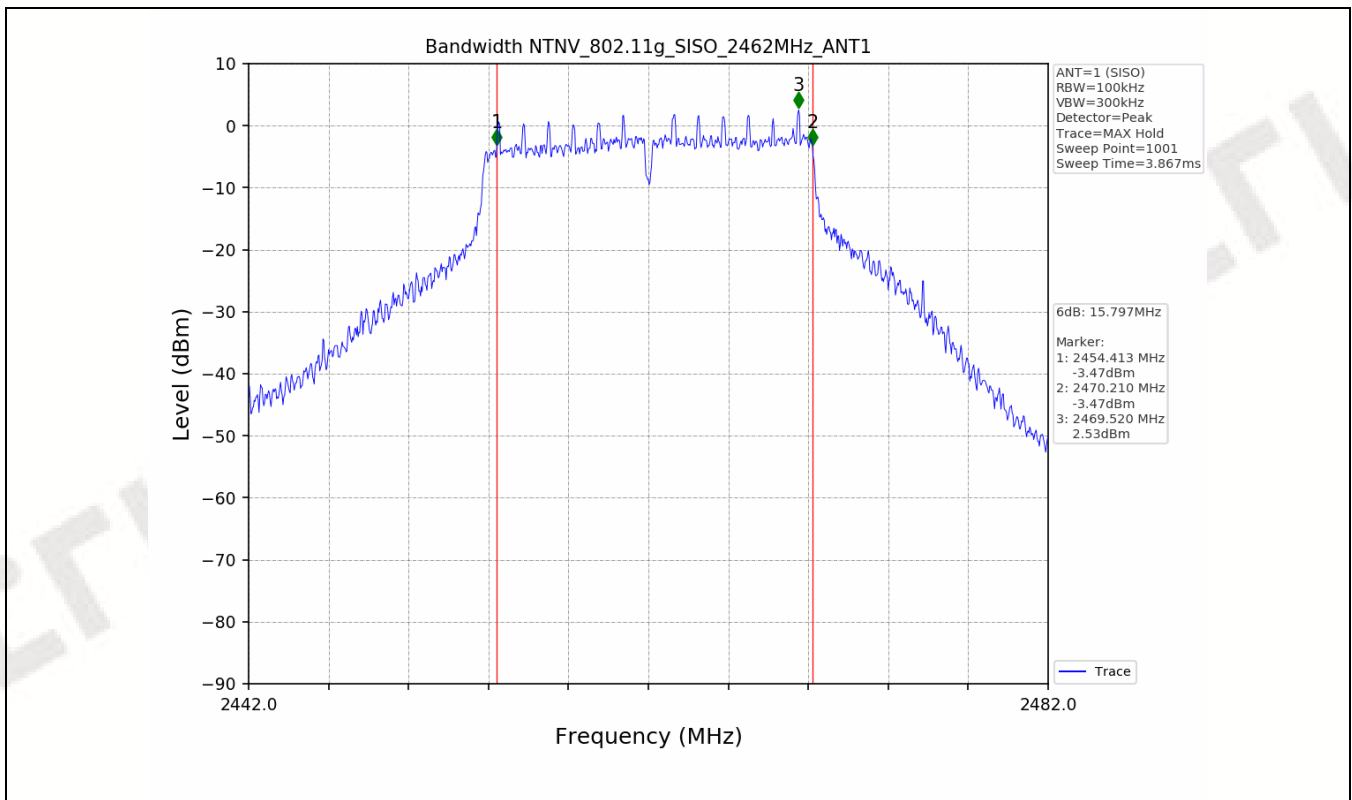


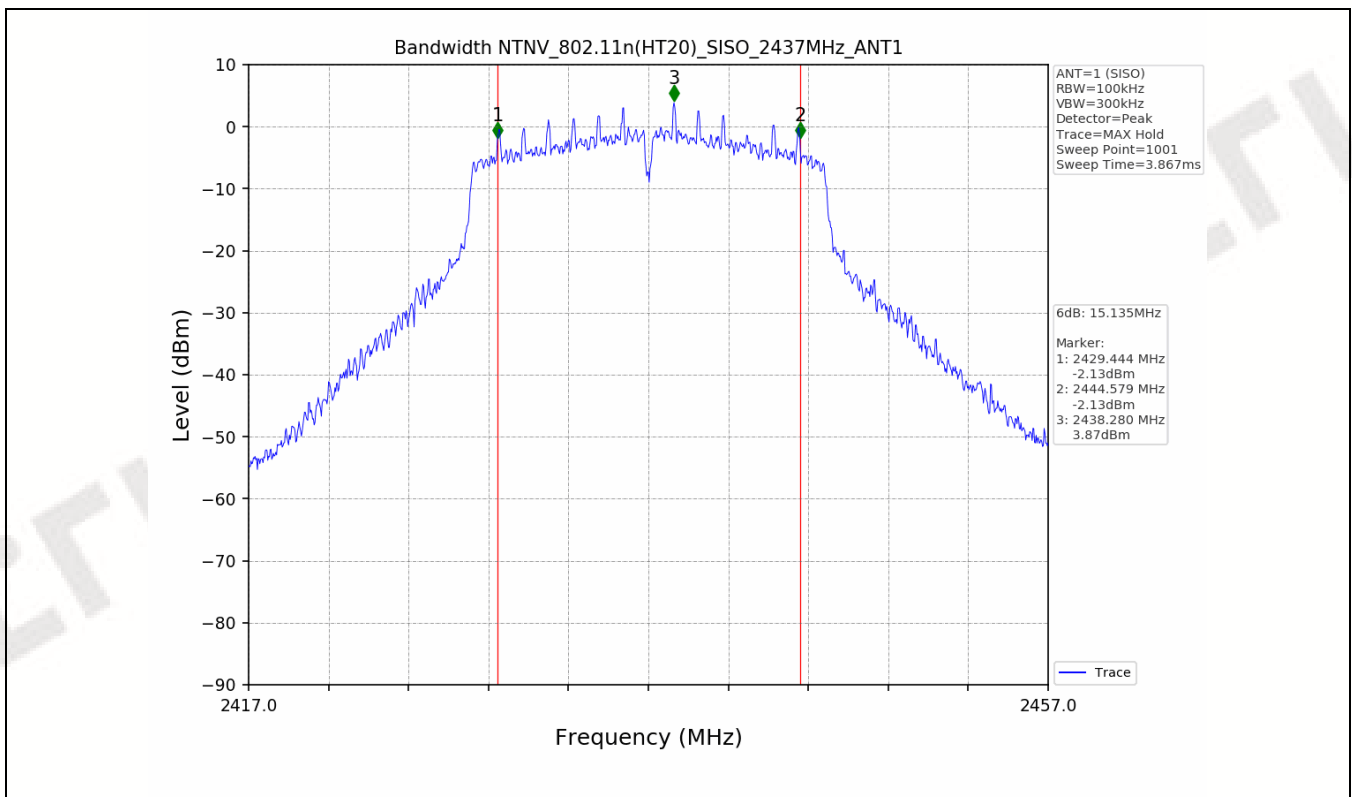
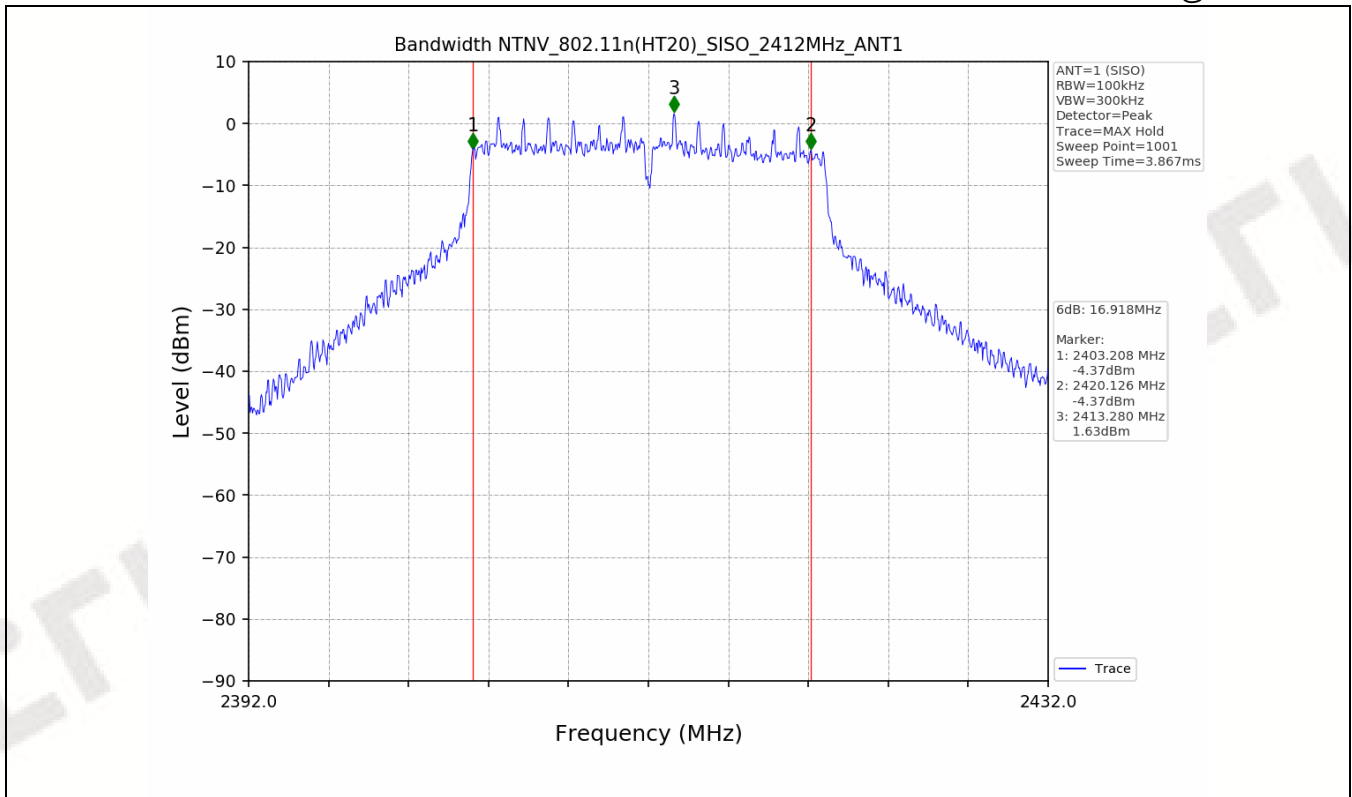




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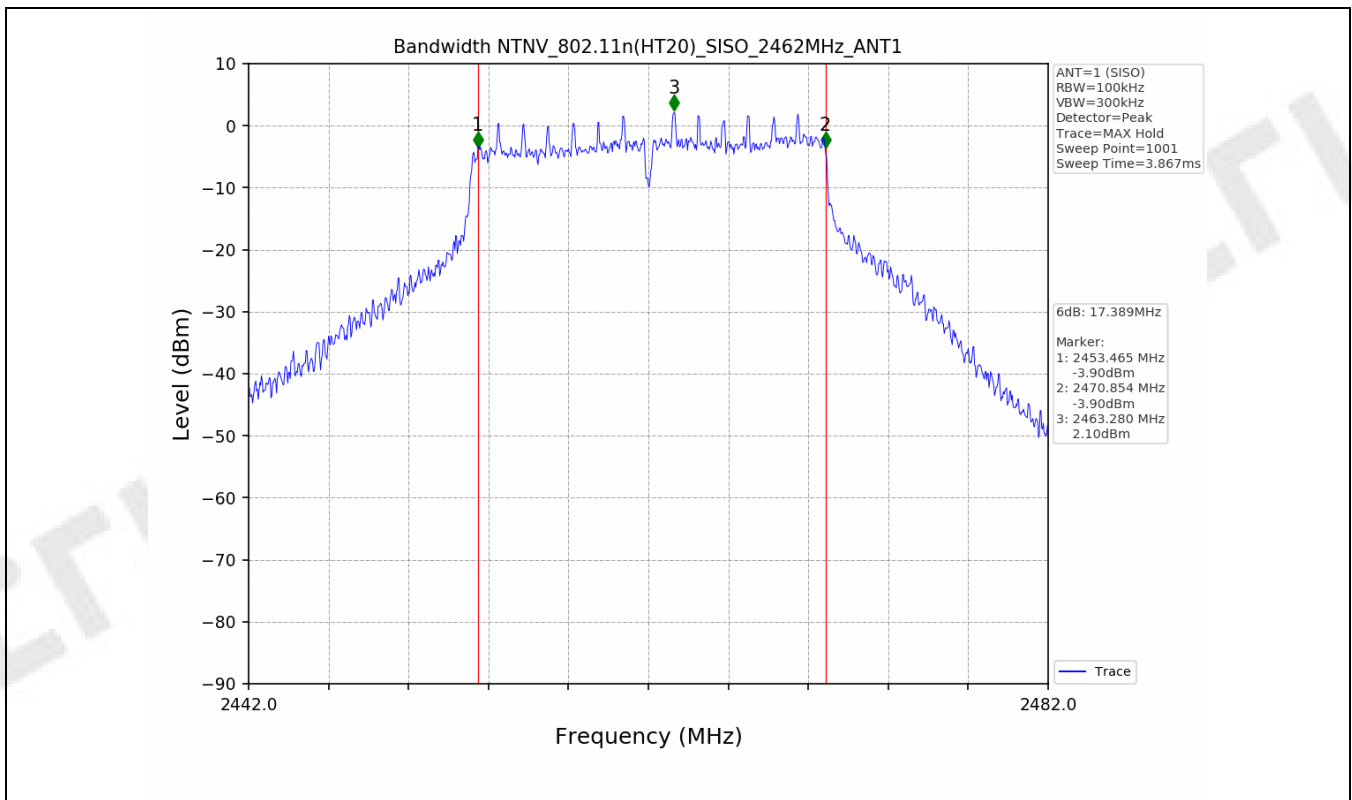


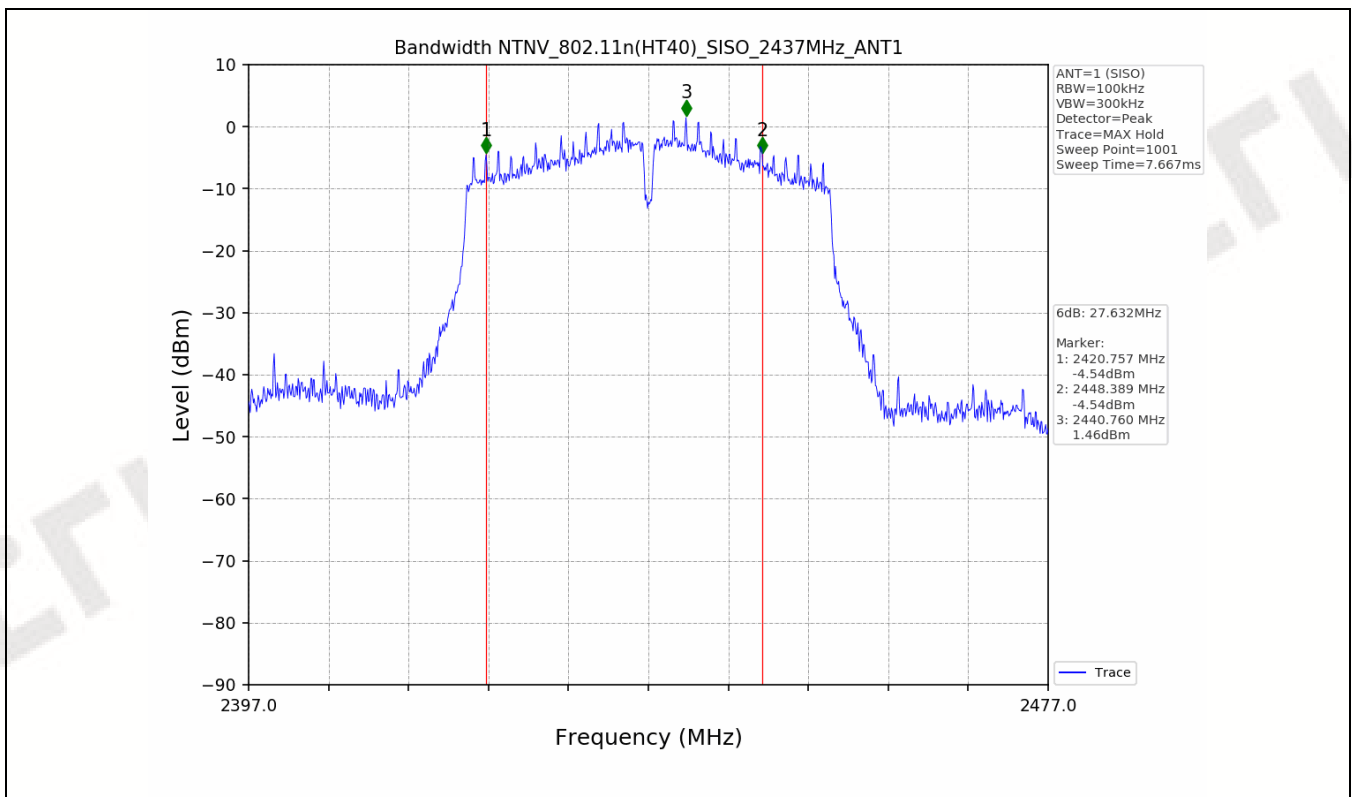
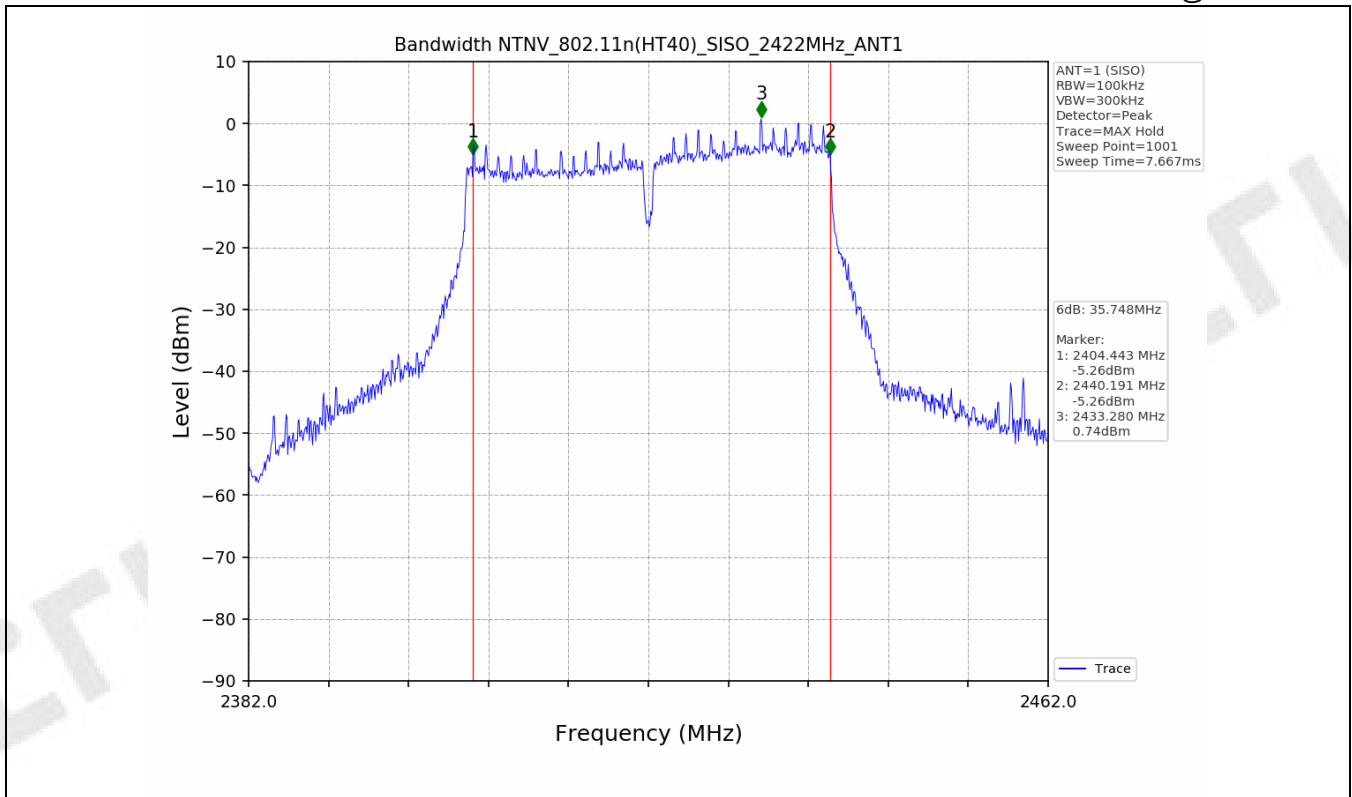




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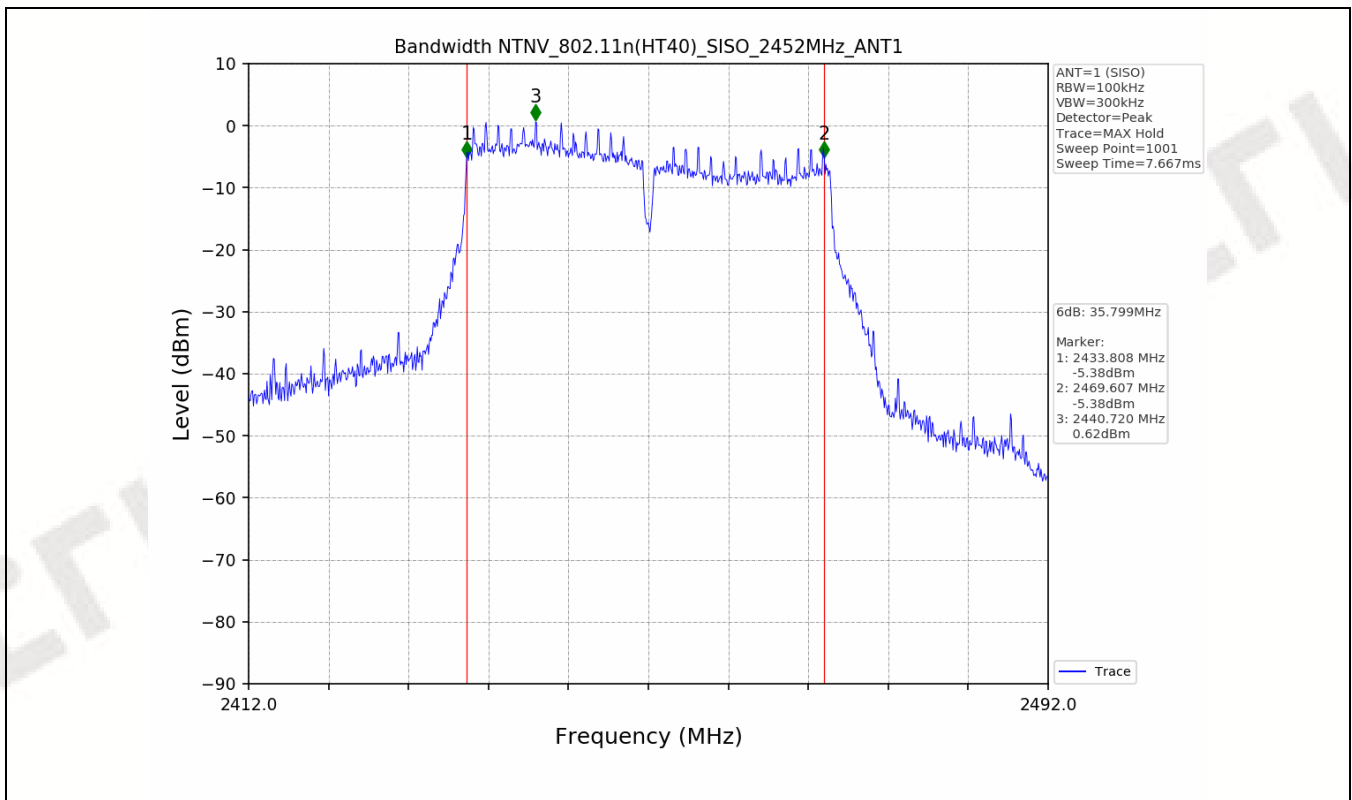




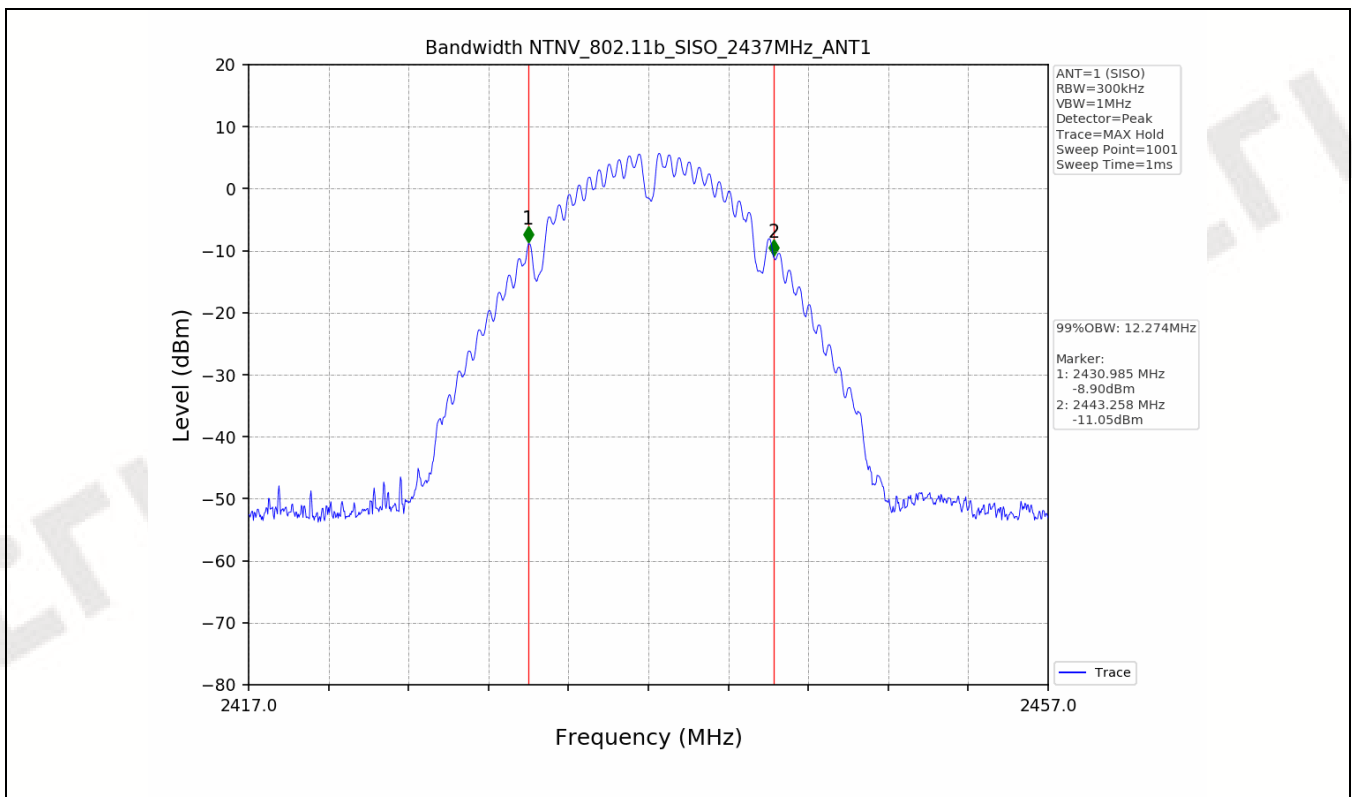
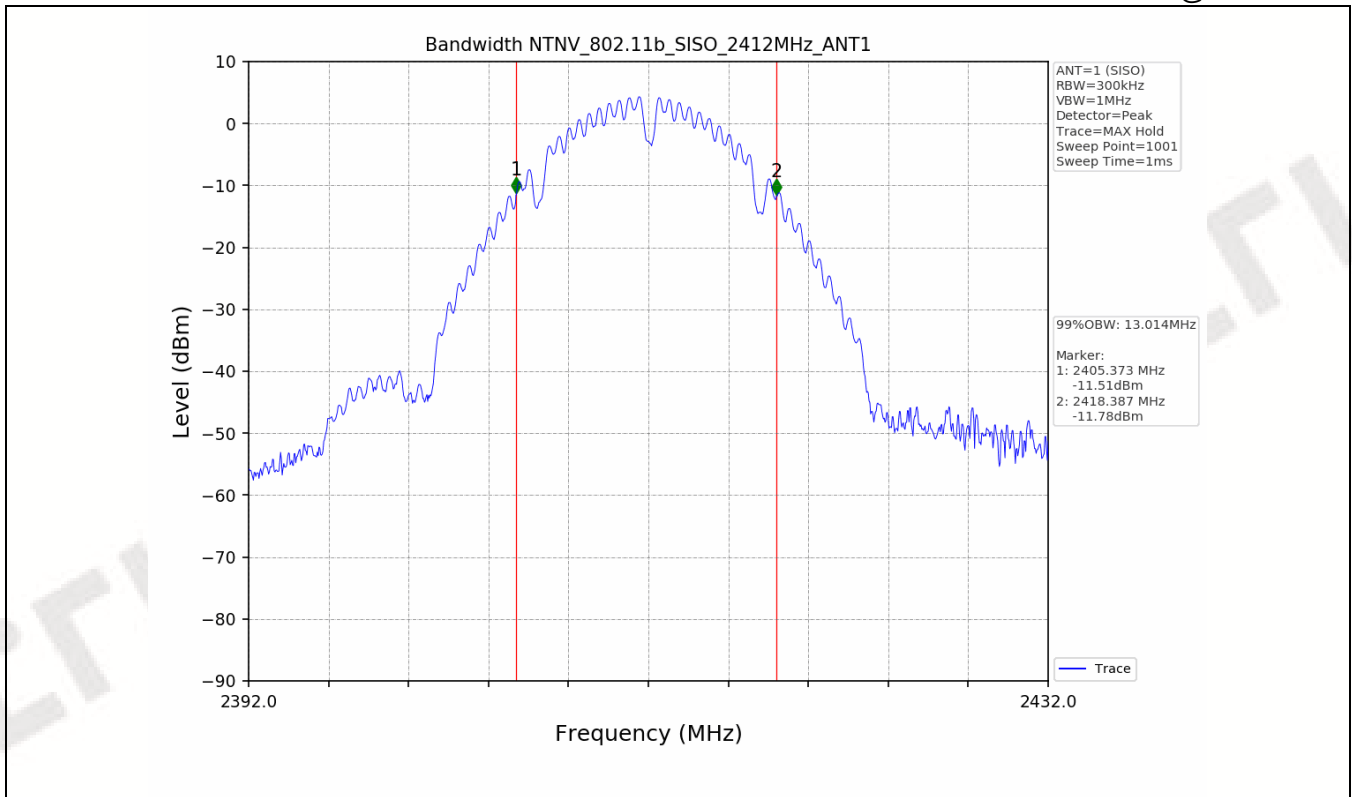


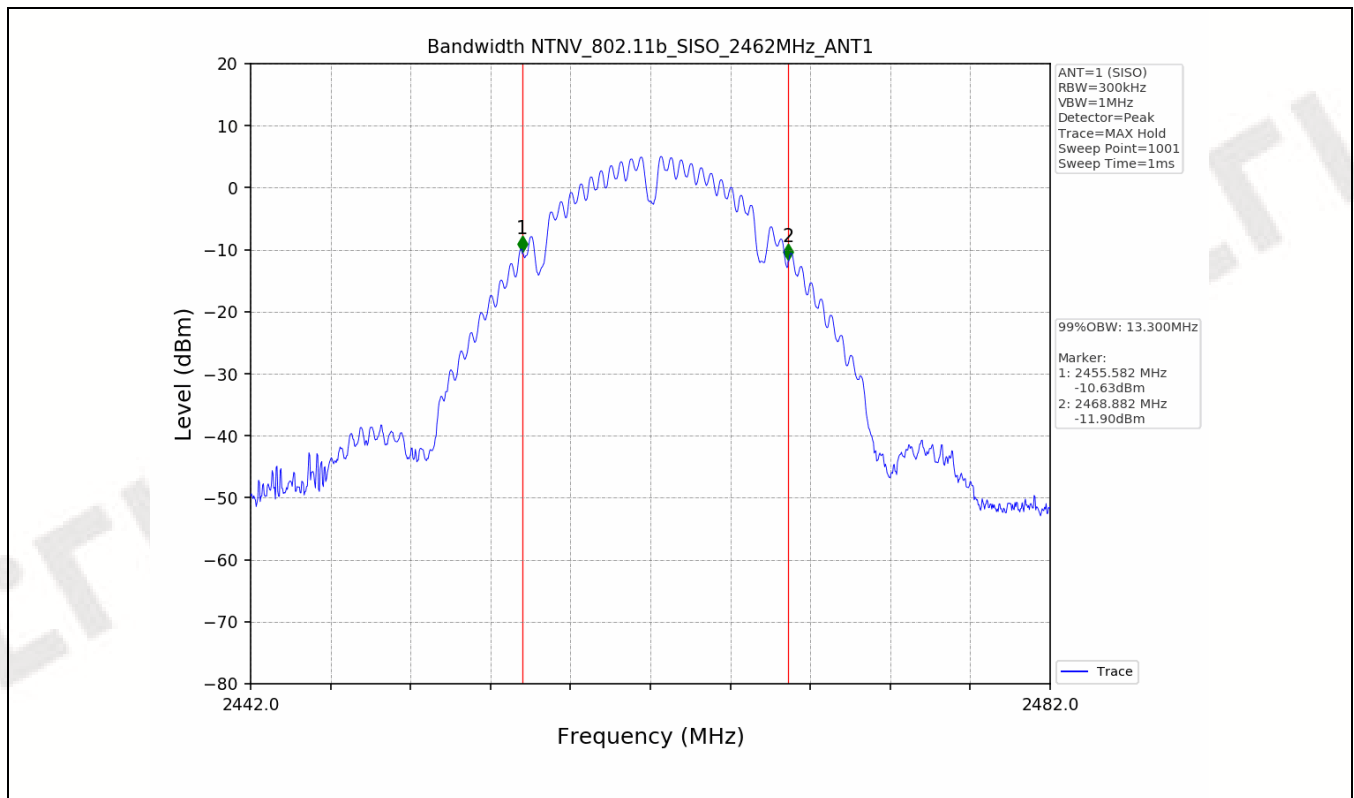
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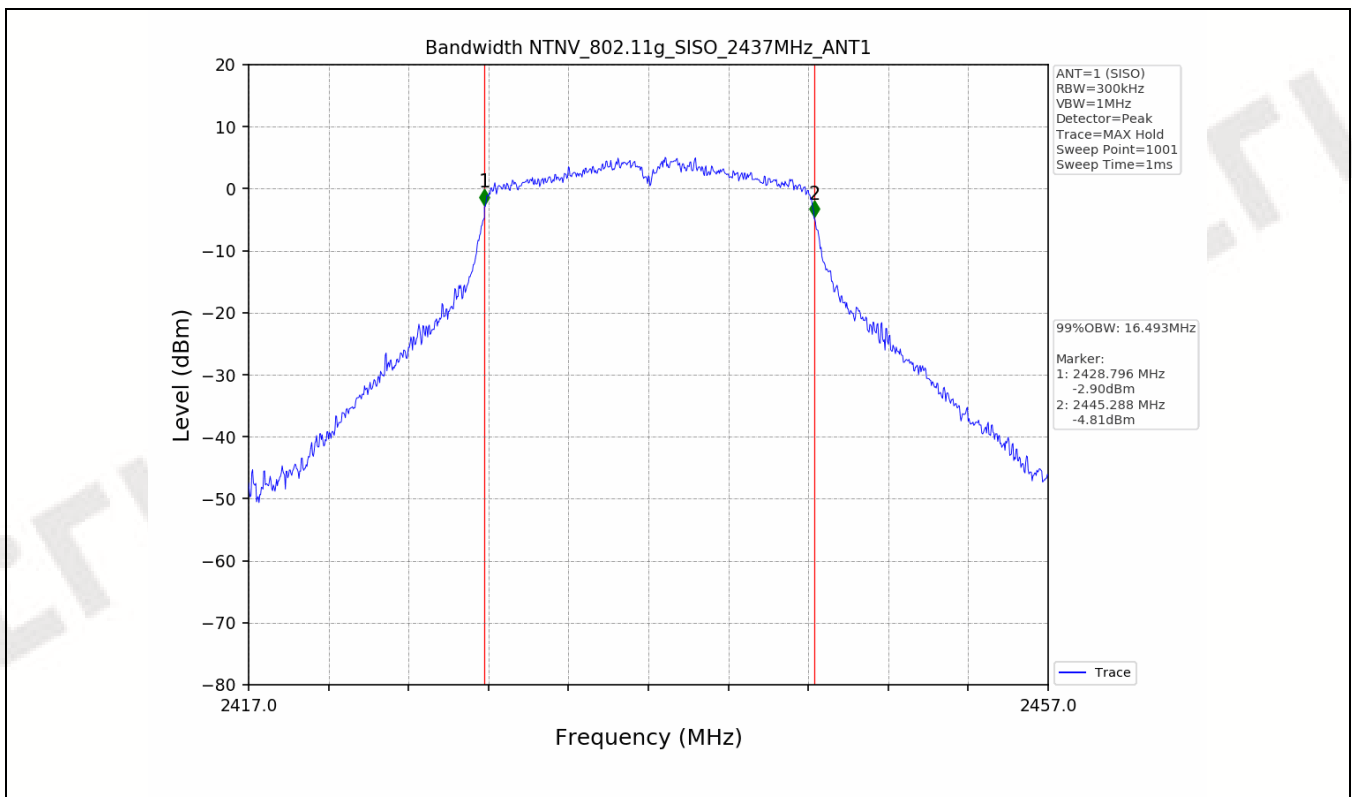
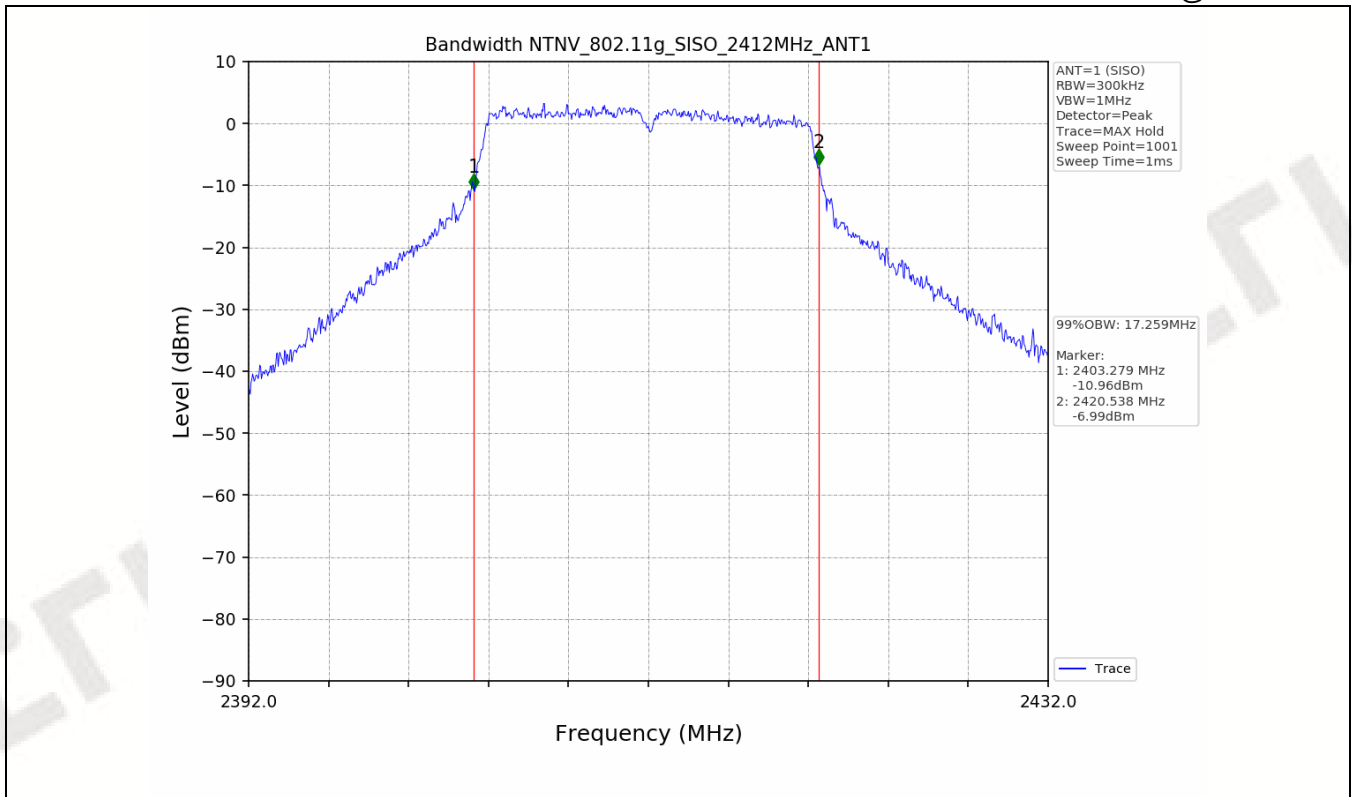
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1.3 Test Graph - 99% Occupied Bandwidth



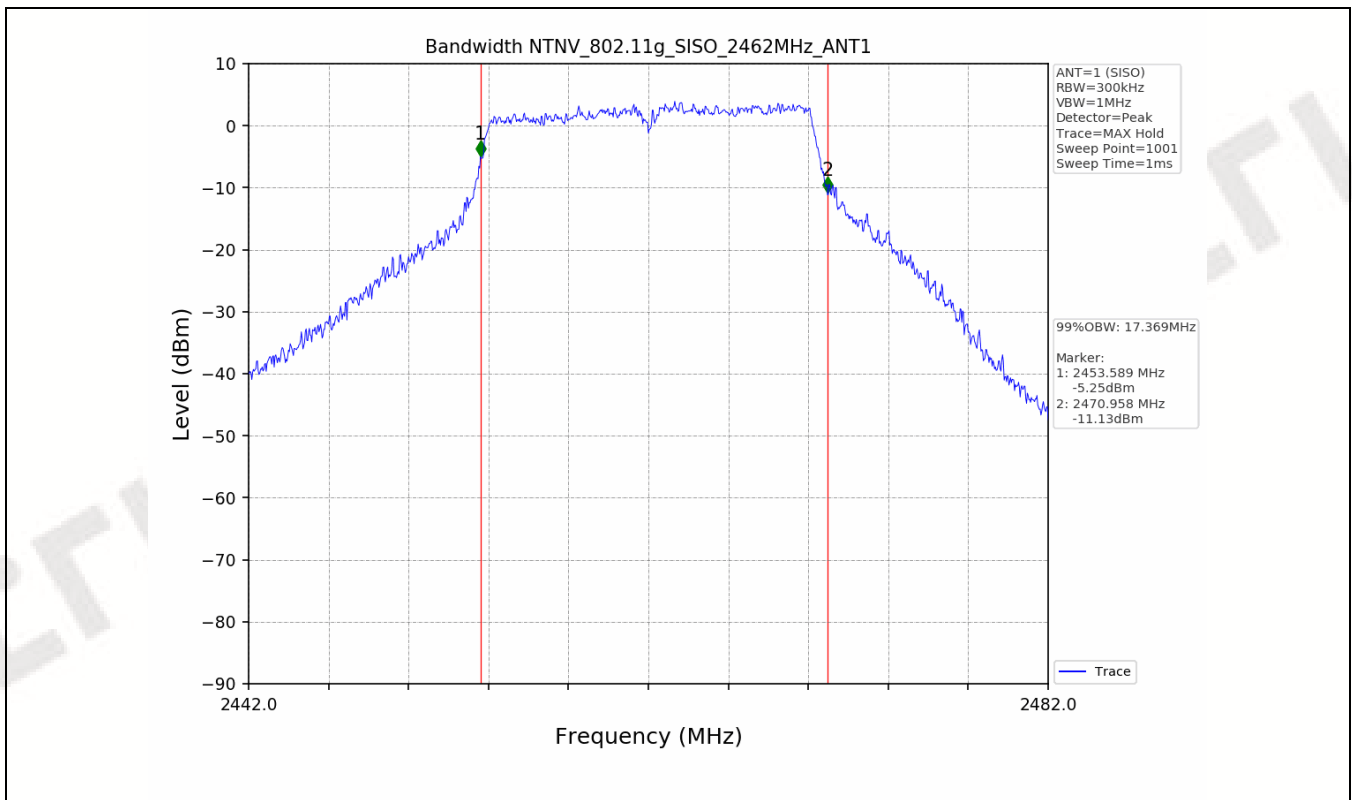


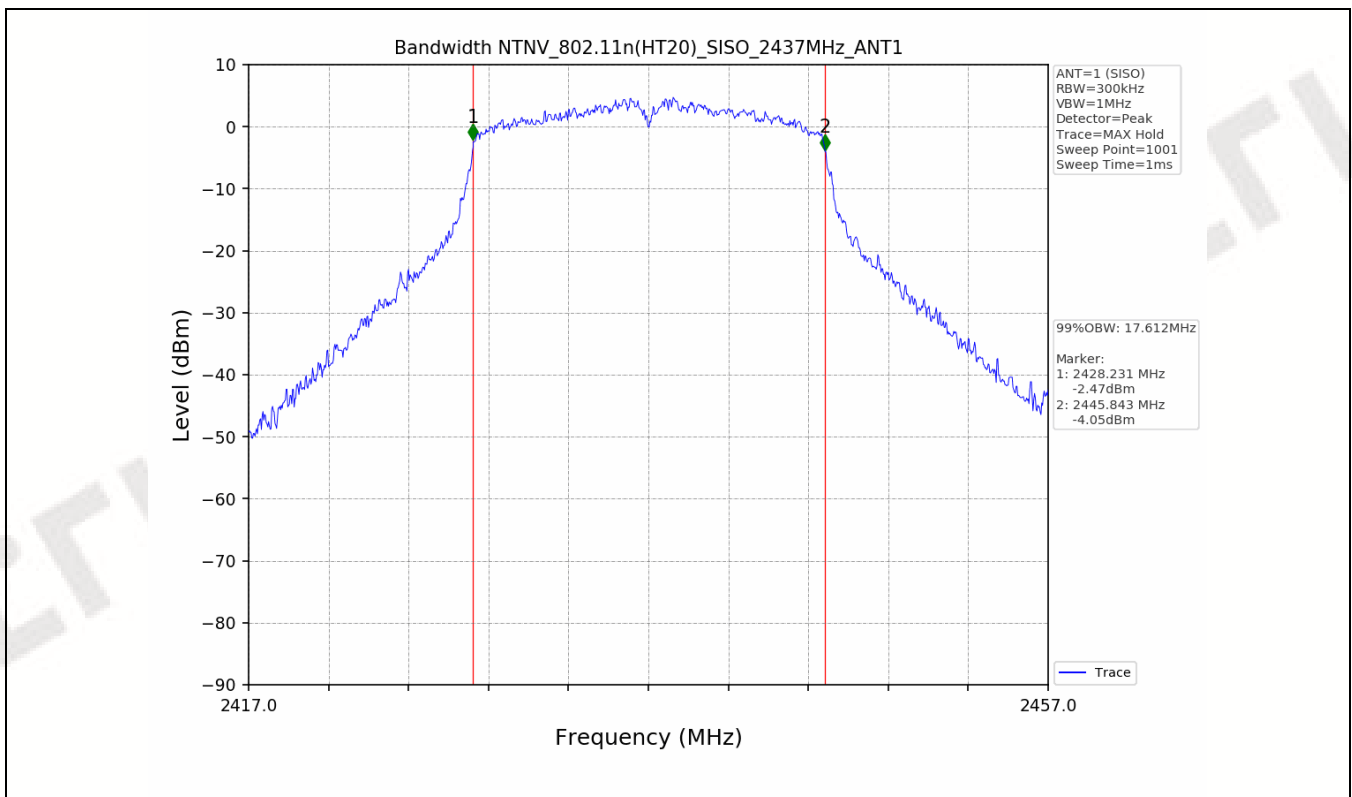
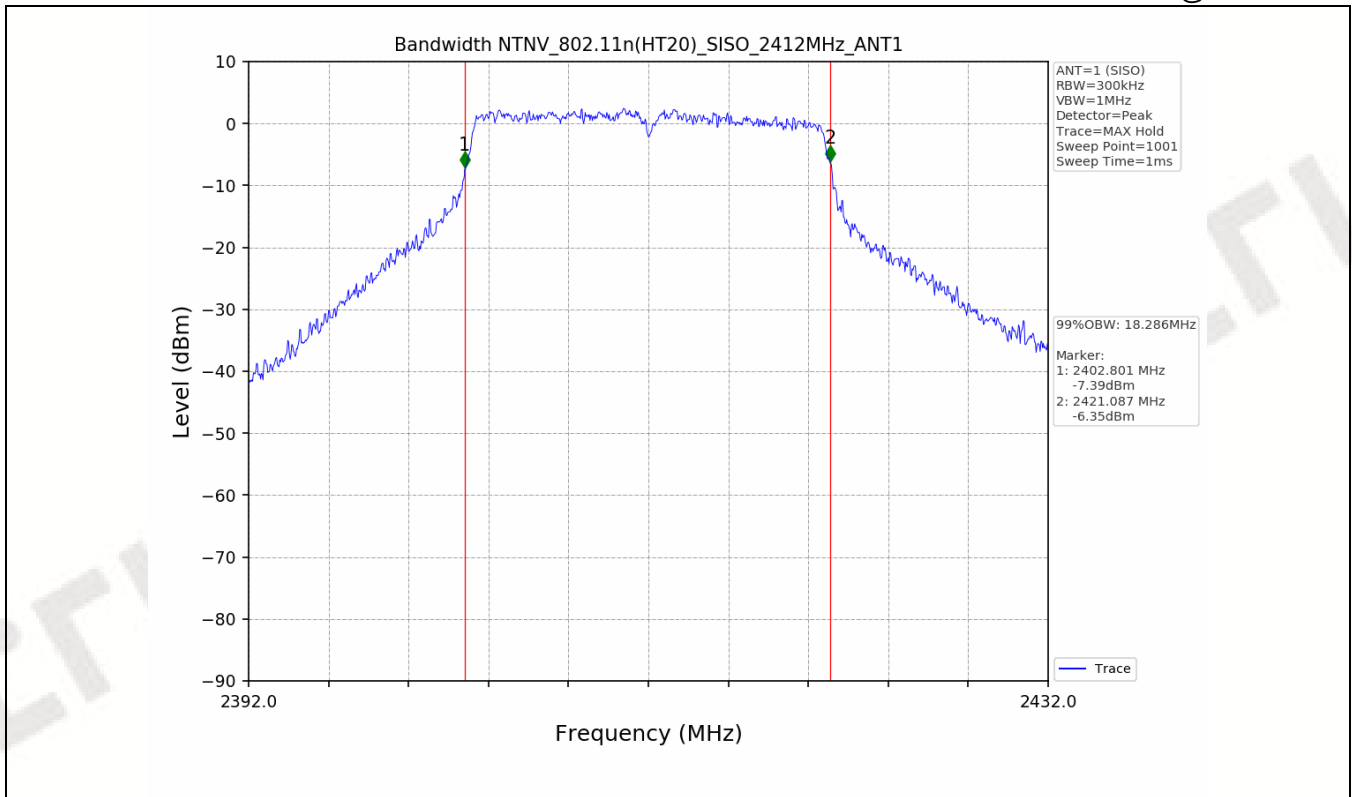




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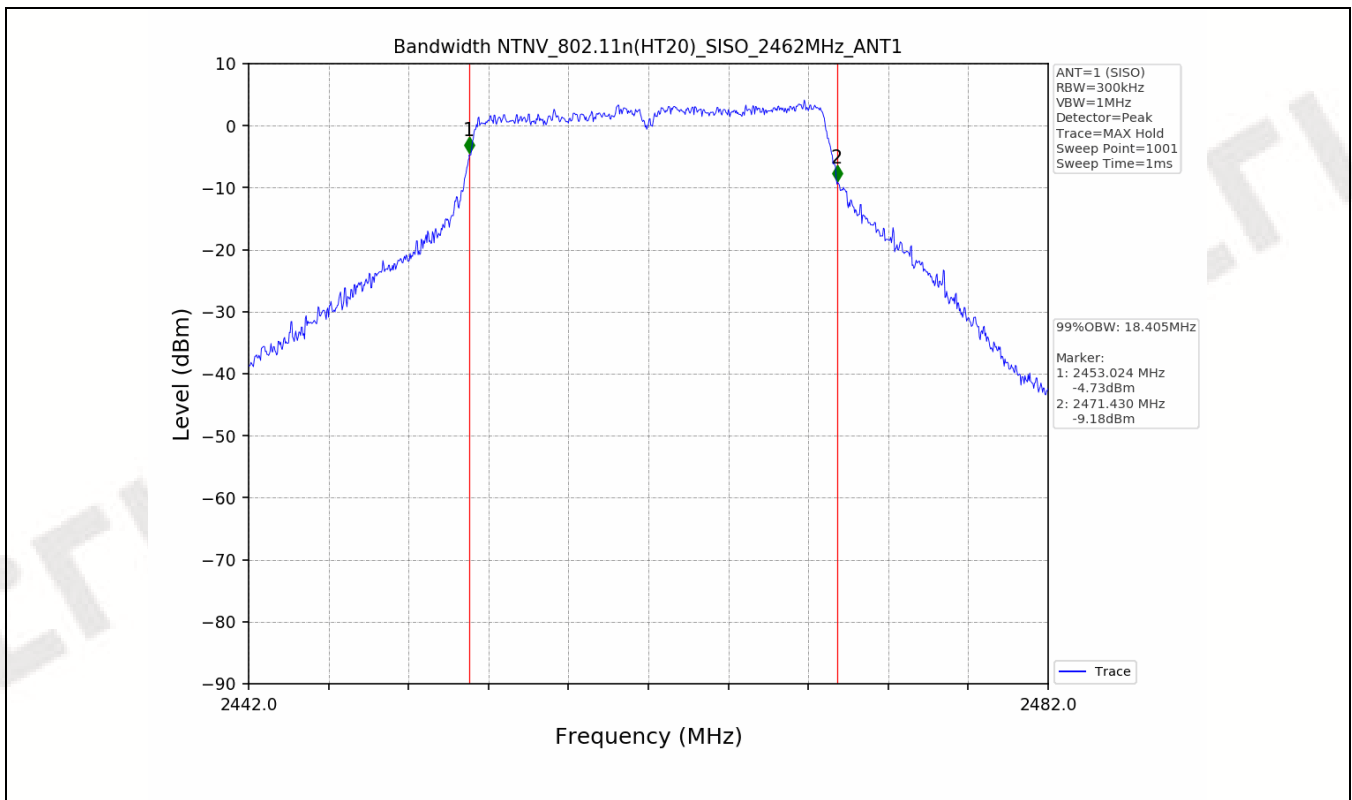


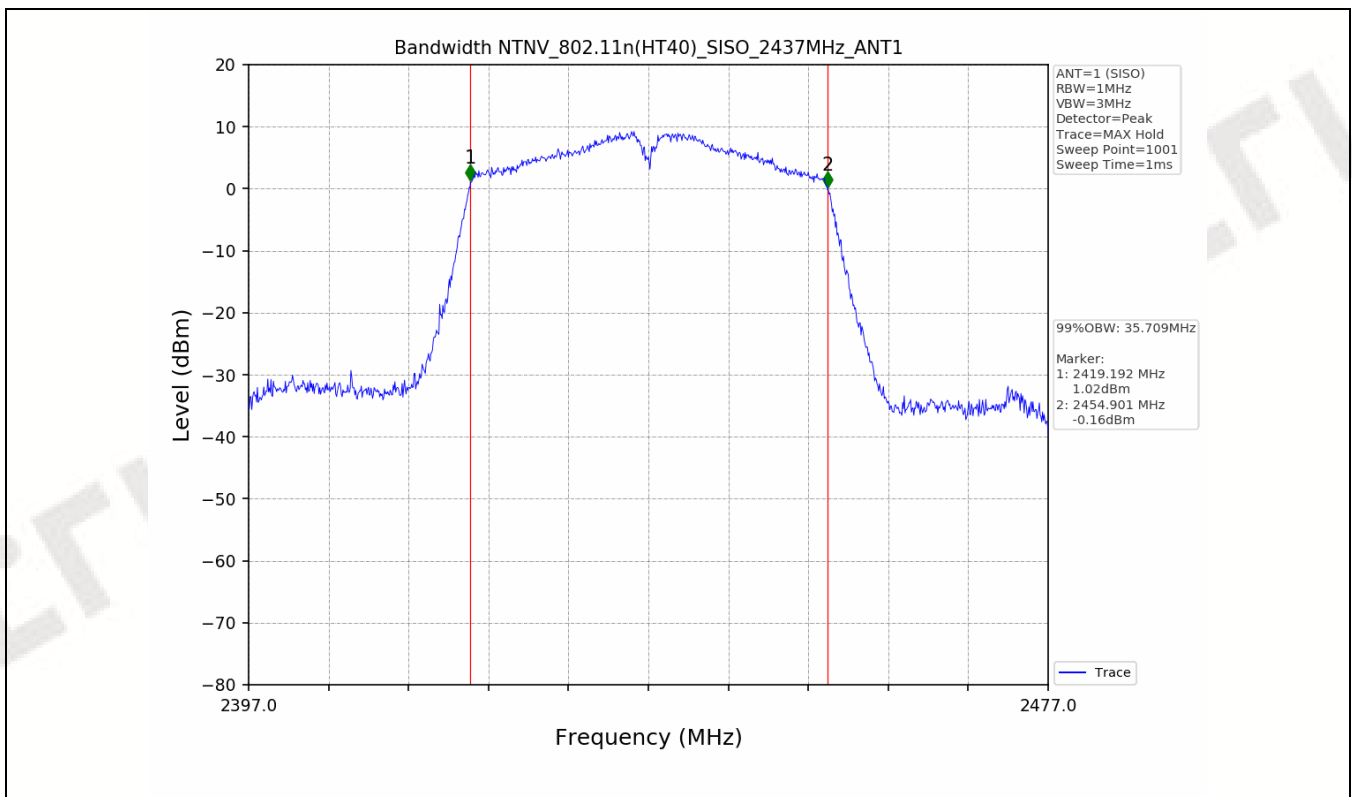
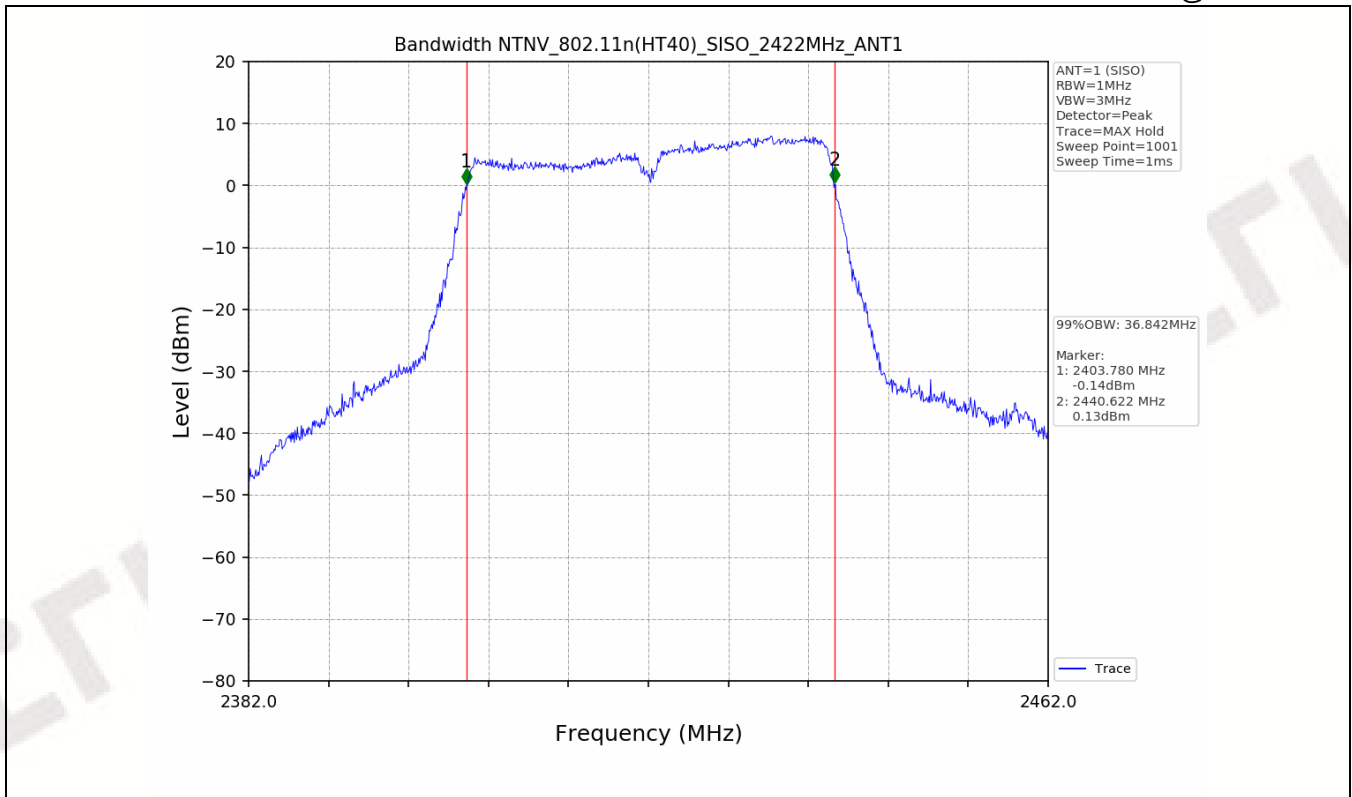


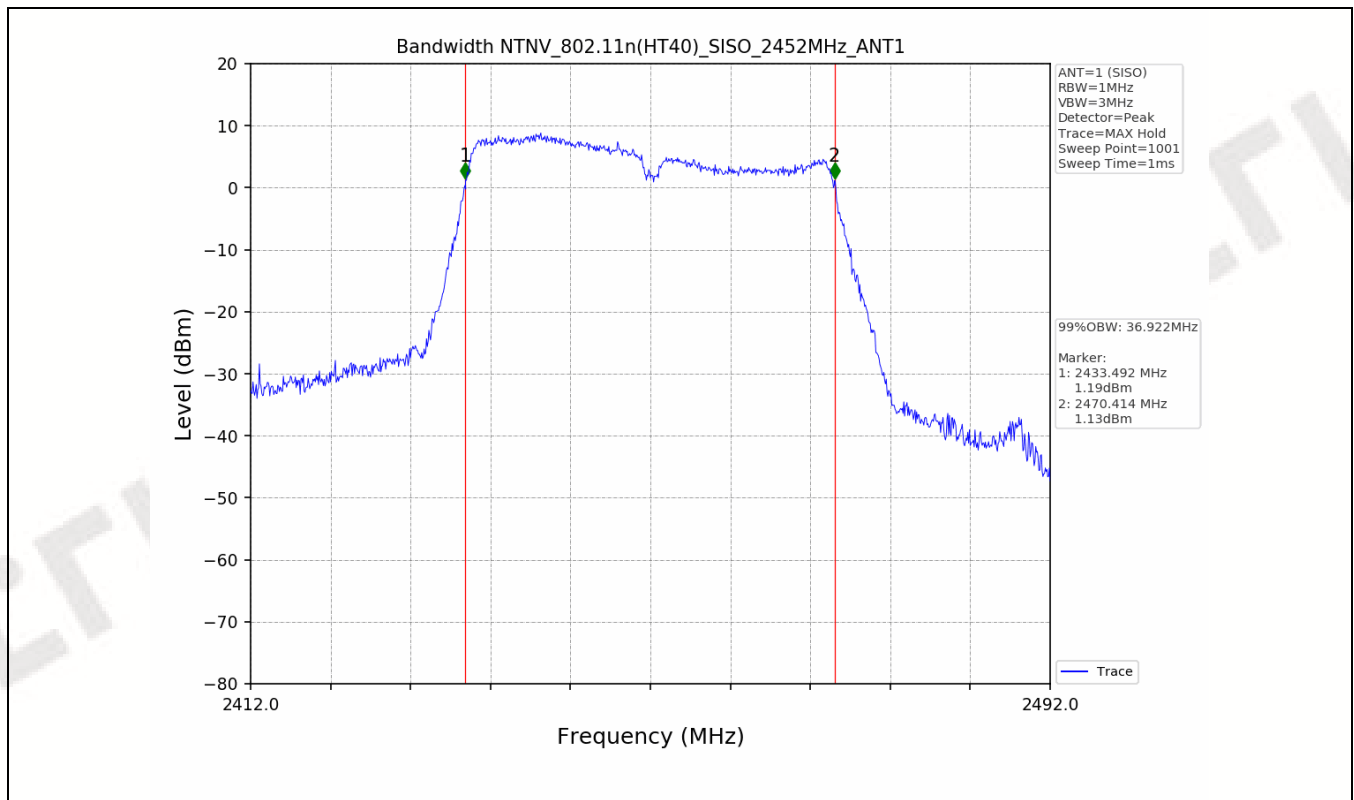


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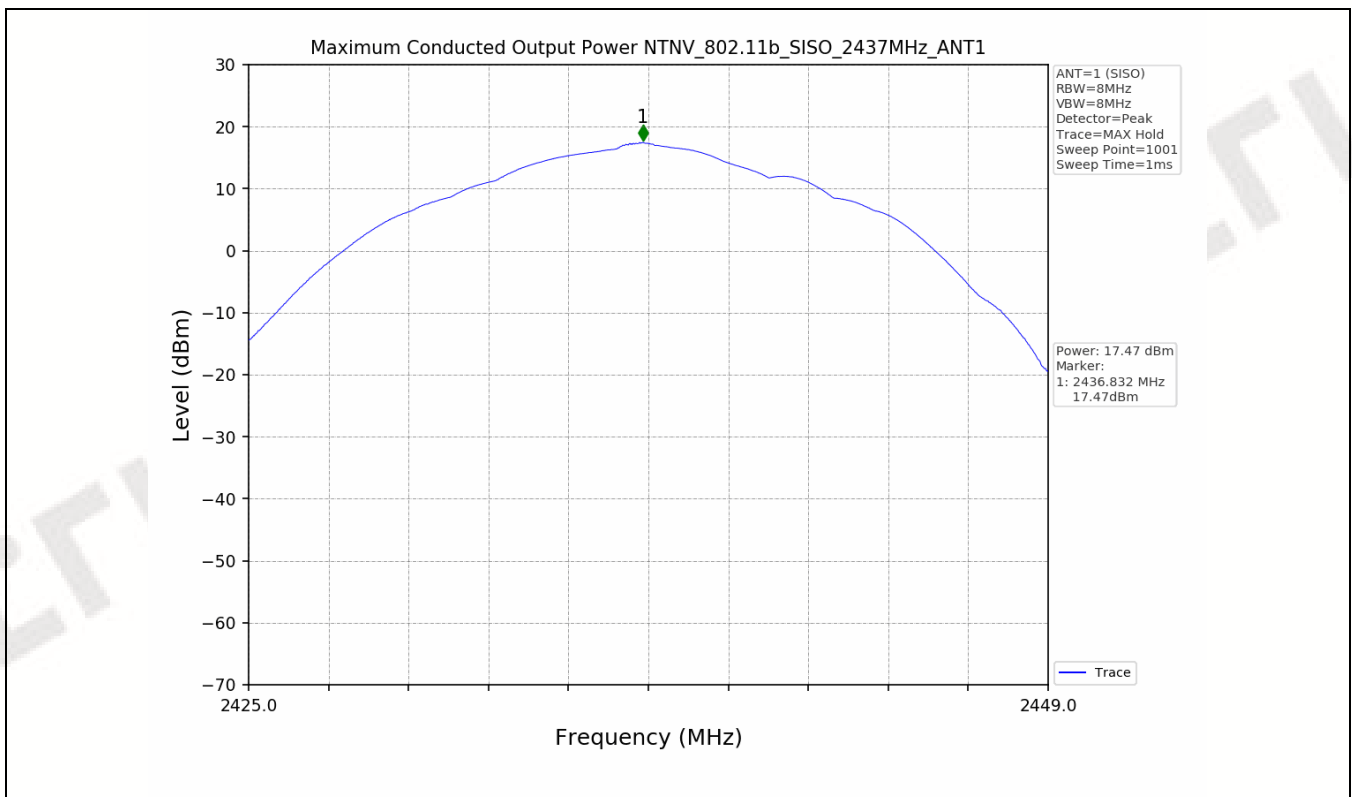
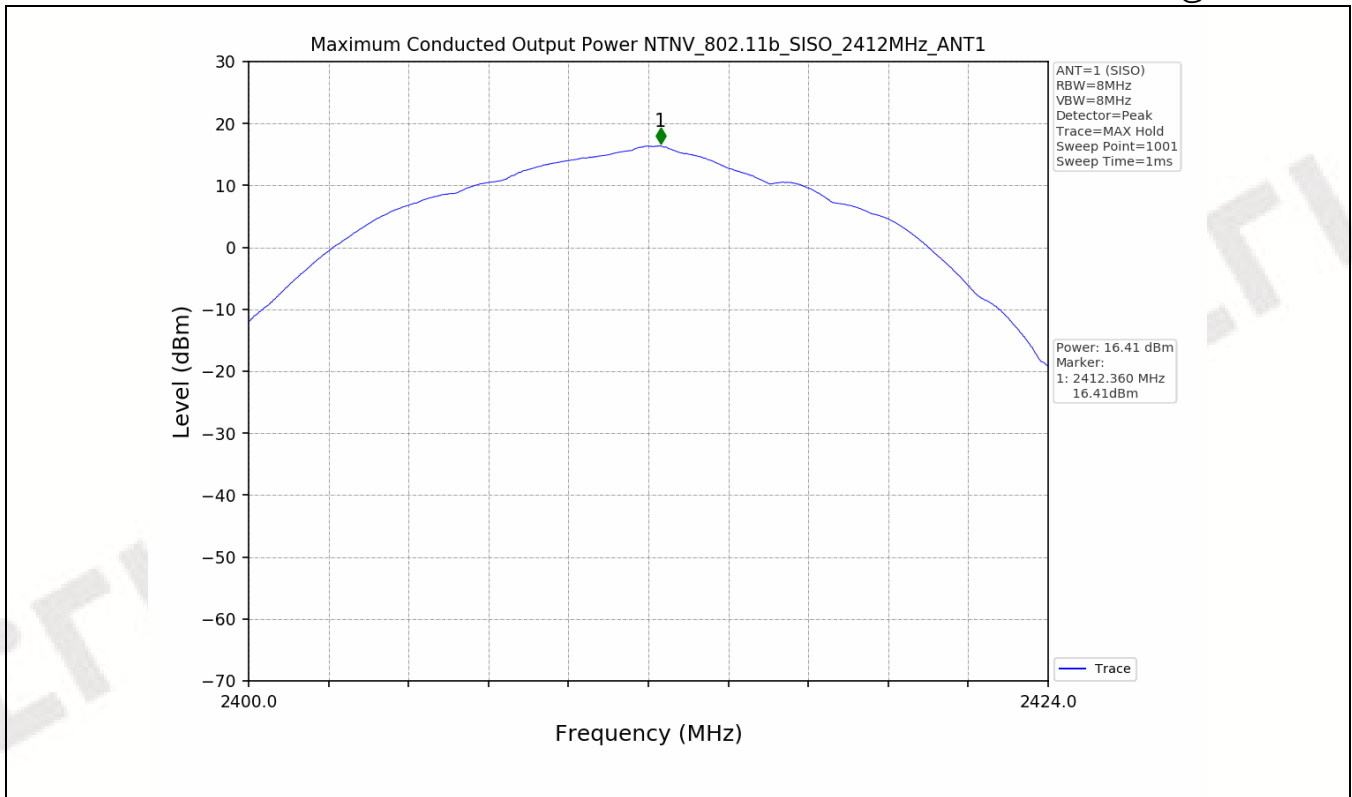


2. Maximum Conducted Output Power

2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	16.41	30	PASS
	2437	SISO	17.47	30	PASS
	2462	SISO	14.93	30	PASS
802.11g	2412	SISO	18.93	30	PASS
	2437	SISO	20.03	30	PASS
	2462	SISO	19.68	30	PASS
802.11n(HT20)	2412	SISO	18.86	30	PASS
	2437	SISO	19.62	30	PASS
	2462	SISO	19.70	30	PASS
802.11n(HT40)	2422	SISO	20.24	30	PASS
	2437	SISO	20.49	30	PASS
	2452	SISO	20.51	30	PASS

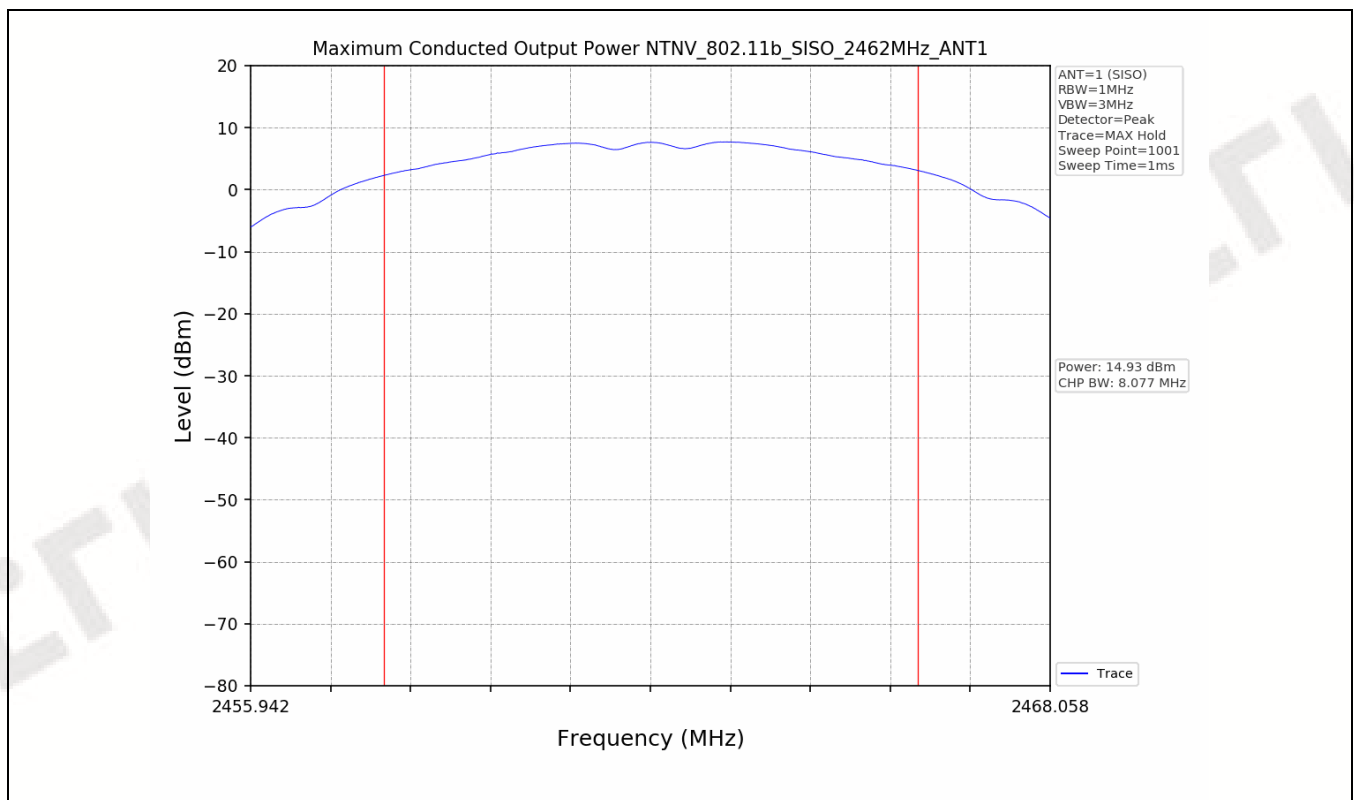
2.2 Test Graph

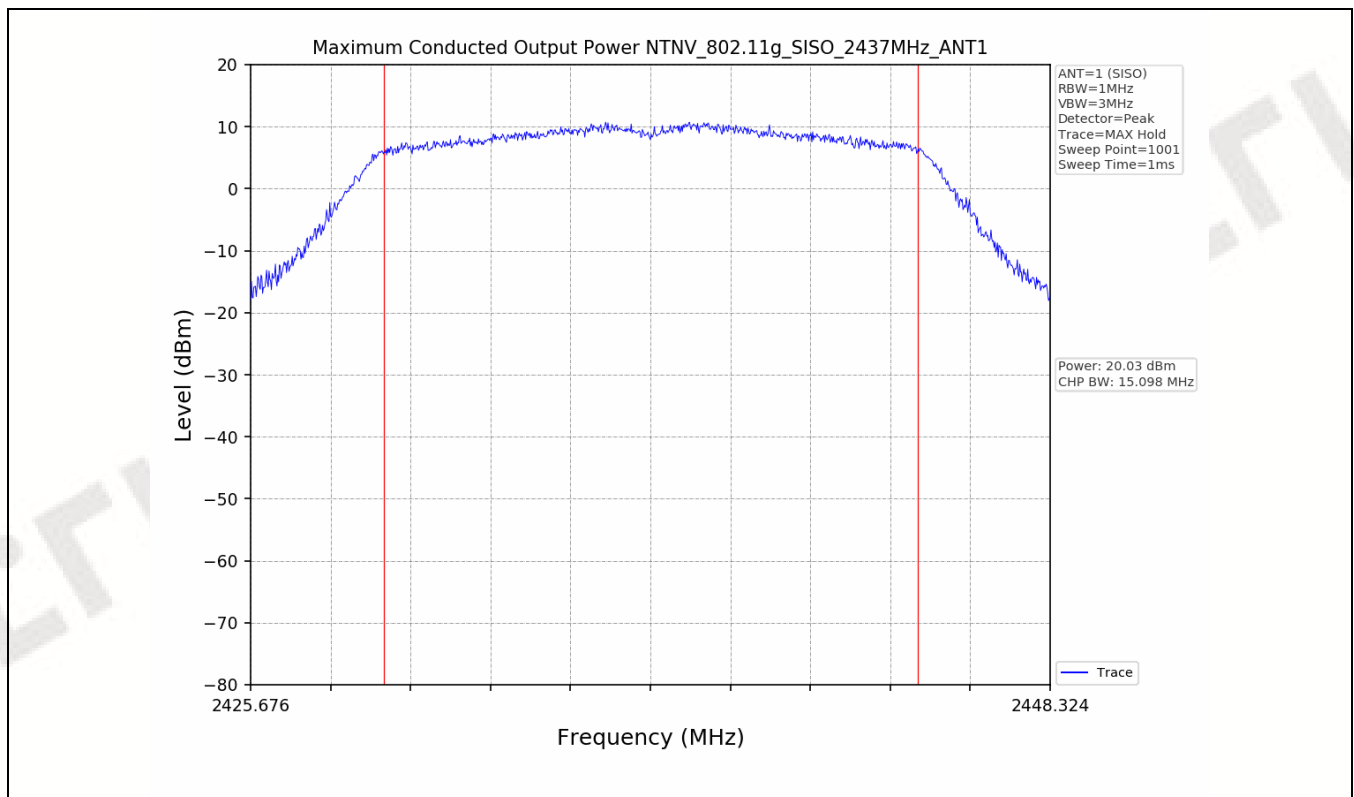
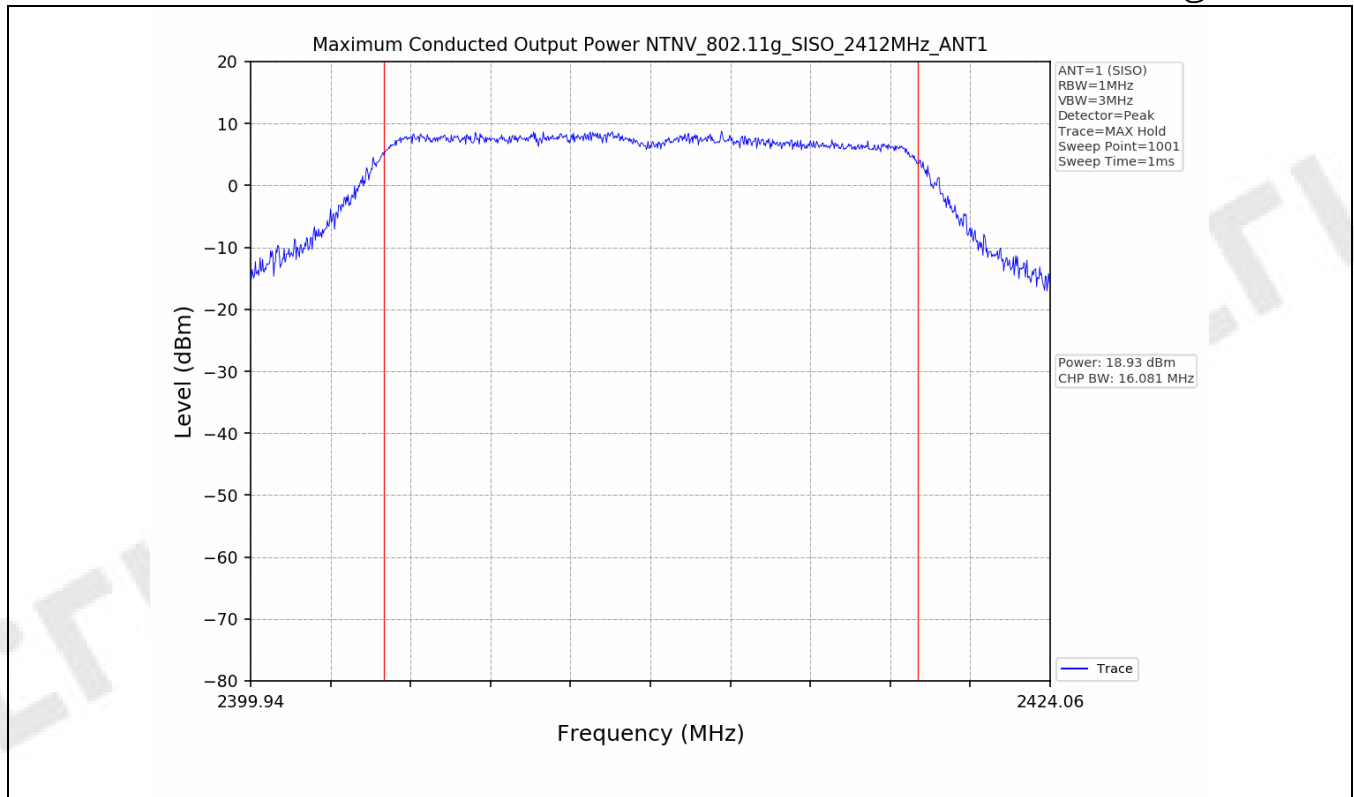




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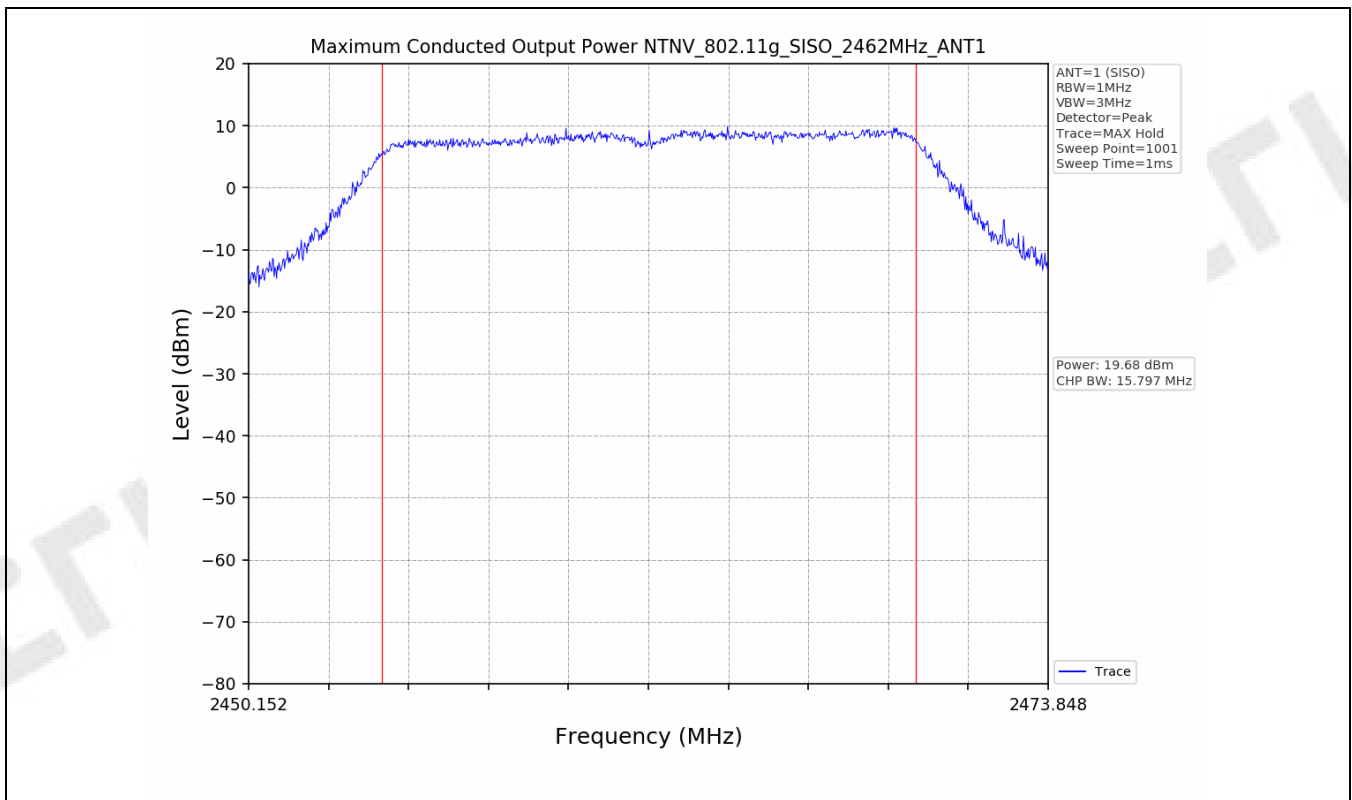


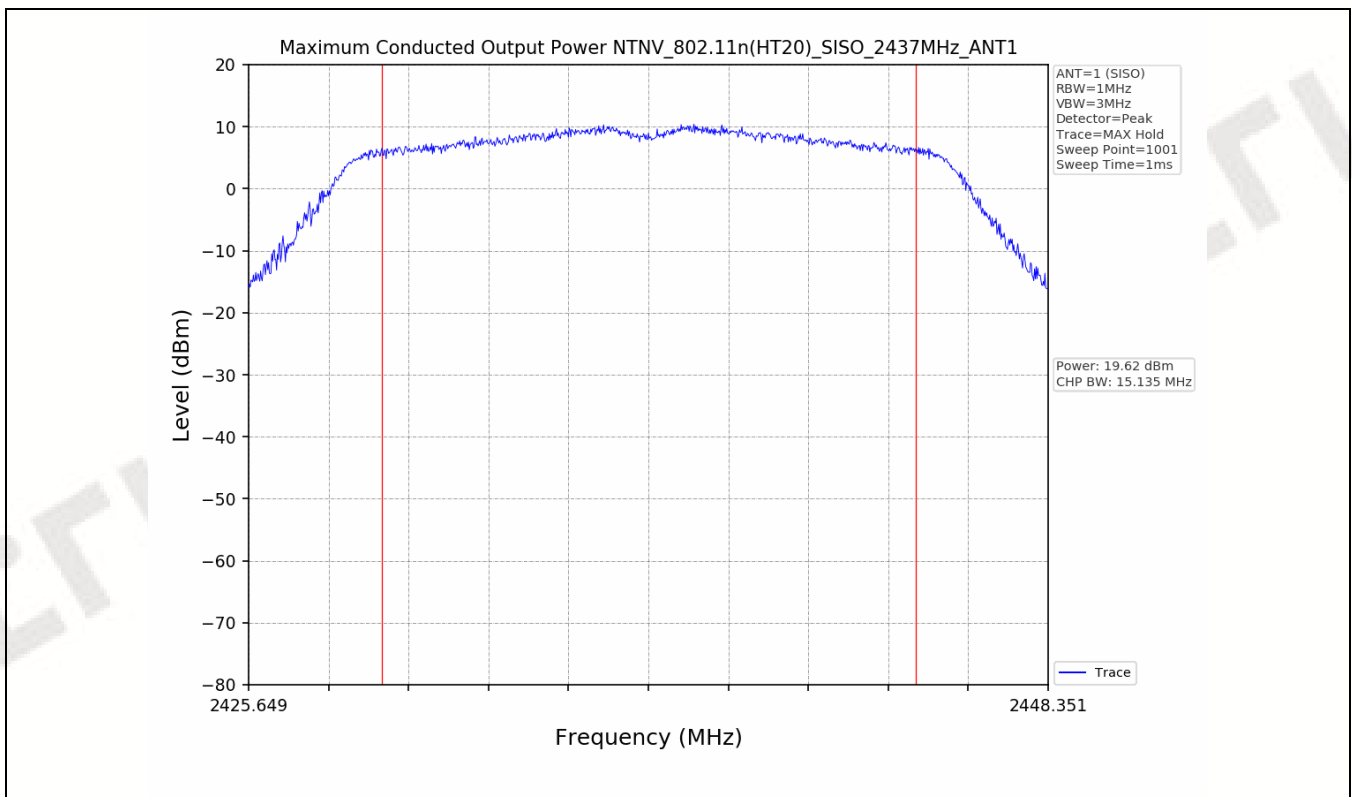
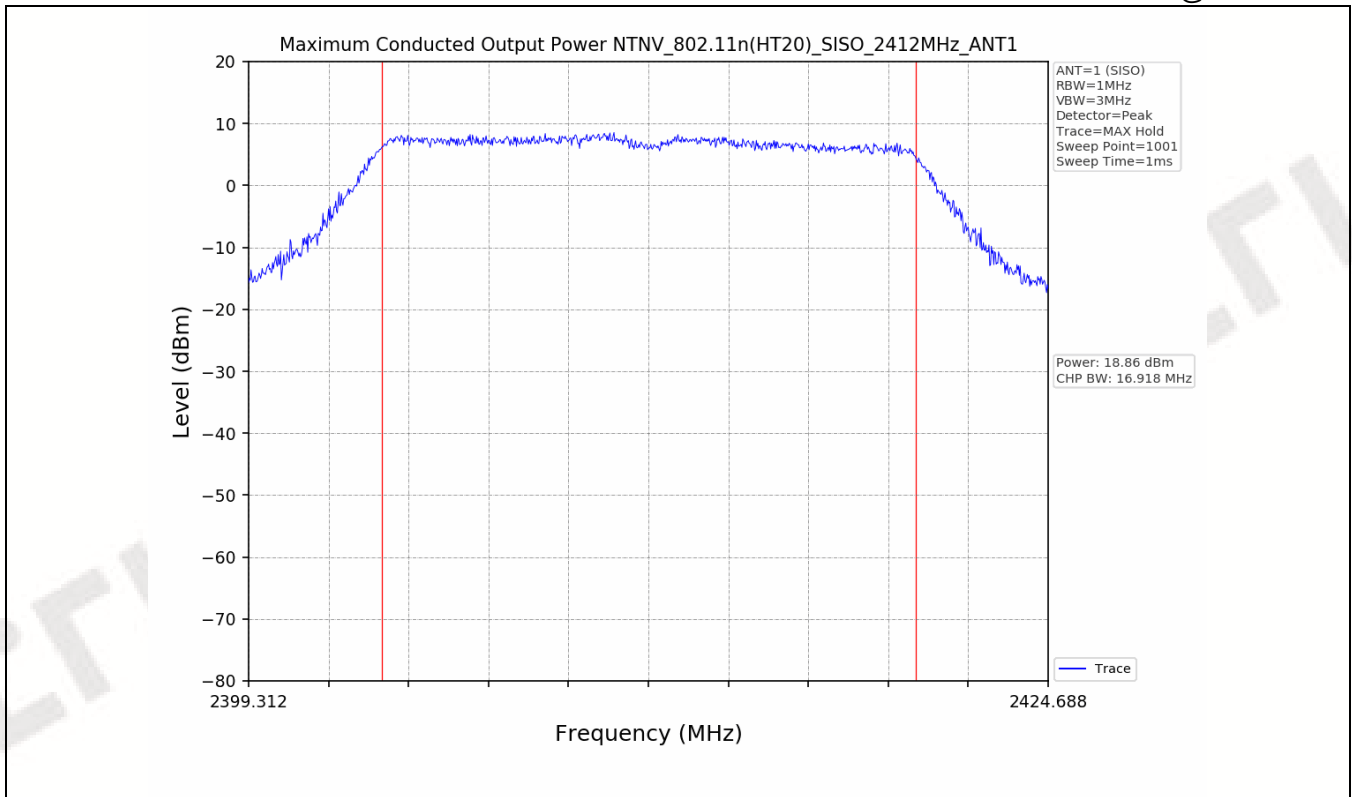




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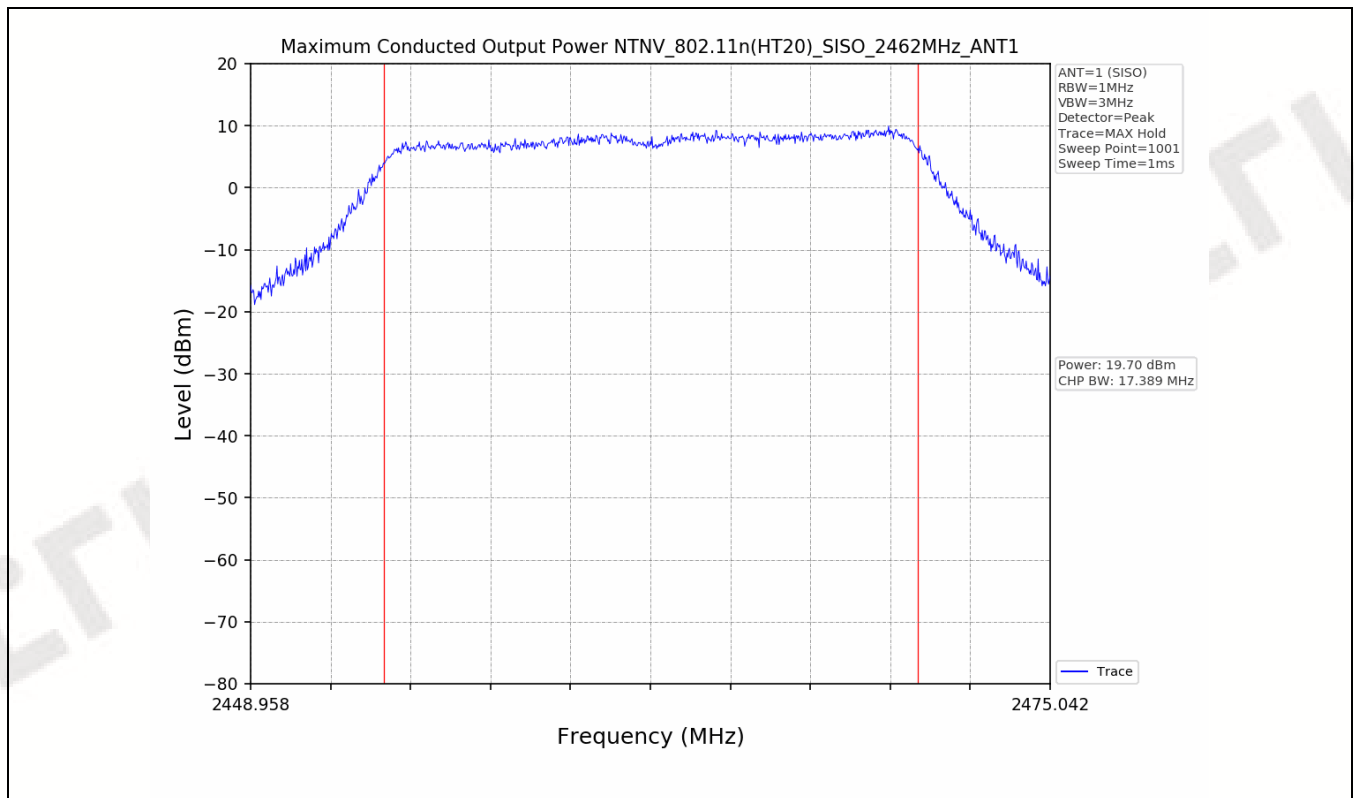


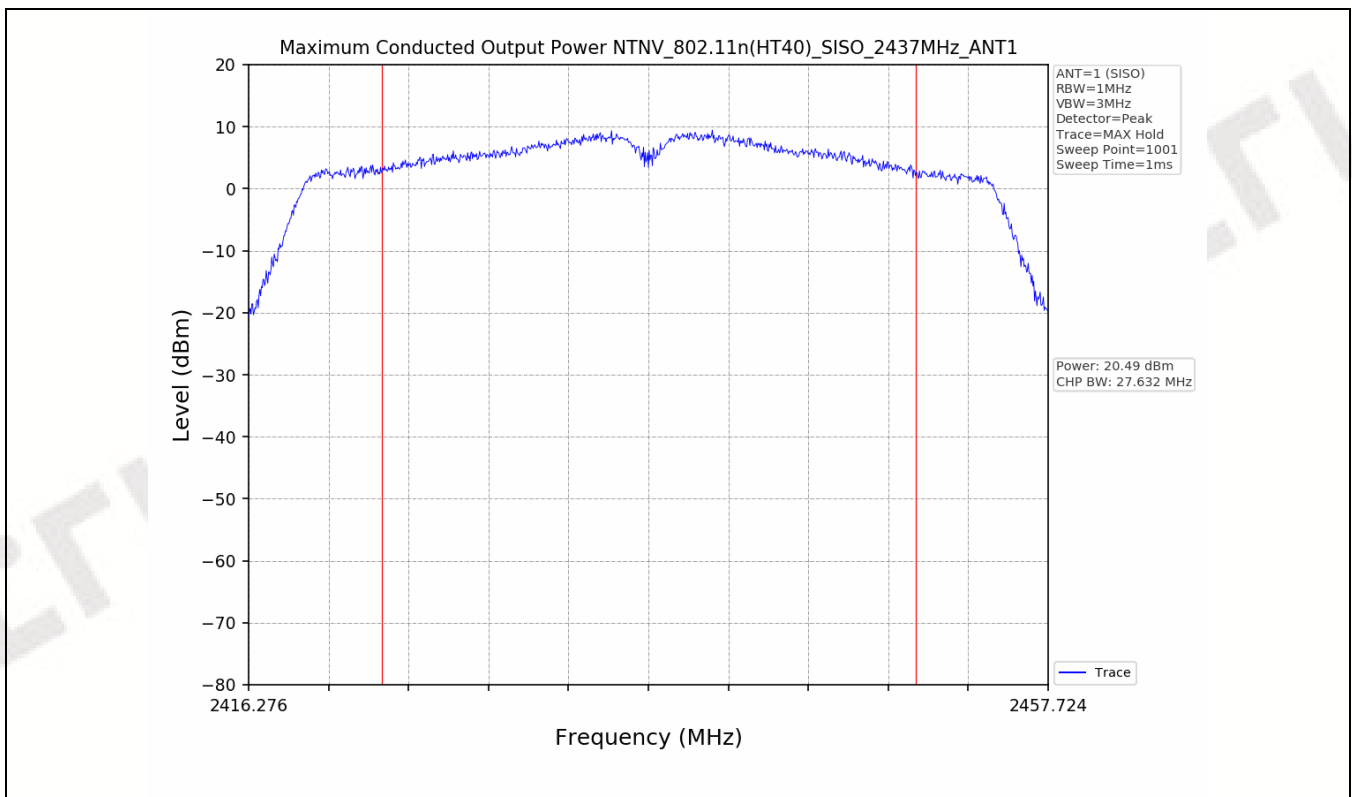
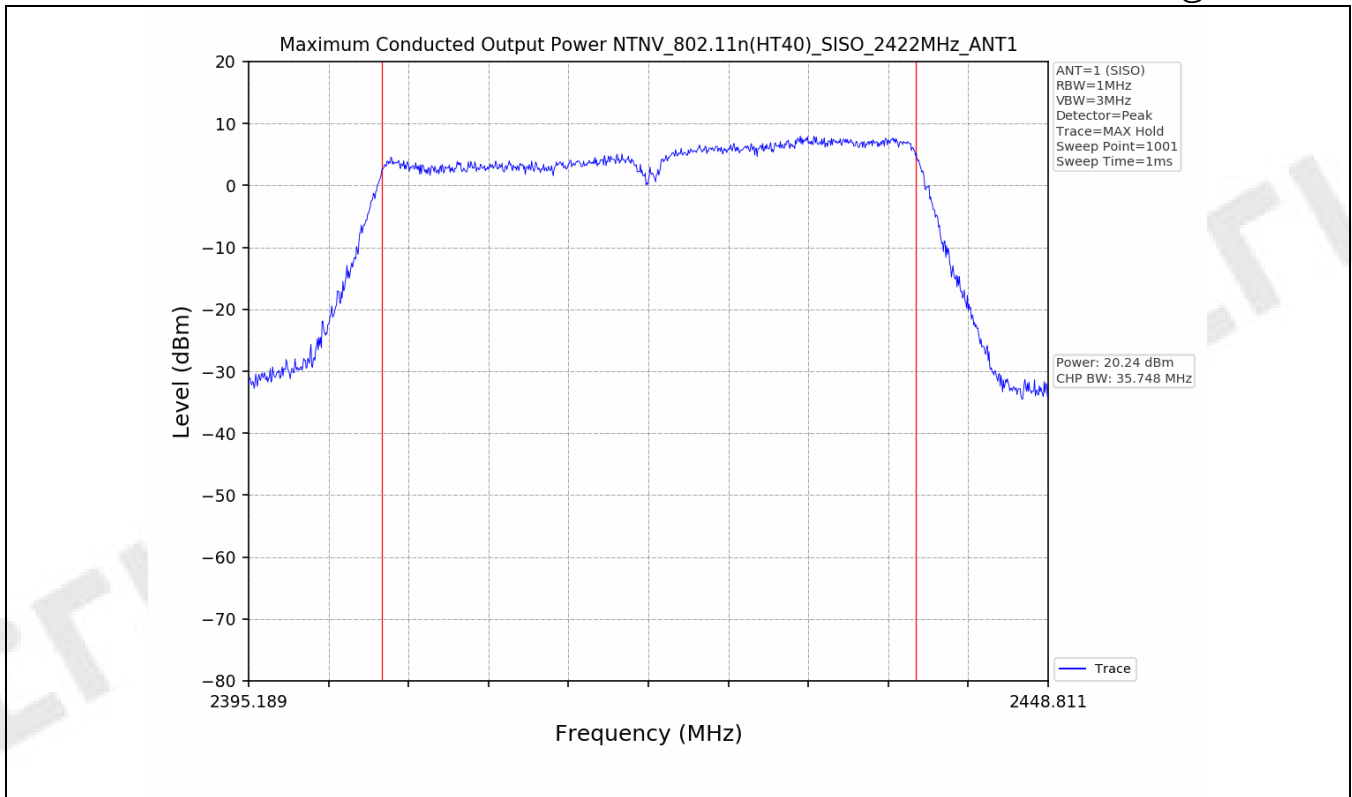




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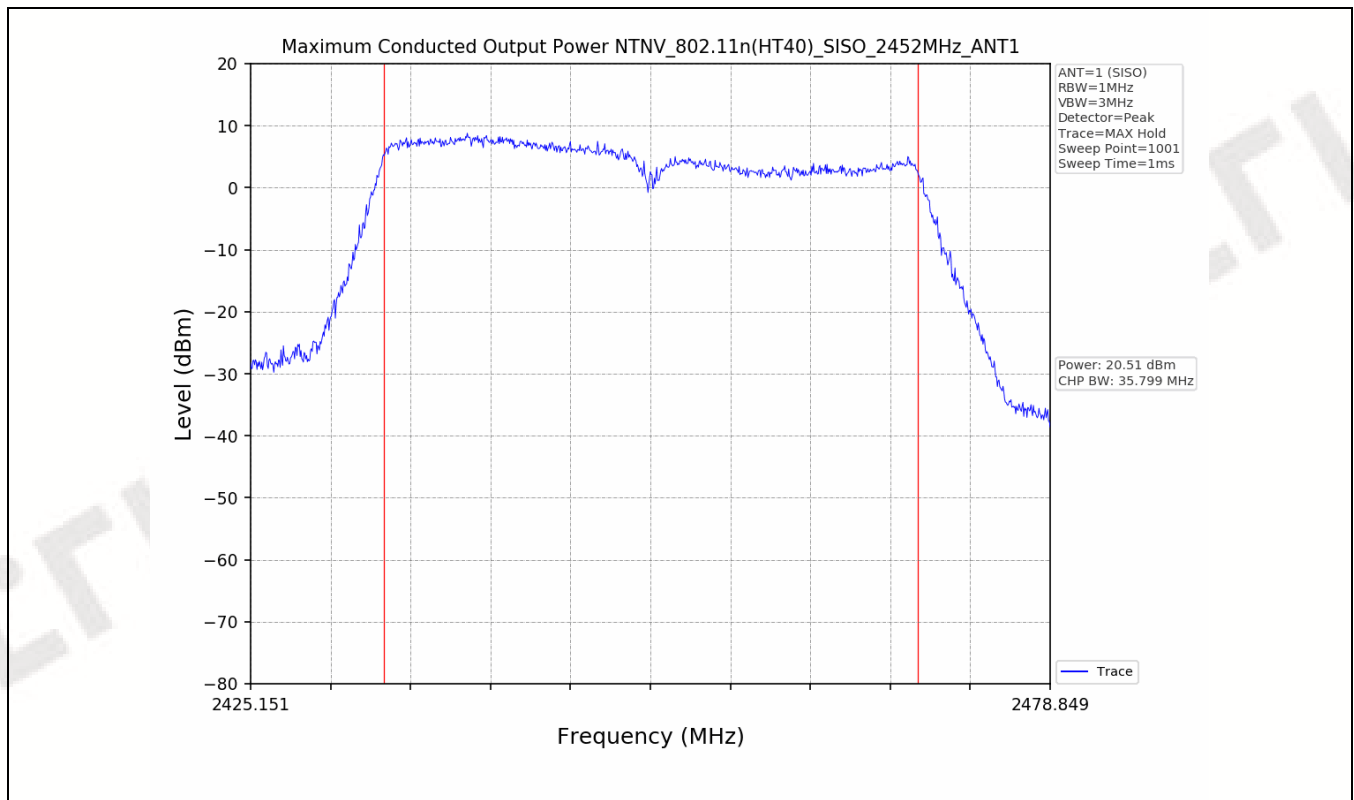






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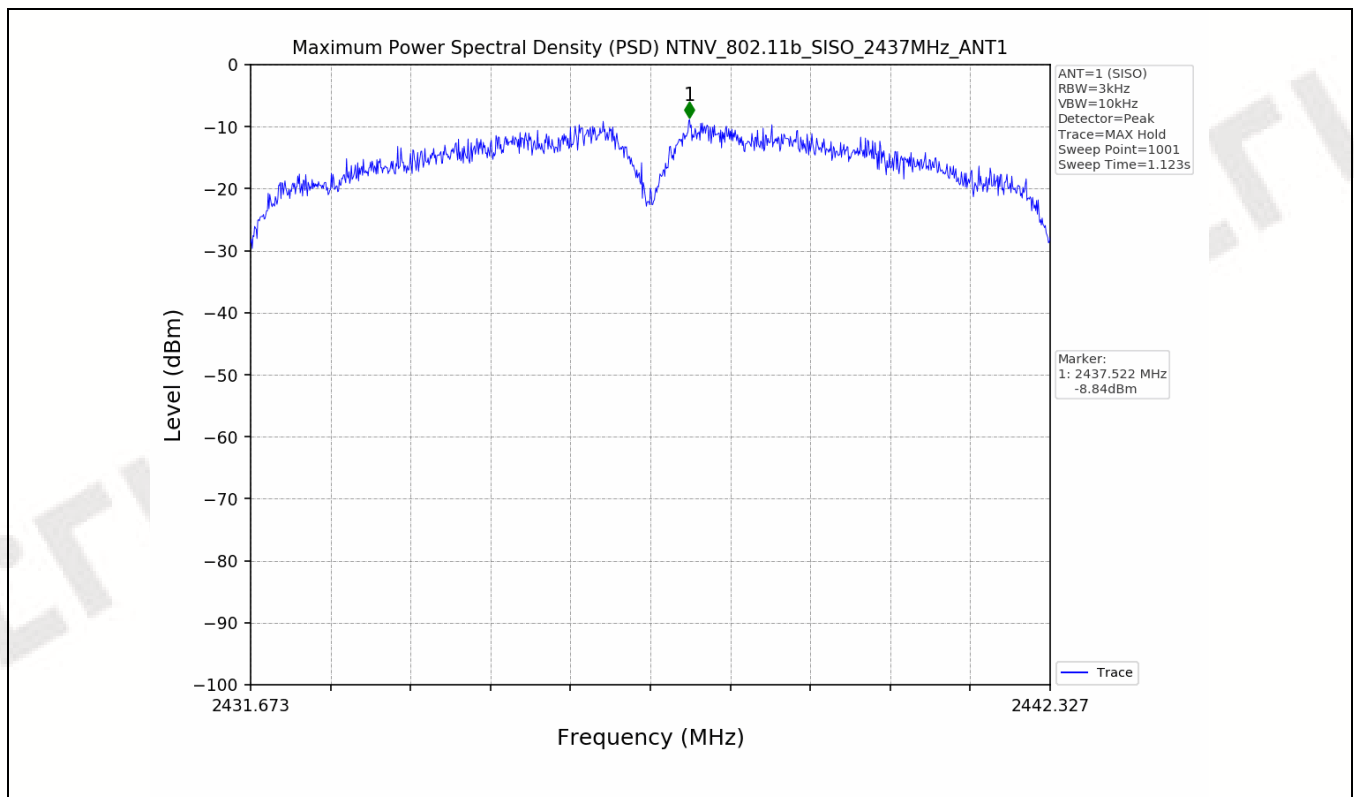
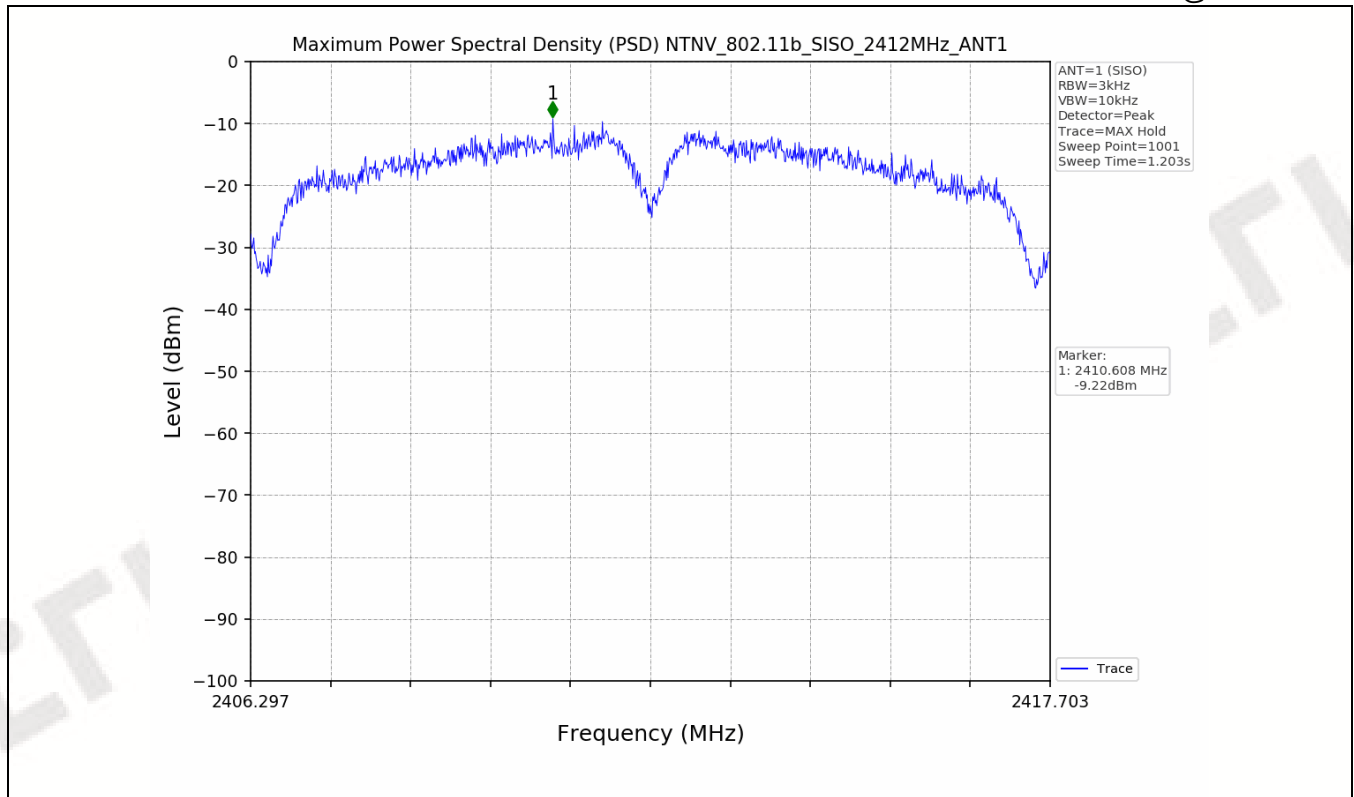


3. Maximum Power Spectral Density (PSD)

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.22	≤8	PASS
	2437	SISO	-8.84	≤8	PASS
	2462	SISO	-9.53	≤8	PASS
802.11g	2412	SISO	-13.65	≤8	PASS
	2437	SISO	-12.11	≤8	PASS
	2462	SISO	-12.89	≤8	PASS
802.11n(HT20)	2412	SISO	-14.41	≤8	PASS
	2437	SISO	-11.76	≤8	PASS
	2462	SISO	-13.43	≤8	PASS
802.11n(HT40)	2422	SISO	-14.30	≤8	PASS
	2437	SISO	-13.29	≤8	PASS
	2452	SISO	-13.83	≤8	PASS

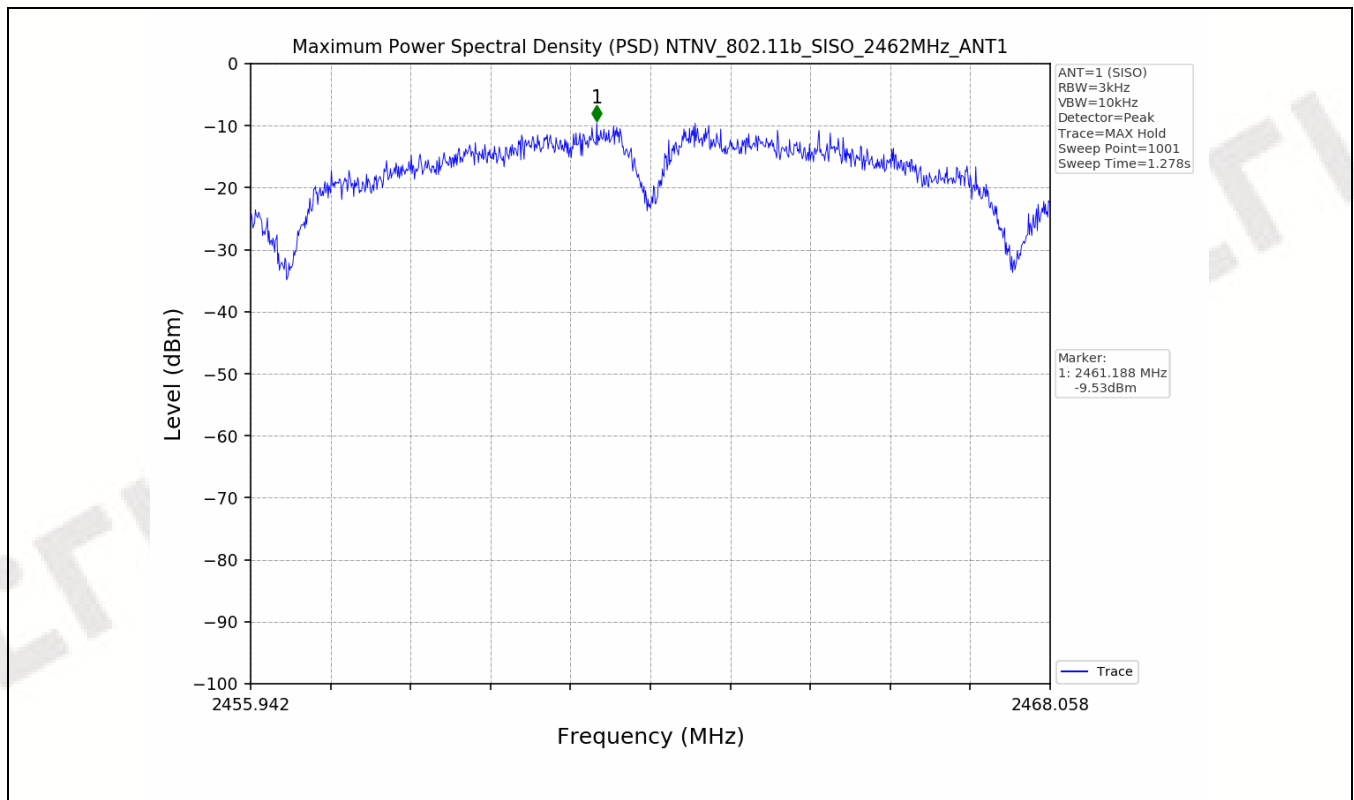
3.2 Test Graph

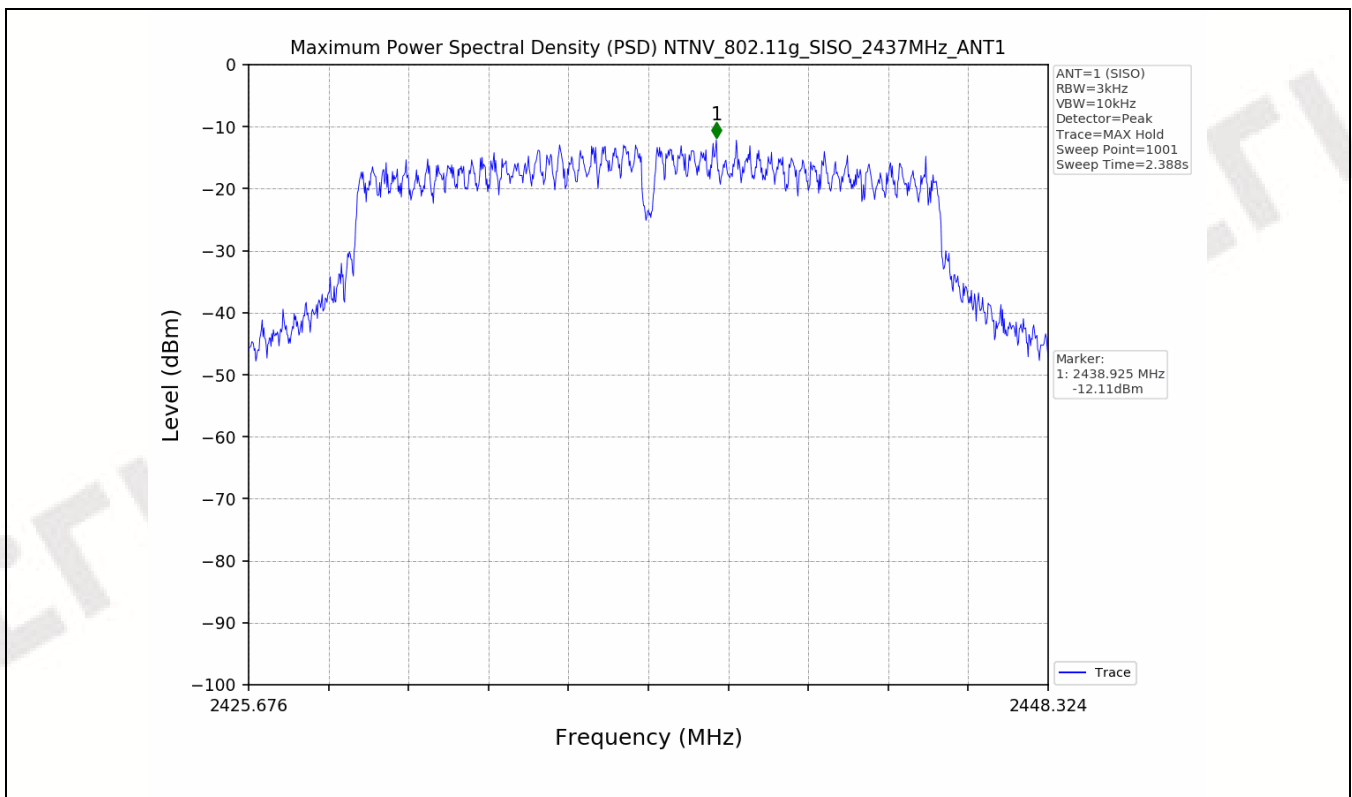
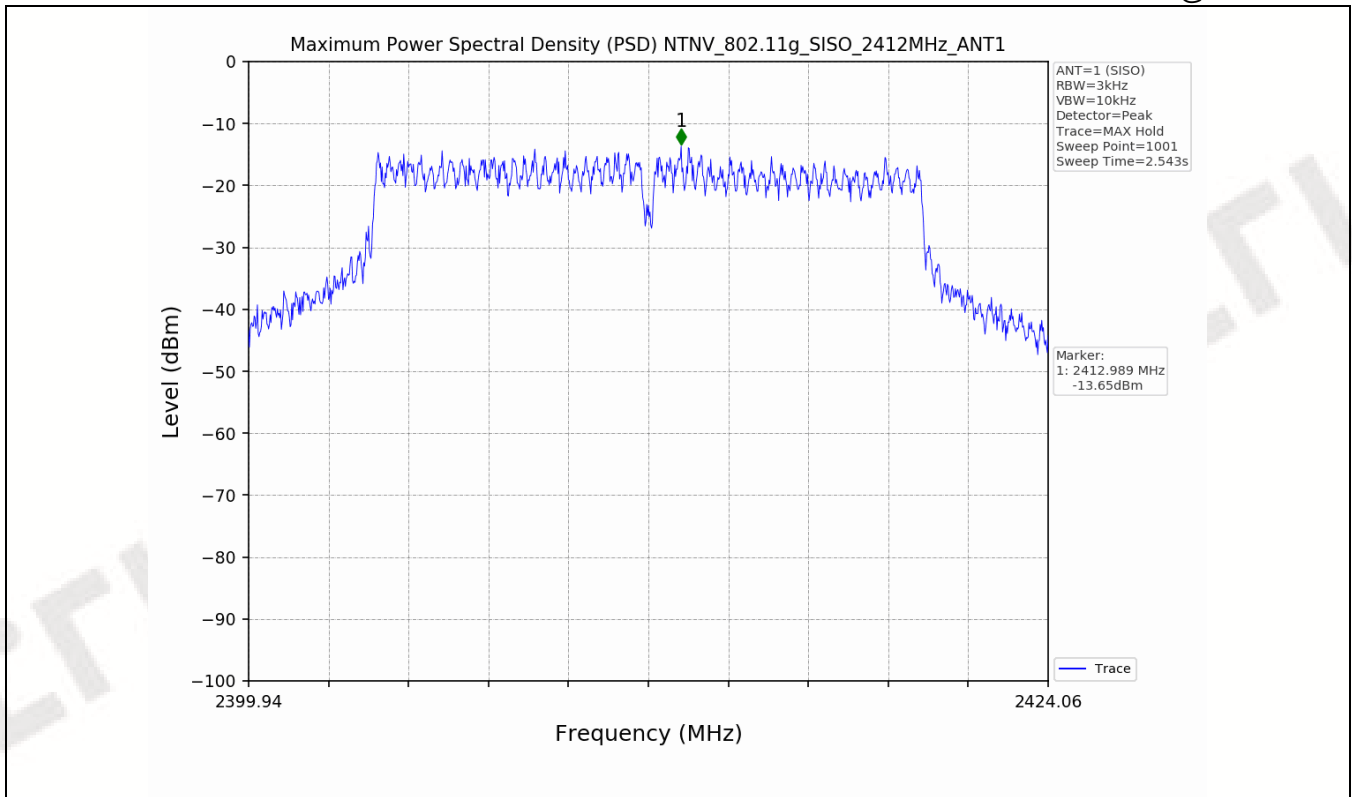




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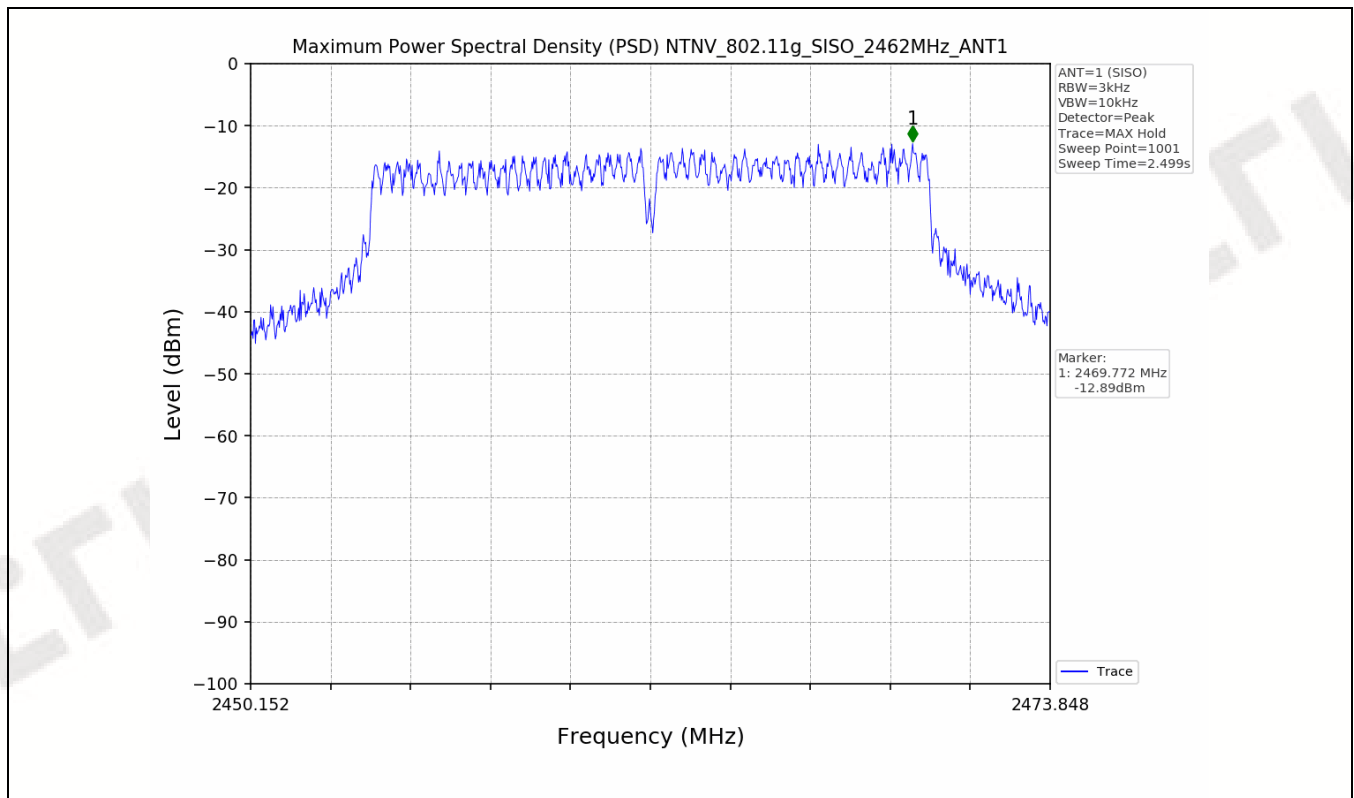


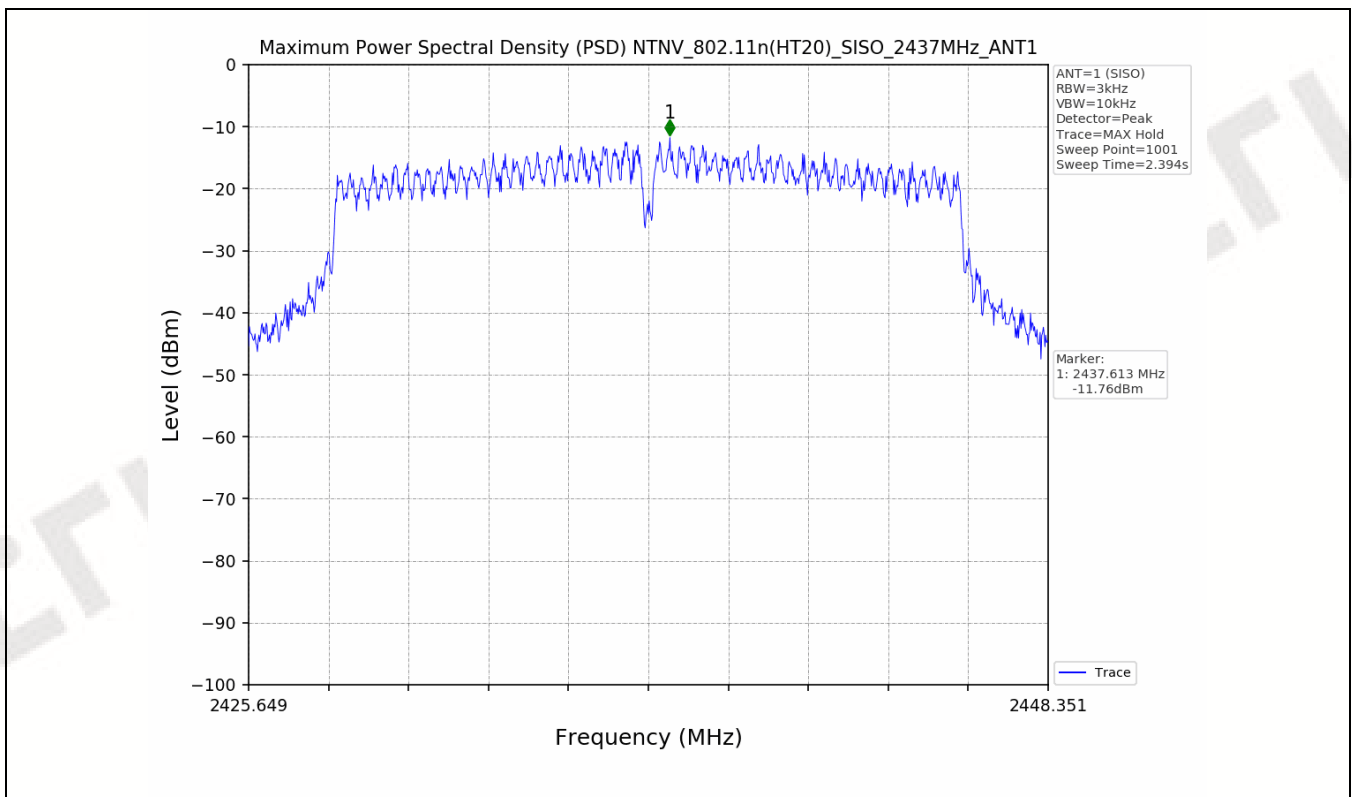
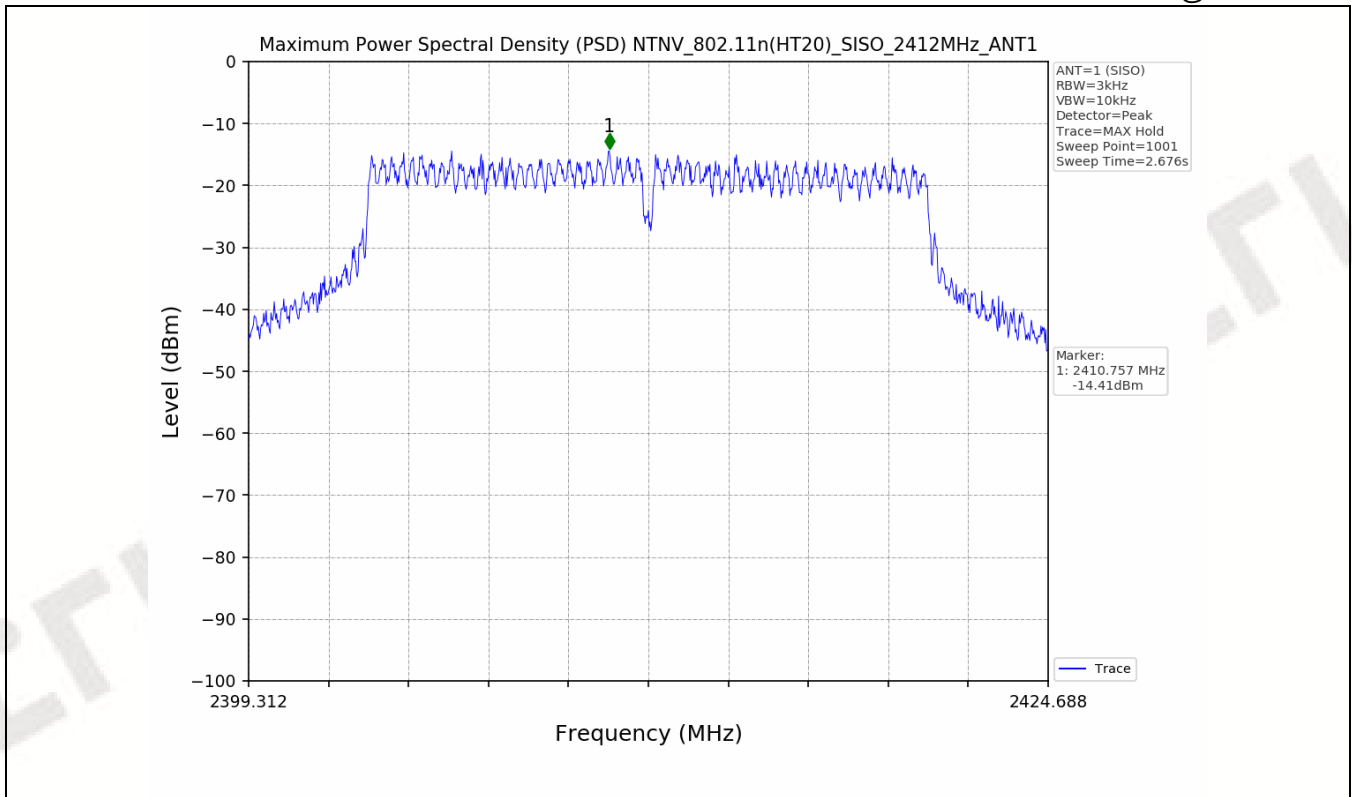




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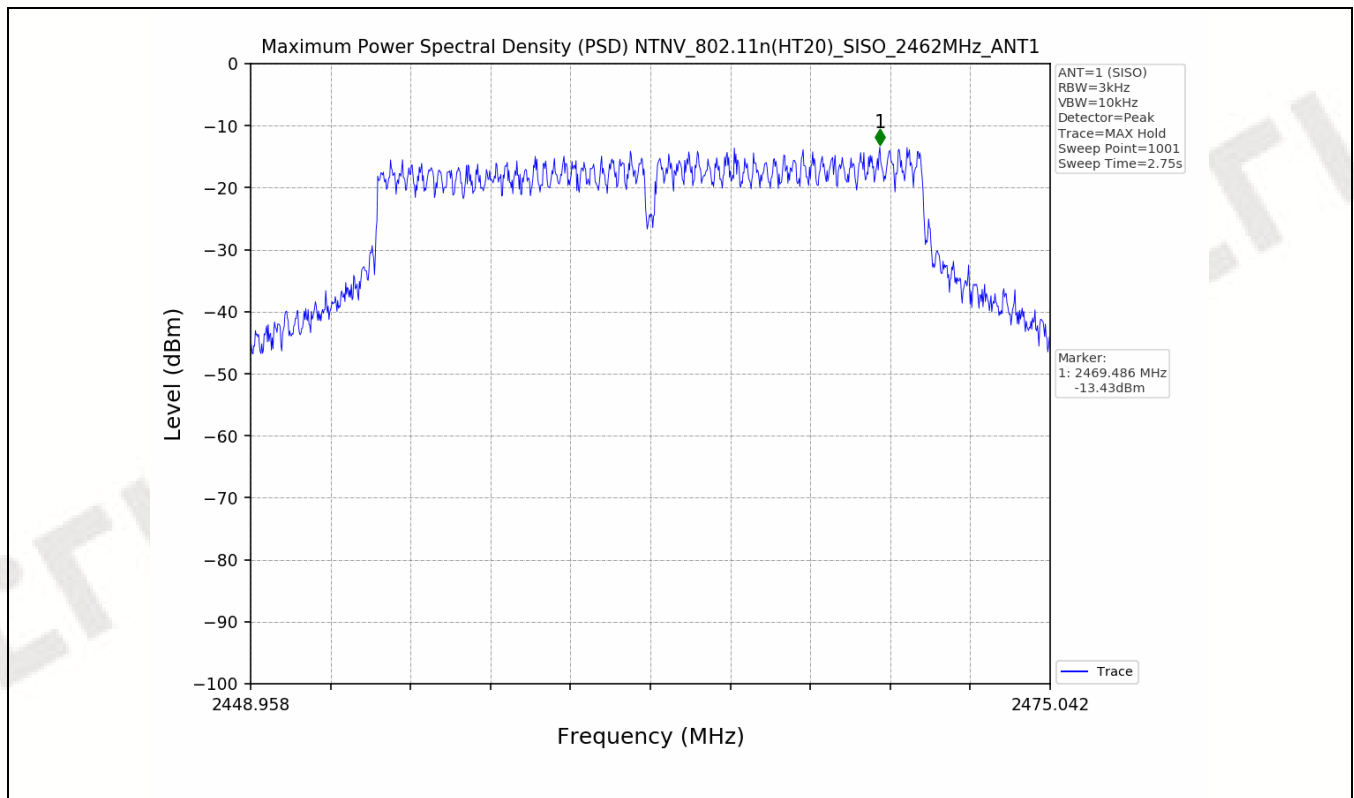


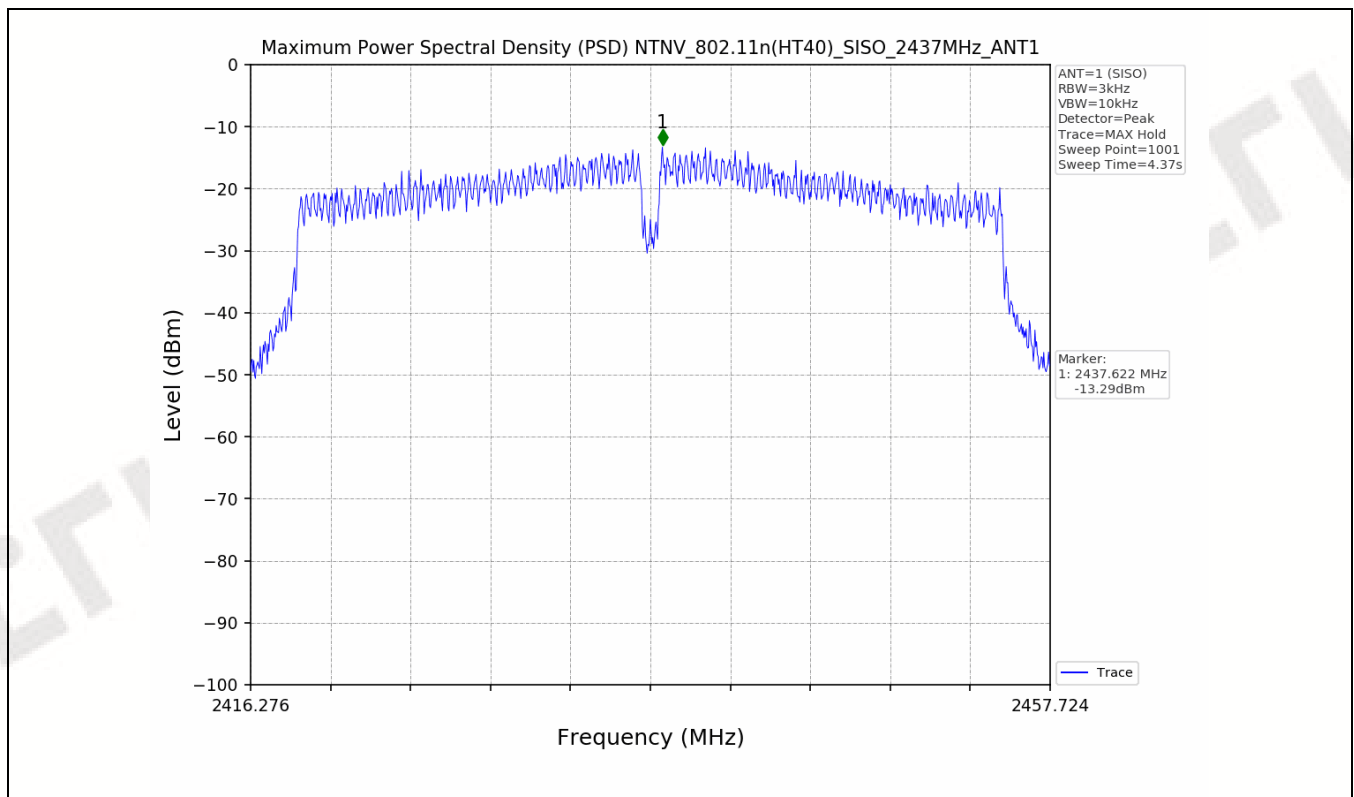
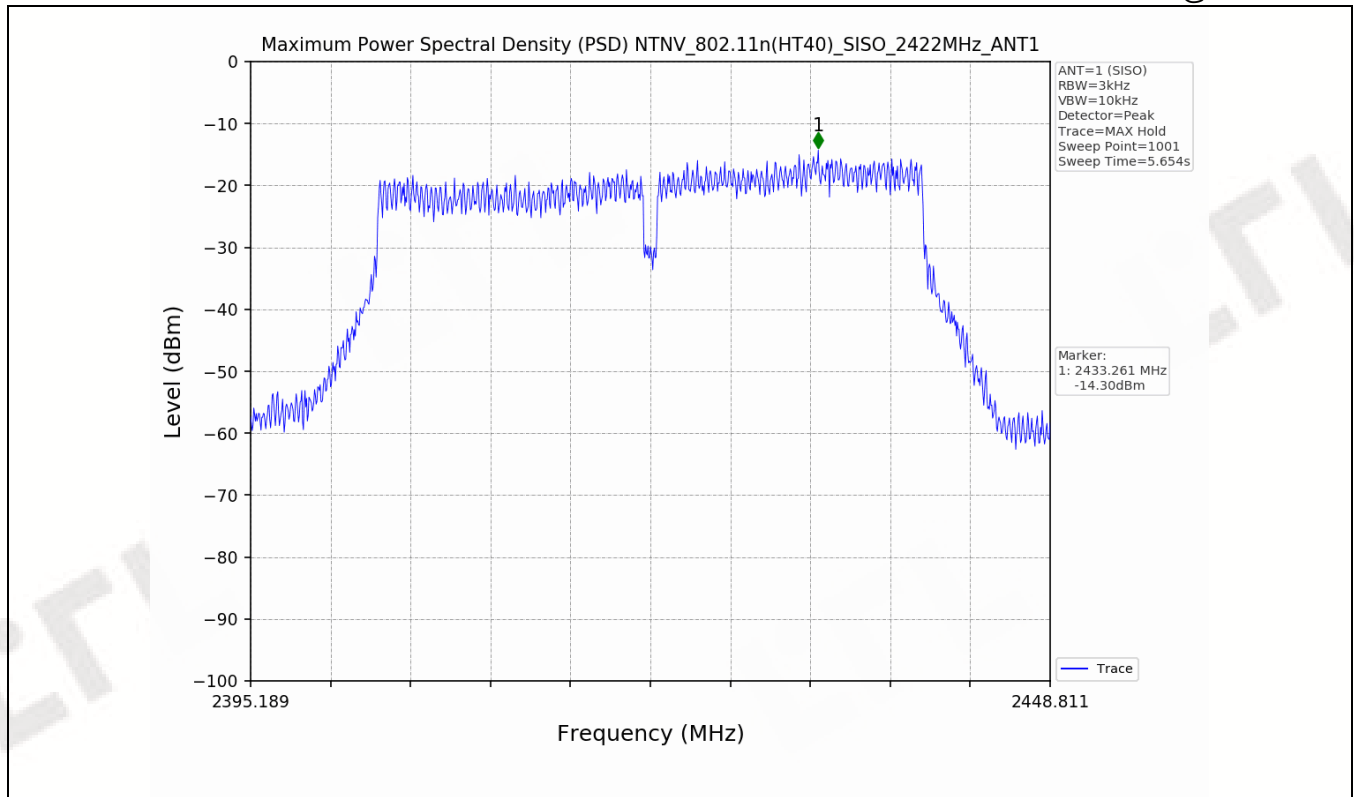


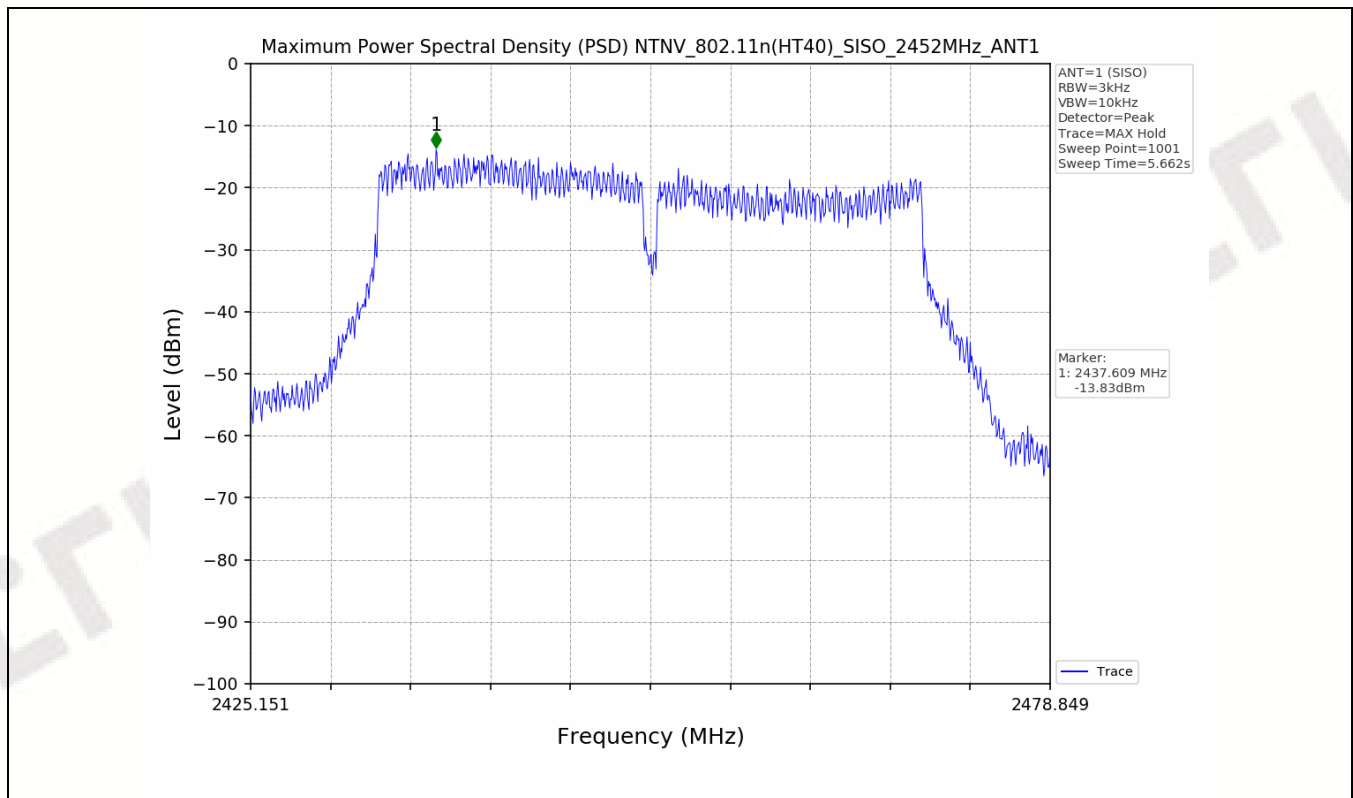


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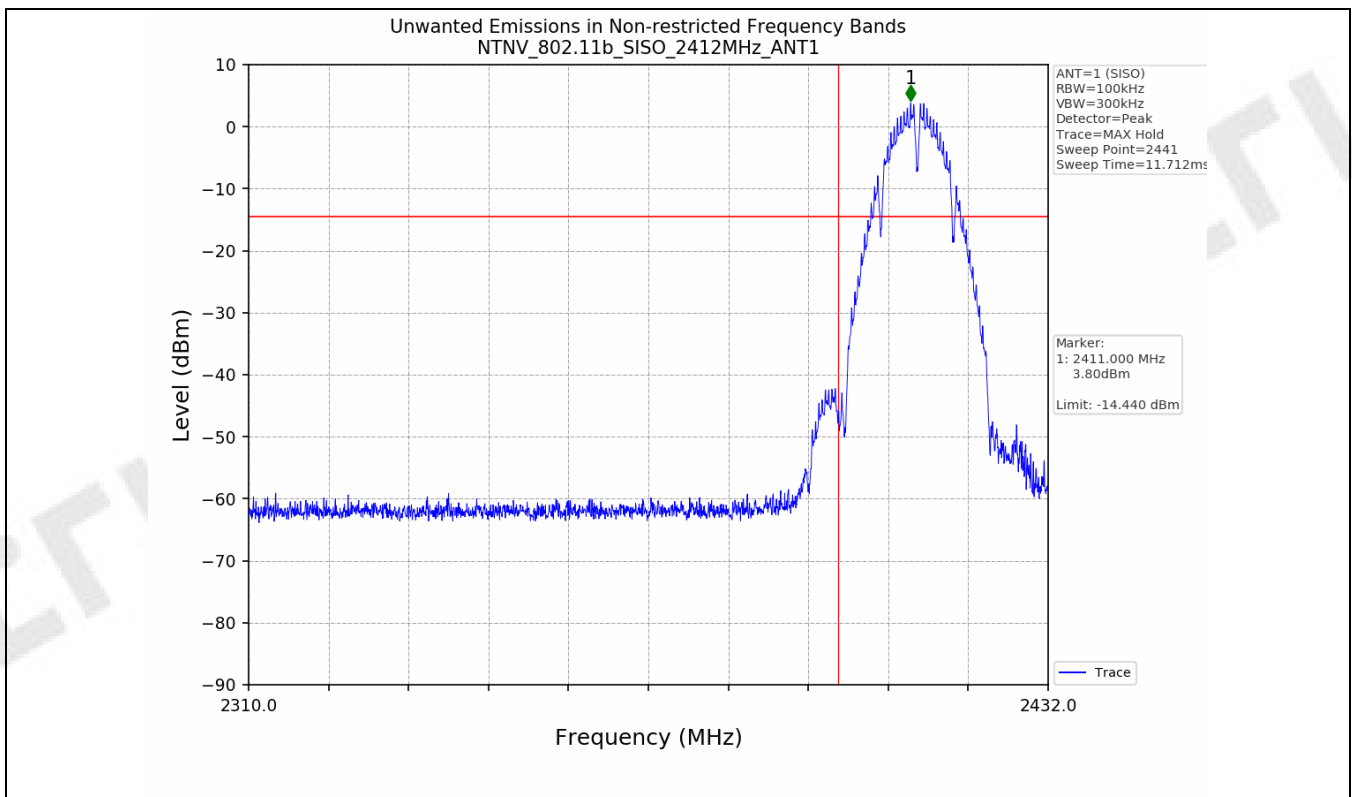
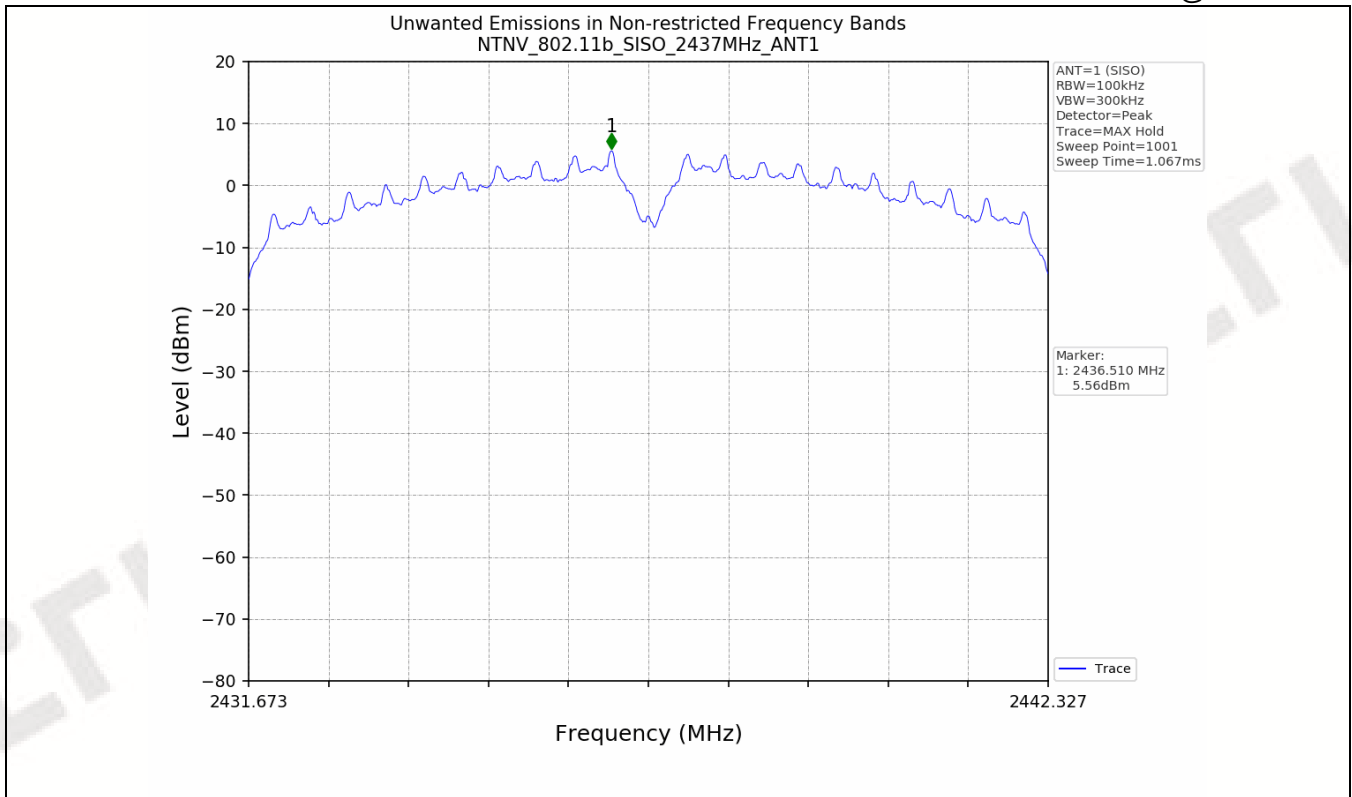


4. Unwanted Emissions in Non-restricted Frequency Bands

4.1 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	-14.44	PASS
	2437	SISO	1	Refer to test graph	-14.44	PASS
	2462	SISO	1	Refer to test graph	-14.44	PASS
802.11g	2412	SISO	1	Refer to test graph	-16.03	PASS
	2437	SISO	1	Refer to test graph	-16.03	PASS
	2462	SISO	1	Refer to test graph	-16.03	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-16.17	PASS
	2437	SISO	1	Refer to test graph	-16.17	PASS
	2462	SISO	1	Refer to test graph	-16.17	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-18.75	PASS
	2437	SISO	1	Refer to test graph	-18.75	PASS
	2452	SISO	1	Refer to test graph	-18.75	PASS

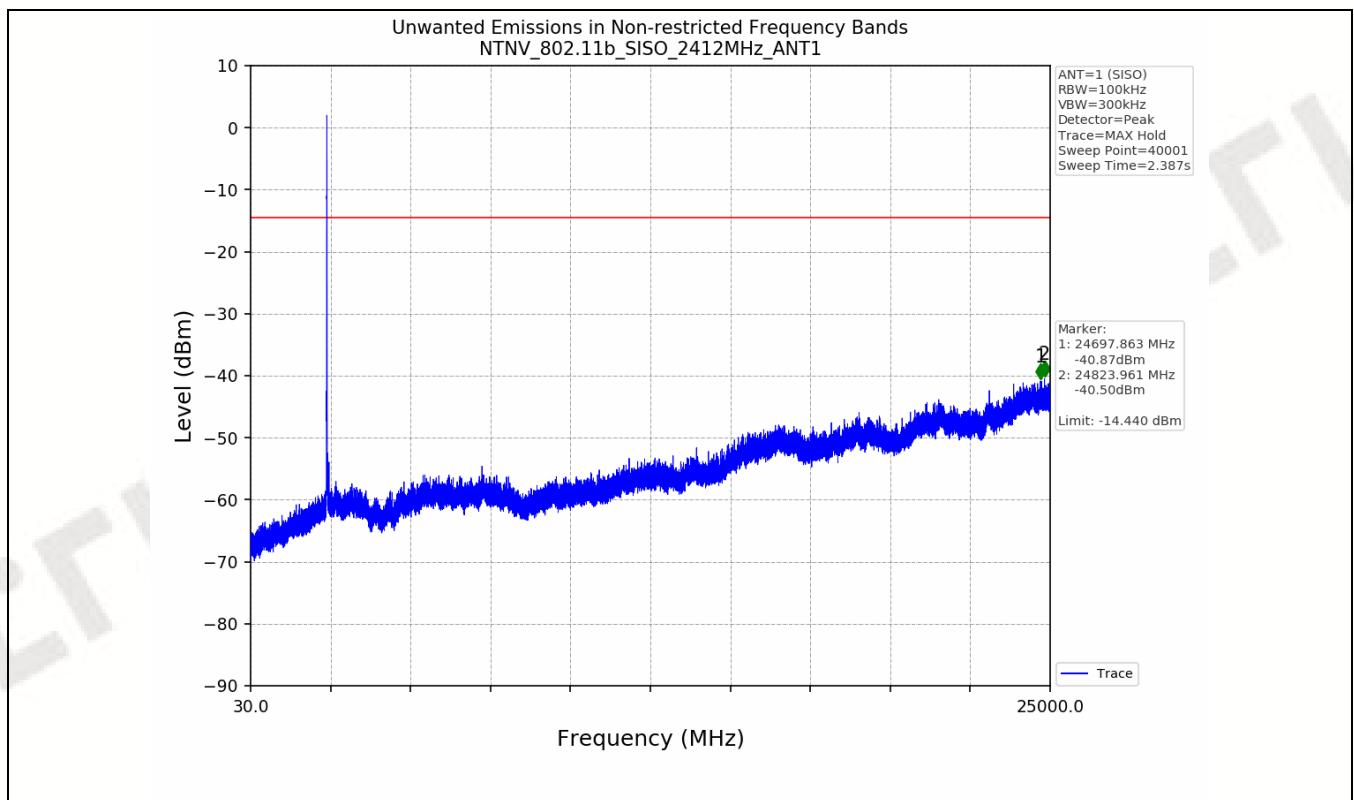
4.2 Test Graph

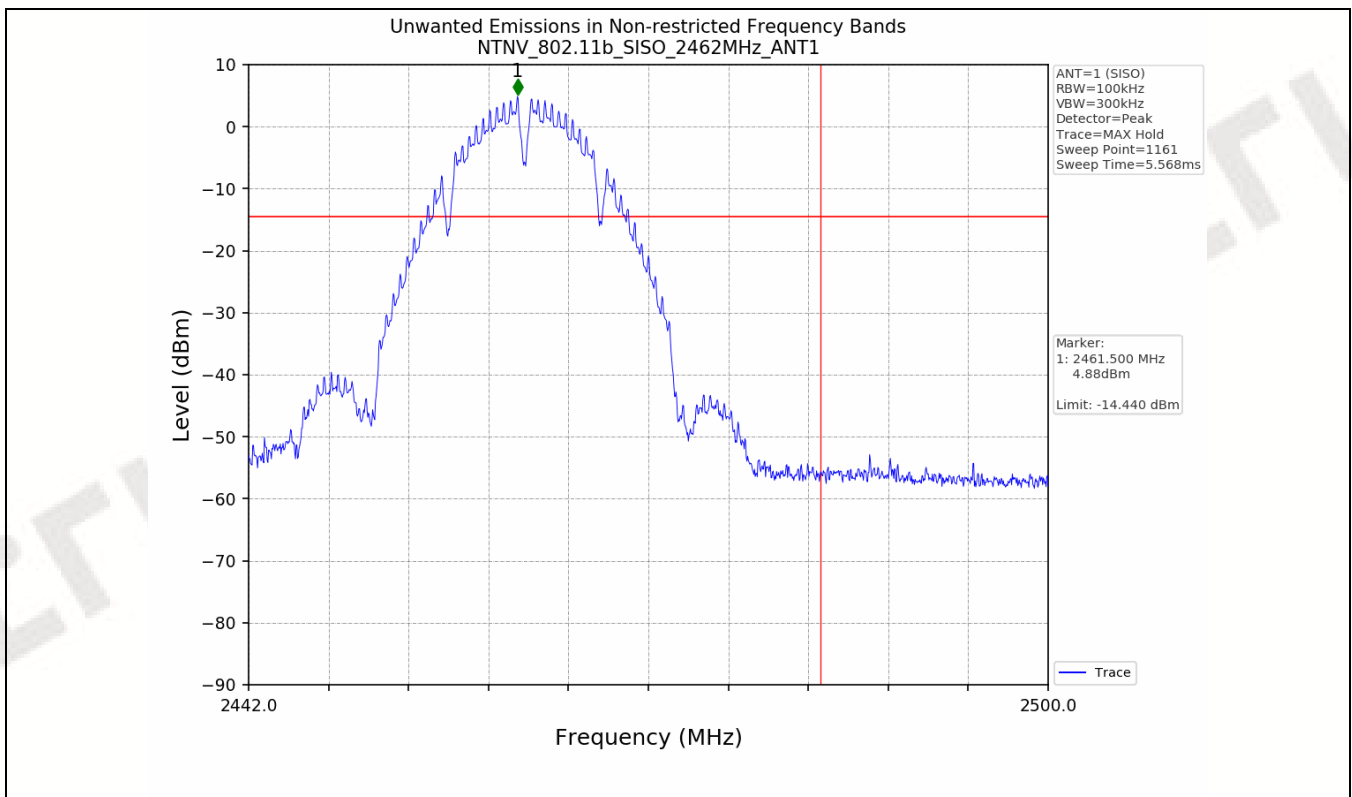
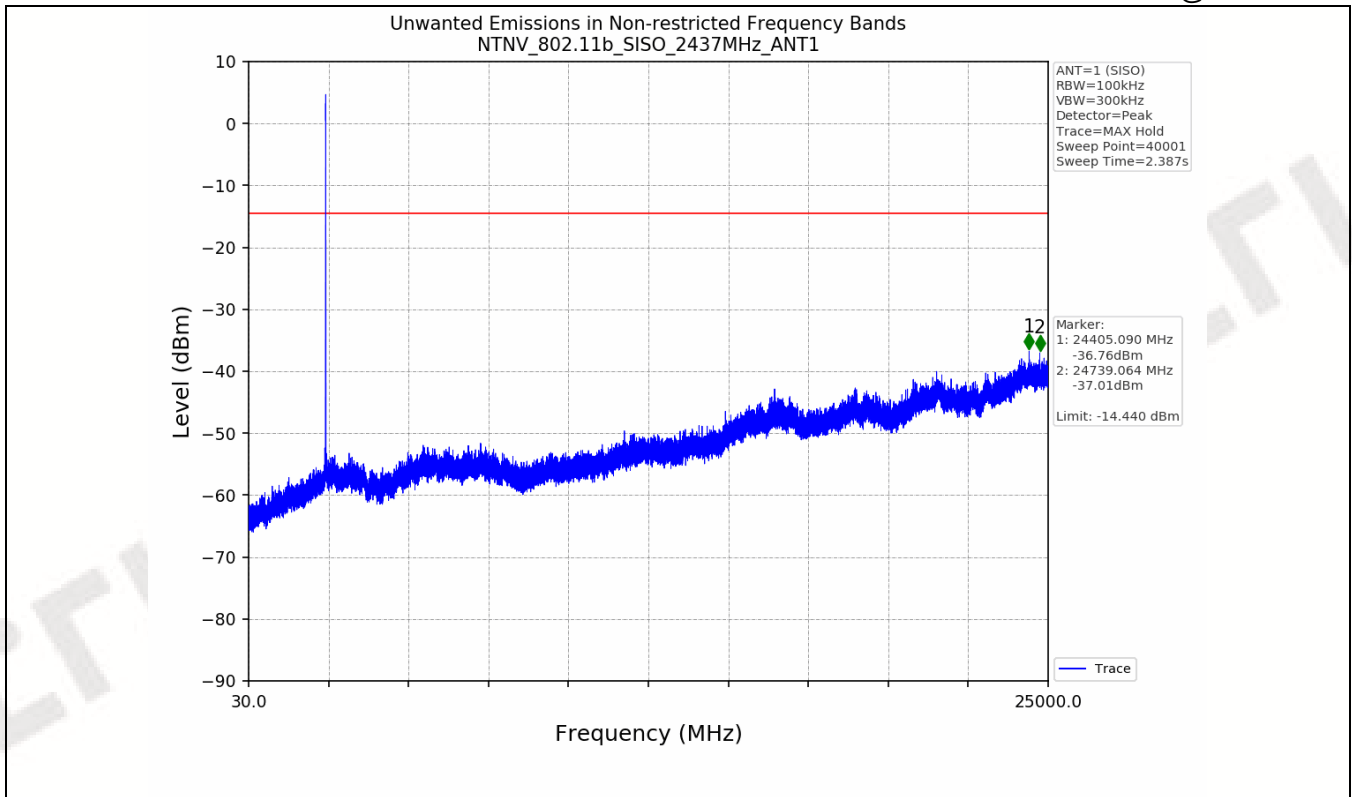




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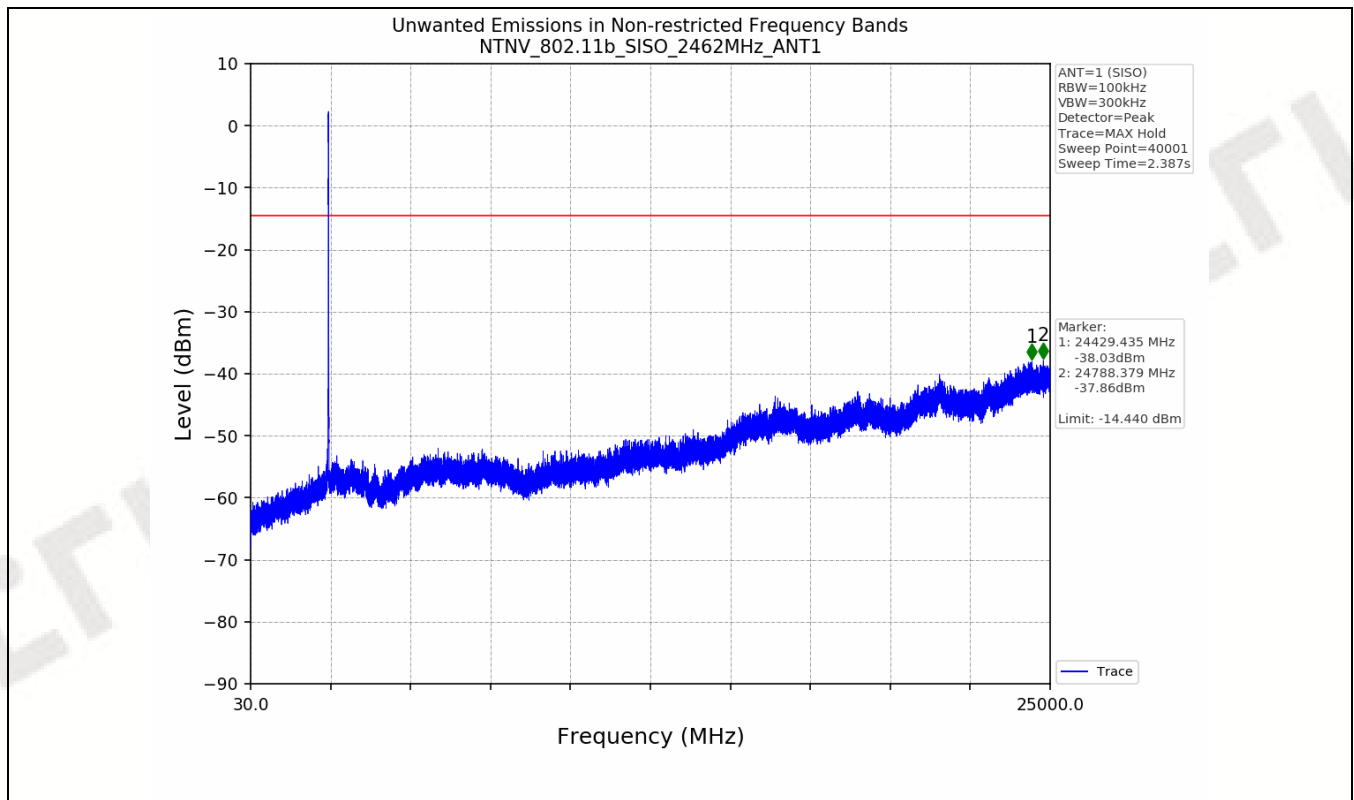


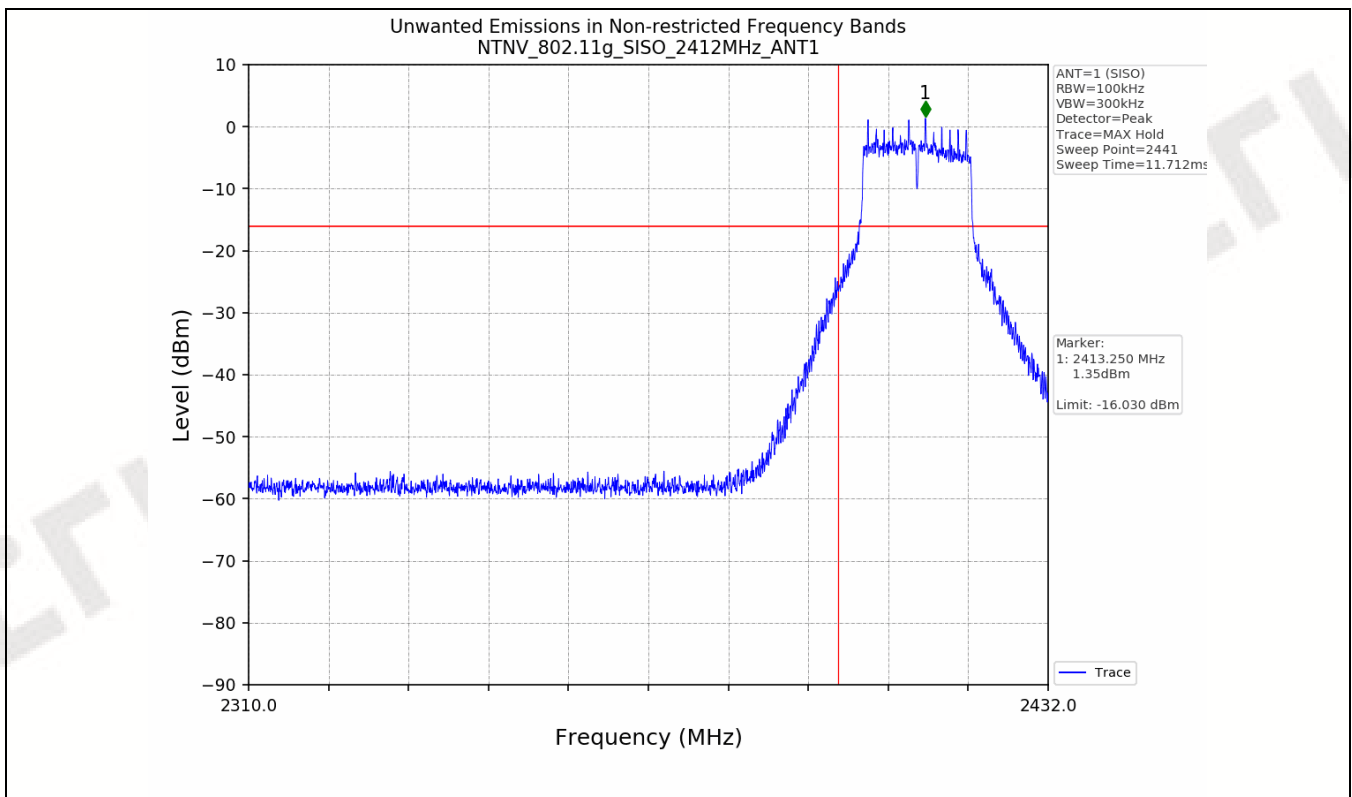
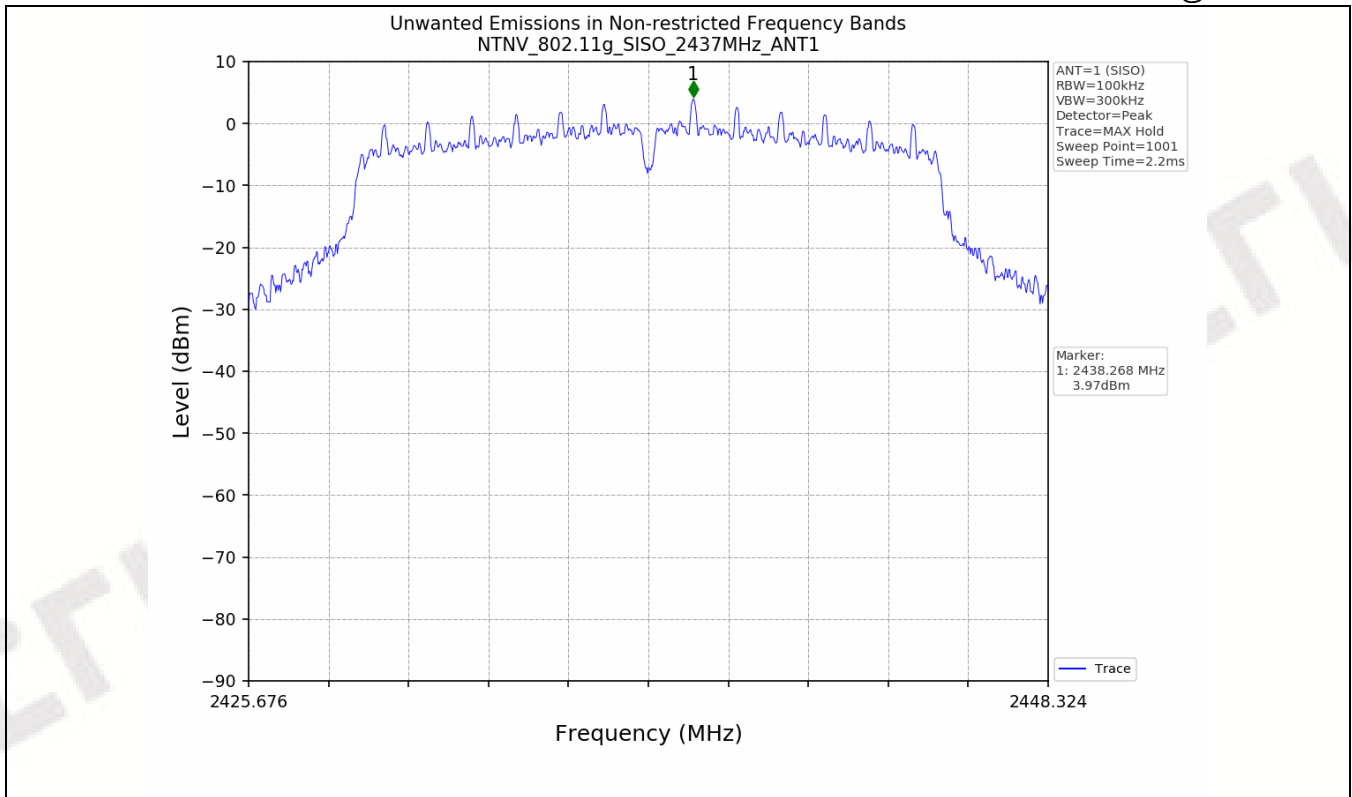




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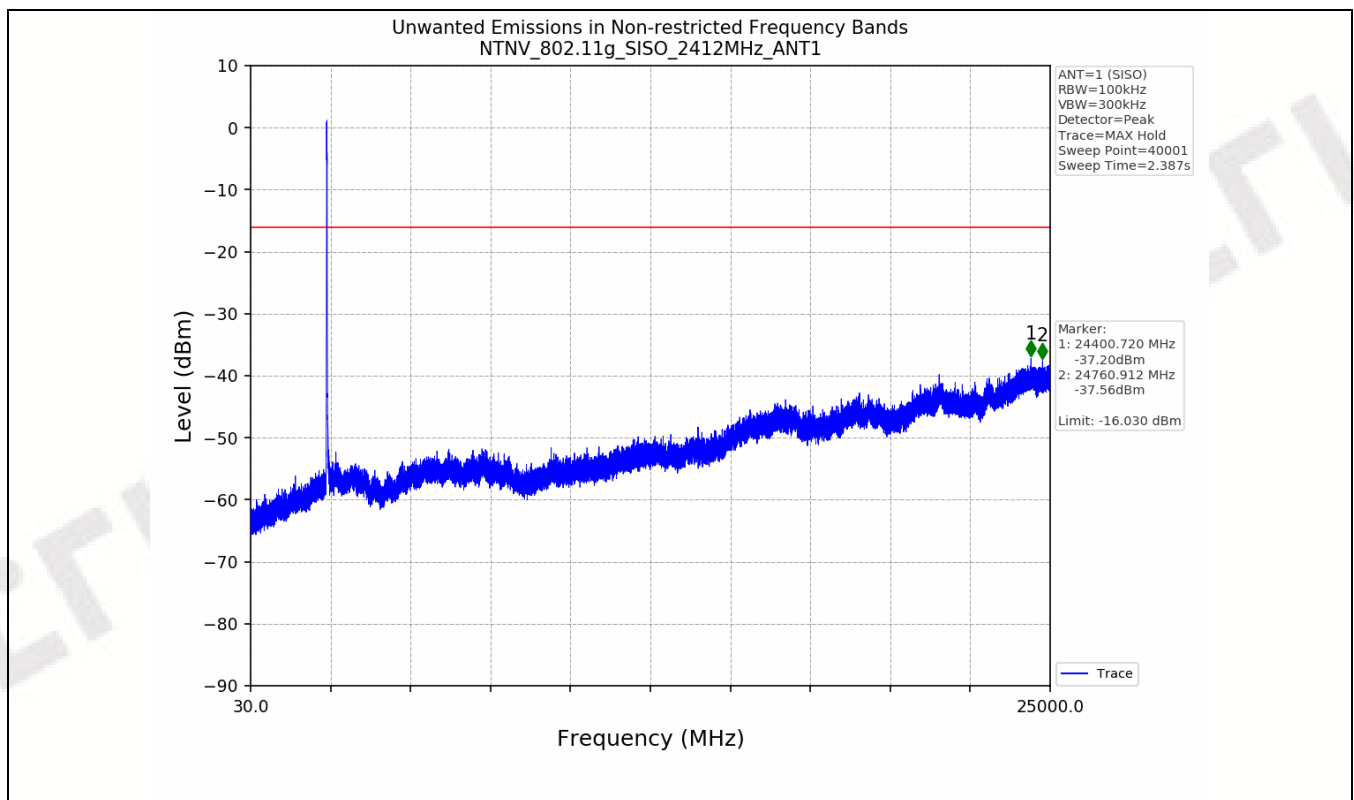


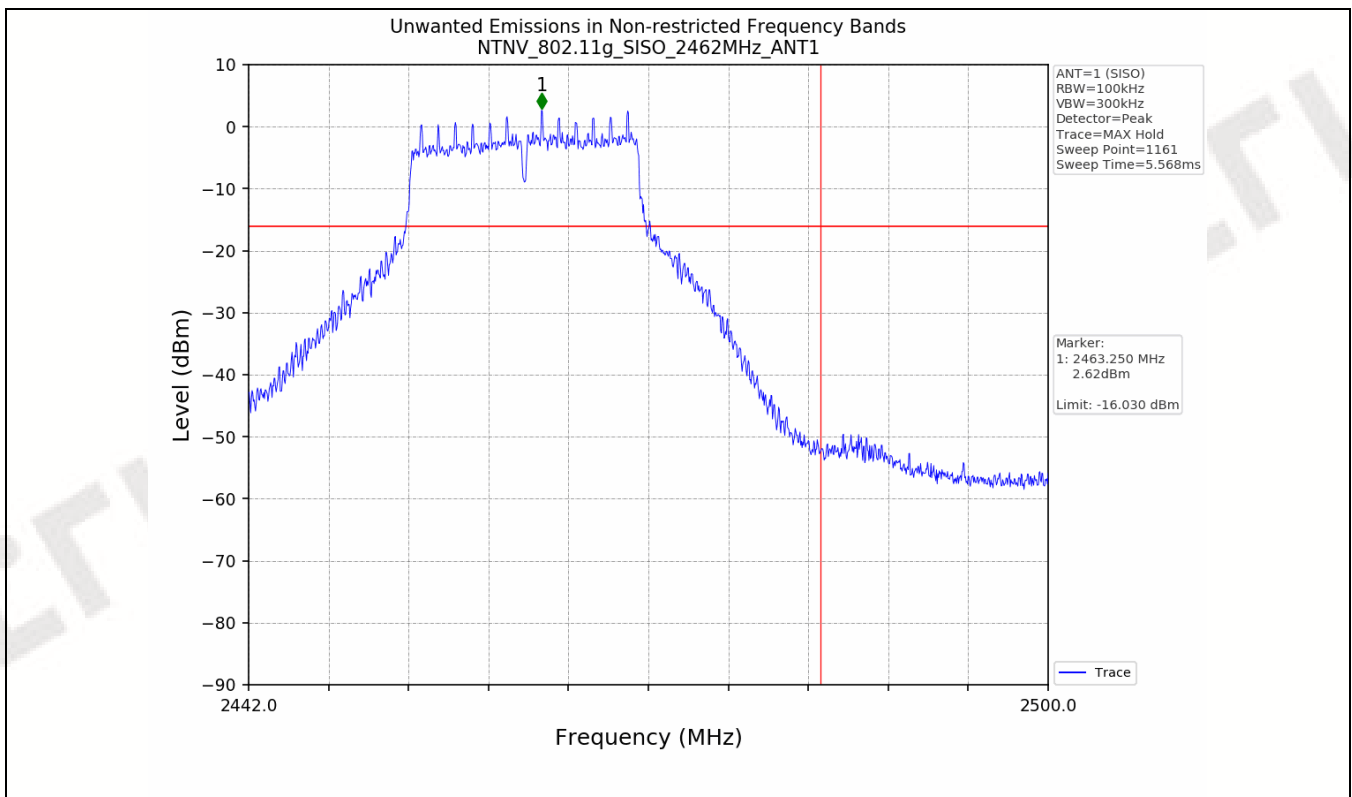
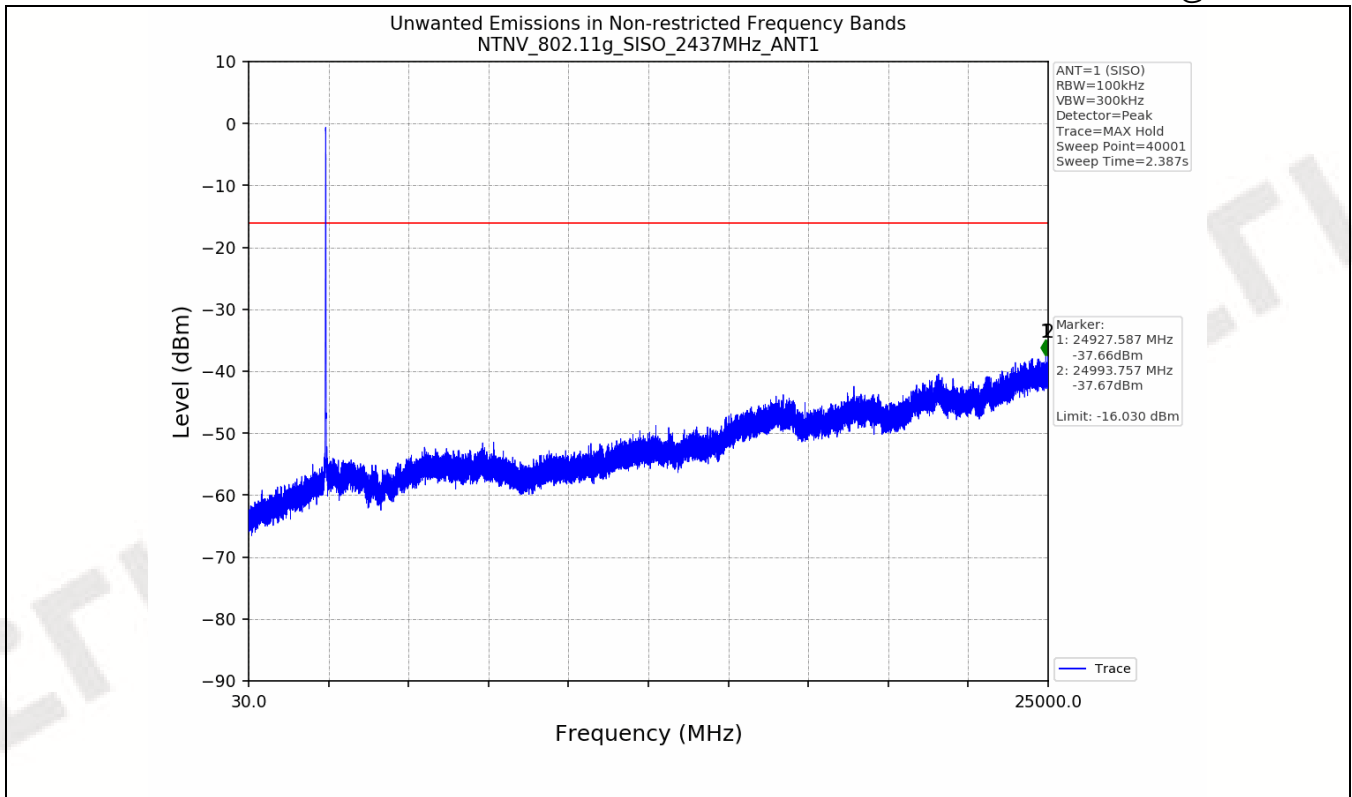




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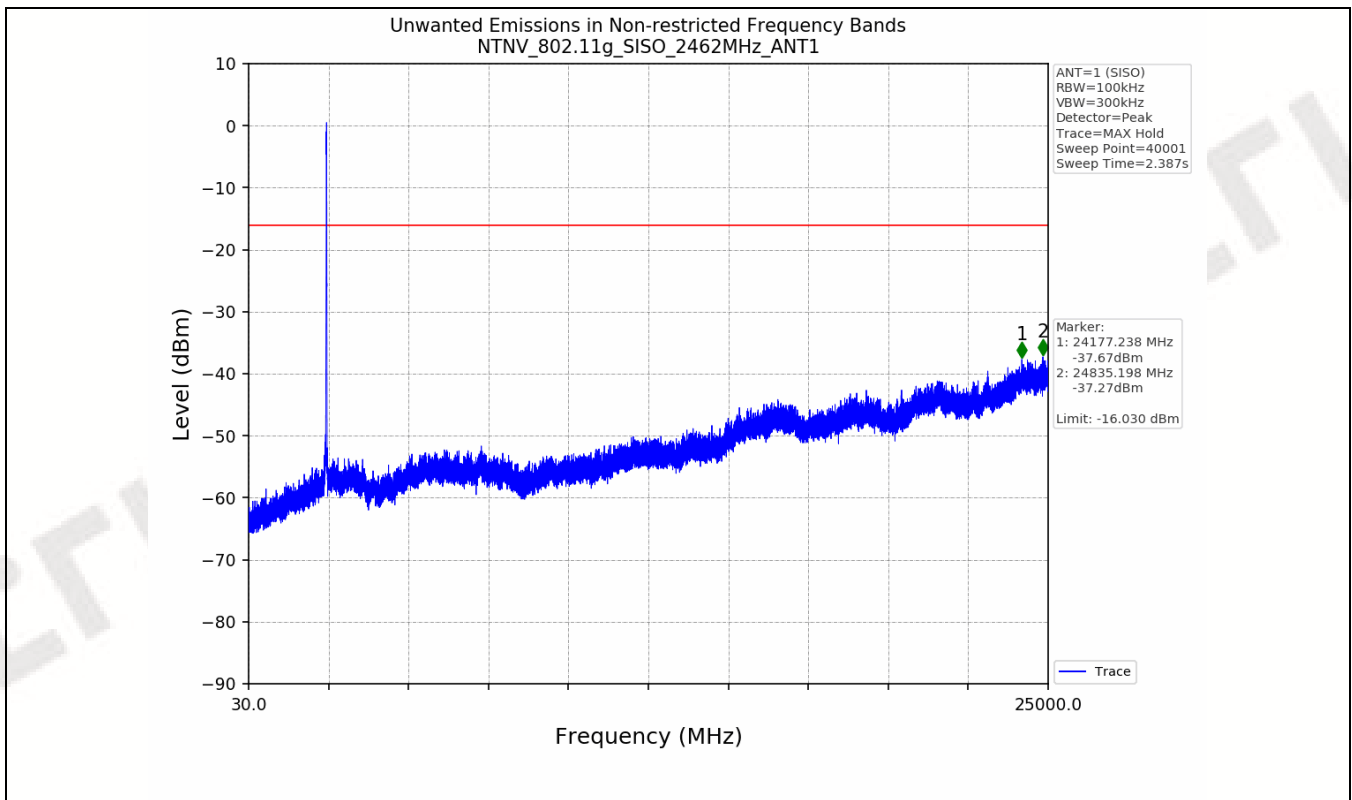


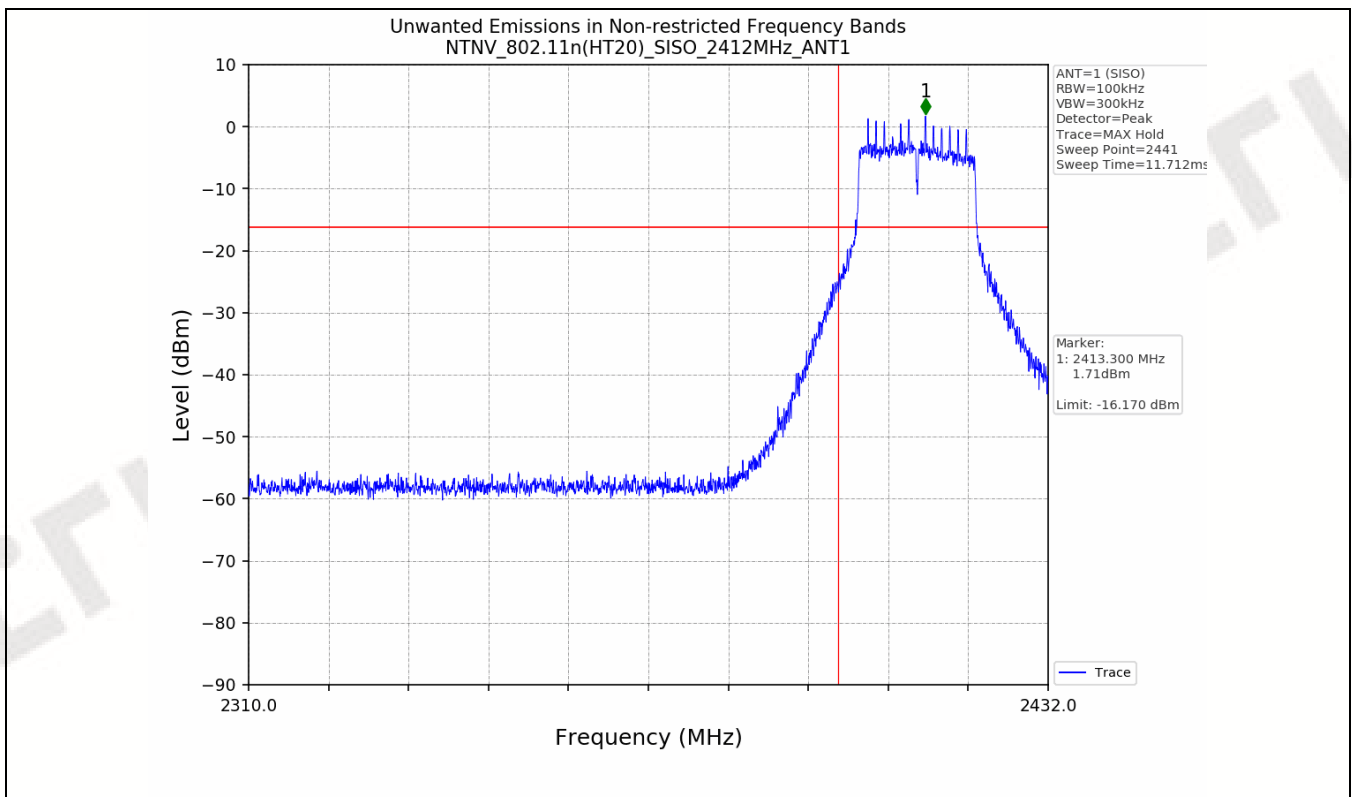
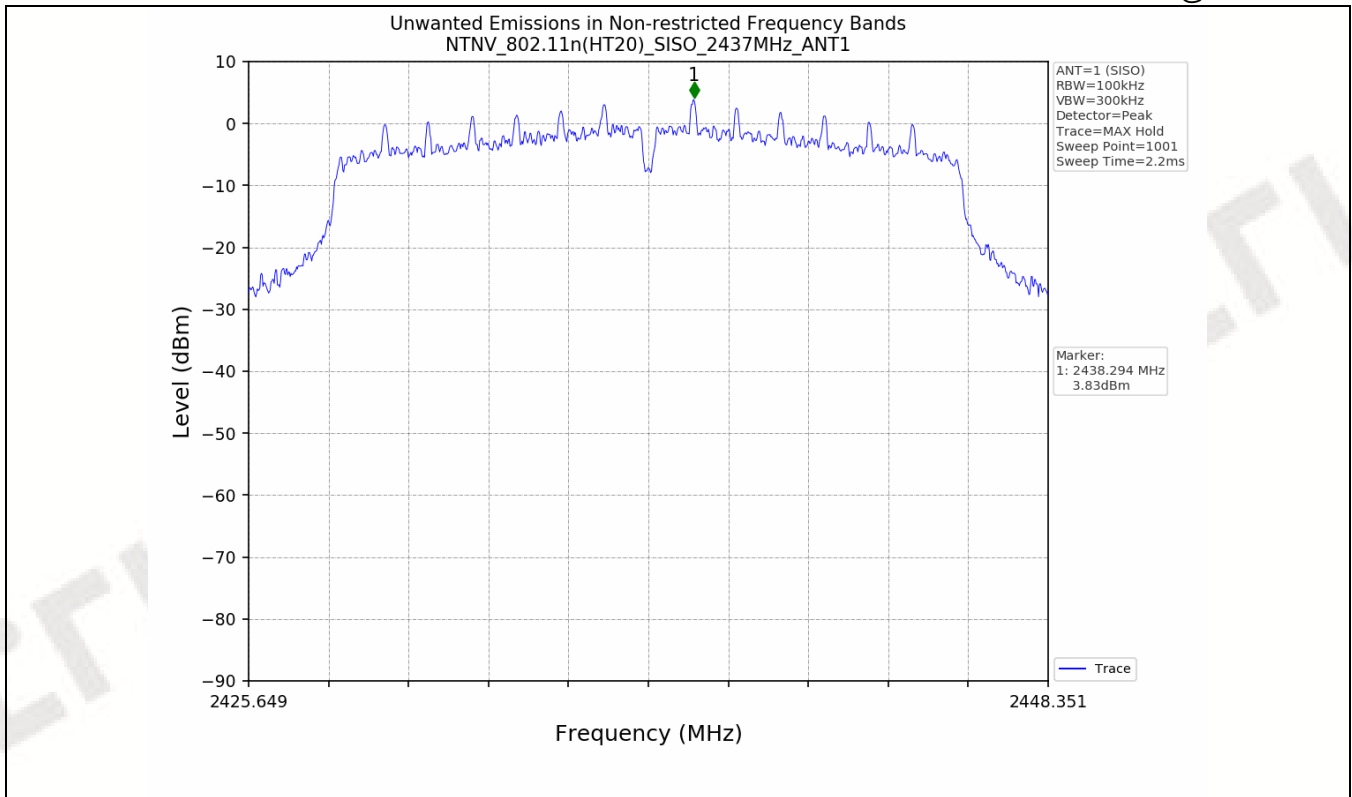




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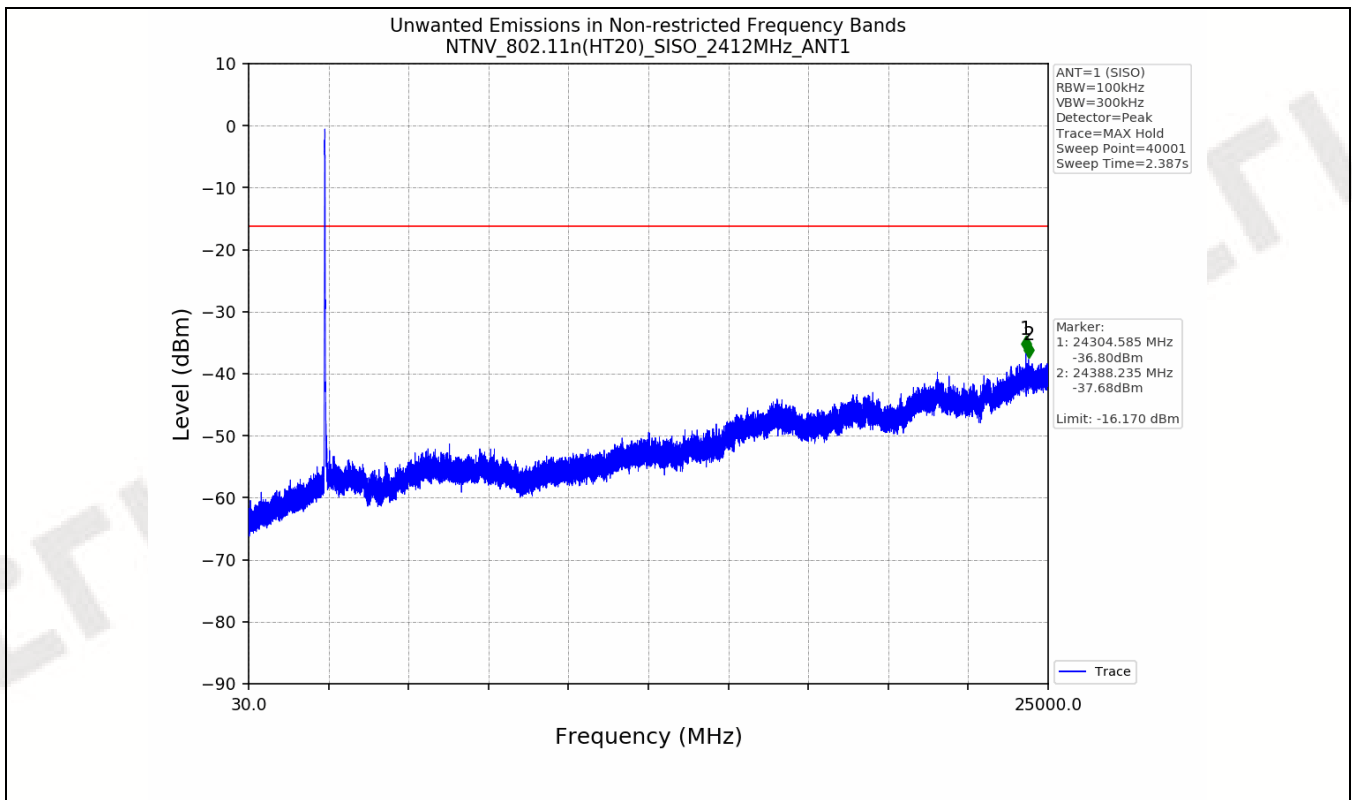


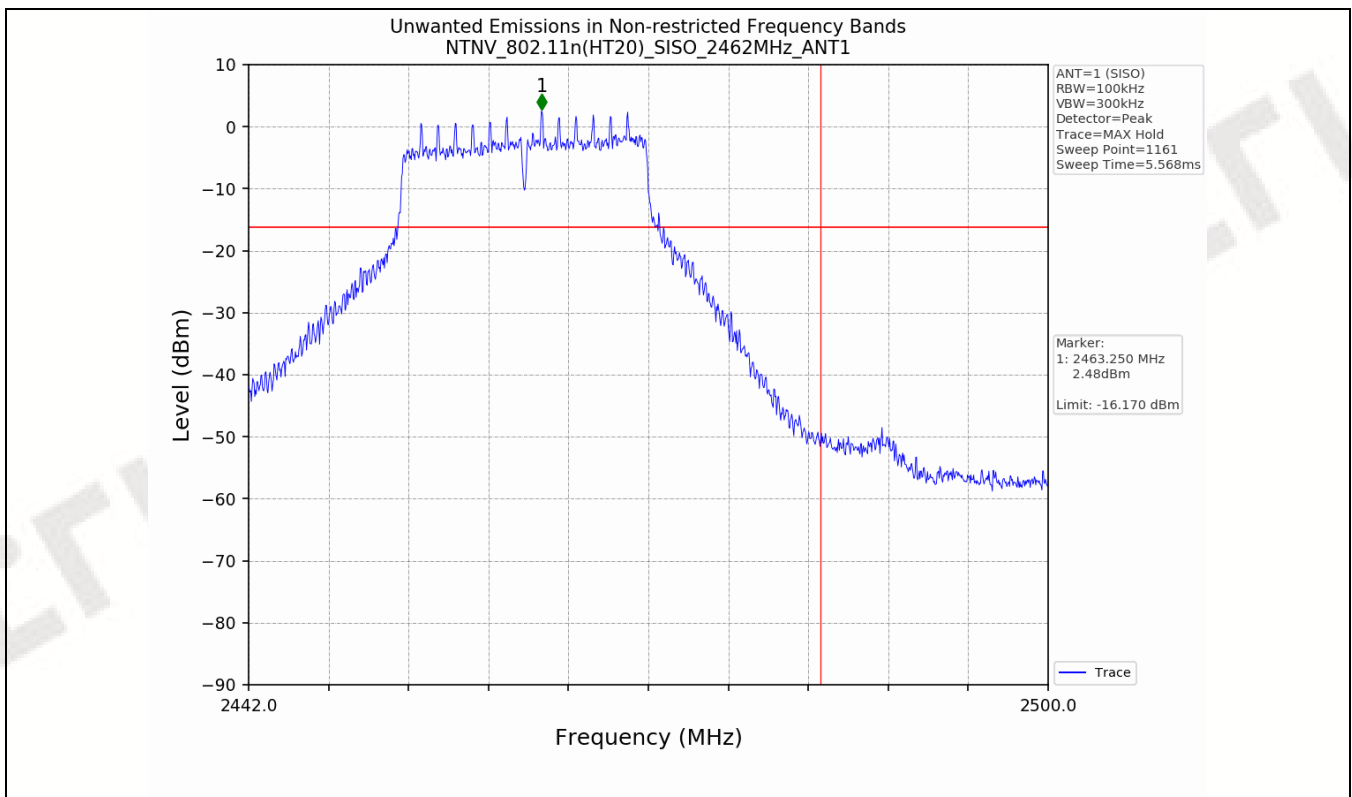
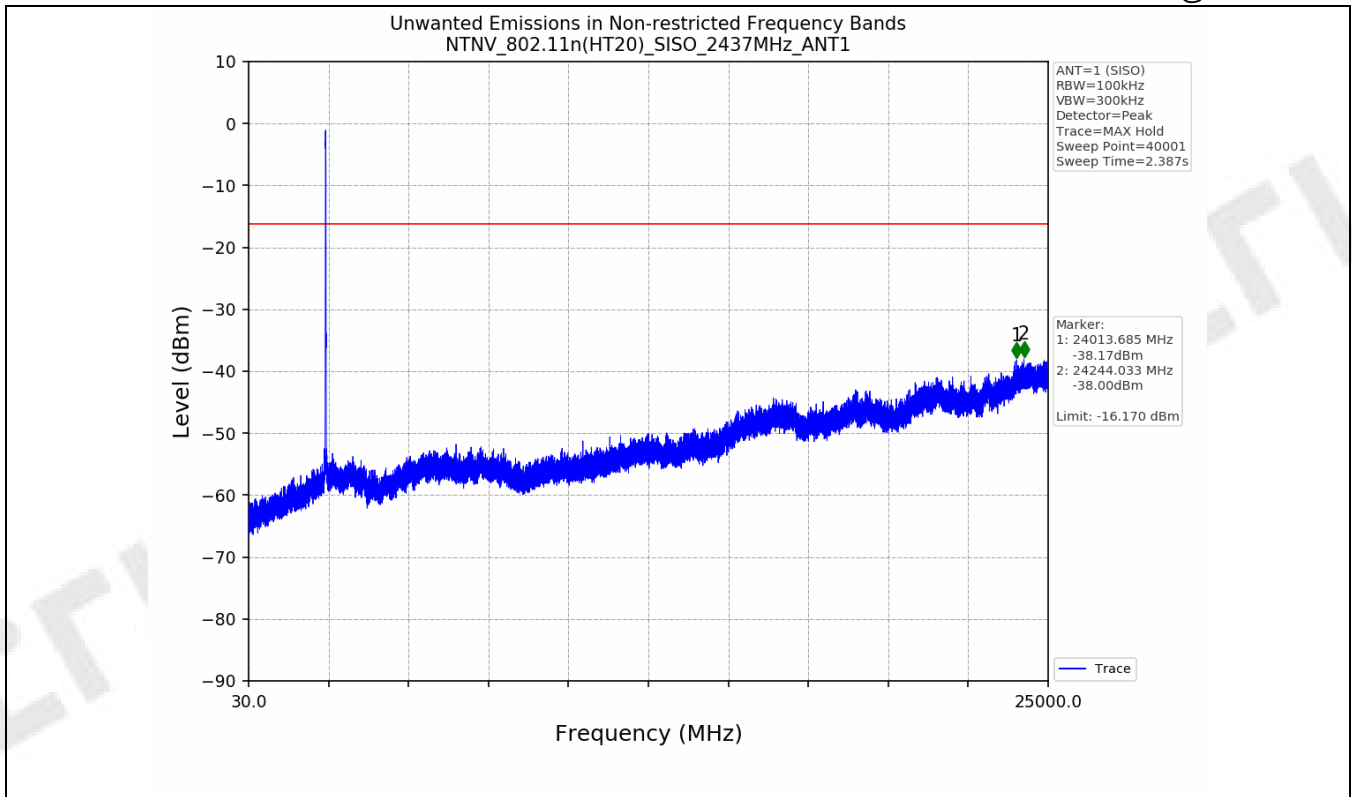




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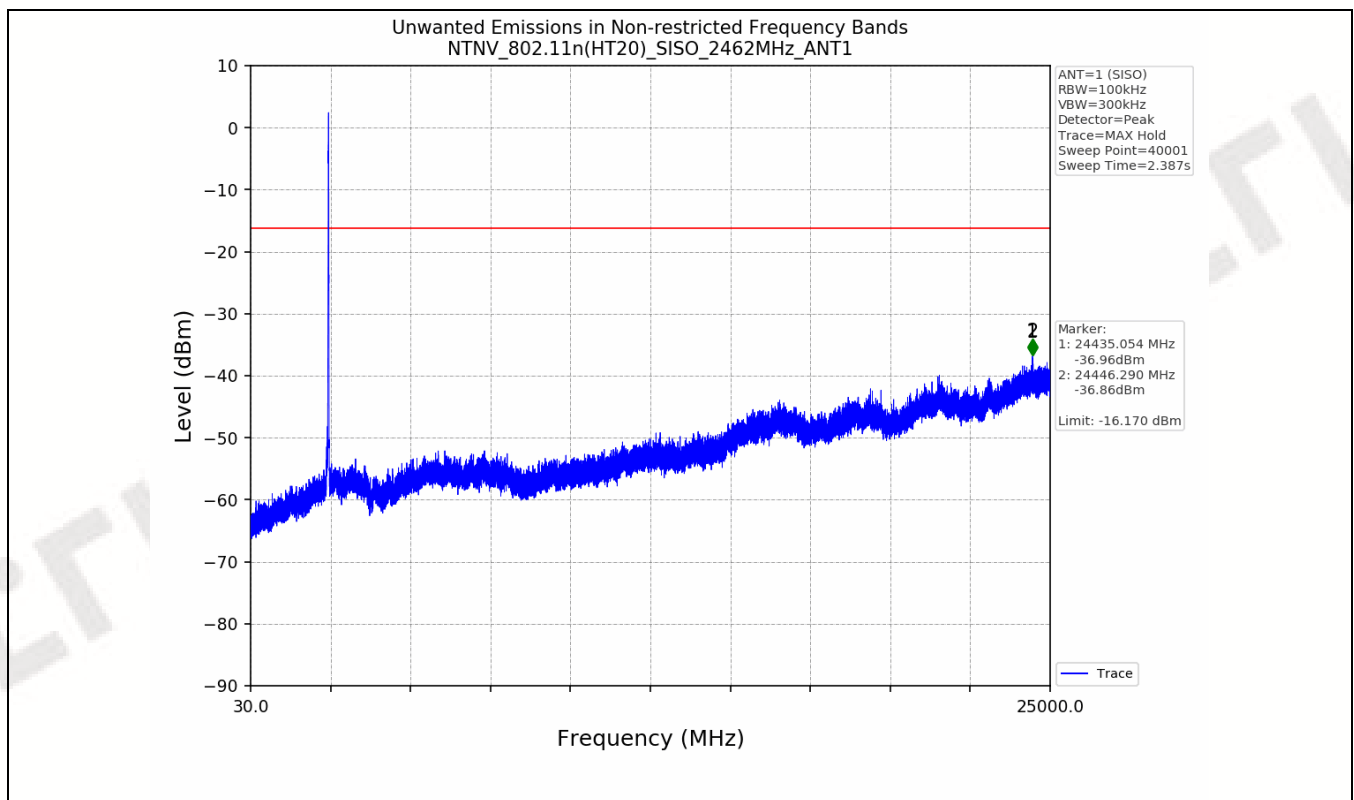


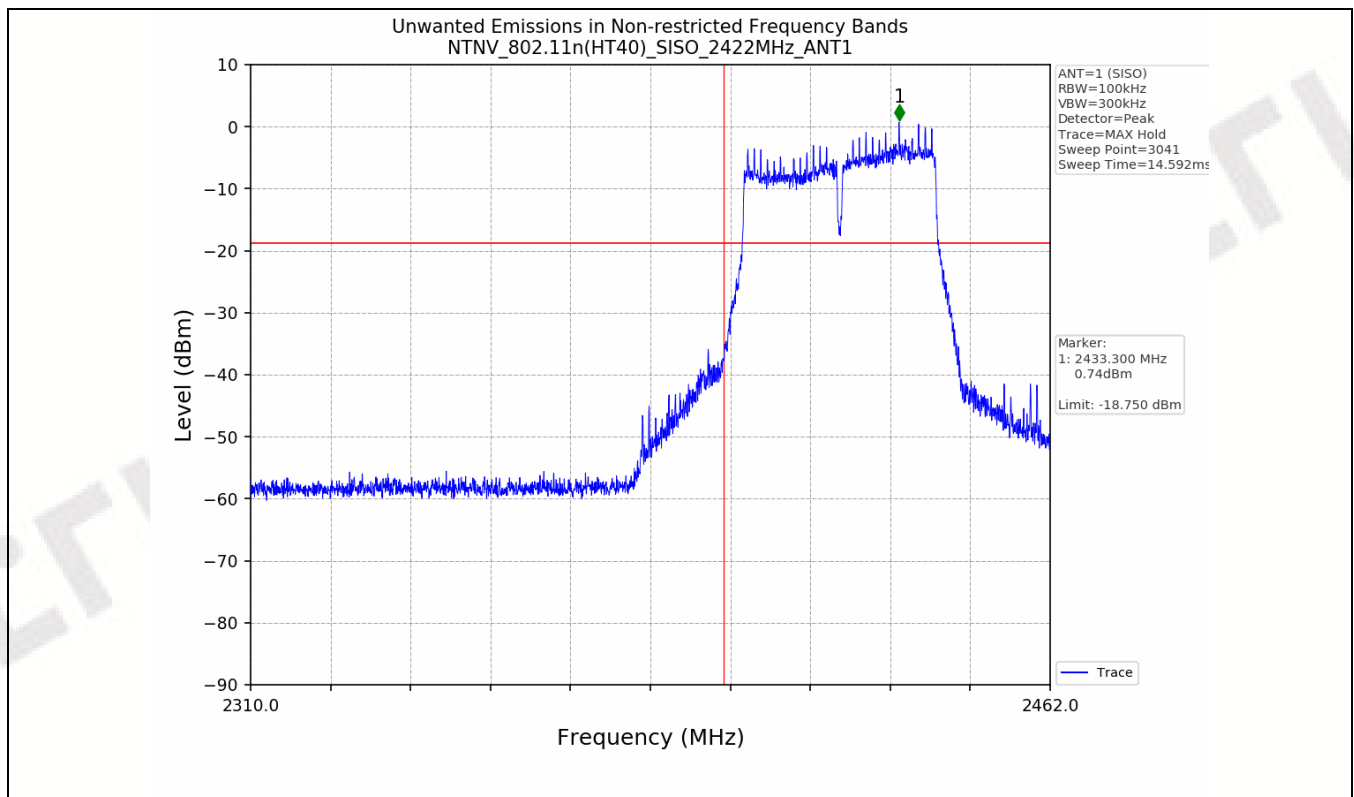
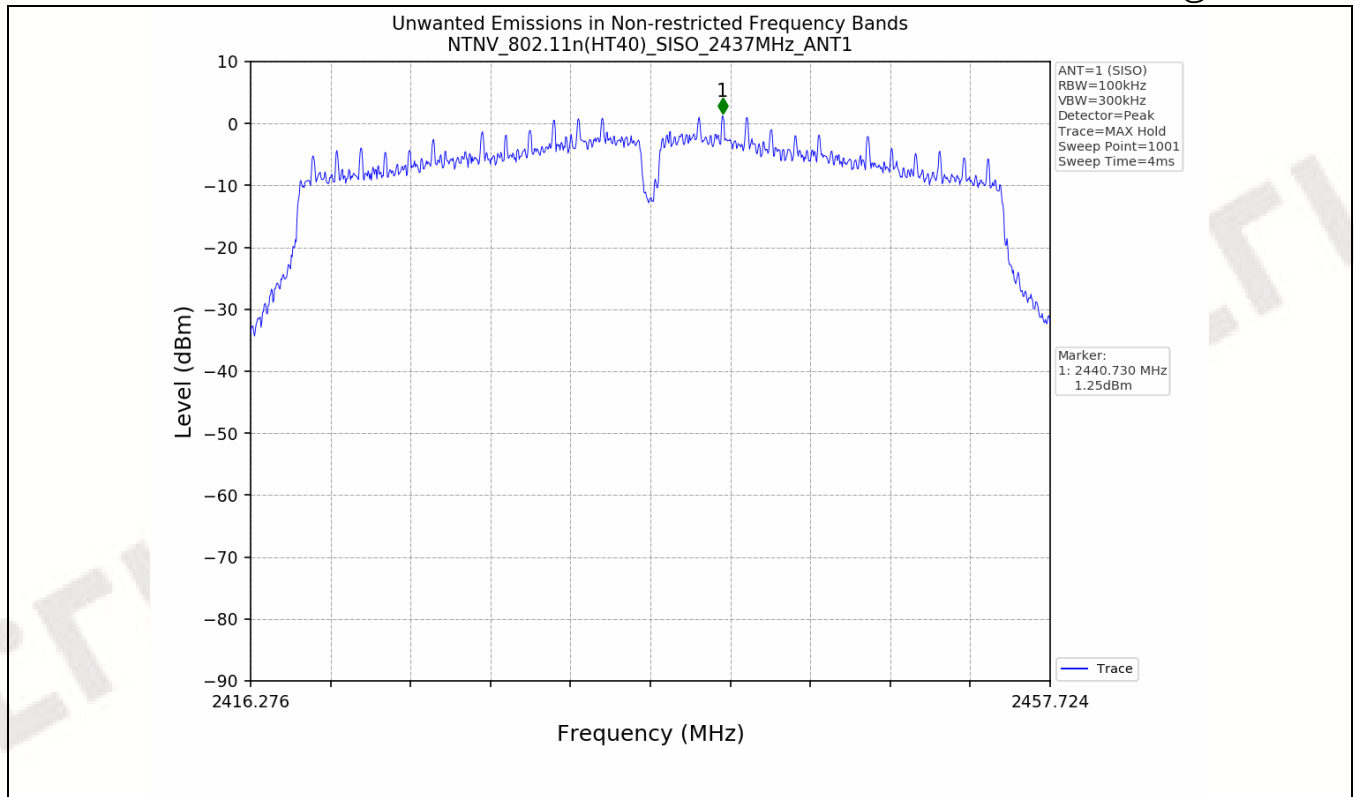




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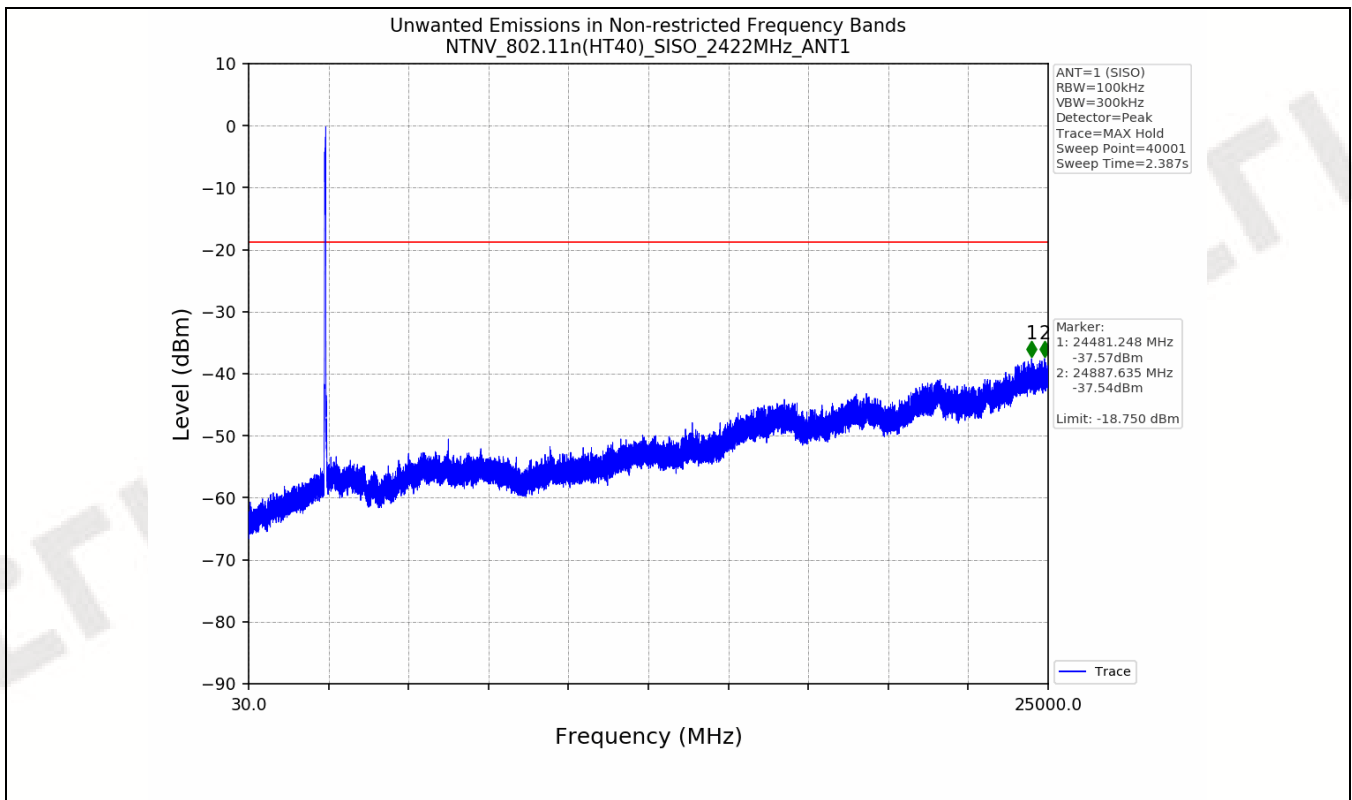


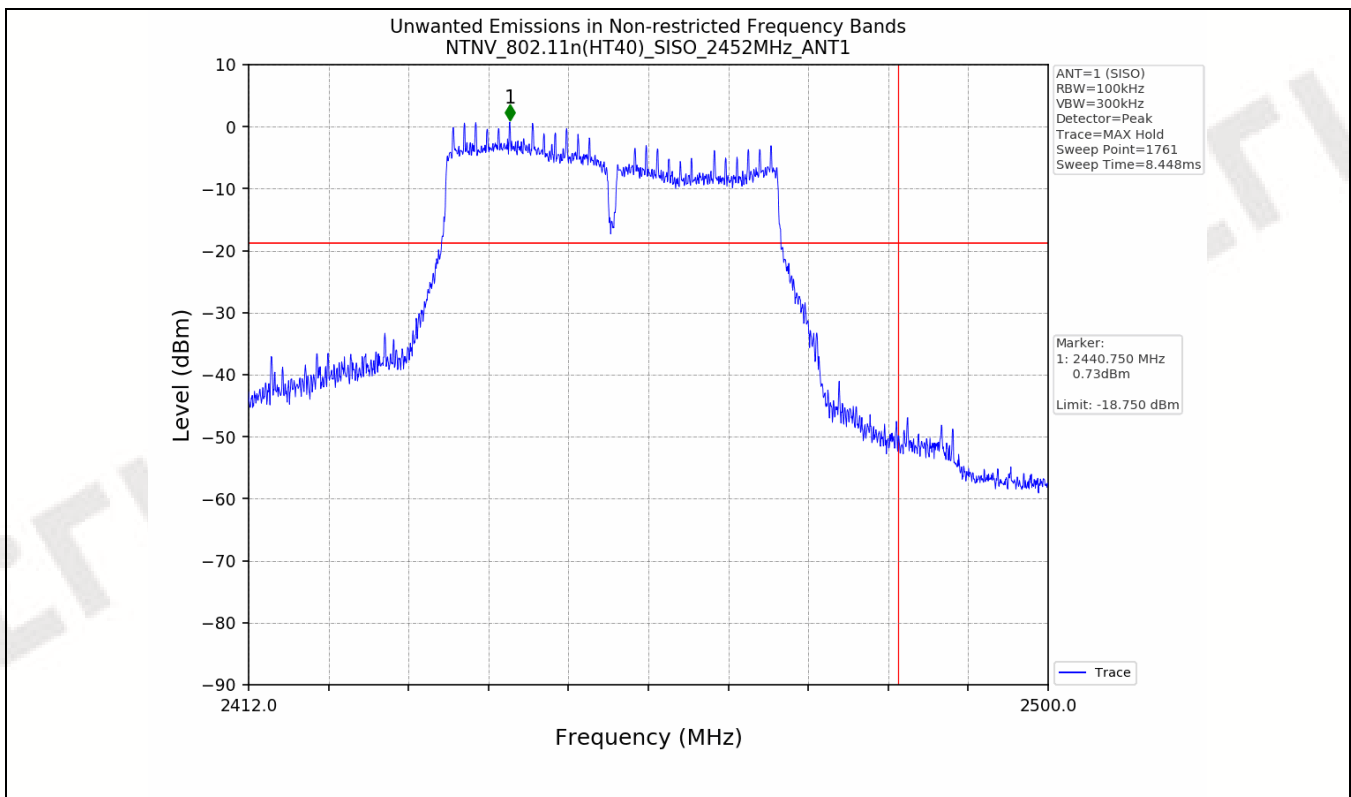
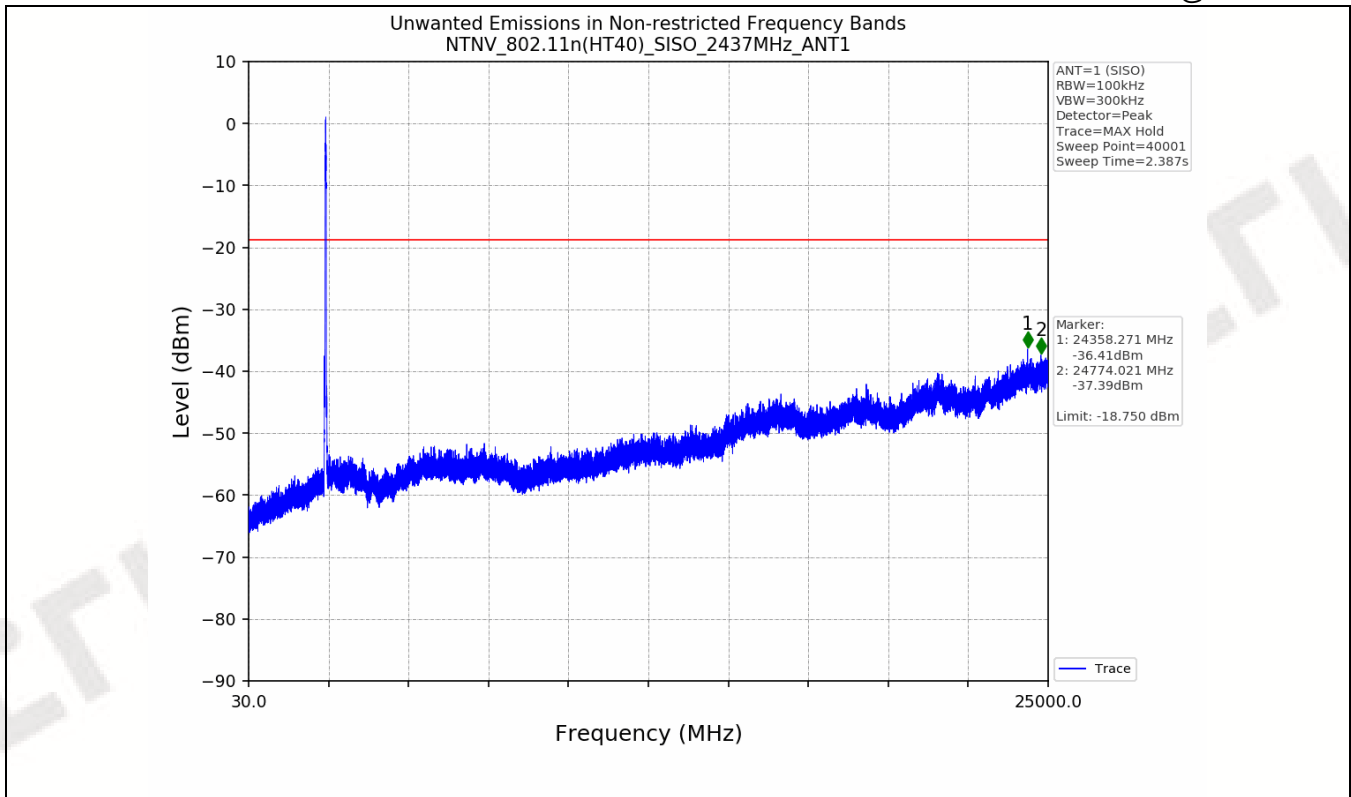




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