

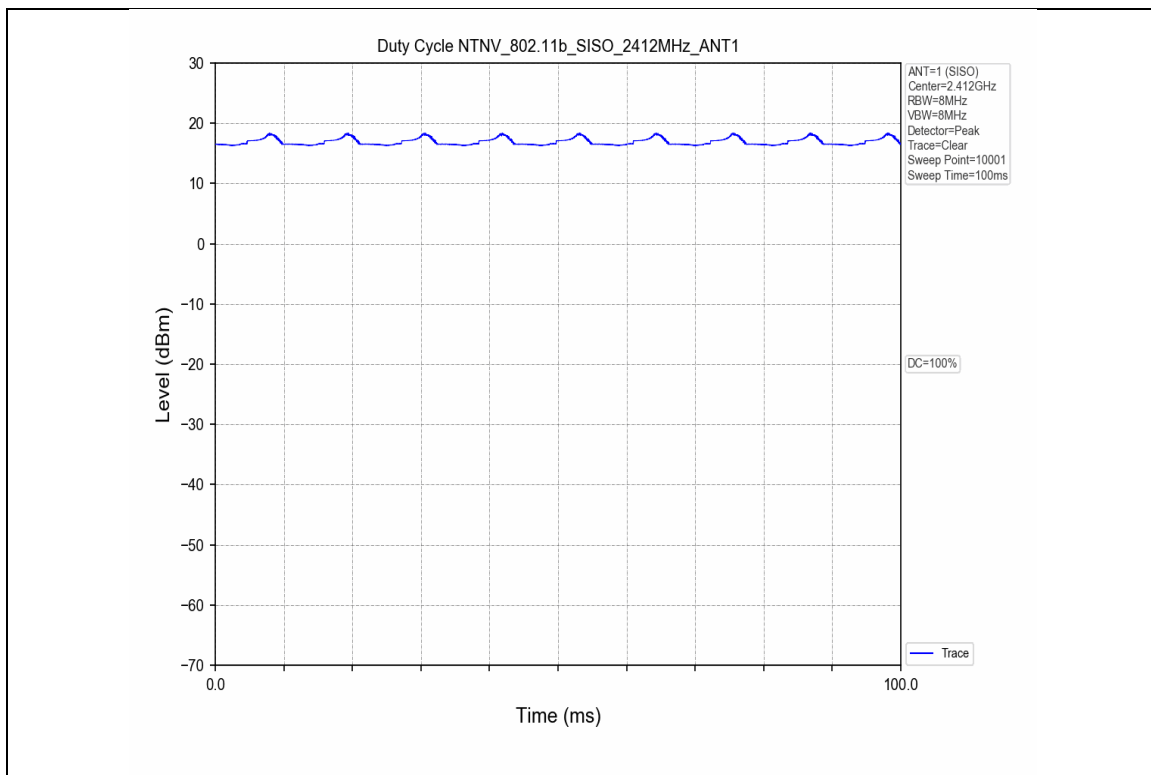
Appendix A for SHEM210300185202

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	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11g	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(HT20)	2412	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2462	SISO	1	100.000	100.000	100.00	0.00
802.11n(HT40)	2422	SISO	1	100.000	100.000	100.00	0.00
	2437	SISO	1	100.000	100.000	100.00	0.00
	2452	SISO	1	100.000	100.000	100.00	0.00

1.2 Test Graph



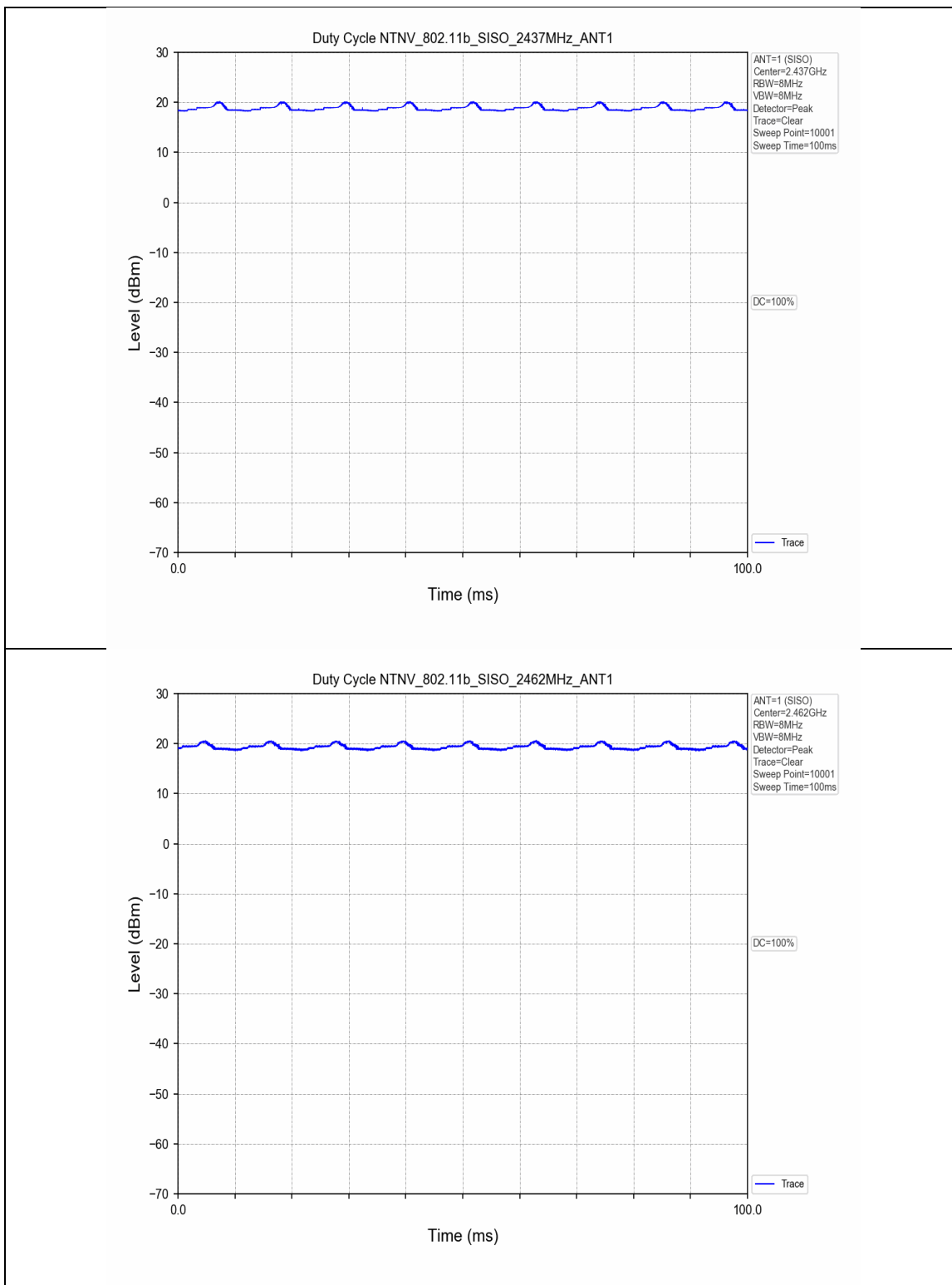
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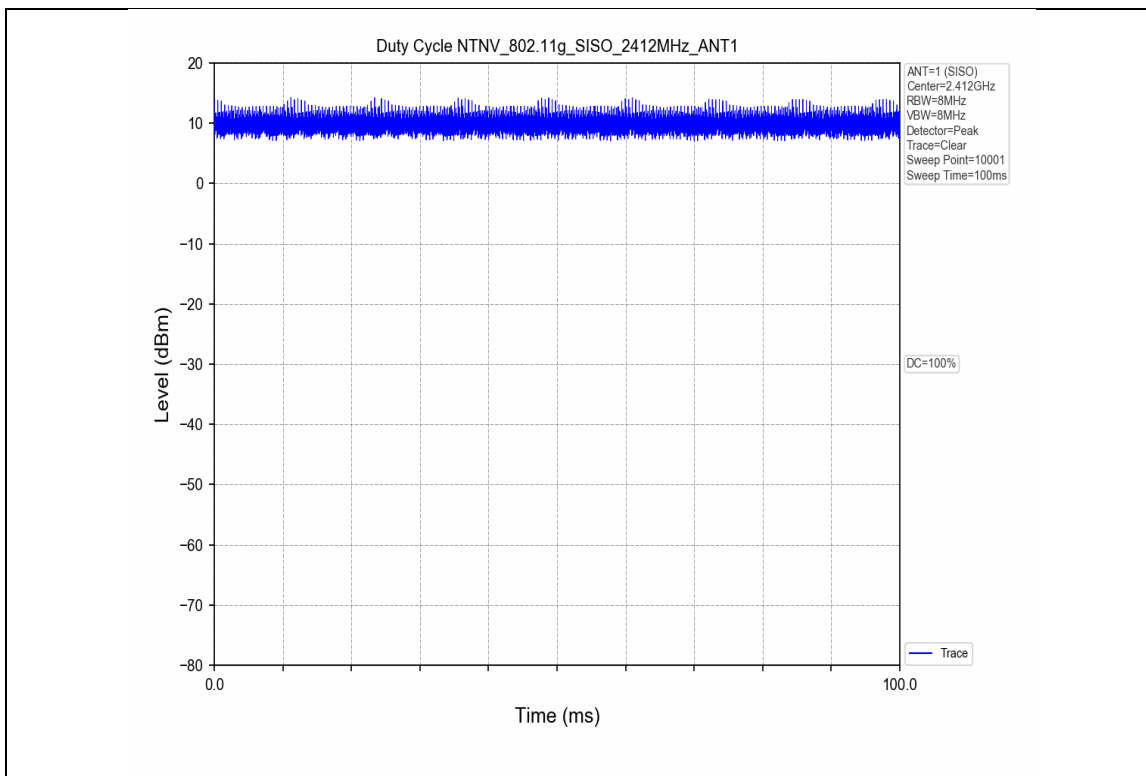
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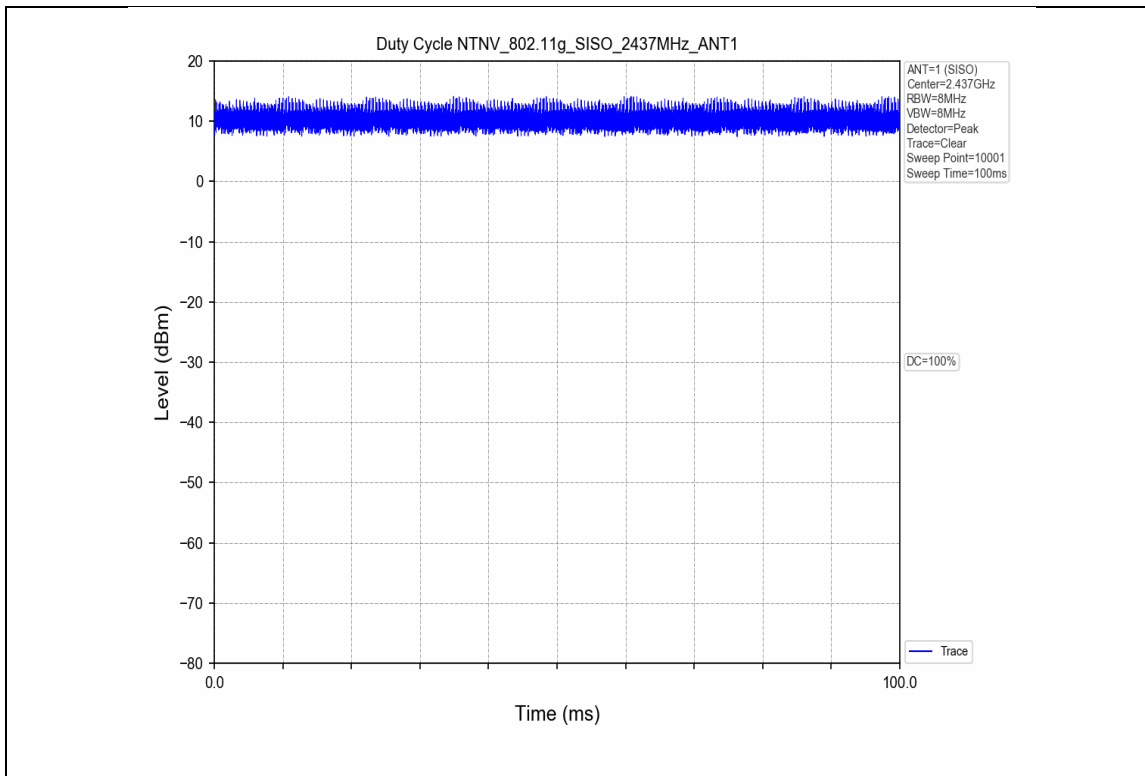
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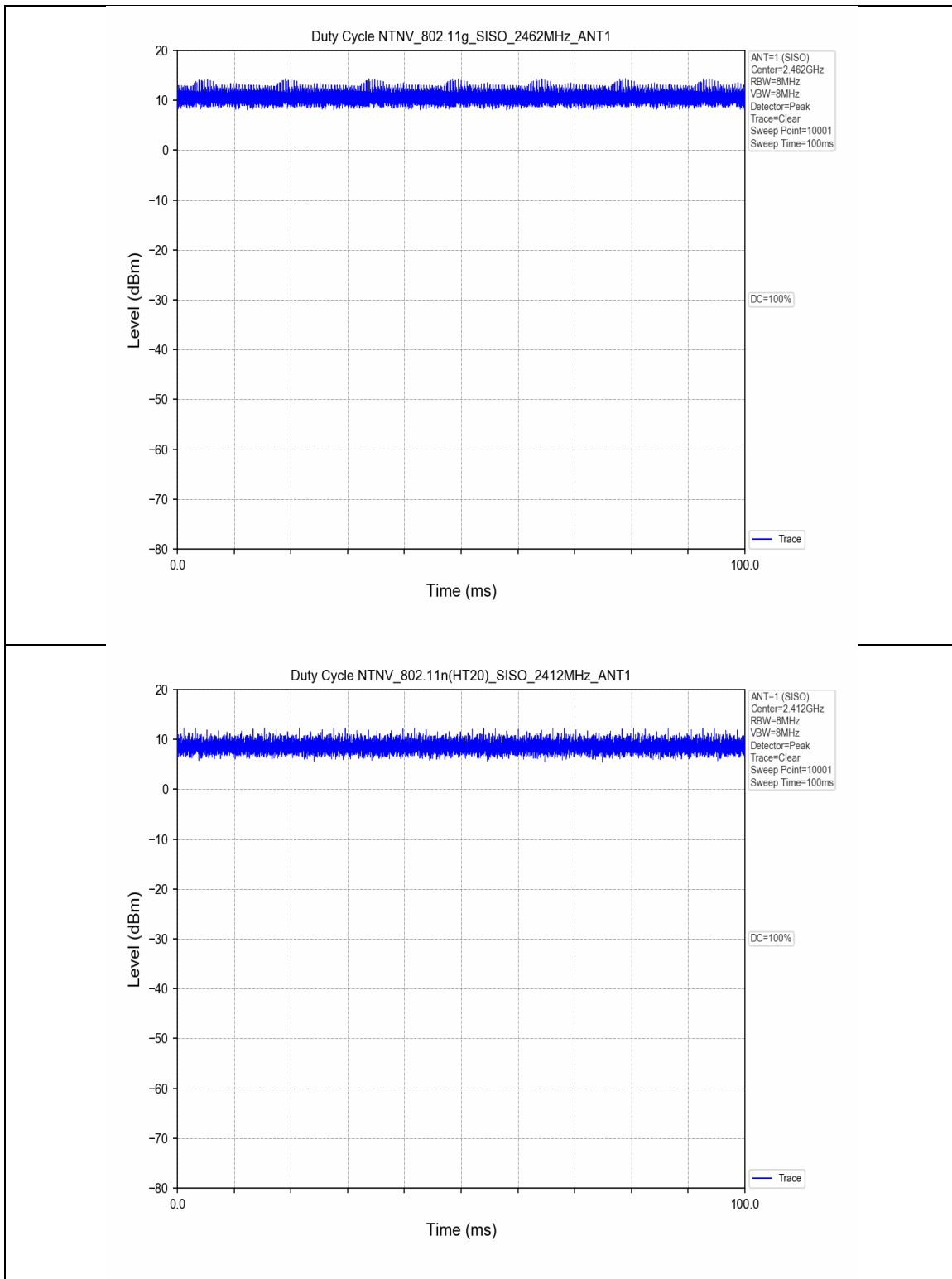
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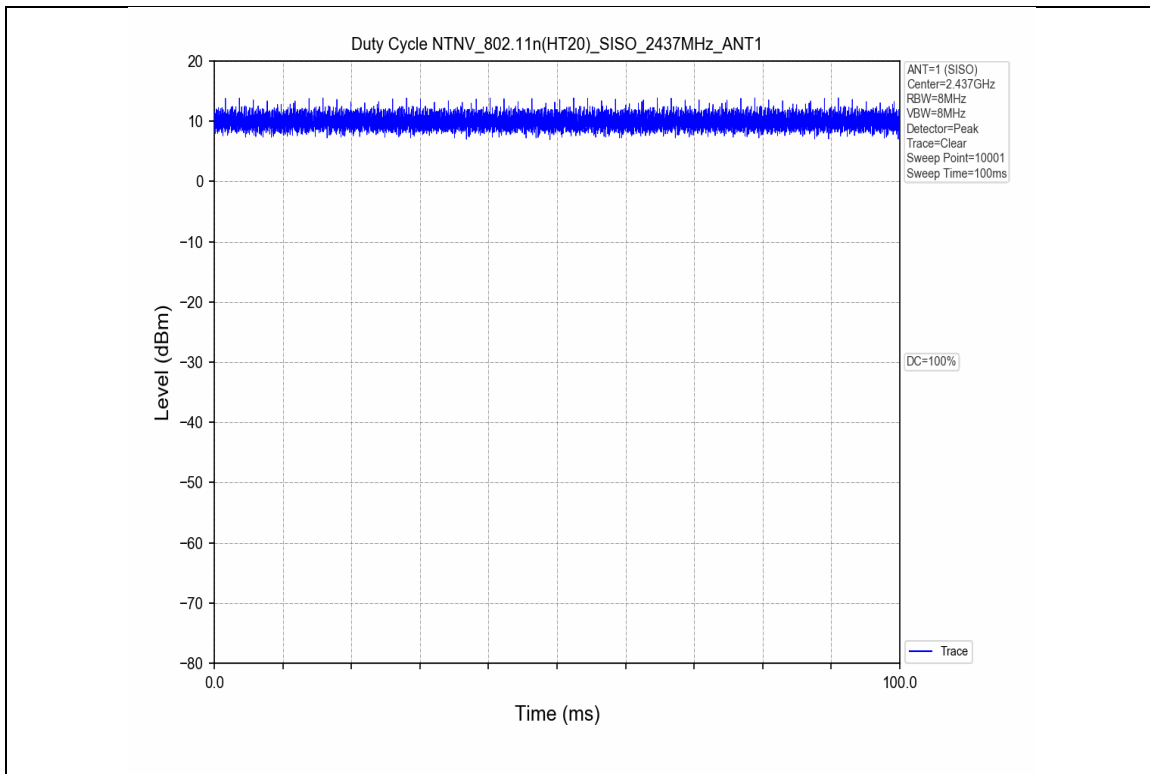
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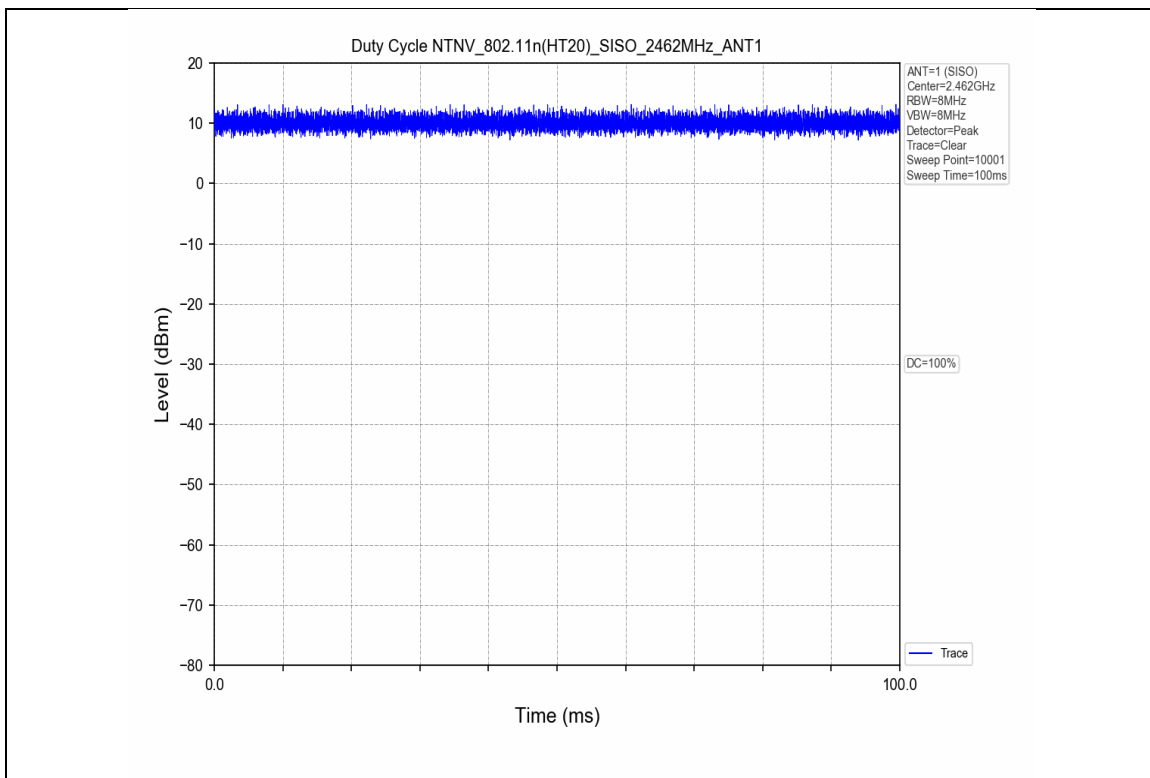
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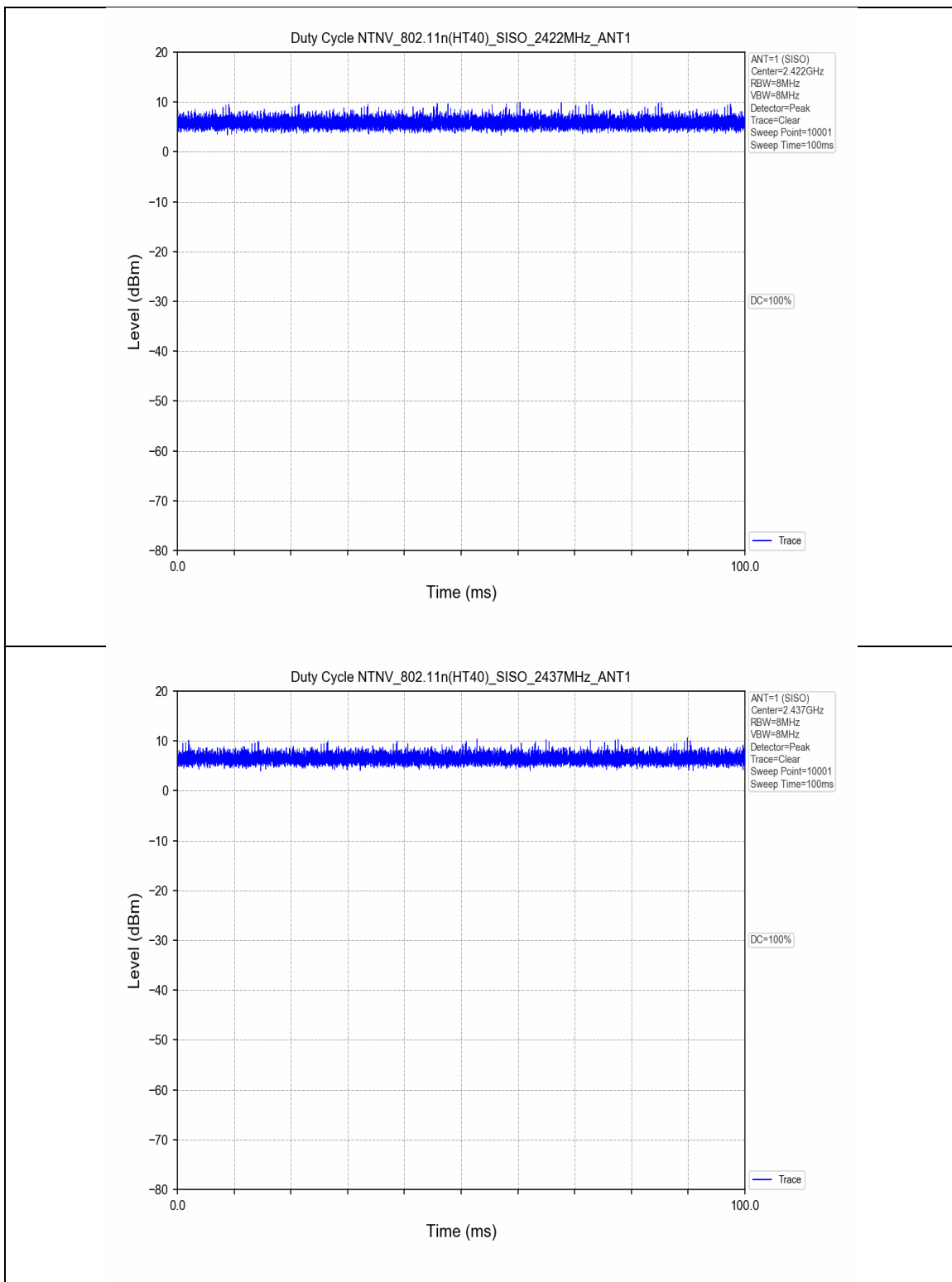
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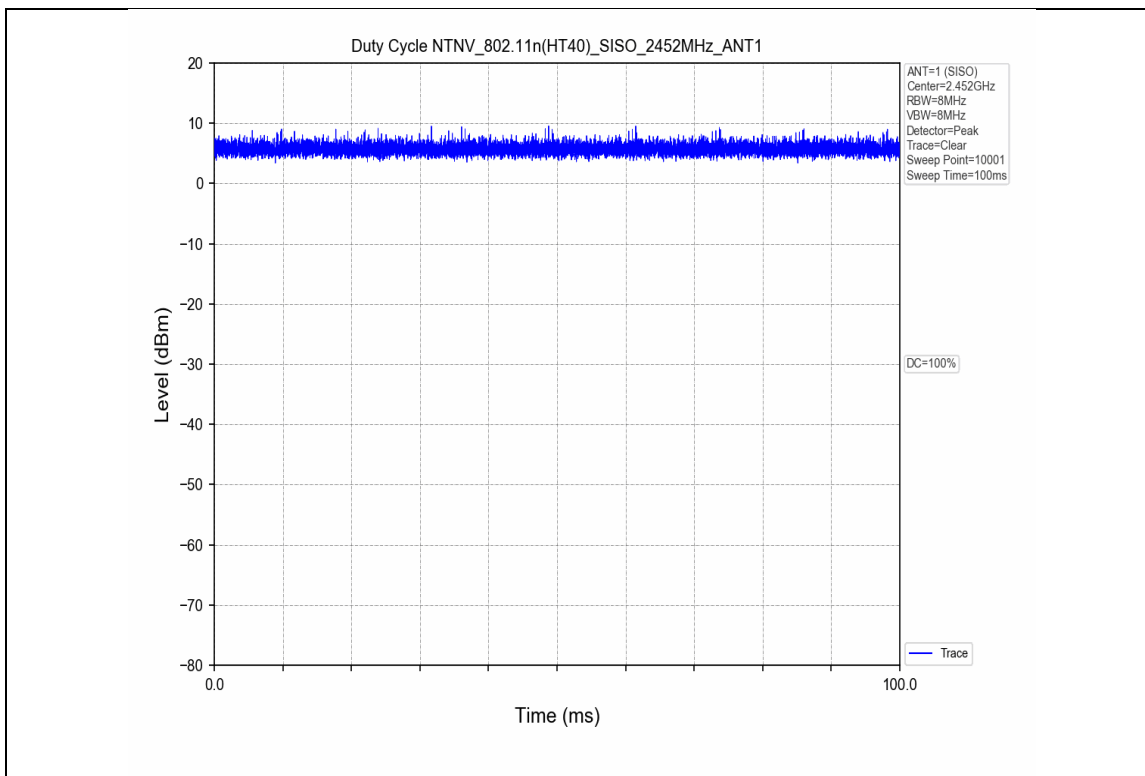
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2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.110	≥0.5	PASS
	2437	SISO	1	9.597	≥0.5	PASS
	2462	SISO	1	10.079	≥0.5	PASS
802.11g	2412	SISO	1	16.594	≥0.5	PASS
	2437	SISO	1	16.557	≥0.5	PASS
	2462	SISO	1	16.600	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.810	≥0.5	PASS
	2437	SISO	1	17.779	≥0.5	PASS
	2462	SISO	1	17.804	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	36.031	≥0.5	PASS
	2437	SISO	1	35.171	≥0.5	PASS
	2452	SISO	1	36.010	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	15.528	Only for Report Use
	2437	SISO	1	14.439	Only for Report Use

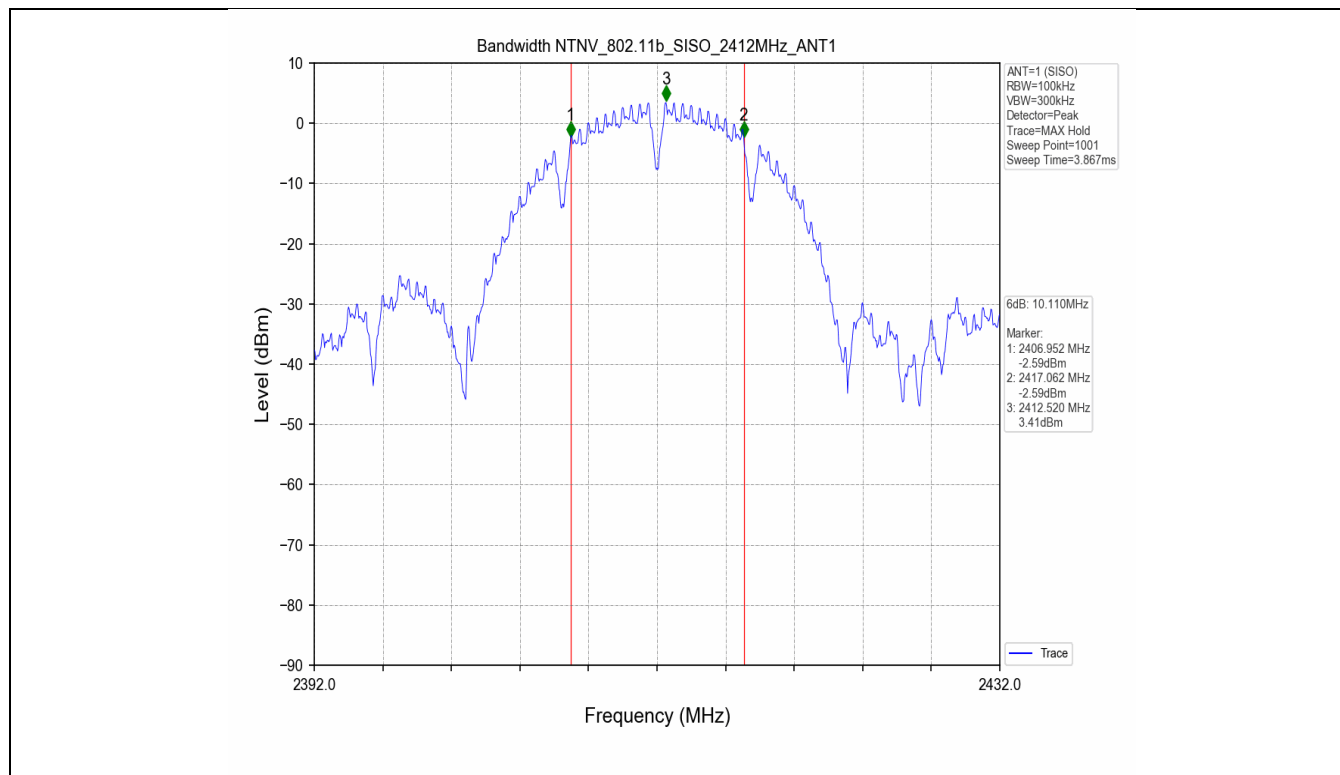


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	2462	SISO	1	14.818	Only for Report Use
802.11g	2412	SISO	1	17.085	Only for Report Use
	2437	SISO	1	16.881	Only for Report Use
	2462	SISO	1	16.806	Only for Report Use
	2412	SISO	1	18.053	Only for Report Use
802.11n(HT20)	2437	SISO	1	17.934	Only for Report Use
	2462	SISO	1	17.830	Only for Report Use
	2422	SISO	1	36.456	Only for Report Use
802.11n(HT40)	2437	SISO	1	36.274	Only for Report Use
	2452	SISO	1	36.151	Only for Report Use

2.2 Test Graph - 6dB Bandwidth

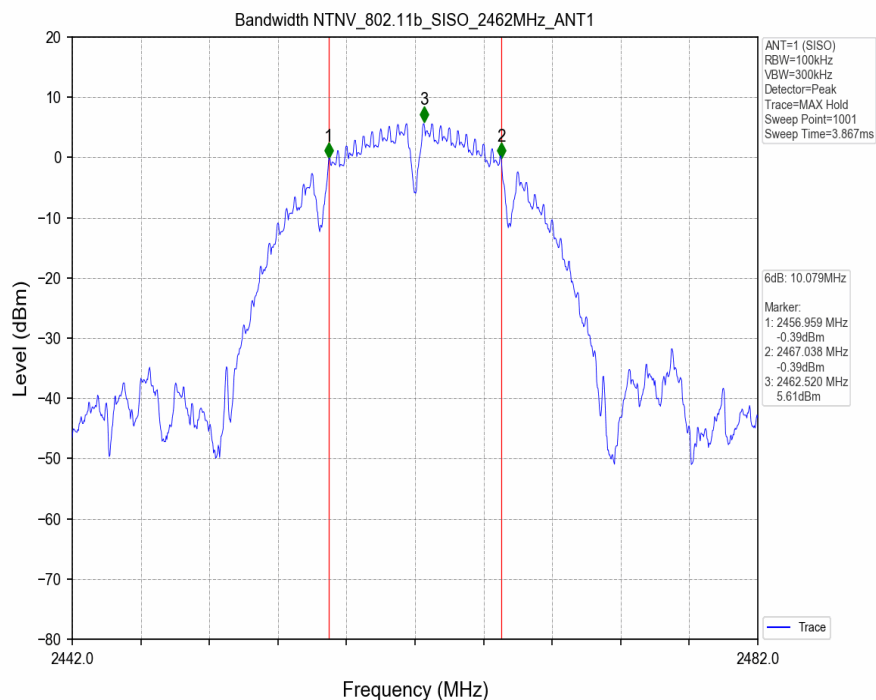
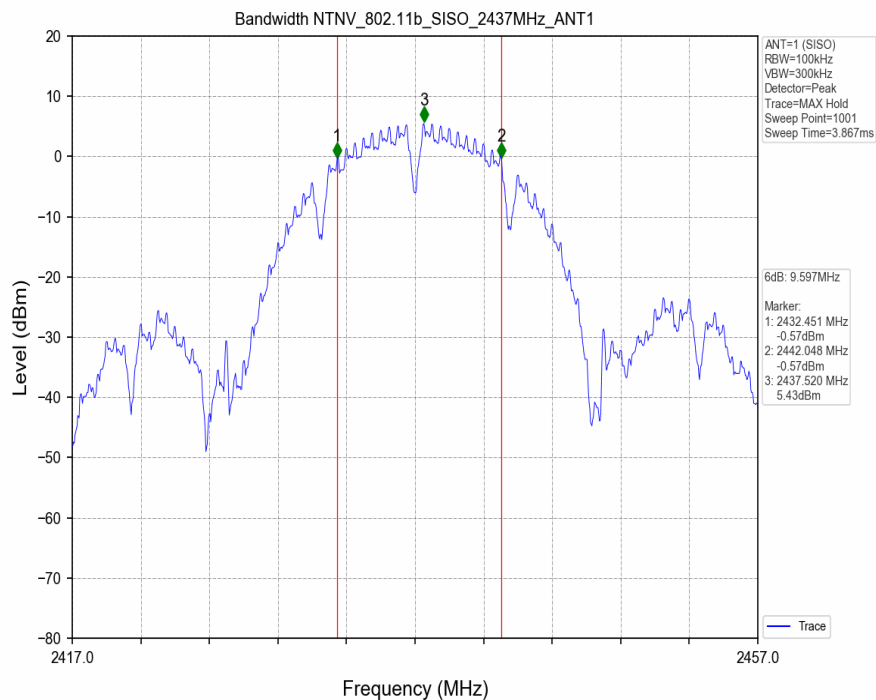


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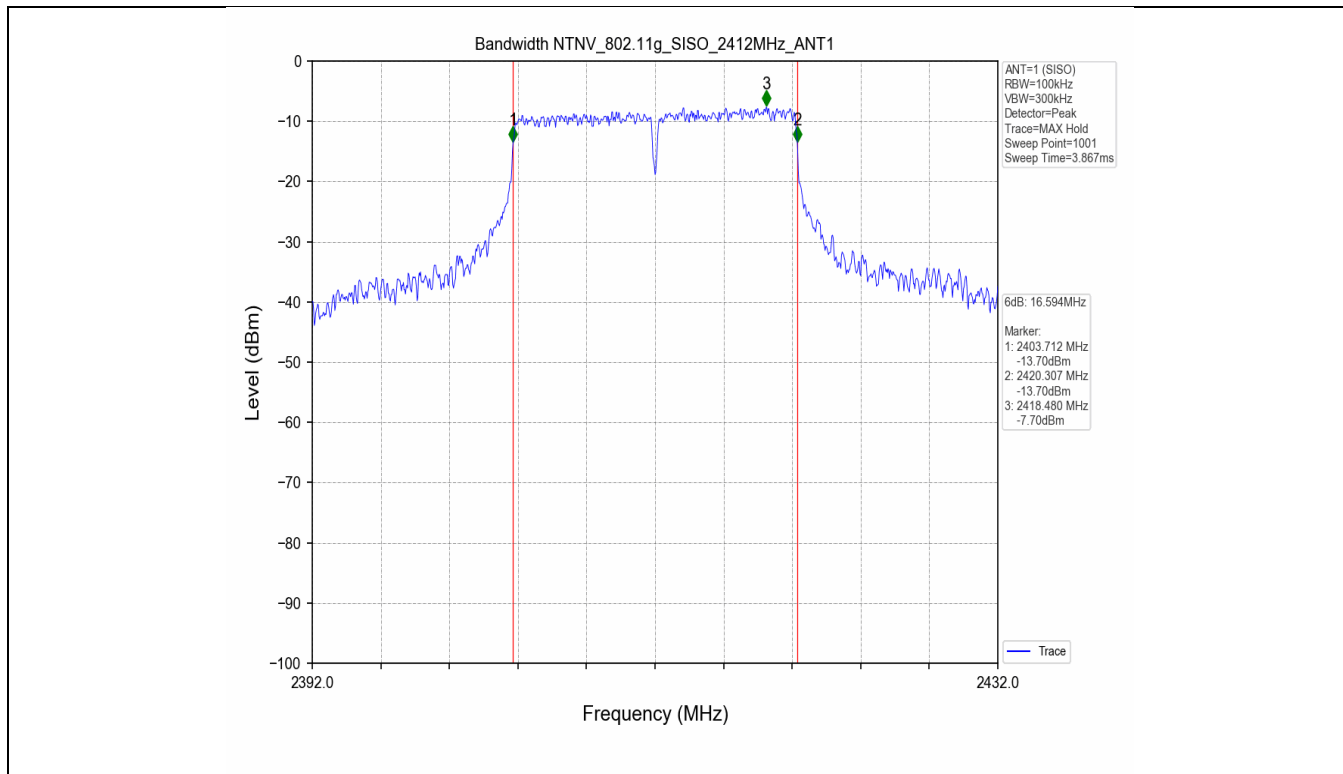
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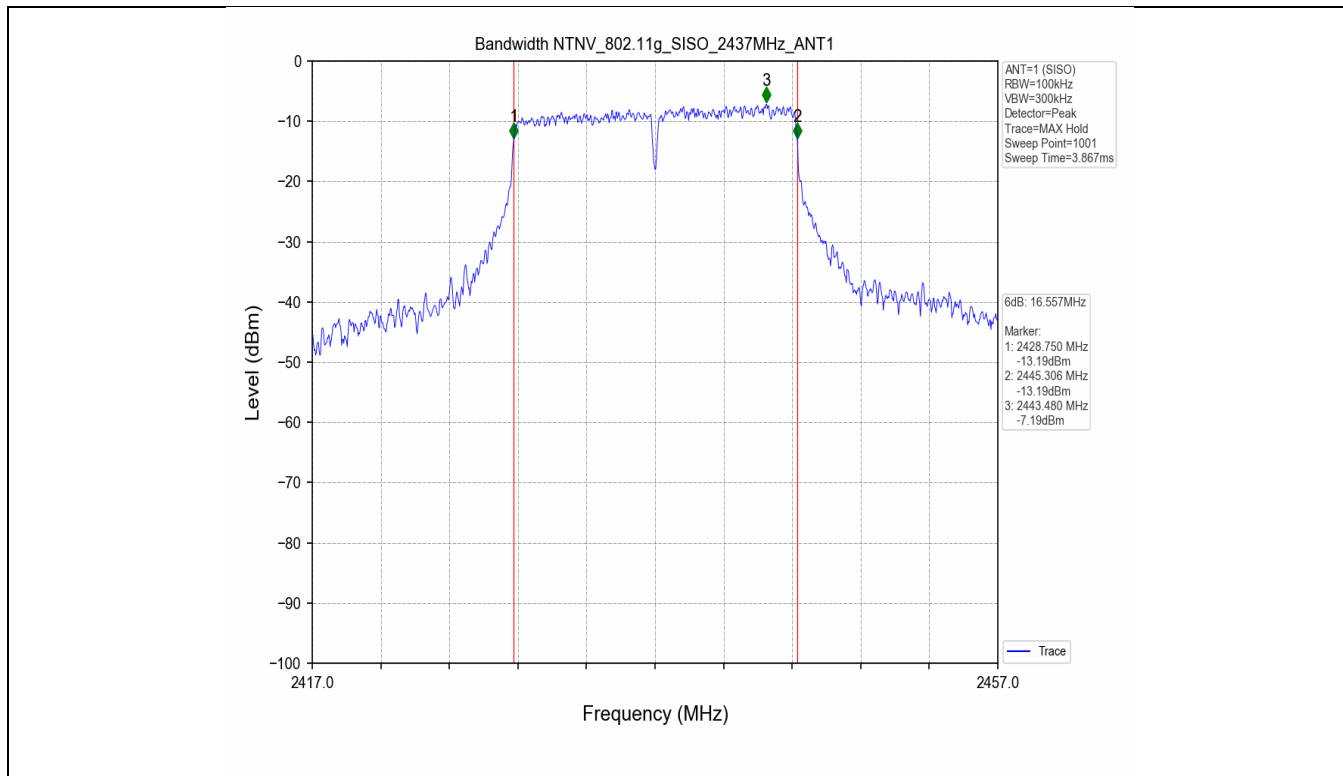
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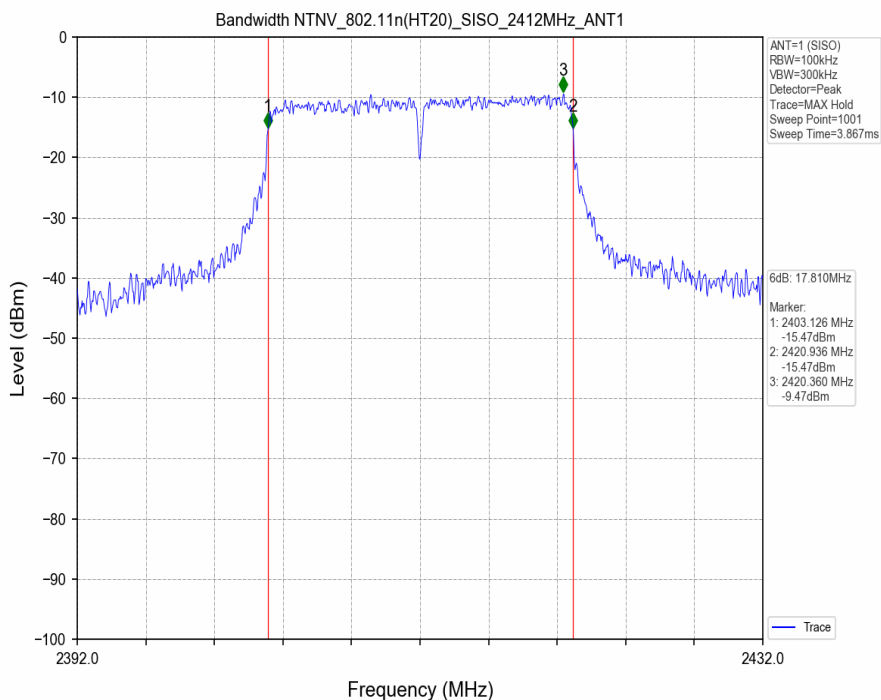
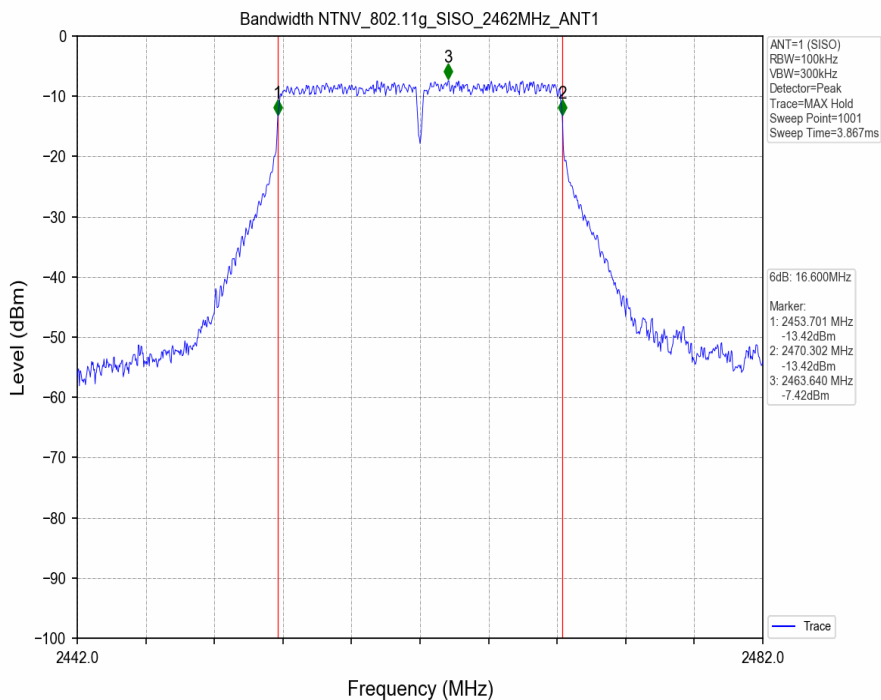
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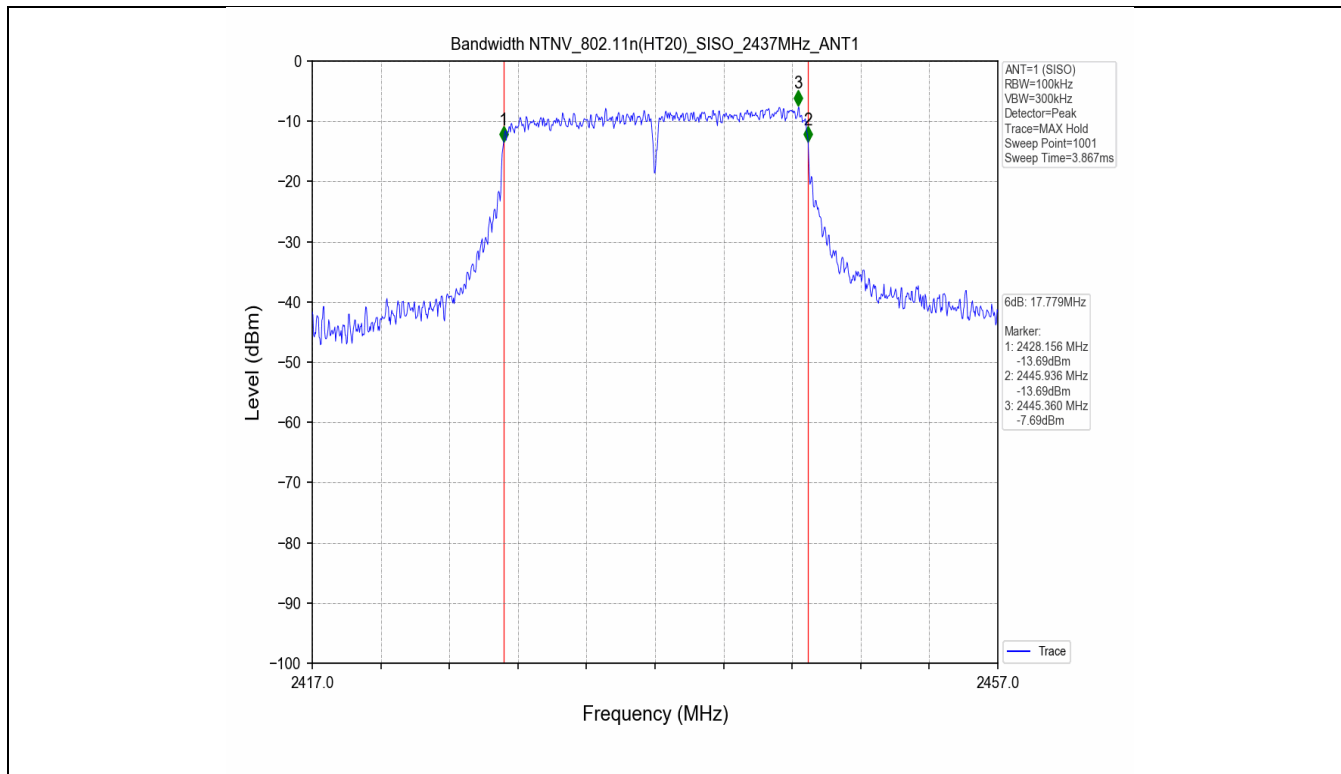
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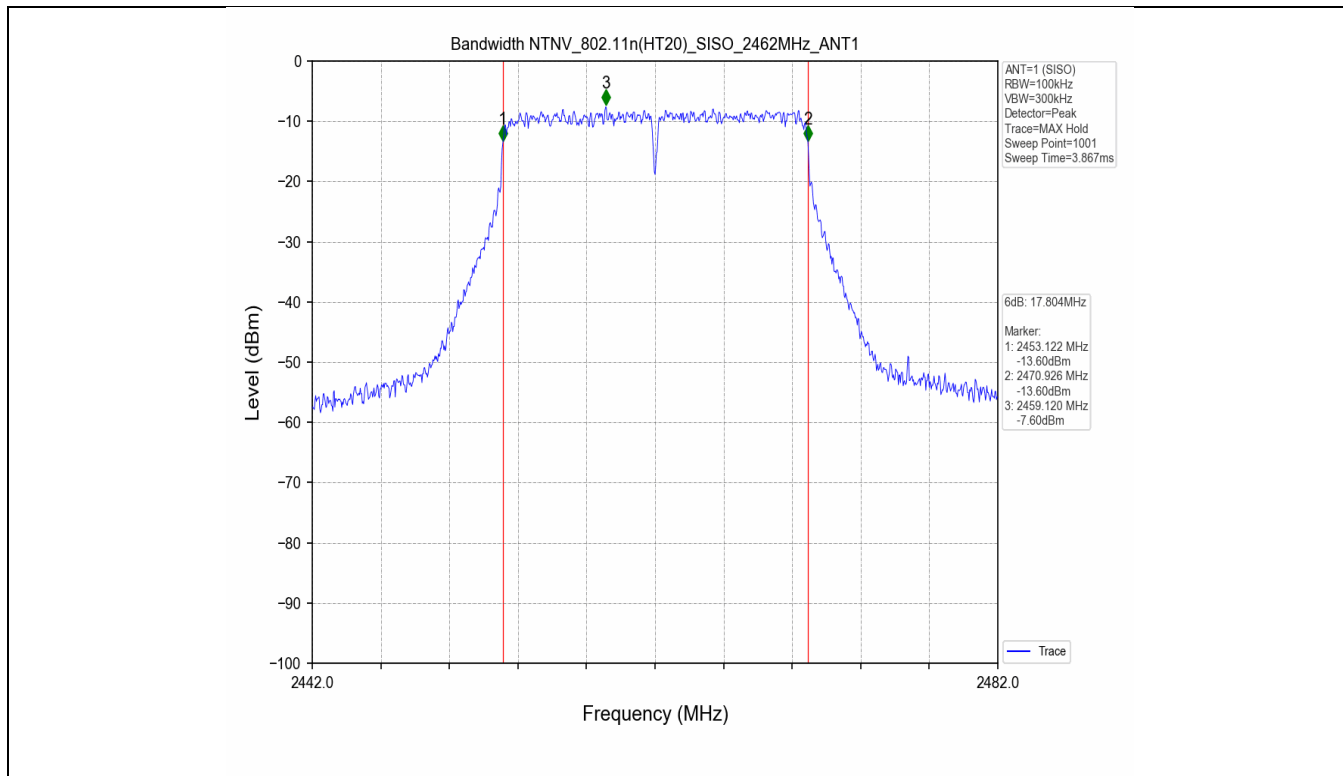
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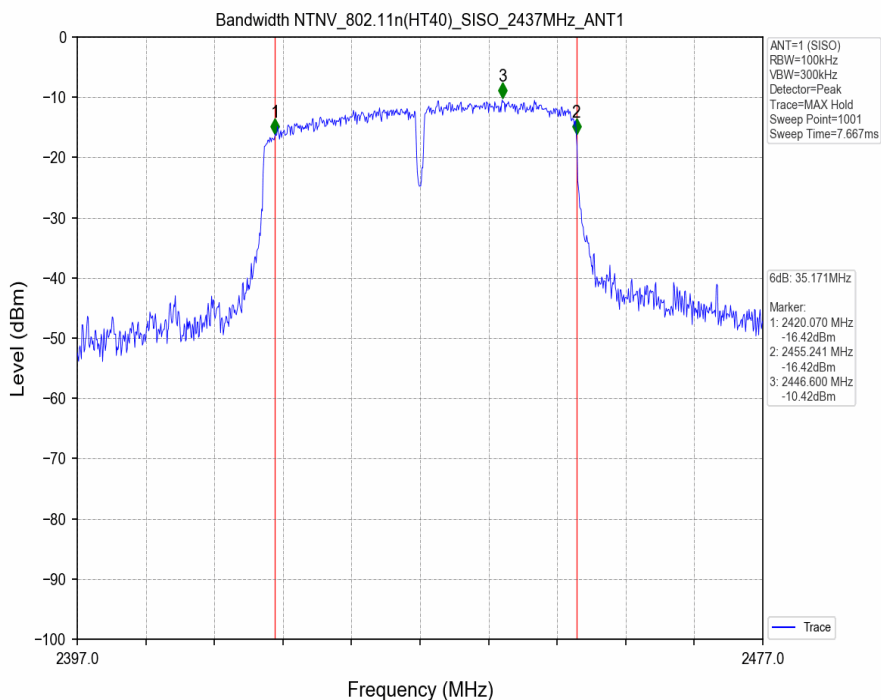
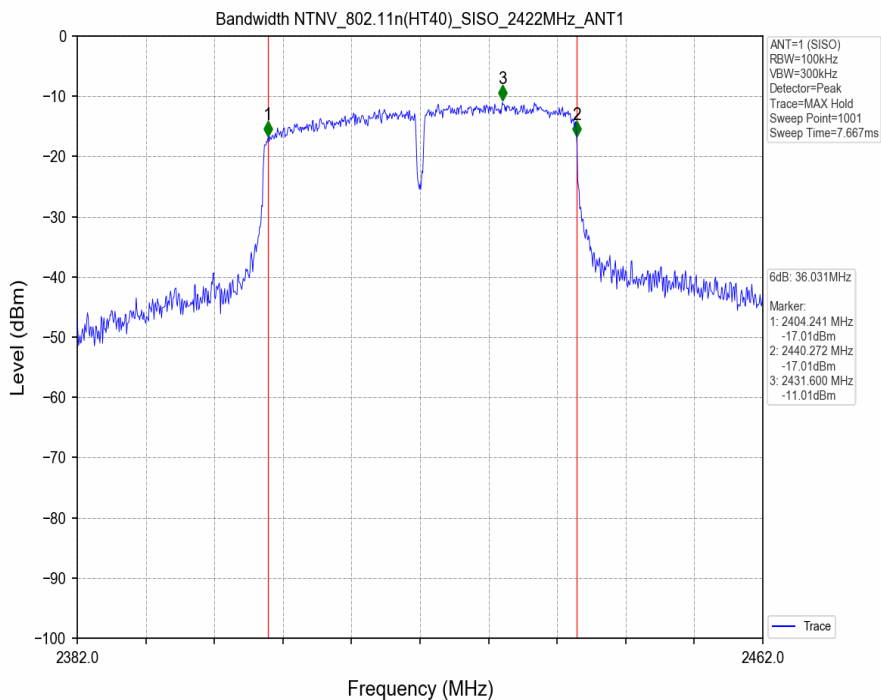
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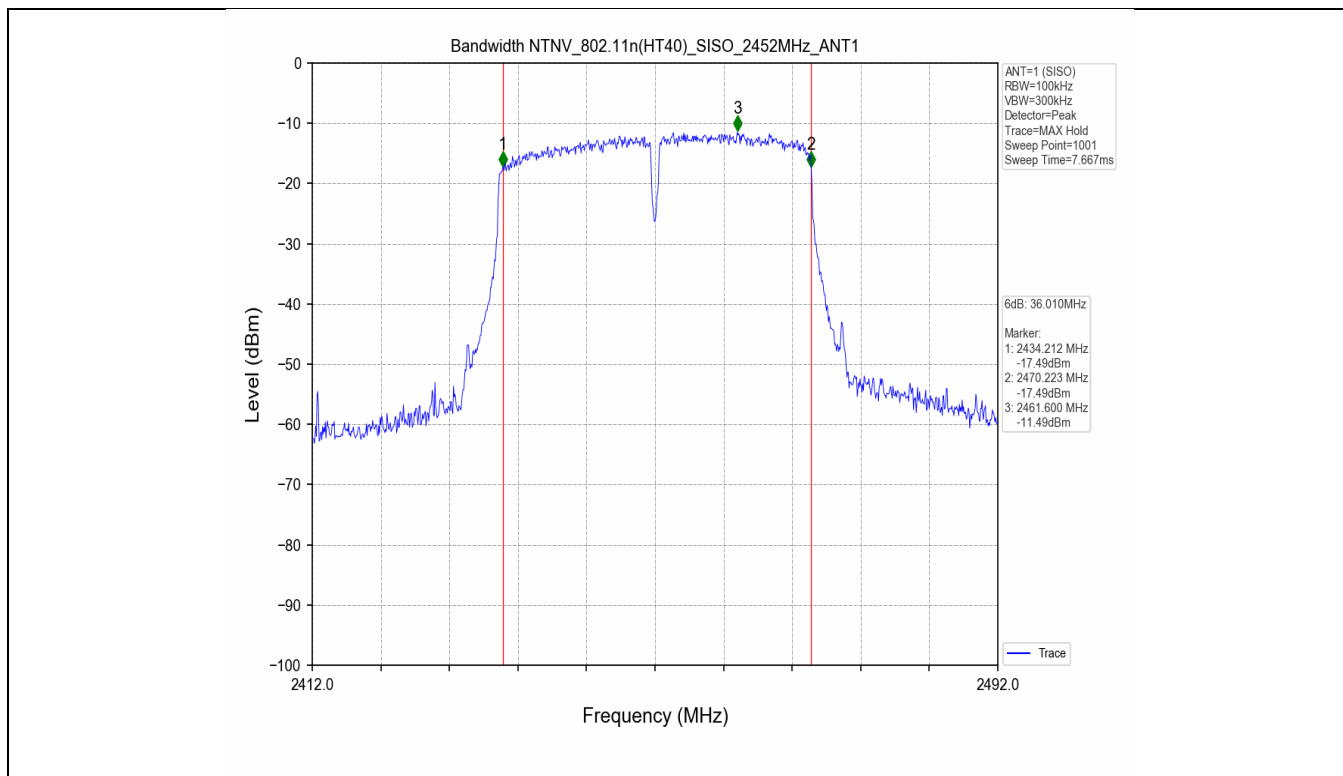
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Testing Center EMC Lab (Shanghai)

NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612
中国·上海·松江区金都西路588号 邮编: 201612

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2.3 Test Graph - 99% Occupied Bandwidth



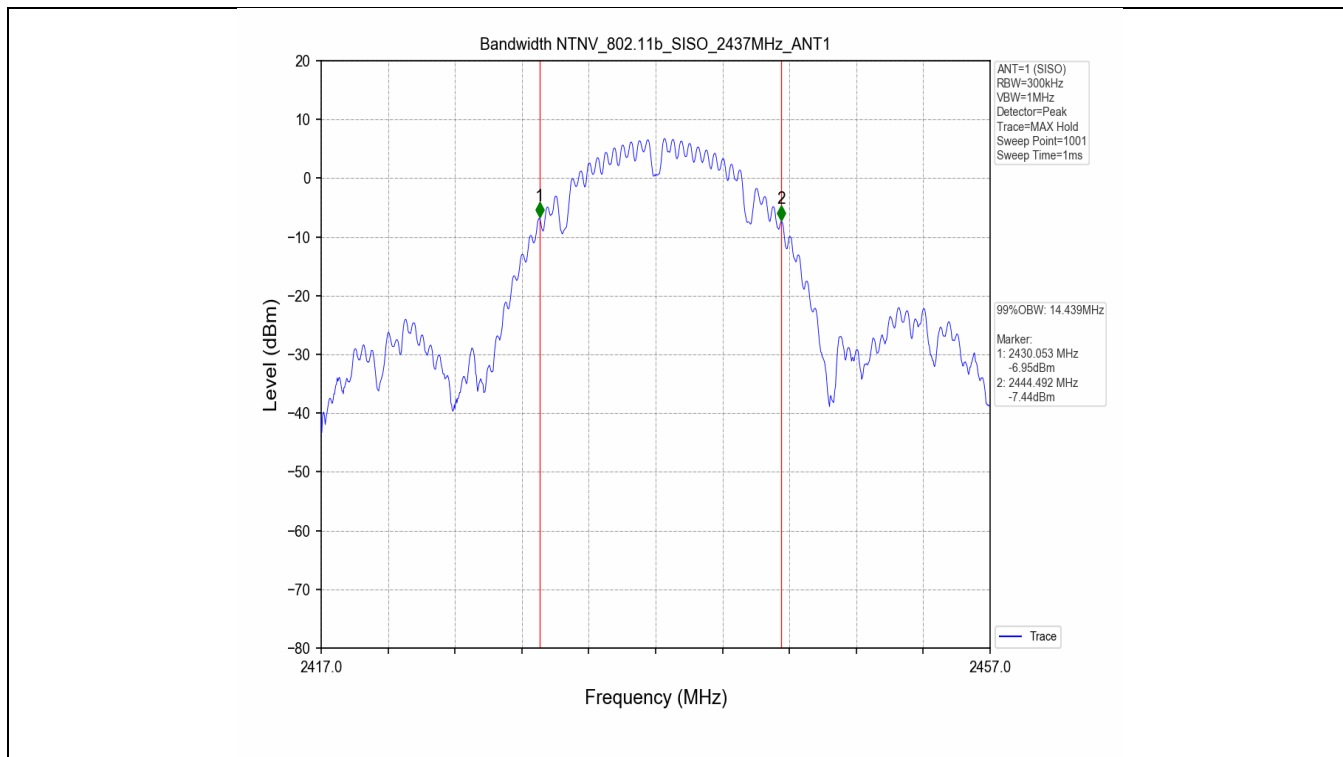
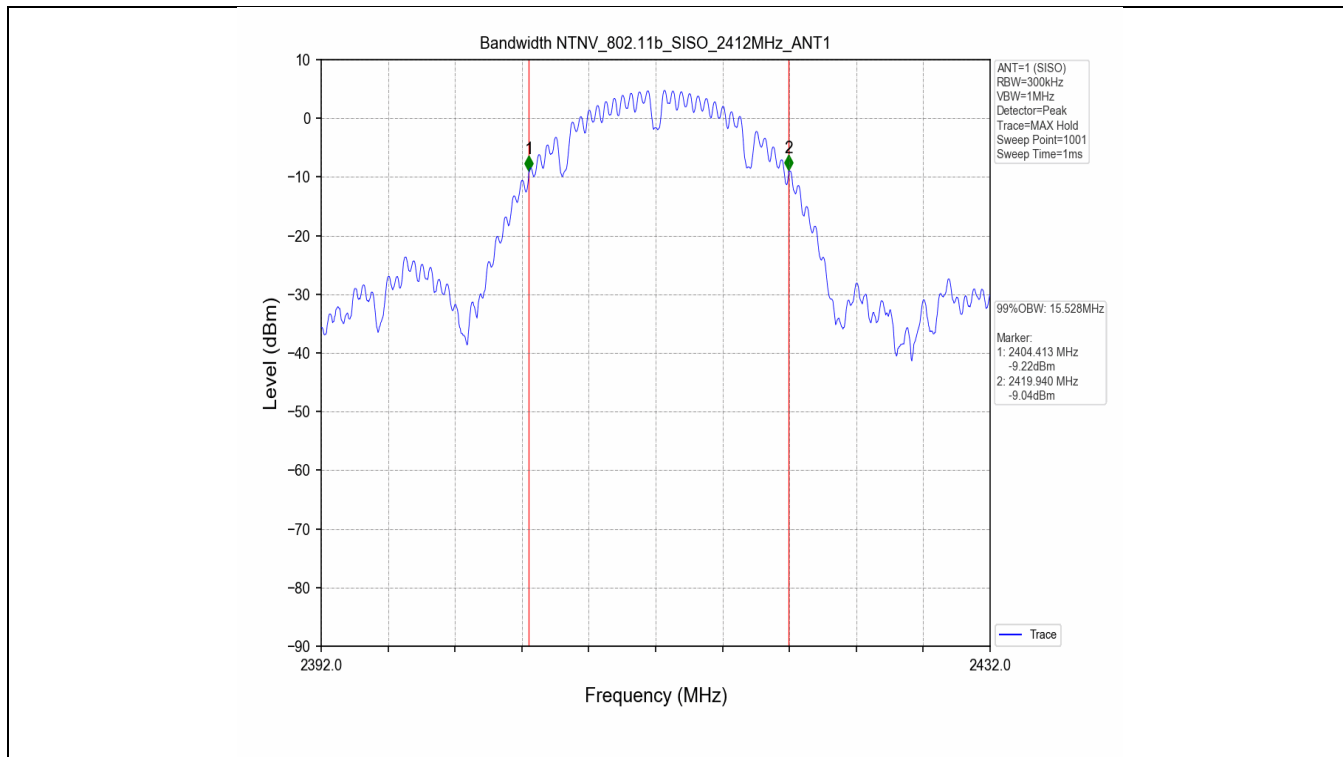
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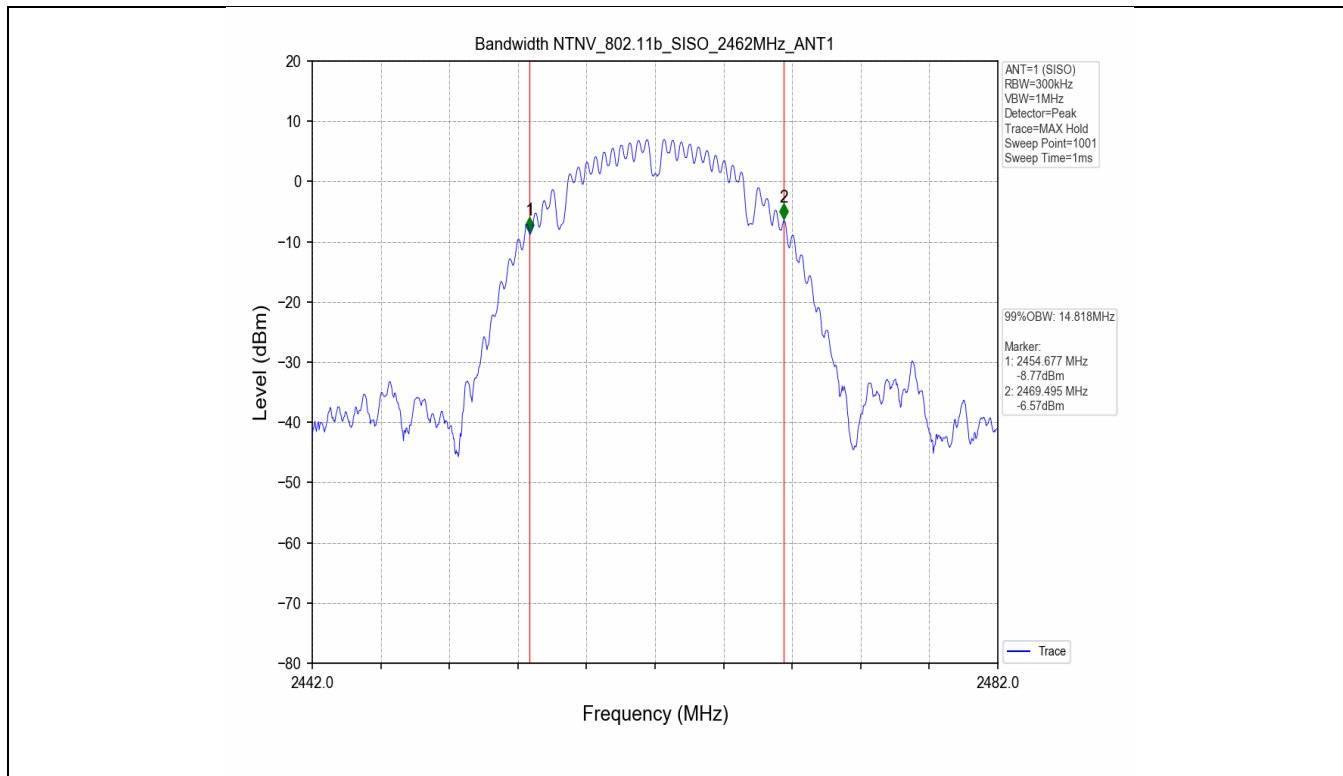
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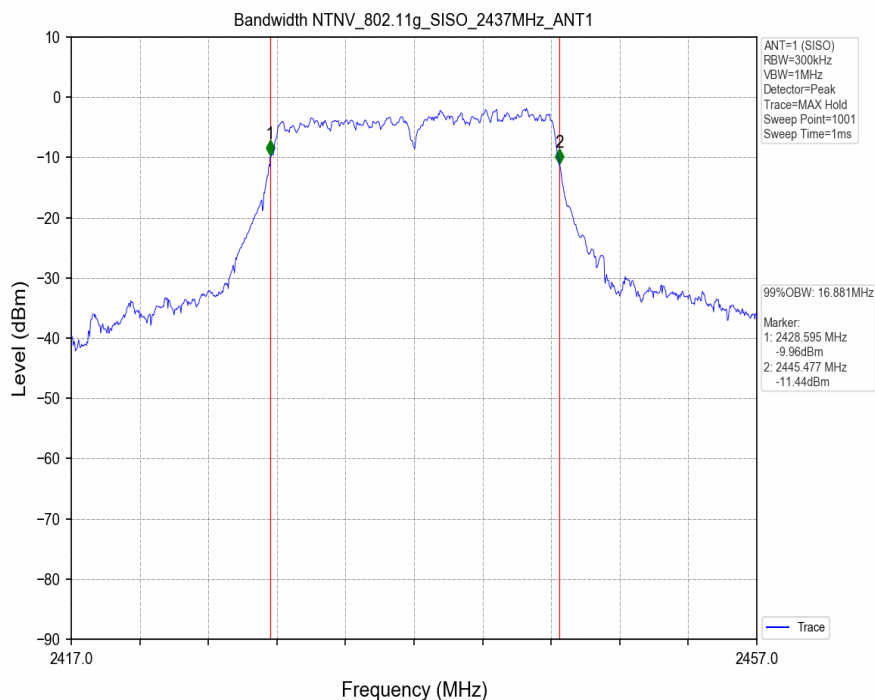
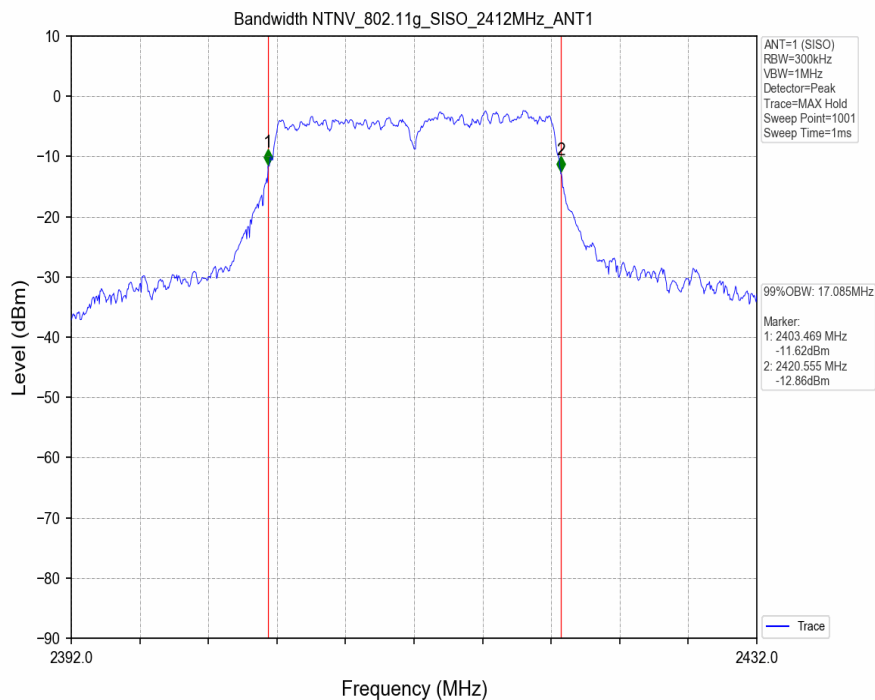
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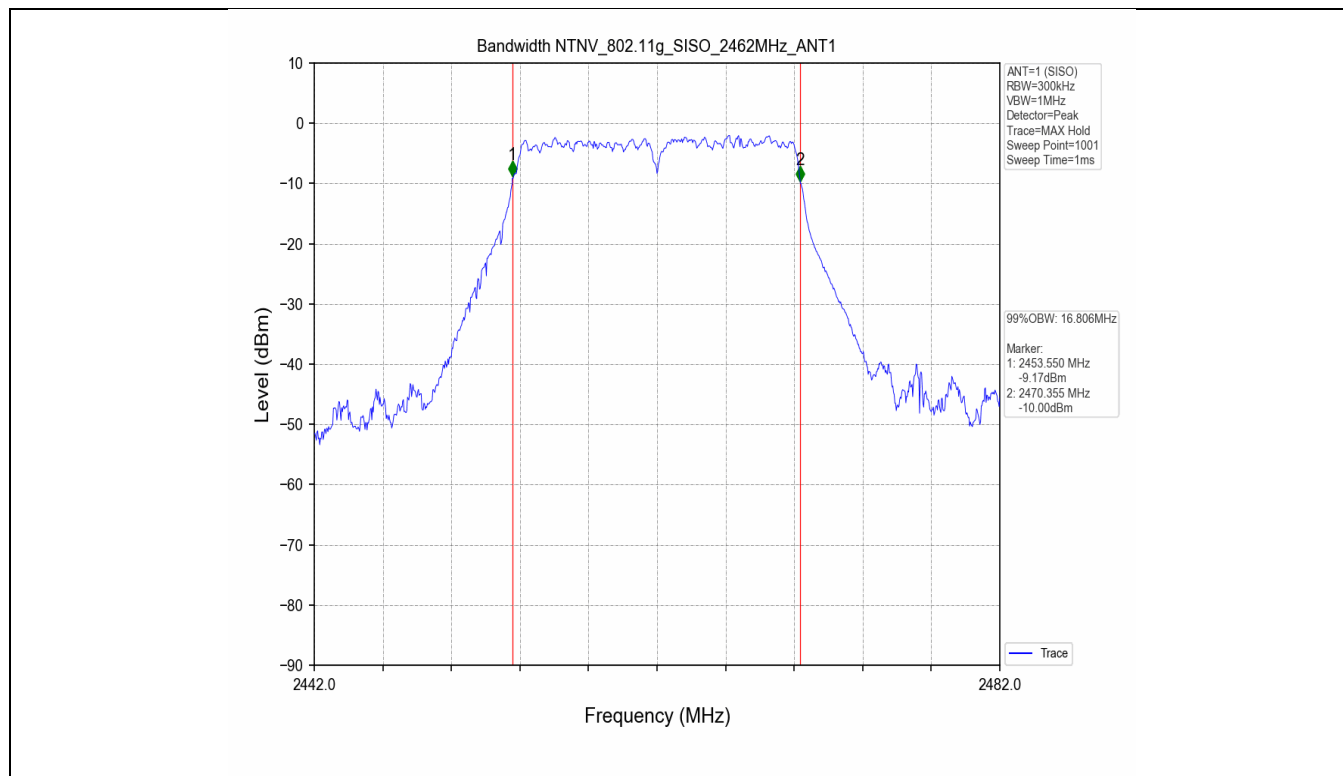
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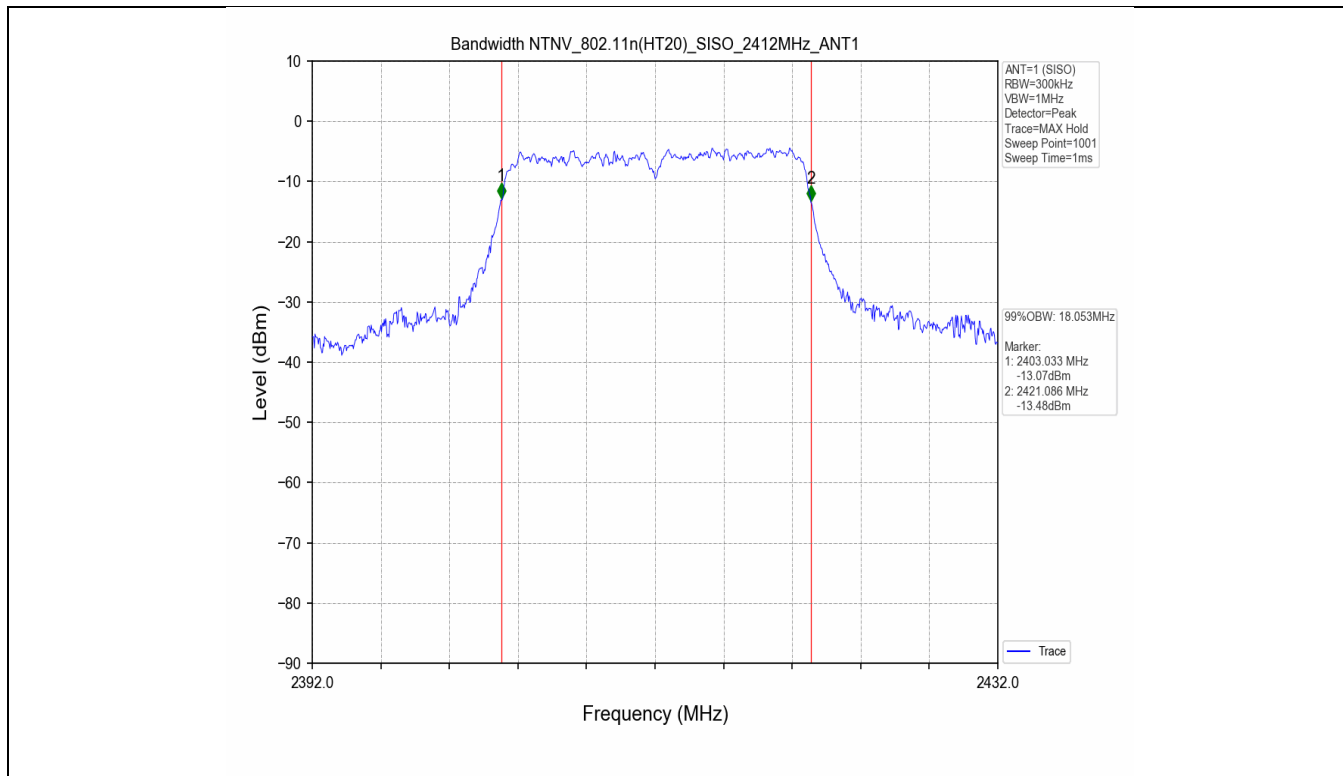
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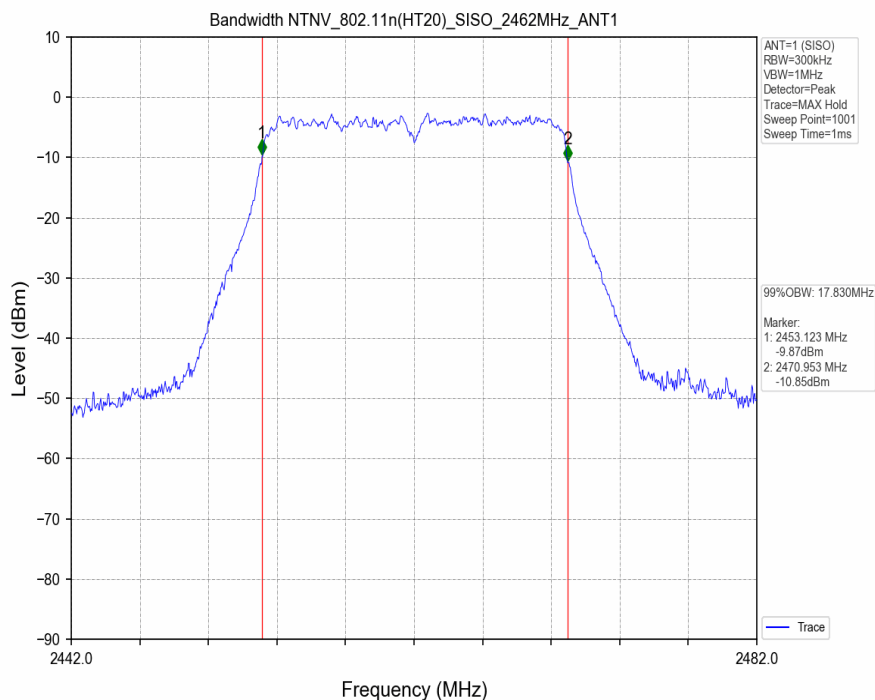
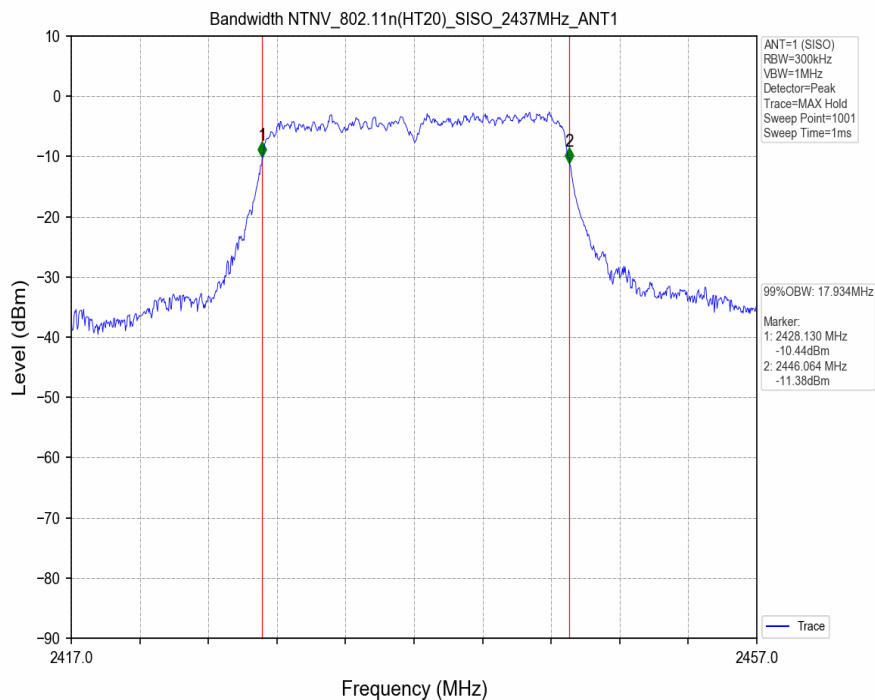
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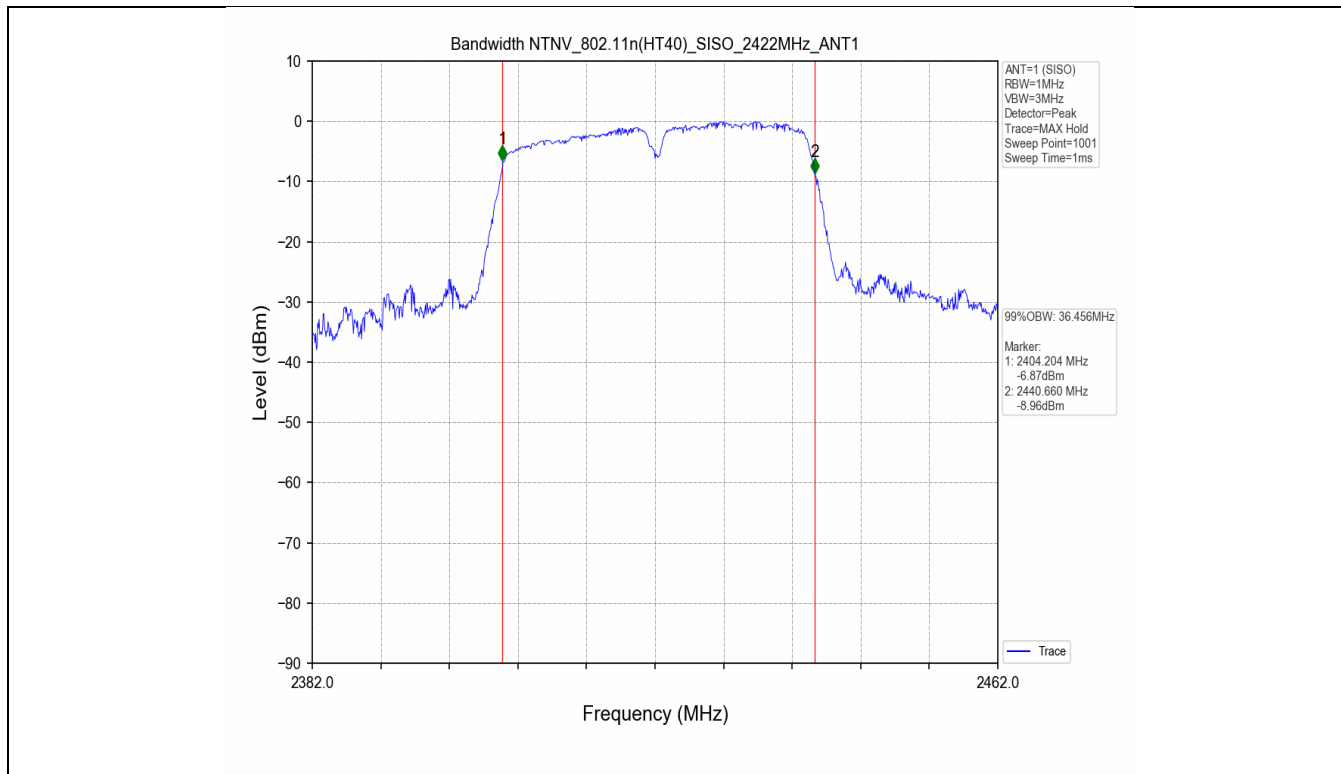
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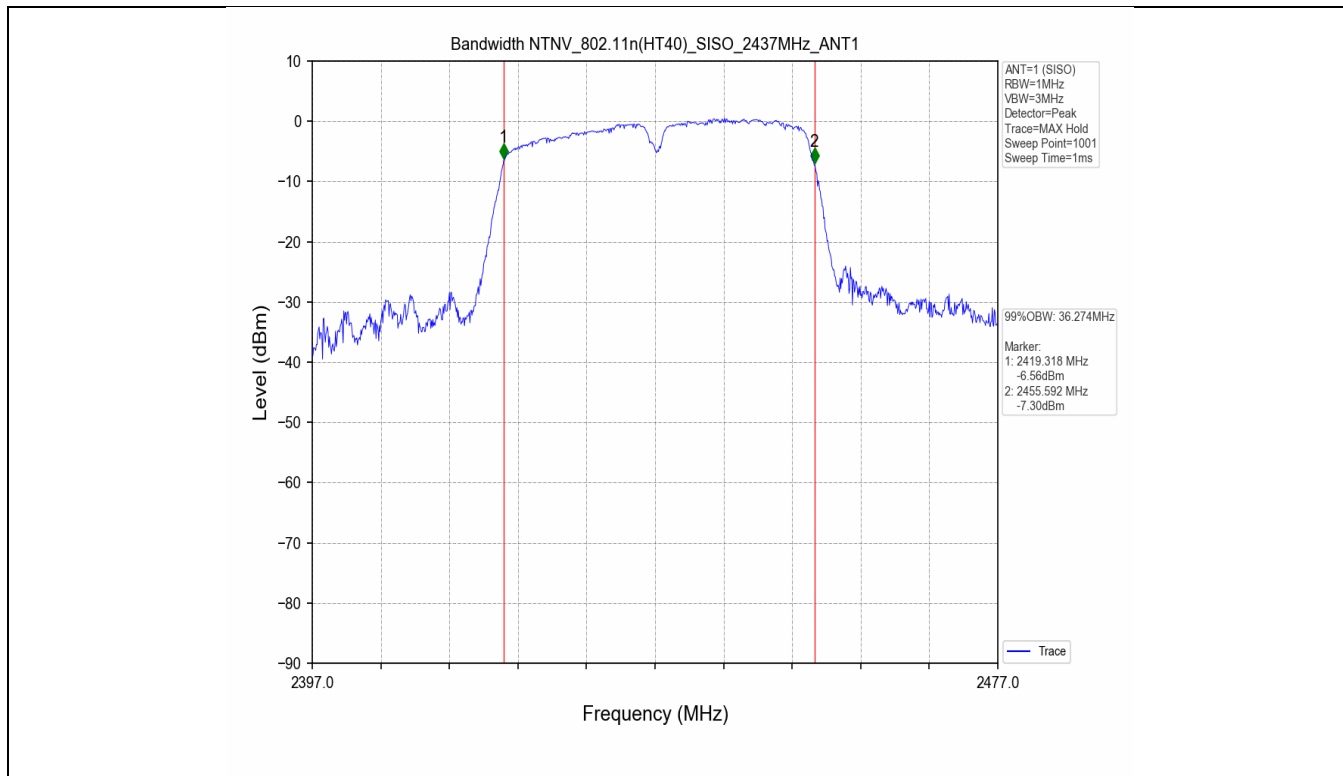
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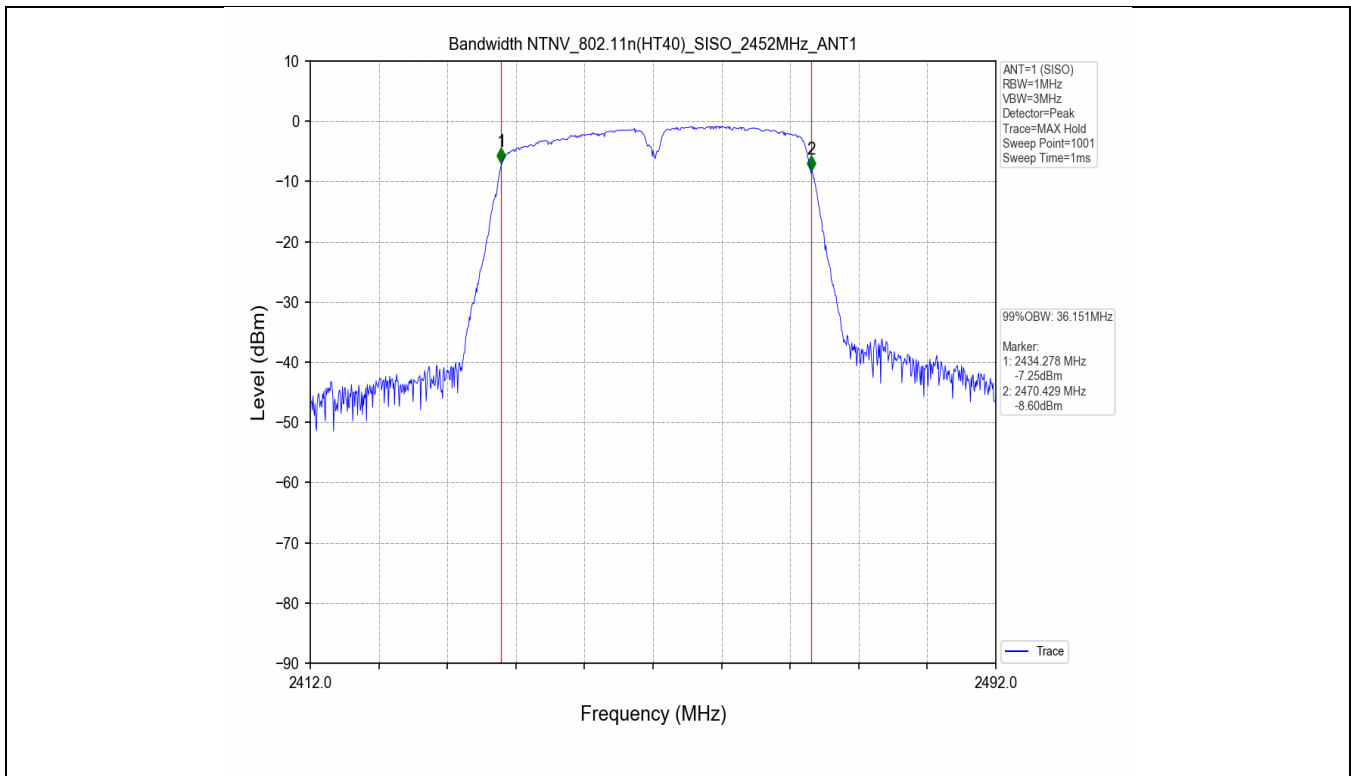
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3. Maximum Conducted Output Power

3.1 Test Result

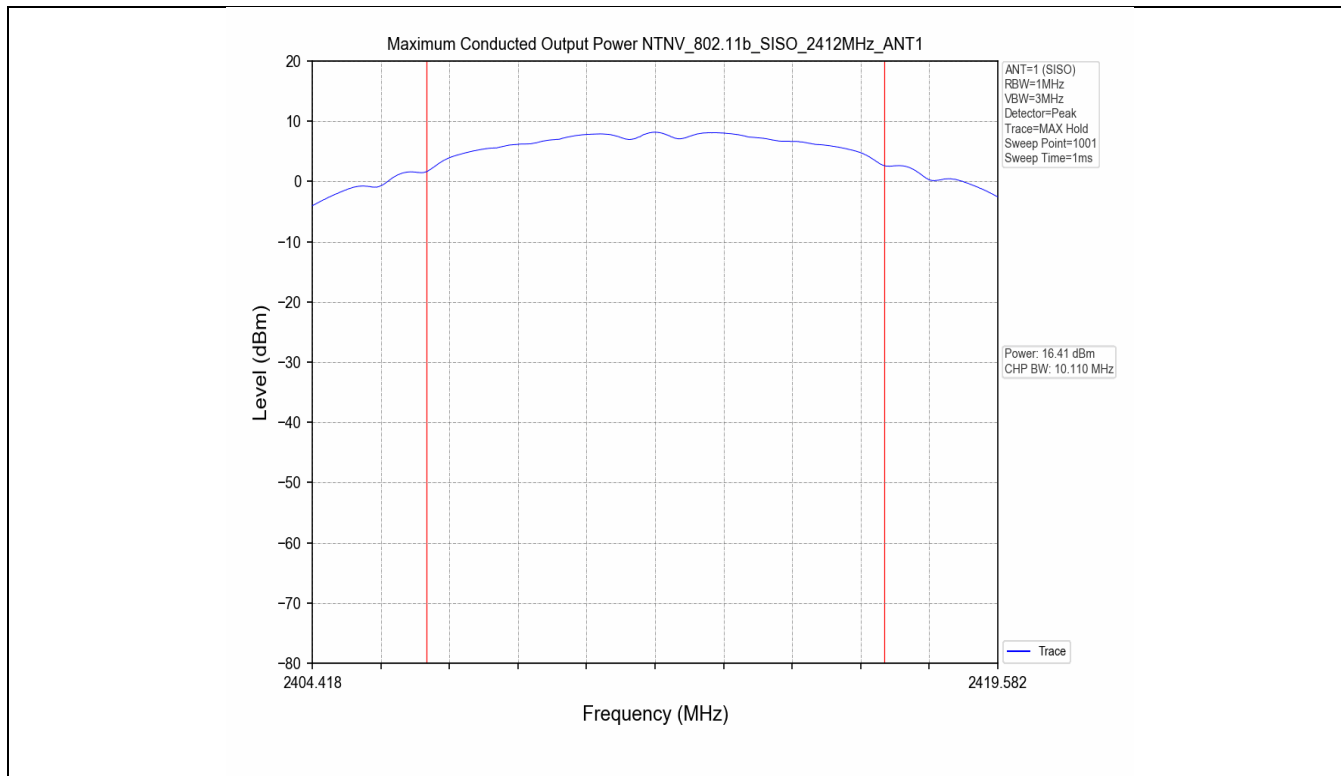
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	16.41	30	PASS
	2437	SISO	17.19	30	PASS
	2462	SISO	17.04	30	PASS
802.11g	2412	SISO	15.70	30	PASS
	2437	SISO	17.17	30	PASS
	2462	SISO	17.55	30	PASS
802.11n(HT20)	2412	SISO	15.75	30	PASS
	2437	SISO	17.18	30	PASS
	2462	SISO	17.11	30	PASS
802.11n(HT40)	2422	SISO	17.15	30	PASS
	2437	SISO	17.30	30	PASS
	2452	SISO	17.17	30	PASS

3.2 Test Graph



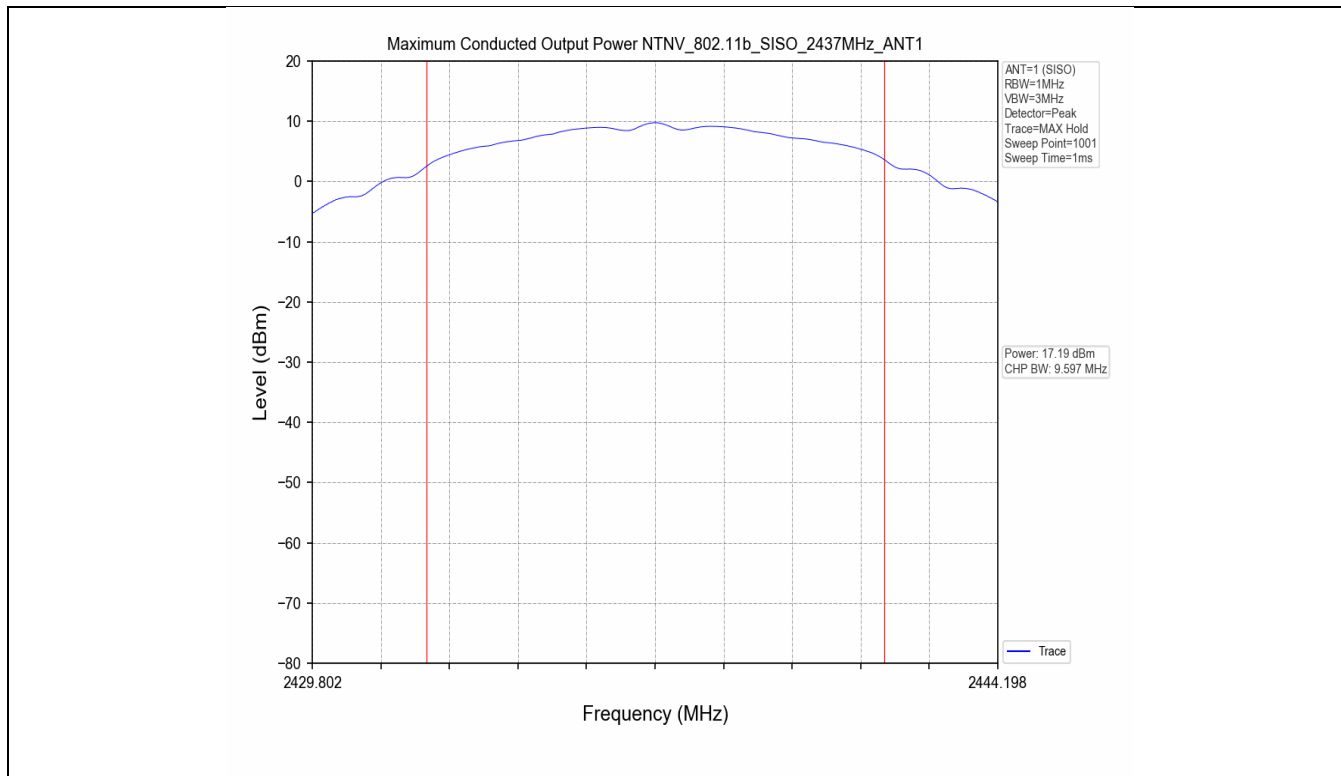
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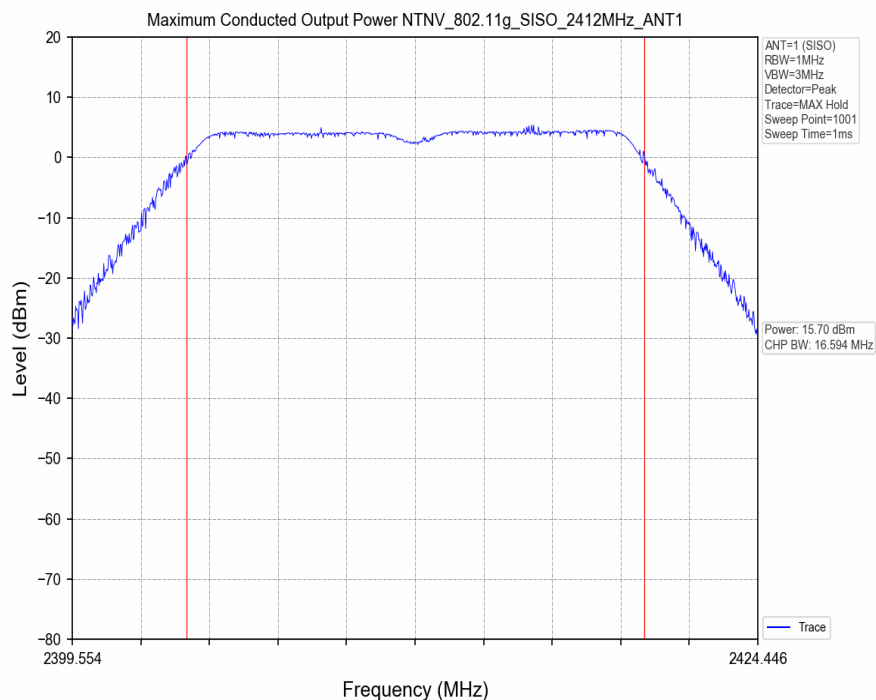
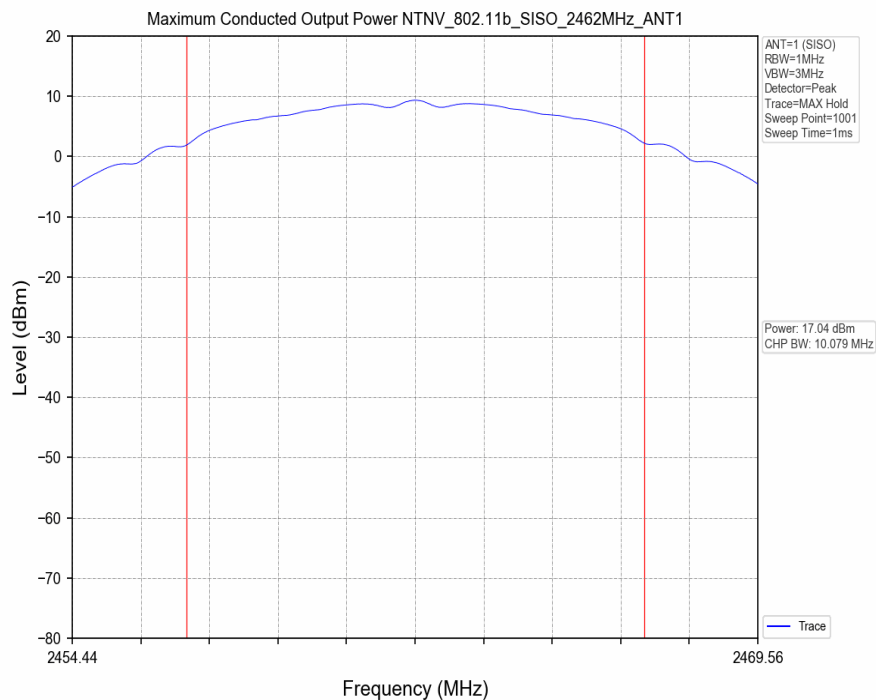
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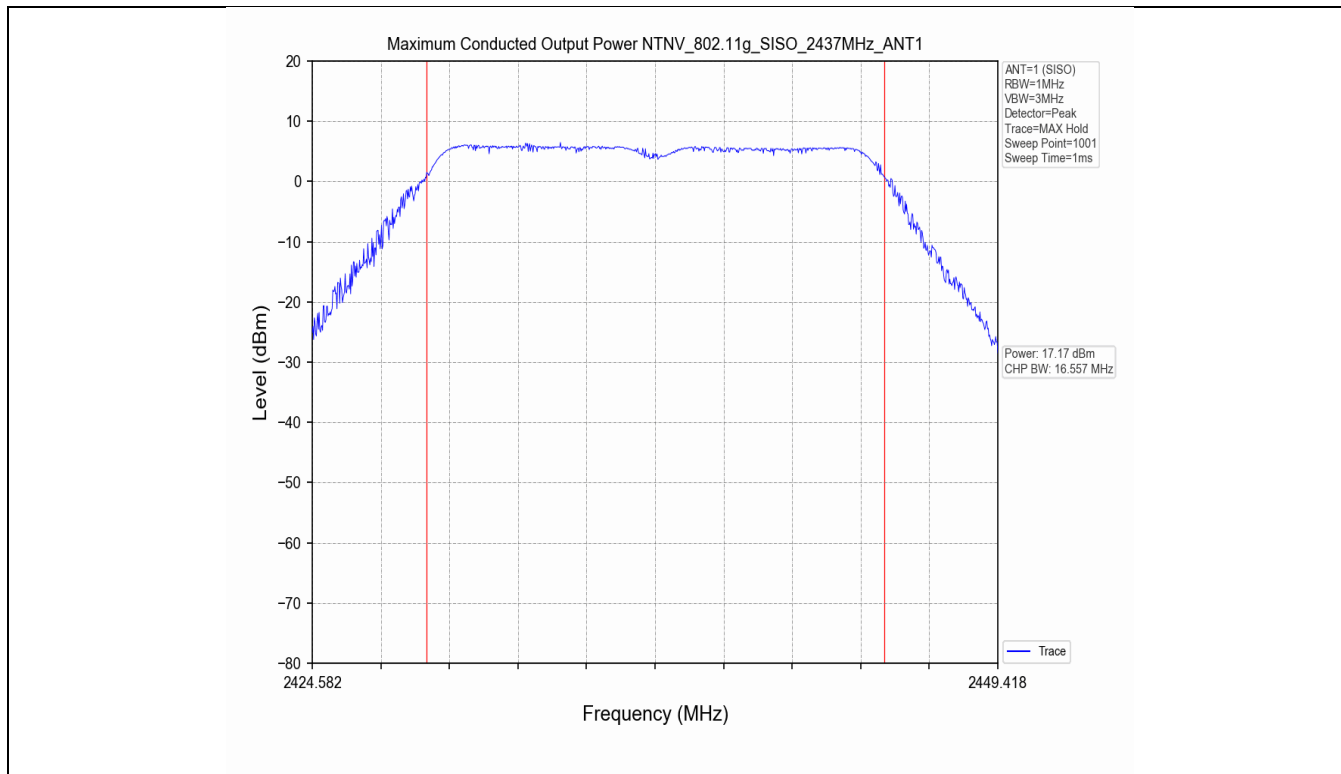
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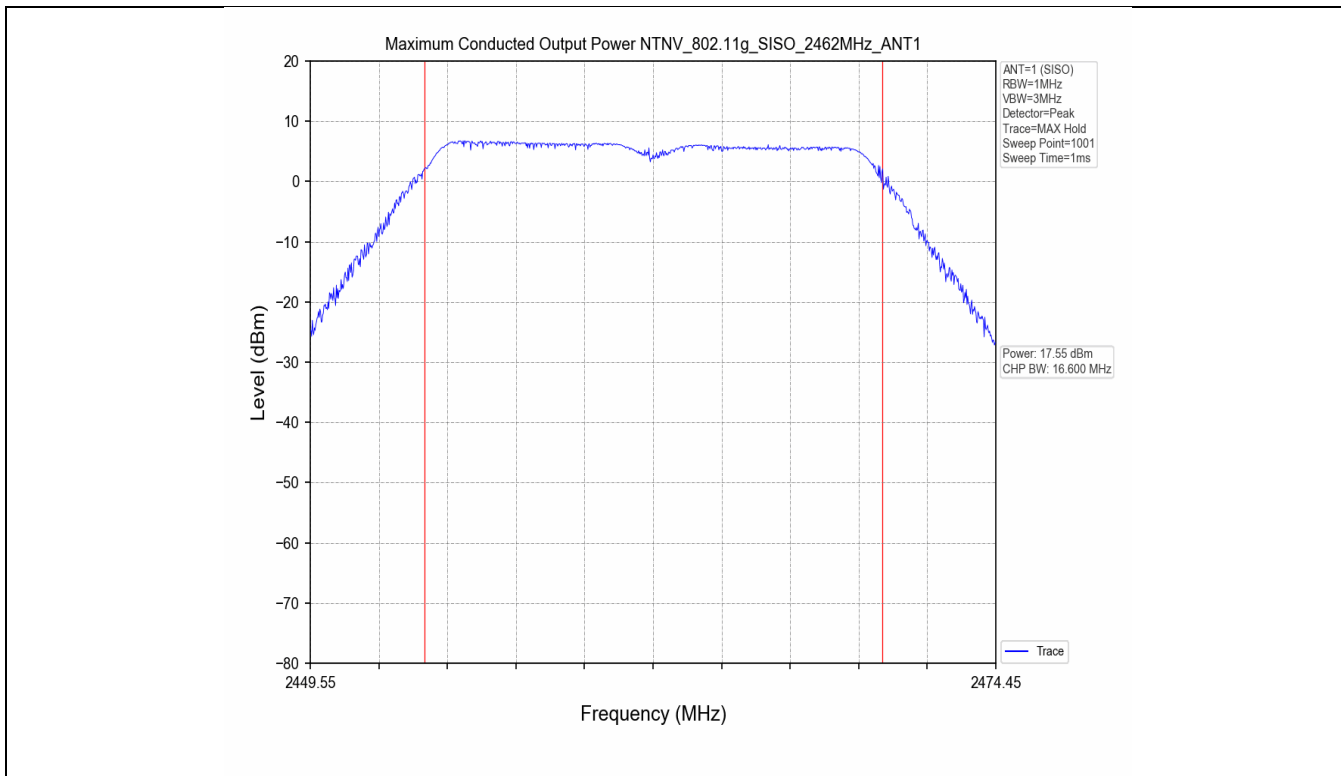
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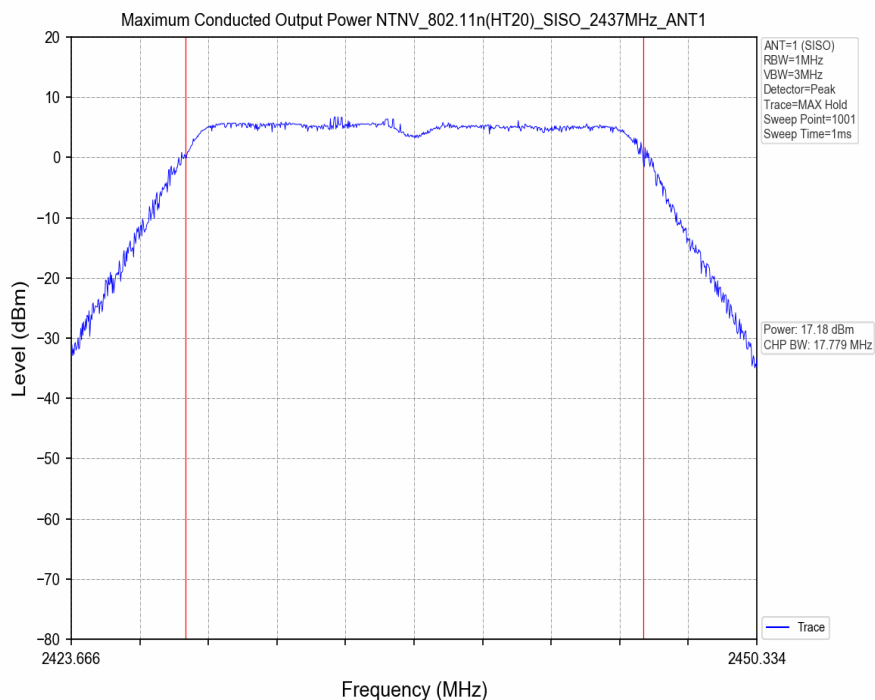
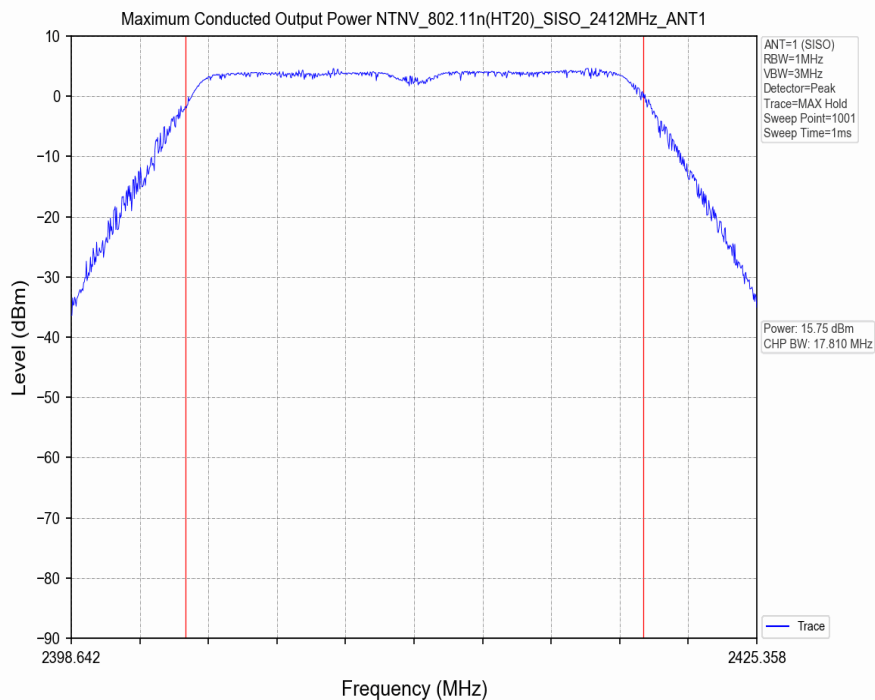
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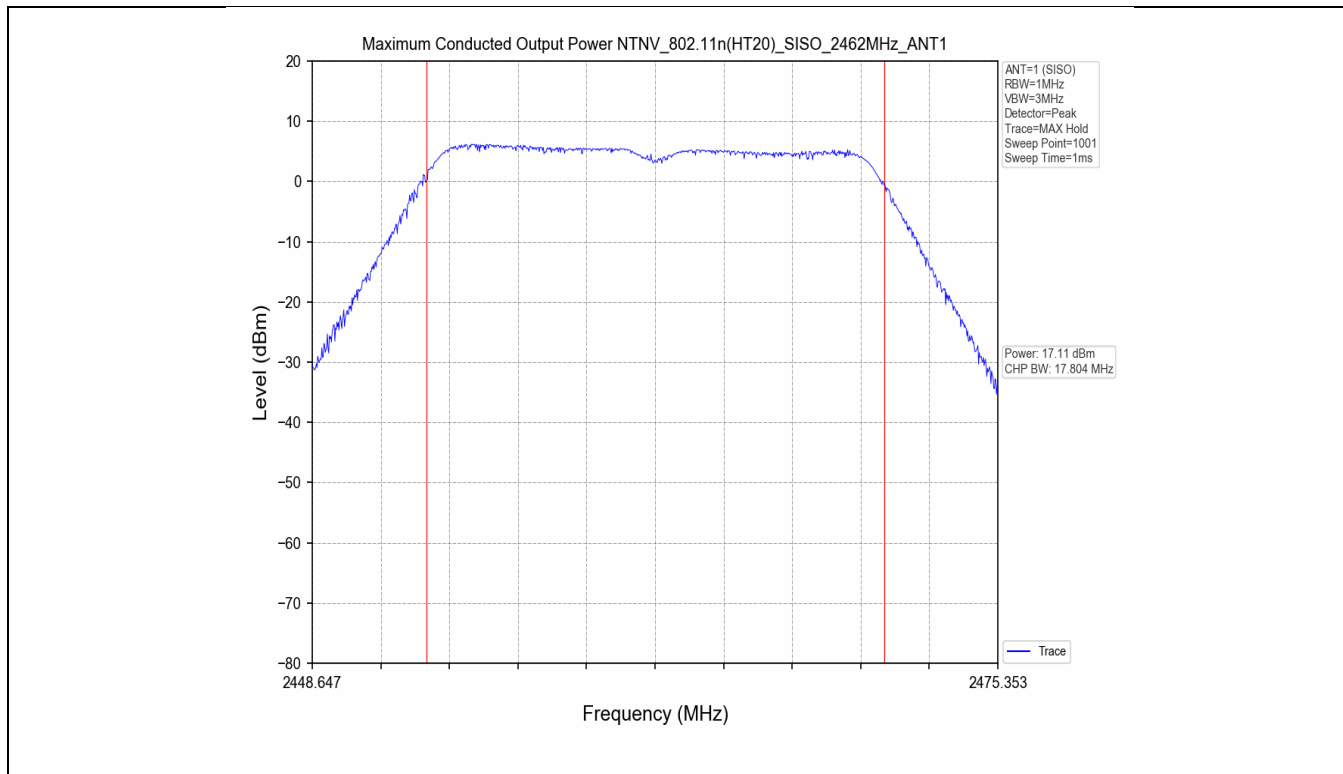
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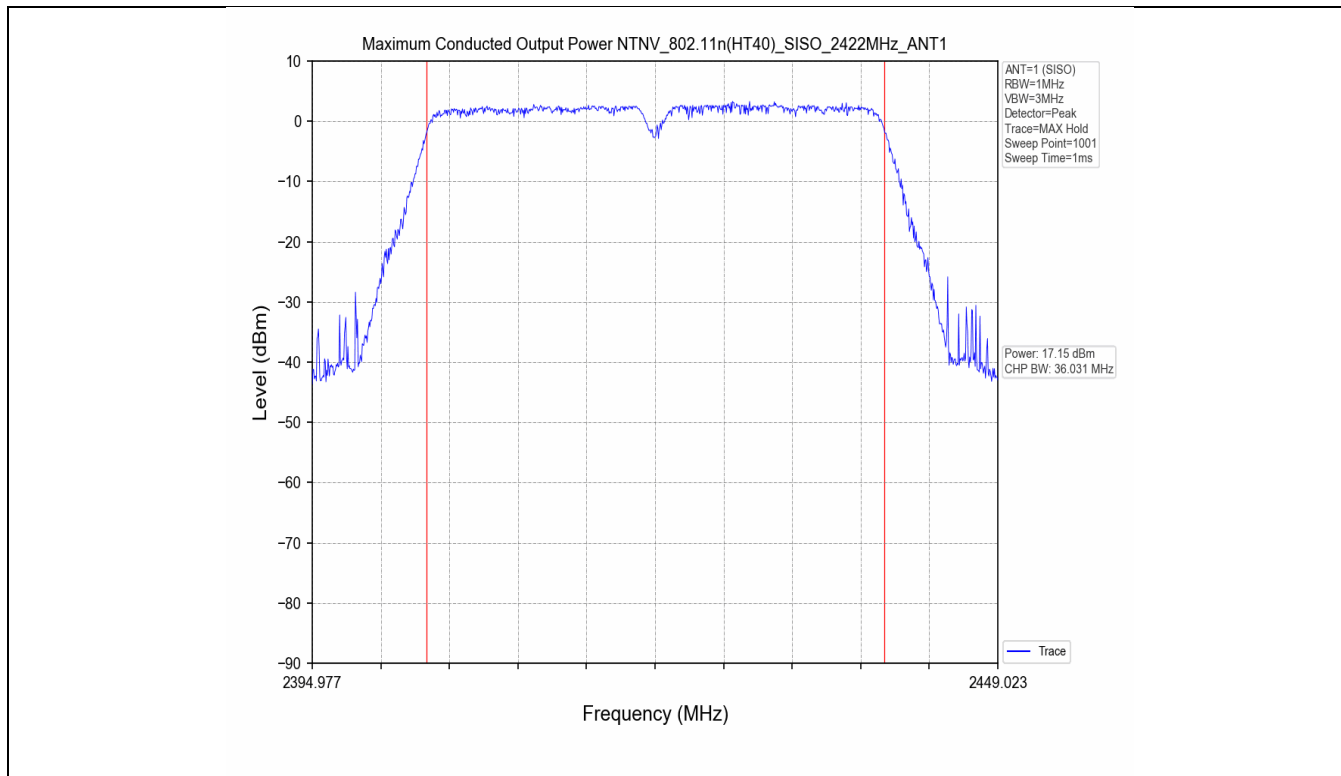
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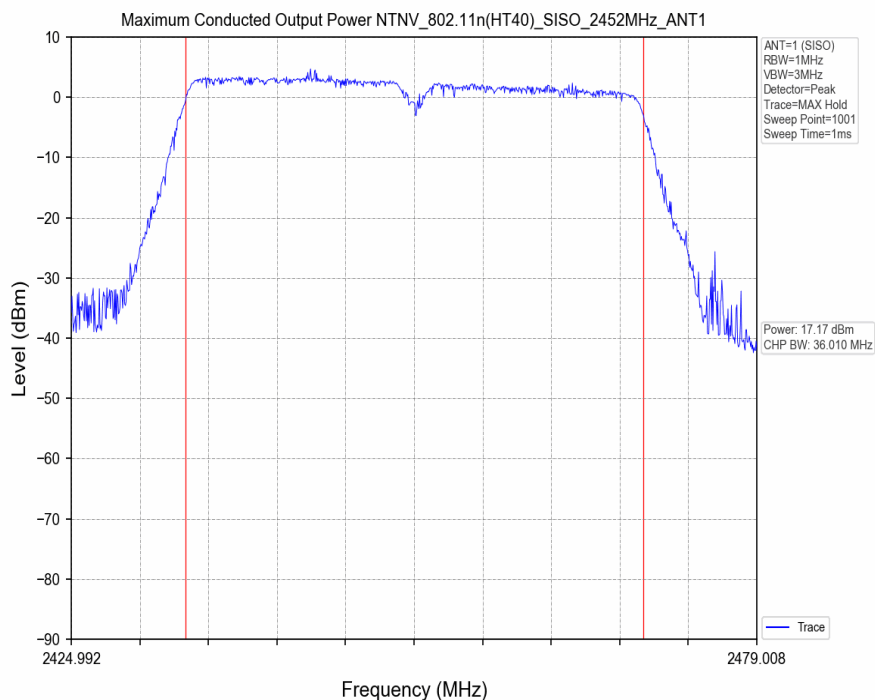
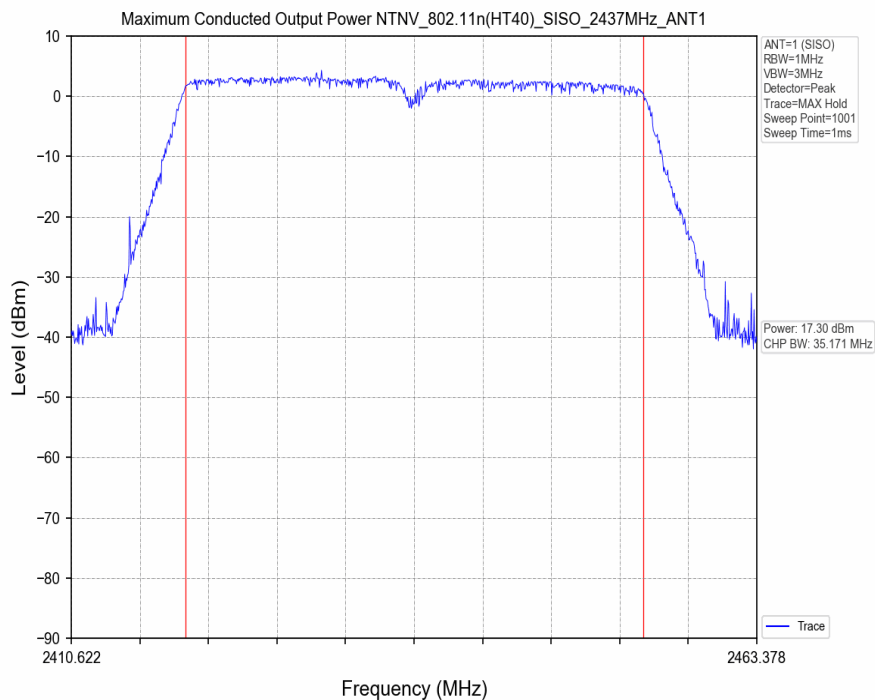
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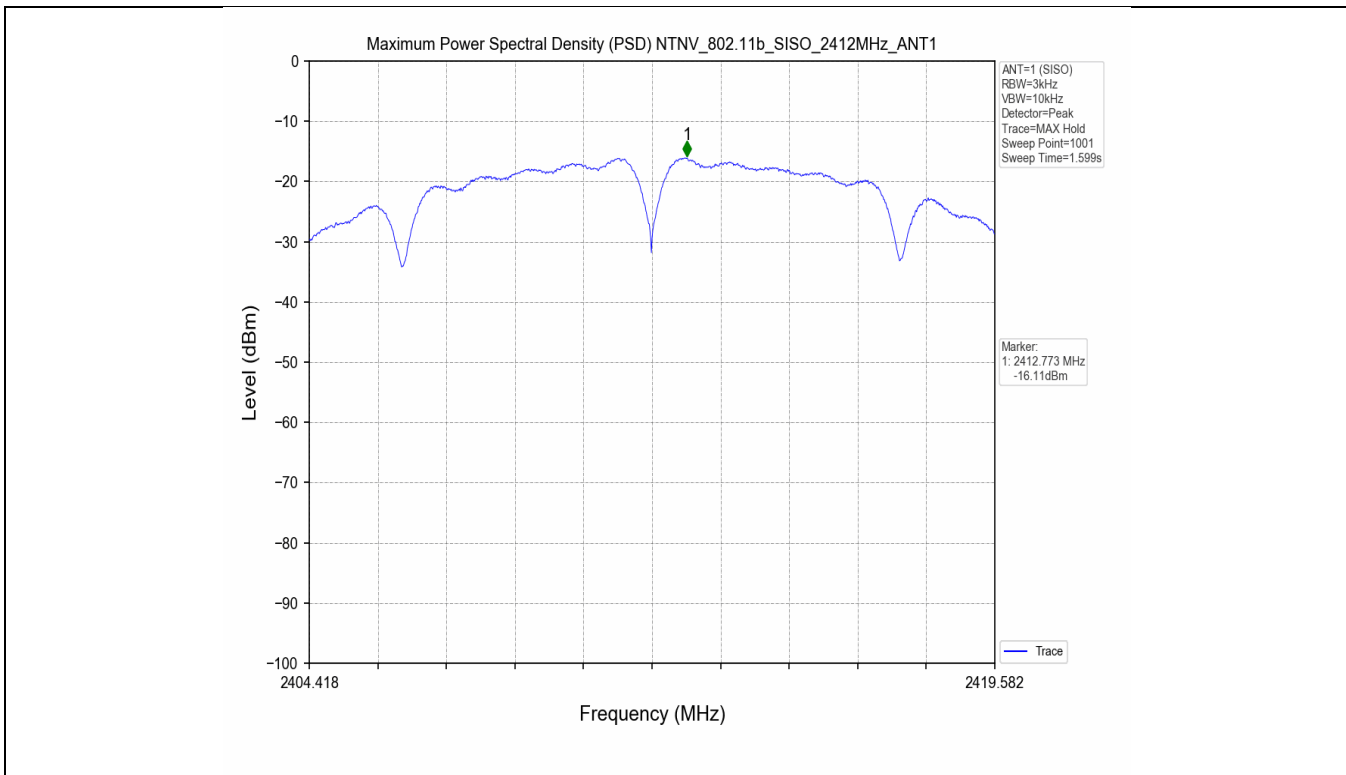
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4. Maximum Power Spectral Density (PSD)

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	-16.11	≤8	PASS
	2437	SISO	-14.91	≤8	PASS
	2462	SISO	-15.34	≤8	PASS
802.11g	2412	SISO	-17.61	≤8	PASS
	2437	SISO	-15.89	≤8	PASS
	2462	SISO	-14.86	≤8	PASS
802.11n(HT20)	2412	SISO	-17.06	≤8	PASS
	2437	SISO	-15.61	≤8	PASS
	2462	SISO	-16.08	≤8	PASS
802.11n(HT40)	2422	SISO	-17.55	≤8	PASS
	2437	SISO	-17.75	≤8	PASS
	2452	SISO	-18.47	≤8	PASS

4.2 Test Graph



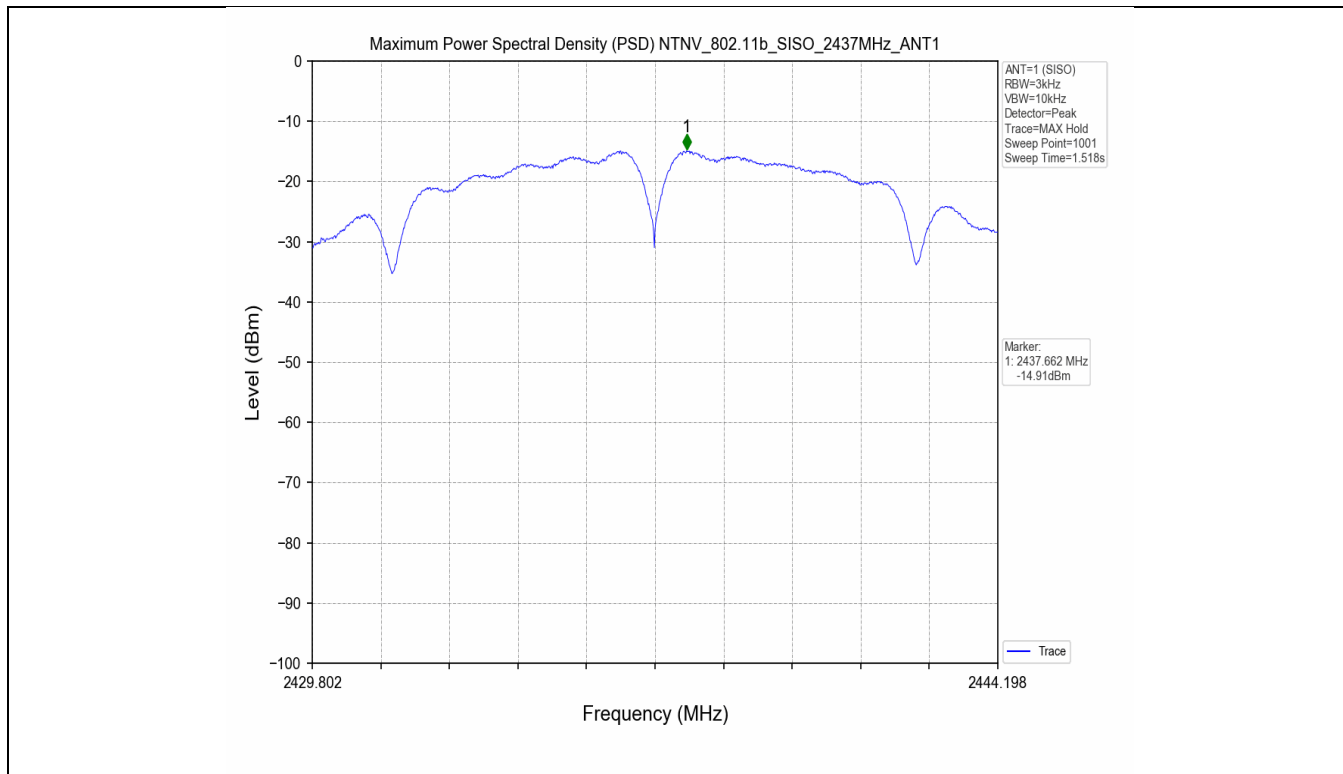
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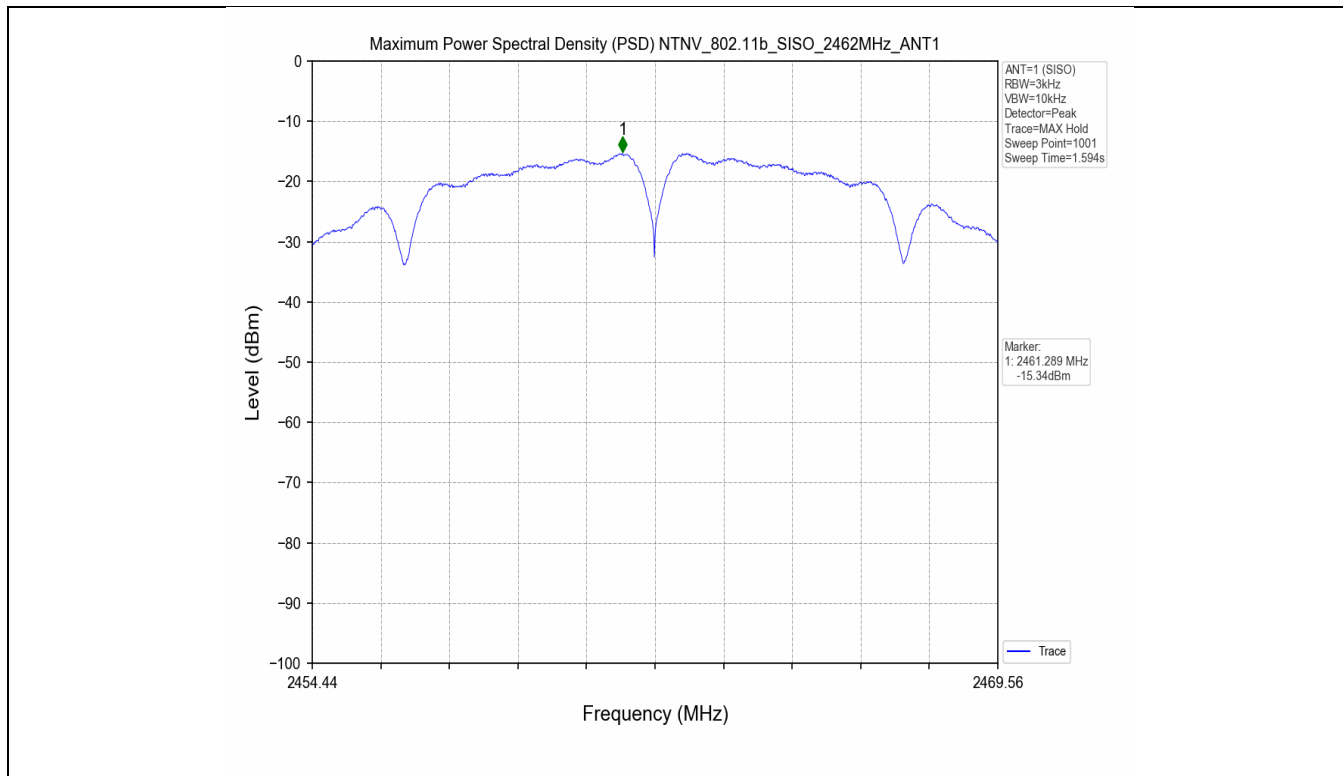
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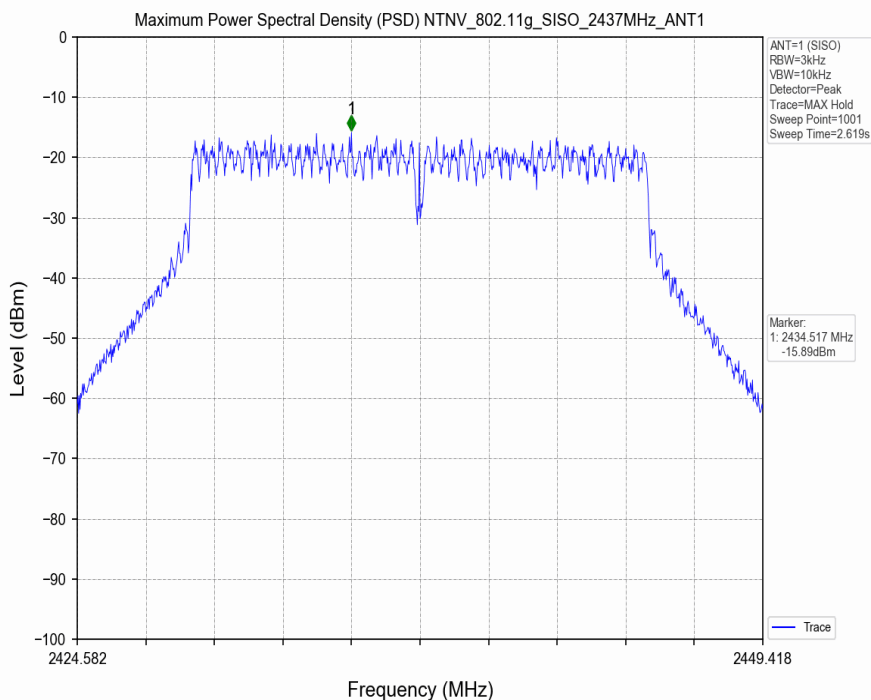
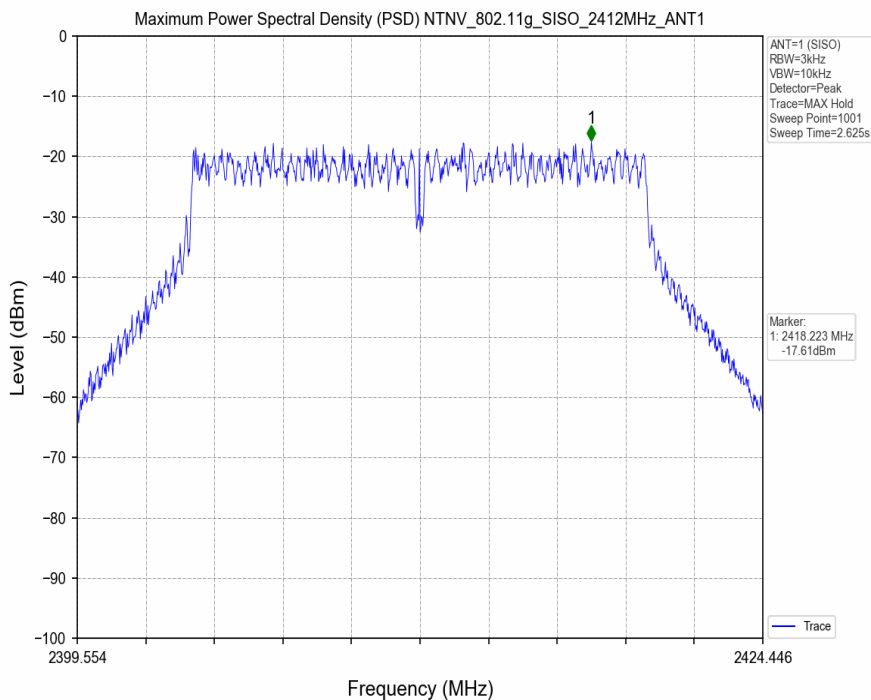
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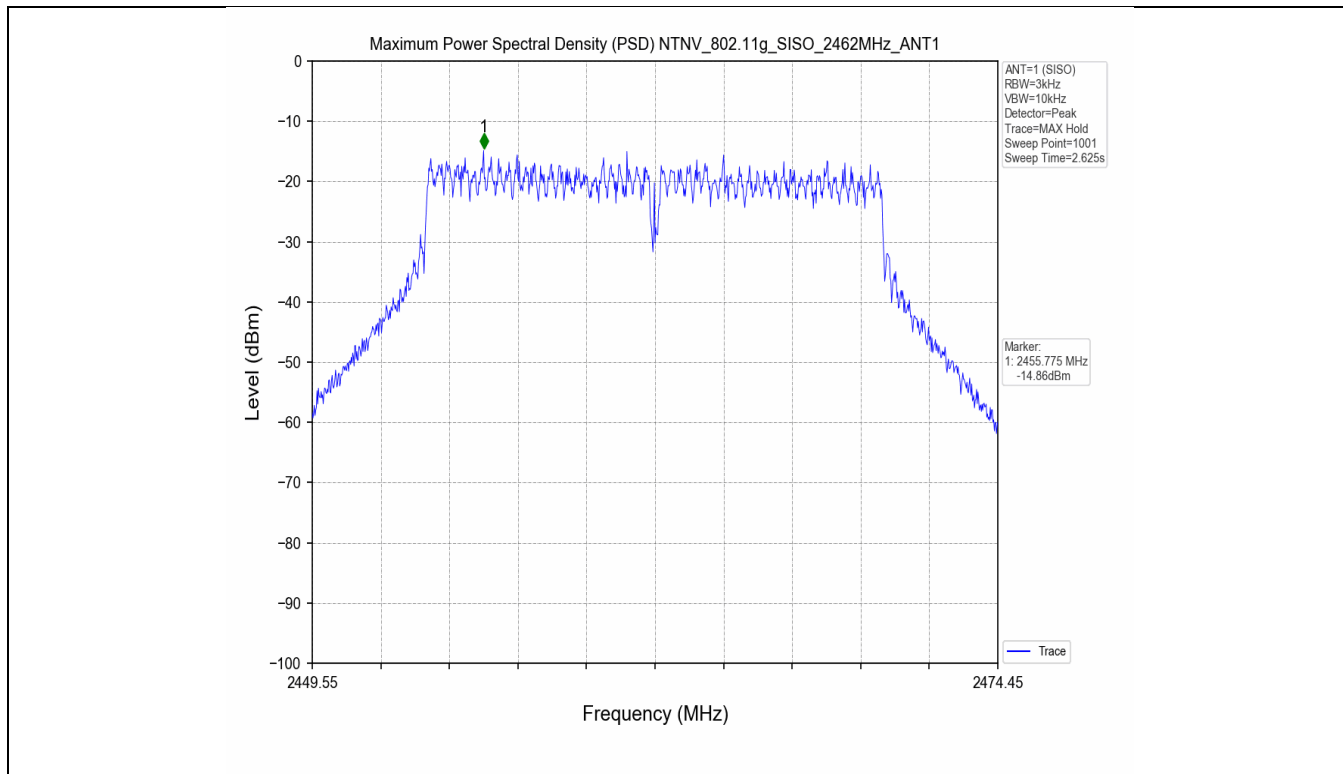
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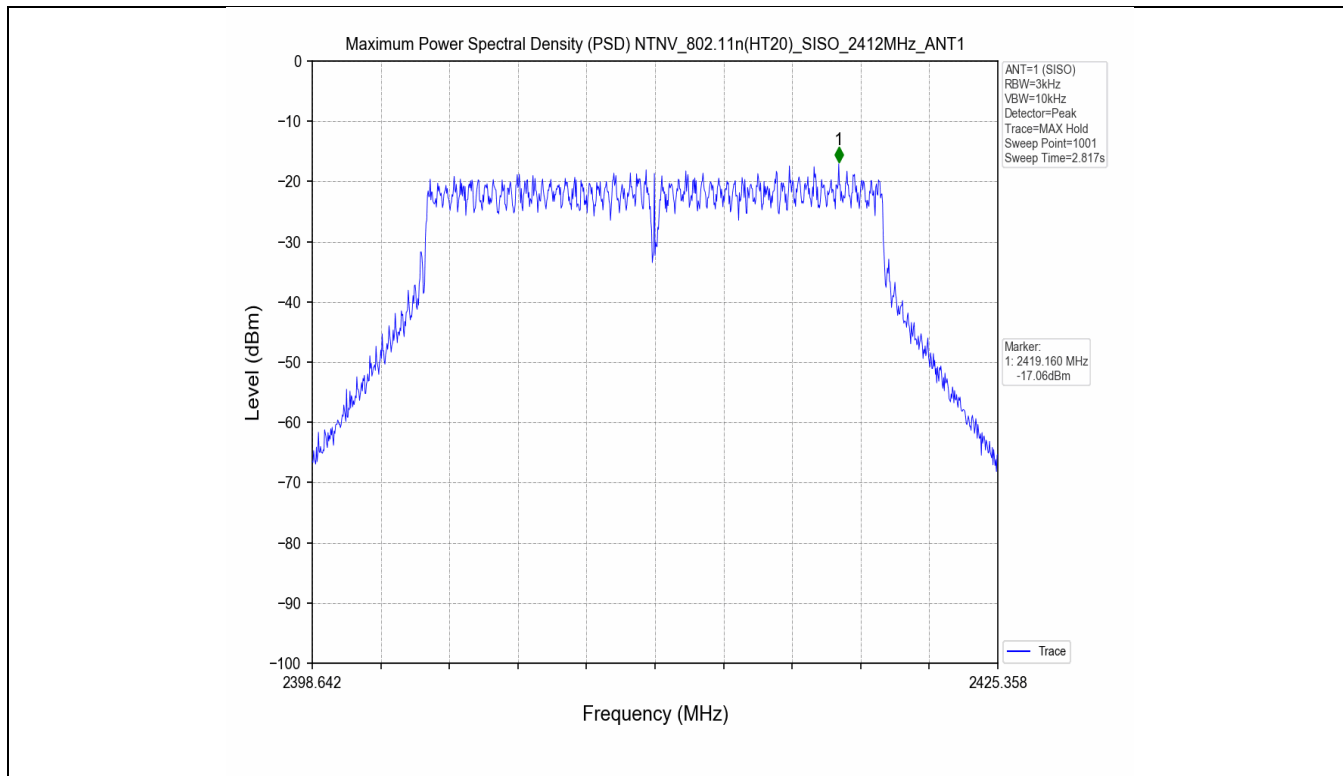
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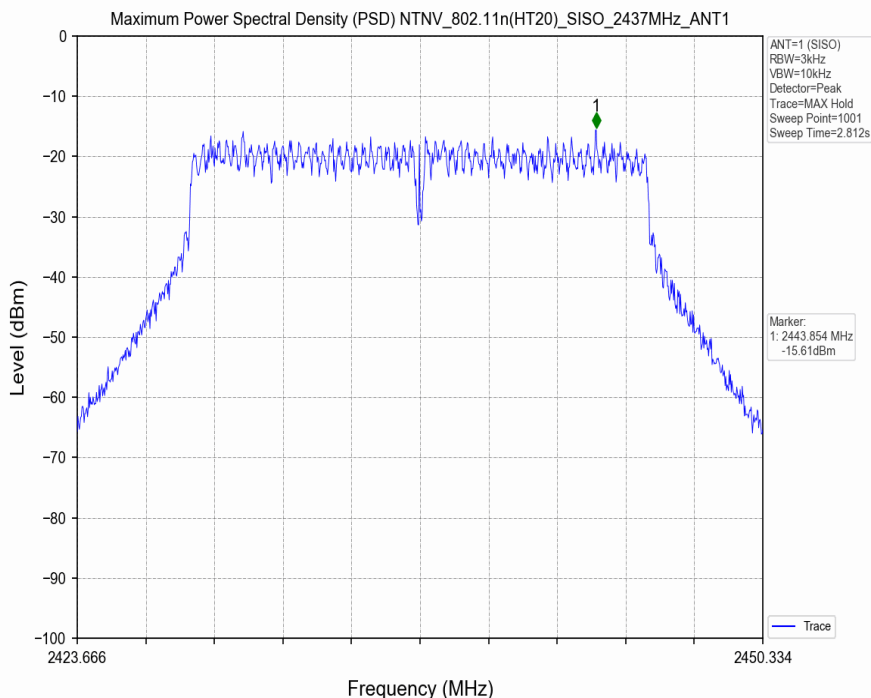
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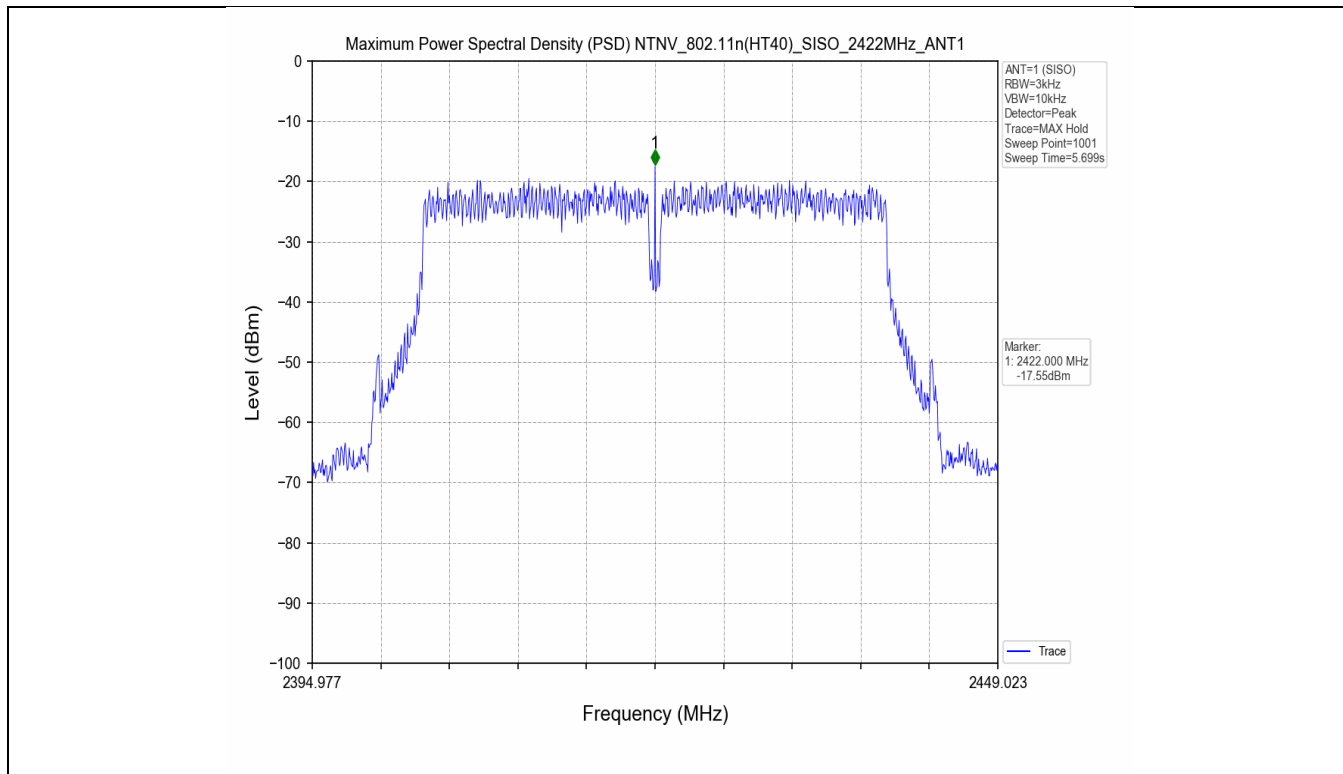
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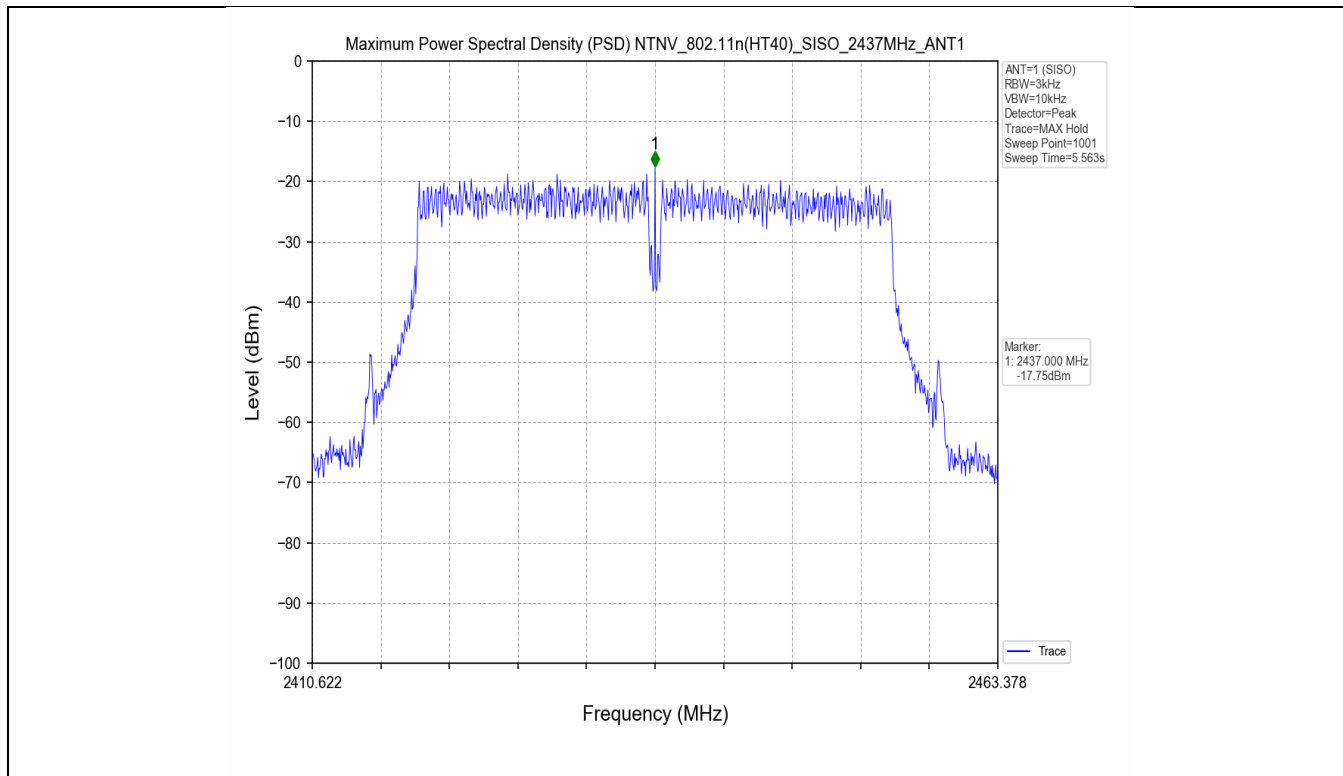
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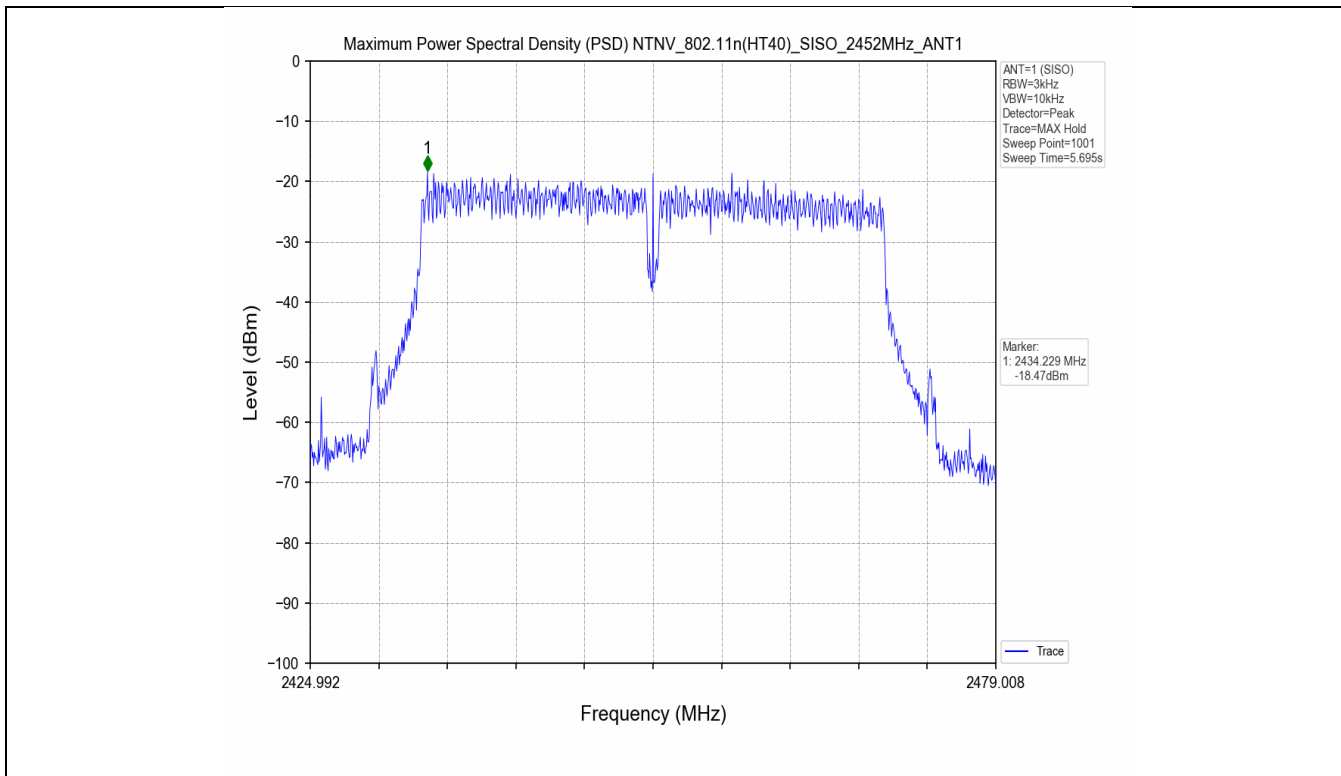
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5. Unwanted Emissions in Non-restricted Frequency Bands

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	-14.30	PASS
	2437	SISO	1	Refer to test graph	-14.30	PASS
	2462	SISO	1	Refer to test graph	-14.30	PASS
802.11g	2412	SISO	1	Refer to test graph	-27.10	PASS
	2437	SISO	1	Refer to test graph	-27.10	PASS
	2462	SISO	1	Refer to test graph	-27.10	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-27.52	PASS
	2437	SISO	1	Refer to test graph	-27.52	PASS
	2462	SISO	1	Refer to test graph	-27.52	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-30.45	PASS
	2437	SISO	1	Refer to test graph	-30.45	PASS
	2452	SISO	1	Refer to test graph	-30.45	PASS

5.2 Test Graph

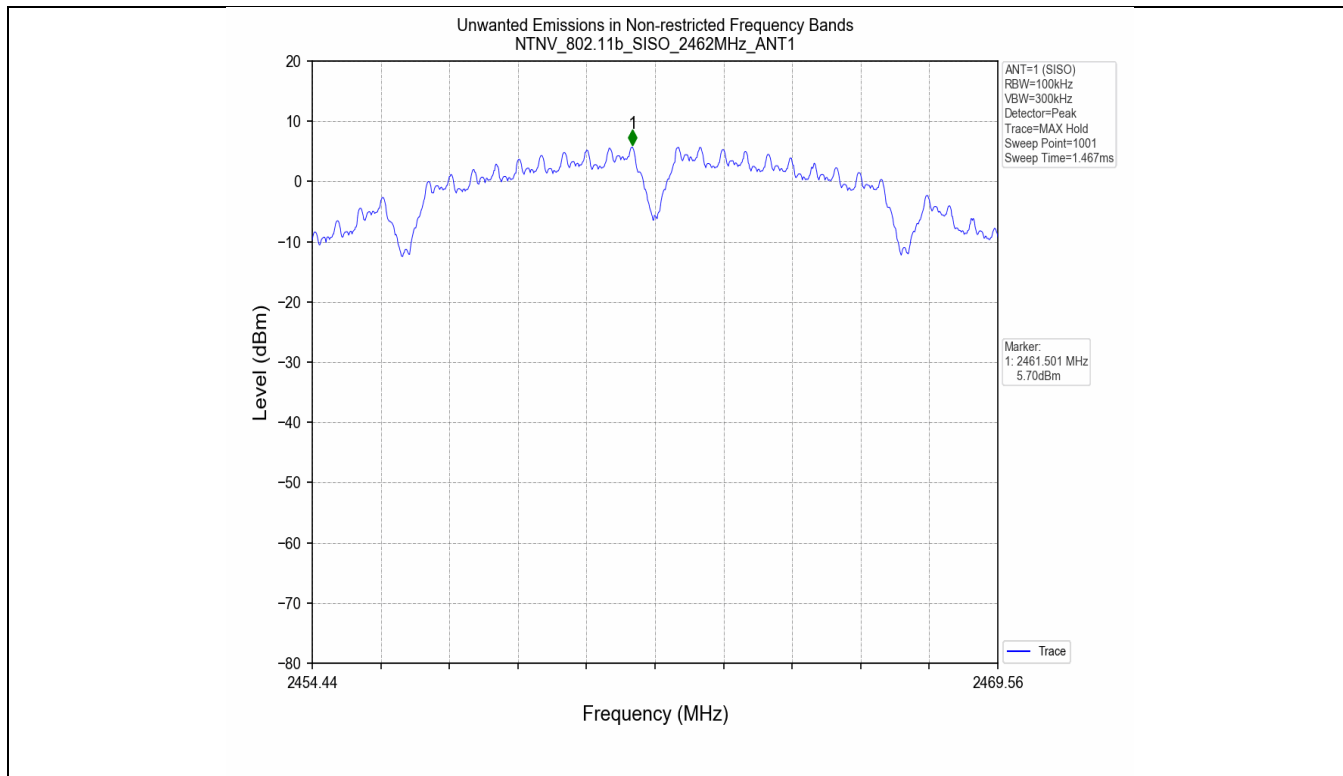


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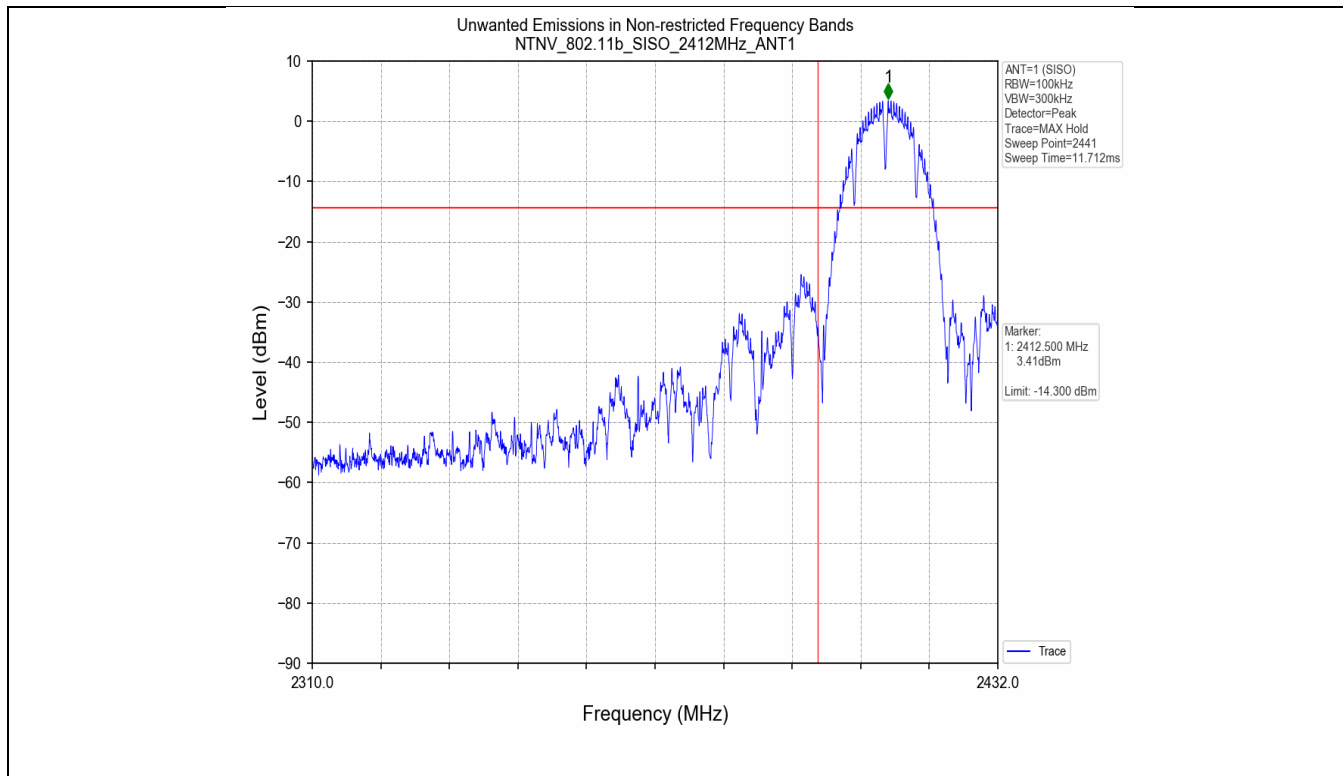
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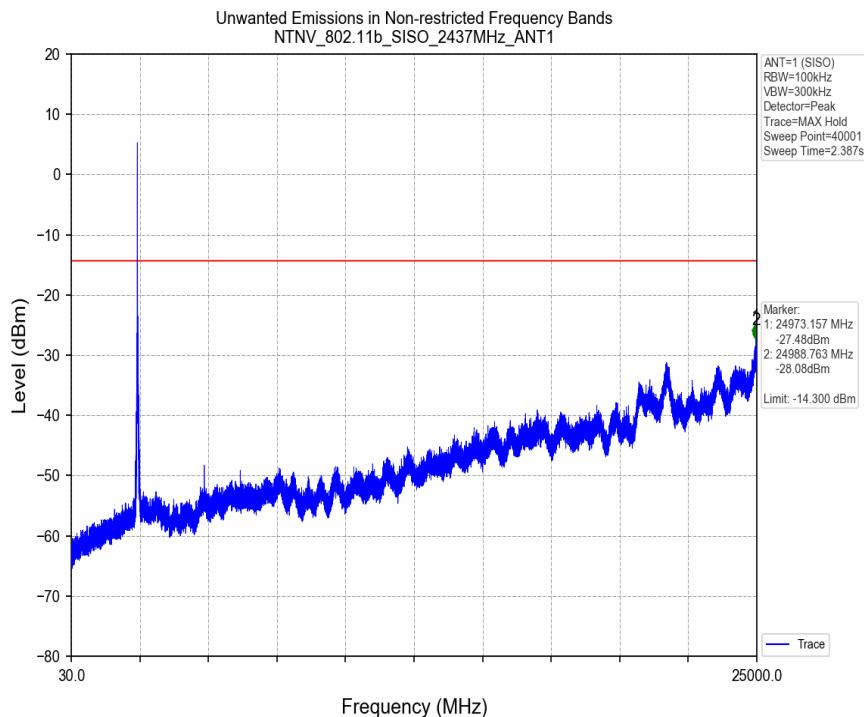
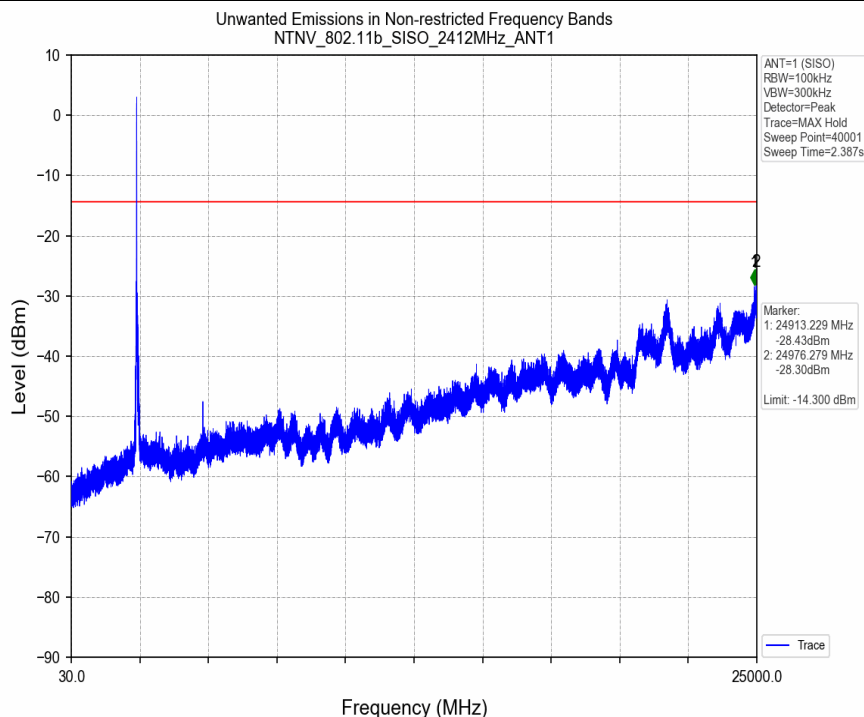
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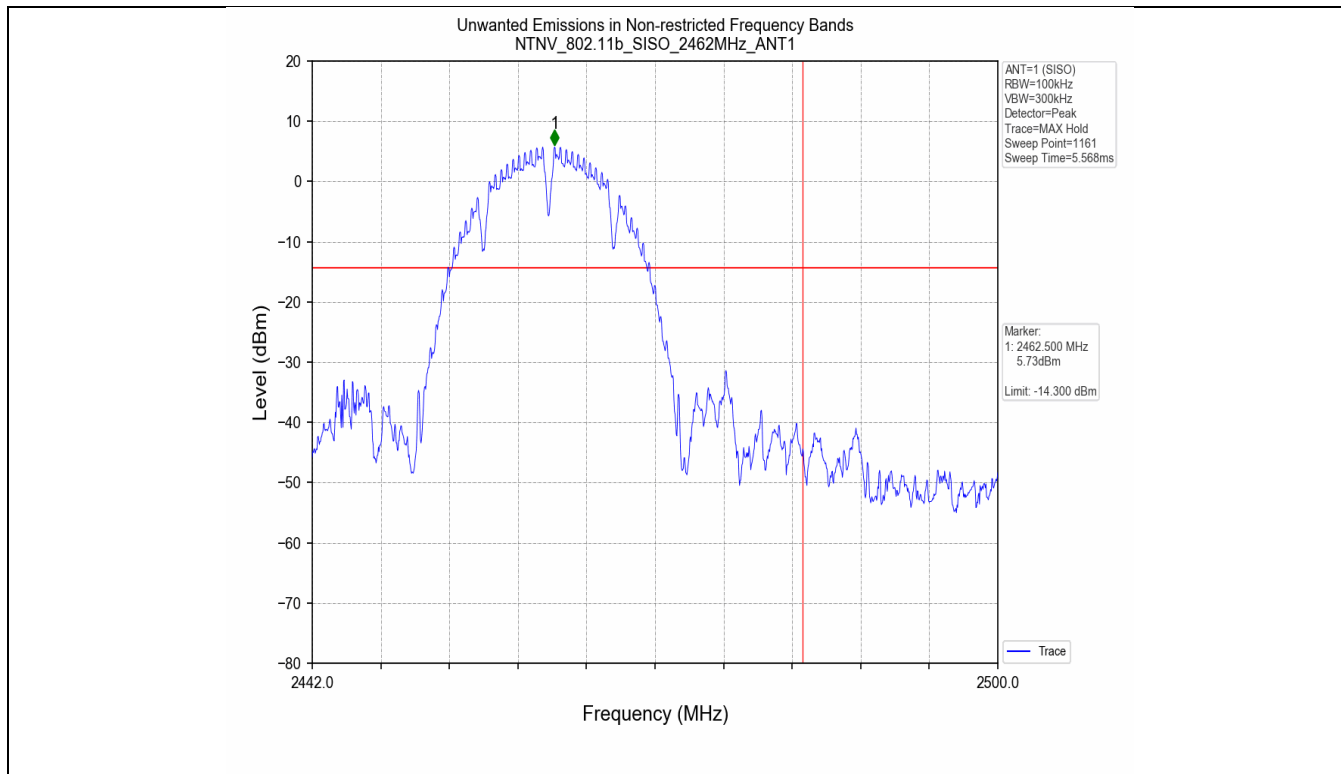


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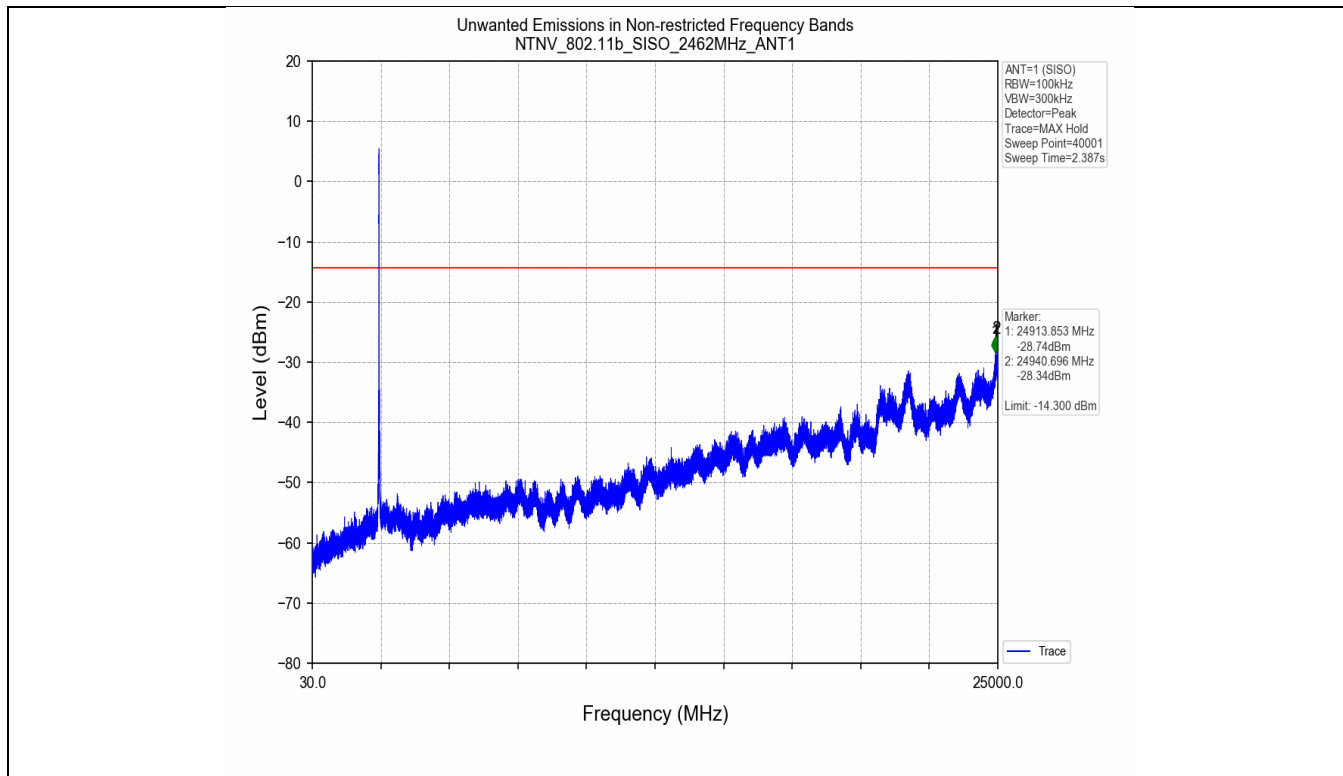
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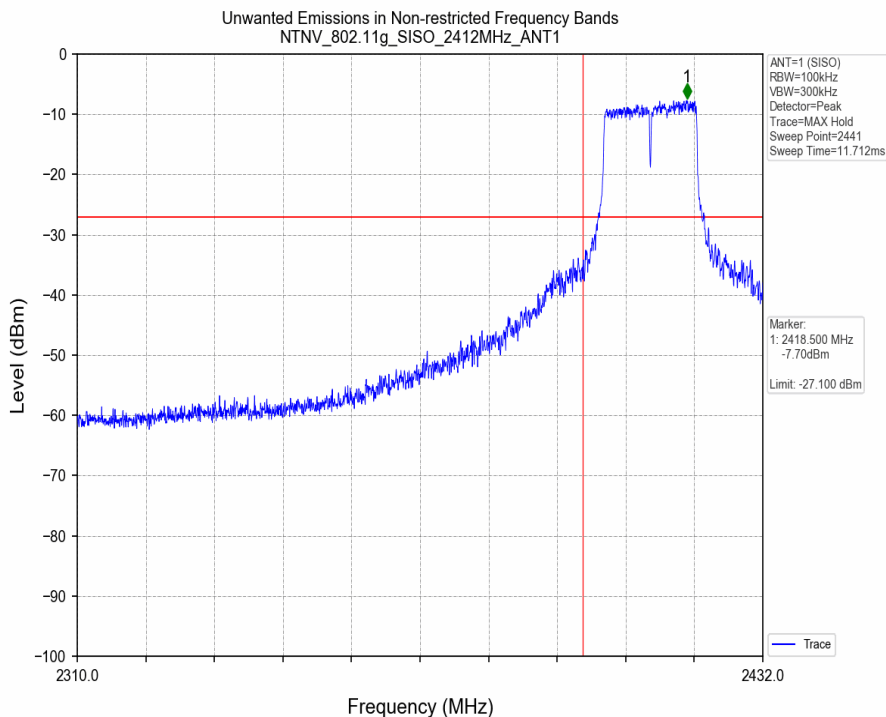
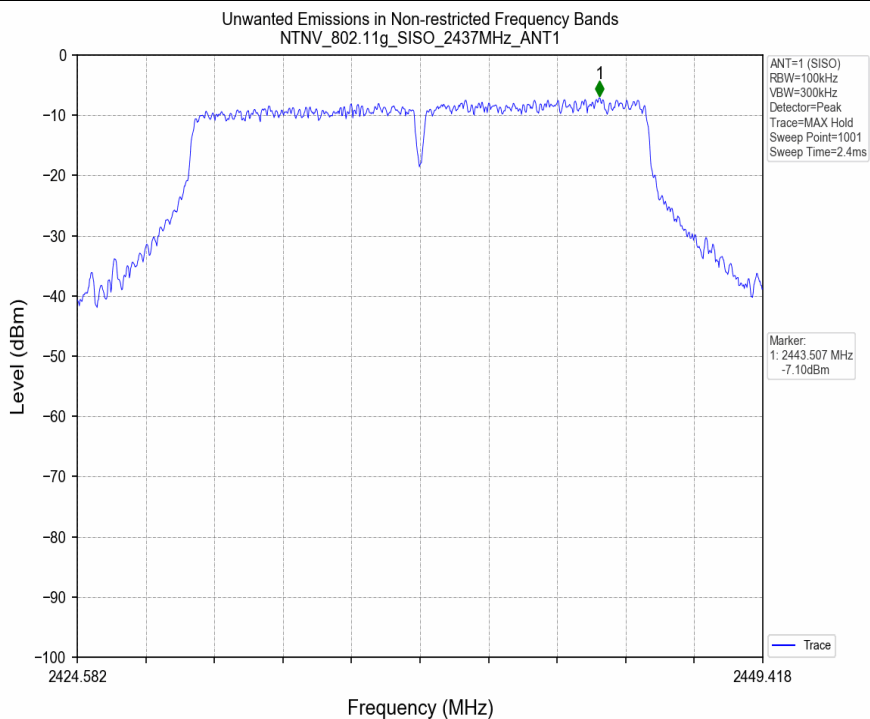
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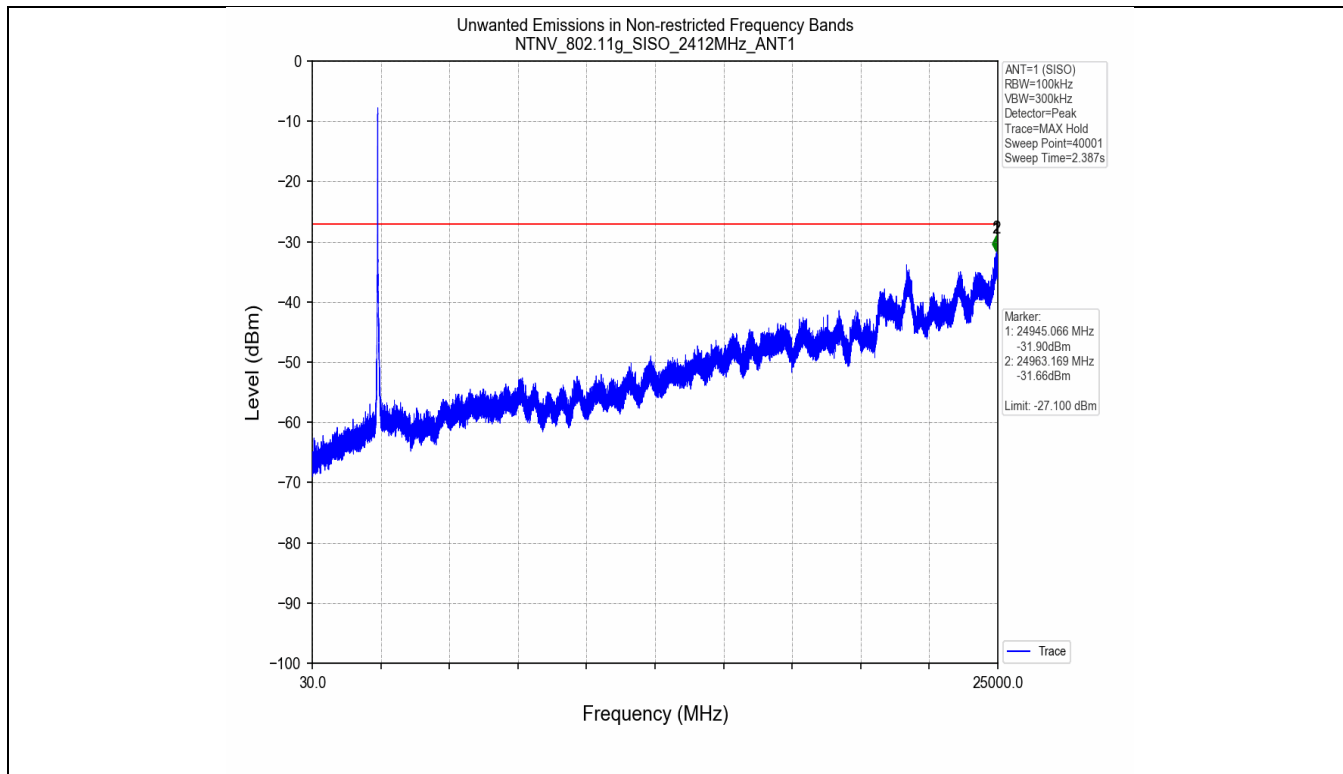
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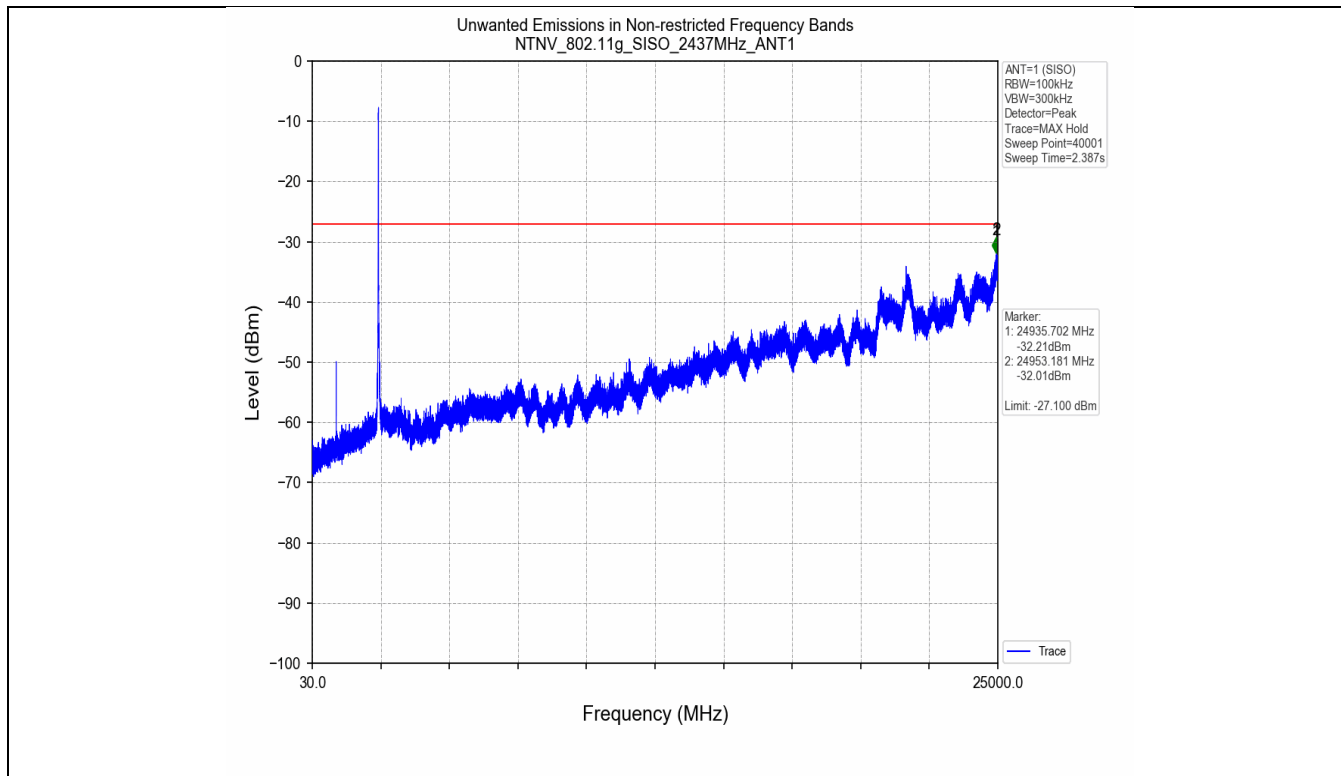
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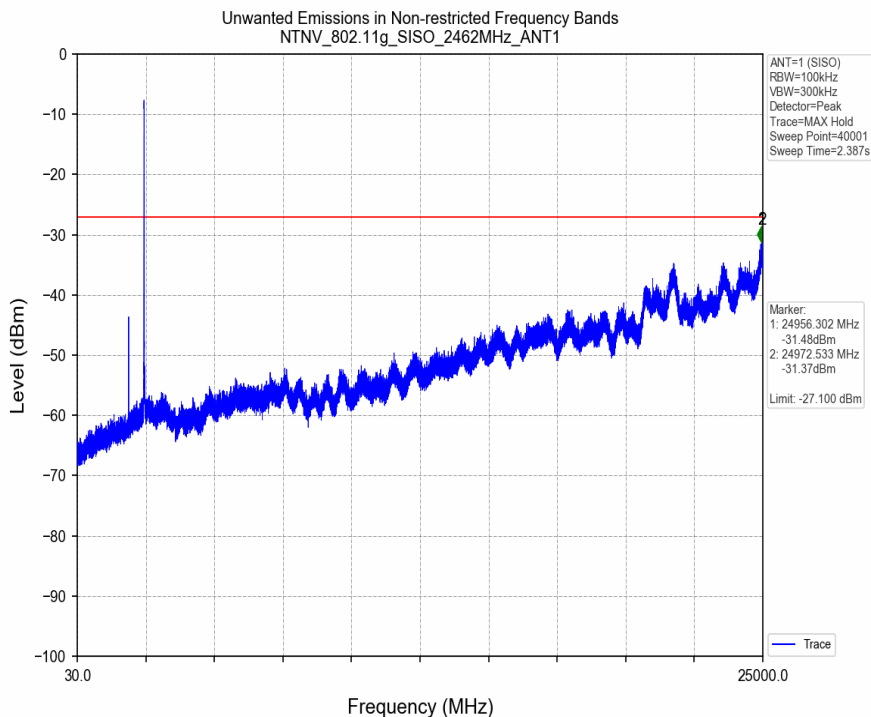
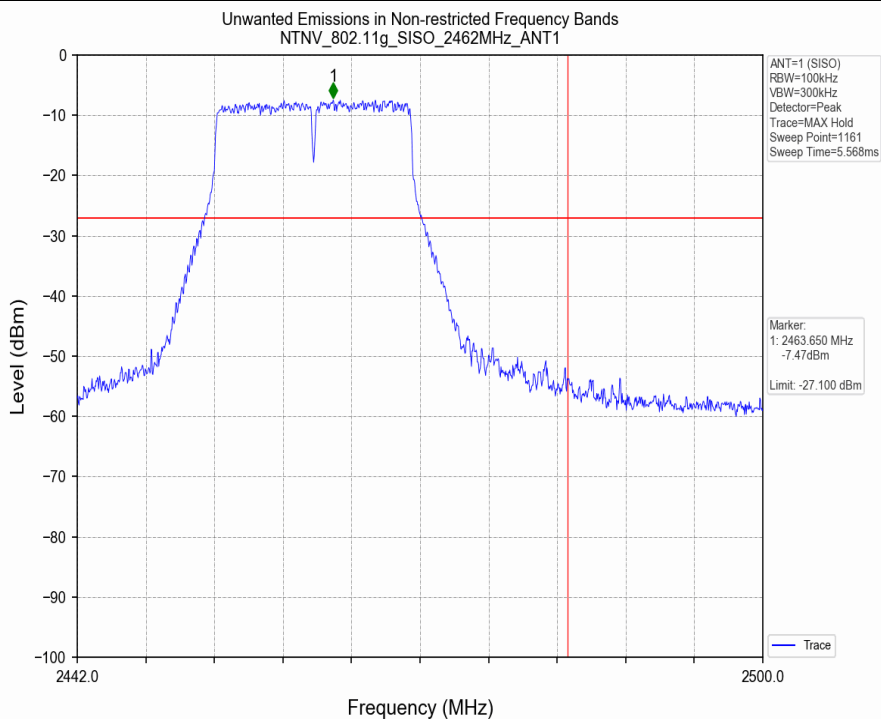
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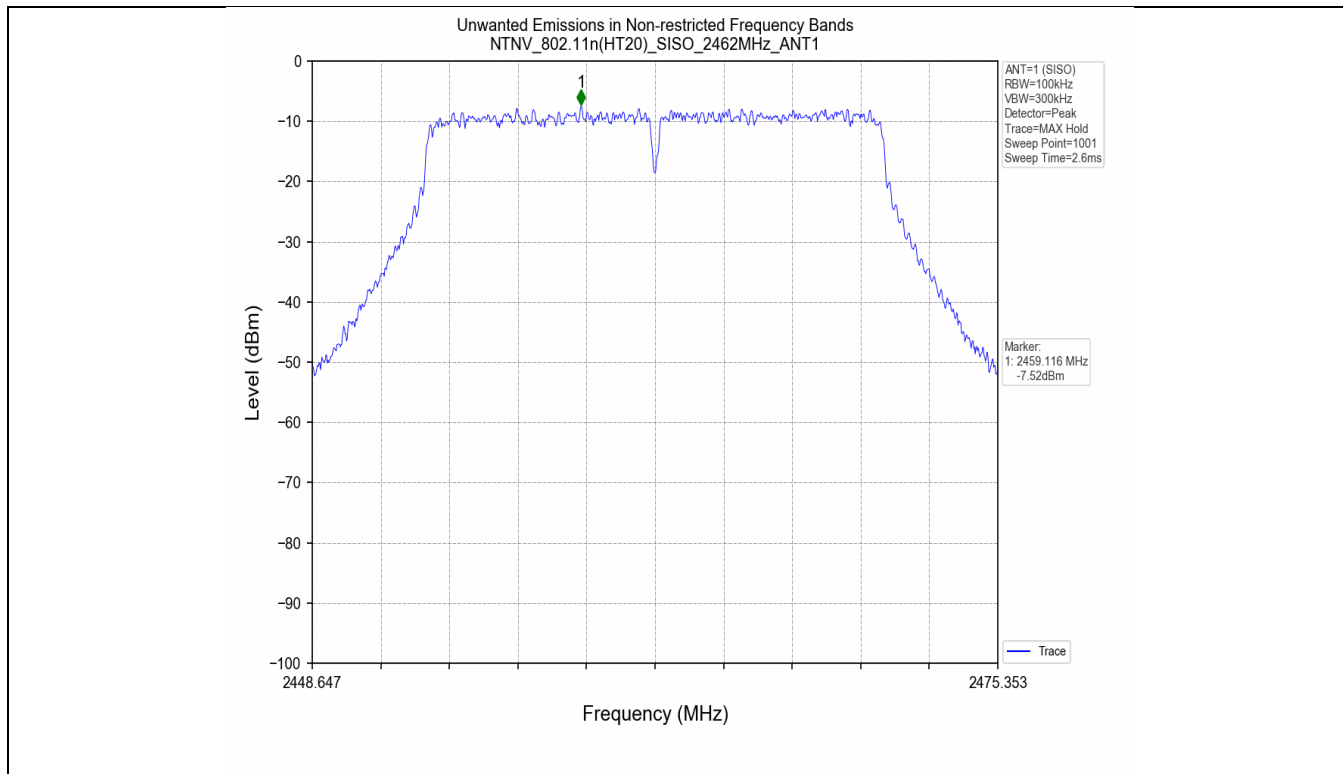
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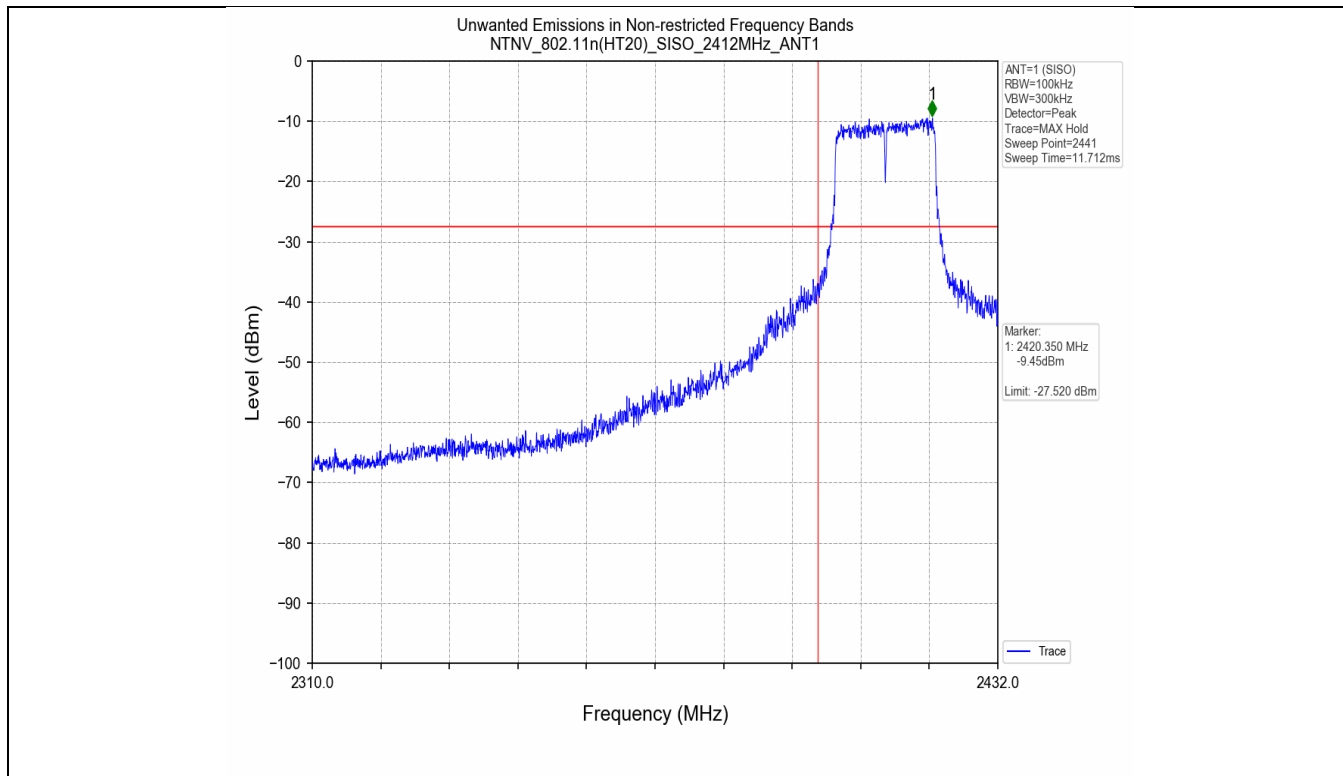
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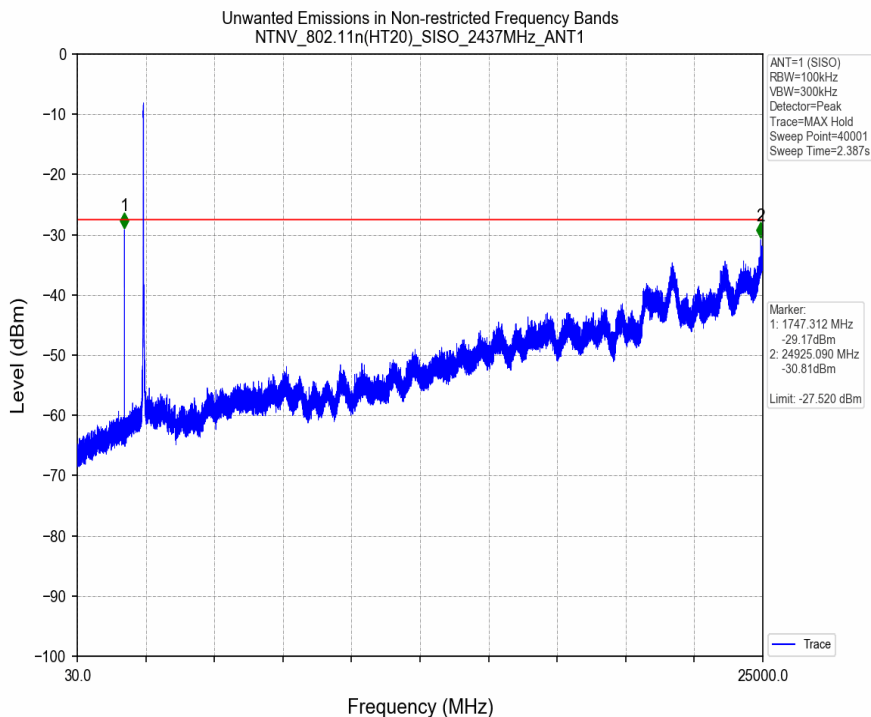
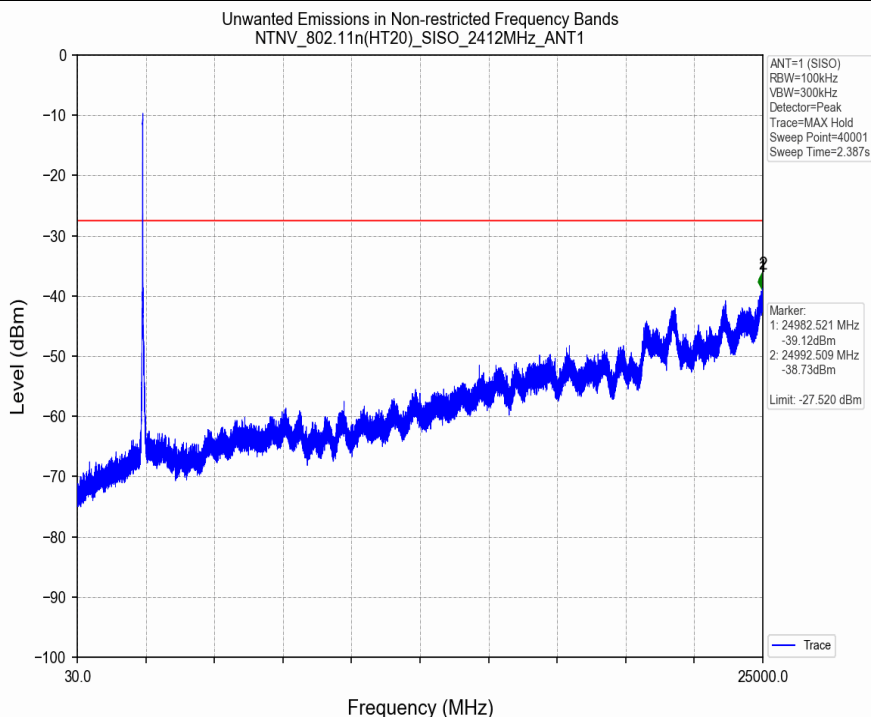
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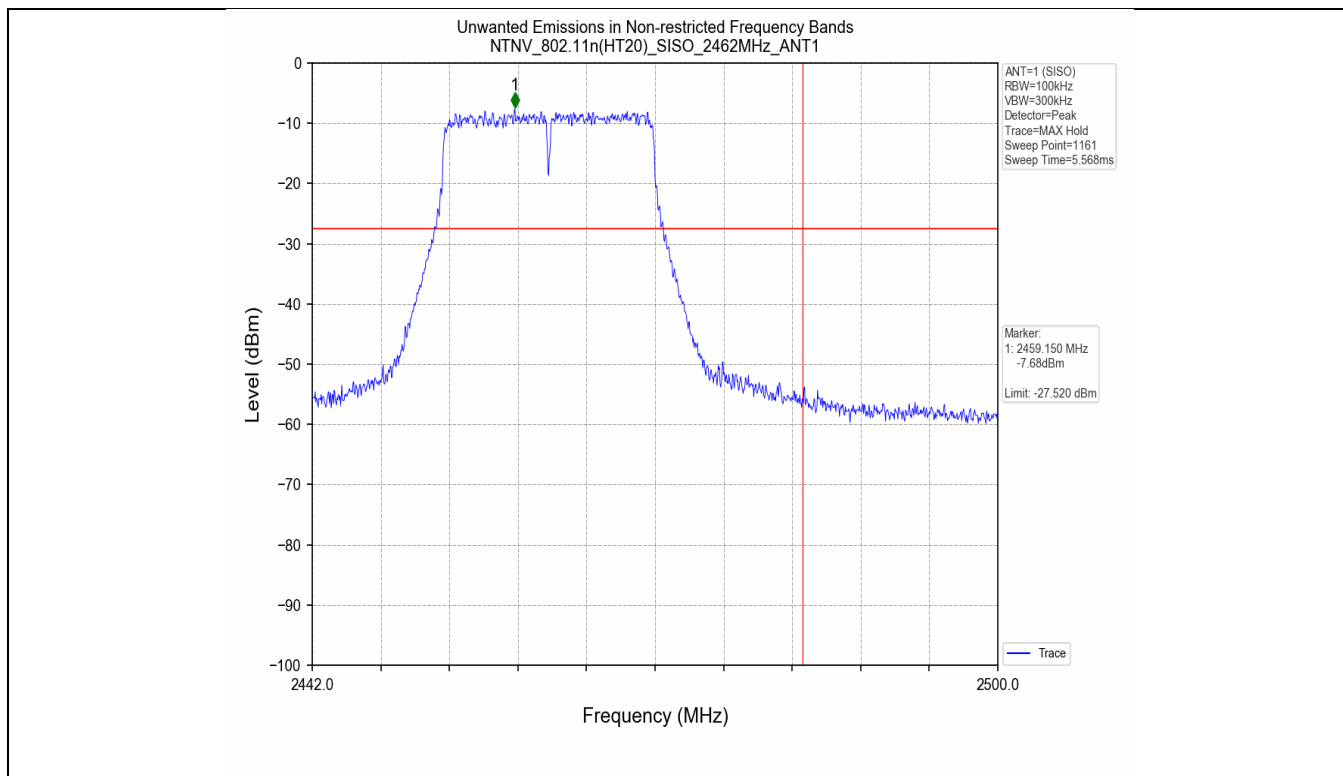


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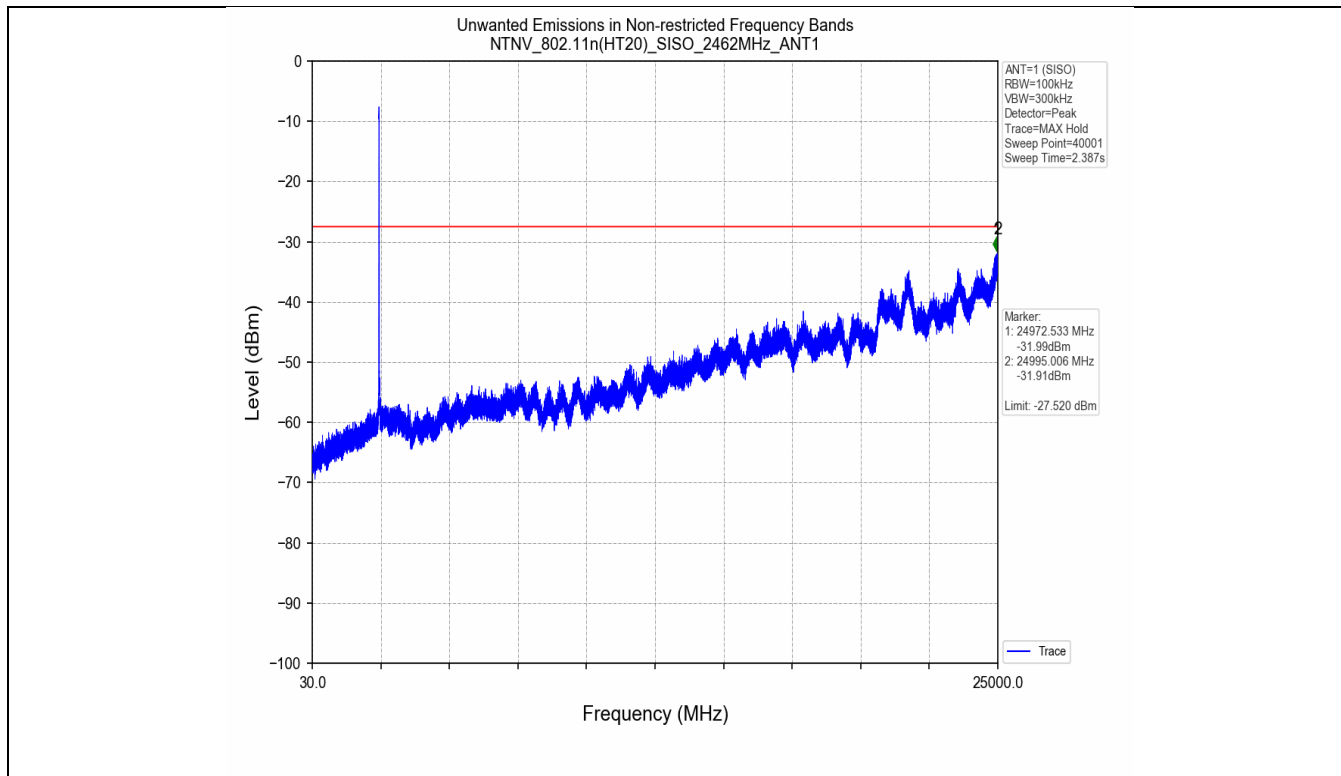
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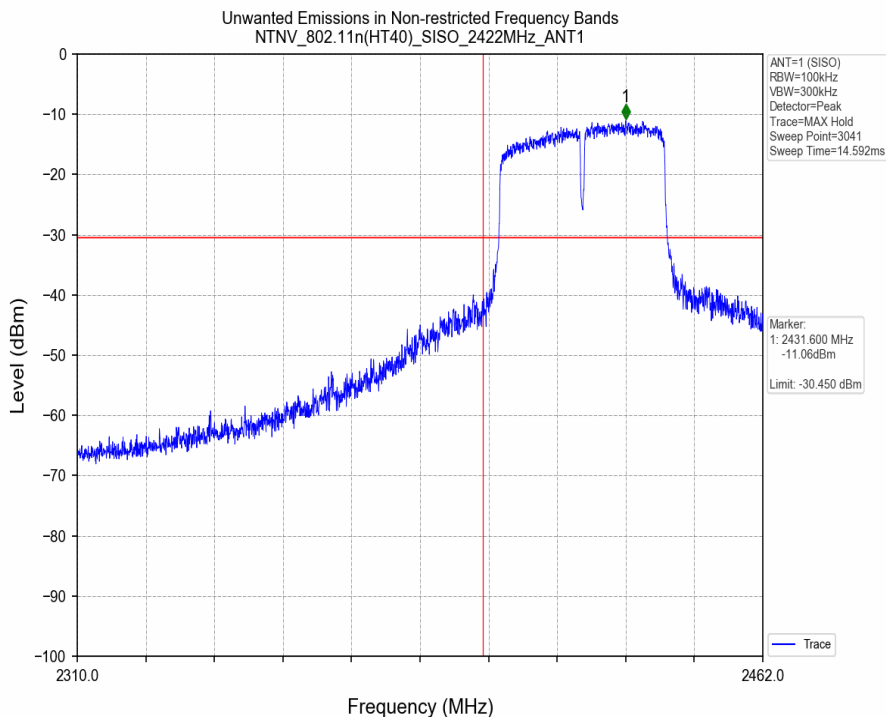
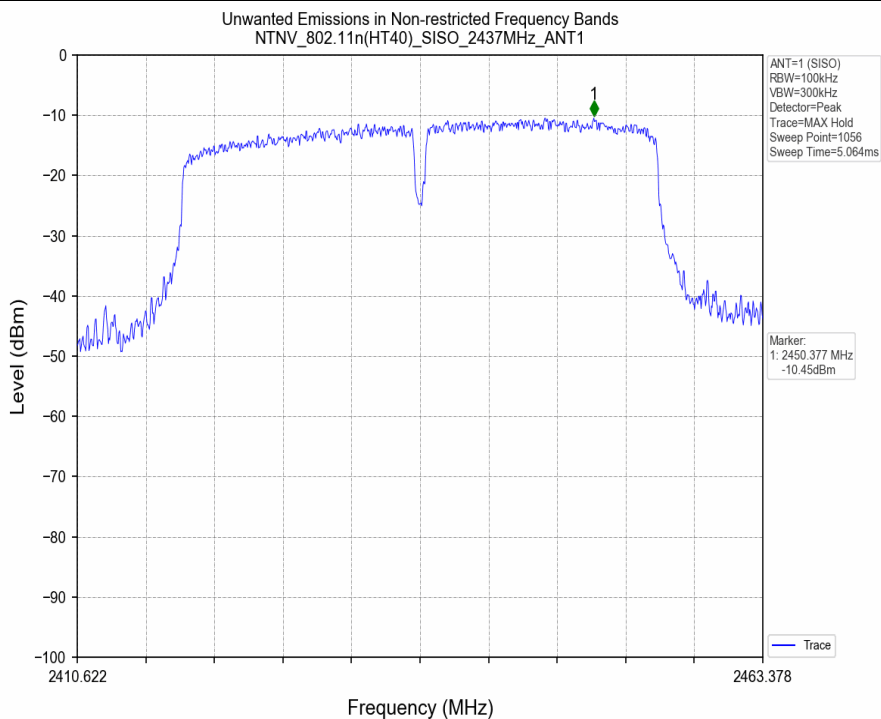
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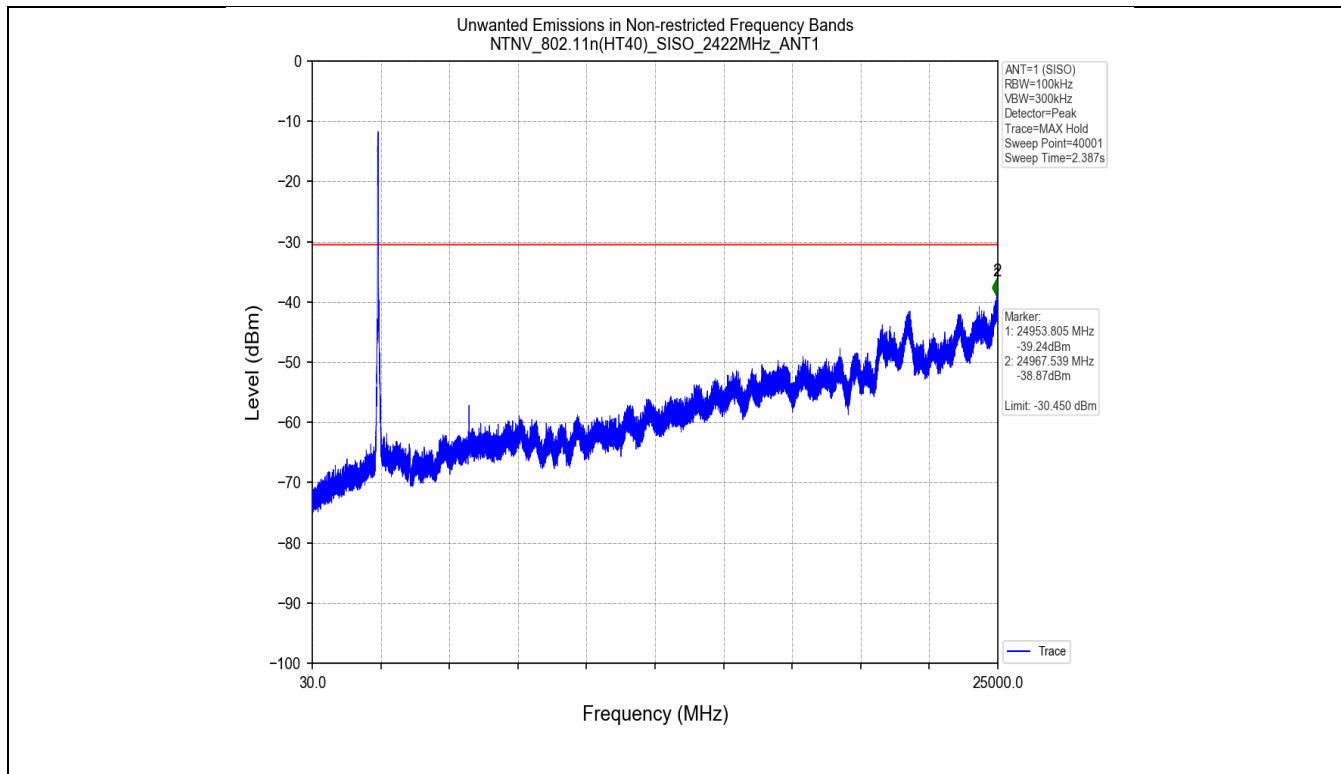
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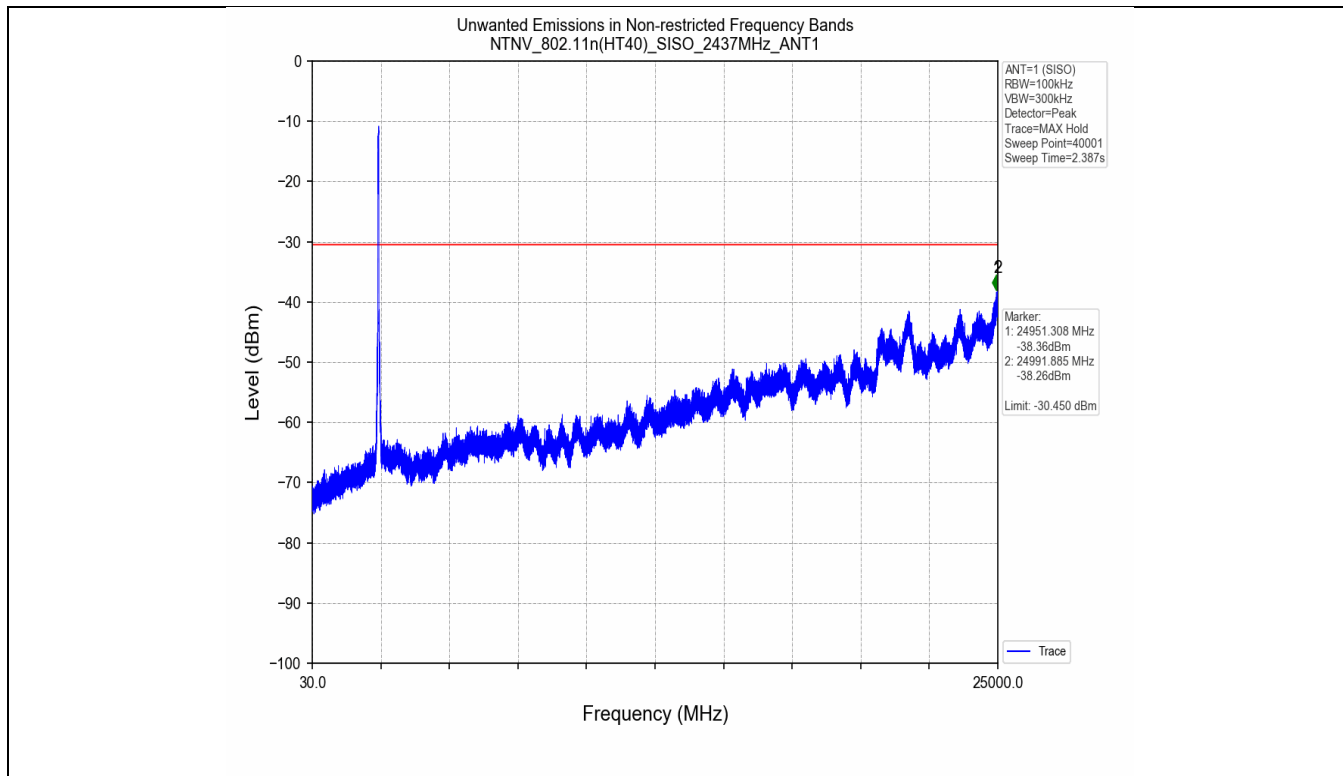
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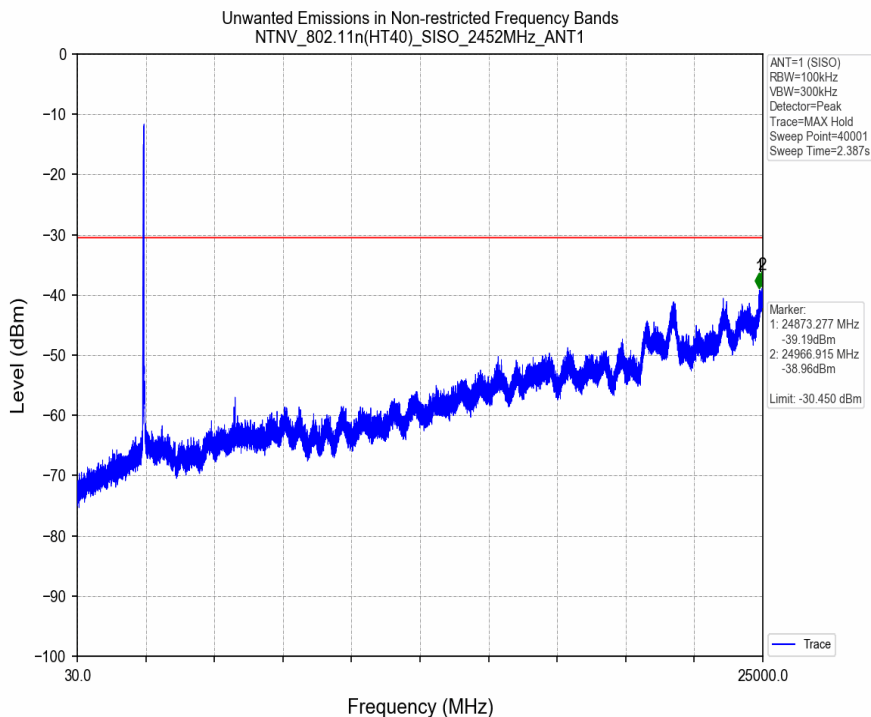
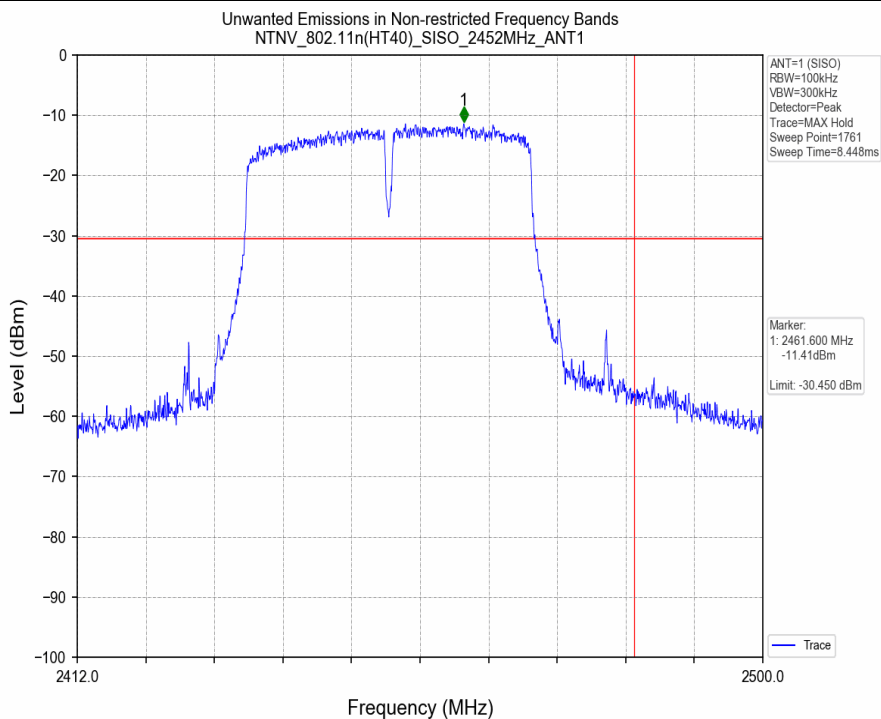
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SGS-CSTC Standards Technical Services Co., Ltd.
Testing Center EMC Lab (Shanghai)

NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612
中国·上海·松江区金都西路588号 邮编: 201612

t(86-21)61915666 f(86-21)61915678 www.sgsgroup.com.cn
t(86-21)61915666 f(86-21)61915678 e sgs.china@sgs.com