

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	-25.29	PASS
	2437	SISO	1	Refer to test graph	-25.29	PASS
	2462	SISO	1	Refer to test graph	-25.29	PASS
802.11g	2412	SISO	1	Refer to test graph	-26.68	PASS
	2437	SISO	1	Refer to test graph	-26.68	PASS
	2462	SISO	1	Refer to test graph	-26.68	PASS
802.11n(HT20)	2412	MIMO	MIMO	Refer to test graph	-26.76	PASS
	2437	MIMO	MIMO	Refer to test graph	-26.76	PASS
	2462	MIMO	MIMO	Refer to test graph	-26.76	PASS
802.11n(HT40)	2422	MIMO	MIMO	Refer to test graph	-30.24	PASS
	2437	MIMO	MIMO	Refer to test graph	-30.24	PASS
	2452	MIMO	MIMO	Refer to test graph	-30.24	PASS

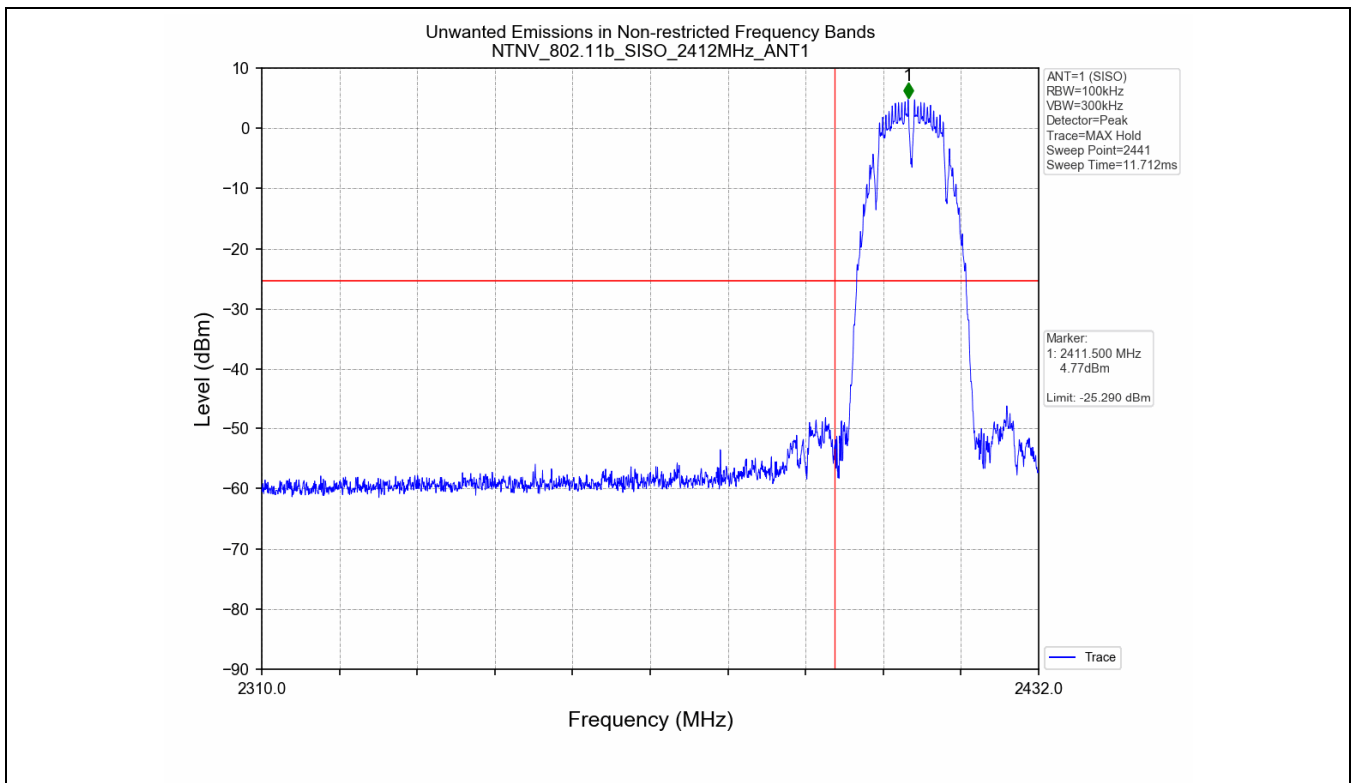
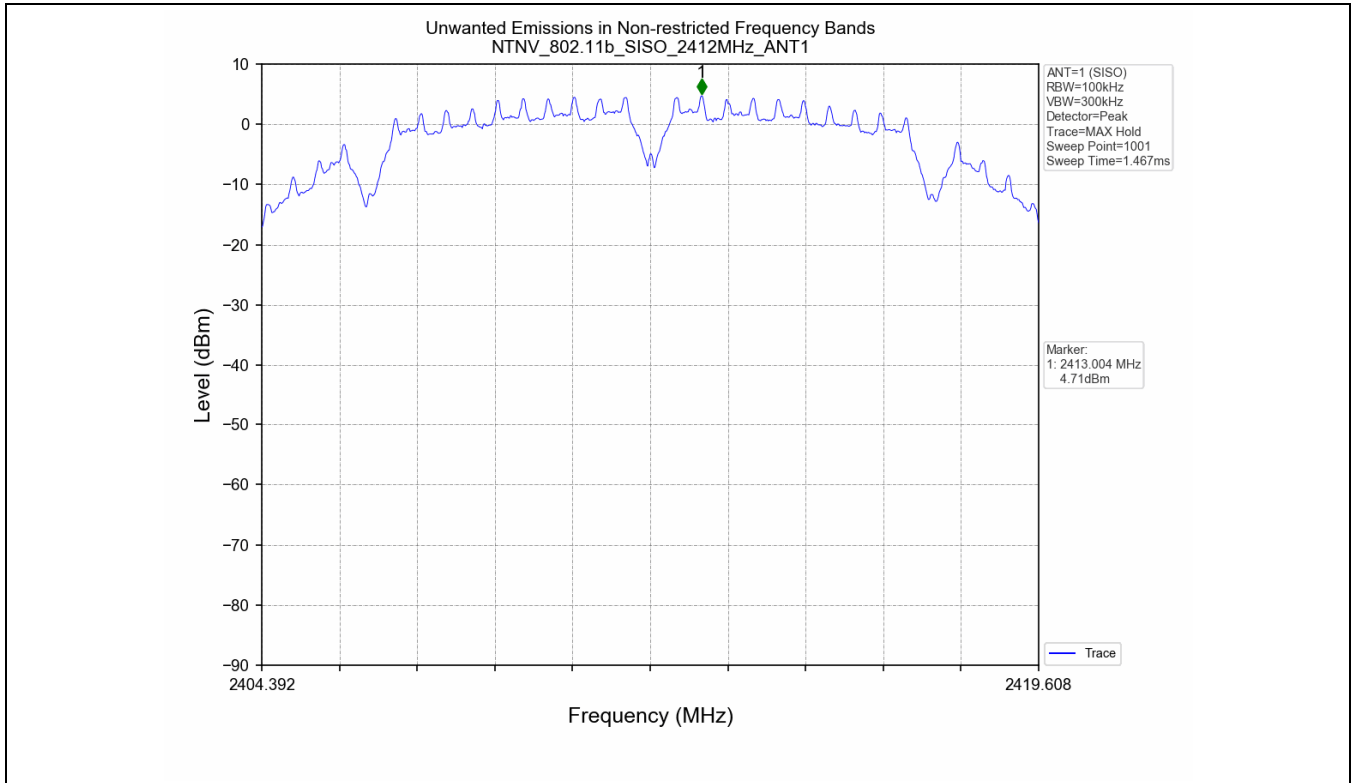


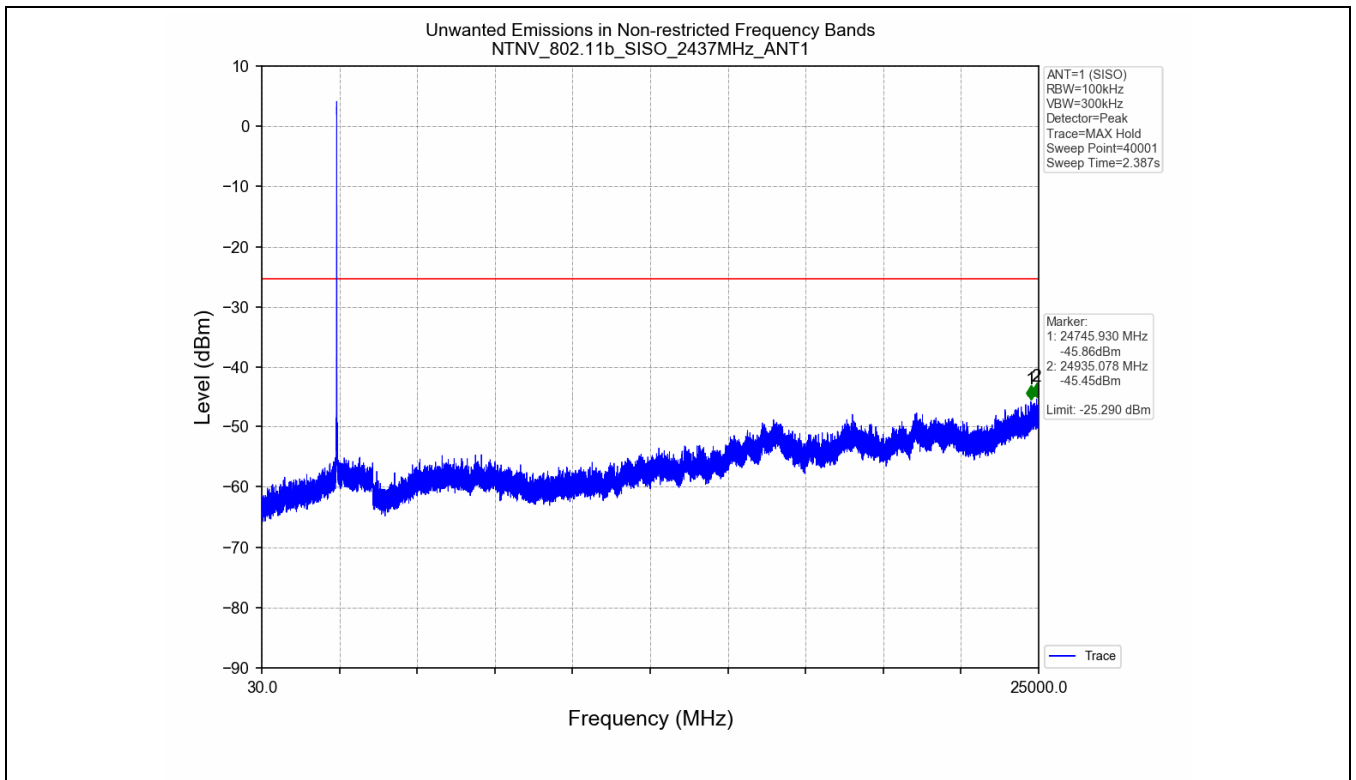
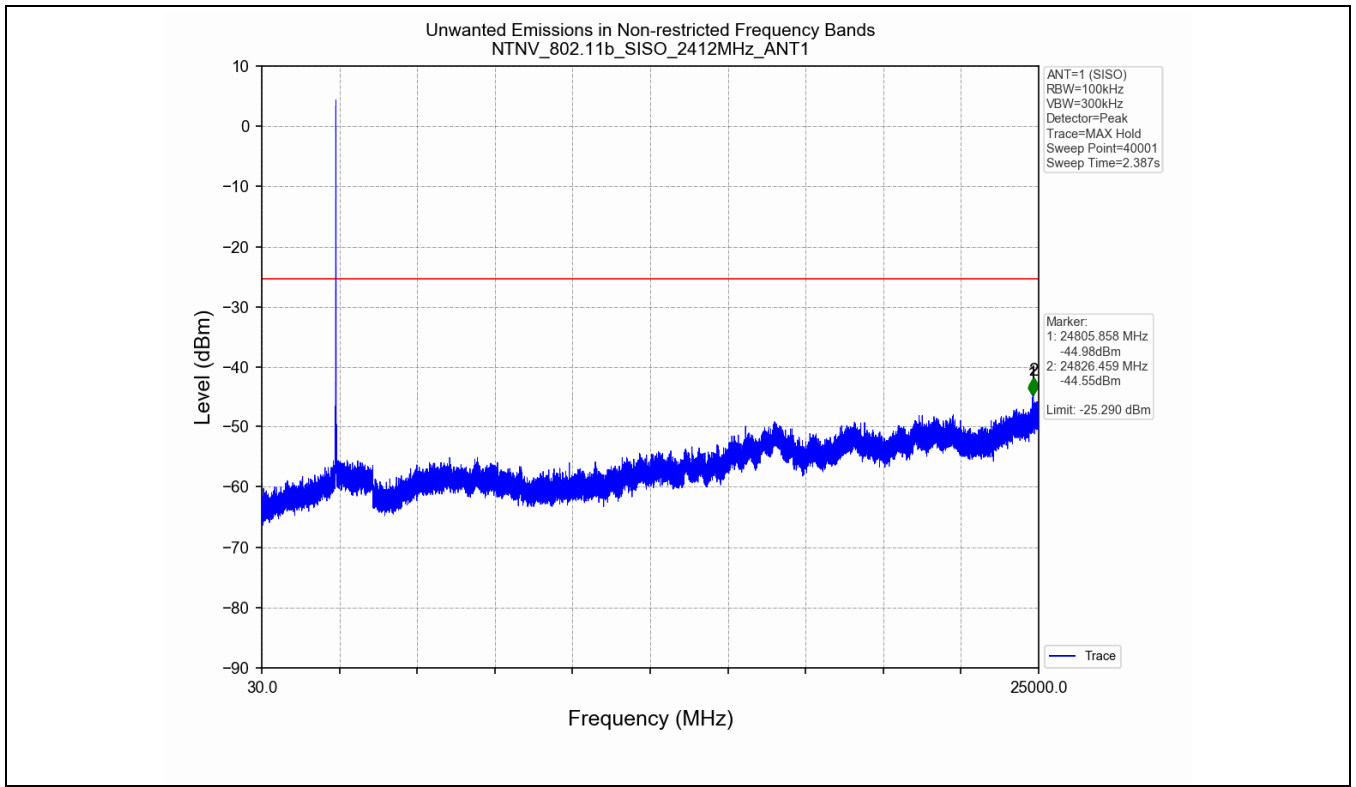
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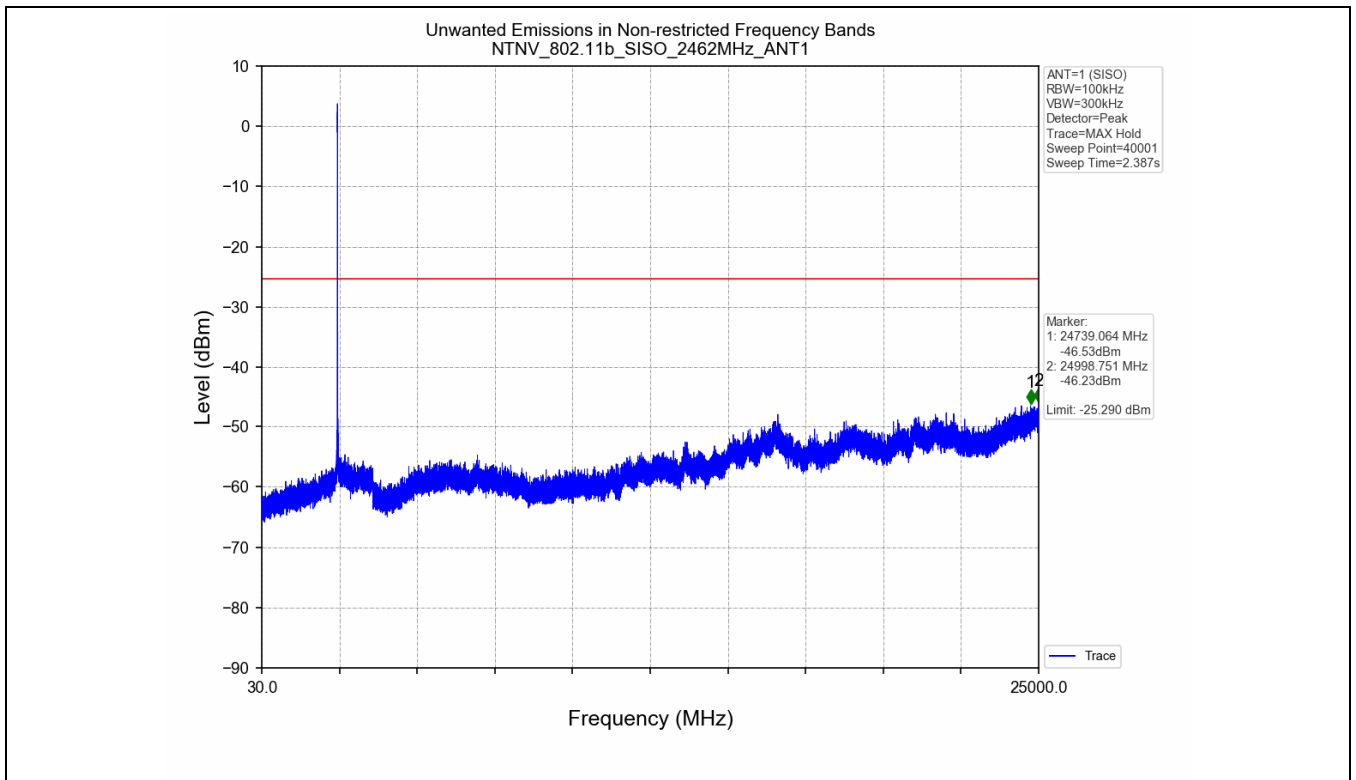
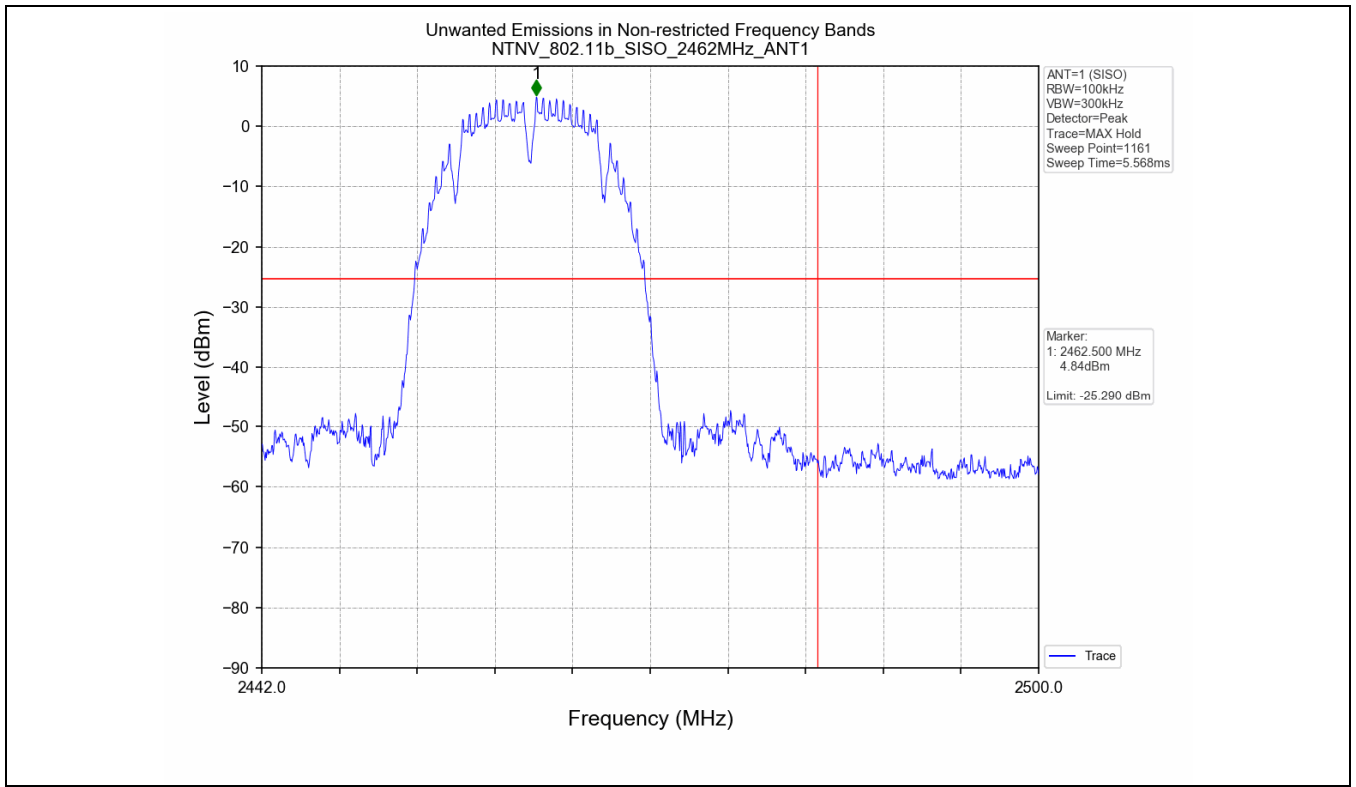
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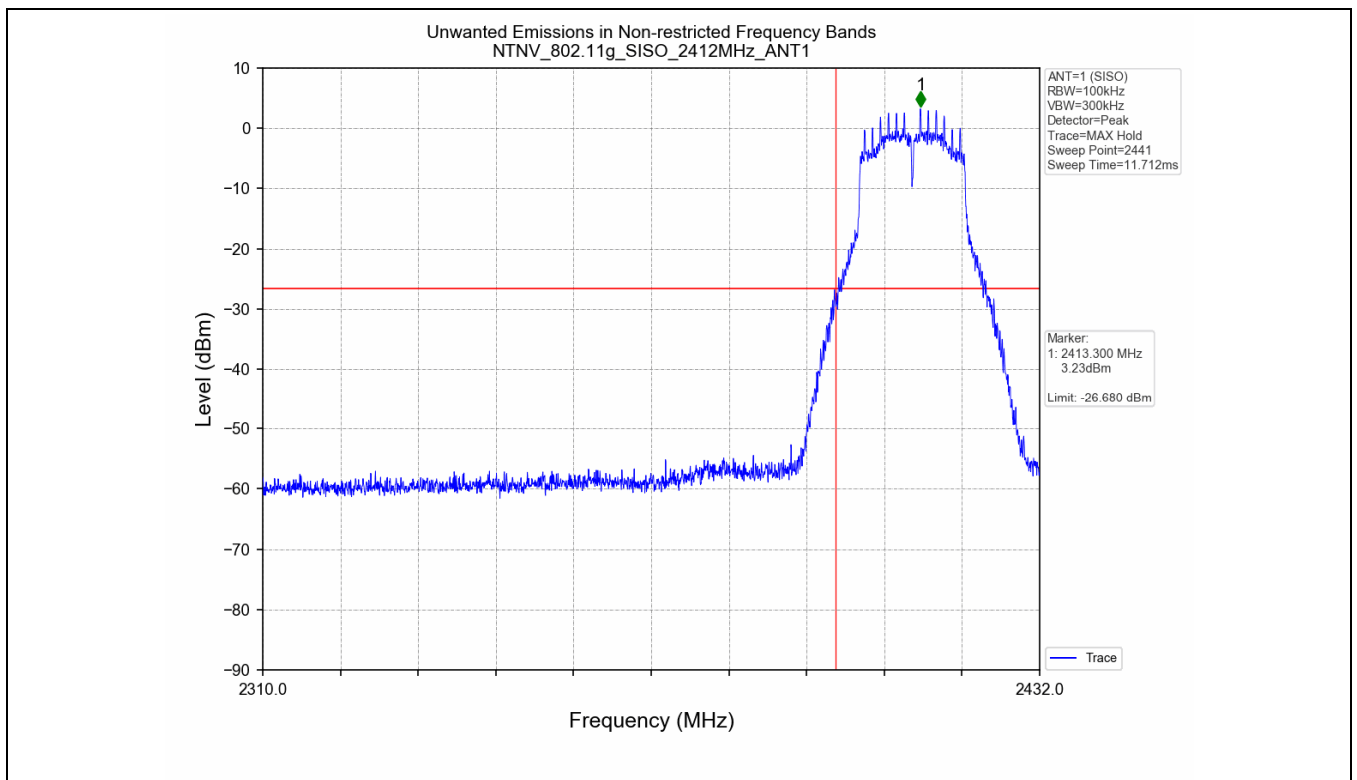
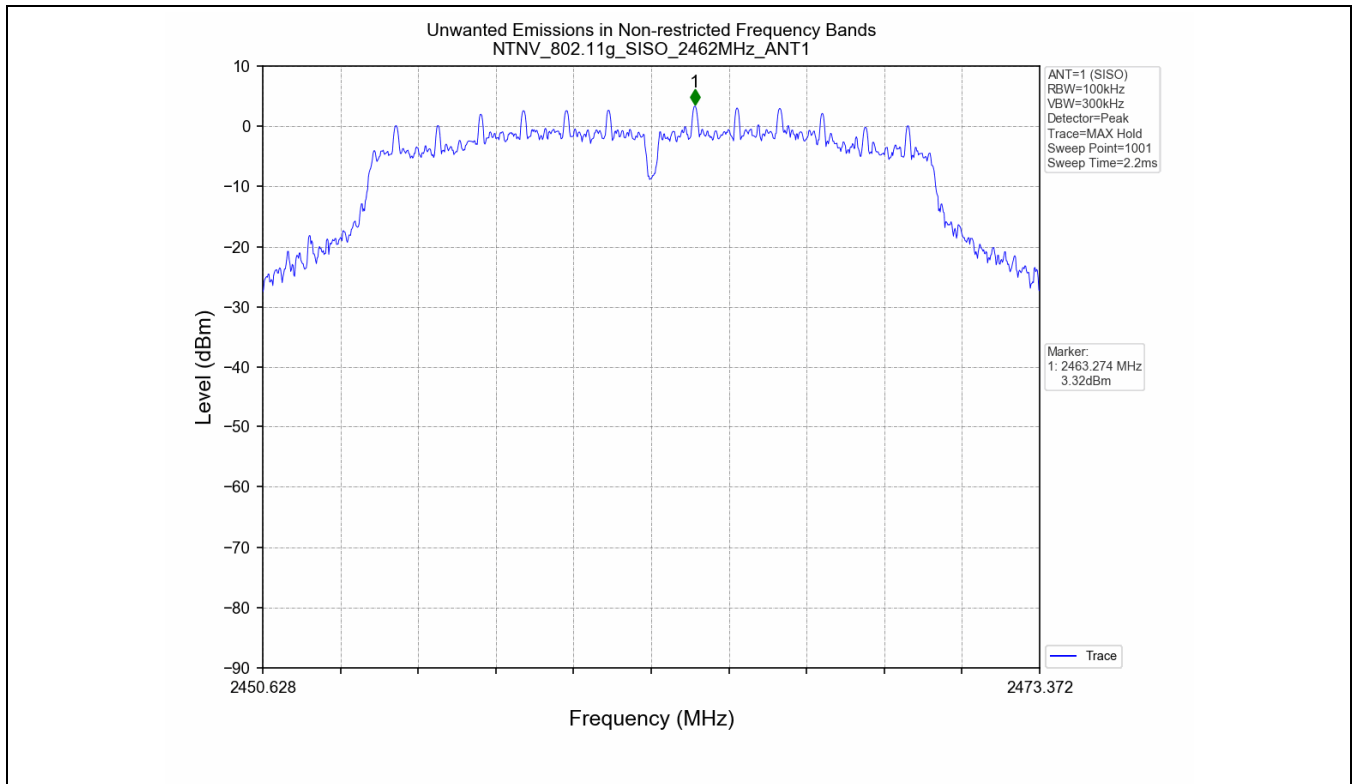
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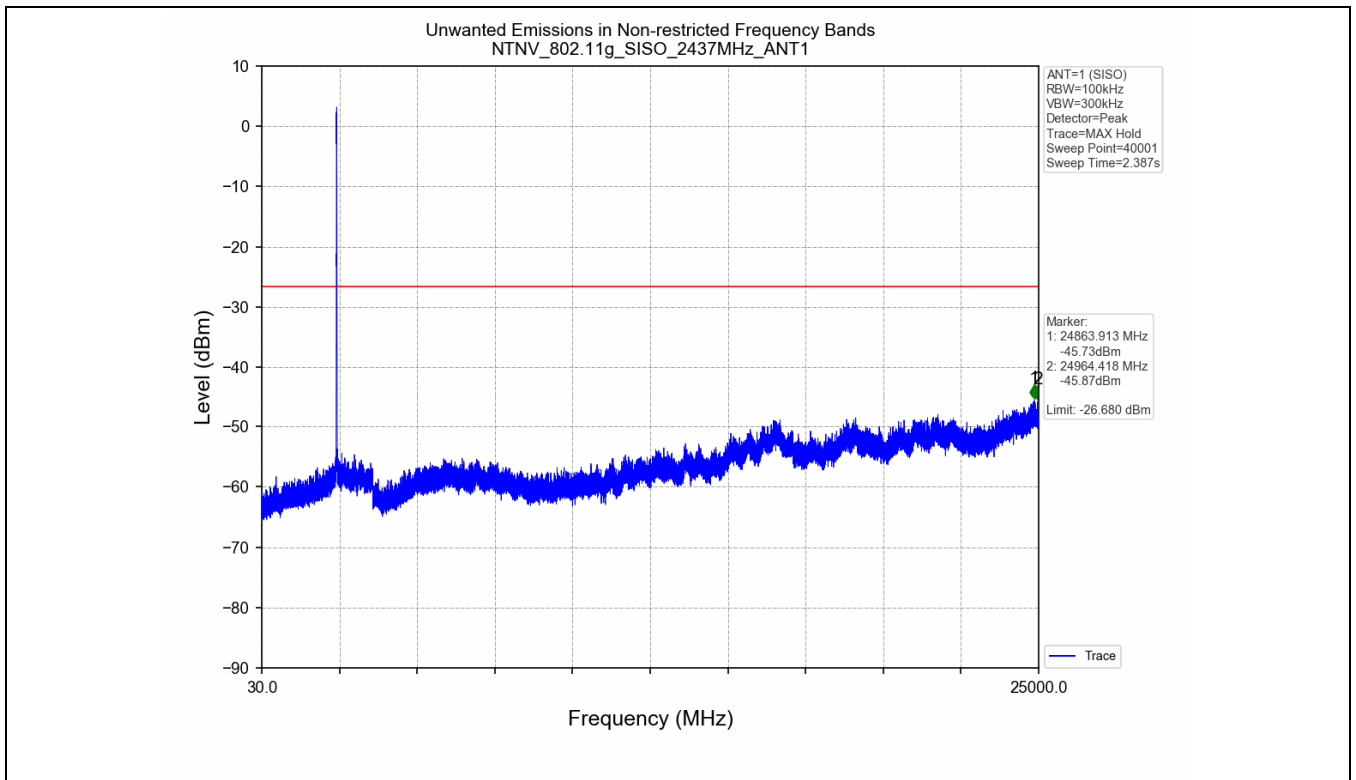
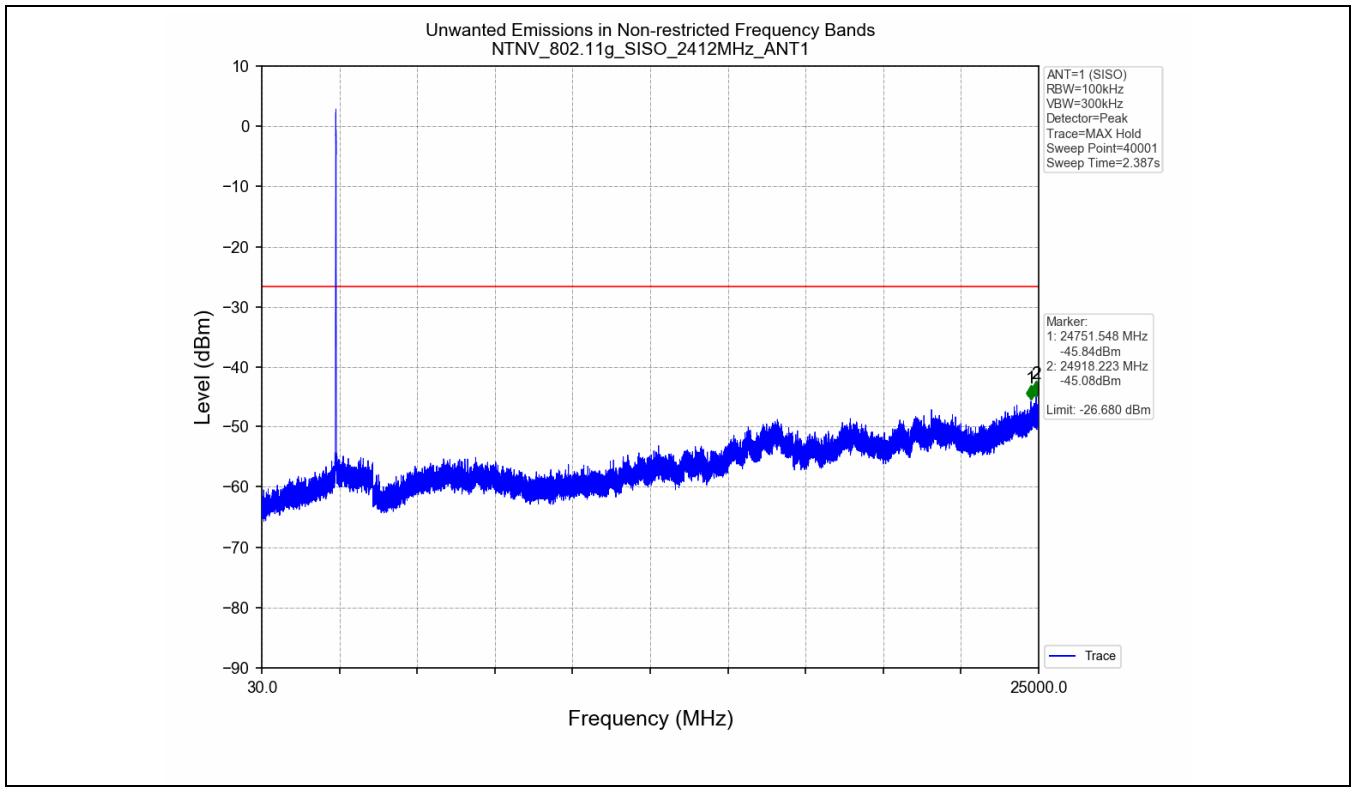
5.2 Test Graph

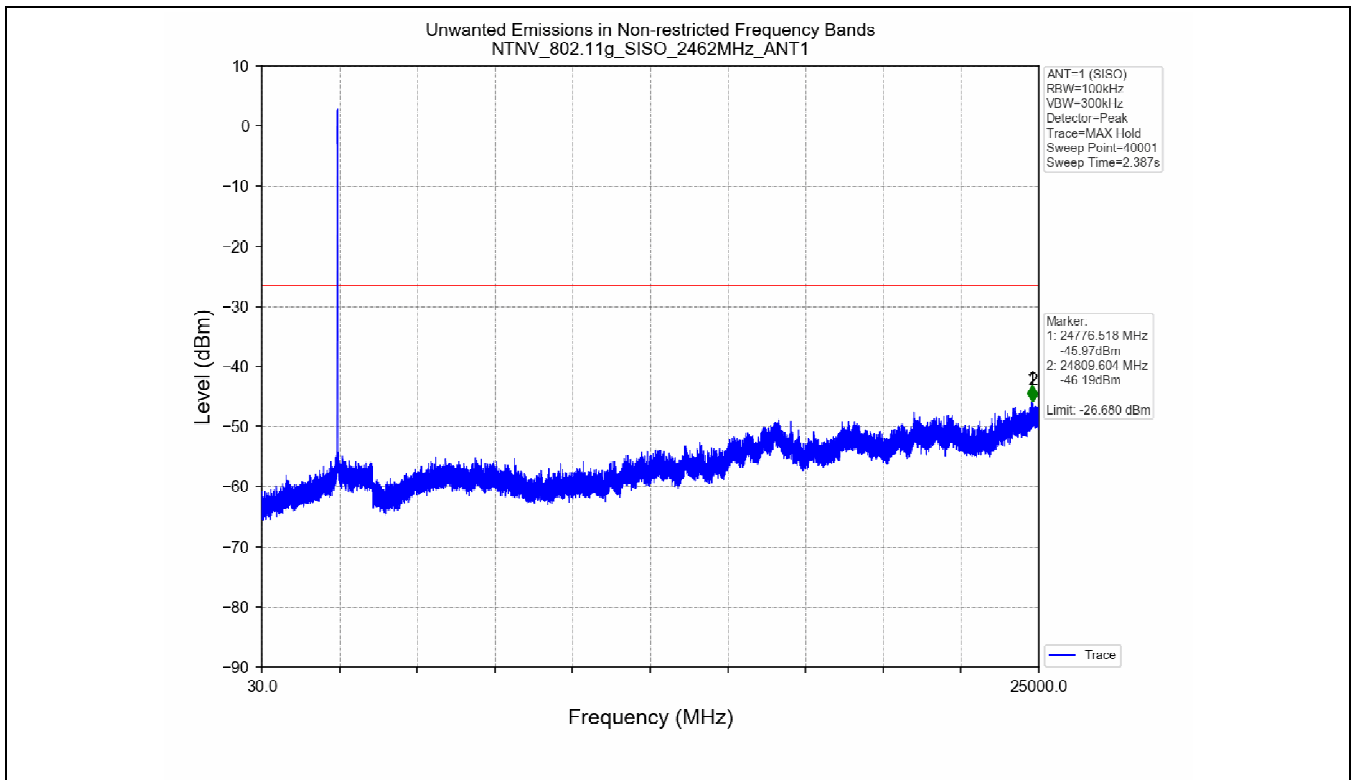
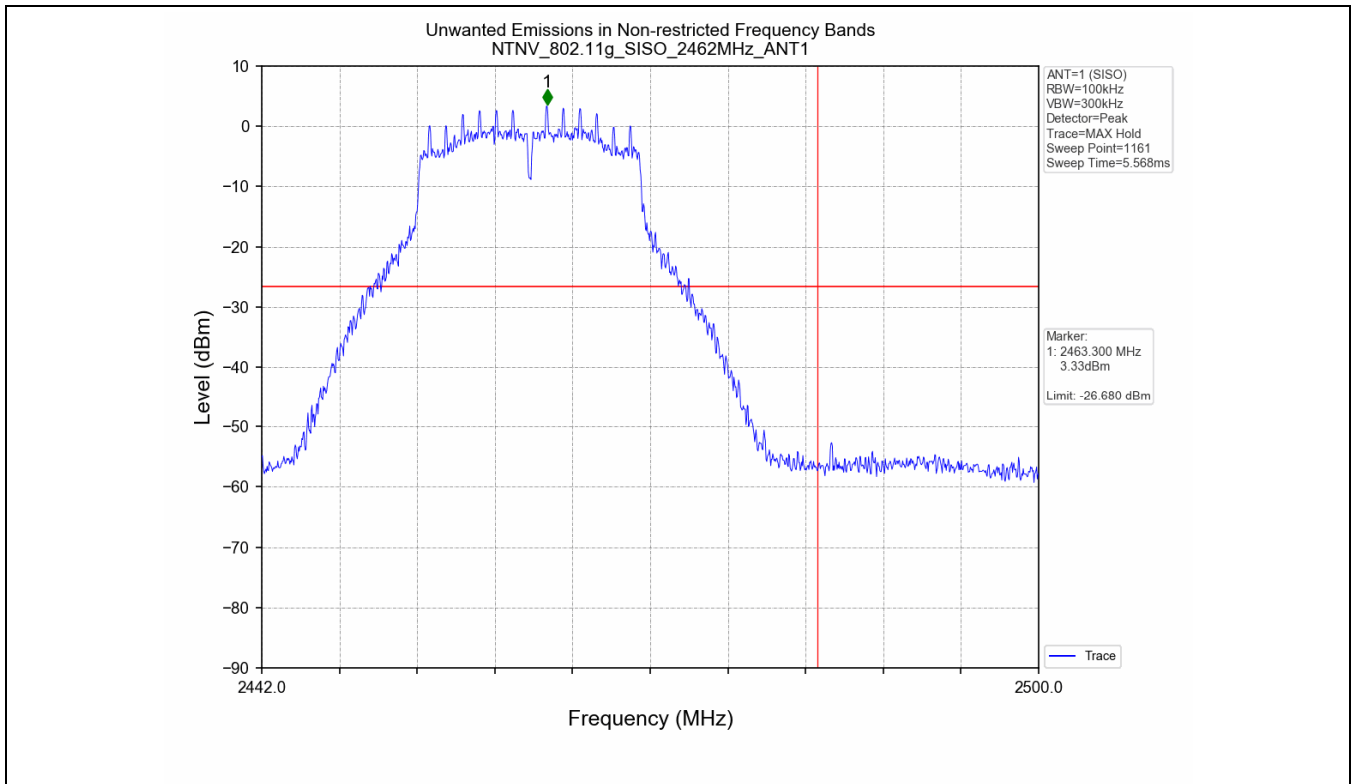


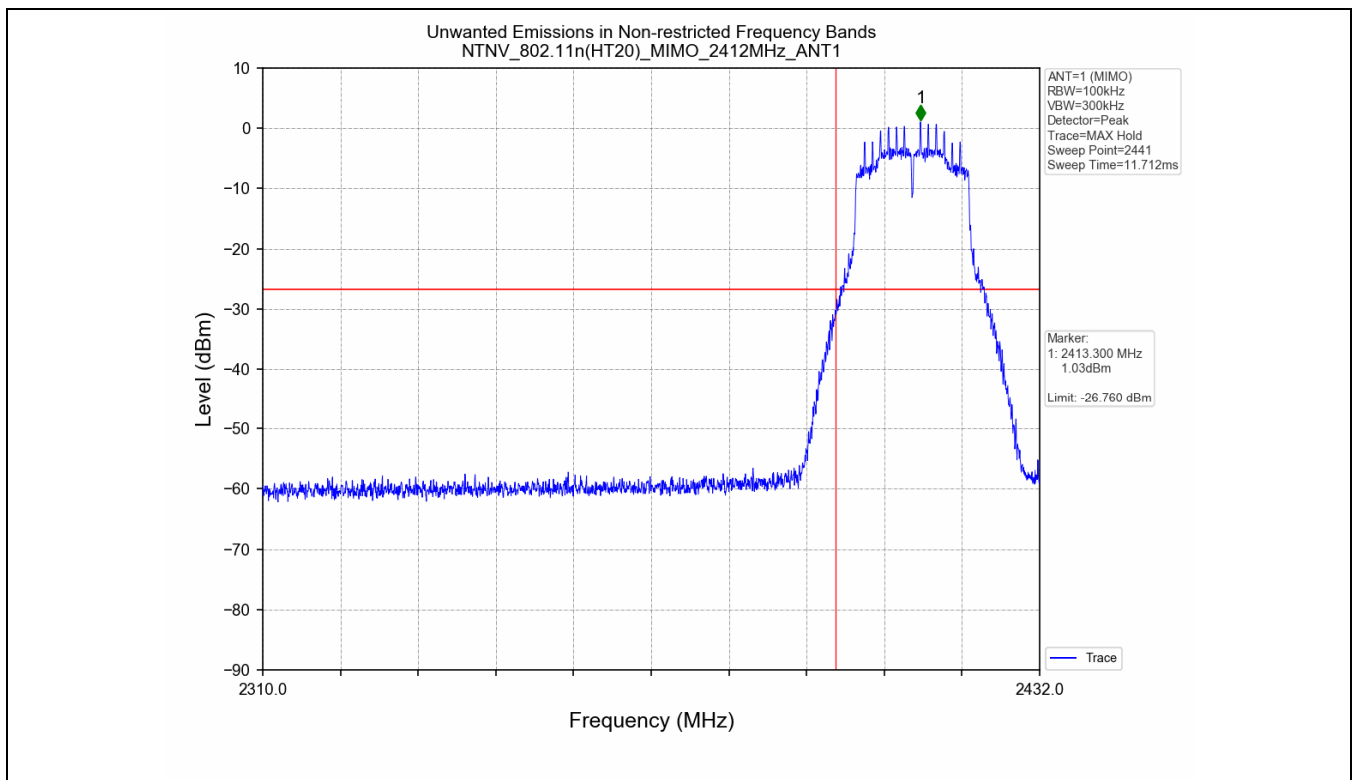
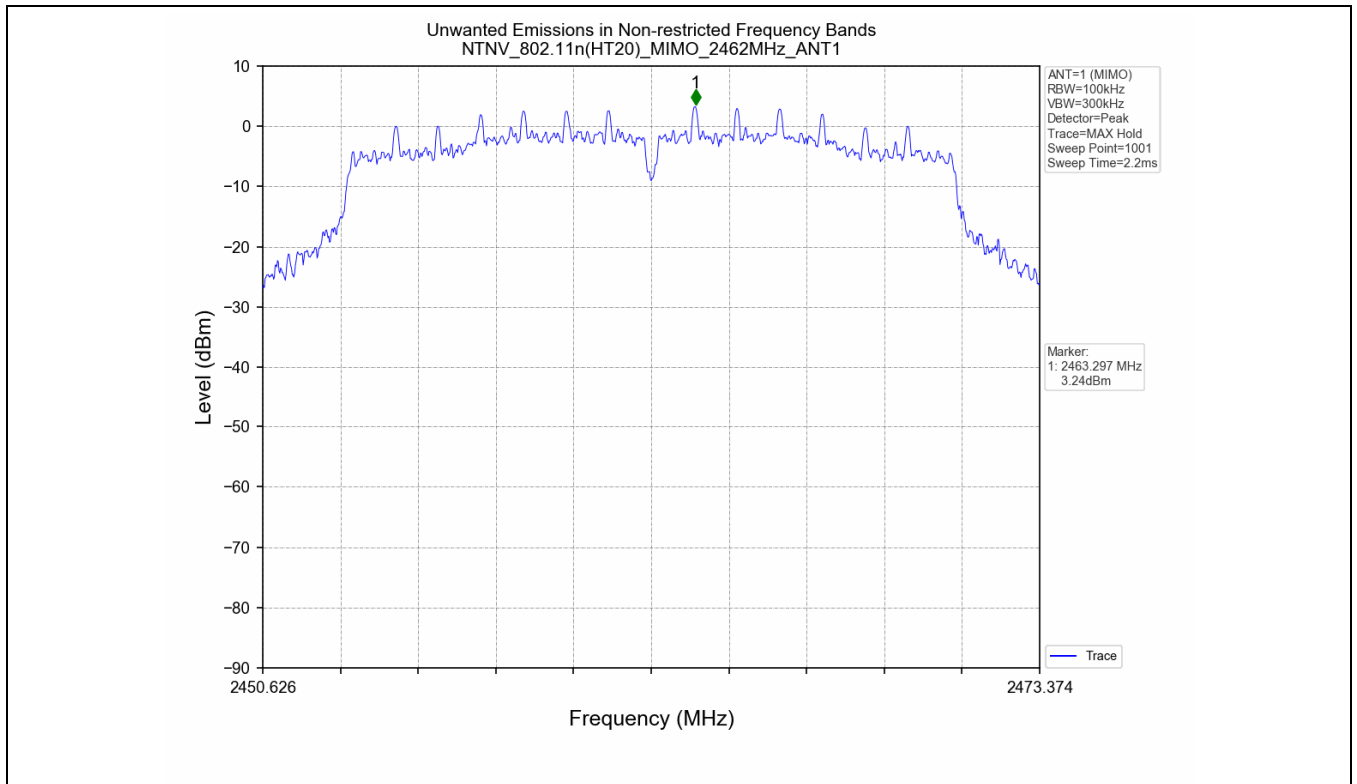


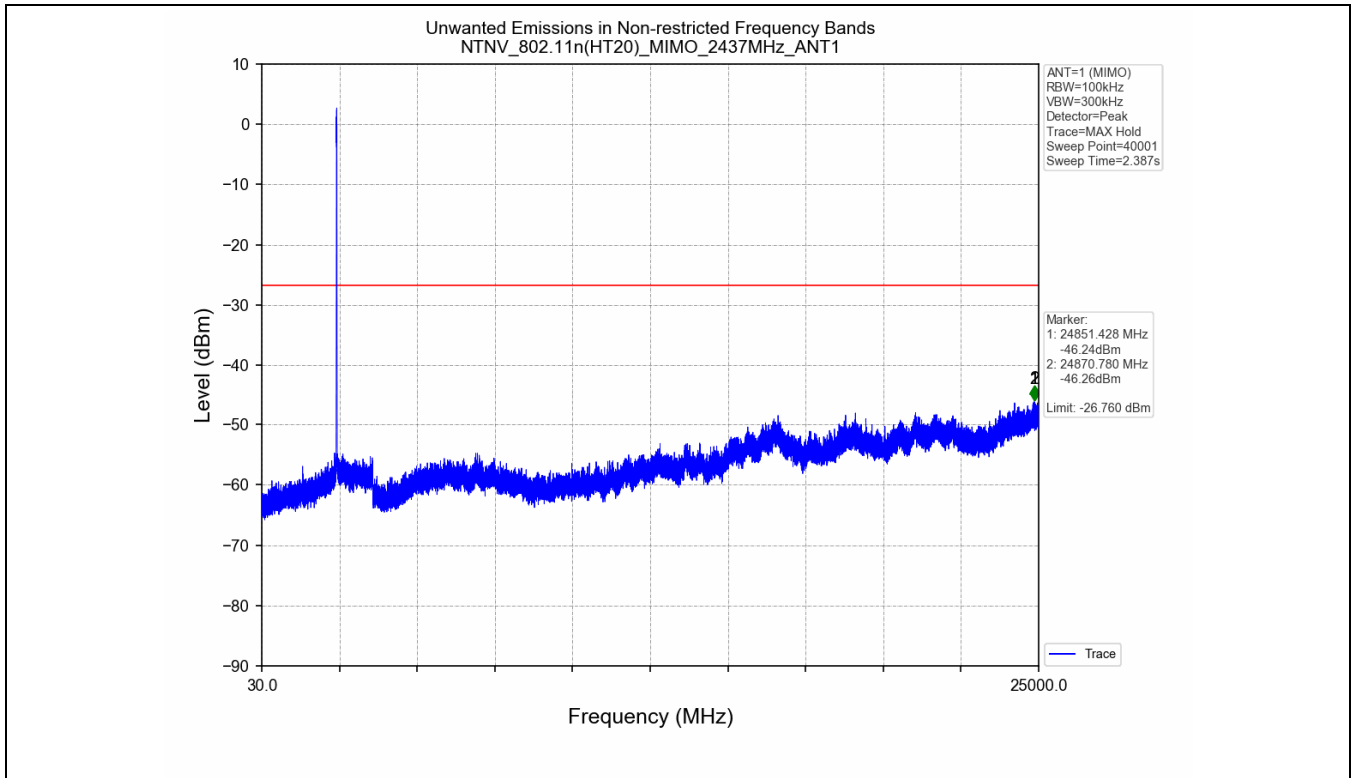
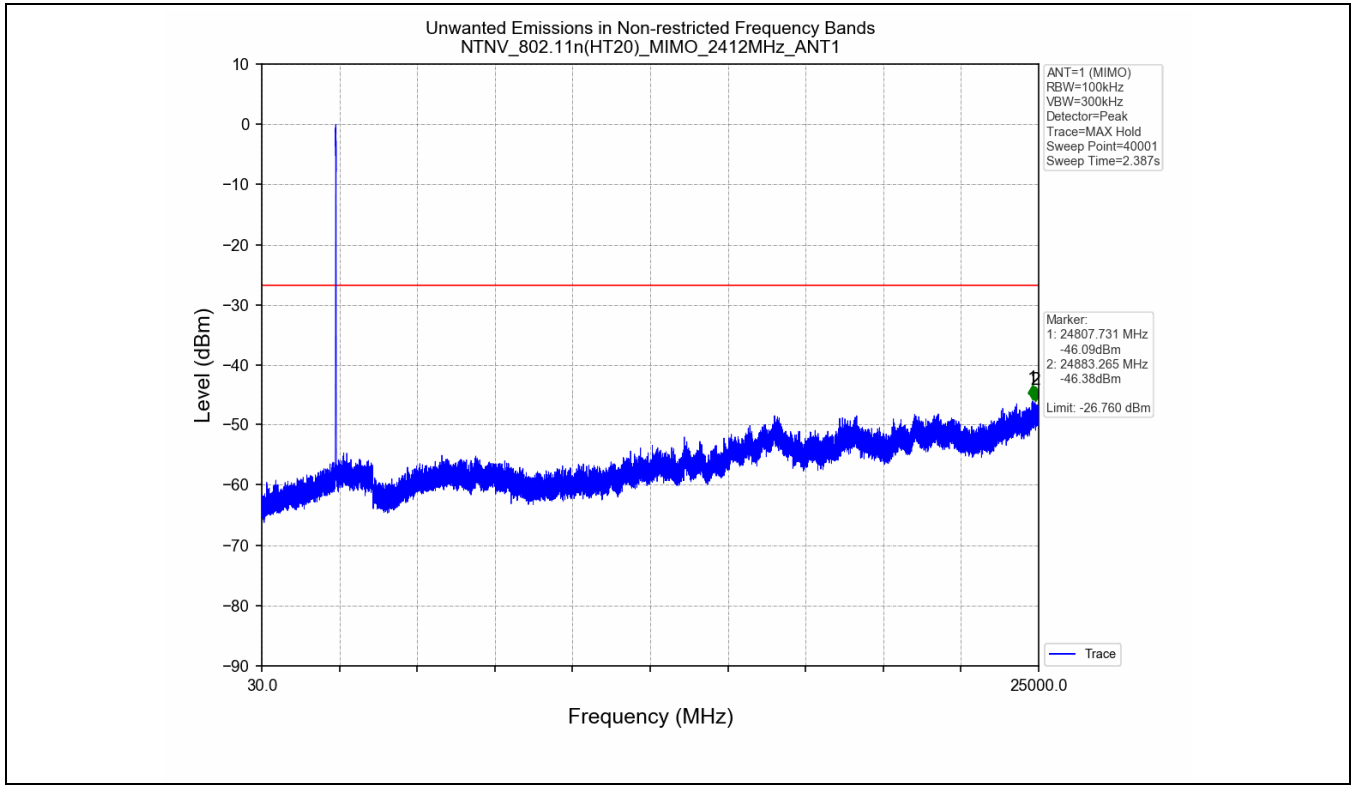


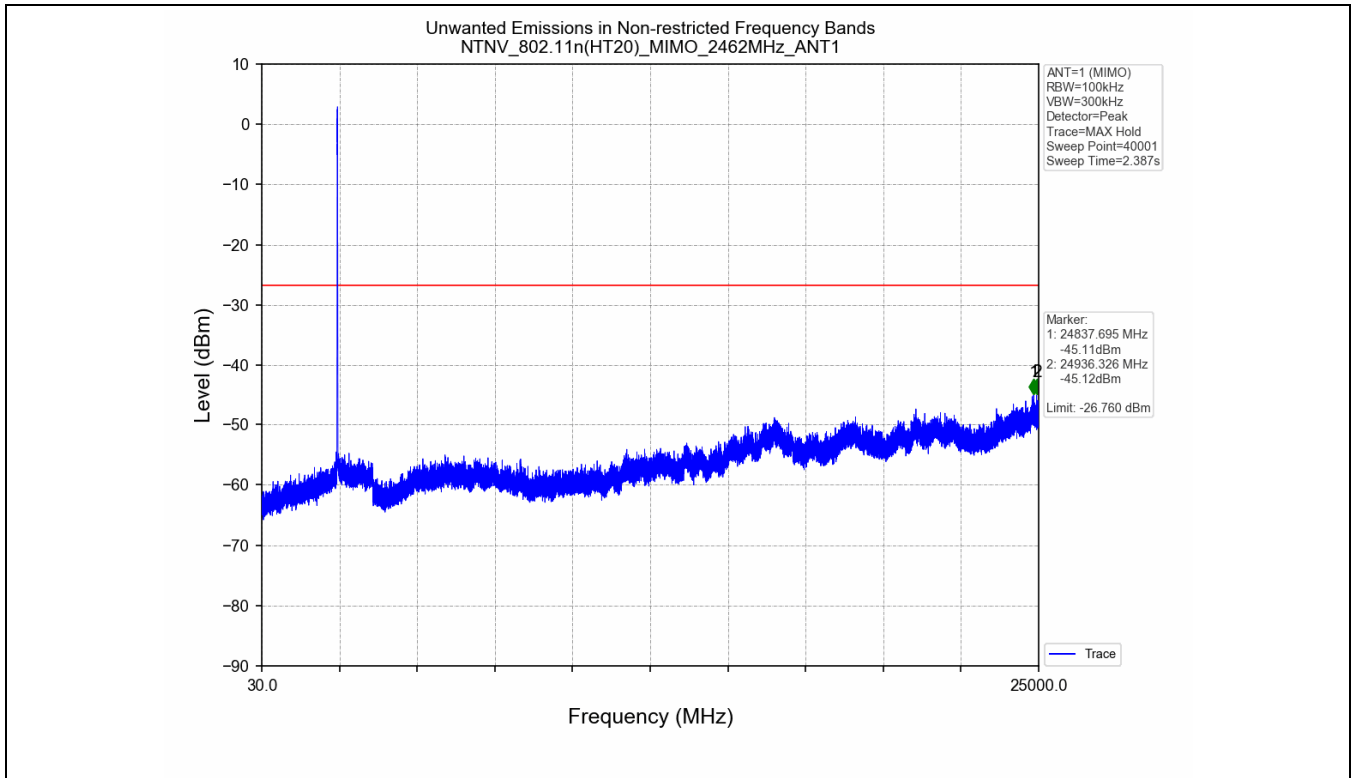
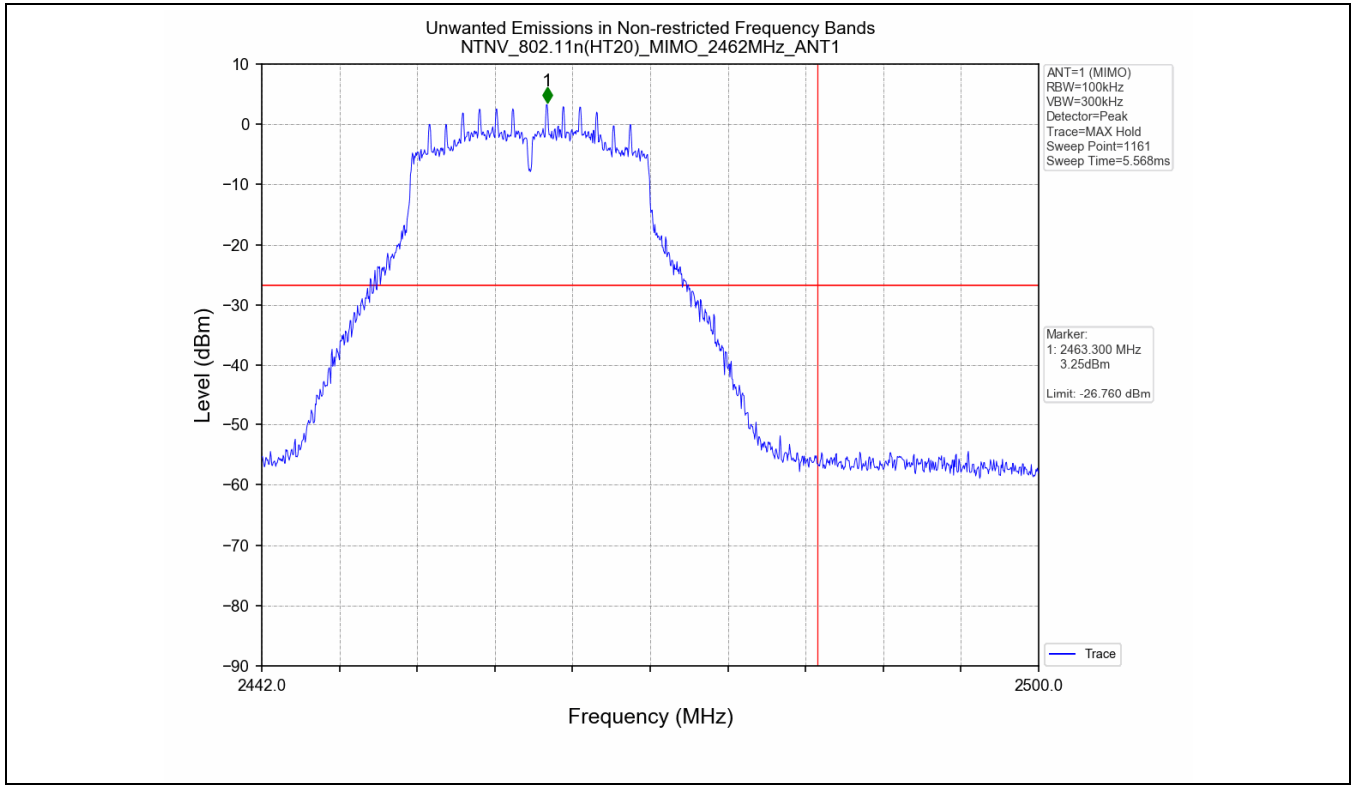


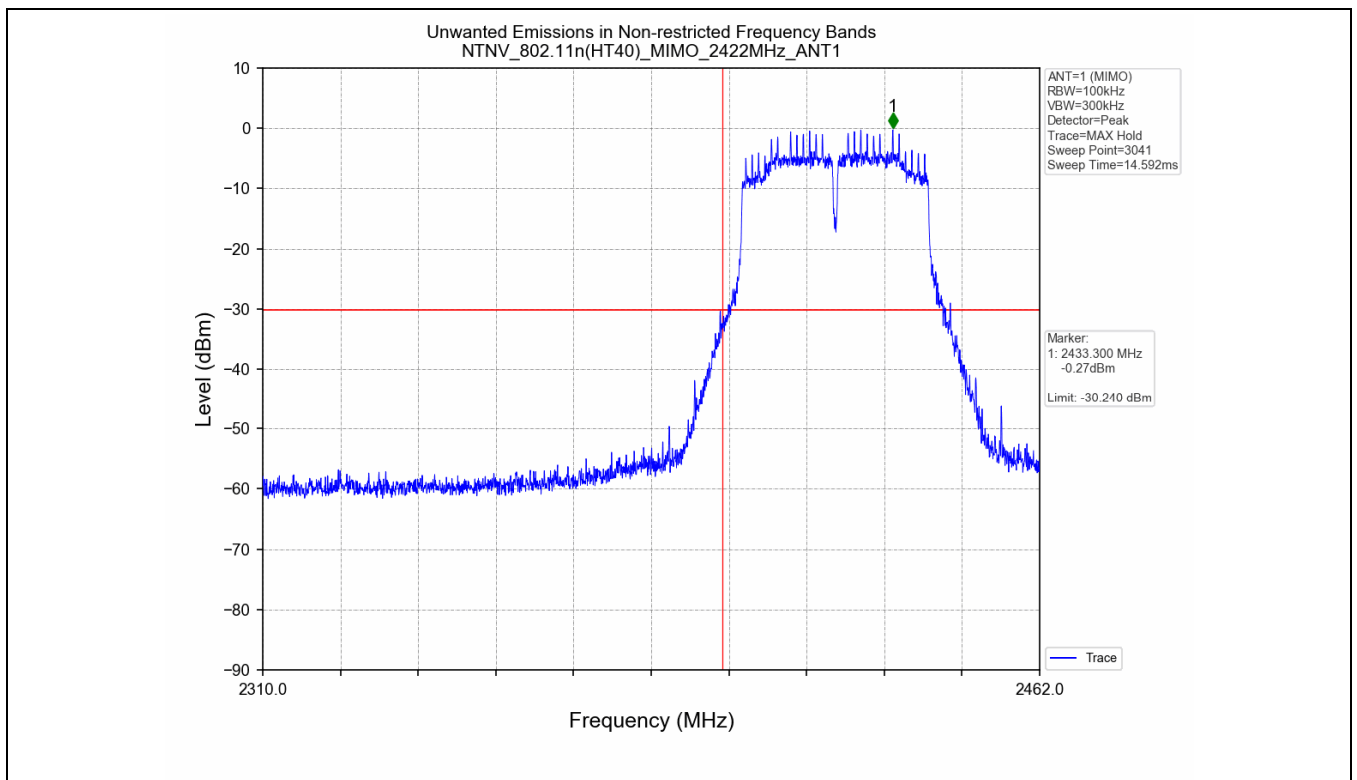
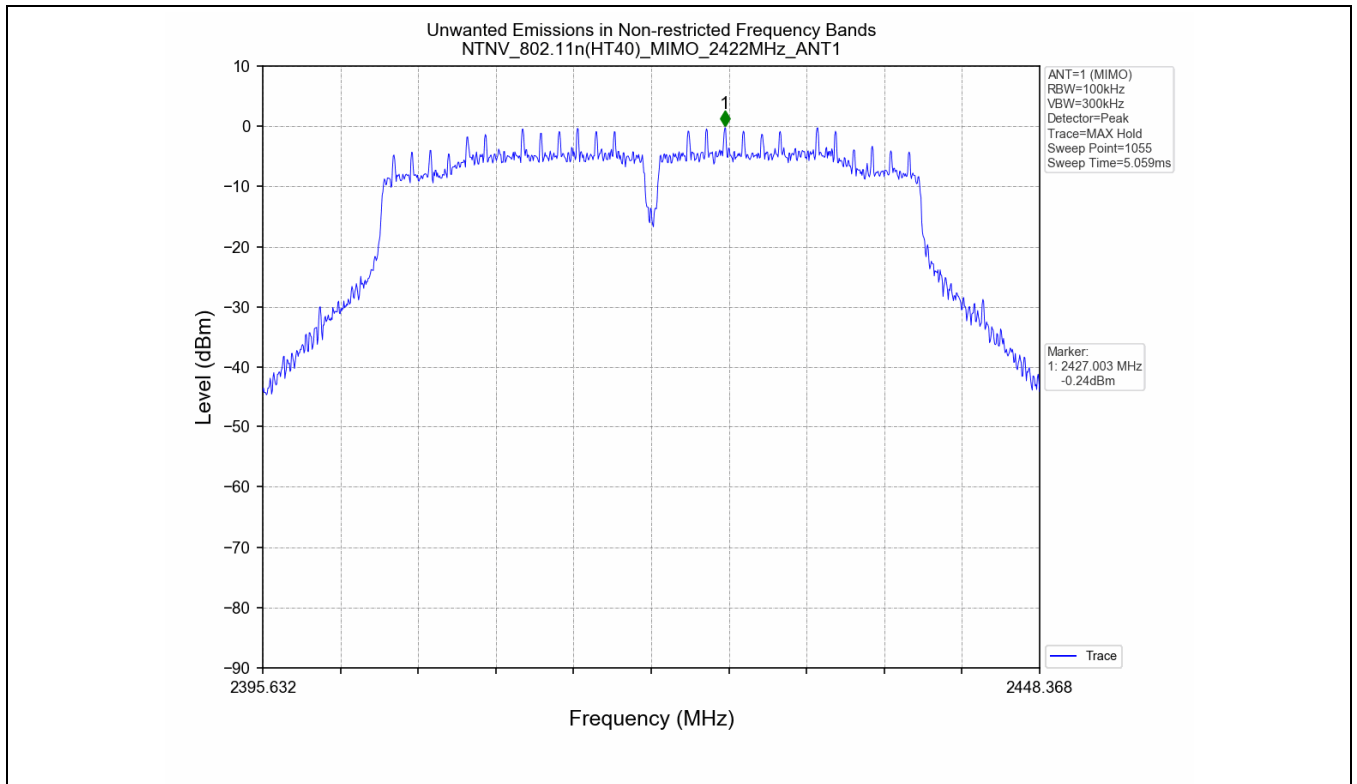


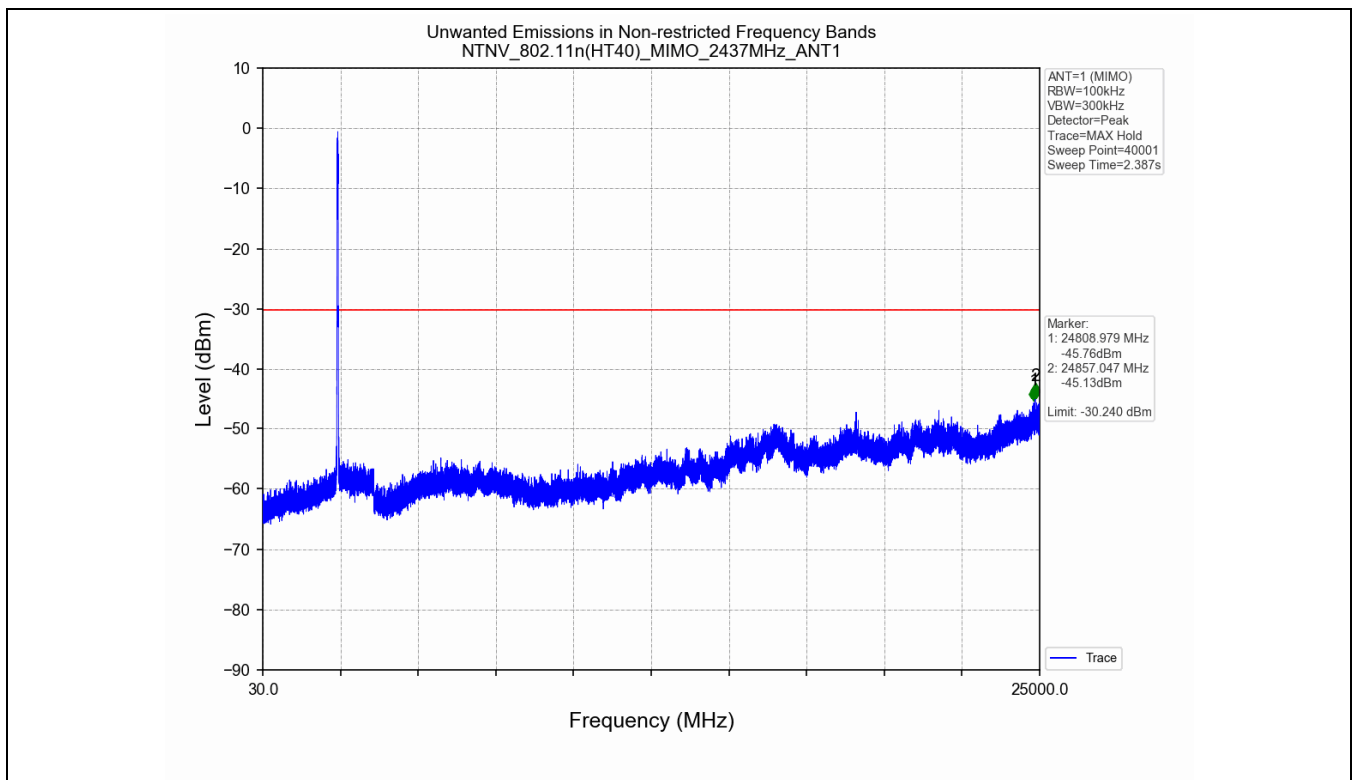
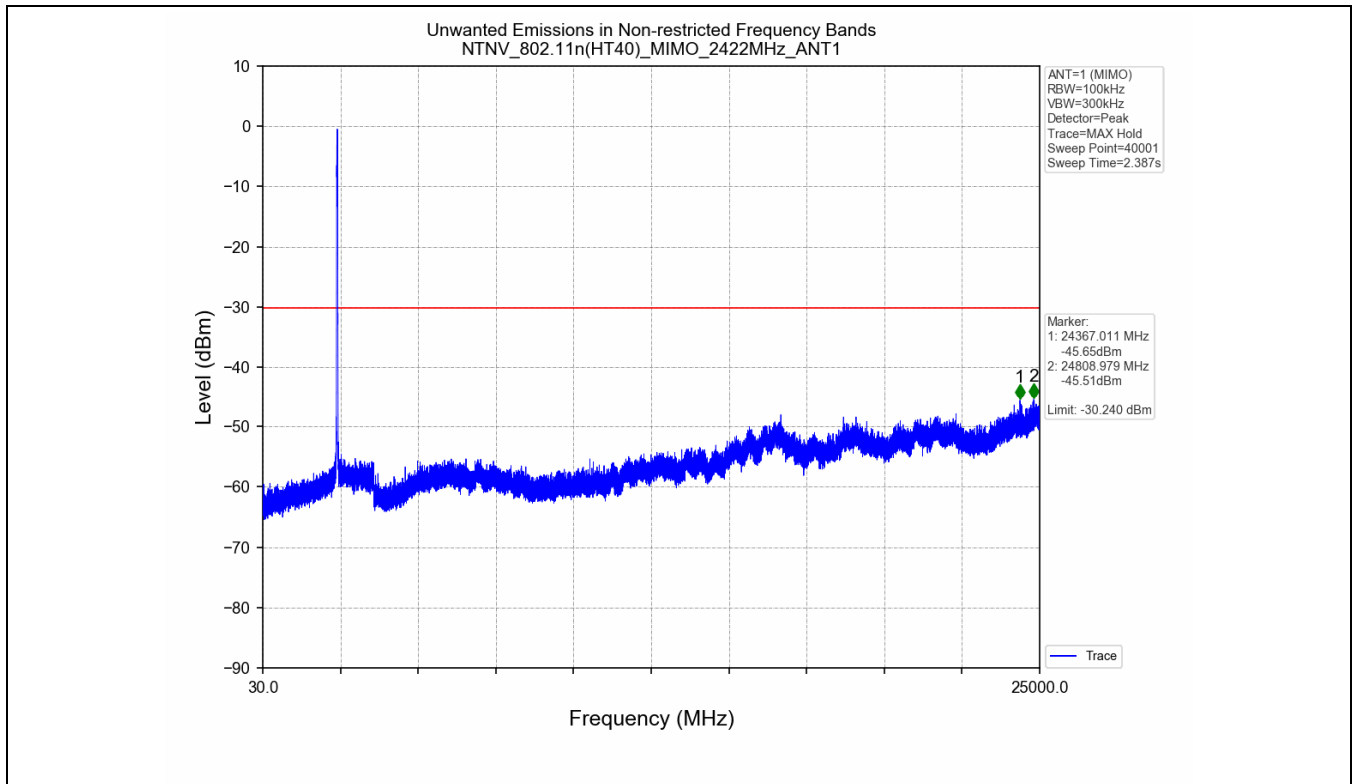










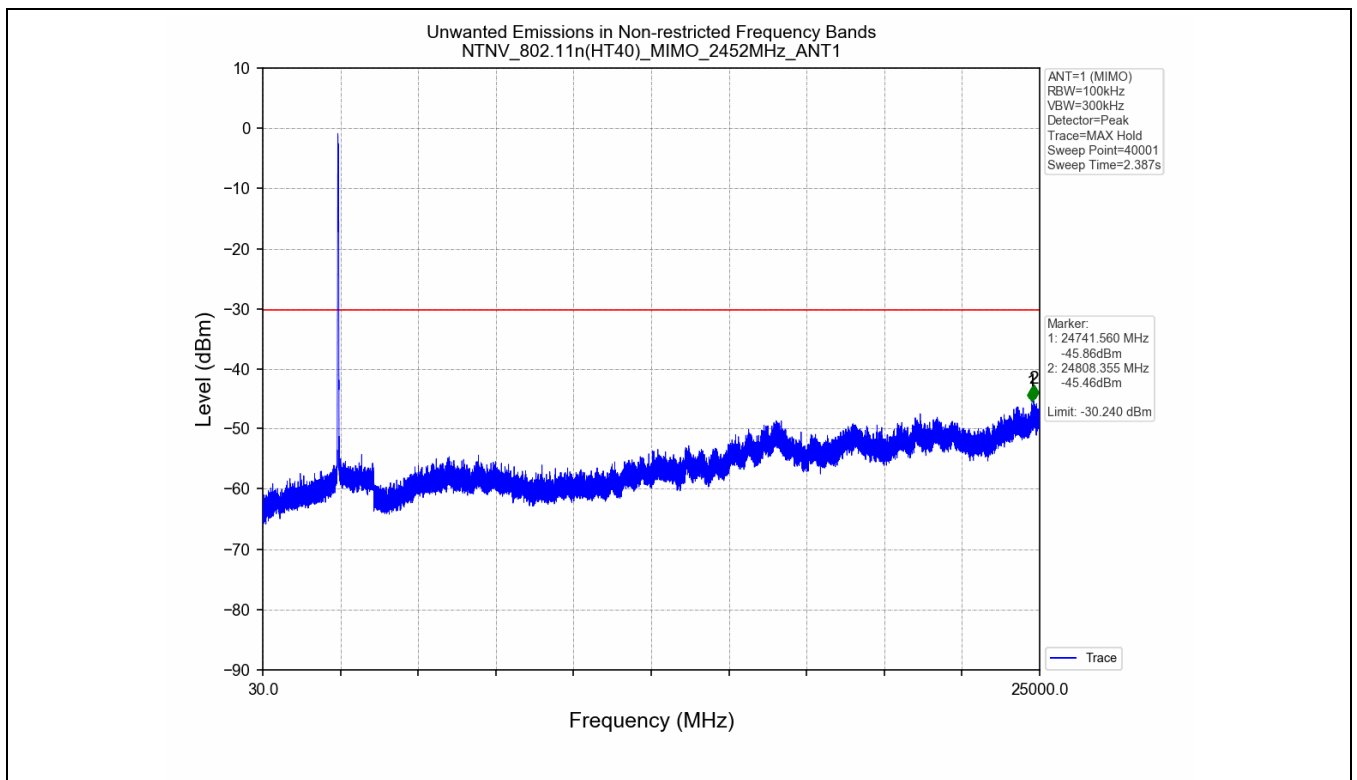
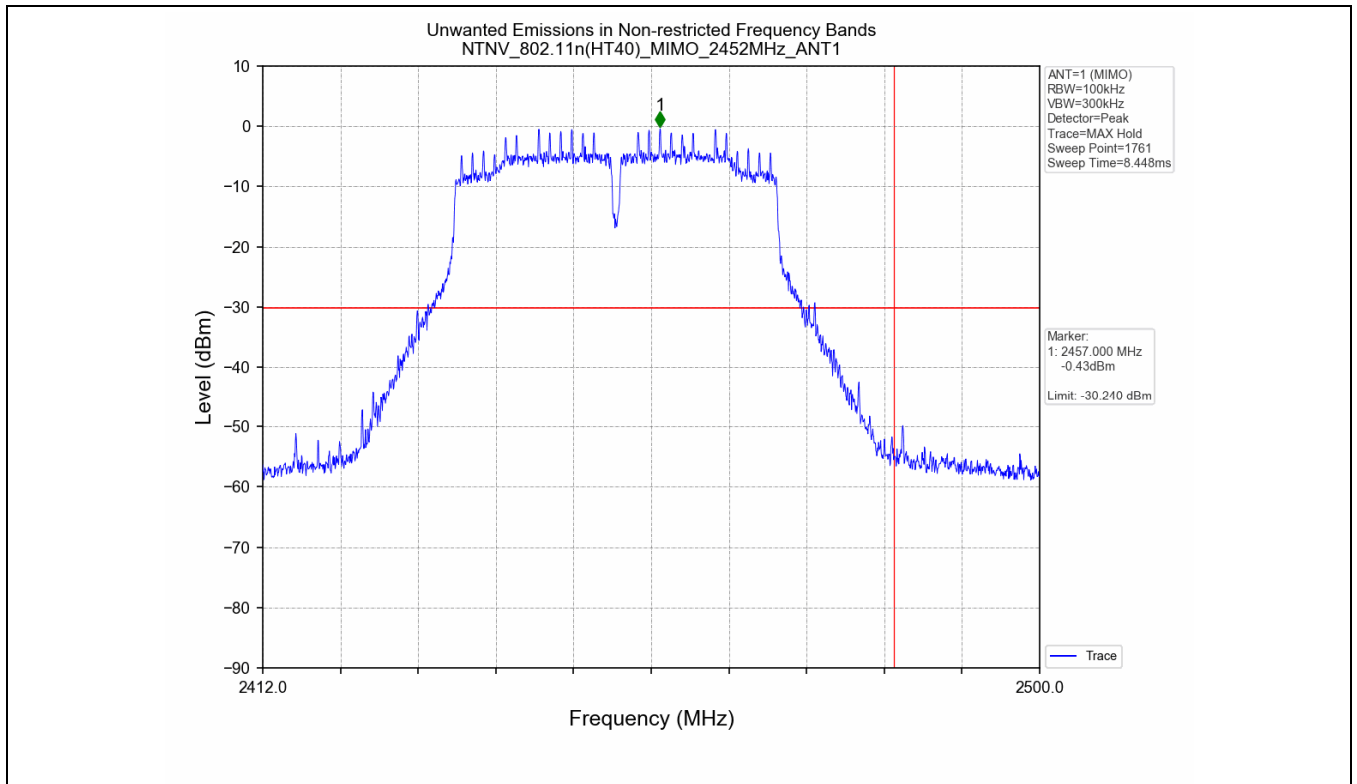


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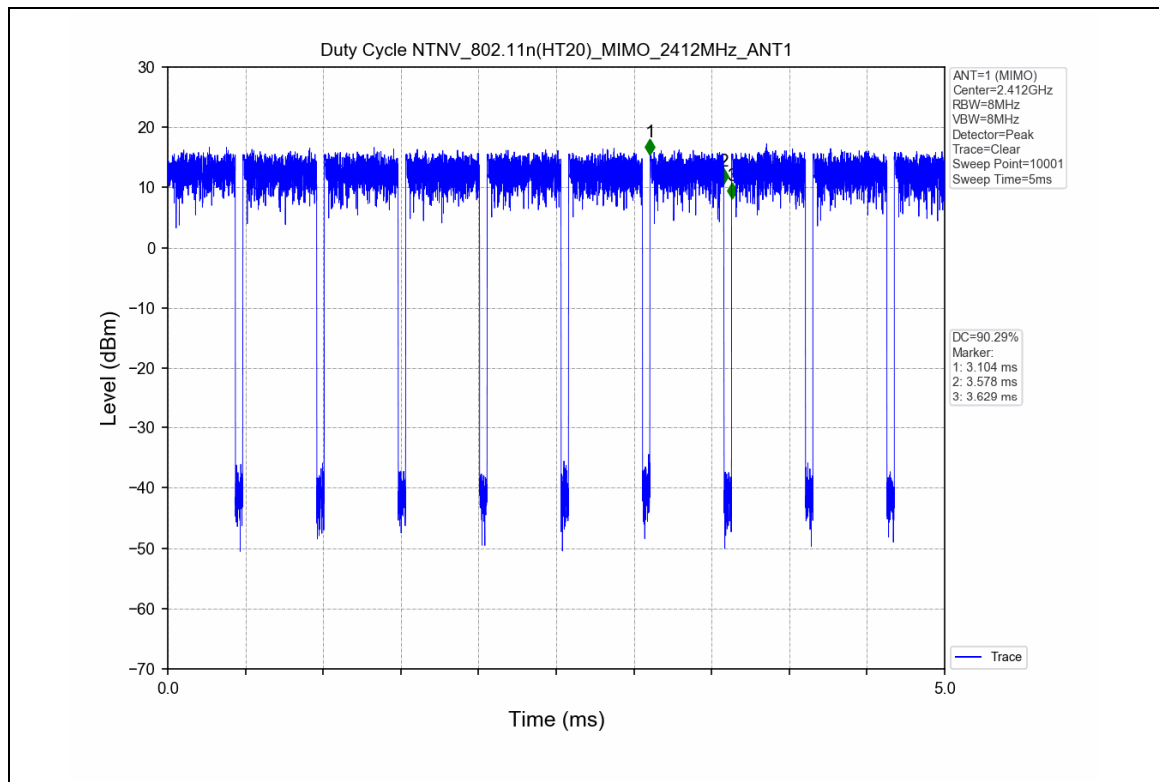
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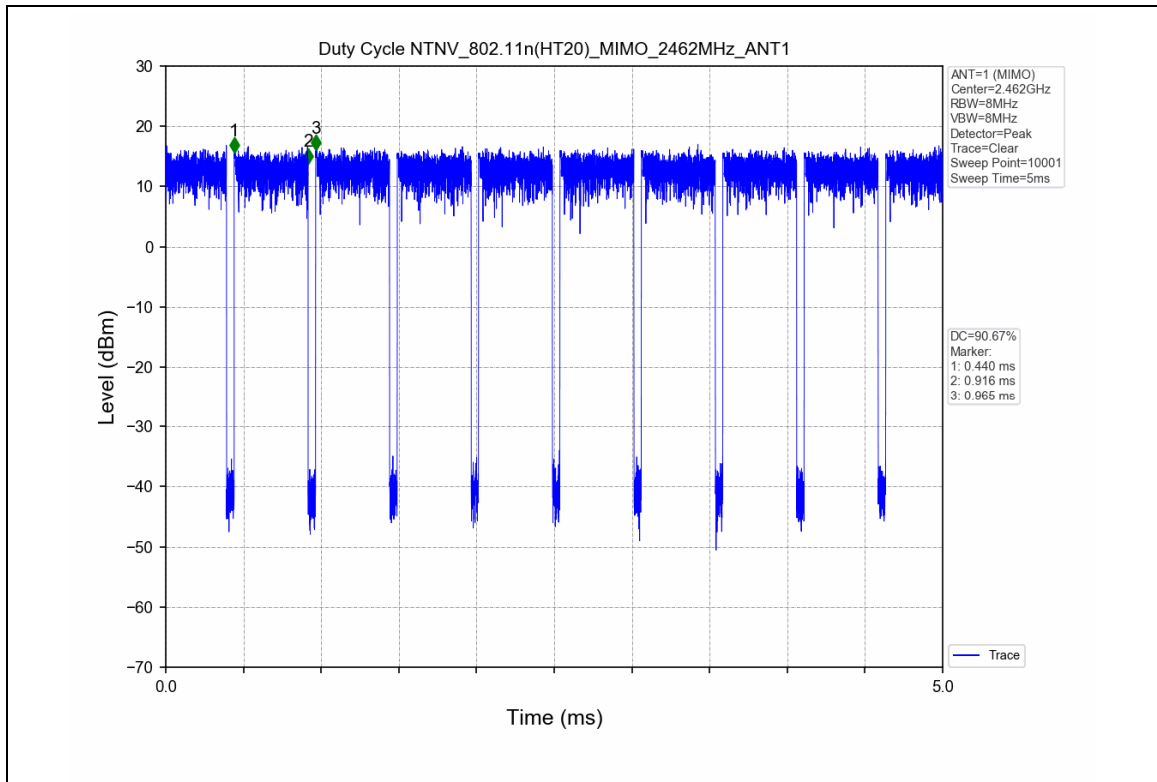
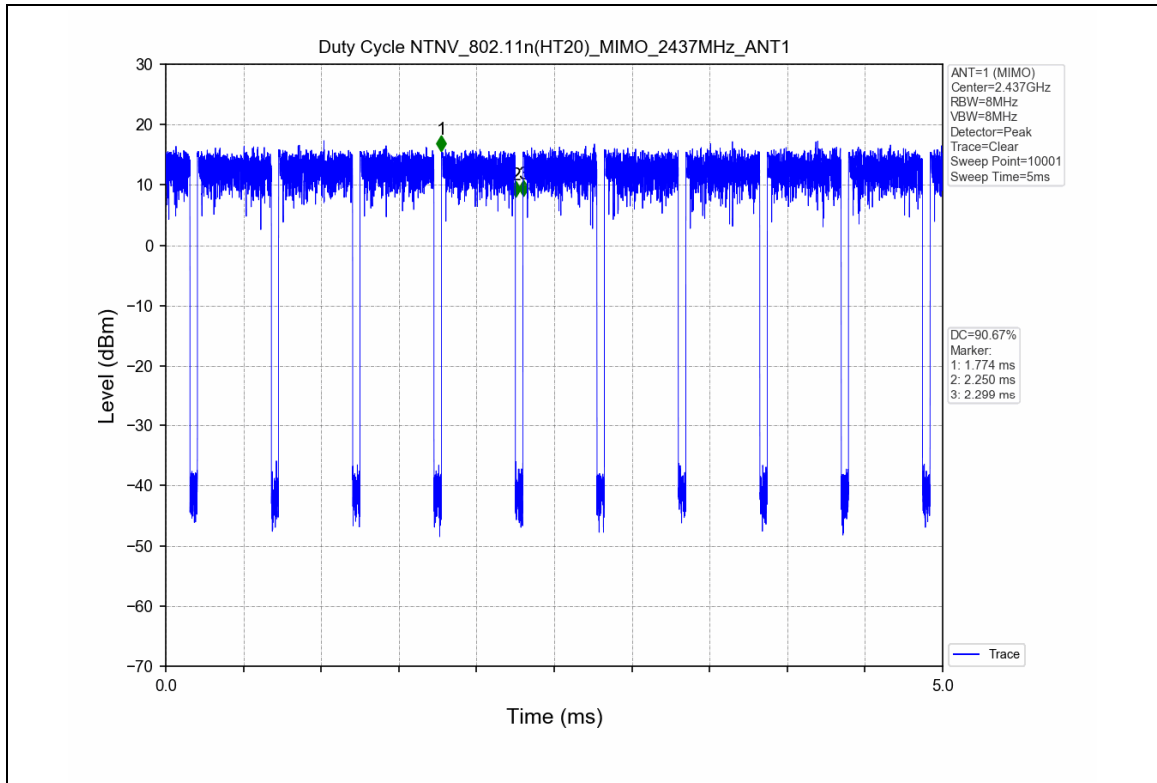
1. Duty Cycle

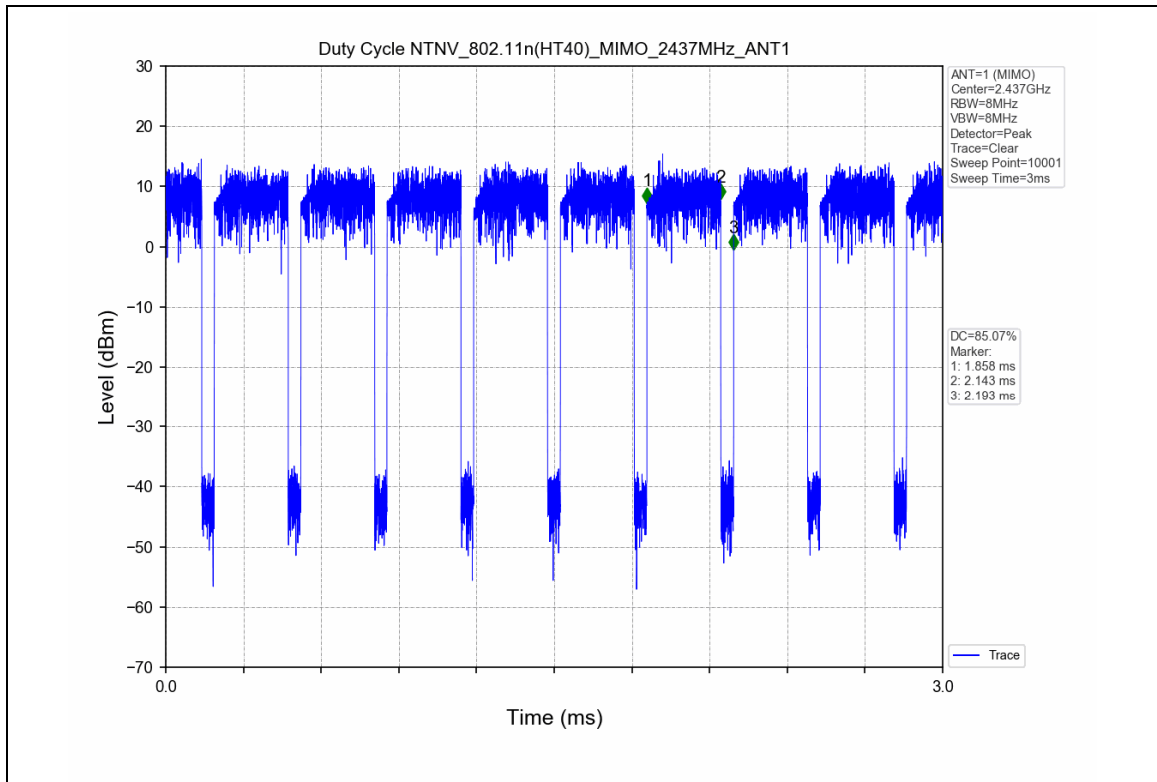
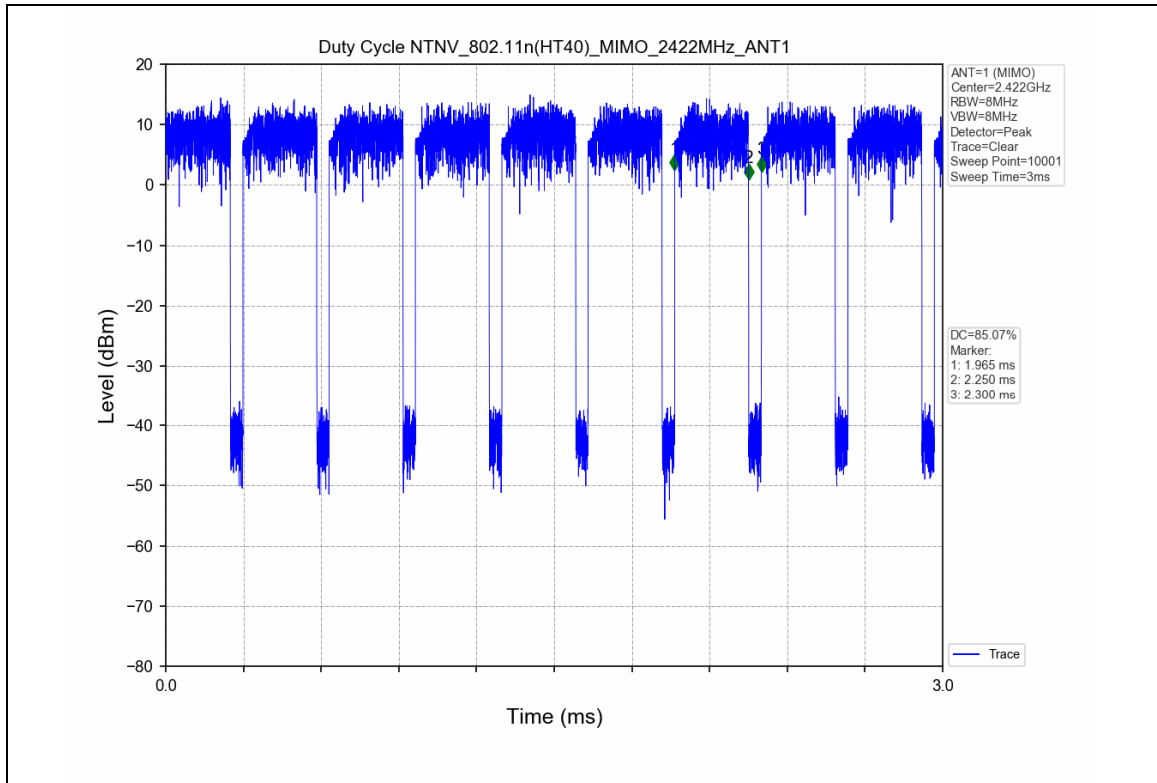
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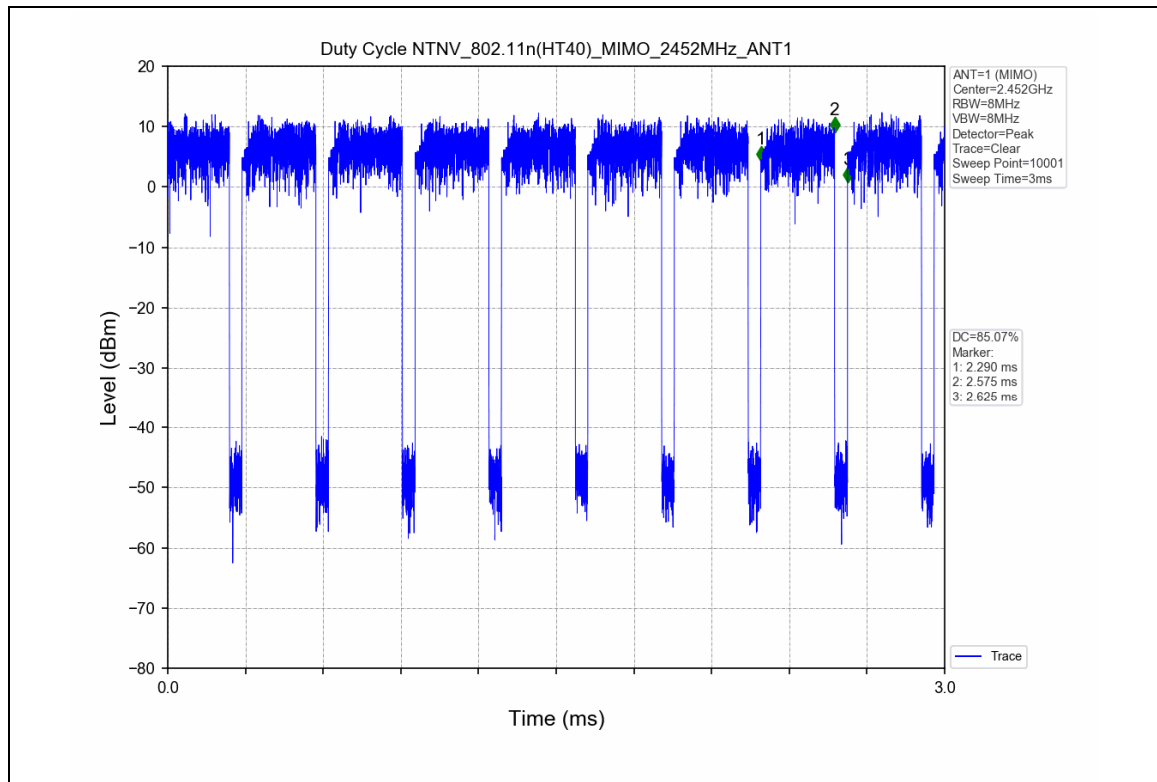
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11n(HT20)	2412	MIMO	1	0.474	0.525	90.29	0.44
	2437	MIMO	1	0.476	0.525	90.67	0.43
	2462	MIMO	1	0.476	0.525	90.67	0.43
802.11n(HT40)	2422	MIMO	1	0.285	0.335	85.07	0.70
	2437	MIMO	1	0.285	0.335	85.07	0.70
	2452	MIMO	1	0.285	0.335	85.07	0.70

1.2 Test Graph









2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11n(HT20)	2412	MIMO	1	15.880	≥0.5	PASS
	2437	MIMO	1	15.954	≥0.5	PASS
	2462	MIMO	1	17.031	≥0.5	PASS
802.11n(HT40)	2422	MIMO	1	35.187	≥0.5	PASS
	2437	MIMO	1	35.177	≥0.5	PASS
	2452	MIMO	1	35.187	≥0.5	PASS

2.2 Test Graph - 6dB Bandwidth

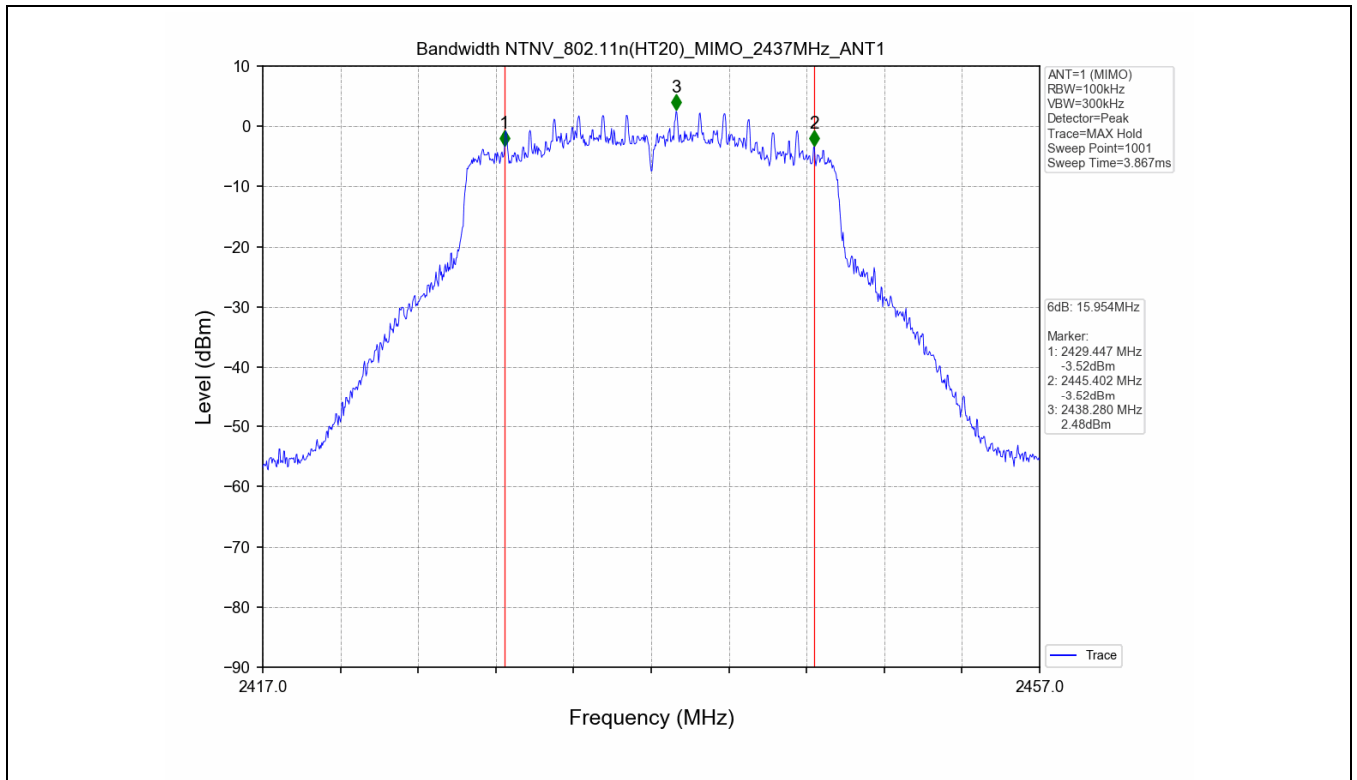
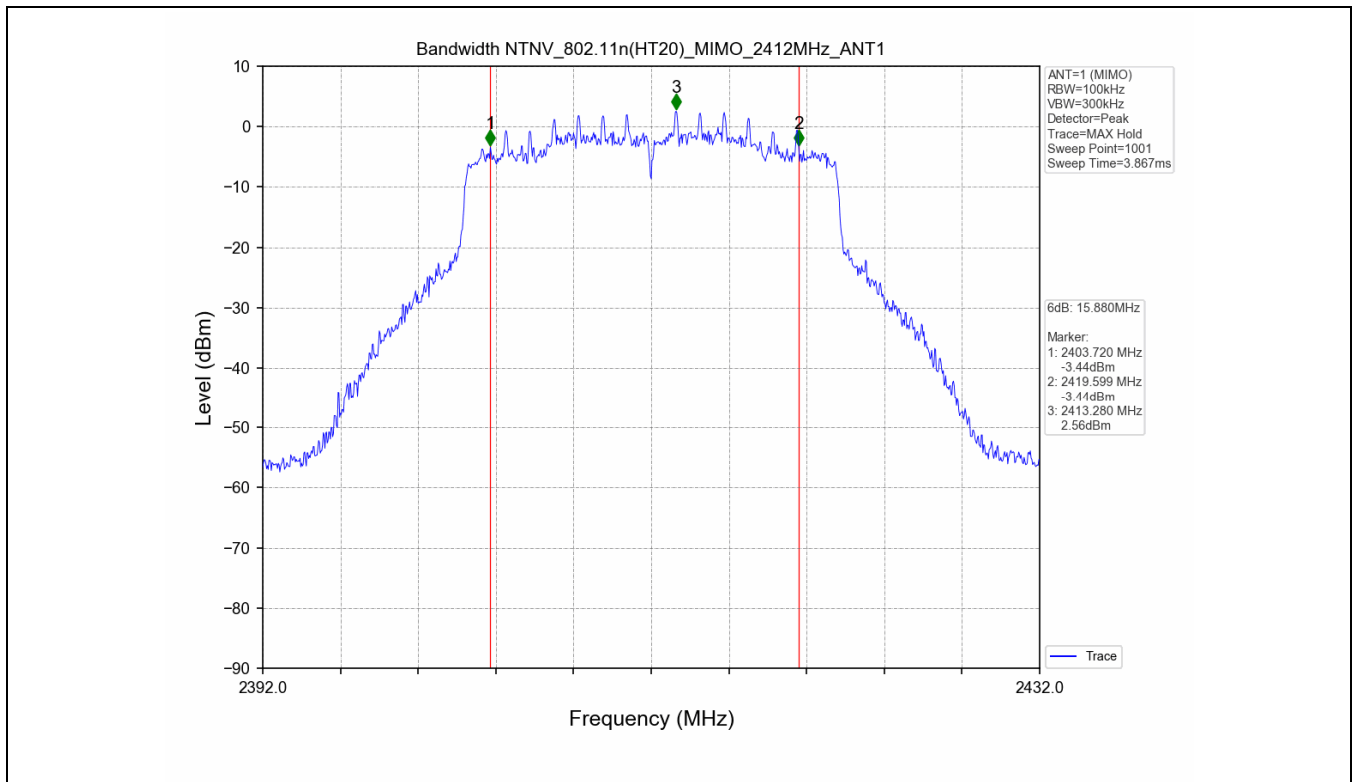


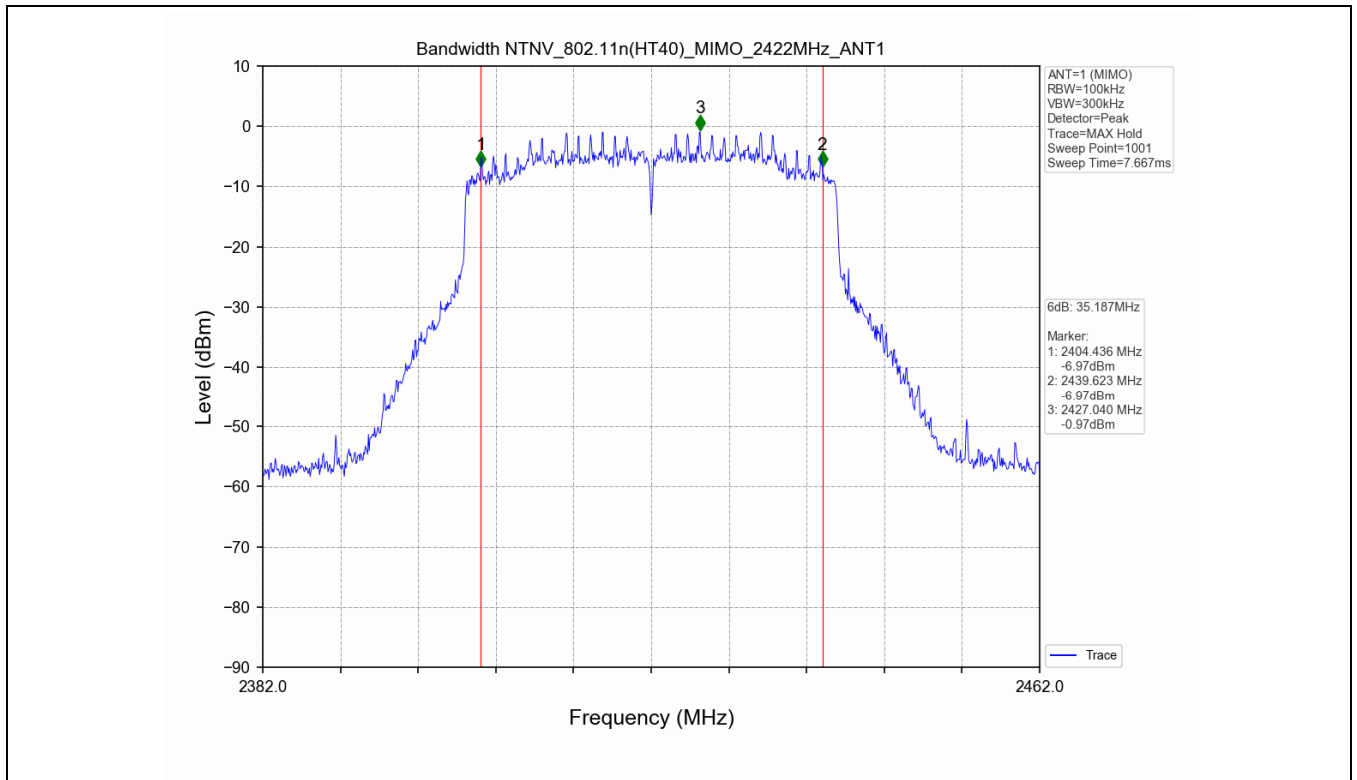
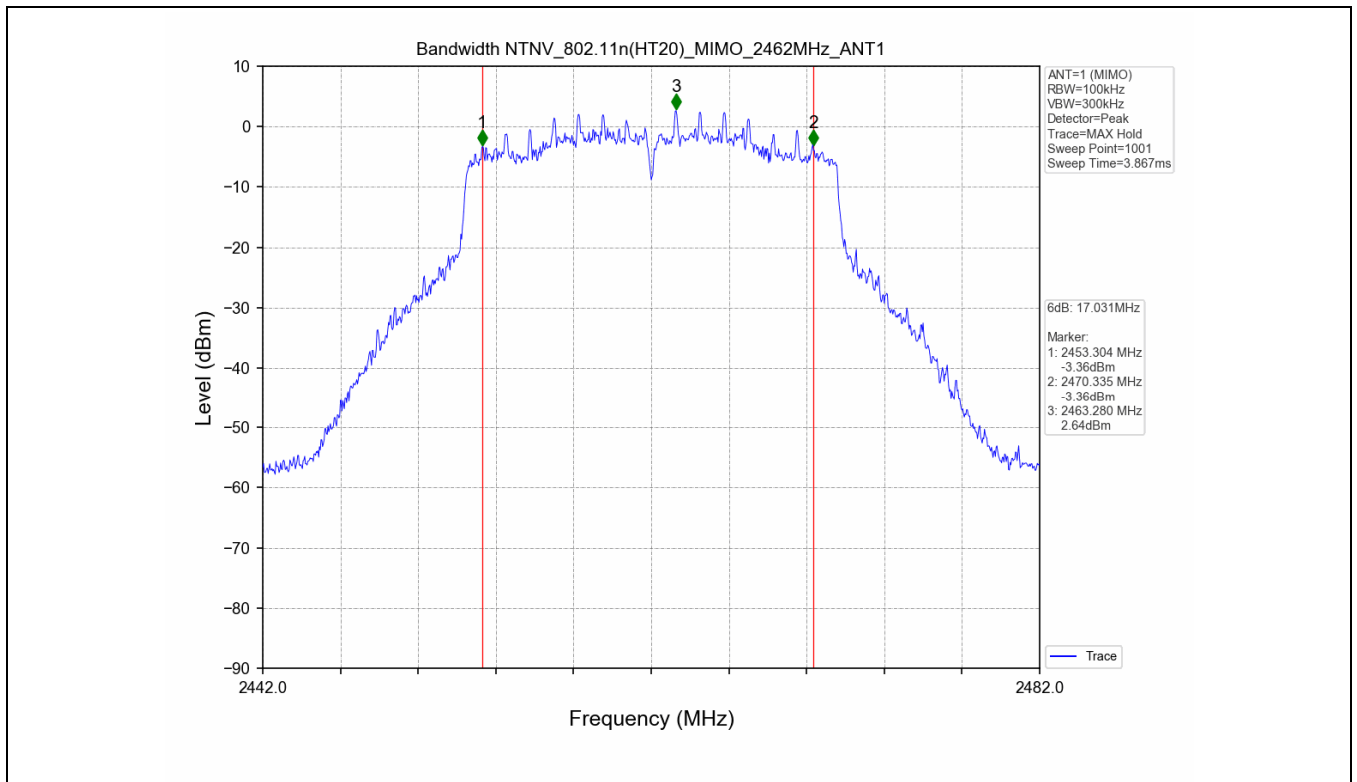
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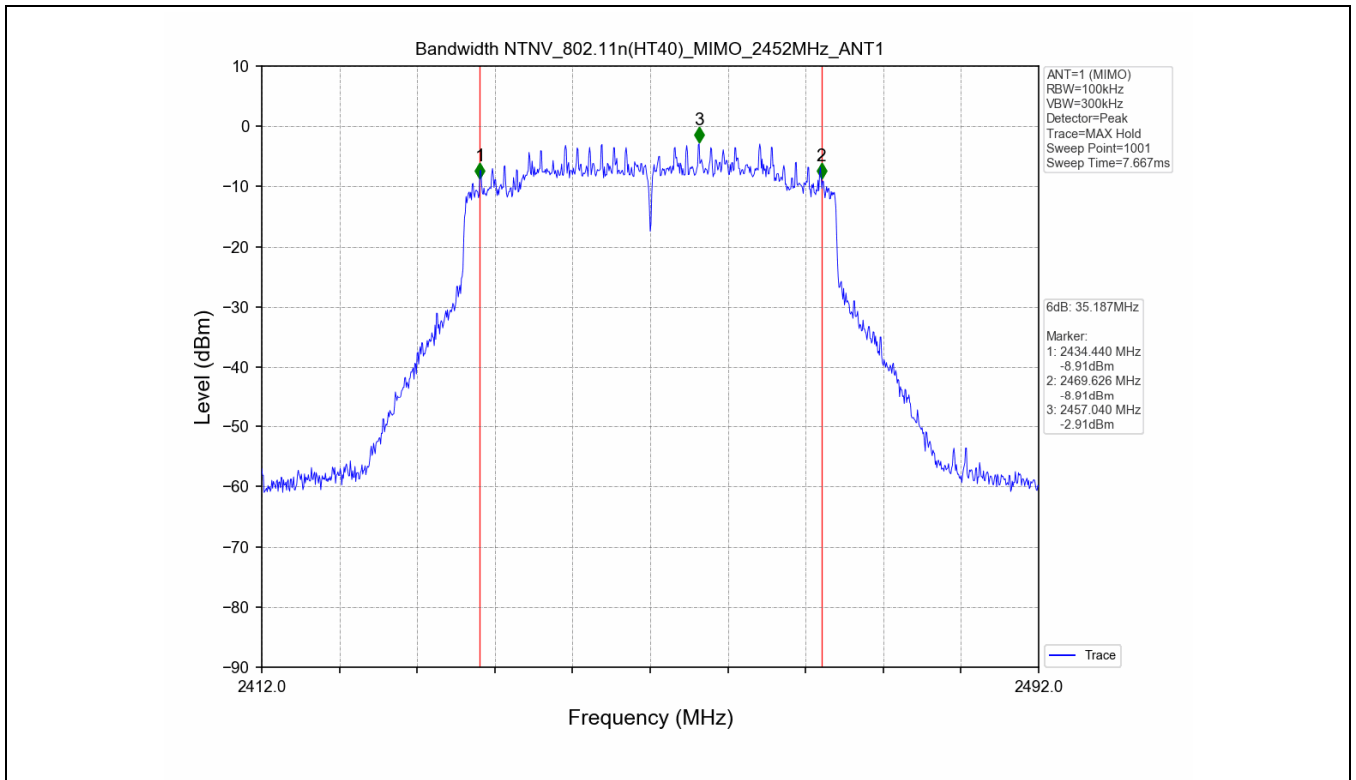
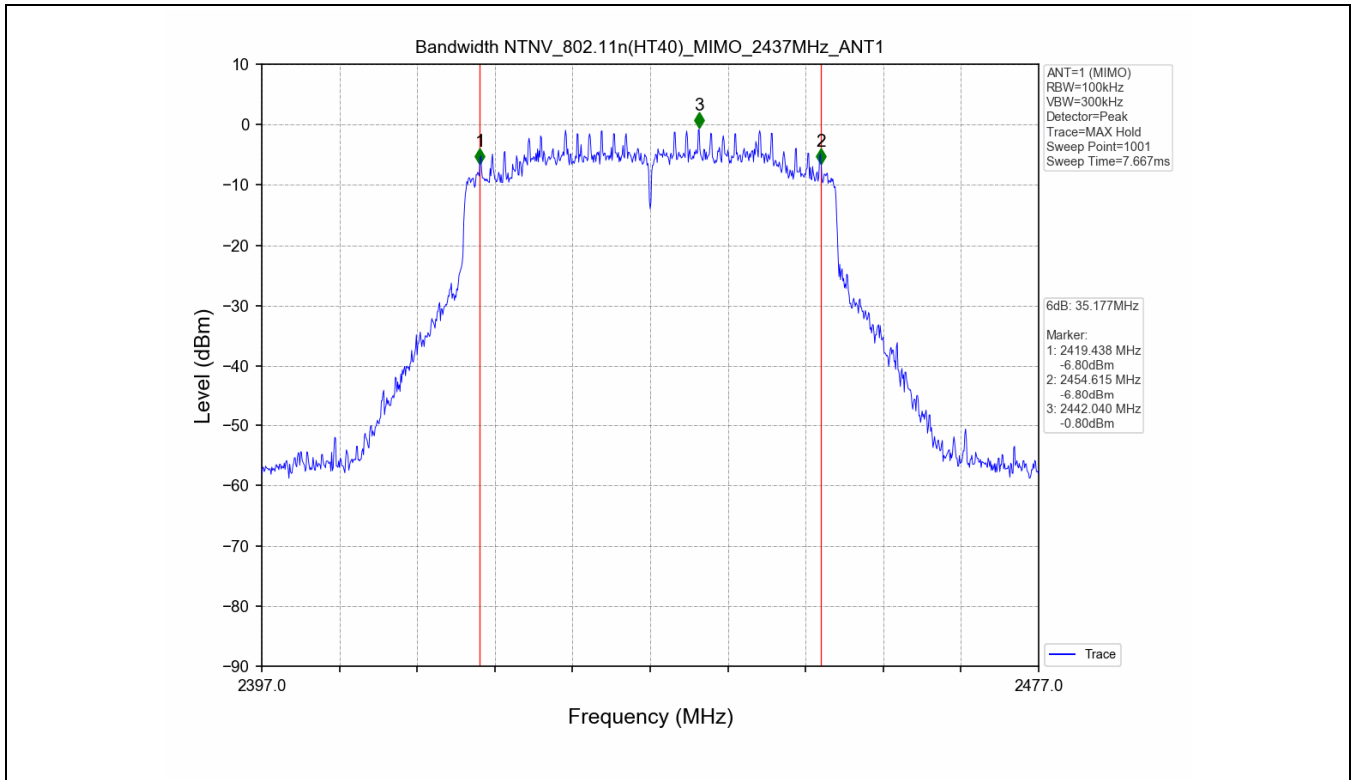
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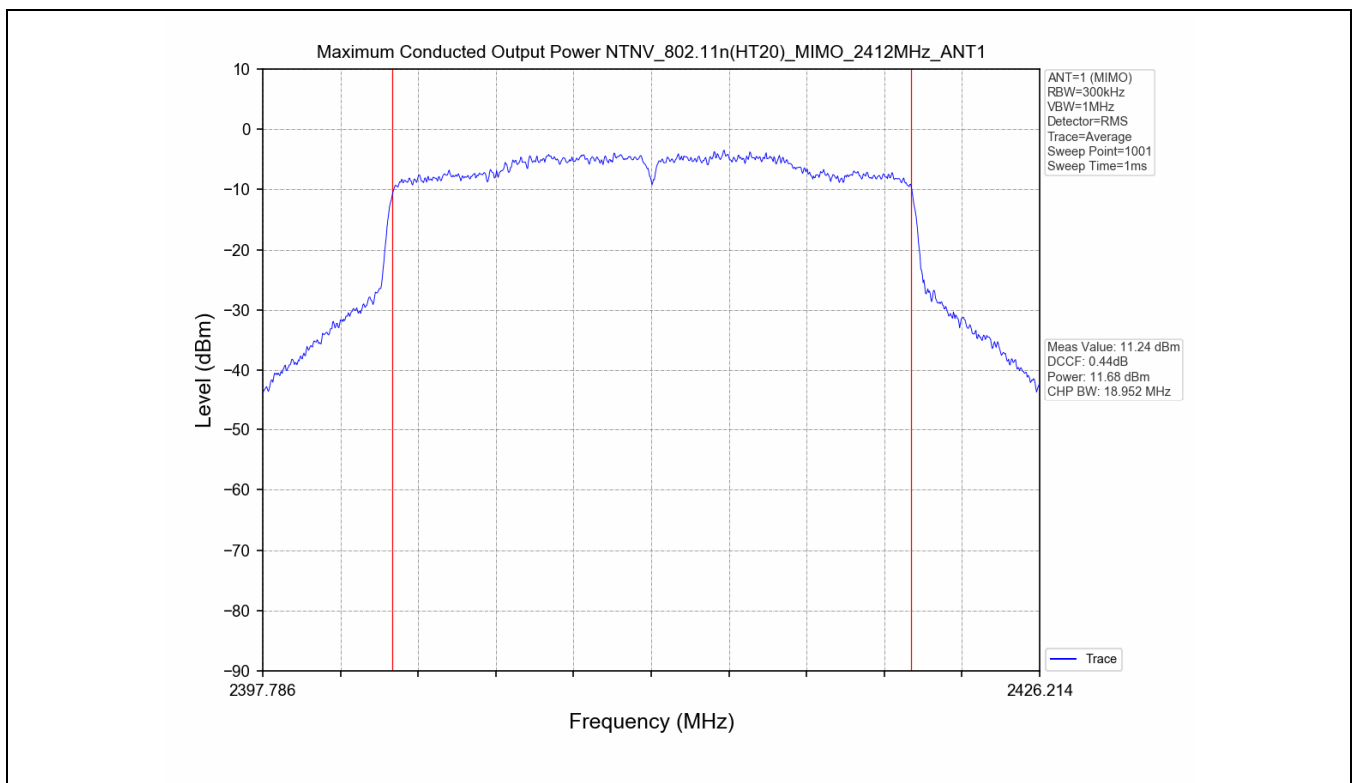


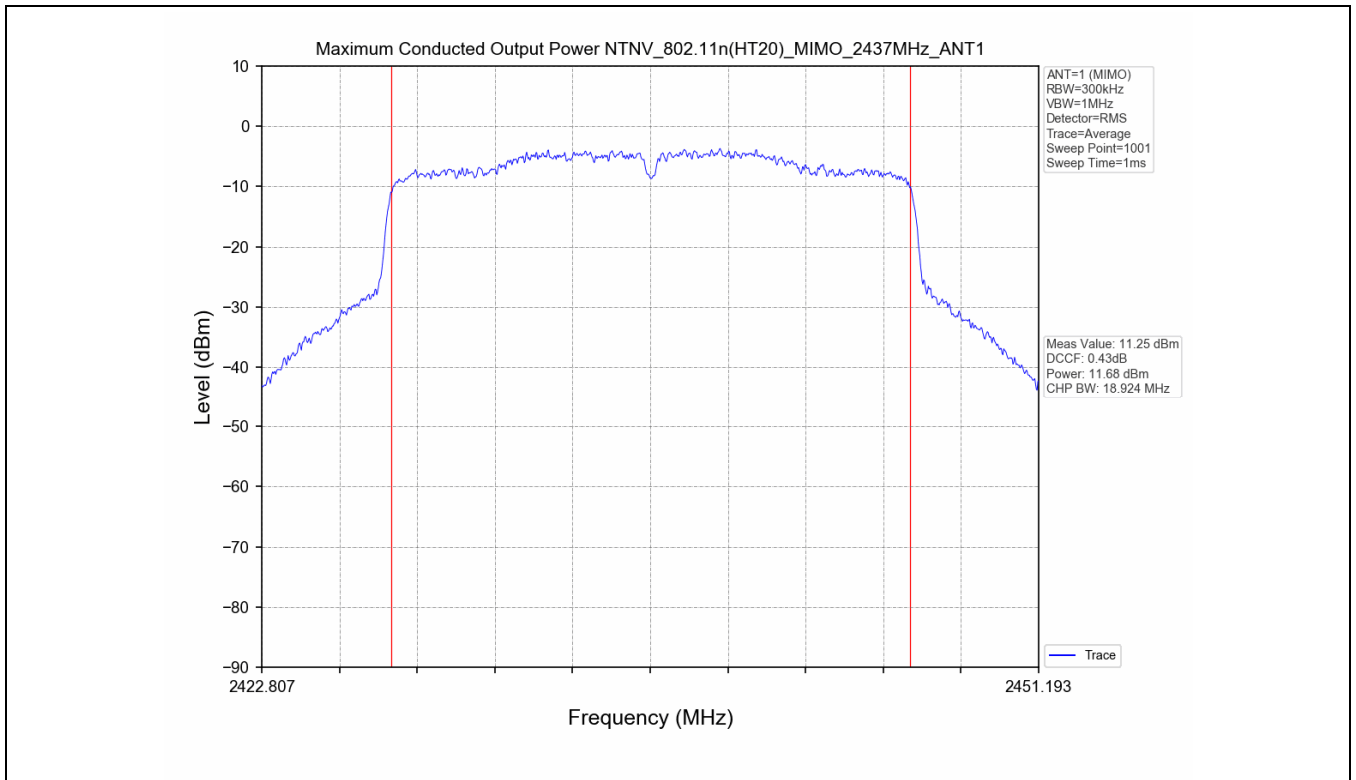
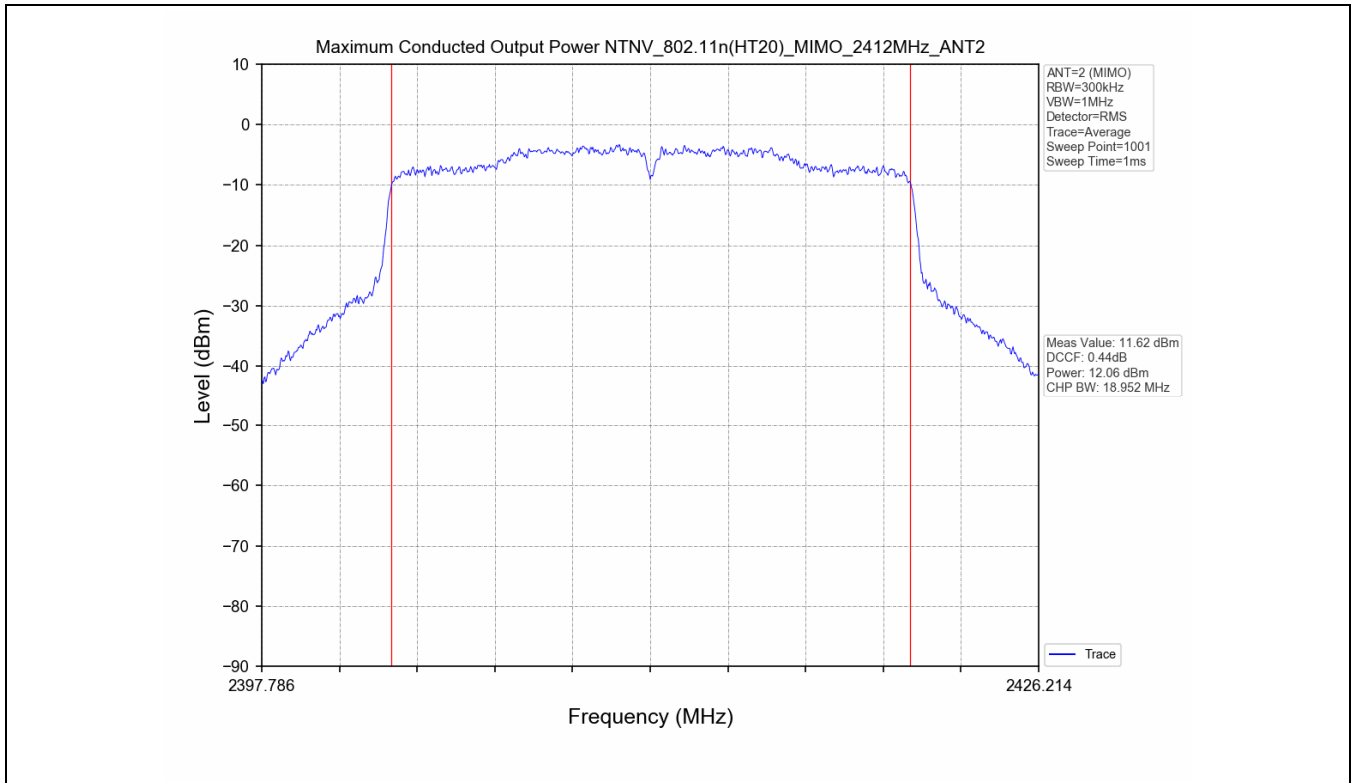
3. Maximum Conducted Output Power

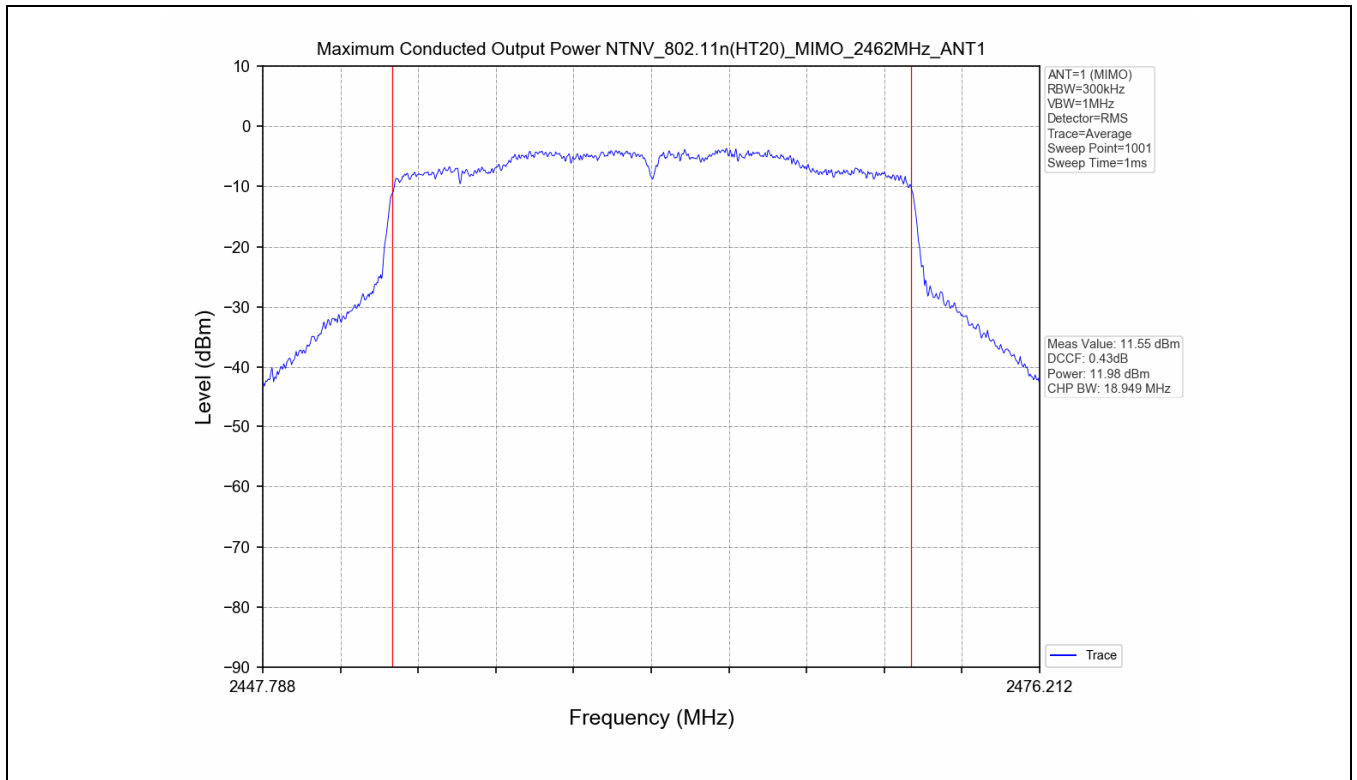
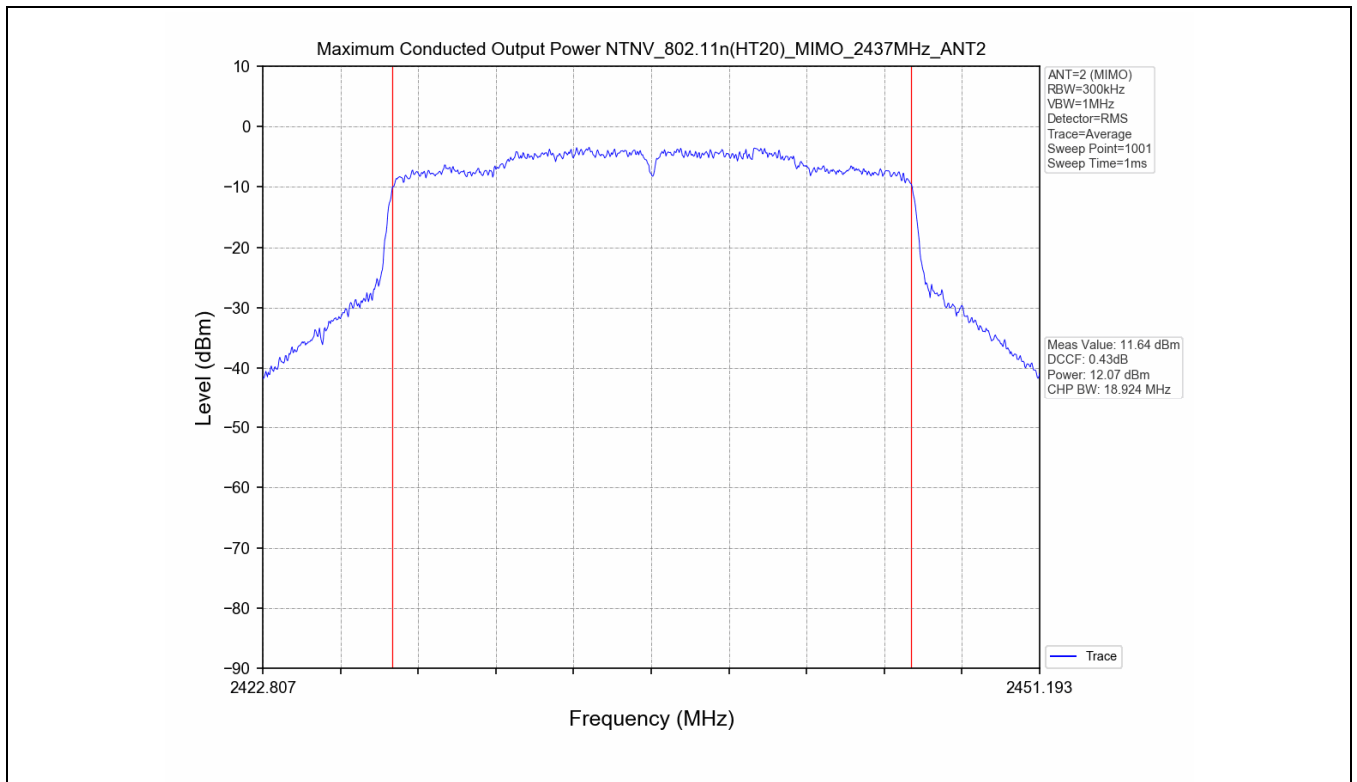
3.1 Test Result

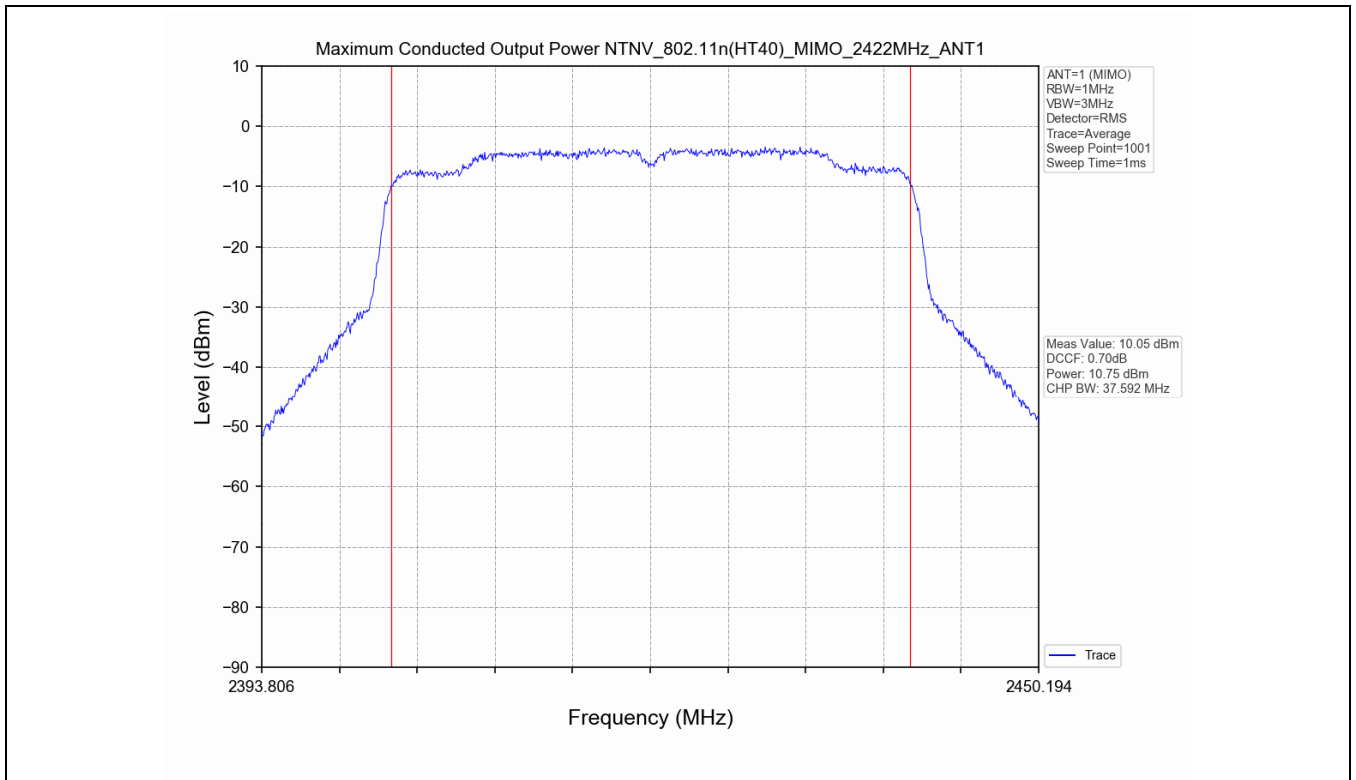
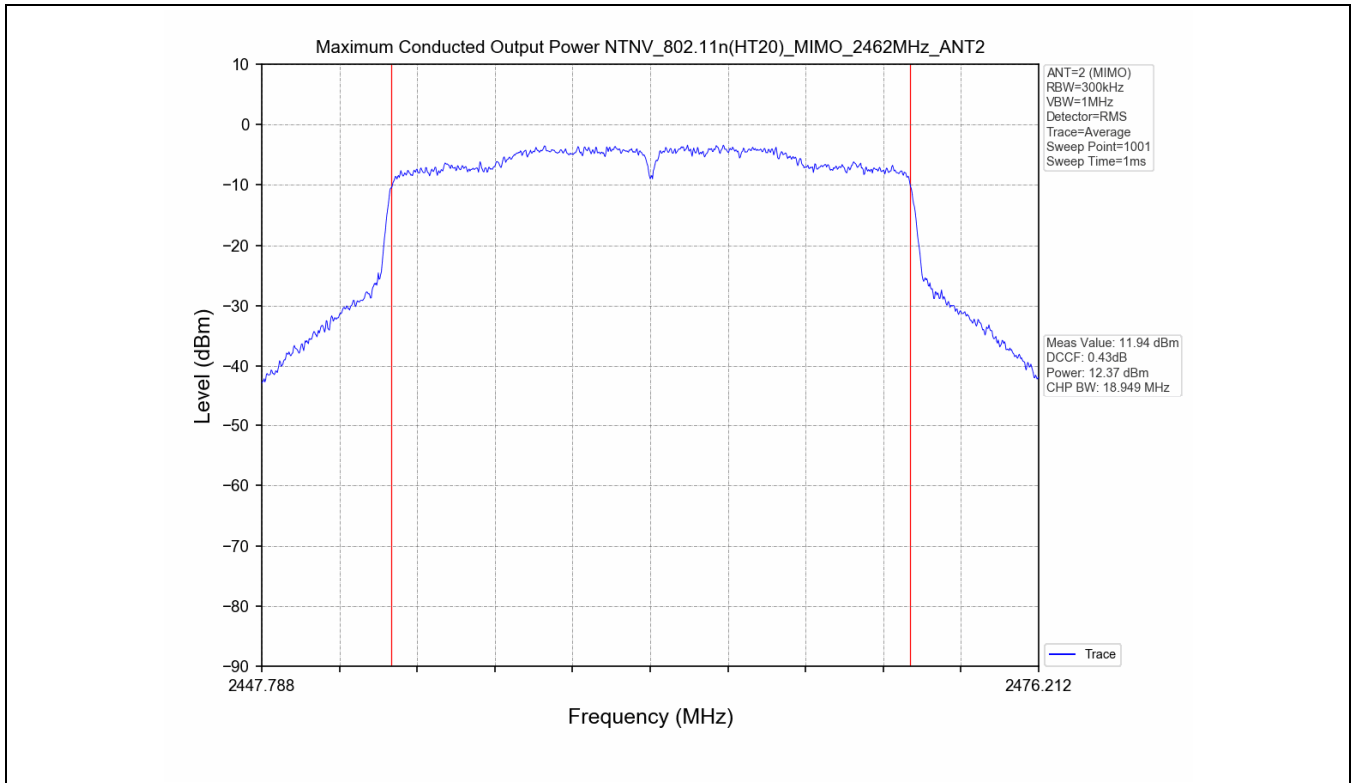
Test Mode	Frequency (MHz)	Tx Type	Measured Average Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11n(HT20)	2412	MIMO	11.68	12.06	14.88	30	PASS
	2437	MIMO	11.68	12.07	14.89	30	PASS
	2462	MIMO	11.98	12.37	15.19	30	PASS
802.11n(HT40)	2422	MIMO	10.75	12.59	14.78	30	PASS
	2437	MIMO	12.15	12.73	15.46	30	PASS
	2452	MIMO	12.13	12.82	15.50	30	PASS

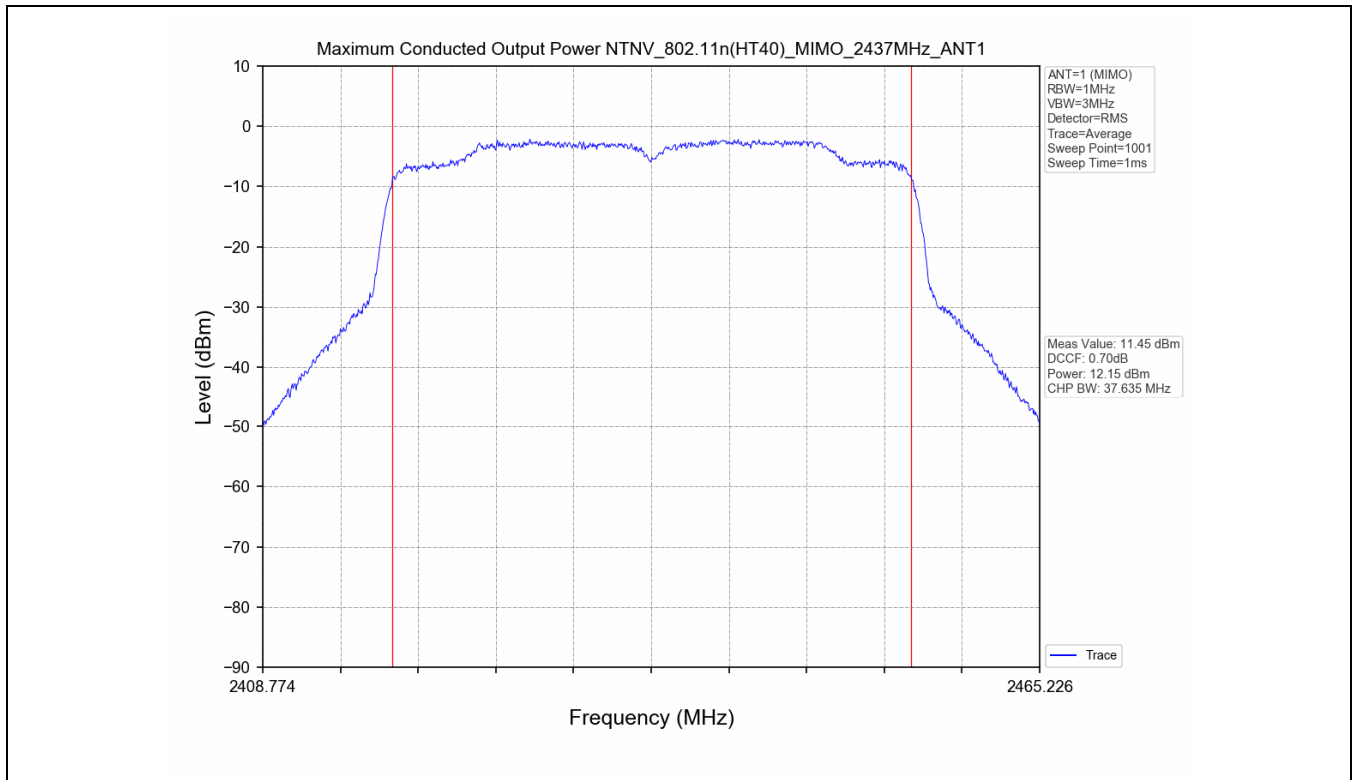
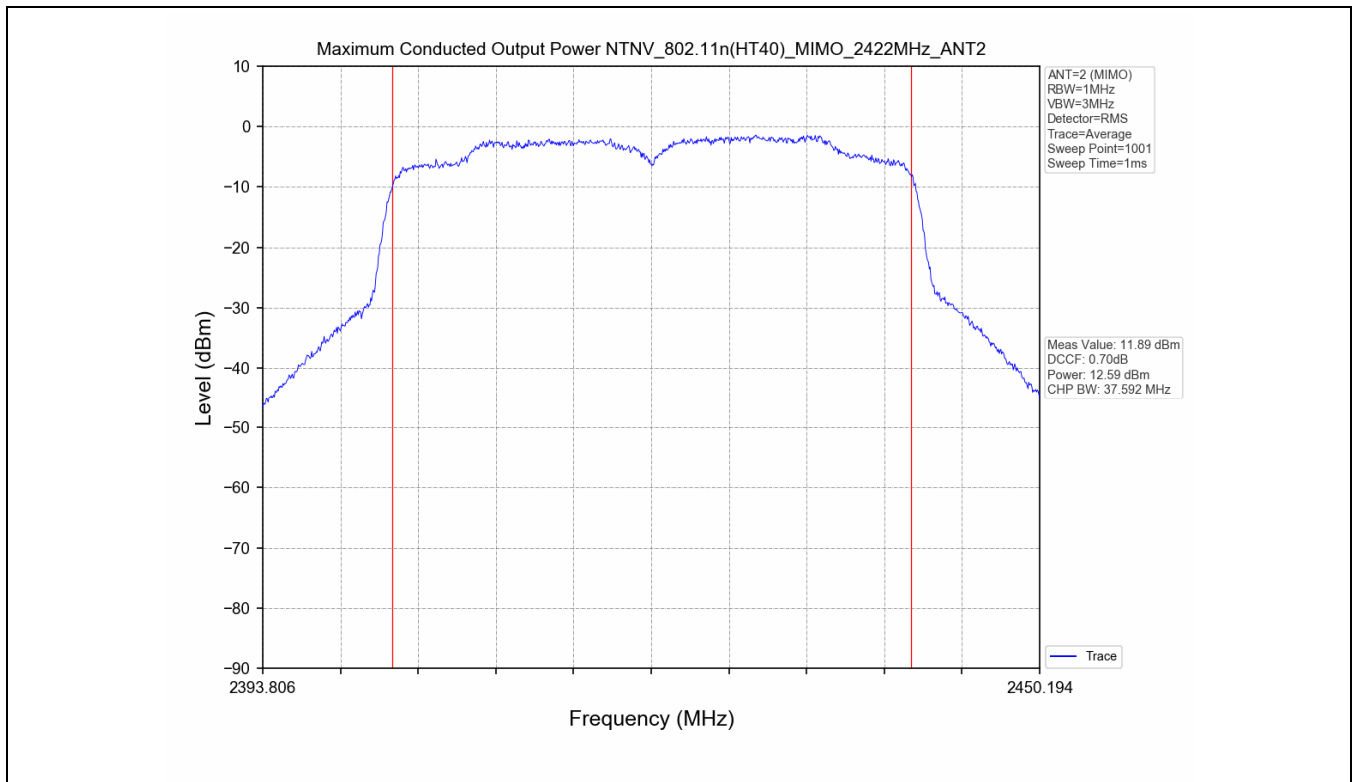
3.2 Test Graph

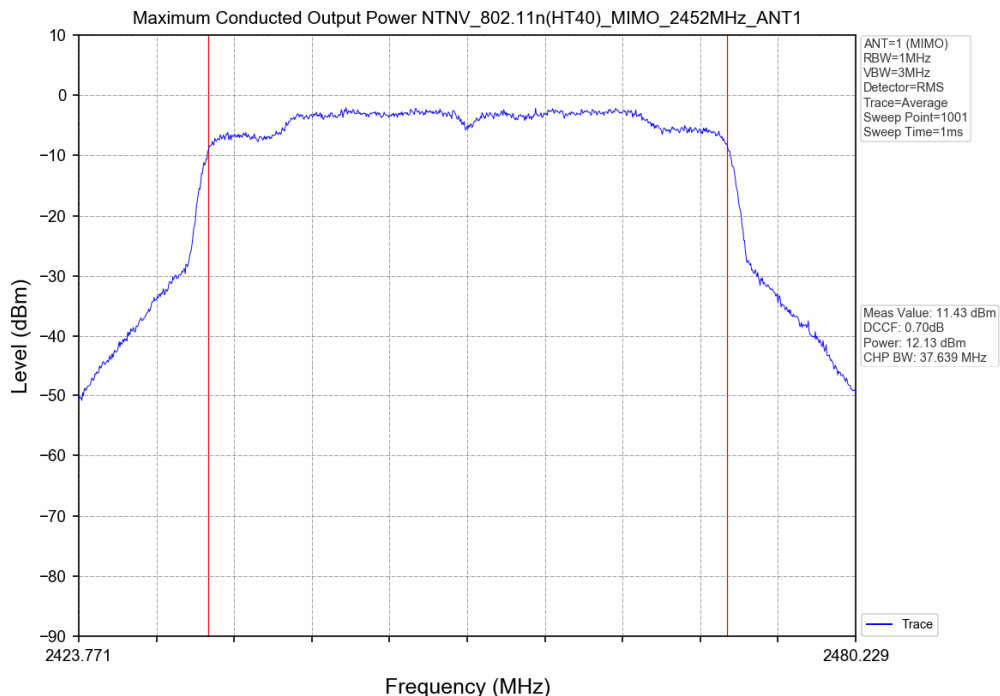
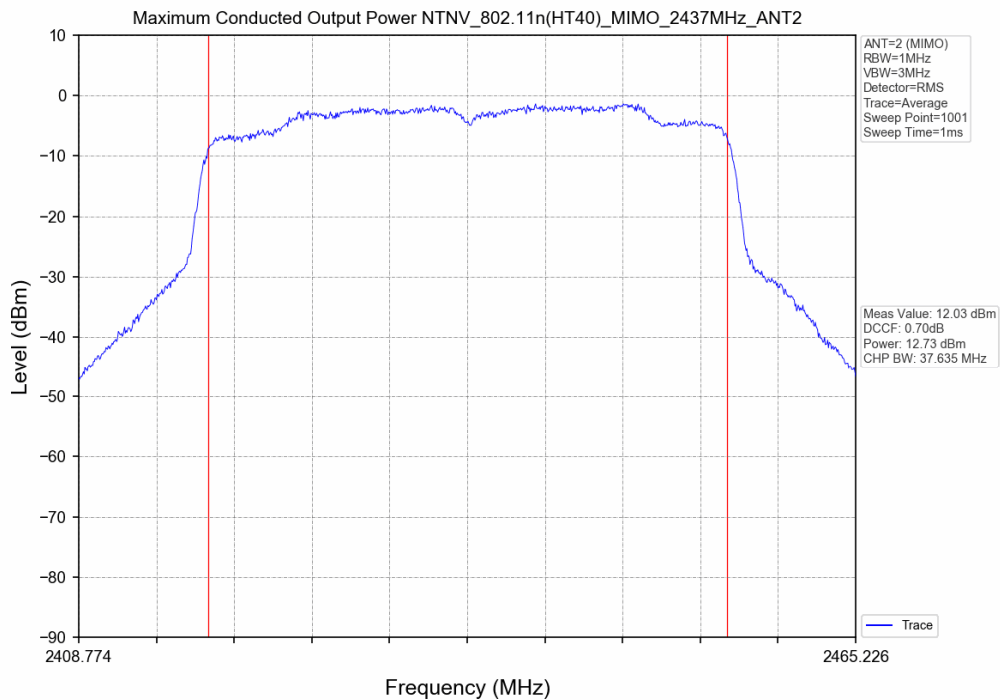






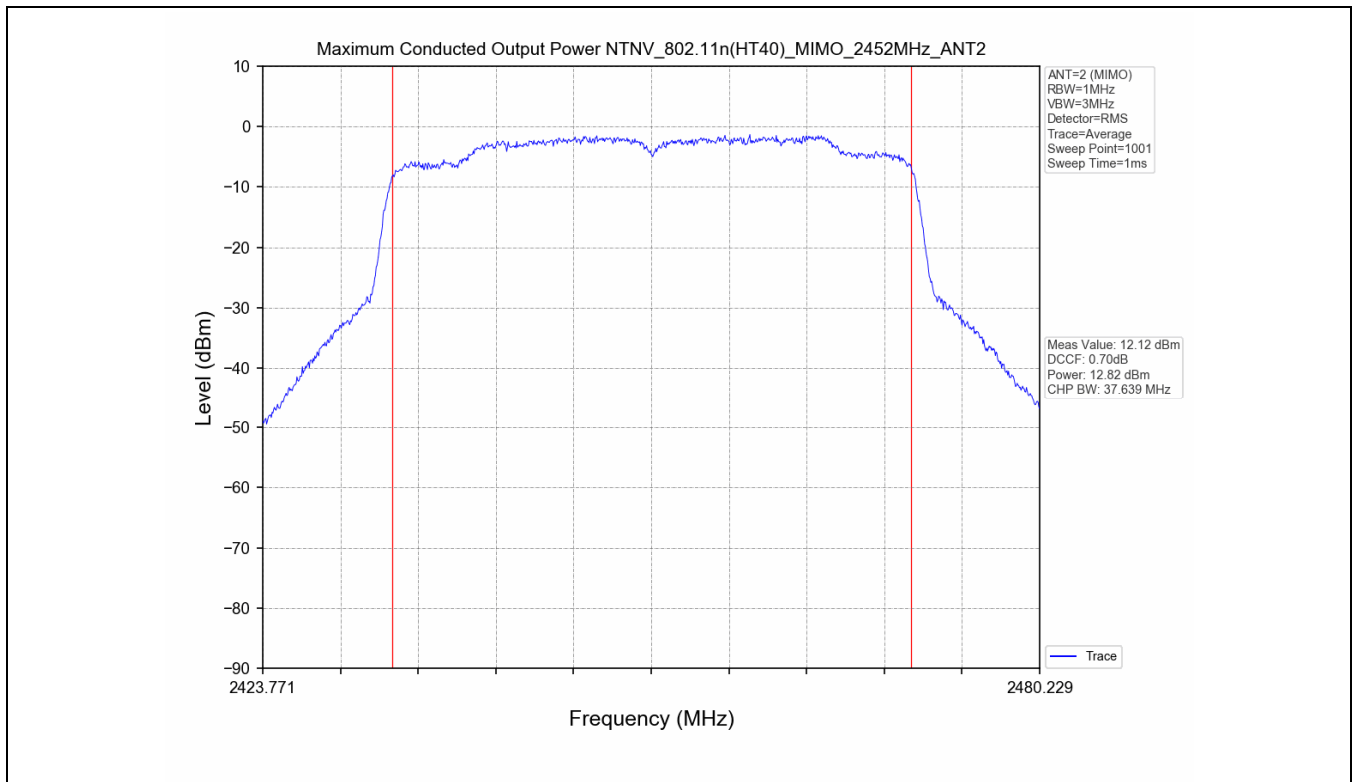






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4. Maximum Power Spectral Density (PSD)

4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11n(HT20)	2412	MIMO	-13.29	-11.54	-10.56	≤8	PASS
	2437	MIMO	-13.20	-11.69	-10.67	≤8	PASS
	2462	MIMO	-12.79	-12.07	-9.76	≤8	PASS
802.11n(HT40)	2422	MIMO	-16.07	-16.08	-13.88	≤8	PASS
	2437	MIMO	-16.30	-15.58	-12.92	≤8	PASS
	2452	MIMO	-16.42	-15.78	-13.41	≤8	PASS

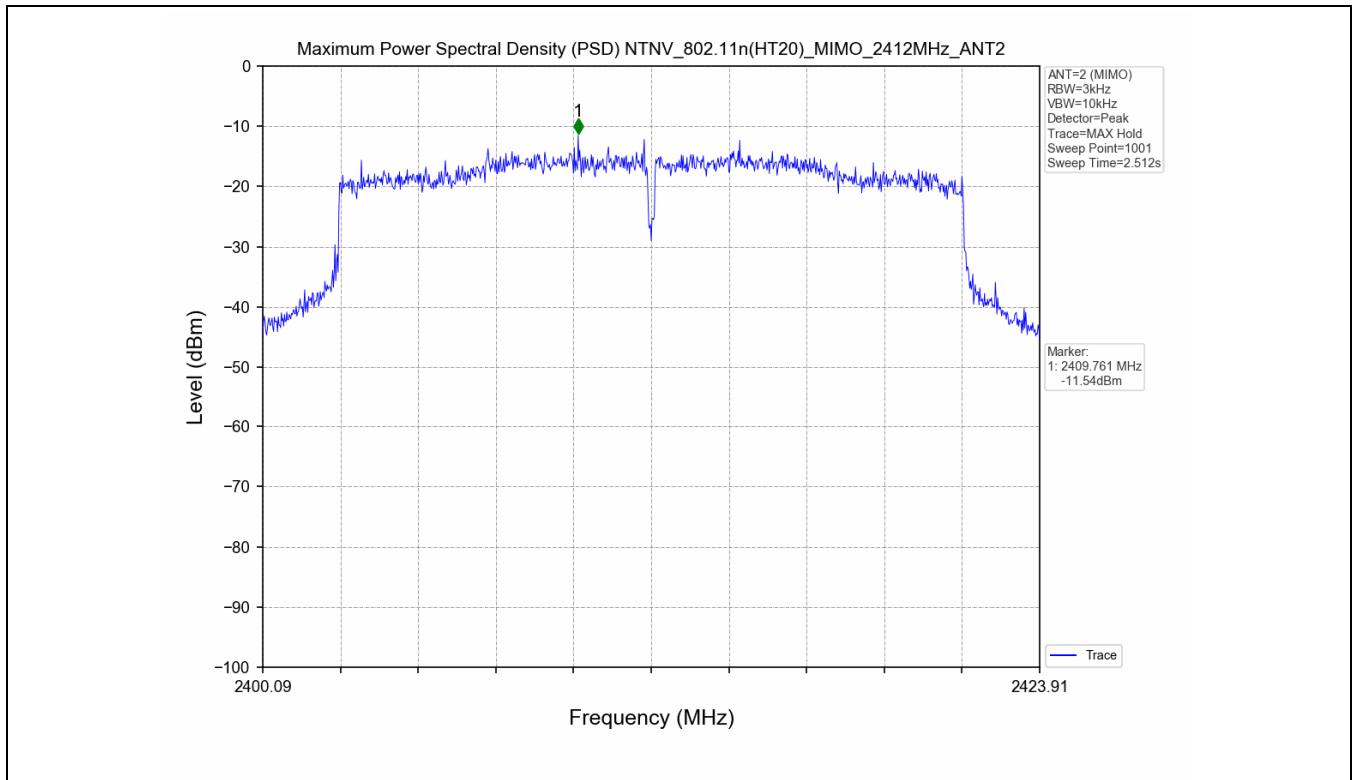
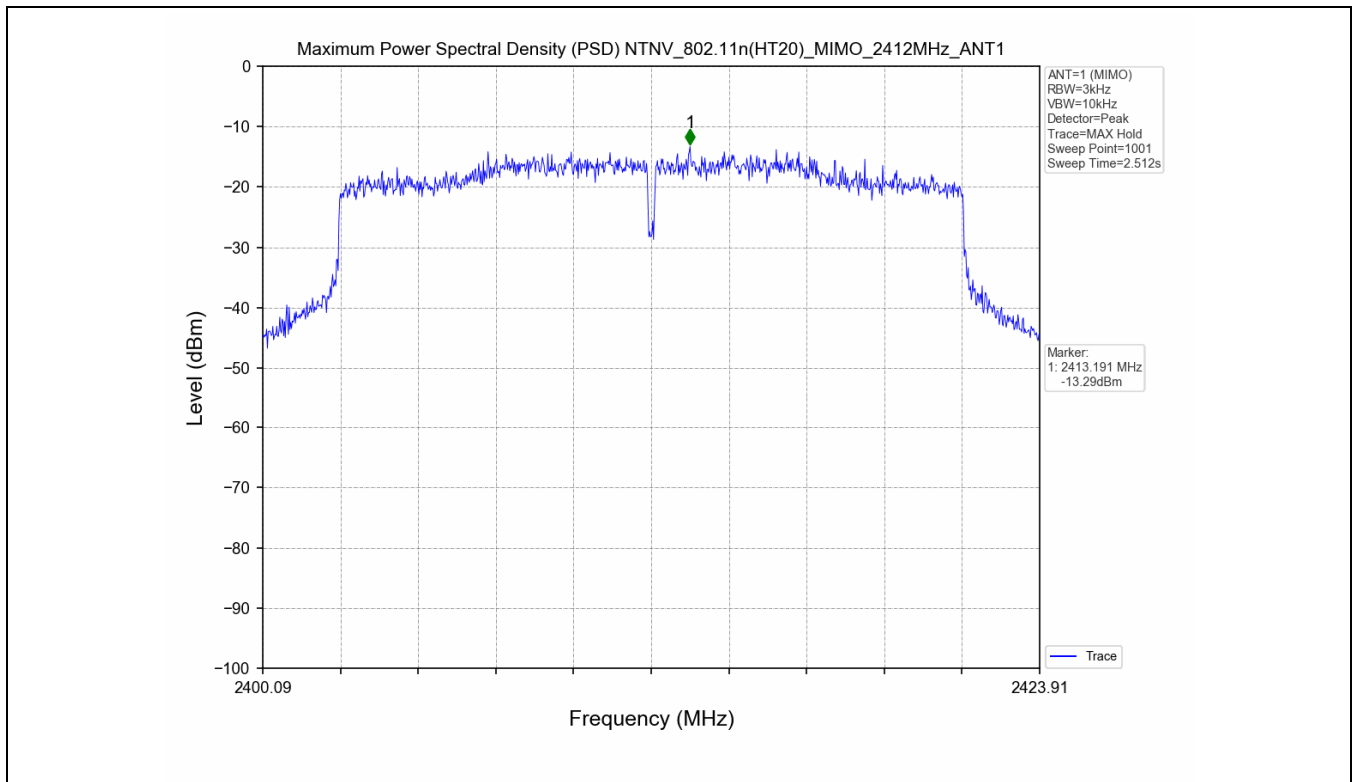
4.2 Test Graph

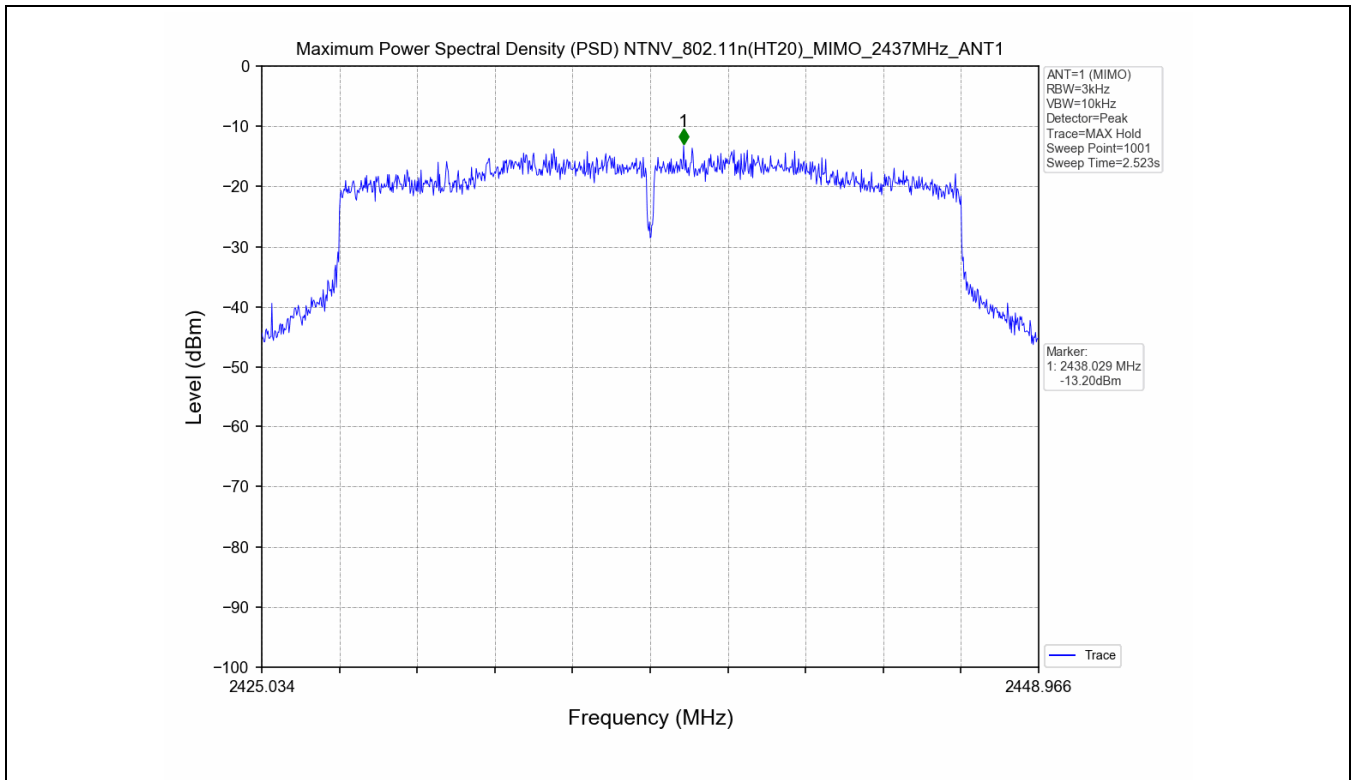
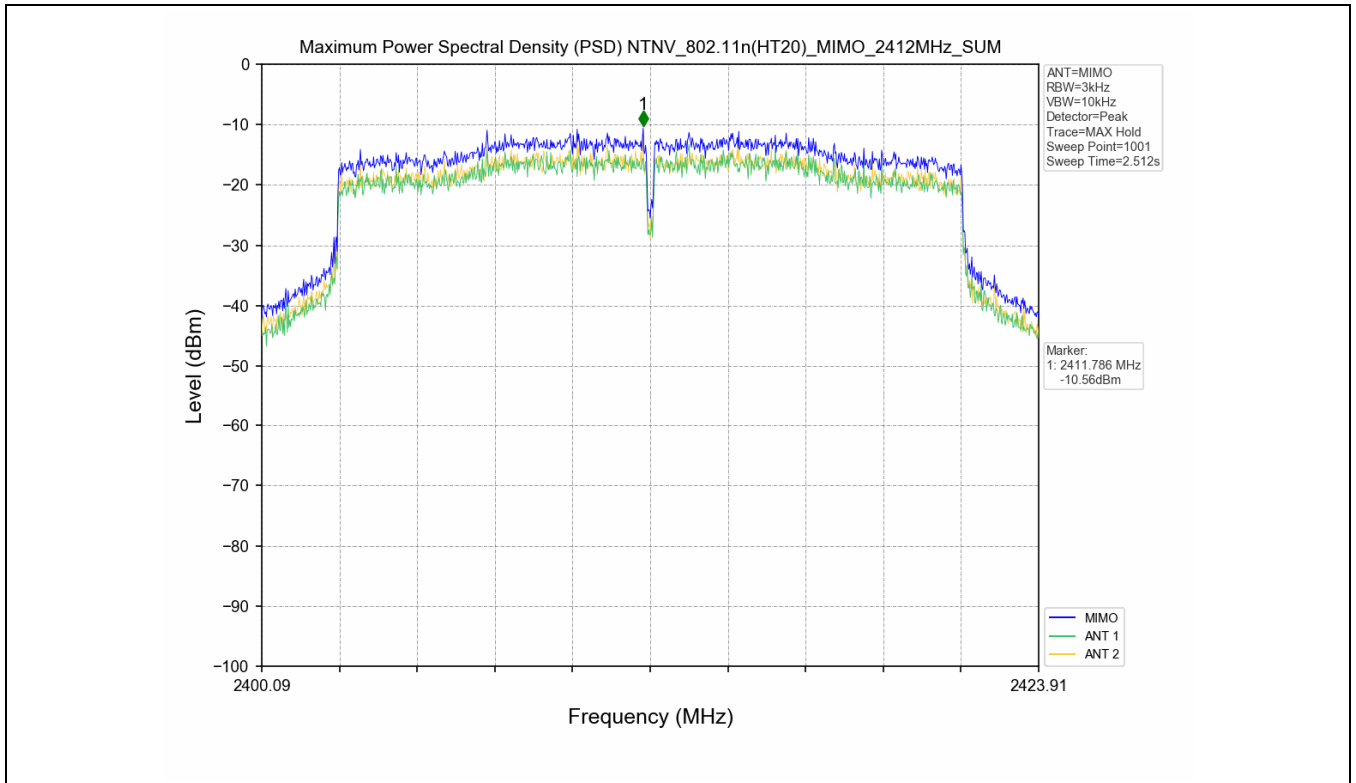


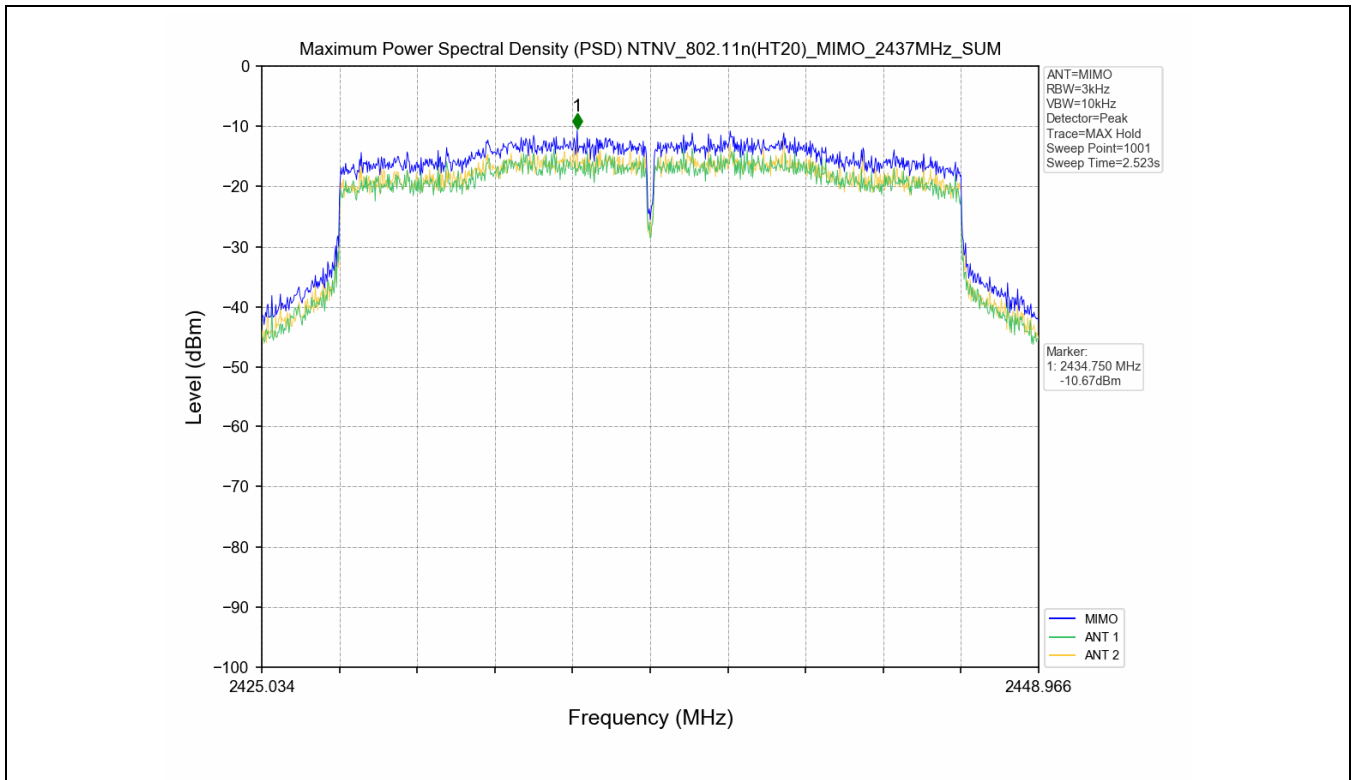
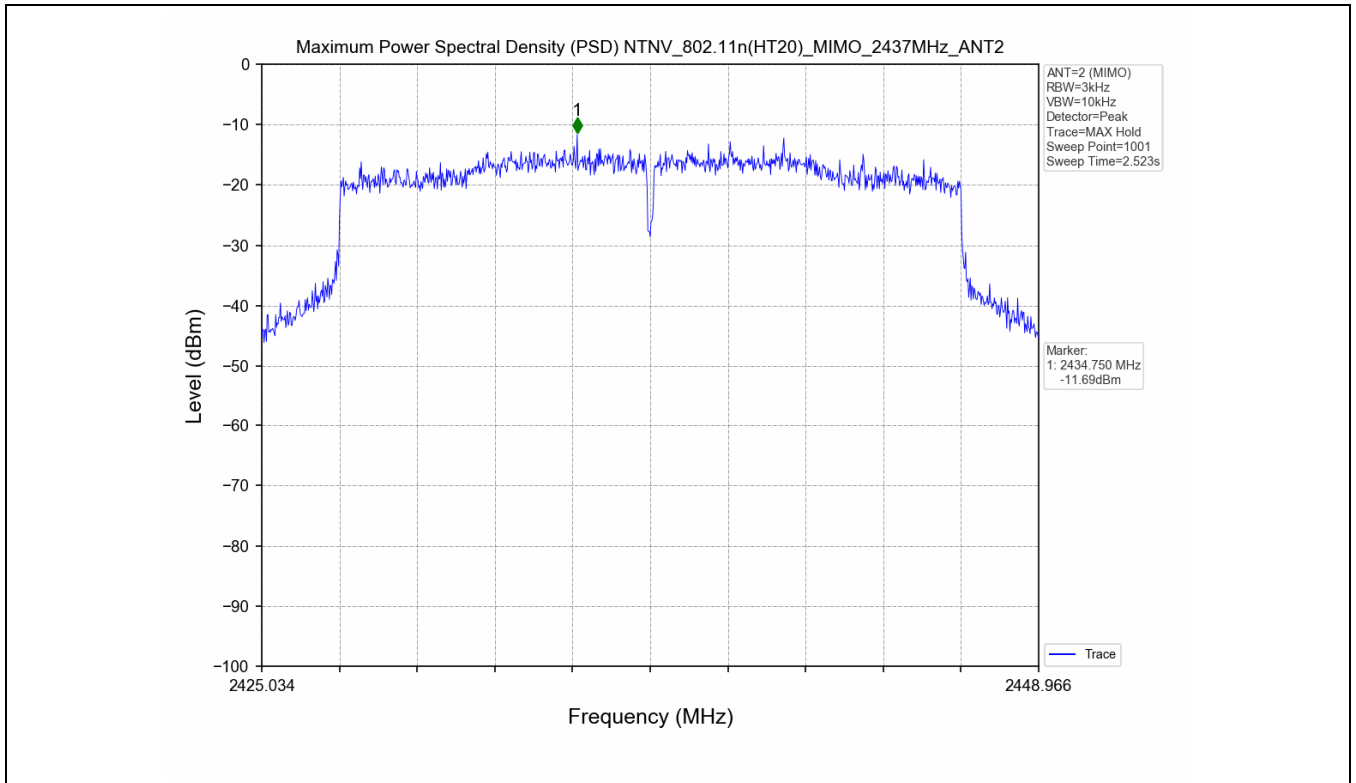
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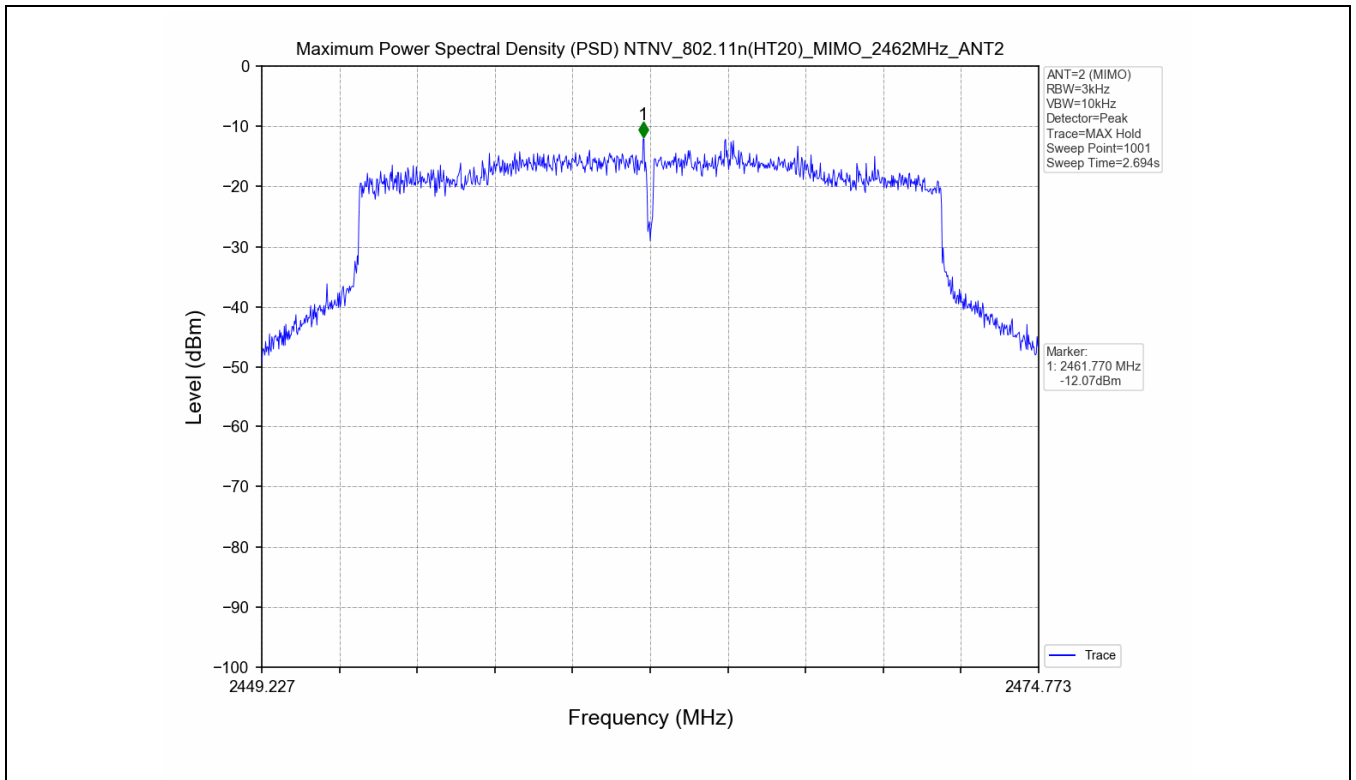
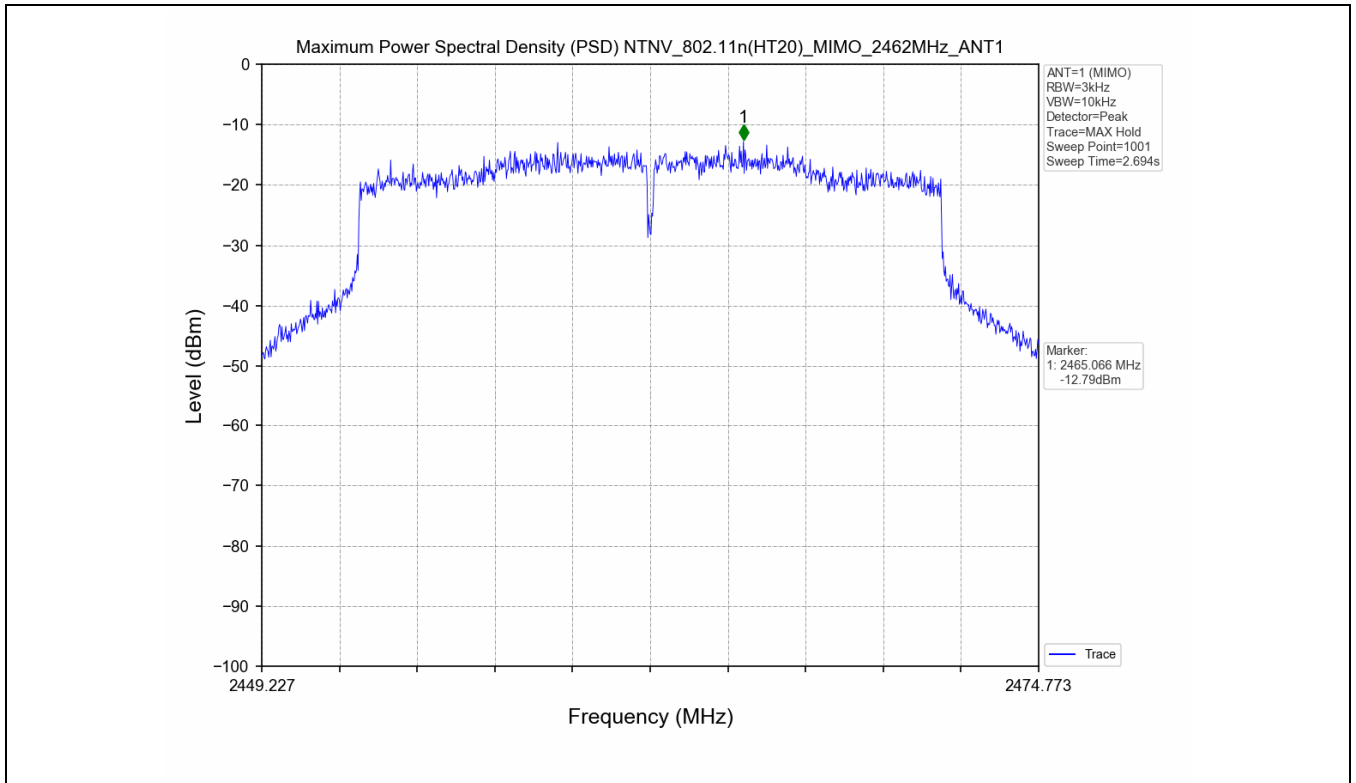
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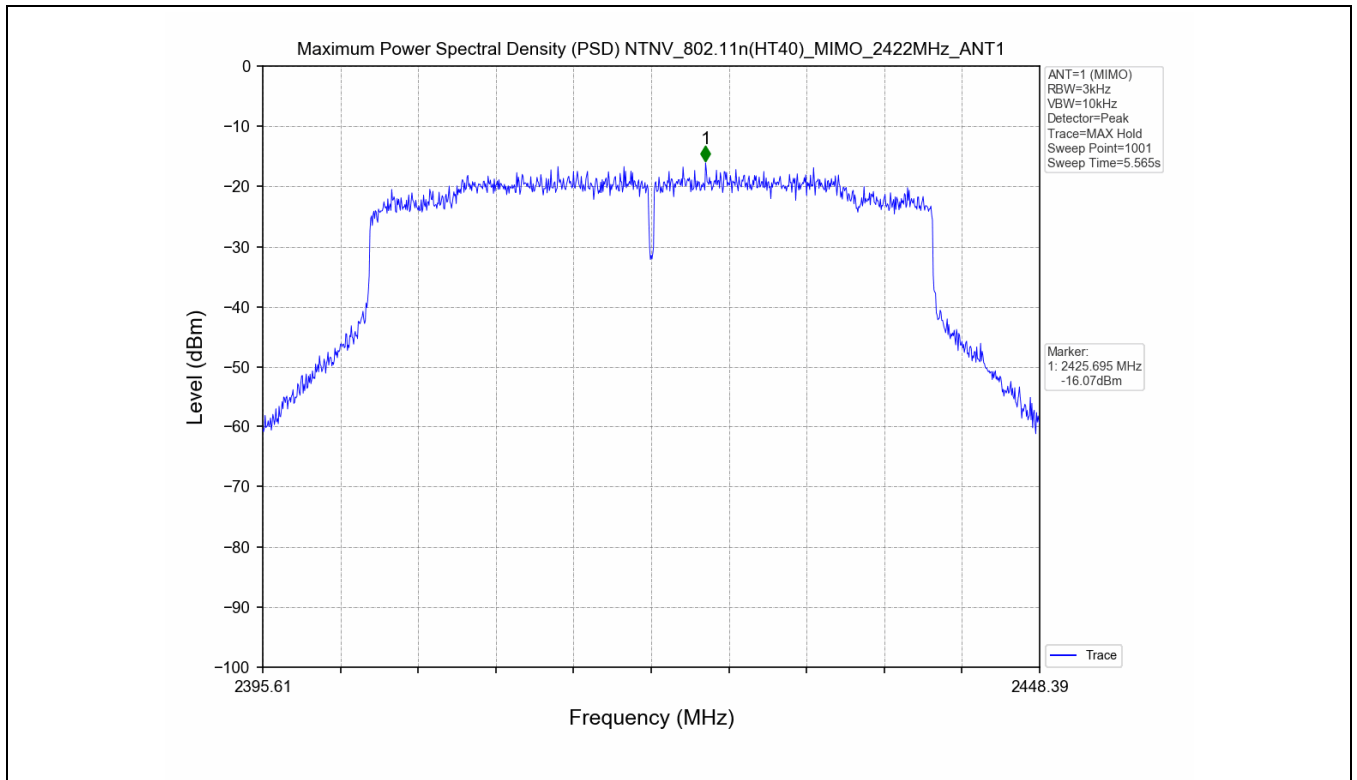
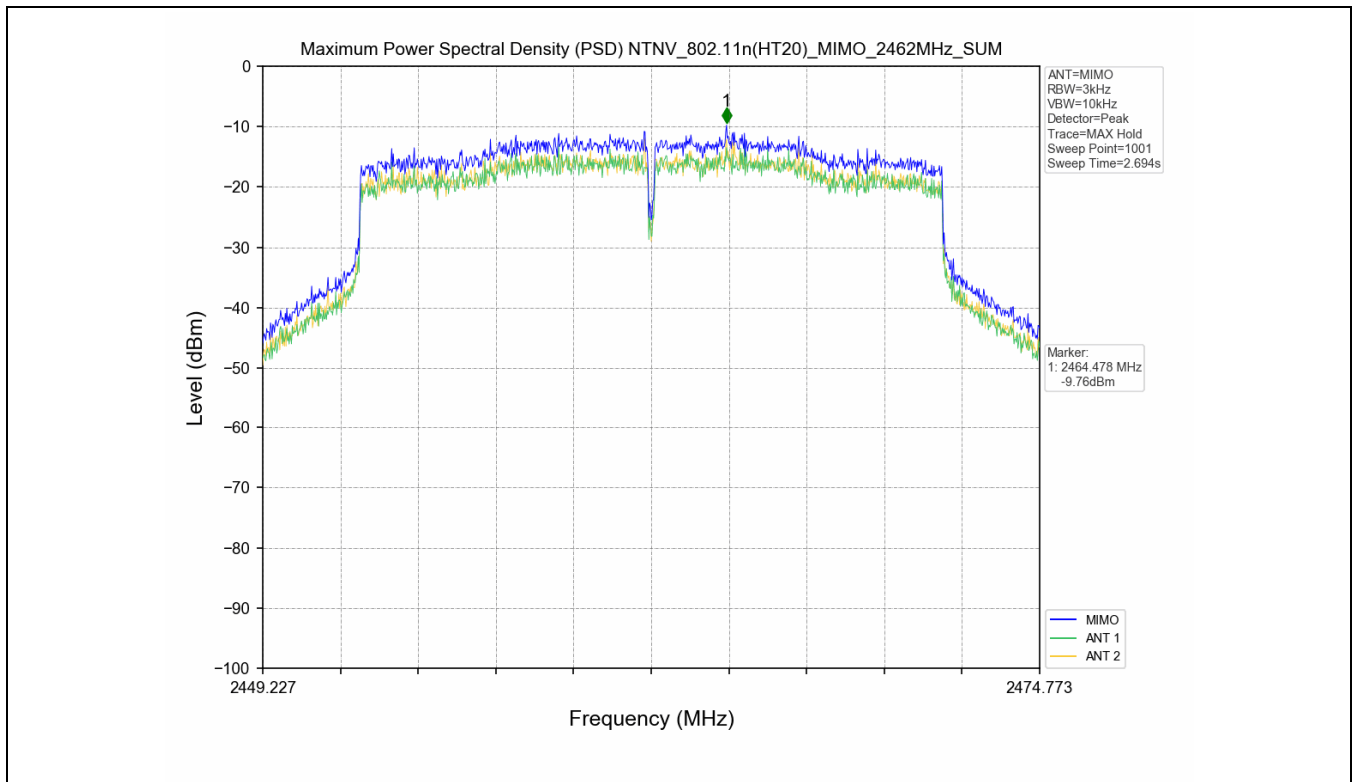
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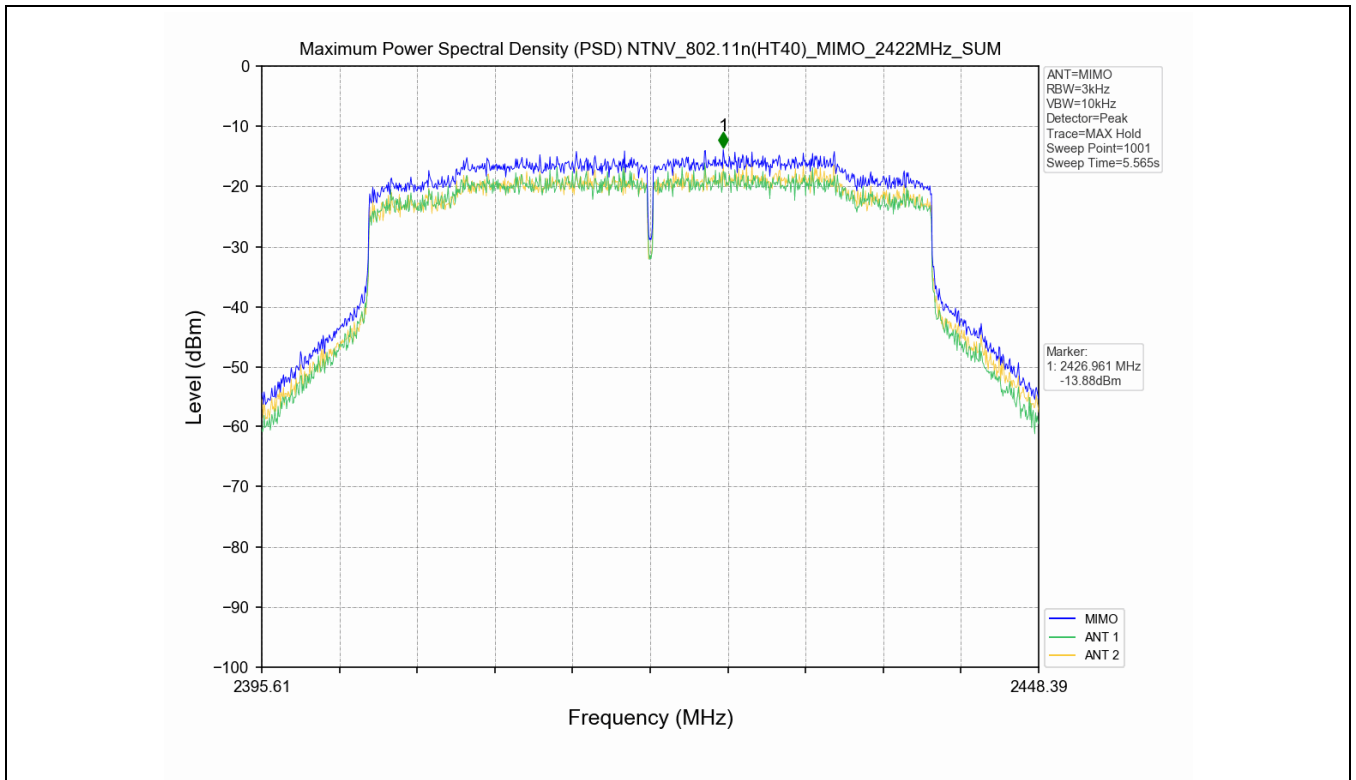
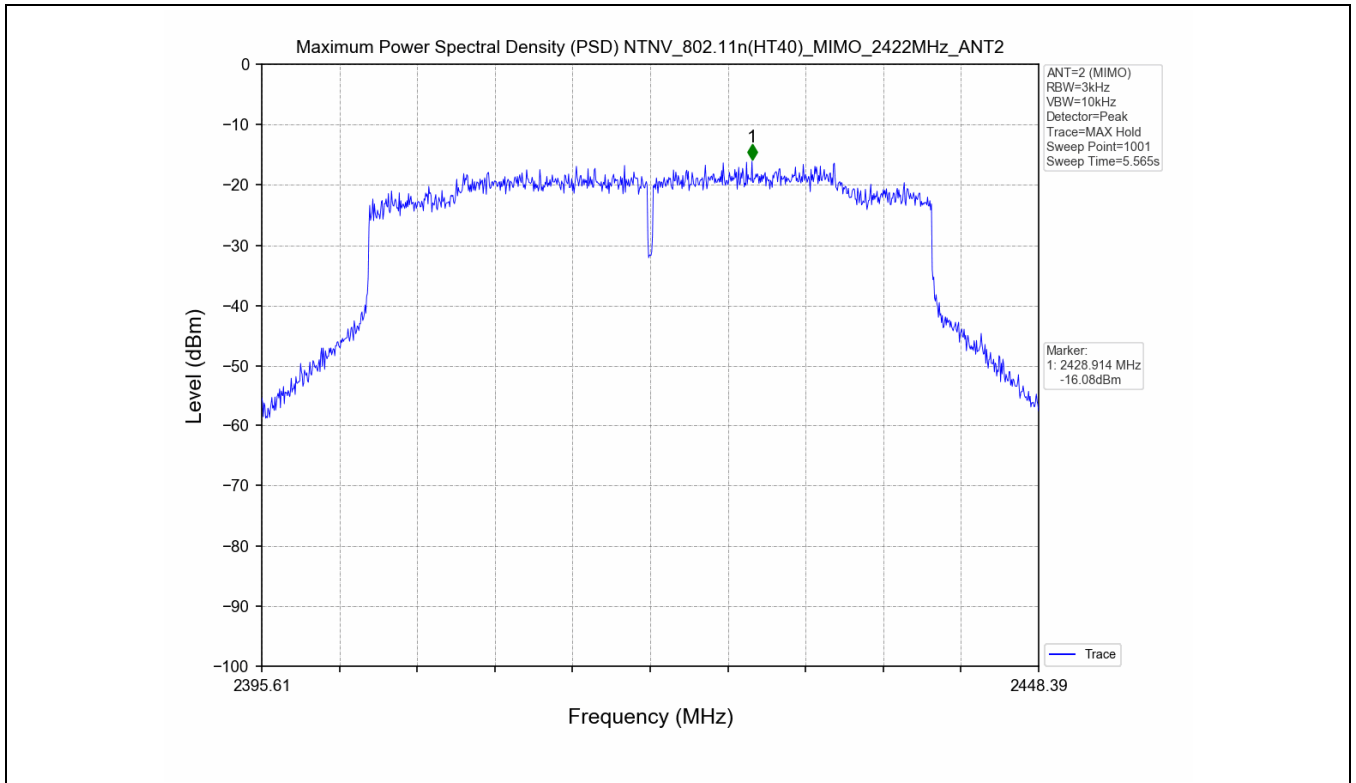


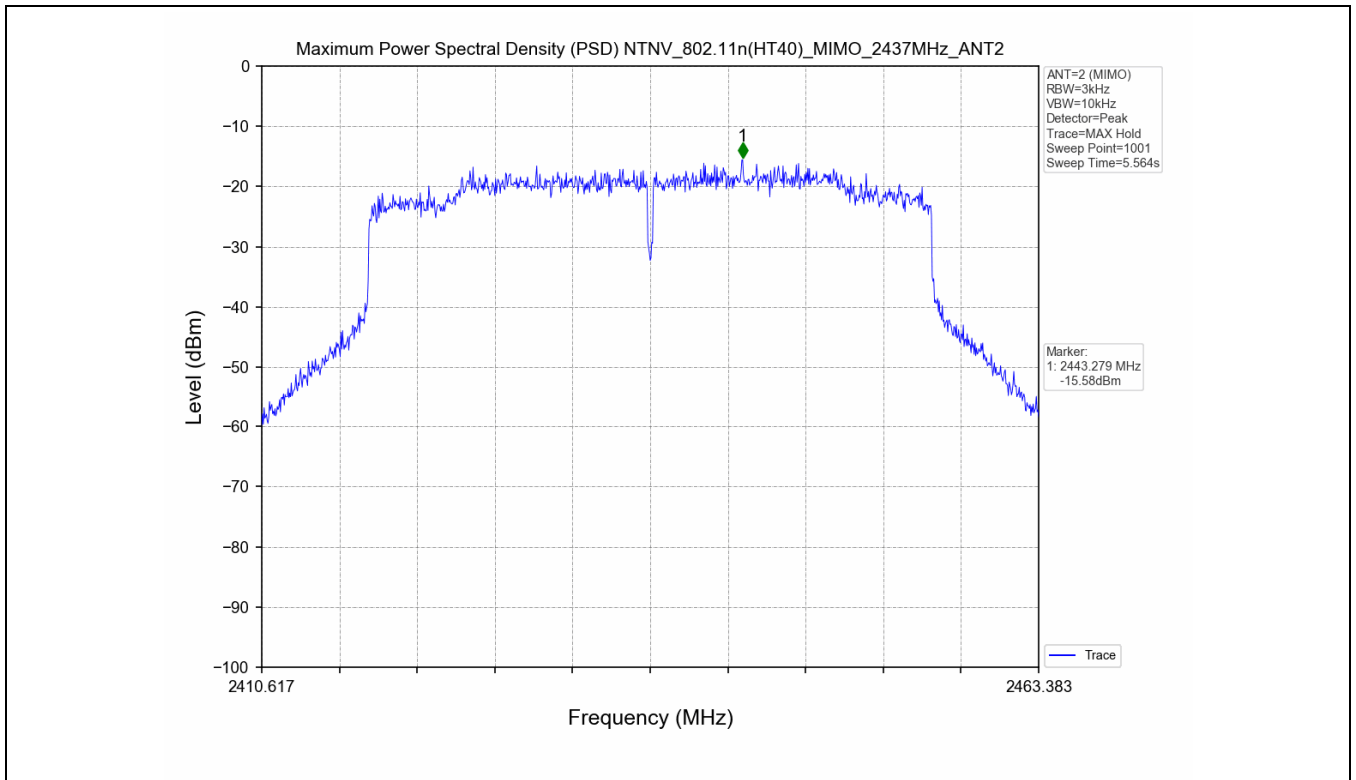
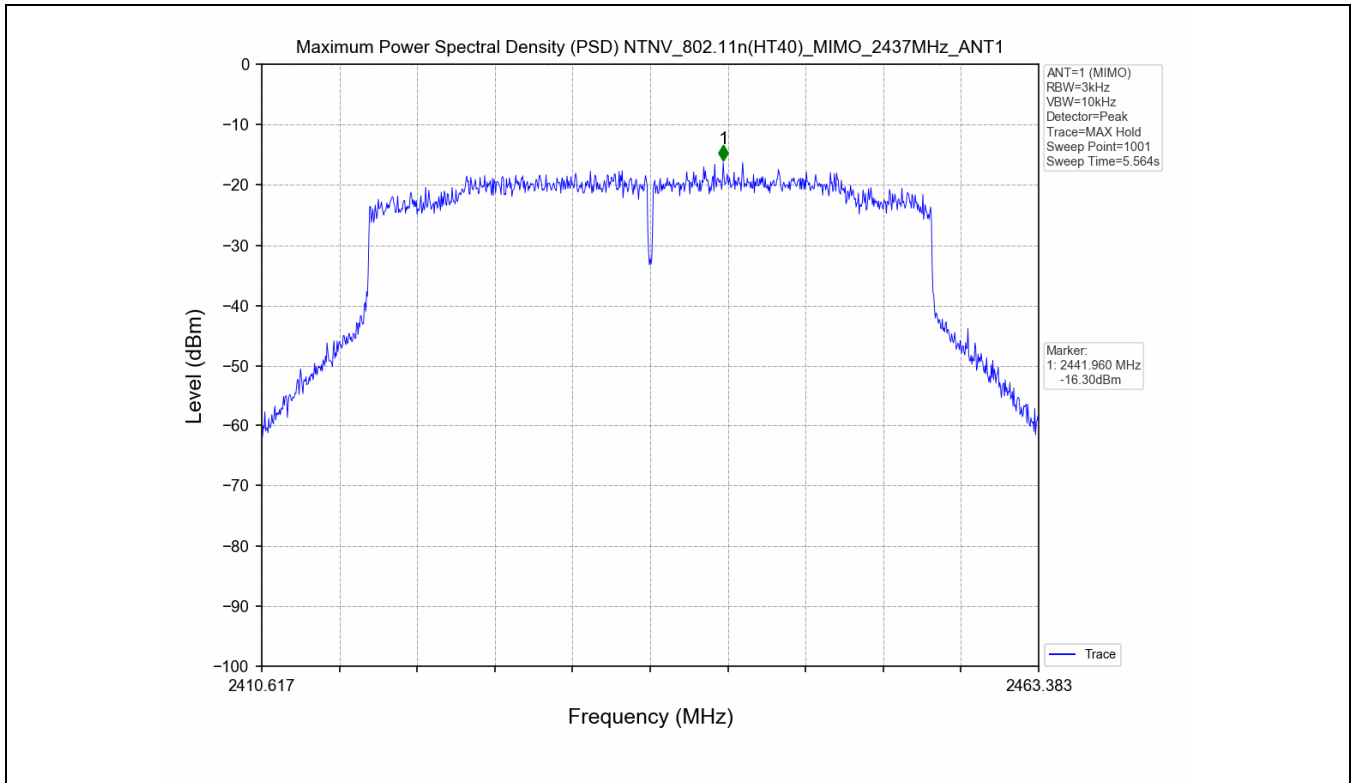


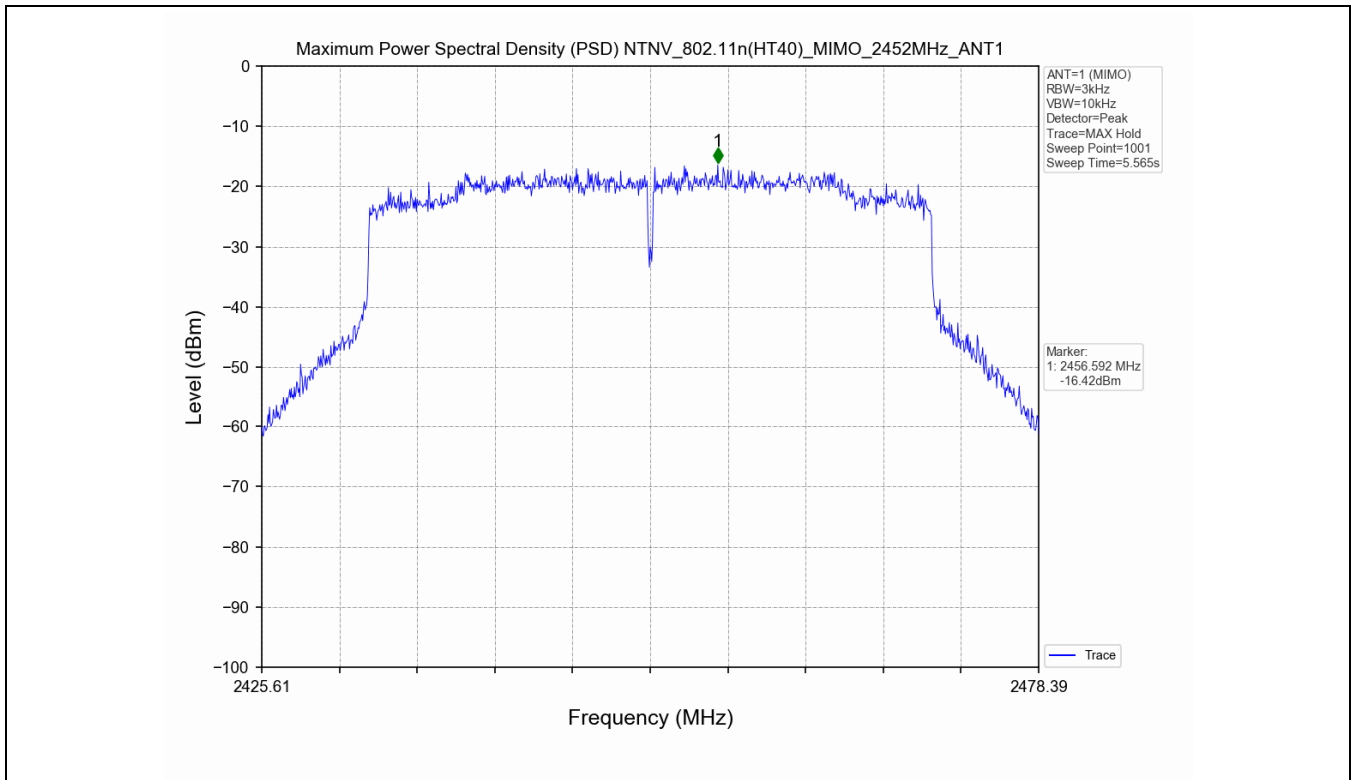
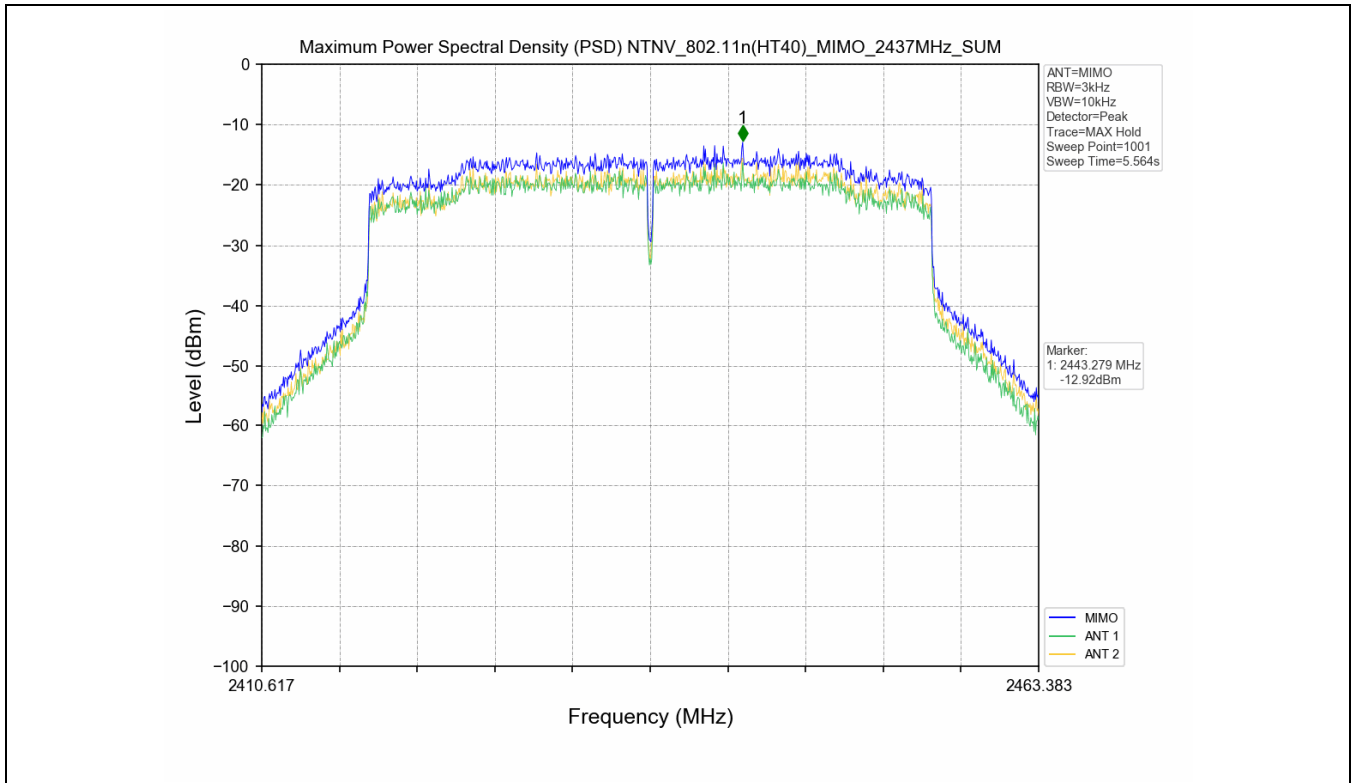


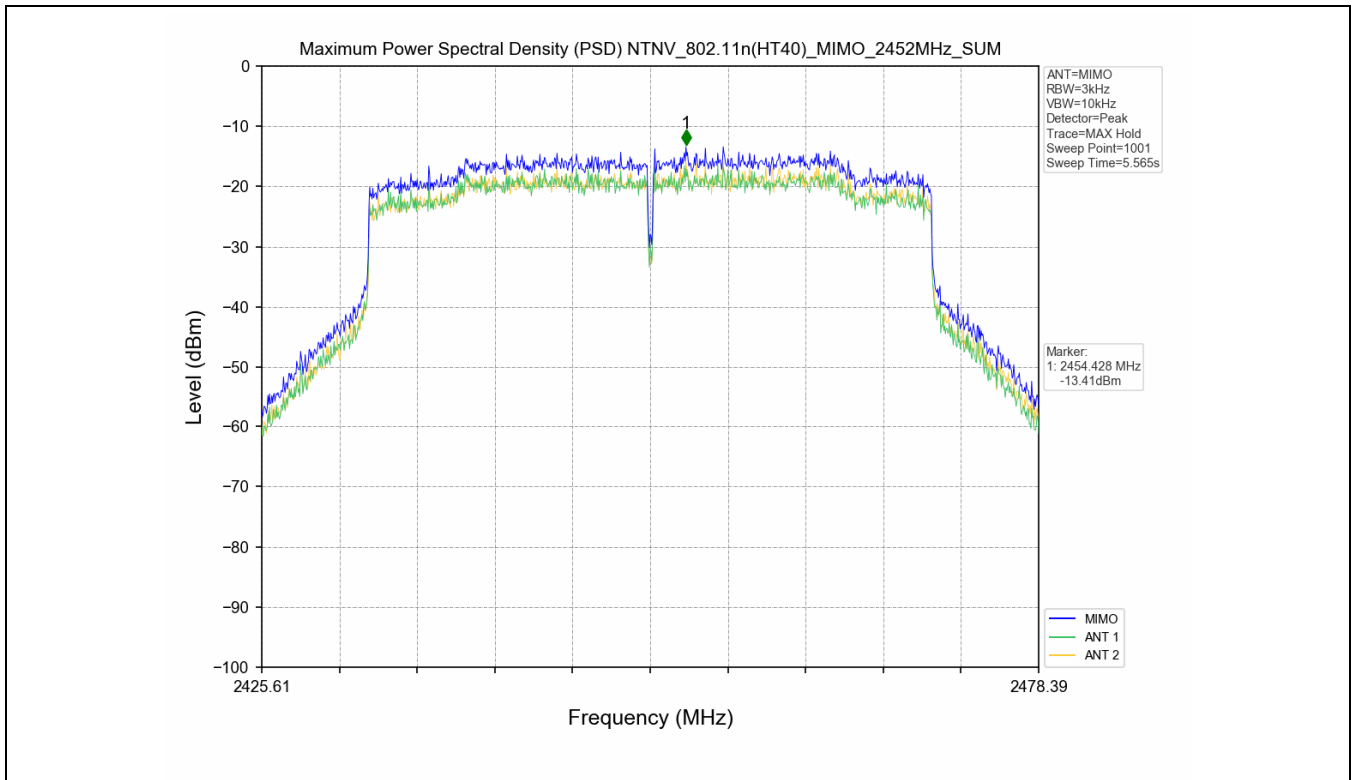
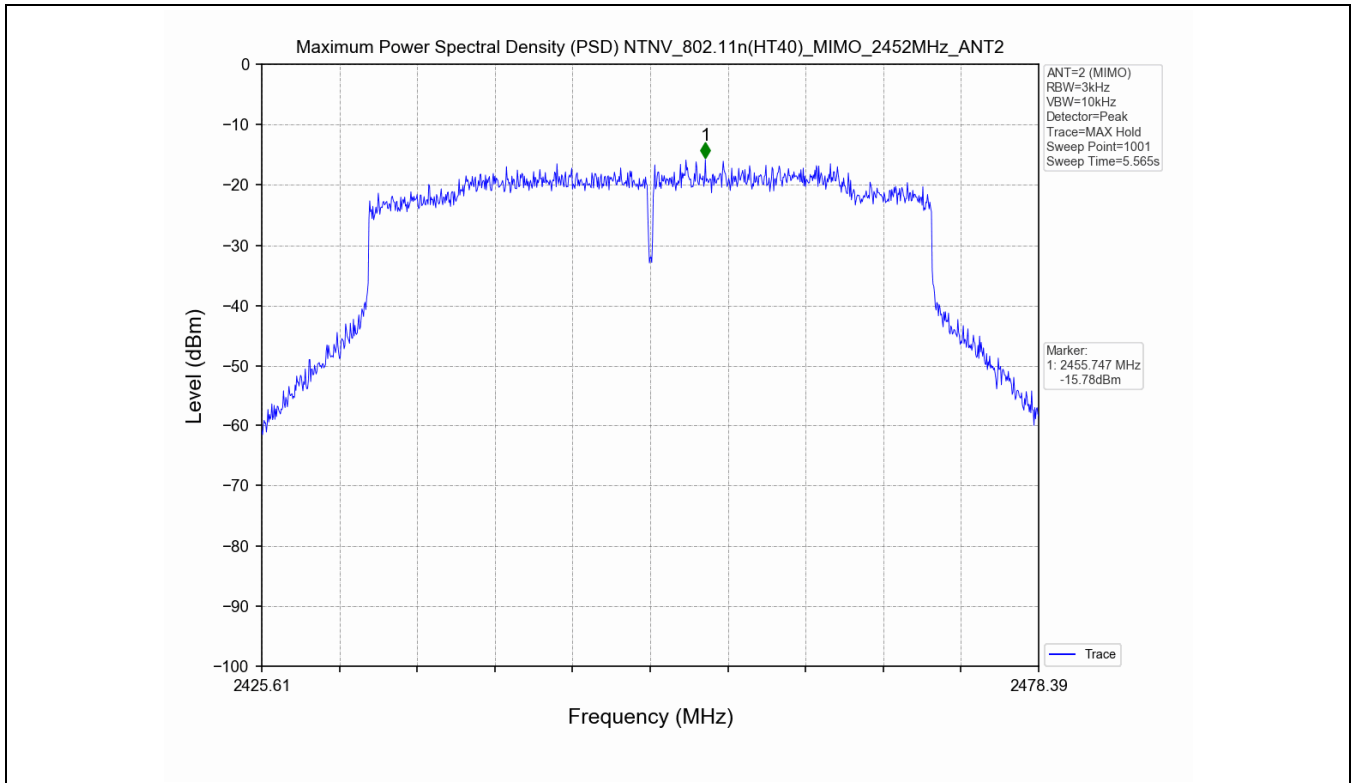












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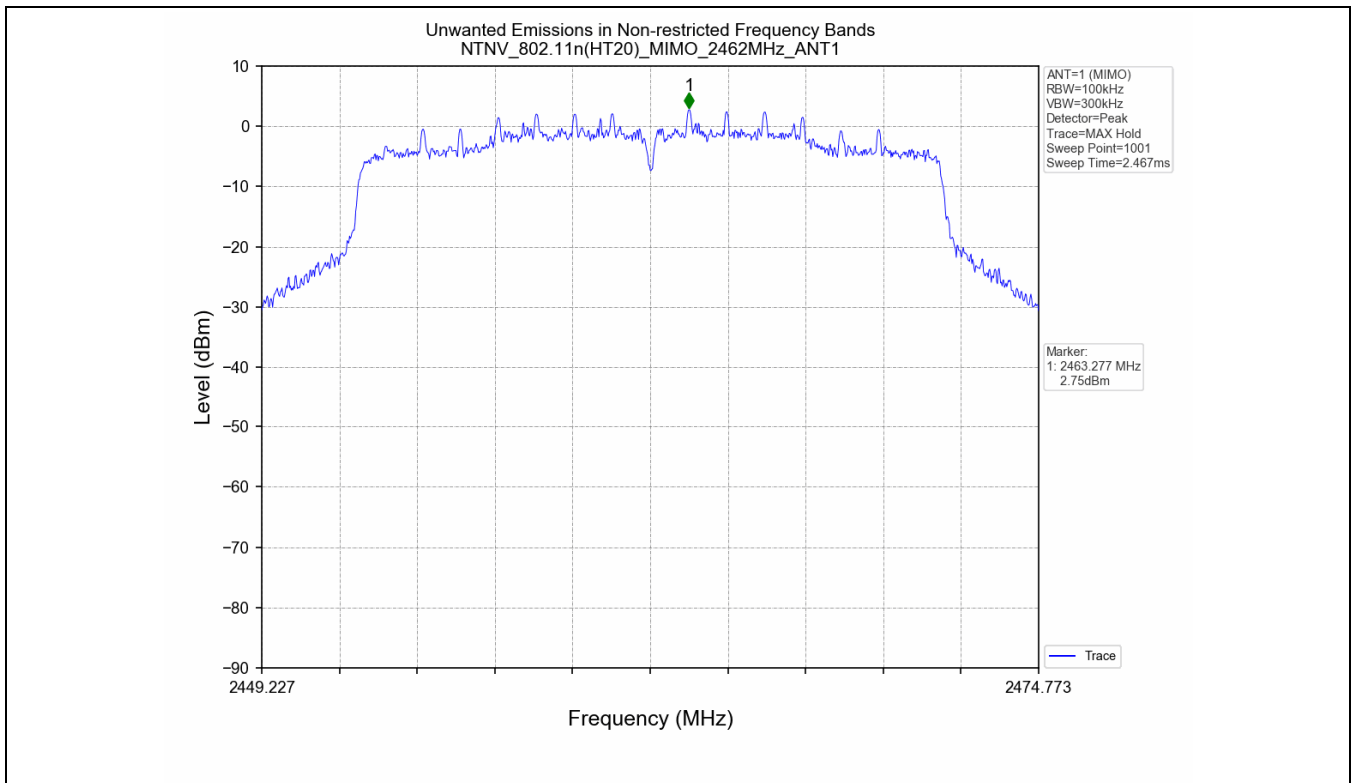
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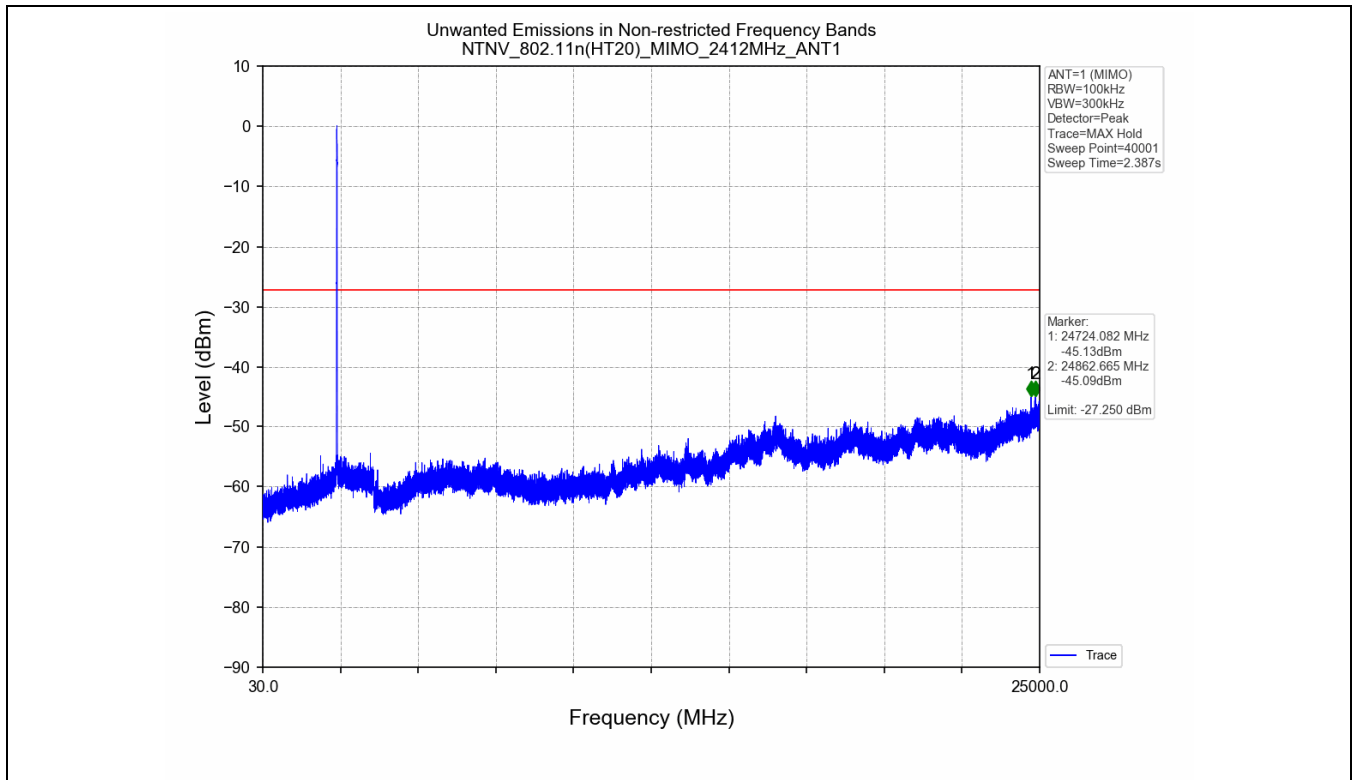
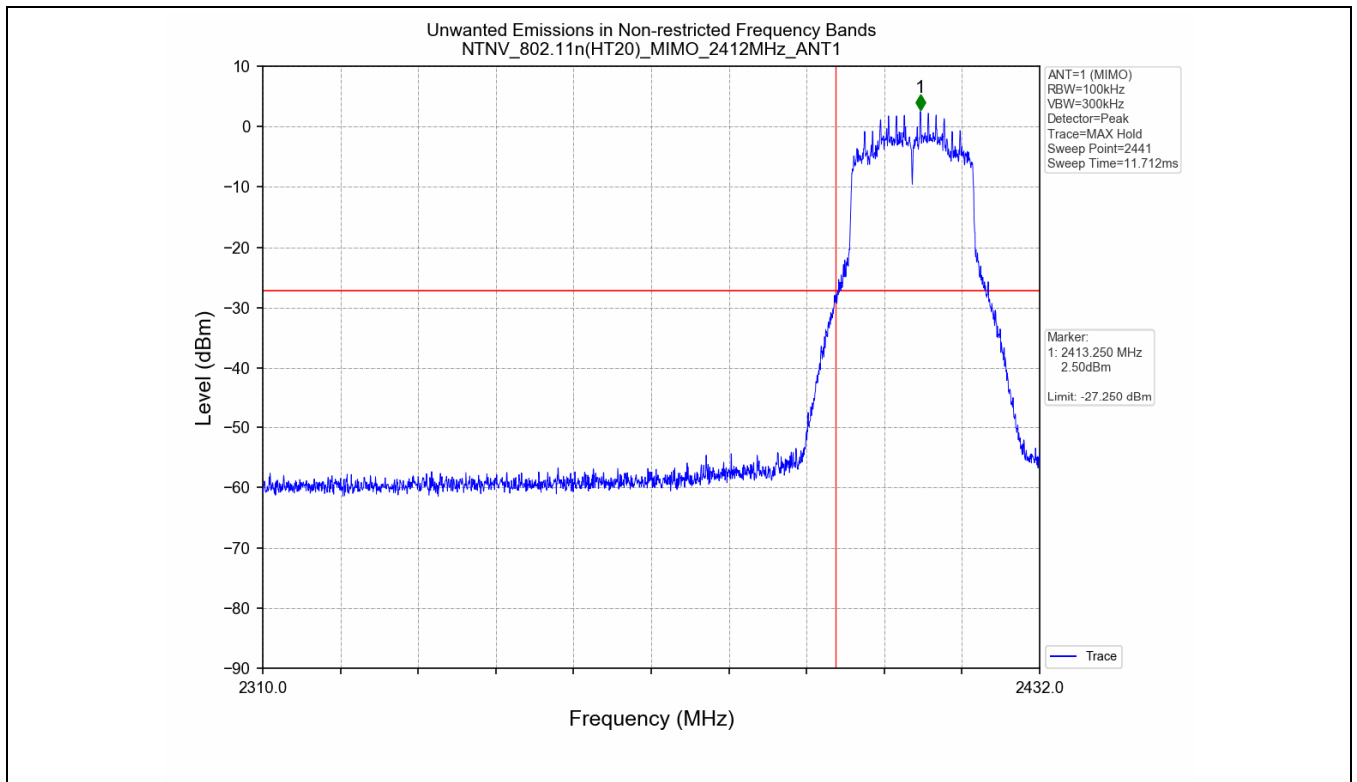
5. Unwanted Emissions in Non-restricted Frequency Bands

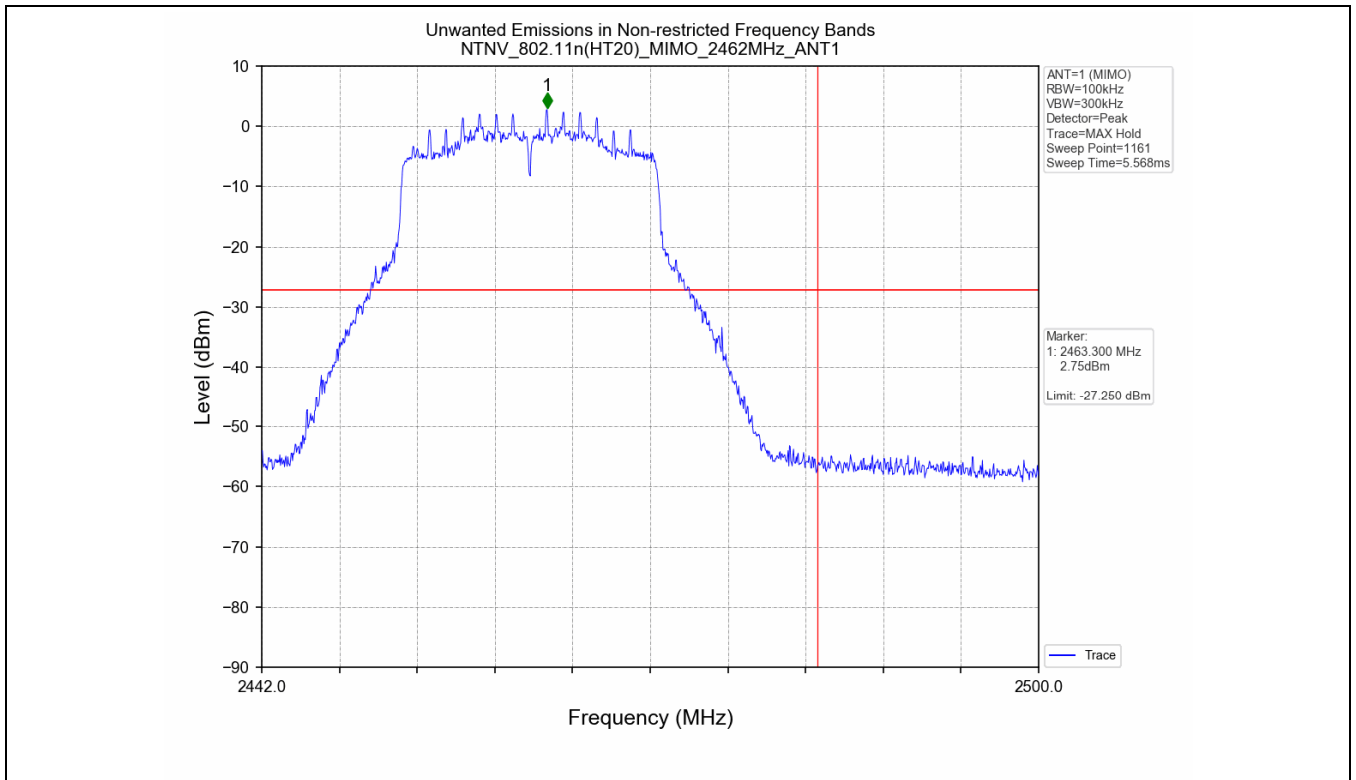
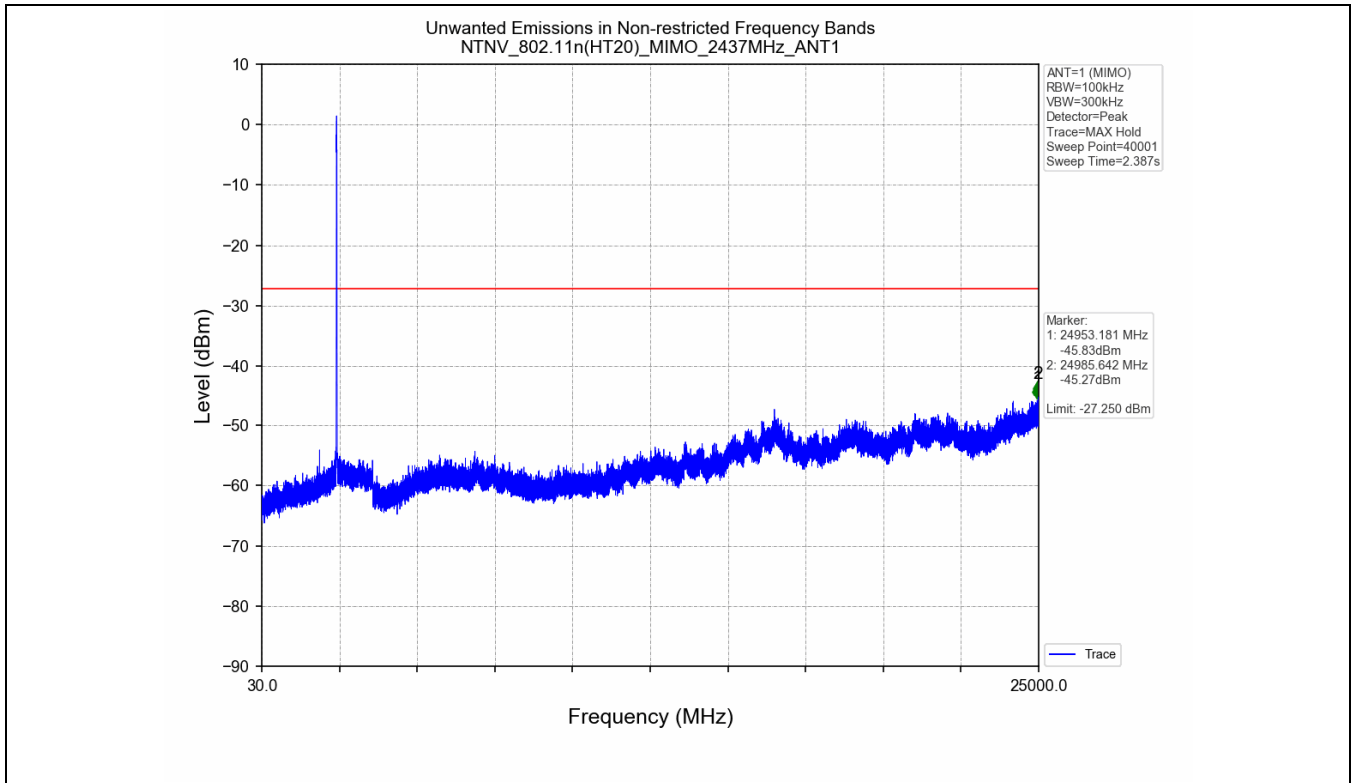
5.1 Test Result

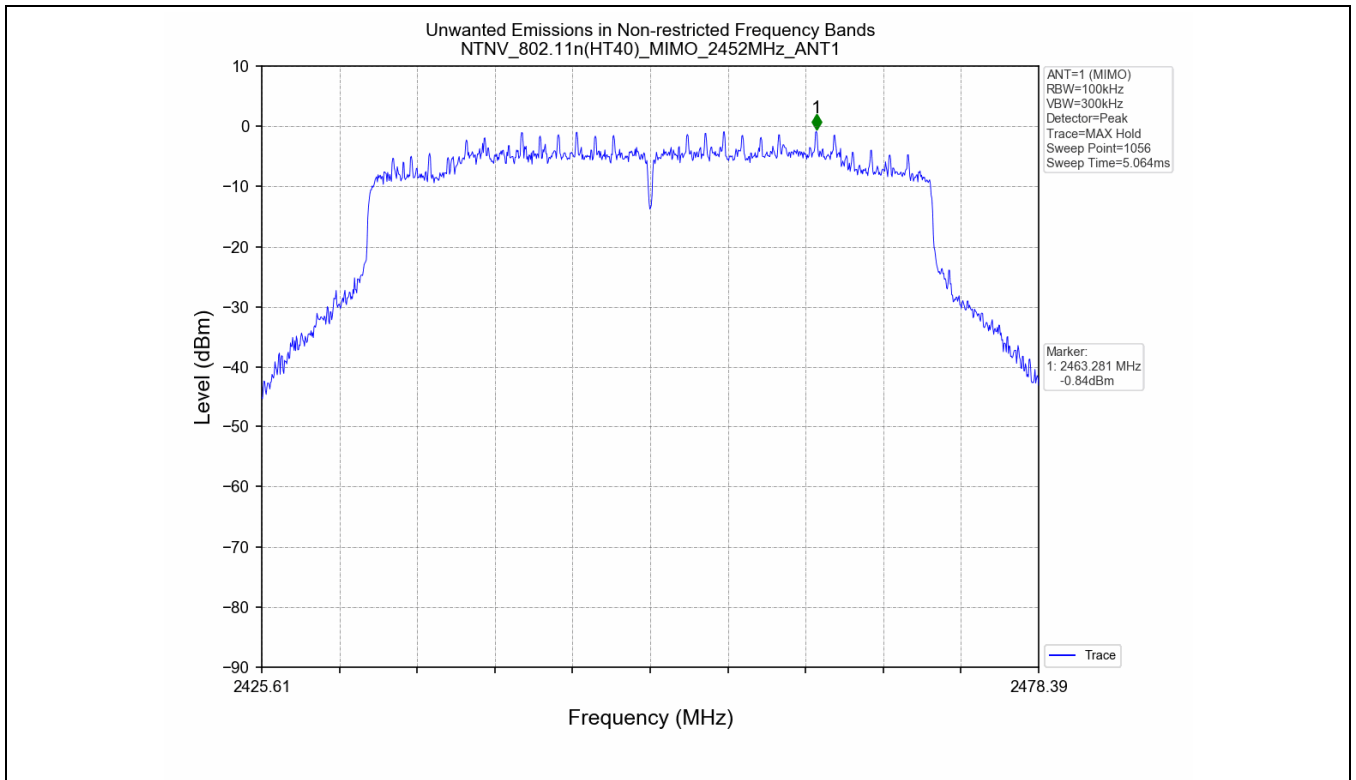
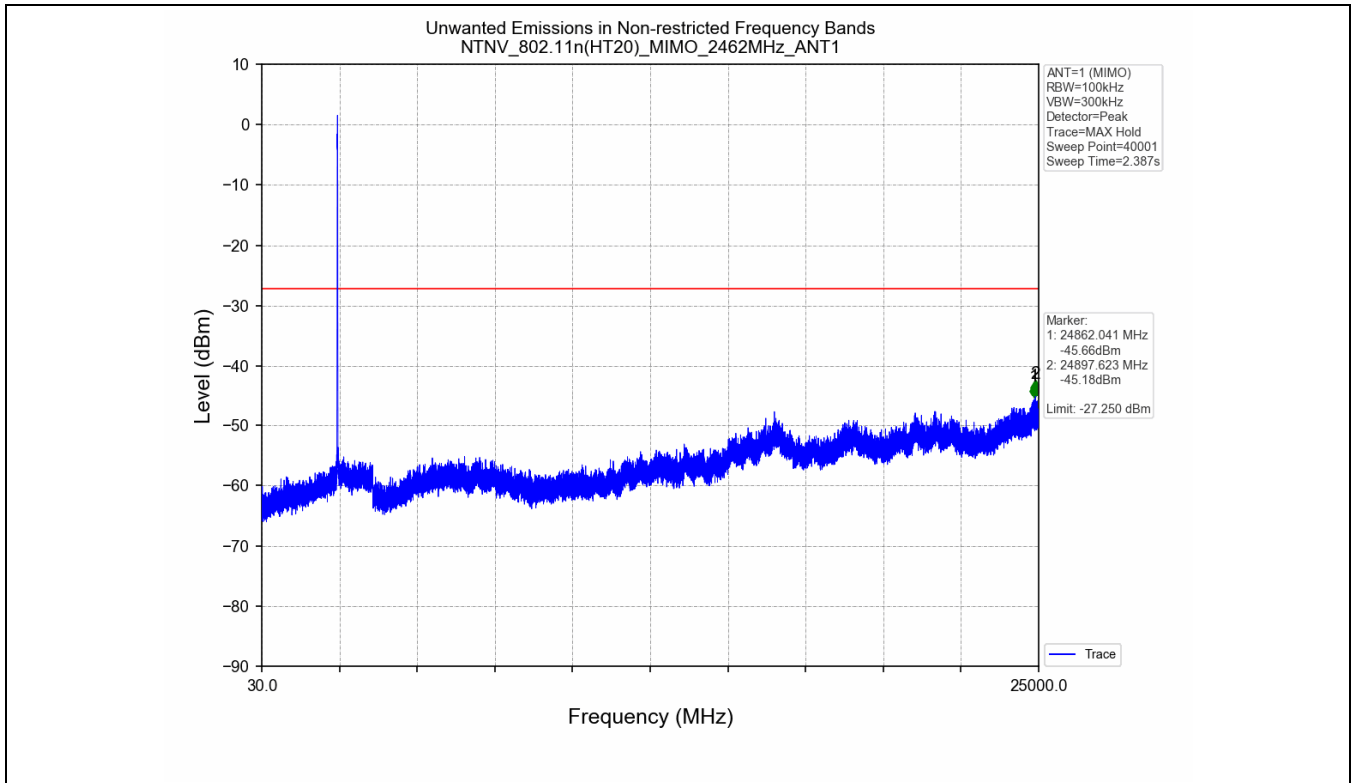
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11n(HT20)	2412	MIMO	MIMO	Refer to test graph	-27.25	PASS
	2437	MIMO	MIMO	Refer to test graph	-27.25	PASS
	2462	MIMO	MIMO	Refer to test graph	-27.25	PASS
802.11n(HT40)	2422	MIMO	MIMO	Refer to test graph	-30.84	PASS
	2437	MIMO	MIMO	Refer to test graph	-30.84	PASS
	2452	MIMO	MIMO	Refer to test graph	-30.84	PASS

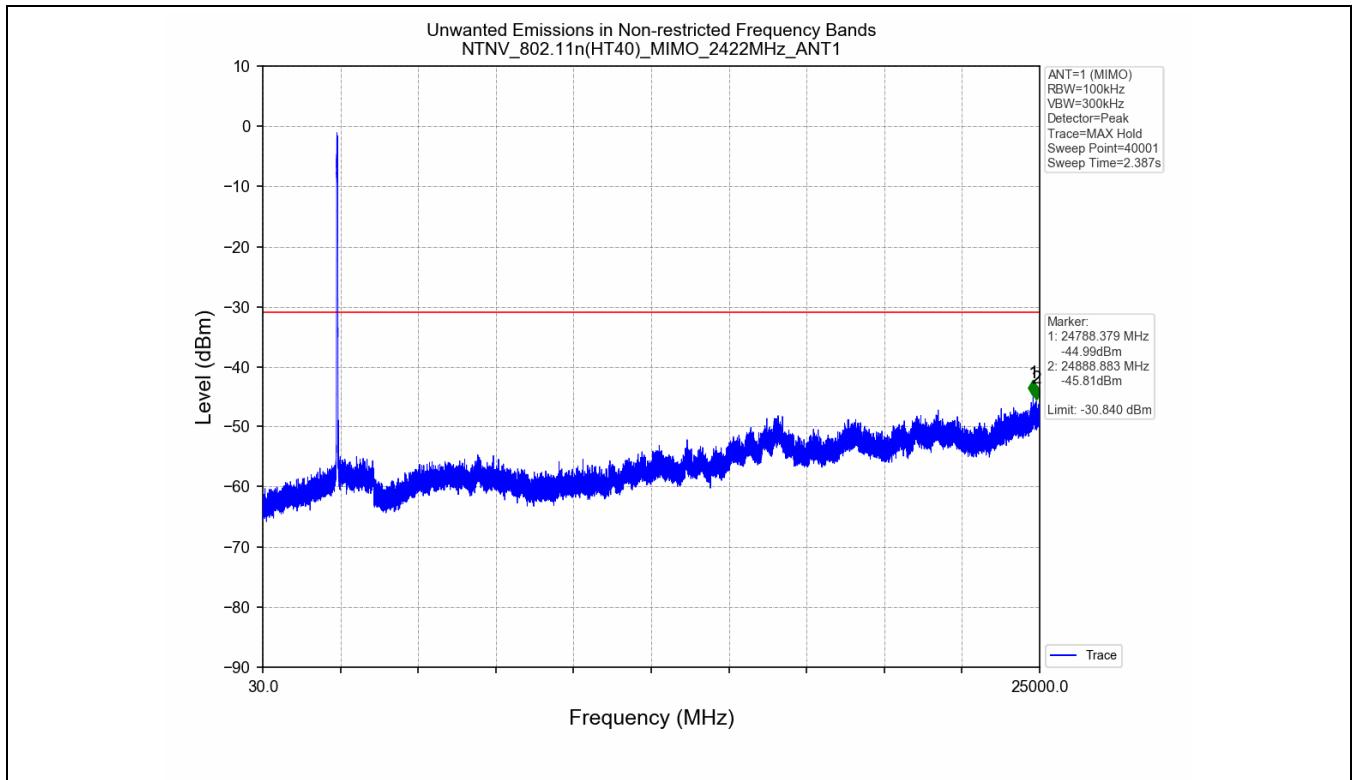
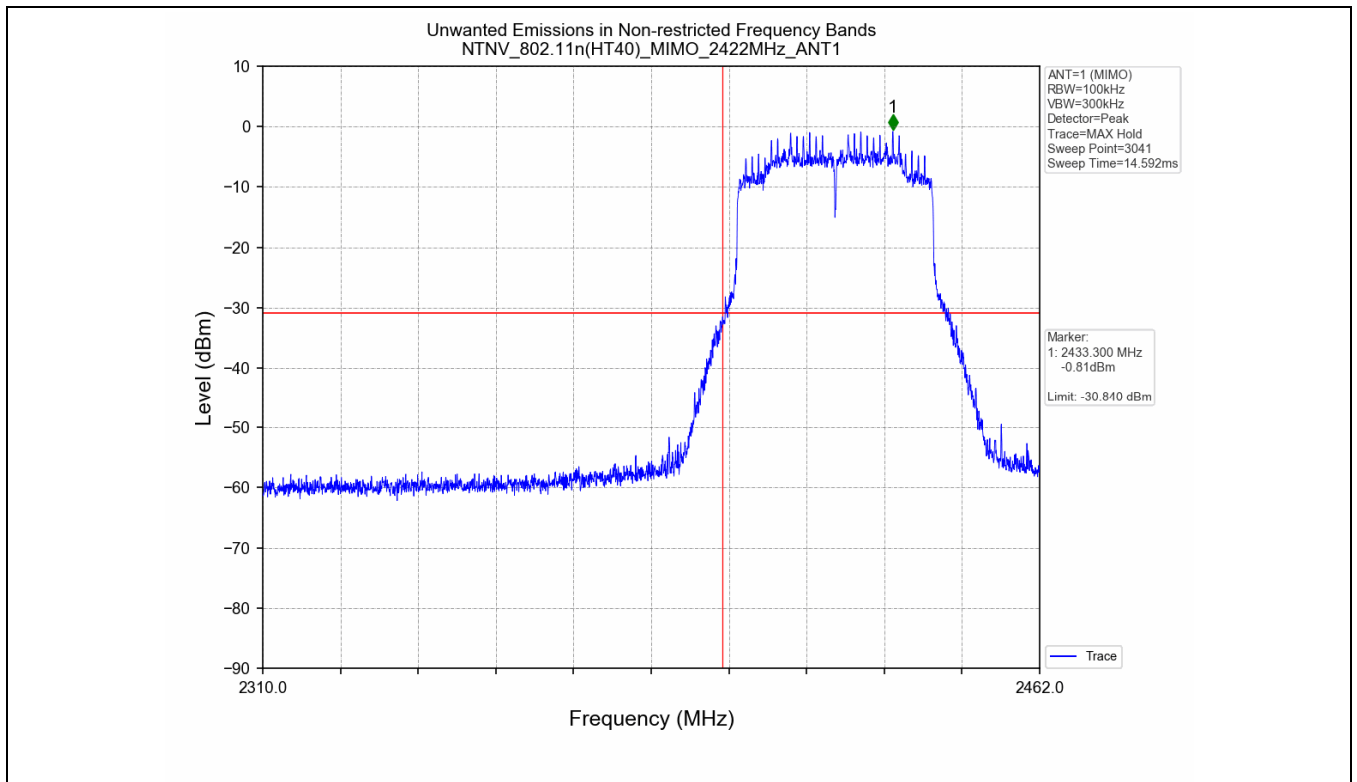
5.2 Test Graph

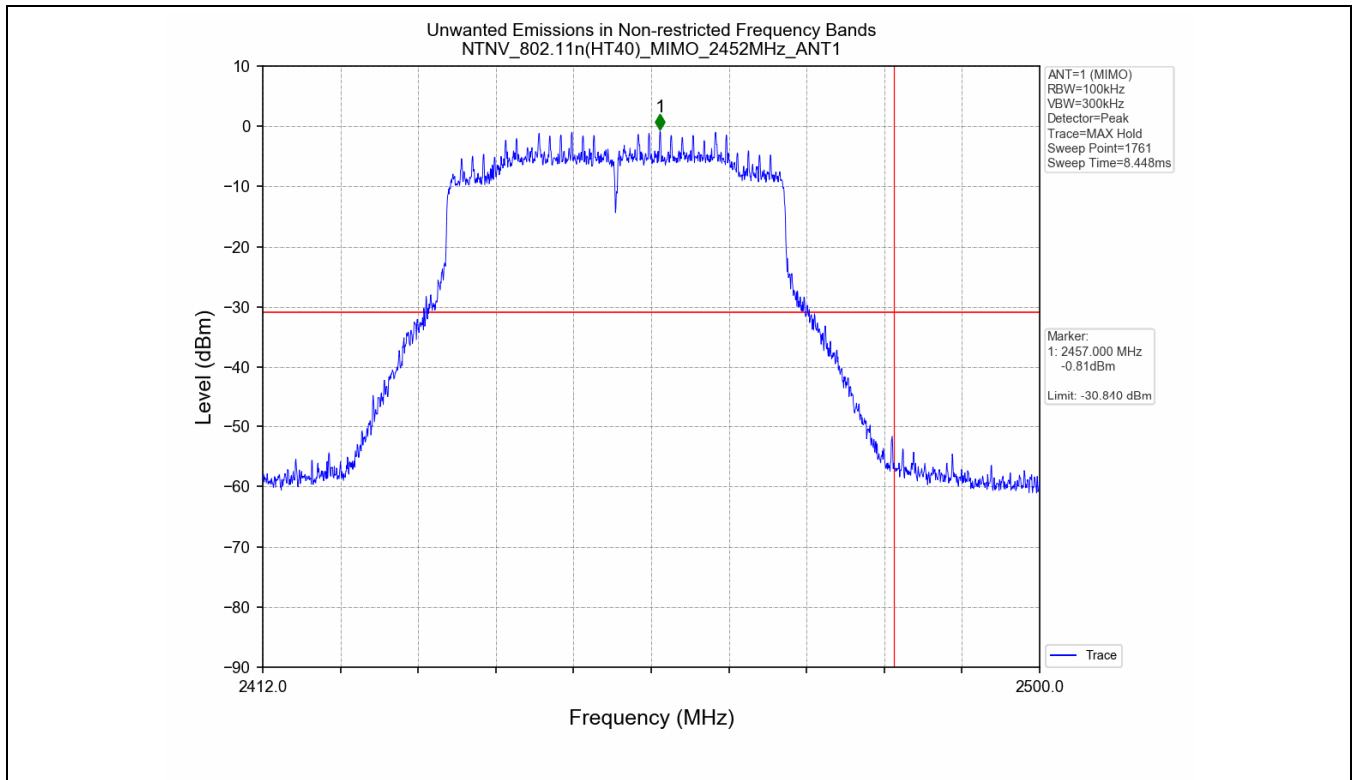
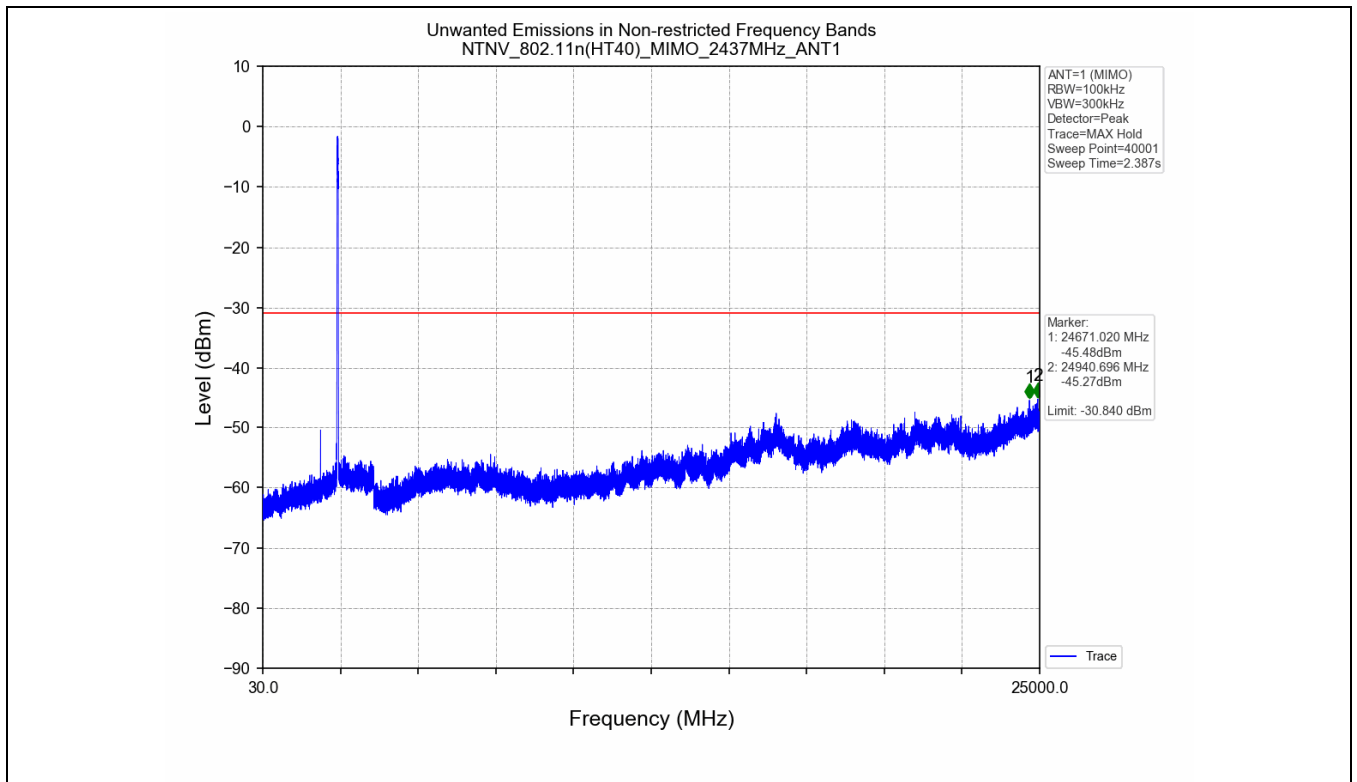


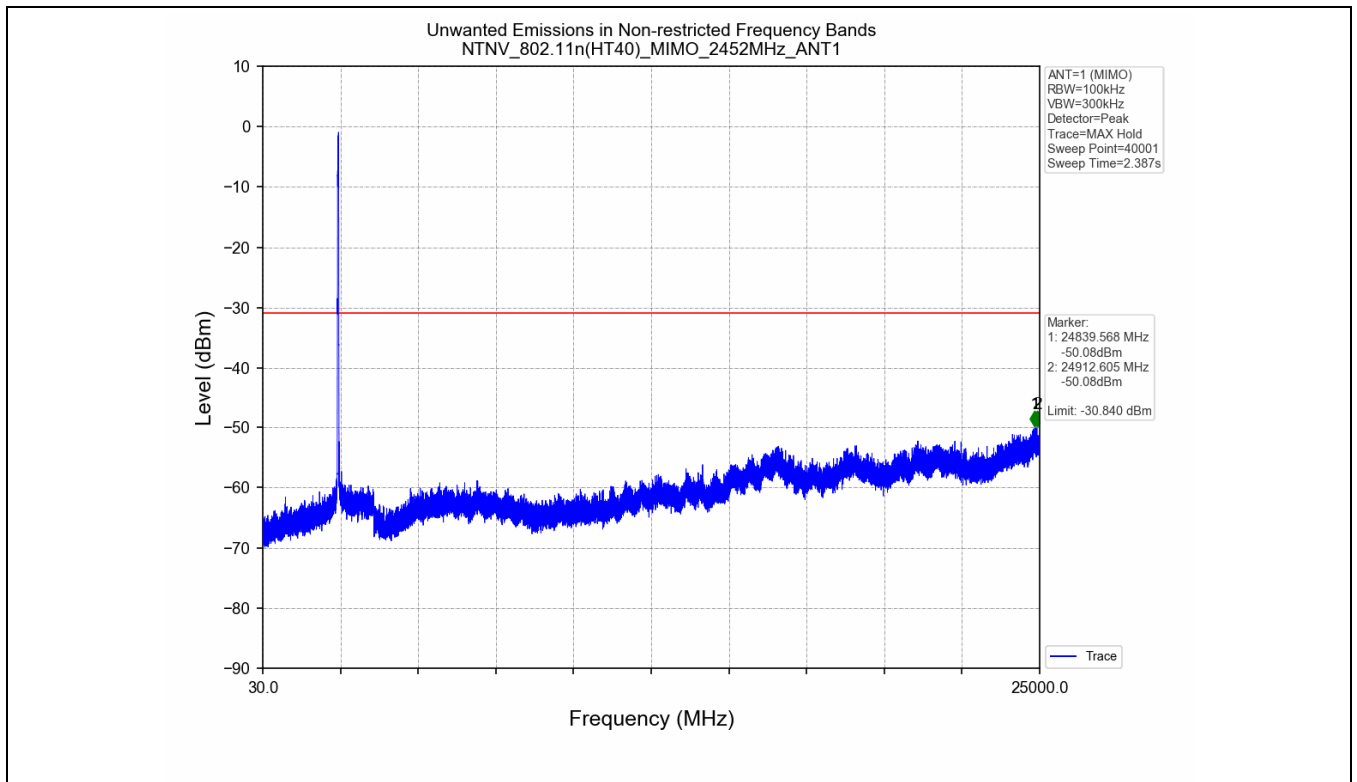












- End of the Report -

