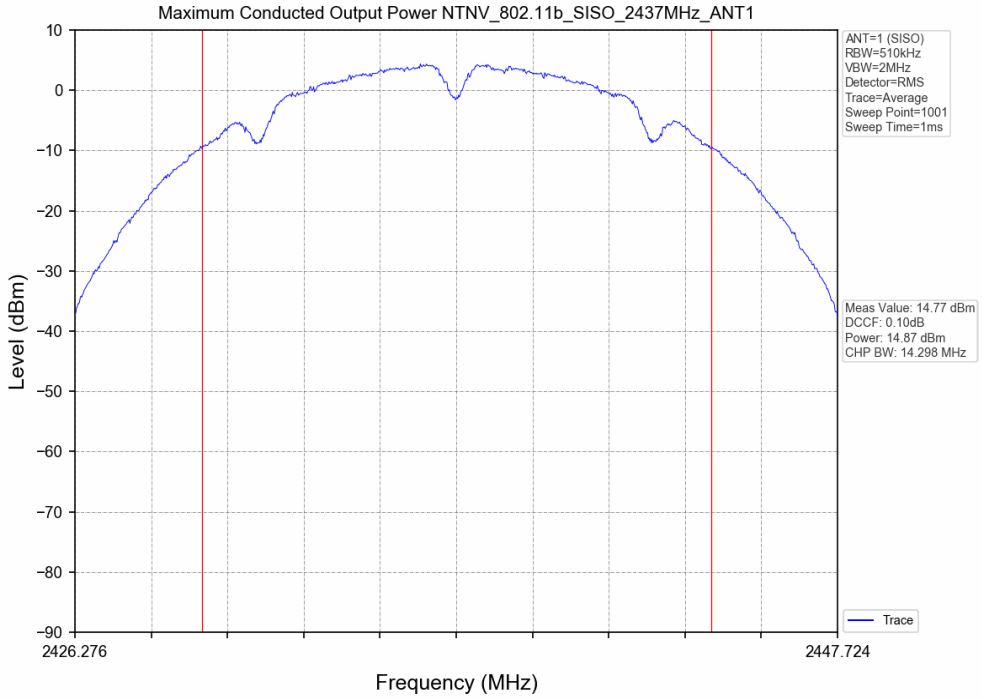

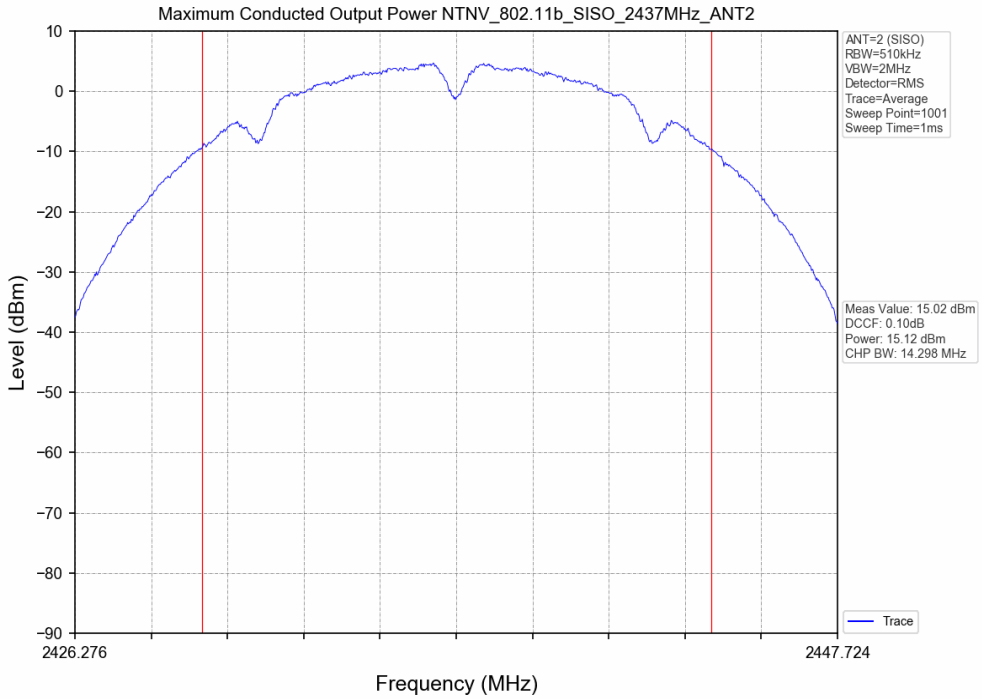

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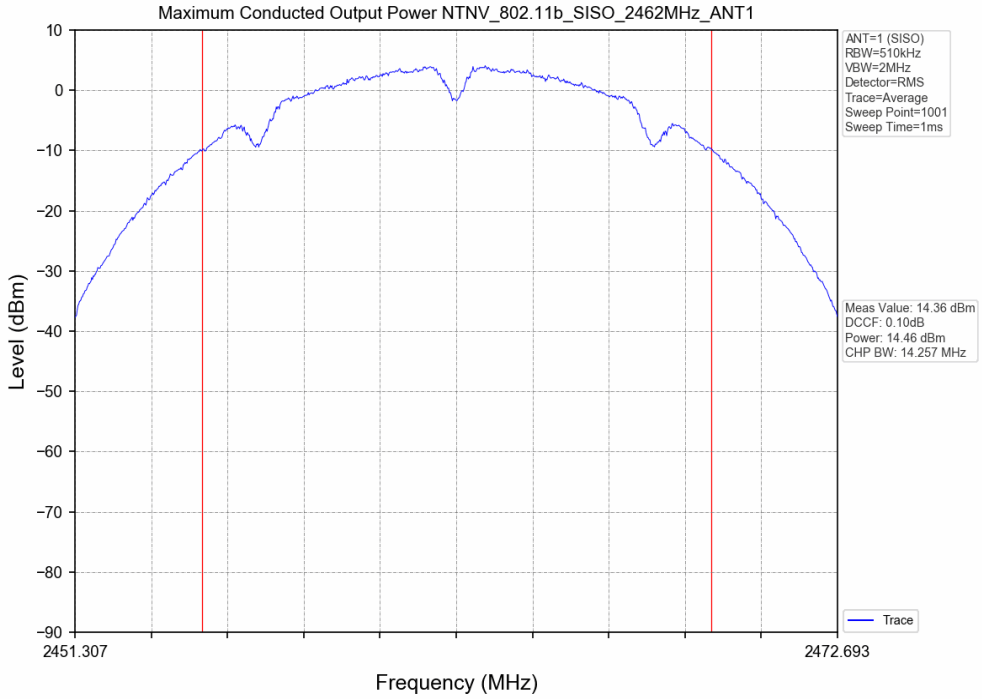

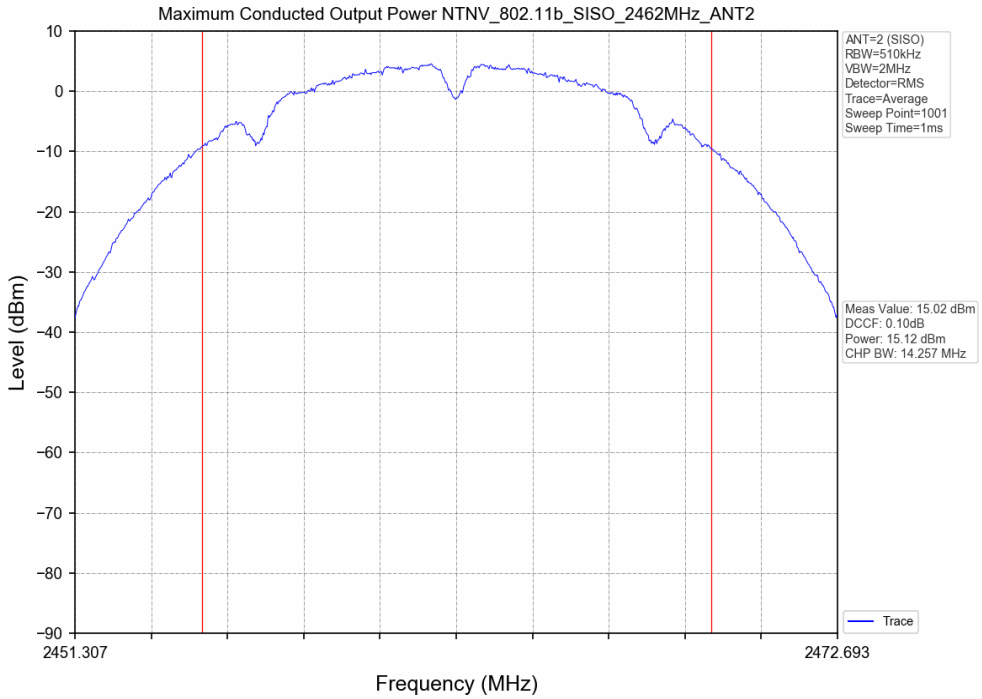

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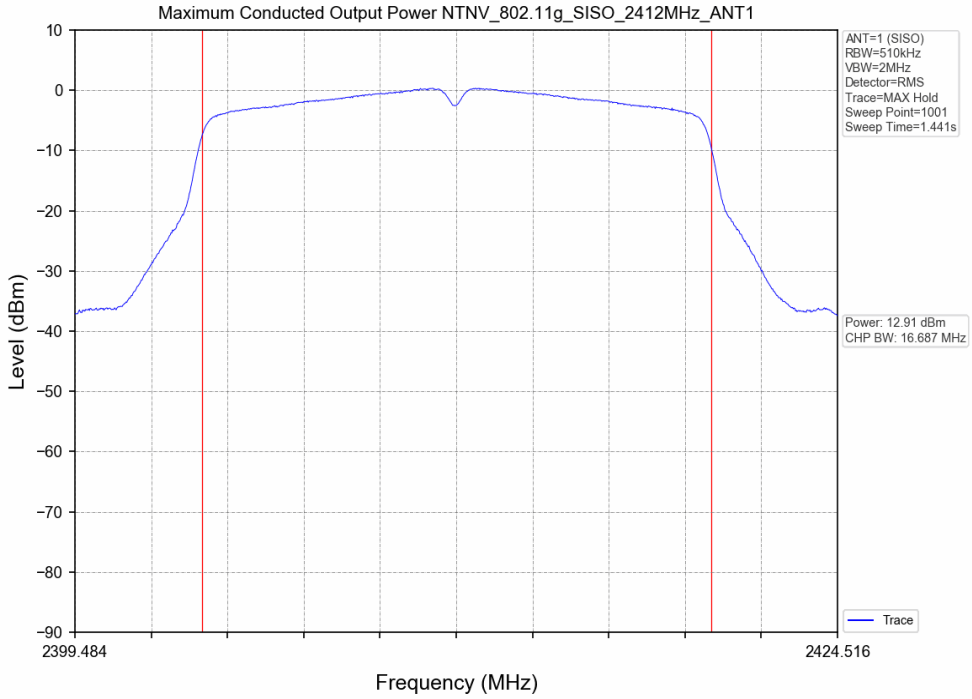

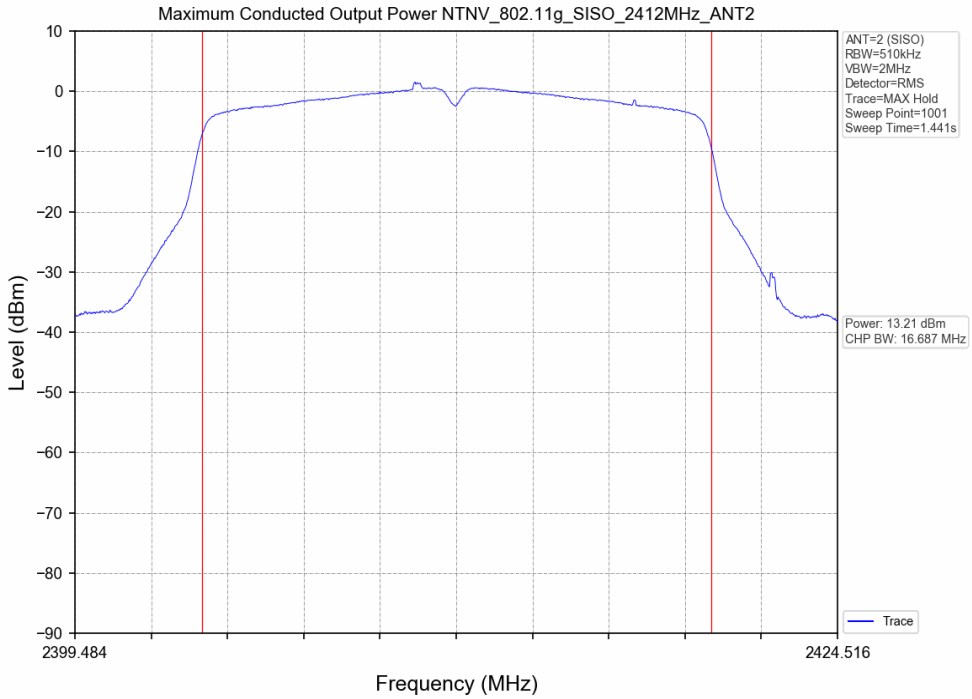

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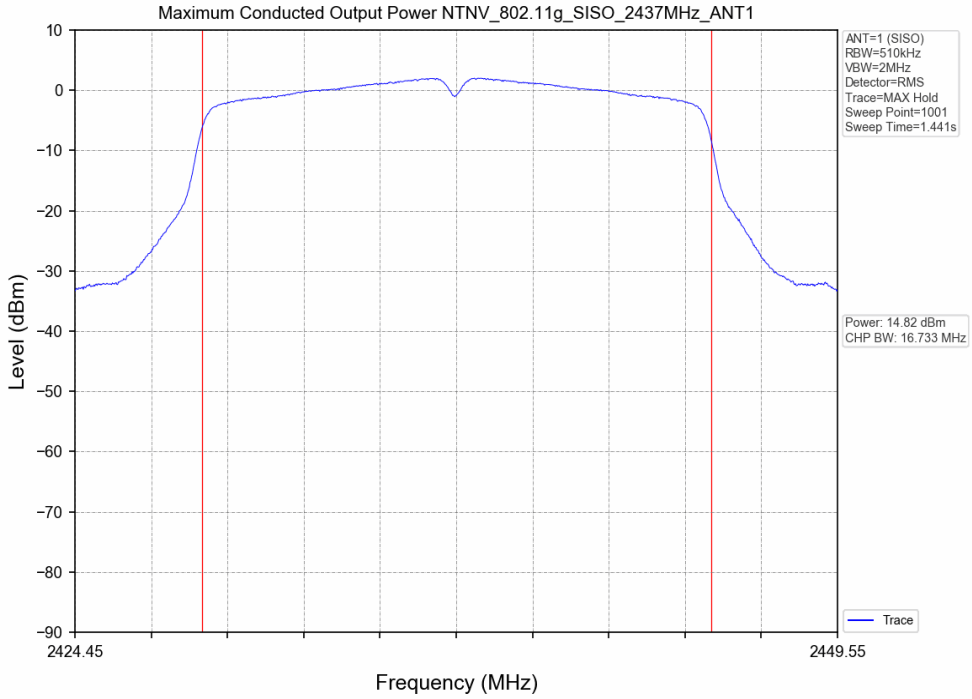

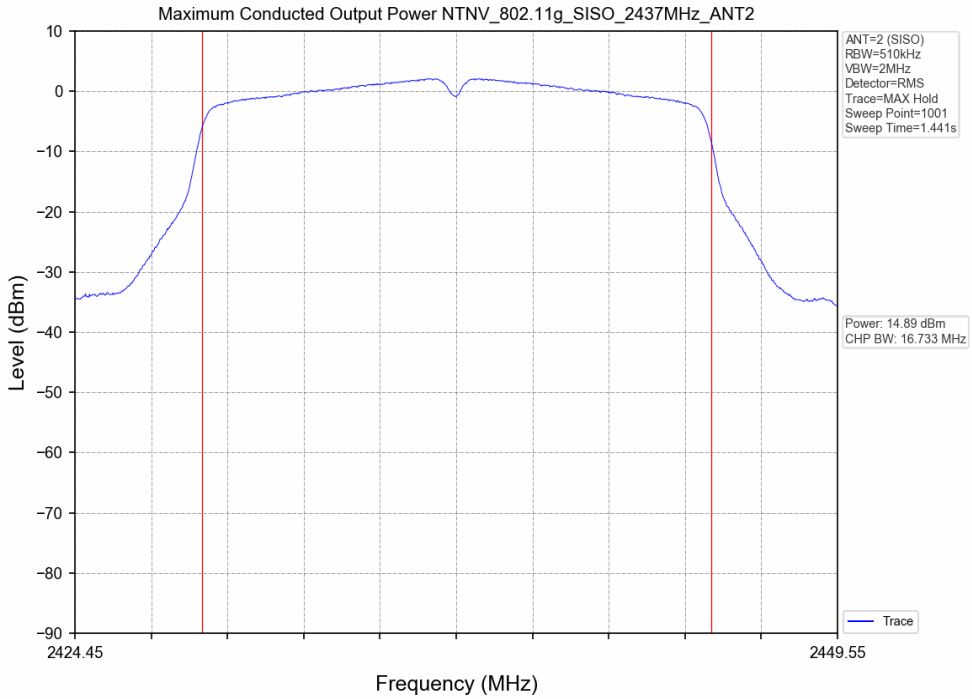

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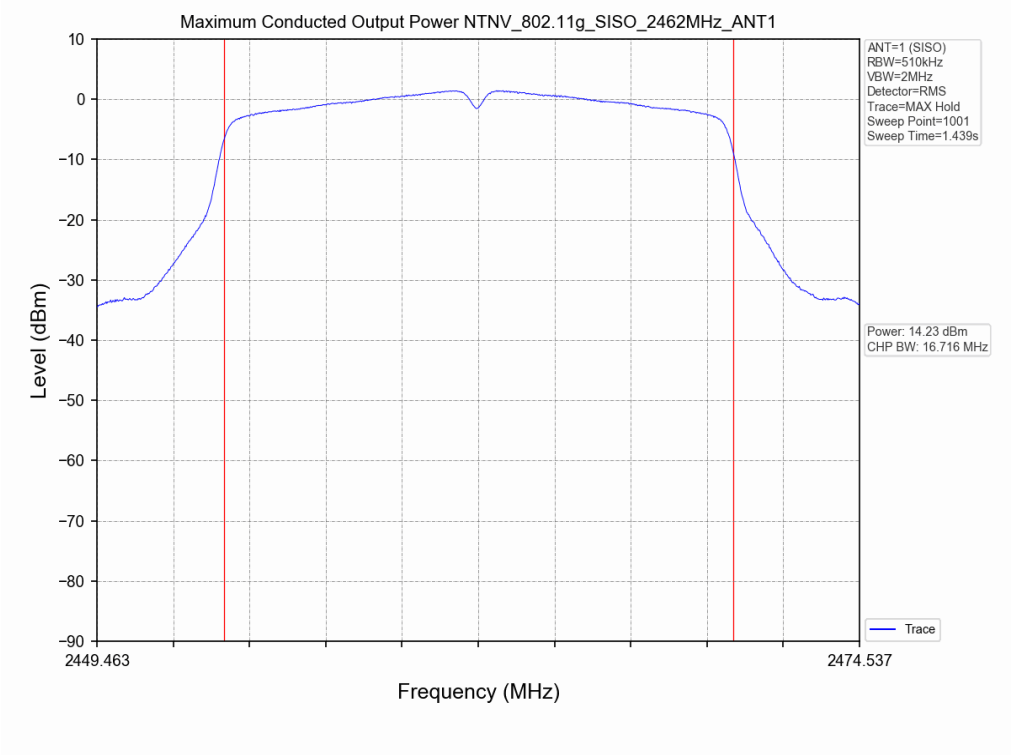

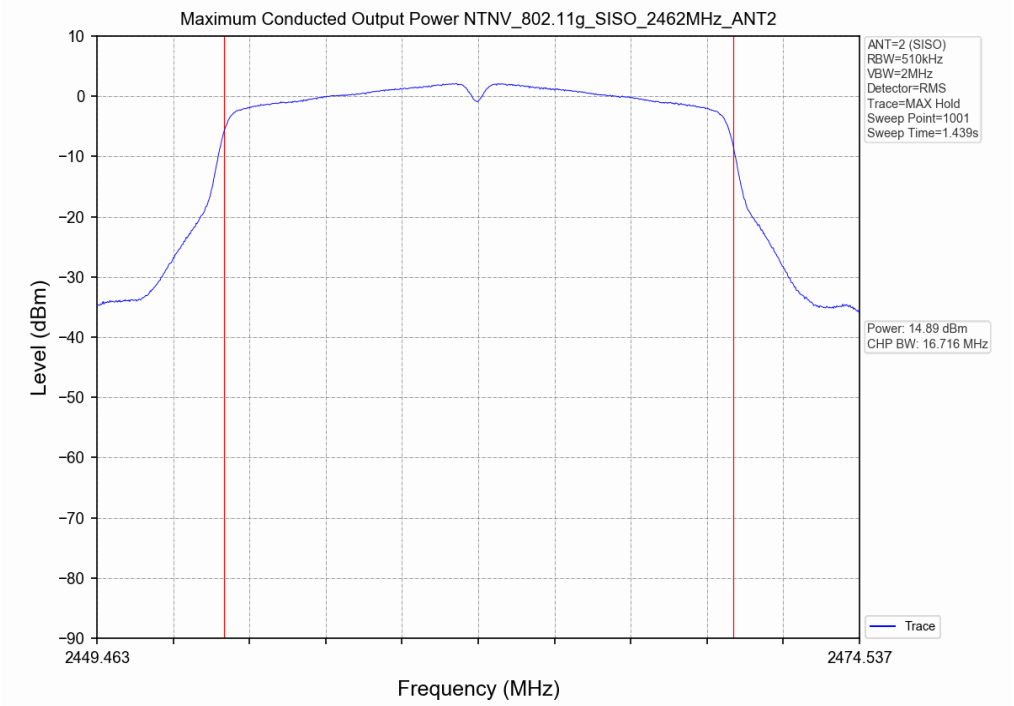

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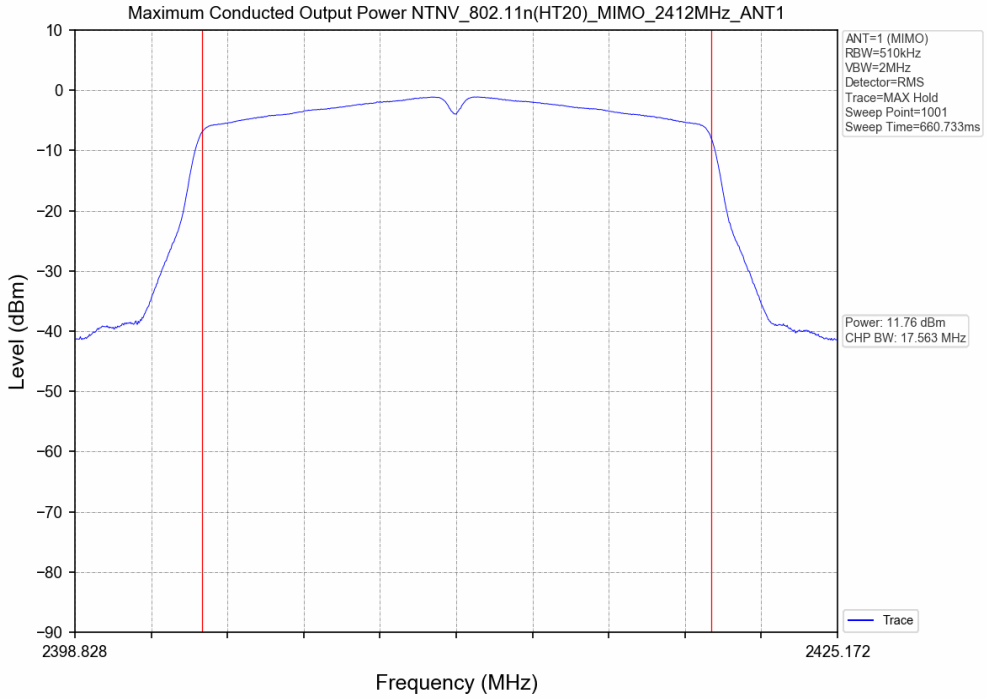

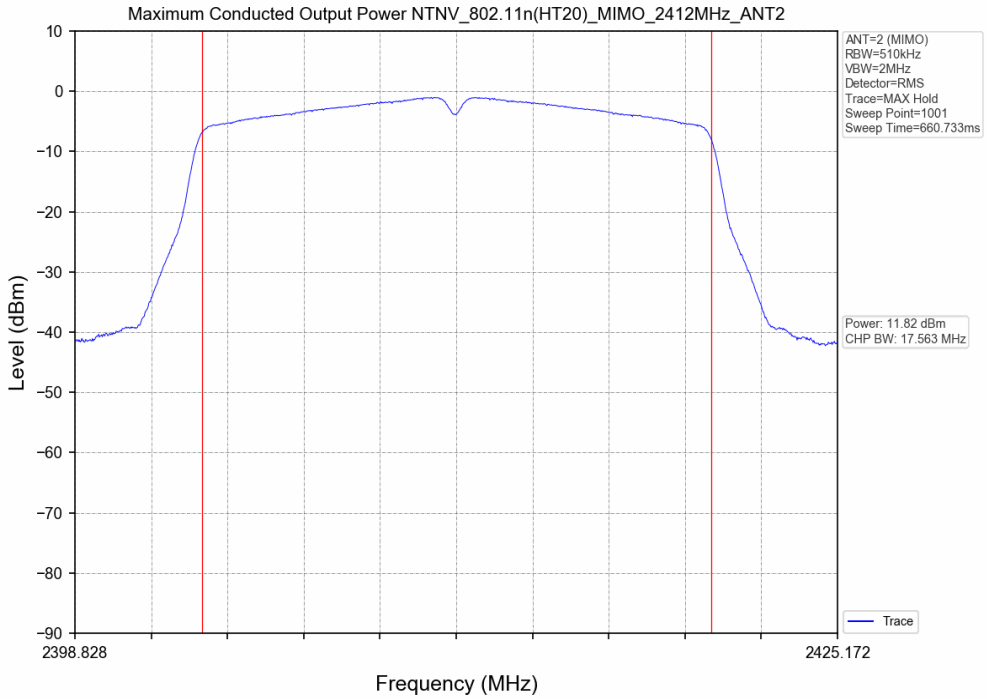

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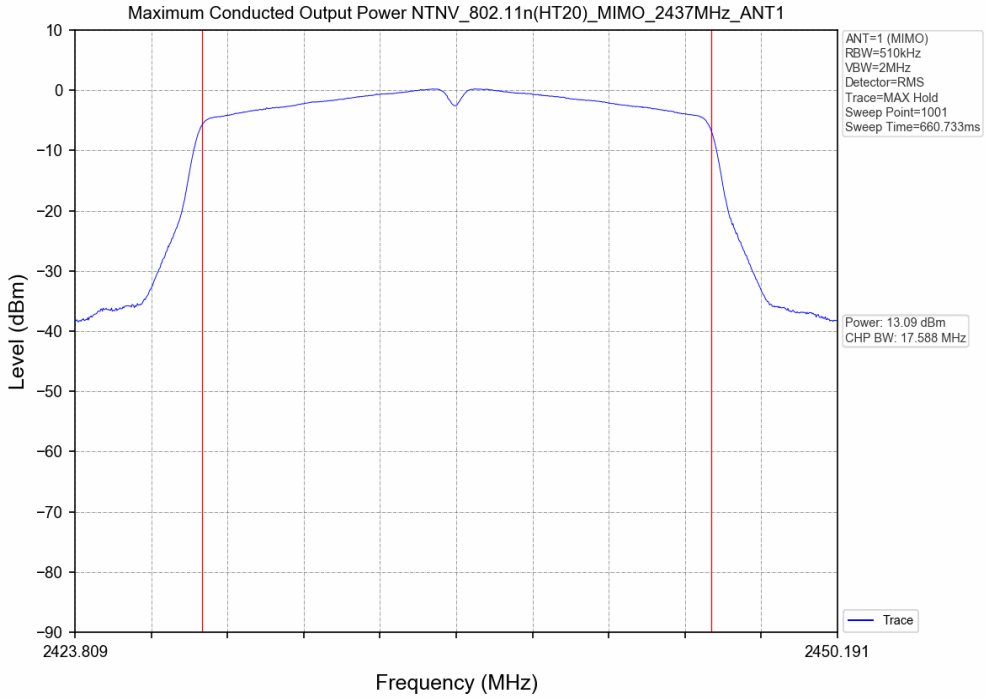

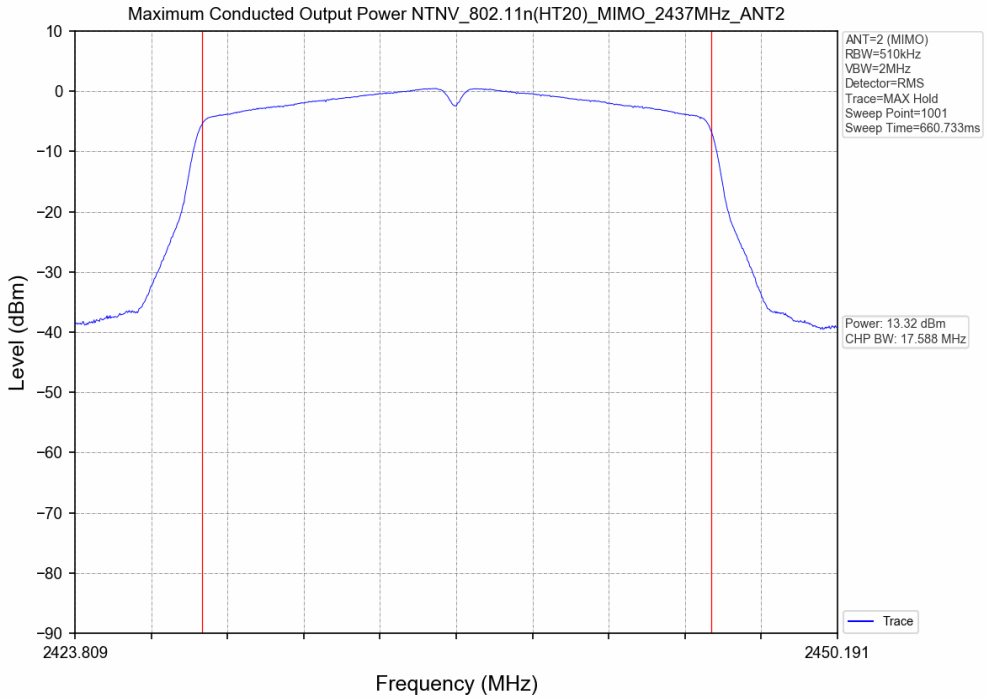

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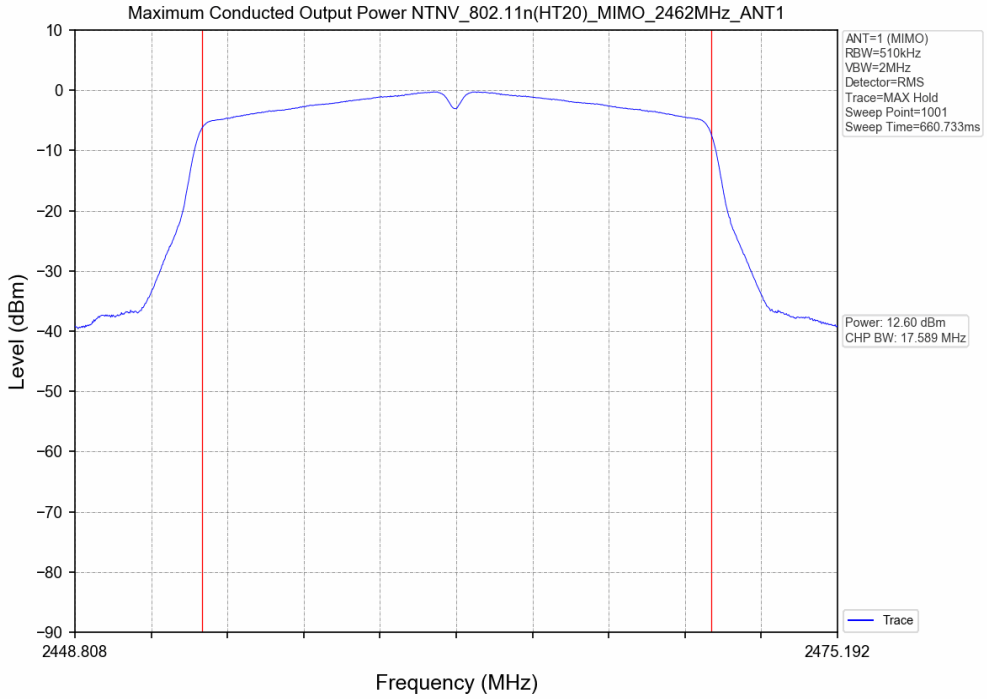

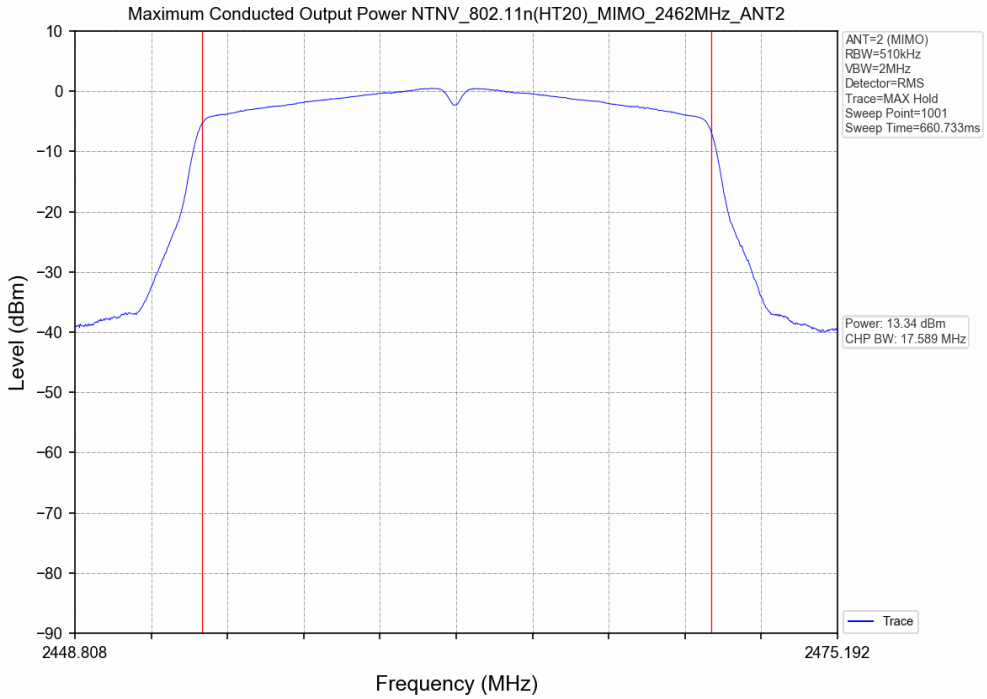

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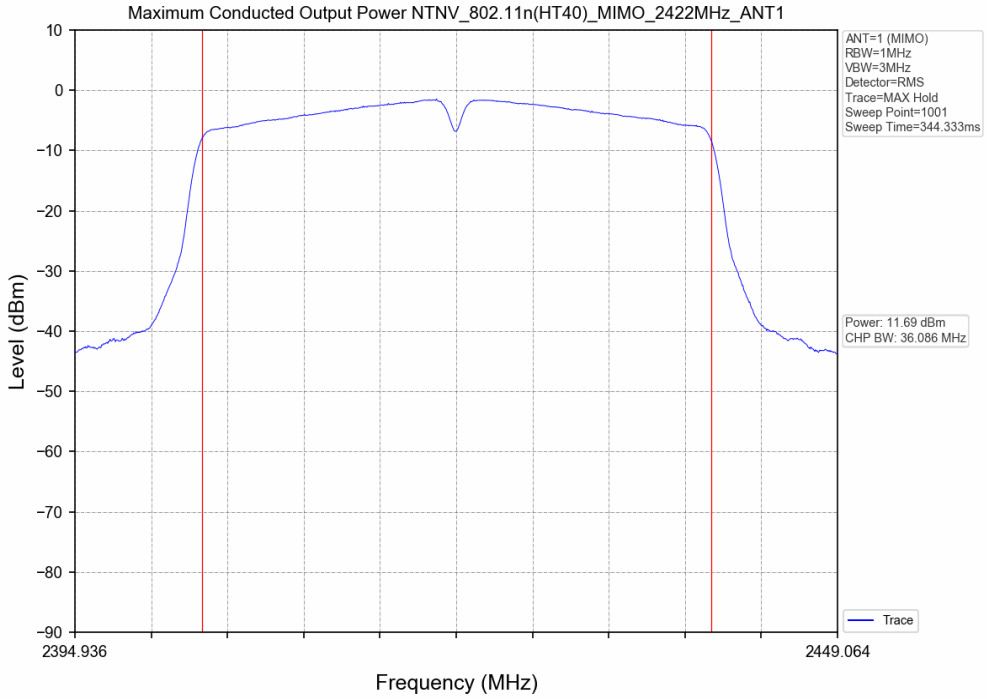

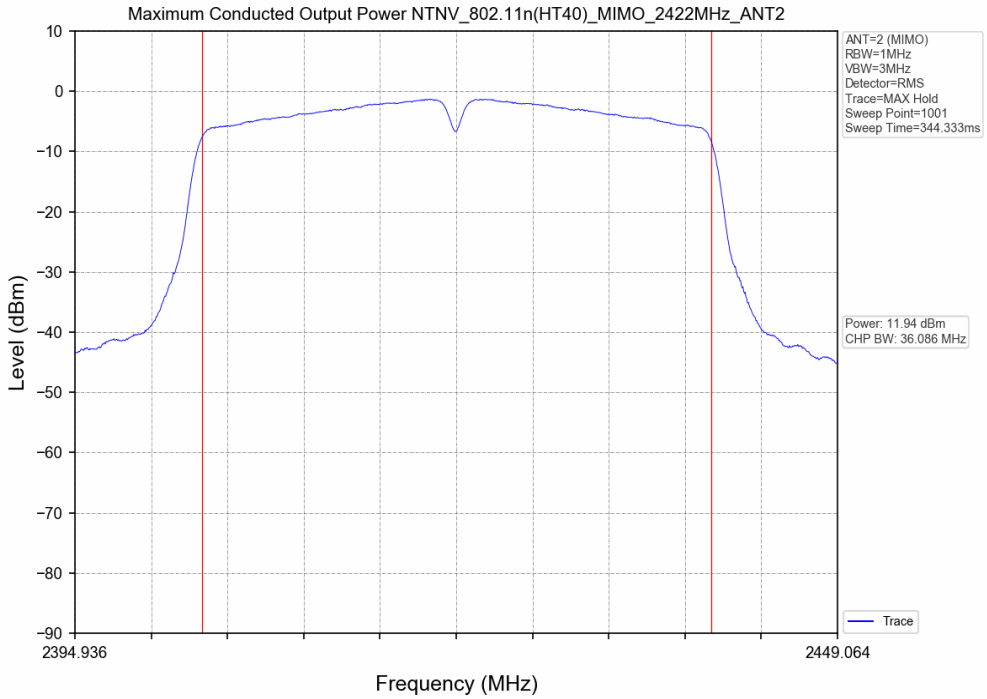

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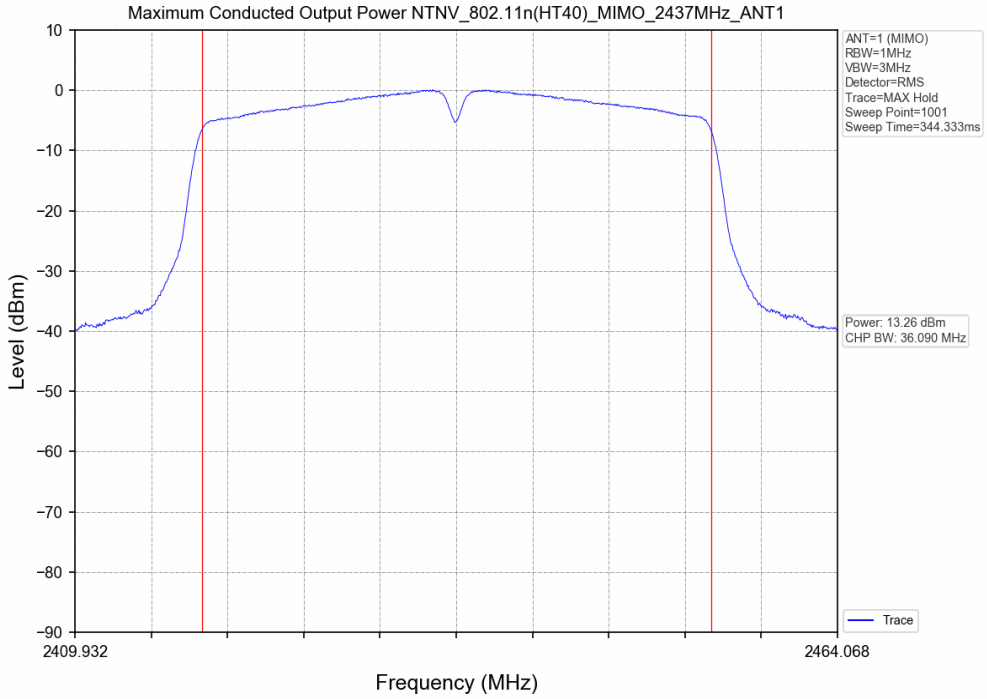

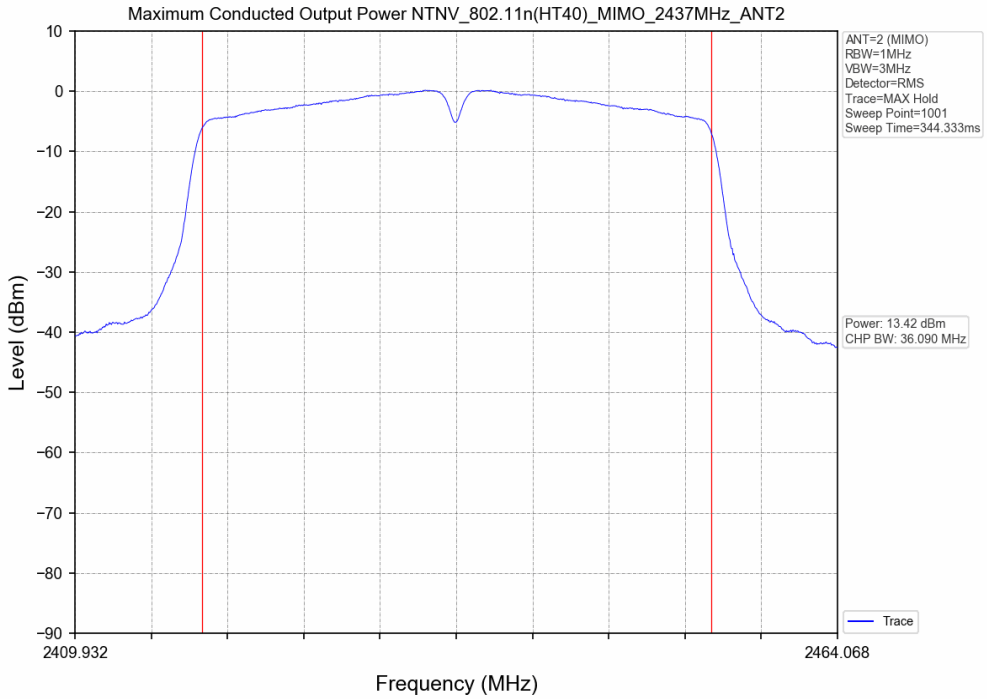

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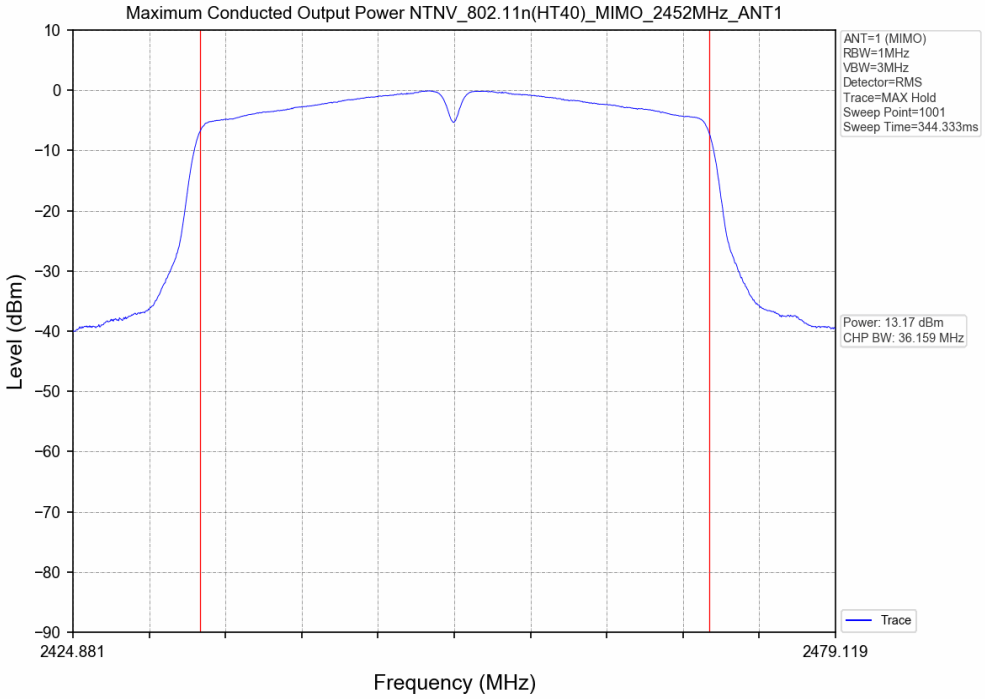

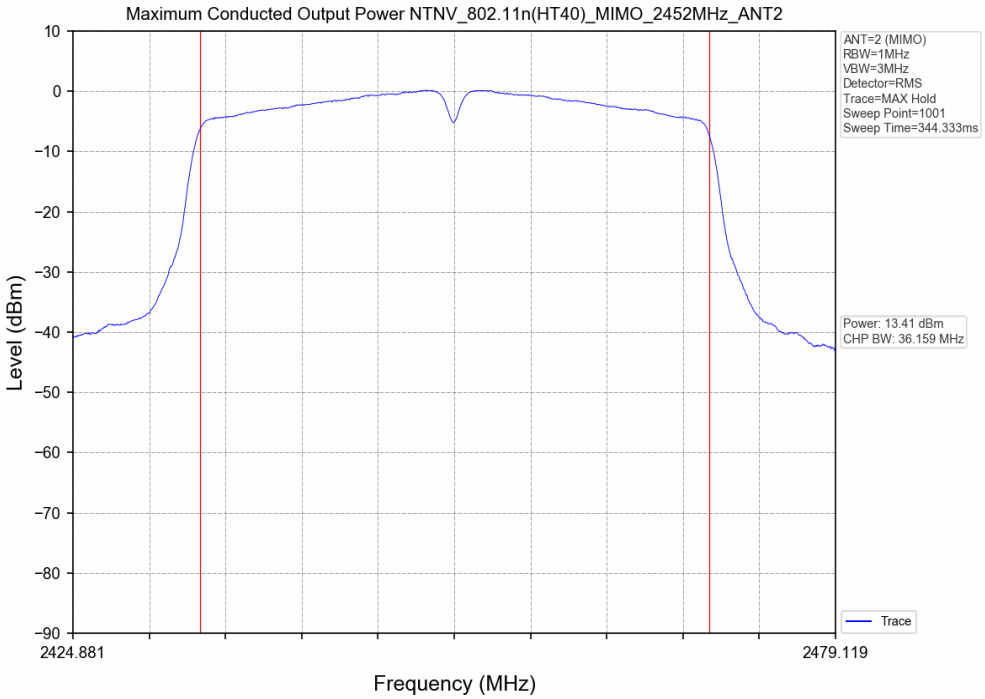

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4. Maximum Power Spectral Density (PSD)

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		
802.11b	2412	SISO	0.92	-0.28	/	≤8	PASS
	2437	SISO	1.14	2.63	/	≤8	PASS
	2462	SISO	1.82	3.86	/	≤8	PASS
802.11g	2412	SISO	-12.76	-12.85	/	≤8	PASS
	2437	SISO	-11.21	-10.76	/	≤8	PASS
	2462	SISO	-12.47	-11.60	/	≤8	PASS
802.11n(HT20)	2412	MIMO	-14.97	-14.70	-11.91	See note*	PASS
	2437	MIMO	-12.51	-12.38	-9.87	See note*	PASS
	2462	MIMO	-11.63	-12.58	-9.07	See note*	PASS
802.11n(HT40)	2422	MIMO	-16.58	-17.40	-14.19	See note*	PASS
	2437	MIMO	-15.60	-15.39	-12.90	See note*	PASS
	2452	MIMO	-15.52	-14.88	-12.76	See note*	PASS

Note: Directional gain $=G_{ANT}+10*\log(N_{ANT}/N_{SS})= 3.82+10*\log(2/1)=6.83$dBi.

So, the PSD limit for SISO mode of 802.11n is 8dBm/3KHz, the PSD limit for MIMO mode of 802.11n is 7.17dBm/3KHz.

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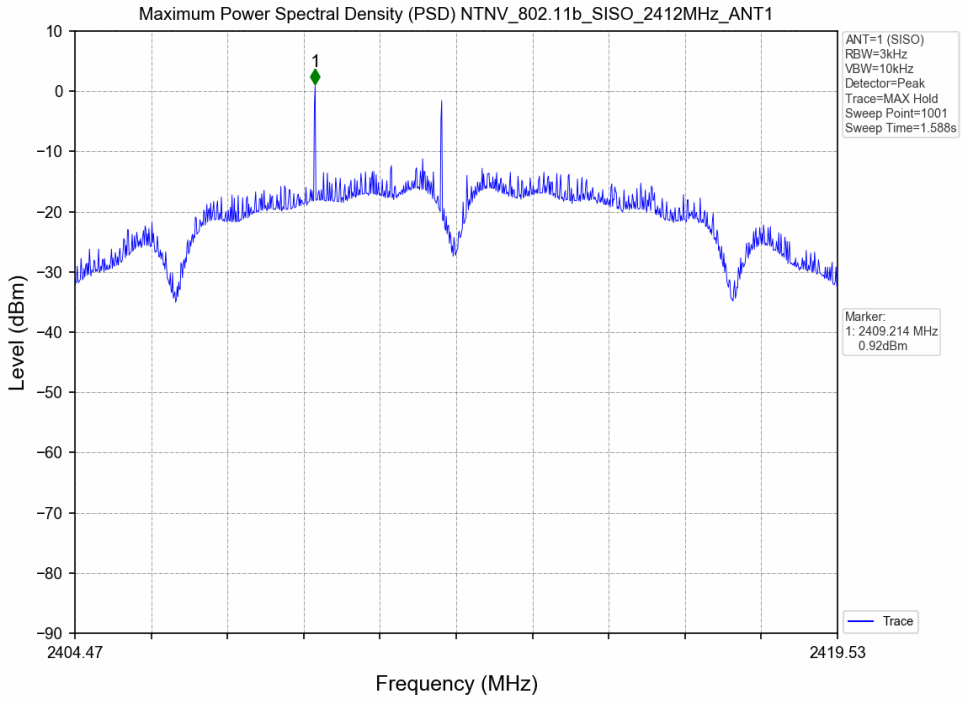
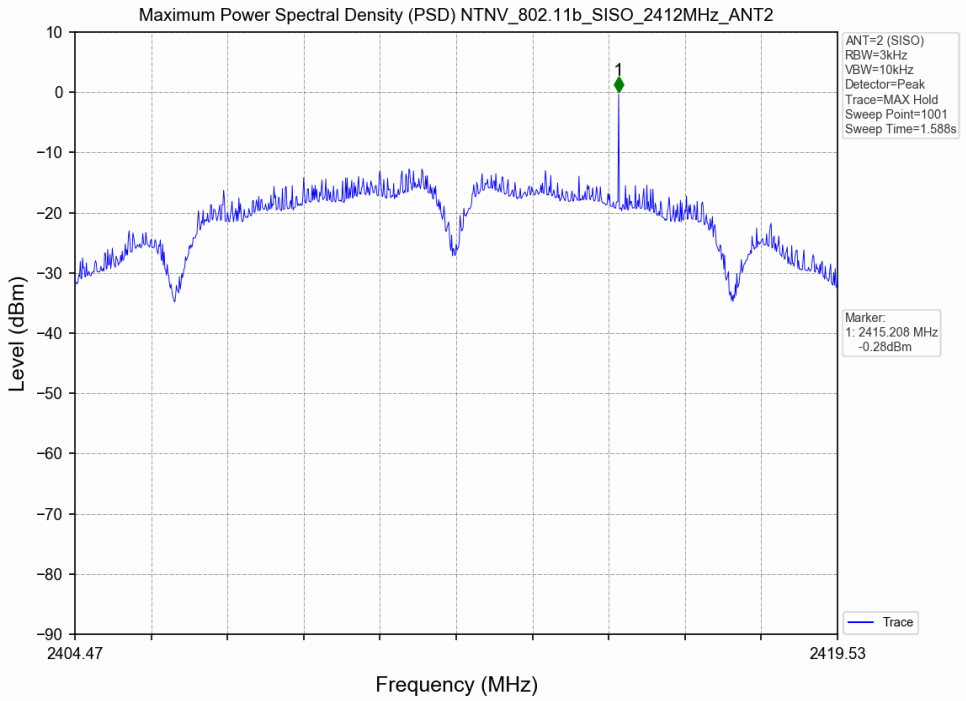
4.2 Test Graph





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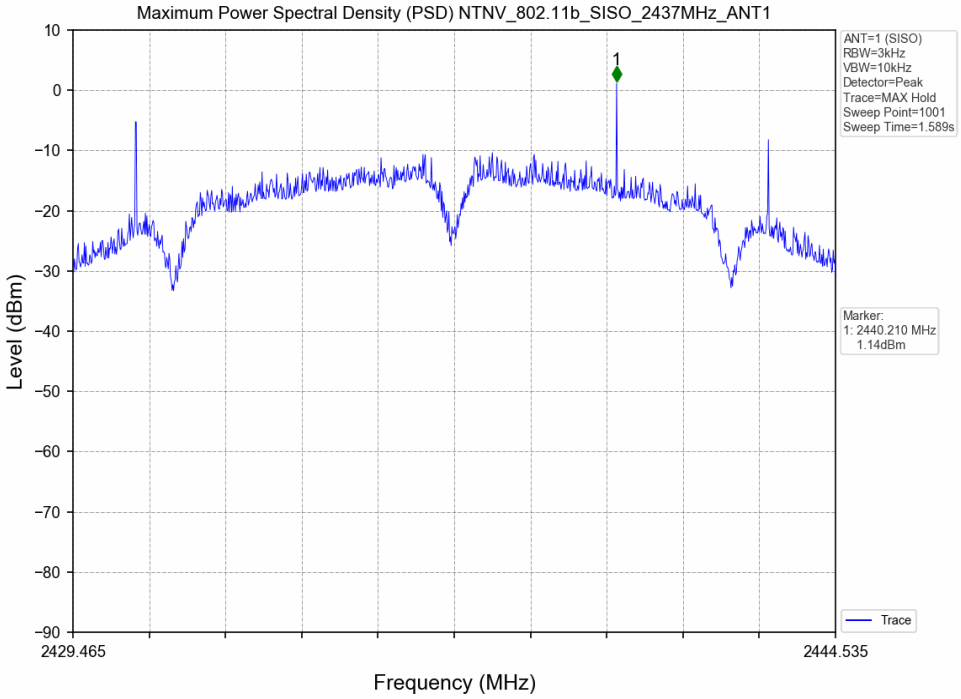

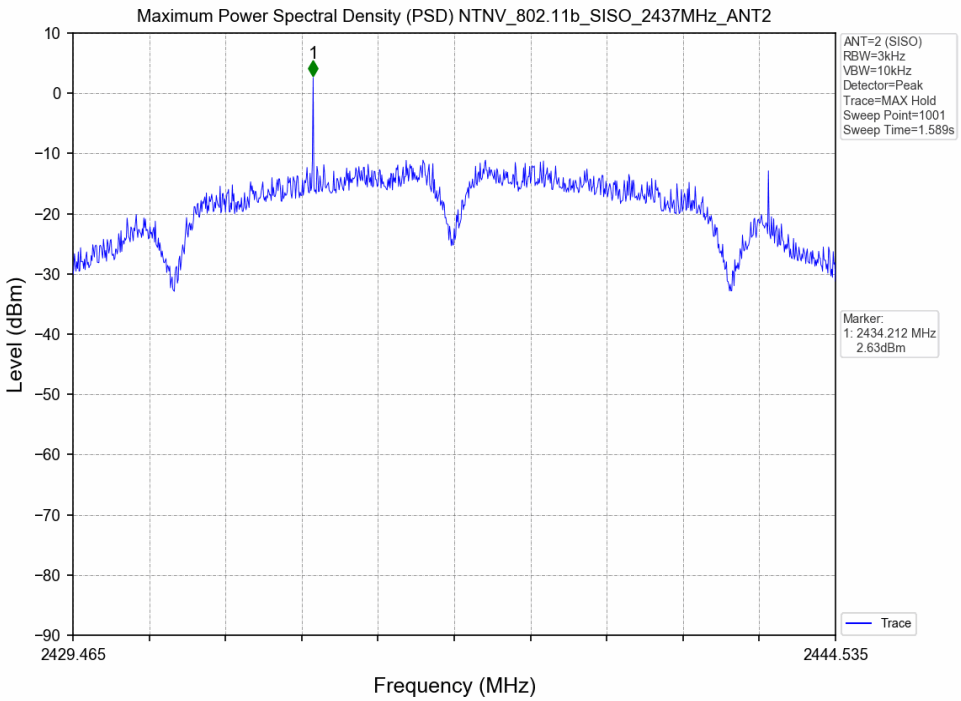

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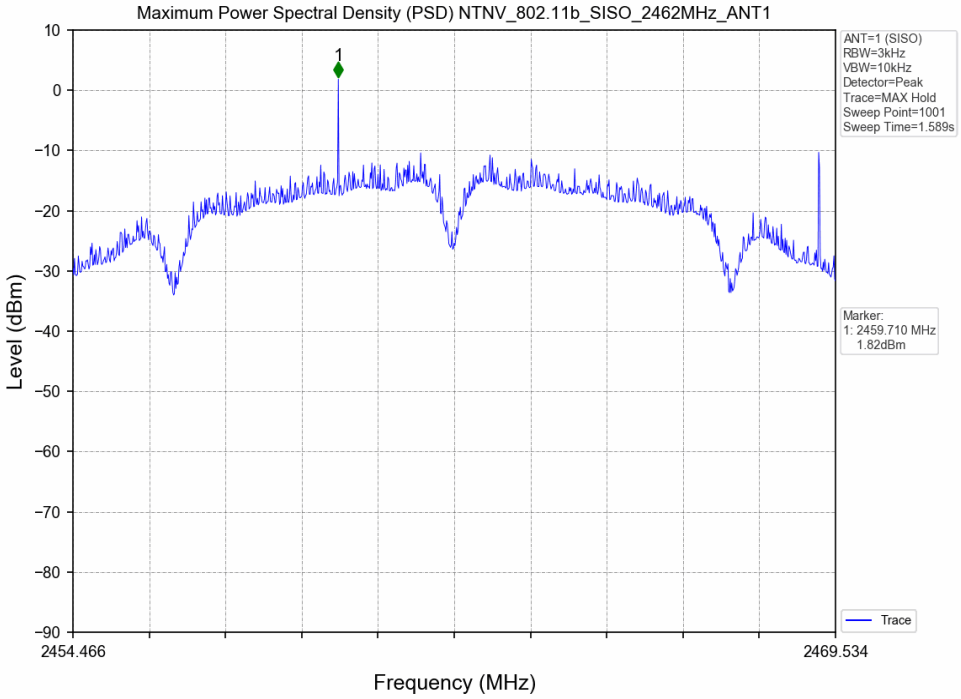

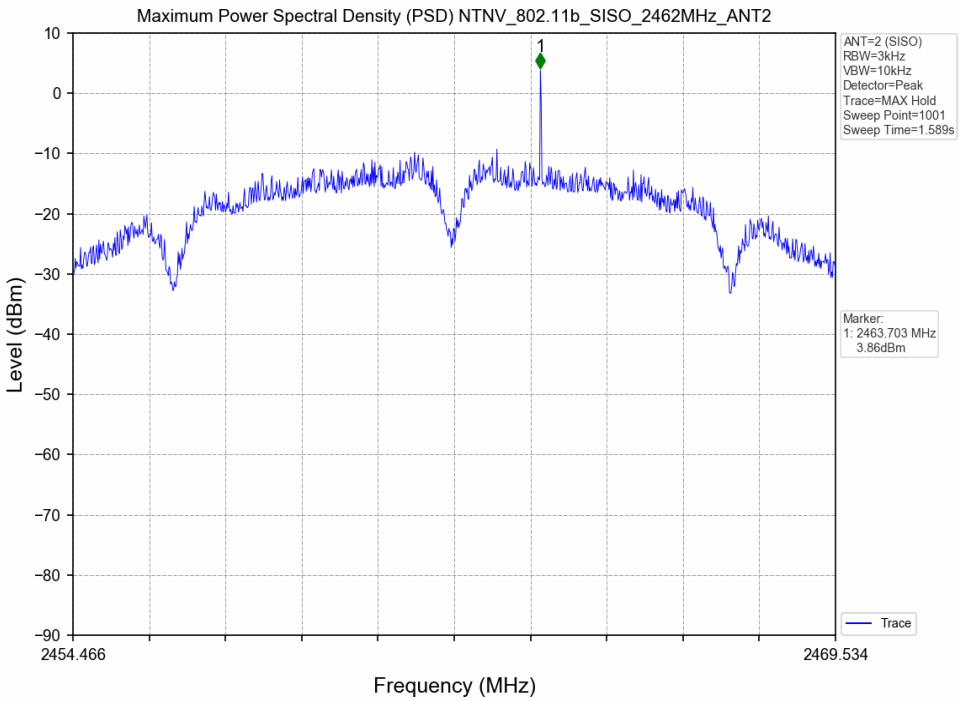

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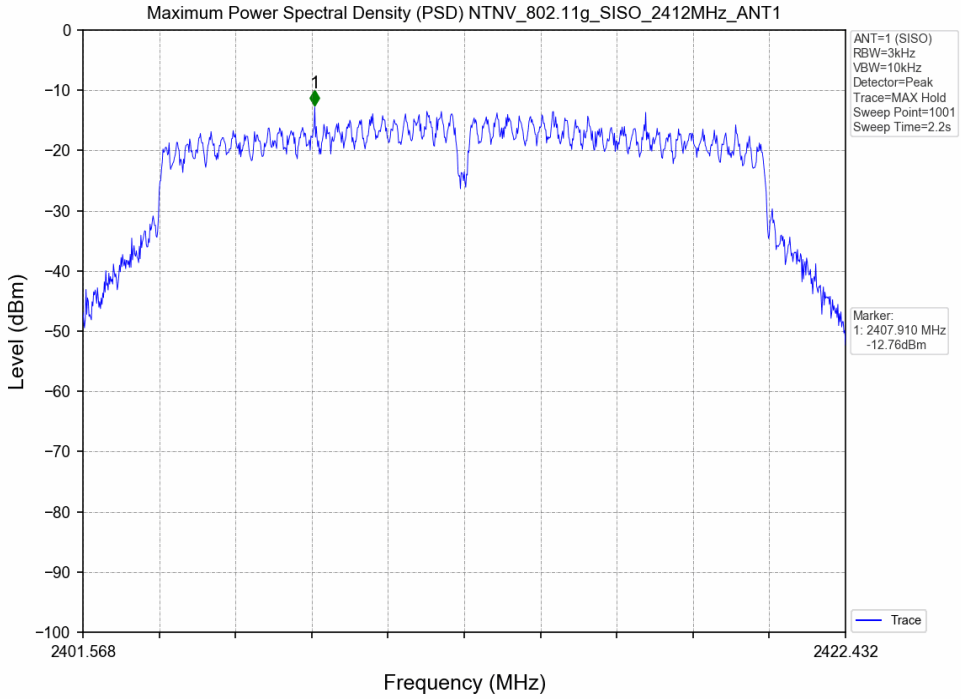

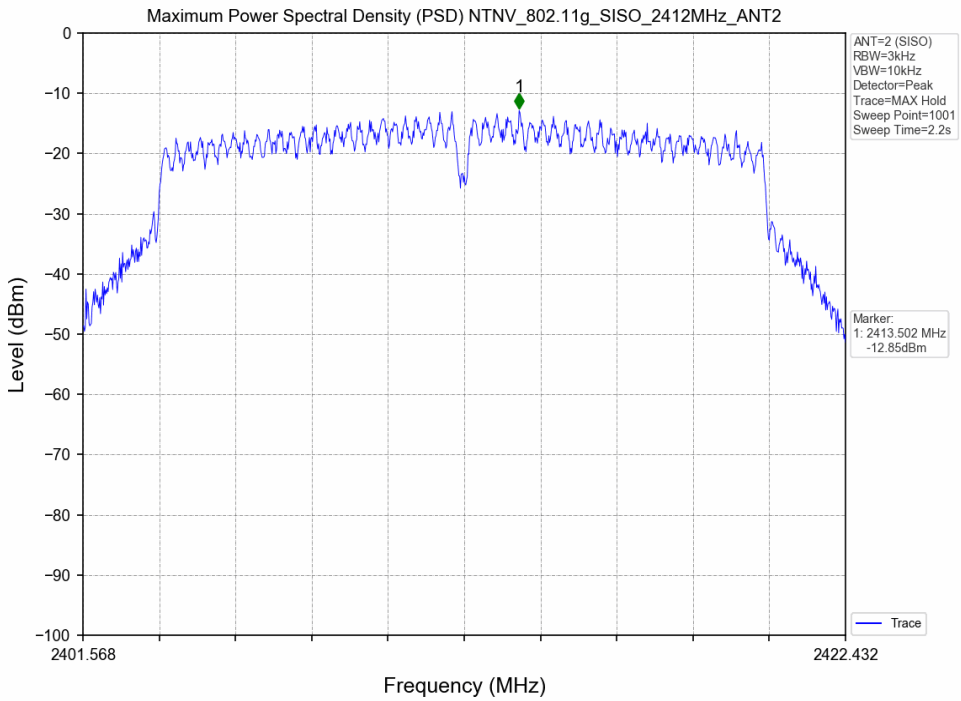

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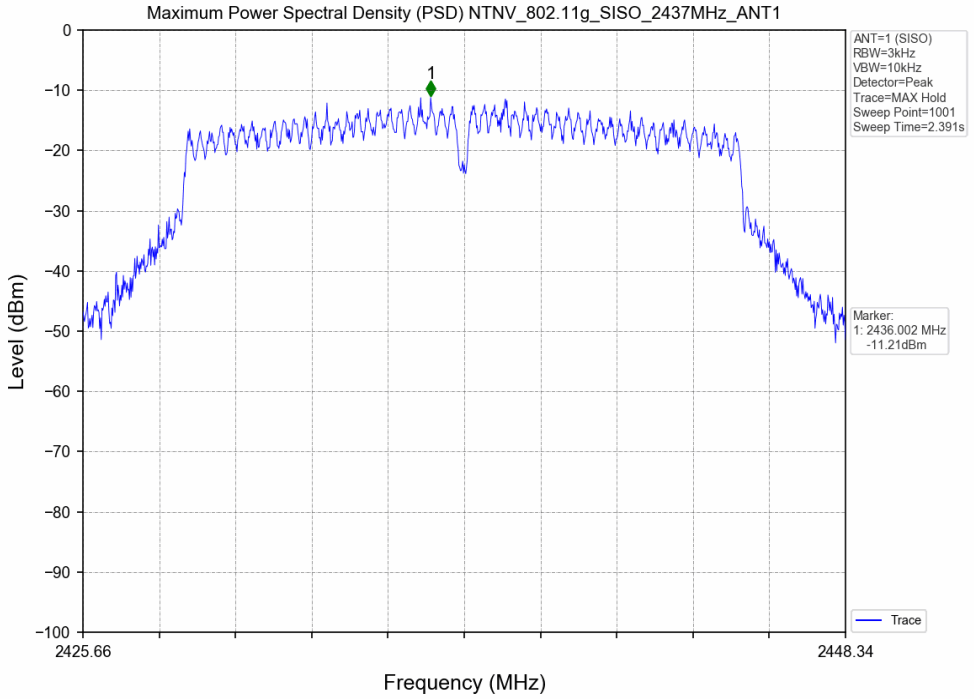

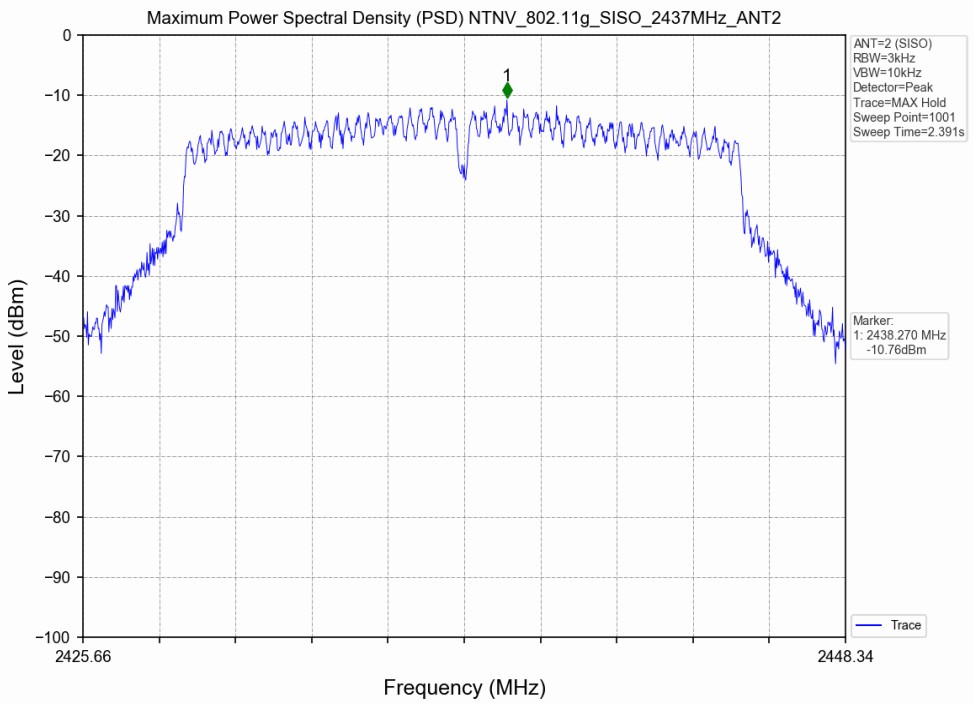

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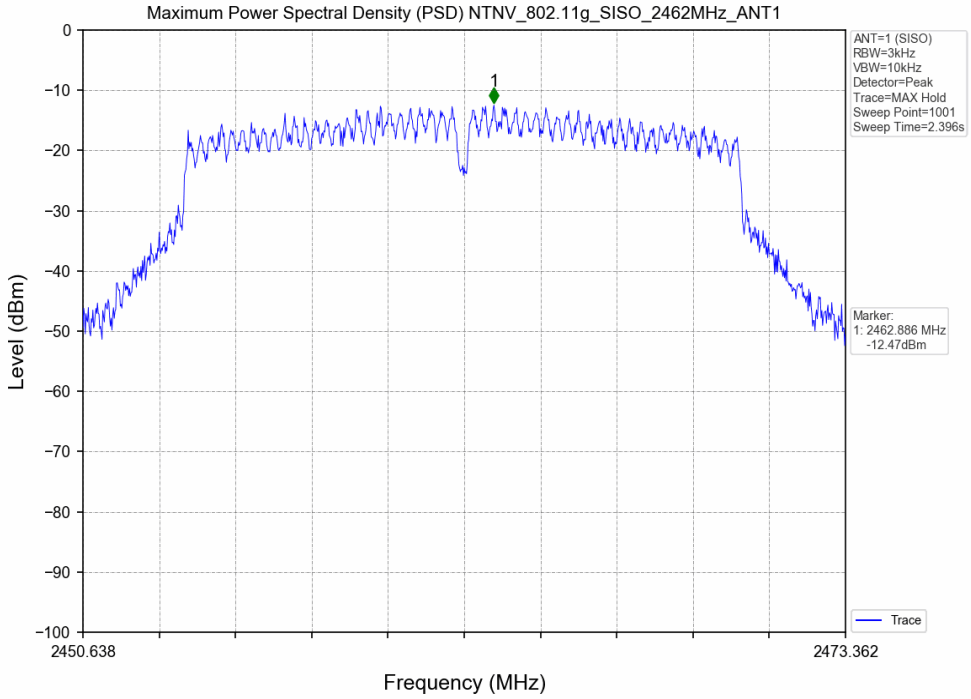

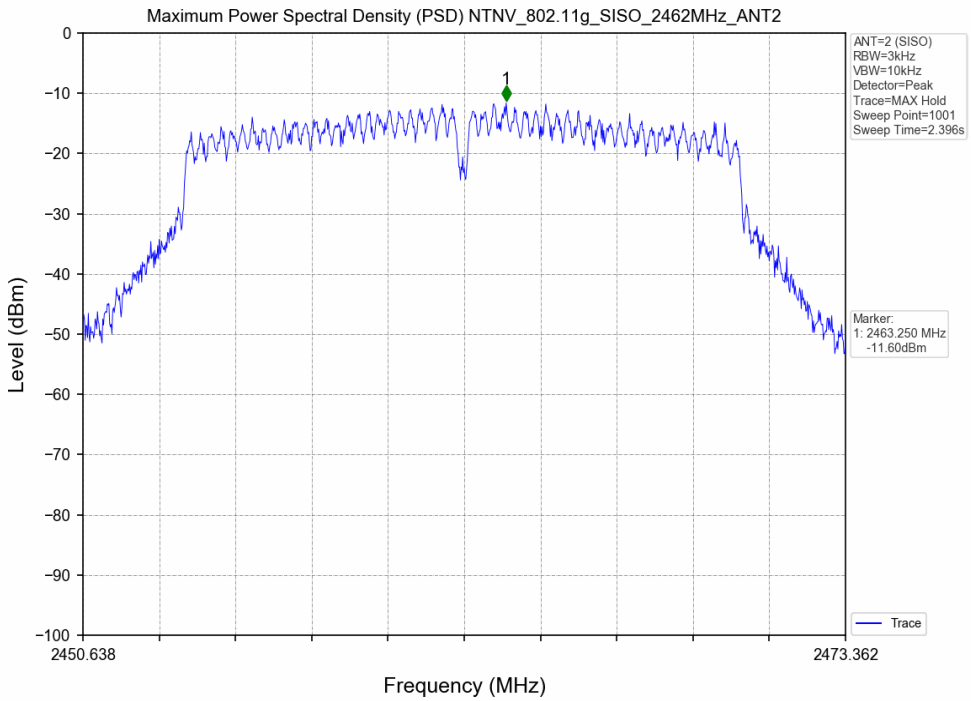

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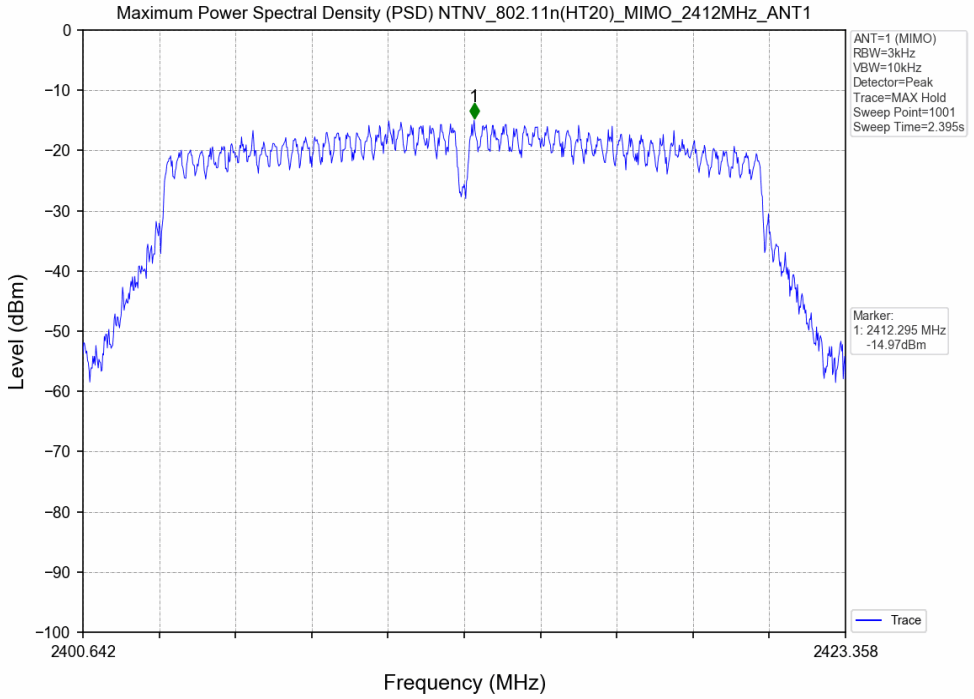

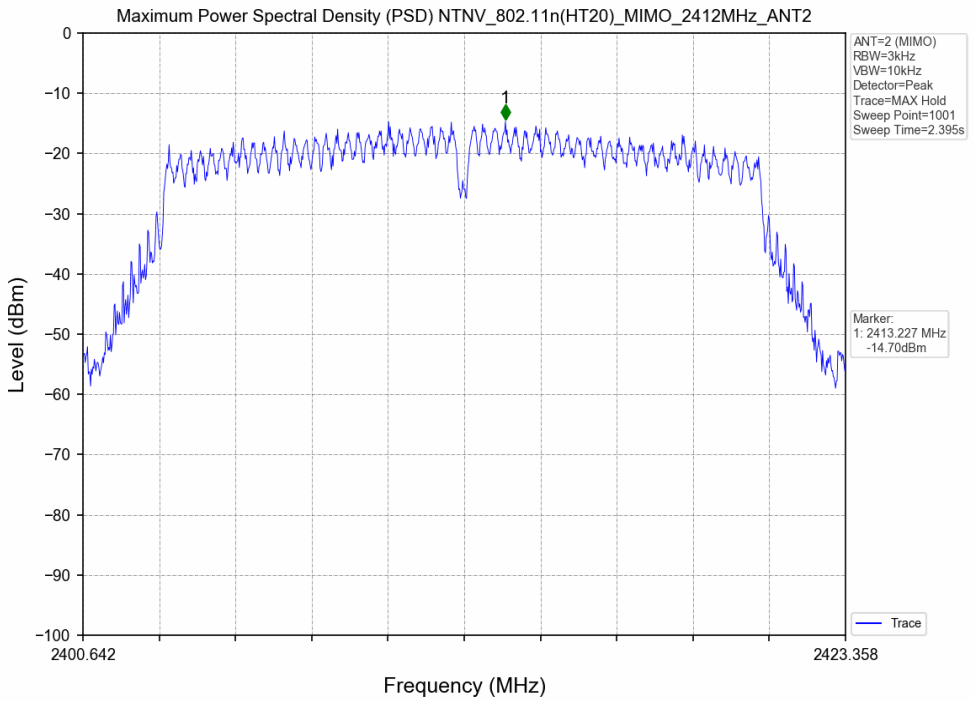

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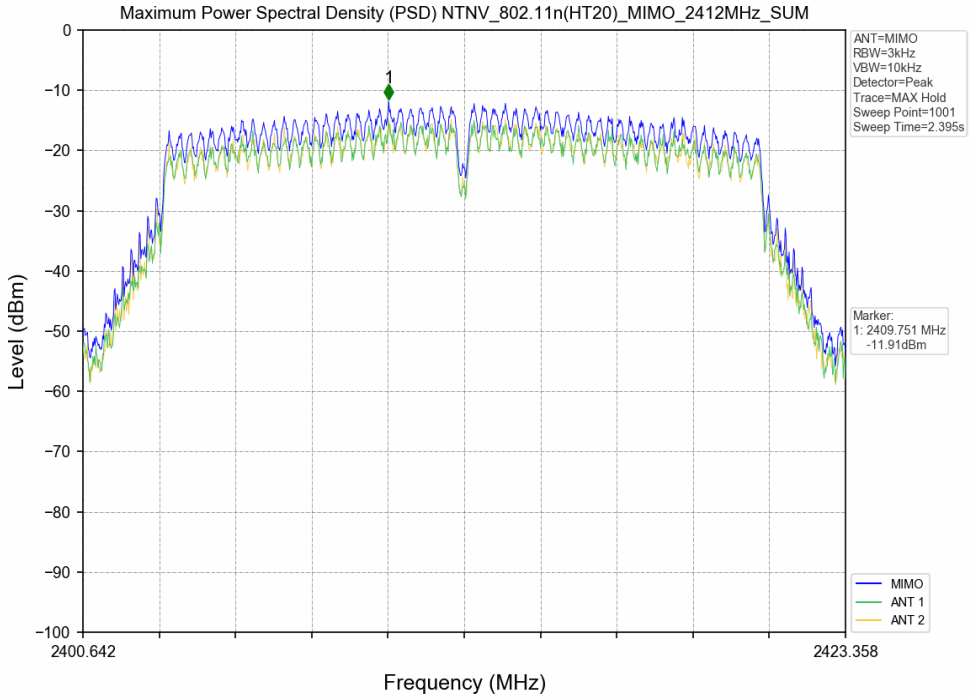

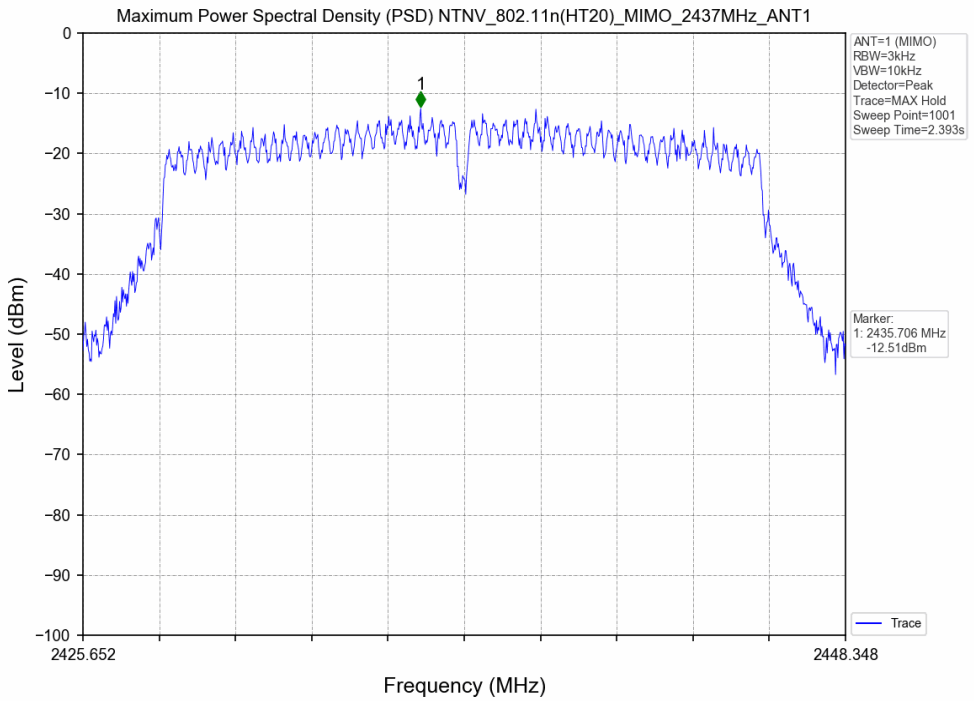

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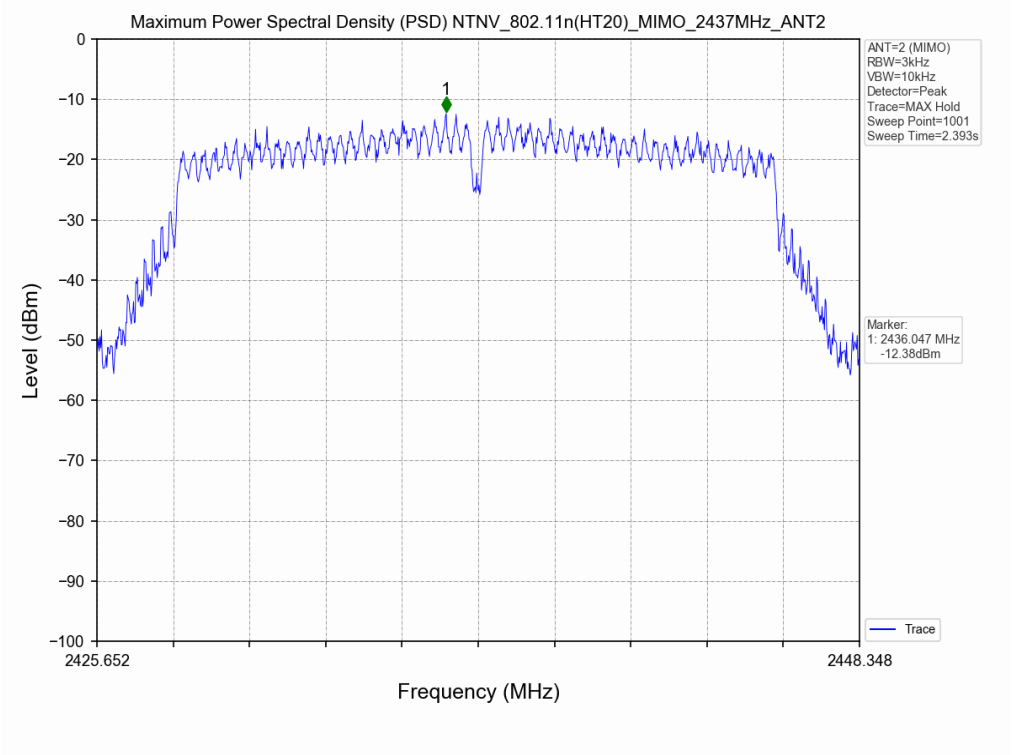

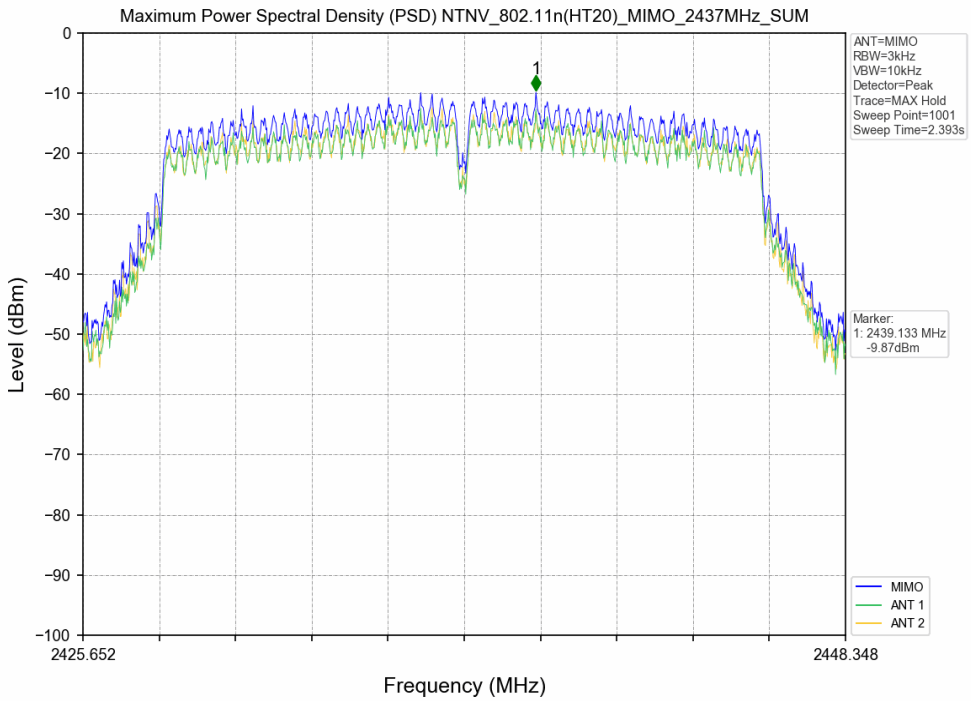

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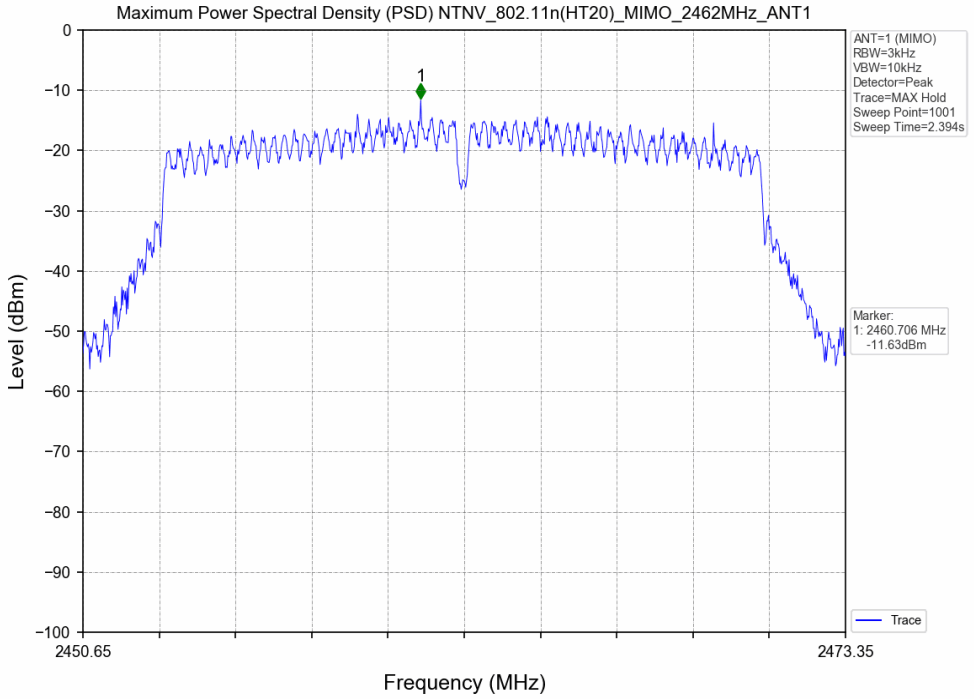

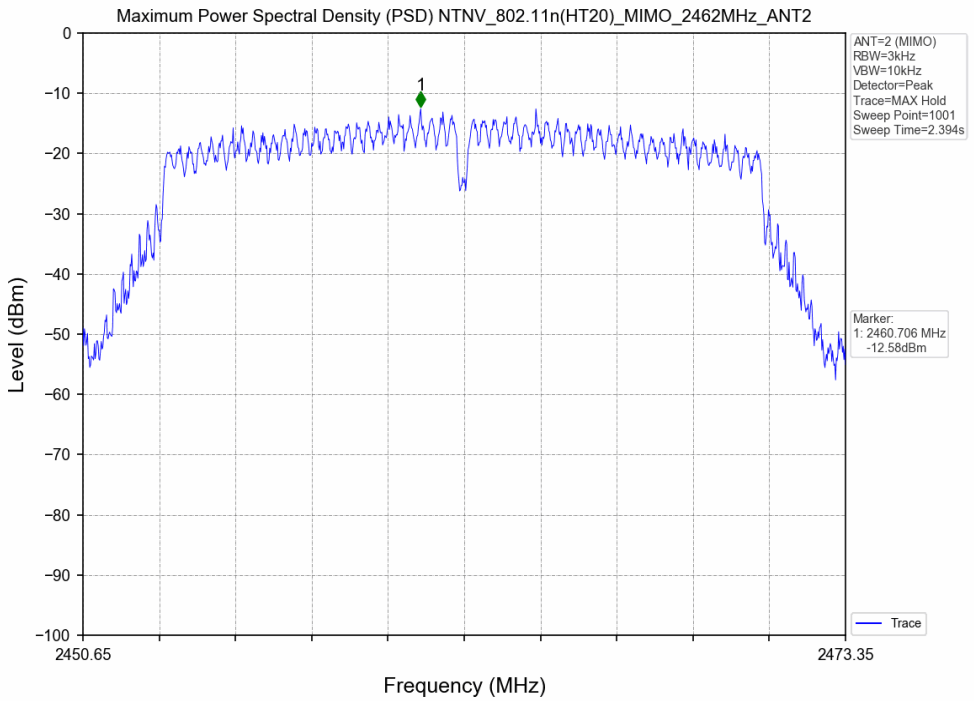

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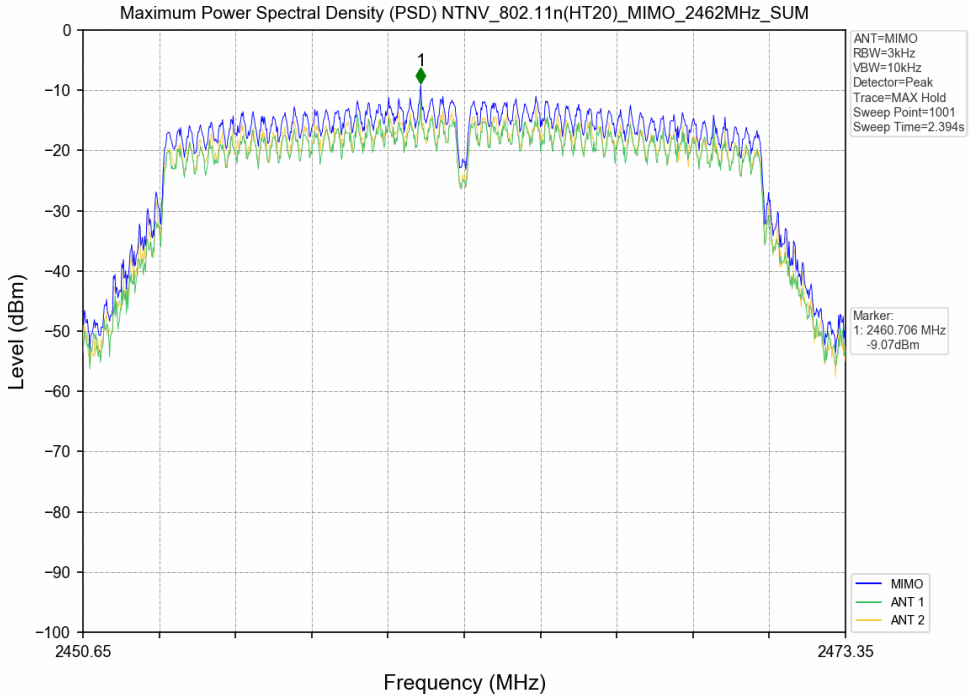

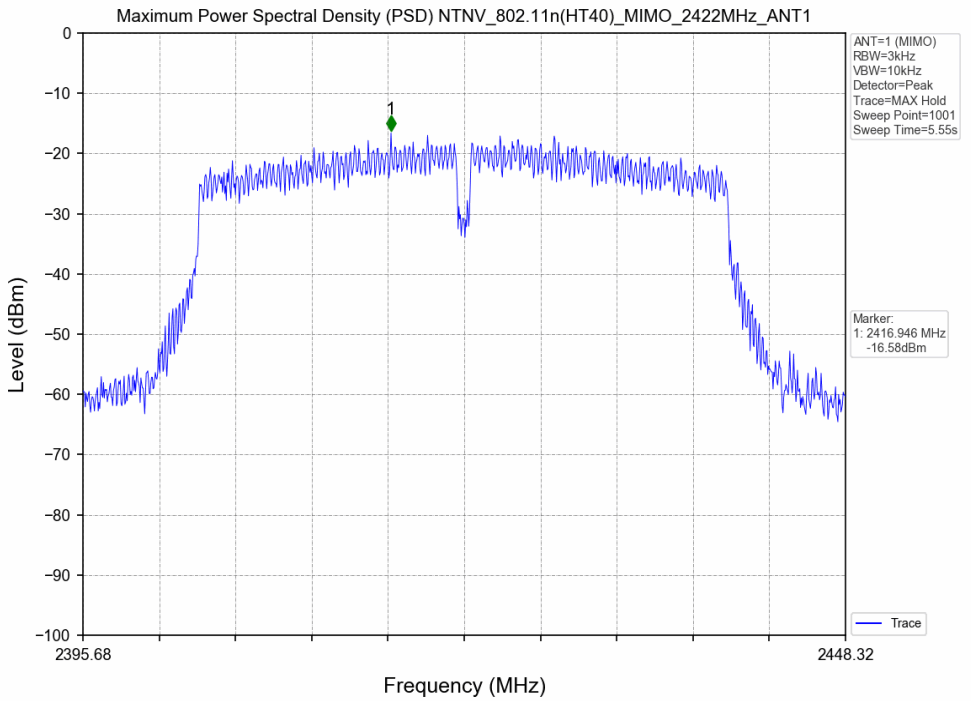

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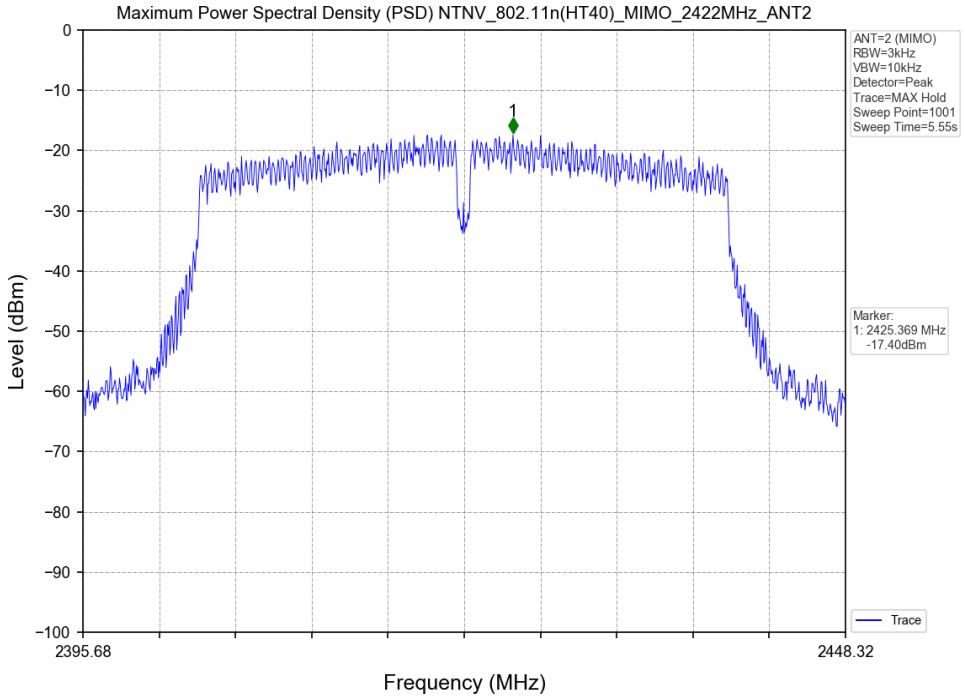

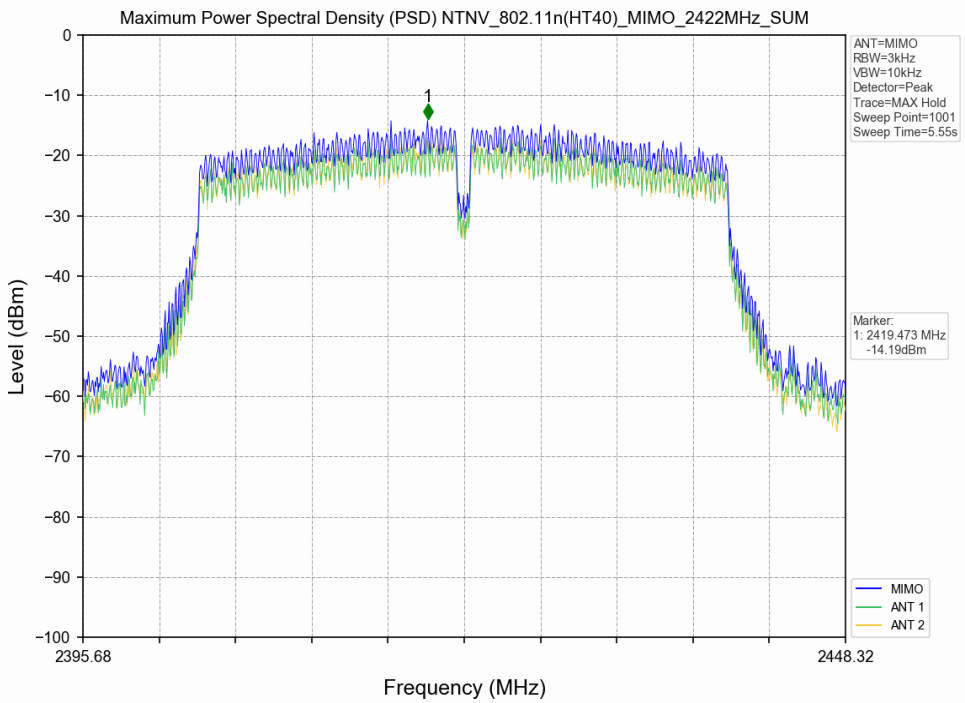

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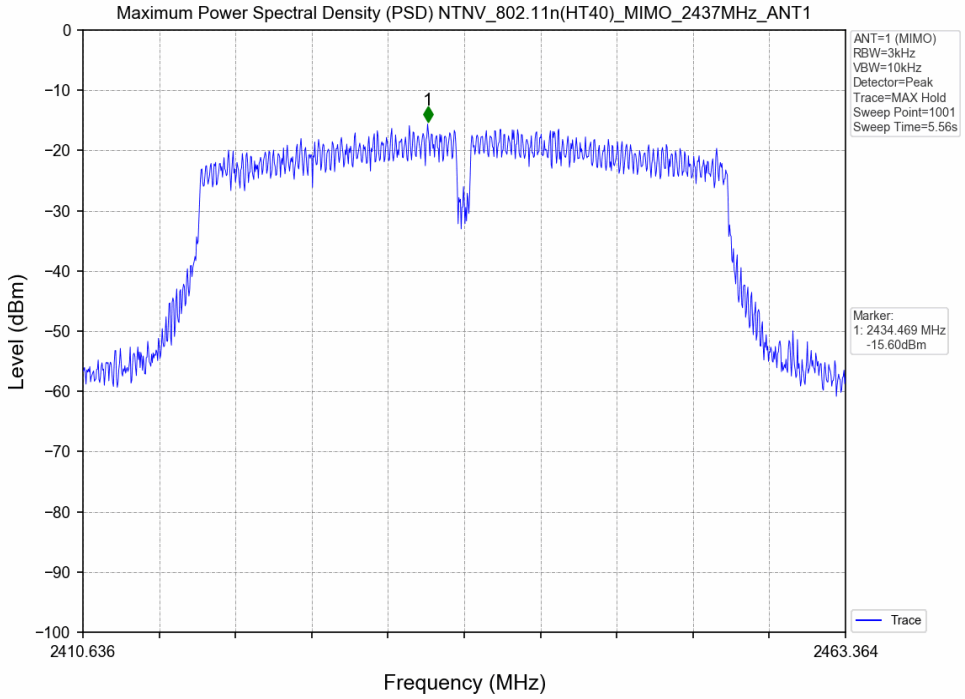

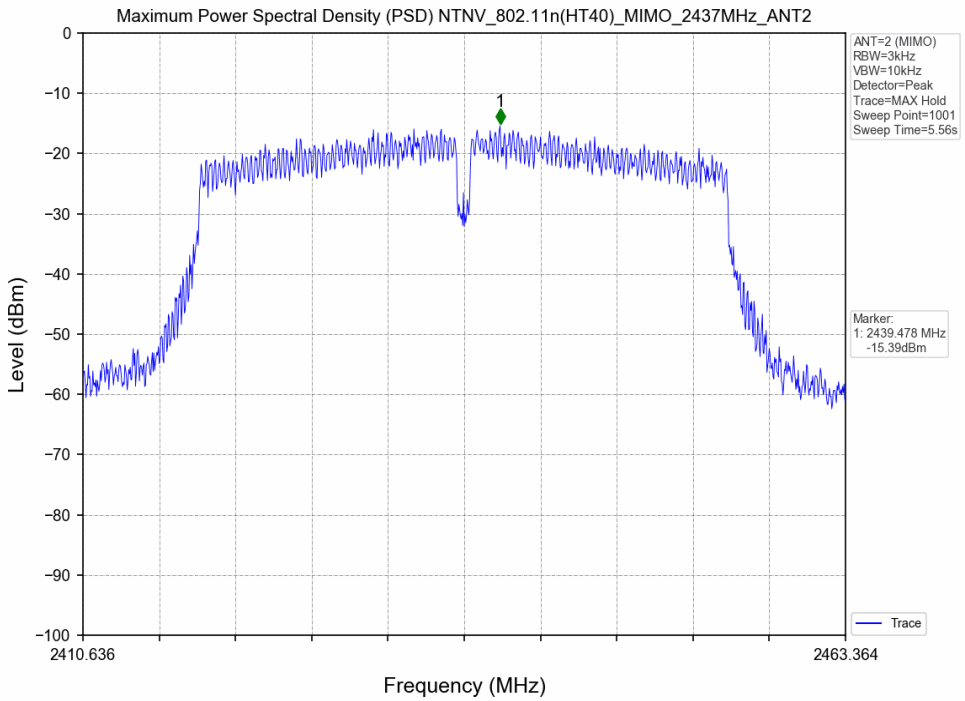

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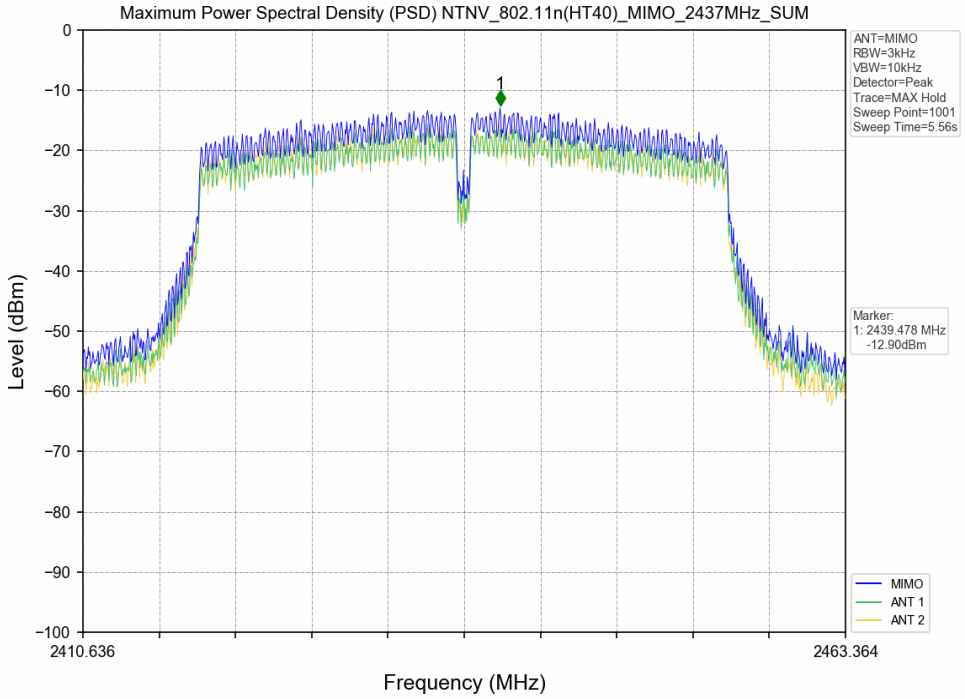

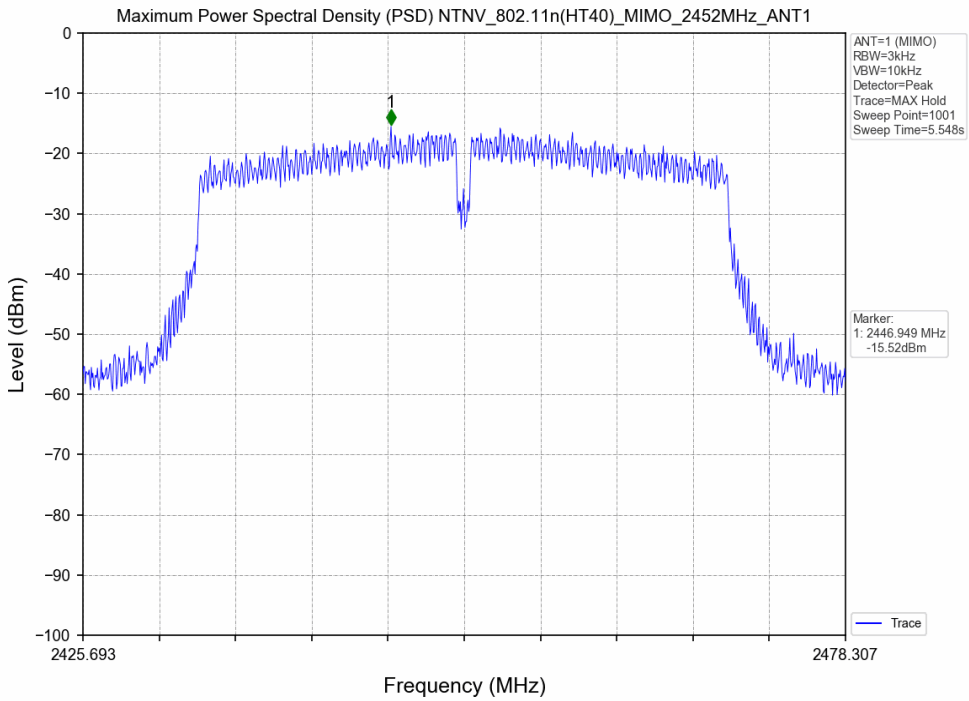

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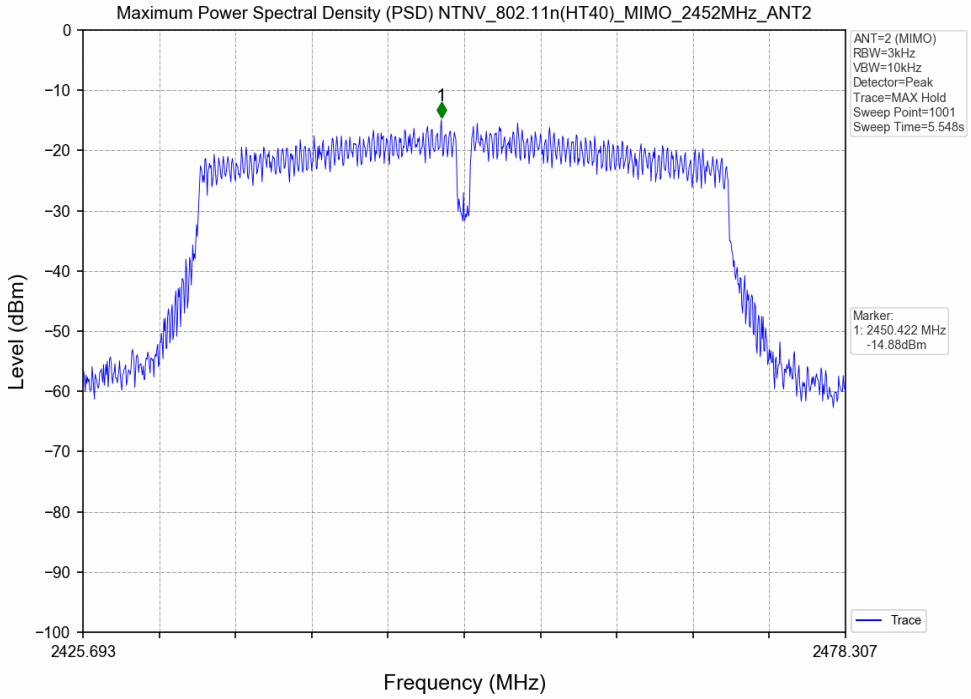

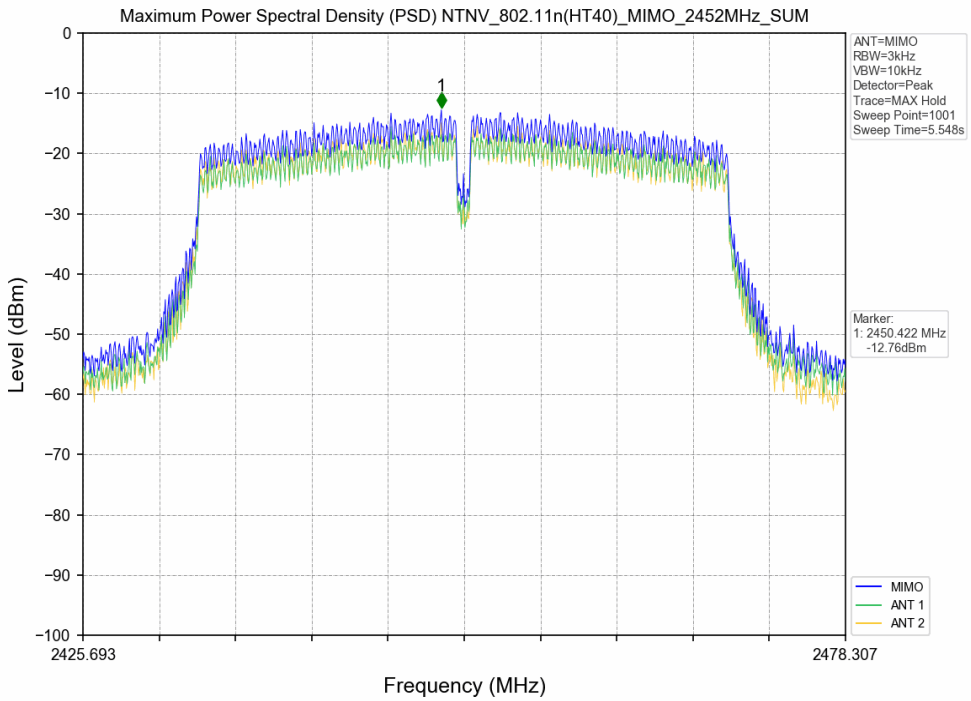

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5. Unwanted Emissions in Non-restricted Frequency Bands

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	-24.49	PASS
	2437	SISO	1	Refer to test graph	-24.49	PASS
	2462	SISO	1	Refer to test graph	-24.49	PASS
802.11g	2412	SISO	1	Refer to test graph	-24.50	PASS
	2437	SISO	1	Refer to test graph	-24.50	PASS
	2462	SISO	1	Refer to test graph	-24.50	PASS
802.11n(HT20)	2412	MIMO	MIMO	Refer to test graph	-26.02	PASS
	2437	MIMO	MIMO	Refer to test graph	-26.02	PASS
	2462	MIMO	MIMO	Refer to test graph	-26.02	PASS
802.11n(HT40)	2422	MIMO	MIMO	Refer to test graph	-29.31	PASS
	2437	MIMO	MIMO	Refer to test graph	-29.31	PASS
	2452	MIMO	MIMO	Refer to test graph	-29.31	PASS

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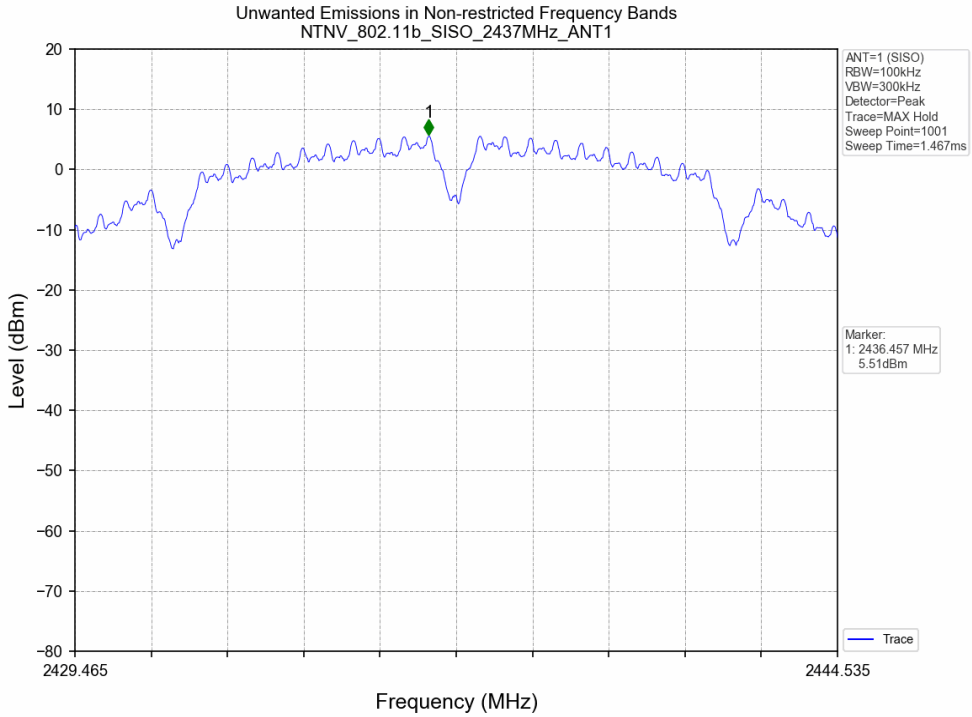
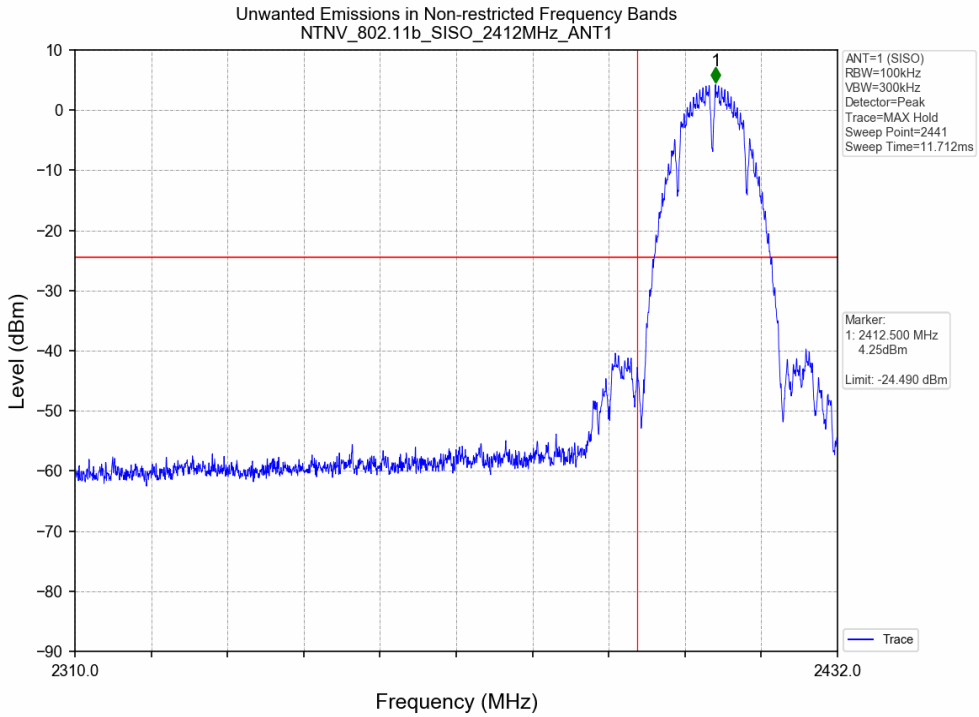
5.2 Test Graph





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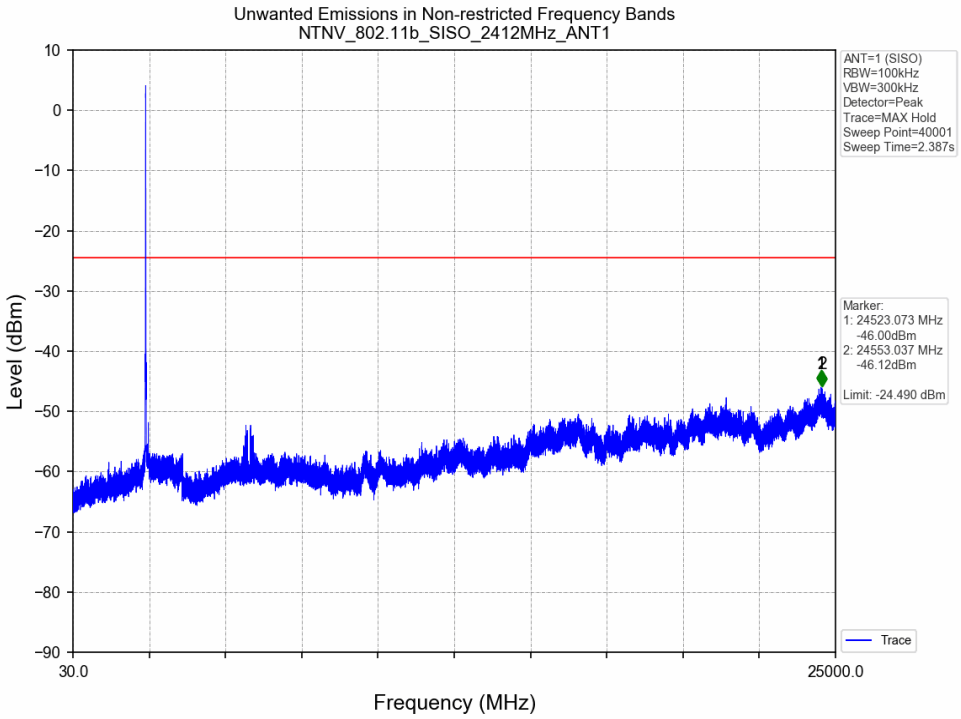

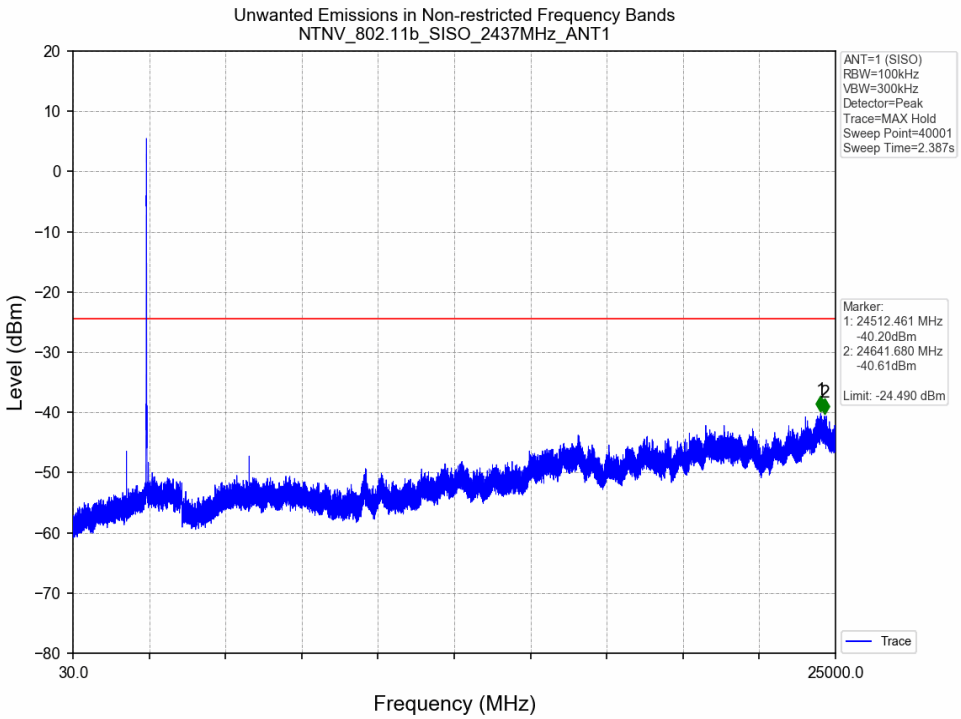

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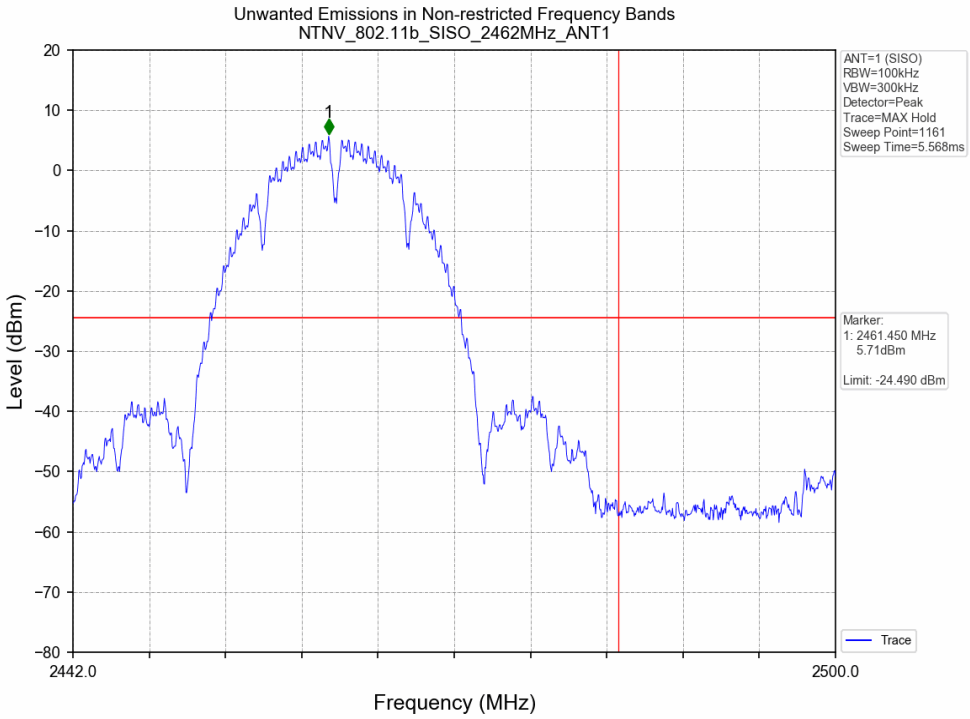

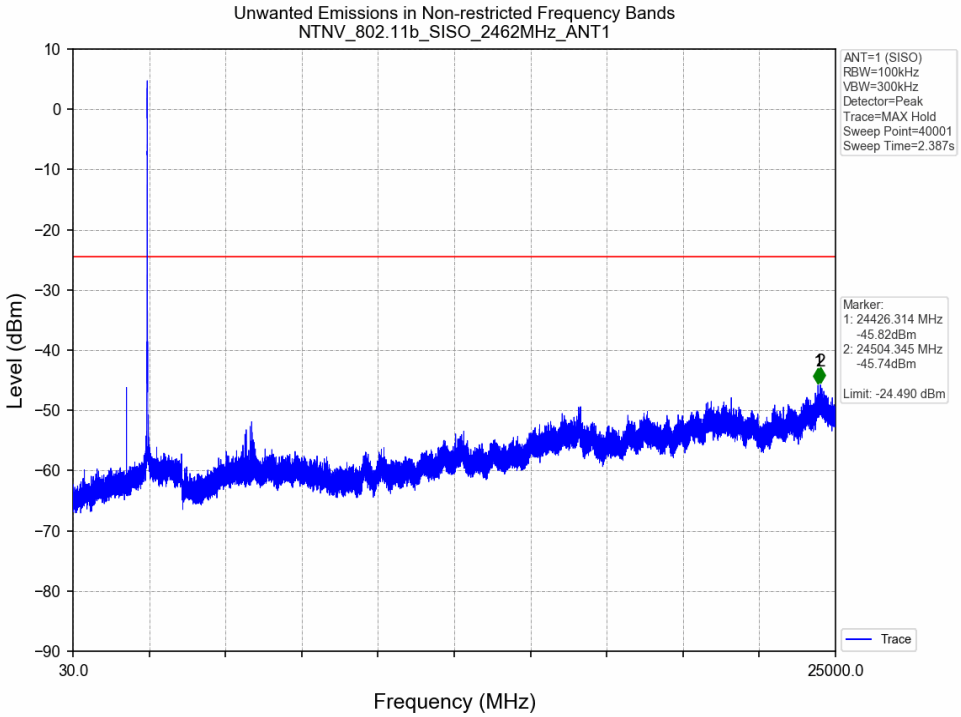

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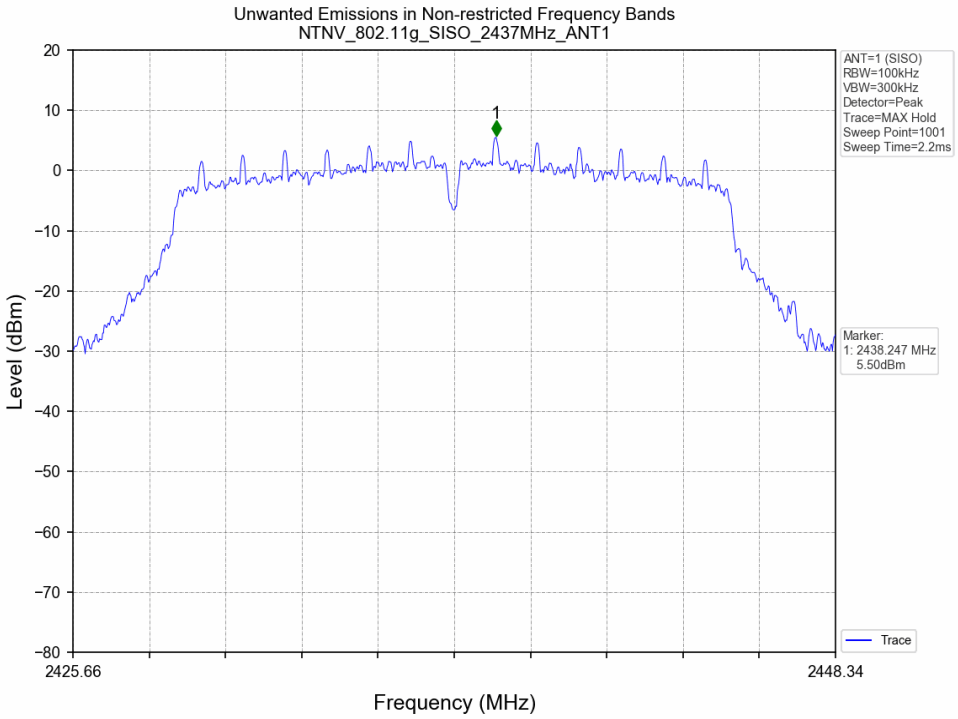

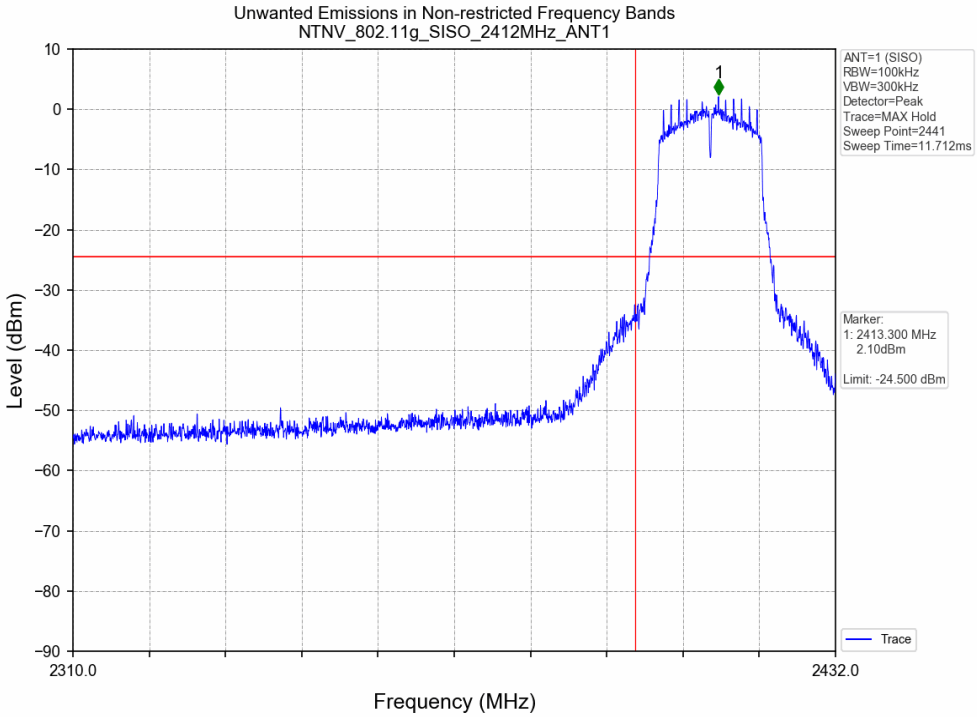

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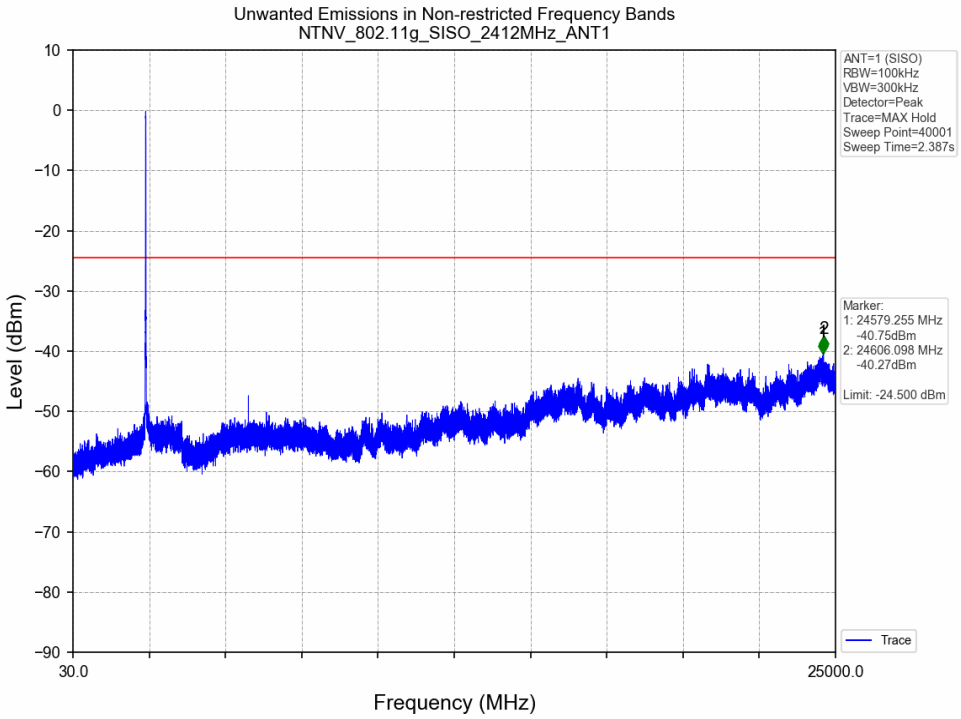

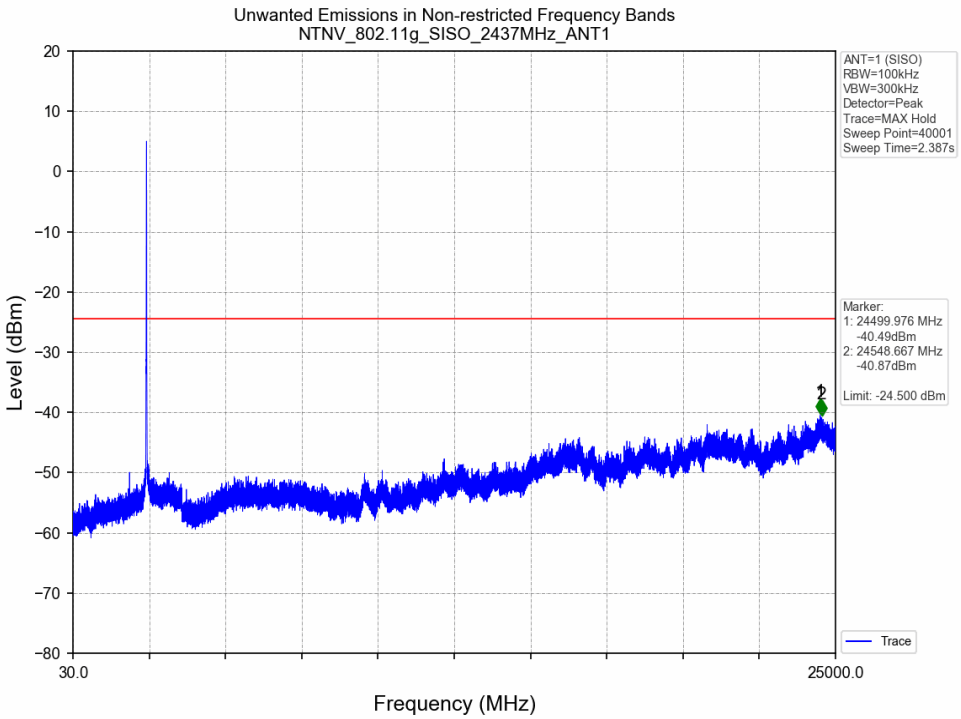

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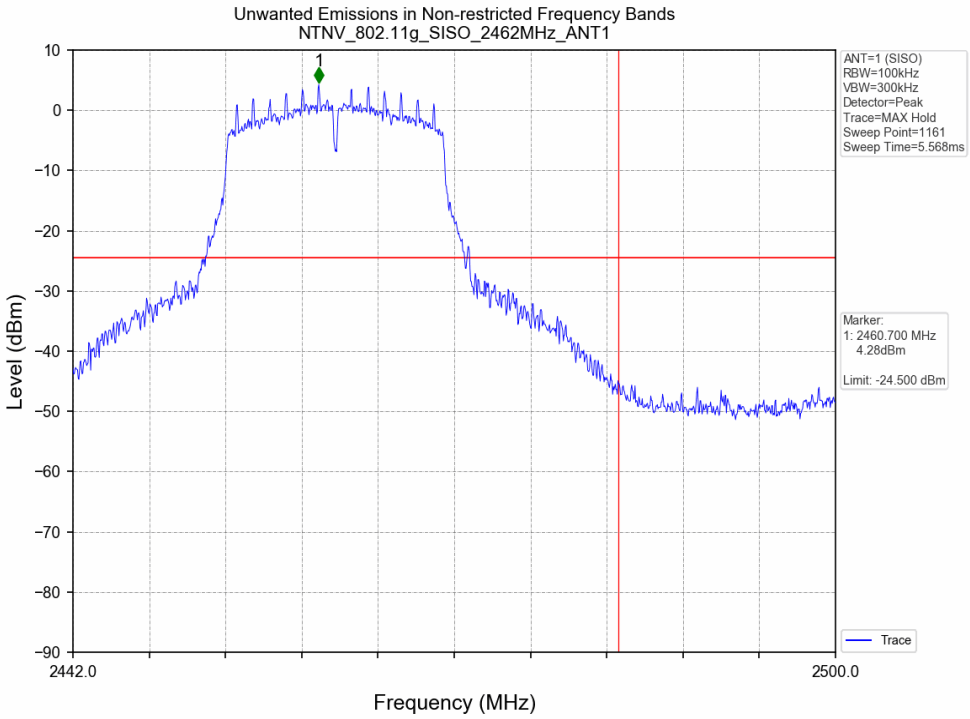

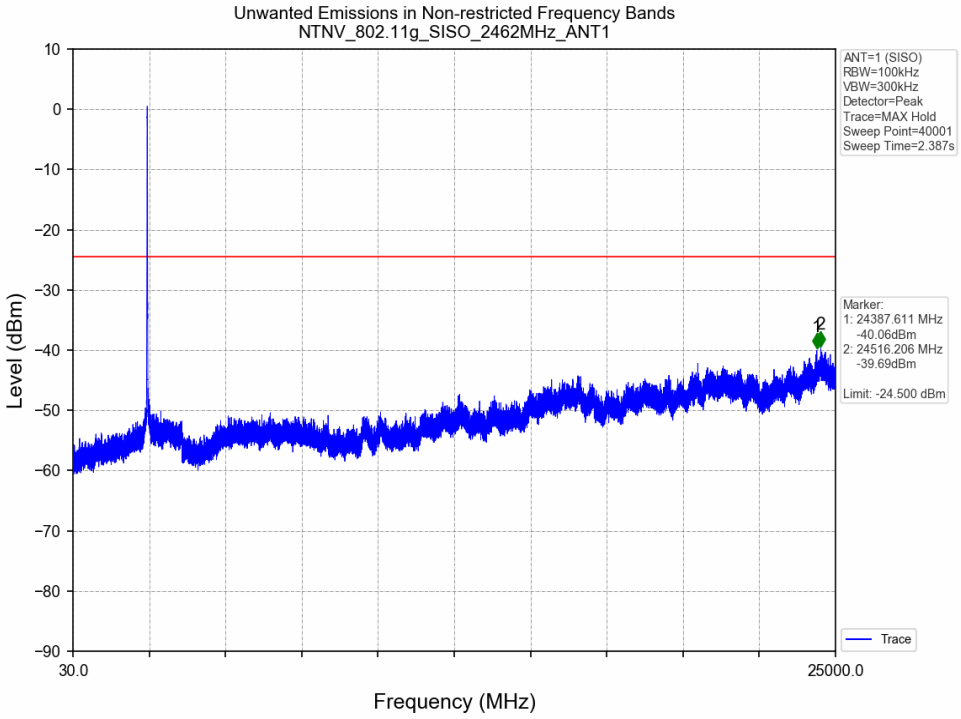

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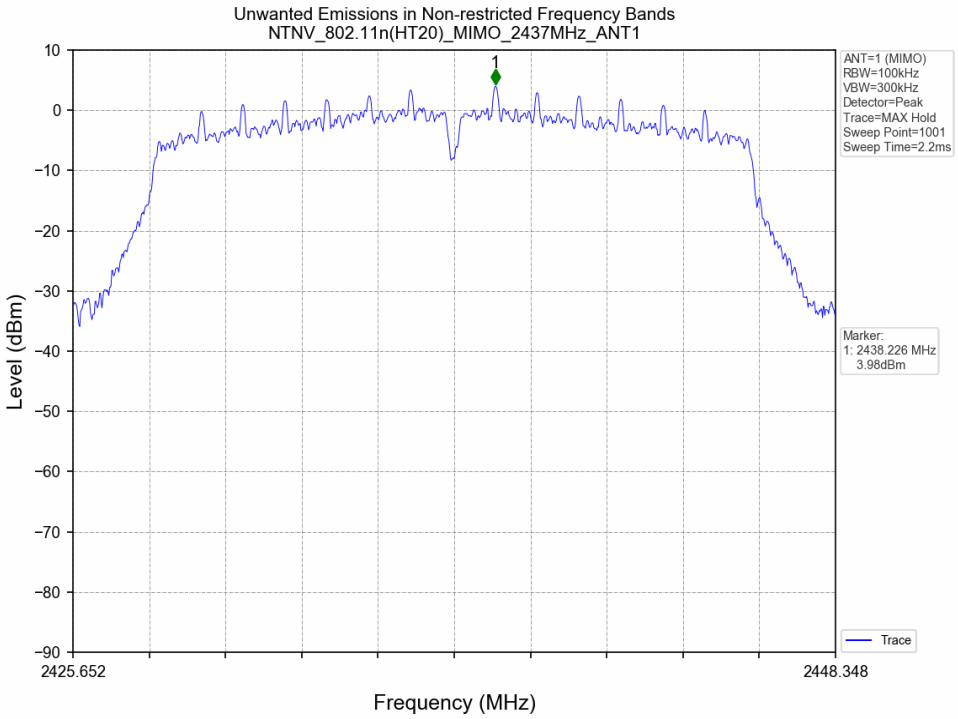

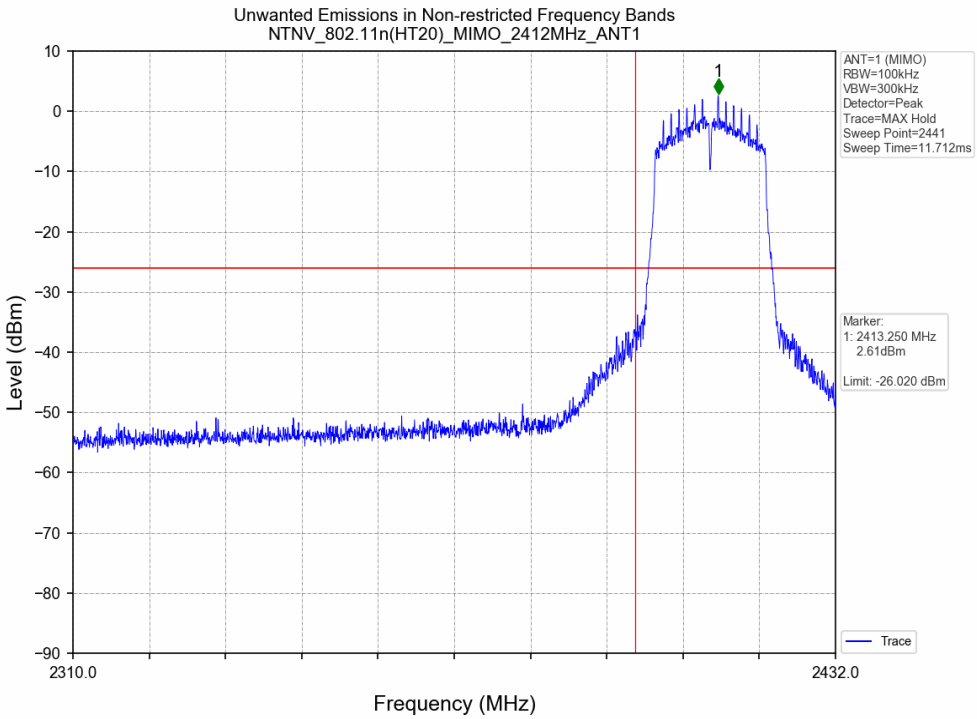

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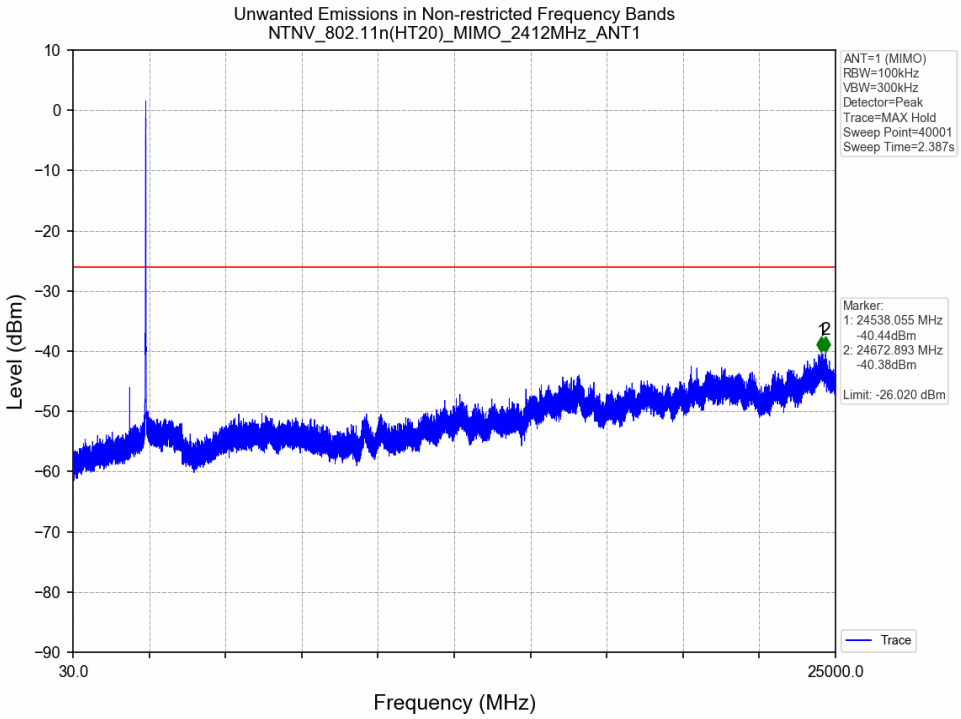

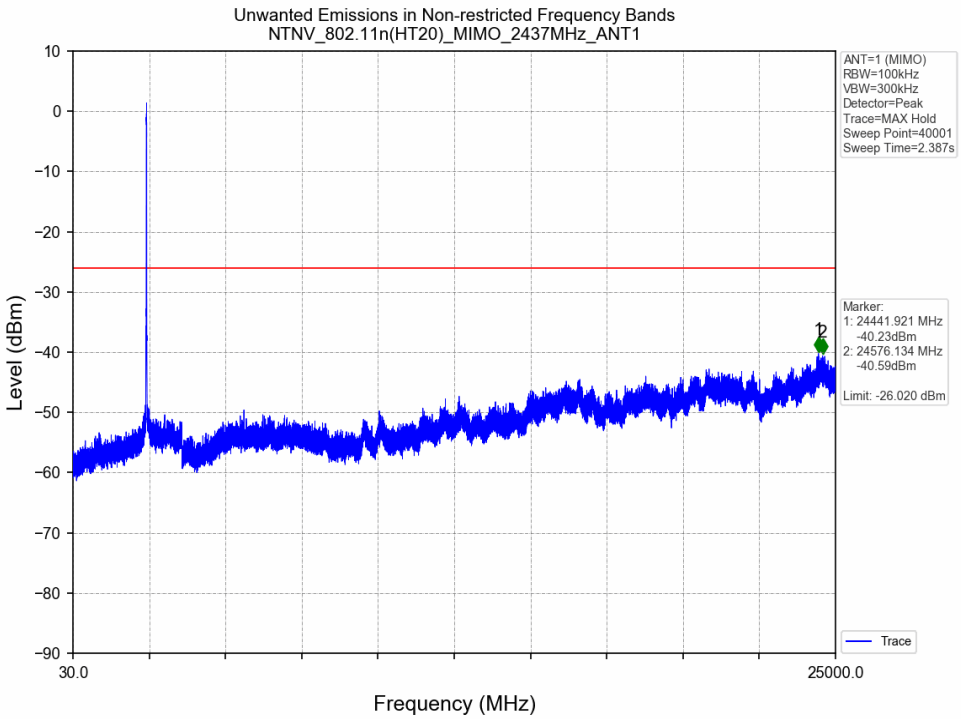

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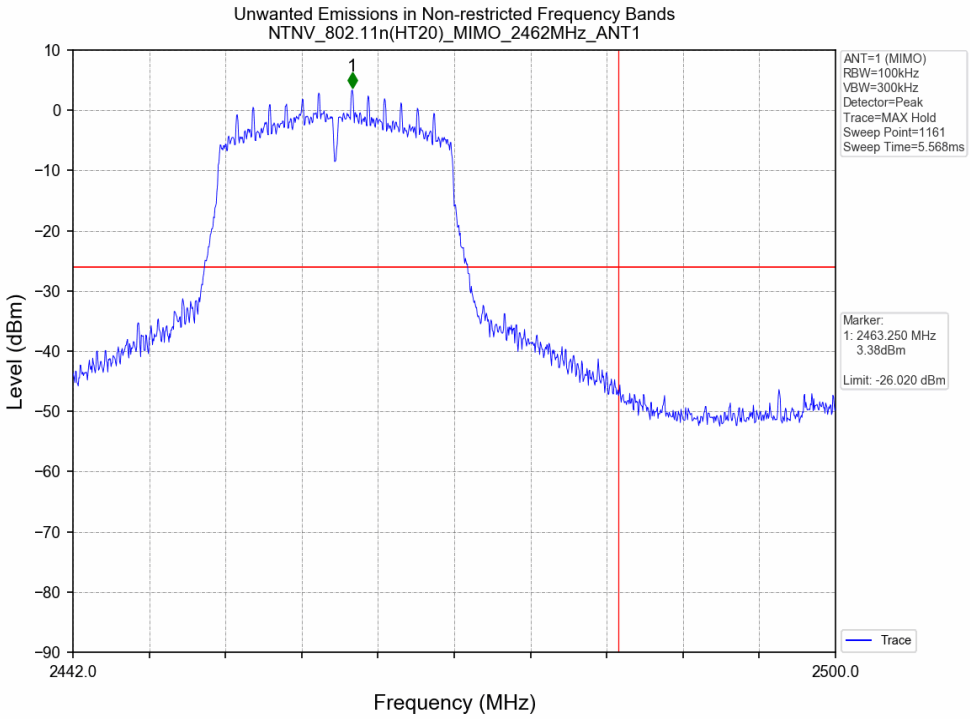

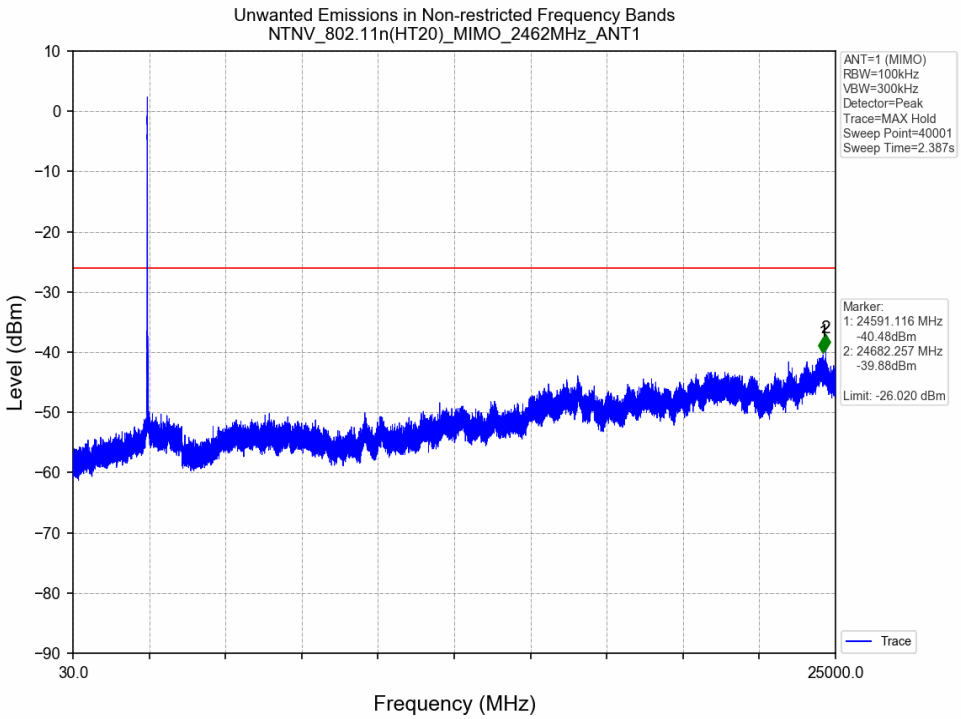

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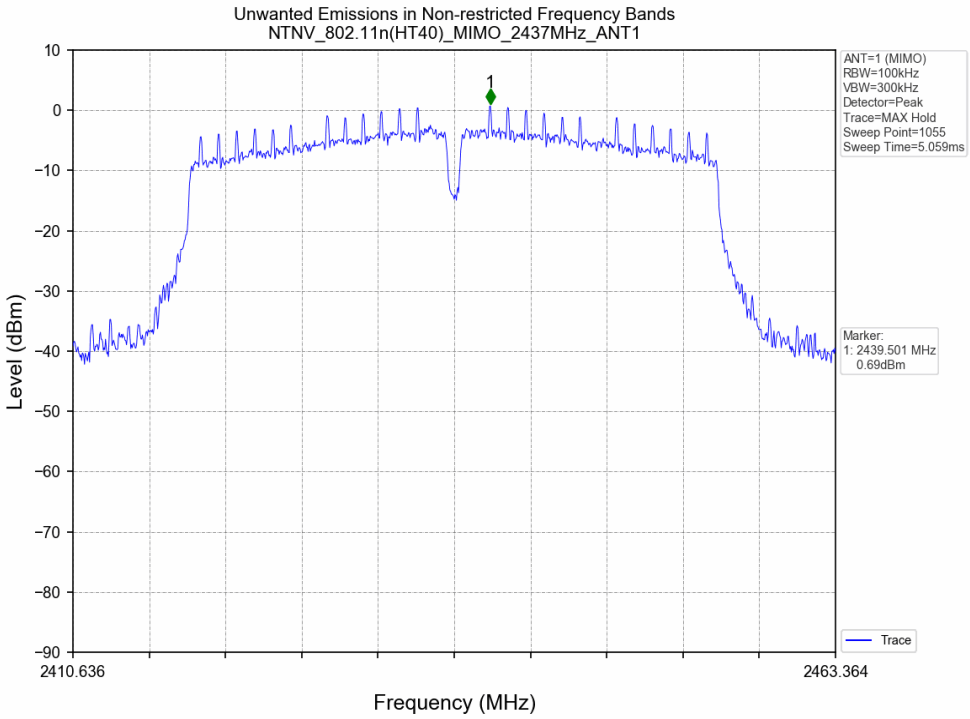

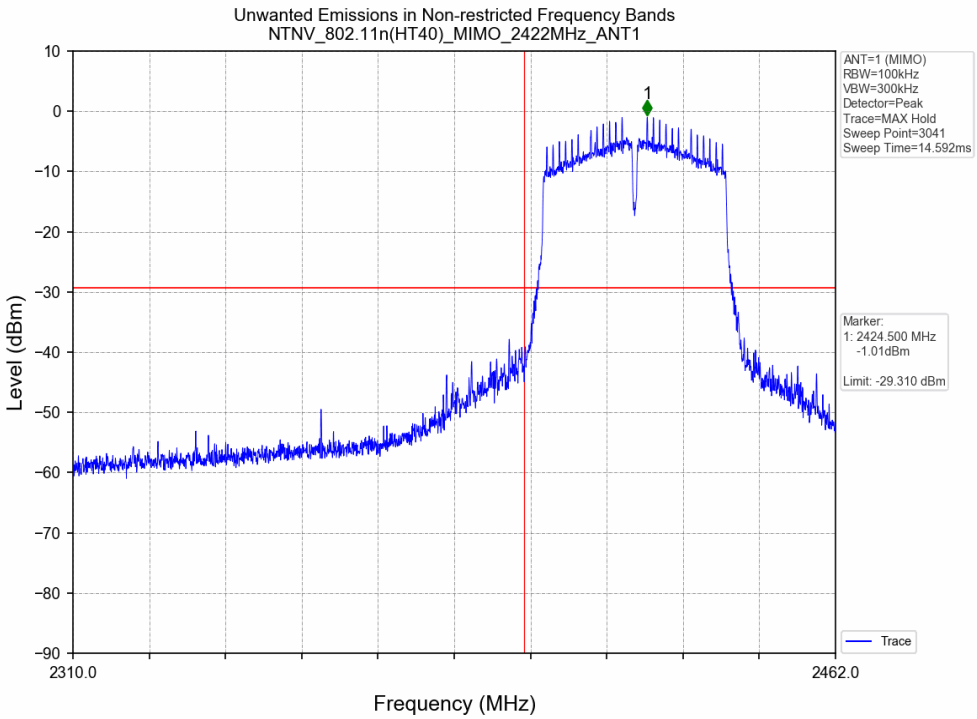

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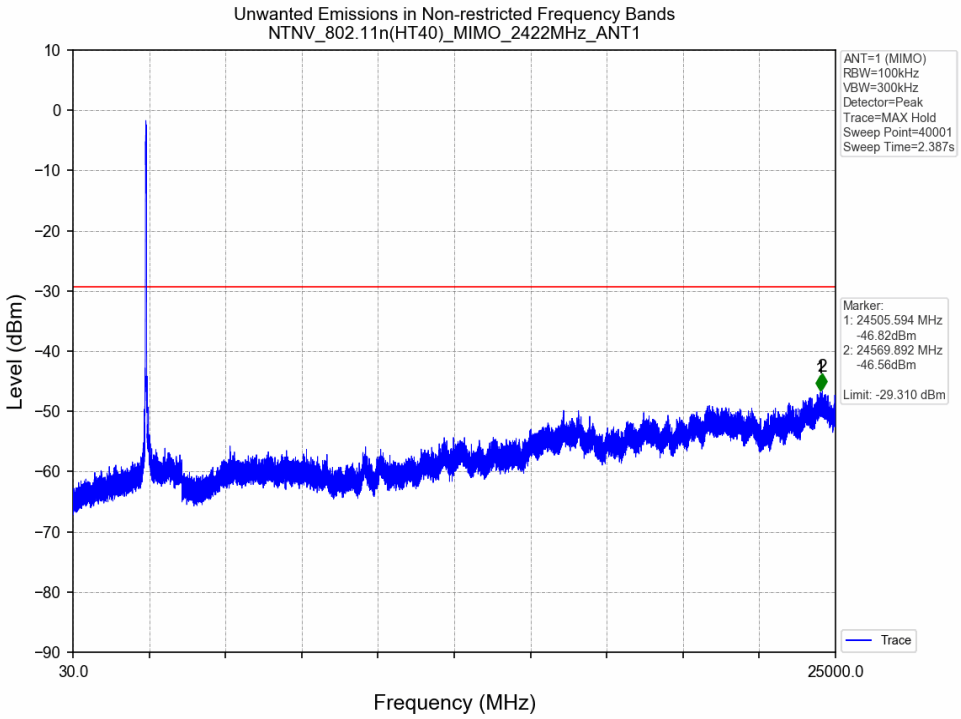

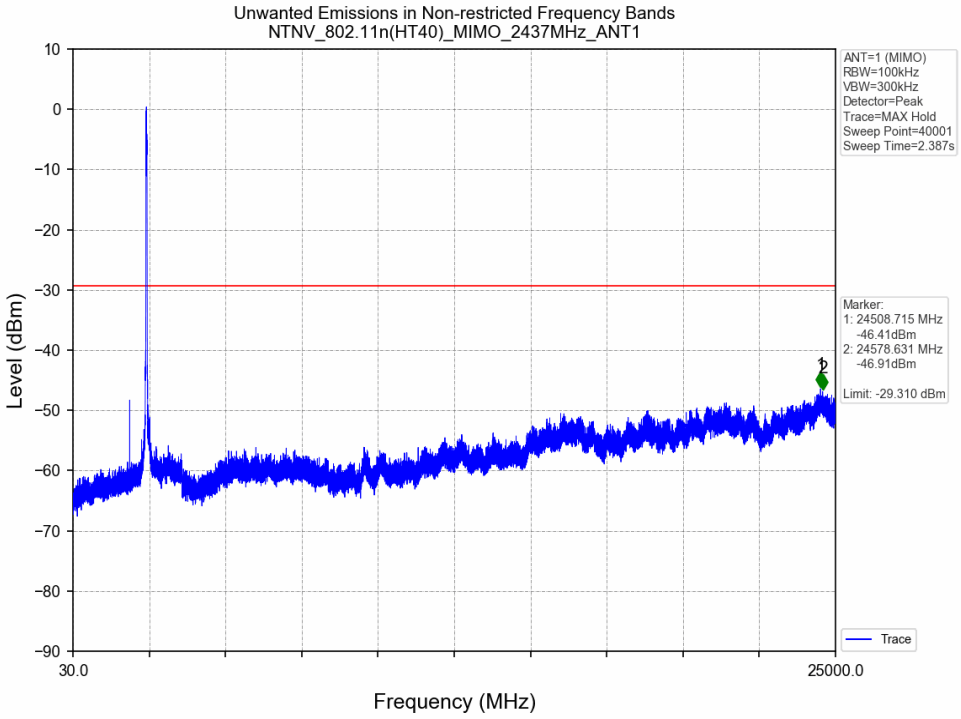

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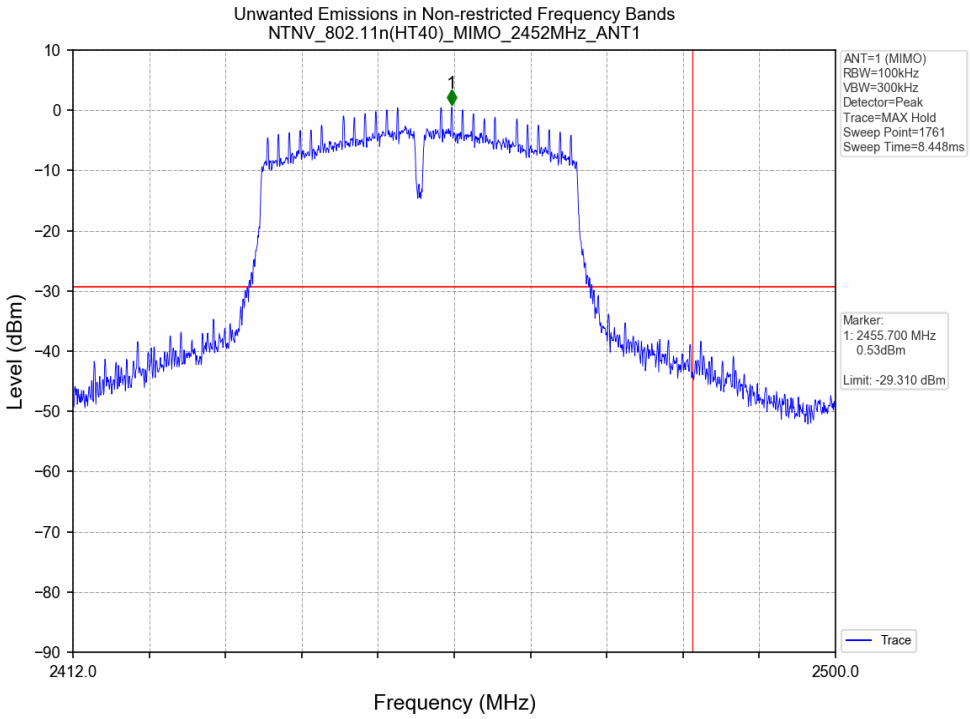

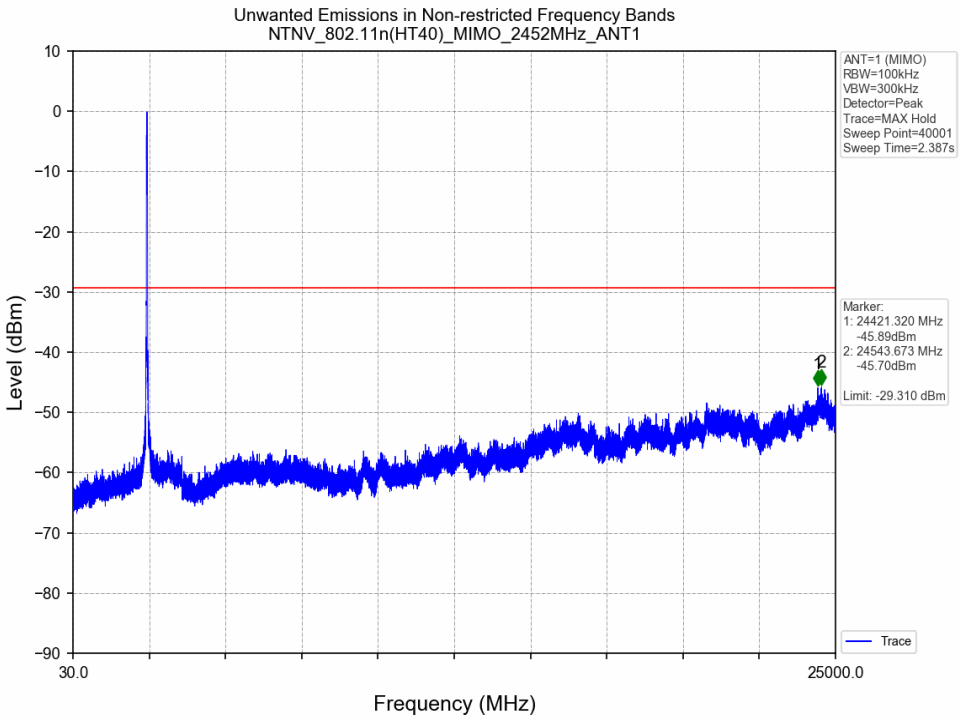

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