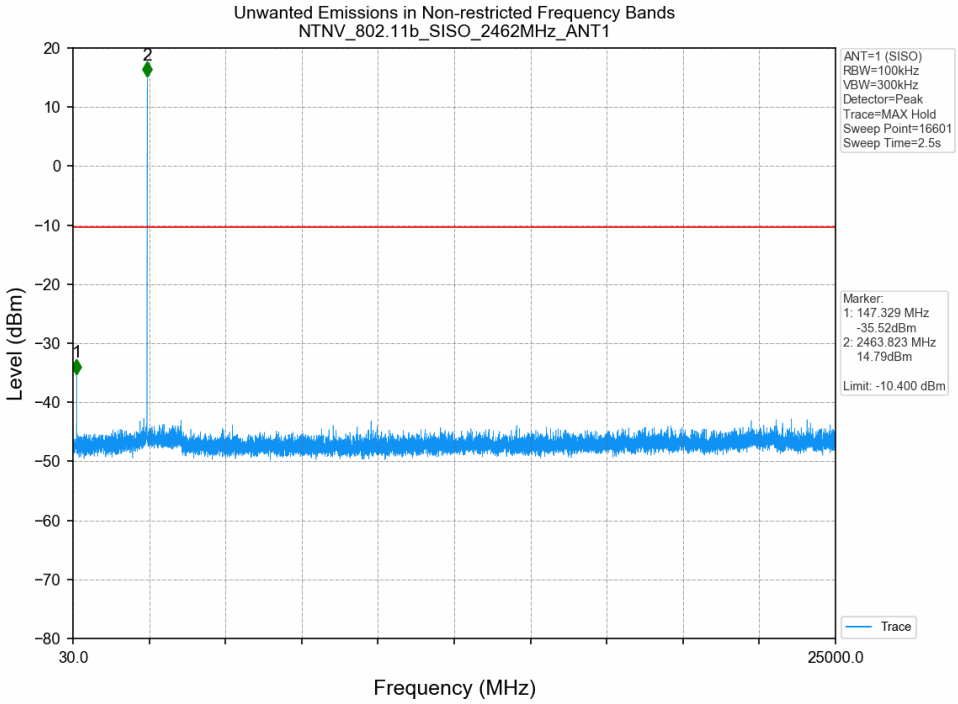

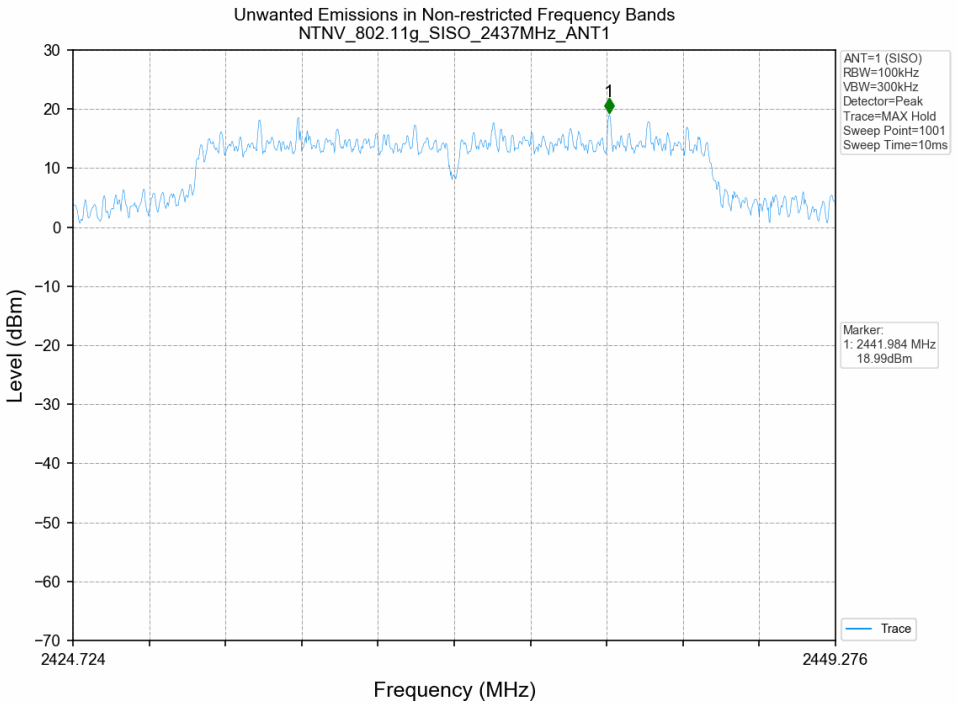

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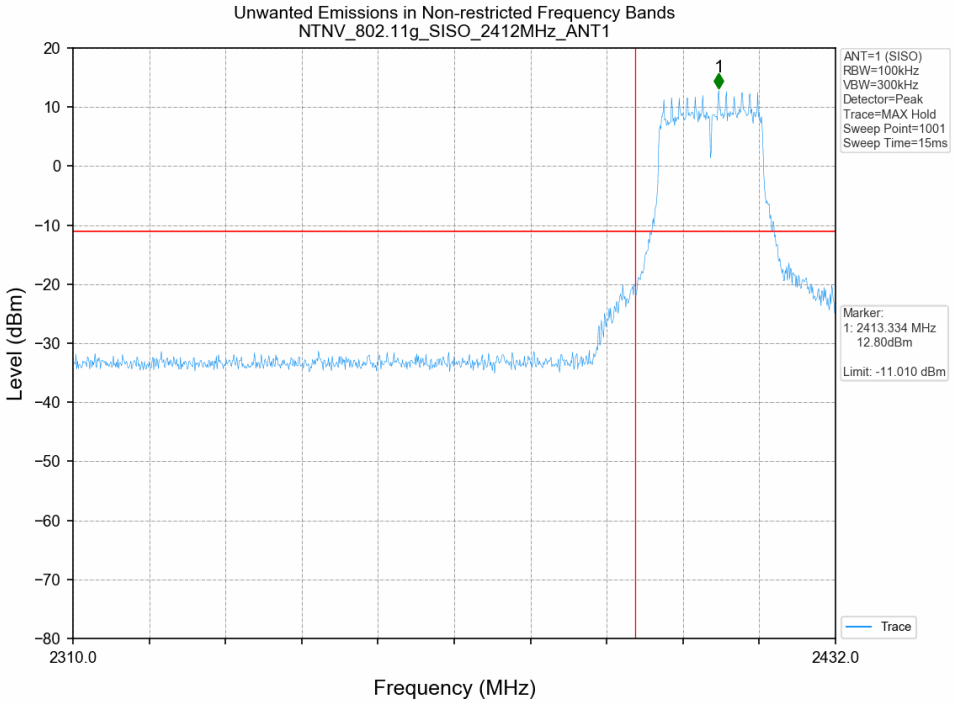

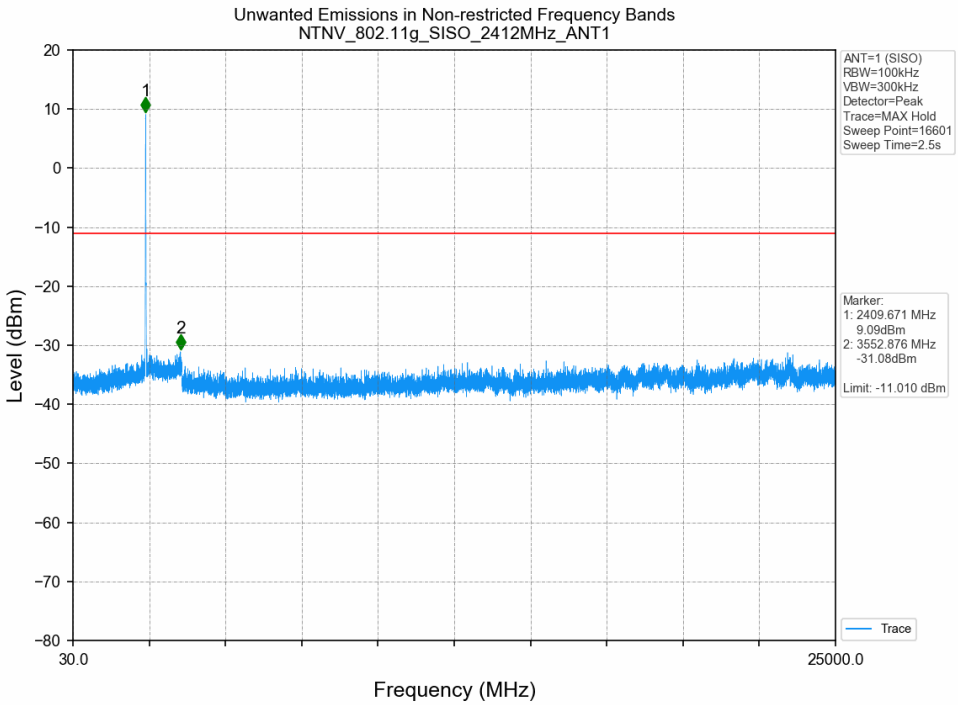

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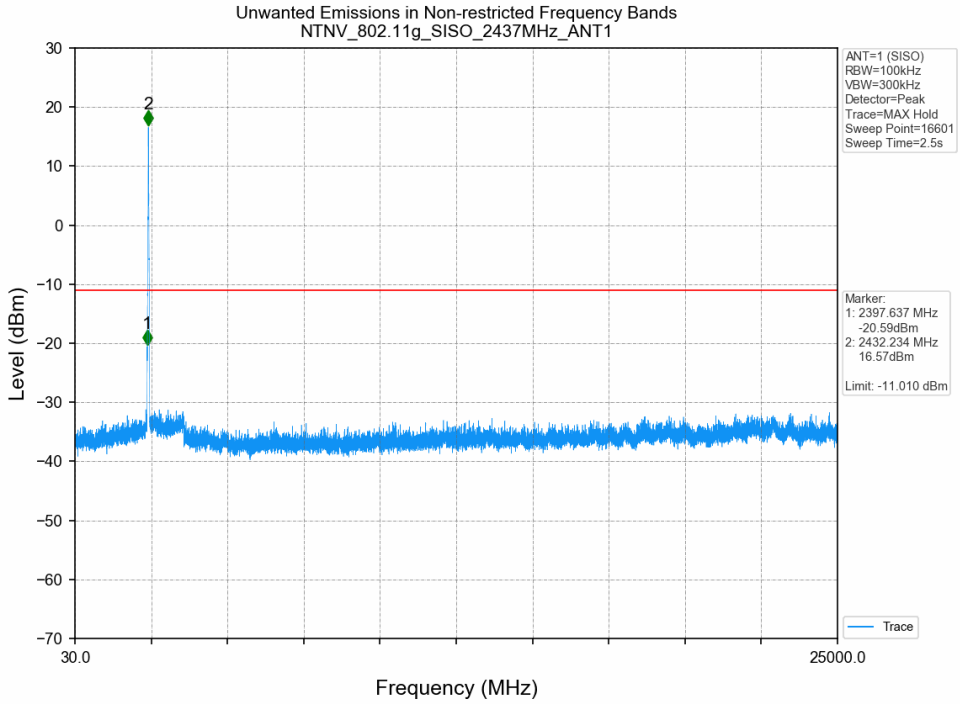

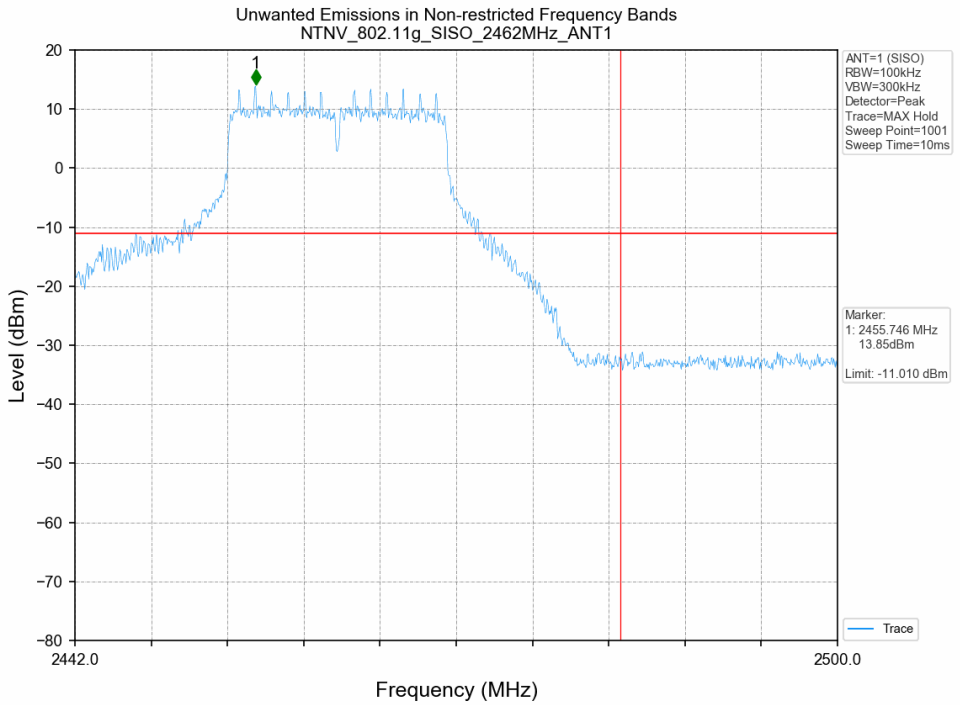

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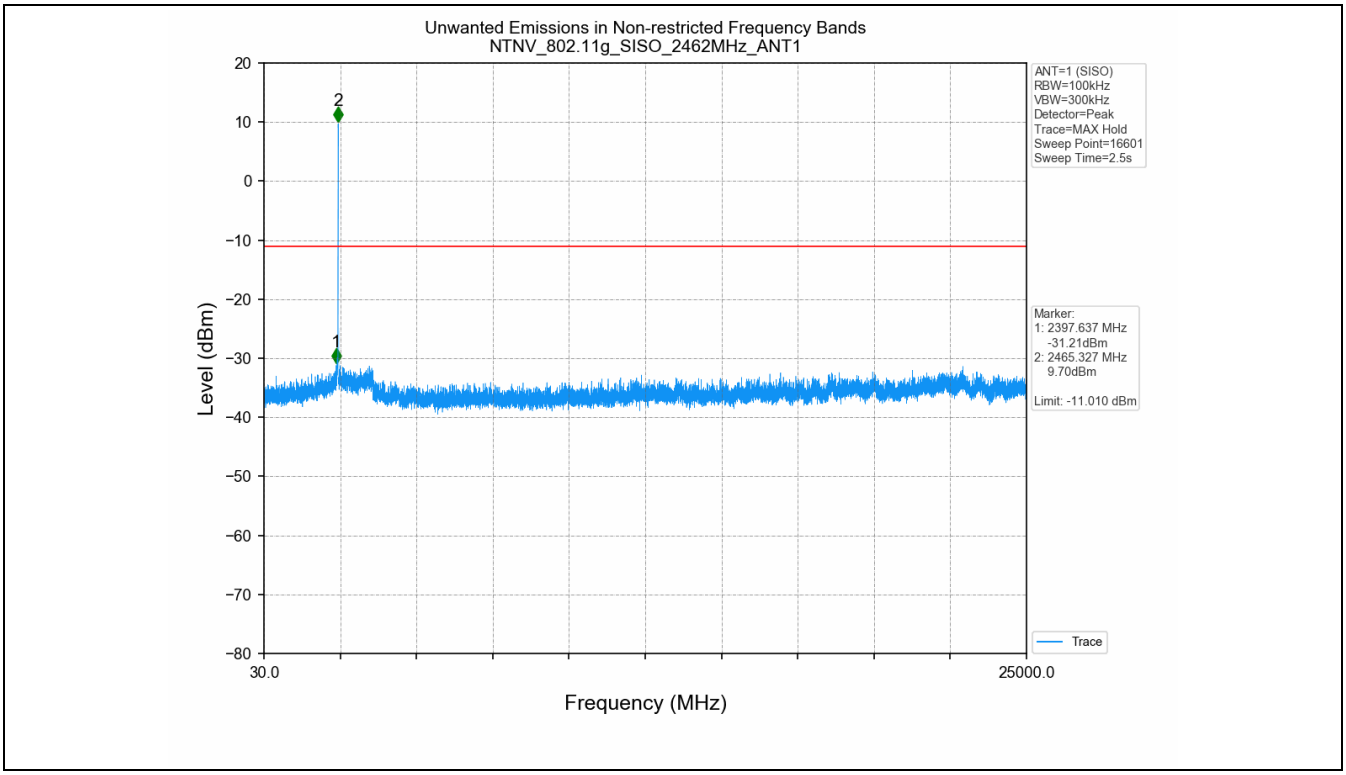

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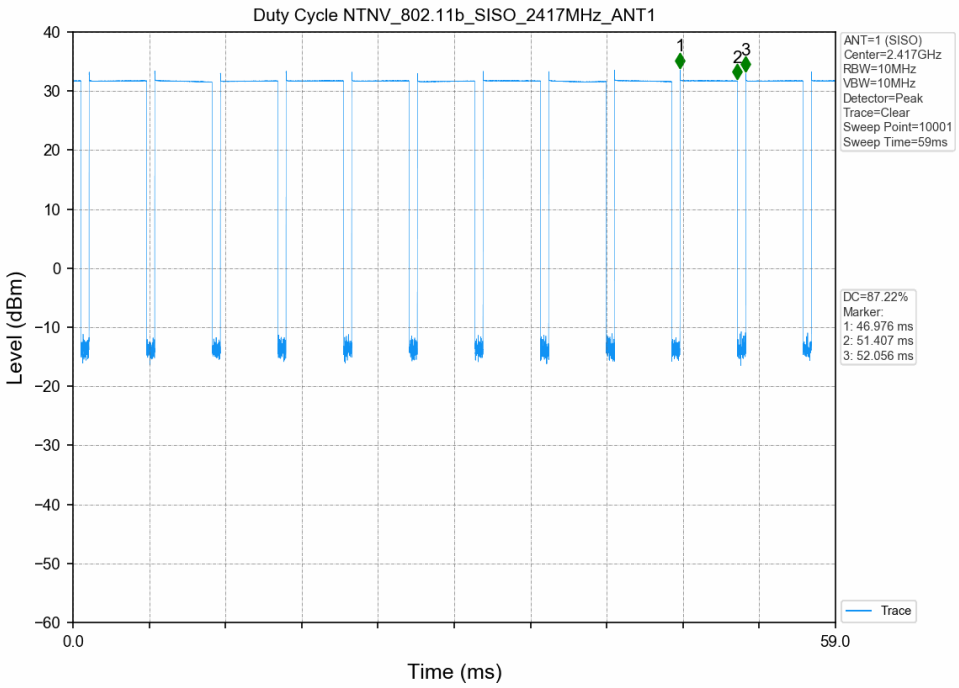
11.3 Appendix for 15.247 - 2.4G WiFi-11B&G-SISO-Adjacent Channel

1. Duty Cycle

1.1 Test Result

Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2417	SISO	1	4.431	5.080	87.22	0.59
	2457	SISO	1	4.418	5.062	87.28	0.59
802.11g	2417	SISO	1	2.061	2.171	94.93	0.23
	2457	SISO	1	2.060	2.171	94.89	0.23

1.2 Test Graph



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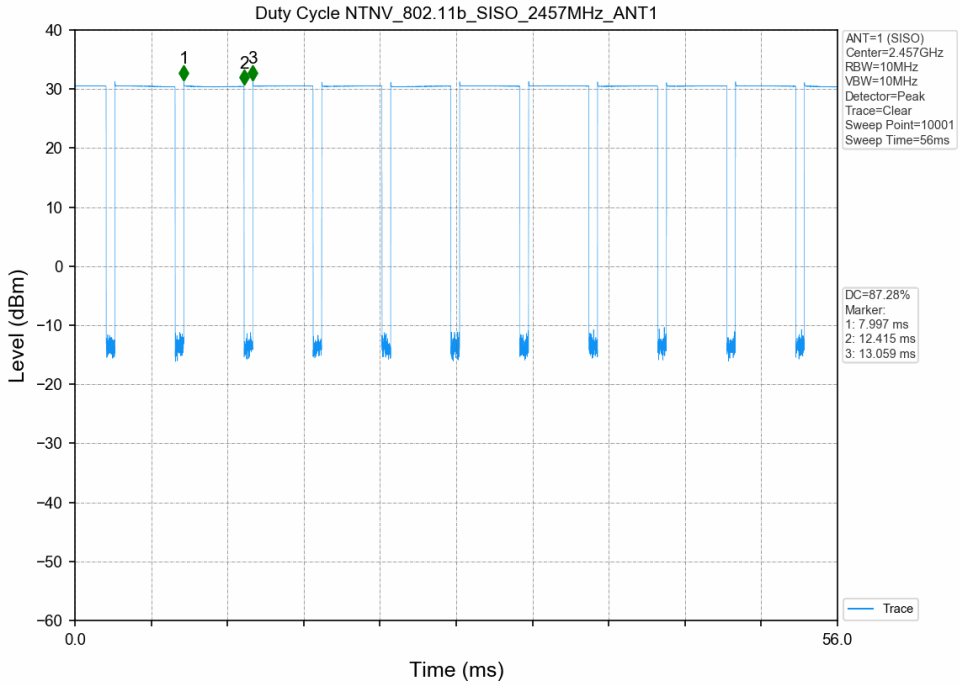

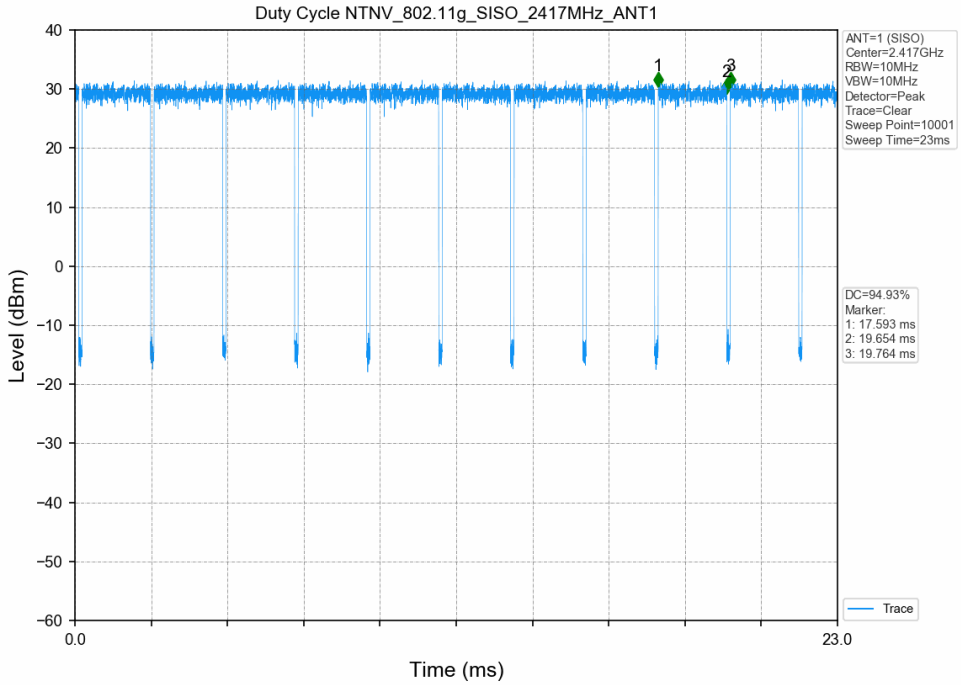

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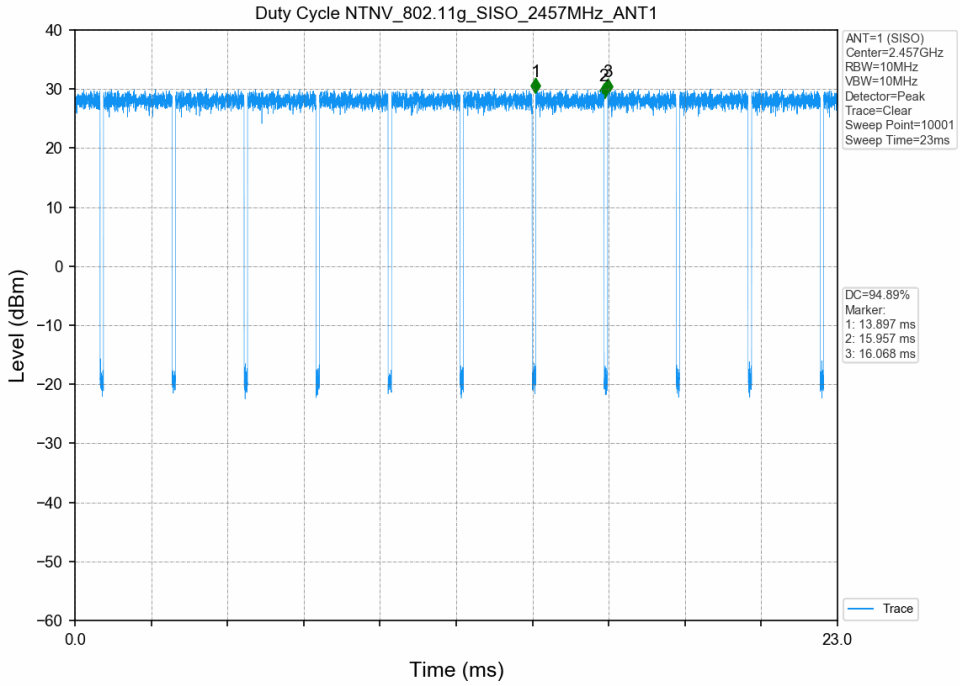

2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2417	SISO	1	7.092	≥0.5	PASS
	2457	SISO	1	11.099	≥0.5	PASS
802.11g	2417	SISO	1	16.329	≥0.5	PASS
	2457	SISO	1	16.351	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2417	SISO	1	13.881	Only for Report Use
	2457	SISO	1	21.099	Only for Report Use
802.11g	2417	SISO	1	23.268	Only for Report Use
	2457	SISO	1	25.518	Only for Report Use

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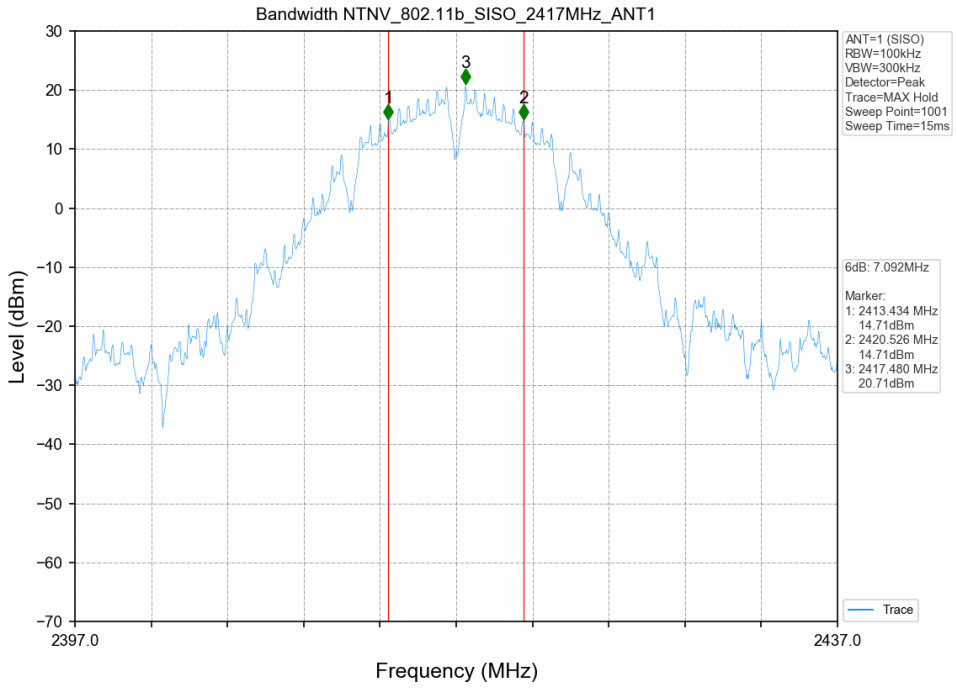
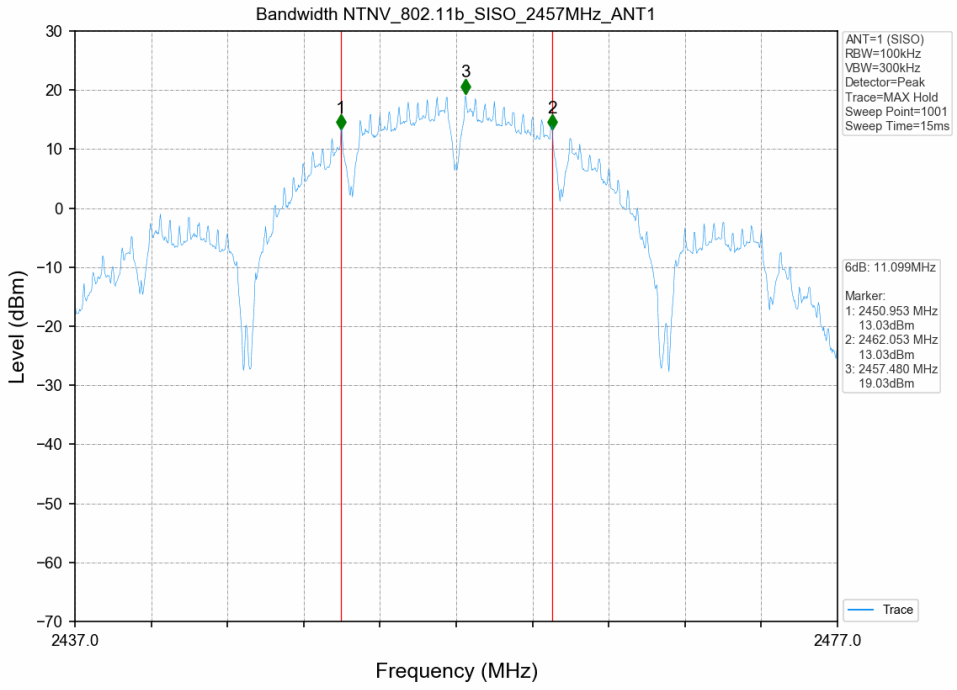
2.2 Test Graph - 6dB Bandwidth





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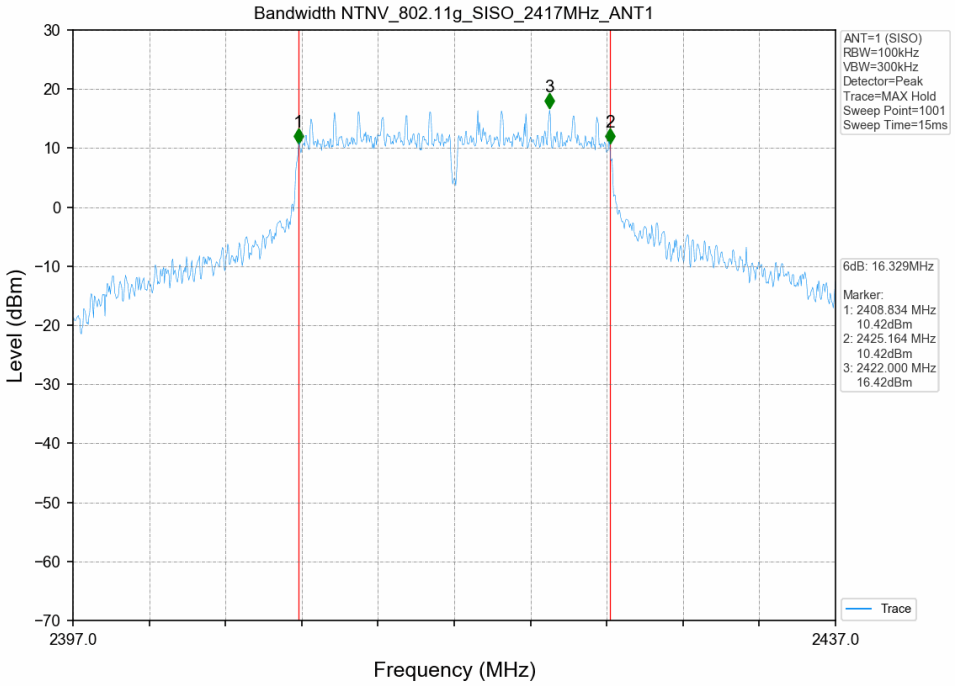

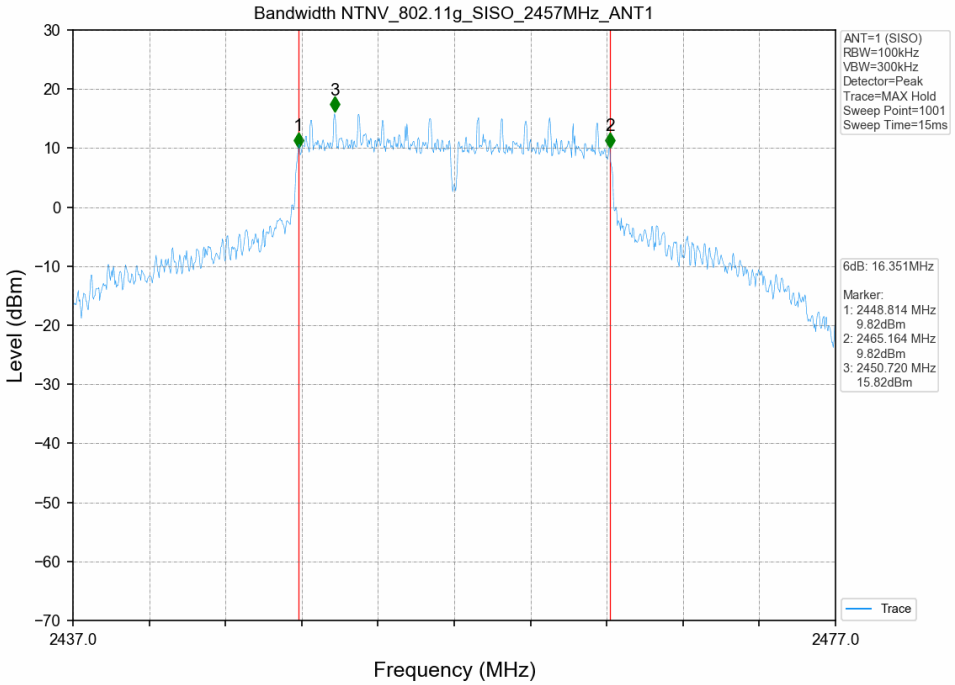

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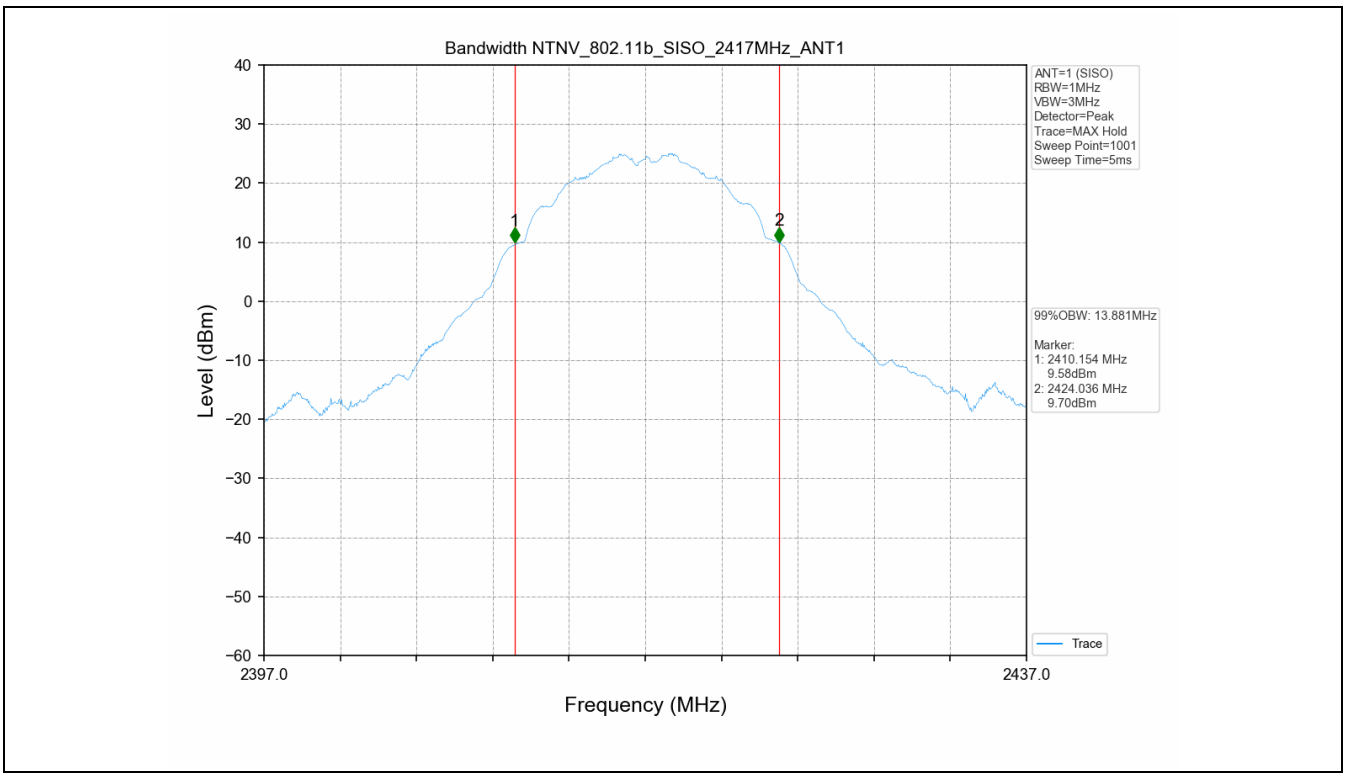
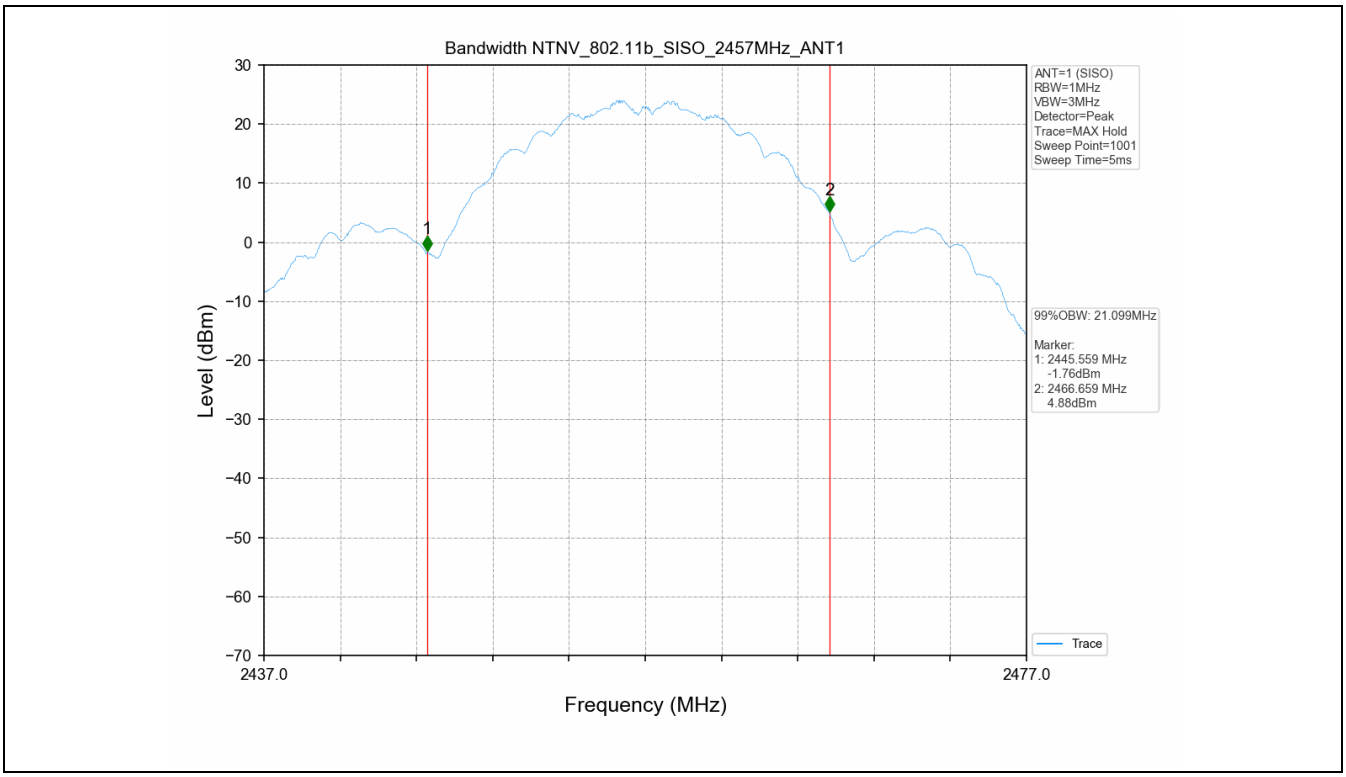
2.3 Test Graph - 99% Occupied Bandwidth





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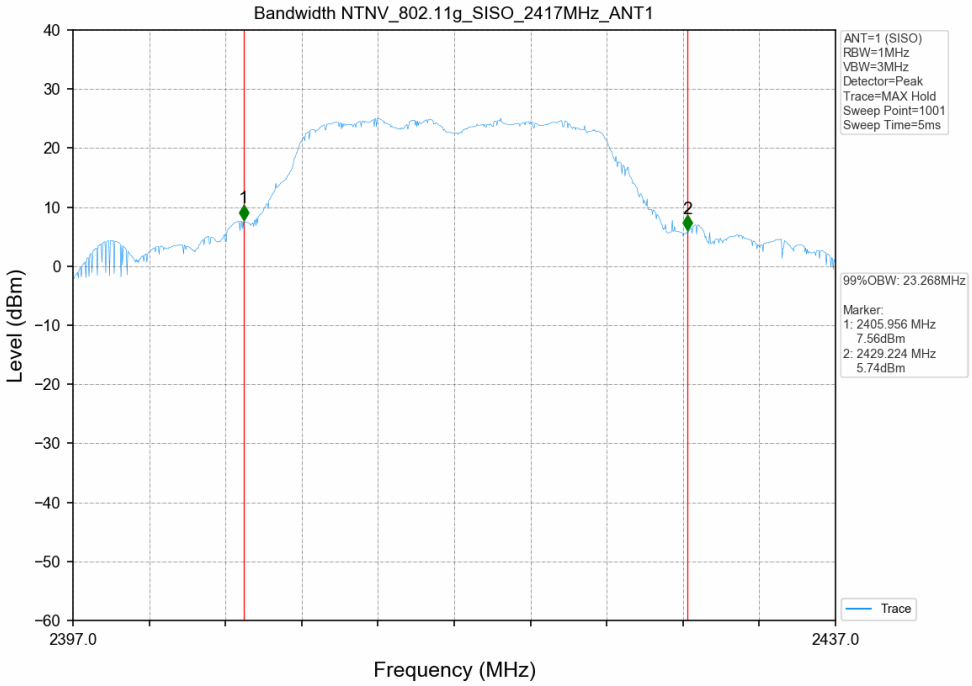

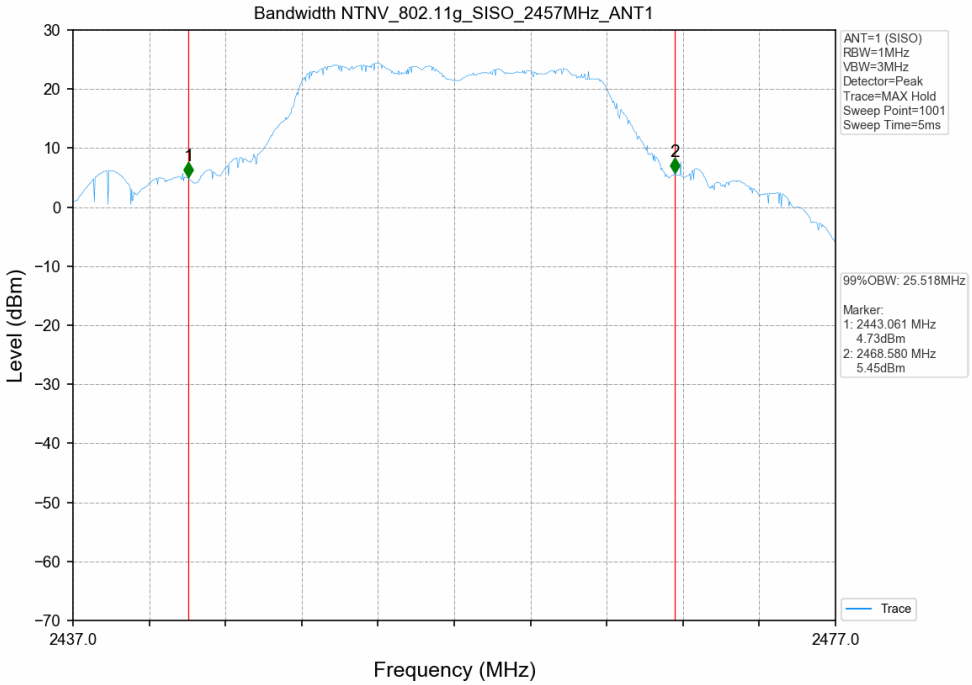

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3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Average Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2417	SISO	29.65	30	PASS
	2457	SISO	29.48	30	PASS
802.11g	2417	SISO	29.09	30	PASS
	2457	SISO	29.40	30	PASS

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	2417	SISO	7.07	≤8	PASS
	2457	SISO	5.74	≤8	PASS
802.11g	2417	SISO	3.56	≤8	PASS
	2457	SISO	1.86	≤8	PASS

1.2 Test Graph

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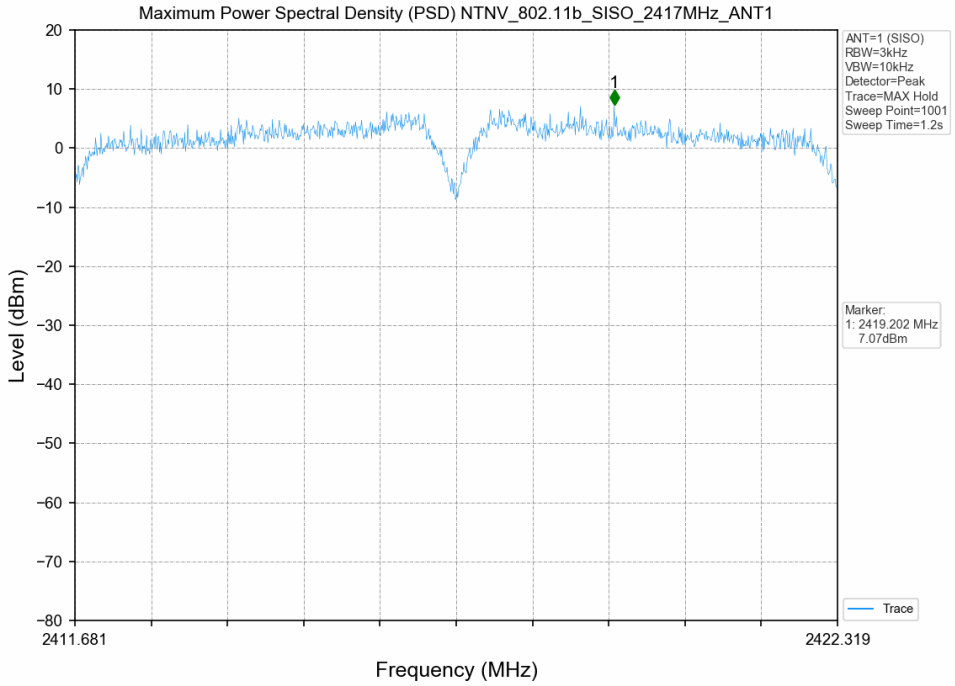

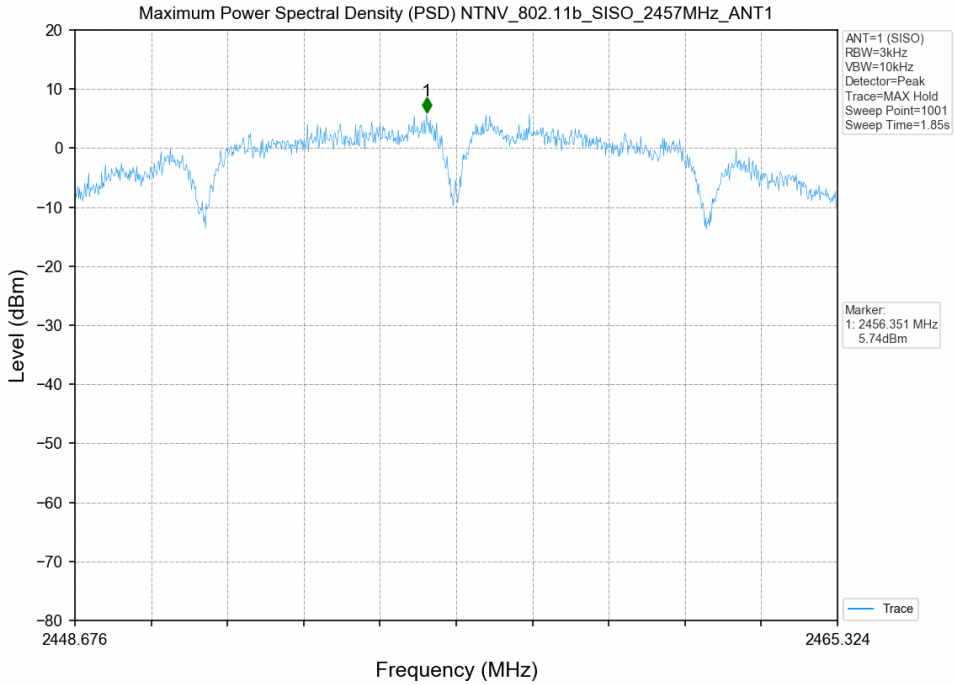

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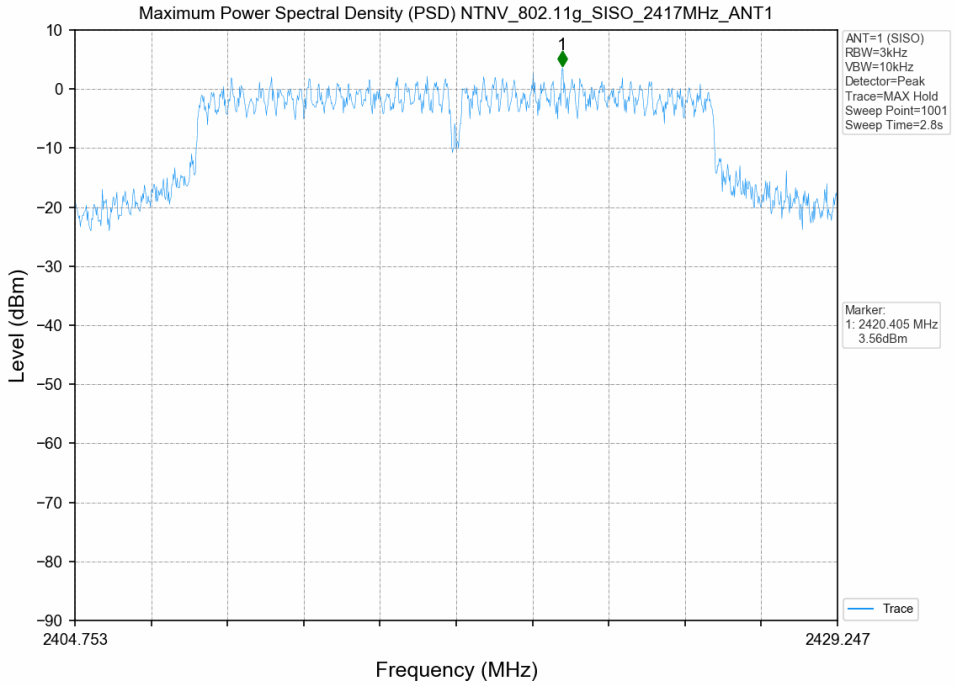

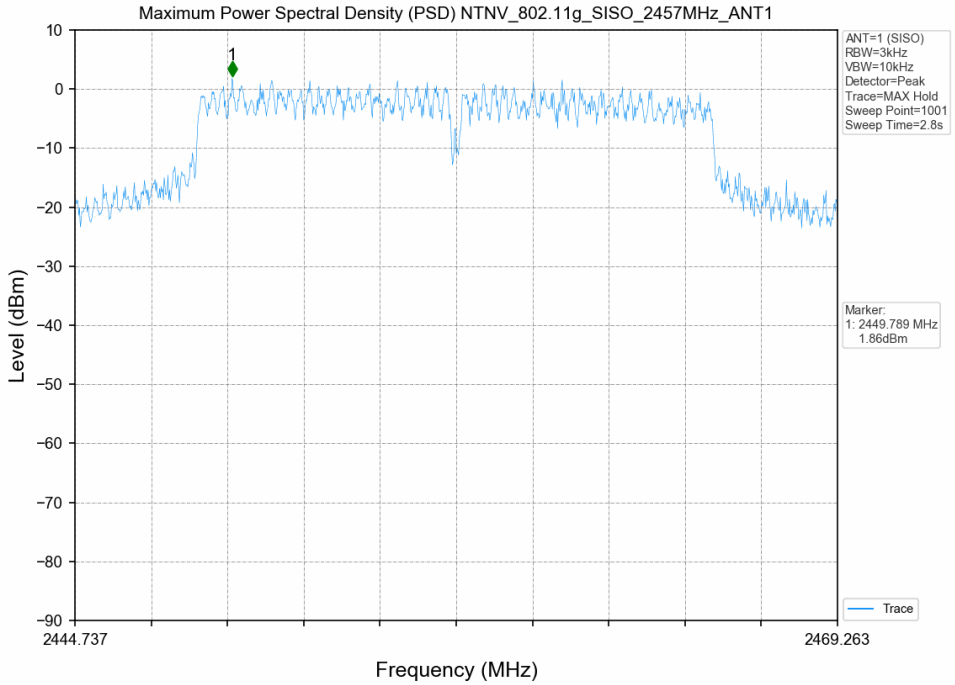

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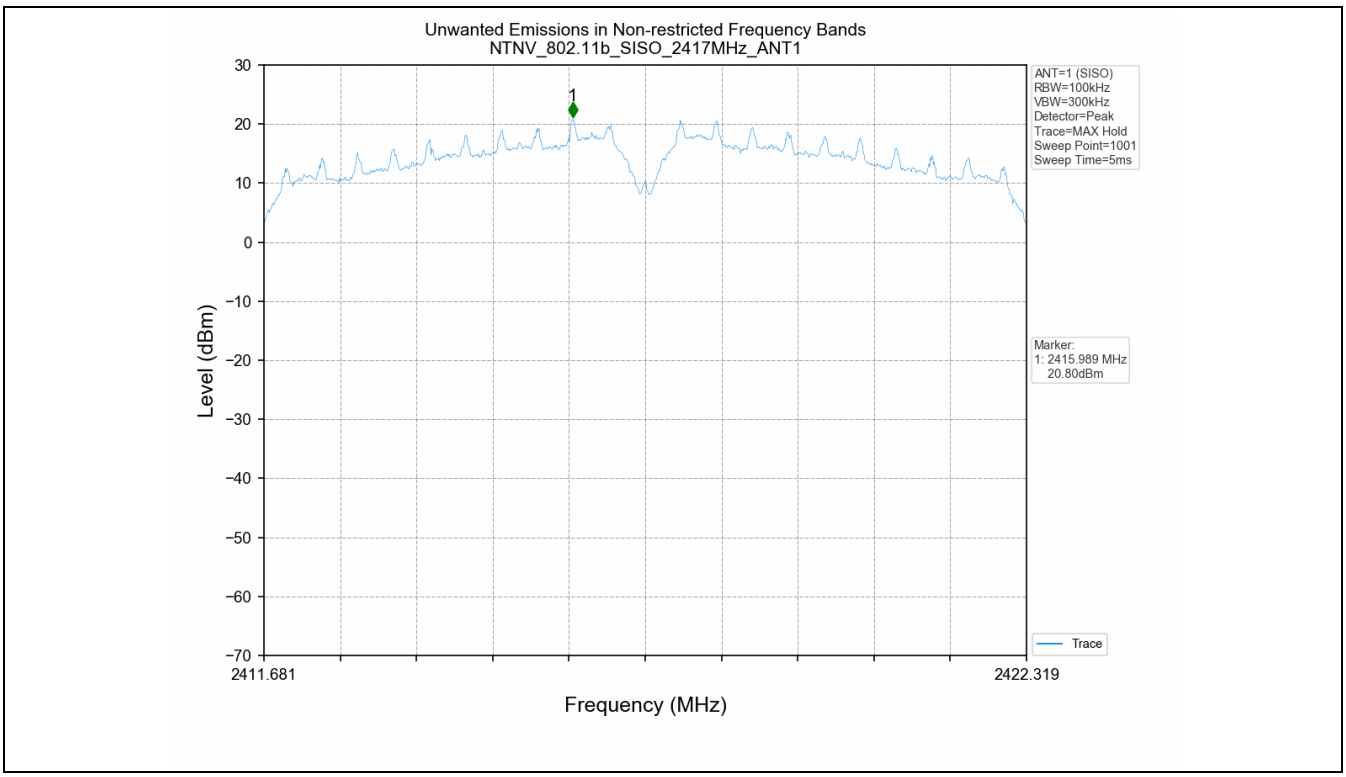
5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2417	SISO	1	Refer to test graph	-9.20	PASS
	2457	SISO	1	Refer to test graph	-9.20	PASS
802.11g	2417	SISO	1	Refer to test graph	-13.49	PASS
	2457	SISO	1	Refer to test graph	-3.49	PASS

5.2 Test Graph



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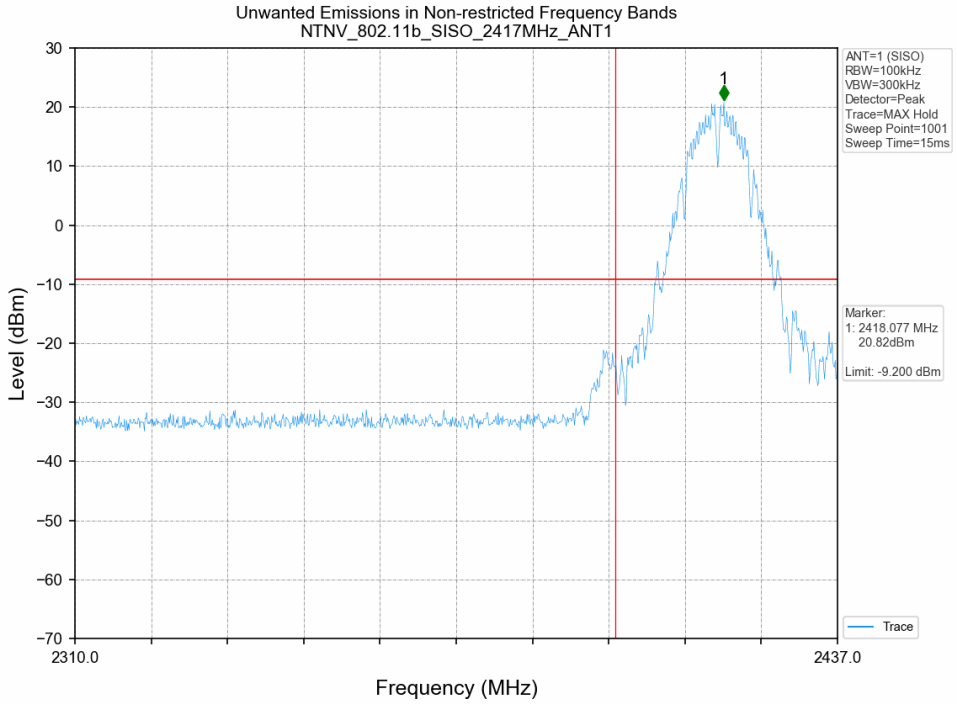

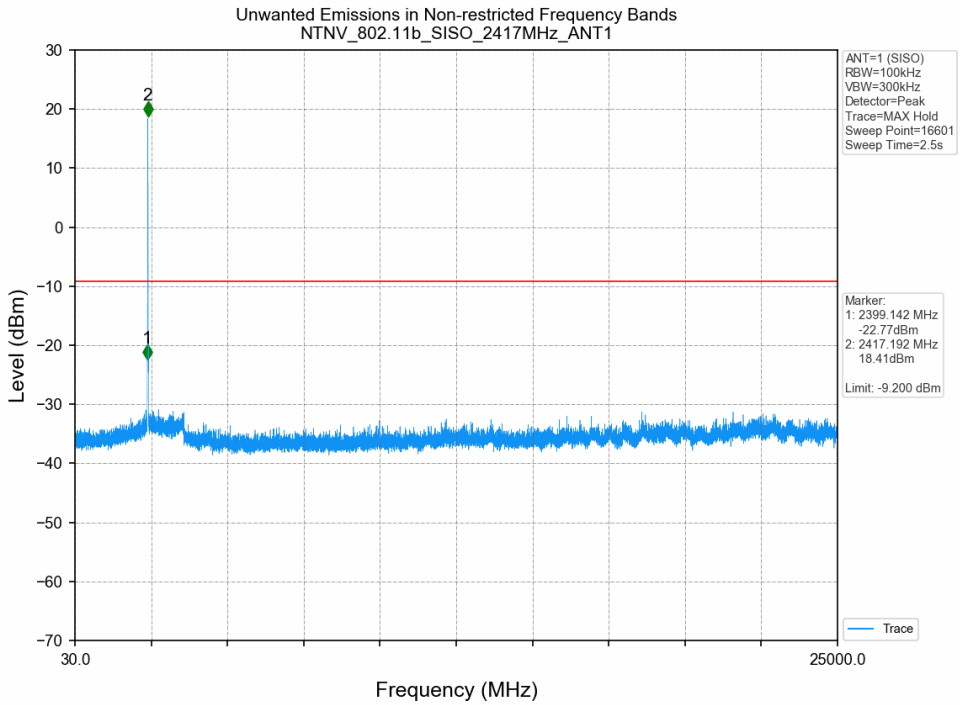

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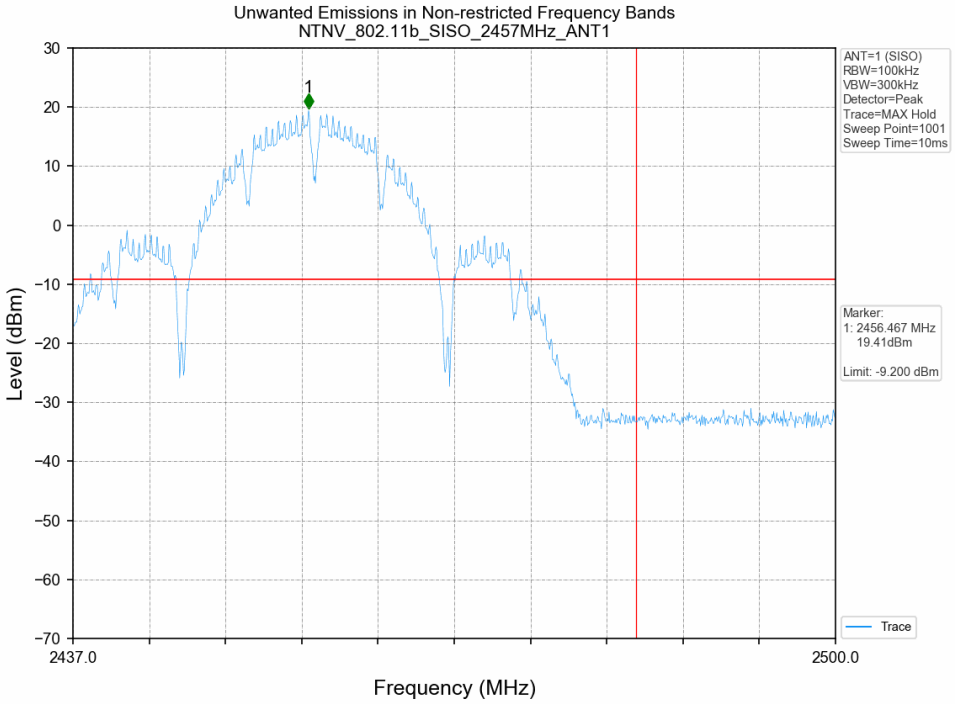

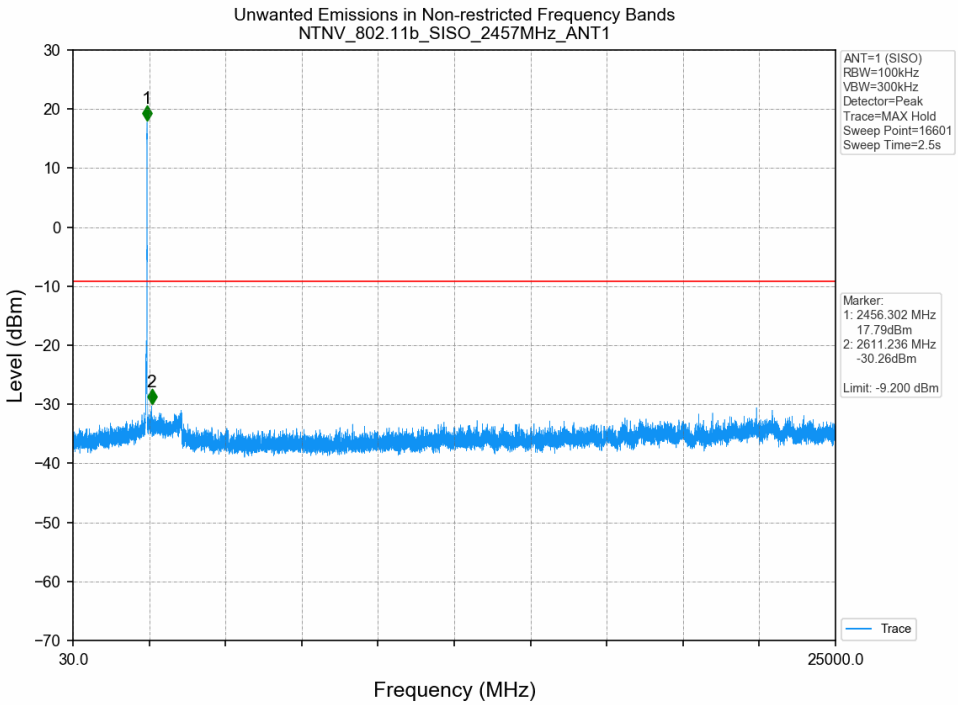

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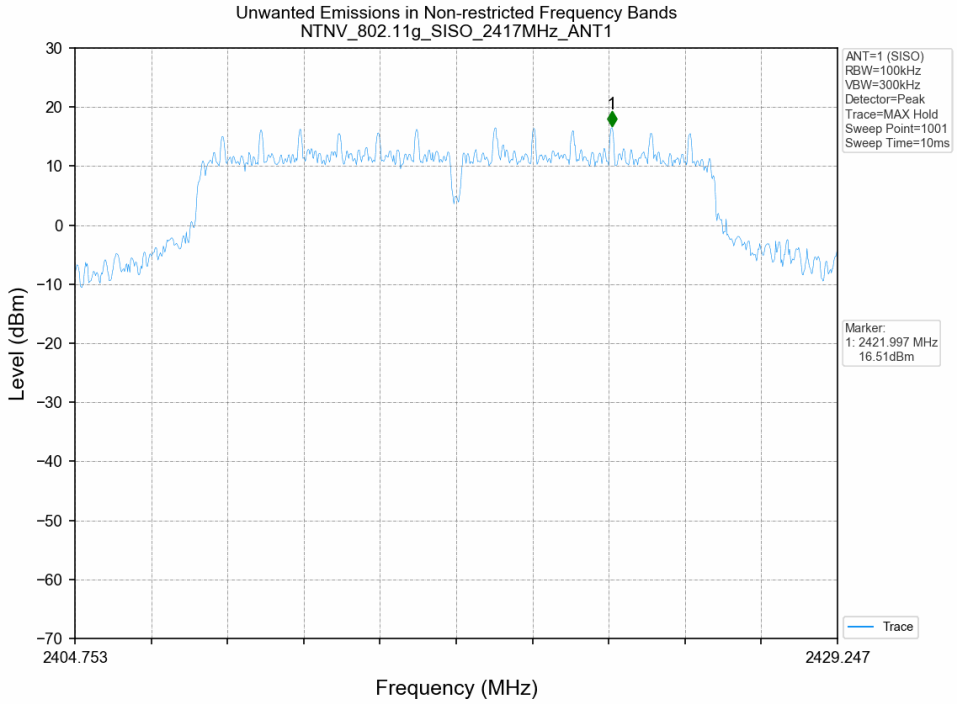

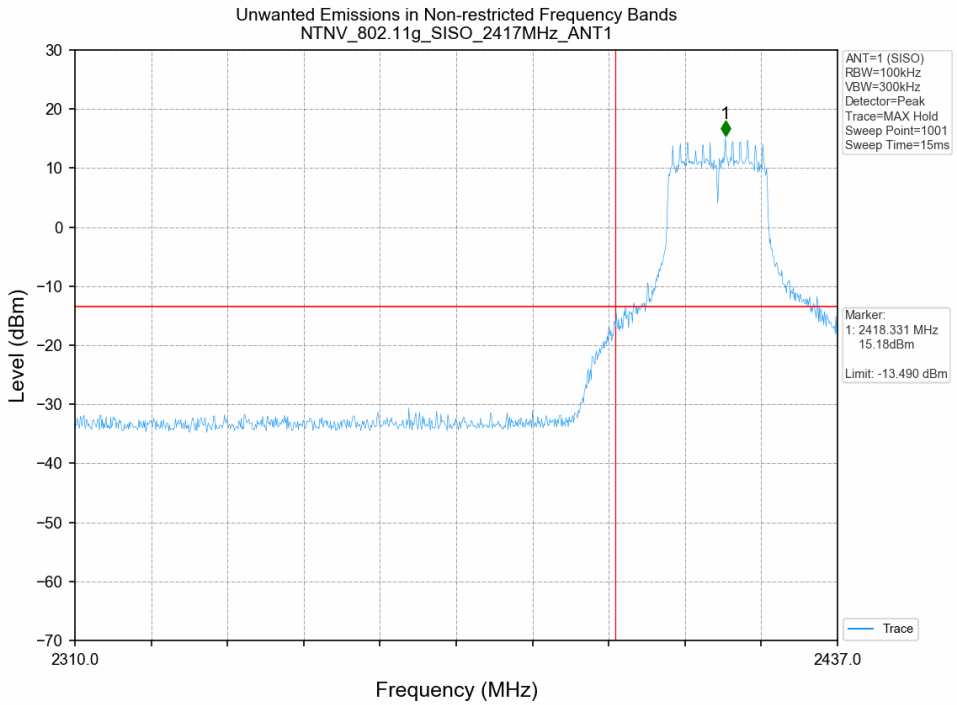

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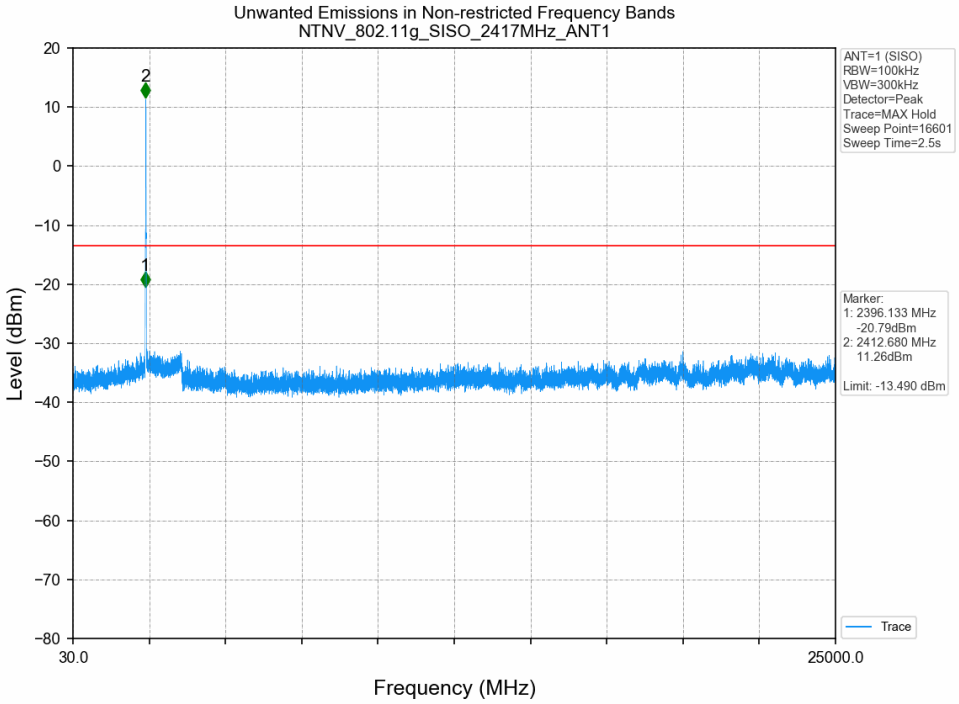

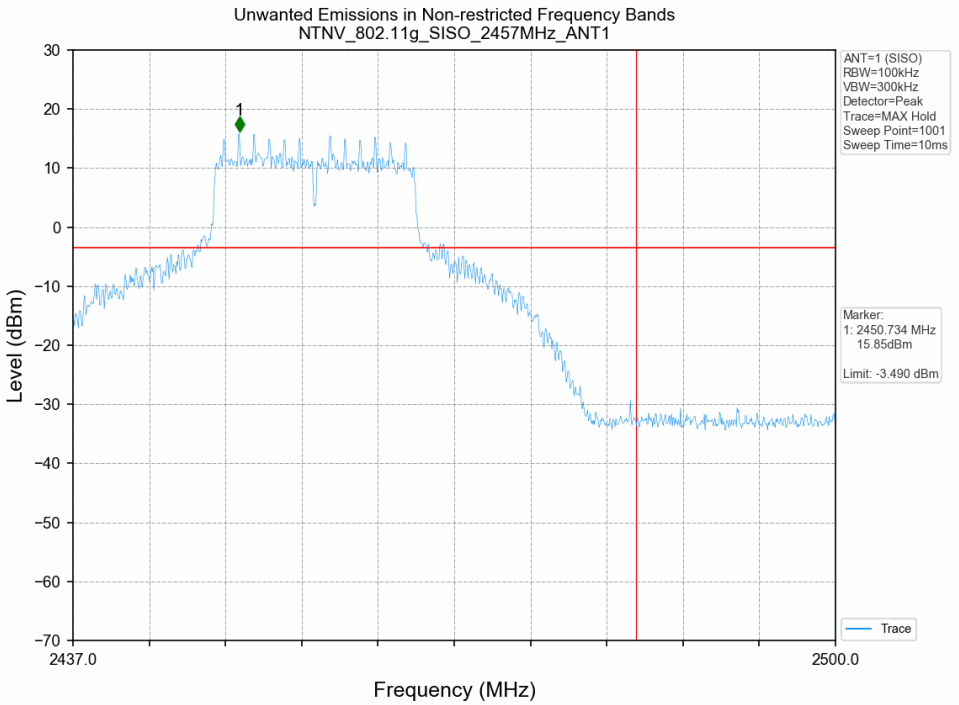

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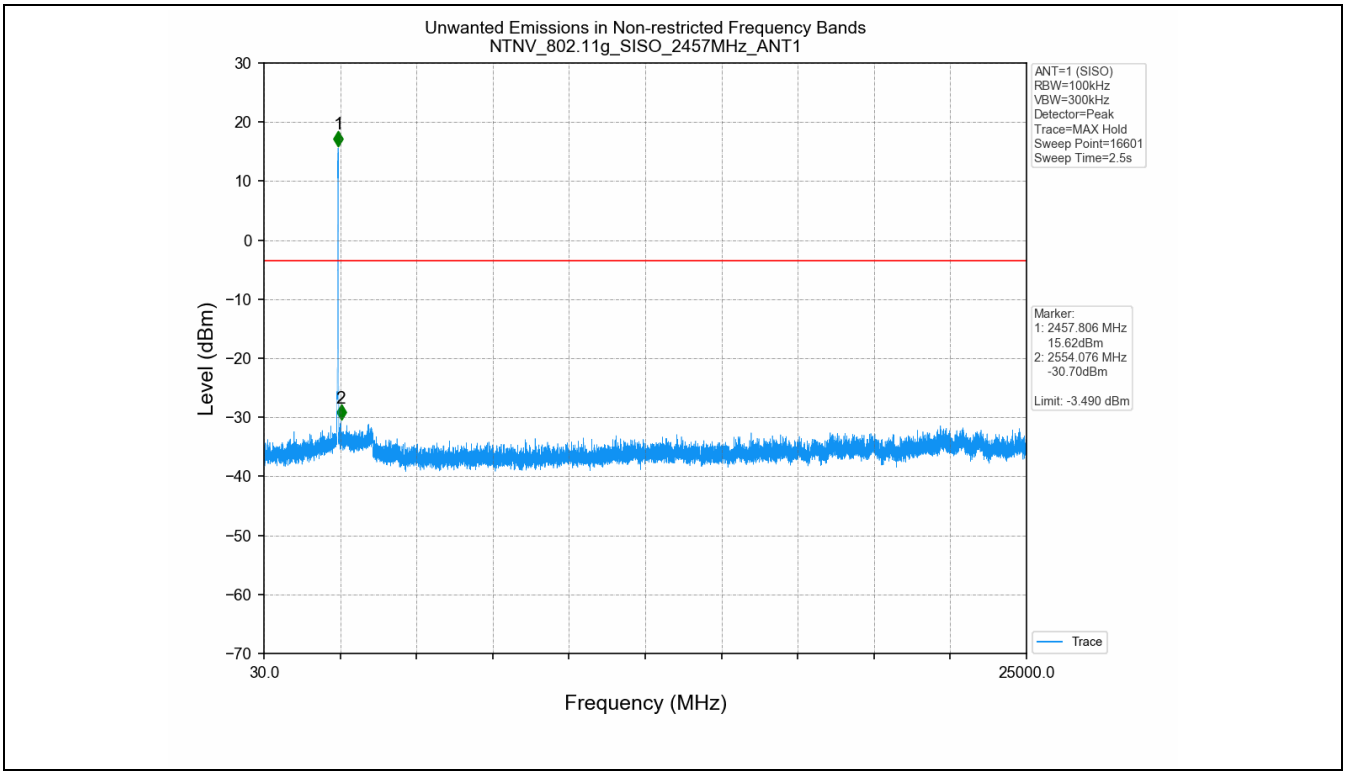

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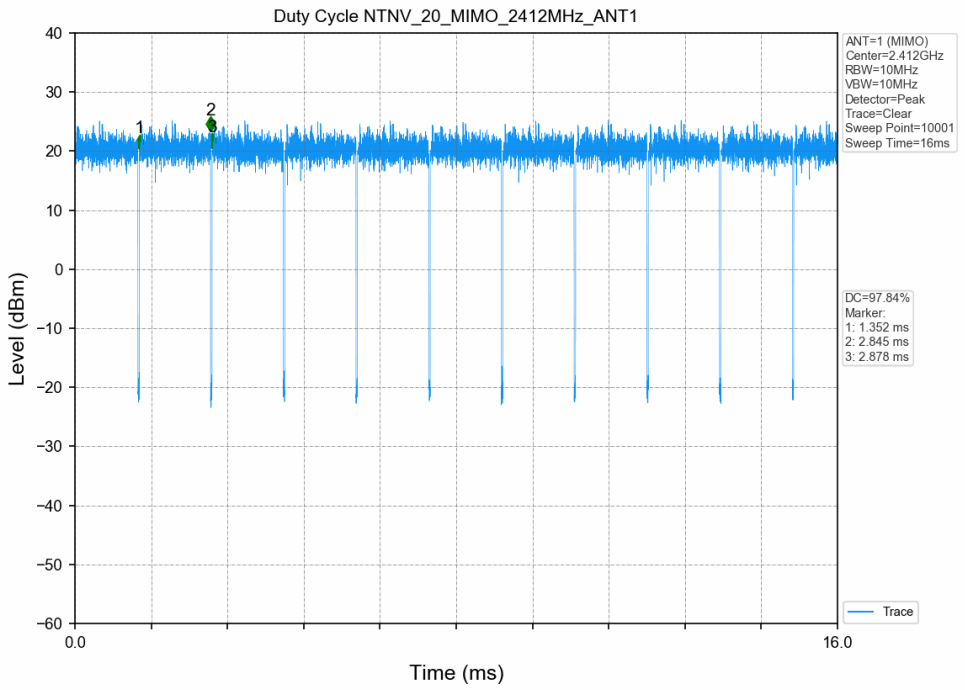
11.4 Appendix for 15.247 - 2.4G WiFi-11AX-CDD

1. Duty Cycle

1.1 Test Result

Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
20	2412	MIMO	1	1.493	1.526	97.84	0.09
	2437	MIMO	1	1.493	1.526	97.84	0.09
	2462	MIMO	1	1.493	1.526	97.84	0.09
40	2422	MIMO	1	0.779	0.811	96.05	0.18
	2437	MIMO	1	0.779	0.811	96.05	0.18
	2452	MIMO	1	0.780	0.812	96.06	0.17

1.2 Test Graph



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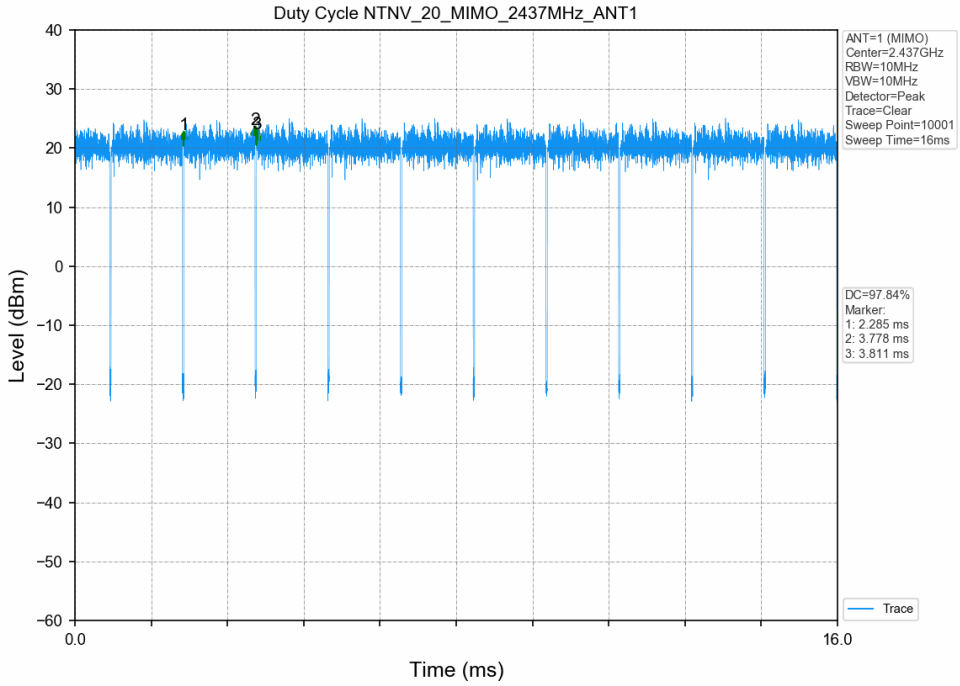

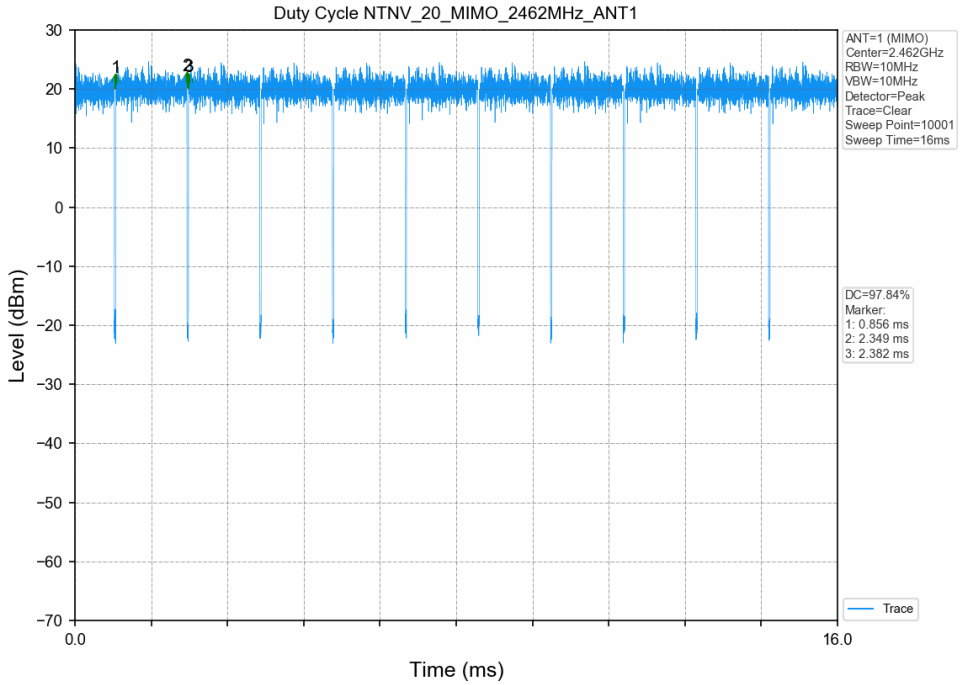

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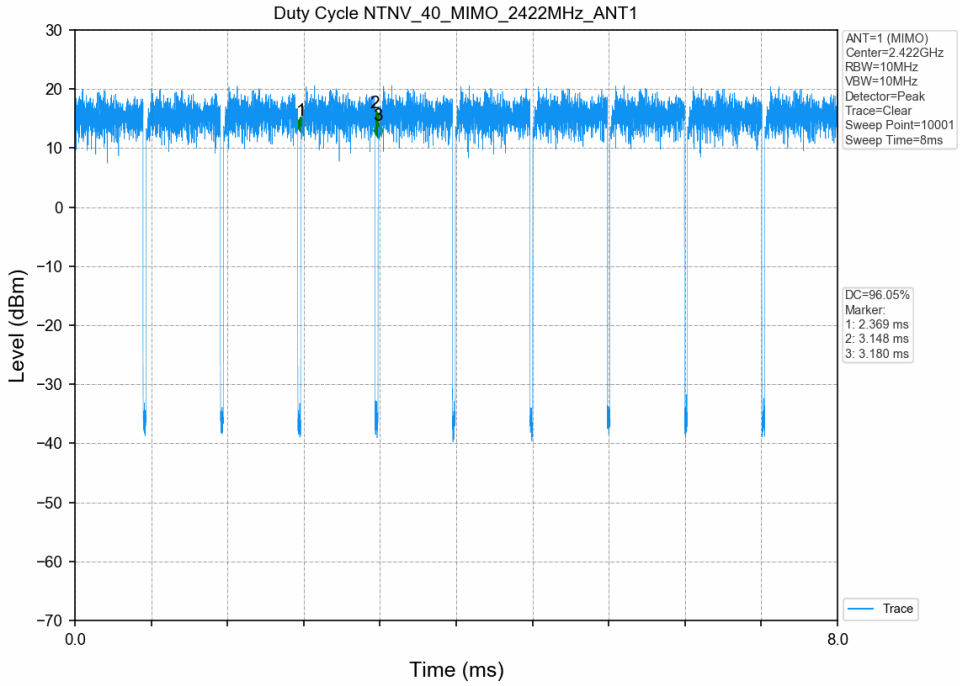

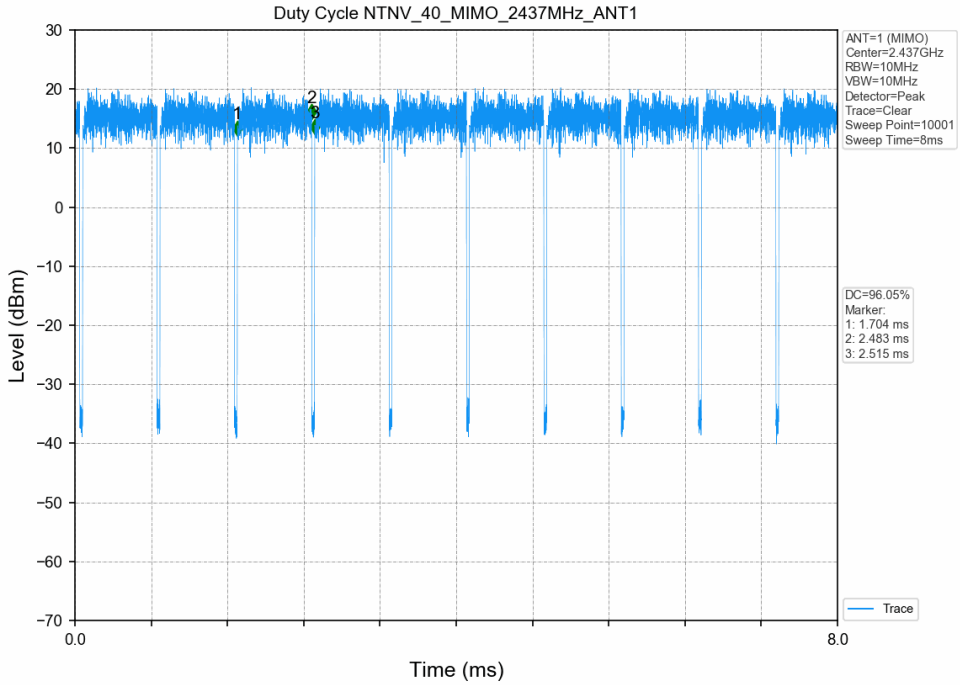

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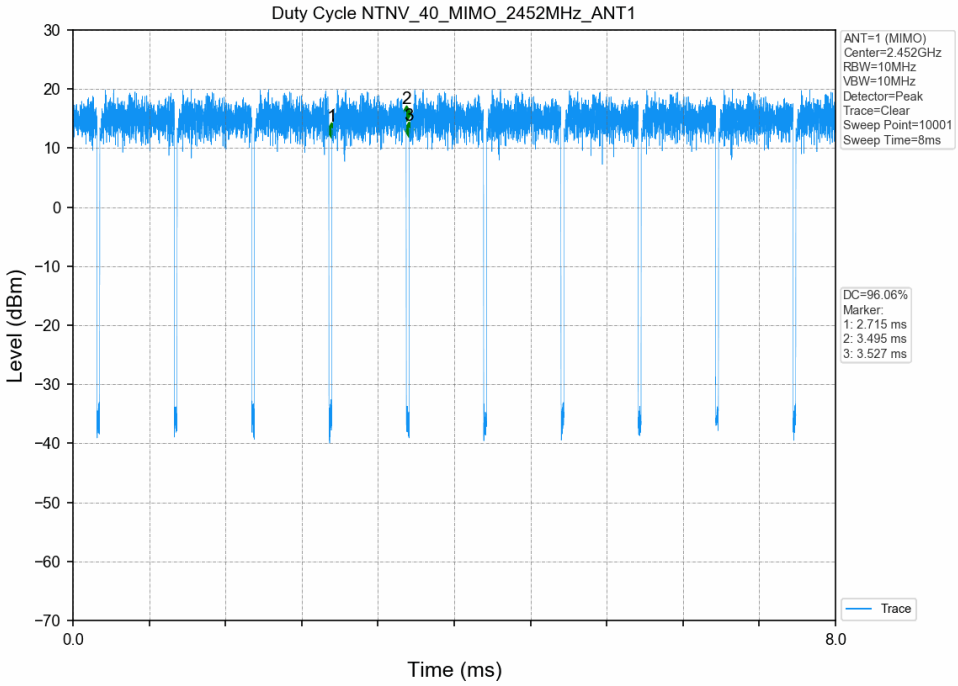

2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
20	2412	MIMO	1	18.971	≥0.5	PASS
	2437	MIMO	1	19.035	≥0.5	PASS
	2462	MIMO	1	19.010	≥0.5	PASS
40	2422	MIMO	1	37.470	≥0.5	PASS
	2437	MIMO	1	37.498	≥0.5	PASS
	2452	MIMO	1	37.438	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
20	2412	MIMO	1	19.773	Only for Report Use
	2437	MIMO	1	19.825	Only for Report Use
	2462	MIMO	1	19.827	Only for Report Use
40	2422	MIMO	1	38.433	Only for Report Use
	2437	MIMO	1	38.520	Only for Report Use
	2452	MIMO	1	38.628	Only for Report Use

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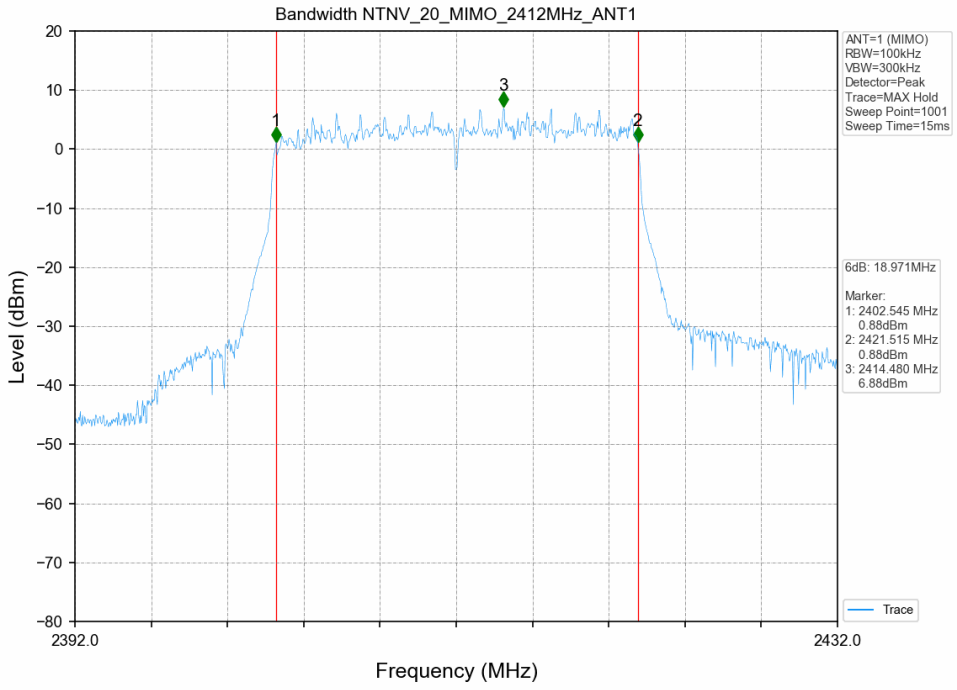
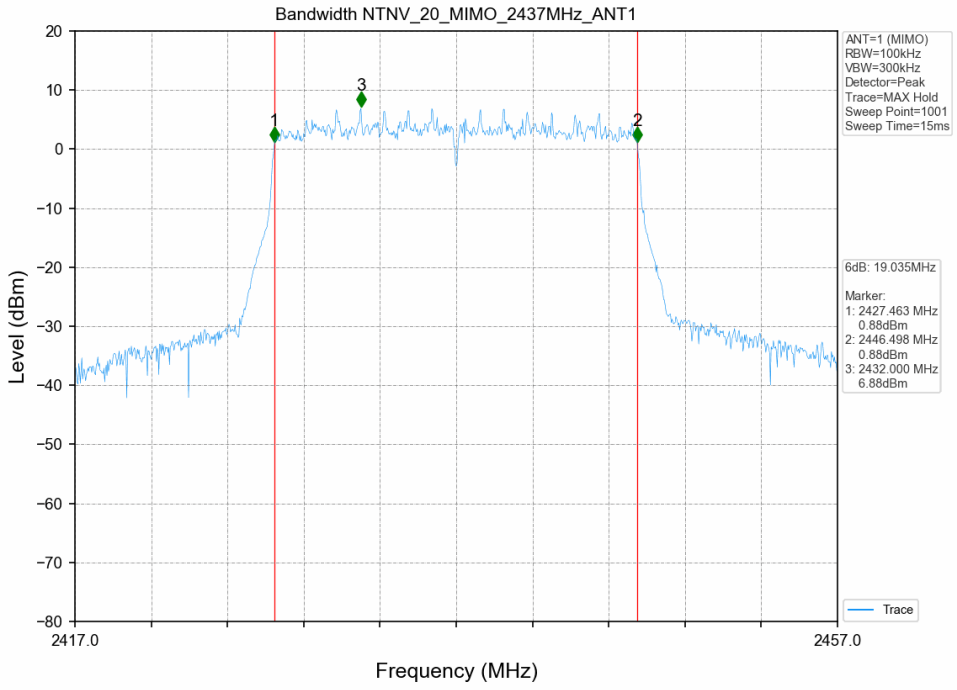
2.2 Test Graph - 6dB Bandwidth





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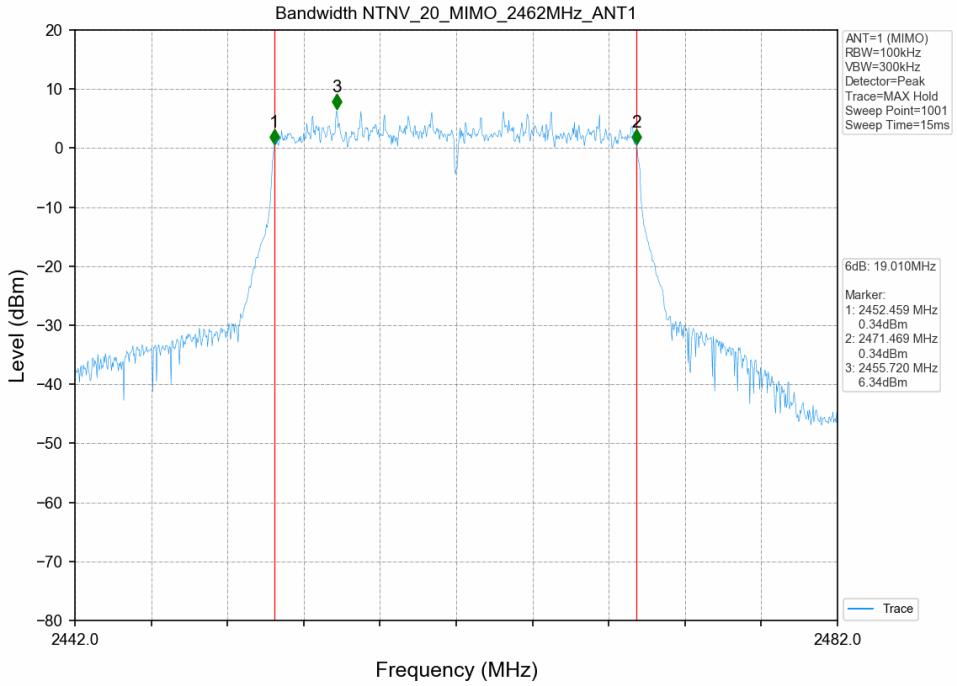

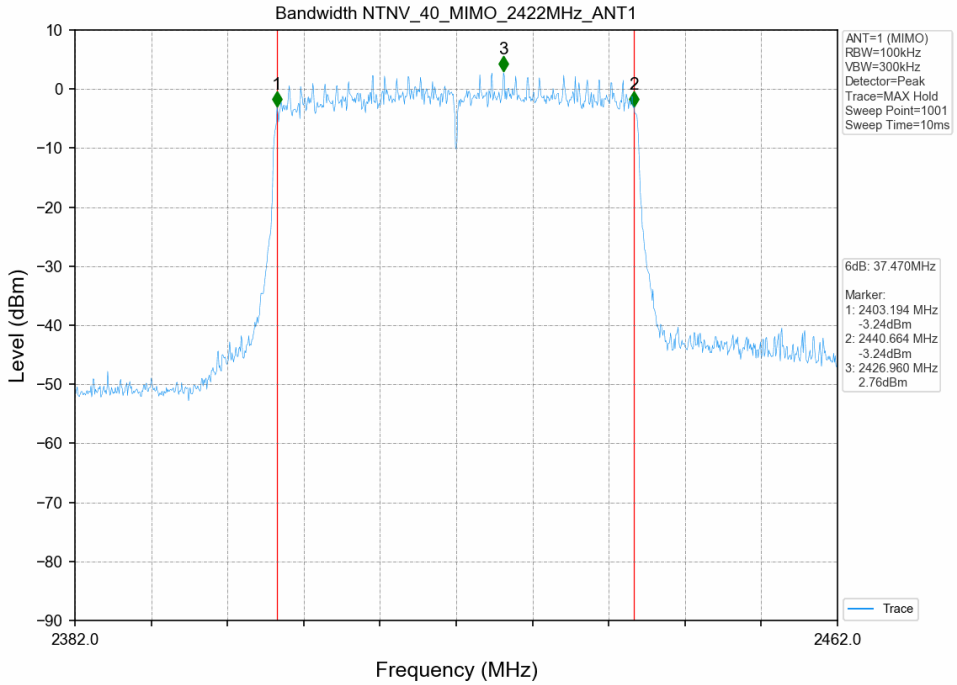

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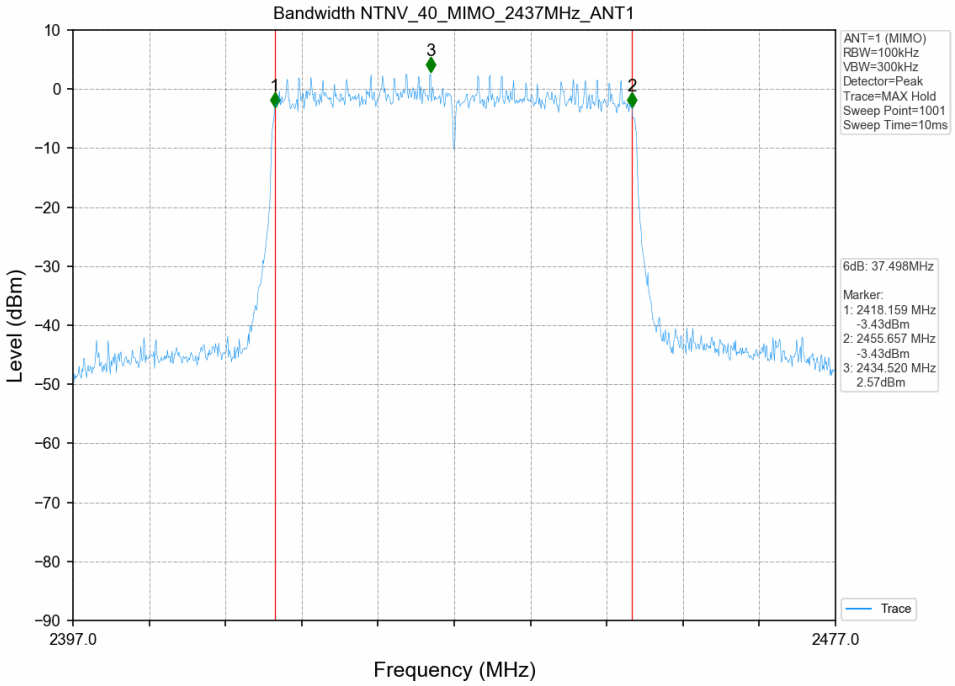

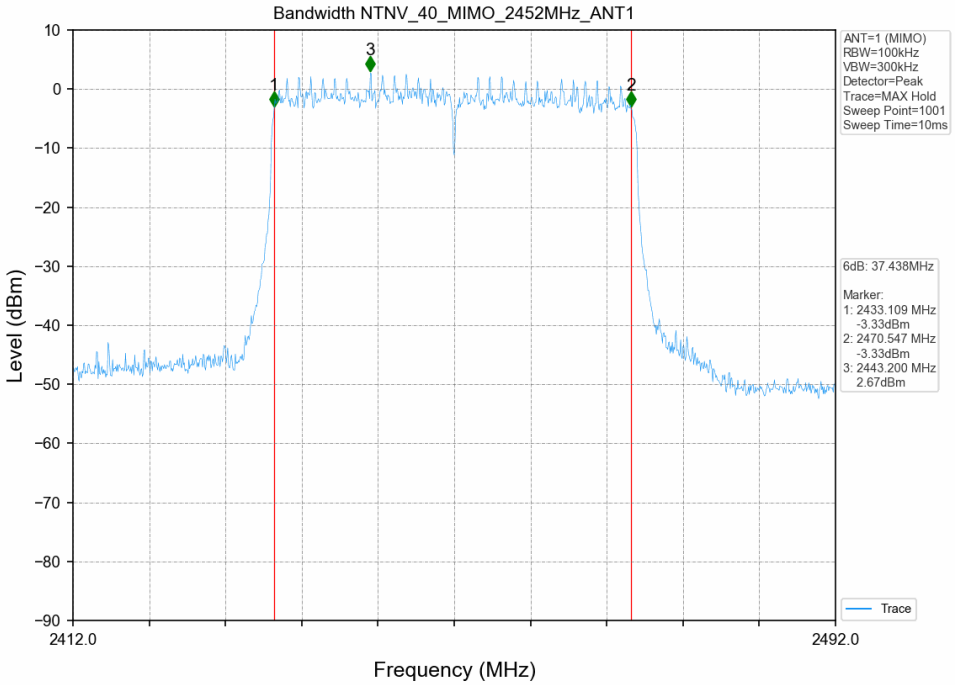

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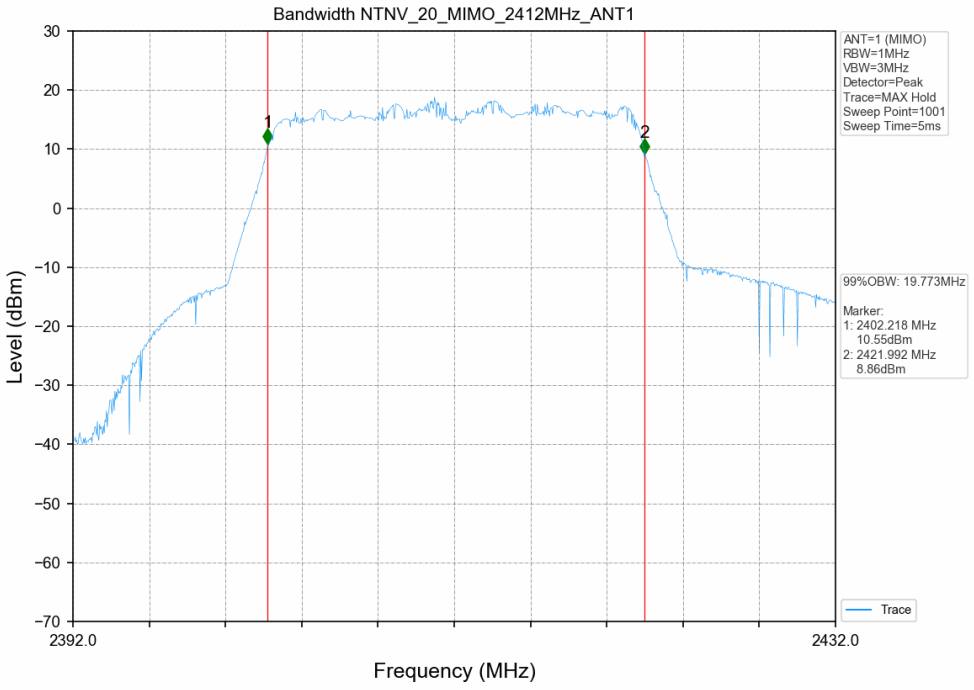
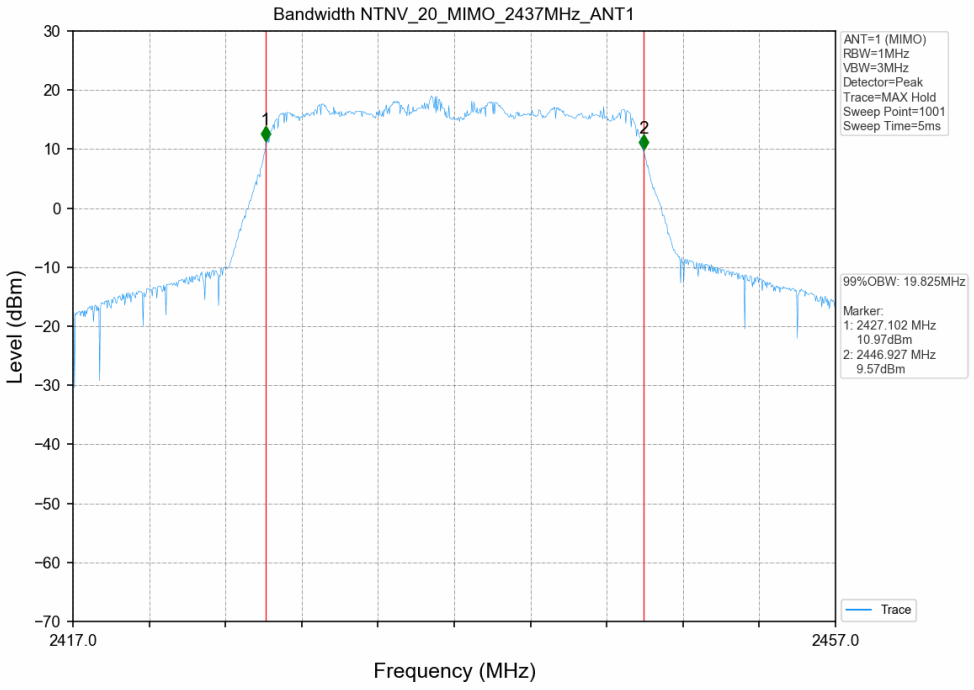
2.3 Test Graph - 99% Occupied Bandwidth





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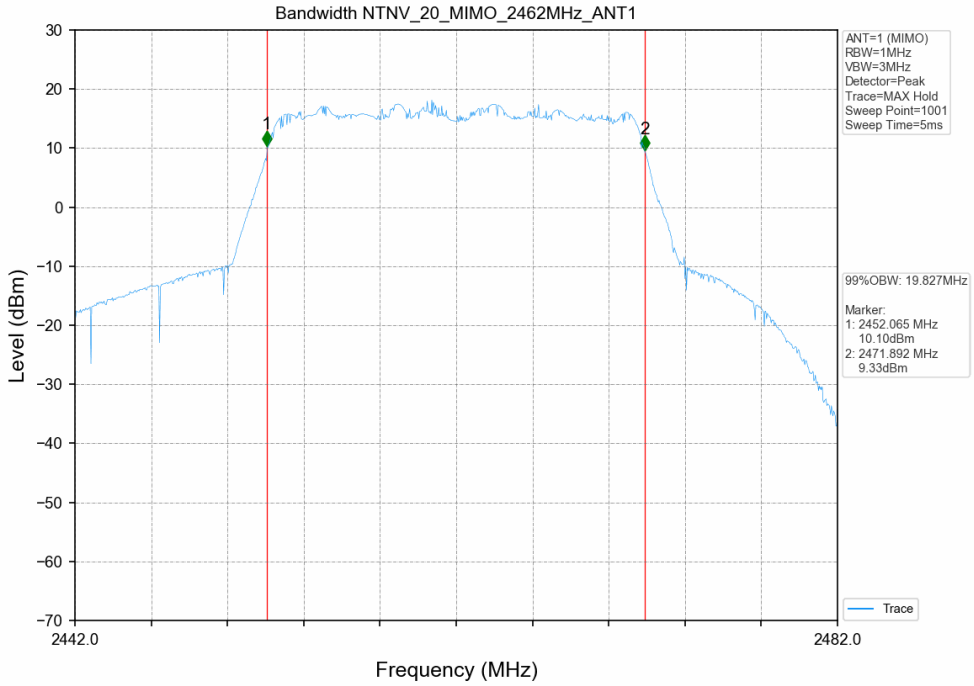

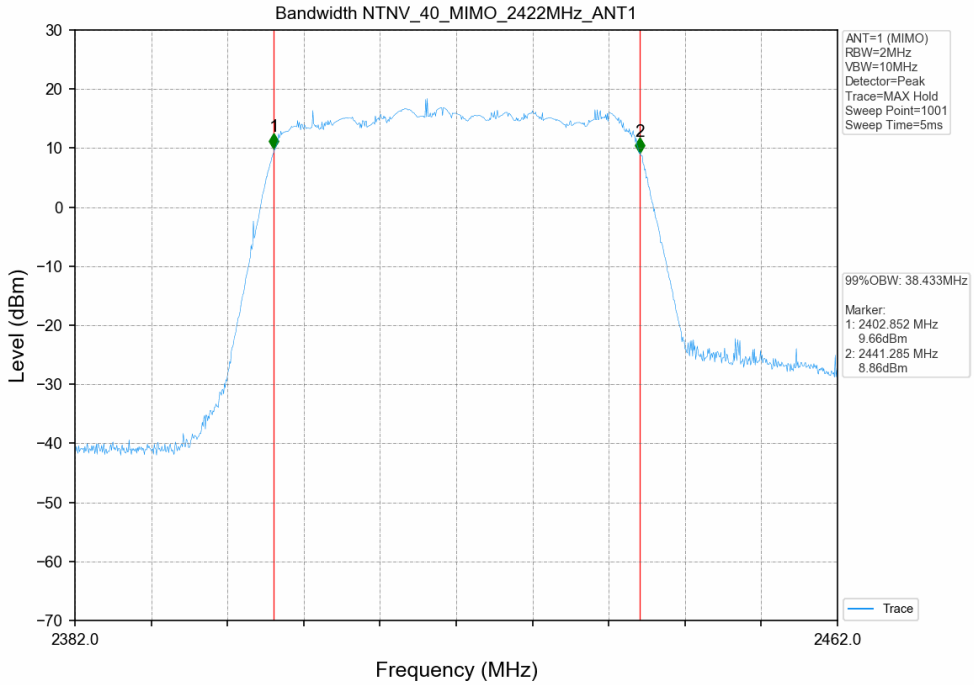

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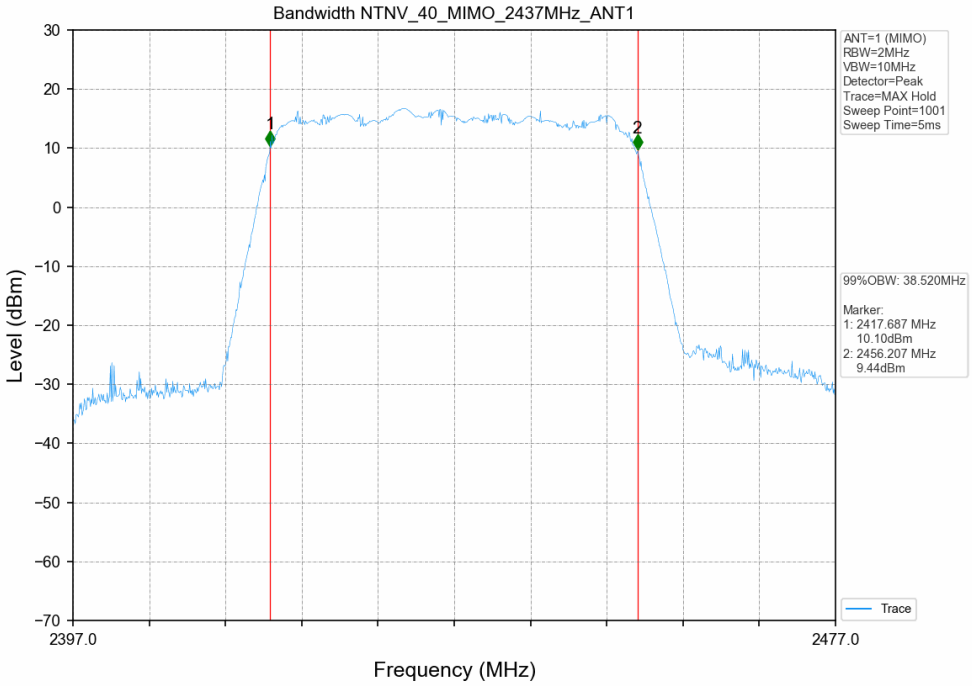

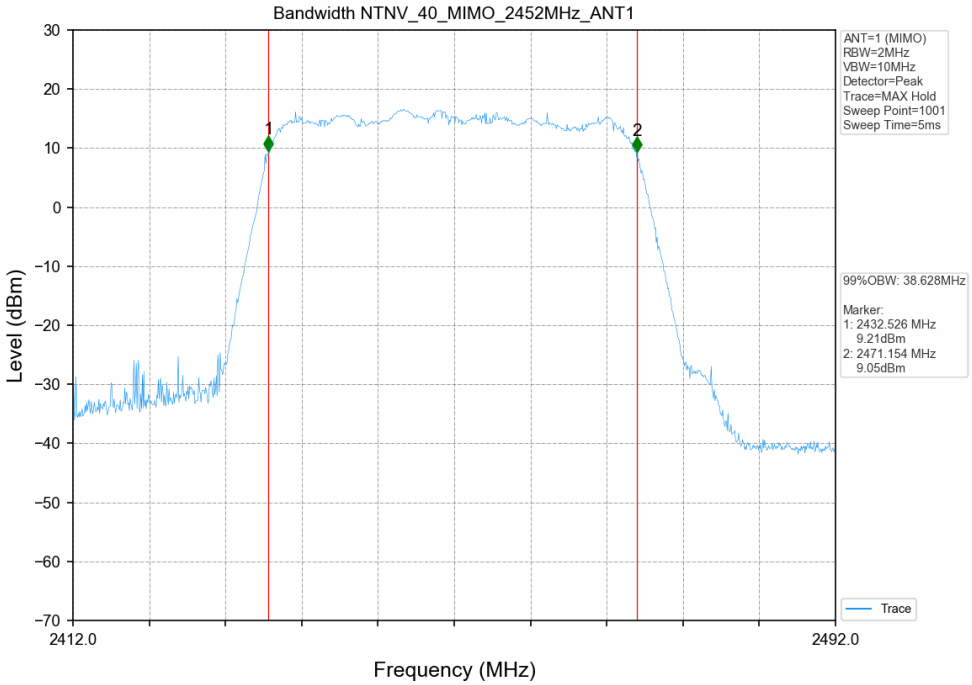

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3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Average Output Power (dBm)					Limits (dBm)	Verdict
			Ant 1	Ant 2	Ant 3	Ant 4	Total		
20	2412	MIMO	23.32	23.14	23.38	23.21	29.28	30	PASS
	2437	MIMO	23.68	23.55	24.14	23.62	29.77	30	PASS
	2462	MIMO	22.86	23.01	23.27	22.95	29.05	30	PASS
40	2422	MIMO	21.26	21.41	21.3	21.18	27.31	30	PASS
	2437	MIMO	23.61	23.48	23.87	23.59	29.66	30	PASS
	2452	MIMO	21.15	21.28	21.51	21.37	27.35	30	PASS

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	Ant 3	Ant 4	Total		
20	2412	MIMO	-0.74	-0.70	-0.06	-0.94	5.42	≤8	PASS
	2437	MIMO	-0.88	-0.98	-0.87	-1.01	4.91	≤8	PASS
	2462	MIMO	-1.55	-2.19	-1.05	-1.68	4.42	≤8	PASS
40	2422	MIMO	-6.17	-5.74	-5.81	-6.31	-0.16	≤8	PASS
	2437	MIMO	-4.65	-4.62	-3.95	-4.68	1.07	≤8	PASS
	2452	MIMO	-6.33	-6.24	-5.77	-6.30	-0.13	≤8	PASS

1.2 Test Graph

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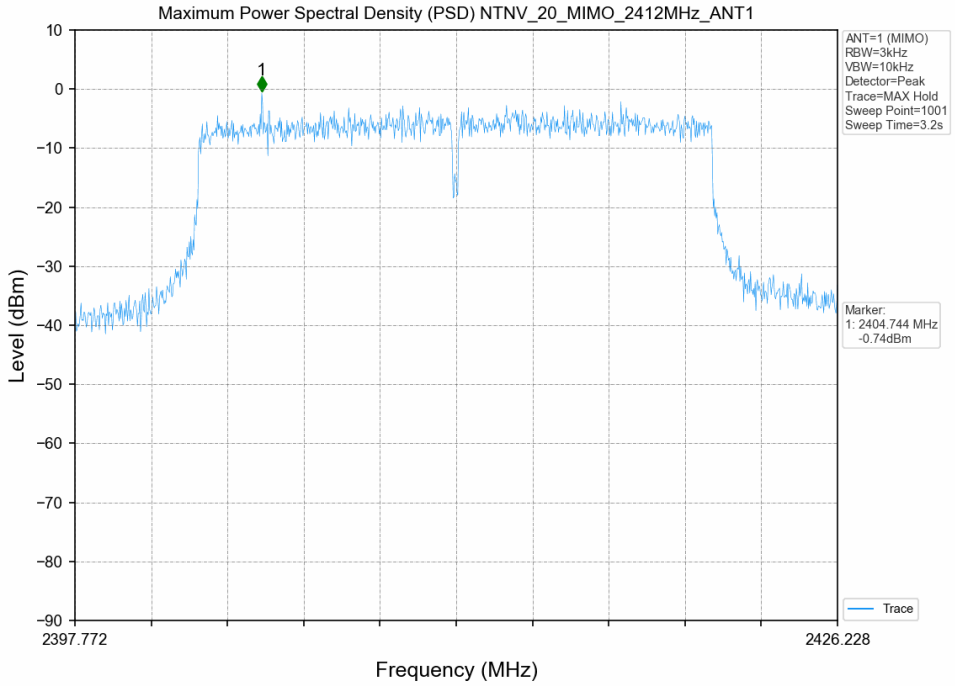

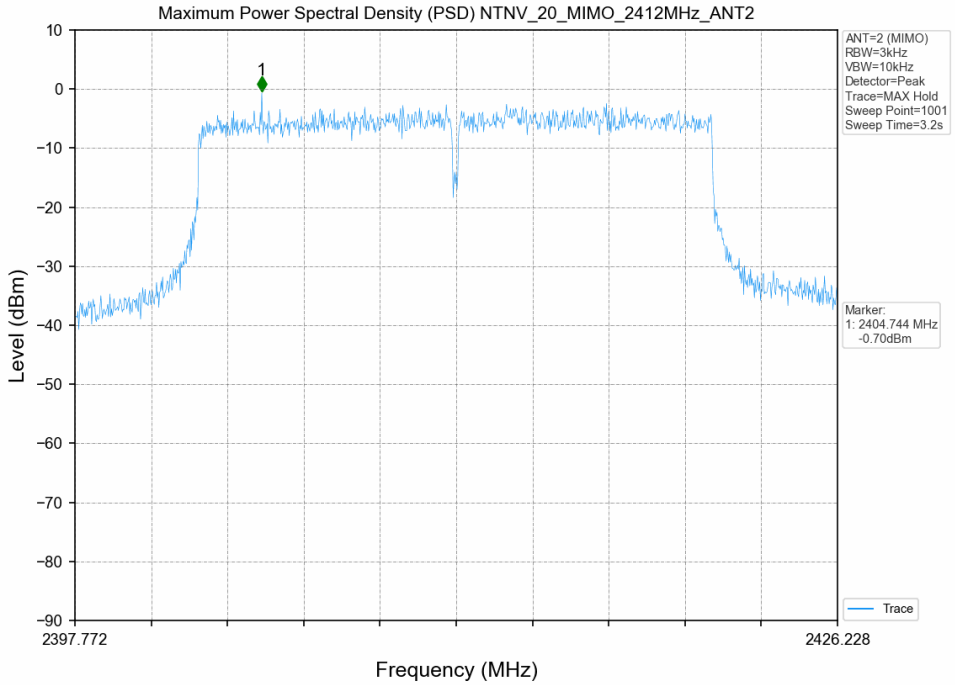

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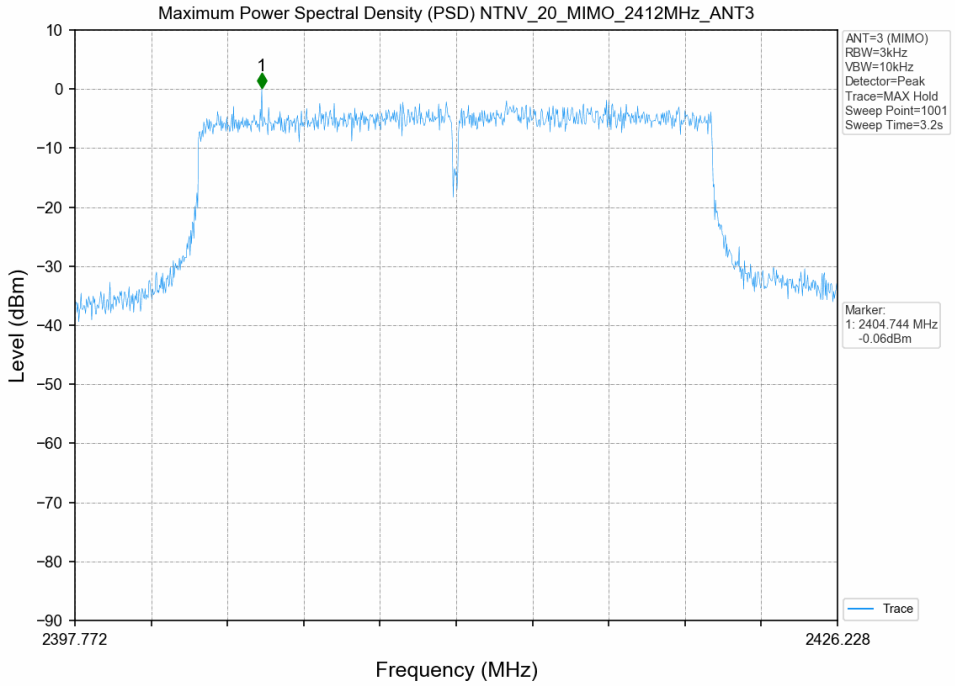

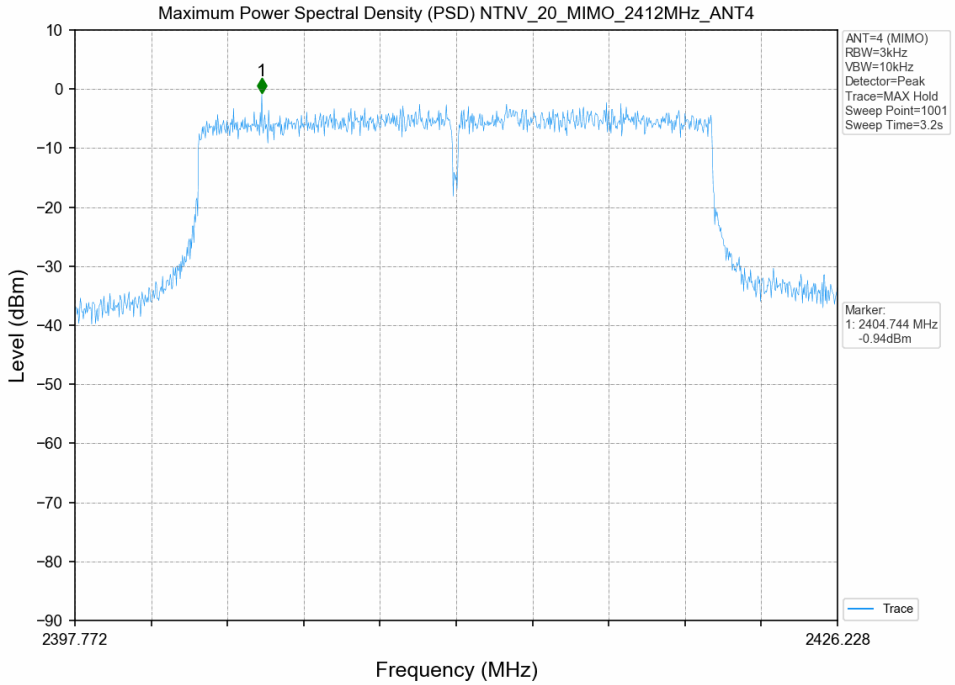

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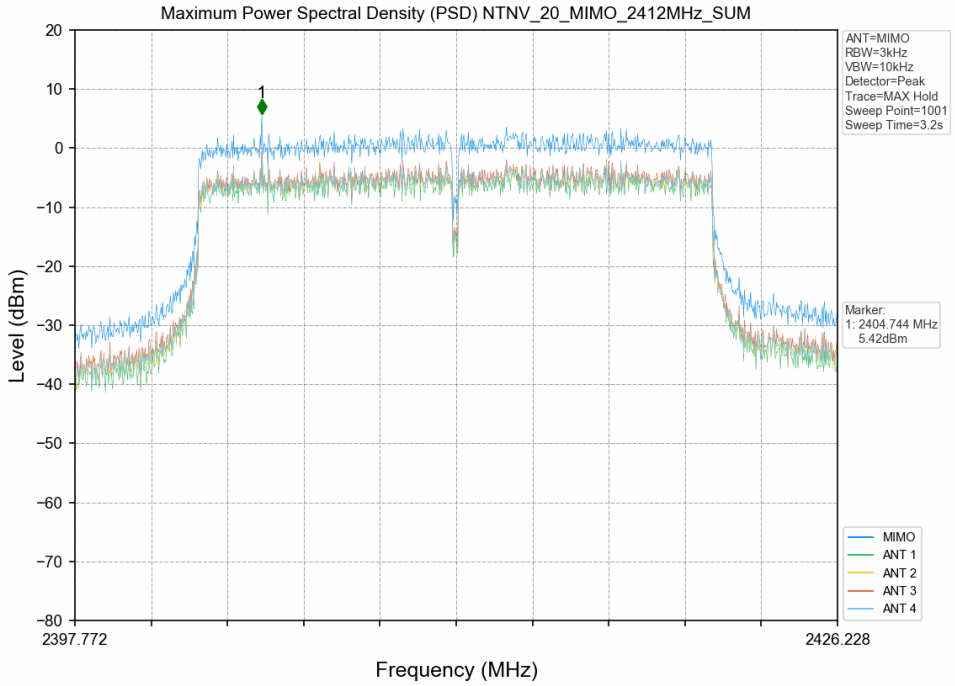

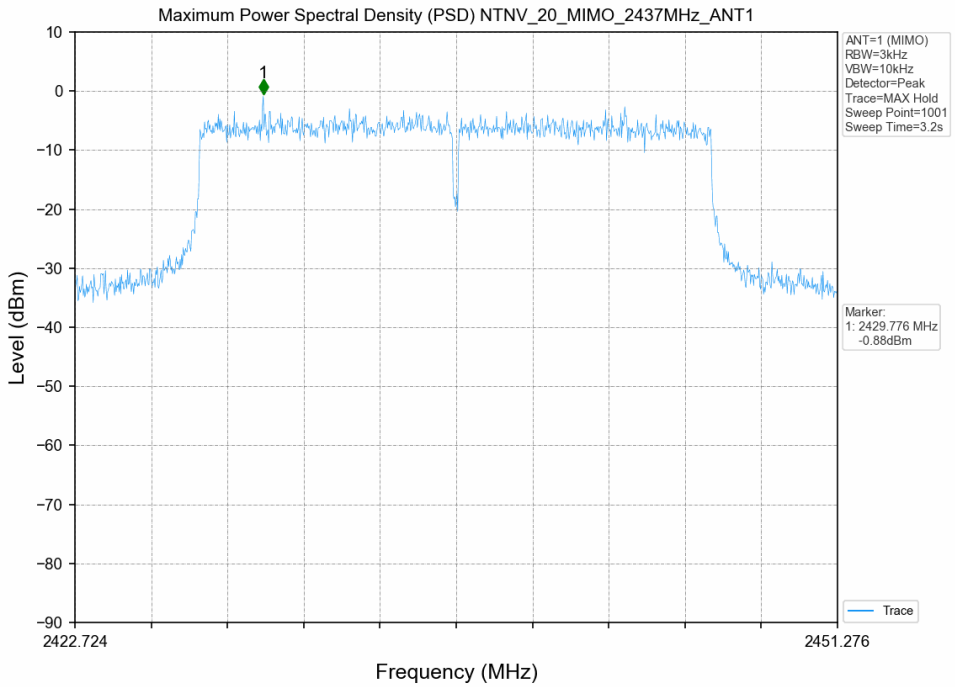

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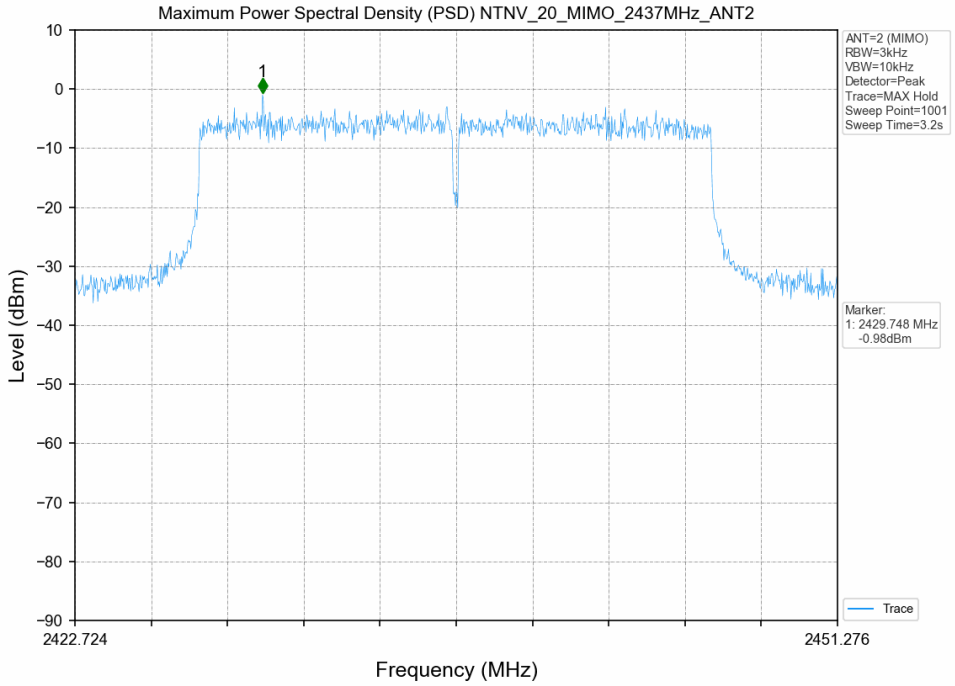

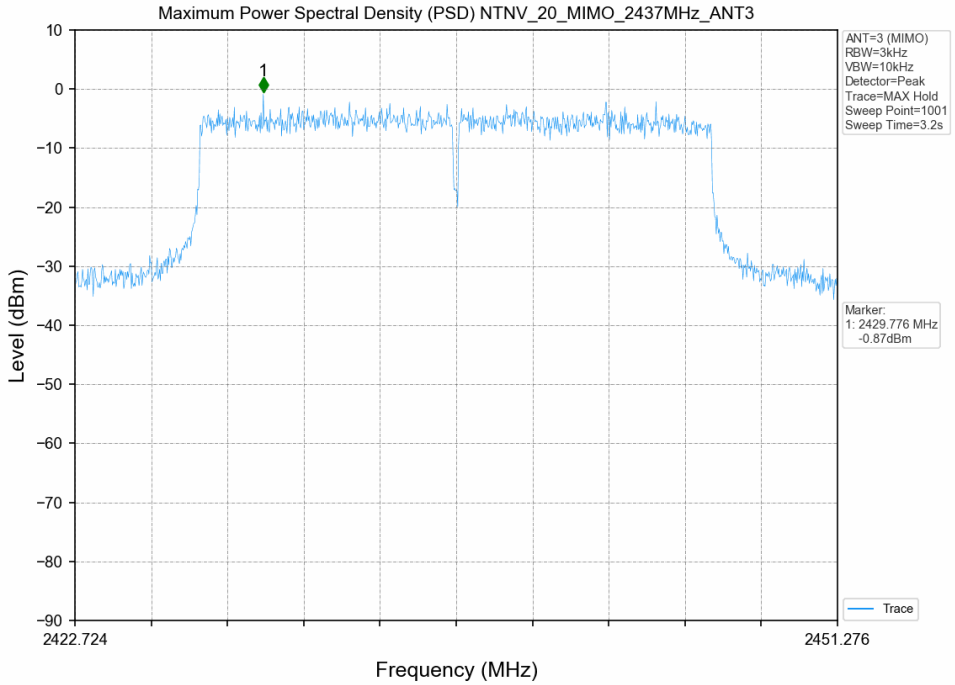

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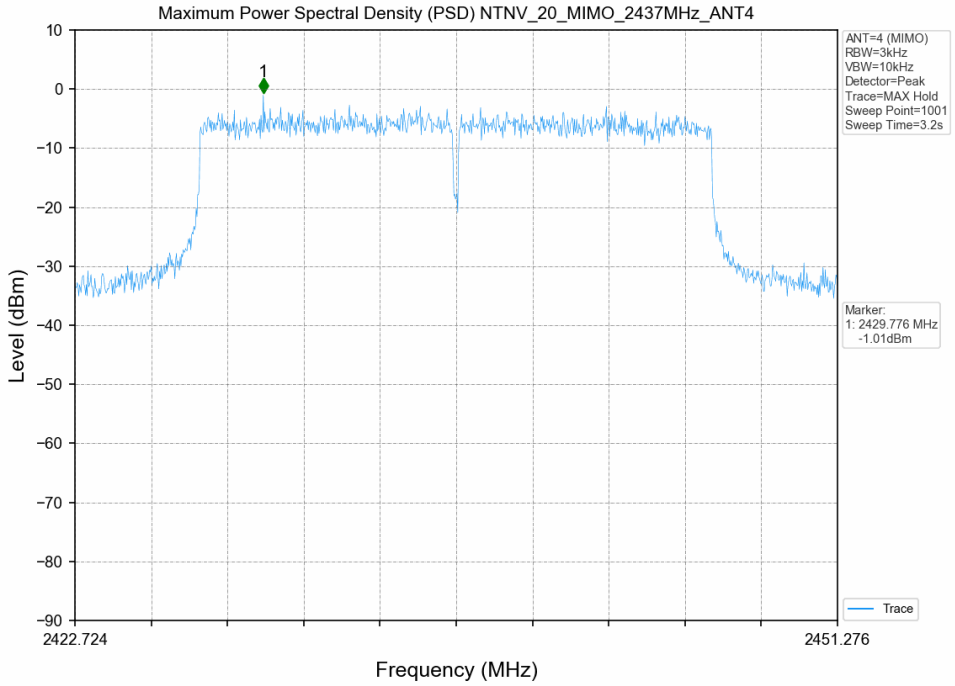

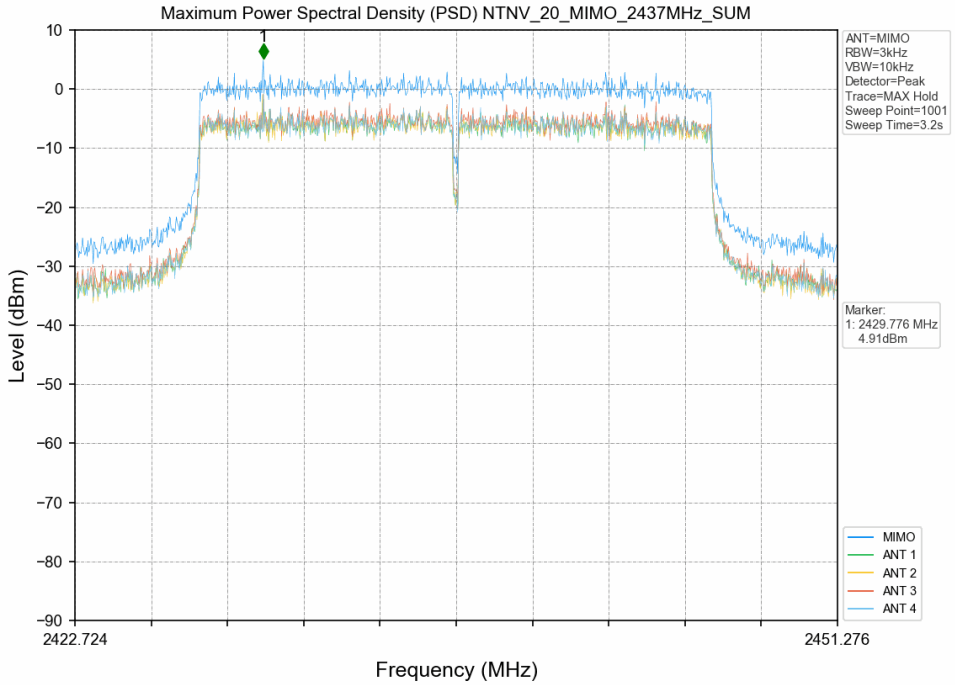

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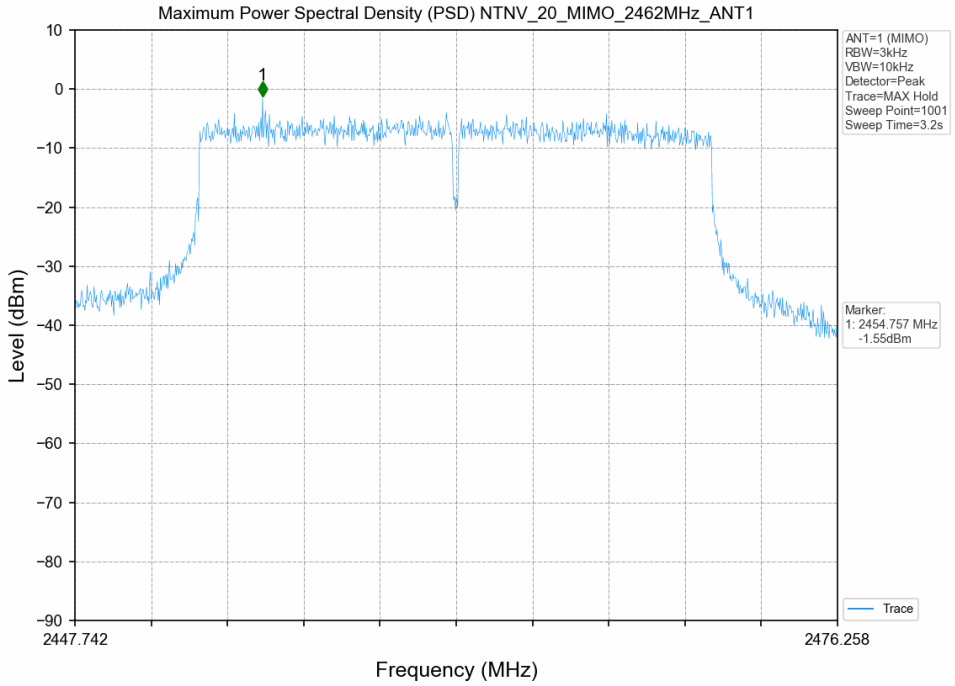

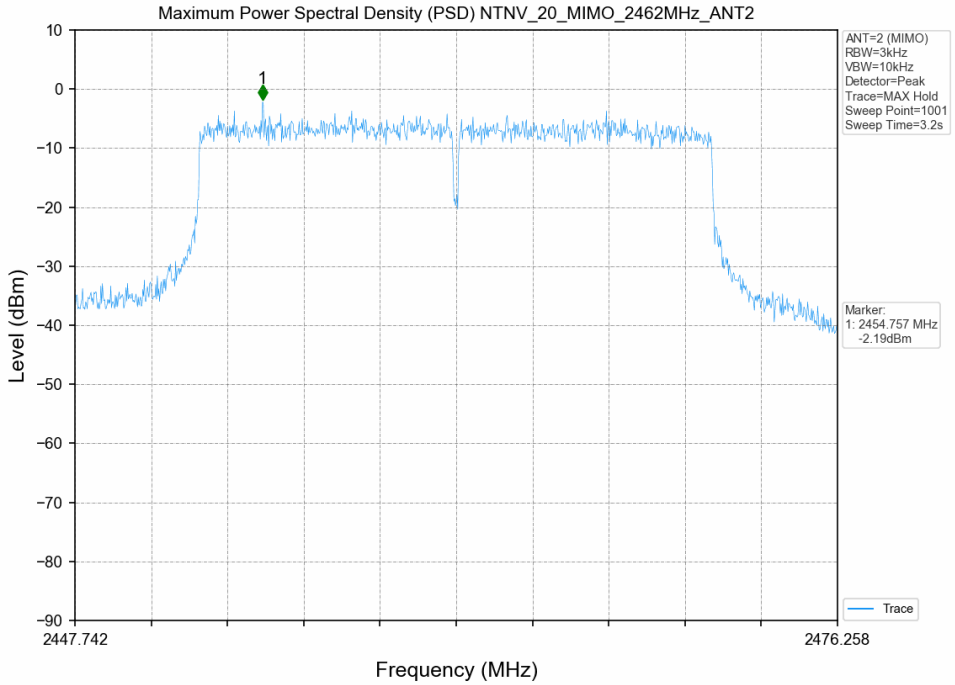

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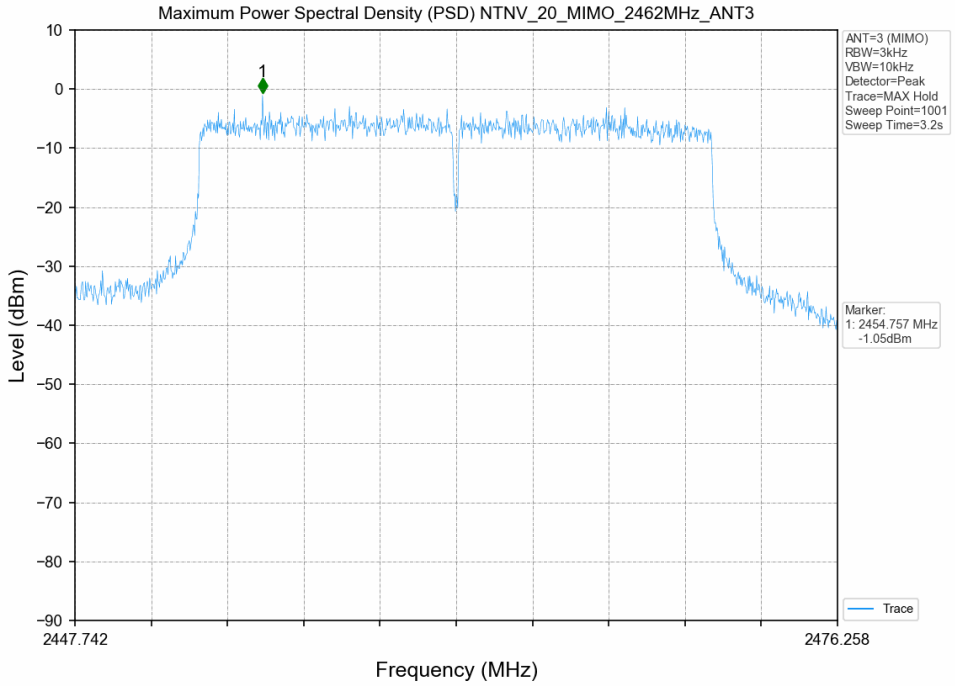

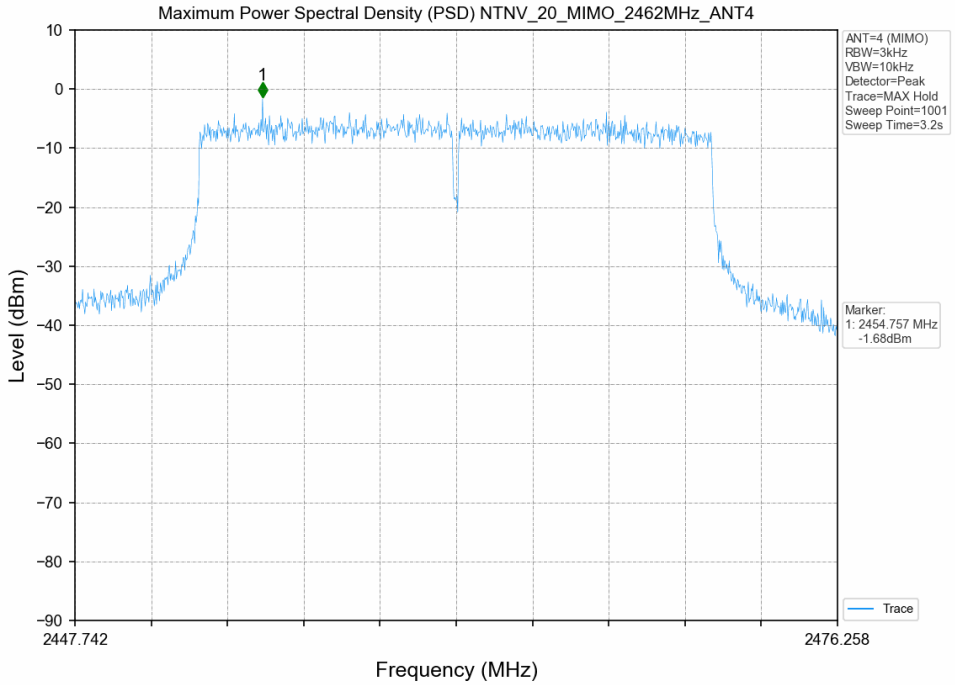

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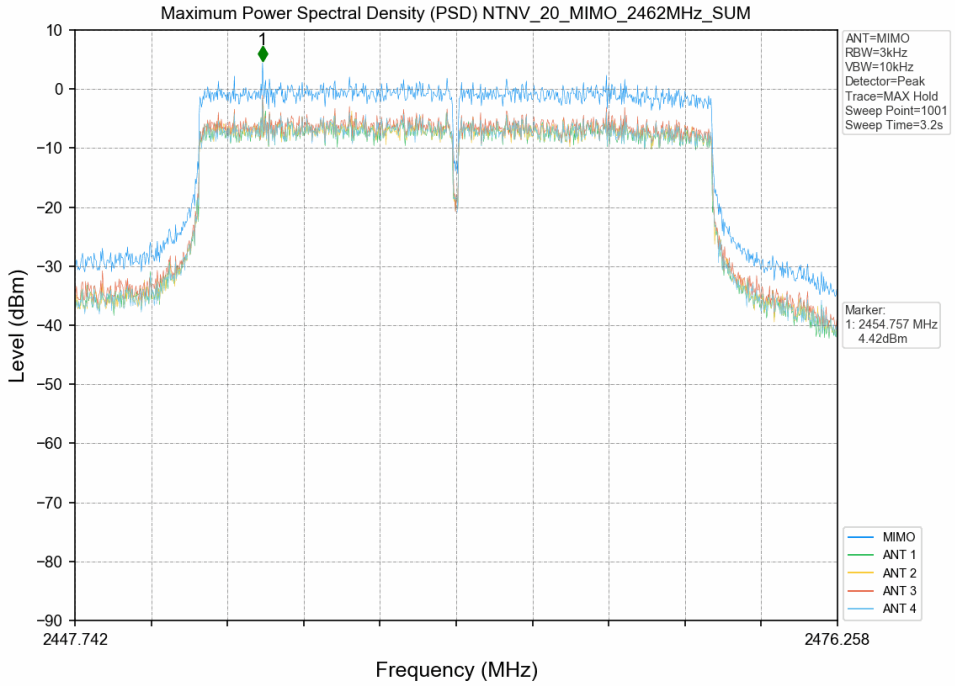

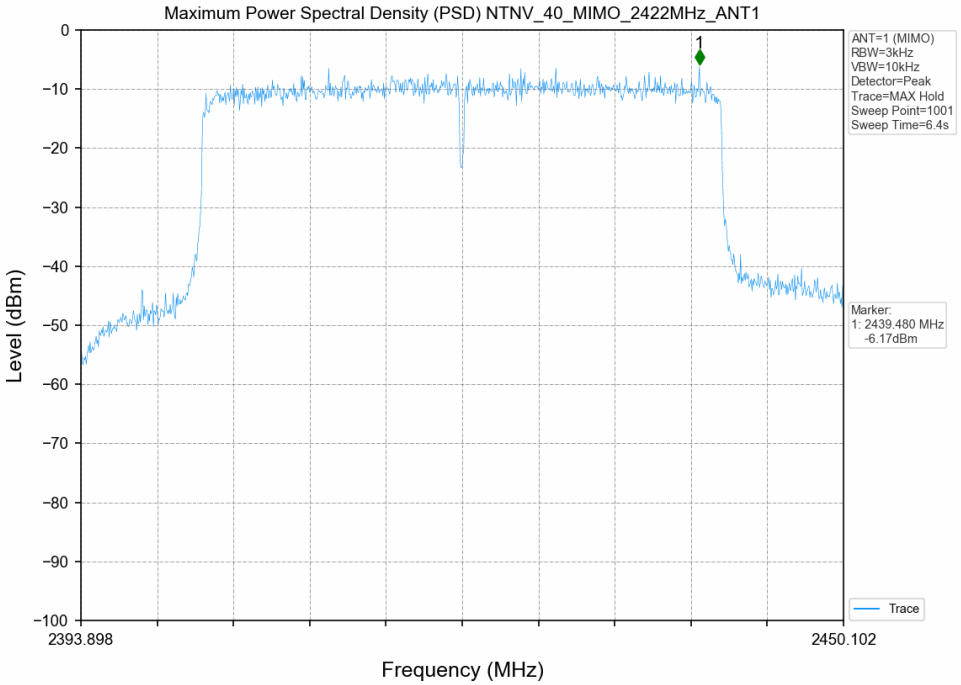

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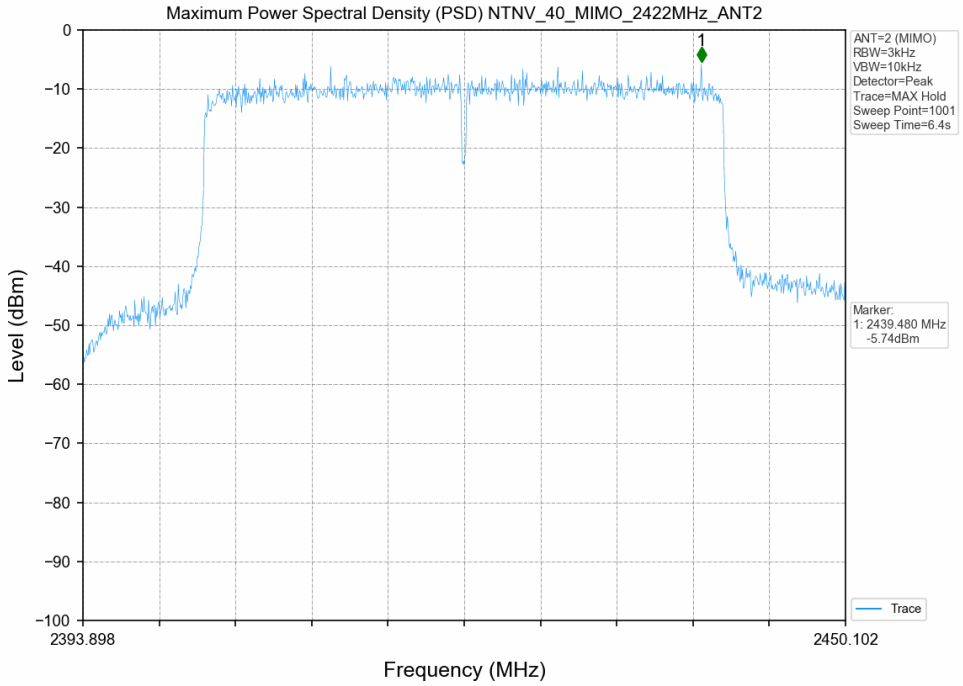

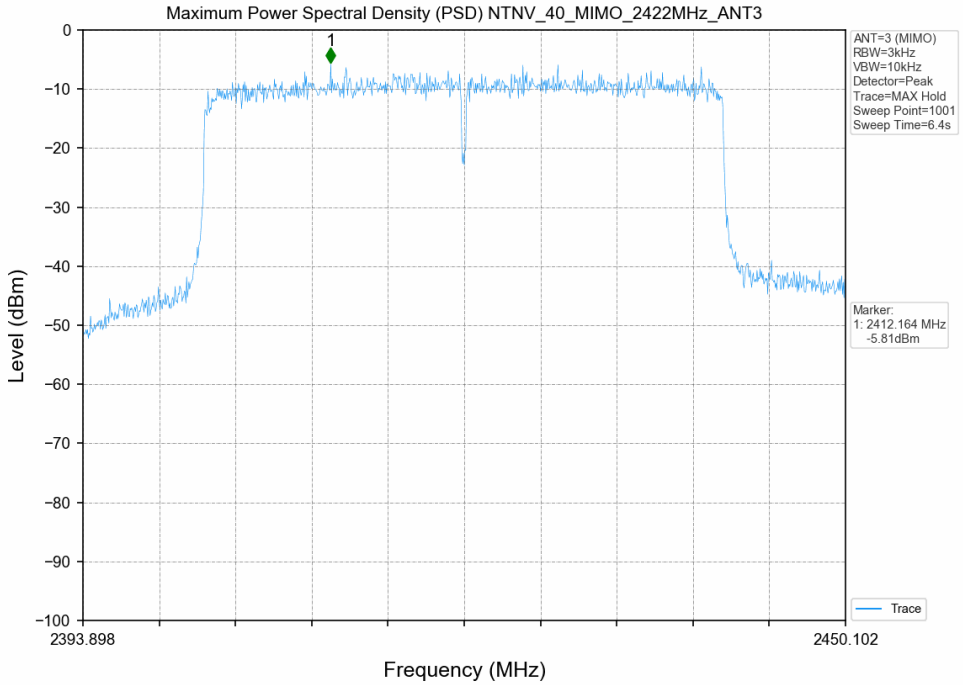

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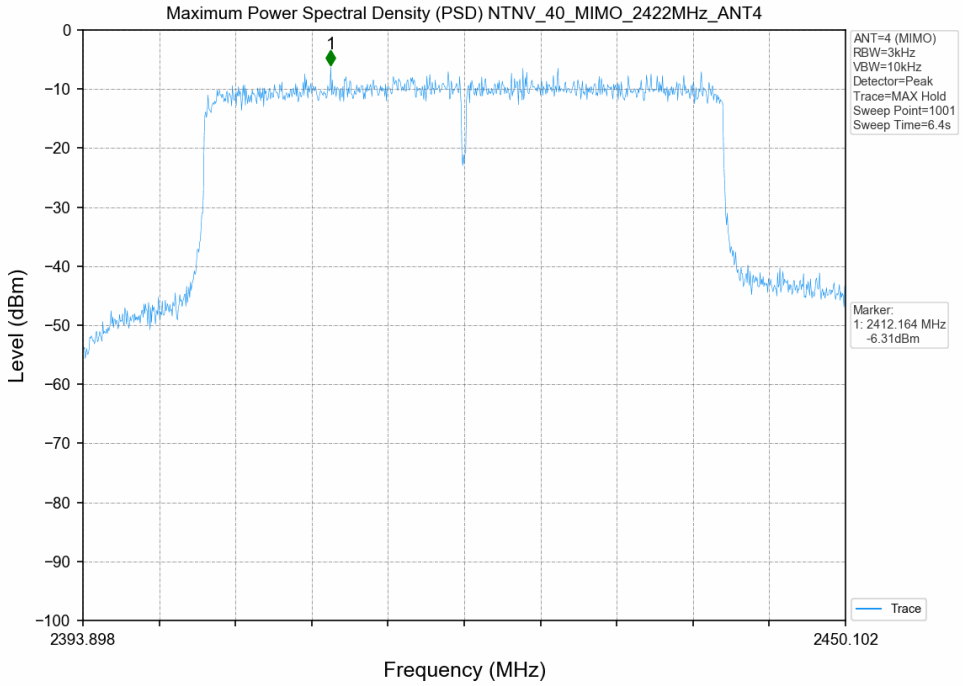

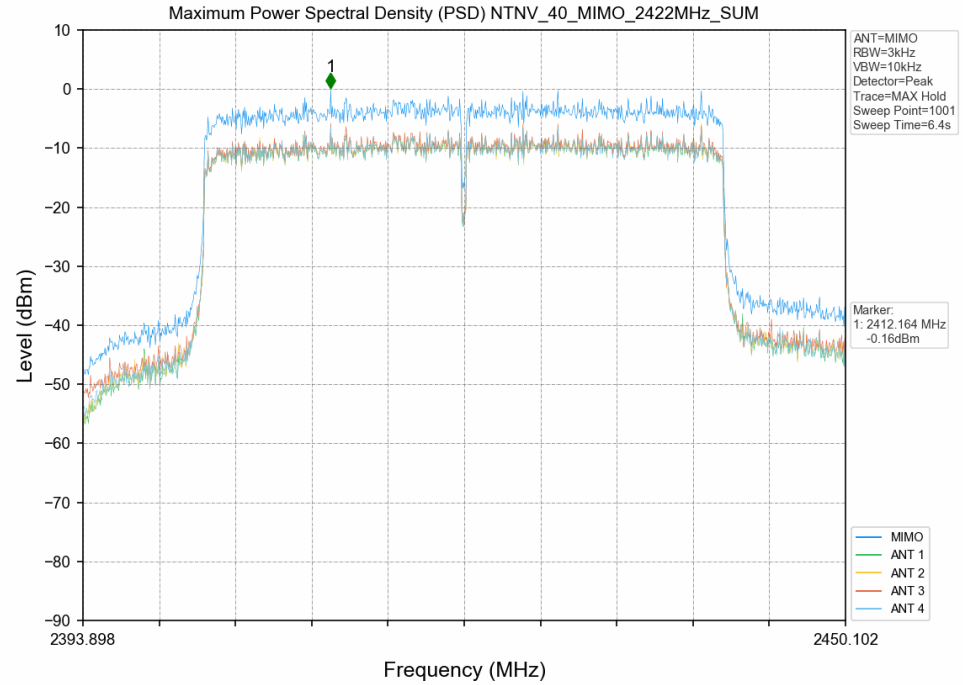

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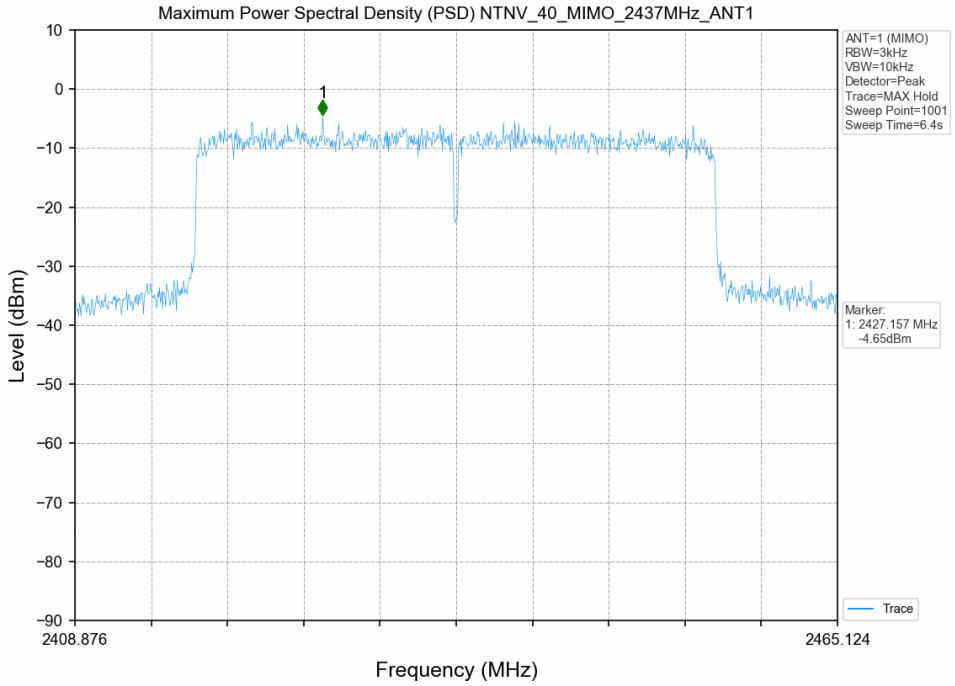

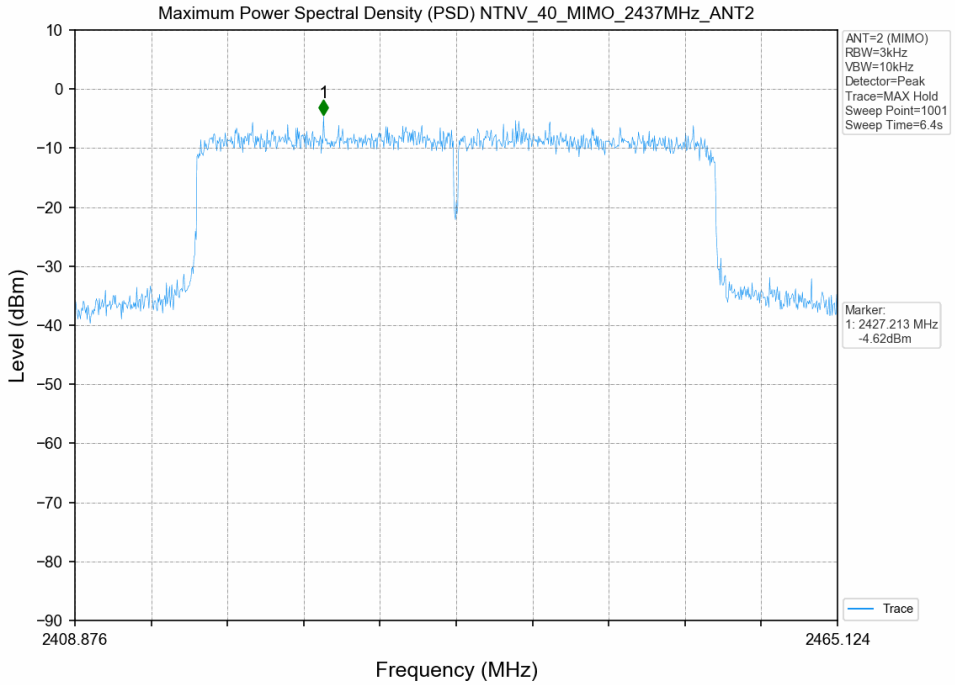

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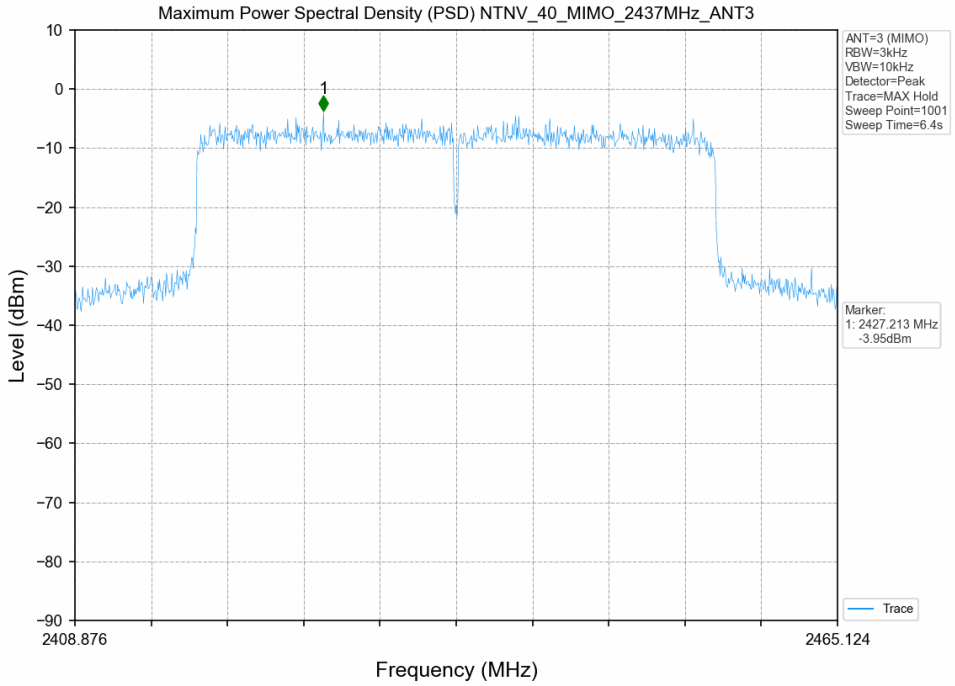

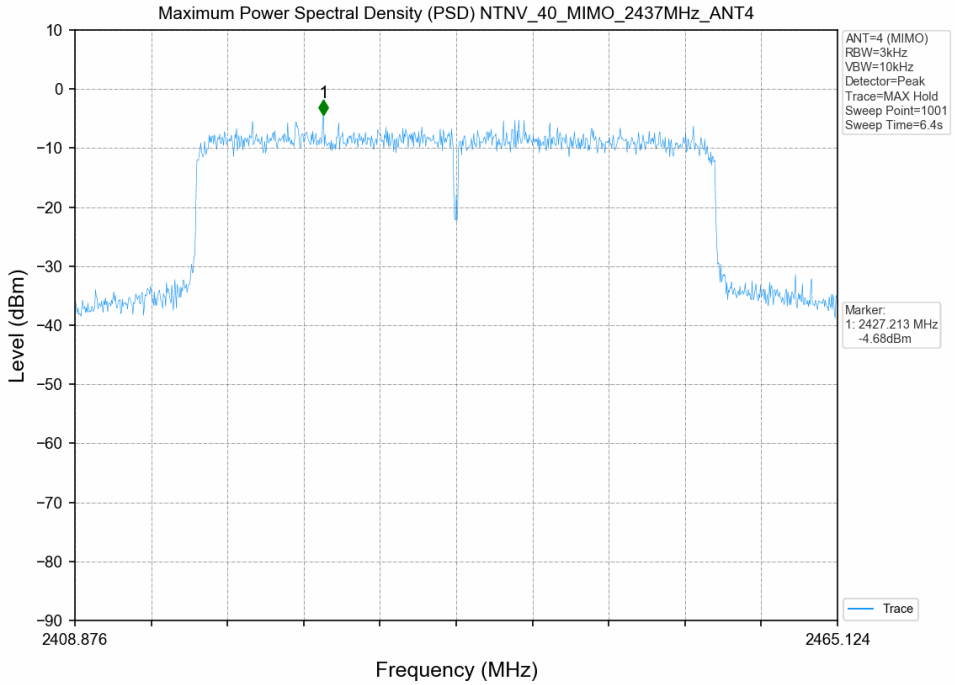

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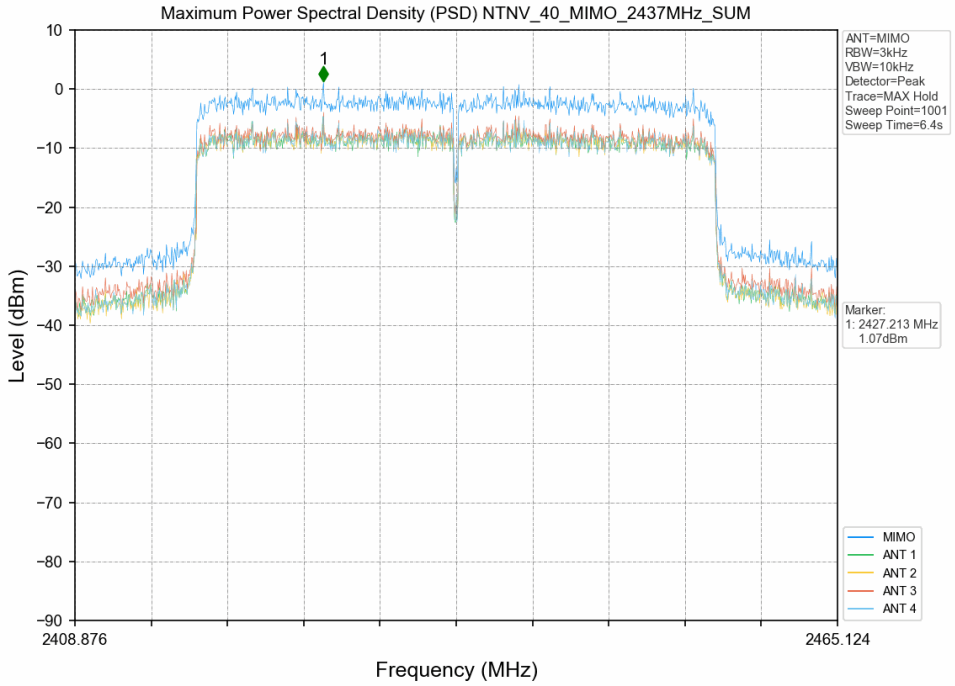

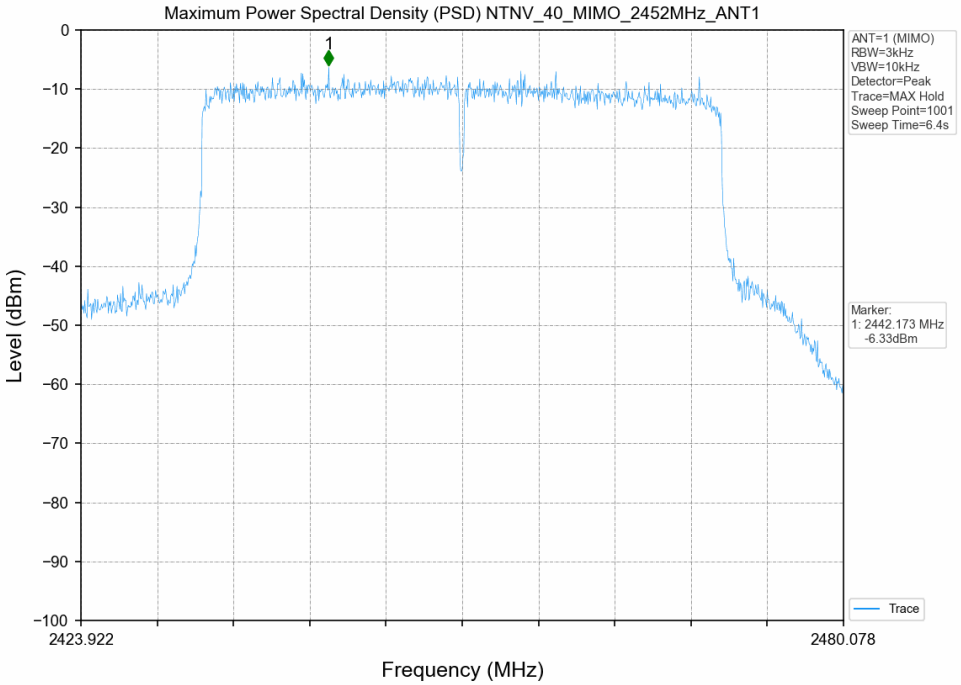

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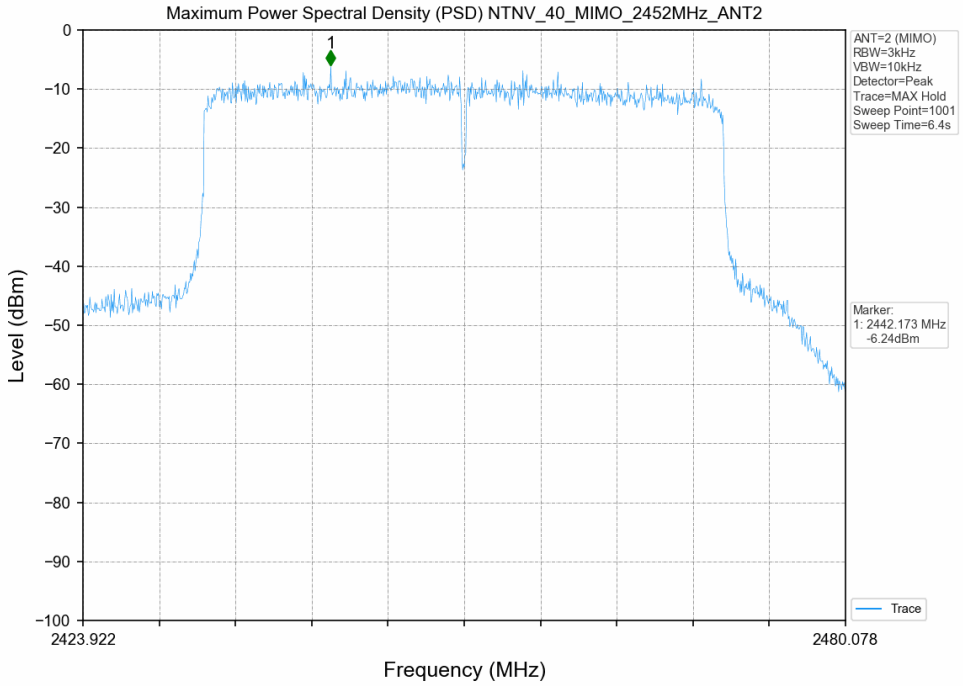

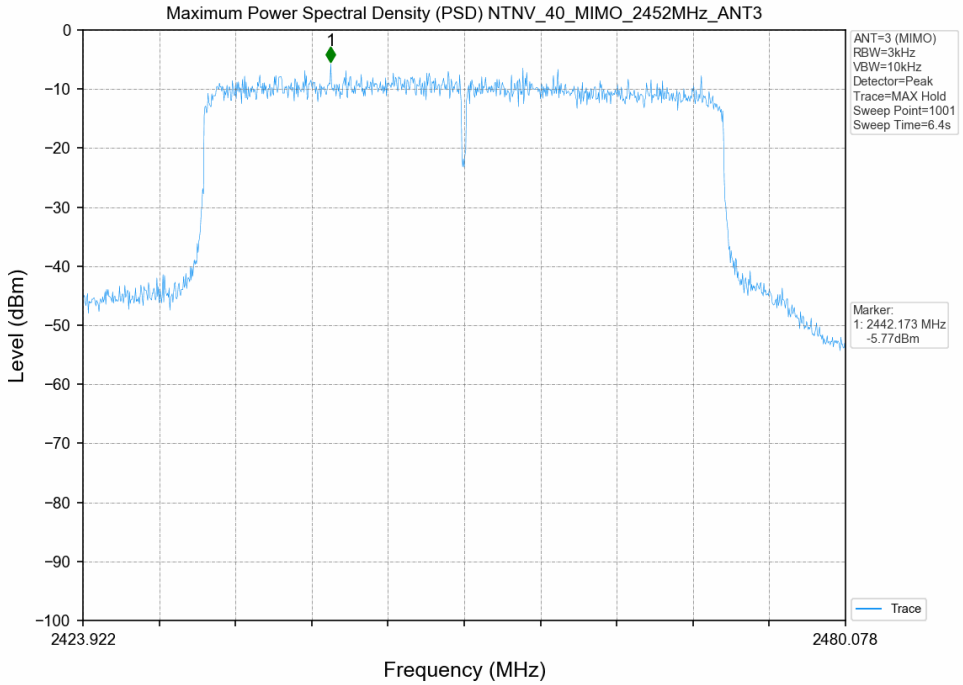

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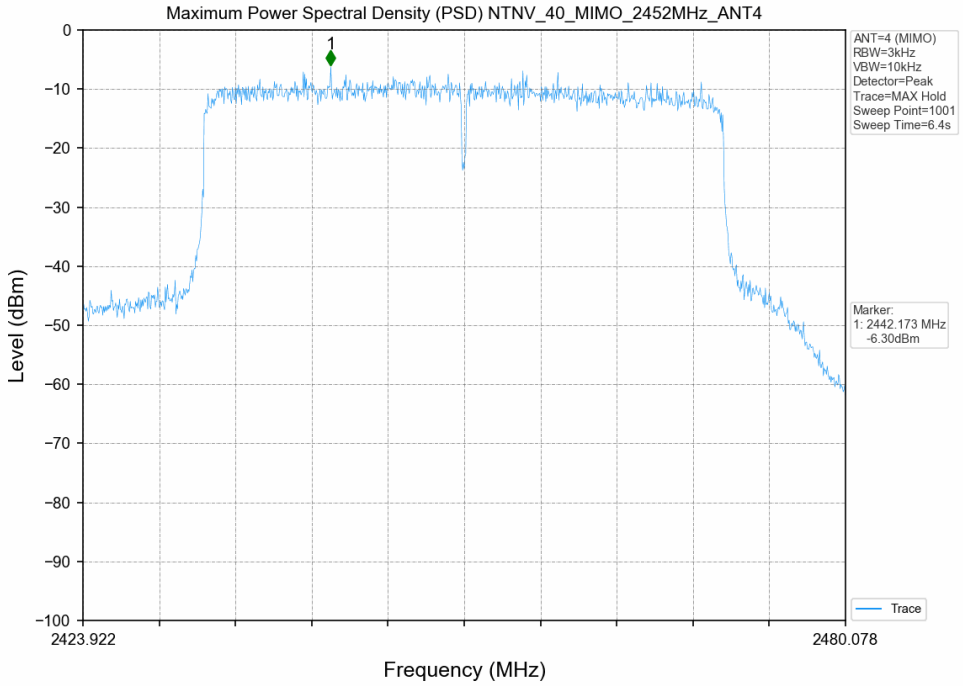

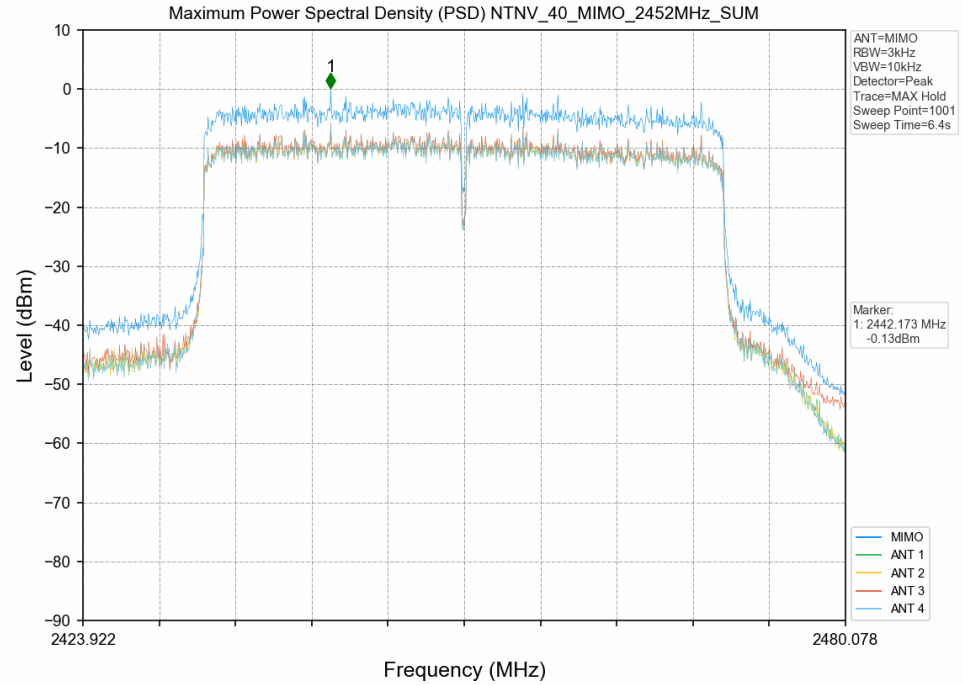

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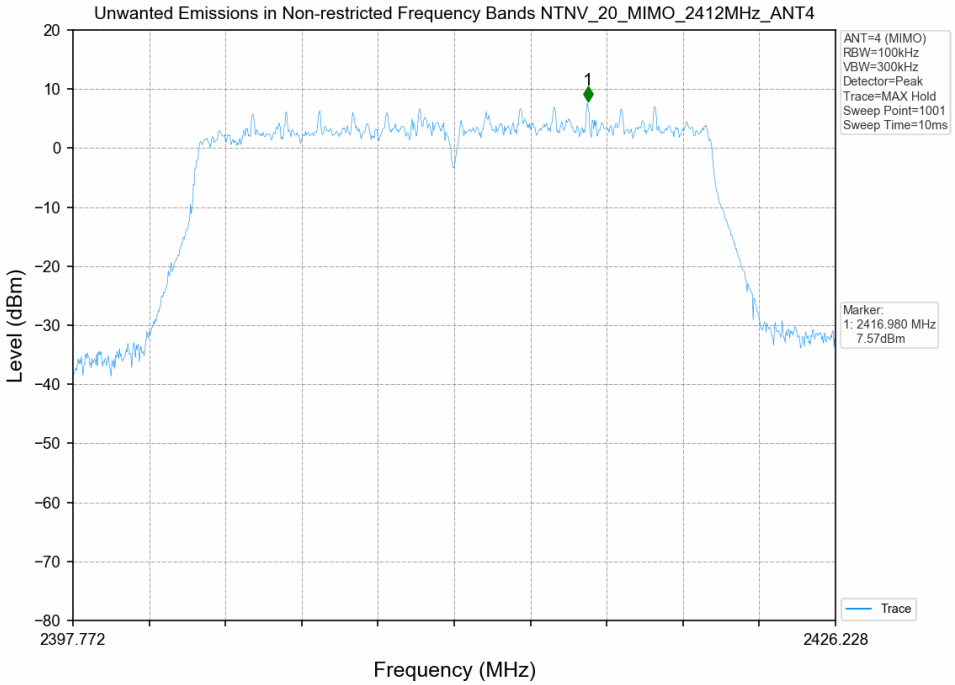
5. Unwanted Emissions in Non-restricted Frequency Bands

5.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
20	2412	MIMO	4 ANTs	Refer to test graph	-22.43	PASS
	2437	MIMO	4 ANTs	Refer to test graph	-22.43	PASS
	2462	MIMO	4 ANTs	Refer to test graph	-22.43	PASS
40	2422	MIMO	4 ANTs	Refer to test graph	-26.65	PASS
	2437	MIMO	4 ANTs	Refer to test graph	-26.65	PASS
	2452	MIMO	4 ANTs	Refer to test graph	-26.65	PASS

5.2 Test Graph



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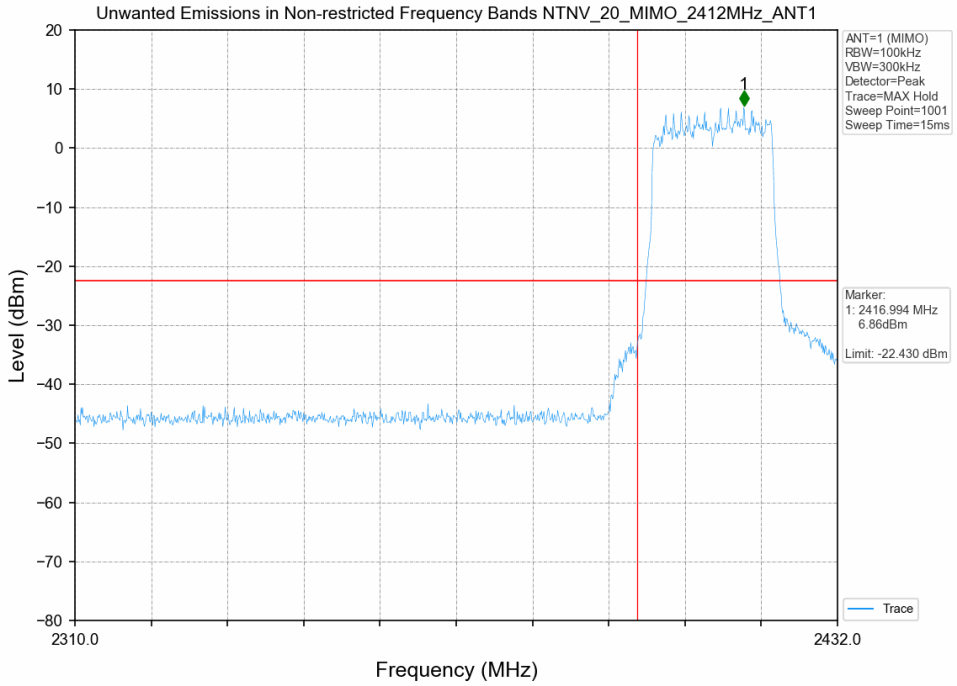

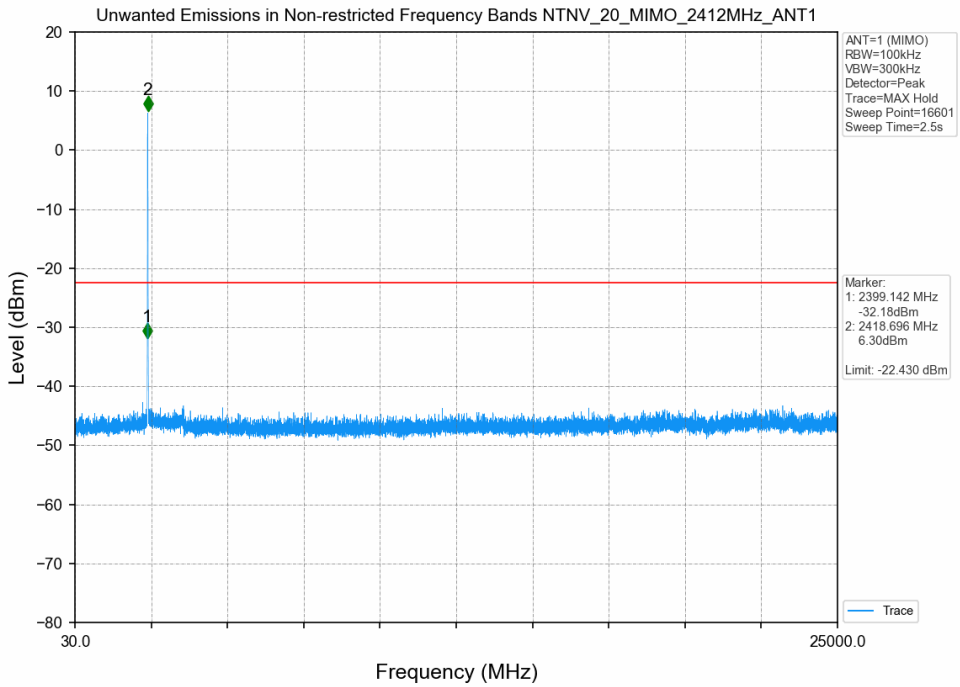

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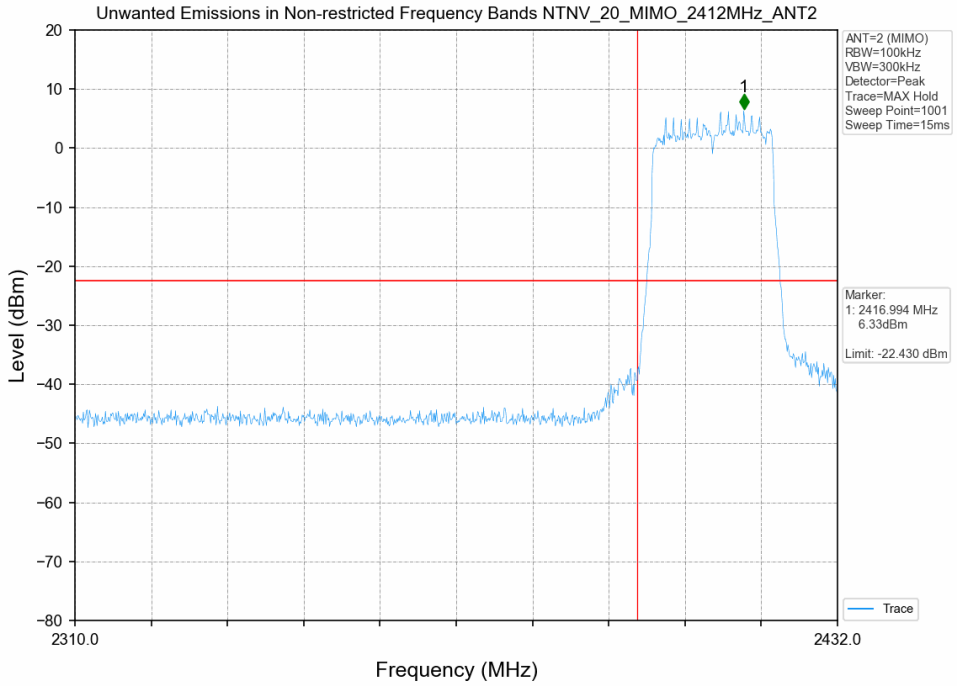

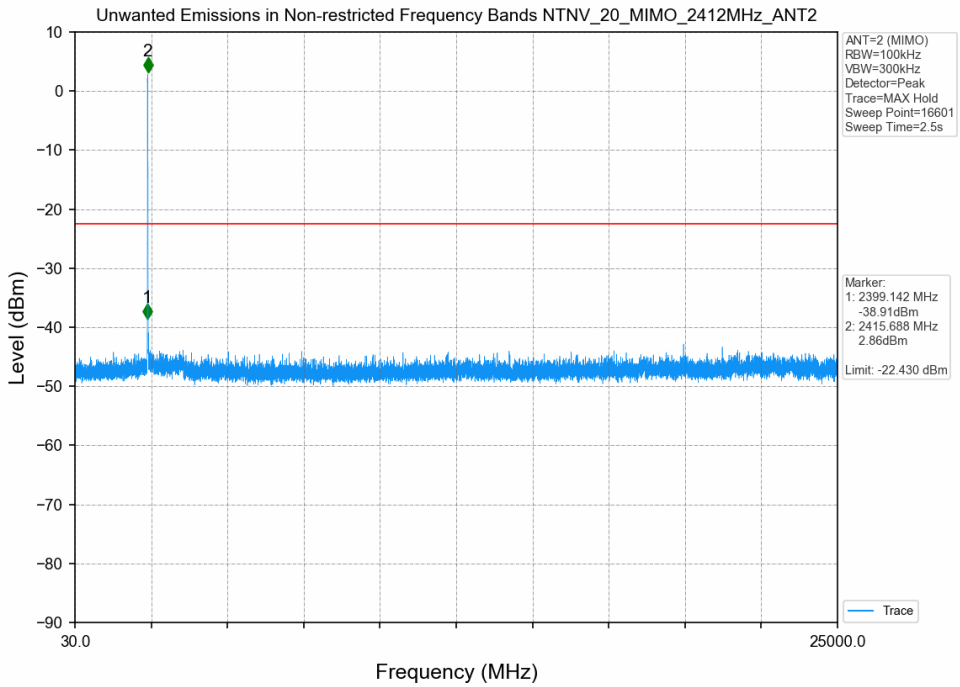

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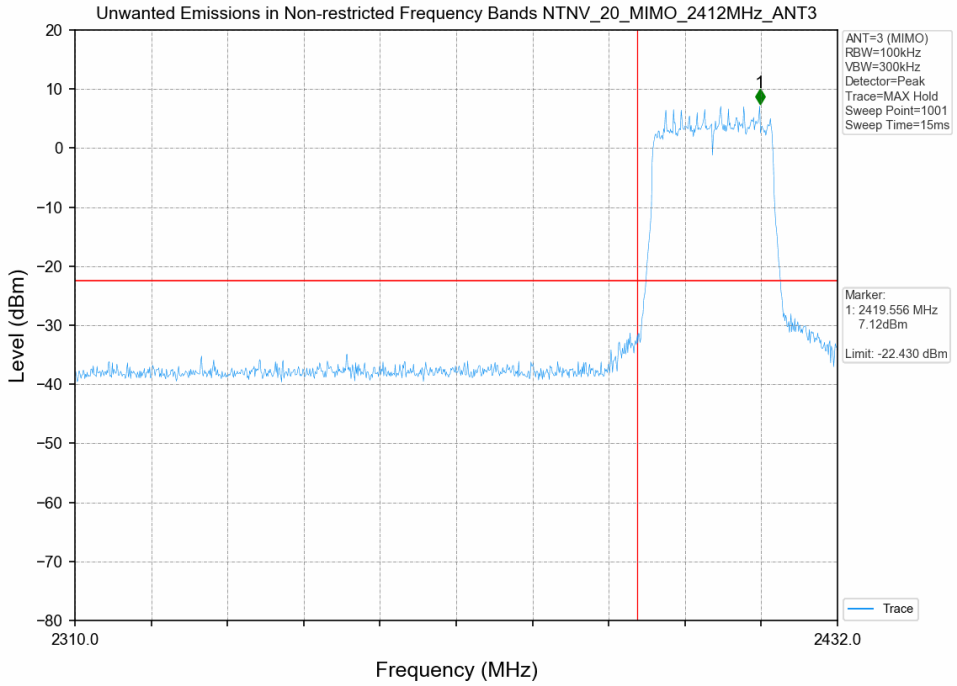

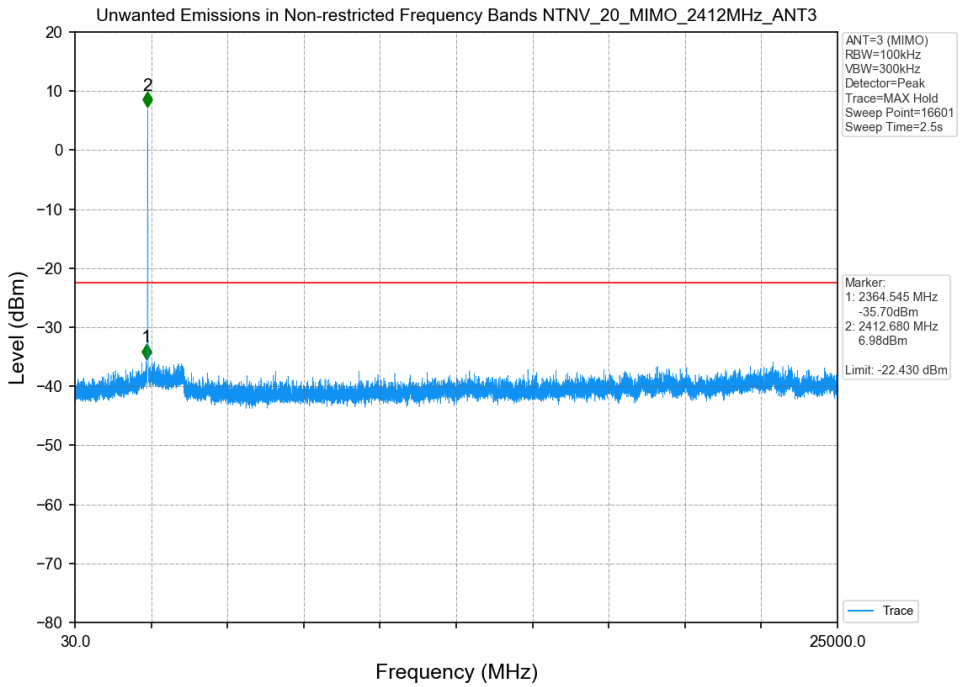

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