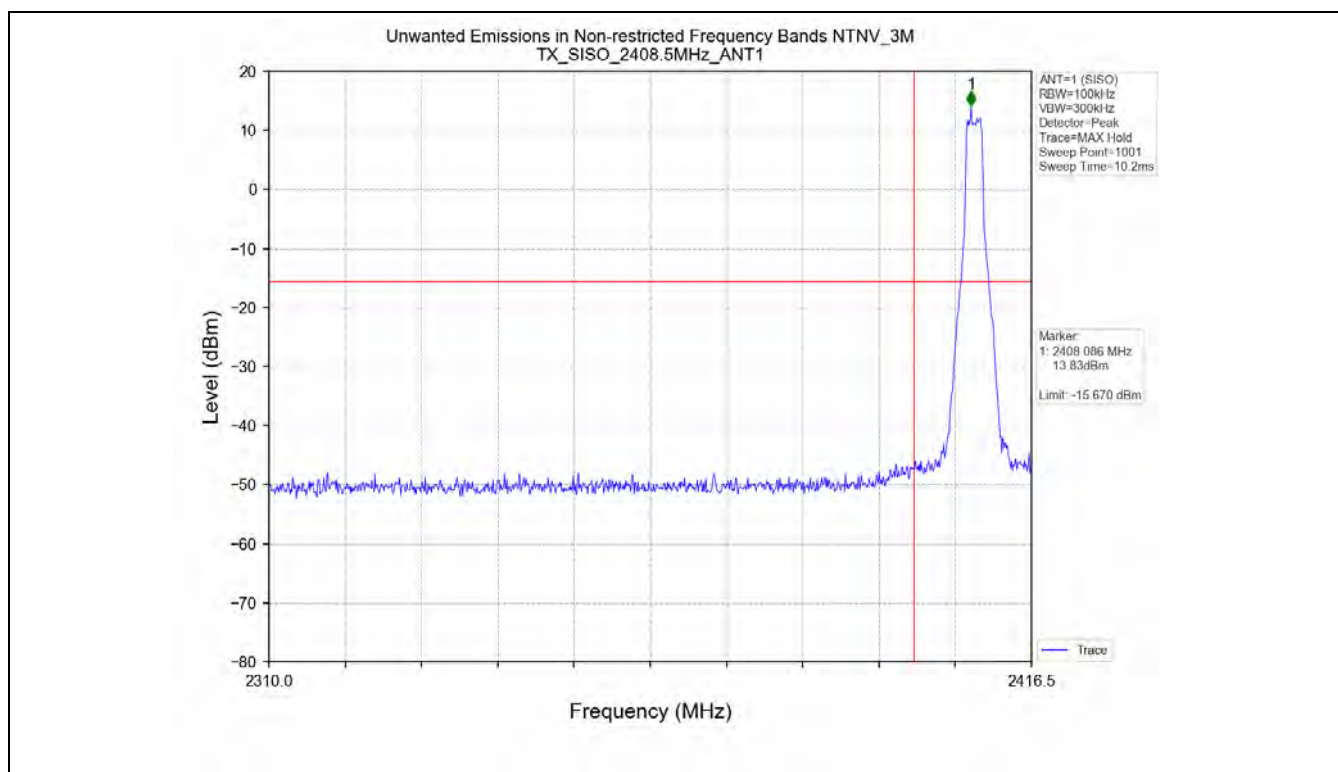
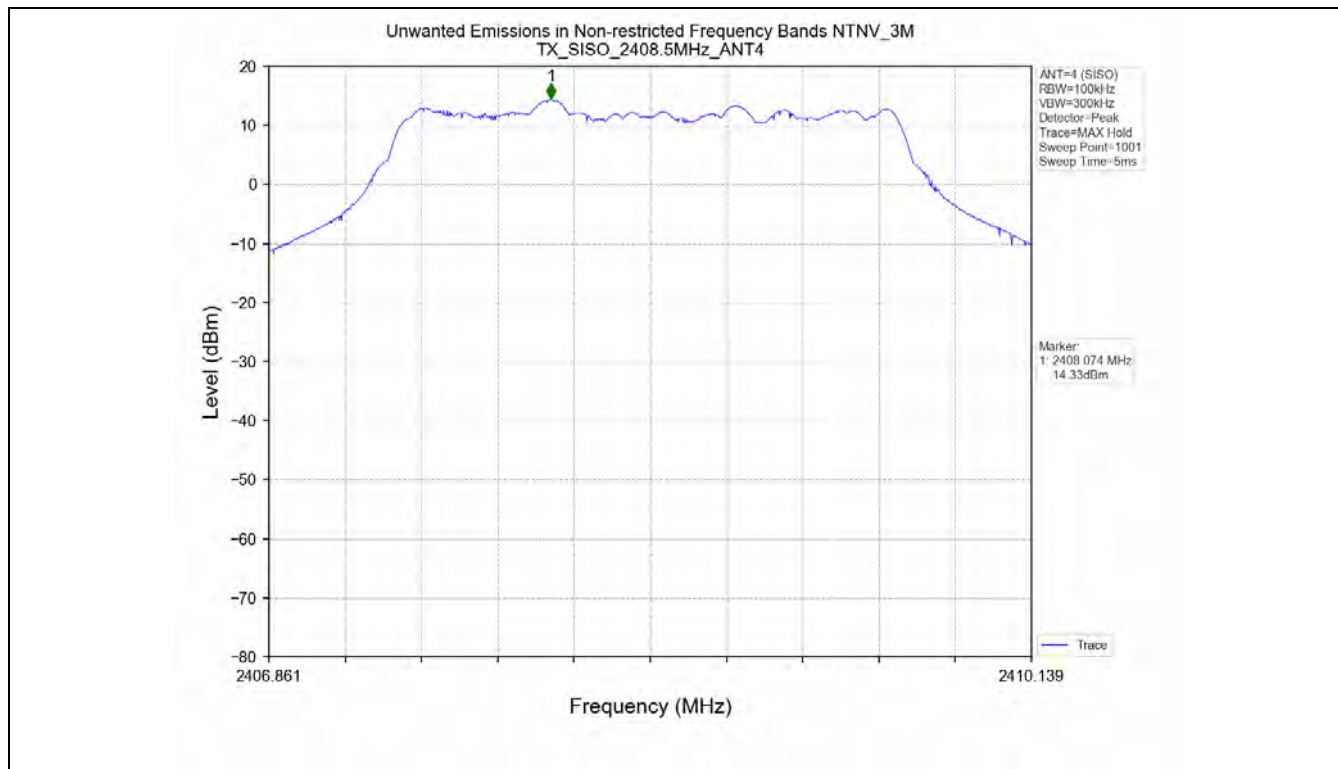
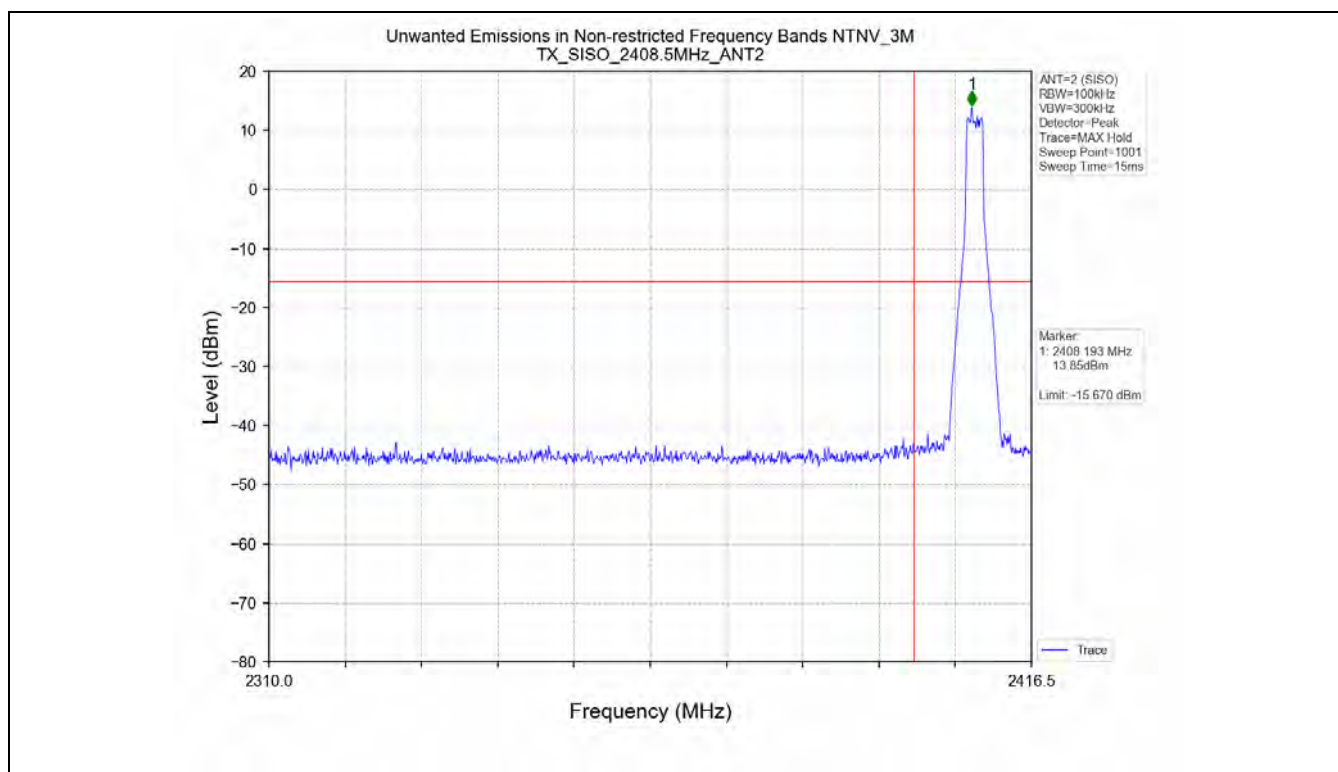
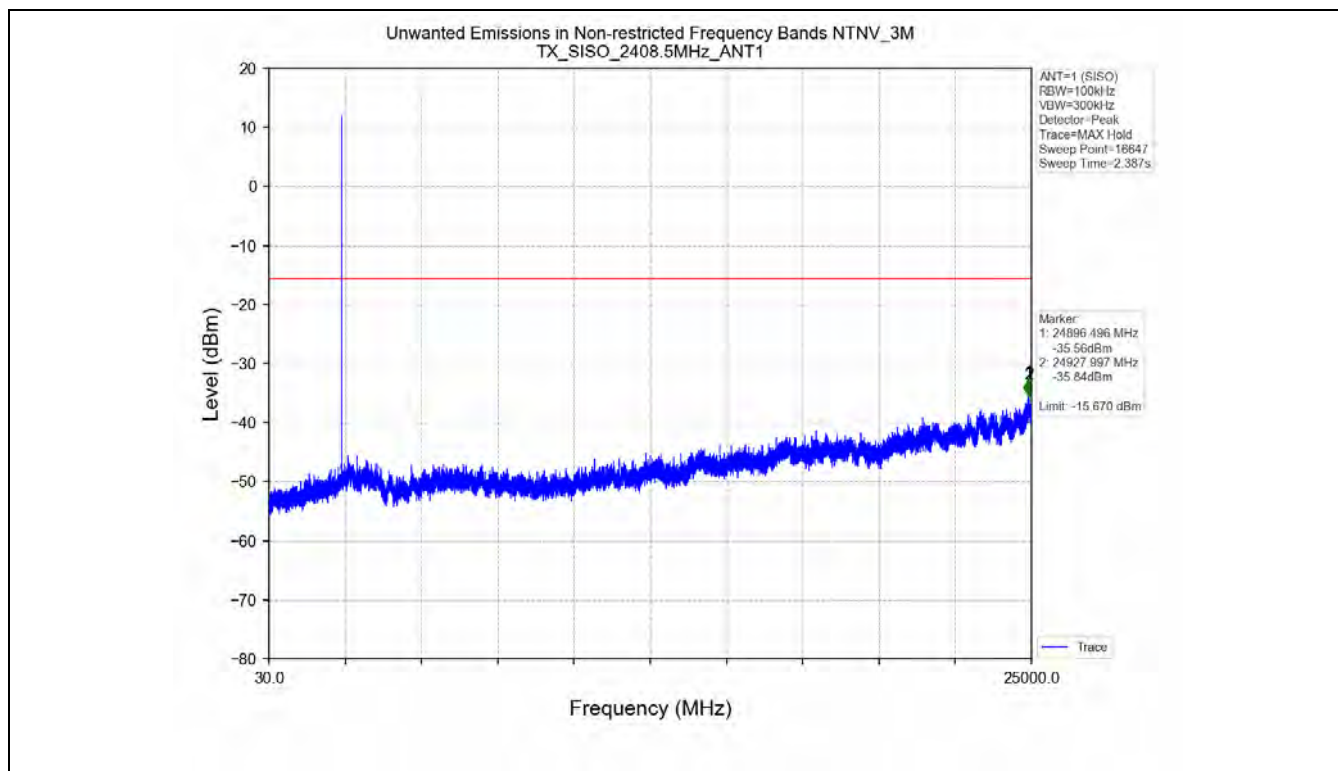
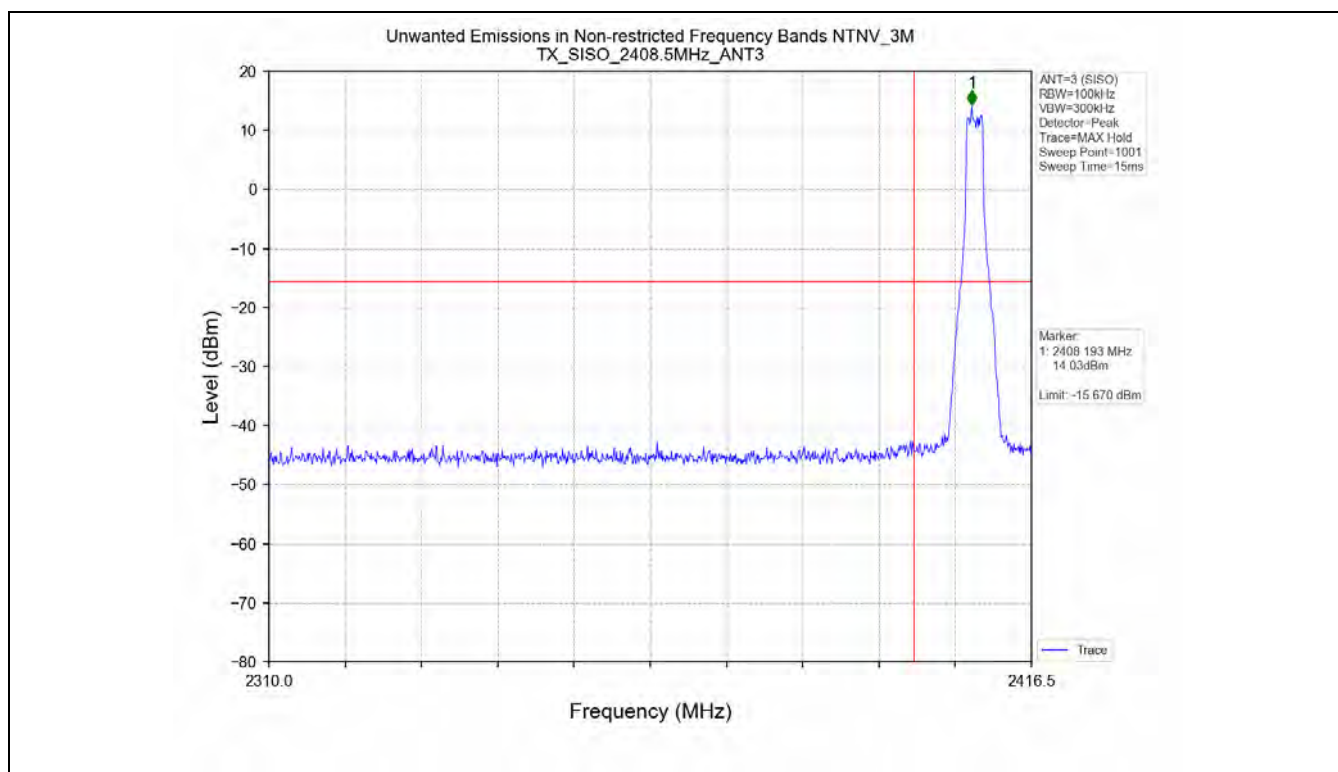
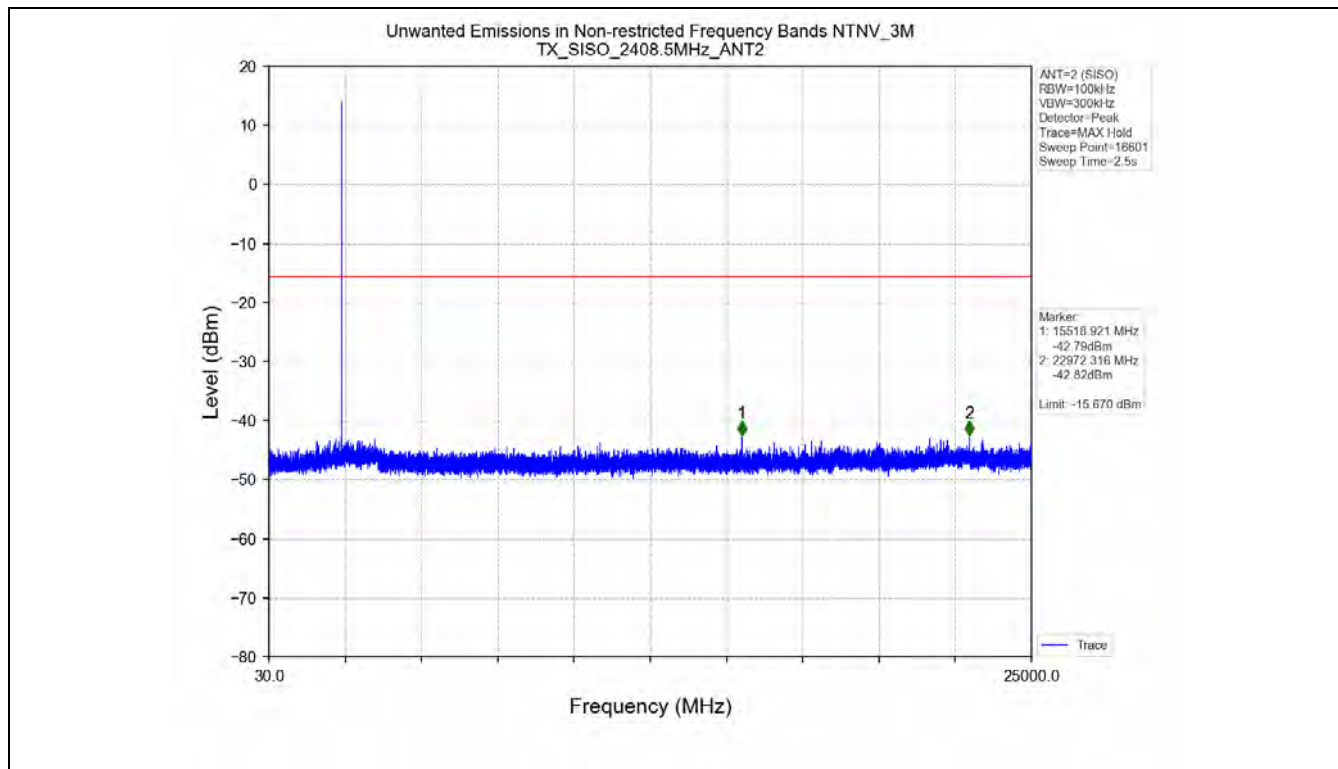
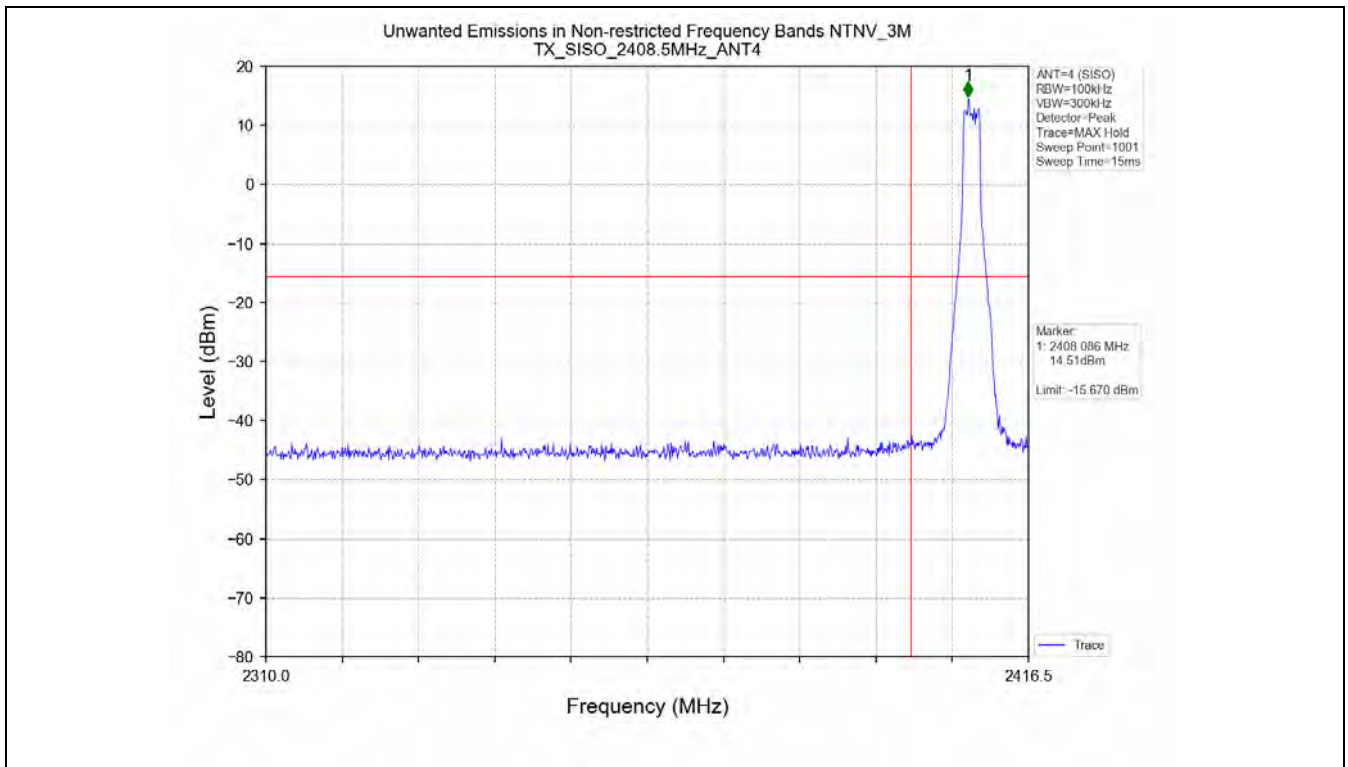
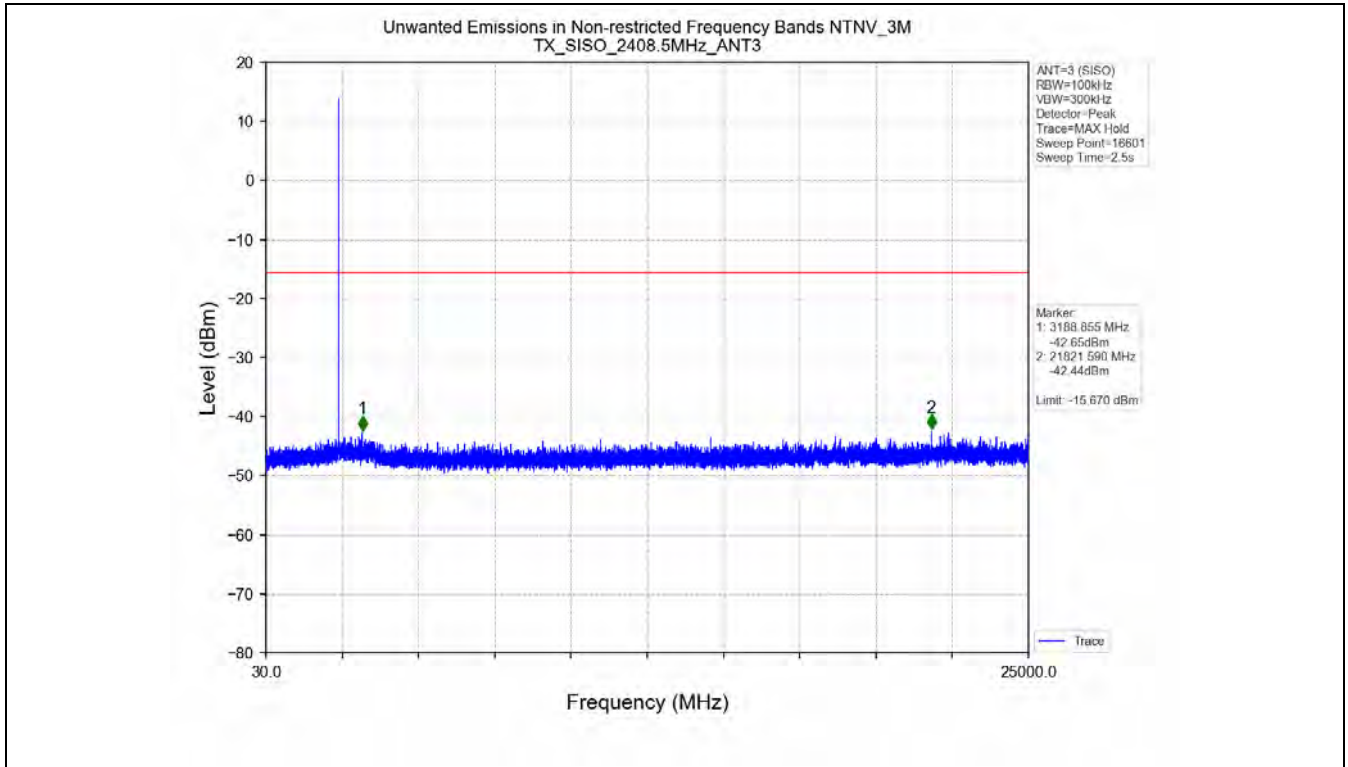
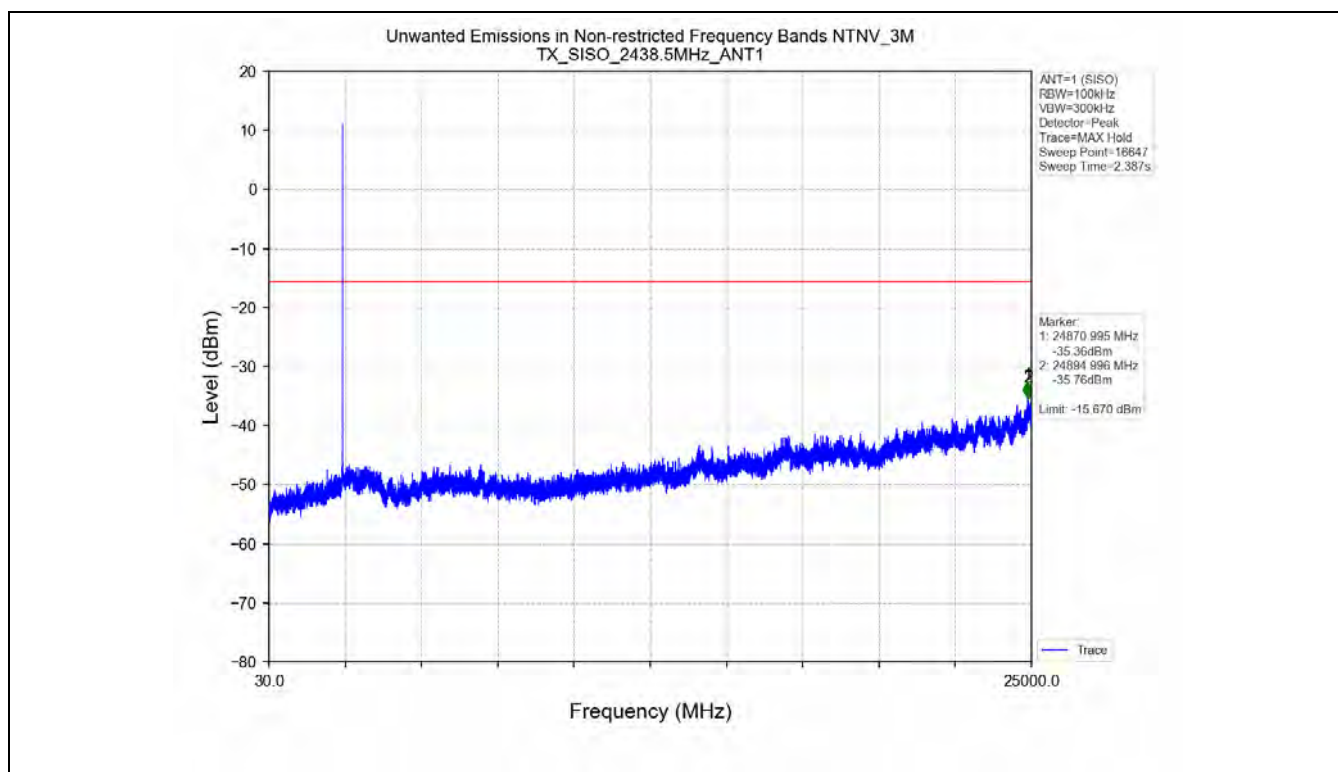
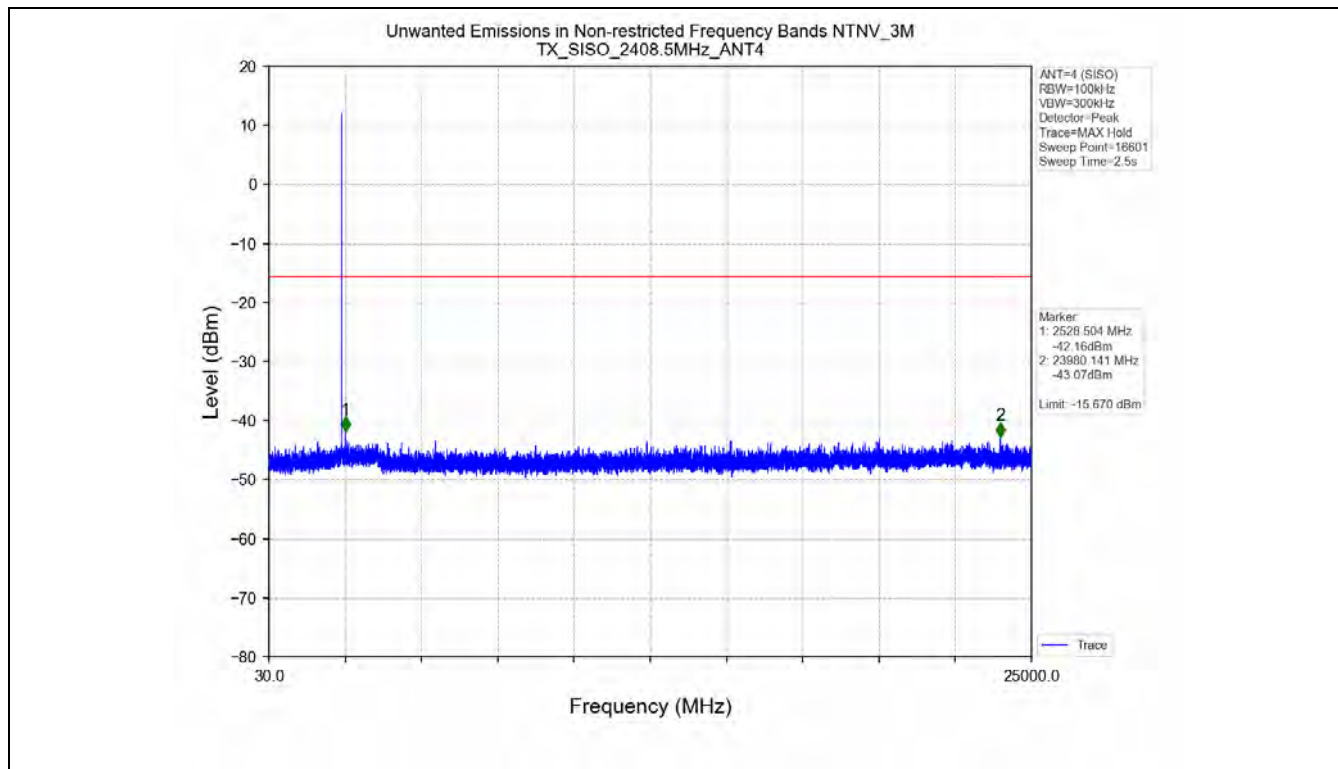


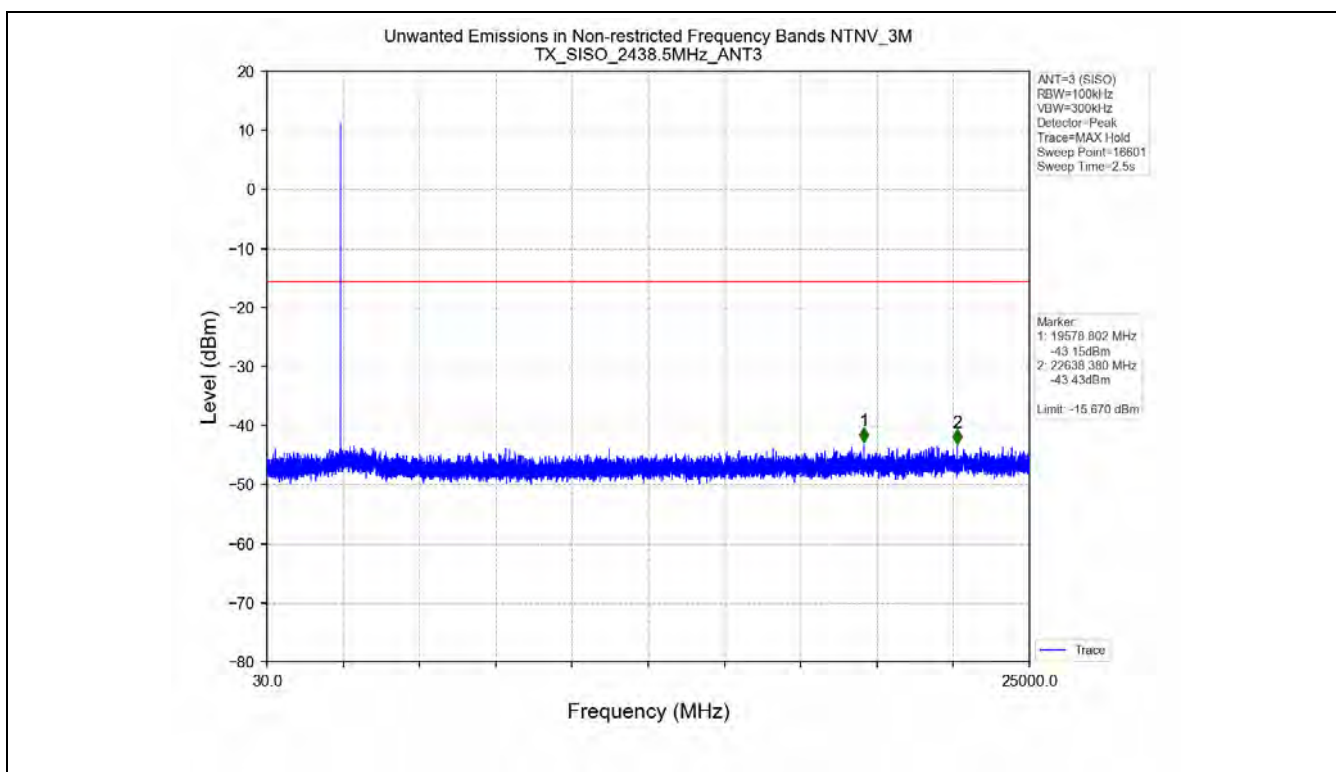
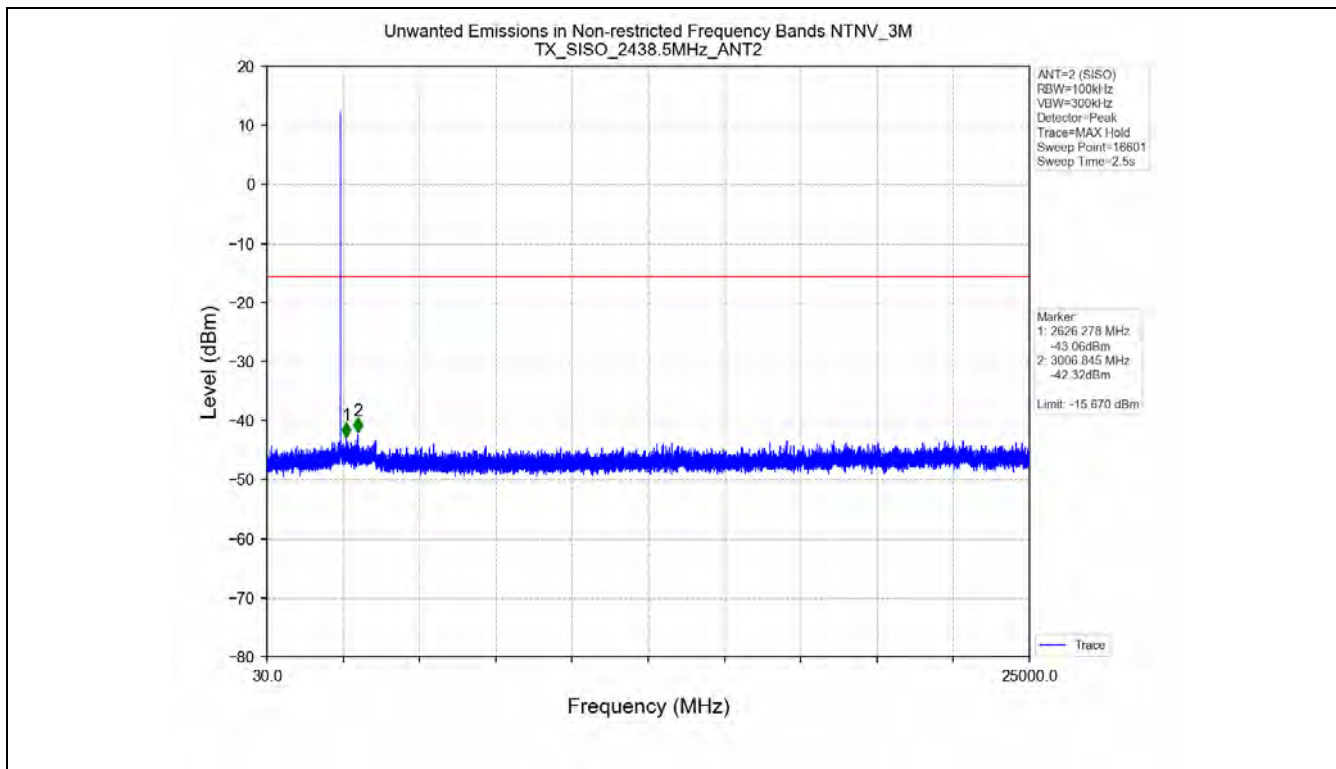


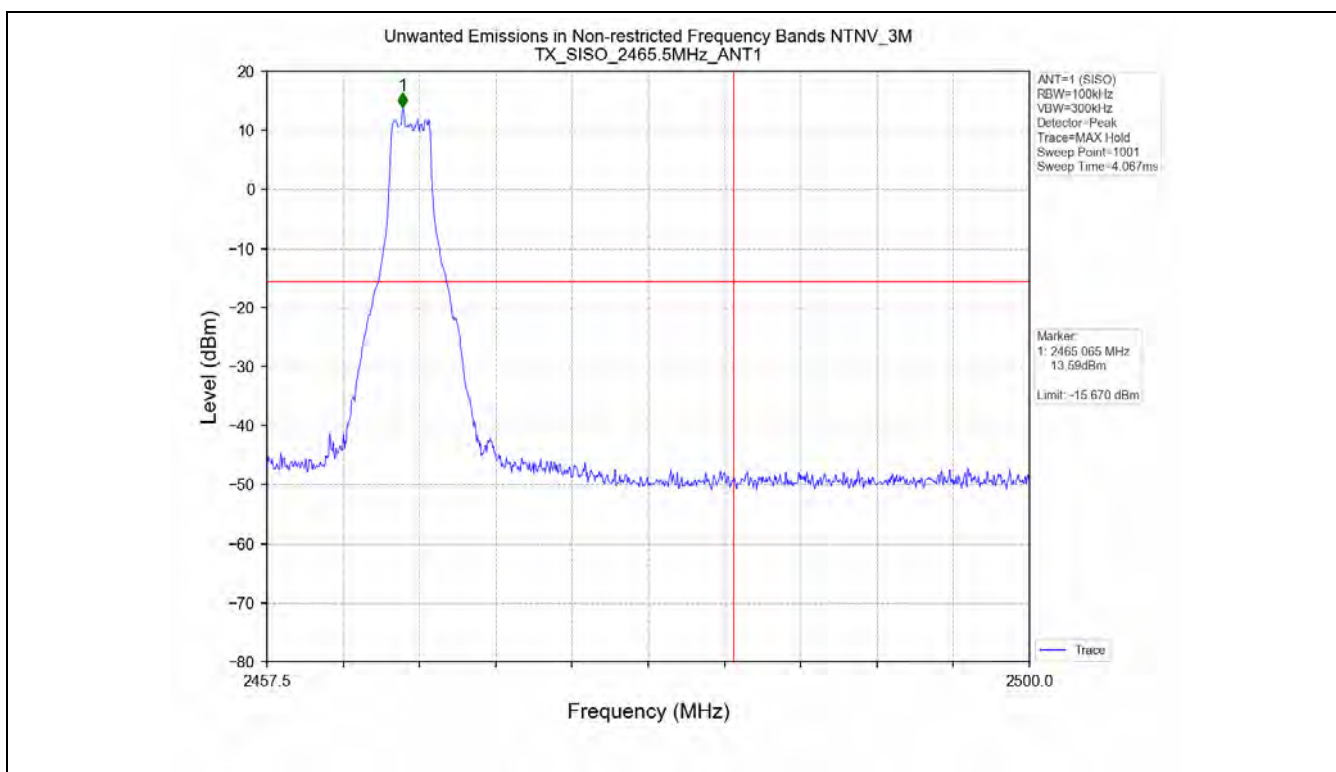
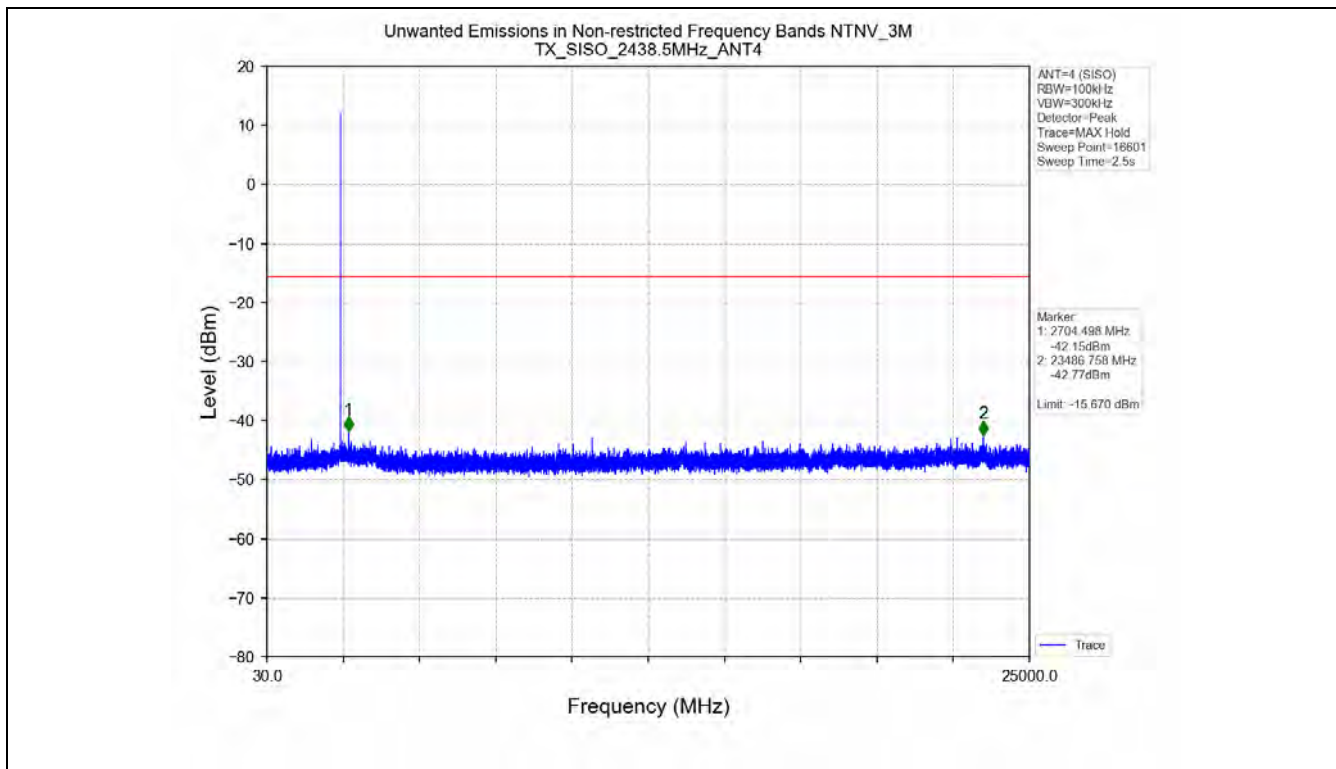


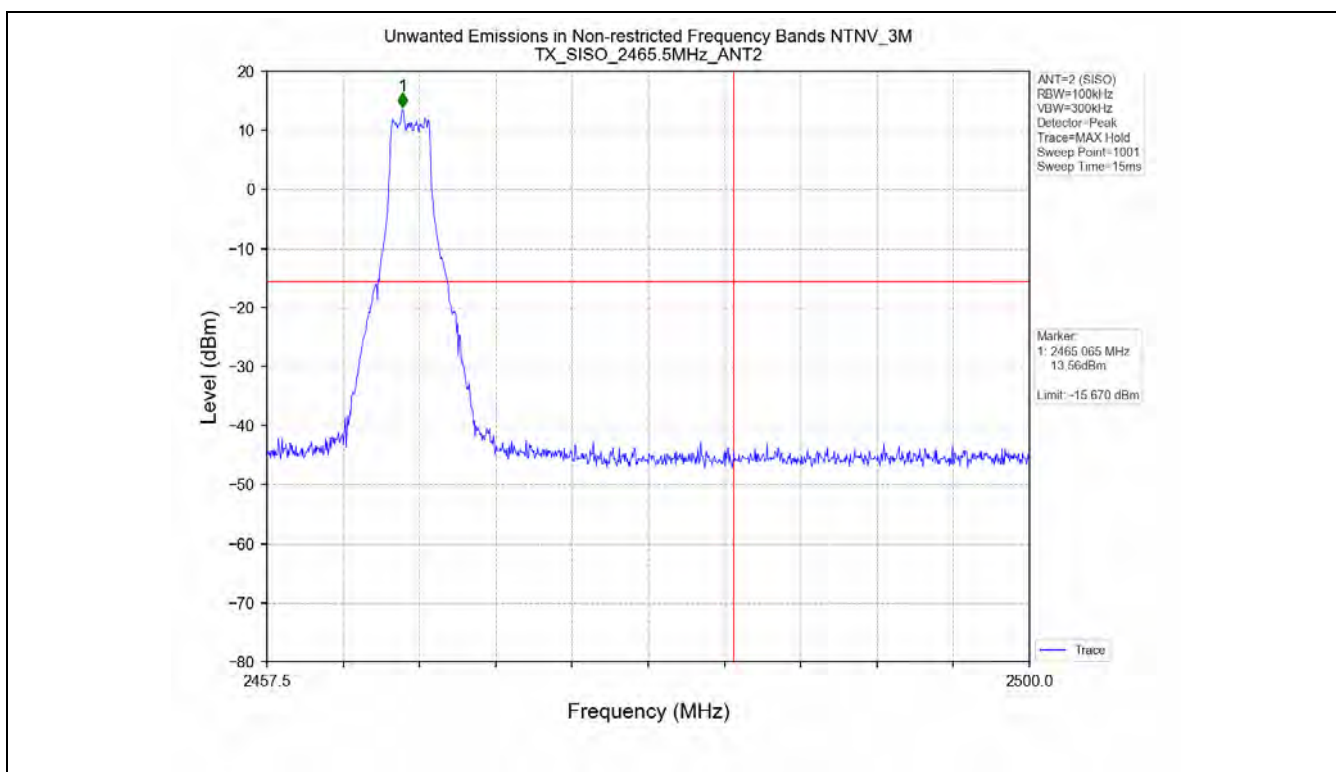
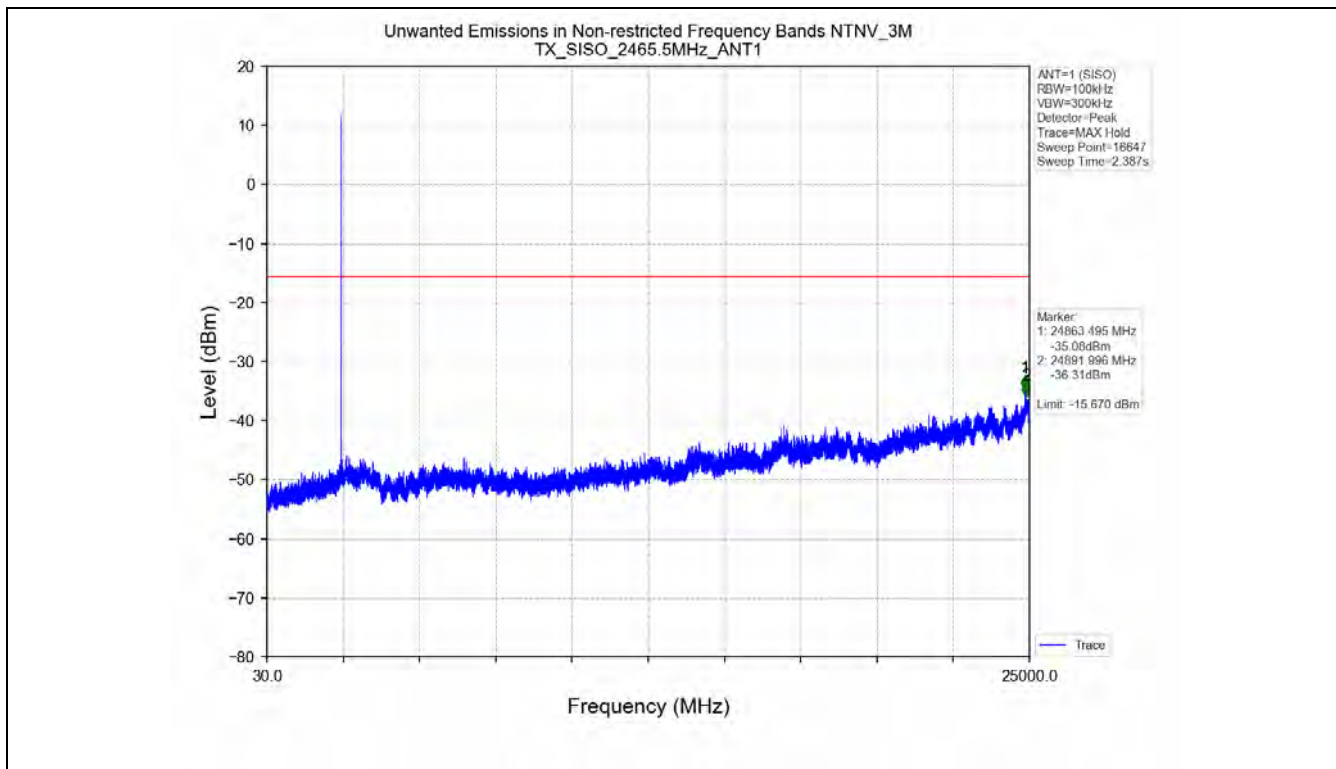


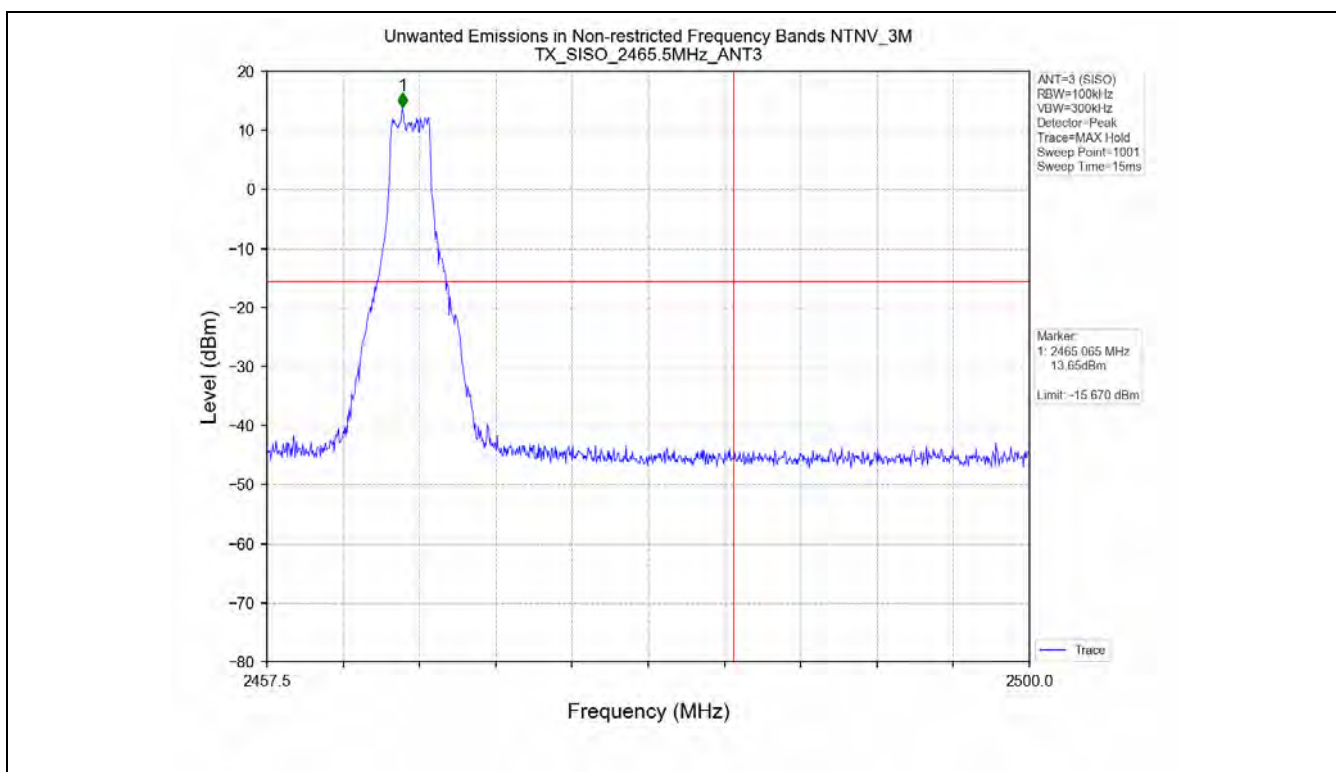
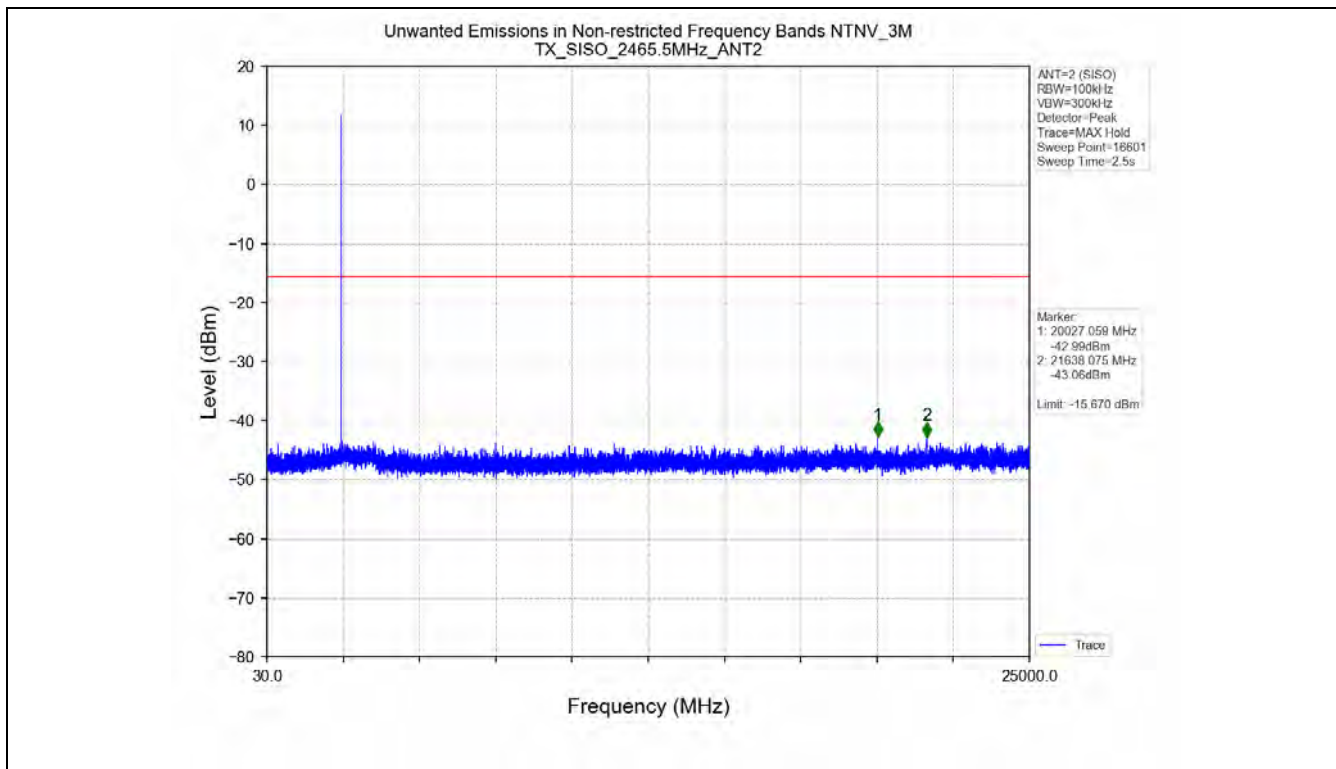


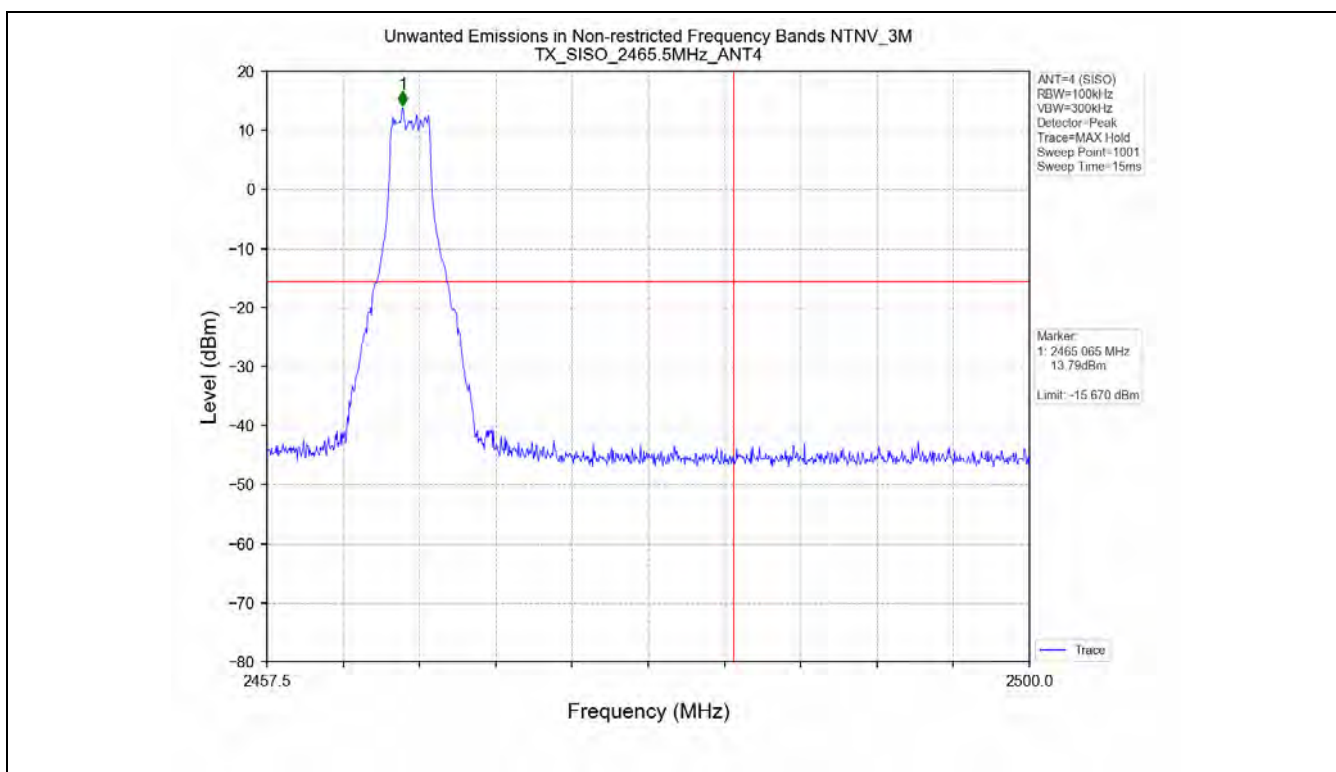
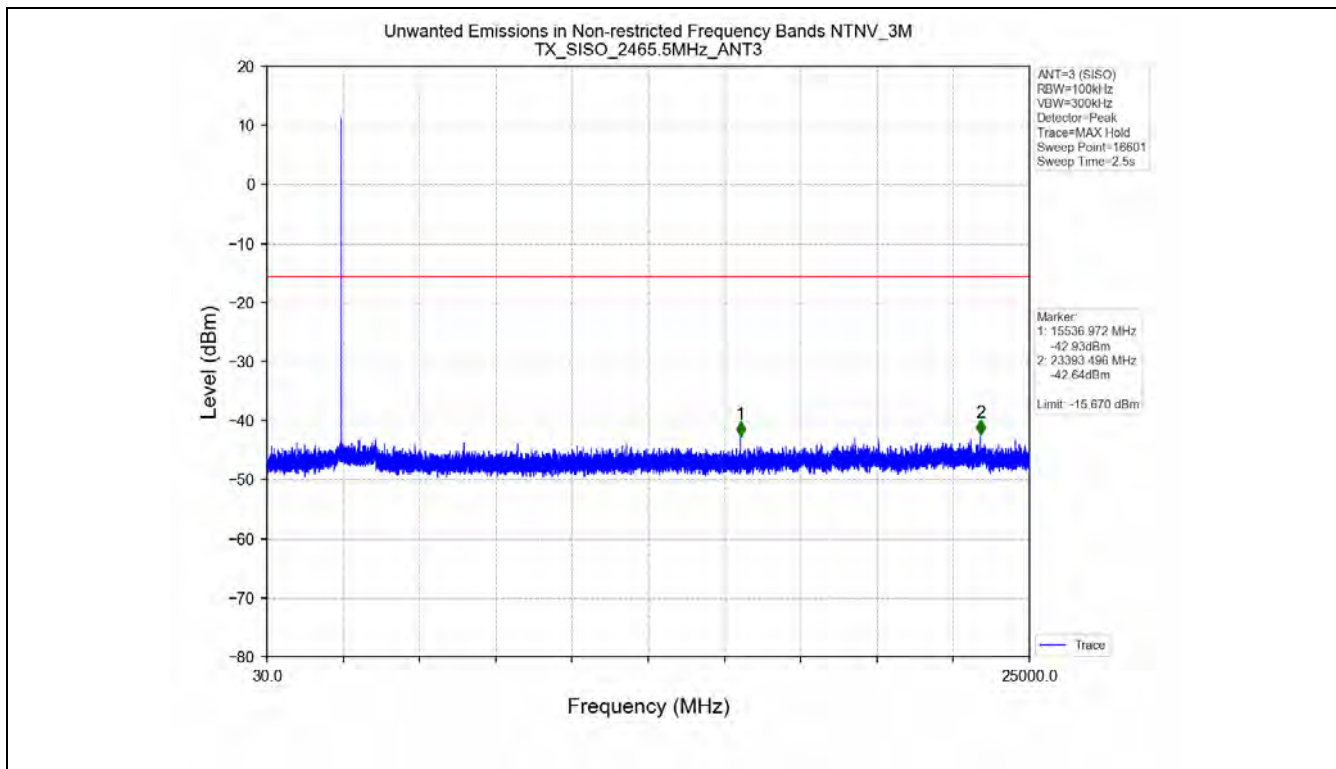


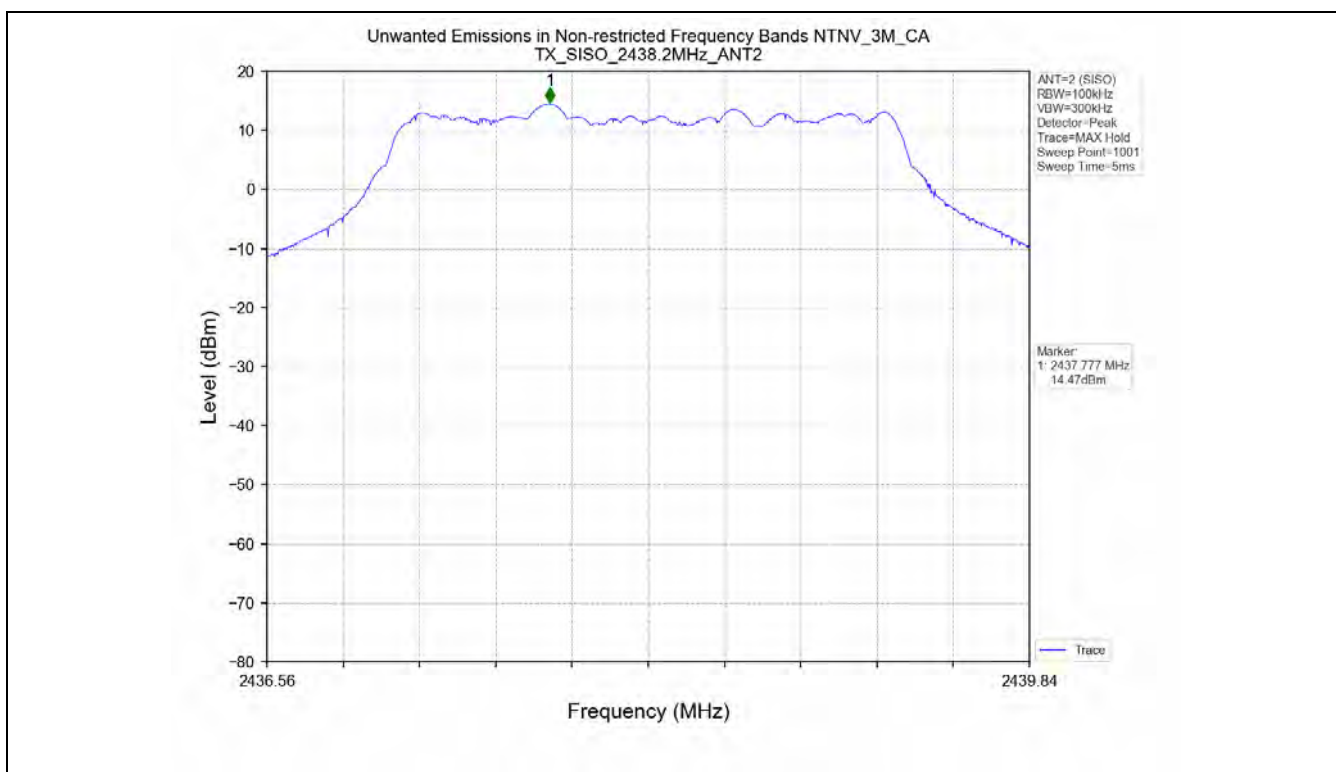
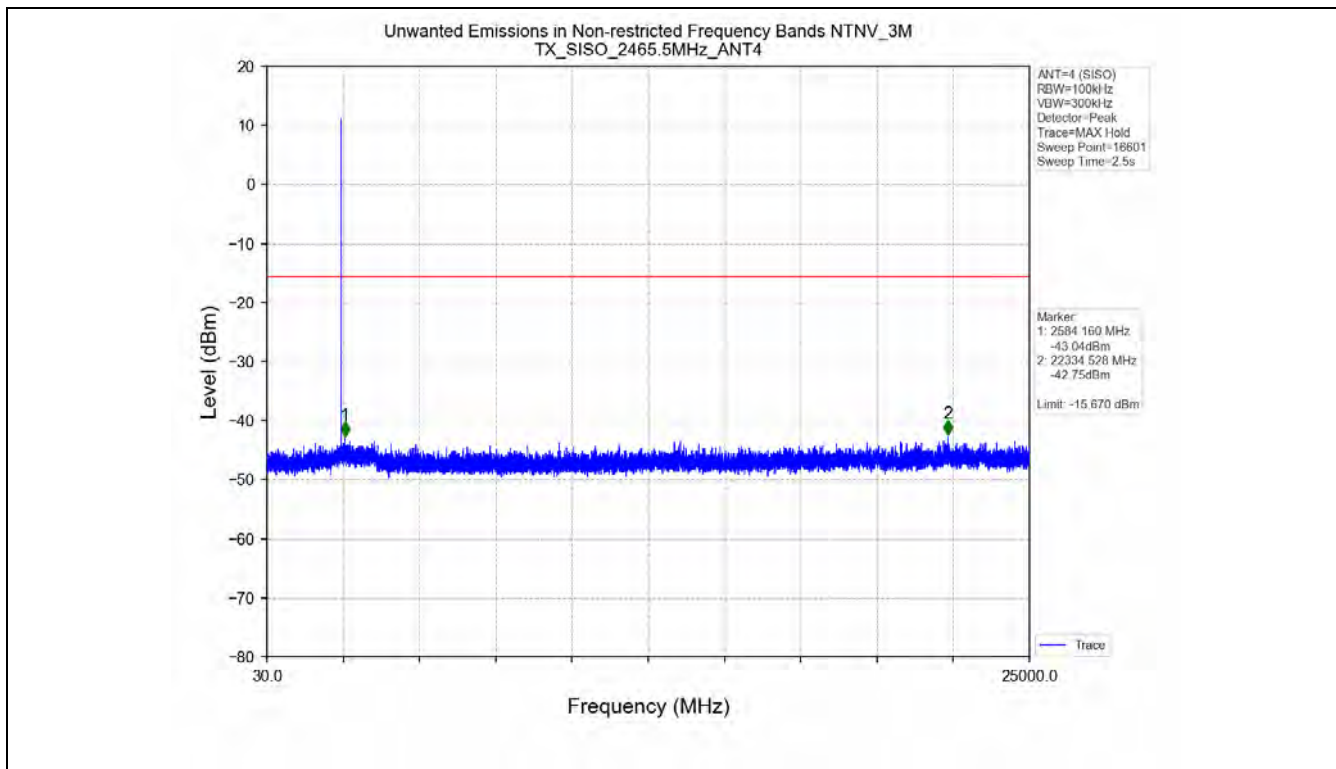


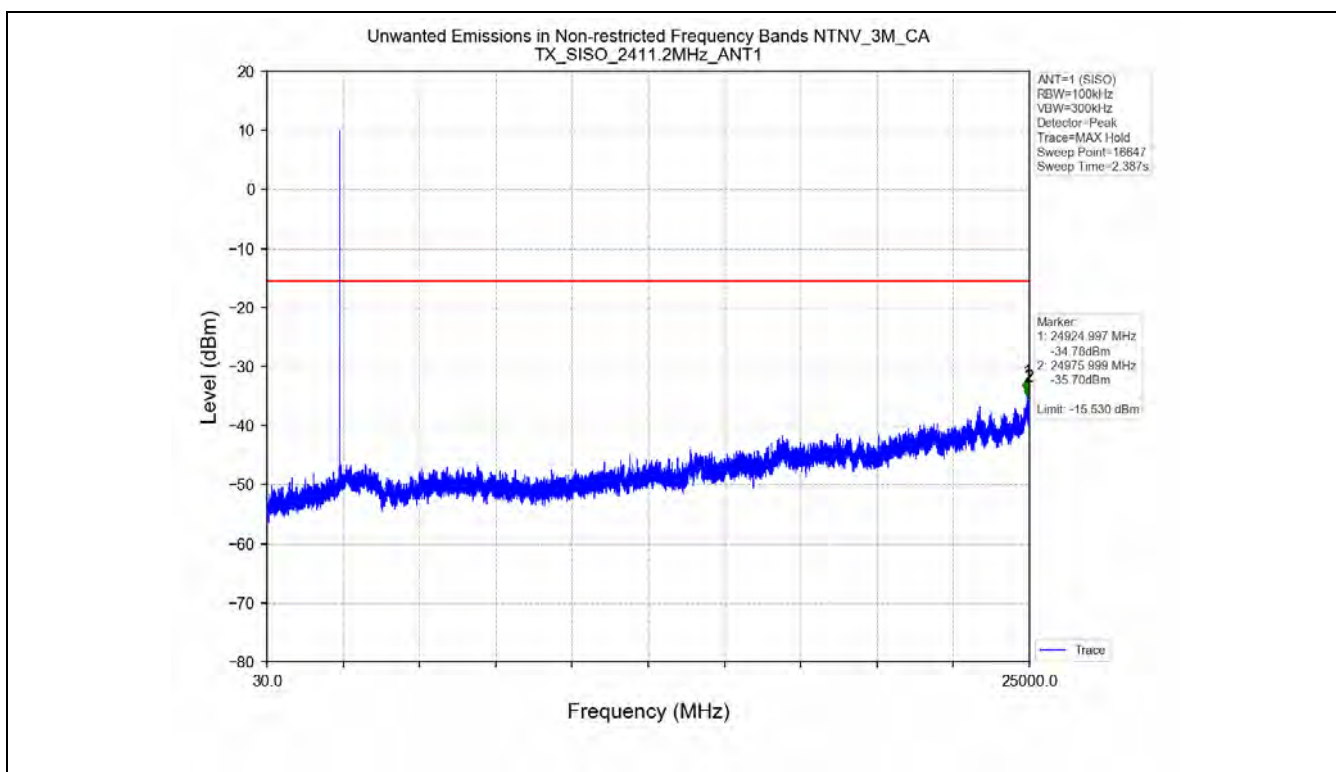
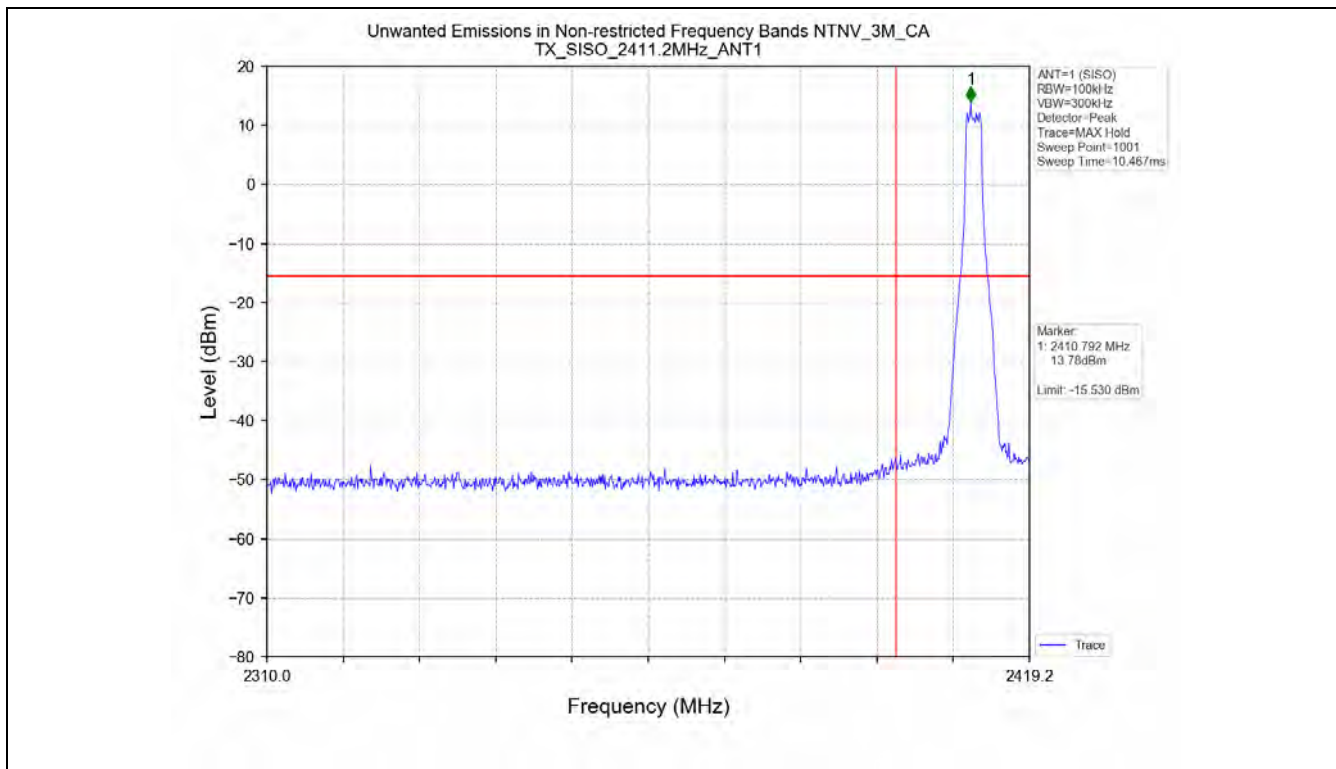


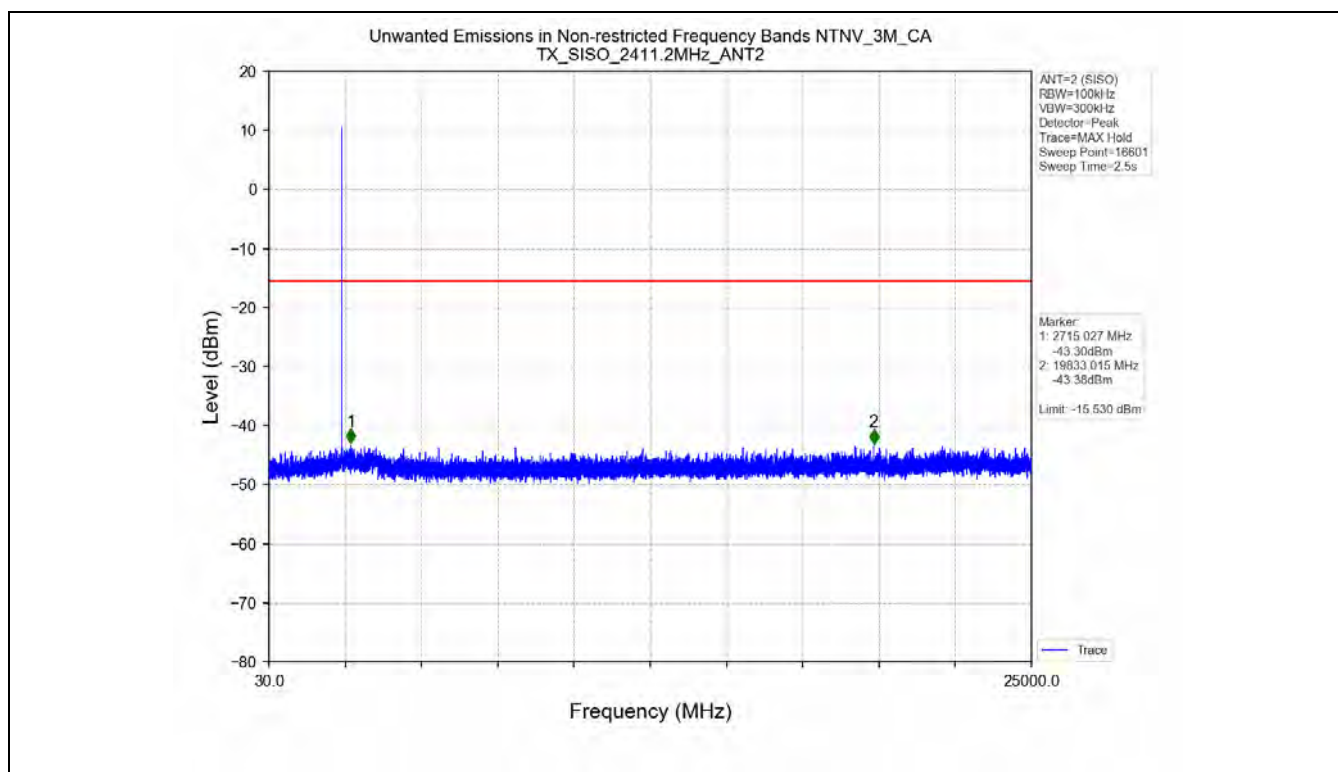
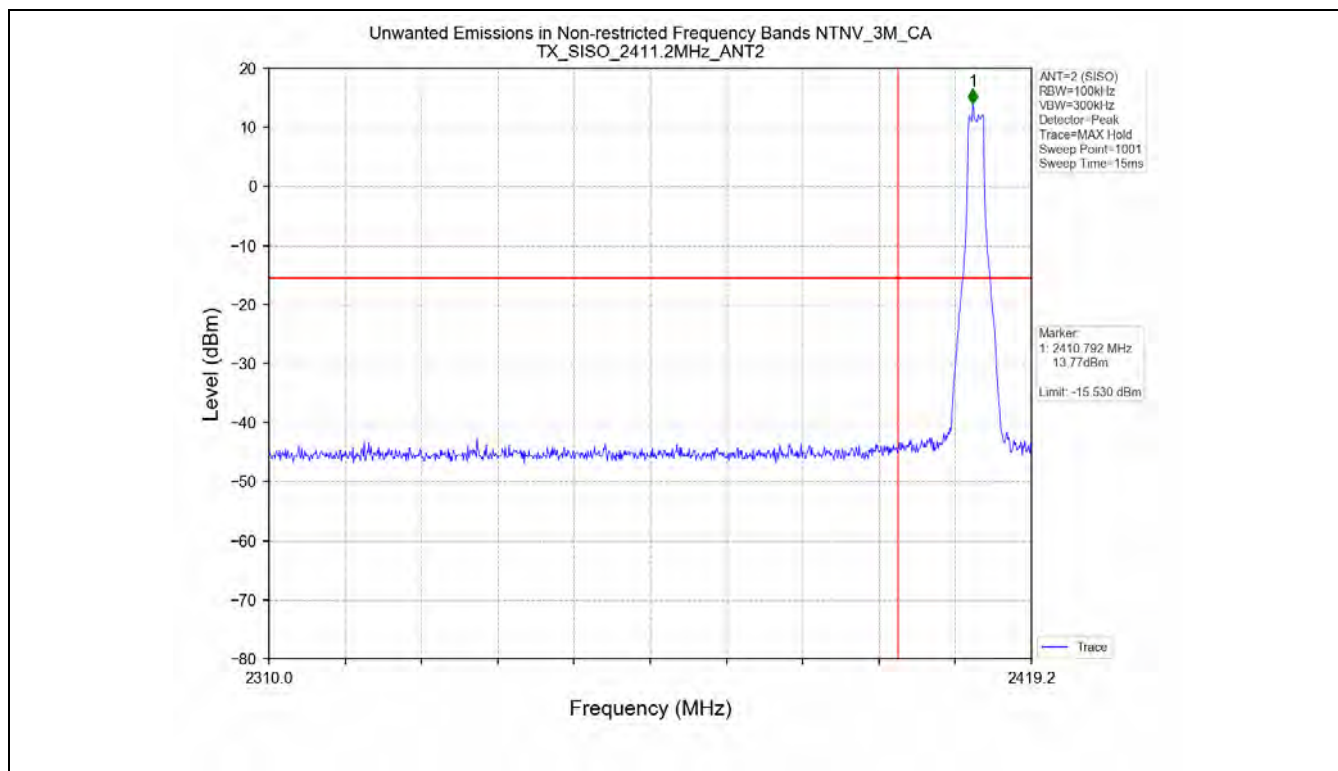


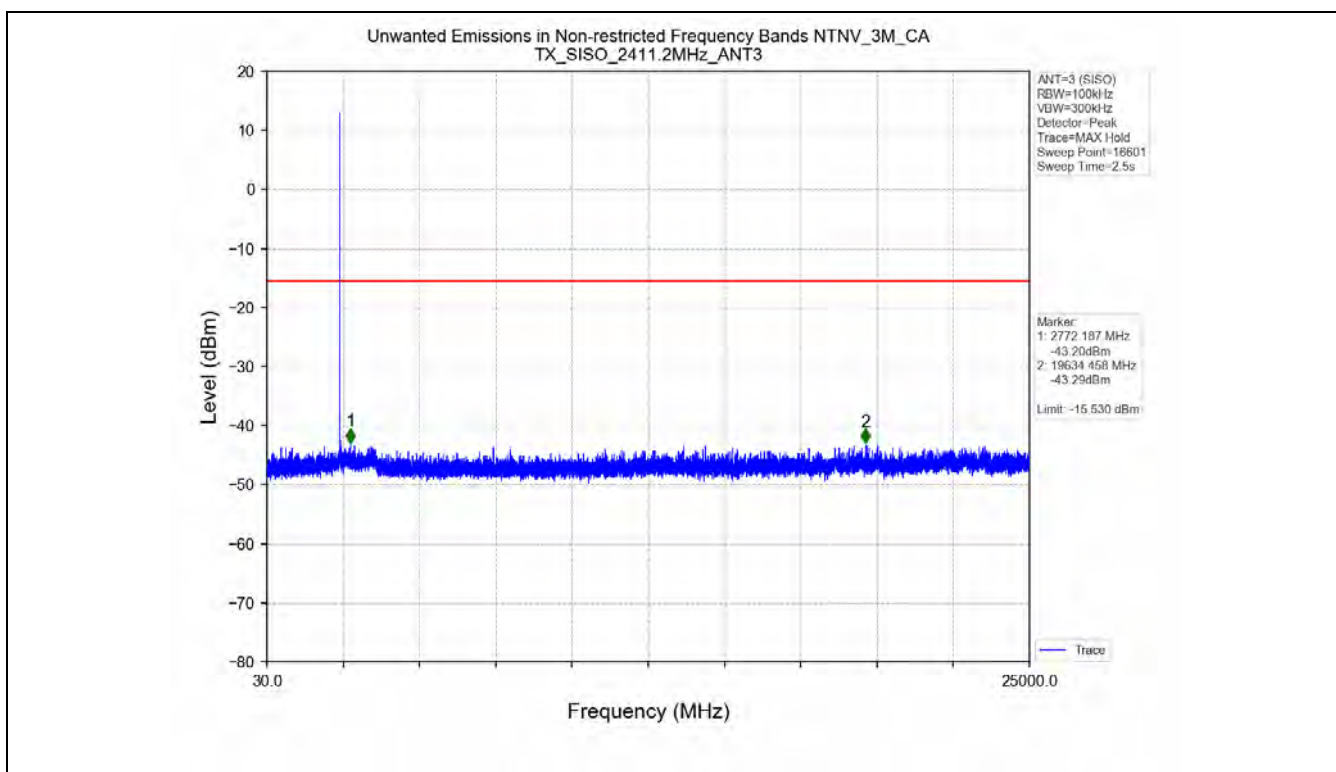
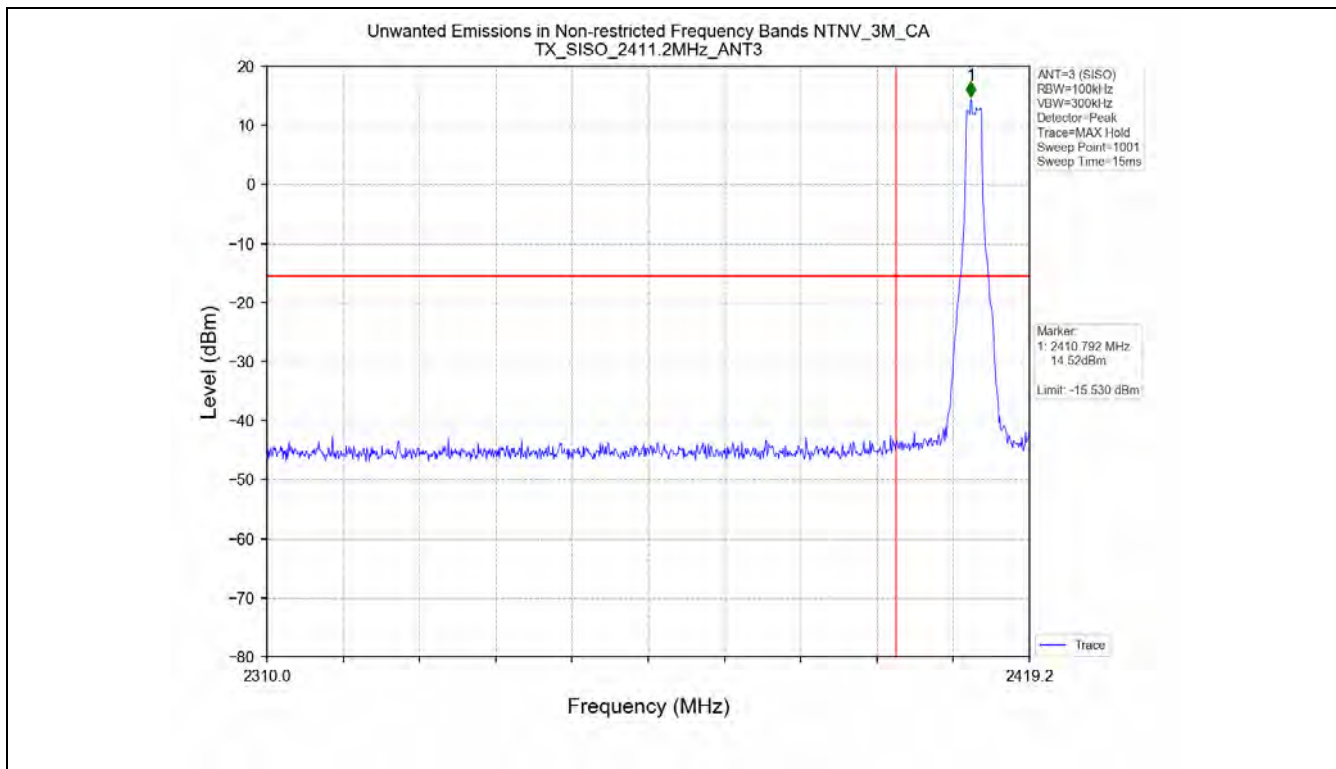


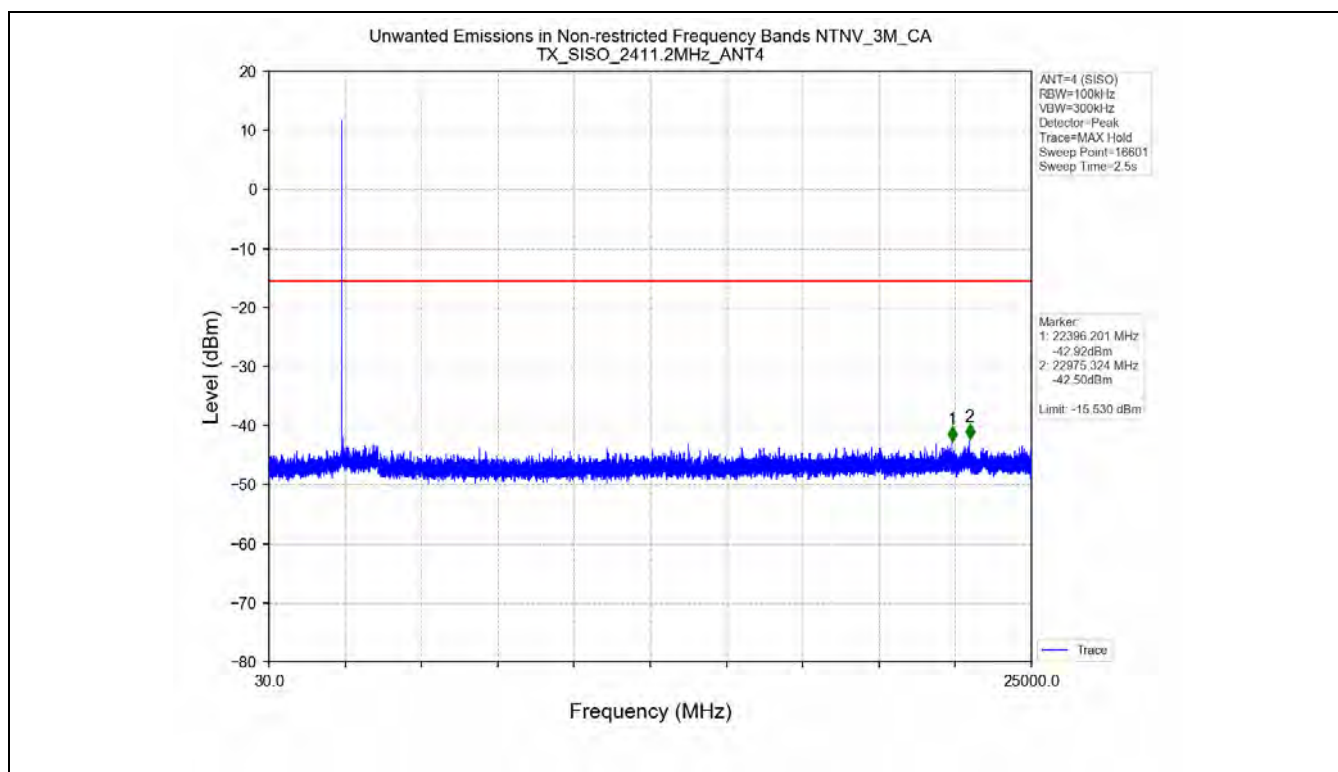
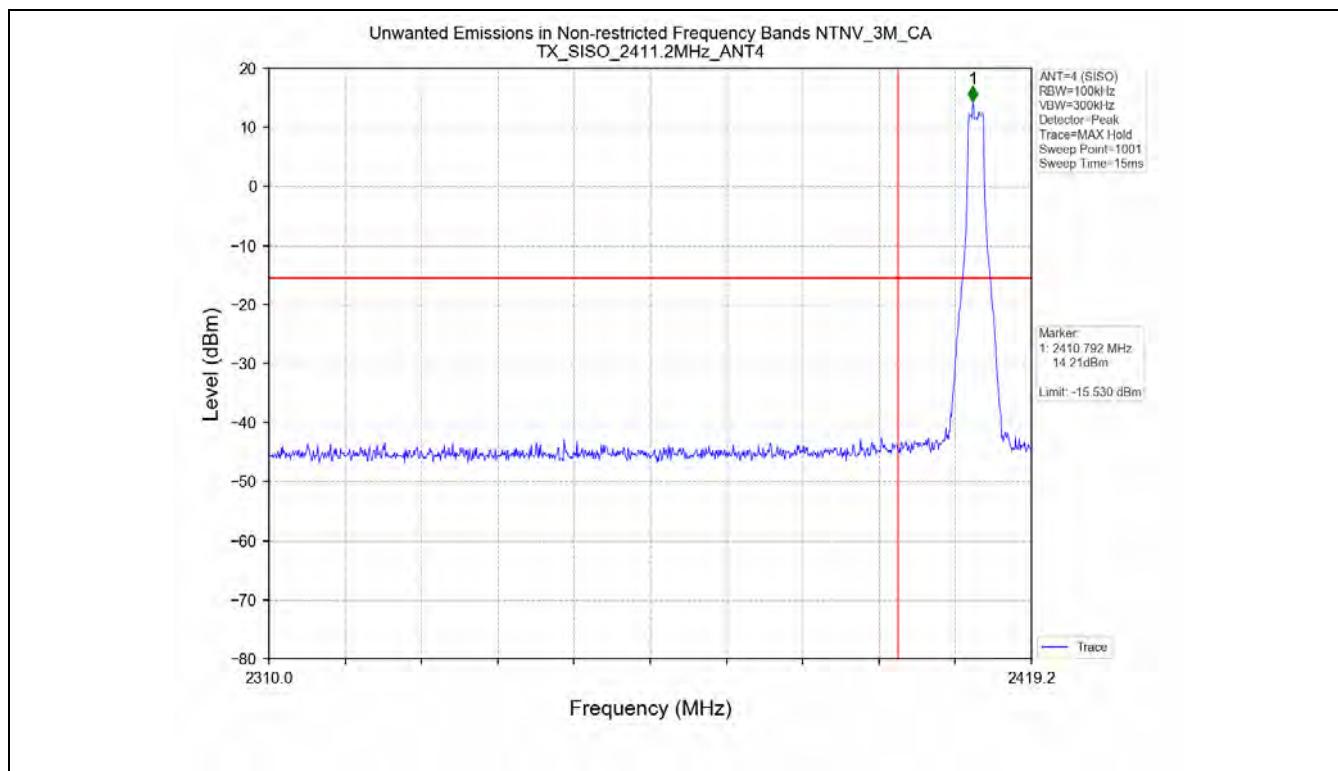


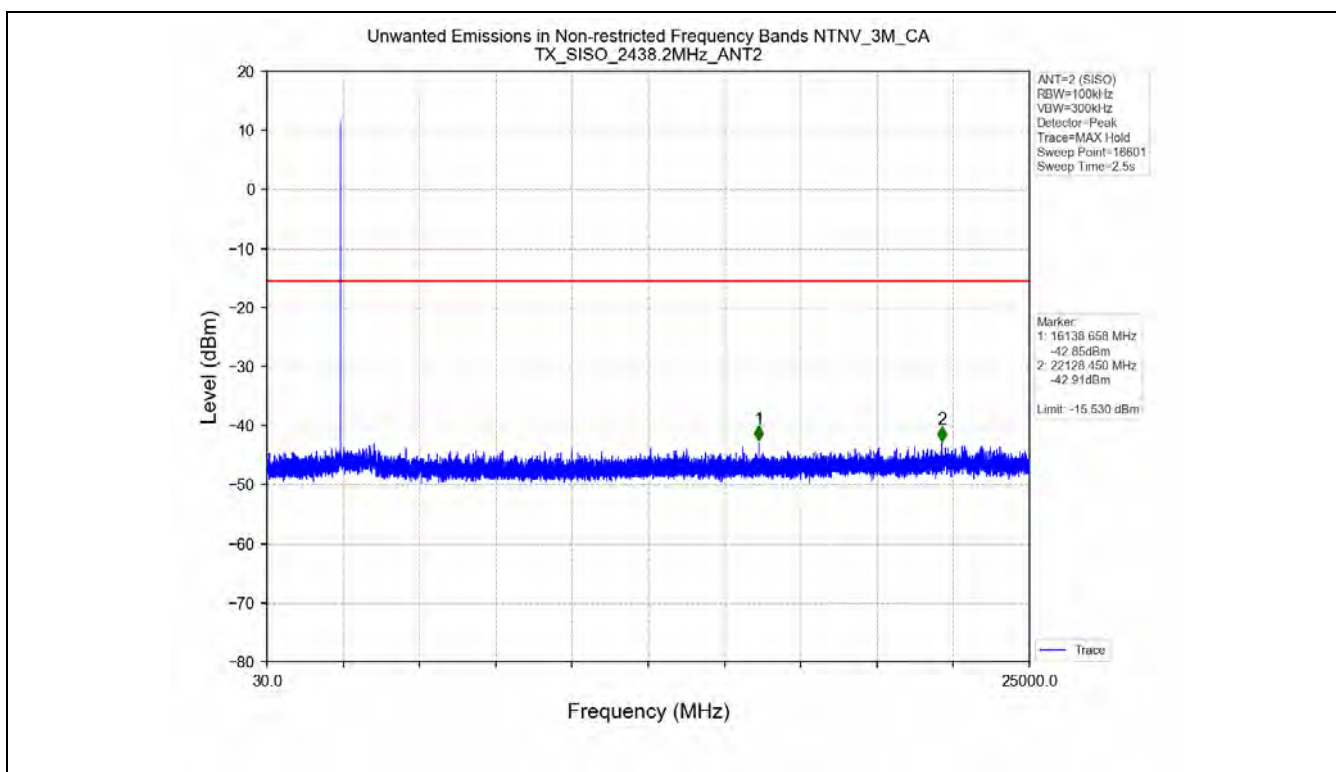
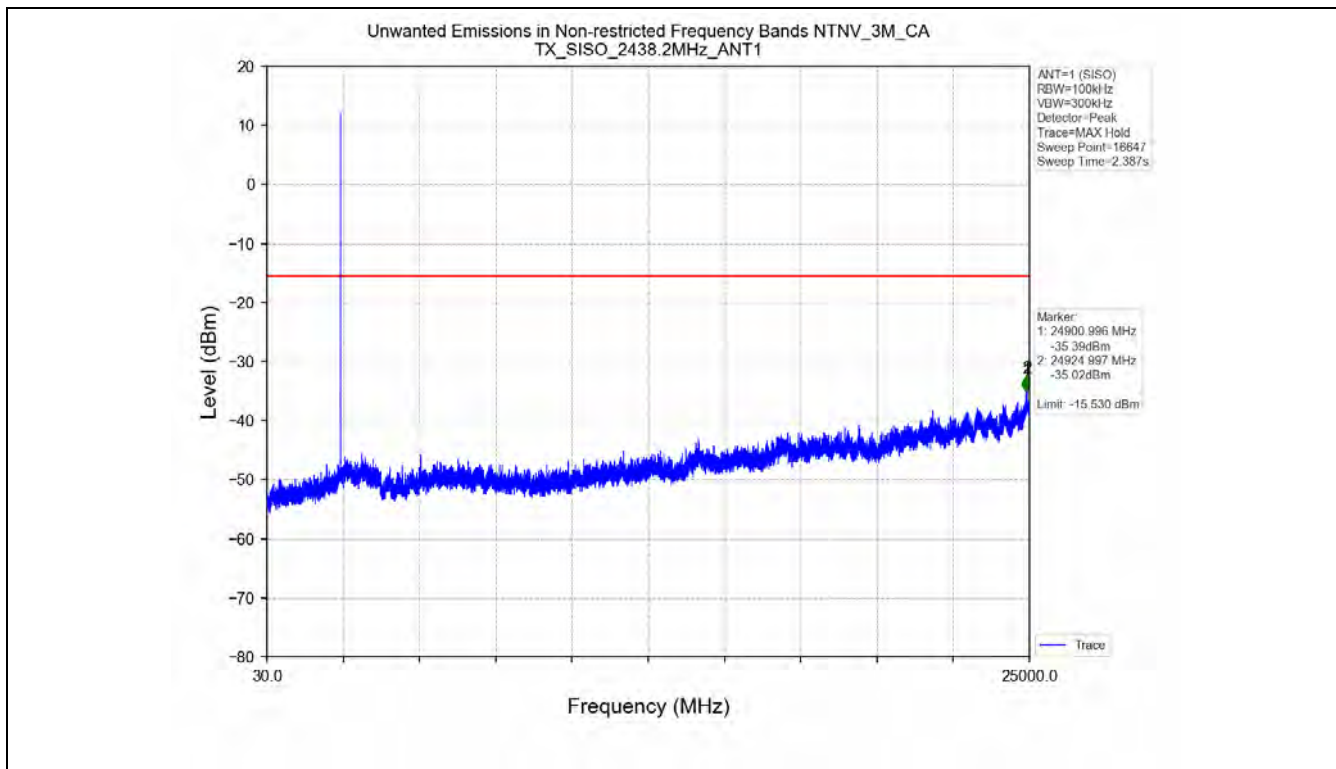


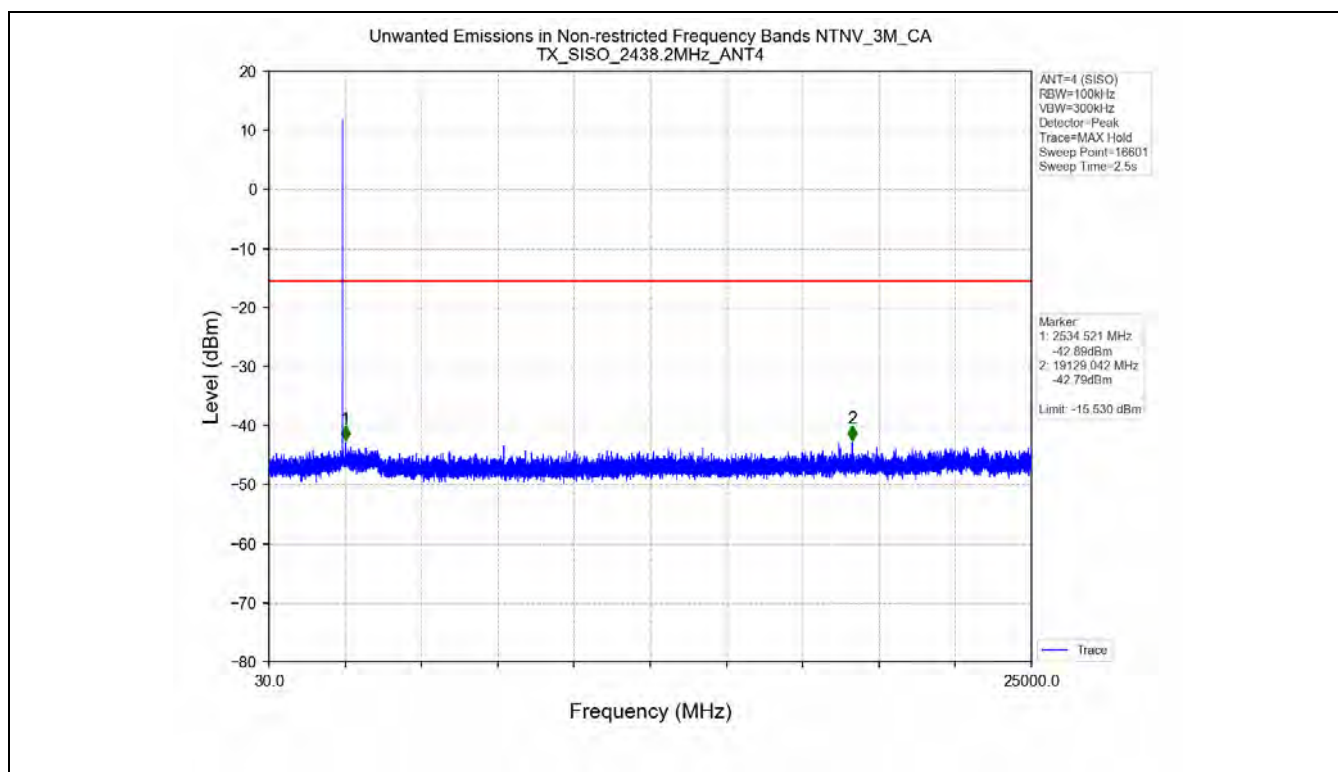
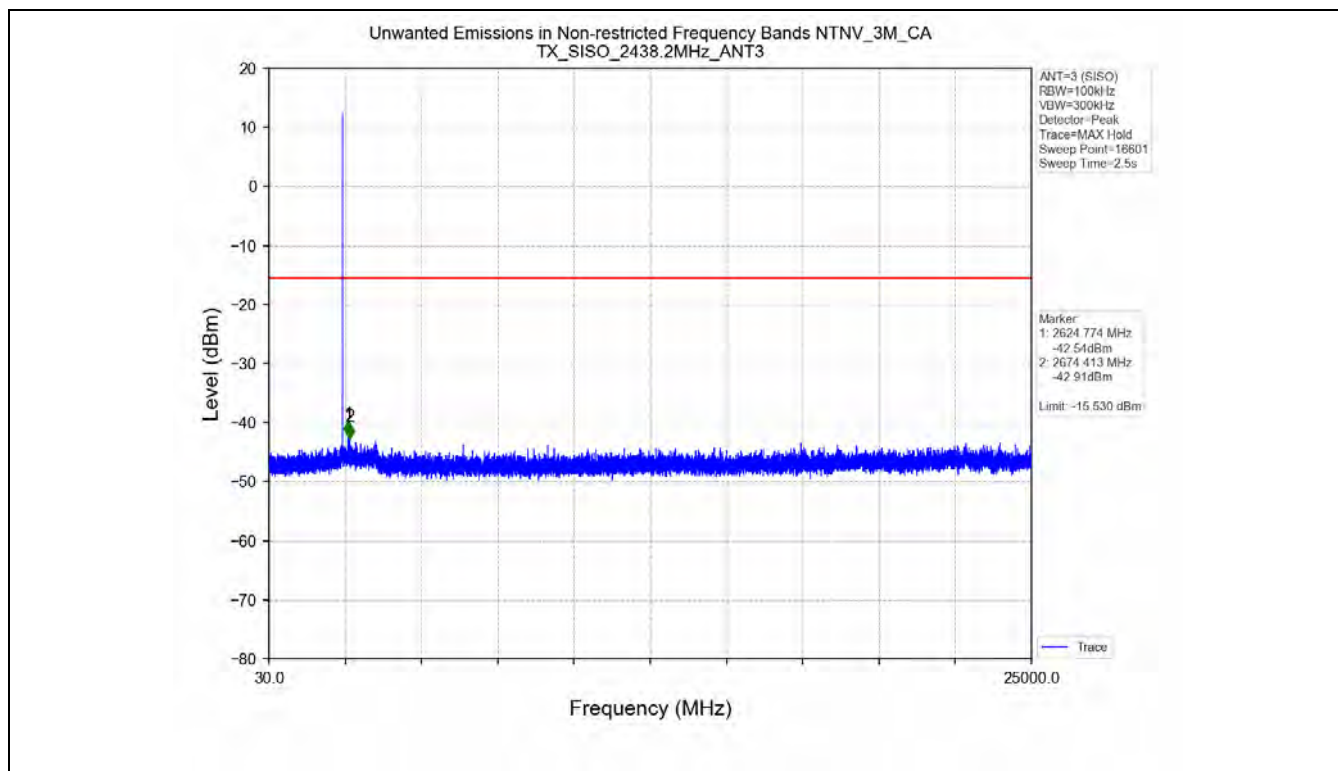


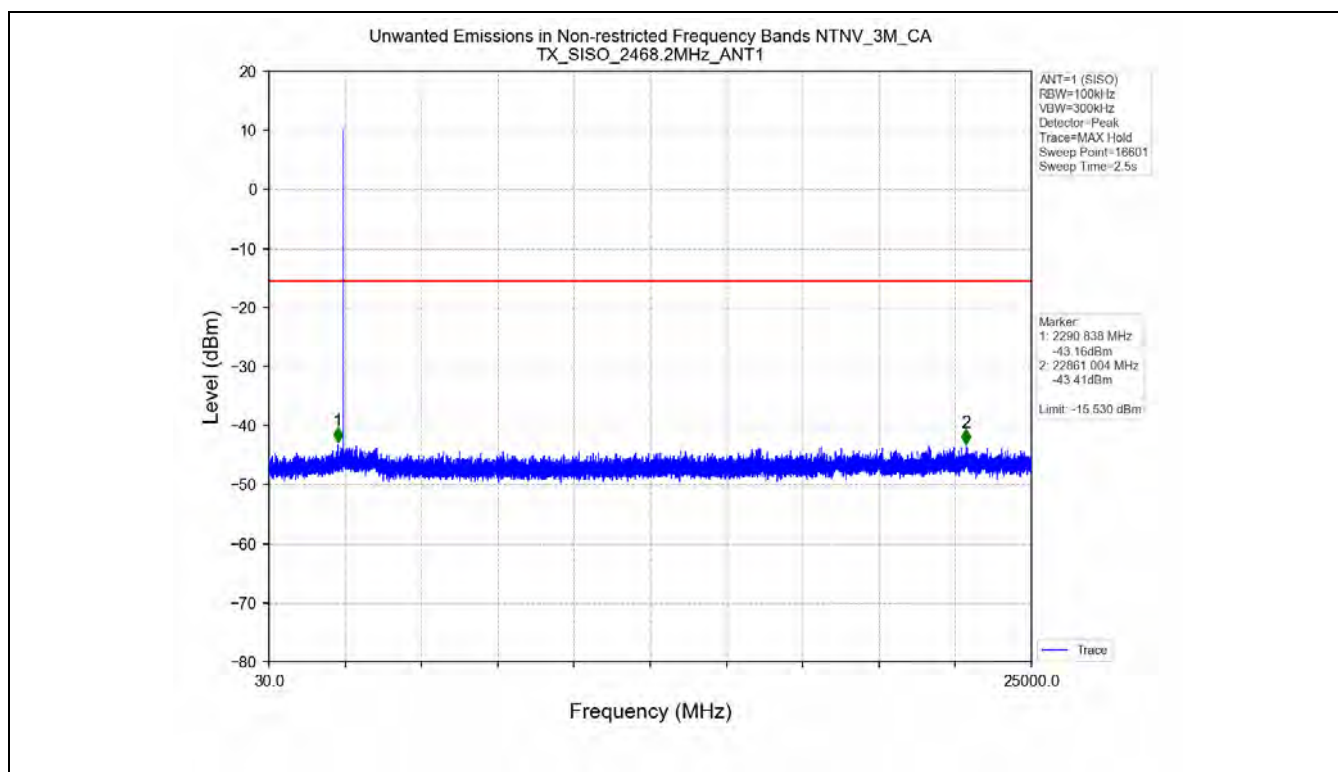
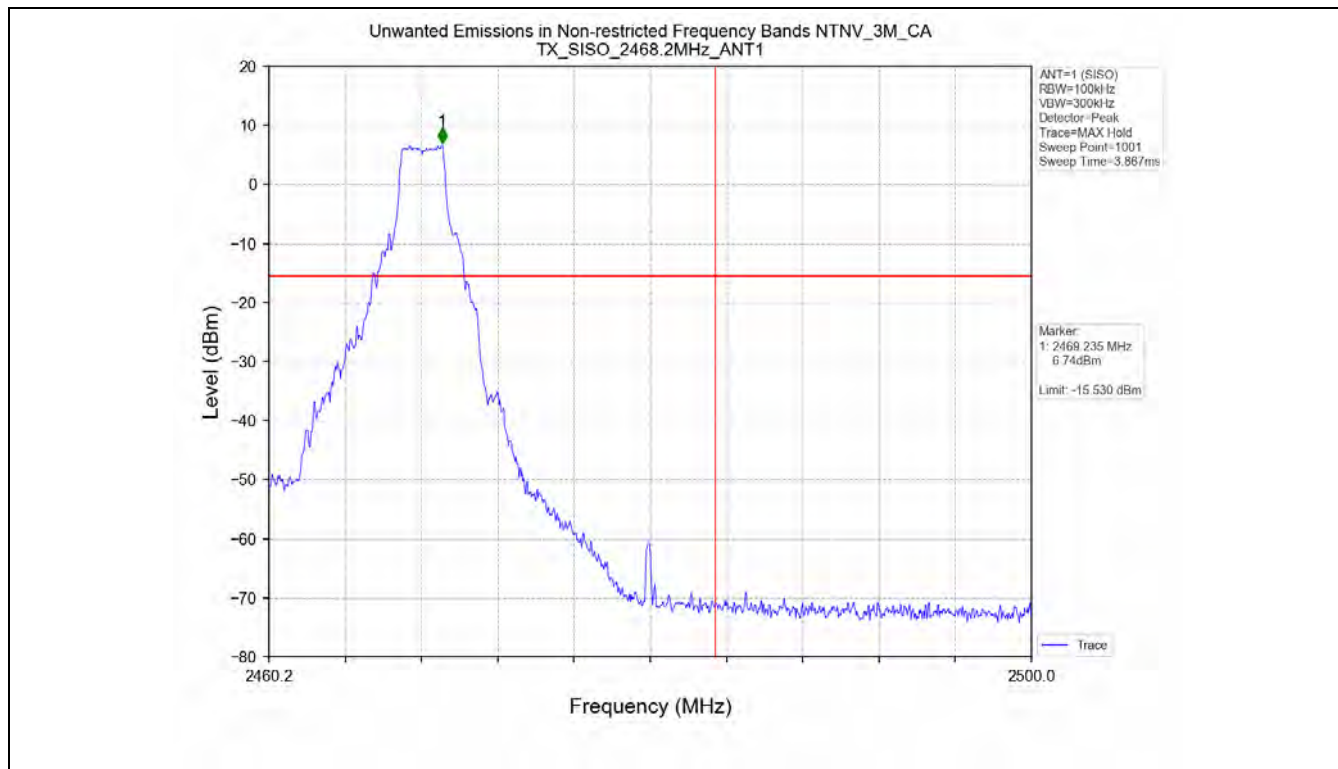


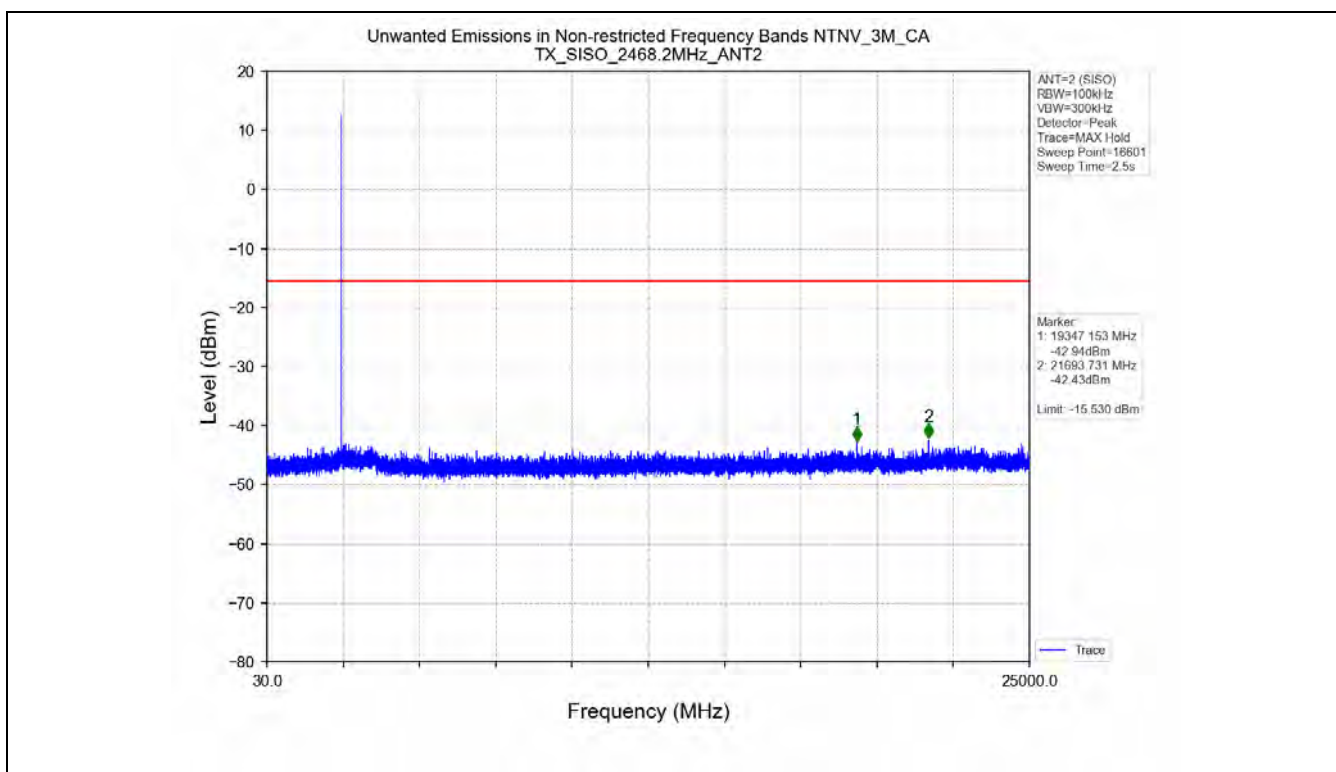
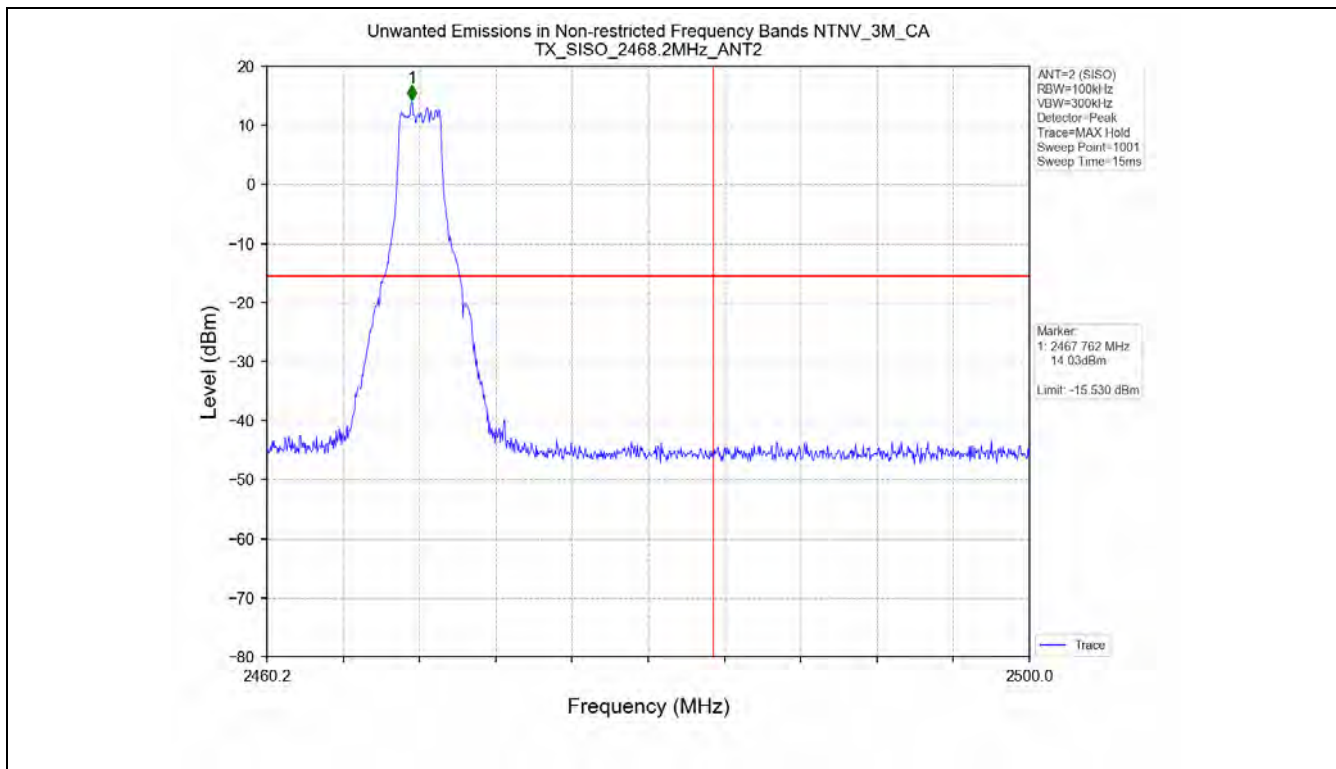


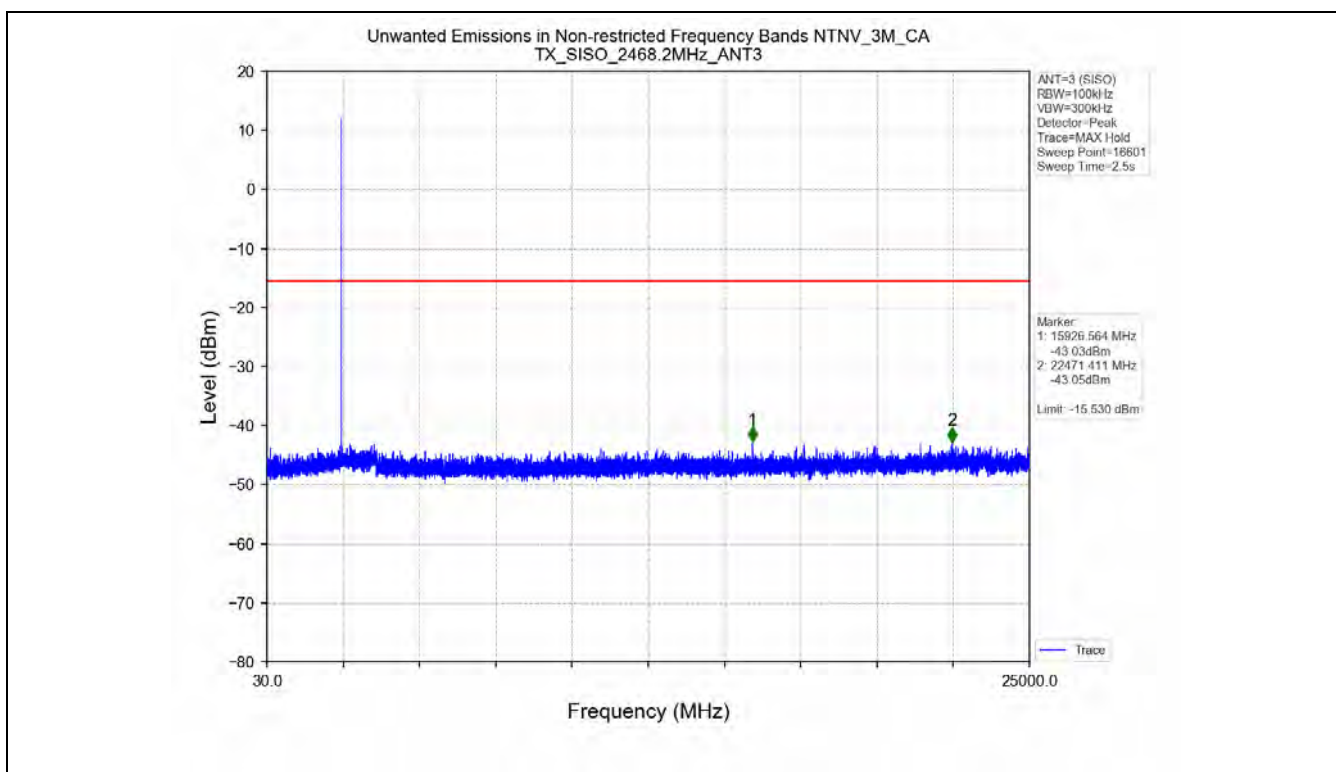
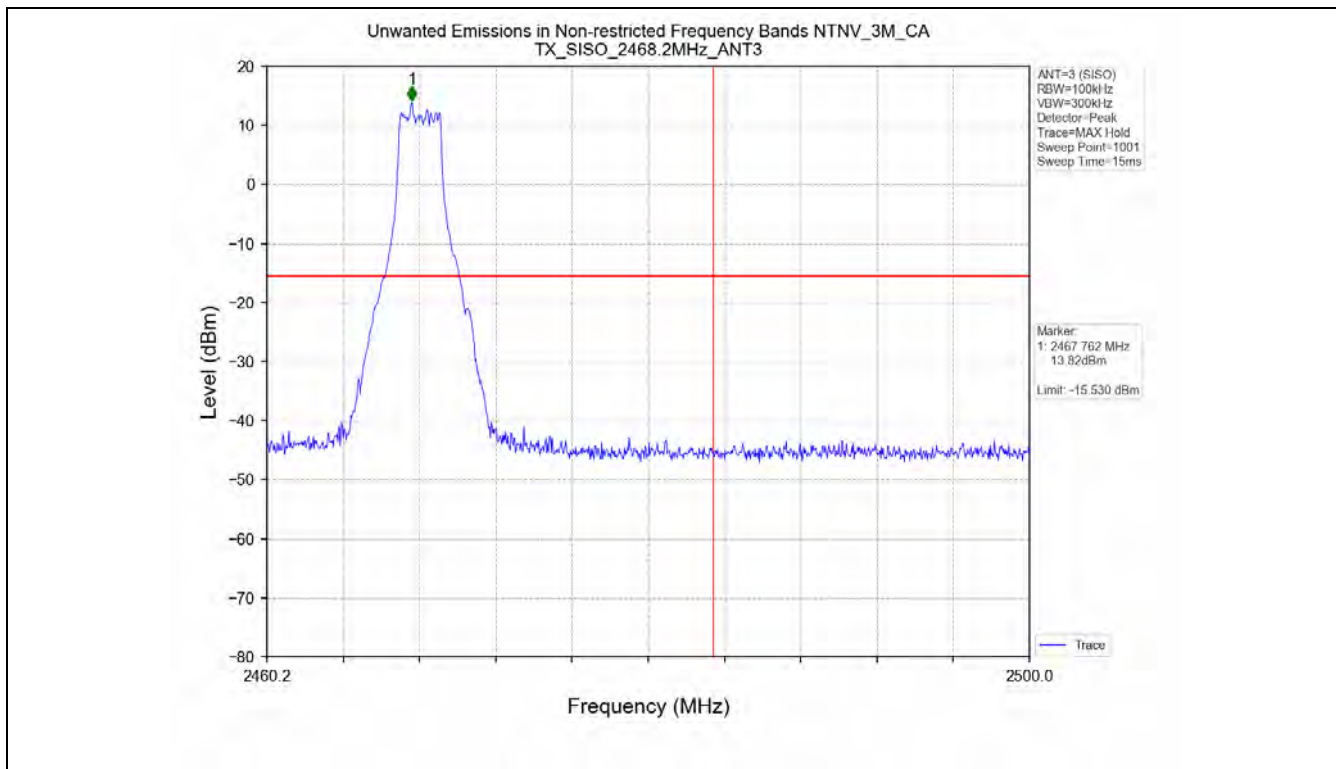


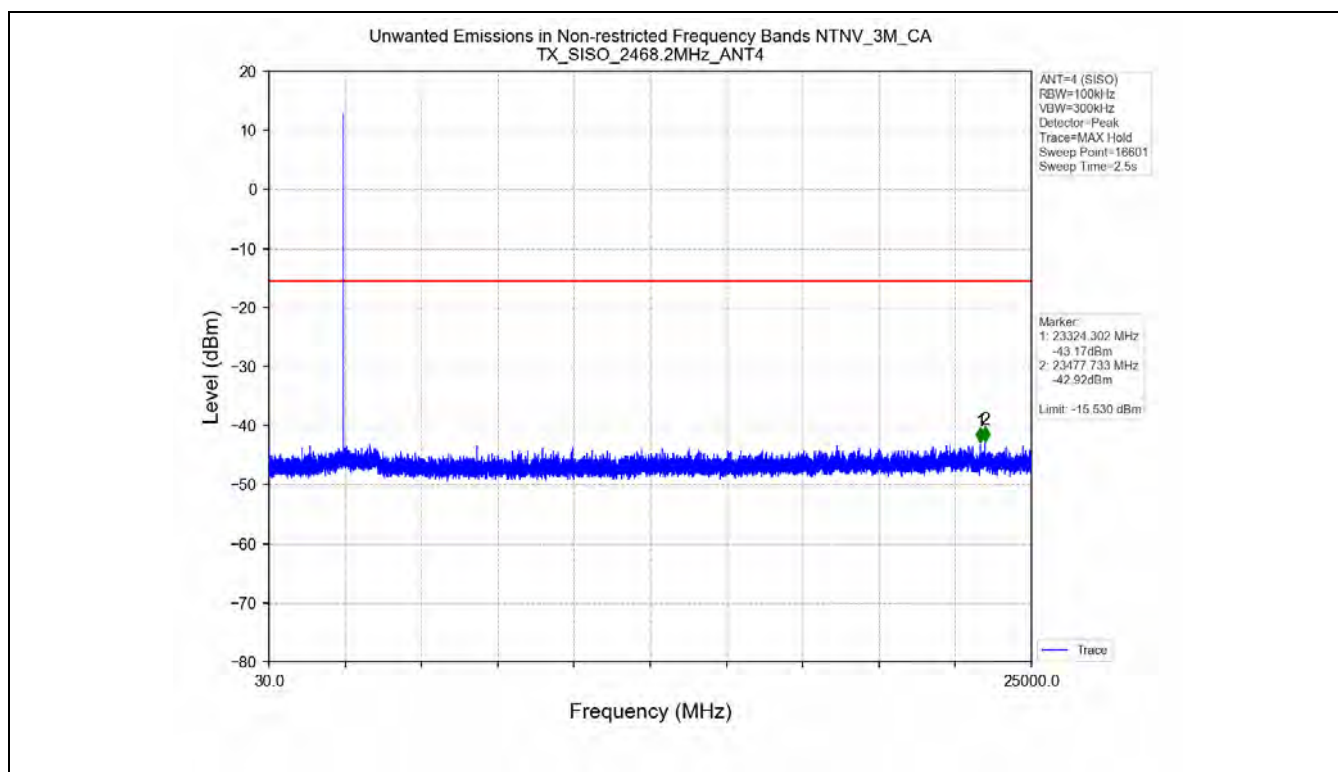
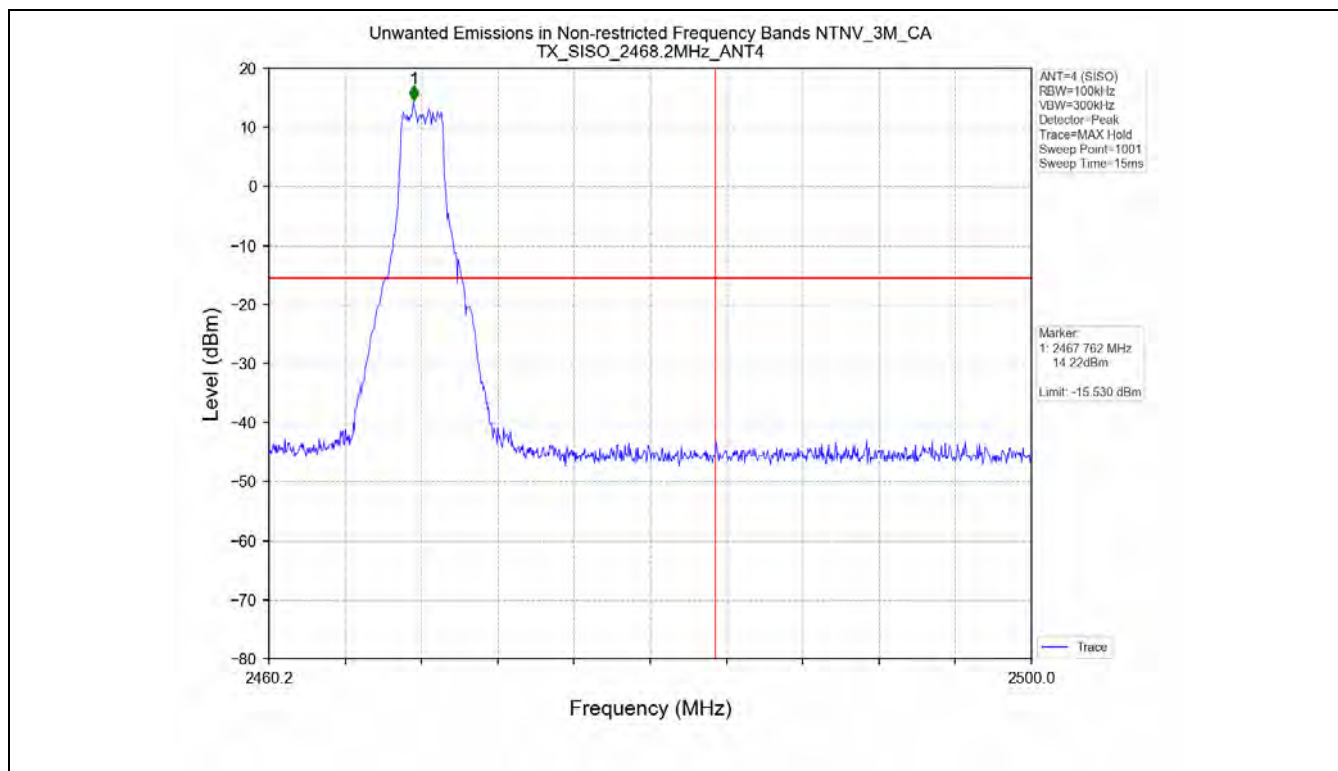












1.4M,1.4M-CA,3M,3M-CA-MIMO

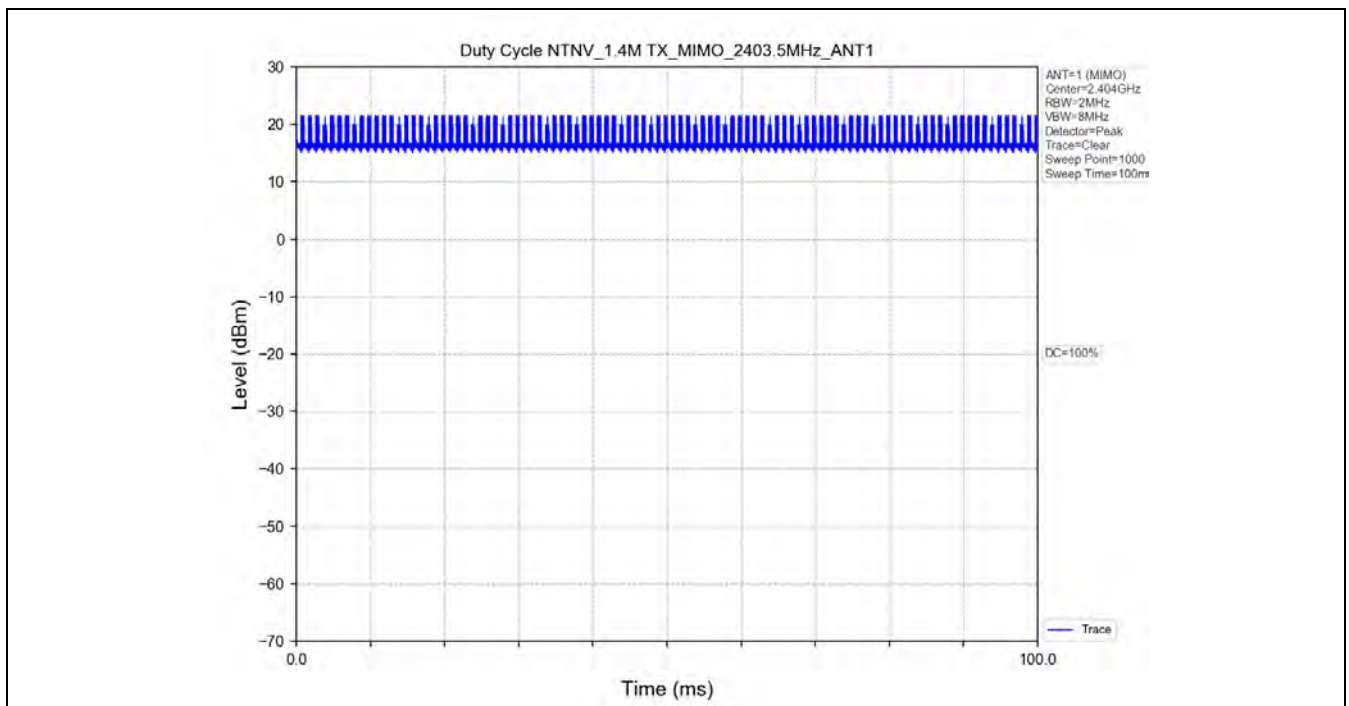
Antenna 1+Antenna 2, Antenna 1+Antenna 4, Antenna 2+Antenna 3, Antenna 3+Antenna 4 were tested.
Only the worst case(Antenna 1+Antenna 2) was recorded in the report.

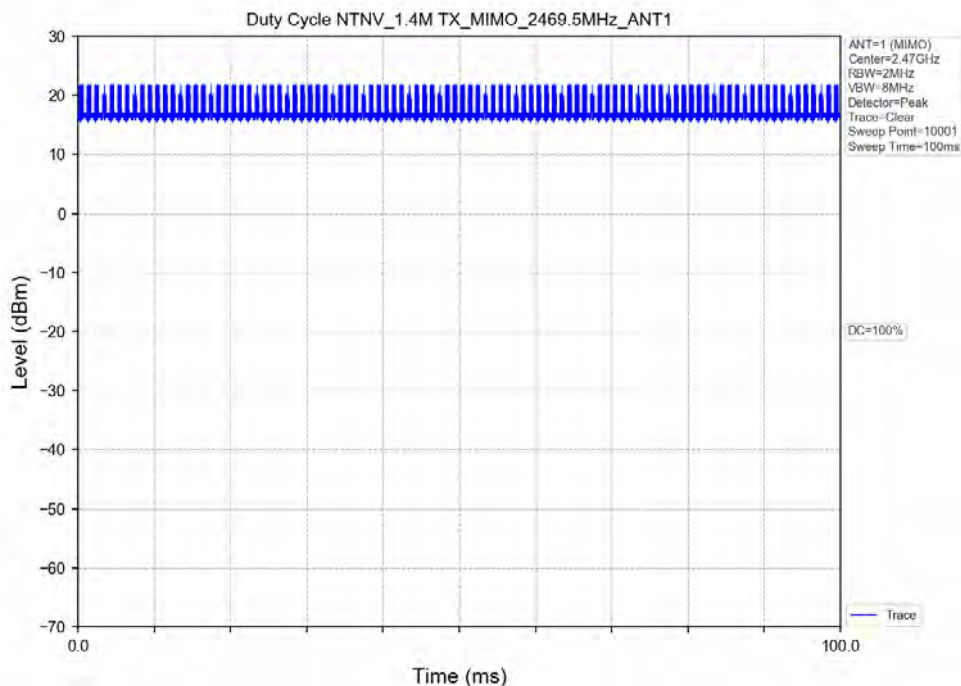
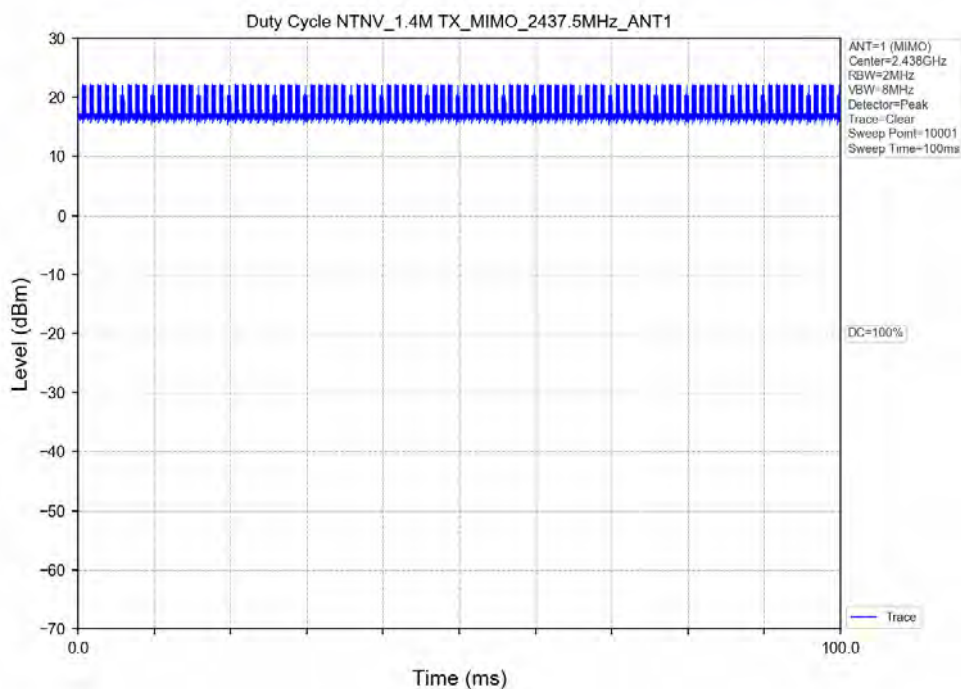
1. Duty Cycle

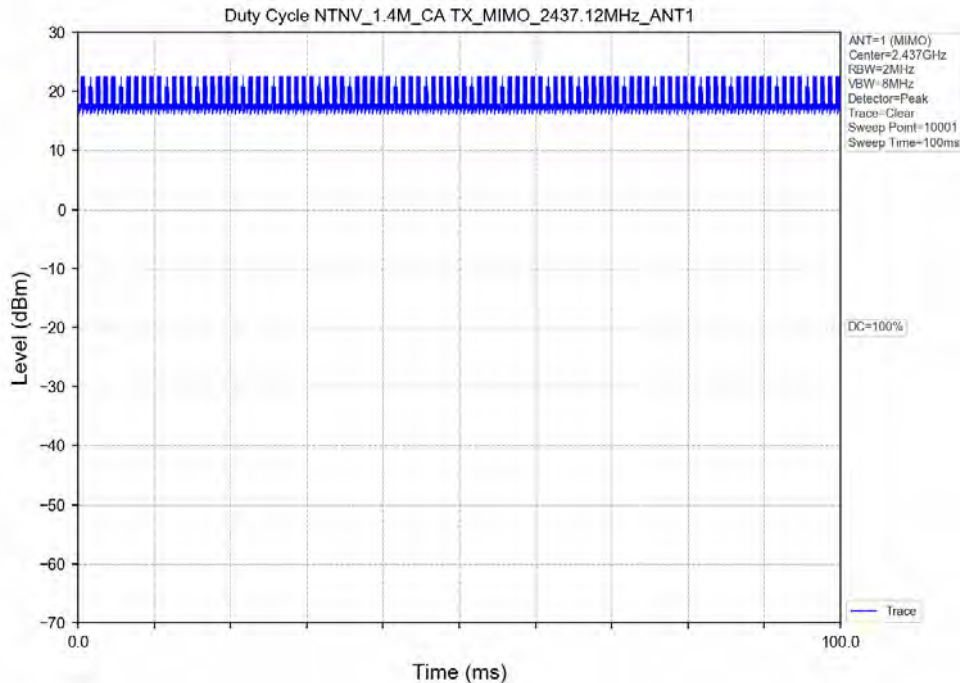
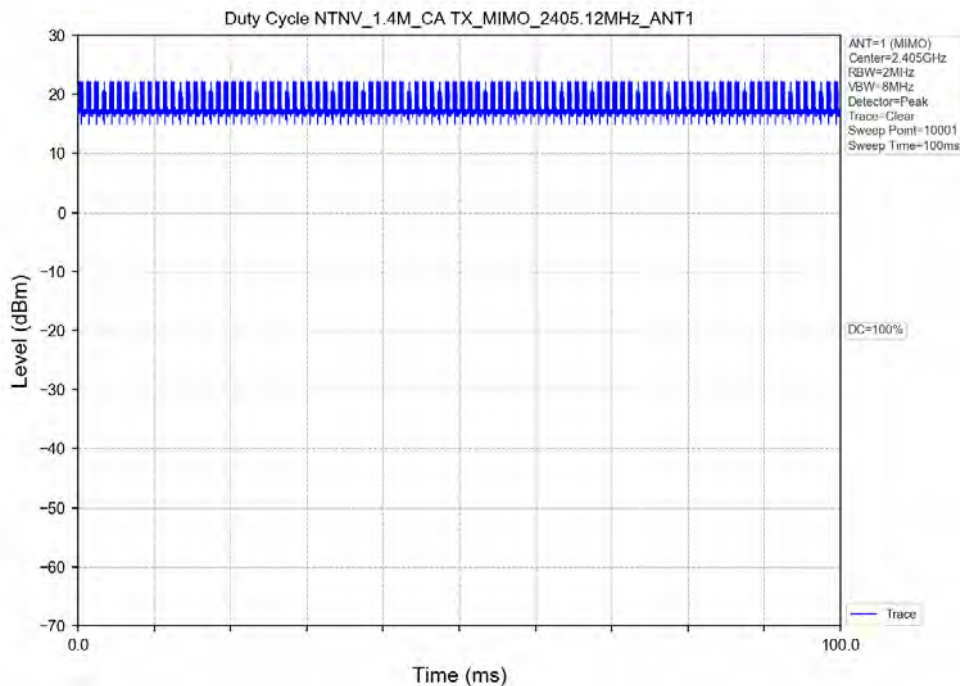
1.1 Test Result

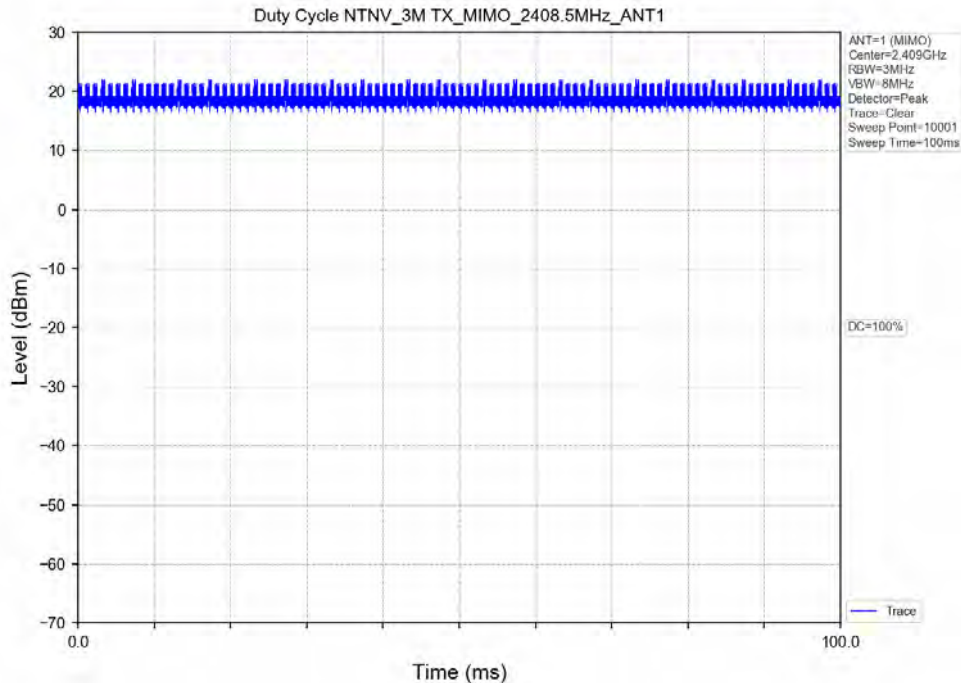
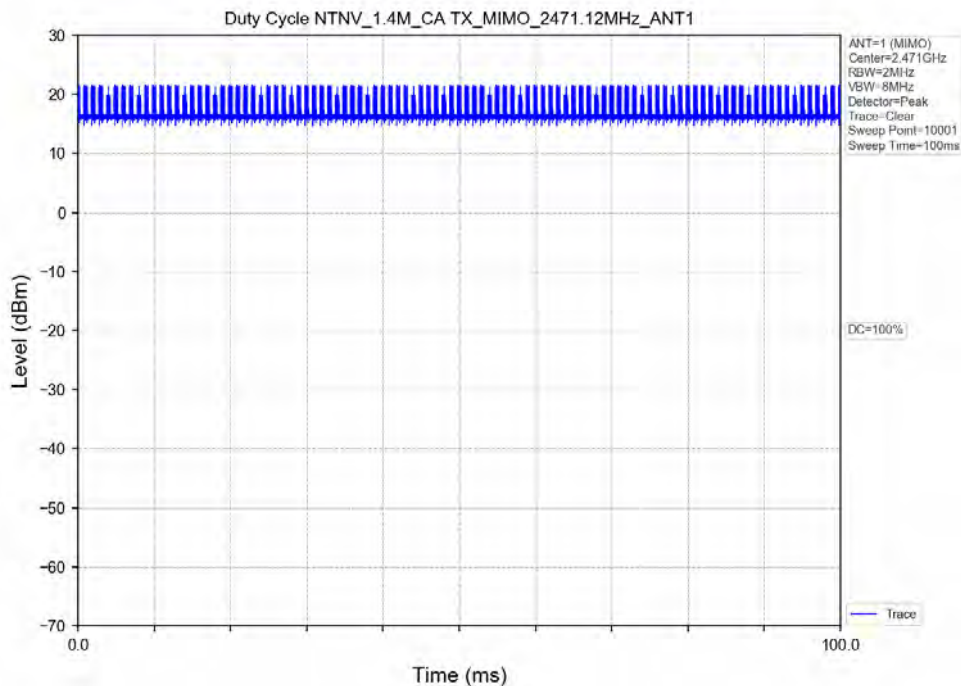
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
1.4M TX	2403.5	MIMO	1	100.000	100.000	100.00	0.00
	2437.5	MIMO	1	100.000	100.000	100.00	0.00
	2469.5	MIMO	1	100.000	100.000	100.00	0.00
1.4M_CA TX	2405.12	MIMO	1	100.000	100.000	100.00	0.00
	2437.12	MIMO	1	100.000	100.000	100.00	0.00
	2471.12	MIMO	1	100.000	100.000	100.00	0.00
3M TX	2408.5	MIMO	1	100.000	100.000	100.00	0.00
	2438.5	MIMO	1	100.000	100.000	100.00	0.00
	2465.5	MIMO	1	100.000	100.000	100.00	0.00
3M_CA TX	2411.2	MIMO	1	100.000	100.000	100.00	0.00
	2438.2	MIMO	1	100.000	100.000	100.00	0.00
	2468.2	MIMO	1	100.000	100.000	100.00	0.00

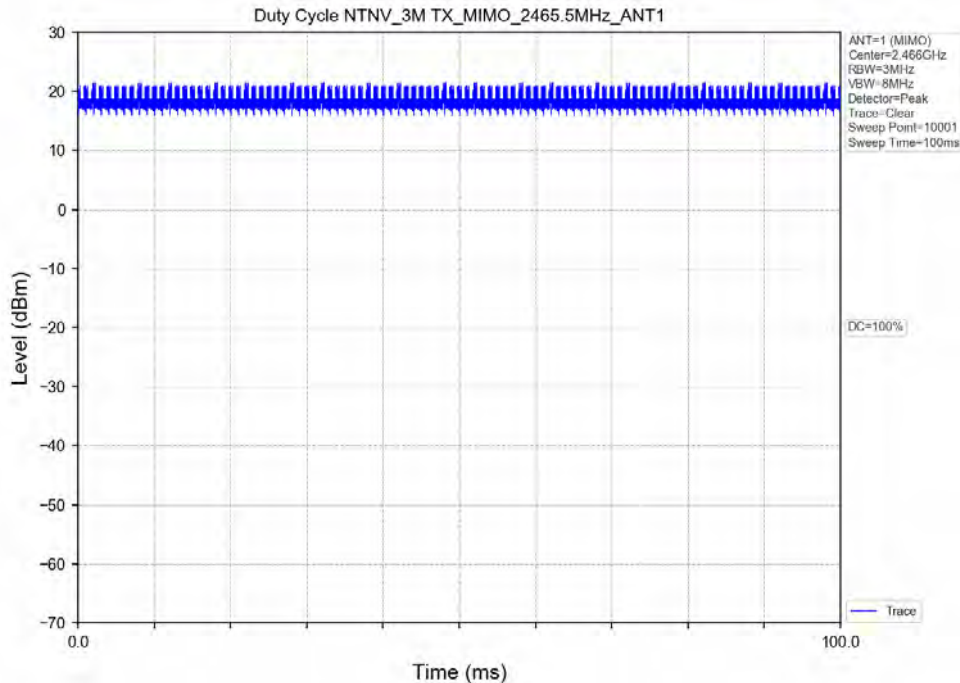
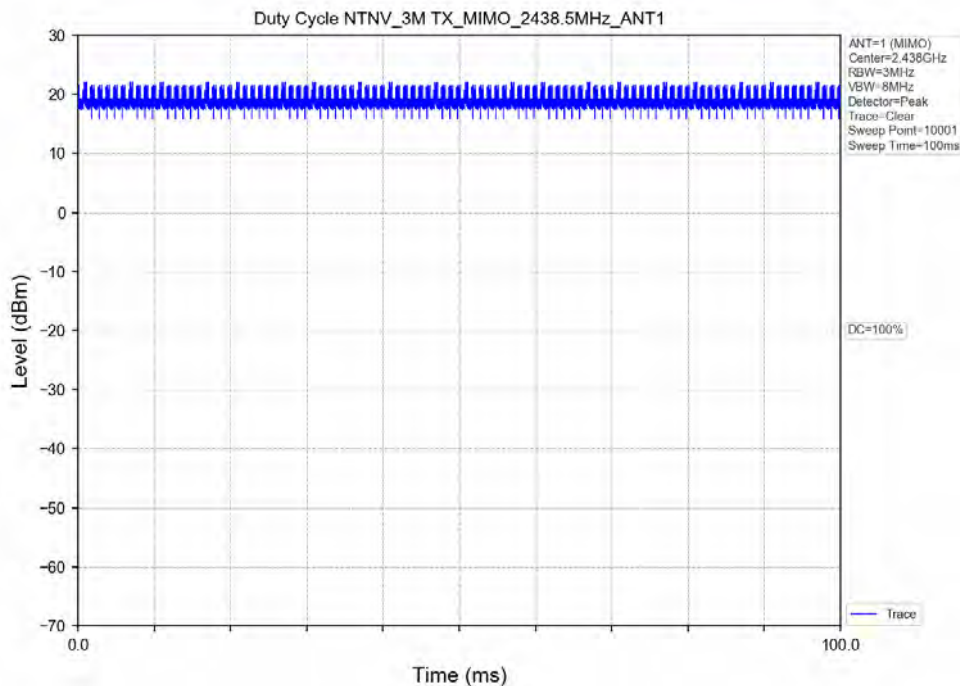
1.2 Test Graph

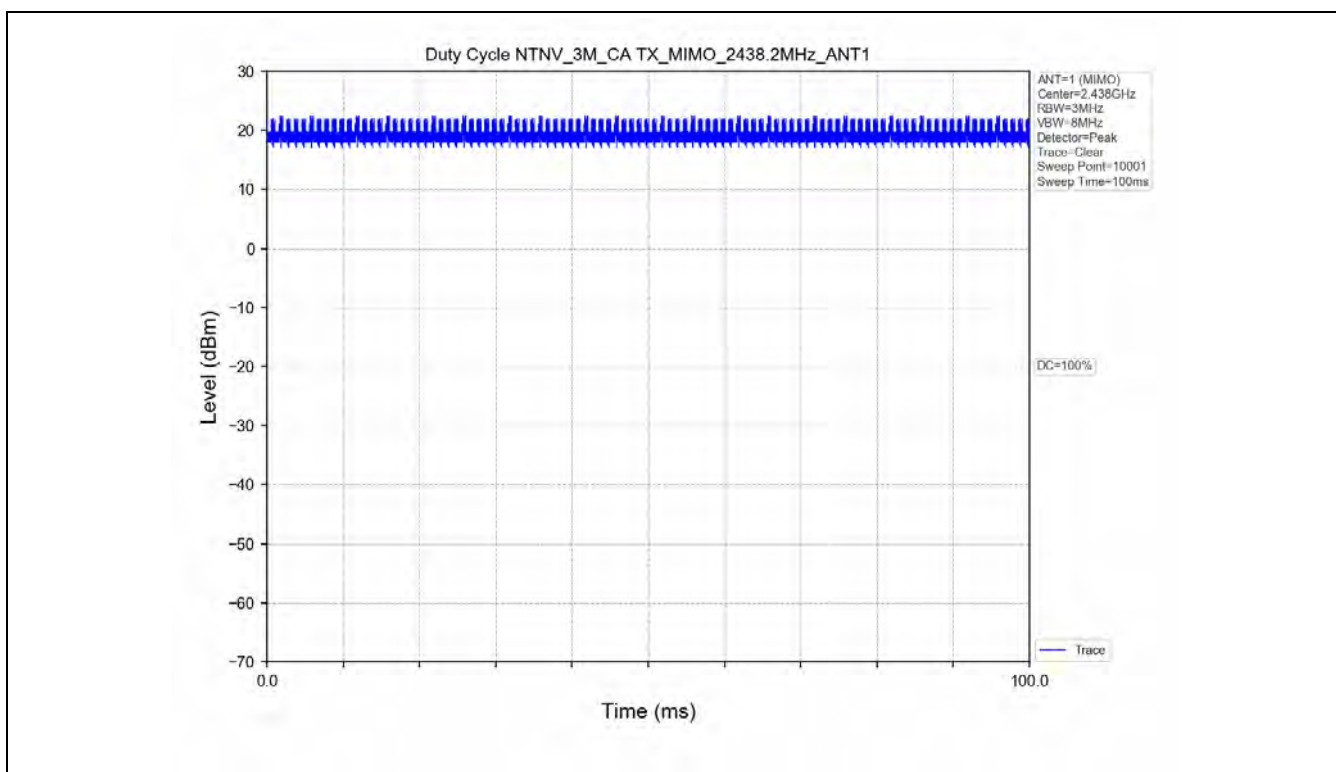
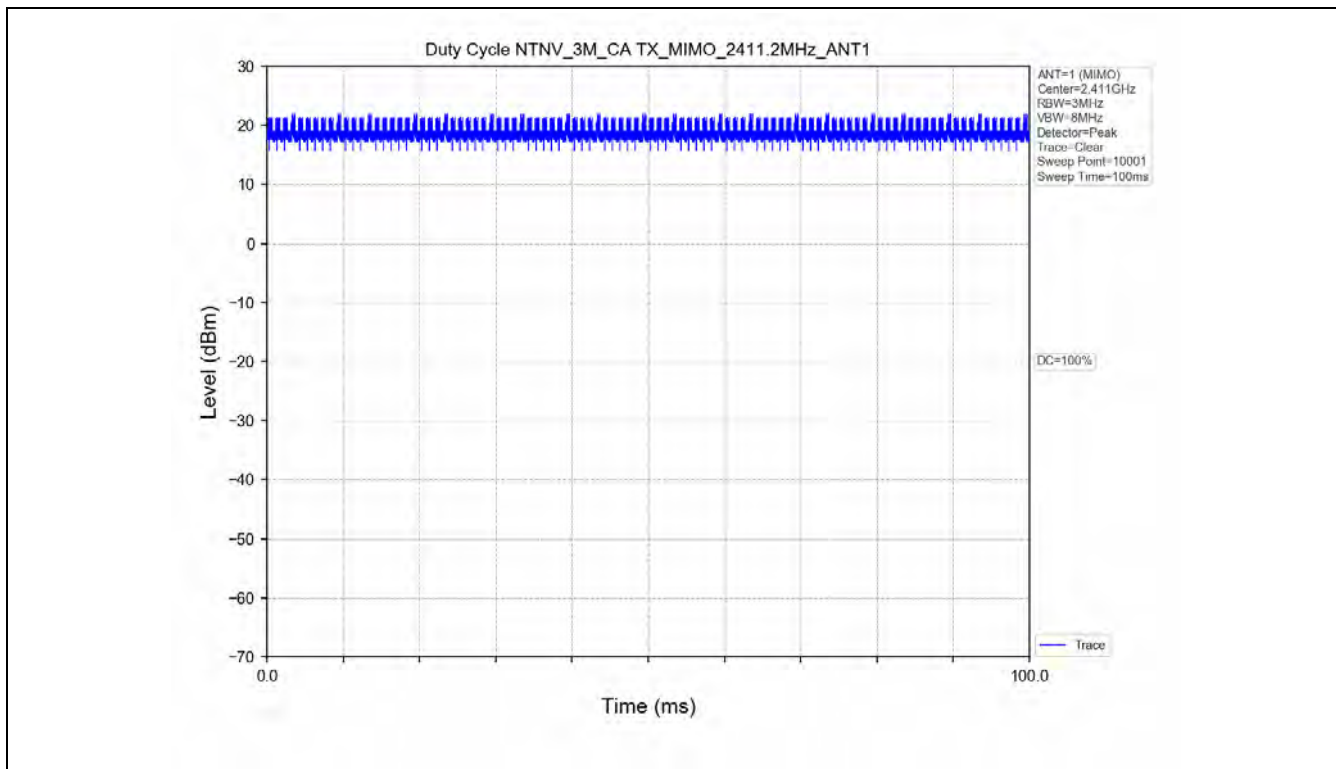


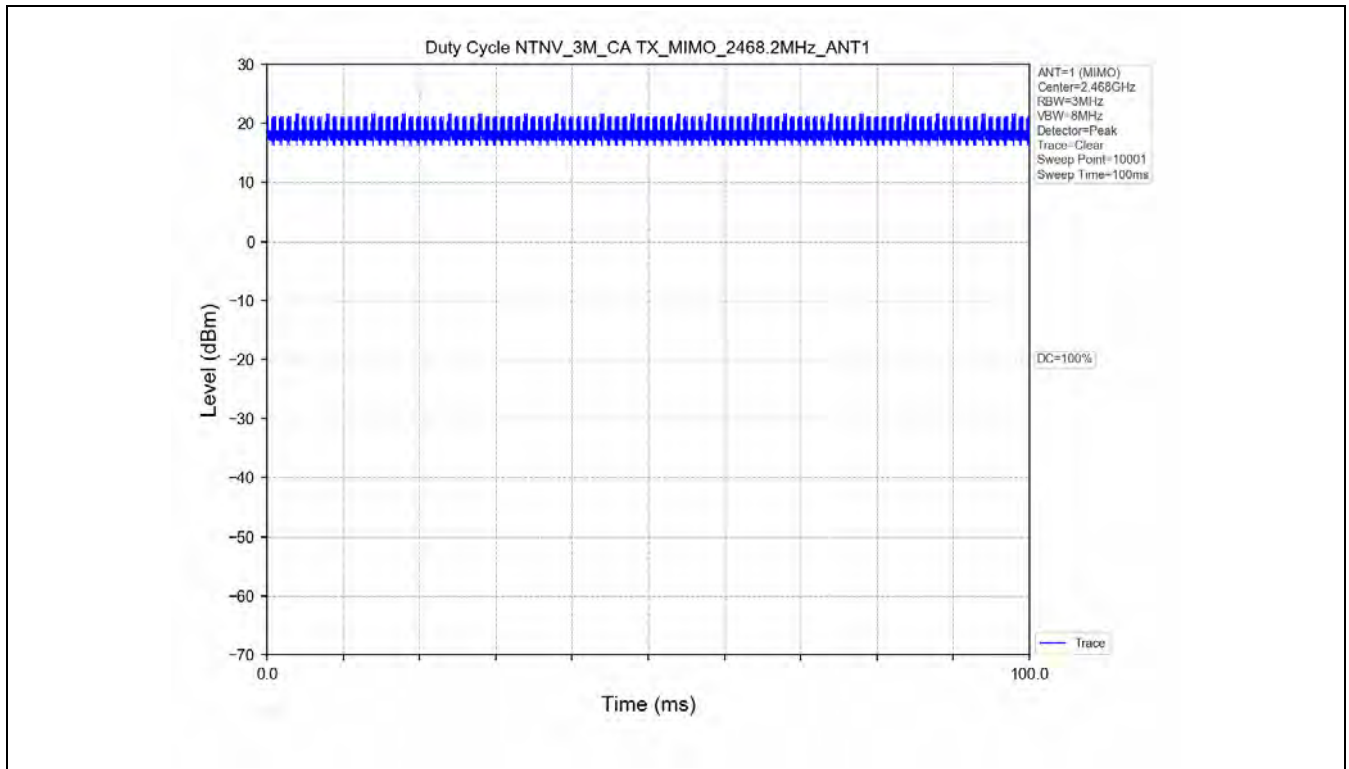










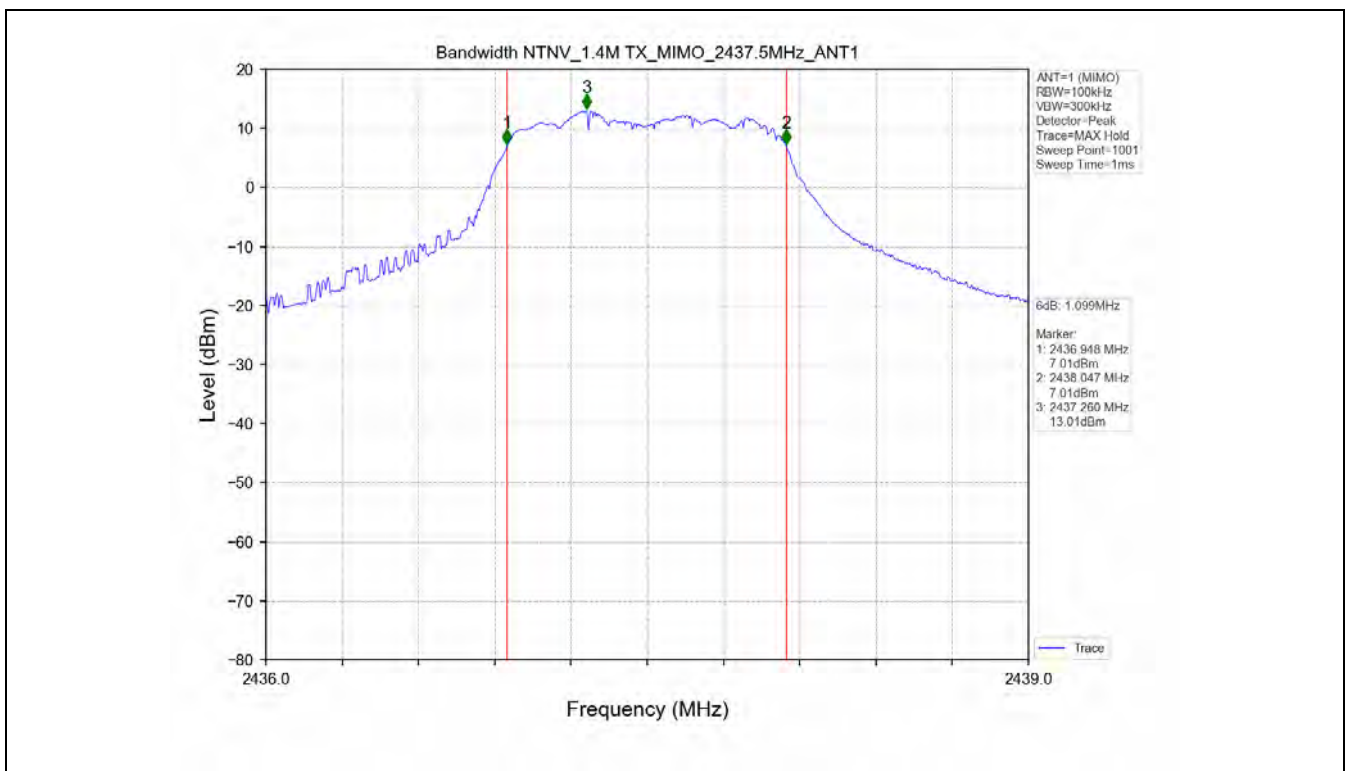
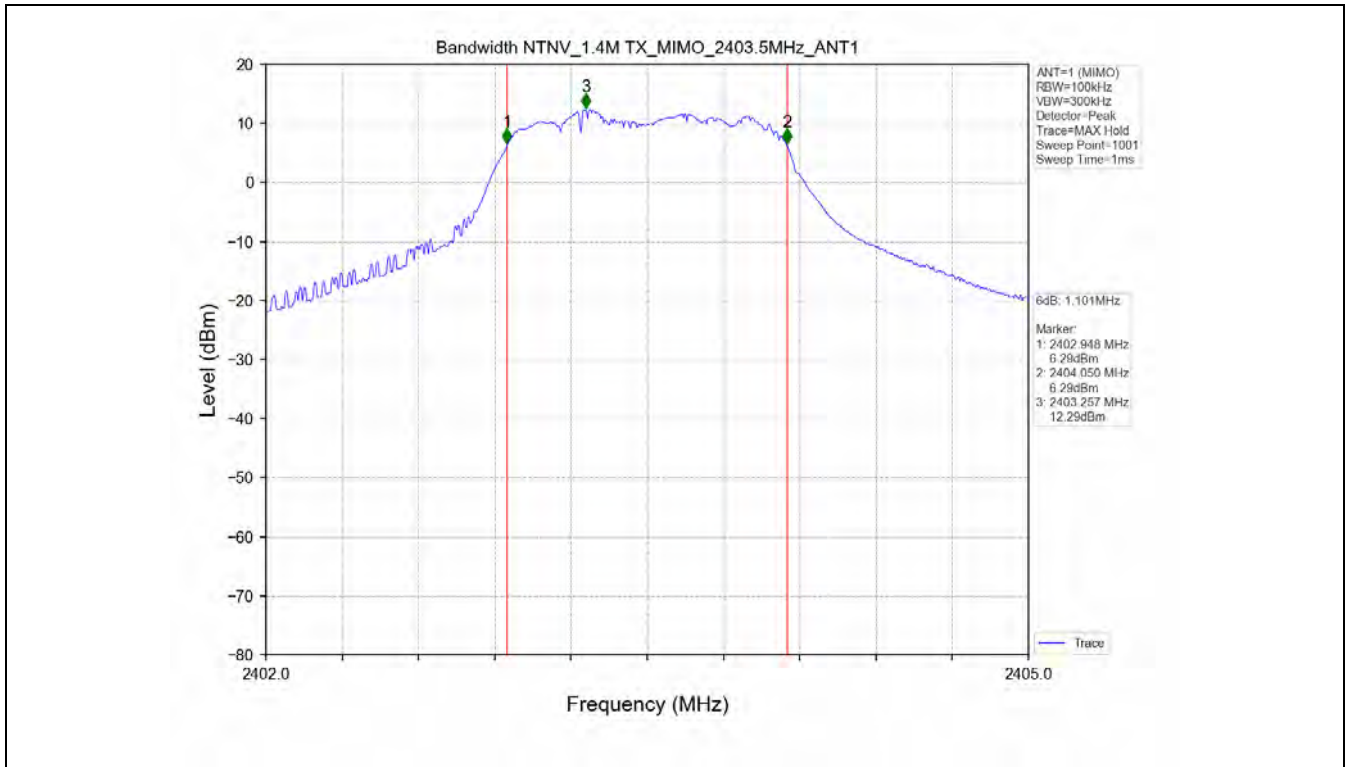


2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
1.4M TX	2403.5	MIMO	1	1.101	≥0.5	PASS
	2437.5	MIMO	1	1.099	≥0.5	PASS
	2469.5	MIMO	1	1.100	≥0.5	PASS
1.4M_CA TX	2405.12	MIMO	1	1.102	≥0.5	PASS
	2437.12	MIMO	1	1.098	≥0.5	PASS
	2471.12	MIMO	1	1.096	≥0.5	PASS
3M TX	2408.5	MIMO	1	2.176	≥0.5	PASS
	2438.5	MIMO	1	2.178	≥0.5	PASS
	2465.5	MIMO	1	2.178	≥0.5	PASS
3M_CA TX	2411.2	MIMO	1	2.177	≥0.5	PASS
	2438.2	MIMO	1	2.179	≥0.5	PASS
	2468.2	MIMO	1	2.178	≥0.5	PASS

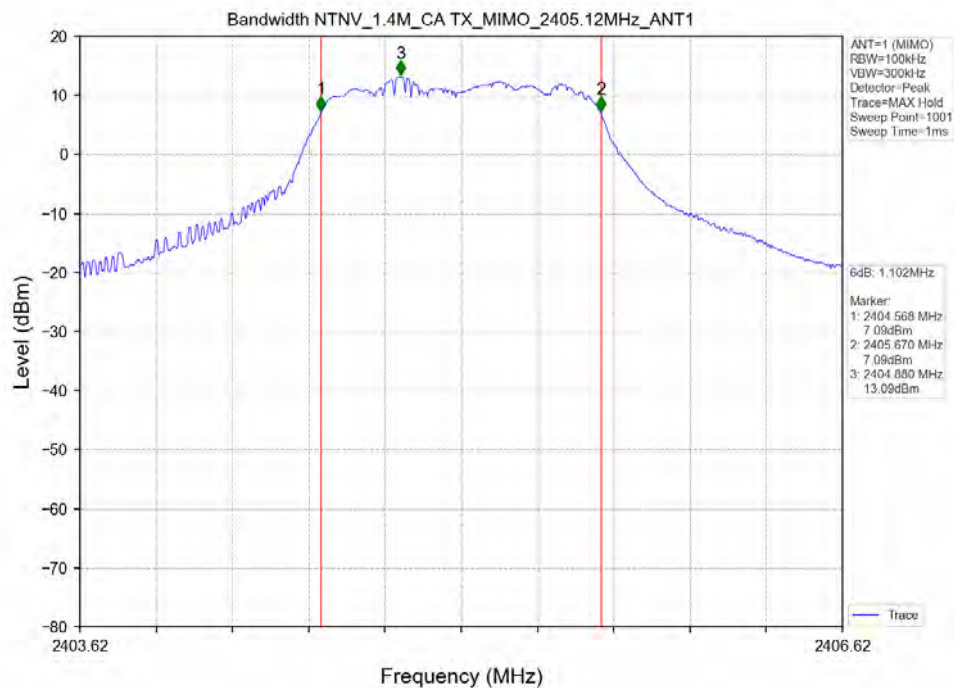
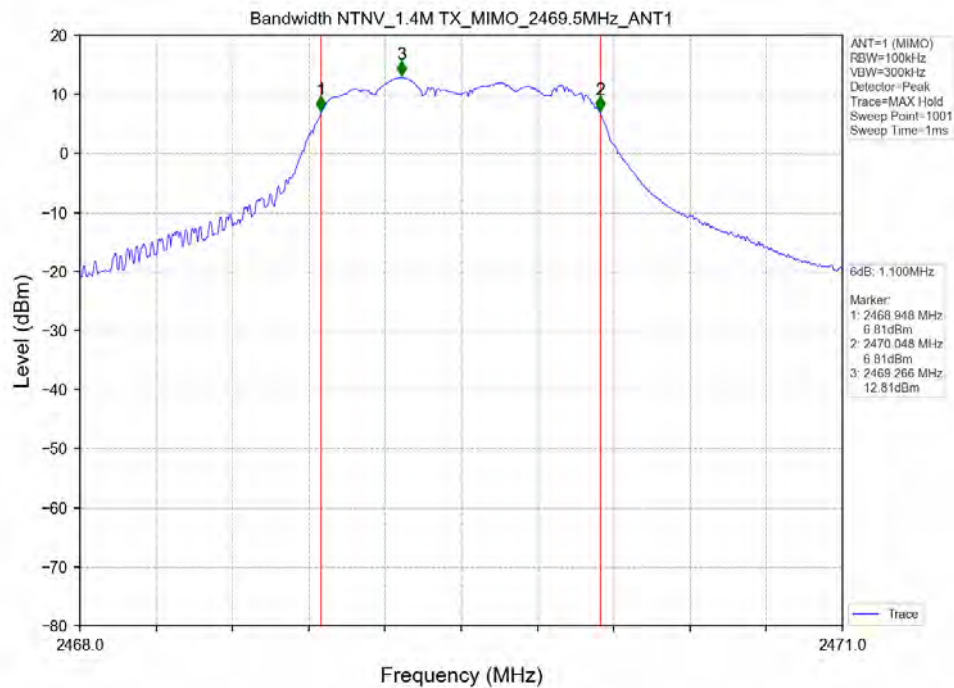
2.2 Test Graph - 6dB Bandwidth

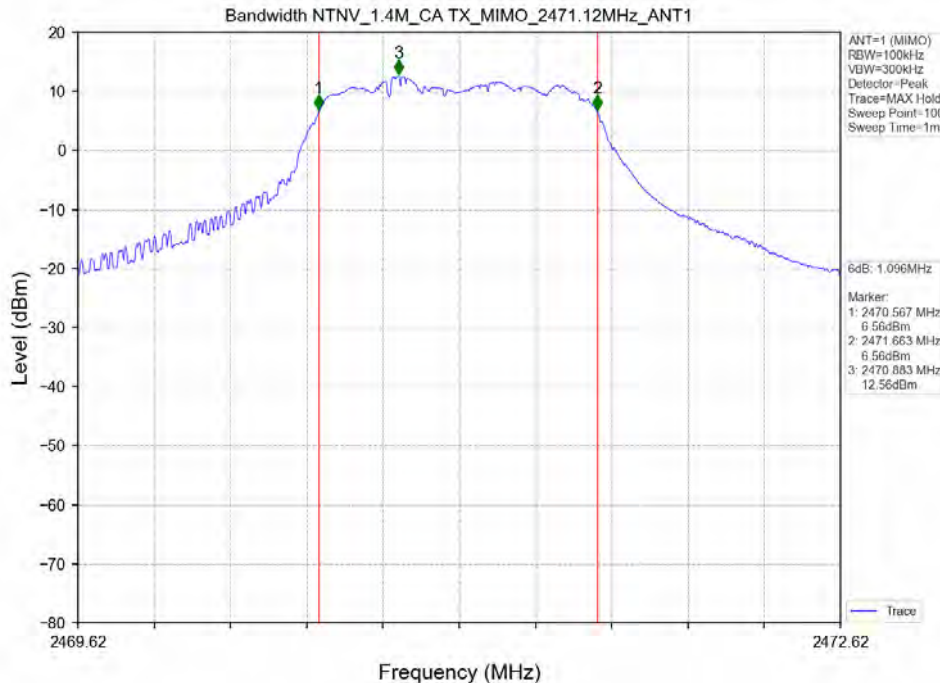
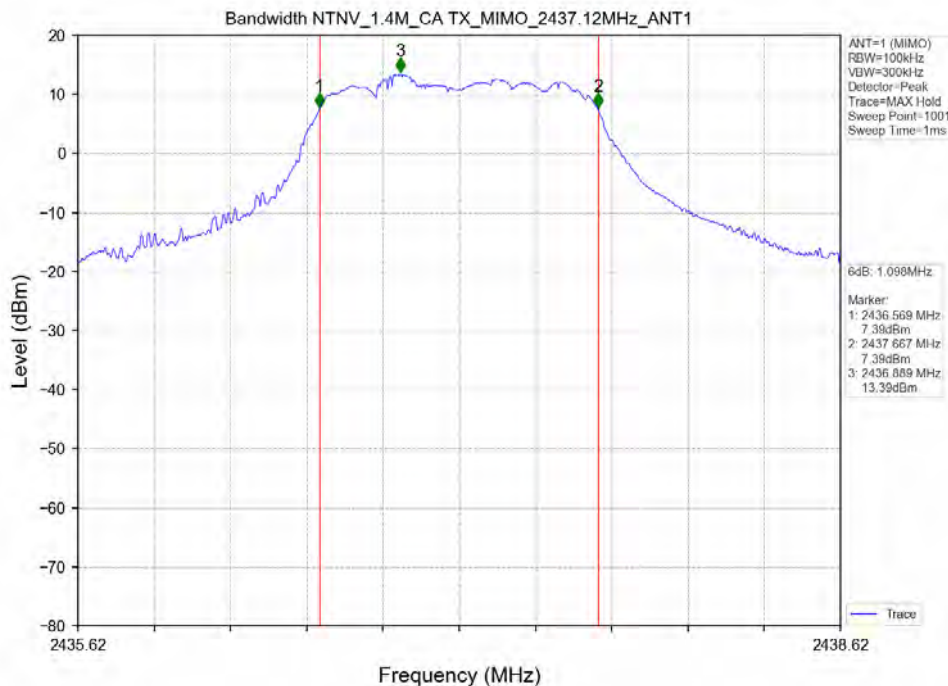


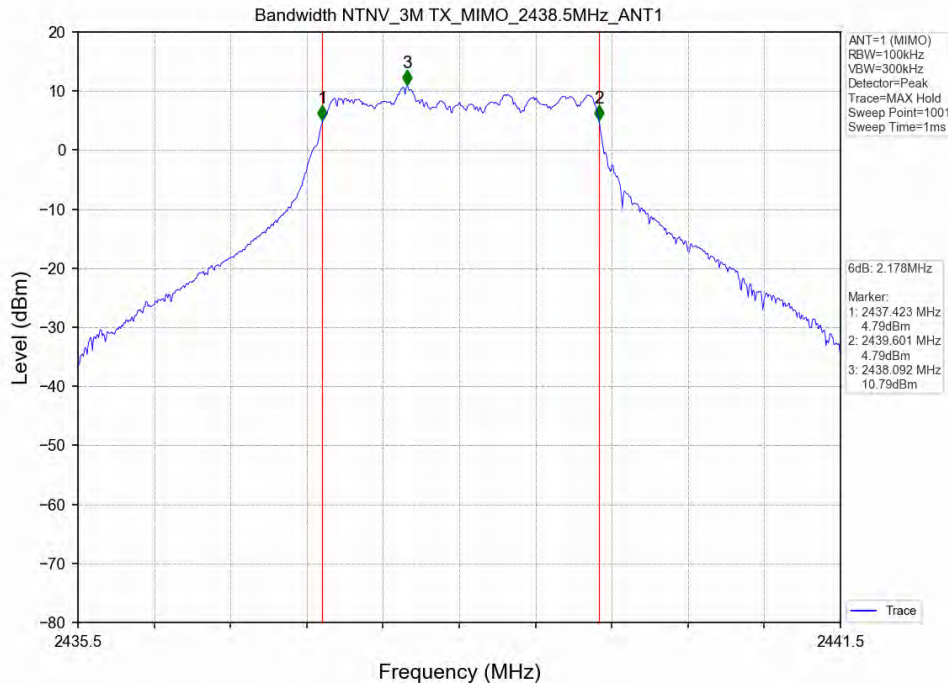
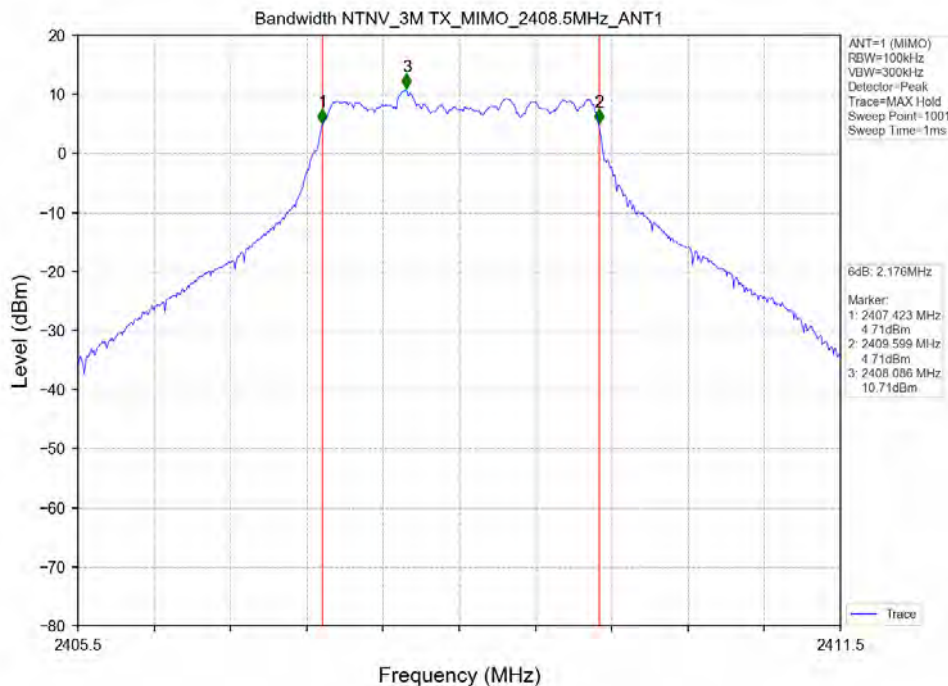
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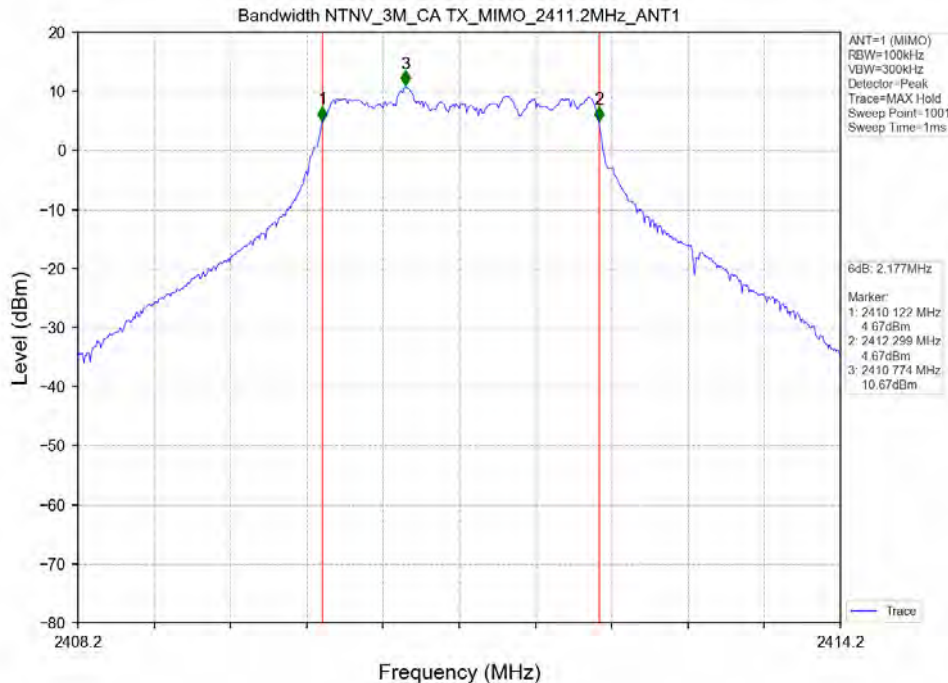
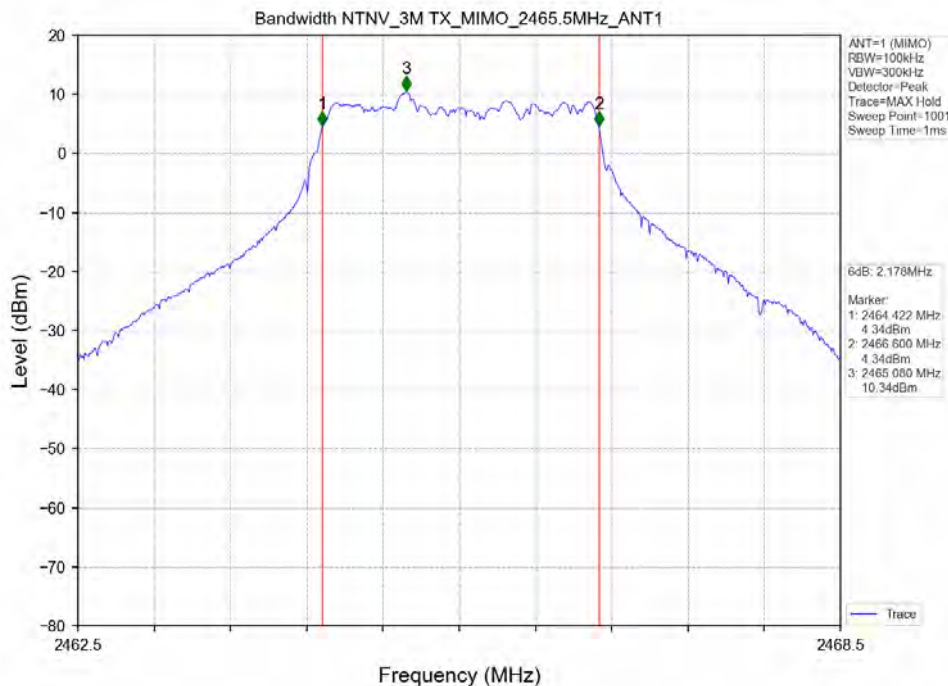
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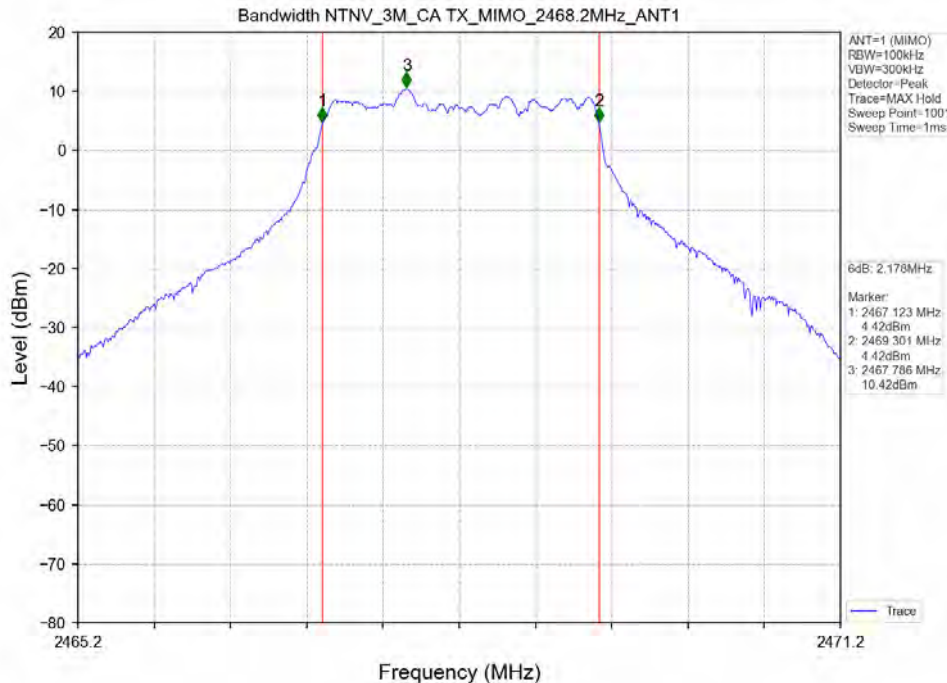
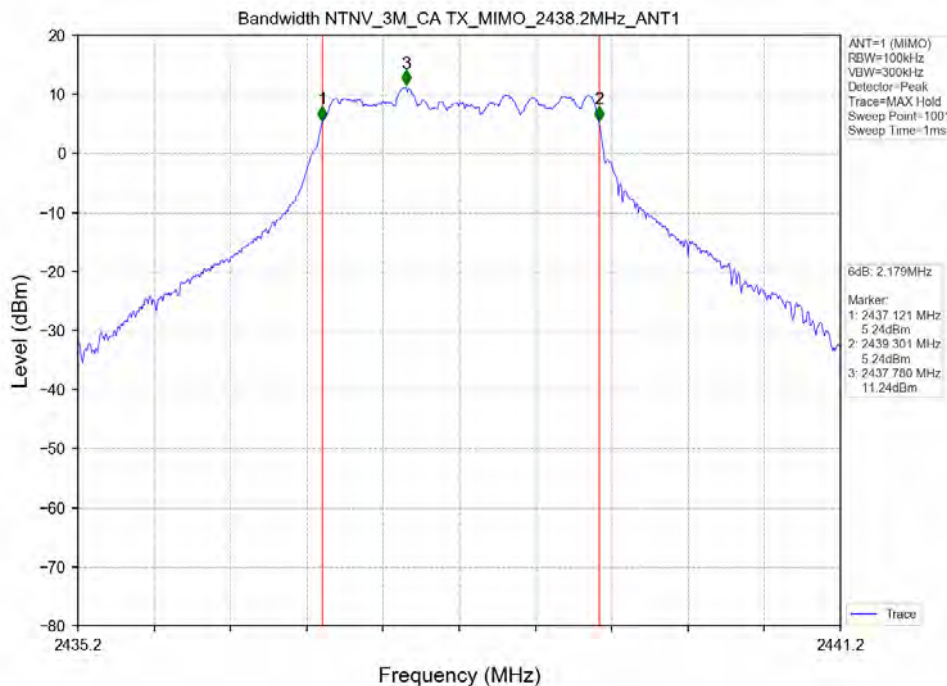
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com











3. Maximum Conducted Output Power

3.1 Test Result

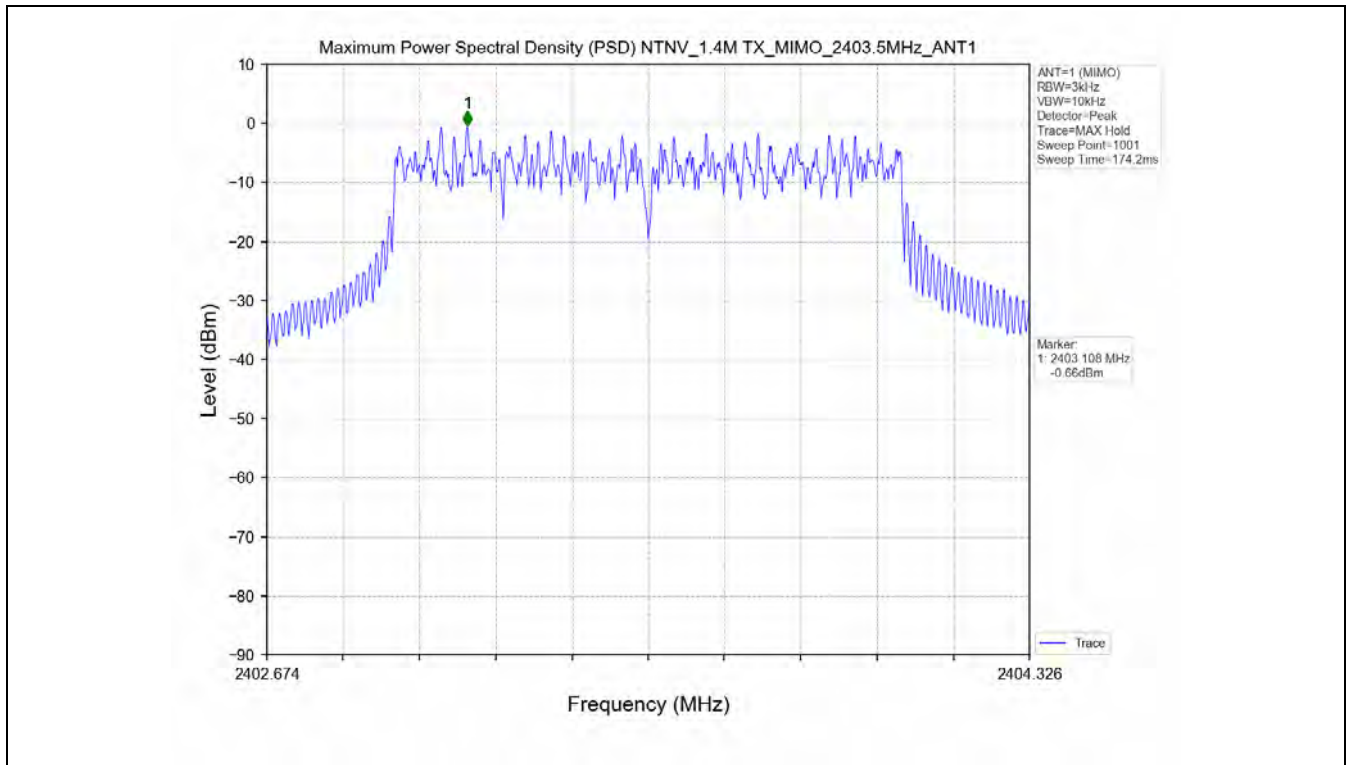
Test Mode	Frequency (MHz)	Tx Type	Measured Average Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
1.4M TX	2403.5	MIMO	13.09	13.53	16.33	30	PASS
	2437.5	MIMO	13.78	14.79	17.32	30	PASS
	2469.5	MIMO	13.59	14.62	17.15	30	PASS
1.4M_CA TX	2405.12	MIMO	13.80	13.54	16.68	30	PASS
	2437.12	MIMO	14.18	14.72	17.47	30	PASS
	2471.12	MIMO	13.17	14.12	16.68	30	PASS
3M TX	2408.5	MIMO	13.60	13.92	16.77	30	PASS
	2438.5	MIMO	13.74	14.37	17.08	30	PASS
	2465.5	MIMO	13.21	14.13	16.70	30	PASS
3M_CA TX	2411.2	MIMO	13.53	13.65	16.60	30	PASS
	2438.2	MIMO	14.26	14.86	17.58	30	PASS
	2468.2	MIMO	13.39	14.59	17.04	30	PASS

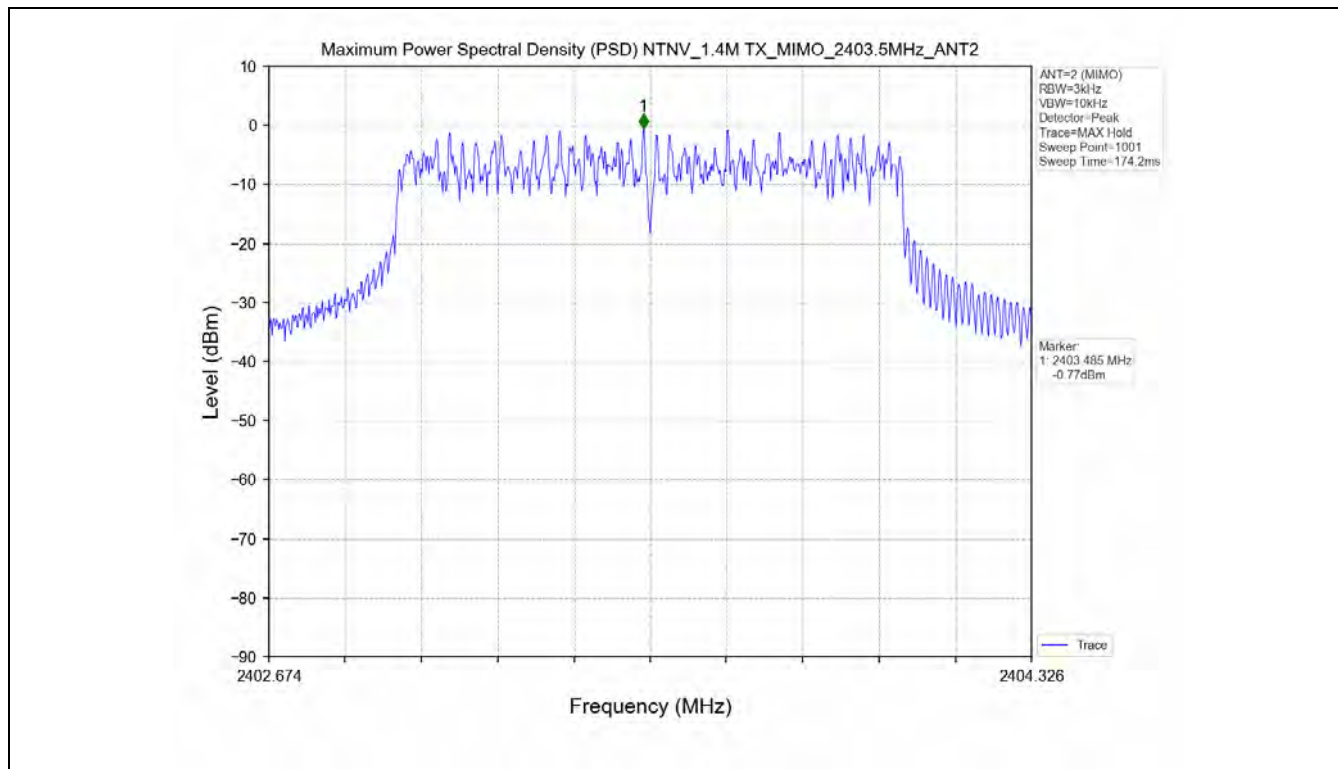
4. Maximum Power Spectral Density (PSD)

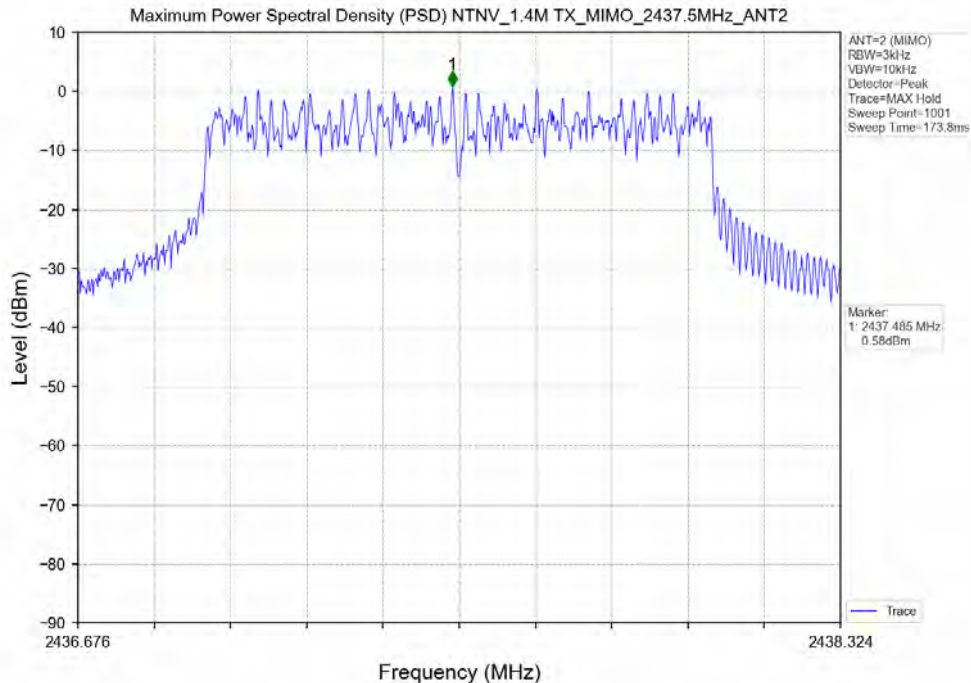
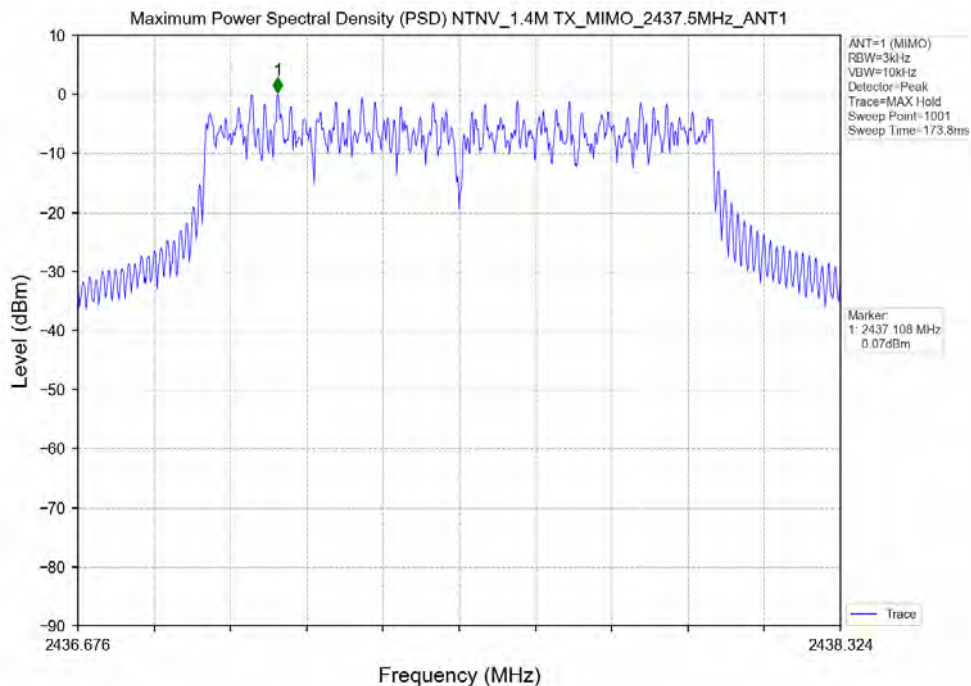
4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
1.4M TX	2403.5	MIMO	-0.66	-0.77	0.26	≤8	PASS
	2437.5	MIMO	0.07	0.58	1.41	≤8	PASS
	2469.5	MIMO	0.02	0.45	1.18	≤8	PASS
1.4M_CA TX	2405.12	MIMO	0.17	-0.68	0.86	≤8	PASS
	2437.12	MIMO	0.44	0.42	1.32	≤8	PASS
	2471.12	MIMO	-0.25	-0.08	0.72	≤8	PASS
3M TX	2408.5	MIMO	-3.27	-2.73	-1.98	≤8	PASS
	2438.5	MIMO	-3.24	-2.31	-1.68	≤8	PASS
	2465.5	MIMO	-3.75	-2.52	-1.92	≤8	PASS
3M_CA TX	2411.2	MIMO	-3.57	-2.95	-2.23	≤8	PASS
	2438.2	MIMO	-2.79	-1.77	-1.12	≤8	PASS
	2468.2	MIMO	-3.56	-2.11	-1.56	≤8	PASS

4.2 Test Graph





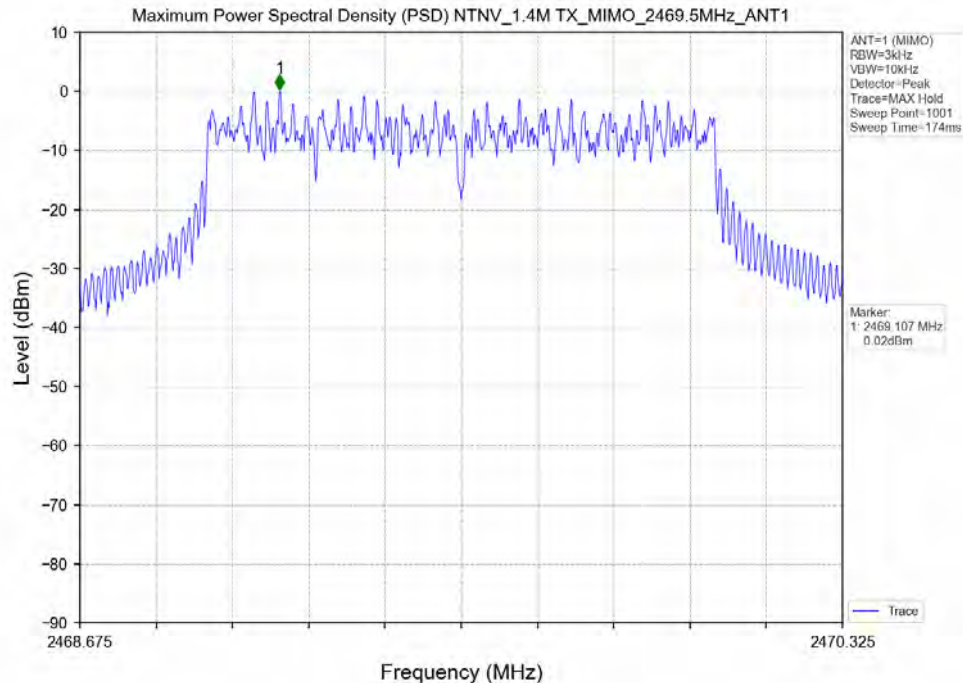
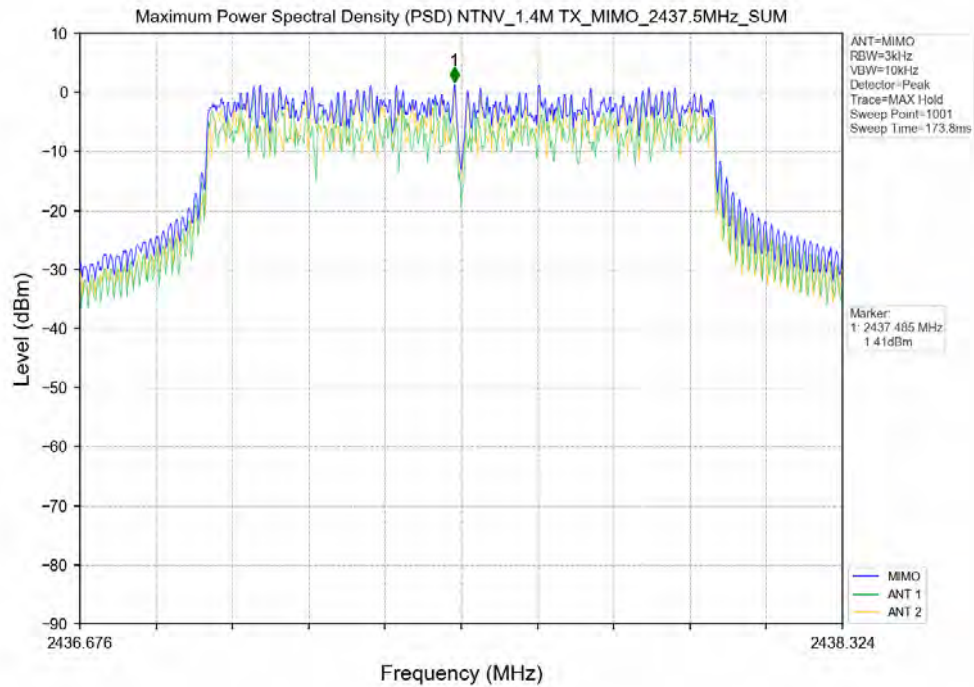


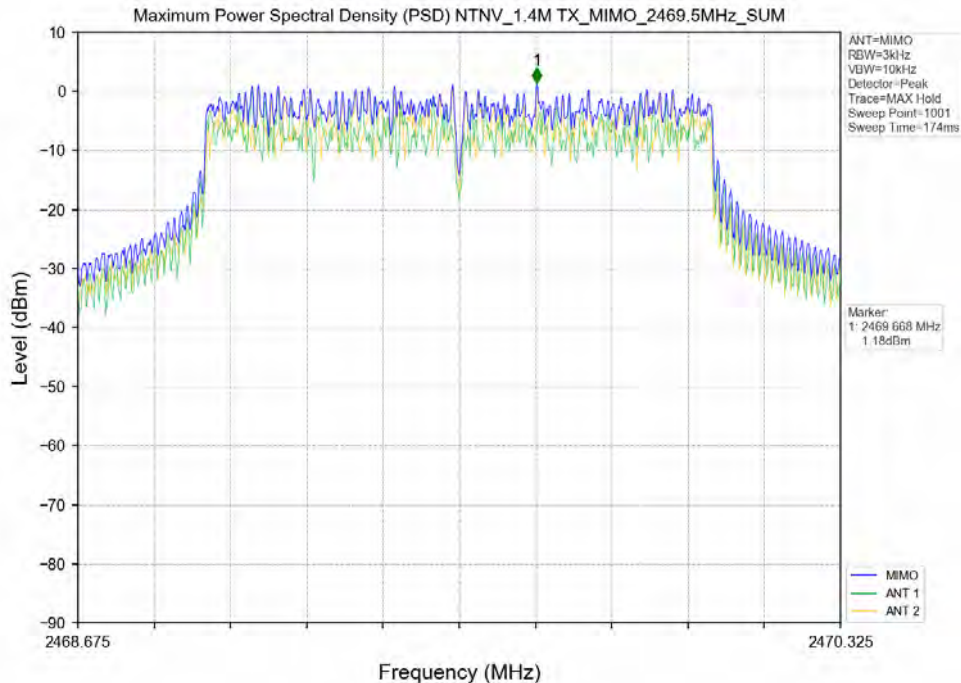
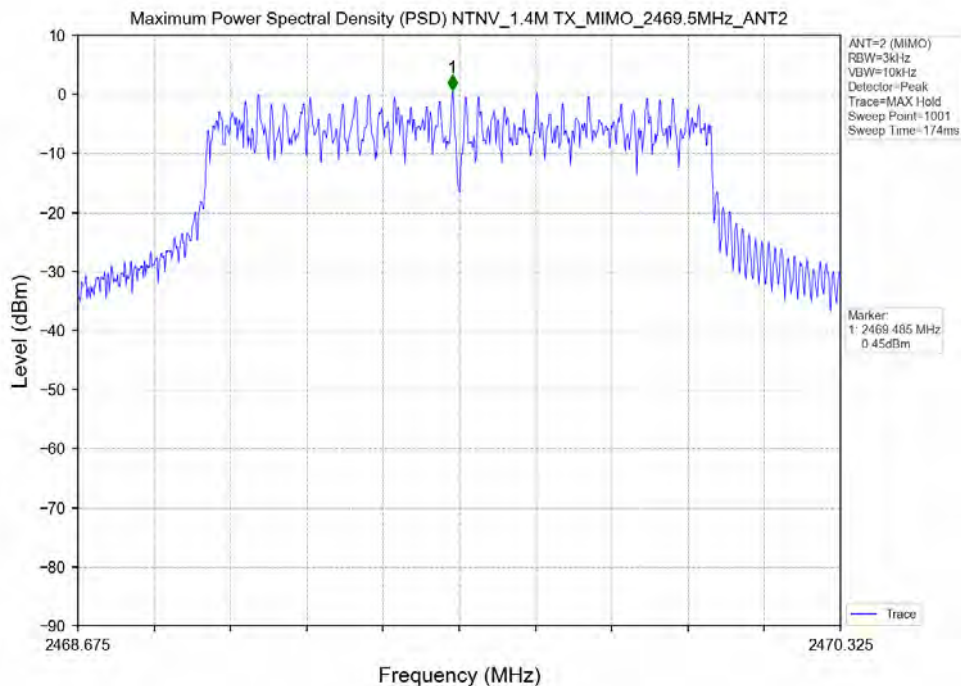
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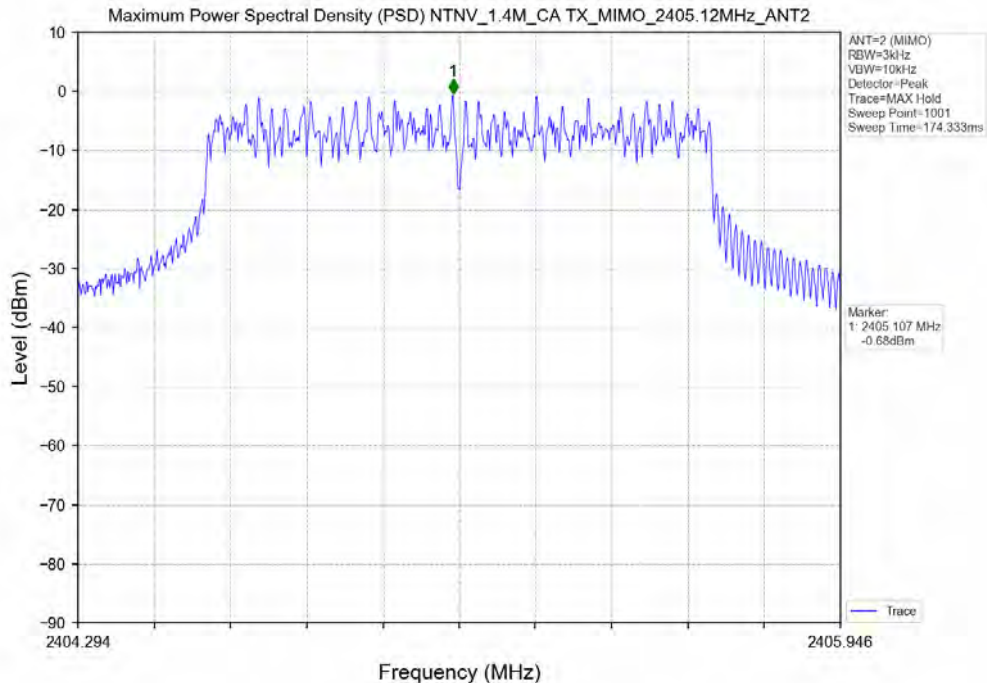
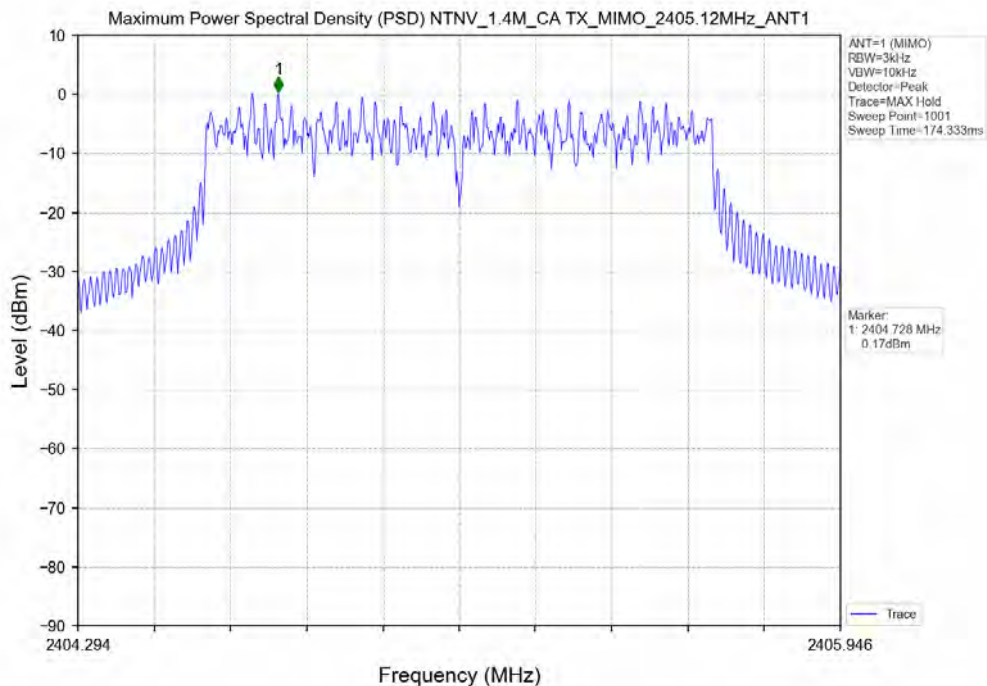
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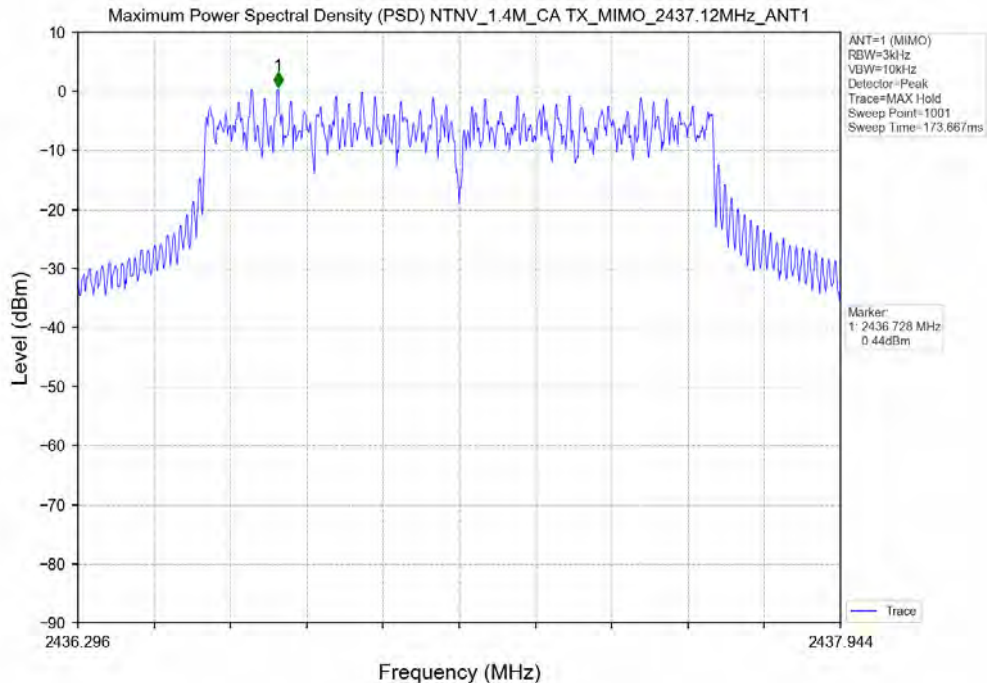
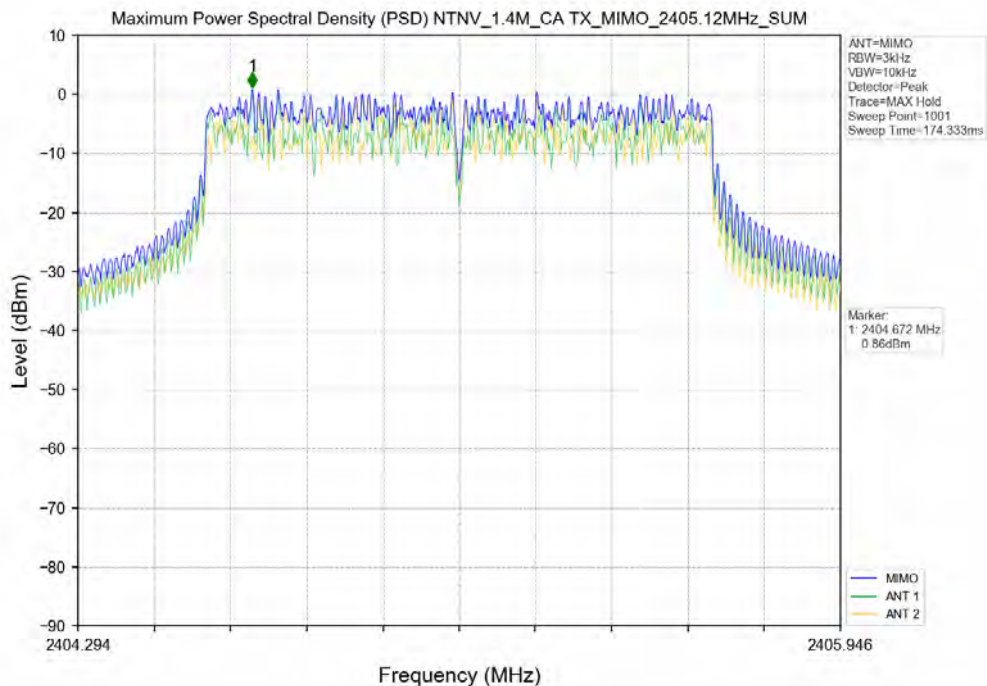
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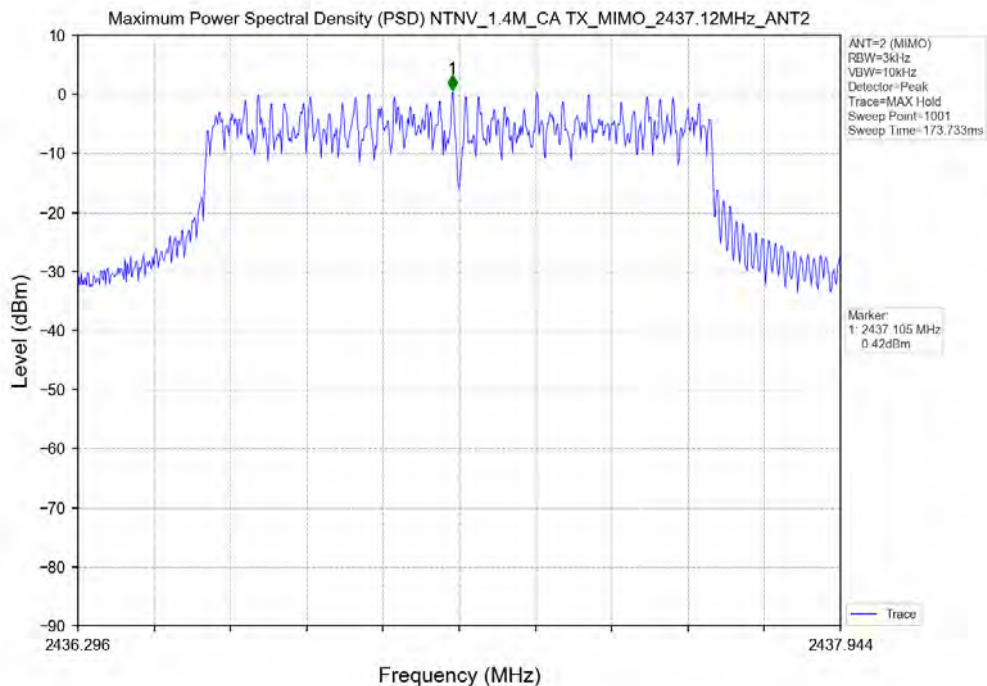
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

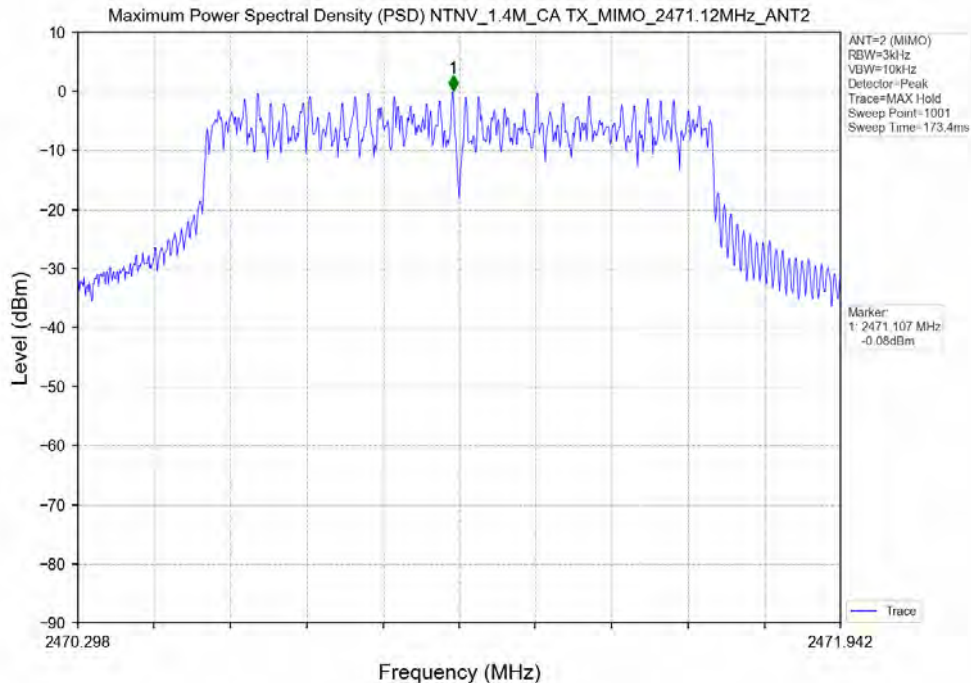
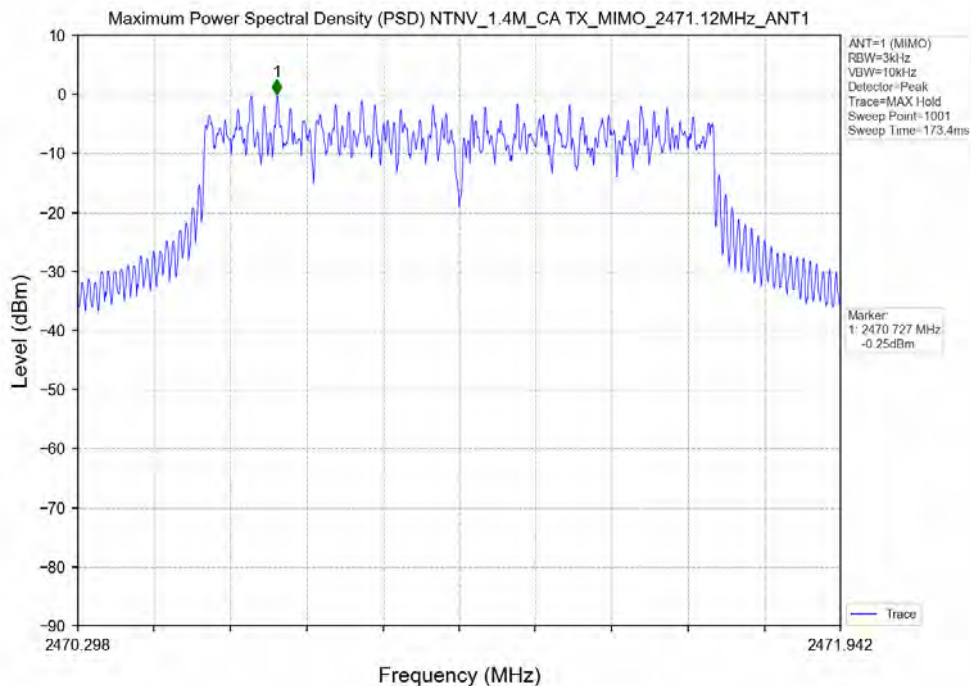










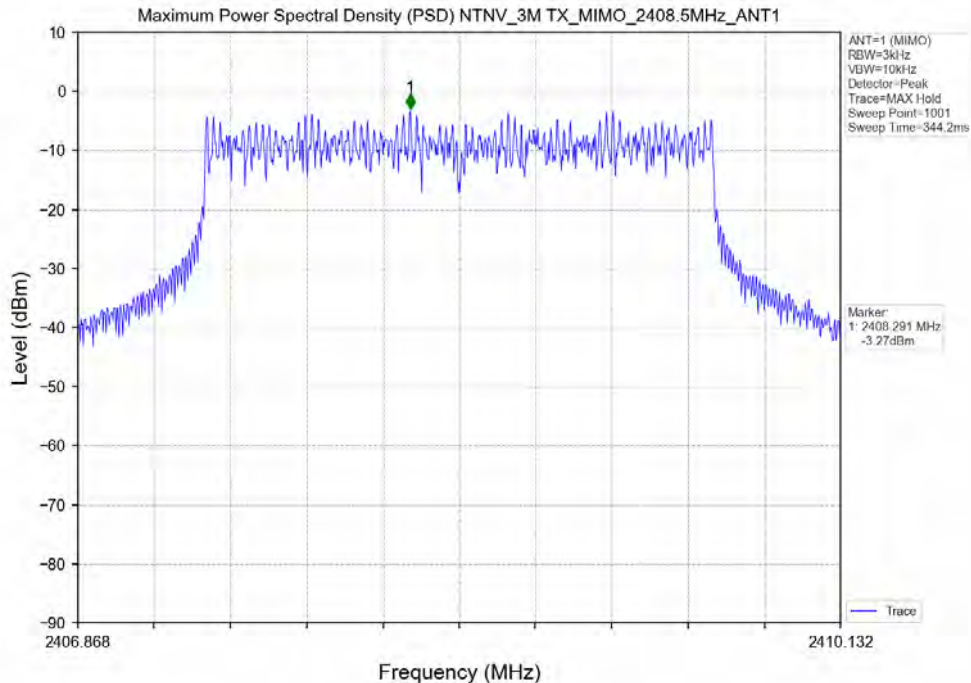
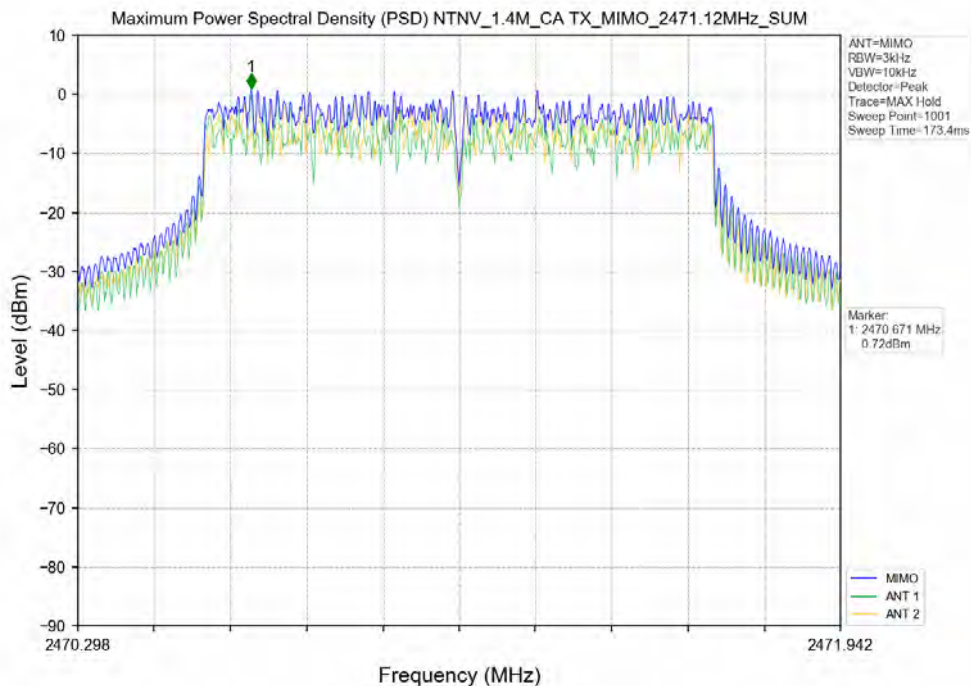


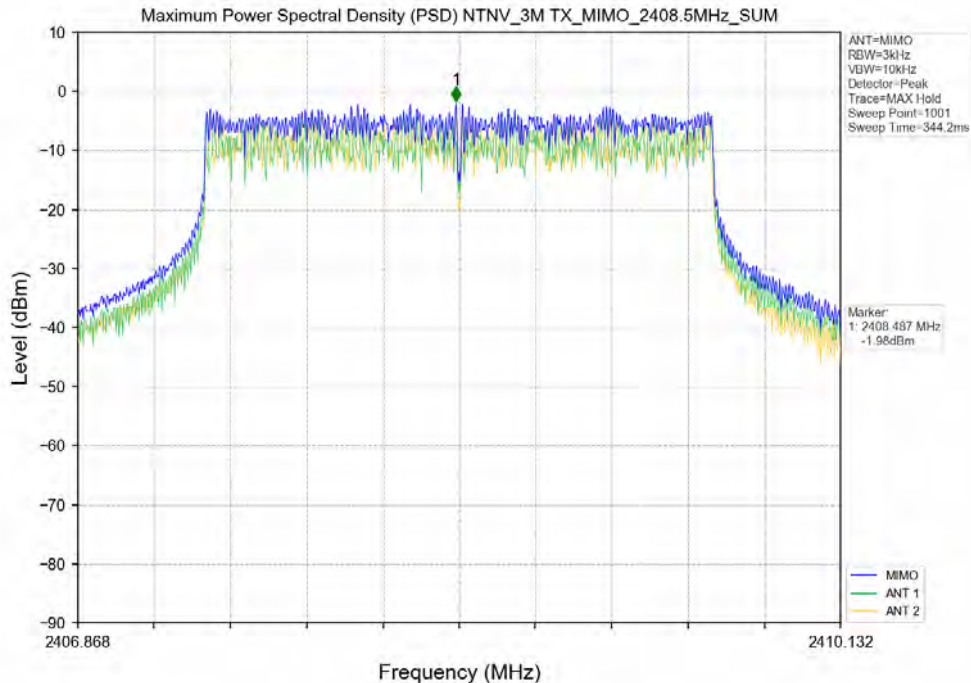
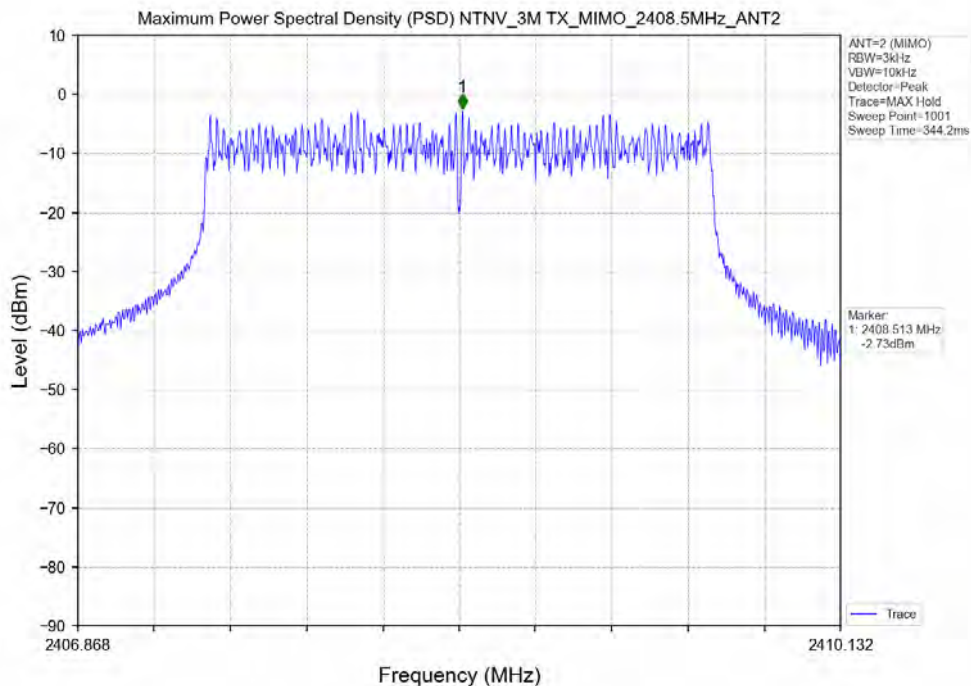
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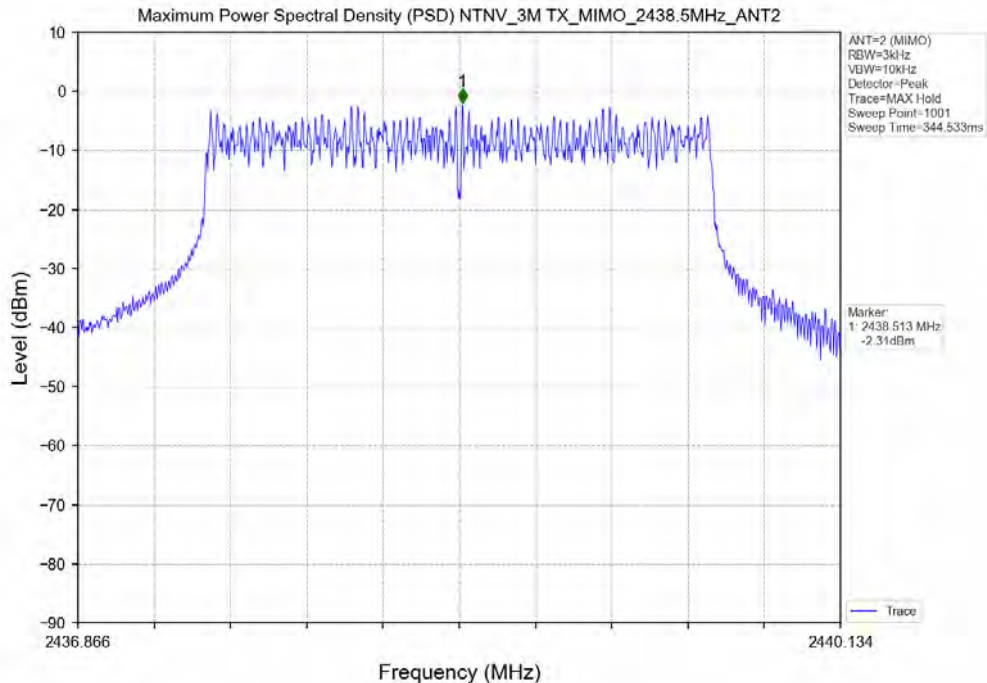
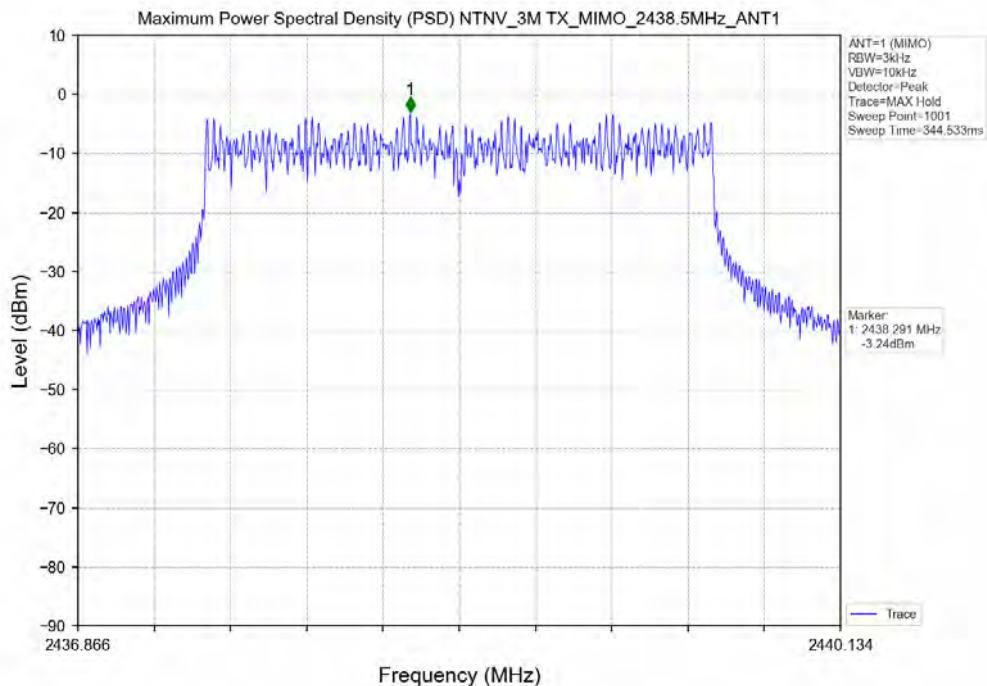
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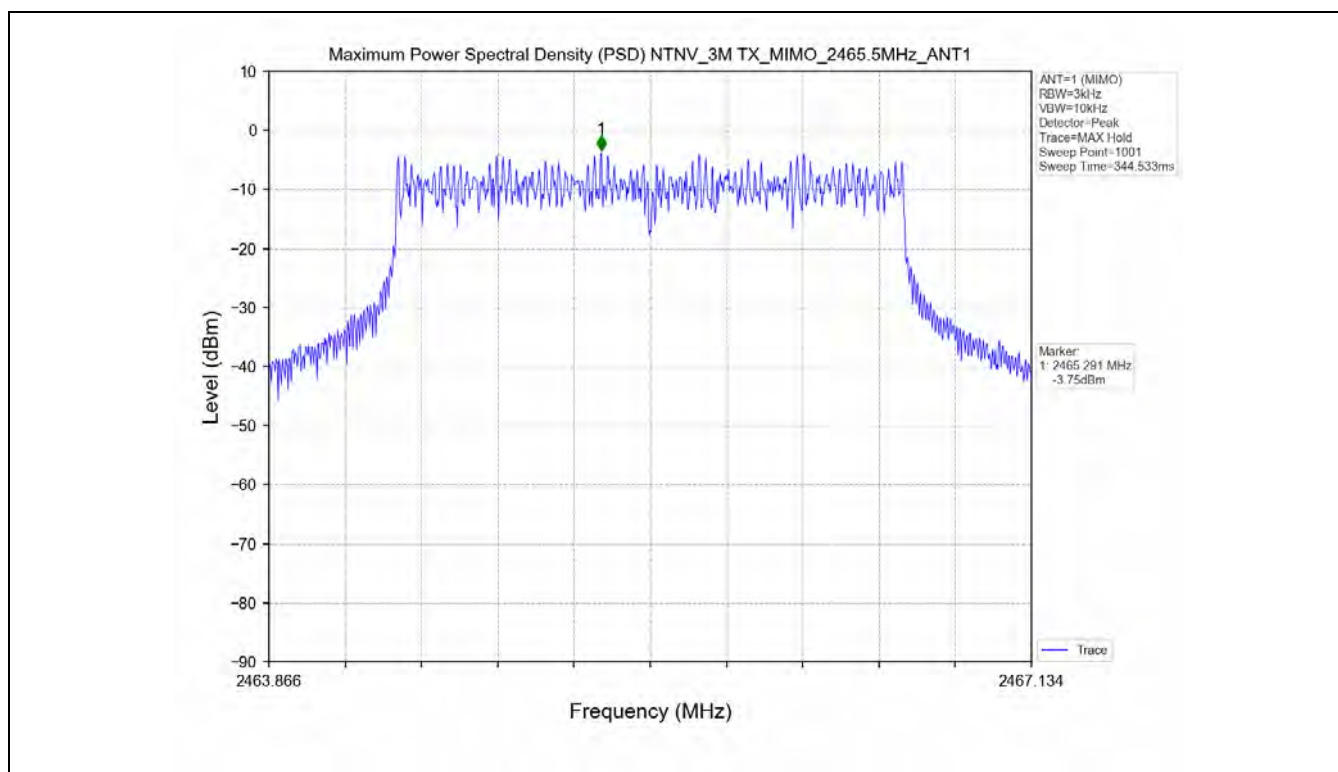
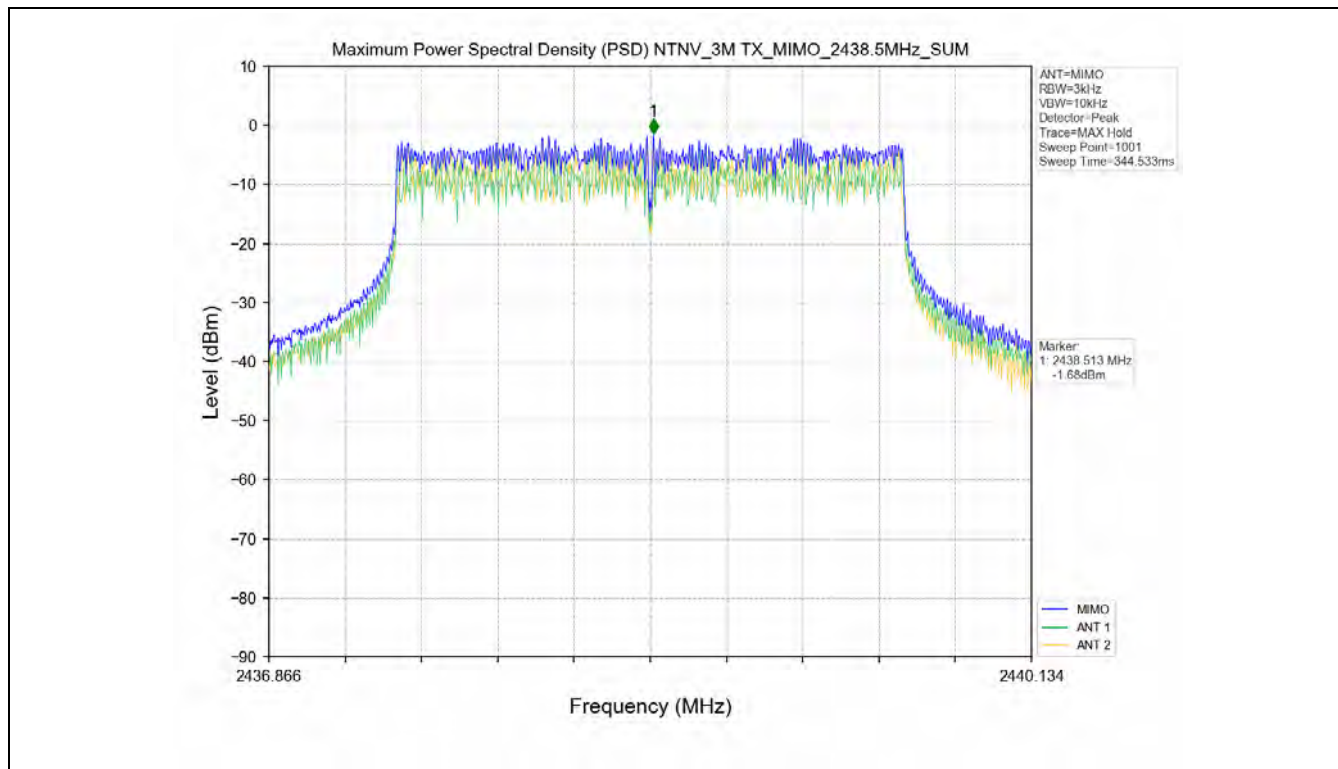
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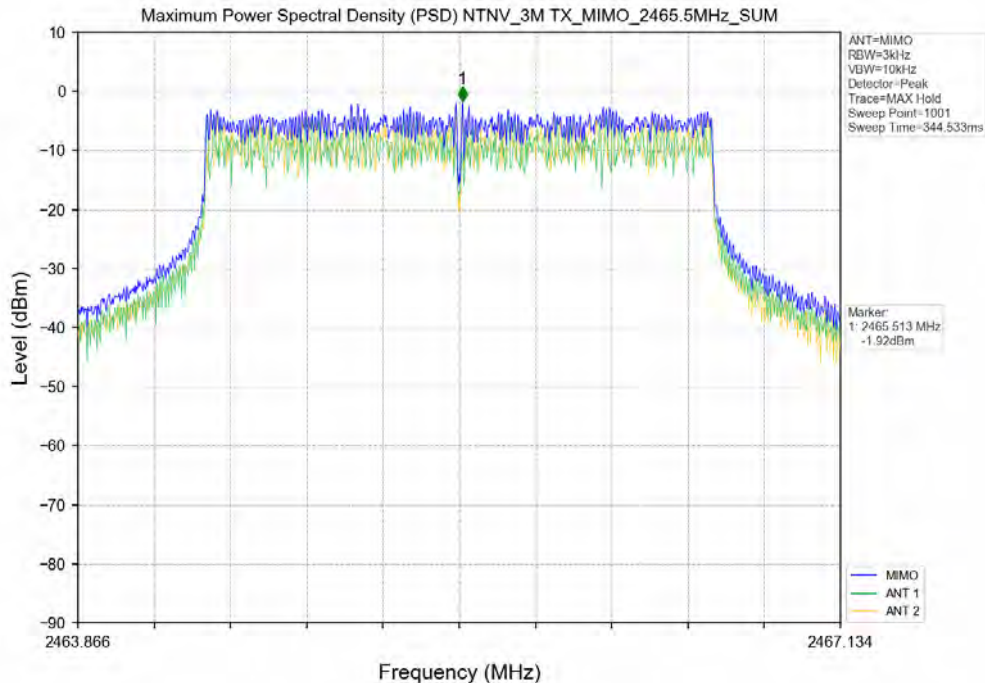
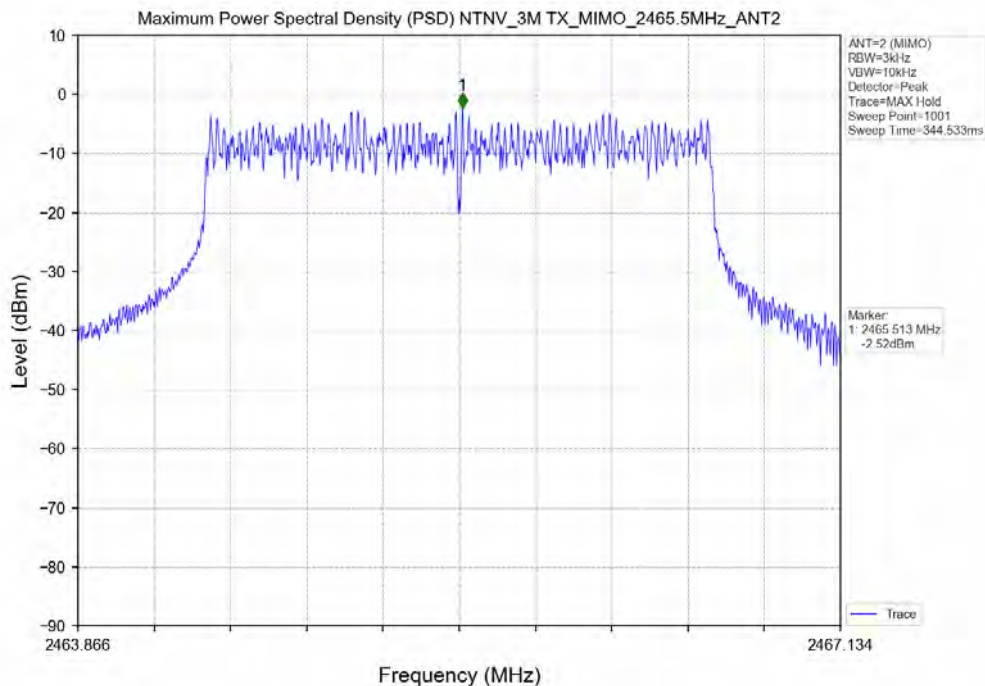
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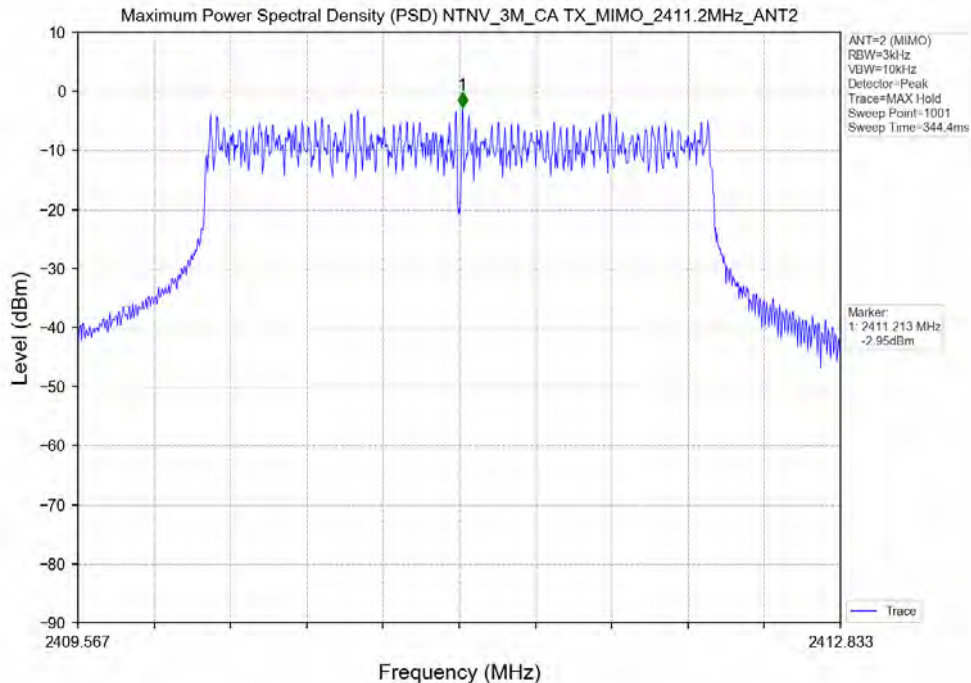
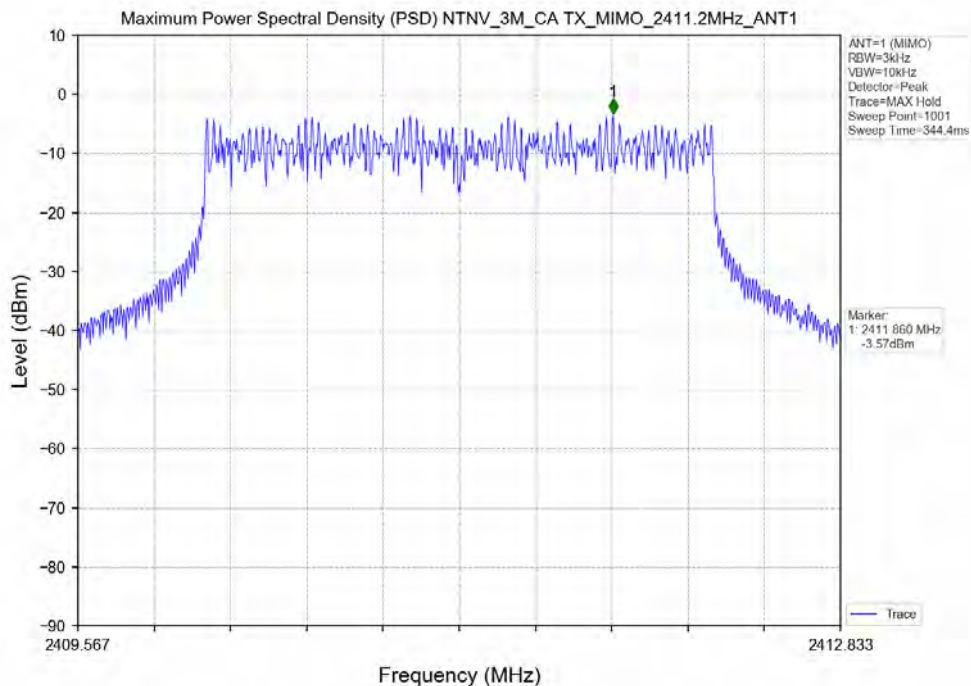


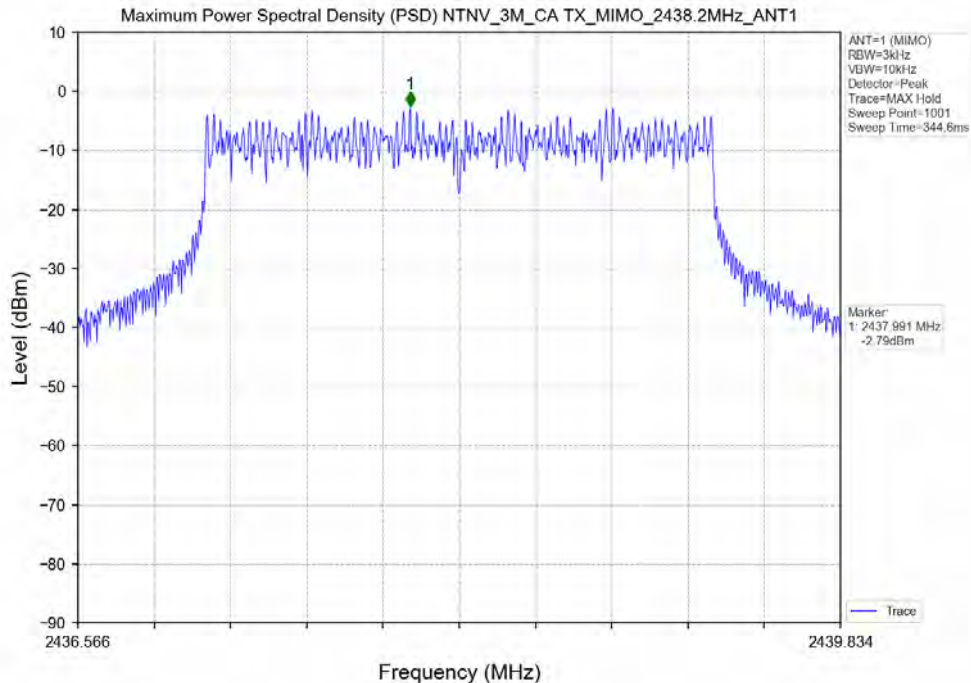
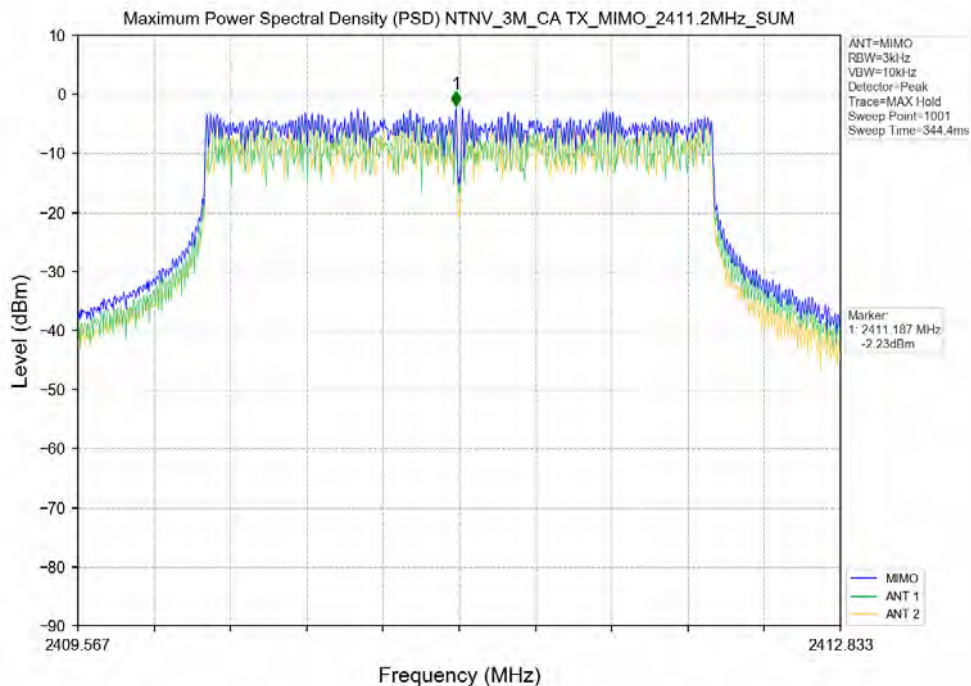
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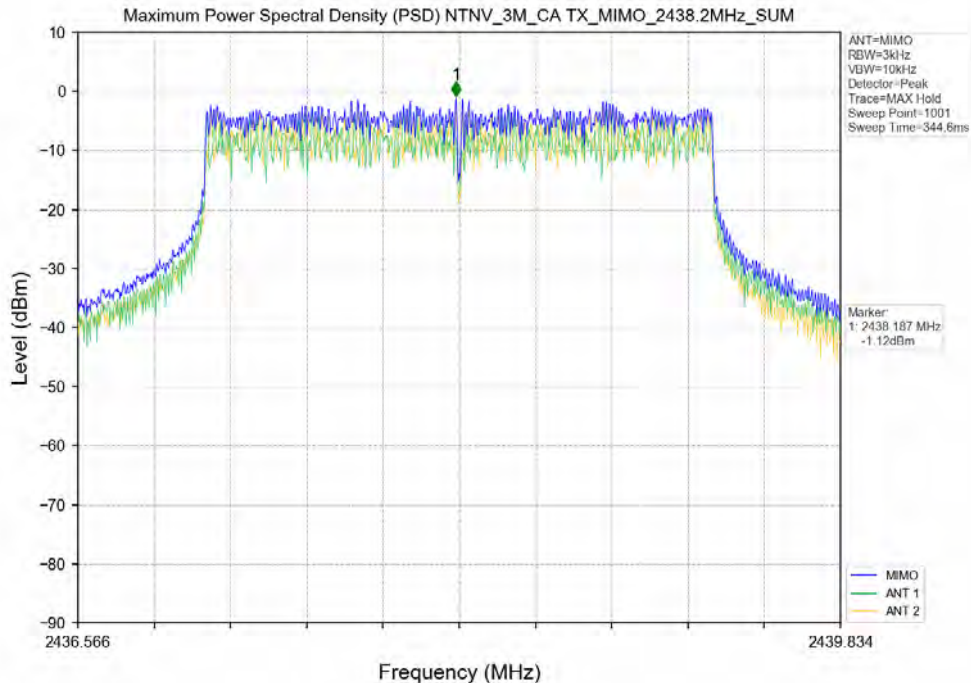
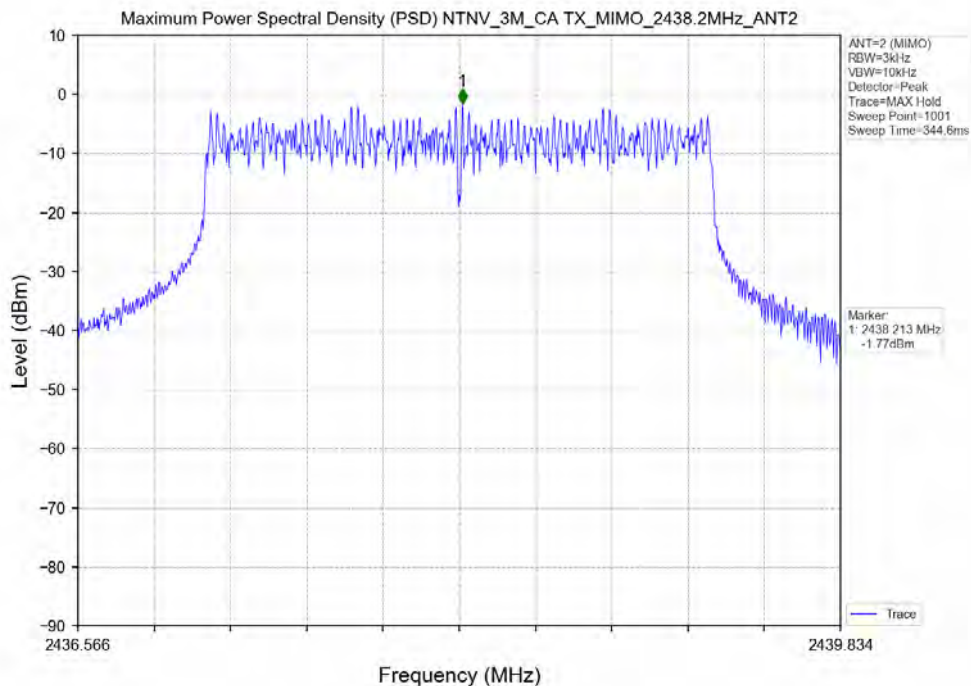
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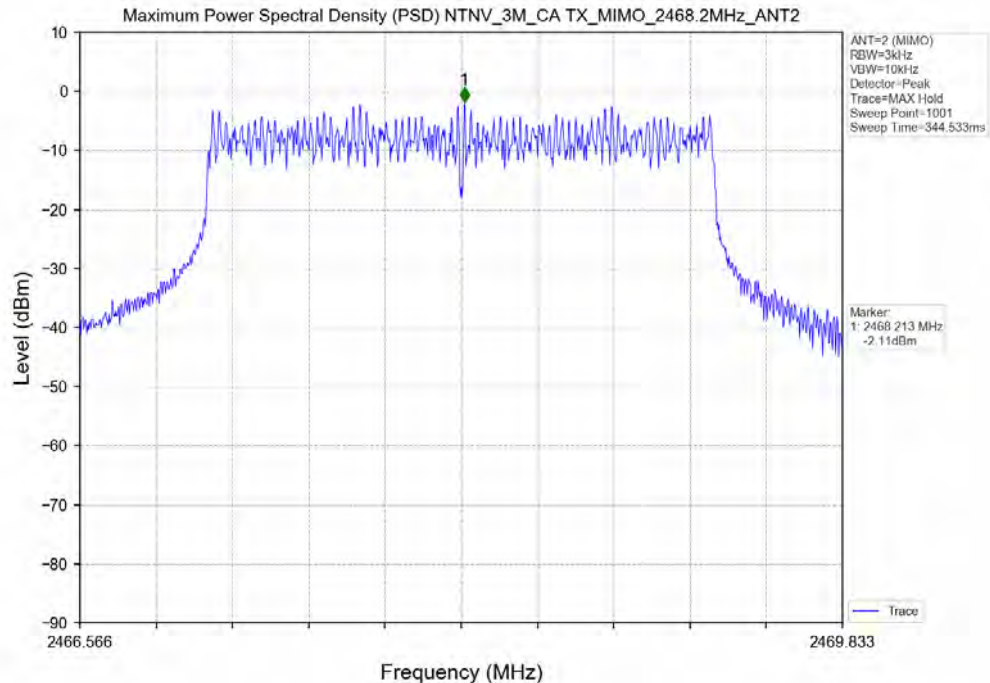
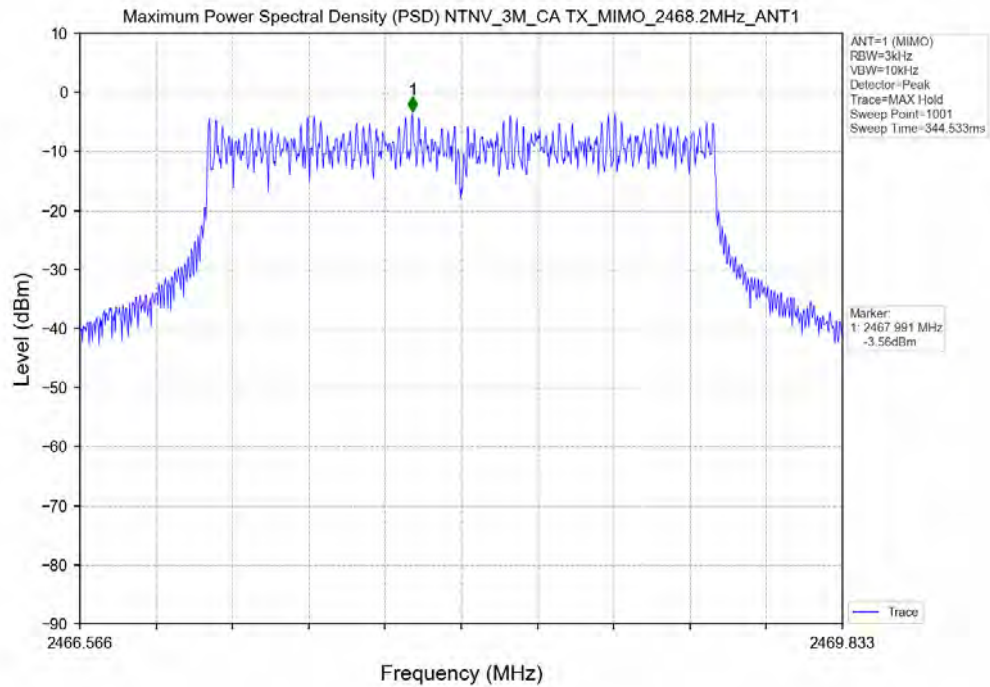
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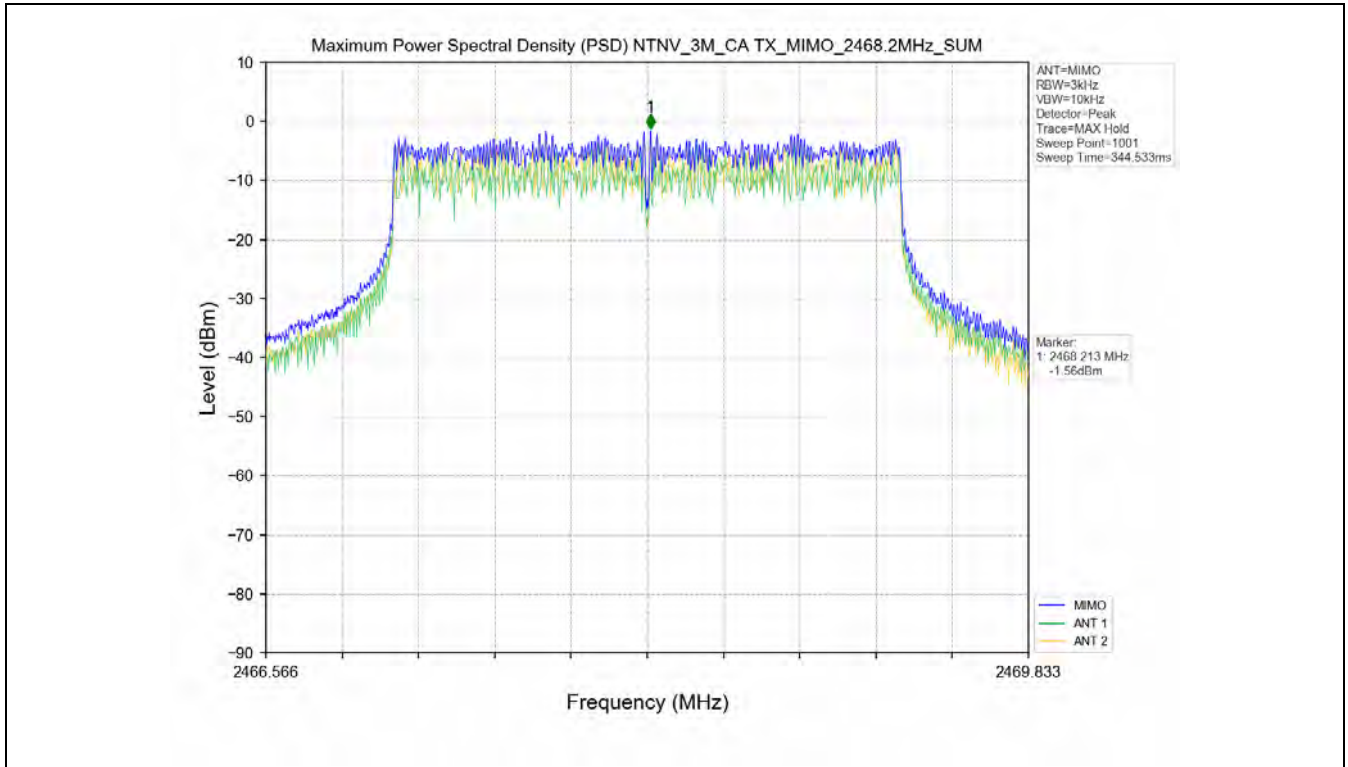
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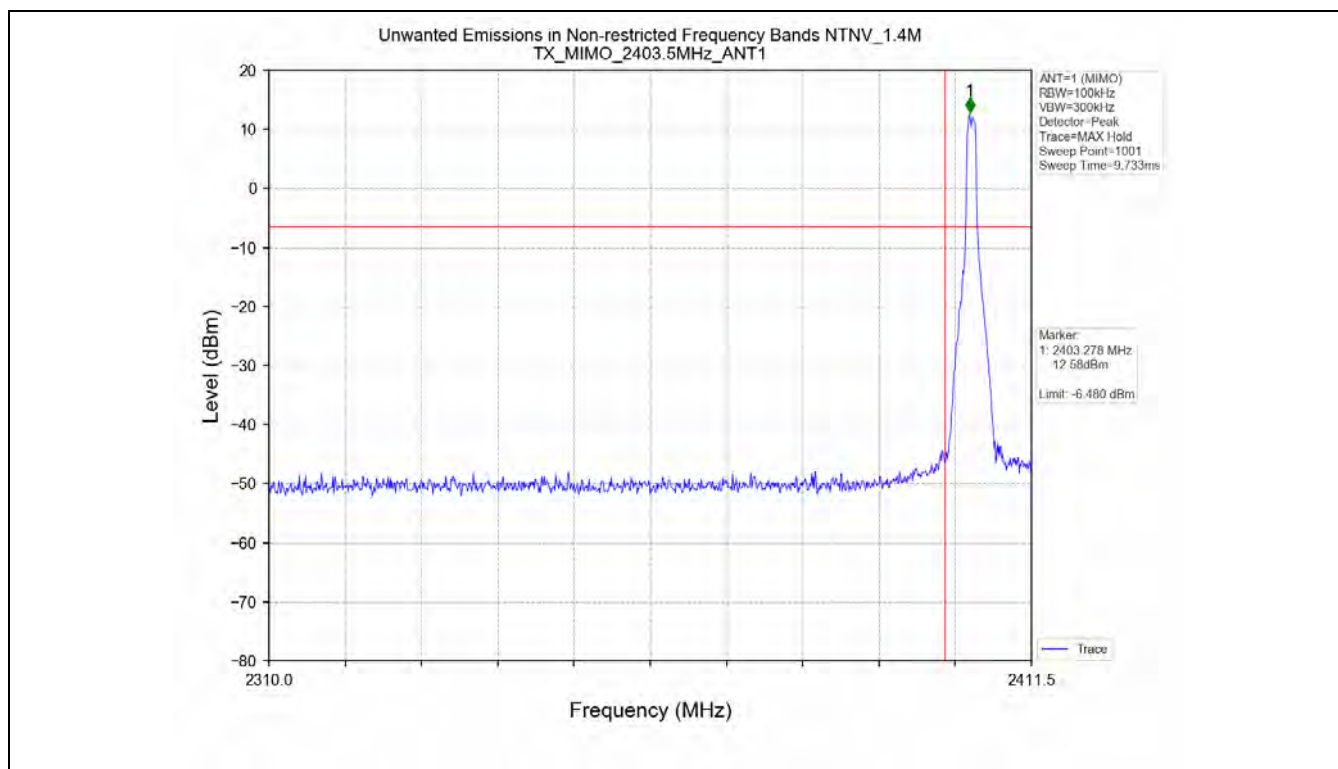
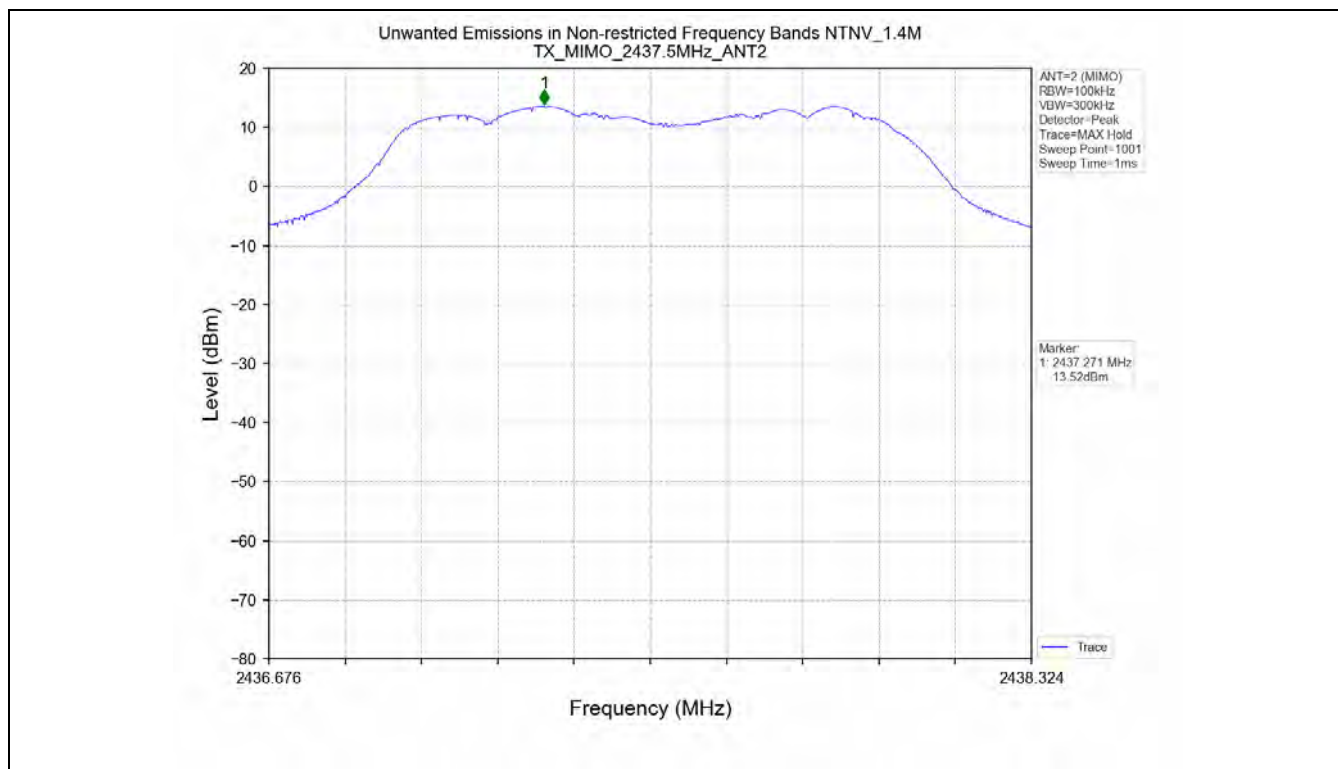


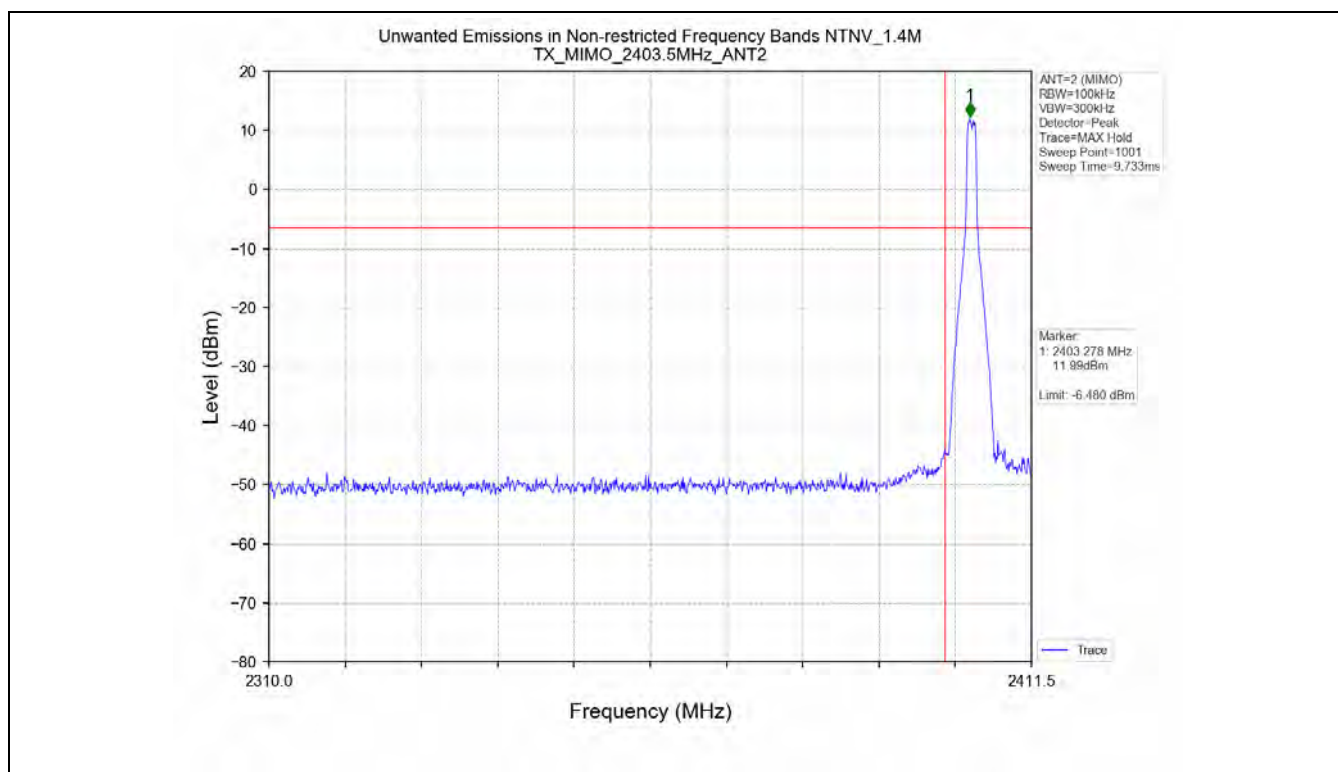
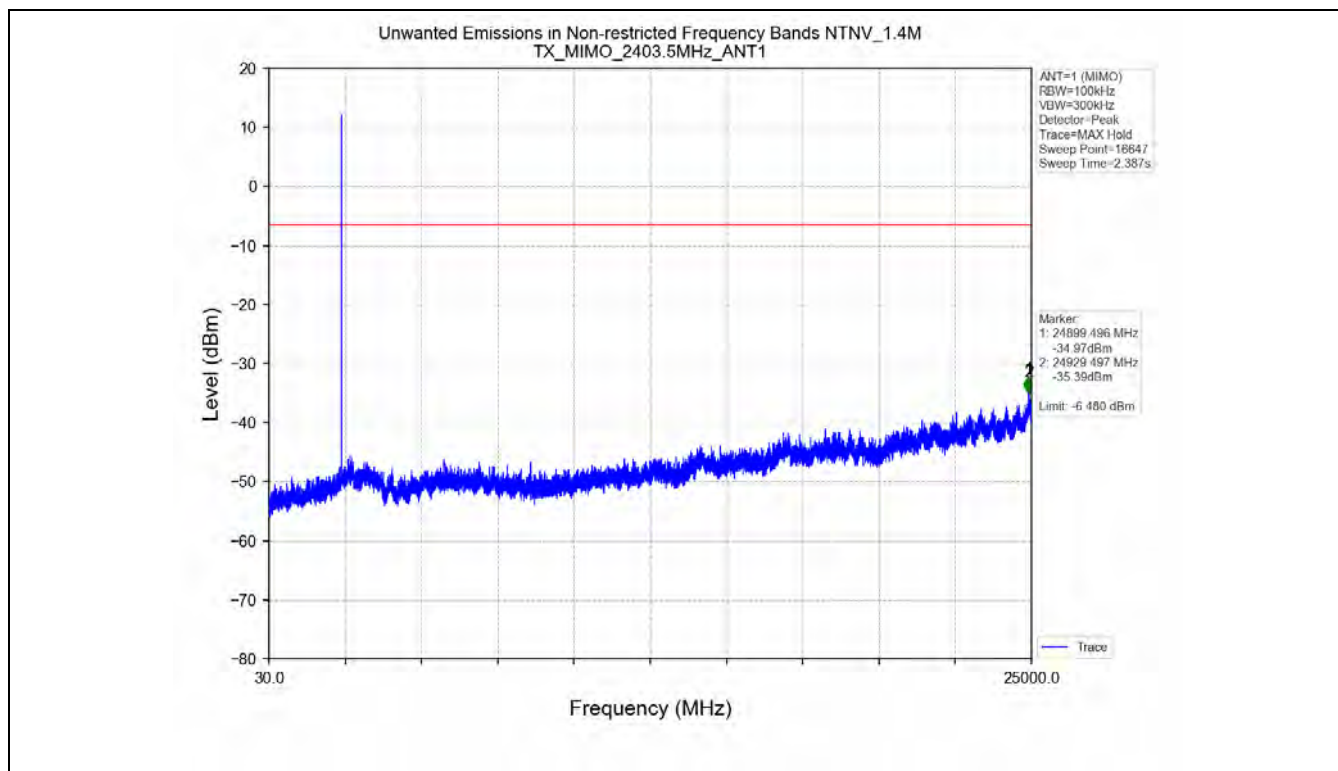
5. Unwanted Emissions in Non-restricted Frequency Bands

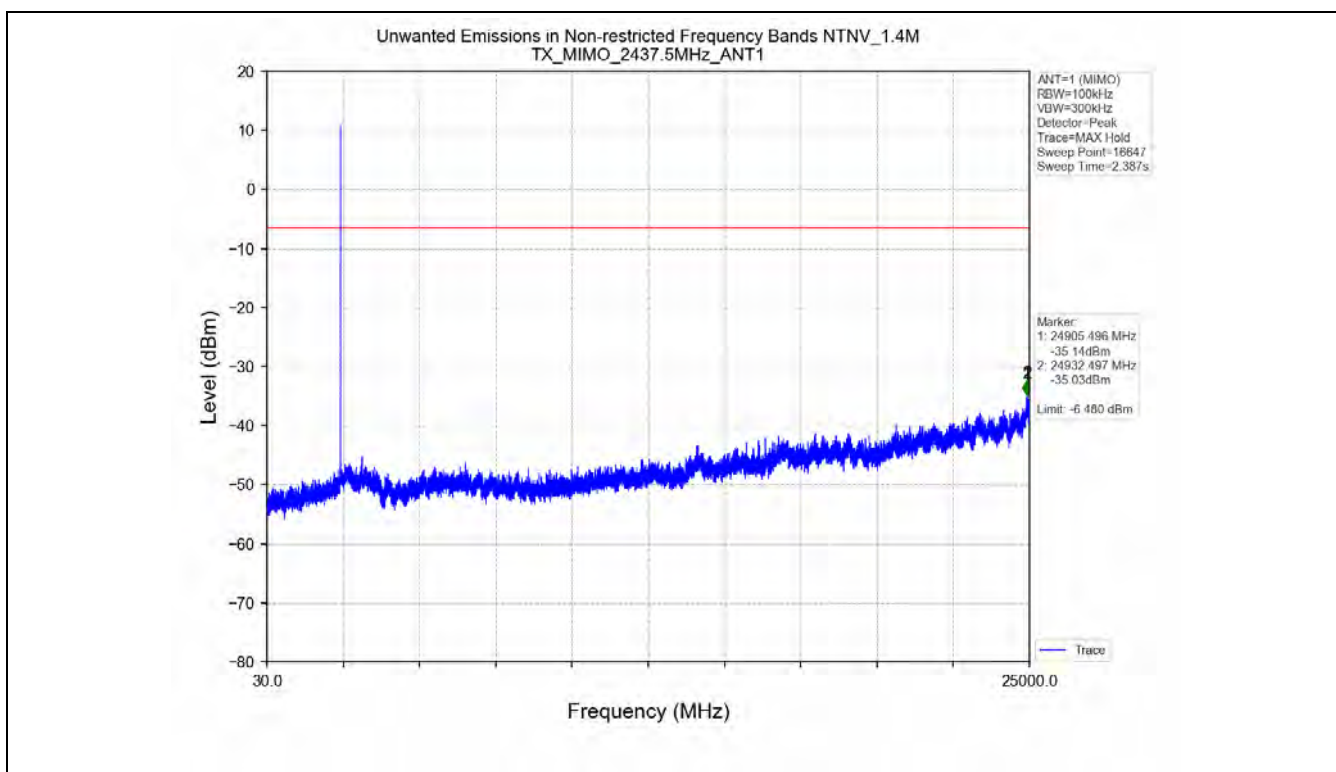
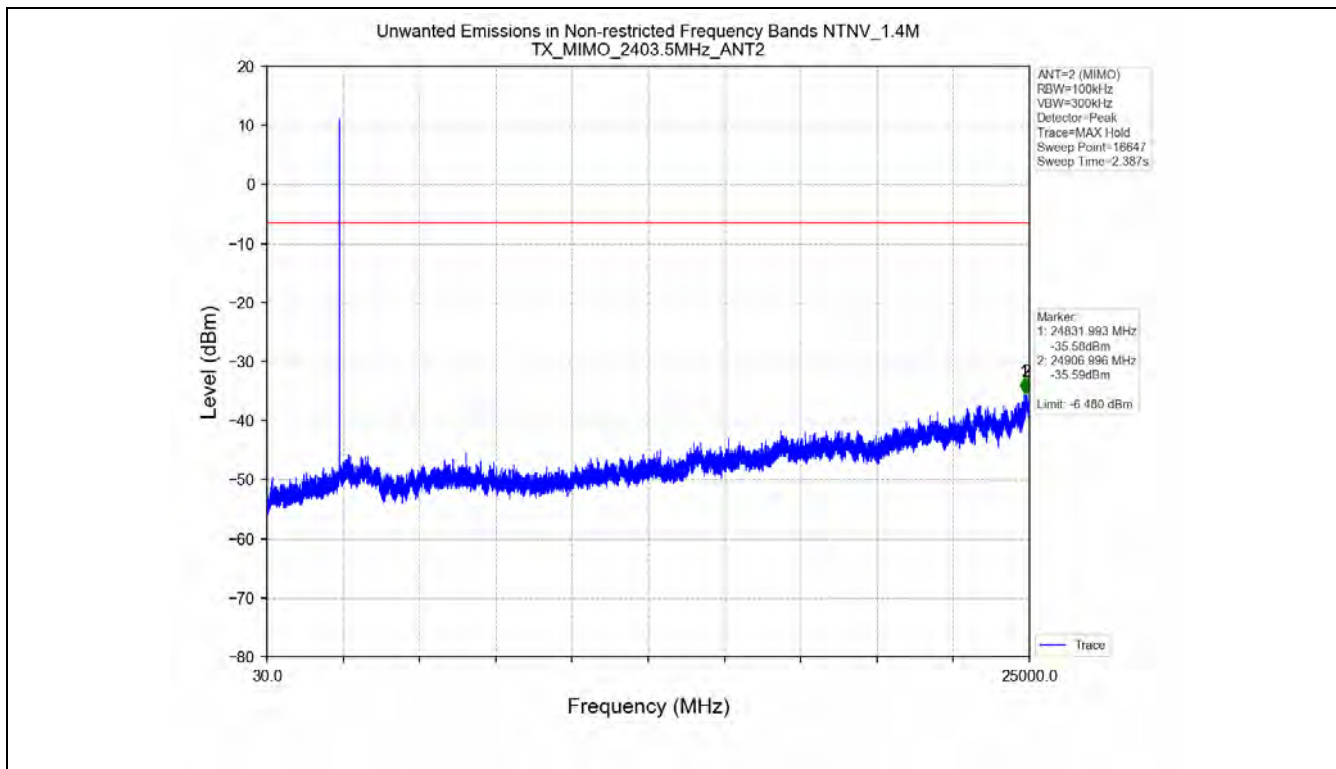
5.1 Test Result

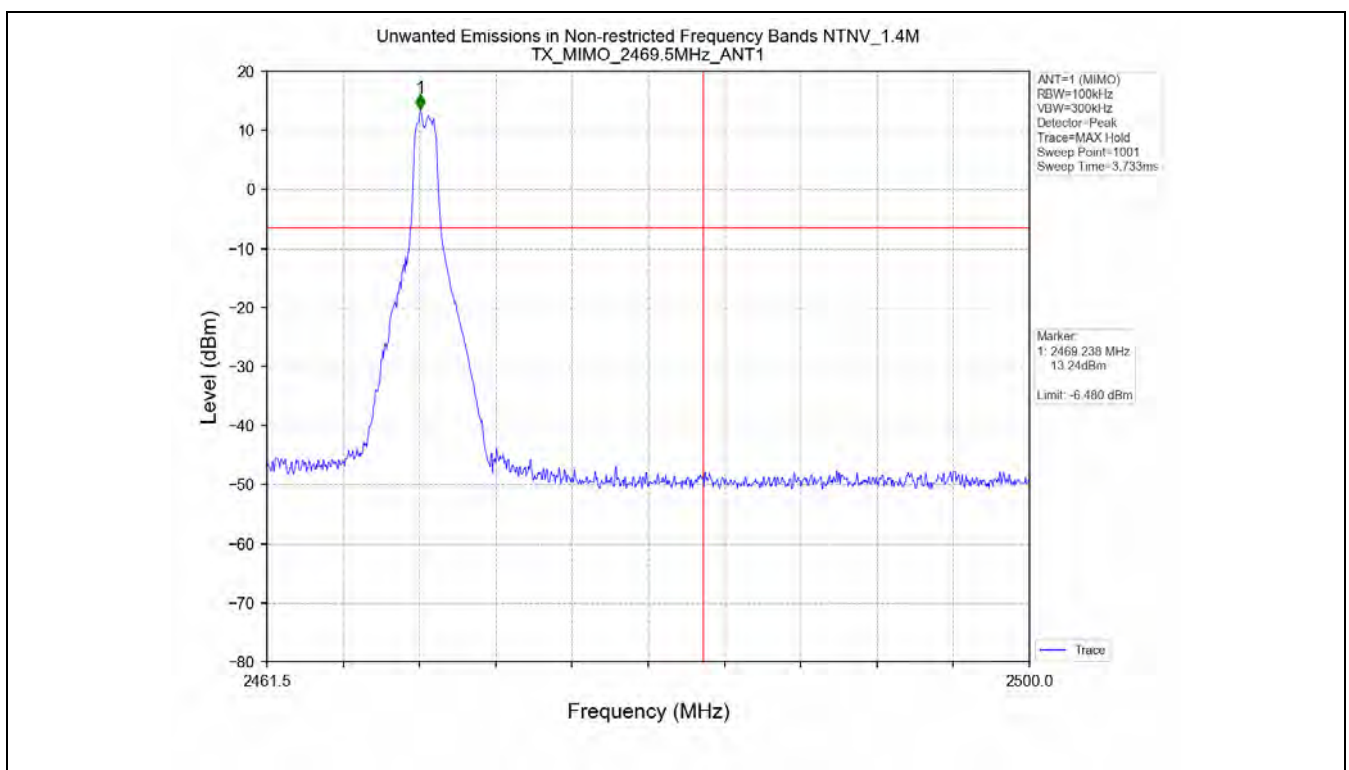
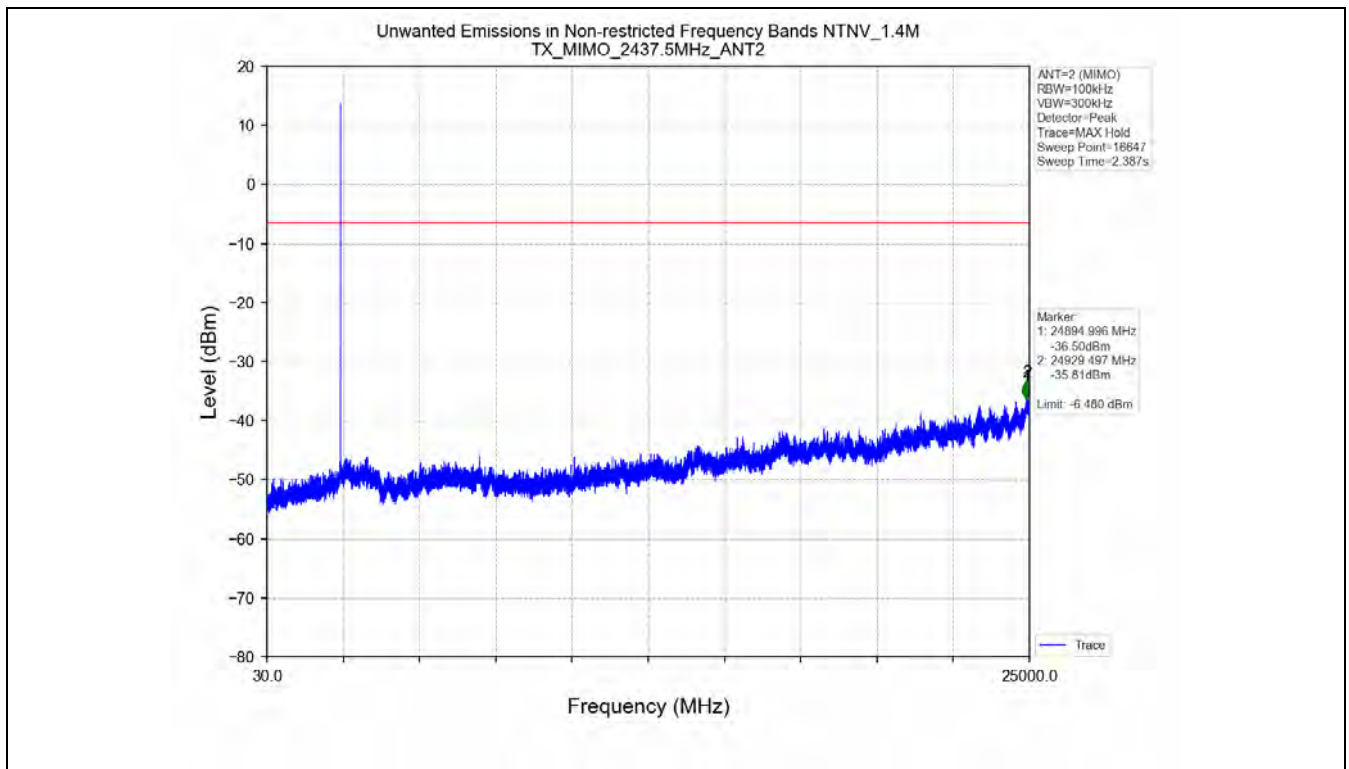
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
1.4M TX	2403.5	MIMO	1+2	Refer to test graph	-6.48	PASS
	2437.5	MIMO	1+2	Refer to test graph	-6.48	PASS
	2469.5	MIMO	1+2	Refer to test graph	-6.48	PASS
1.4M_CA TX	2405.12	MIMO	1+2	Refer to test graph	-6.59	PASS
	2437.12	MIMO	1+2	Refer to test graph	-6.59	PASS
	2471.12	MIMO	1+2	Refer to test graph	-6.59	PASS
3M TX	2408.5	MIMO	1+2	Refer to test graph	-8.94	PASS
	2438.5	MIMO	1+2	Refer to test graph	-8.94	PASS
	2465.5	MIMO	1+2	Refer to test graph	-8.94	PASS
3M_CA TX	2411.2	MIMO	1+2	Refer to test graph	-8.50	PASS
	2438.2	MIMO	1+2	Refer to test graph	-8.50	PASS
	2468.2	MIMO	1+2	Refer to test graph	-8.50	PASS

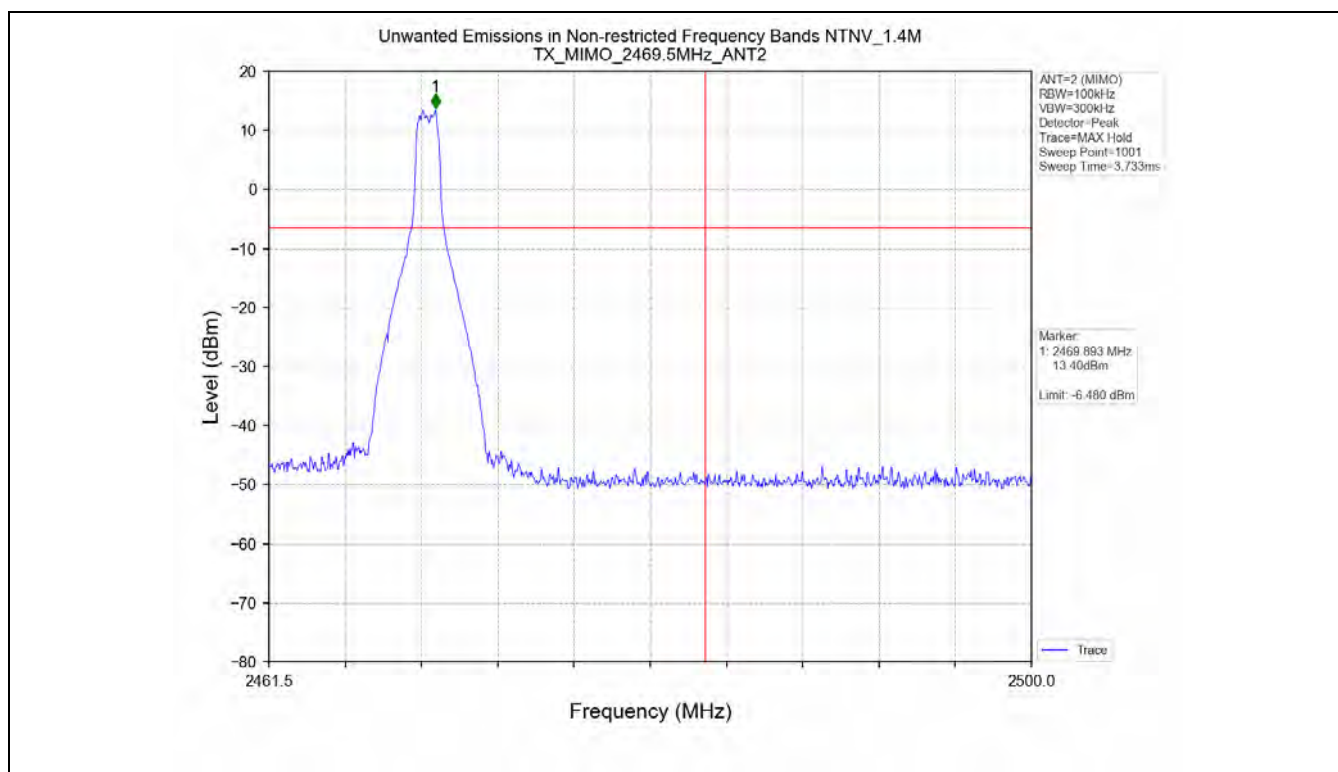
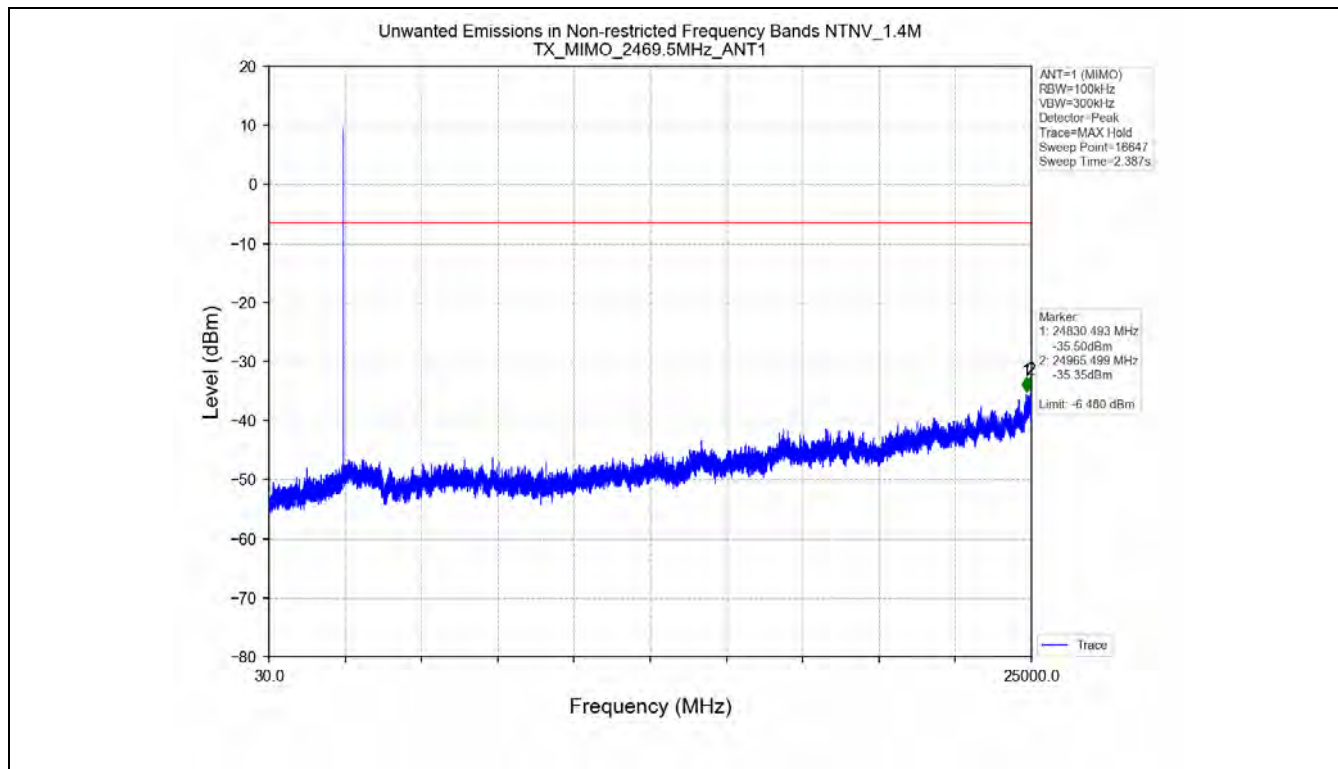
5.2 Test Graph

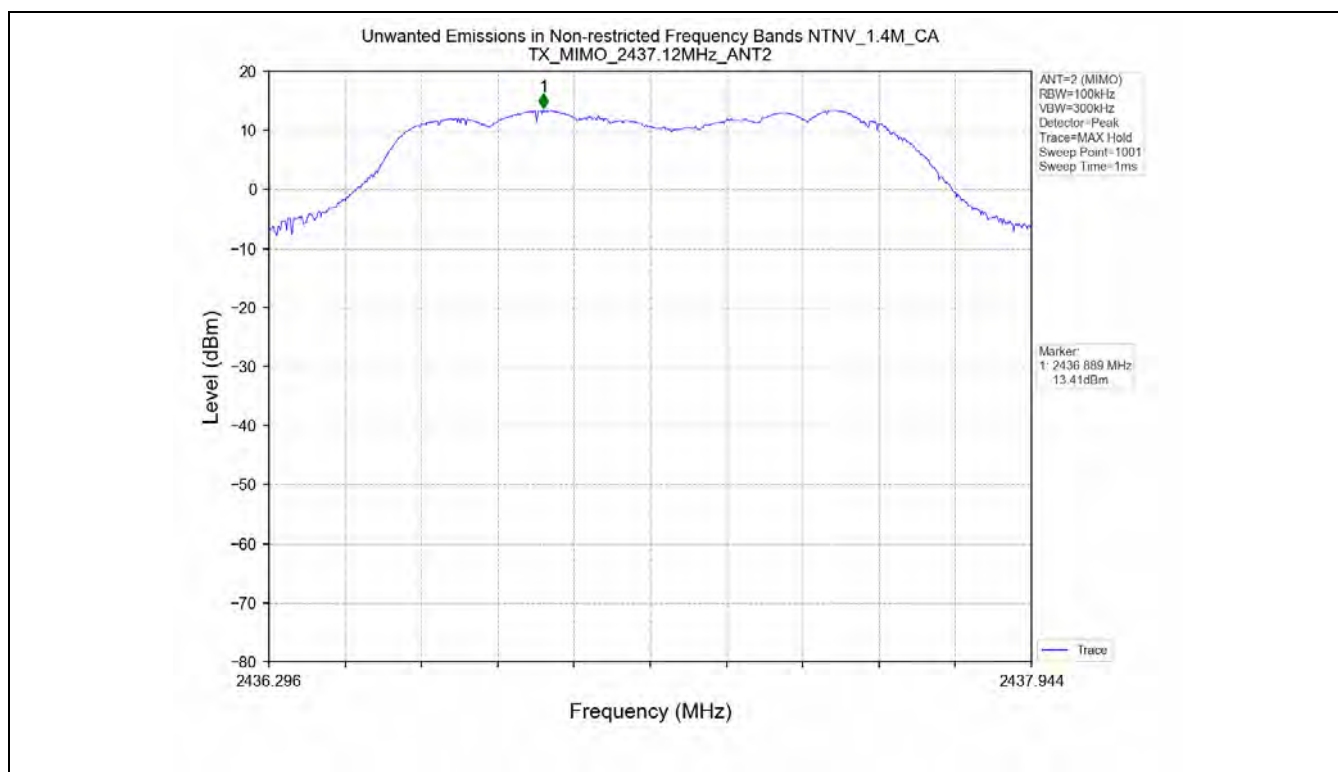
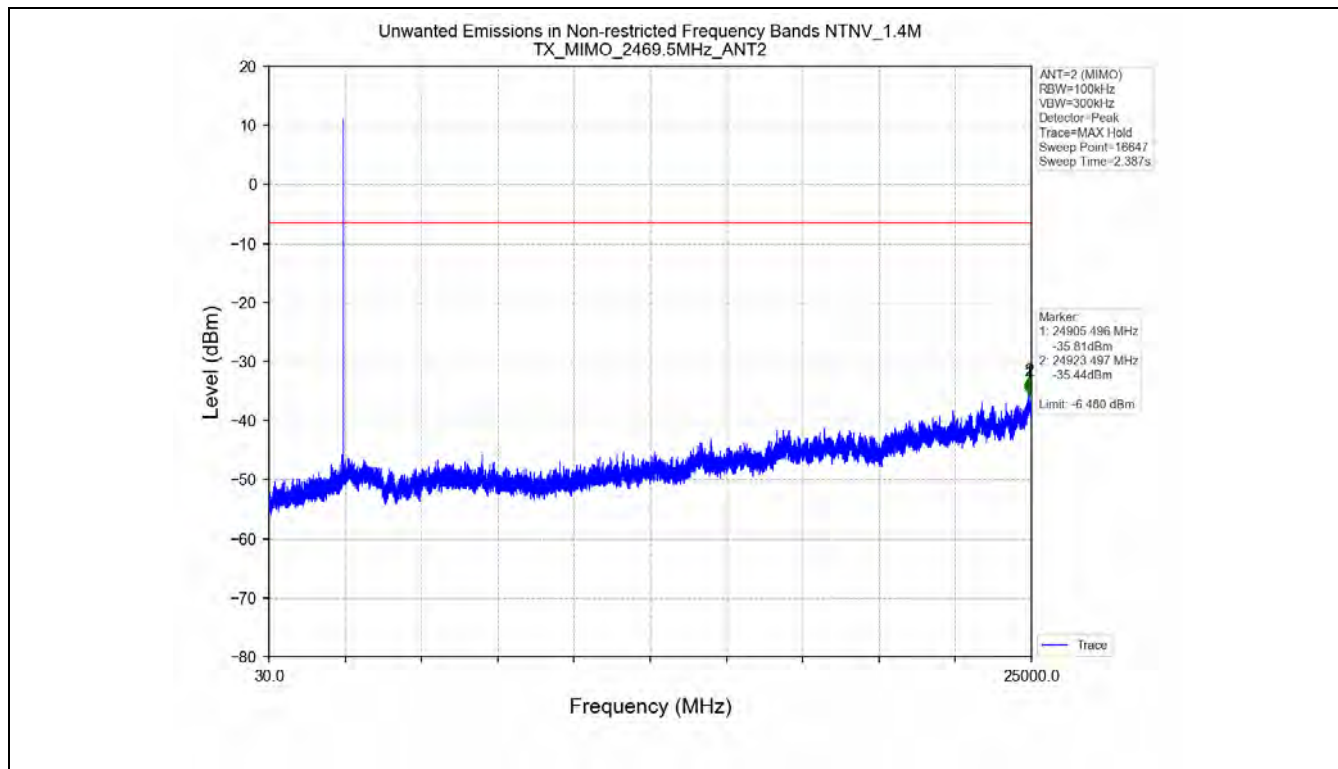


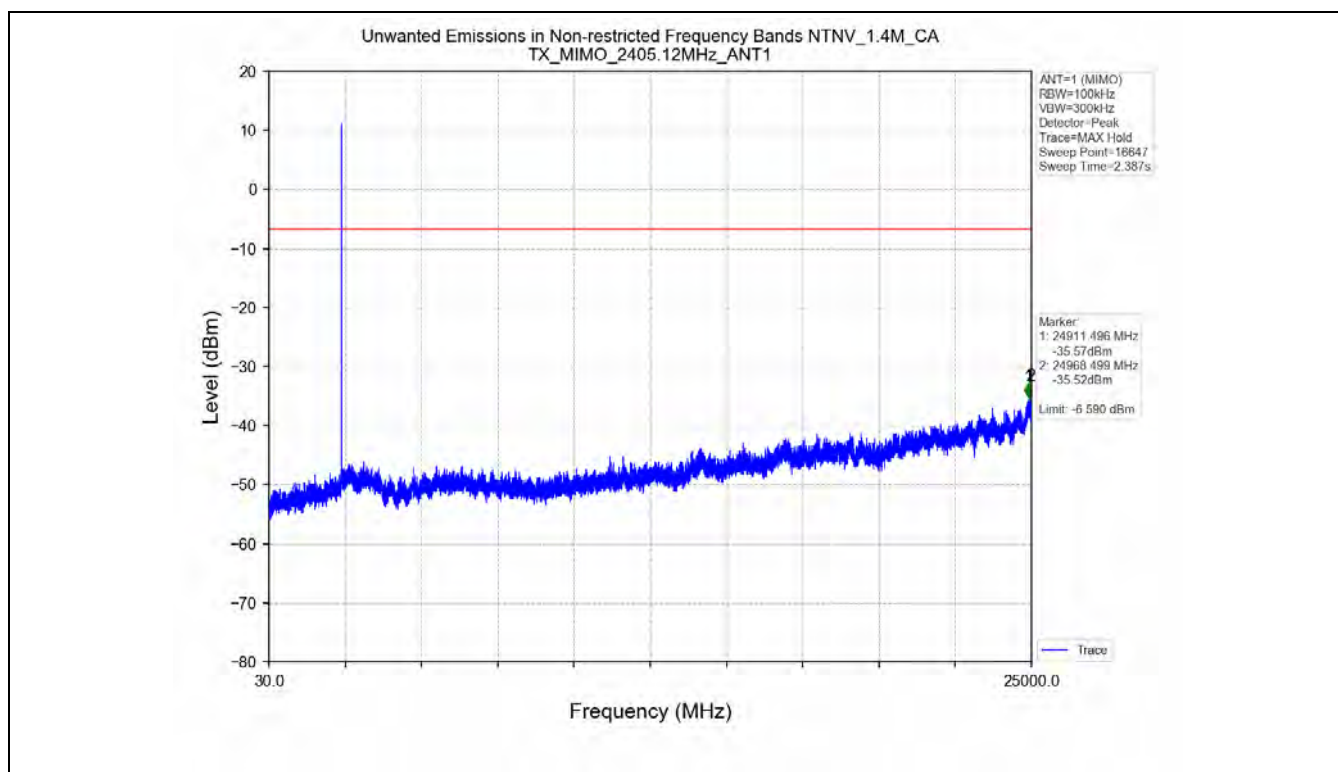
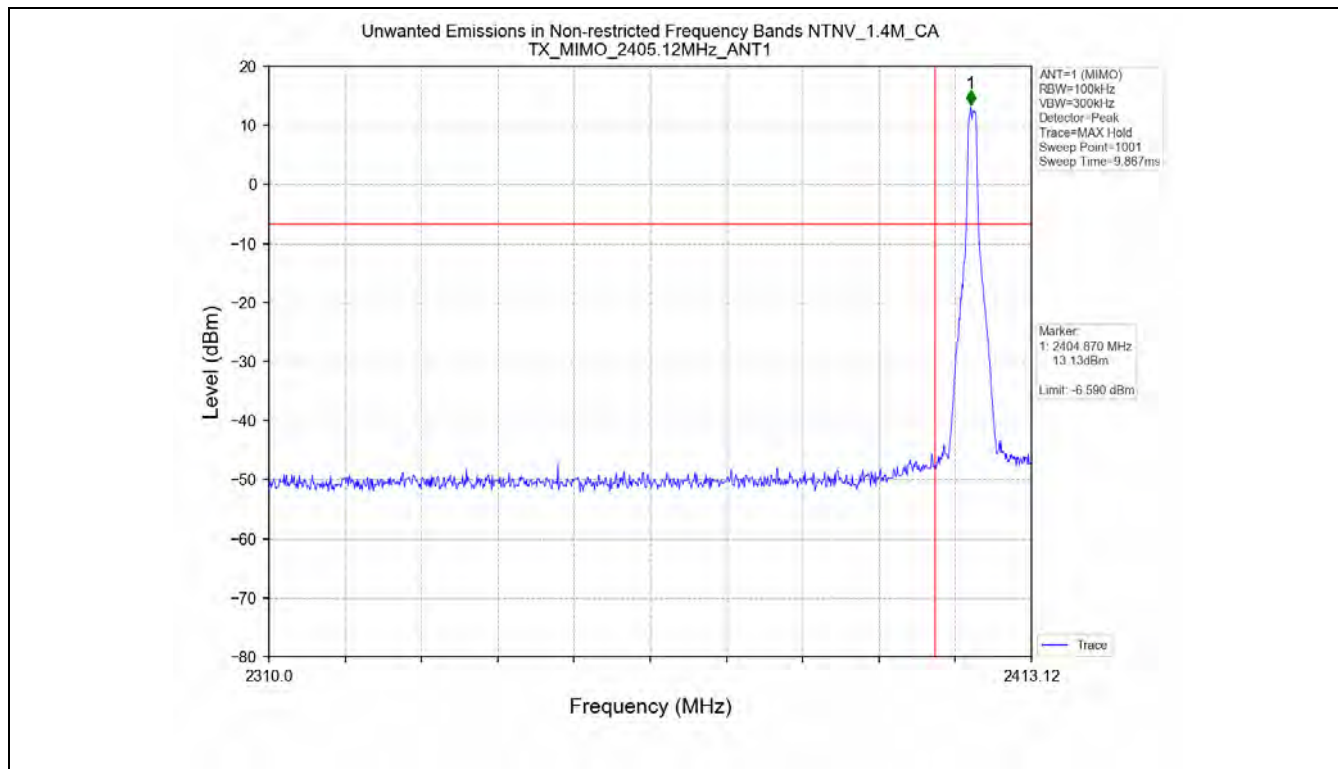


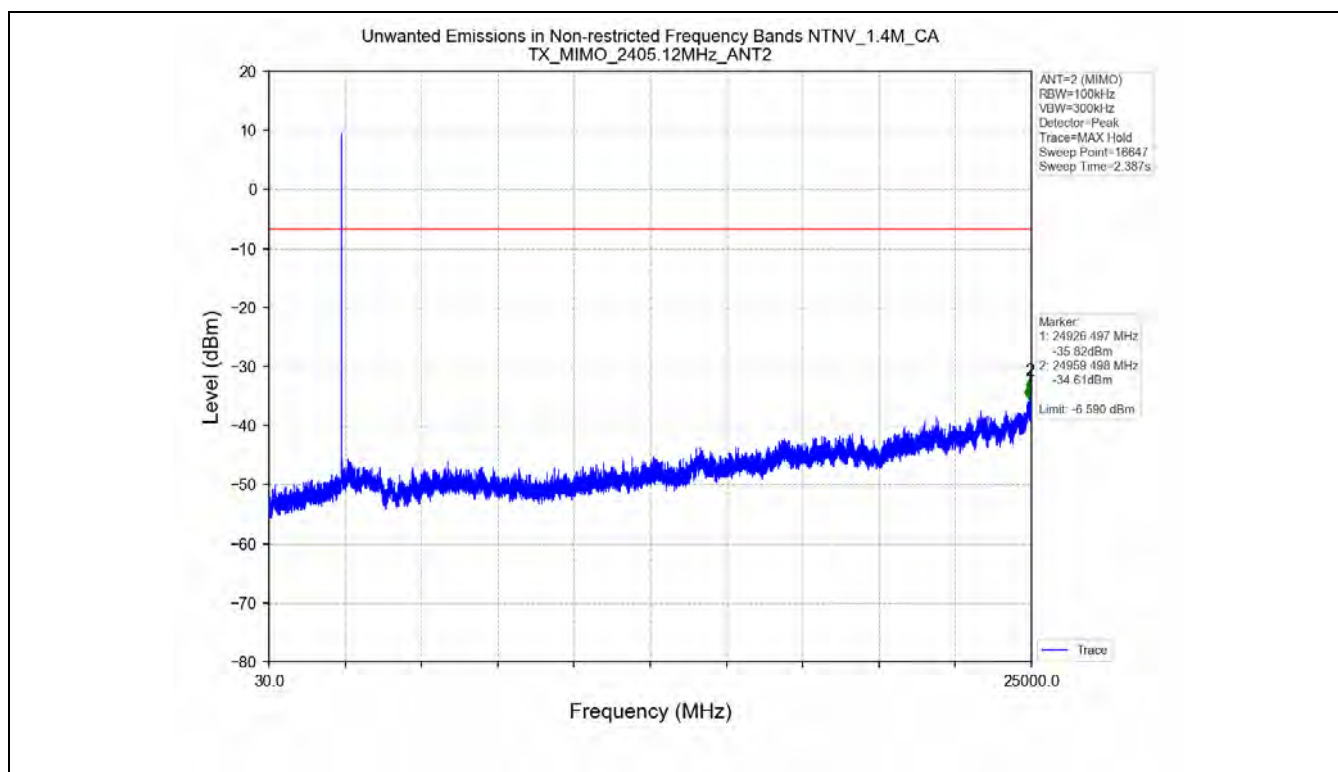
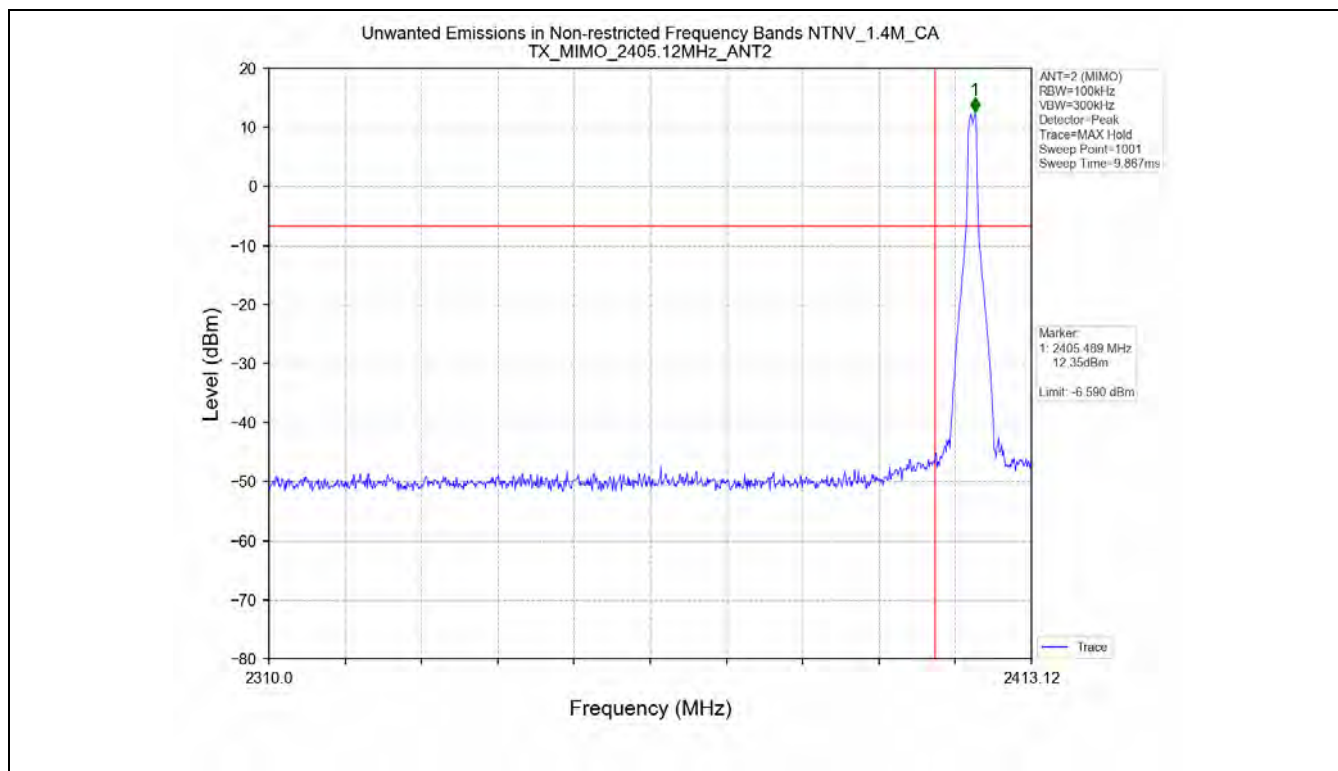


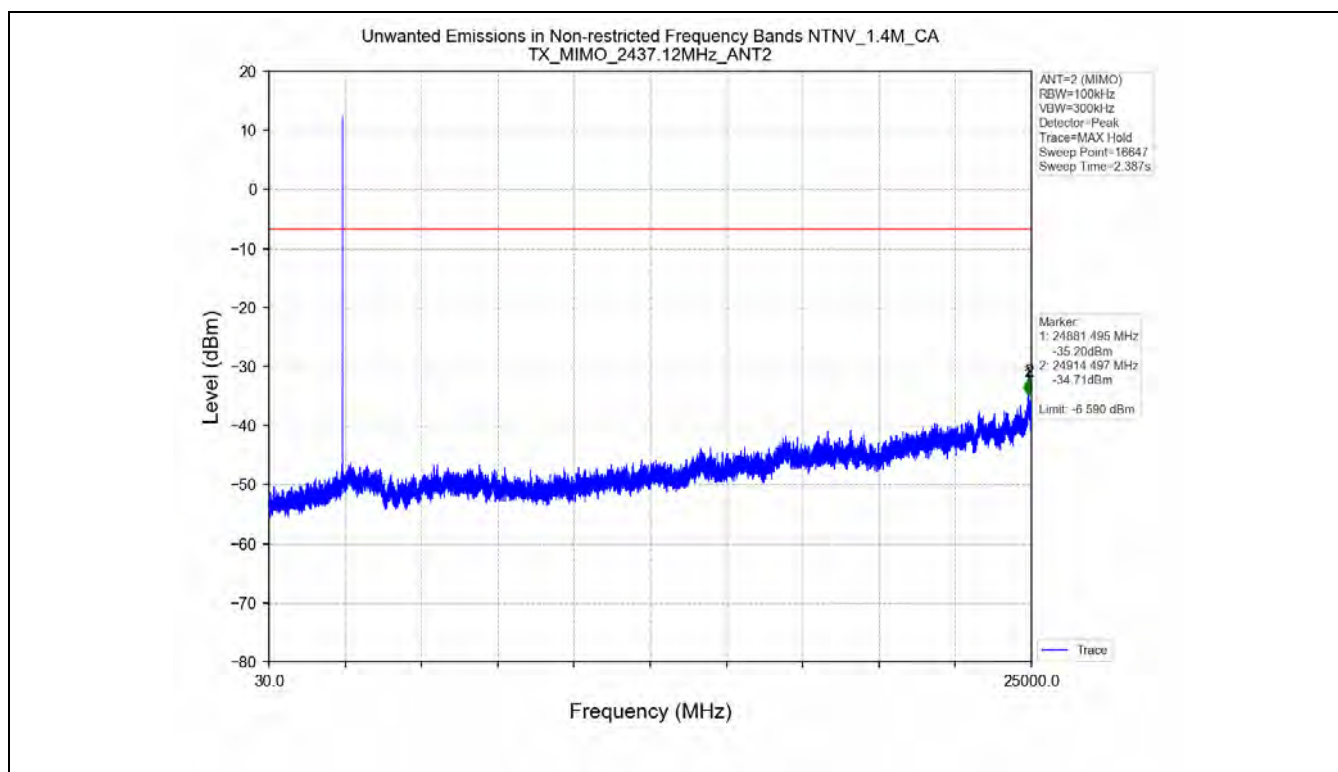
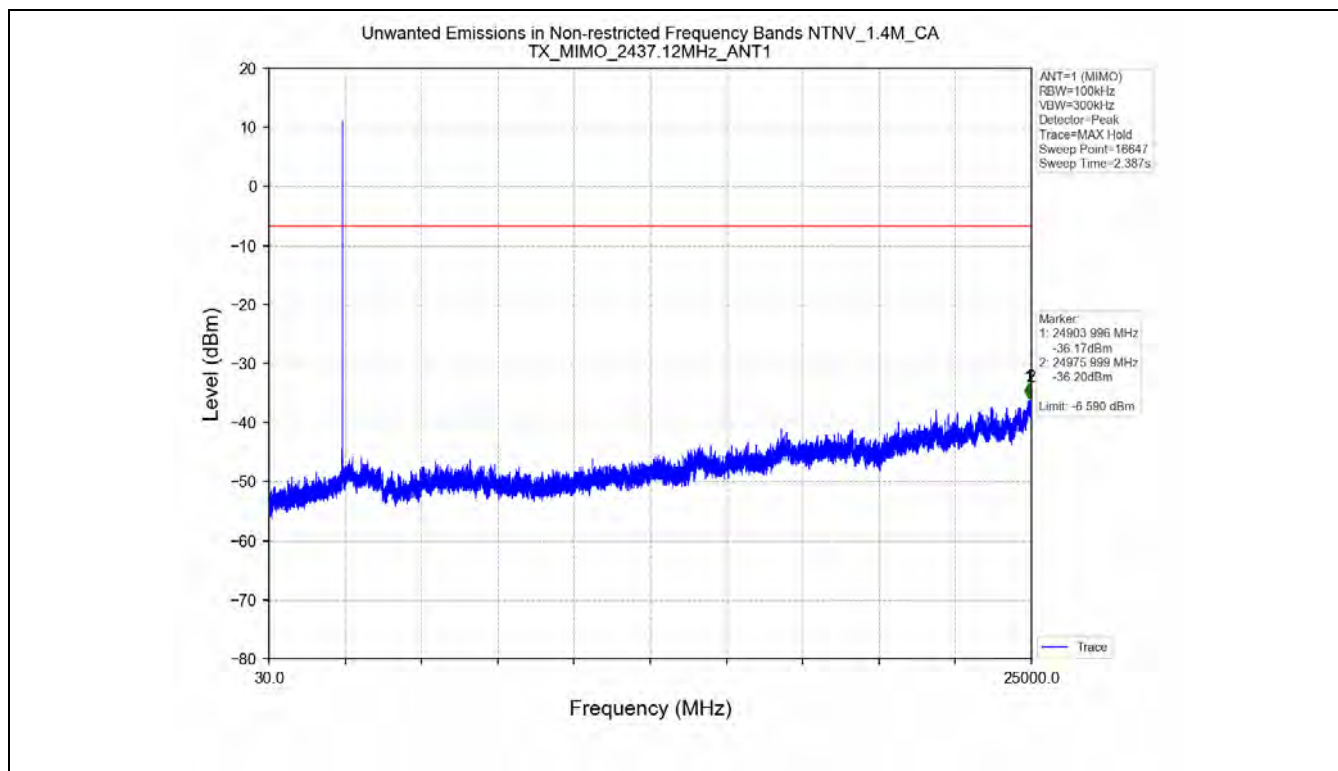


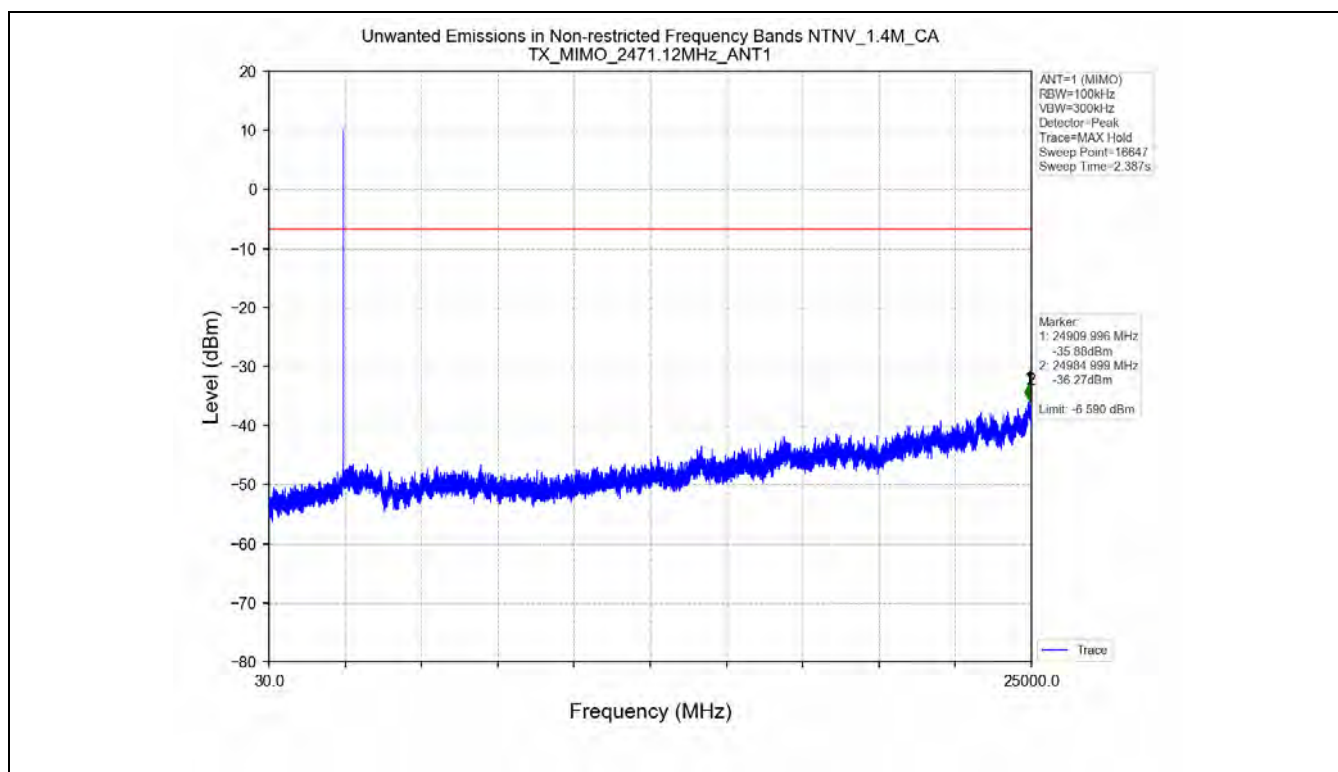
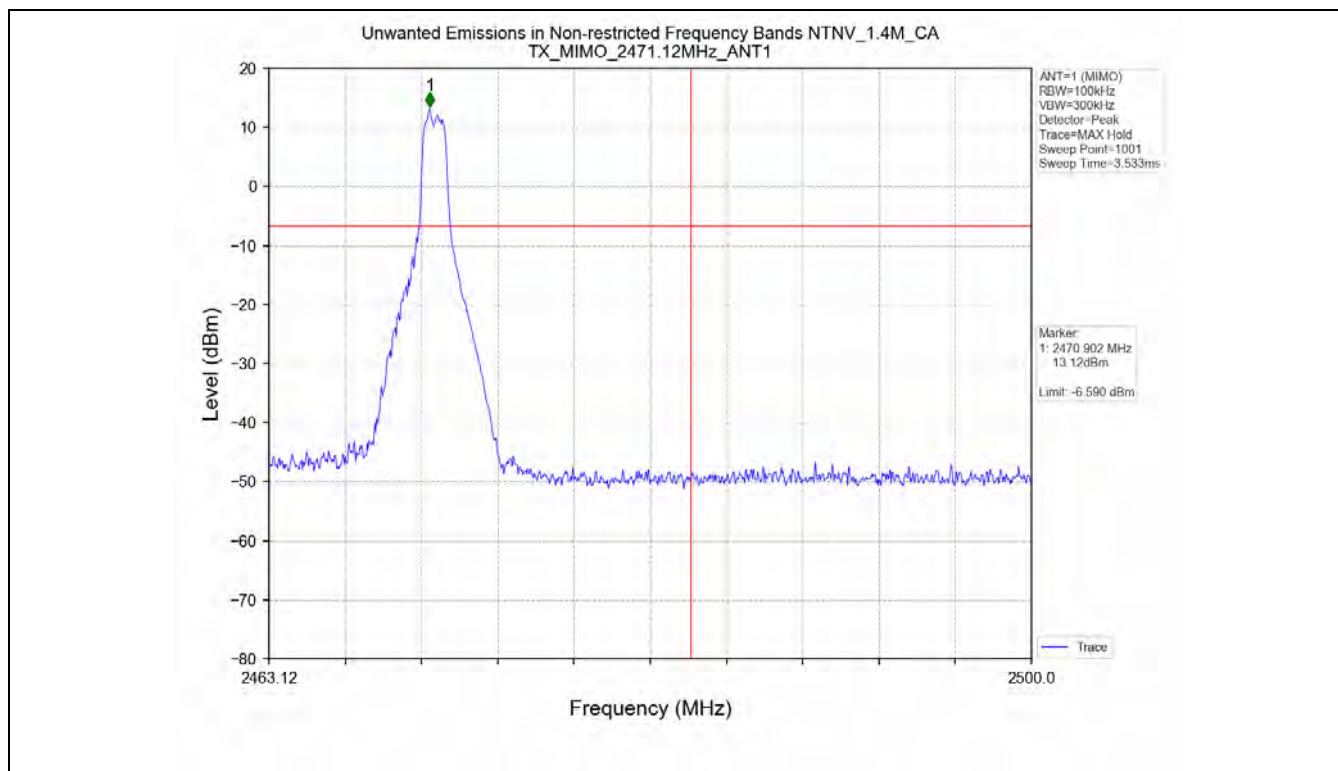


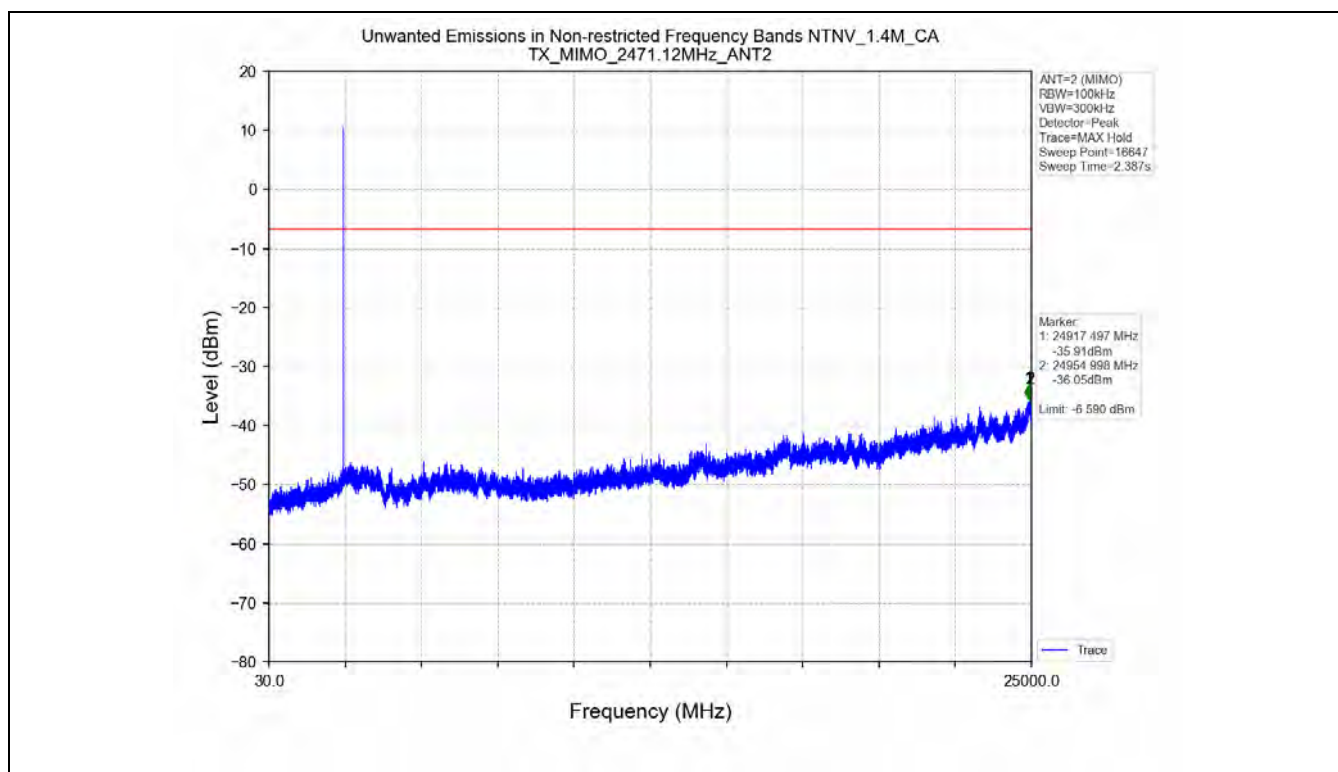
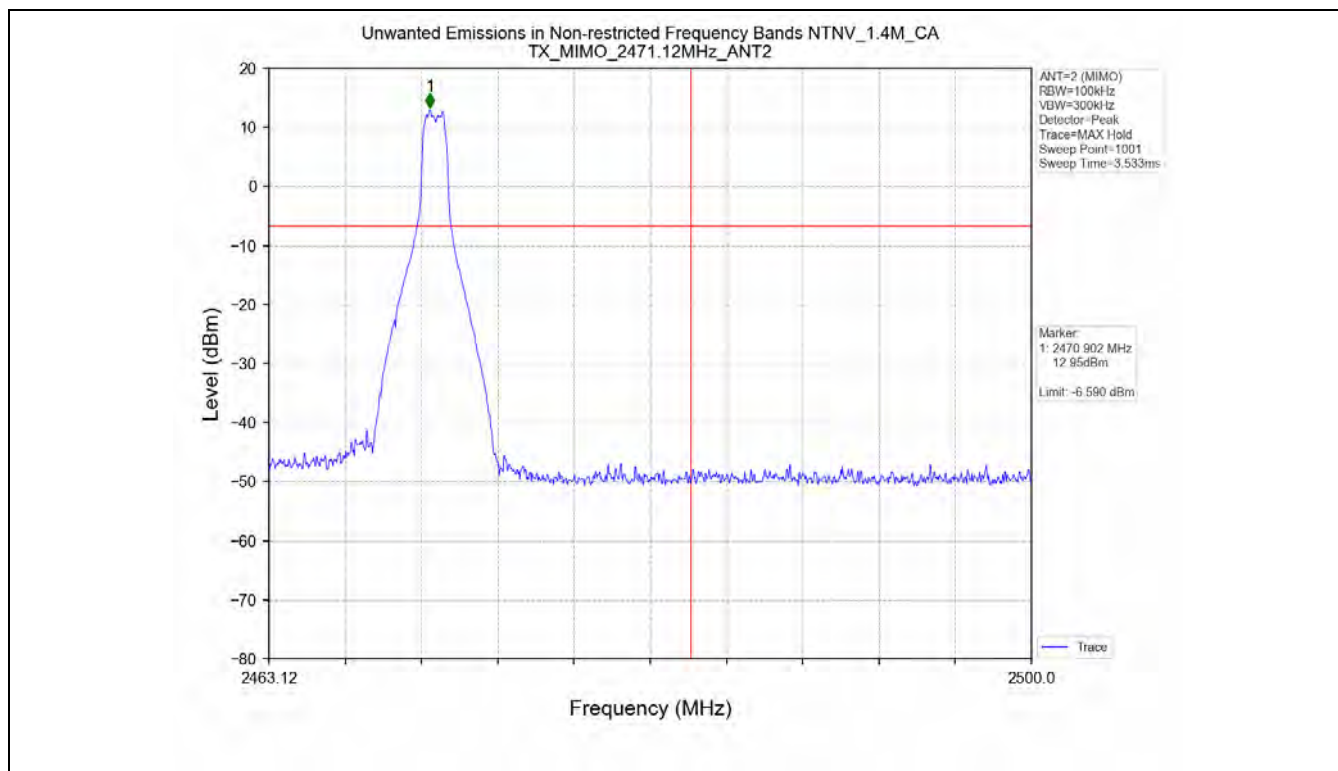


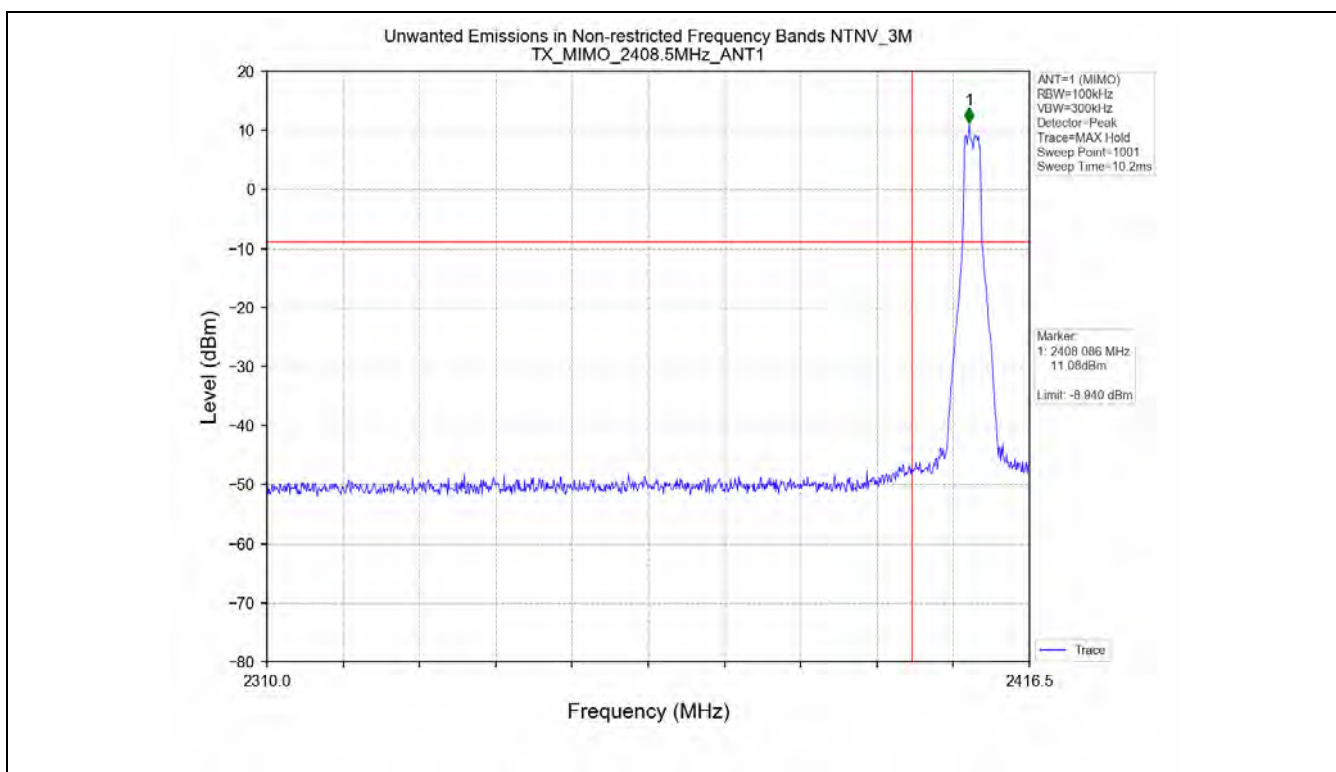
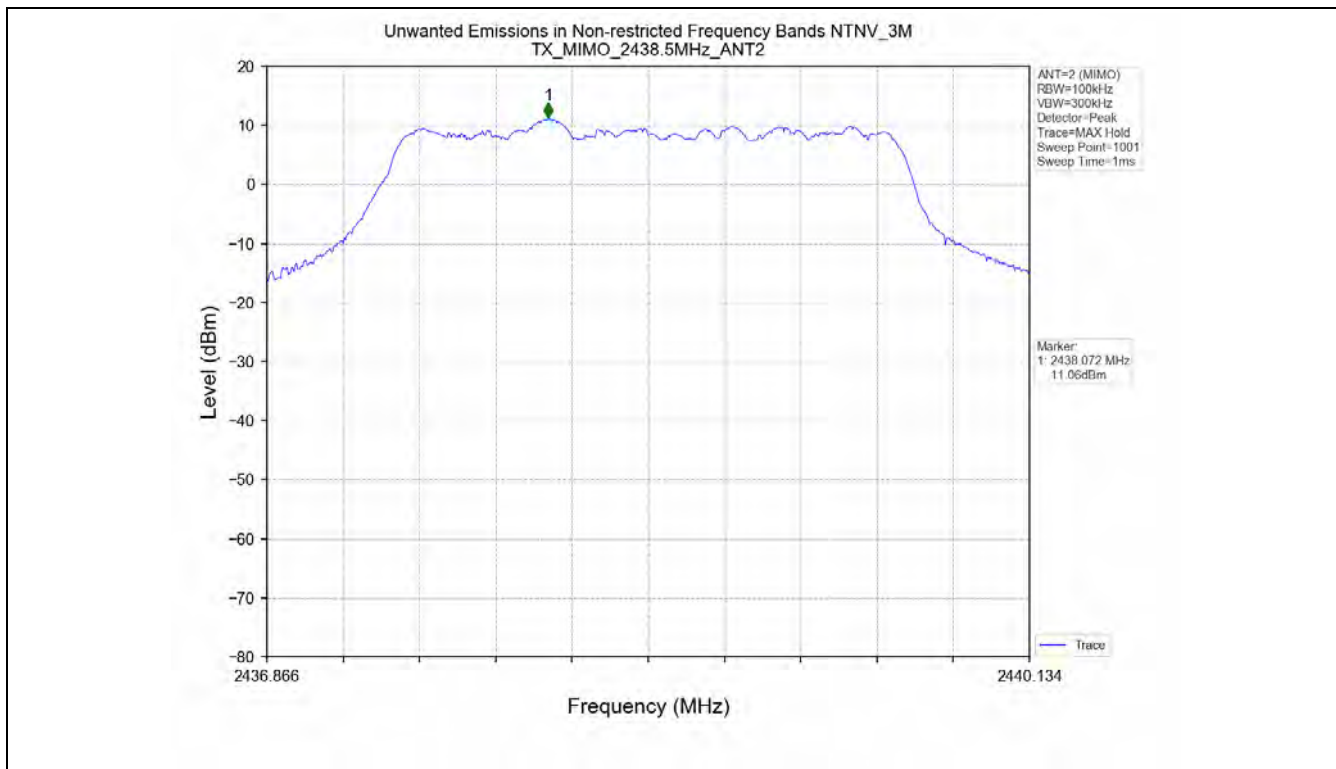


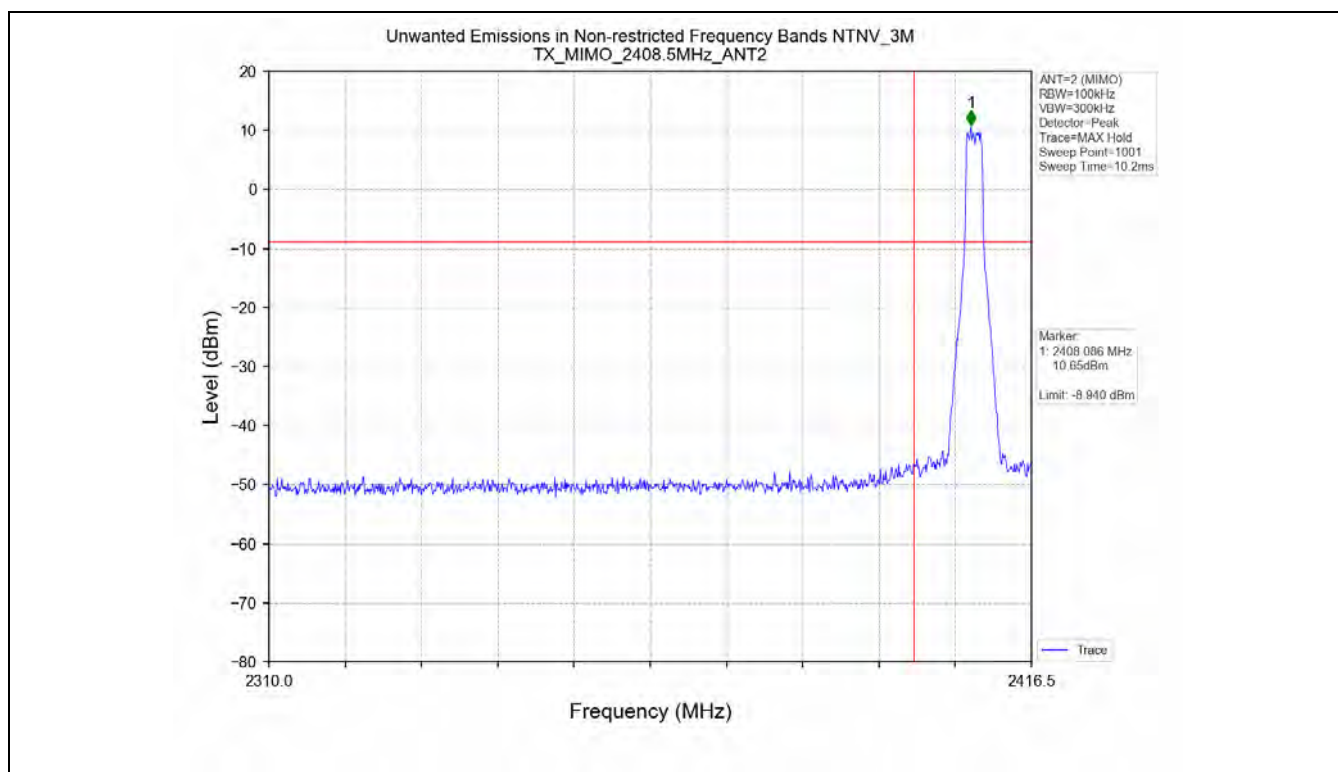
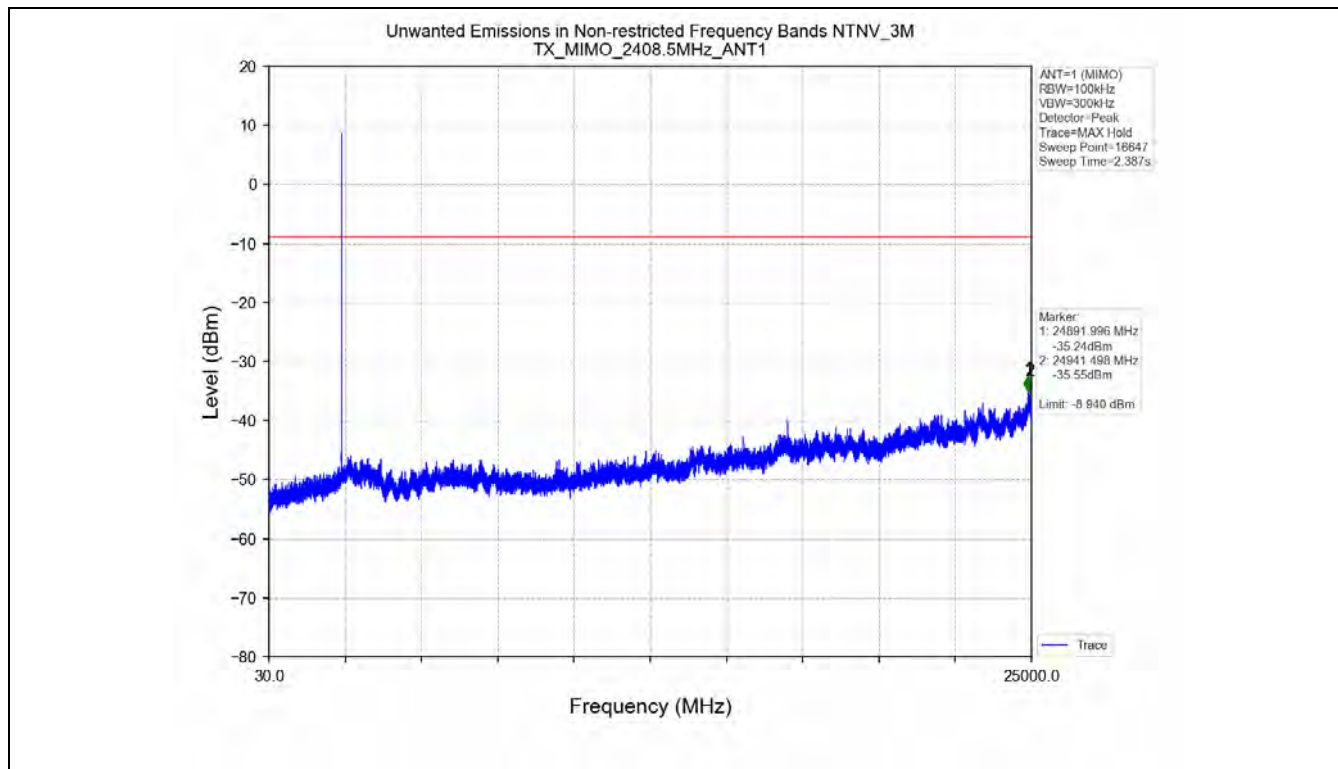


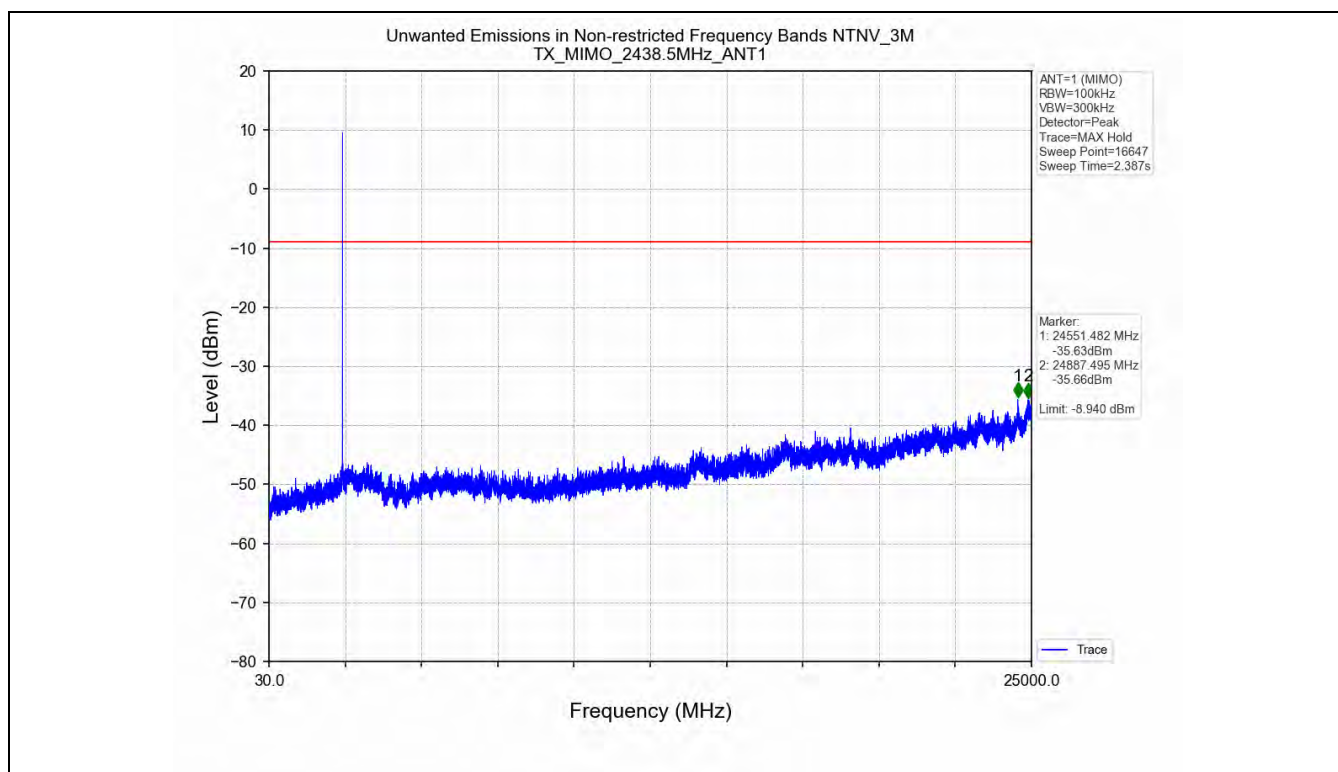
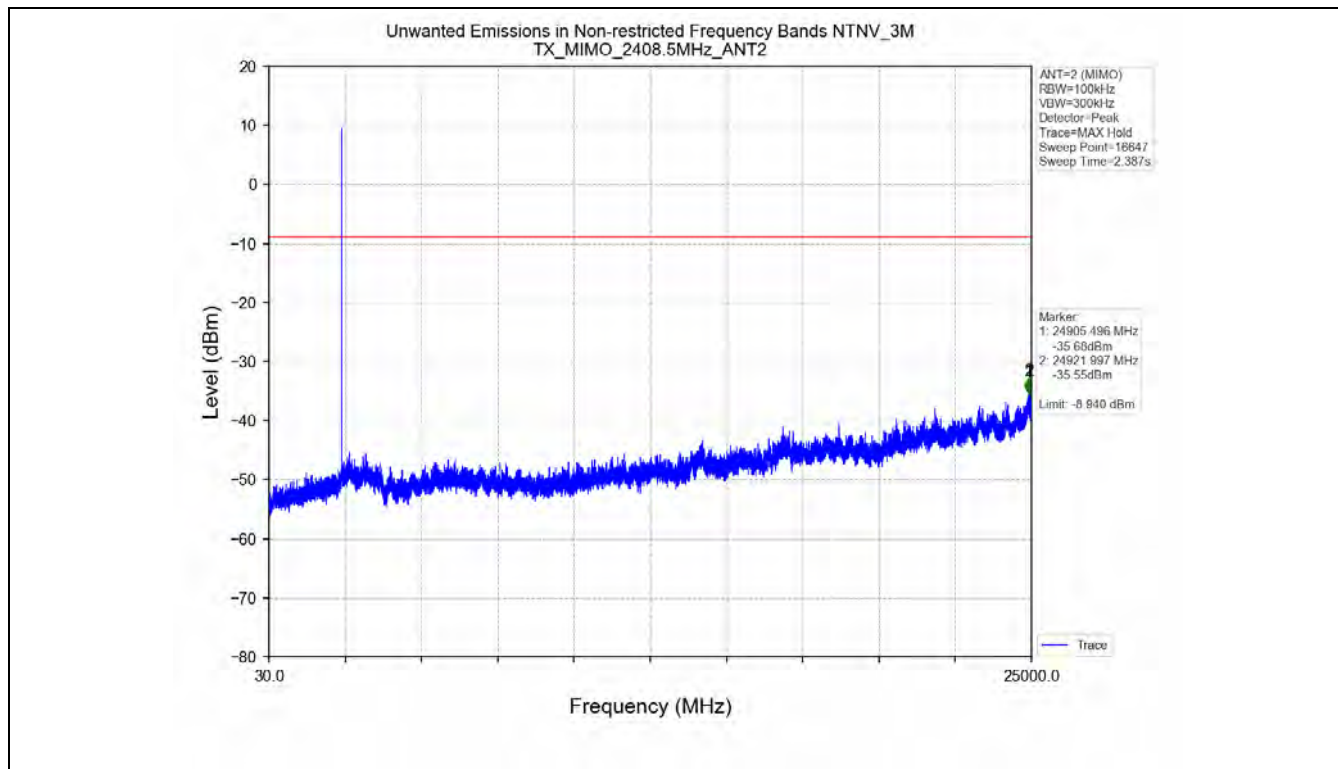


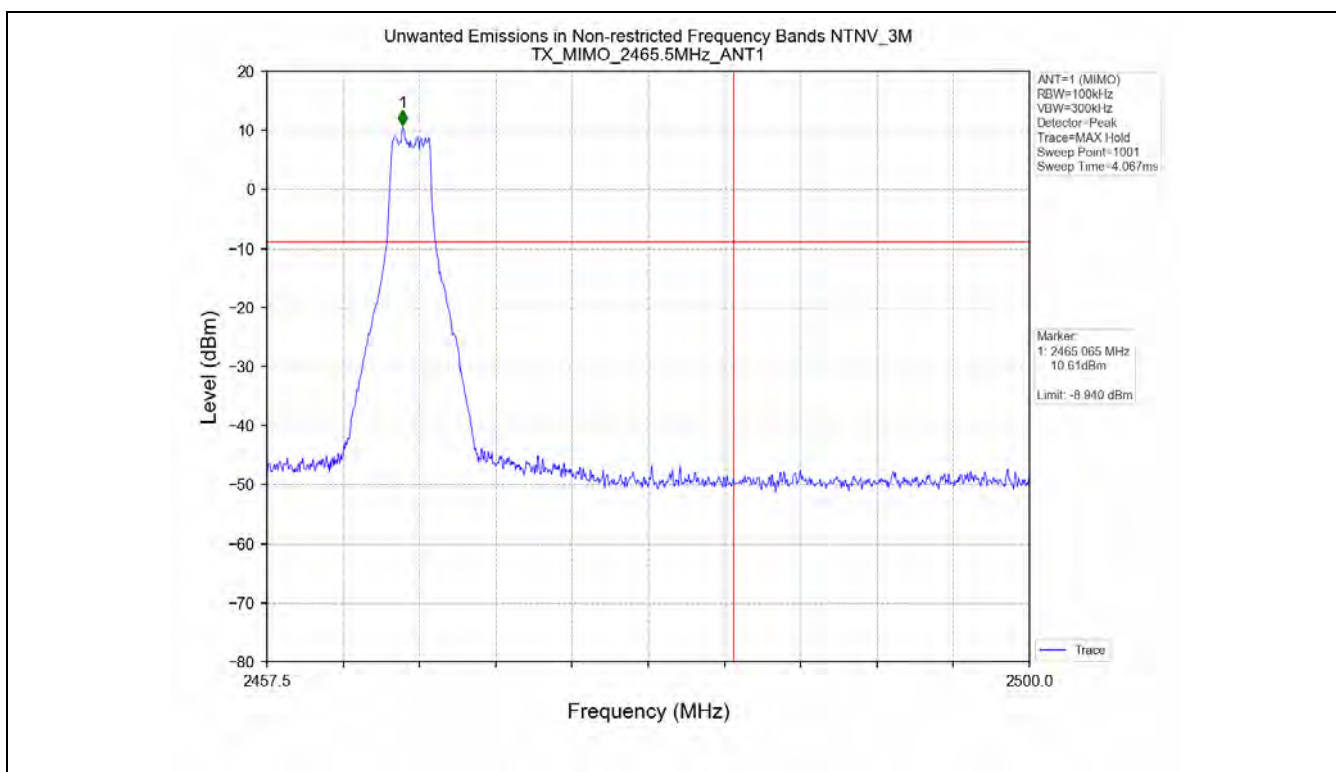
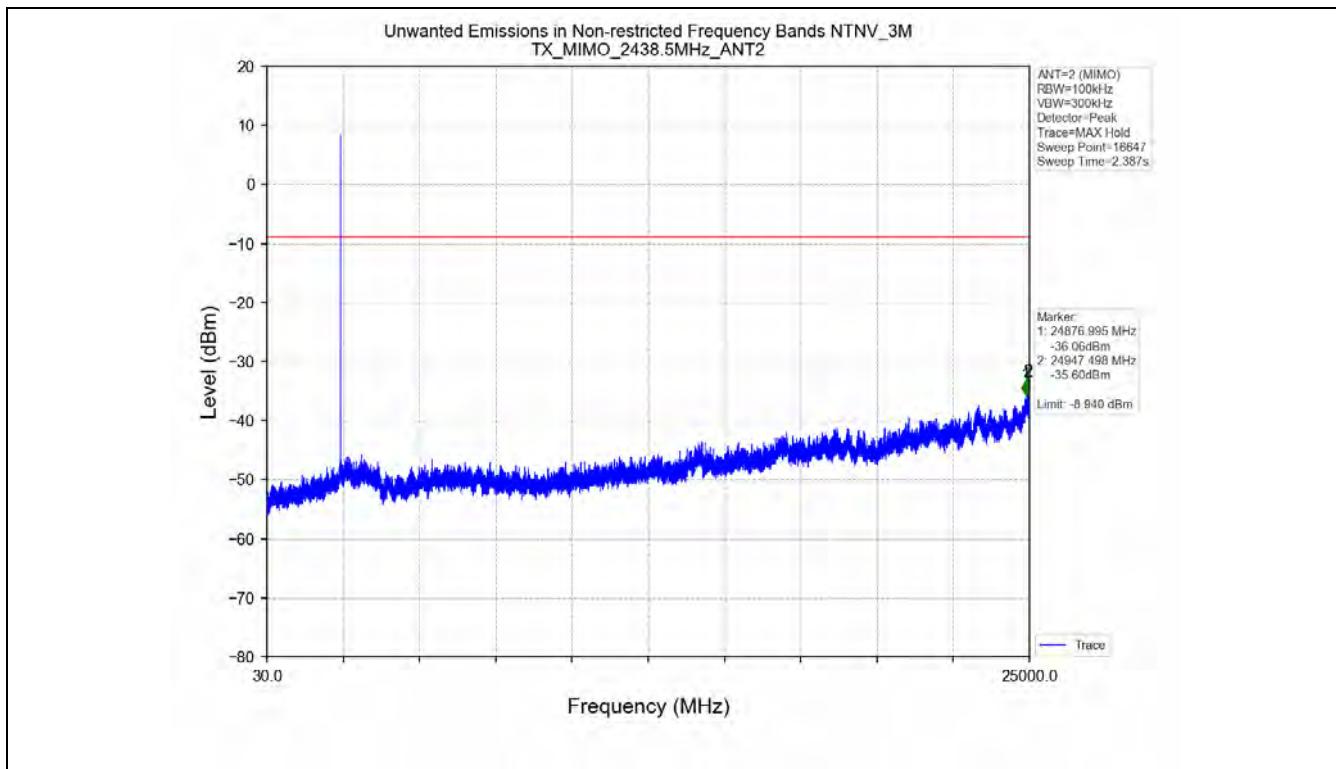


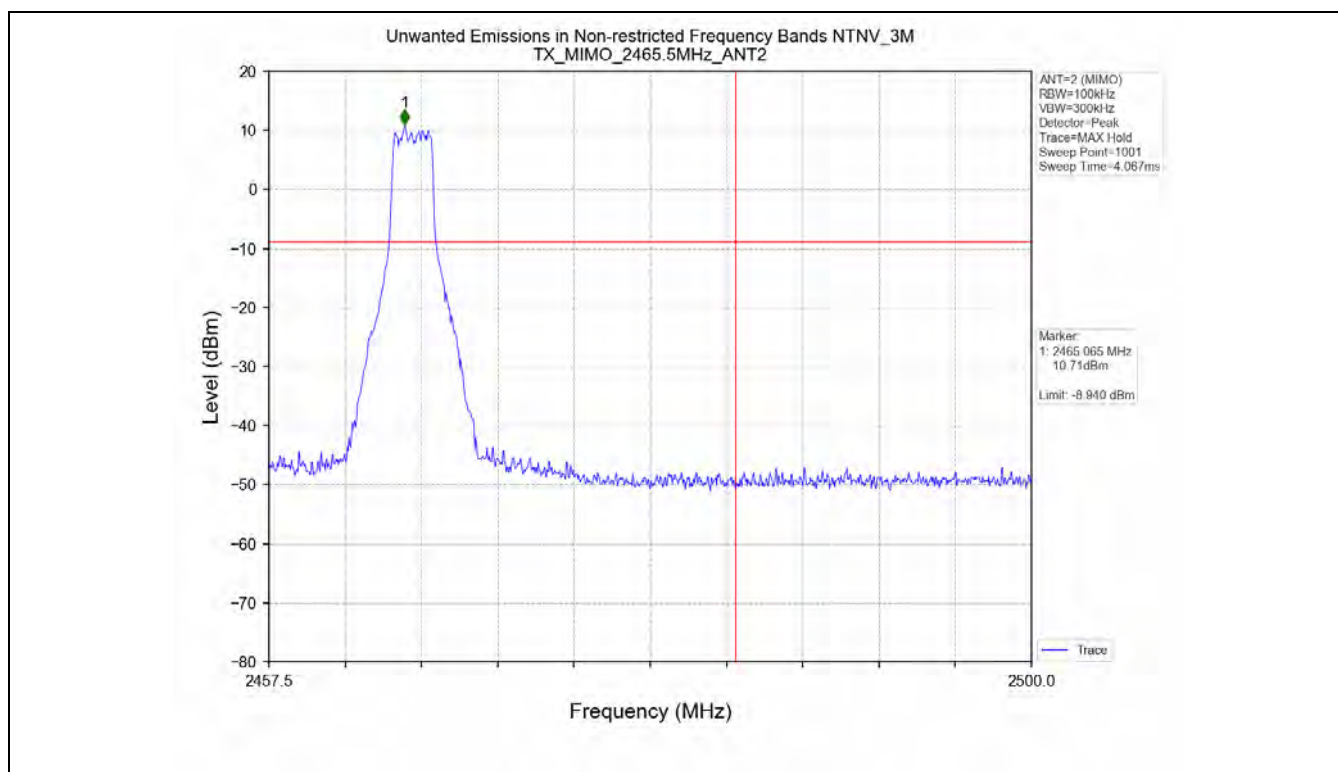
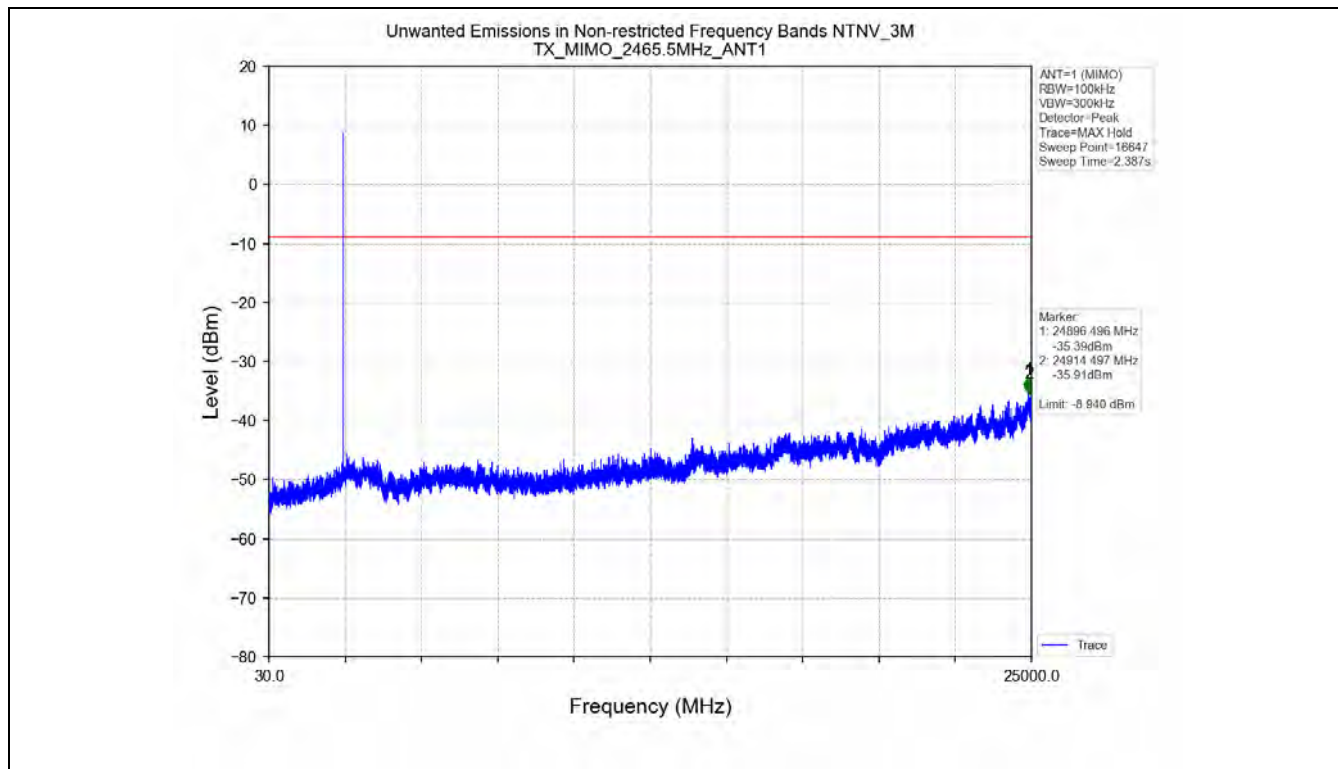


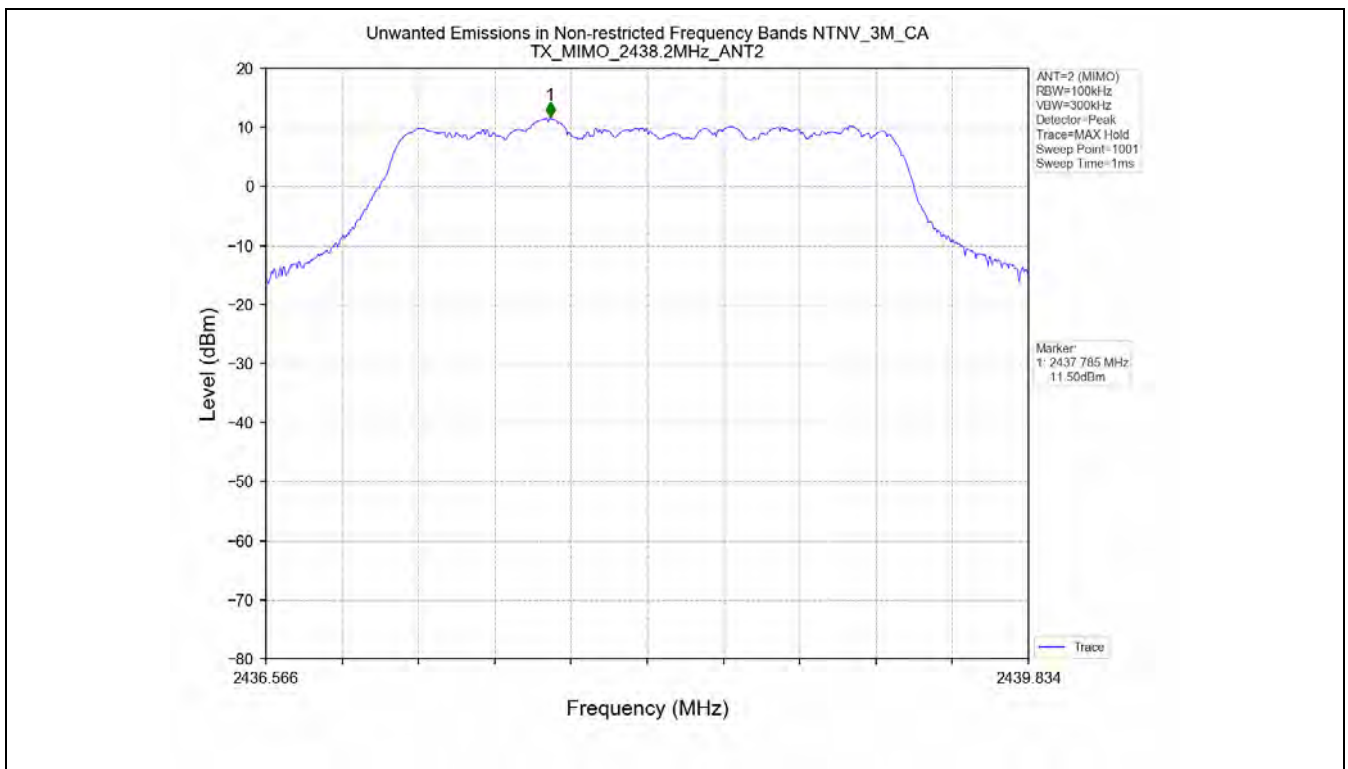
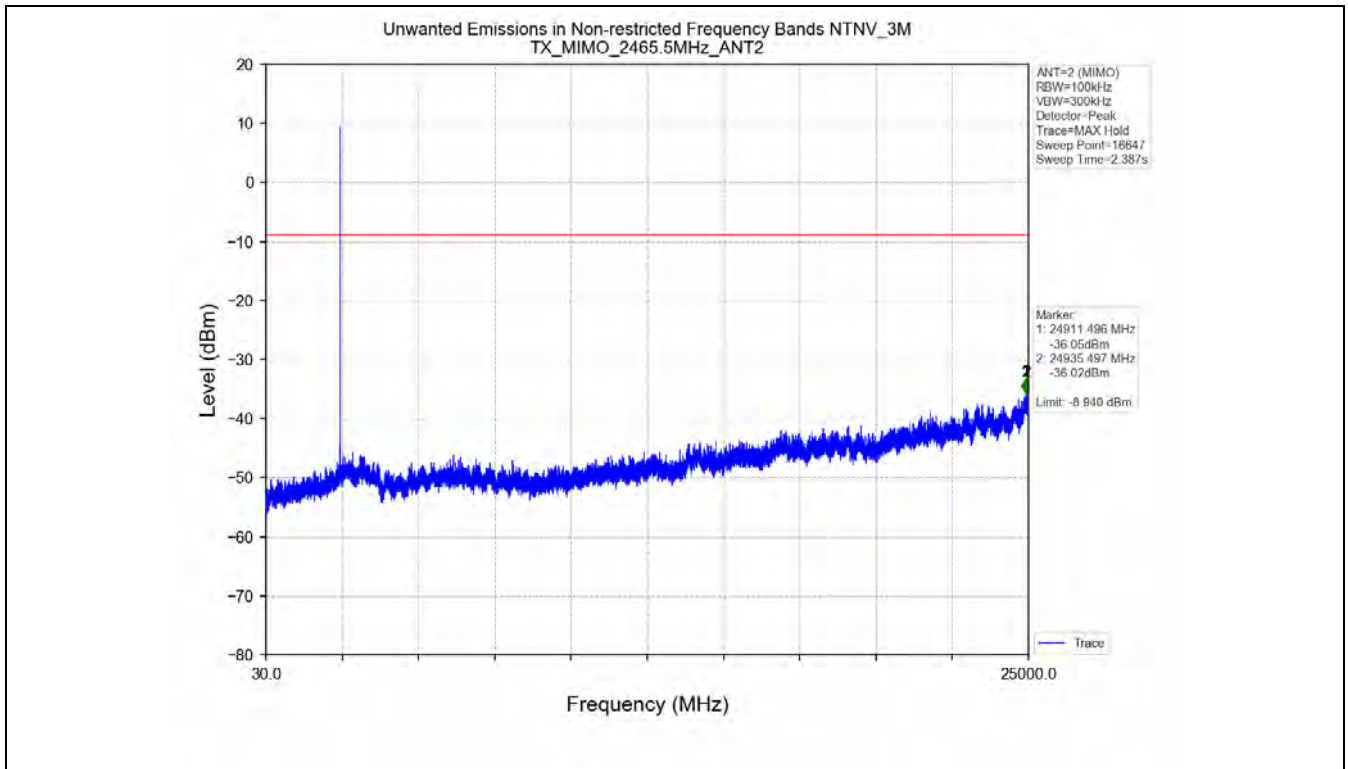


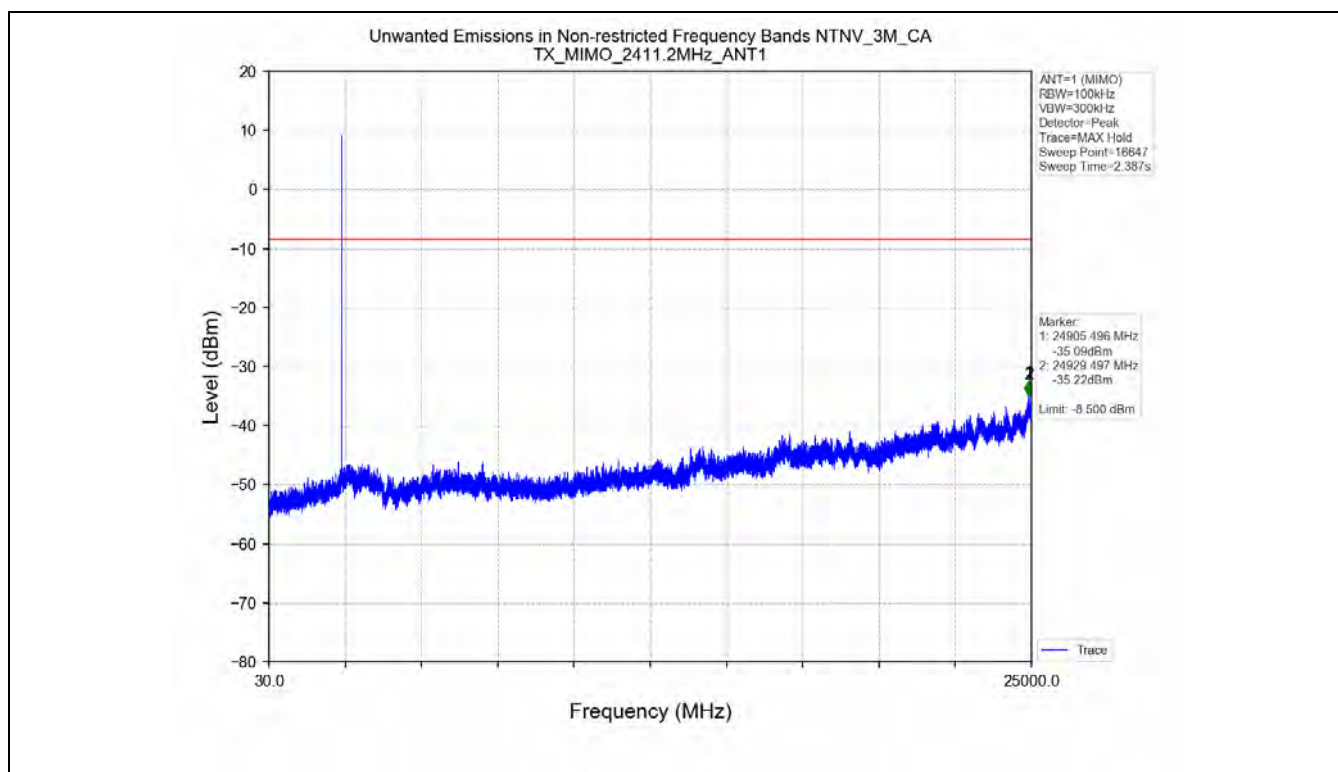
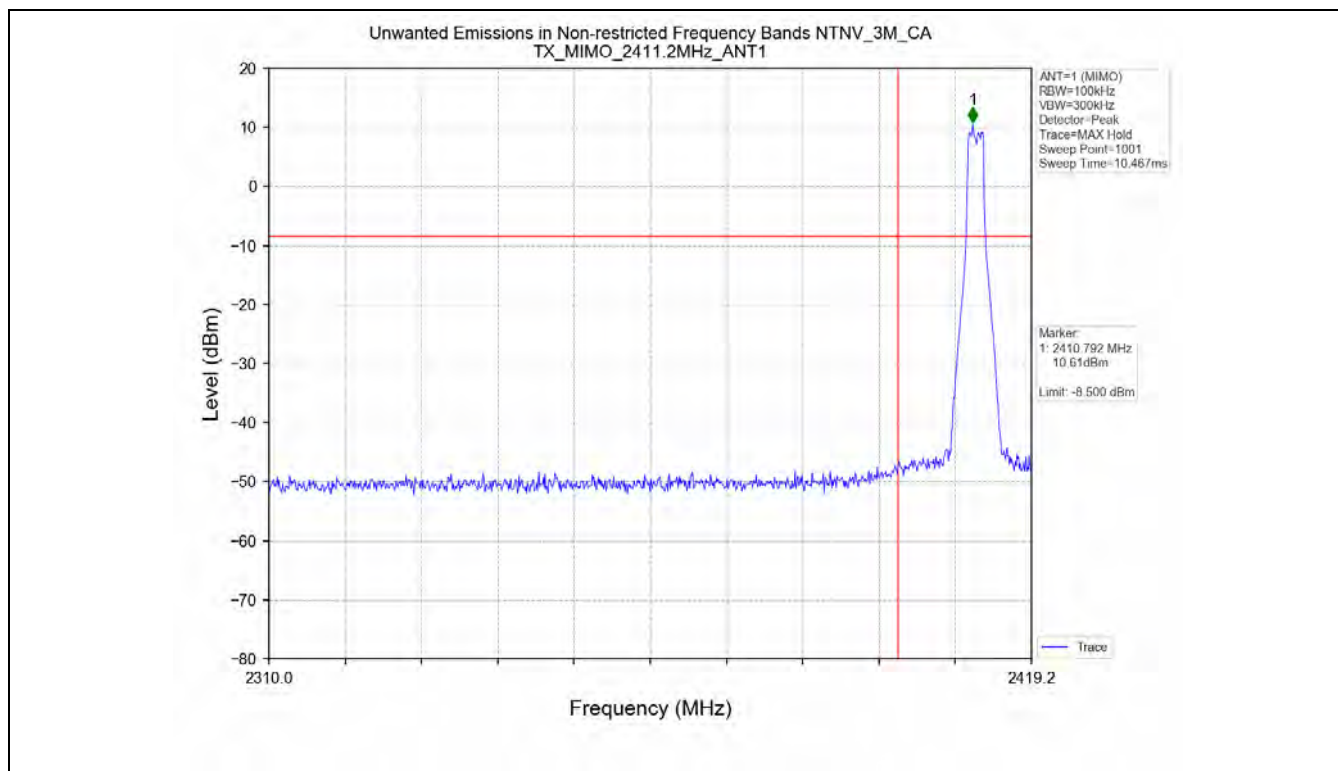


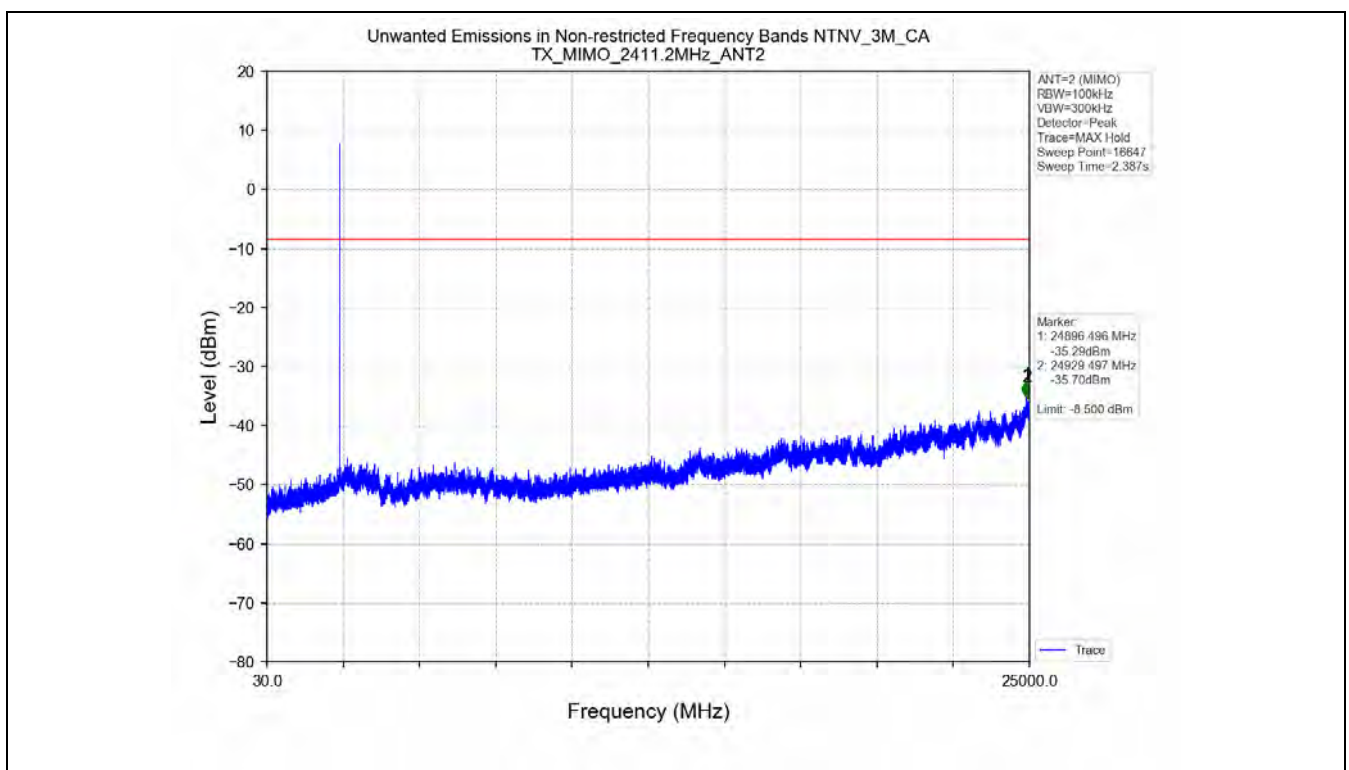
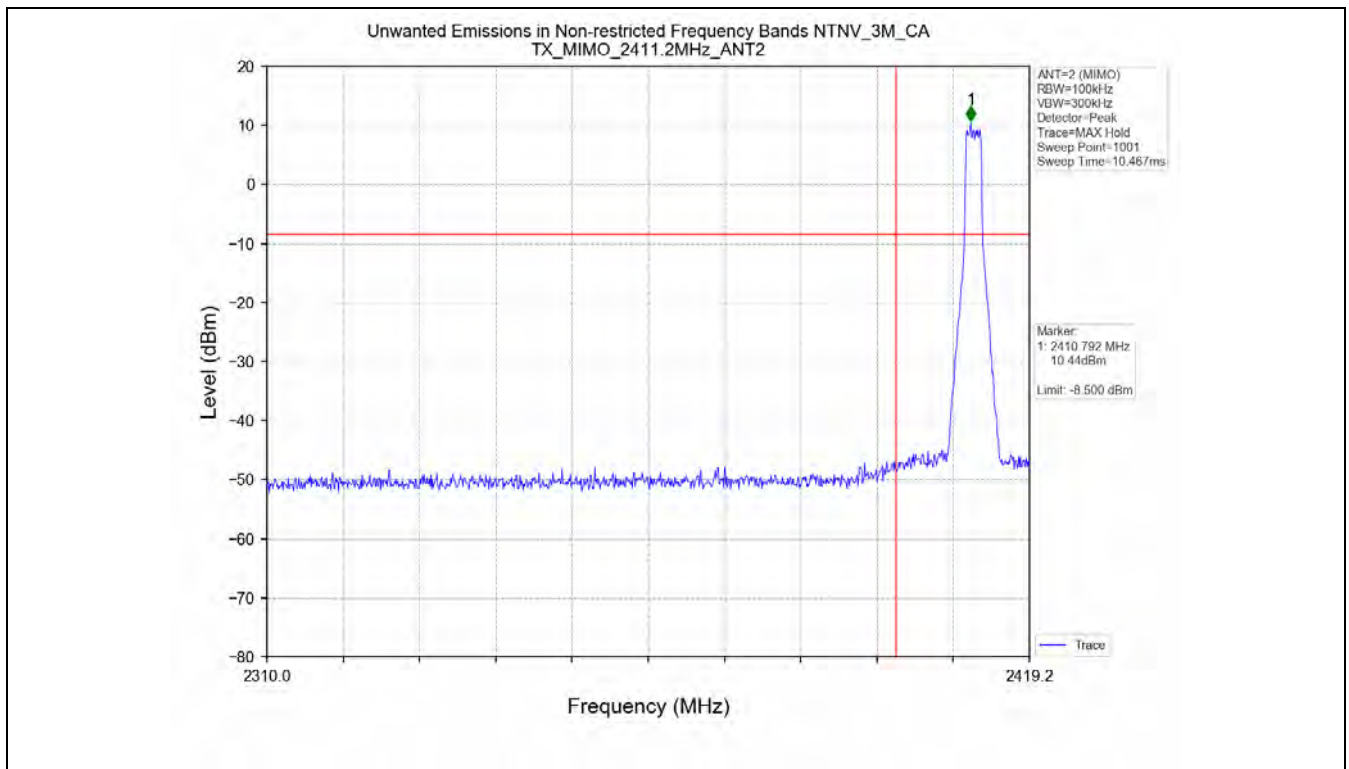


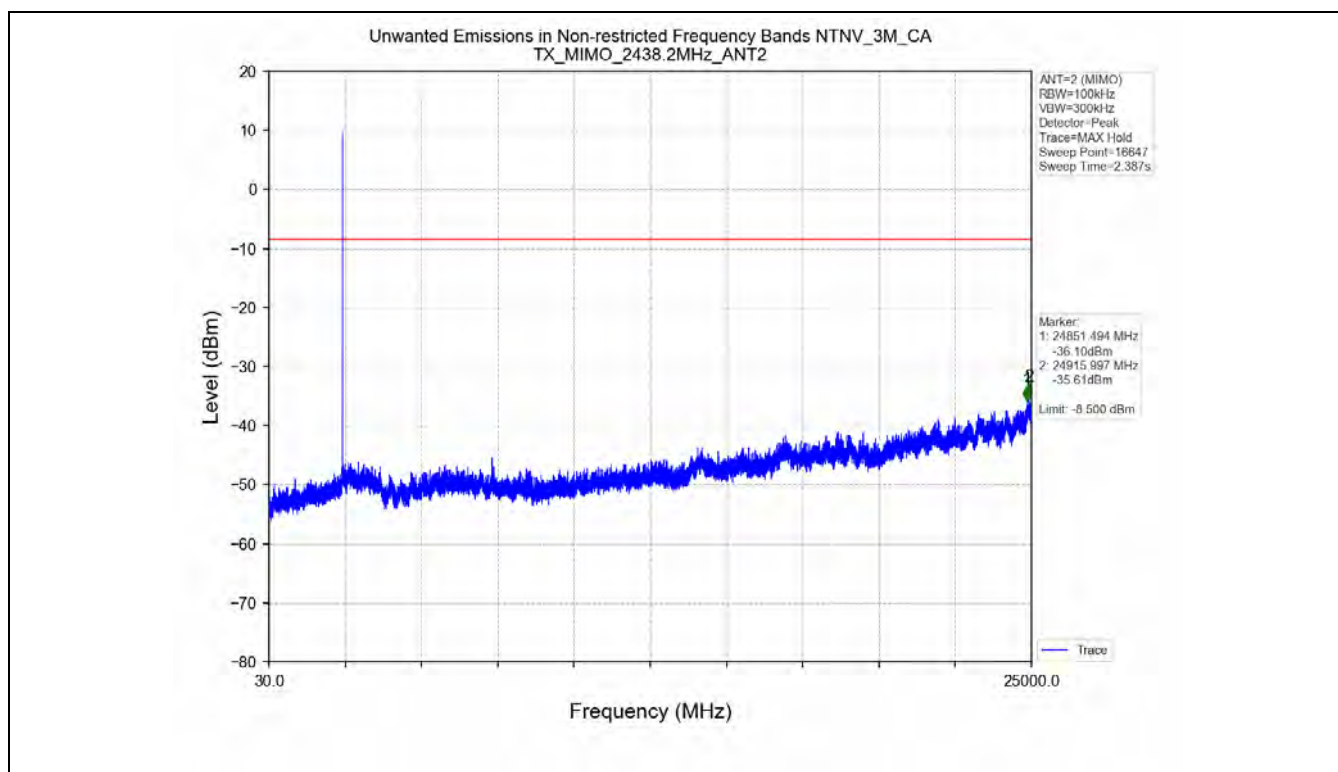
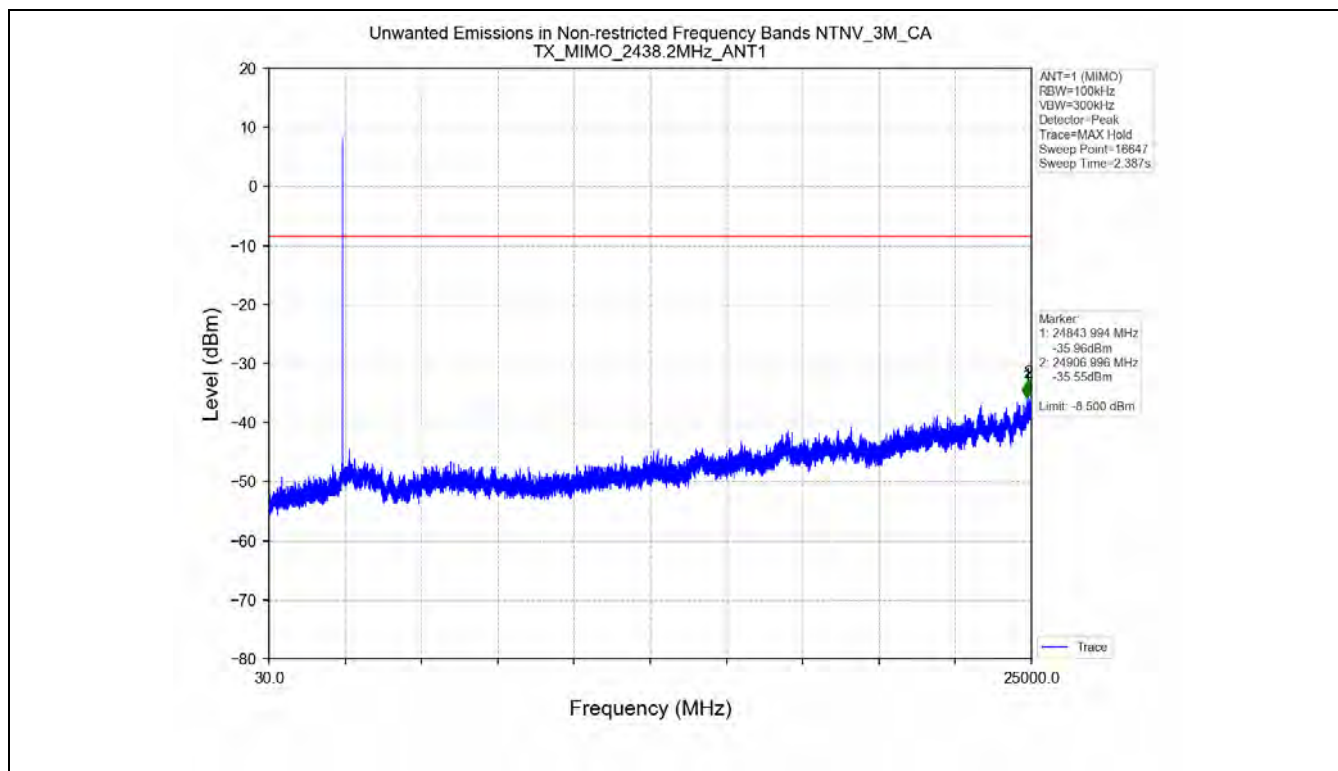


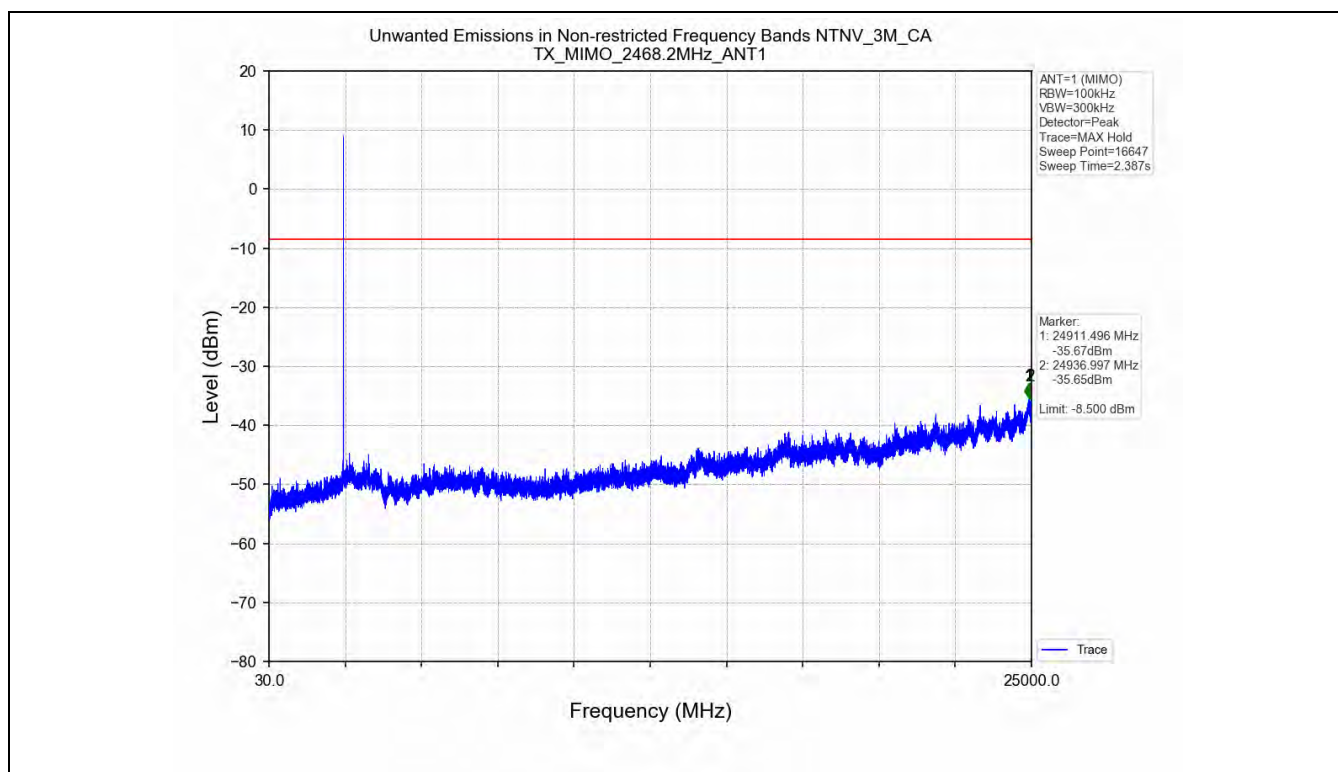
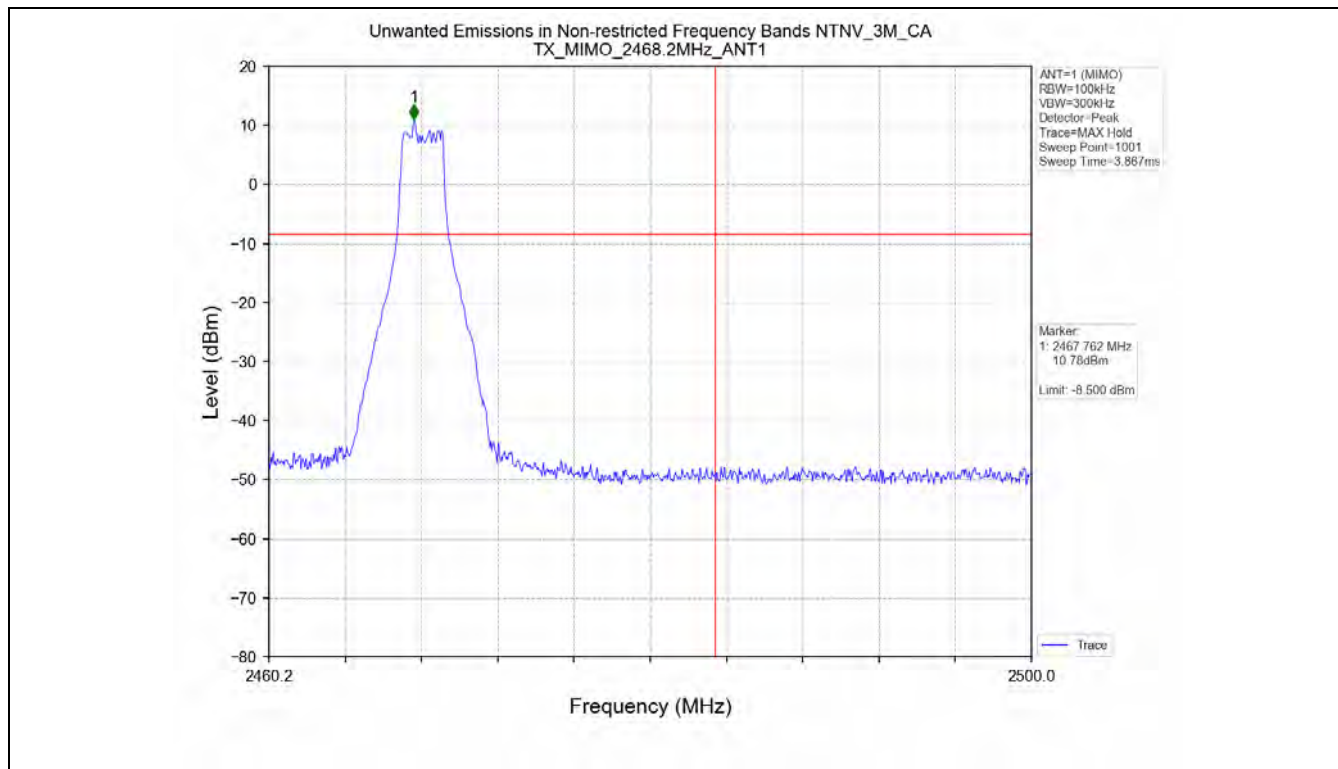


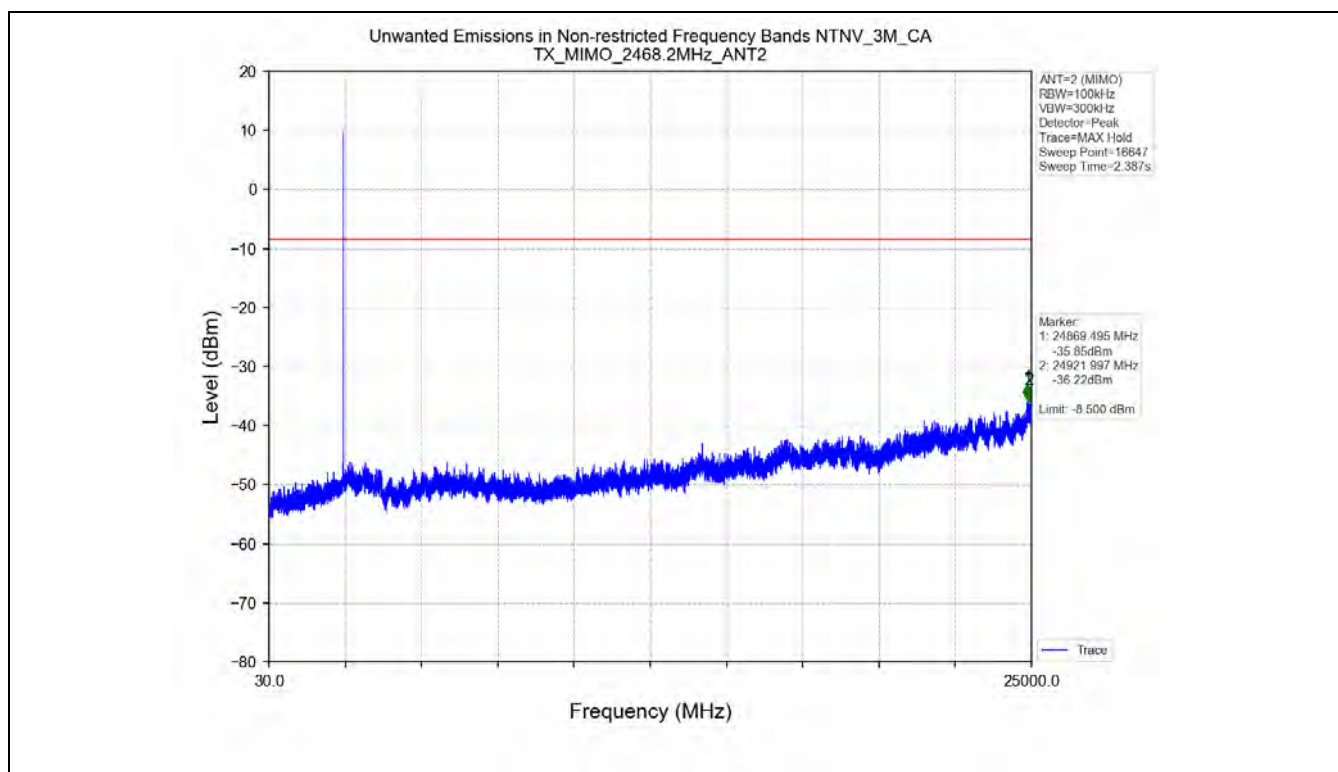
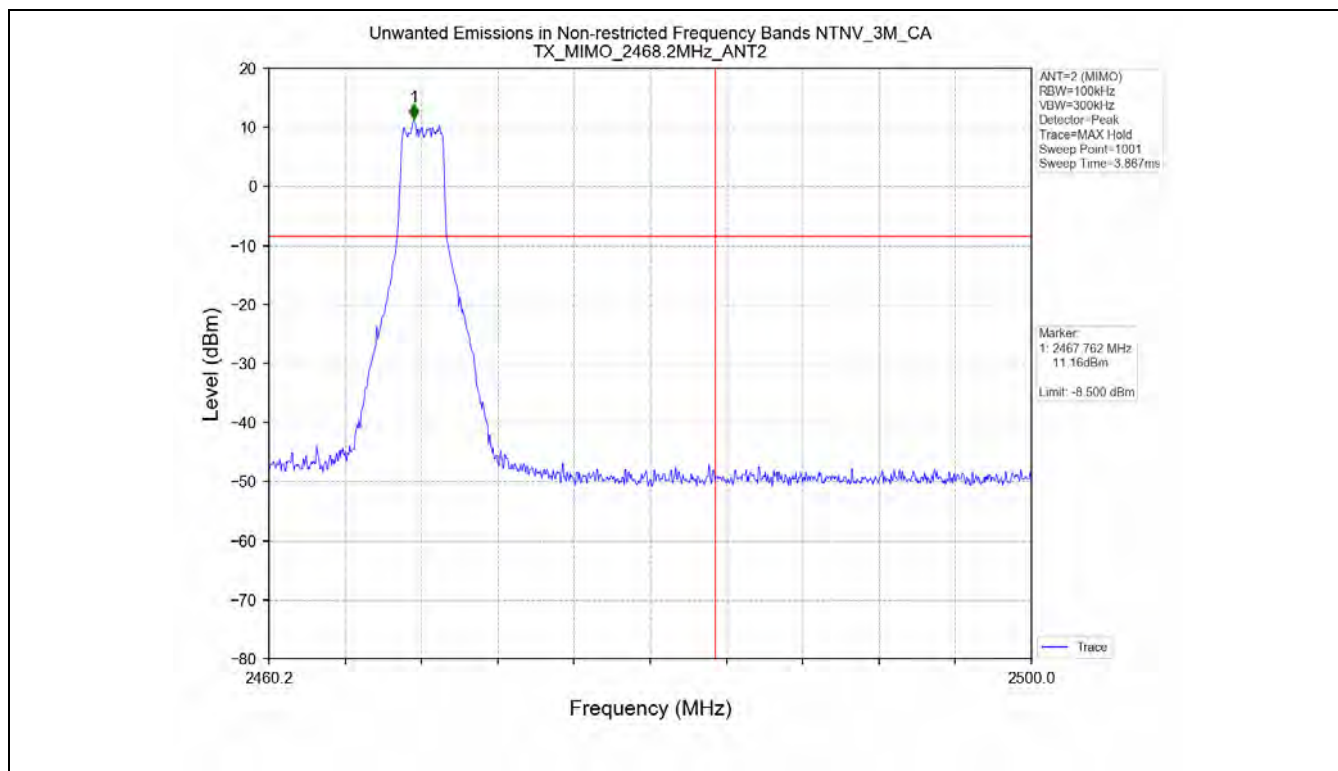












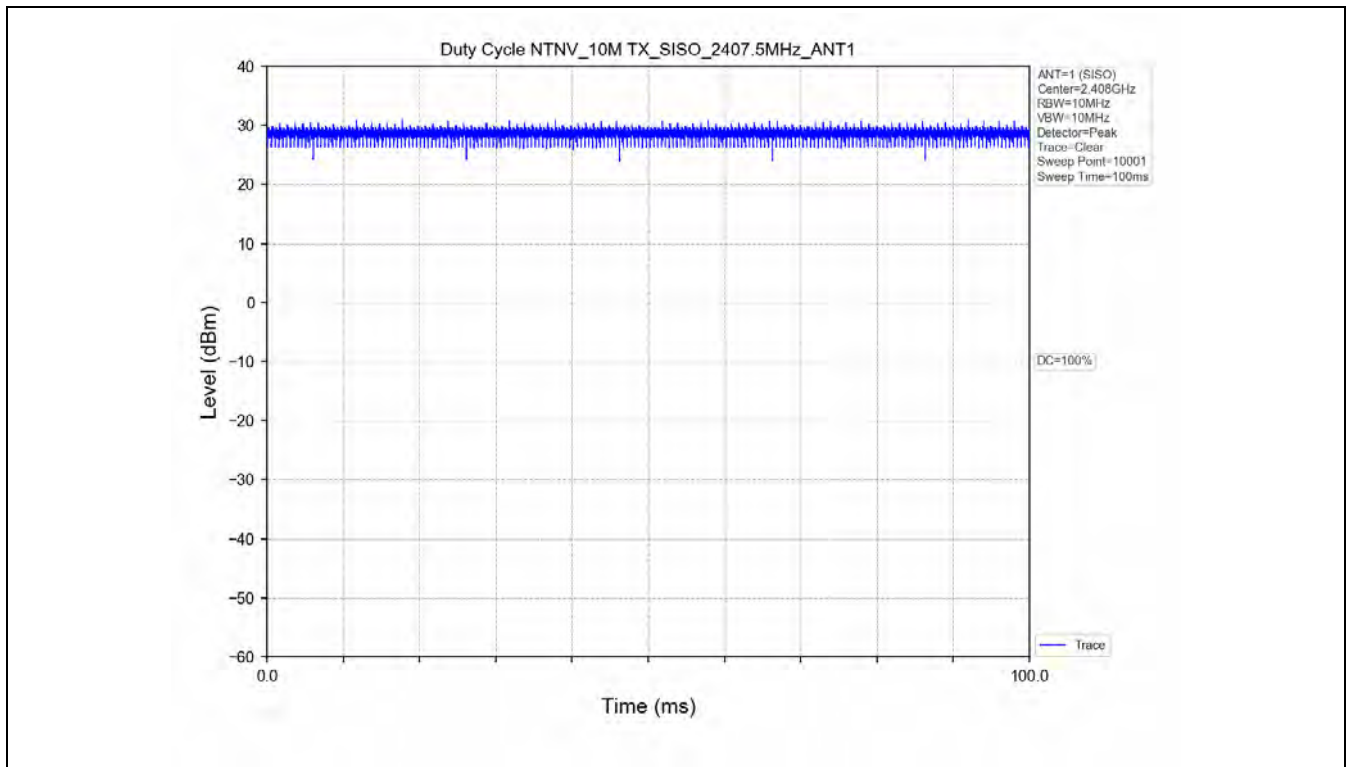
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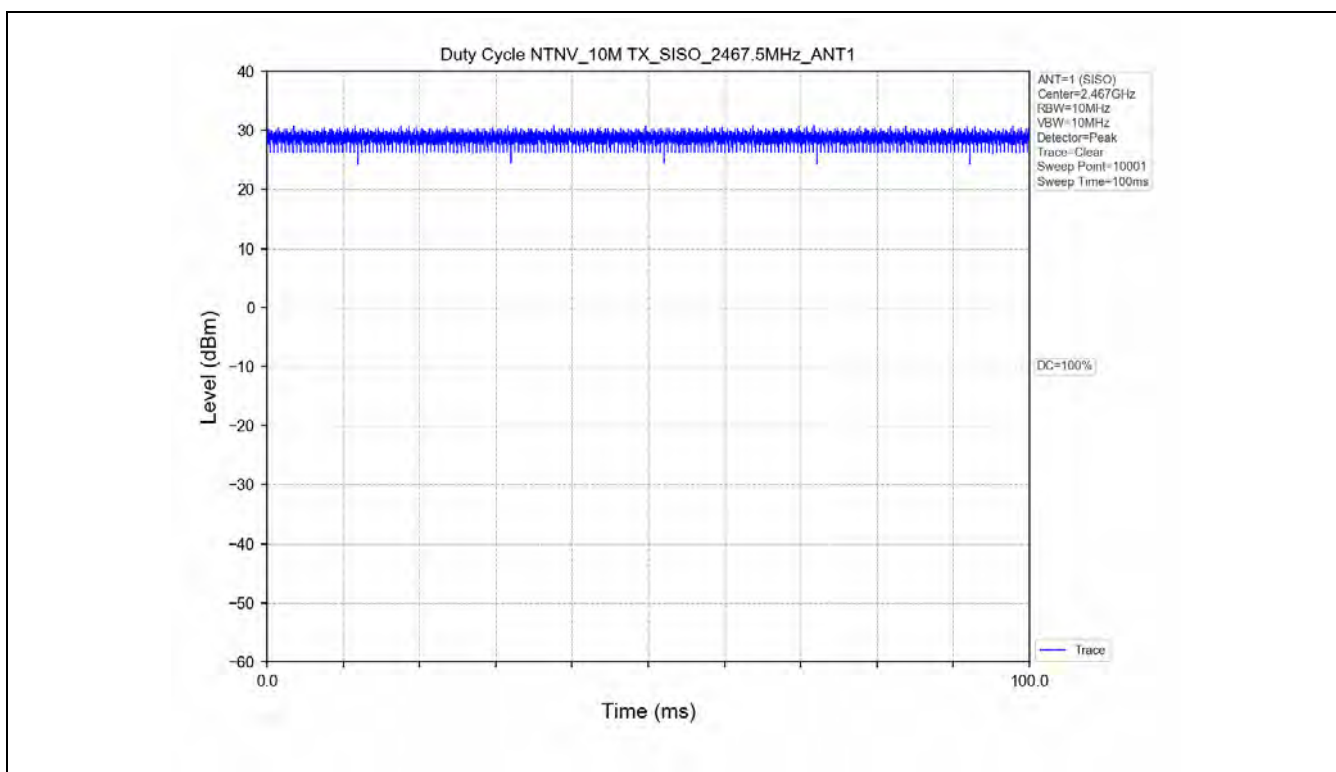
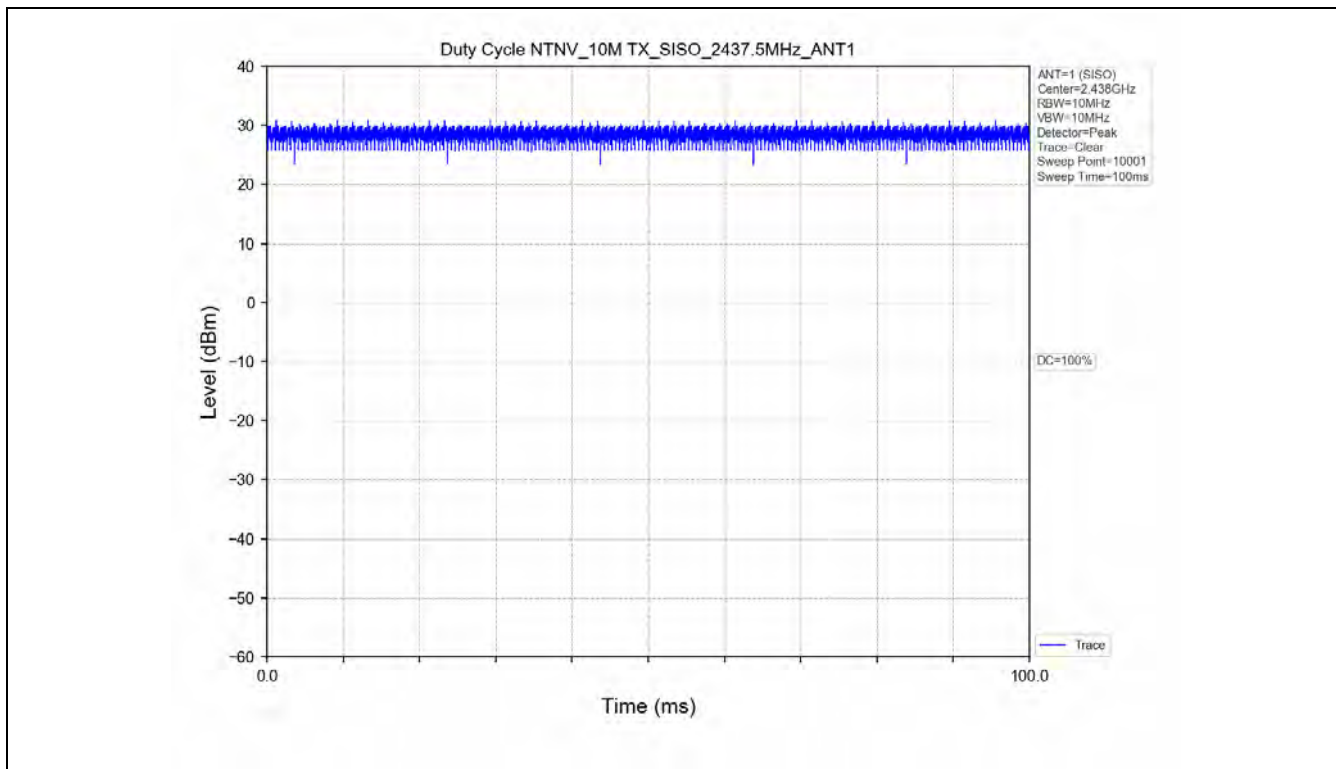
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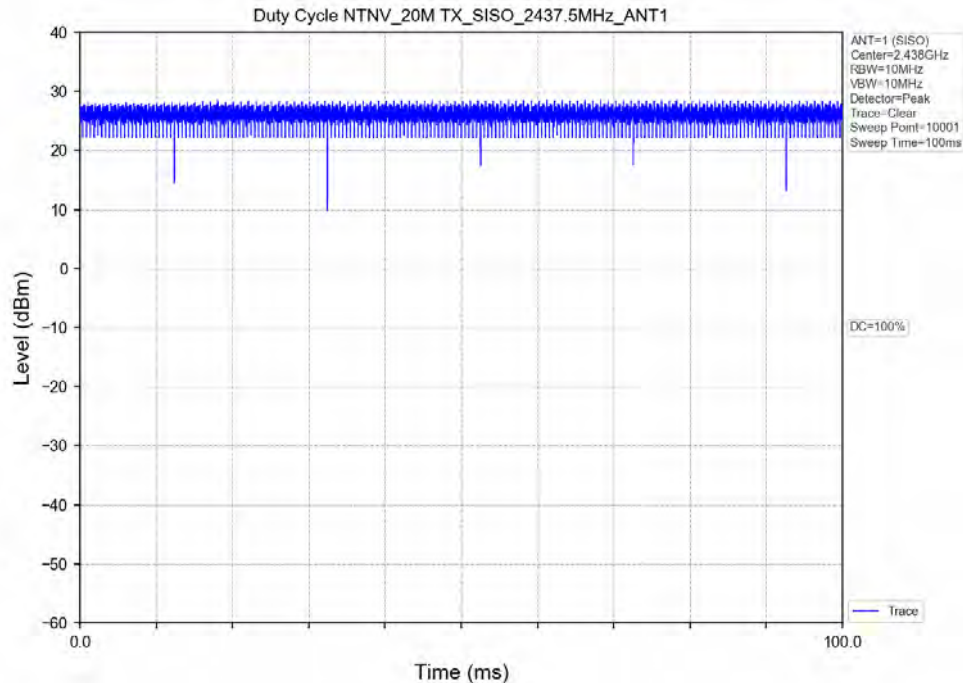
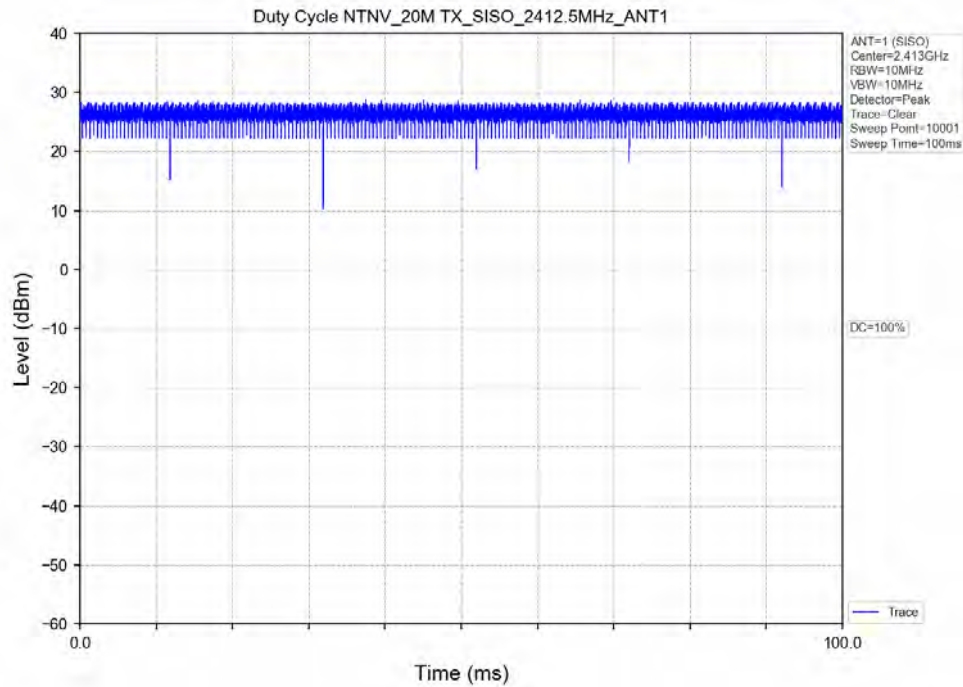
1.1 Test Result

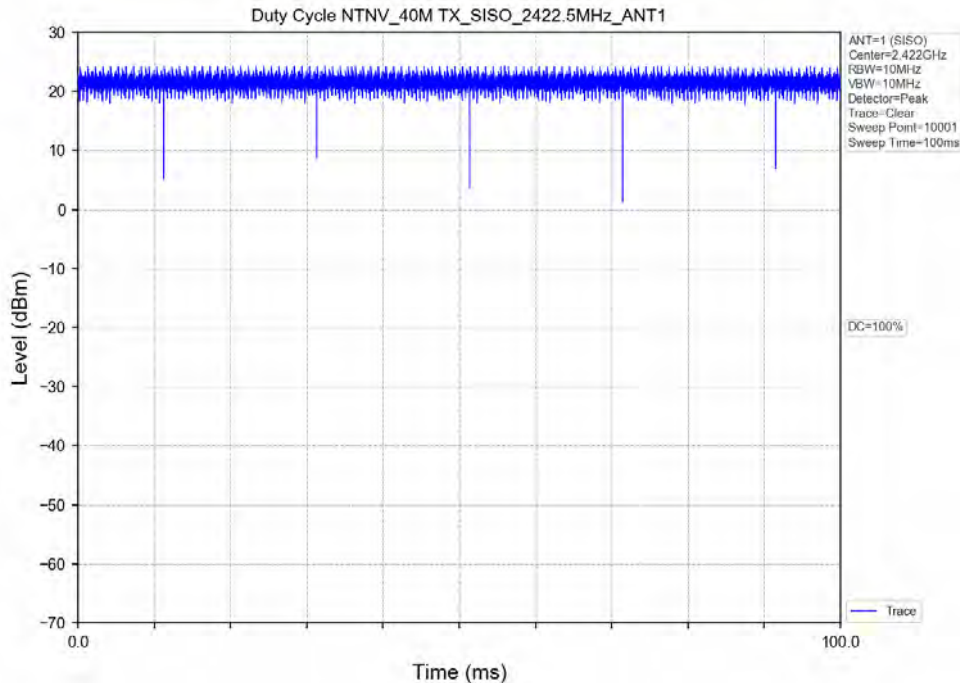
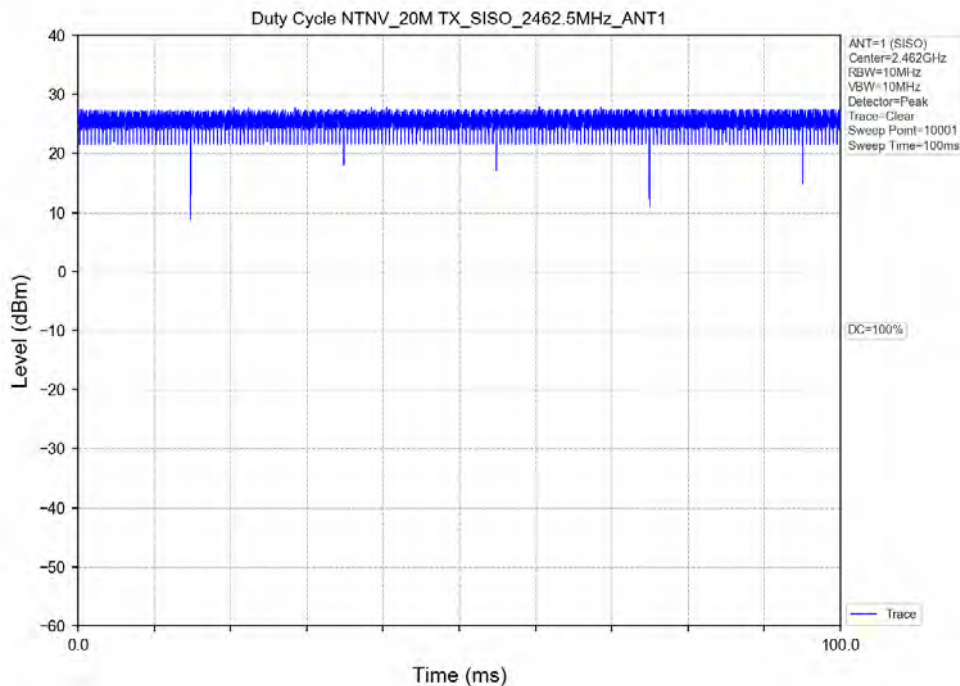
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
10M TX	2407.5	SISO	1	100.000	100.000	100.00	0.00
	2437.5	SISO	1	100.000	100.000	100.00	0.00
	2467.5	SISO	1	100.000	100.000	100.00	0.00
20M TX	2412.5	SISO	1	100.000	100.000	100.00	0.00
	2437.5	SISO	1	100.000	100.000	100.00	0.00
	2462.5	SISO	1	100.000	100.000	100.00	0.00
40M TX	2422.5	SISO	1	100.000	100.000	100.00	0.00
	2437.5	SISO	1	100.000	100.000	100.00	0.00
	2452.5	SISO	1	100.000	100.000	100.00	0.00

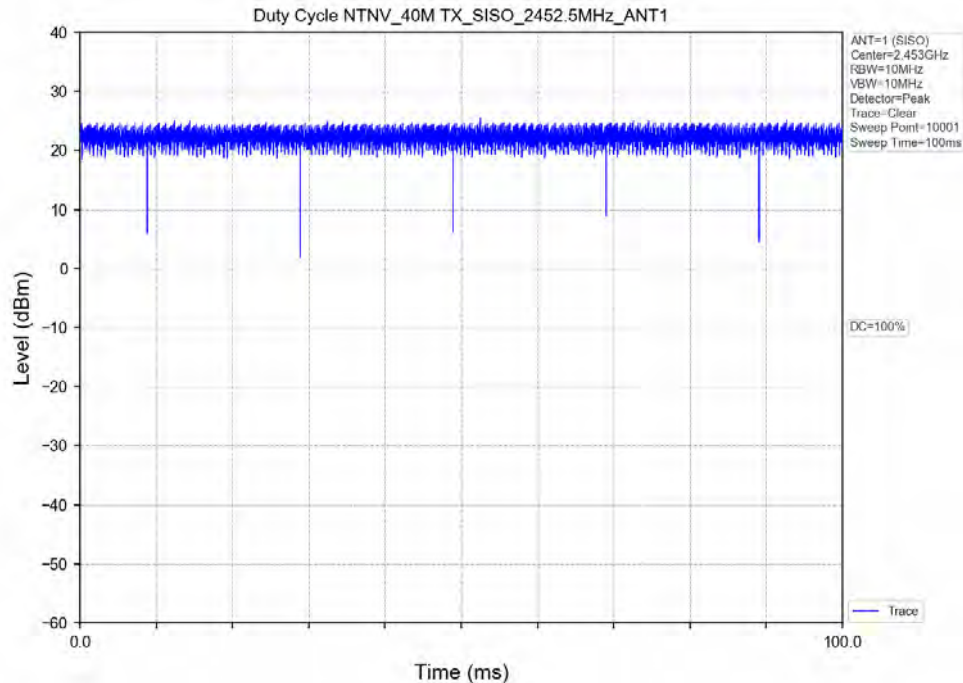
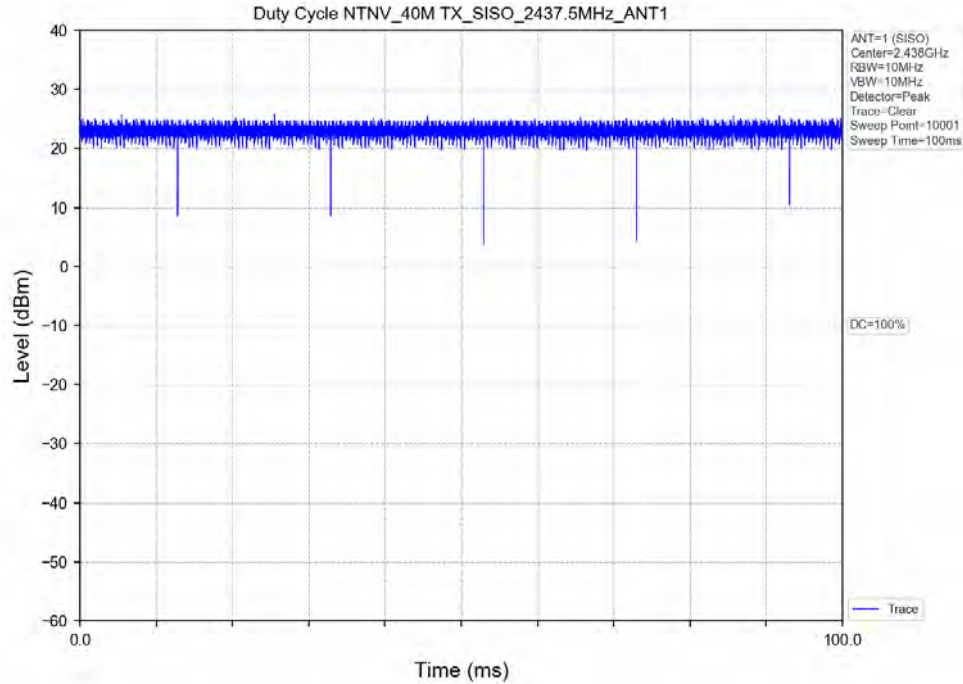
1.2 Test Graph









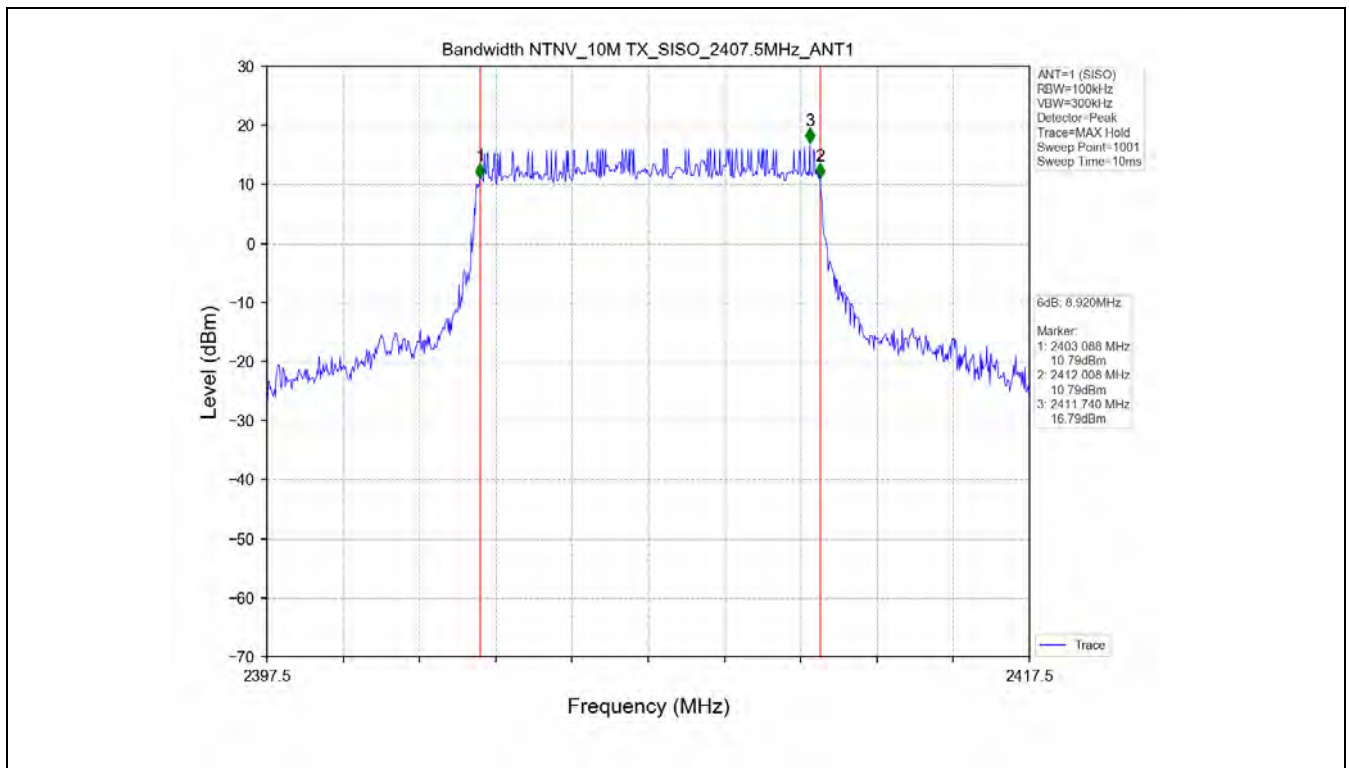


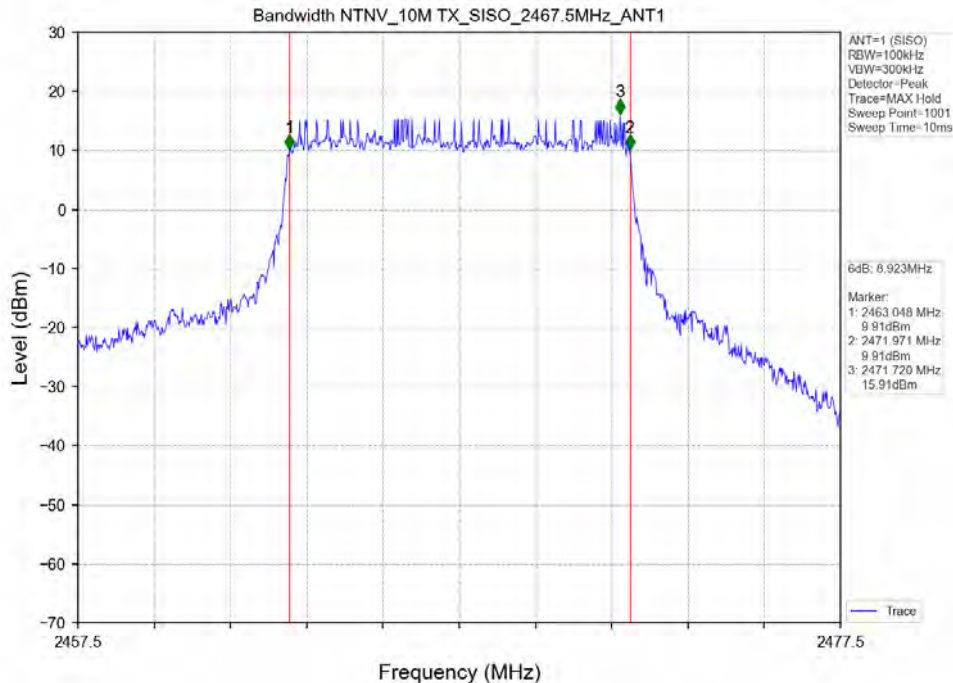
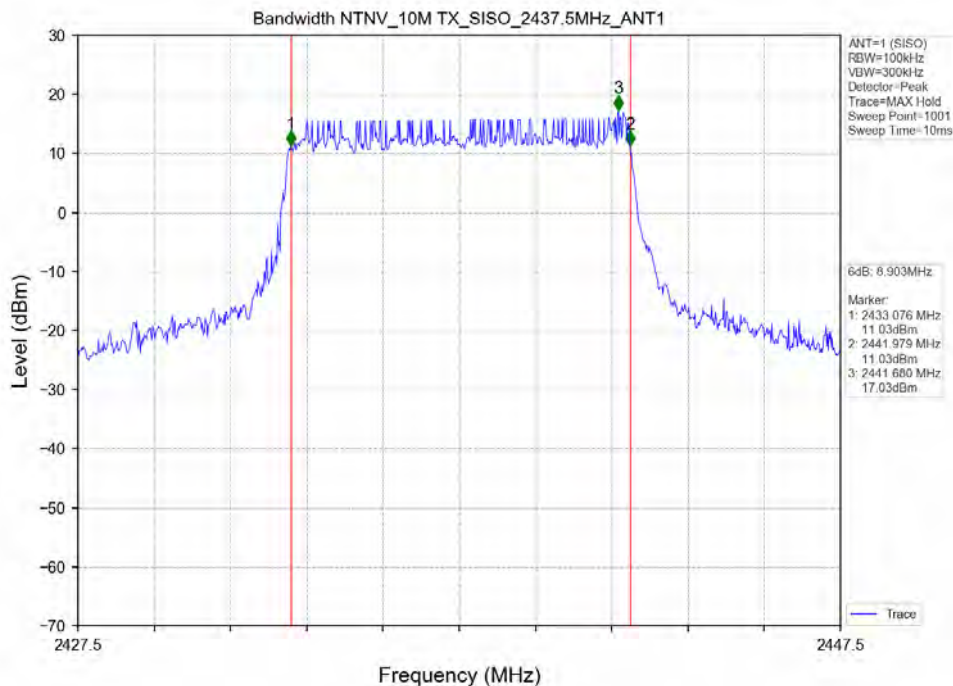
2. Bandwidth

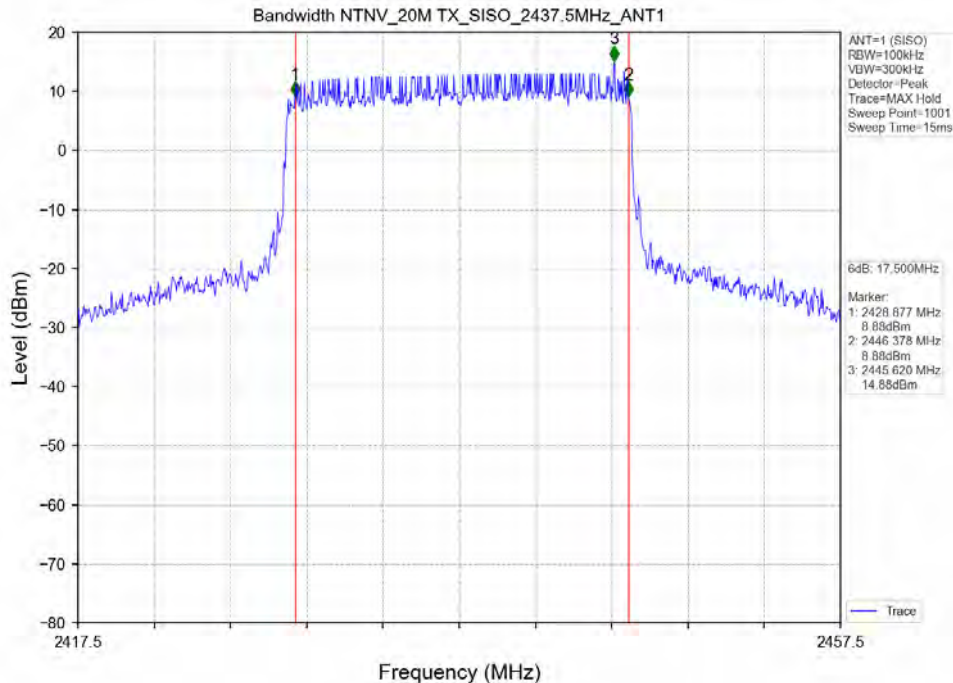
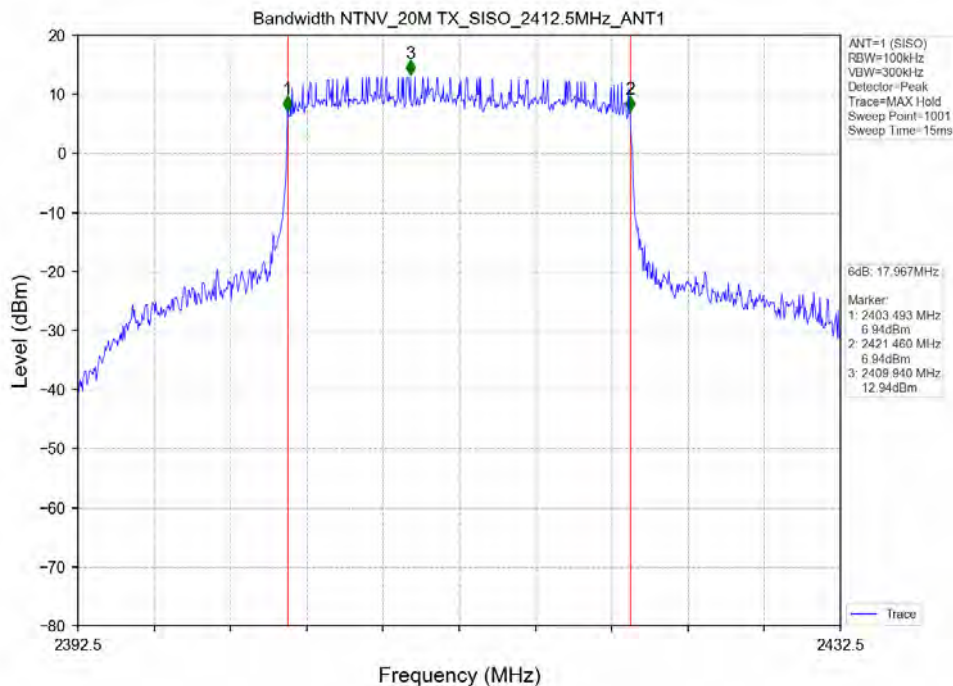
2.1 Test Result

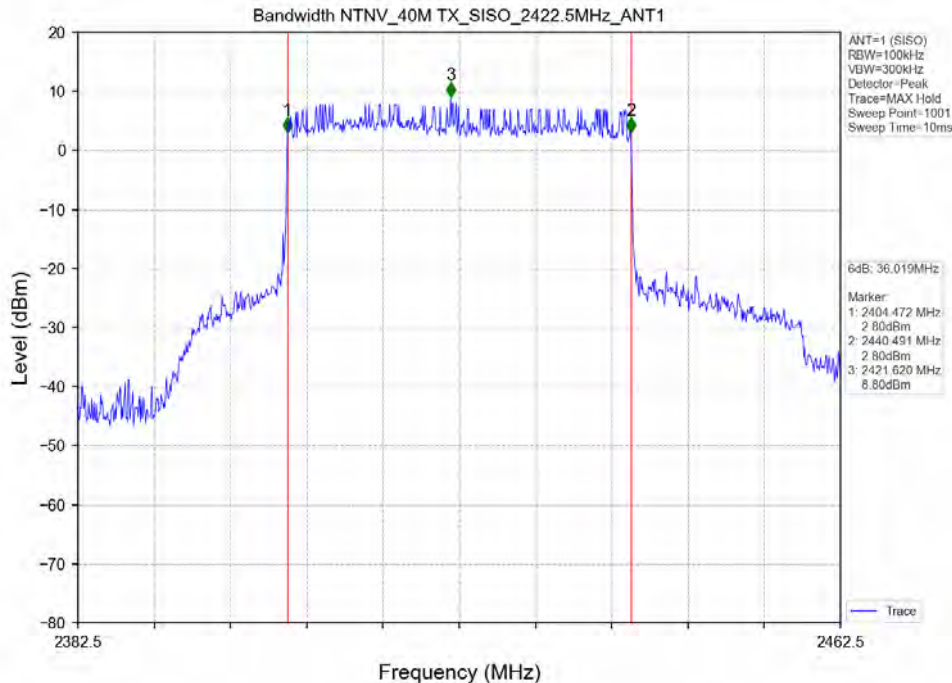
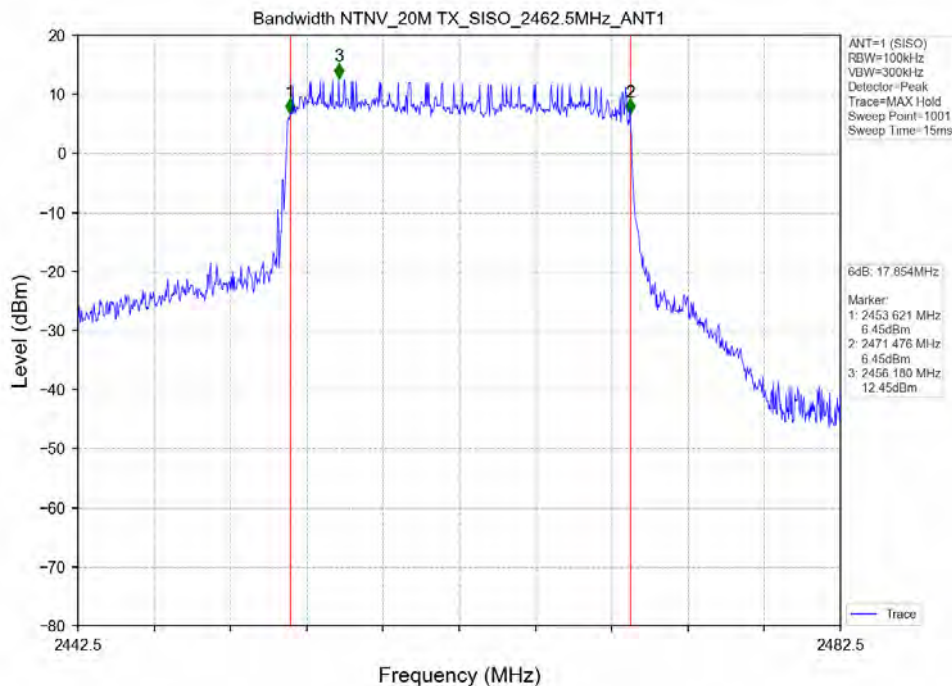
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
10M TX	2407.5	SISO	1	8.920	≥0.5	PASS
	2437.5	SISO	1	8.903	≥0.5	PASS
	2467.5	SISO	1	8.923	≥0.5	PASS
20M TX	2412.5	SISO	1	17.967	≥0.5	PASS
	2437.5	SISO	1	17.500	≥0.5	PASS
	2462.5	SISO	1	17.854	≥0.5	PASS
40M TX	2422.5	SISO	1	36.019	≥0.5	PASS
	2437.5	SISO	1	33.837	≥0.5	PASS
	2452.5	SISO	1	35.513	≥0.5	PASS

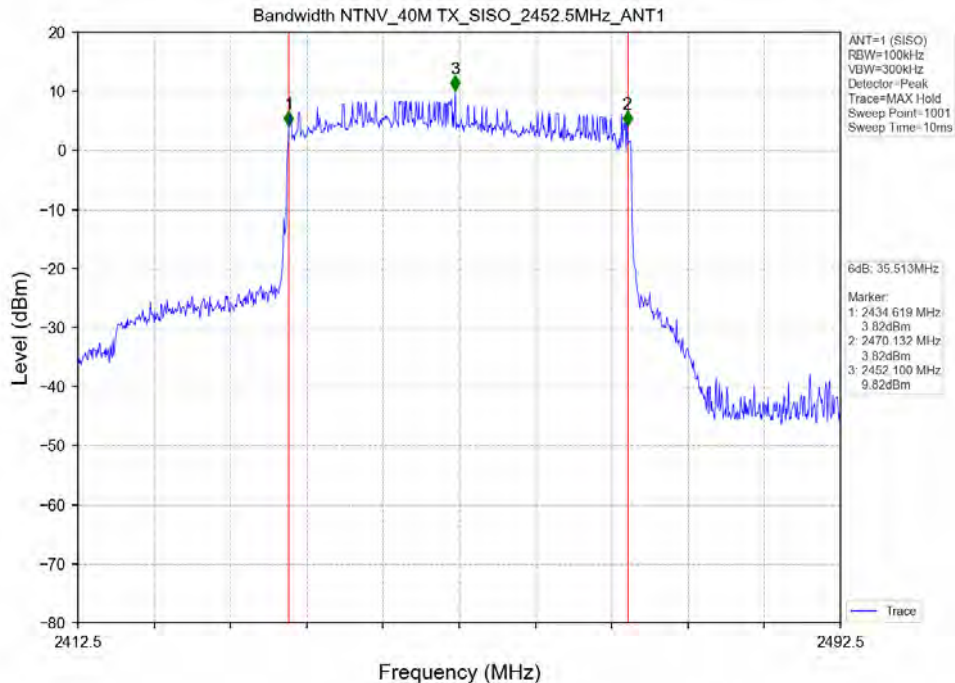
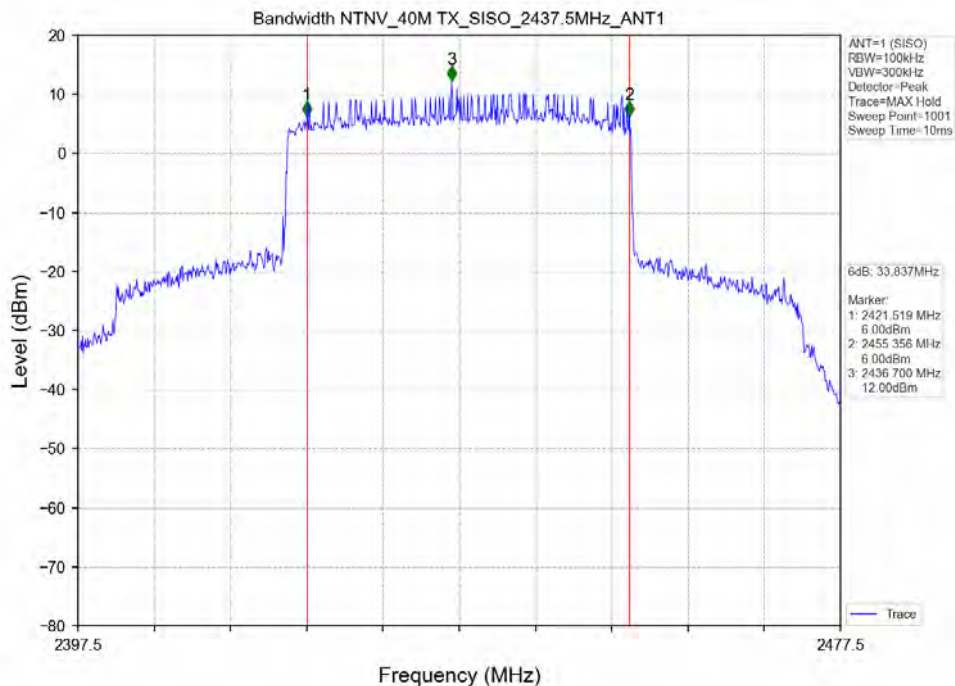
2.2 Test Graph - 6dB Bandwidth













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		
10M TX	2407.5	SISO	23.35	23.18	22.96	23.36	30	PASS
	2437.5	SISO	23.31	23.39	23.56	23.20	30	PASS
	2467.5	SISO	22.70	23.44	23.40	23.88	30	PASS
20M TX	2412.5	SISO	22.98	23.08	23.66	23.01	30	PASS
	2437.5	SISO	22.72	22.78	23.07	22.89	30	PASS
	2462.5	SISO	22.26	22.63	22.32	22.53	30	PASS
40M TX	2422.5	SISO	21.03	20.78	21.65	21.56	30	PASS
	2437.5	SISO	22.89	22.62	22.47	22.49	30	PASS
	2452.5	SISO	20.96	20.52	21.53	21.40	30	PASS



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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	Ant 3	Ant 4		
10M TX	2407.5	SISO	-1.85	-1.77	-2.14	-1.57	≤8	PASS
	2437.5	SISO	-2.20	-1.68	-1.56	-0.79	≤8	PASS
	2467.5	SISO	-2.49	-1.72	-1.51	-1.20	≤8	PASS
20M TX	2412.5	SISO	-4.93	-4.75	-4.44	-4.73	≤8	PASS
	2437.5	SISO	-4.83	-4.65	-4.26	-4.76	≤8	PASS
	2462.5	SISO	-5.62	-5.01	-5.67	-5.22	≤8	PASS
40M TX	2422.5	SISO	-9.78	-10.05	-9.27	-9.25	≤8	PASS
	2437.5	SISO	-7.63	-7.28	-7.57	-7.70	≤8	PASS
	2452.5	SISO	-9.13	-9.58	-8.88	-8.32	≤8	PASS

4.2 Test Graph

