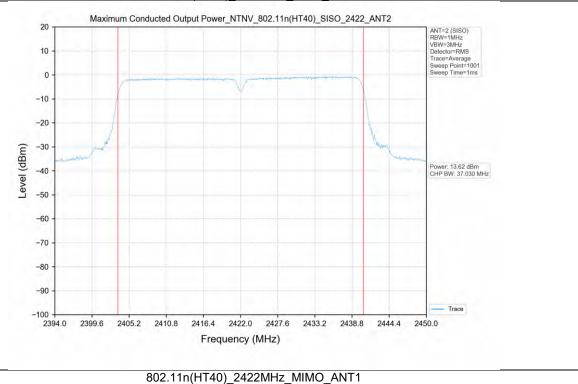
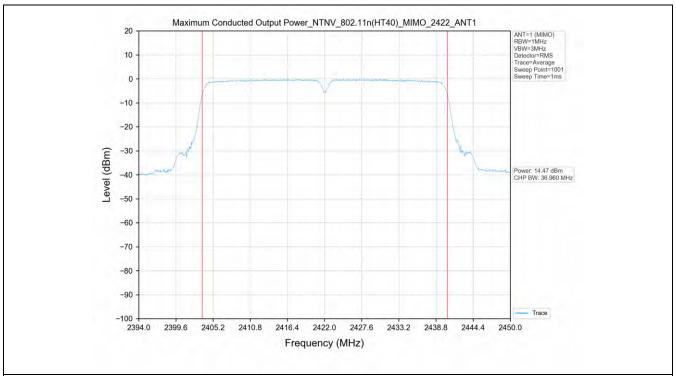


802.11n(HT40)_2422MHz_SISO_ANT2



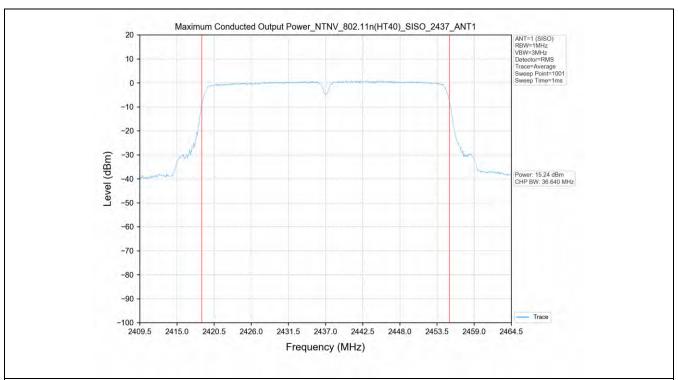




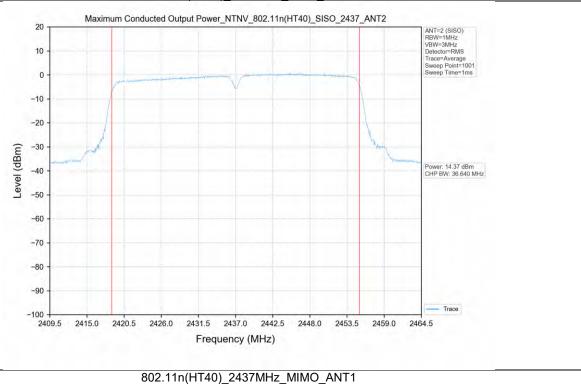
802.11n(HT40)_2422MHz_MIMO_ANT2



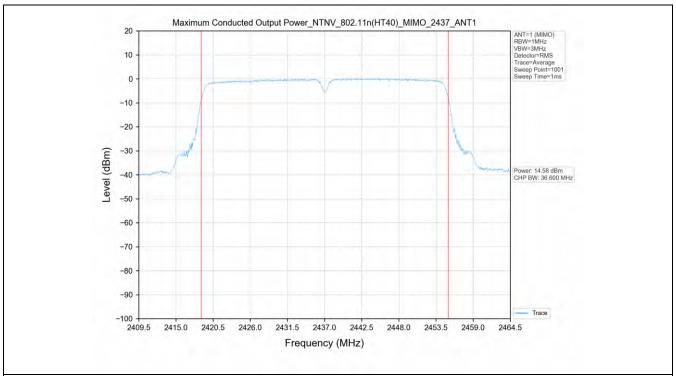




802.11n(HT40)_2437MHz_SISO_ANT2



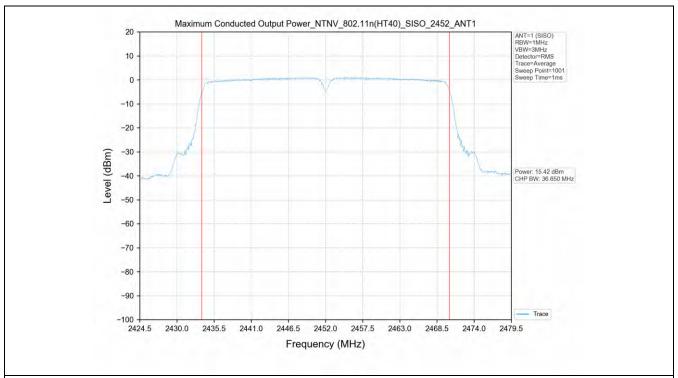




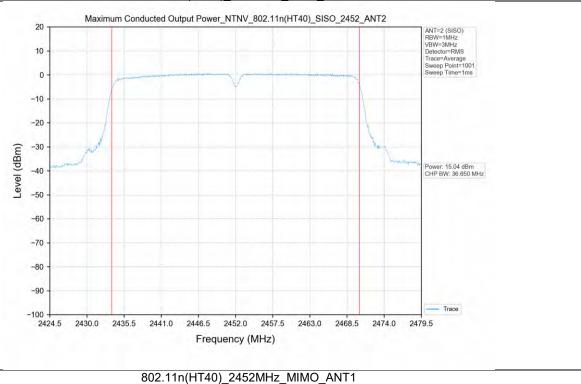
802.11n(HT40) 2437MHz MIMO ANT2



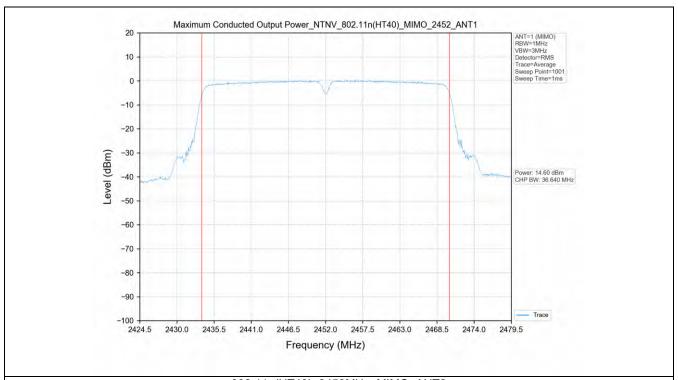




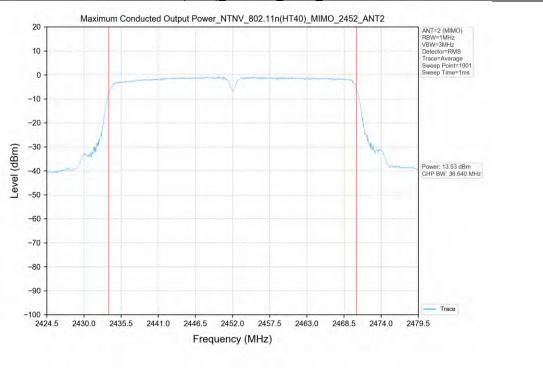
802.11n(HT40)_2452MHz_SISO_ANT2







802.11n(HT40)_2452MHz_MIMO_ANT2

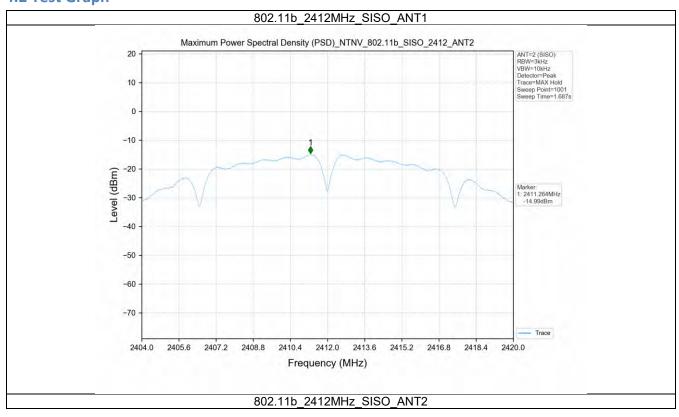


4. Maximum Power Spectral Density (PSD)

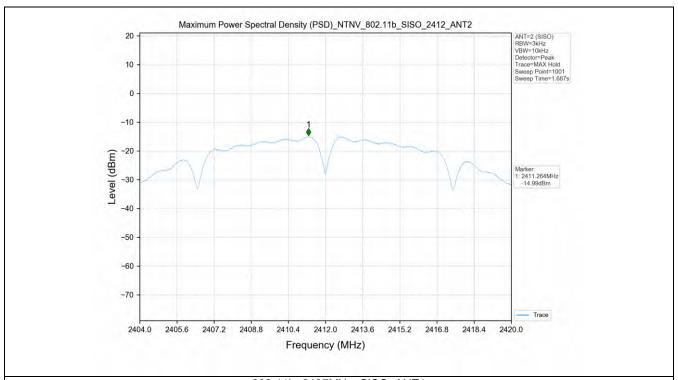
4.1 Test Result

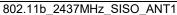
Test Mode	Frequency (MHz)	Тх Туре	Maximum Power Spectral Density (dBm/3KHz)			Limits	Verdict
			Ant 1	Ant 2	Total	(dBm/3kHz)	
802.11b	2412	SISO	-12.78	-14.99	1	≤8	PASS
	2437	SISO	-12.89	-13.86	1	≤8	PASS
	2462	SISO	-12.67	-13.26	1	≤8	PASS
802.11g	2412	SISO	-11.99	-13.88	1	≤8	PASS
	2437	SISO	-11.93	-12.78	1	≤8	PASS
	2462	SISO	-11.84	-12.33	1	≤8	PASS
802.11n(HT20)	2412	SISO	-11.87	-13.10	1	≤8	PASS
		MIMO	-12.45	-14.43	-10.32	≤8	PASS
	2437	SISO	-12.09	-12.77	1	≤8	PASS
		MIMO	-12.74	-14.32	-10.52	≤8	PASS
	2462	SISO	-11.61	-11.78	1	≤8	PASS
		MIMO	-12.13	-13.25	-9.69	≤8	PASS
802.11n(HT40)	2422	SISO	-13.18	-14.76	1	≤8	PASS
		MIMO	-14.09	-17.03	-12.41	≤8	PASS
	2437	SISO	-12.89	-15.79	1	≤8	PASS
		MIMO	-14.86	-15.95	-12.89	≤8	PASS
	2452	SISO	-12.83	-15.24	1	≤8	PASS
		MIMO	-13.49	-14.23	-10.83	≤8	PASS

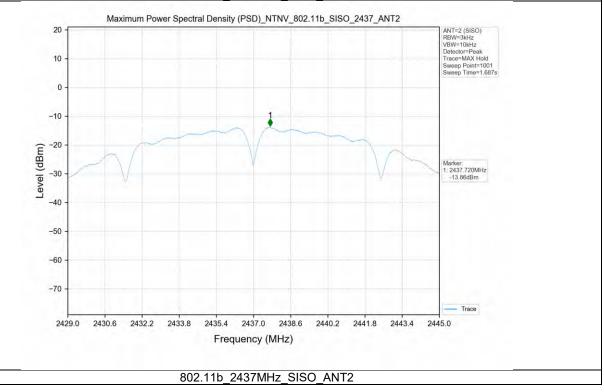
4.2 Test Graph



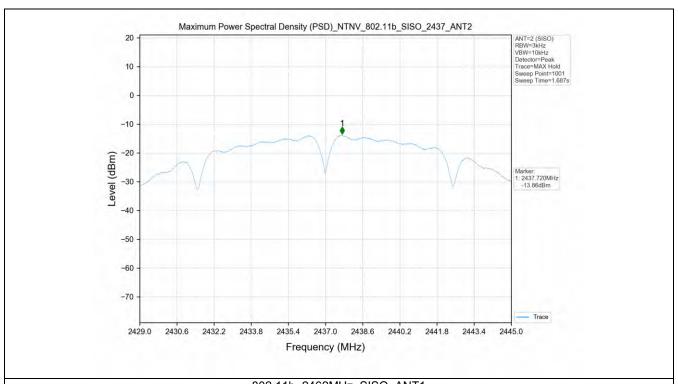








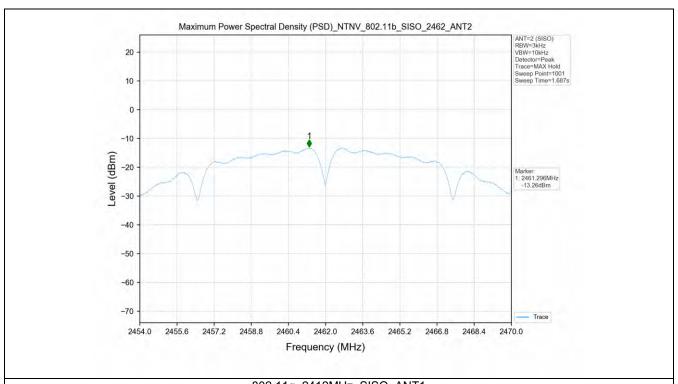


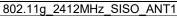


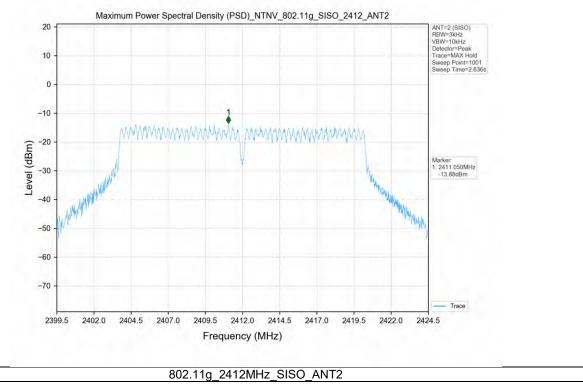
802.11b_2462MHz_SISO_ANT1



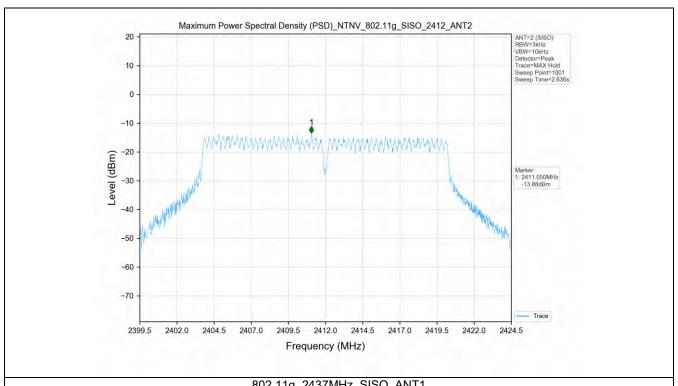






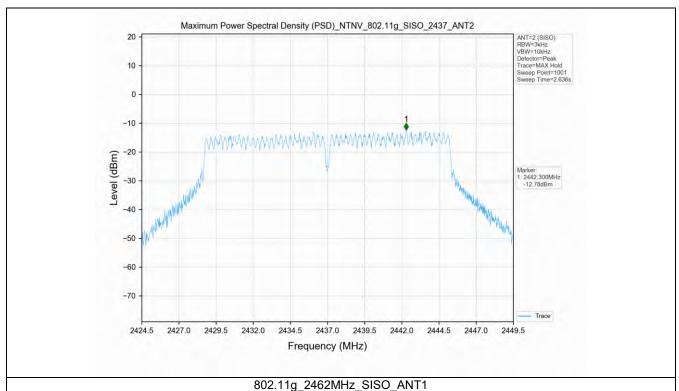


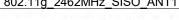


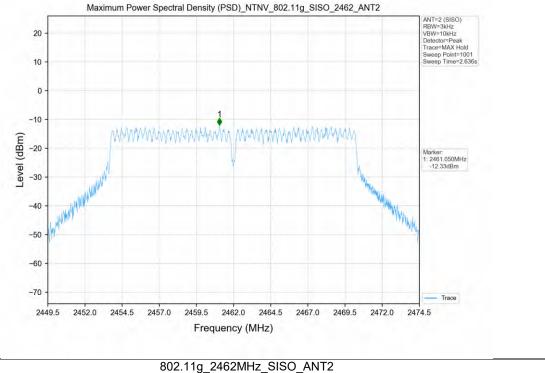


802.11g 2437MHz SISO ANT1 Maximum Power Spectral Density (PSD)_NTNV_802.11g_SISO_2437_ANT2 20 RBW=3kHz VBW=10kHz Detector=Peak Trace=MAX Hold Sweep Point=1001 Sweep Time=2.636s 10 0 -10 -20 Level (dBm) Marker: 1: 2442.300MHz -12.78dBm -30 -40 -50 -60 -70 Trace 2447.0 2427.0 2429.5 2432.0 2434.5 2437.0 2439.5 2442.0 2444.5 2424.5 2449.5 Frequency (MHz) 802.11g_2437MHz_SISO_ANT2

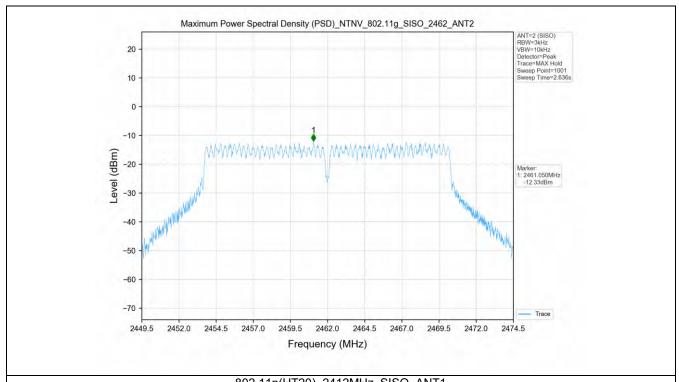


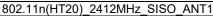


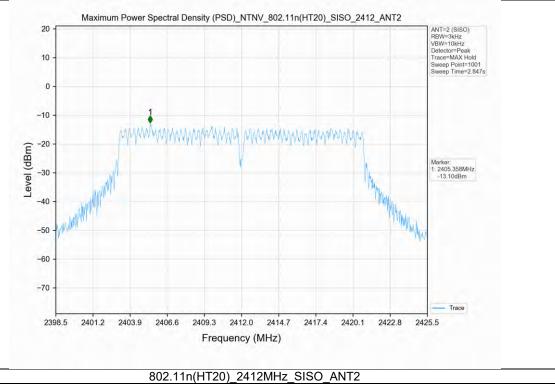




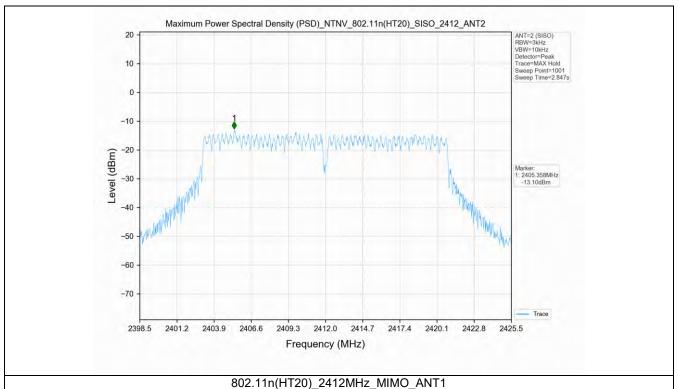






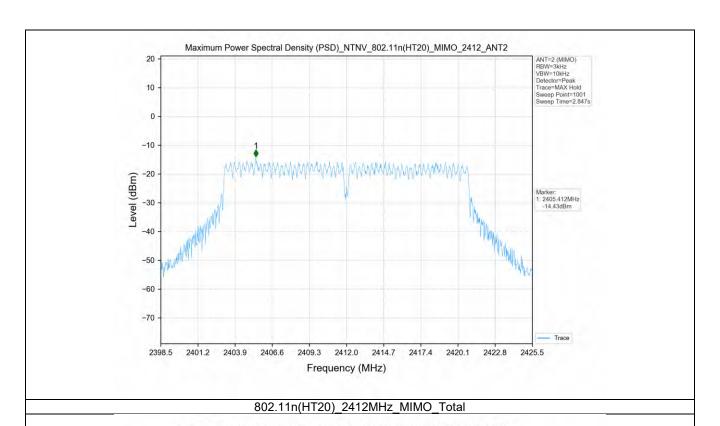


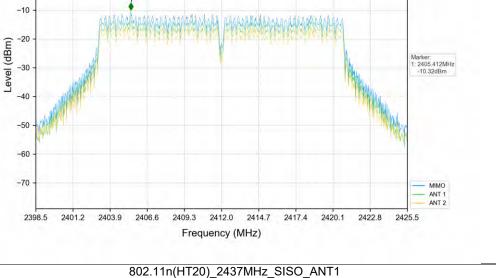




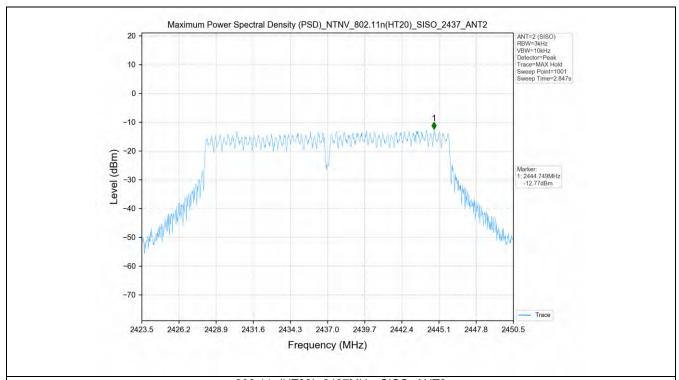
Maximum Power Spectral Density (PSD)_NTNV_802.11n(HT20)_MIMO_2412_ANT1 ANT=1 (MIMO) RBW=3kHz VBW=10kHz Detector=Peak Trace=MAX Hold Sweep Point=1001 Sweep Time=2.847s 10 0 -10 Whyng hallmhallan byll Mannan Mondan wyllin -20 Level (dBm) Marker: 1: 2405.412MHz -12.45dBm -30 -40 -50 -60 -70 2401.2 2403.9 2406.6 2412.0 2414.7 2417.4 2420.1 2422.8 2398.5 2409.3 2425.5 Frequency (MHz) 802.11n(HT20)_2412MHz_MIMO_ANT2



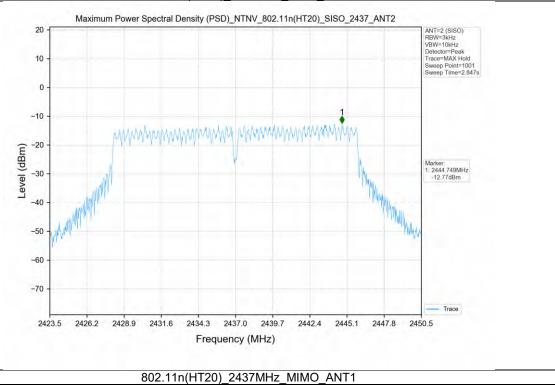




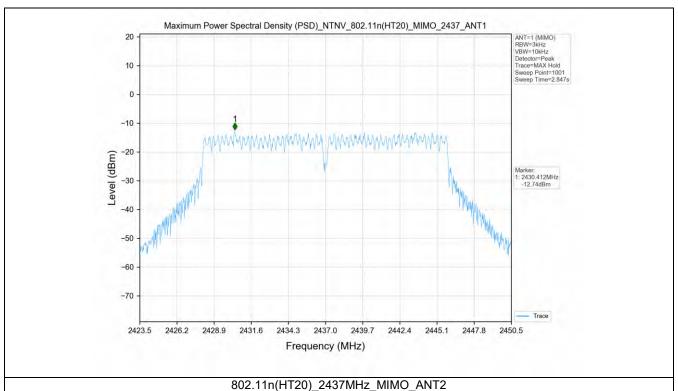




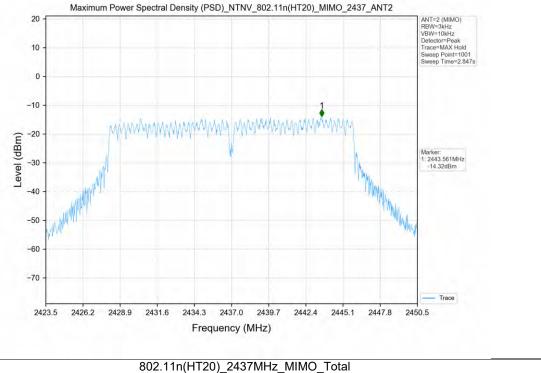
802.11n(HT20)_2437MHz_SISO_ANT2



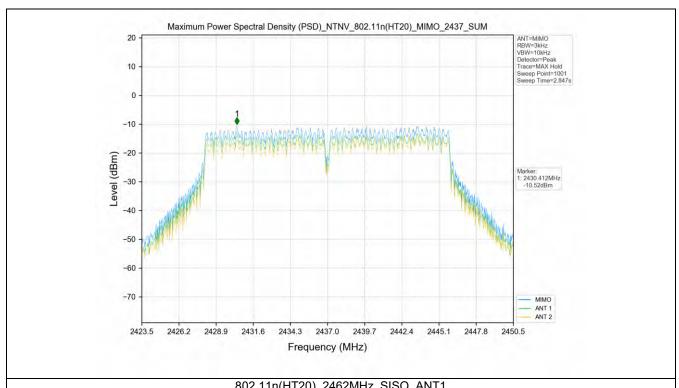




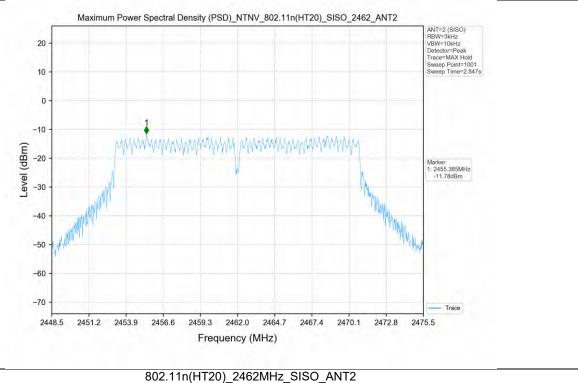
802.11n(H120)_2437MHZ_MIMO_AN12



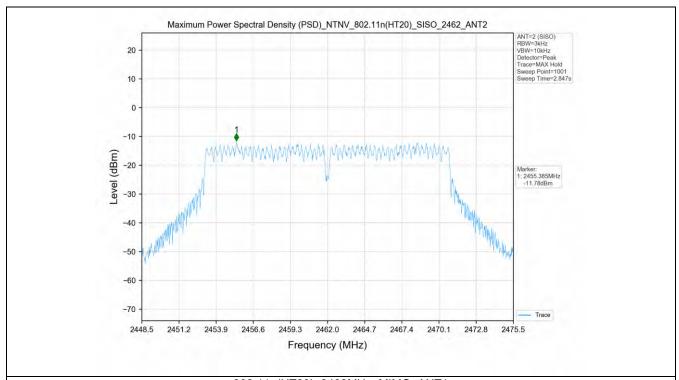


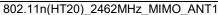


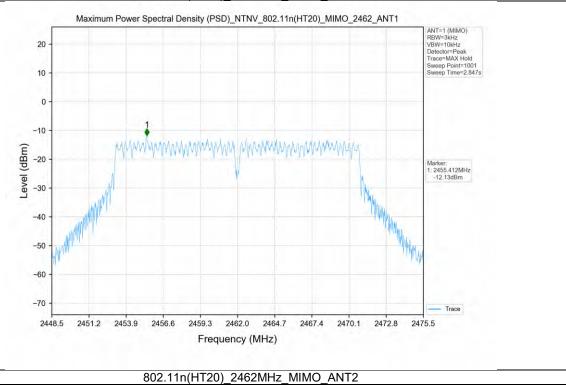
802.11n(HT20)_2462MHz_SISO_ANT1



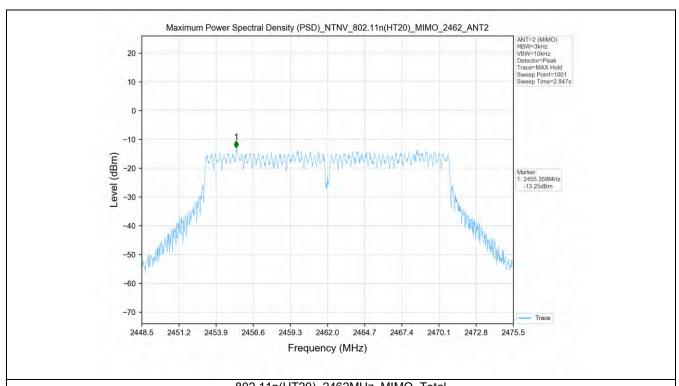


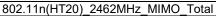


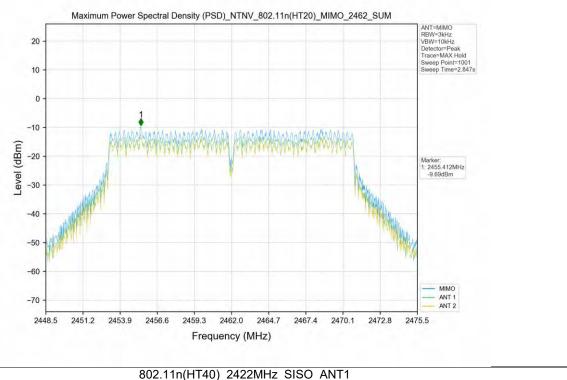




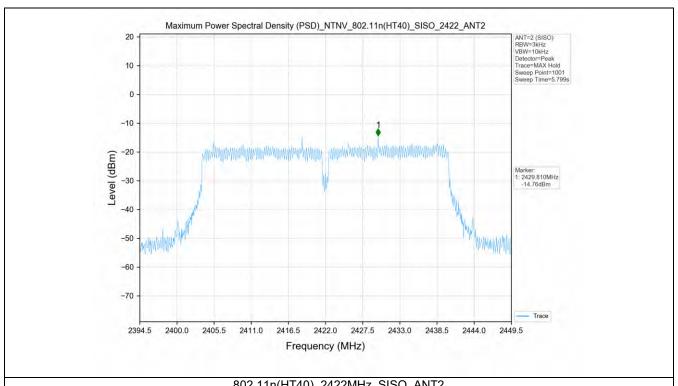








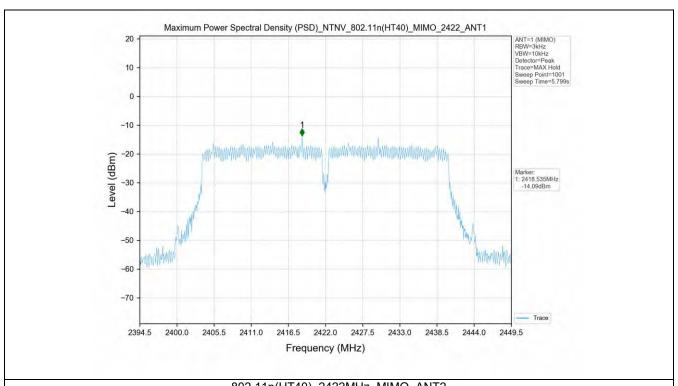




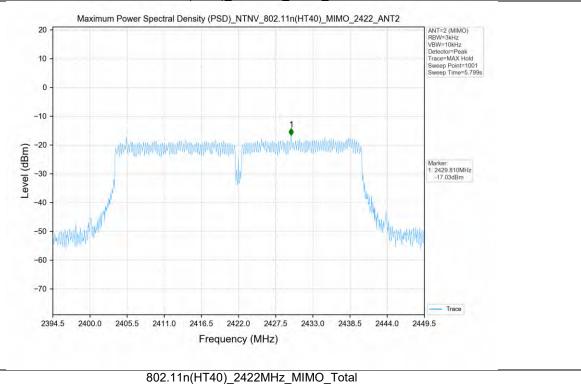
802.11n(HT40)_2422MHz_SISO_ANT2 Maximum Power Spectral Density (PSD)_NTNV_802.11n(HT40)_SISO_2422_ANT2 ANT=2 (SISO) RBW=3kHz VBW=10kHz Detector=Peak Trace=MAX Hold Sweep Point=1001 Sweep Time=5.799s 10 0 -10 -20 Level (dBm) Marker: 1: 2429.810MHz -14.76dBm -30 -40 -50 -60 -70 Trace 2400.0 2405.5 2411.0 2416.5 2422.0 2427.5 2433.0 2438.5 2444.0 2394.5 2449.5 Frequency (MHz)

802.11n(HT40)_2422MHz_MIMO_ANT1

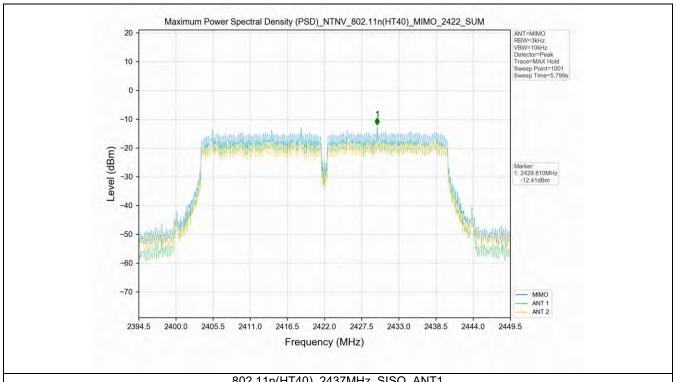


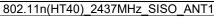


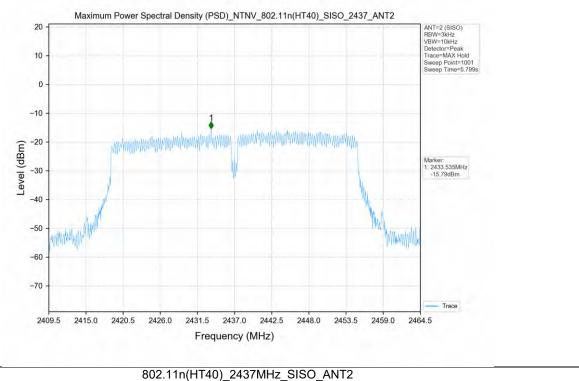
802.11n(HT40)_2422MHz_MIMO_ANT2



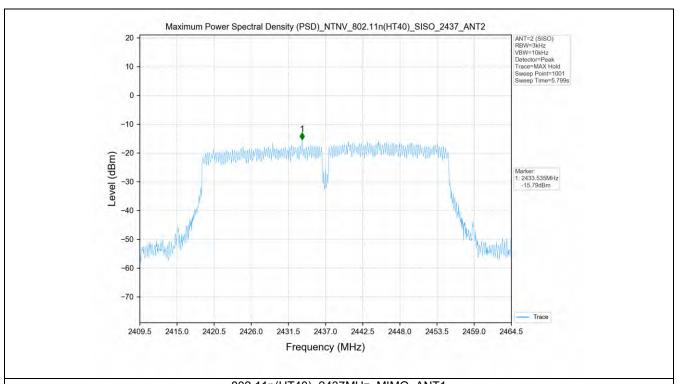


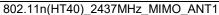


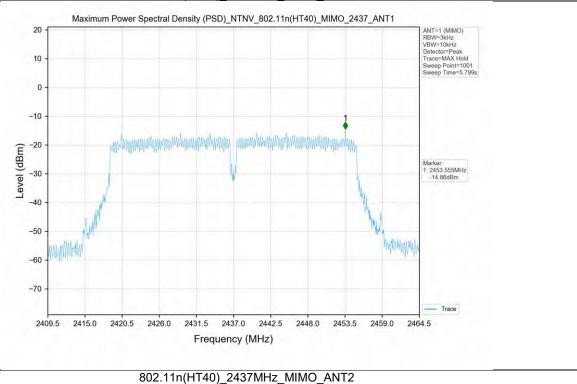




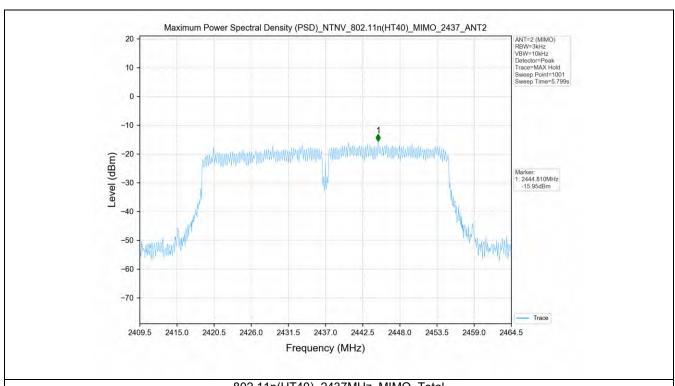




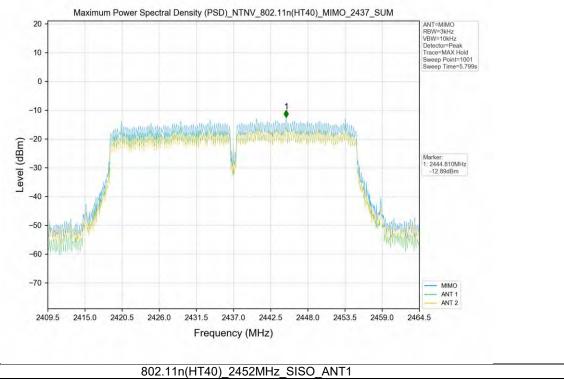




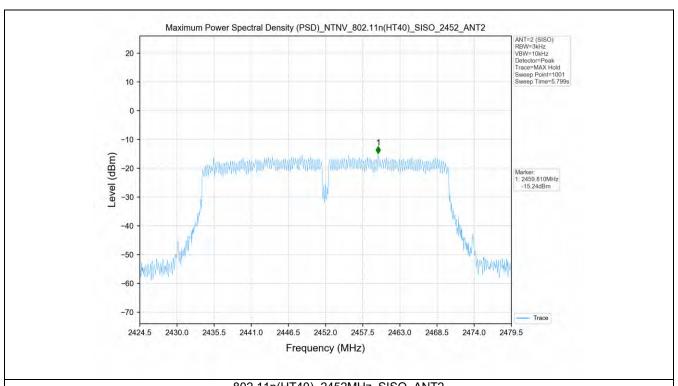




802.11n(HT40)_2437MHz_MIMO_Total



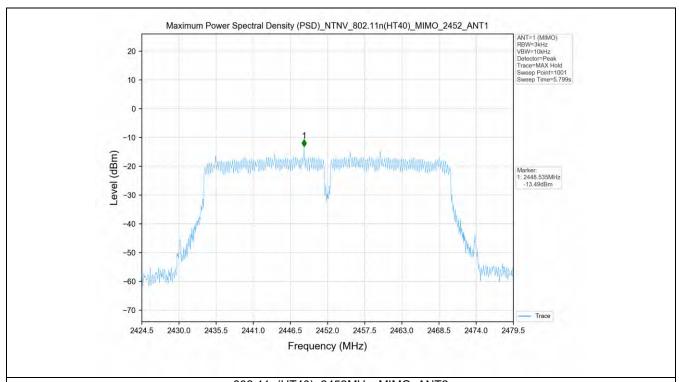


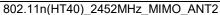


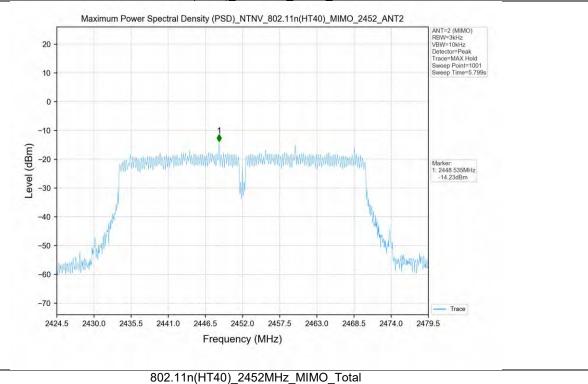
802.11n(HT40)_2452MHz_SISO_ANT2



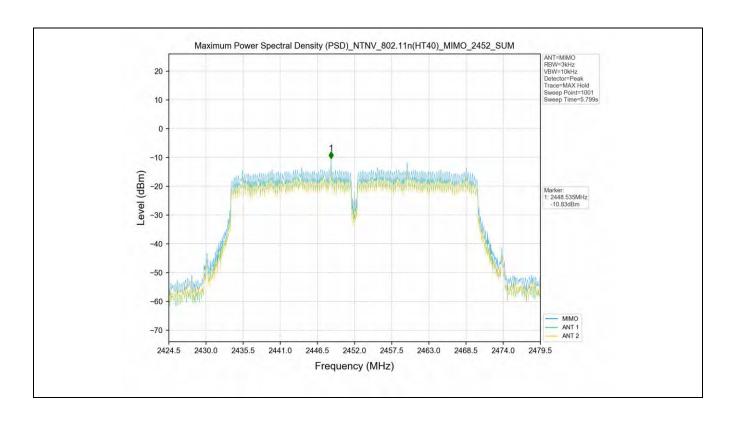












5. Unwanted Emissions in Non-restricted Frequency Bands

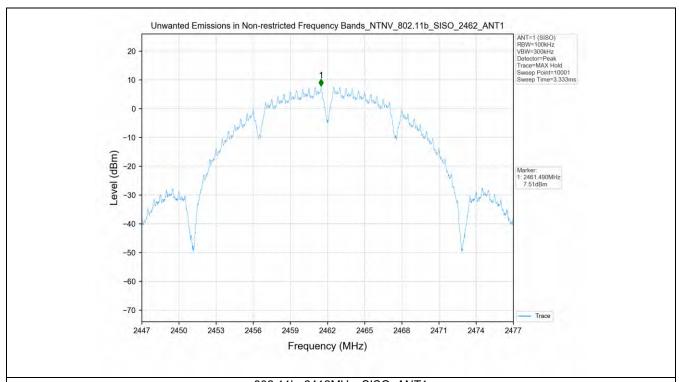
5.1 Test Result

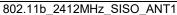
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBc)	Limits (dBc)	Verdict
802.11b	2412	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
	2437	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
	2462	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
802.11g	2412	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
	2437	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
	2462	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS
	2437	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS
	2462	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS
	2437	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS
	2452	SISO	1	Refer to test graph	≤-30	PASS
			2	Refer to test graph	≤-30	PASS
		MIMO	0	Refer to test graph	≤-30	PASS

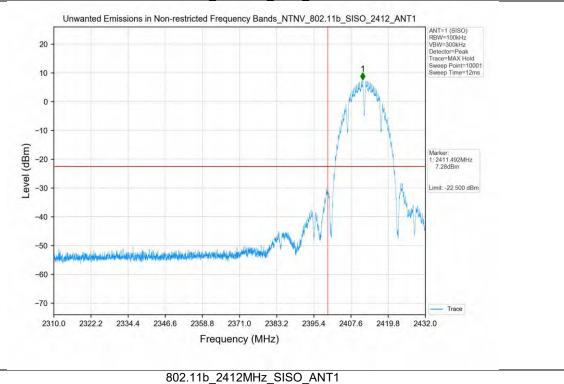
5.2 Test Graph

802.11b_SISO_ANT1_REF

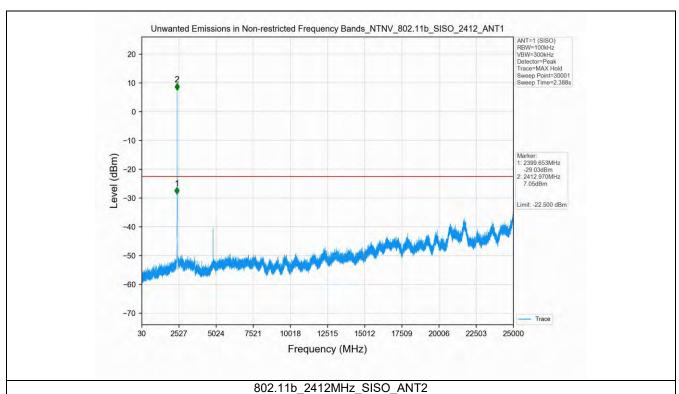


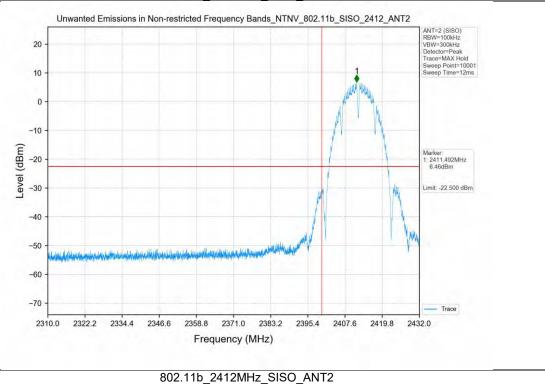








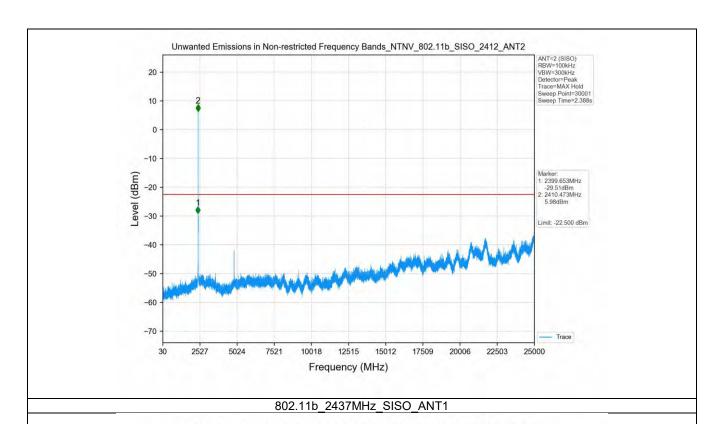






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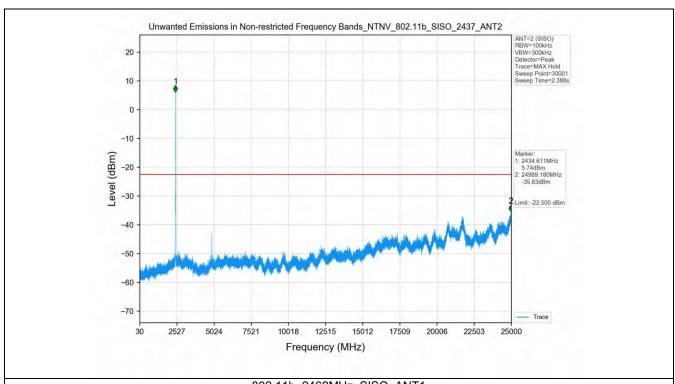
Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11b_SISO_2437_ANT1 ANT=1 (sISO) RBW=100M±2 VSW=300M±2 VSW=300M±3 VSweep Plants Trace=MAX Hold Sweep Time=2.388s Marker: 1: 2436.276M±2 7.36dbm 2: 35.5dbm 40 -40 -50 -60 -60

Frequency (MHz)

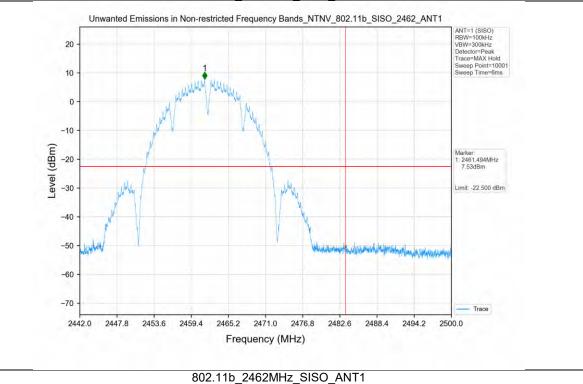
802.11b_2437MHz_SISO_ANT2

Trace

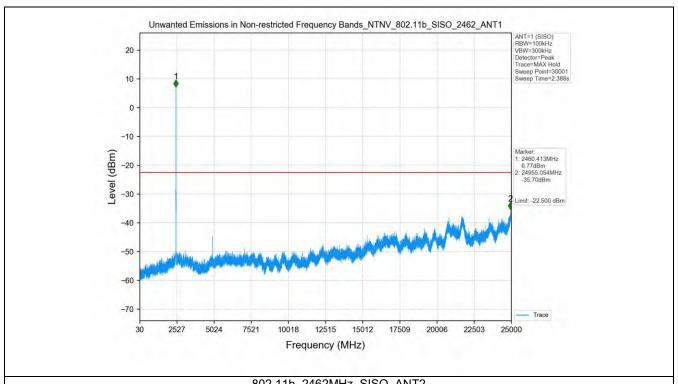


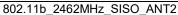


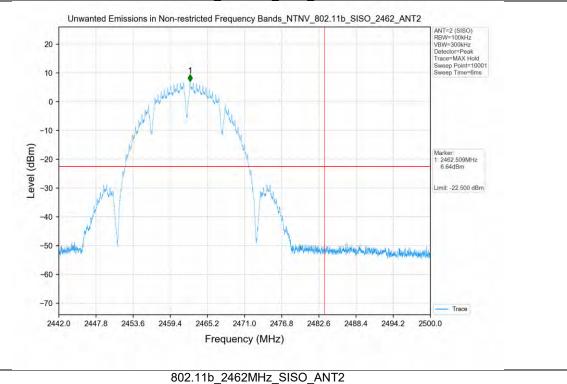
802.11b_2462MHz_SISO_ANT1



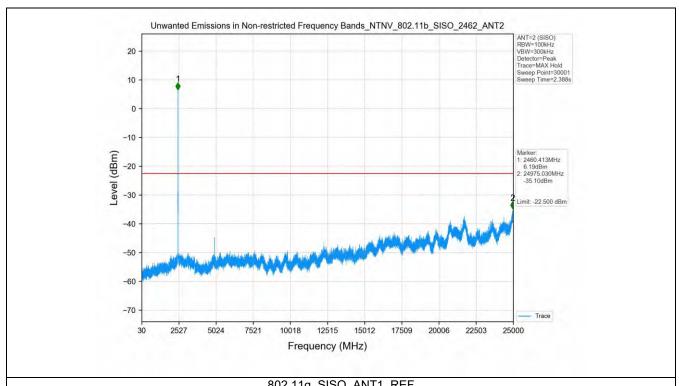




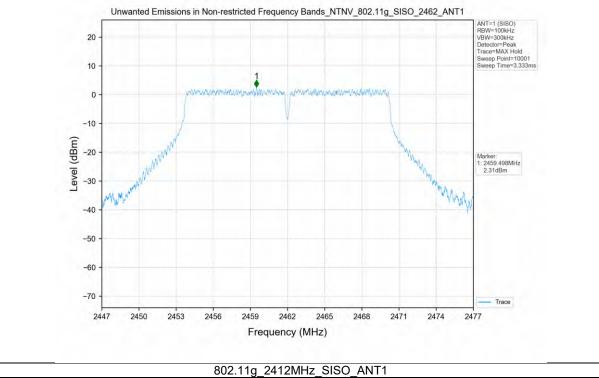




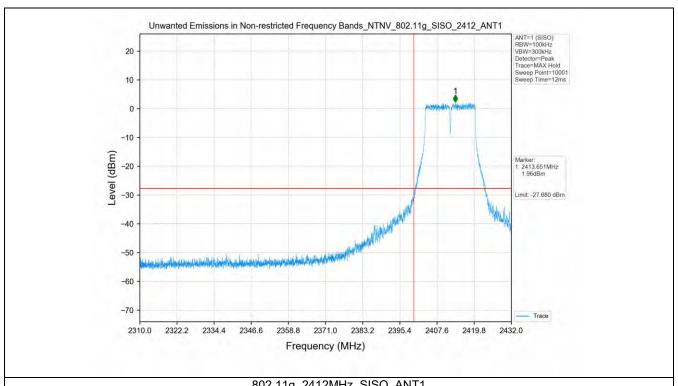




802.11g_SISO_ANT1_REF

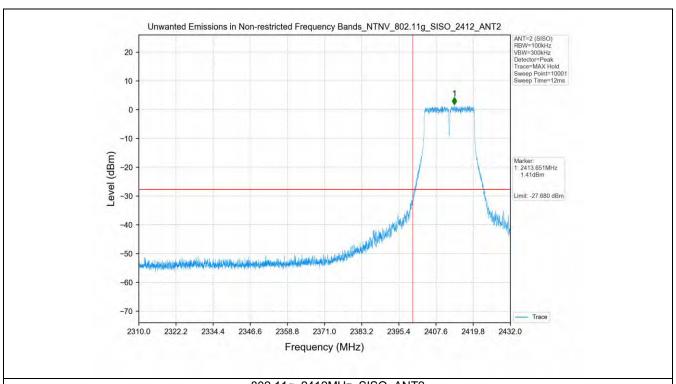






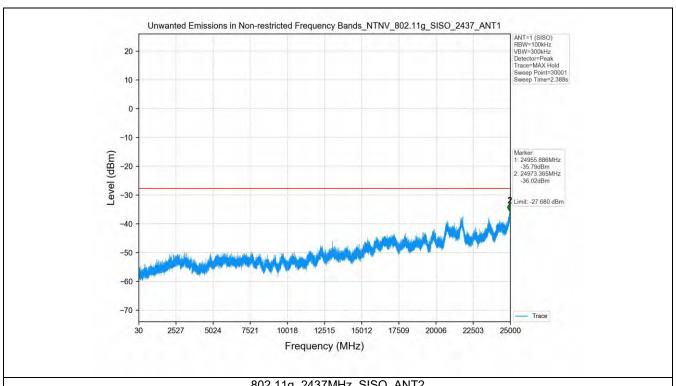
802.11g_2412MHz_SISO_ANT1 Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11g_SISO_2412_ANT1 ANT=1 (SISO) RBW=100kHz VBW=300kHz 20 Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2399.653MHz -30.60dBm 2: 2409.641MHz 1.86dBm Level (dBm) -20 -30 Limit: -27.680 dBm -40 -50 -60 -70 Trace 10018 12515 30 2527 5024 7521 15012 17509 20006 22503 25000 Frequency (MHz) 802.11g_2412MHz_SISO_ANT2

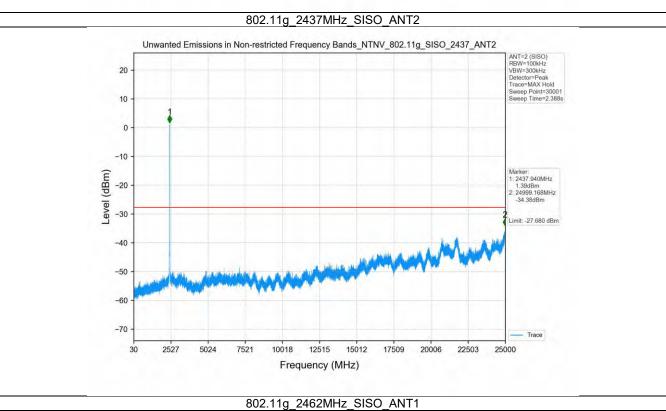




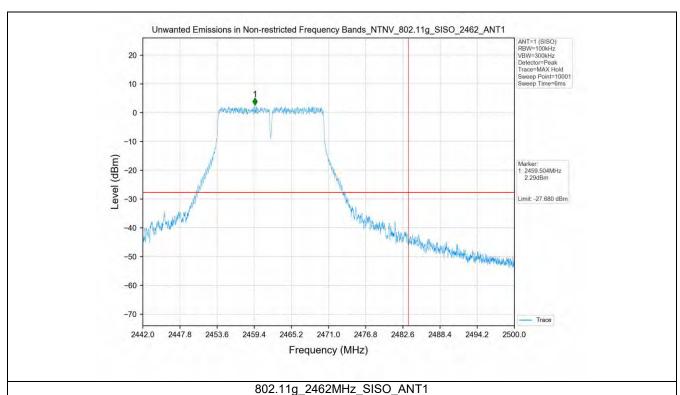
802.11g_2412MHz_SISO_ANT2 Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11g_SISO_2412_ANT2 ANT=2 (SISO) RBW=100kHz VBW=300kHz Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2399.653MHz -32.41dBm 2: 2413.803MHz 1.20dBm Level (dBm) -20 -30 Limit: -27.680 dBm -40 -50 -60 -70 Trace 10018 12515 30 2527 5024 7521 15012 17509 20006 22503 25000 Frequency (MHz) 802.11g_2437MHz_SISO_ANT1



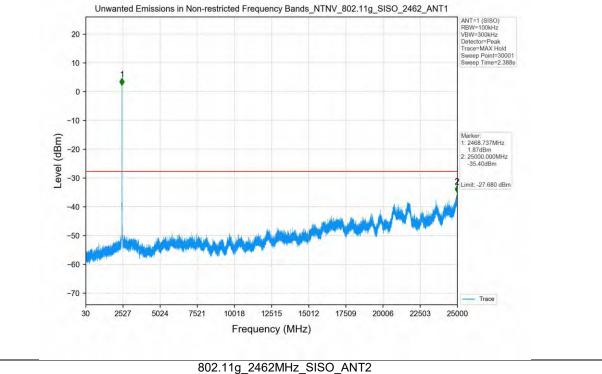




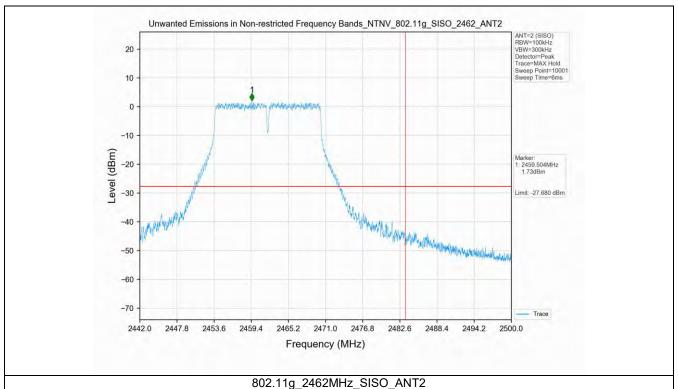


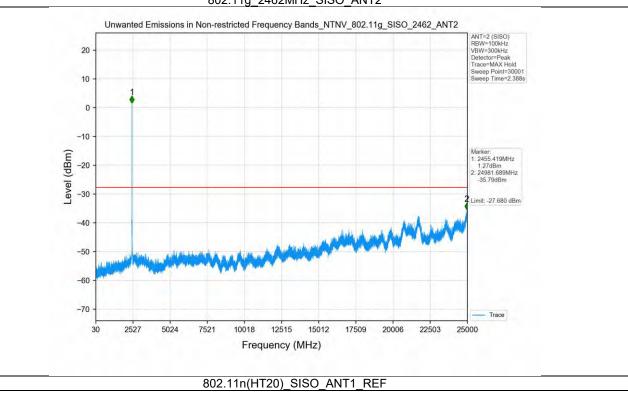


OUZ. 11g Z40ZIVII IZ SISO AIV11

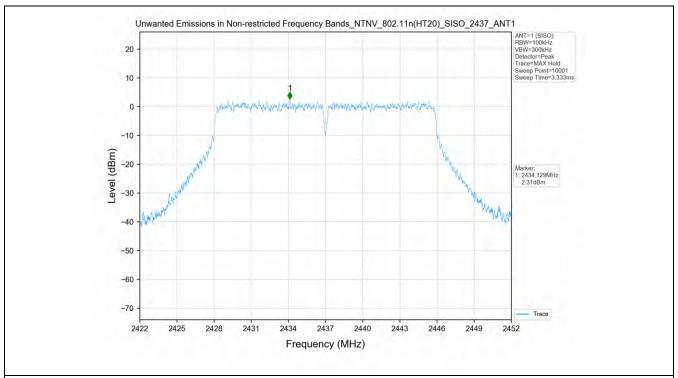


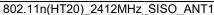


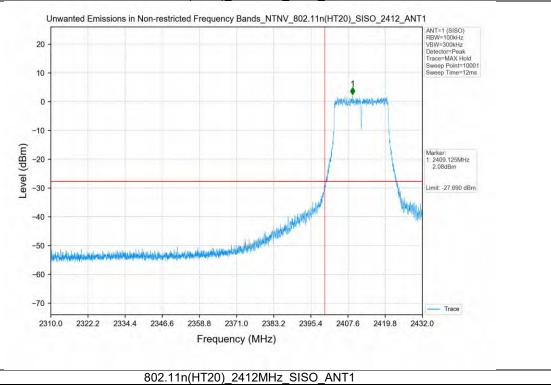




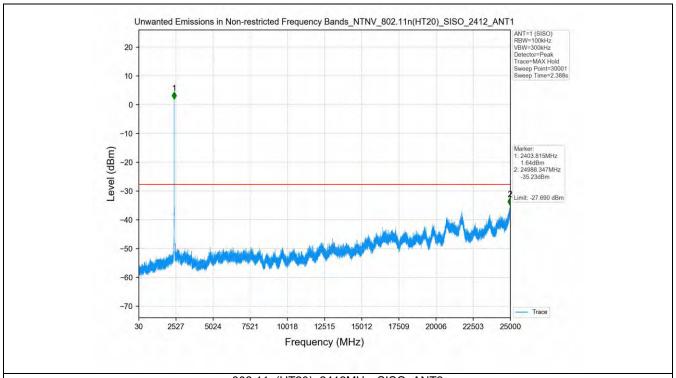


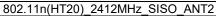


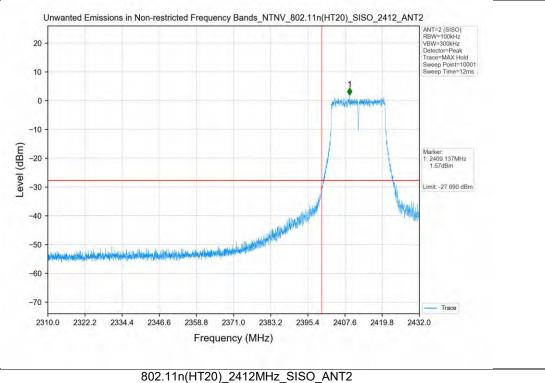




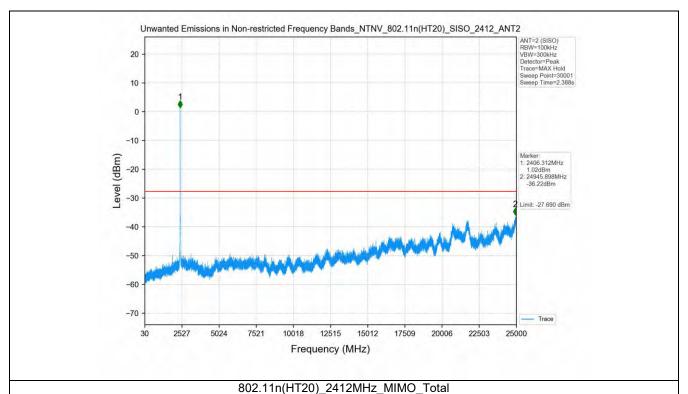


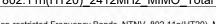


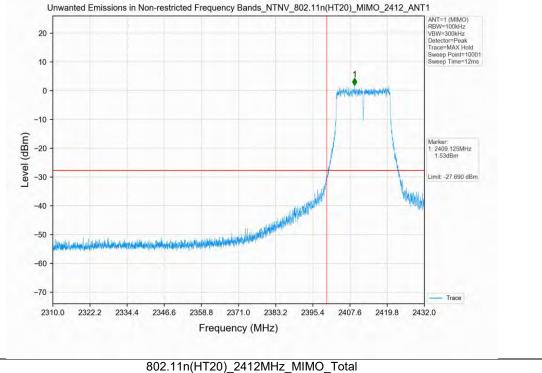




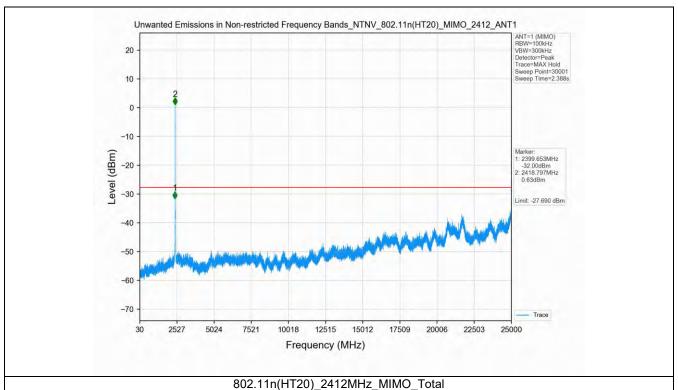


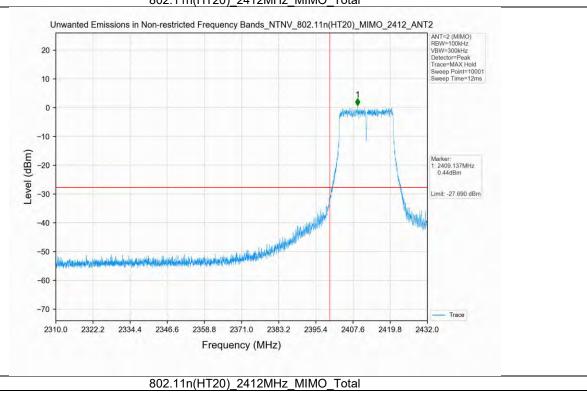




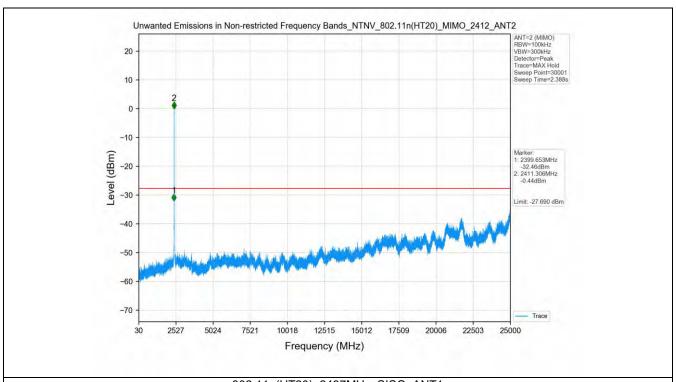


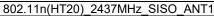


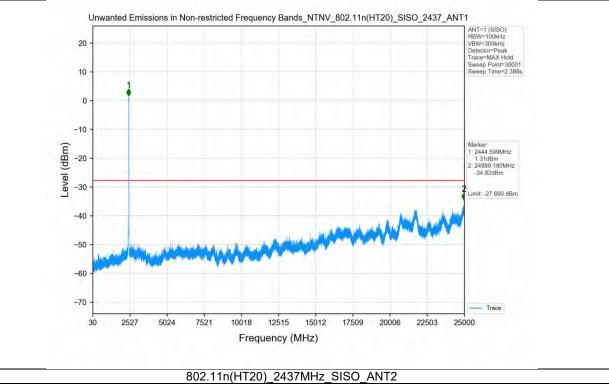




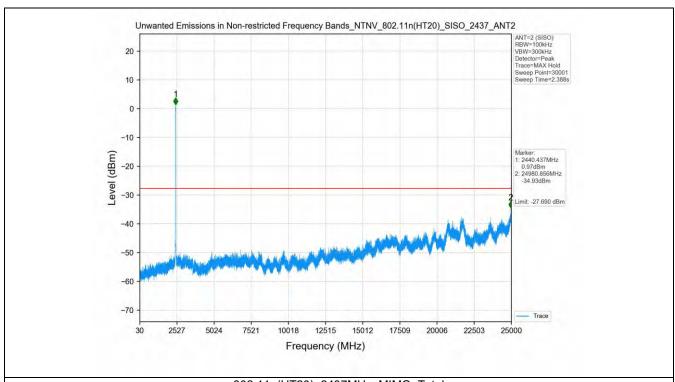


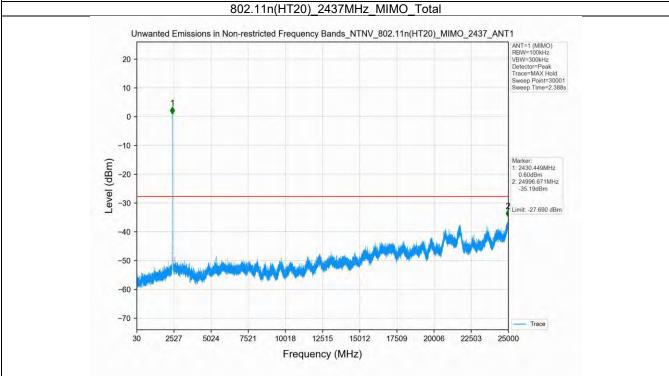






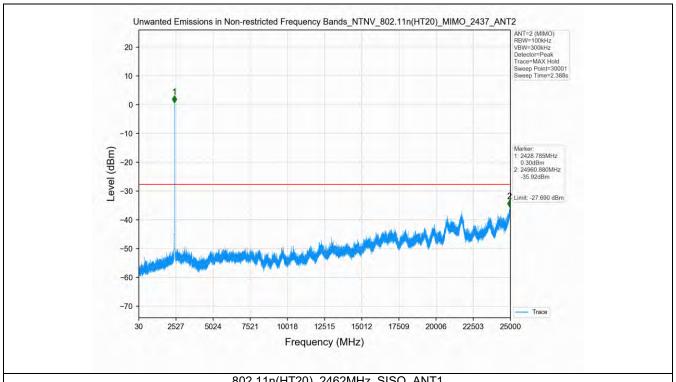




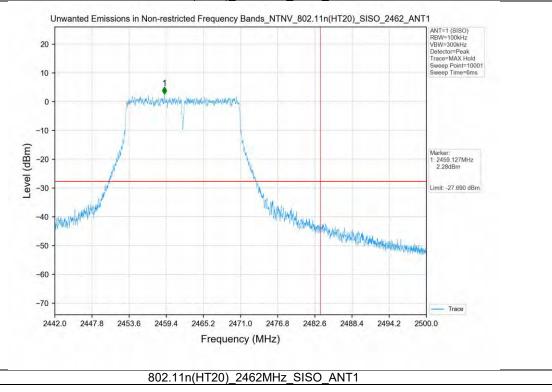


802.11n(HT20)_2437MHz_MIMO_Total

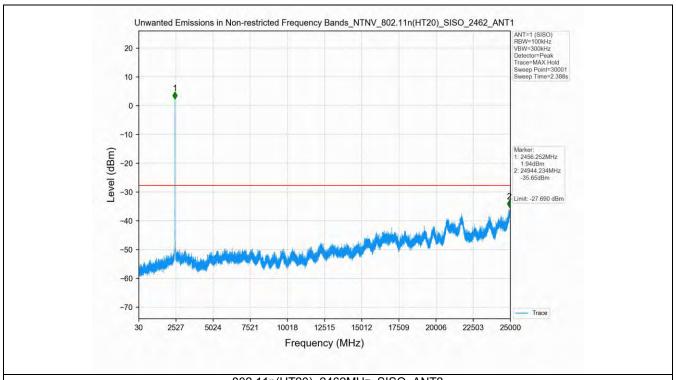




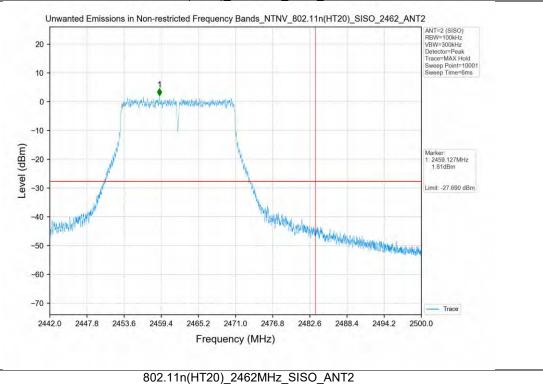
802.11n(HT20)_2462MHz_SISO_ANT1



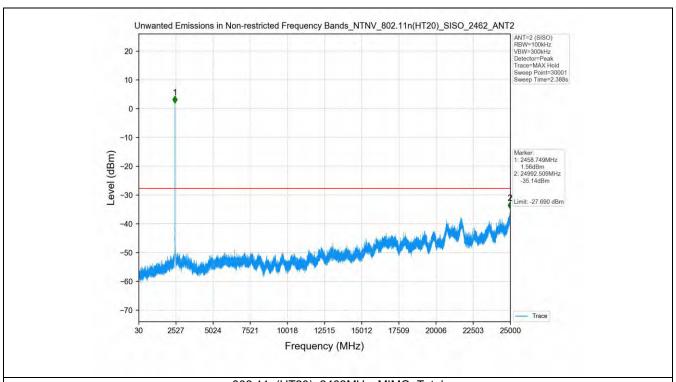


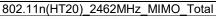


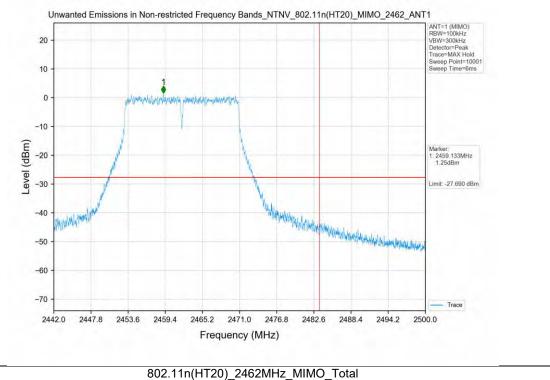
802.11n(HT20)_2462MHz_SISO_ANT2



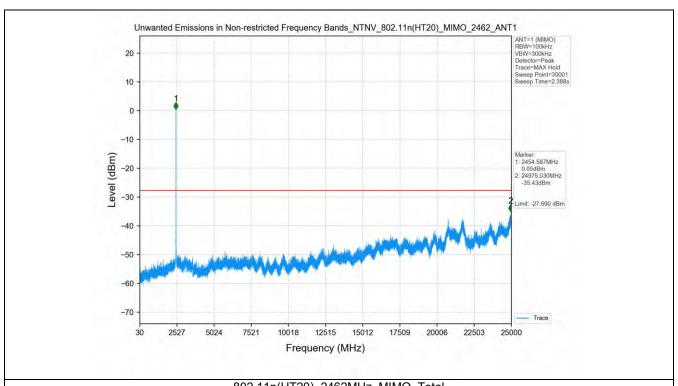




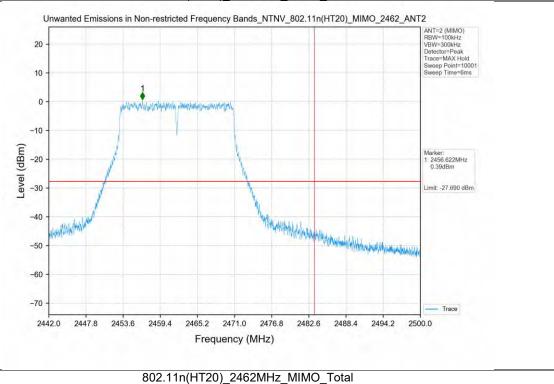




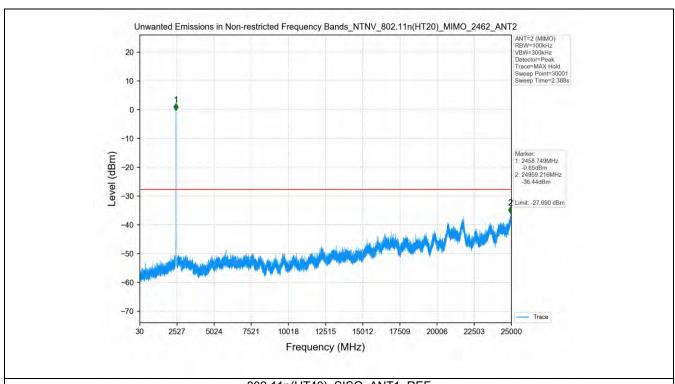


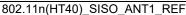


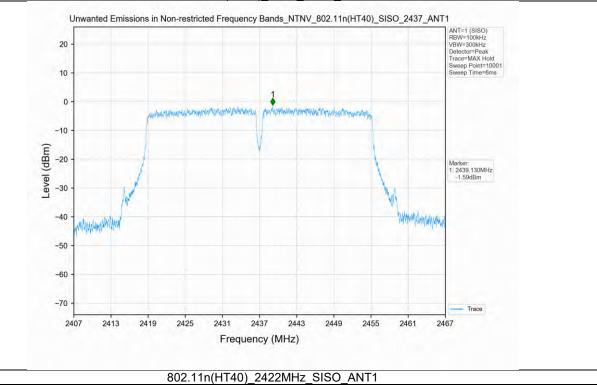
802.11n(HT20) 2462MHz MIMO Total



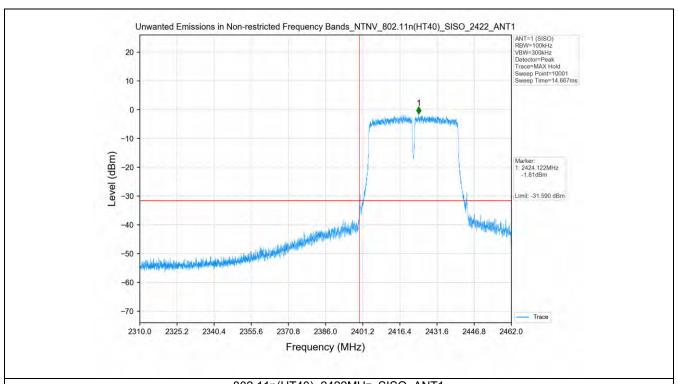


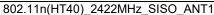


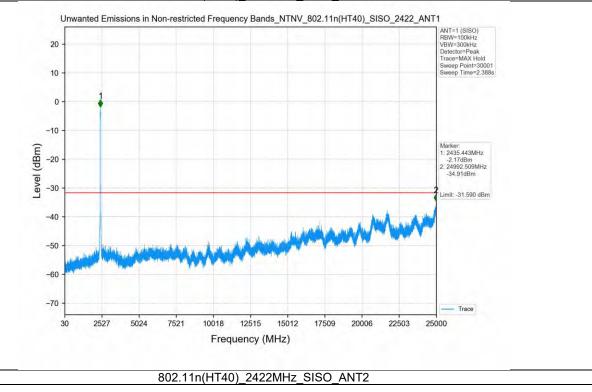




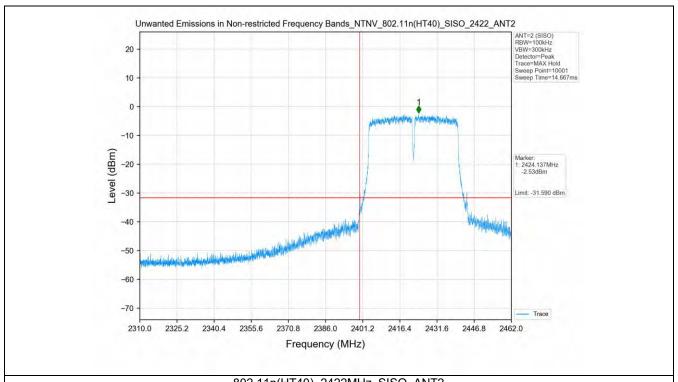


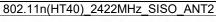


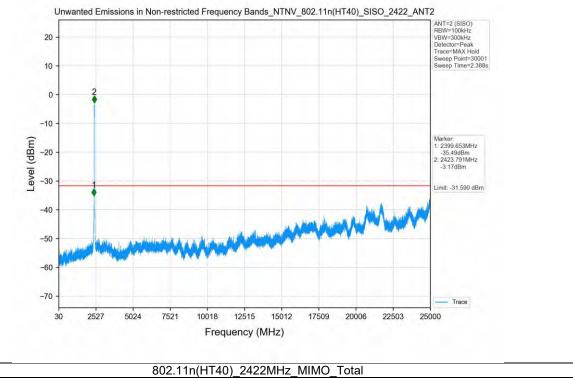




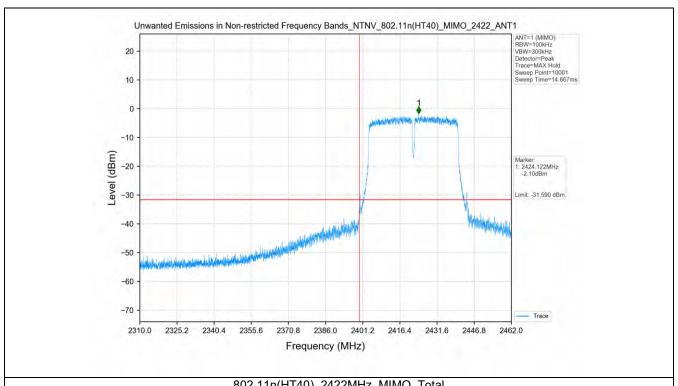


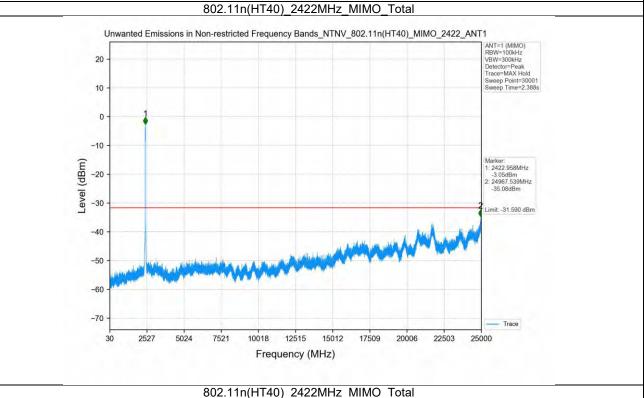




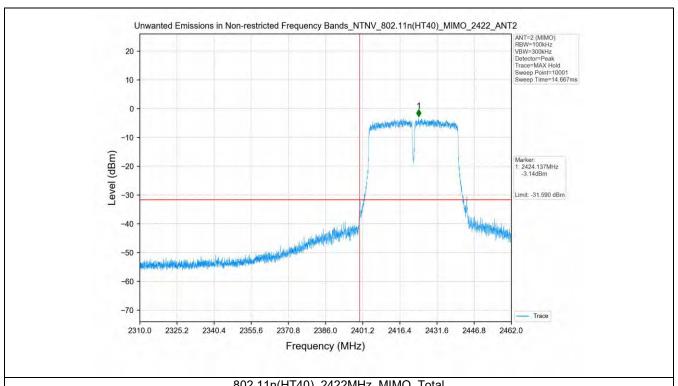






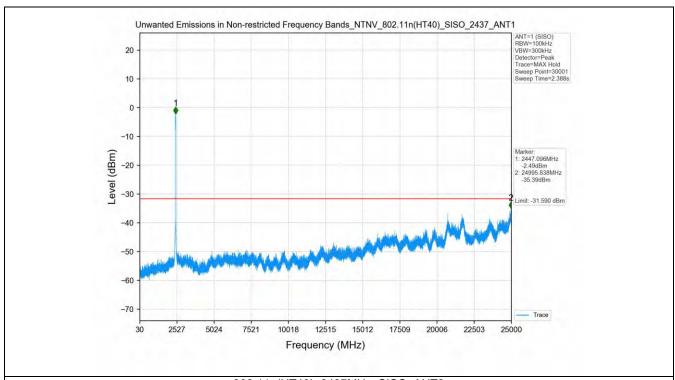




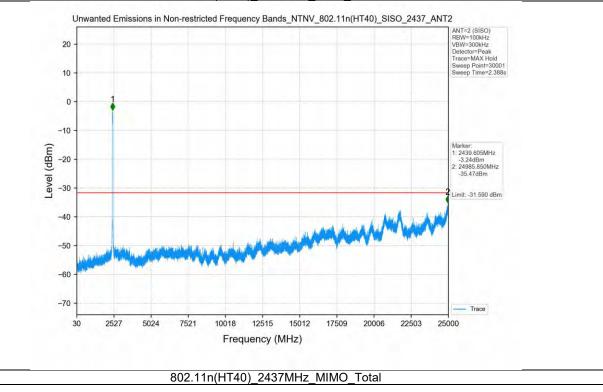


802.11n(HT40) 2422MHz MIMO Total Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_MIMO_2422_ANT2 ANT=2 (MIMO) RBW=100kHz VBW=300kHz 20 Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2399.653MHz -34.63dBm 2: 2417.964MHz -3.51dBm Level (dBm) -20 -30 Limit: -31.590 dBm -40 -50 -60 -70 Trace 10018 12515 30 2527 5024 7521 15012 17509 20006 22503 25000 Frequency (MHz) 802.11n(HT40)_2437MHz_SISO_ANT1

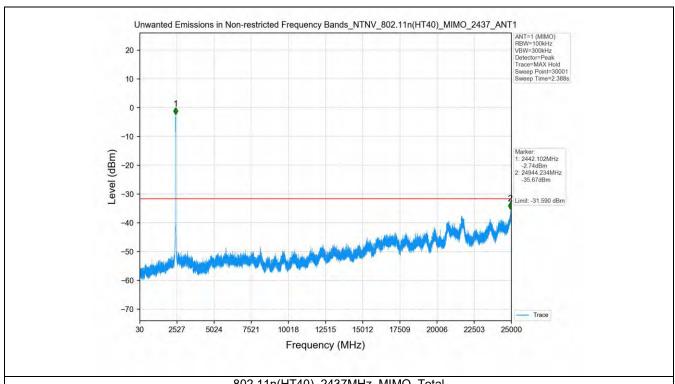




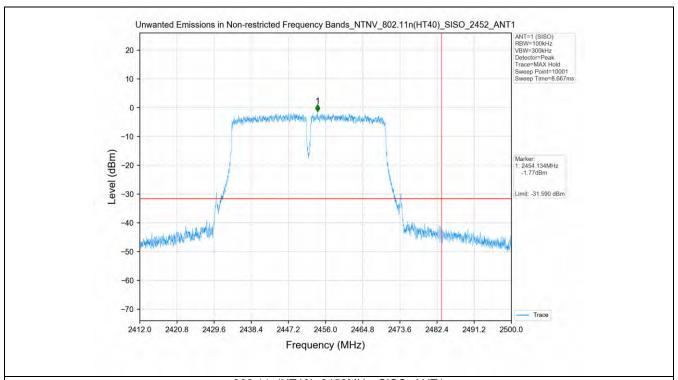
802.11n(HT40)_2437MHz_SISO_ANT2

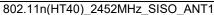


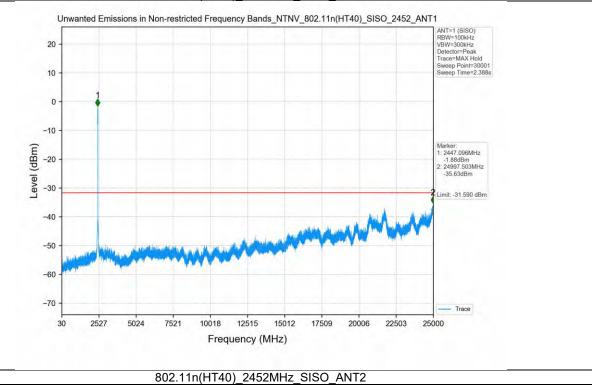




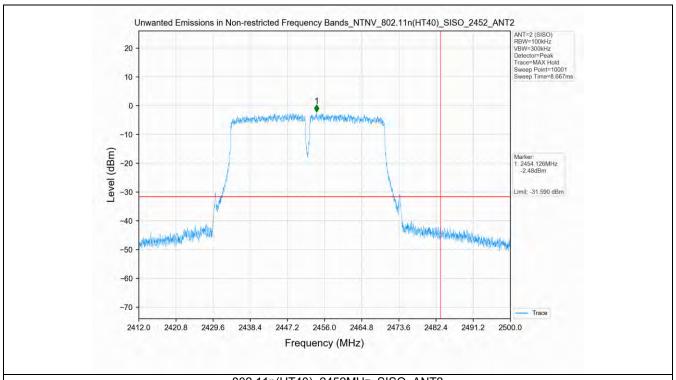
802.11n(HT40) 2437MHz MIMO Total Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_MIMO_2437_ANT2 ANT=2 (MIMO) RBW=100kHz VBW=300kHz 20 Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2445.431MHz -4.48dBm 2: 24989.180MHz -35.91dBm Level (dBm) -20 -30 Limit: -31.590 dBm -40 -50 -60 -70 - Trace 10018 12515 30 2527 5024 7521 15012 17509 20006 22503 25000 Frequency (MHz) 802.11n(HT40)_2452MHz_SISO_ANT1

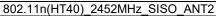


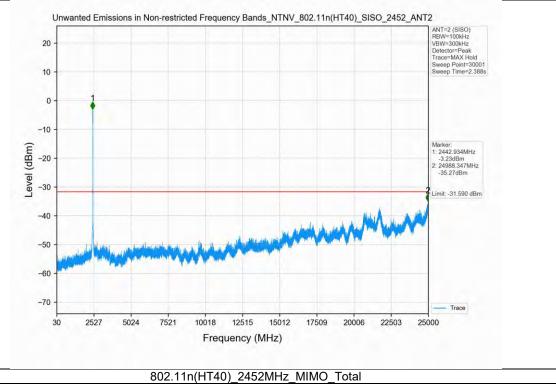




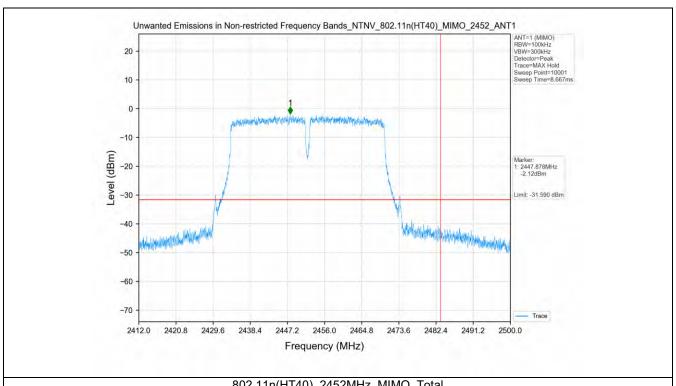




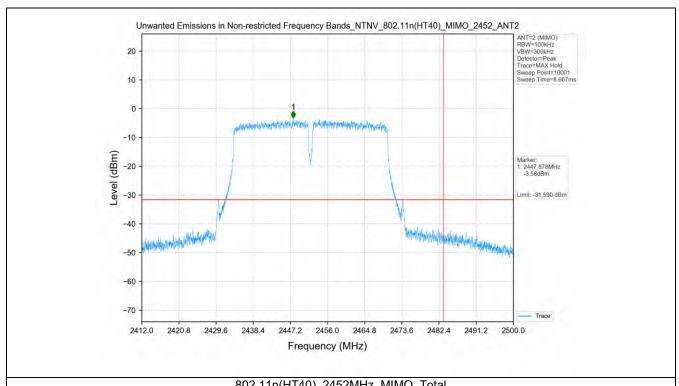








802.11n(HT40) 2452MHz MIMO Total Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_MIMO_2452_ANT1 ANT=1 (MIMO) RBW=100kHz VBW=300kHz 20 Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2447.928MHz -2.58dBm 2: 24992.509MHz -34.86dBm Level (dBm) -20 -30 Limit: -31.590 dBm -40 -50 -60 -70 - Trace 10018 12515 30 2527 5024 7521 15012 17509 20006 22503 25000 Frequency (MHz) 802.11n(HT40) 2452MHz MIMO Total



802.11n(HT40) 2452MHz MIMO Total Unwanted Emissions in Non-restricted Frequency Bands_NTNV_802.11n(HT40)_MIMO_2452_ANT2 ANT=2 (MIMO) RBW=100kHz VBW=300kHz 20 Detector=Peak Trace=MAX Hold Sweep Point=30001 Sweep Time=2.388s 10 0 -10 Marker: 1: 2453.755MHz -3.81dBm 2: 24945.066MHz -35.19dBm Level (dBm) -20 -30 Limit: -31.590 dBm -40 -50 -60 -70 Trace 10018 12515 15012 25000 30 2527 5024 7521 17509 20006 22503 Frequency (MHz)