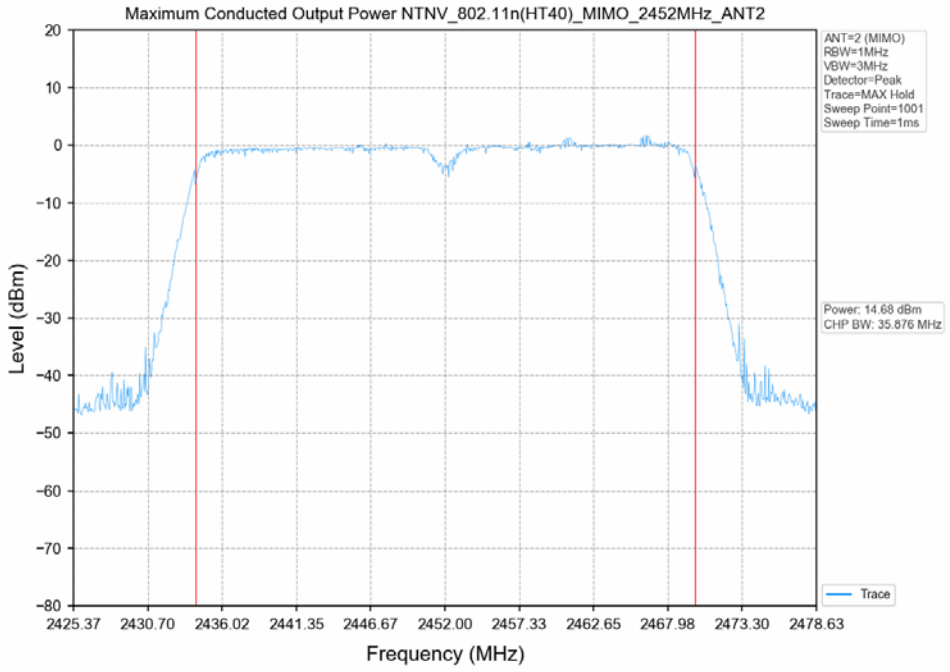
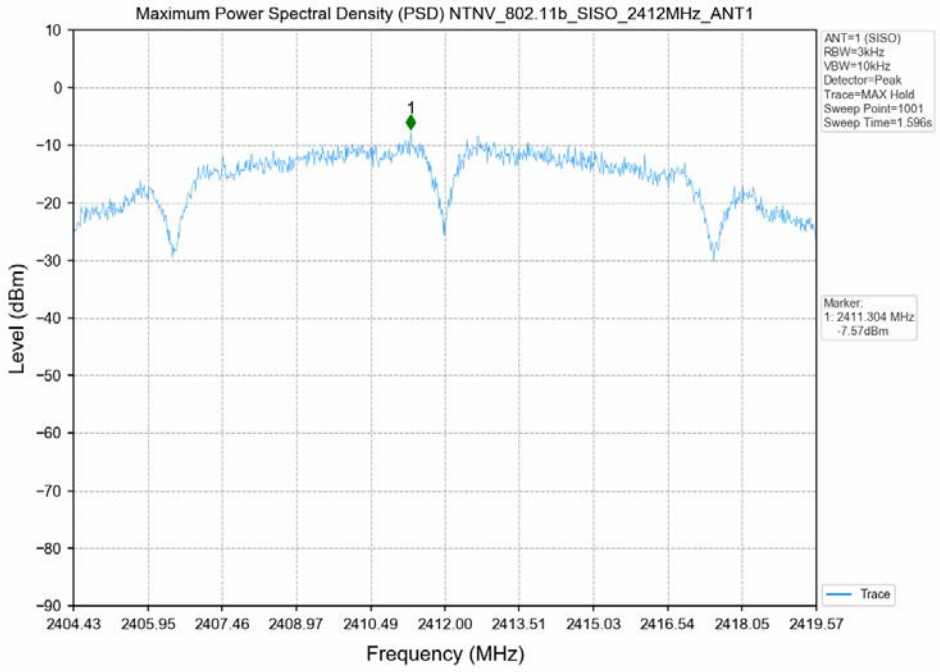


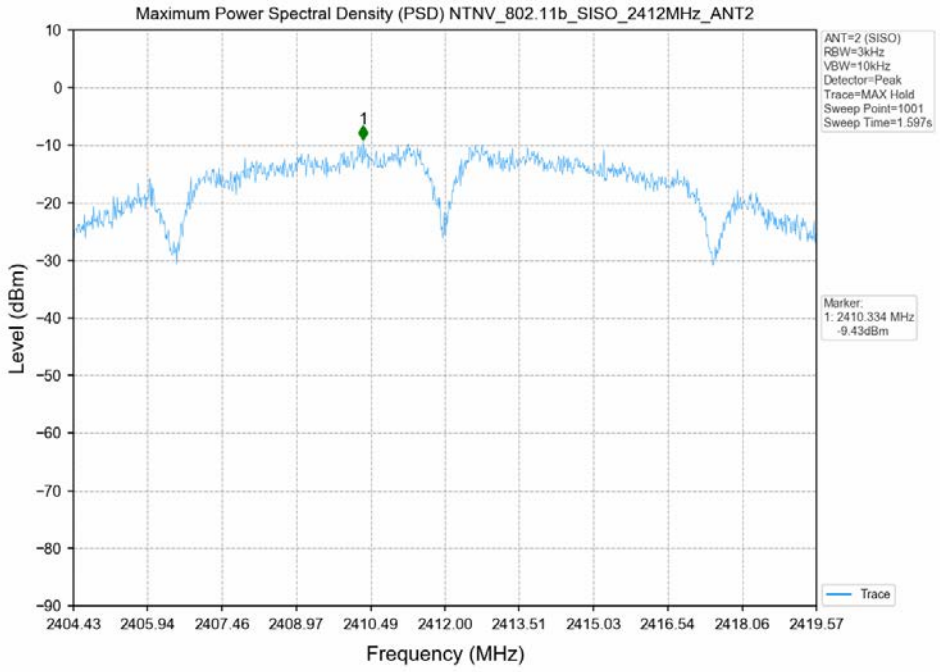
4. Maximum Power Spectral Density (PSD)

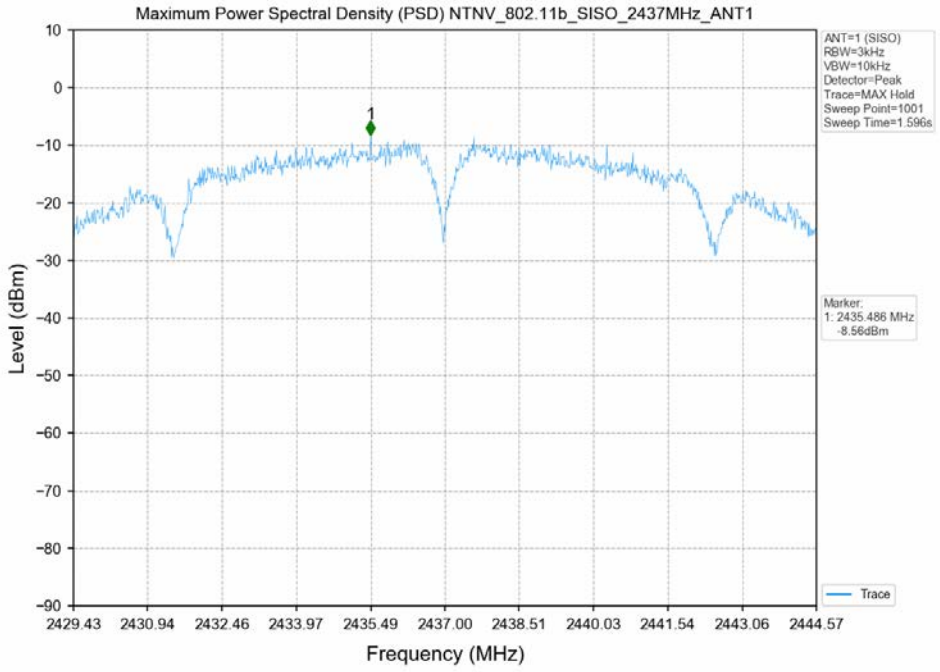
4.1 Test Result

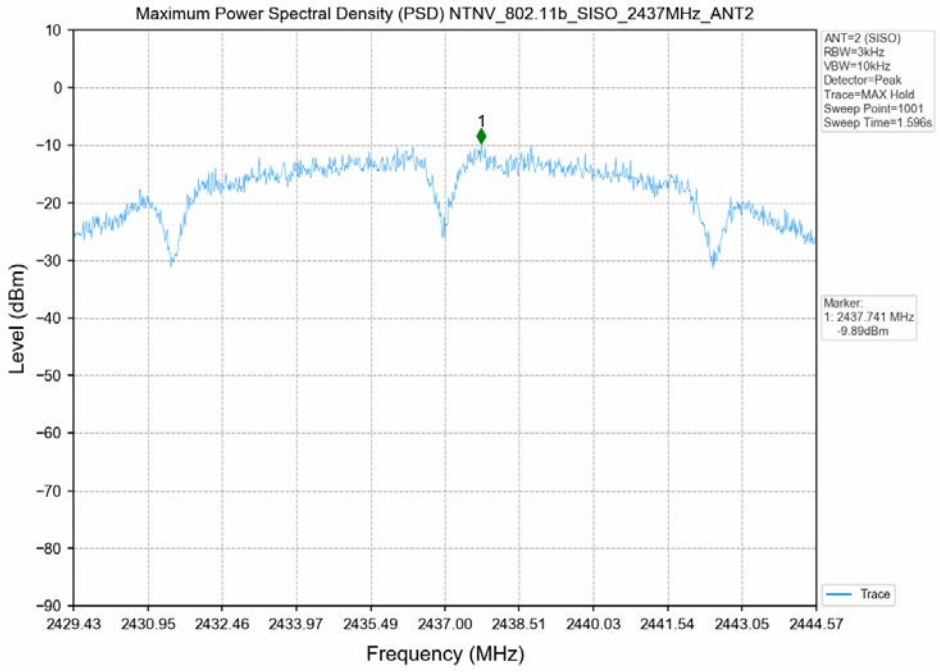
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	-7.57	-9.43	/	≤8	PASS
	2437	SISO	-8.56	-9.89	/	≤8	PASS
	2462	SISO	-8.89	-8.54	/	≤8	PASS
802.11g	2412	SISO	-15.97	-18.35	/	≤8	PASS
	2437	SISO	-17.21	-18.43	/	≤8	PASS
	2462	SISO	-17.00	-17.79	/	≤8	PASS
802.11n(HT20)	2412	MIMO	-17.13	-17.31	-14.21	≤8	PASS
	2437	MIMO	-17.66	-19.58	-15.79	≤8	PASS
	2462	MIMO	-16.20	-18.28	-14.14	≤8	PASS
802.11n(HT40)	2422	MIMO	-20.04	-21.37	-17.82	≤8	PASS
	2437	MIMO	-19.70	-20.06	-17.74	≤8	PASS
	2452	MIMO	-19.21	-20.90	-16.96	≤8	PASS

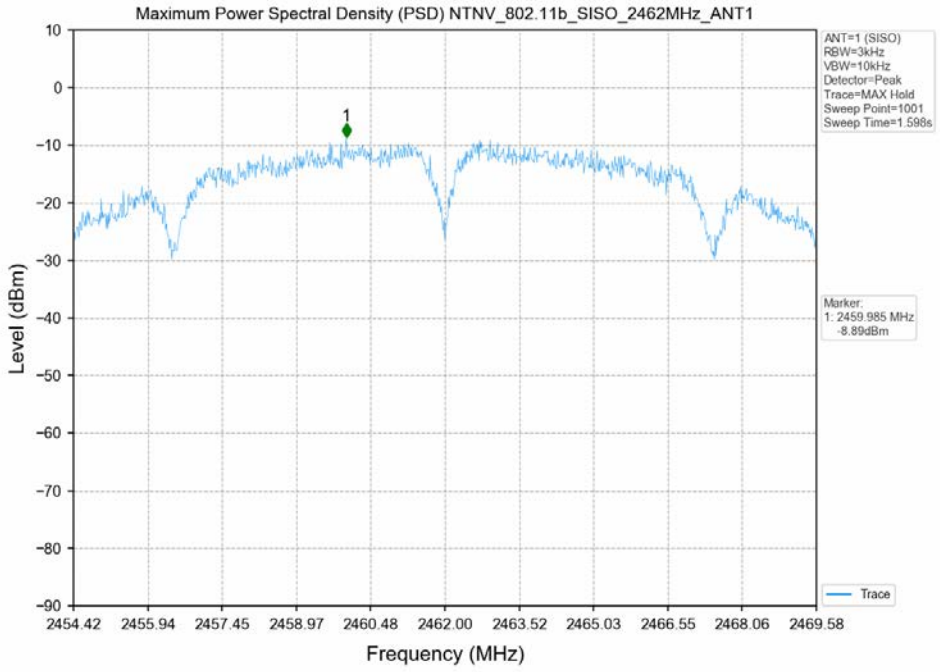
4.2 Test Graph

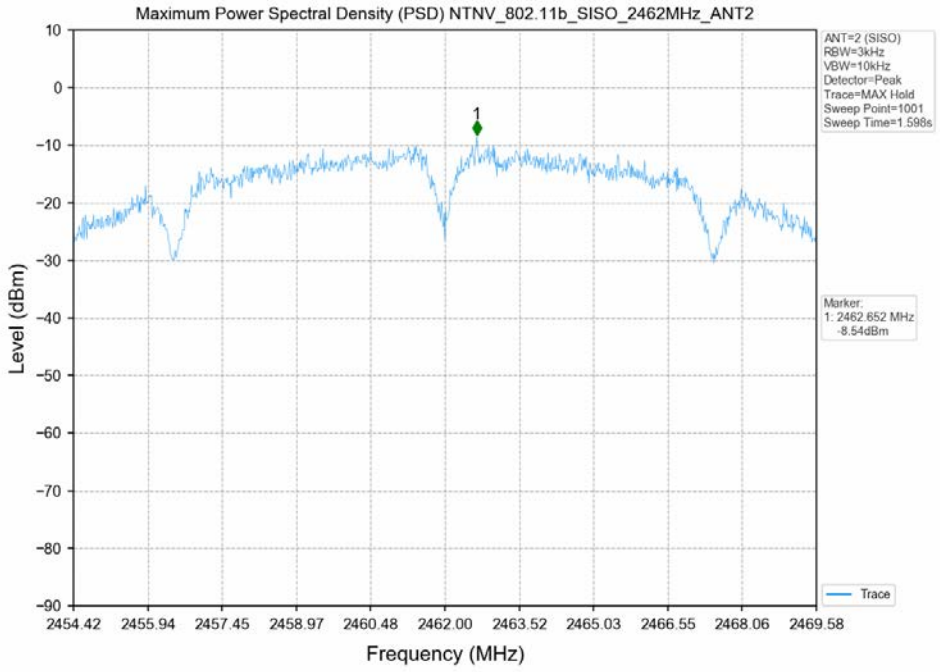

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.596s
Marker:
1: 2411.304 MHz
-7.57dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2404.43
2405.95
2407.46
2408.97
2410.49
2412.00
2413.51
2415.03
2416.54
2418.05
2419.57

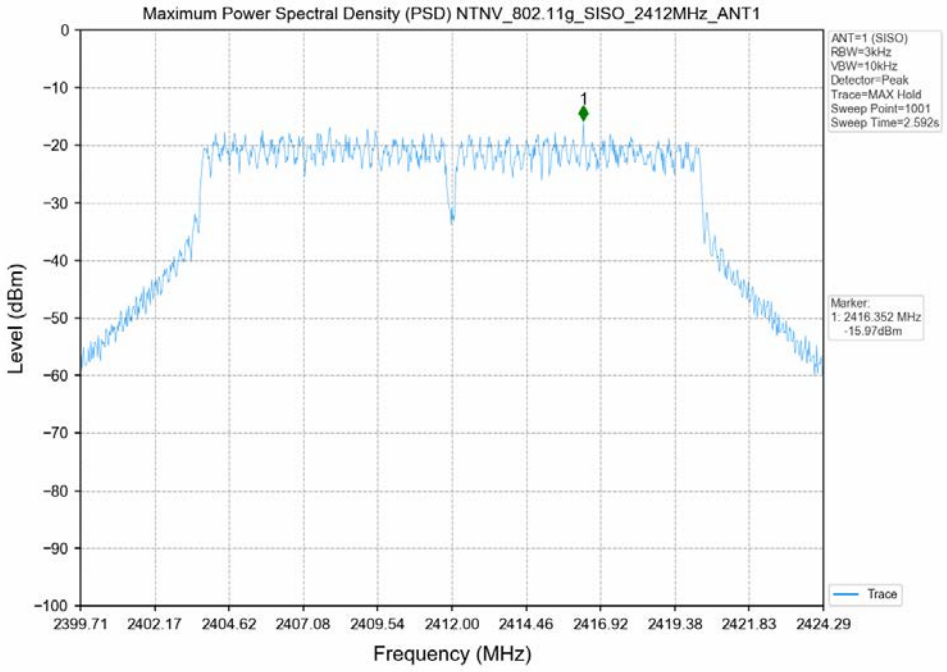

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.597s
Marker:
1: 2410.334 MHz
-9.43dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2404.43
2405.94
2407.46
2408.97
2410.49
2412.00
2413.51
2415.03
2416.54
2418.06
2419.57

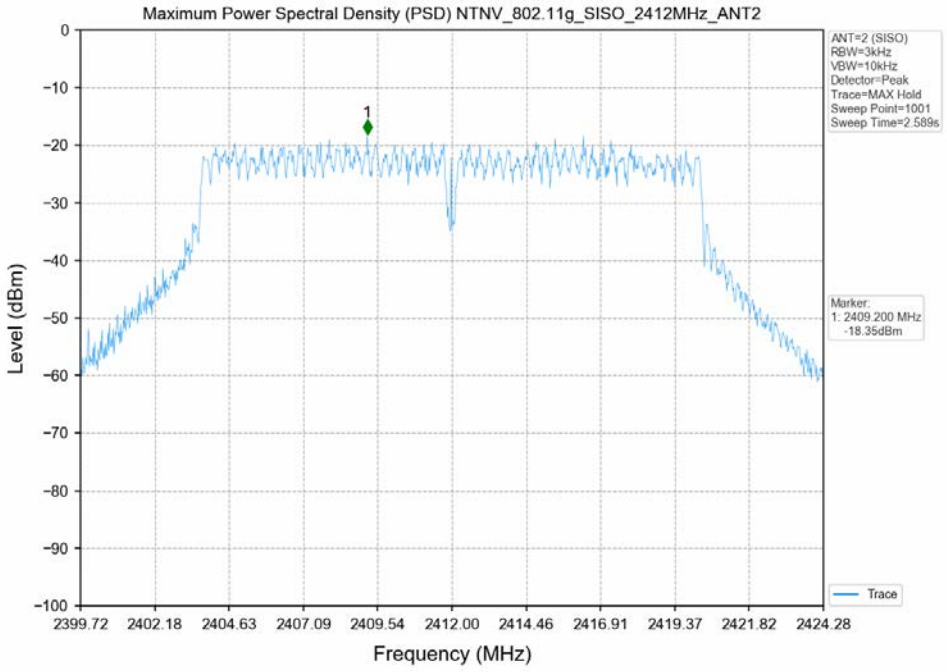

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.596s
Marker:
1: 2435.486 MHz
-8.56dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2429.43
2430.94
2432.46
2433.97
2435.49
2437.00
2438.51
2440.03
2441.54
2443.06
2444.57

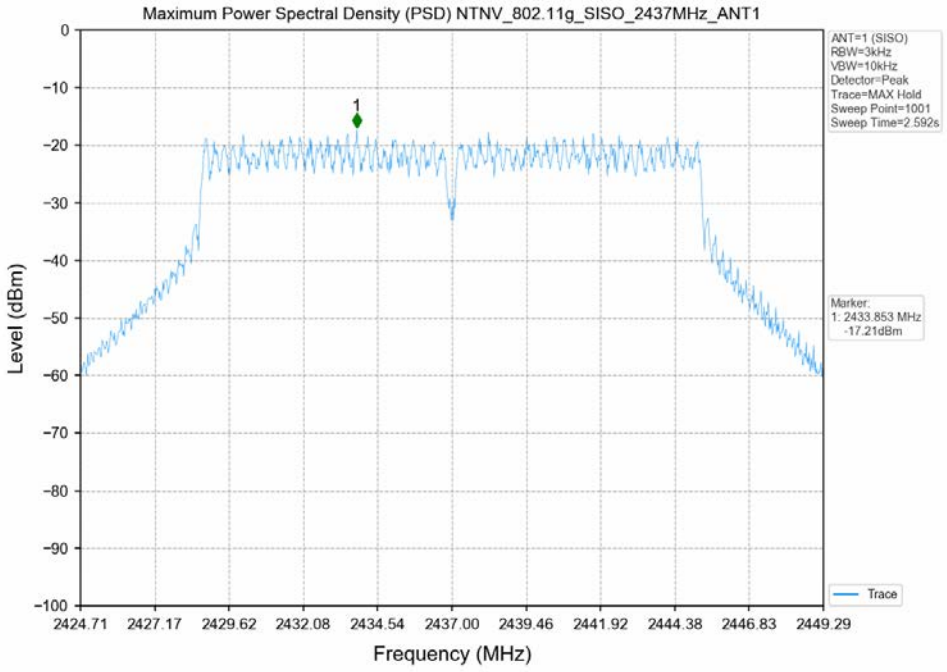

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.596s
Marker:
1: 2437.741 MHz
-9.89dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2429.43
2430.95
2432.46
2433.97
2435.49
2437.00
2438.51
2440.03
2441.54
2443.05
2444.57

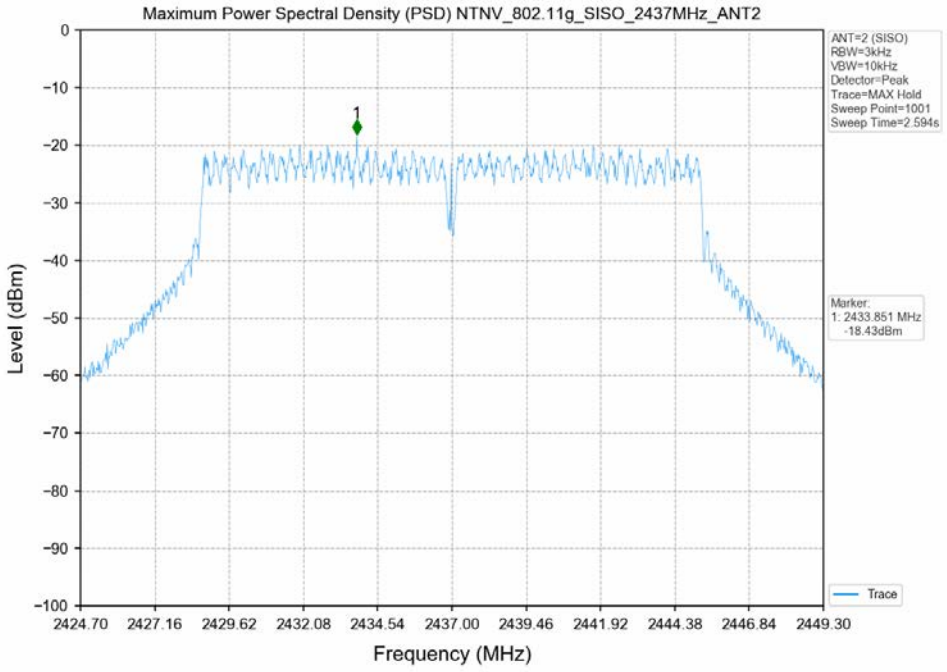

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.598s
Marker:
1: 2459.985 MHz
-8.89dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2454.42
2455.94
2457.45
2458.97
2460.48
2462.00
2463.52
2465.03
2466.55
2468.06
2469.58

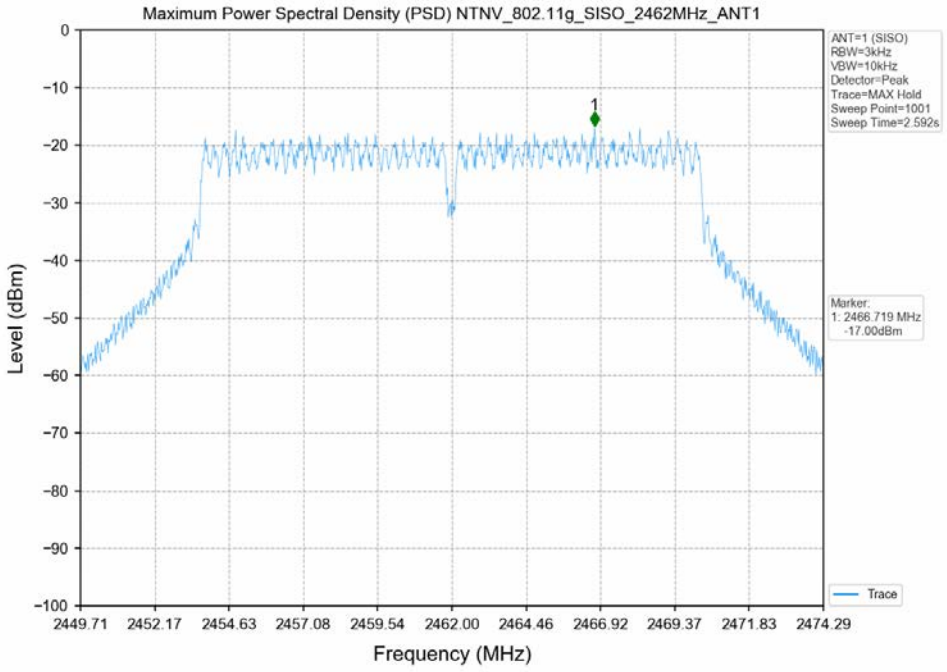

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.598s
Marker:
1: 2462.652 MHz
-8.54dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2454.42
2455.94
2457.45
2458.97
2460.48
2462.00
2463.52
2465.03
2466.55
2468.06
2469.58

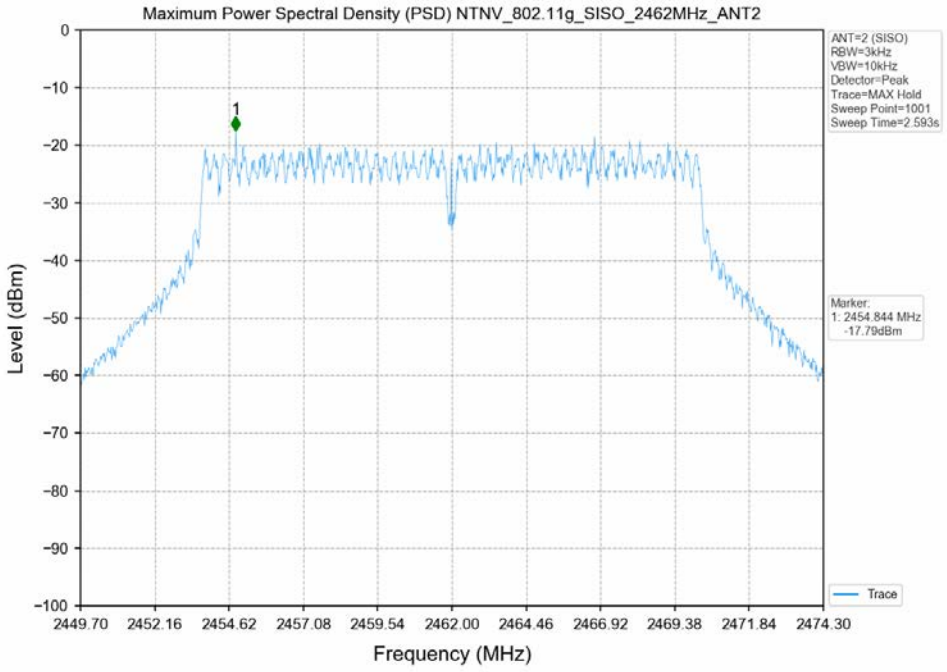

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.592s
Marker:
1: 2416.352 MHz
-15.97dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2399.71
2402.17
2404.62
2407.08
2409.54
2412.00
2414.46
2416.92
2419.38
2421.83
2424.29

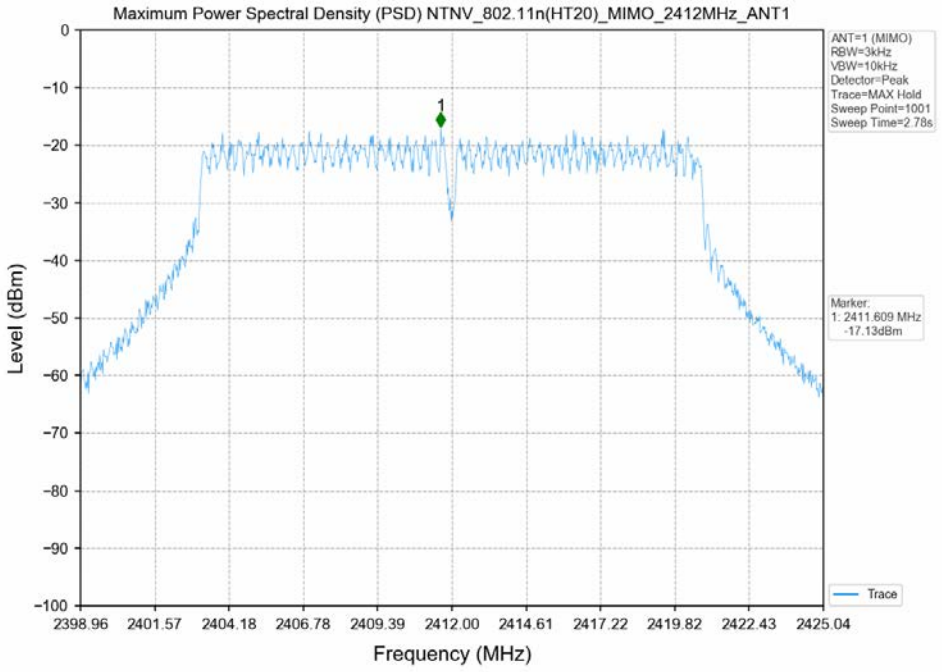

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.589s
Marker:
1: 2409.200 MHz
-18.35dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2399.72
2402.18
2404.63
2407.09
2409.54
2412.00
2414.46
2416.91
2419.37
2421.82
2424.28

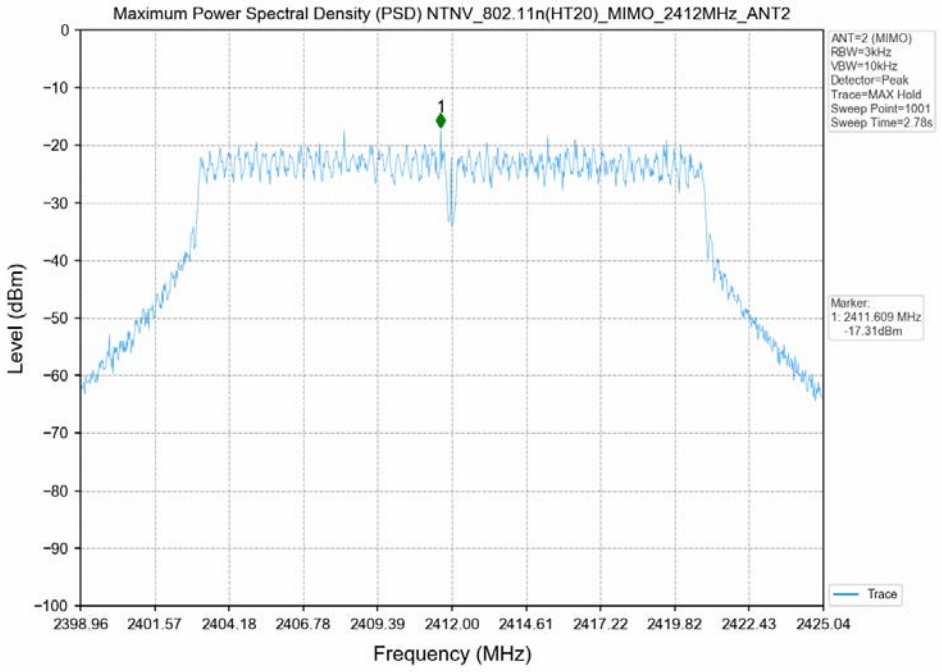

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.592s
Marker:
1: 2433.853 MHz
-17.21dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2424.71
2427.17
2429.62
2432.08
2434.54
2437.00
2439.46
2441.92
2444.38
2446.83
2449.29


Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.594s
Marker:
1: 2433.851 MHz
-18.43dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2424.70
2427.16
2429.62
2432.08
2434.54
2437.00
2439.46
2441.92
2444.38
2446.84
2449.30

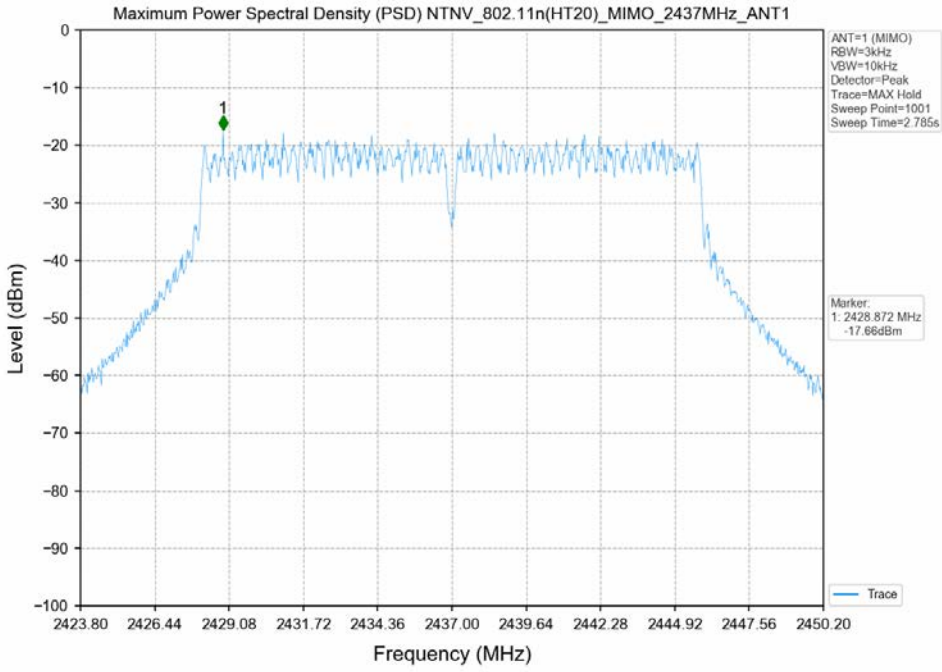

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.592s
Marker:
1: 2466.719 MHz
-17.00dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2449.71
2452.17
2454.63
2457.08
2459.54
2462.00
2464.46
2466.92
2469.37
2471.83
2474.29

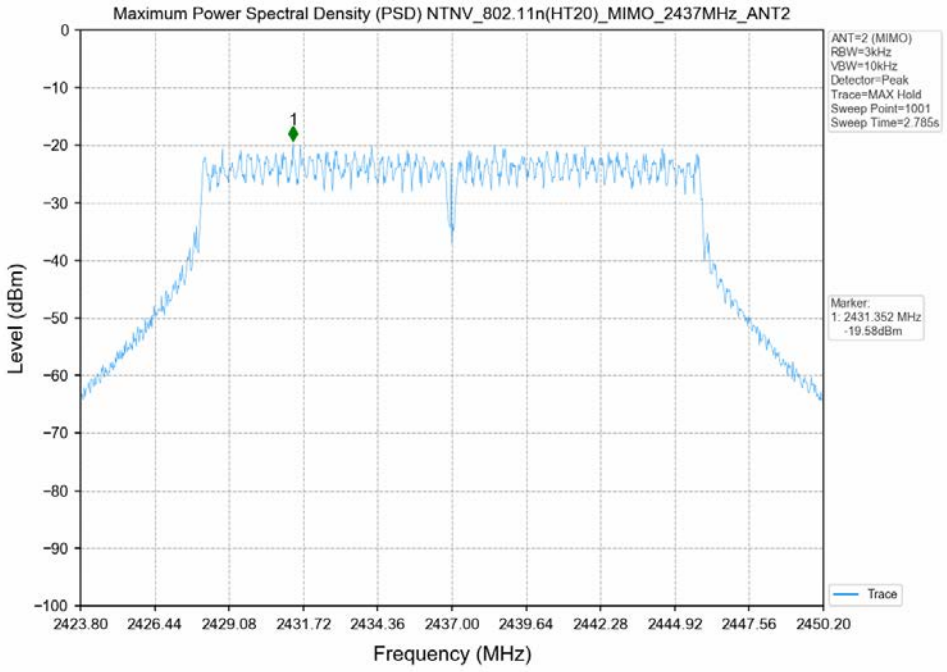

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.593s
Marker:
1: 2454.844 MHz
-17.79dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2449.70
2452.16
2454.62
2457.08
2459.54
2462.00
2464.46
2466.92
2469.38
2471.84
2474.30

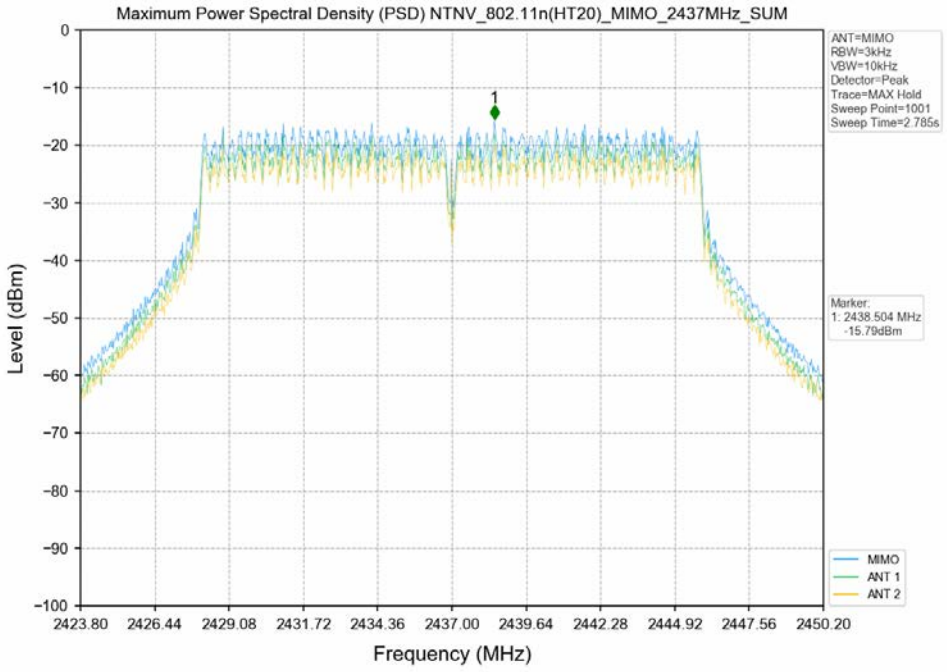

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.78s
Marker:
1: 2411.609 MHz
-17.13dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.78
2409.39
2412.00
2414.61
2417.22
2419.82
2422.43
2425.04

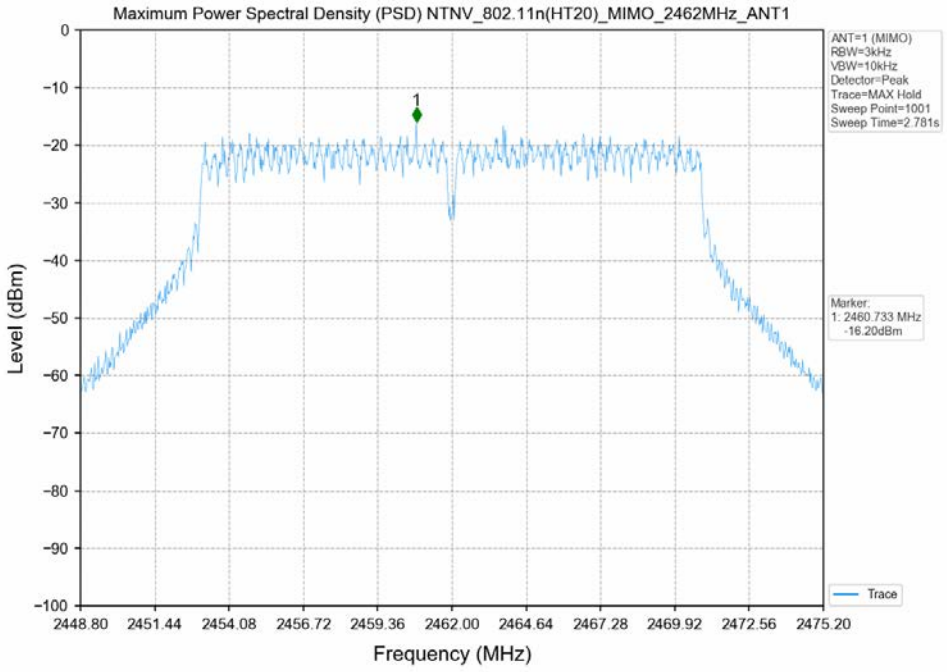

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.78s
Marker:
1: 2411.609 MHz
-17.31dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.78
2409.39
2412.00
2414.61
2417.22
2419.82
2422.43
2425.04

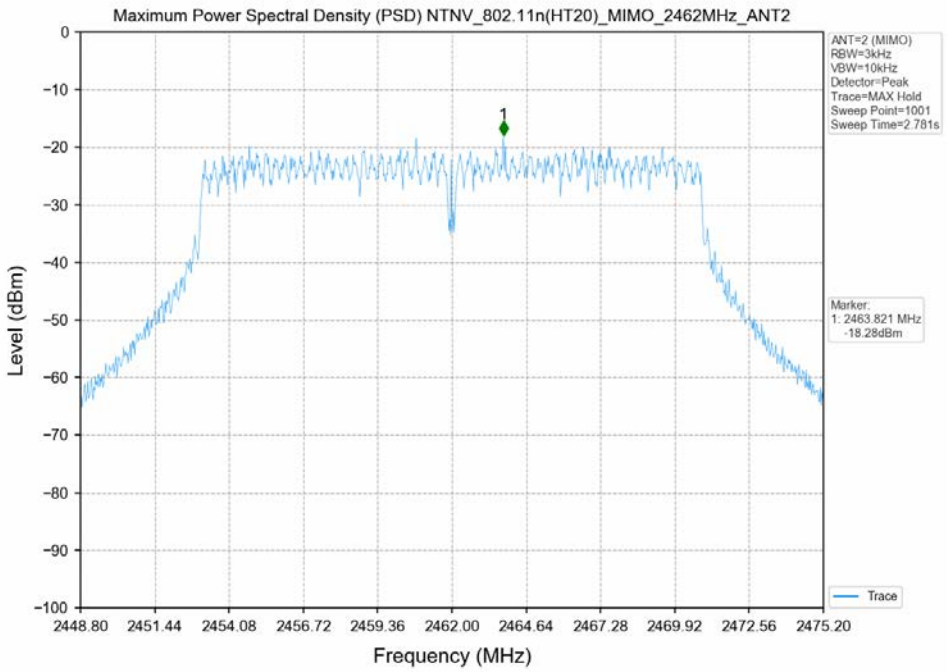
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.78s
Marker:
1: 2411.609 MHz
-14.21dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.78
2409.39
2412.00
2414.61
2417.22
2419.82
2422.43
2425.04

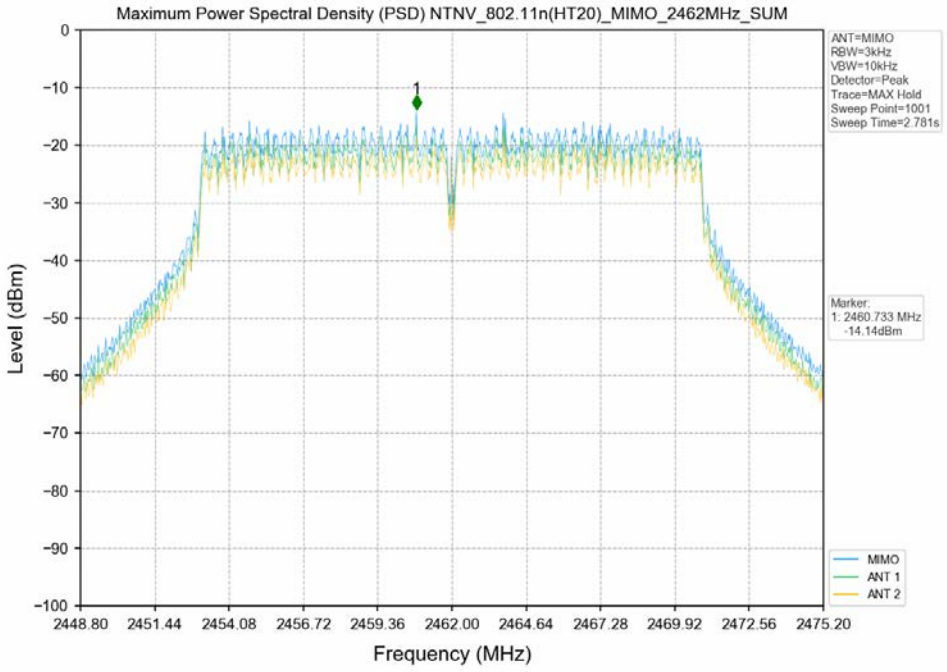

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.785s
Marker:
1: 2428.872 MHz
-17.66dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.80
2426.44
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.56
2450.20

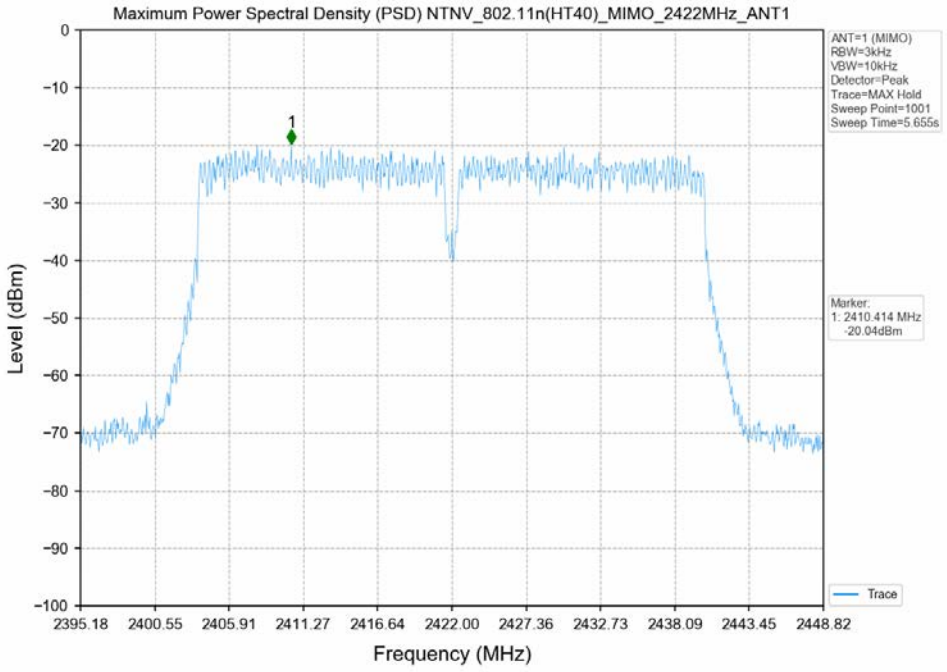

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.785s
Marker:
1: 2431.352 MHz
-19.58dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.80
2426.44
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.56
2450.20

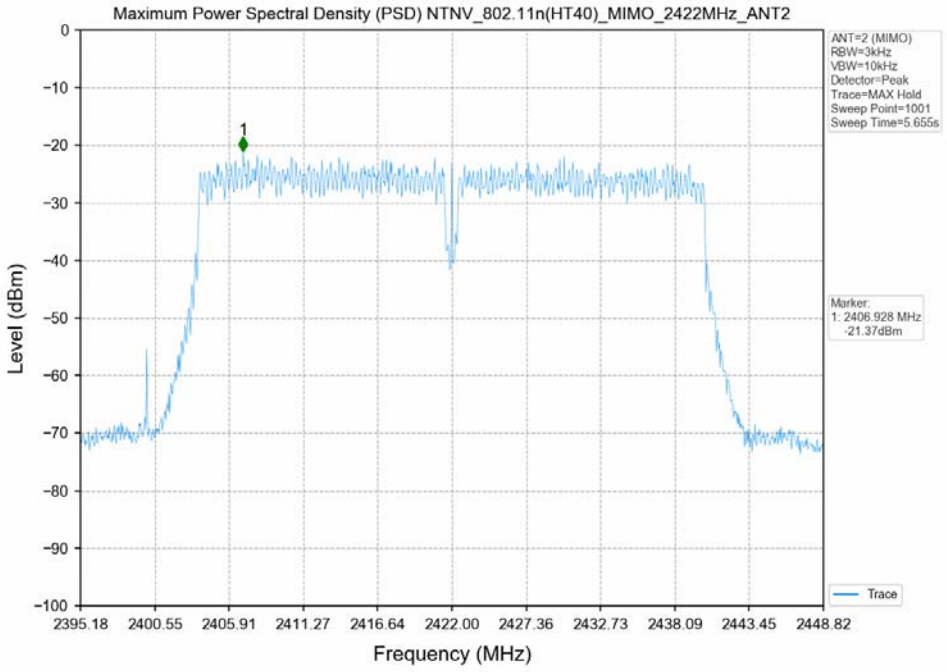

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.785s
Marker:
1: 2438.504 MHz
-15.79dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.80
2426.44
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.56
2450.20


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2460.733 MHz
-16.20dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.80
2451.44
2454.08
2456.72
2459.36
2462.00
2464.64
2467.28
2469.92
2472.56
2475.20

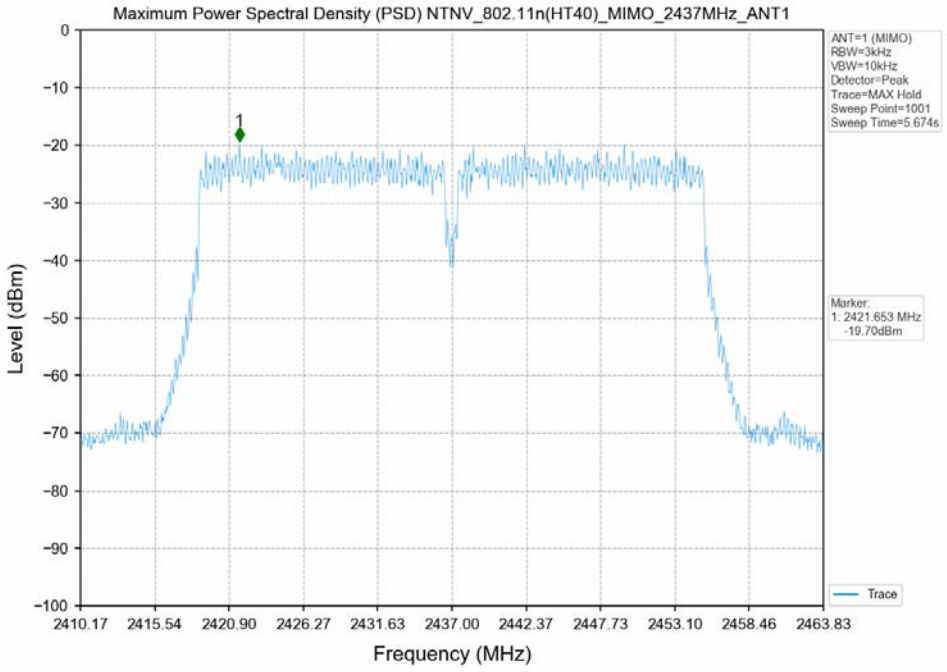

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2463.821 MHz
-18.28dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.80
2451.44
2454.08
2456.72
2459.36
2462.00
2464.64
2467.28
2469.92
2472.56
2475.20

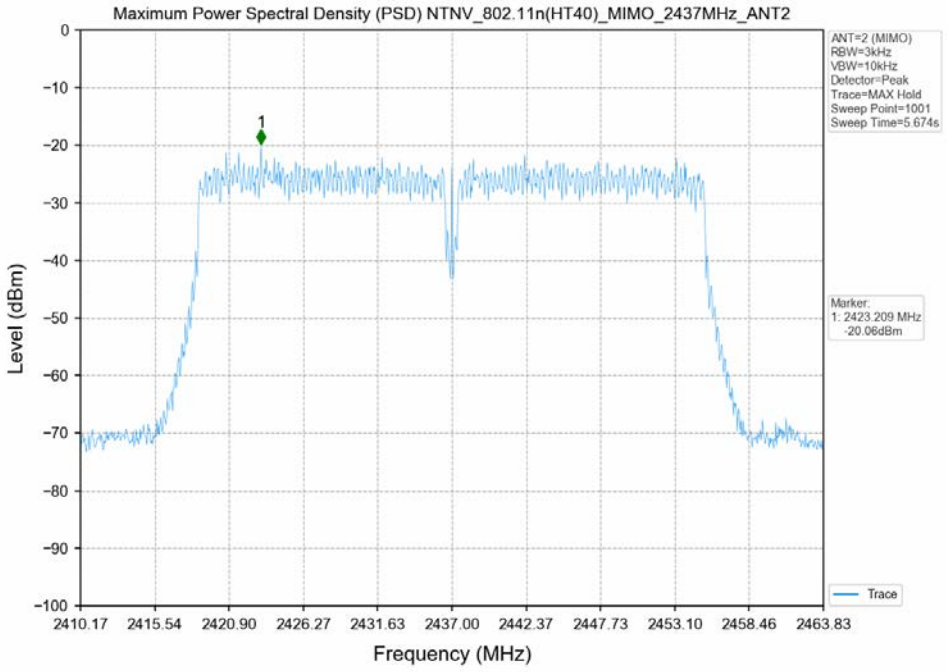

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2460.733 MHz
-14.14dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.80
2451.44
2454.08
2456.72
2459.36
2462.00
2464.64
2467.28
2469.92
2472.56
2475.20


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.655s
Marker:
1: 2410.414 MHz
-20.04dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.18
2400.55
2405.91
2411.27
2416.64
2422.00
2427.36
2432.73
2438.09
2443.45
2448.82

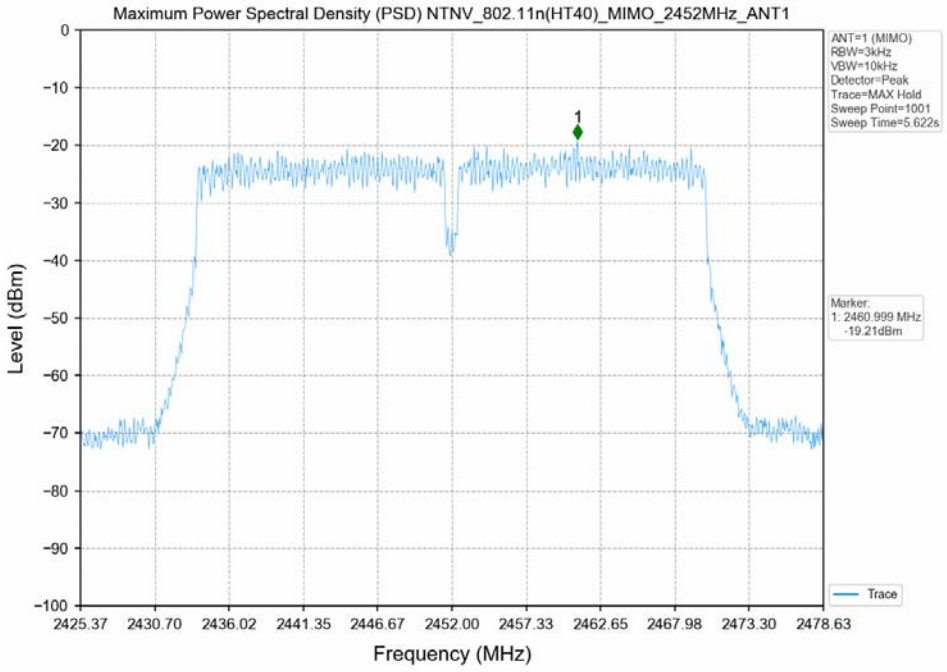

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.655s
Marker:
1: 2406.928 MHz
-21.37dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.18
2400.55
2405.91
2411.27
2416.64
2422.00
2427.36
2432.73
2438.09
2443.45
2448.82

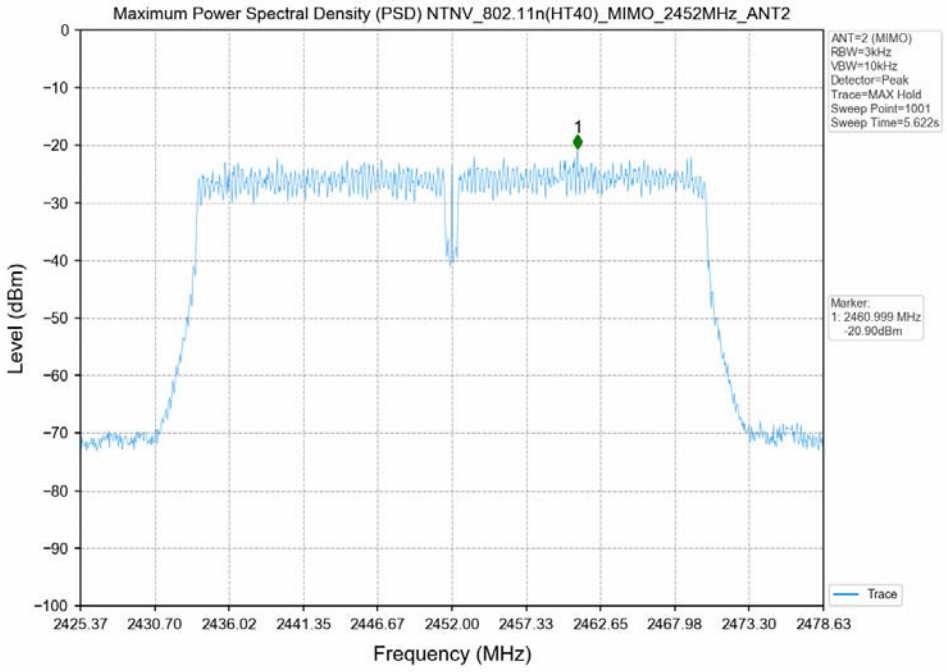
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.655s
Marker:
1: 2407.947 MHz
-17.82dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.18
2400.55
2405.91
2411.27
2416.64
2422.00
2427.36
2432.73
2438.09
2443.45
2448.82


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.674s
Marker:
1: 2421.653 MHz
-19.70dBm
Trace
Level (dBm)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.17
2415.54
2420.90
2426.27
2431.63
2437.00
2442.37
2447.73
2453.10
2458.46
2463.83
Frequency (MHz)


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.674s
Marker:
1: 2423.209 MHz
-20.06dBm
Trace
Level (dBm)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.17
2415.54
2420.90
2426.27
2431.63
2437.00
2442.37
2447.73
2453.10
2458.46
2463.83
Frequency (MHz)

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2437MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.674s
Marker:
1: 2442.259 MHz
-17.74dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.17
2415.54
2420.90
2426.27
2431.63
2437.00
2442.37
2447.73
2453.10
2458.46
2463.83


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2452MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.622s
Marker:
1: 2460.999 MHz
-19.21dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.37
2430.70
2436.02
2441.35
2446.67
2452.00
2457.33
2462.65
2467.98
2473.30
2478.63


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2452MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.622s
Marker:
1: 2460.999 MHz
-20.90dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.37
2430.70
2436.02
2441.35
2446.67
2452.00
2457.33
2462.65
2467.98
2473.30
2478.63

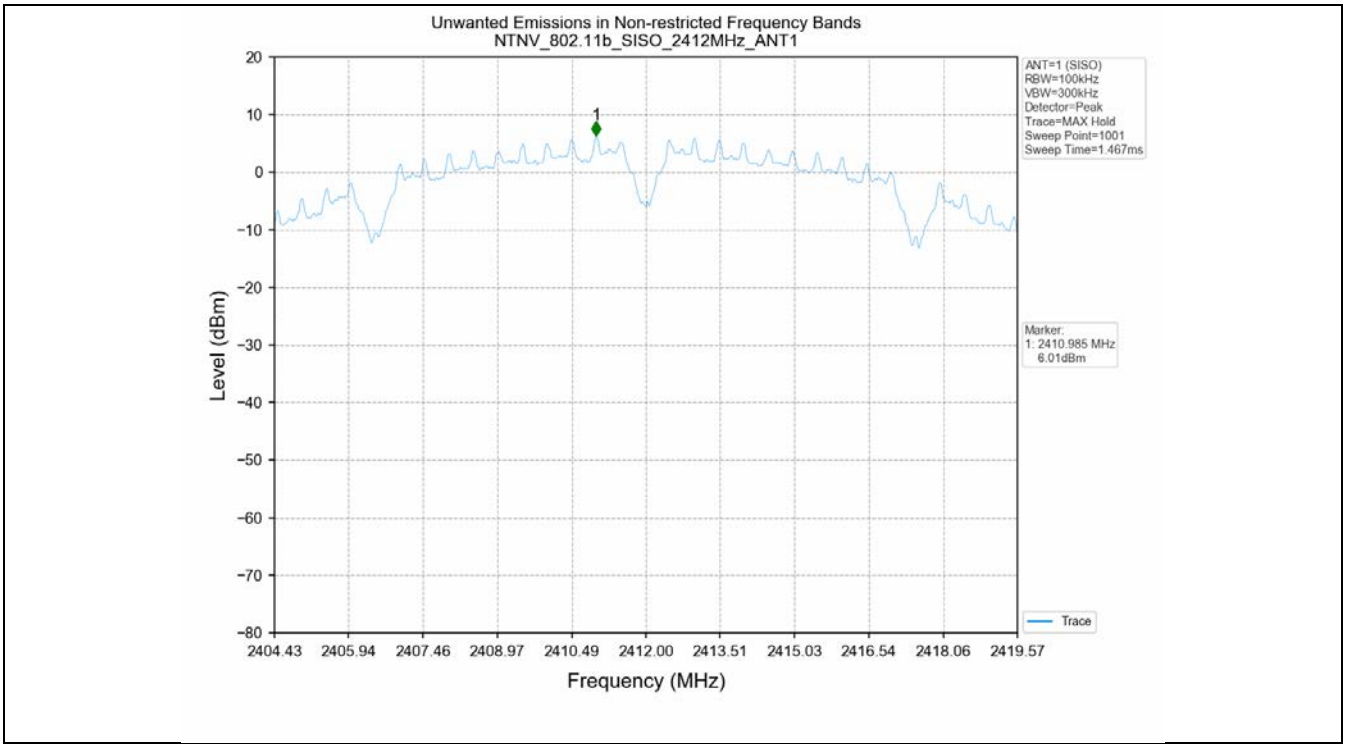
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2452MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.622s
Marker:
1: 2460.999 MHz
-16.96dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.37
2430.70
2436.02
2441.35
2446.67
2452.00
2457.33
2462.65
2467.98
2473.30
2478.63

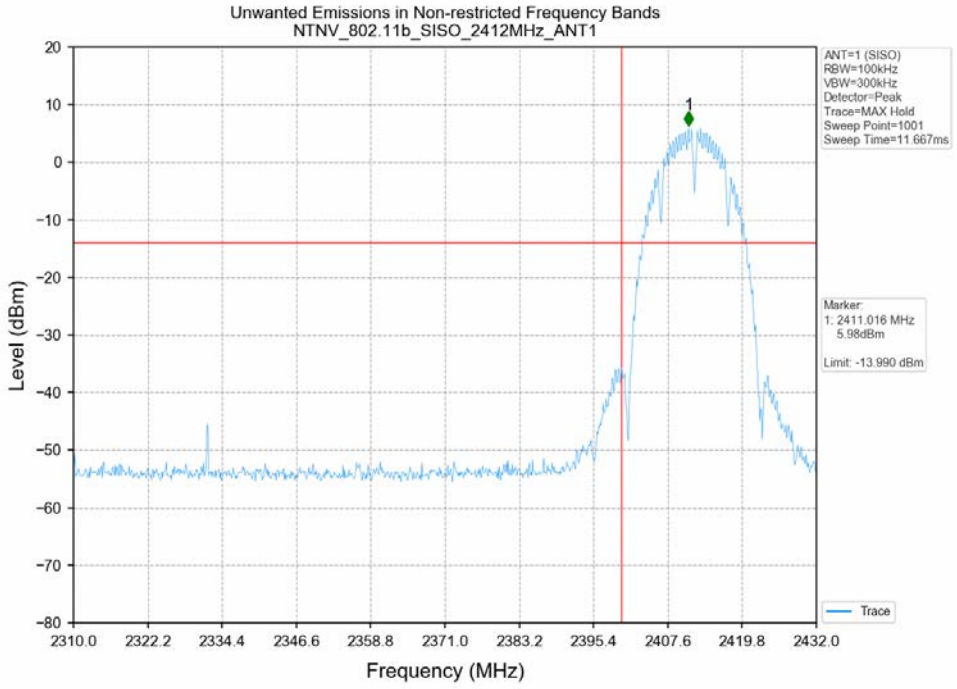
5. Unwanted Emissions in Non-restricted Frequency Bands

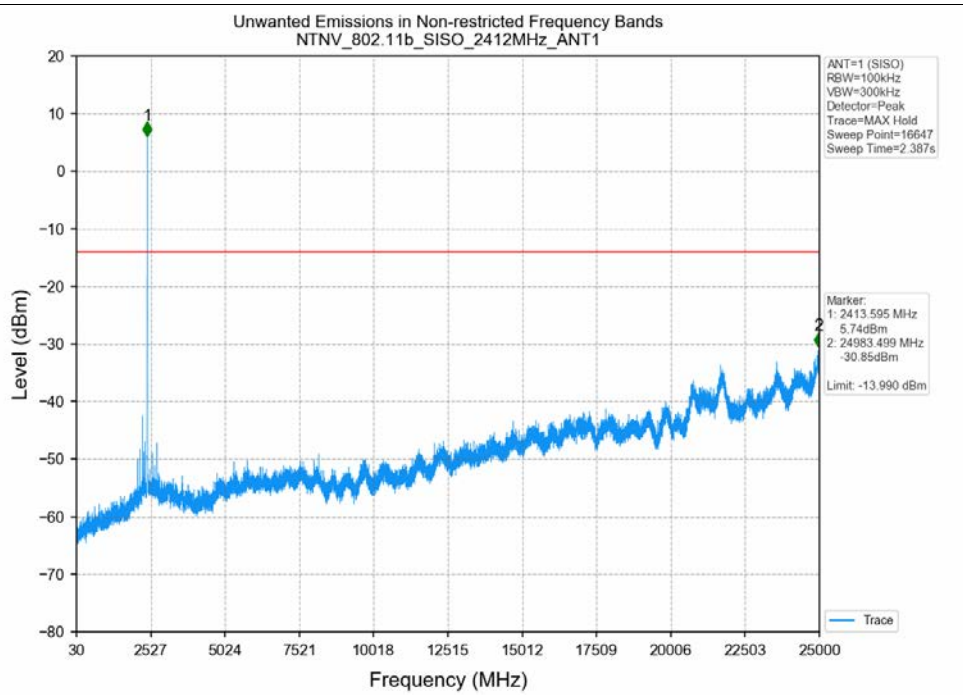
5.1 Test Result

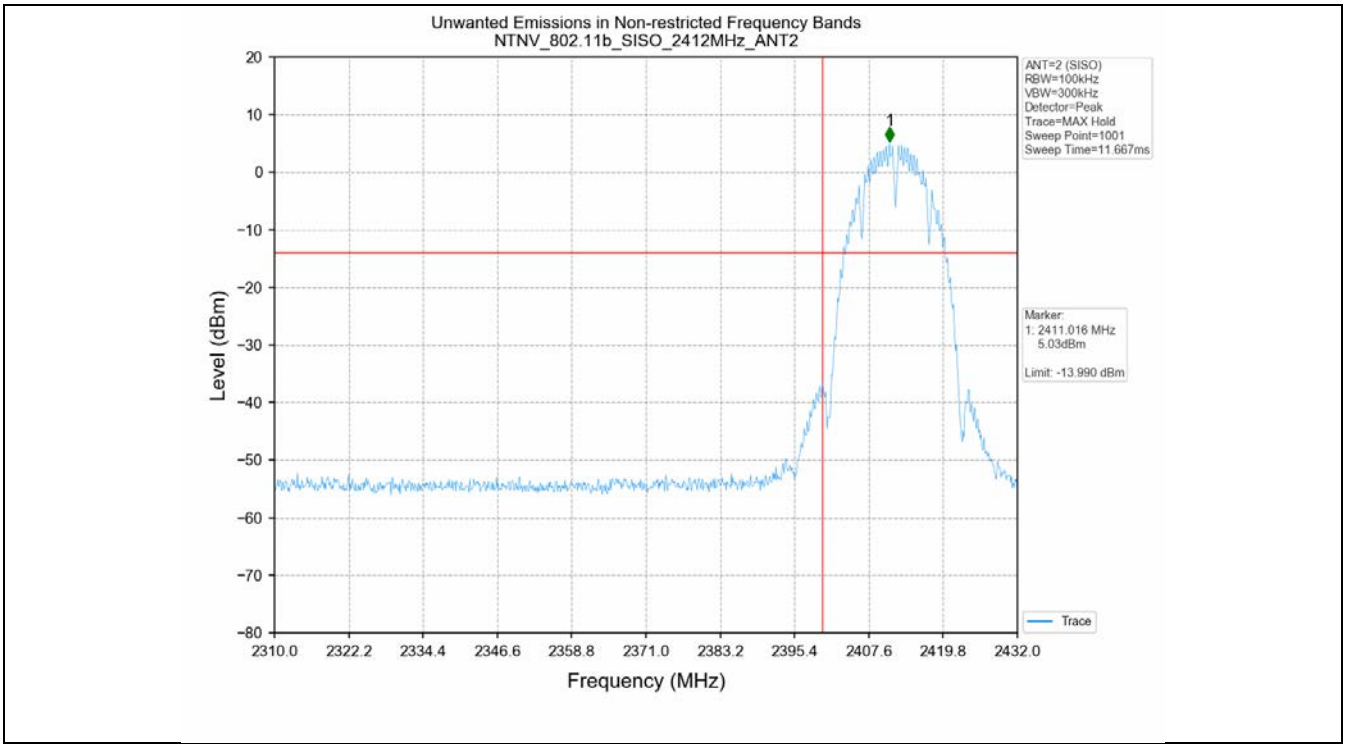
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.99	PASS
			2	Refer to test graph	-13.99	PASS
	2437	SISO	1	Refer to test graph	-13.99	PASS
			2	Refer to test graph	-13.99	PASS
	2462	SISO	1	Refer to test graph	-13.99	PASS
			2	Refer to test graph	-13.99	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.53	PASS
			2	Refer to test graph	-22.53	PASS
	2437	SISO	1	Refer to test graph	-22.53	PASS
			2	Refer to test graph	-22.53	PASS
	2462	SISO	1	Refer to test graph	-22.53	PASS
			2	Refer to test graph	-22.53	PASS
802.11n(HT20)	2412	MIMO	1	Refer to test graph	-24.26	PASS
	2437	MIMO	2	Refer to test graph	-24.26	PASS
	2462	MIMO	1	Refer to test graph	-24.26	PASS
802.11n(HT40)	2422	MIMO	2	Refer to test graph	-26.98	PASS
	2437	MIMO	1	Refer to test graph	-26.98	PASS
	2452	MIMO	2	Refer to test graph	-26.98	PASS

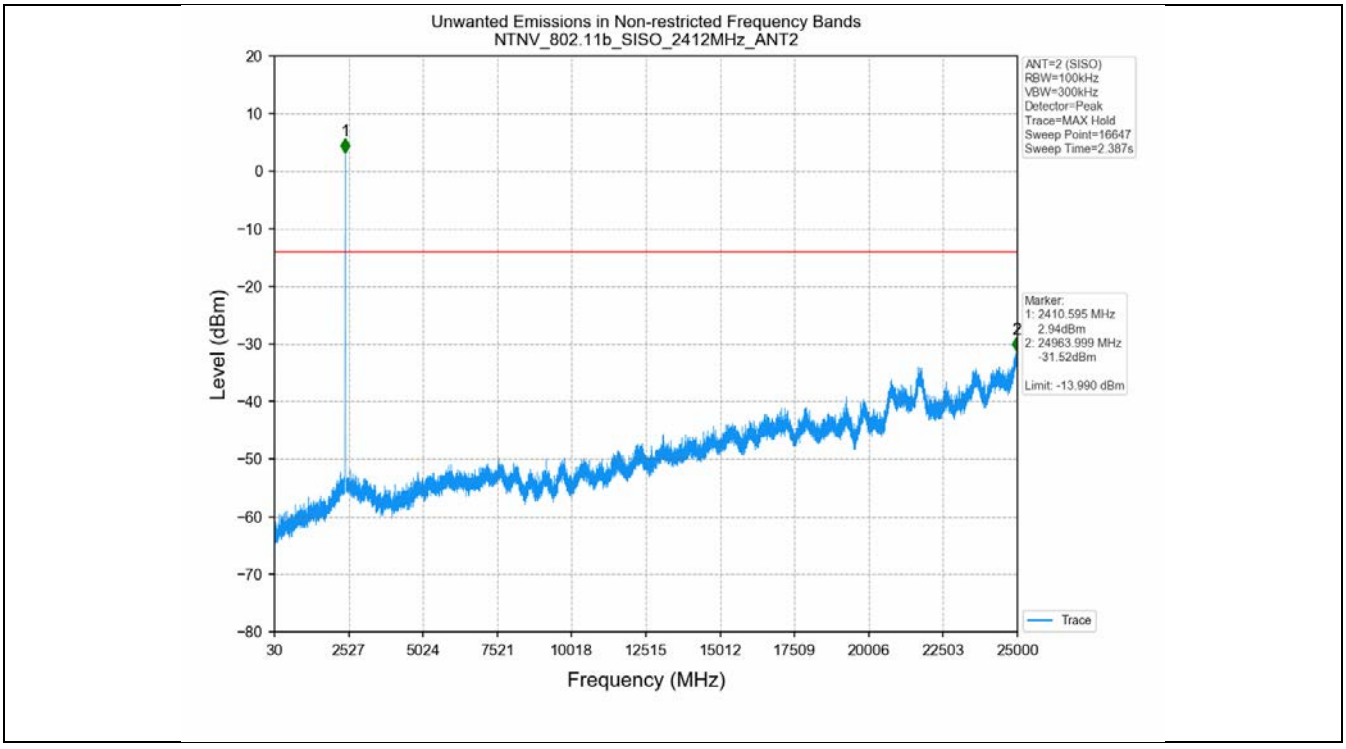
5.2 Test Graph

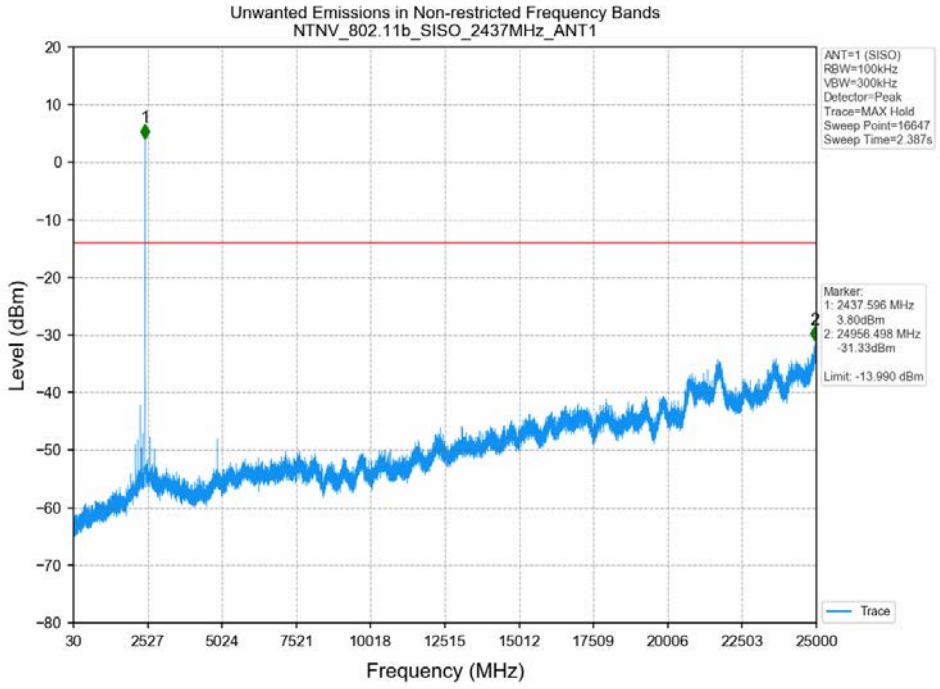


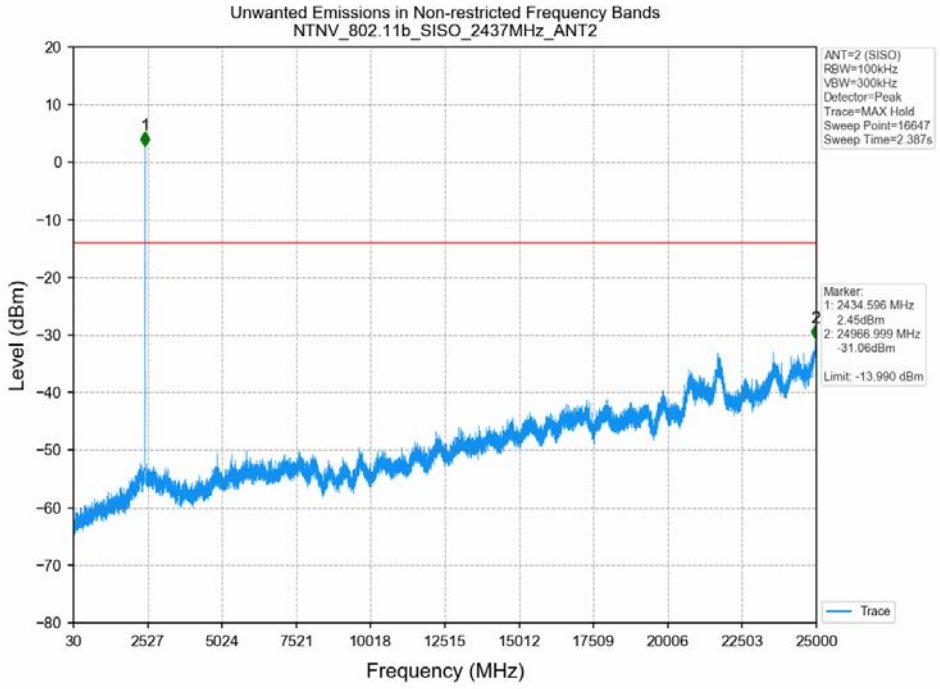

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2411.016 MHz
5.98dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

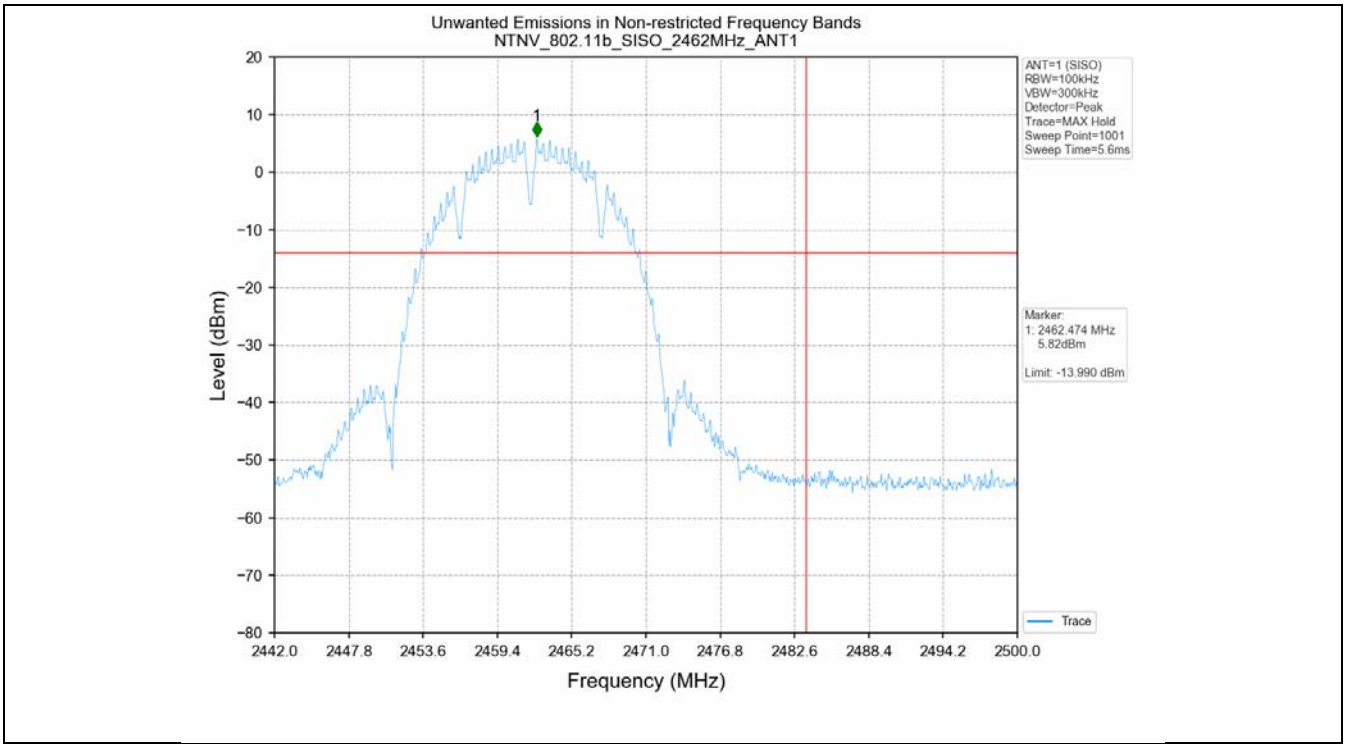

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2413.595 MHz
5.74dBm
2: 24983.499 MHz
-30.85dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

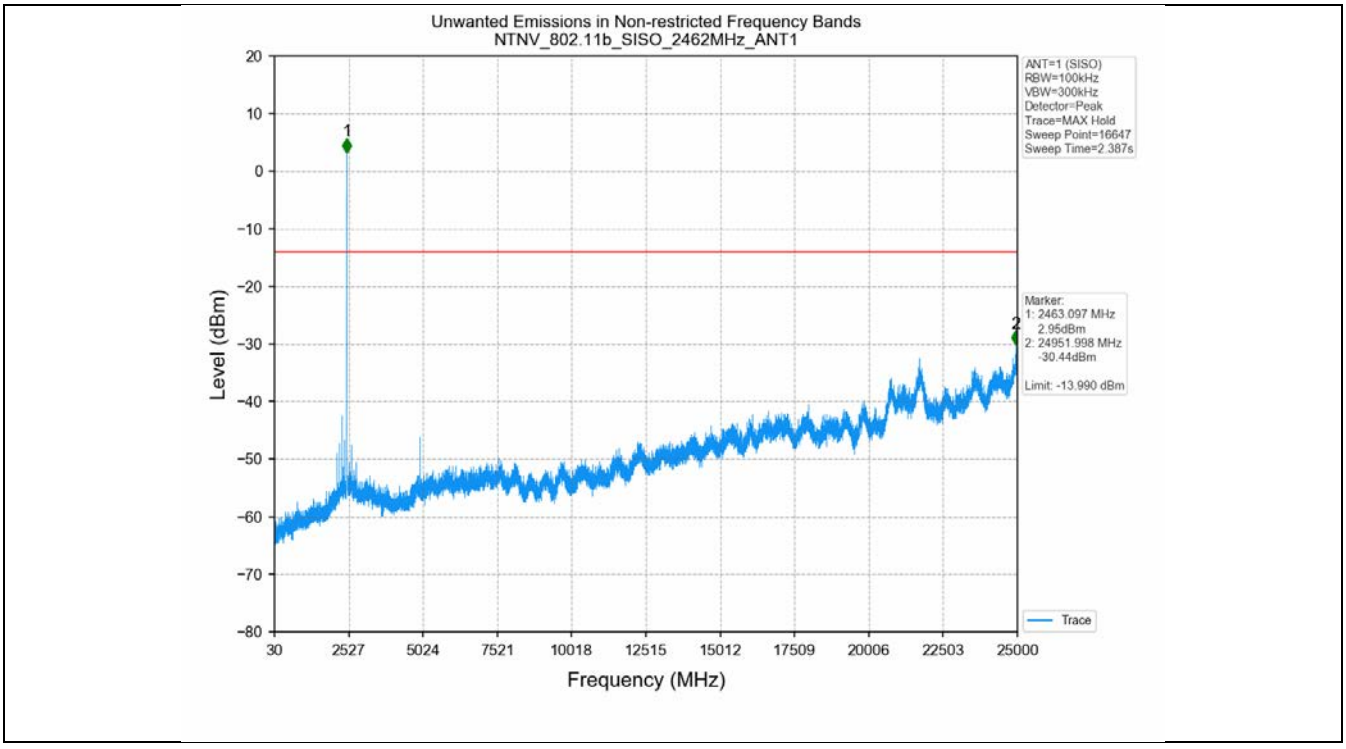

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2411.016 MHz
5.03dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

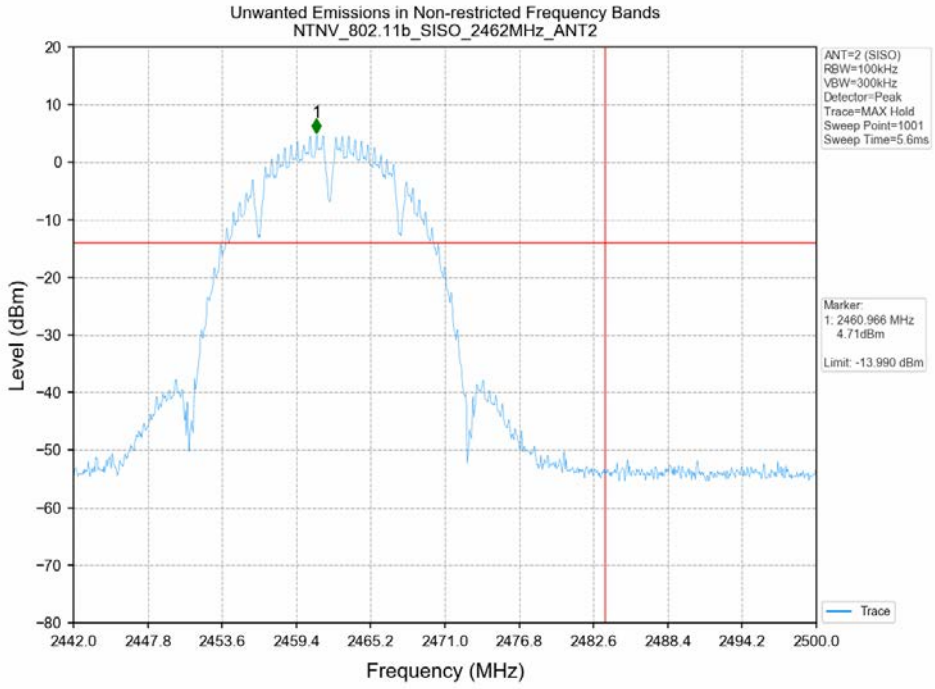

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2410.595 MHz
2.94dBm
2: 24963.999 MHz
-31.52dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

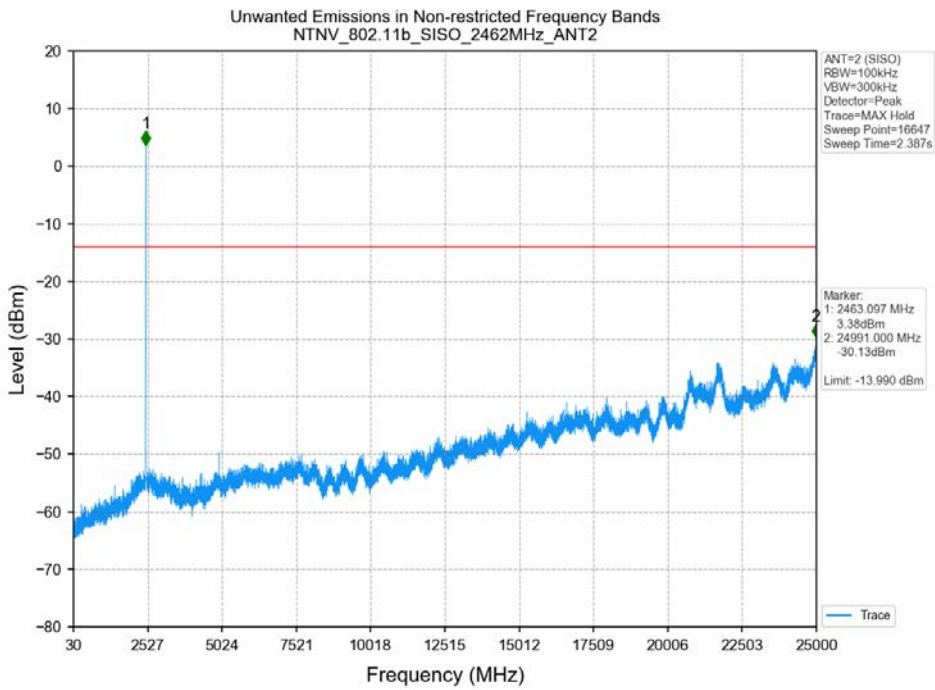

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2437.596 MHz
3.80dBm
2: 24956.498 MHz
-31.33dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

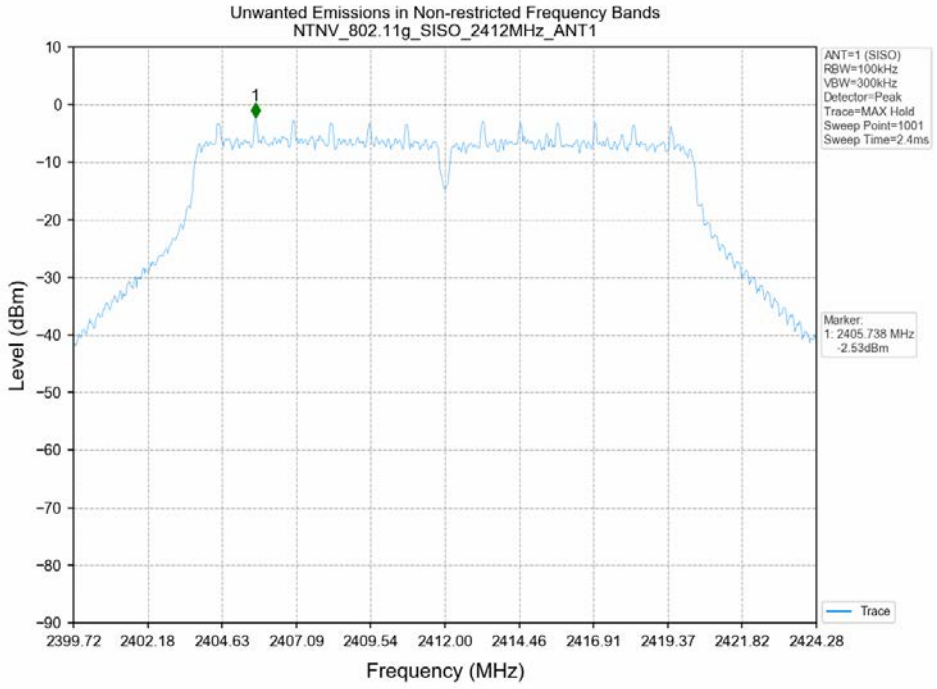

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2434.596 MHz
2.45dBm
2: 24966.999 MHz
-31.06dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

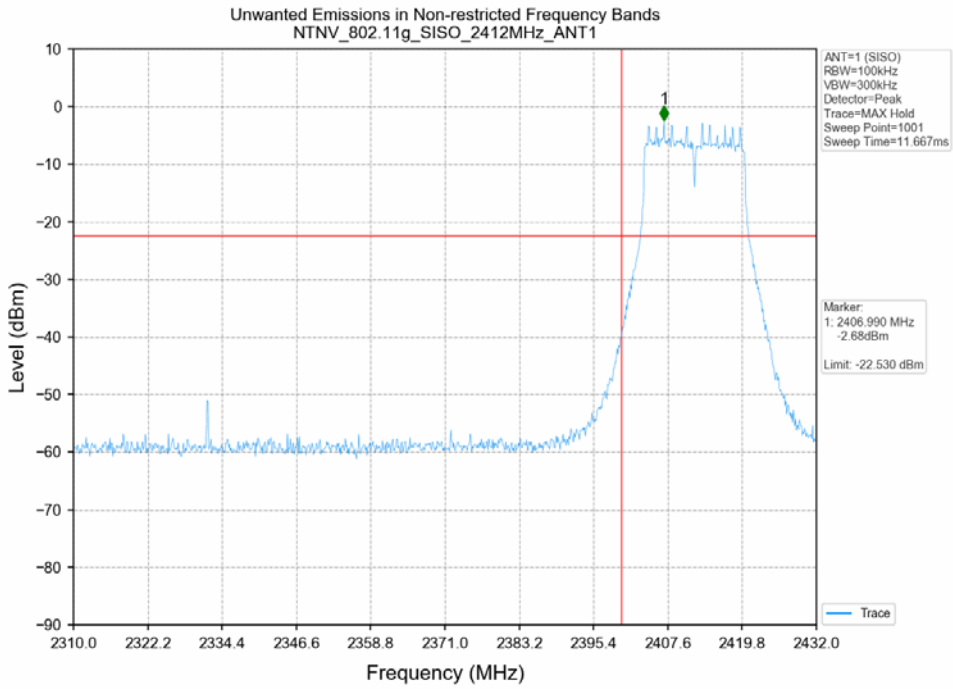

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2462.474 MHz
5.82dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

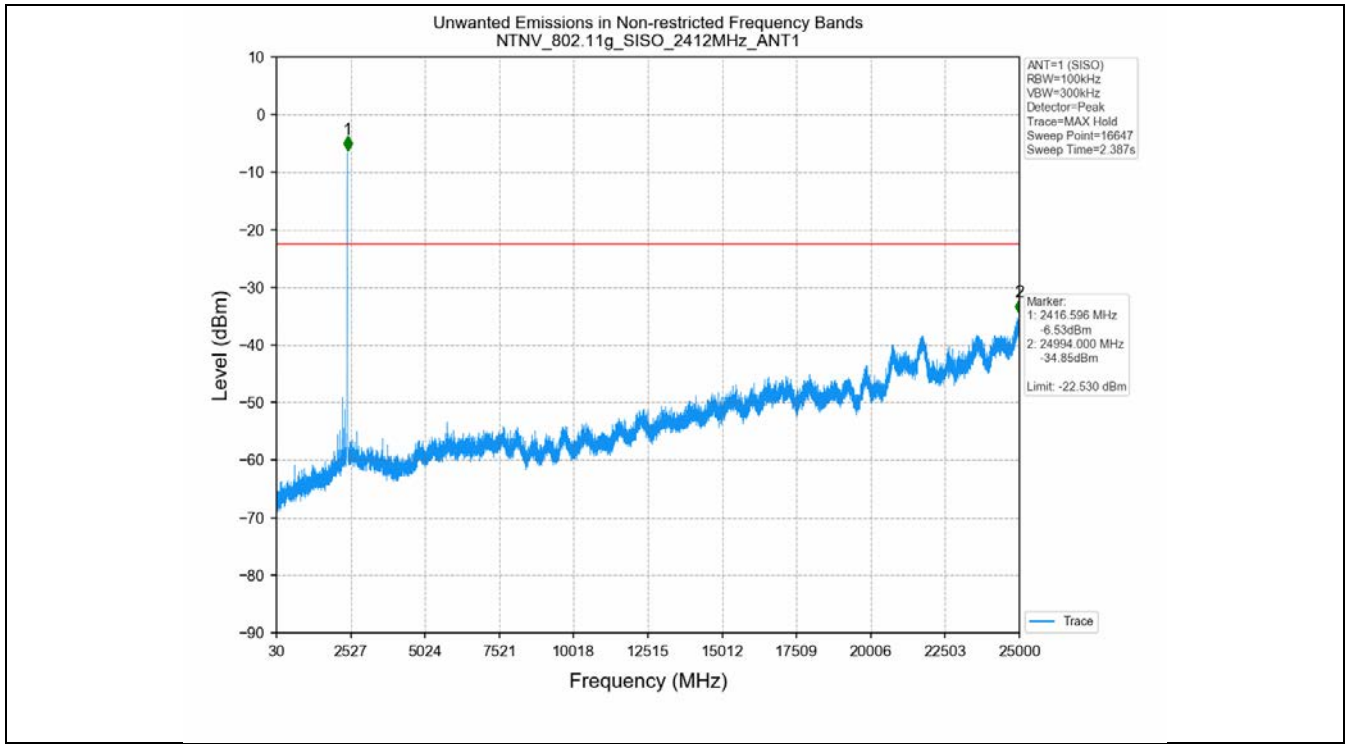

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
2.95dBm
2: 24951.998 MHz
-30.44dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

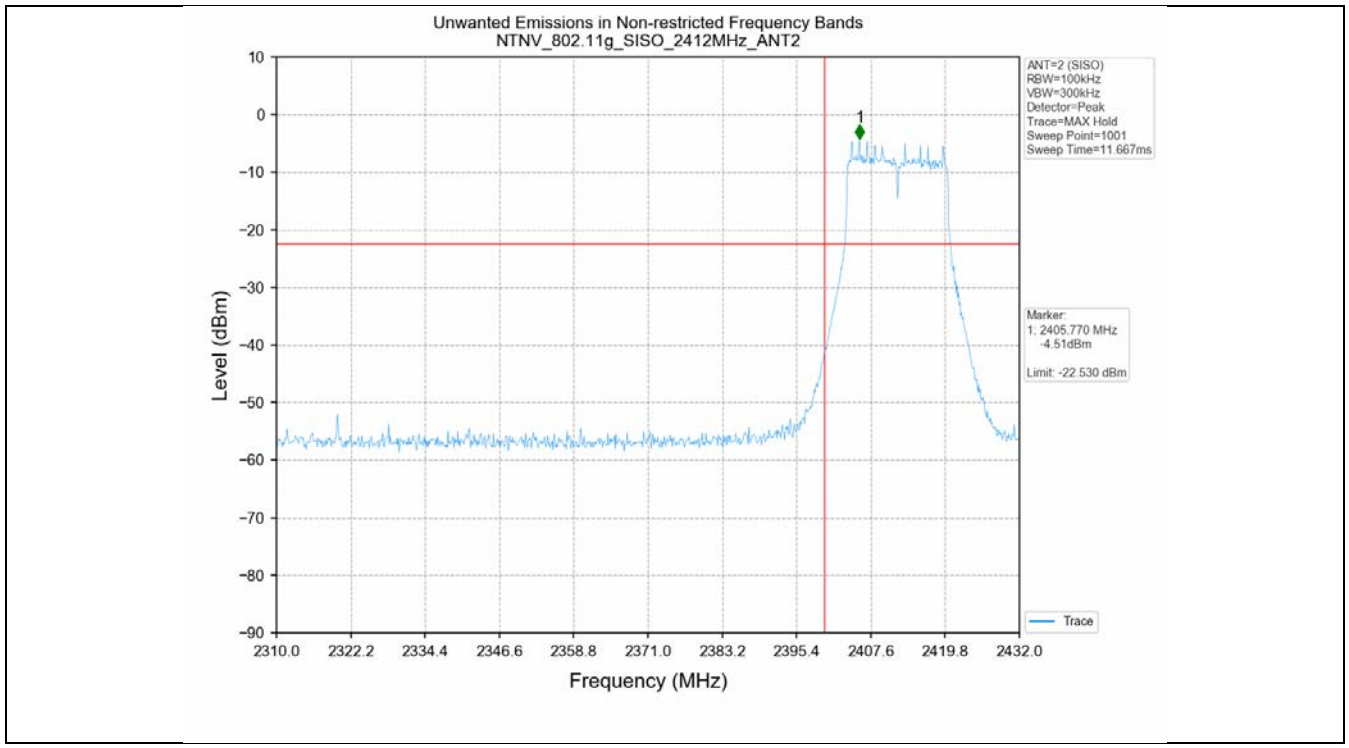

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2460.966 MHz
4.71dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

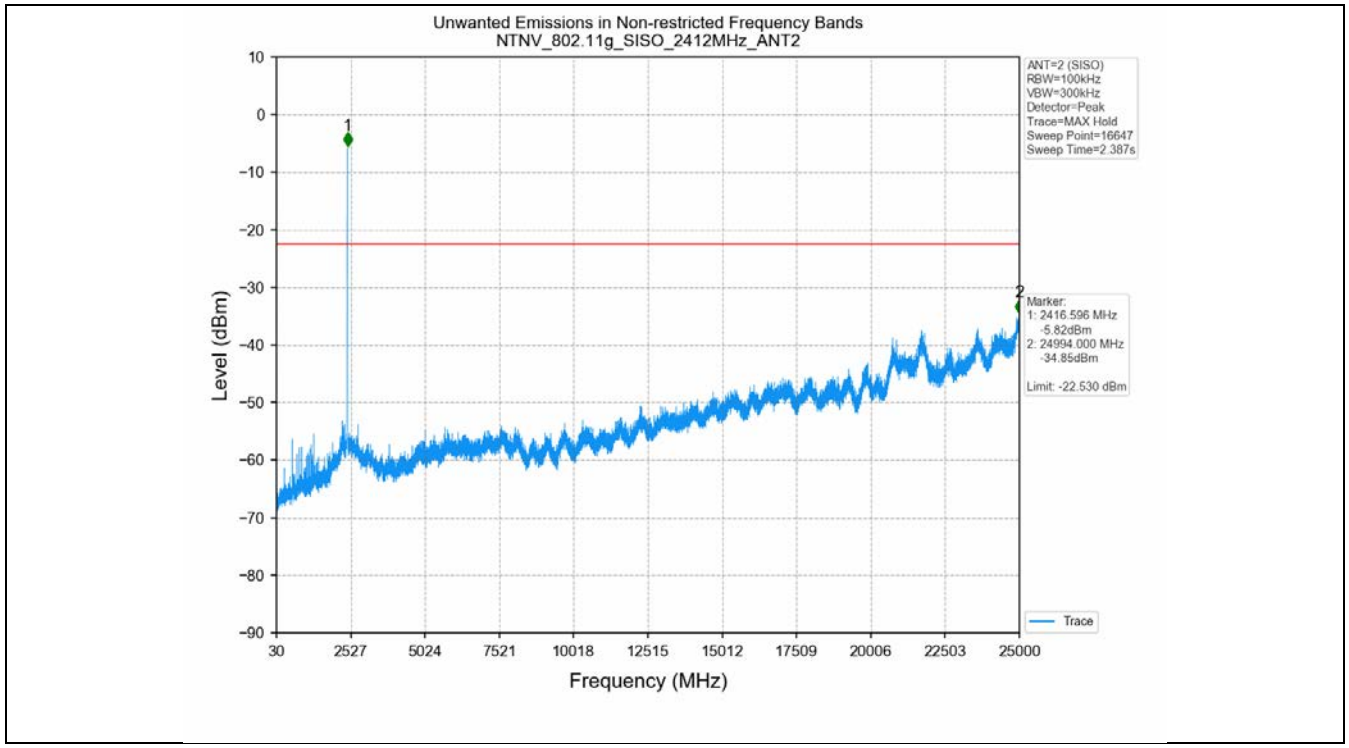

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
3.38dBm
2: 24991.000 MHz
-30.13dBm
Limit: -13.990 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

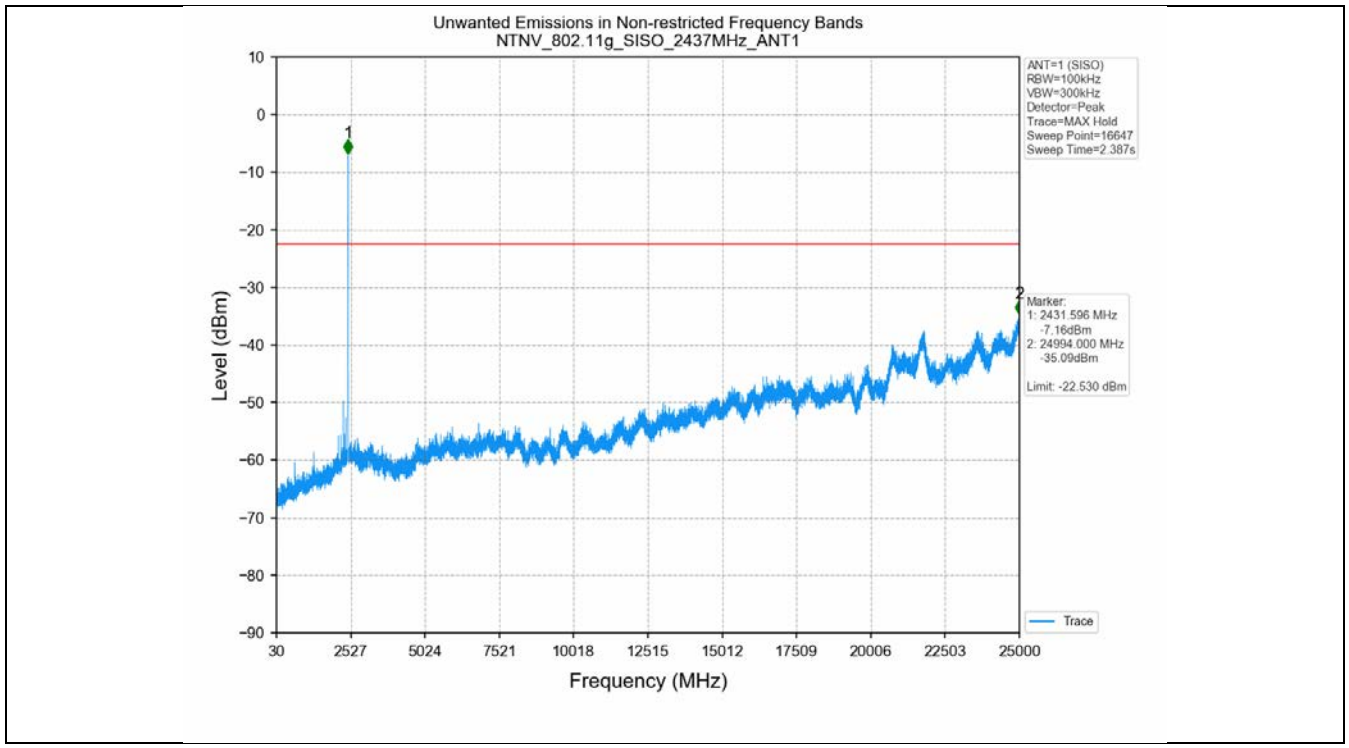

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.4ms
Marker:
1: 2405.738 MHz
-2.53dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2399.72
2402.18
2404.63
2407.09
2409.54
2412.00
2414.46
2416.91
2419.37
2421.82
2424.28

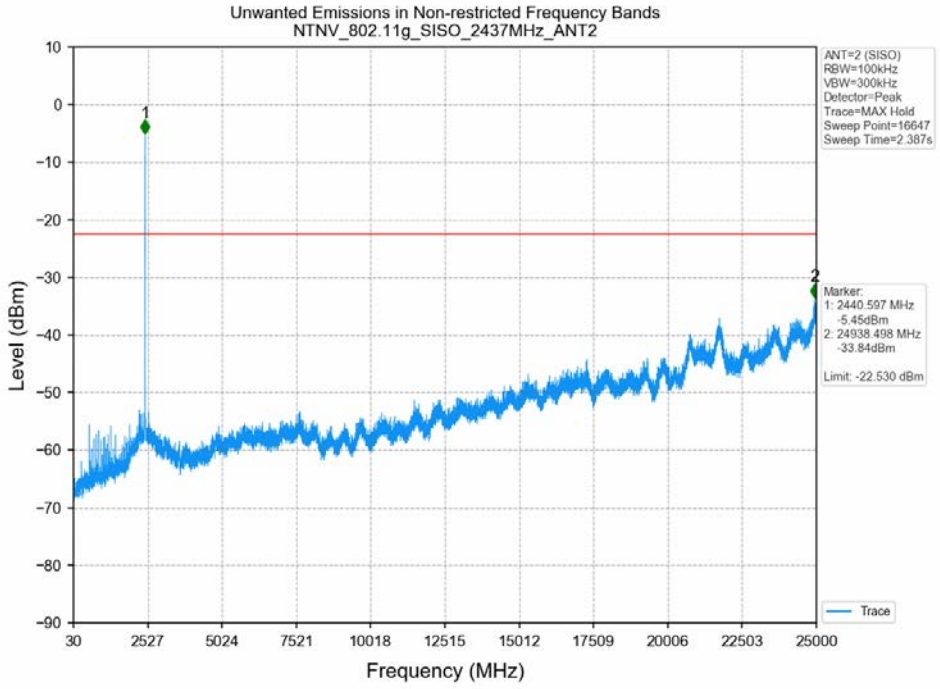

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2406.990 MHz
-2.68dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

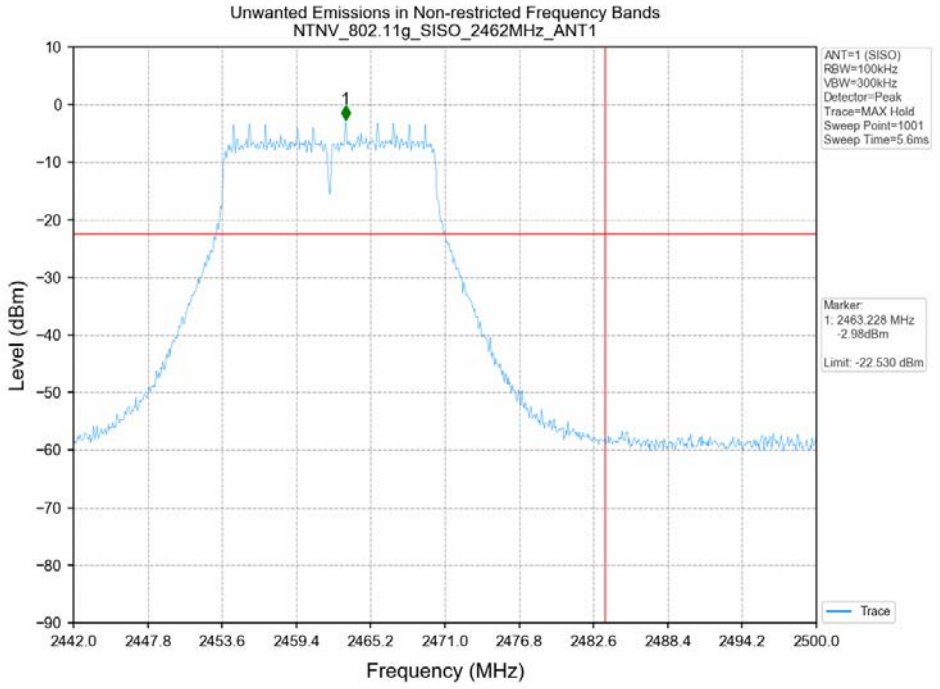

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2416.596 MHz
-6.53dBm
2: 24994.000 MHz
-34.85dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

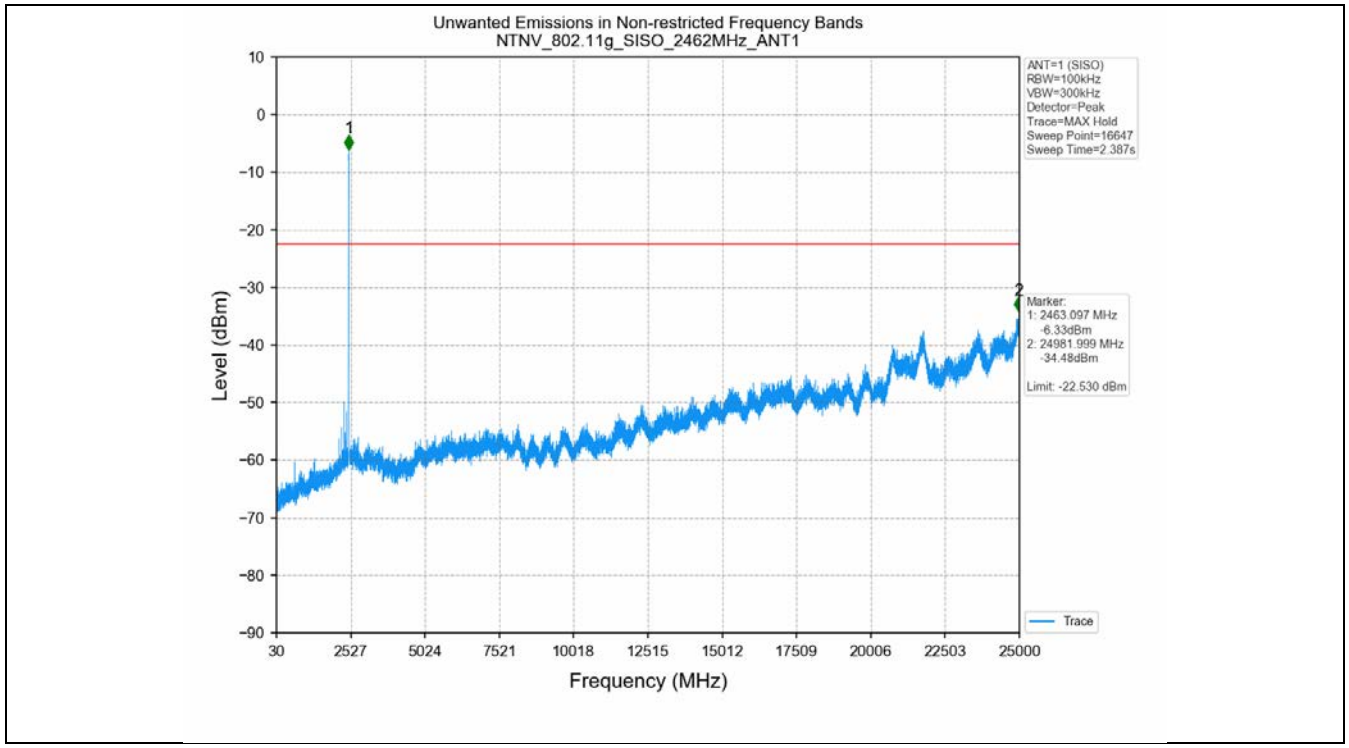

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2405.770 MHz
-4.51dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

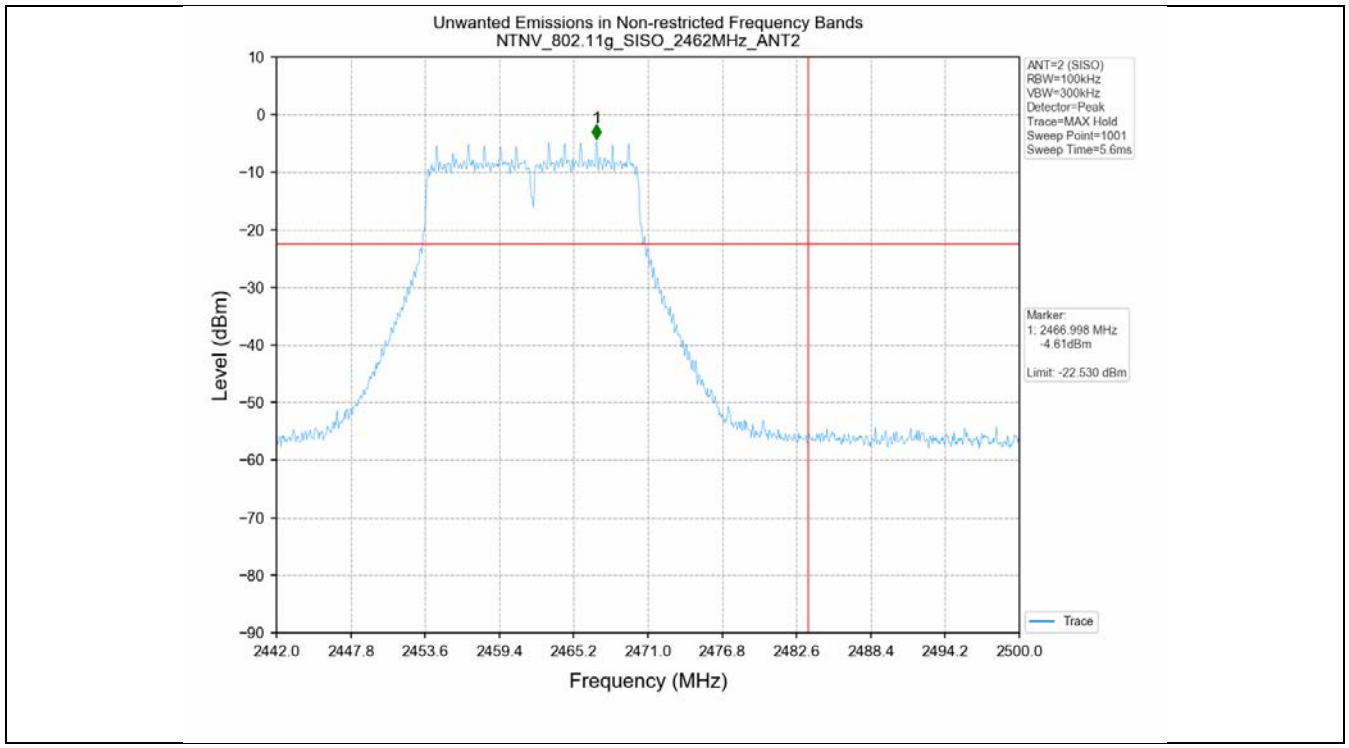

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2416.596 MHz
-5.82dBm
2: 24994.000 MHz
-34.85dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

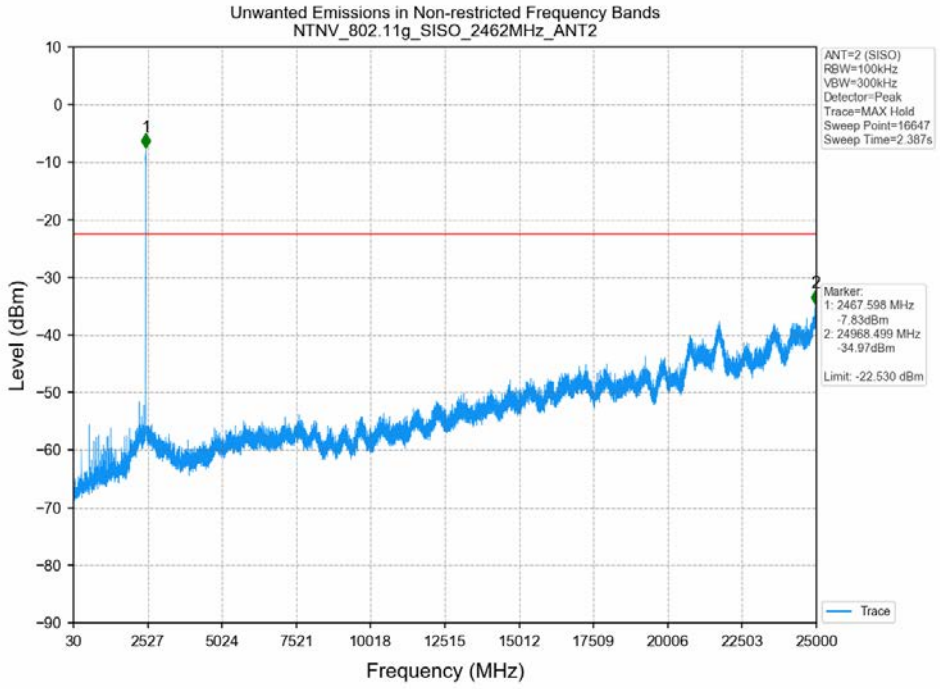

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2431.596 MHz
-7.16dBm
2: 24994.000 MHz
-35.09dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

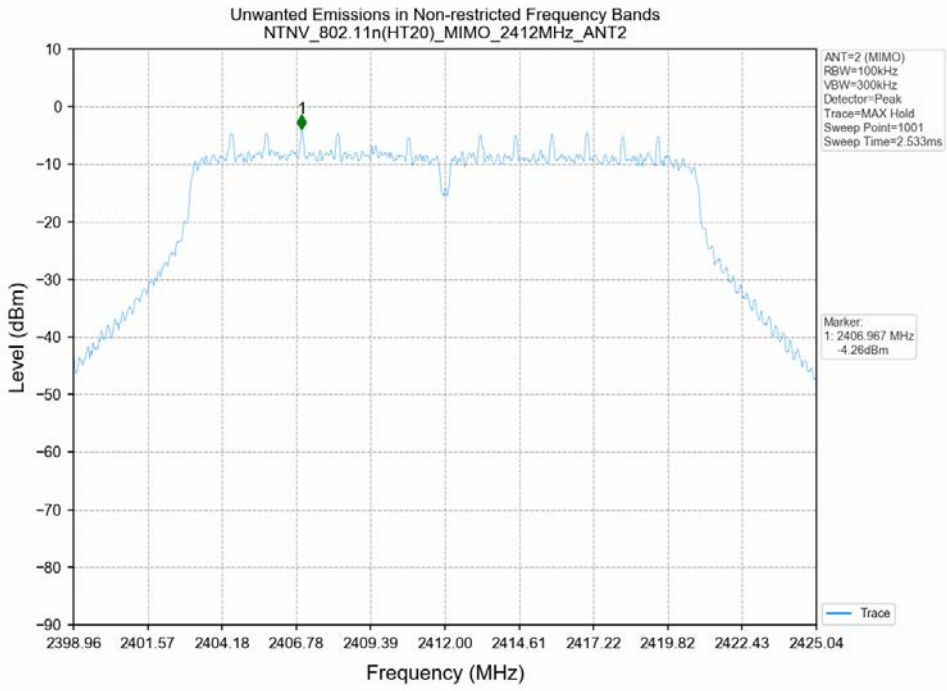

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2440.597 MHz
-5.45dBm
2: 24938.498 MHz
-33.84dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

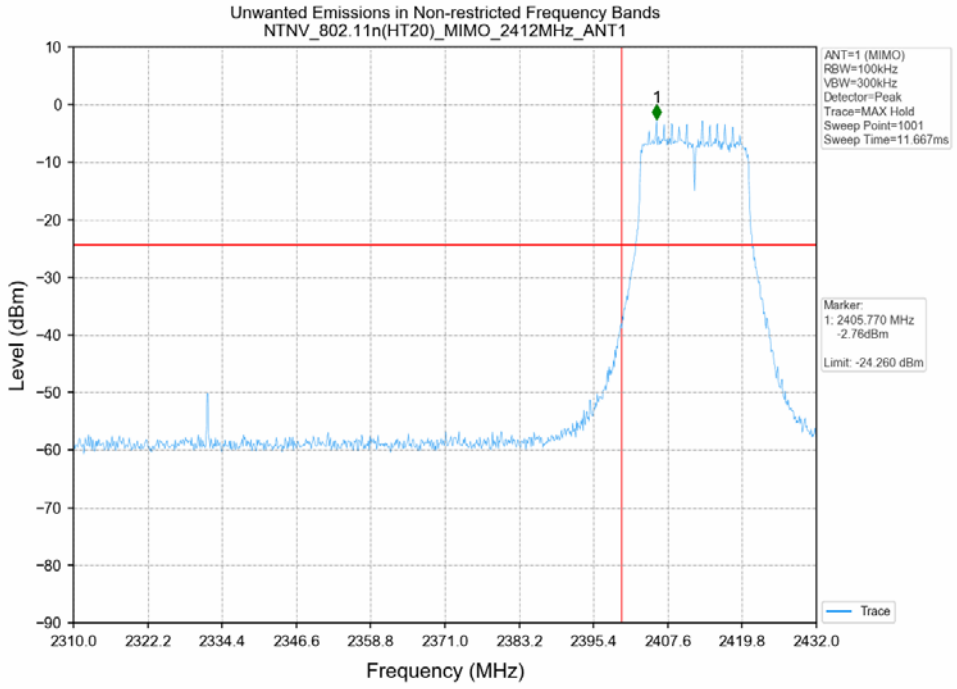

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2463.228 MHz
-2.98dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

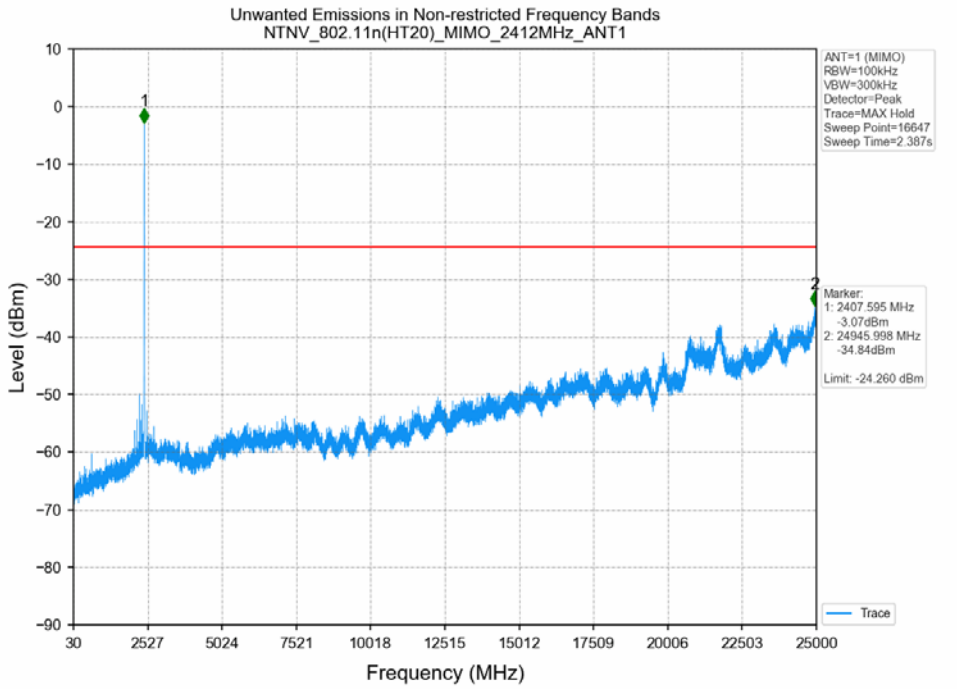

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
-6.33dBm
2: 24981.999 MHz
-34.48dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

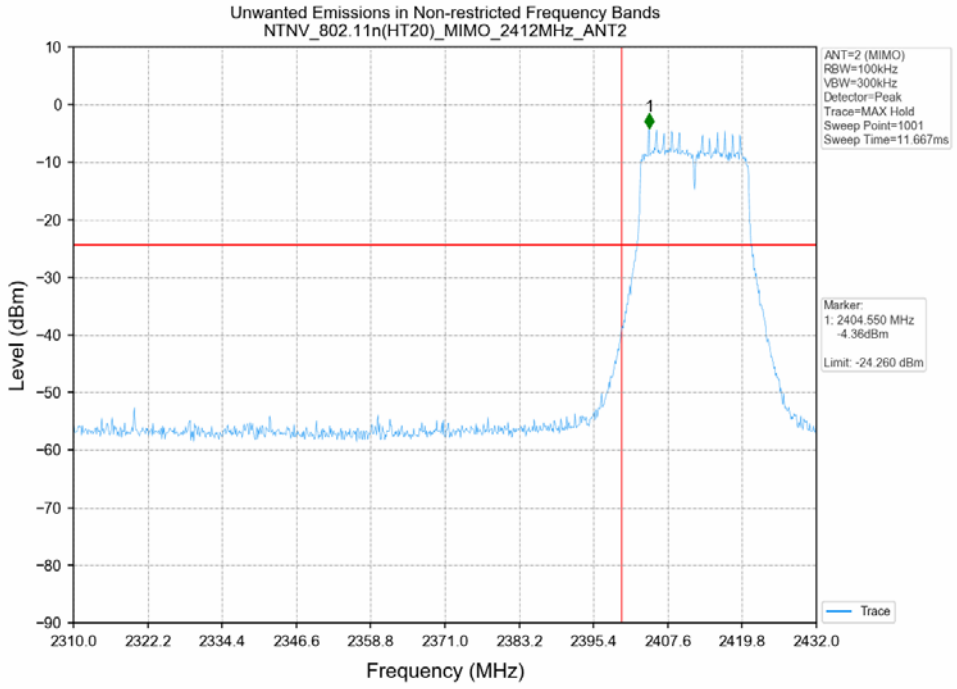

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2466.998 MHz
-4.61dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

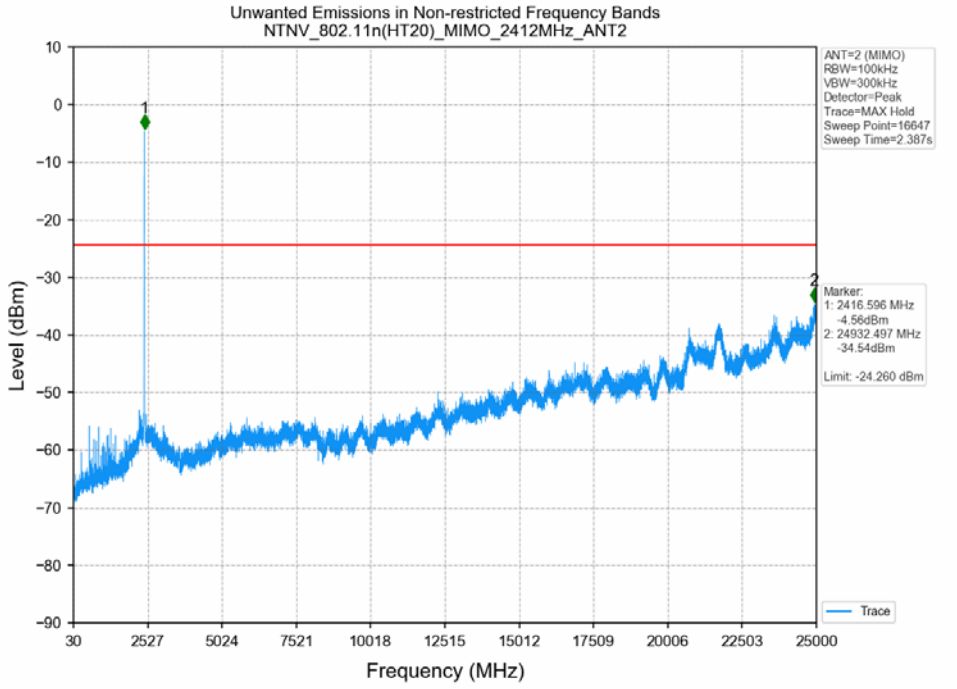

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2467.598 MHz
-7.83dBm
2: 24968.499 MHz
-34.97dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

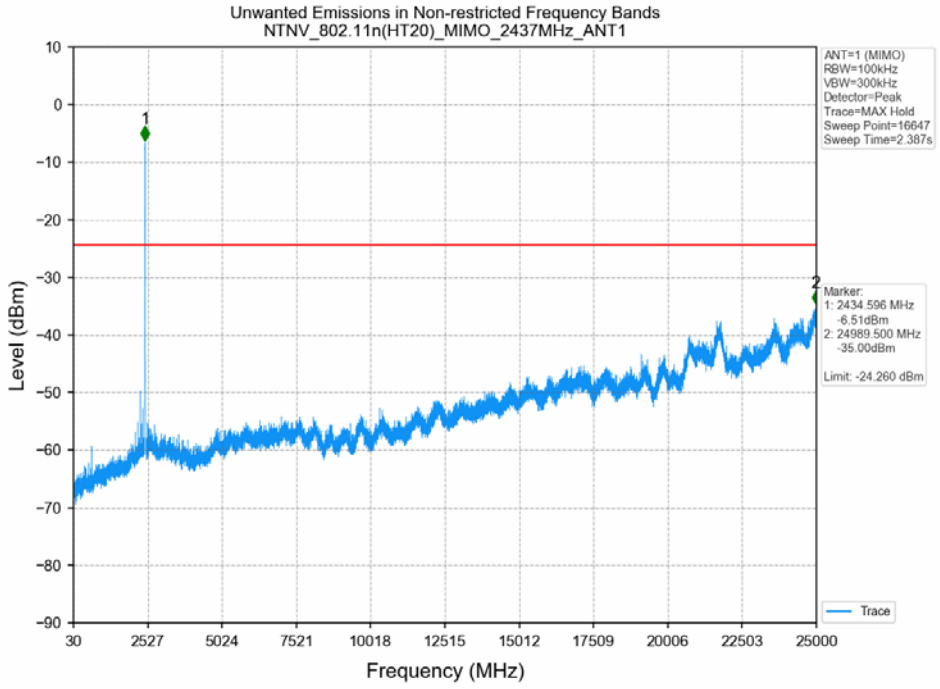

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
Marker:
1: 2406.967 MHz
-4.26dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2398.96
2401.57
2404.18
2406.78
2409.39
2412.00
2414.61
2417.22
2419.82
2422.43
2425.04

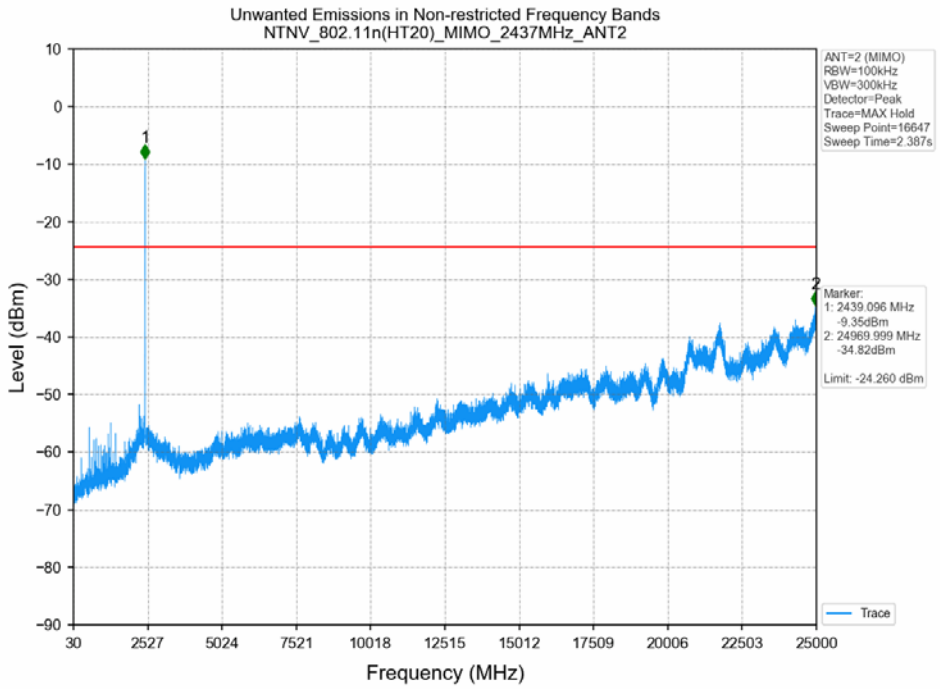

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2405.770 MHz
-2.76dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

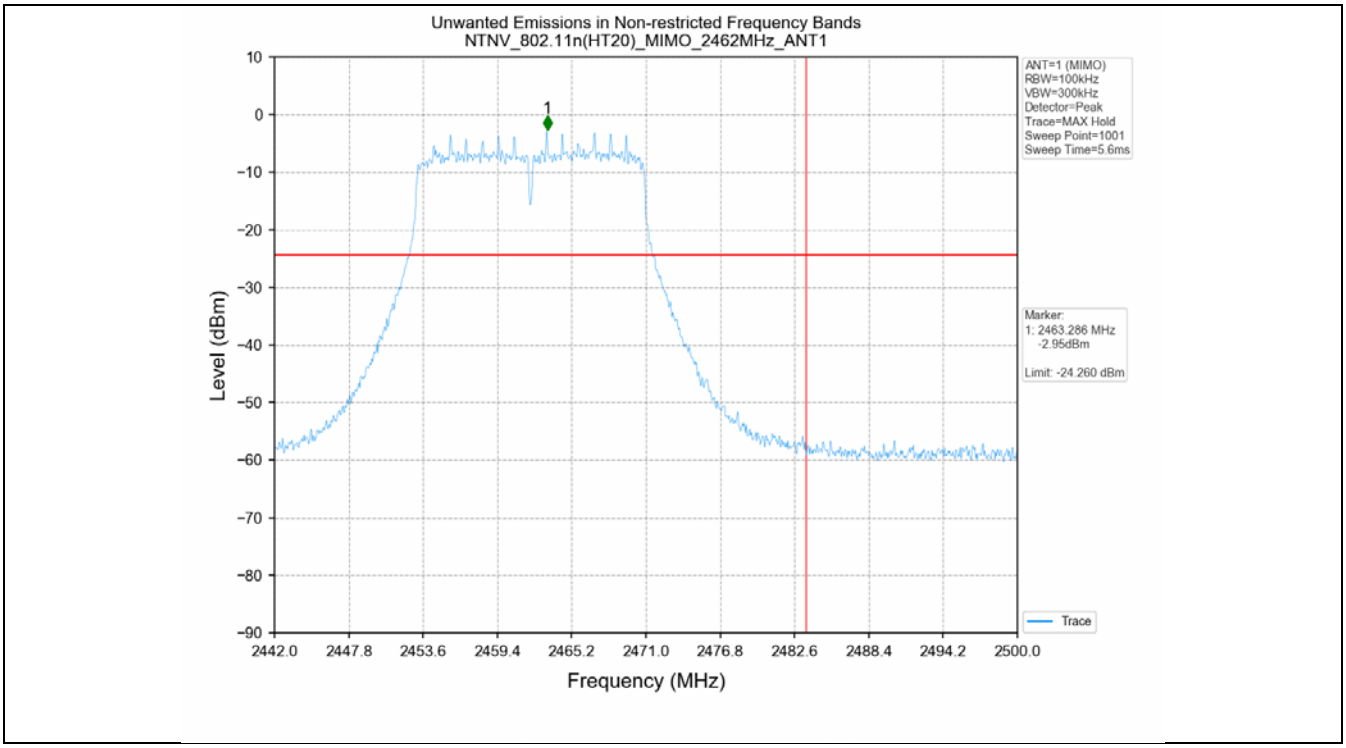

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2407.595 MHz
-3.07dBm
2: 24945.998 MHz
-34.84dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

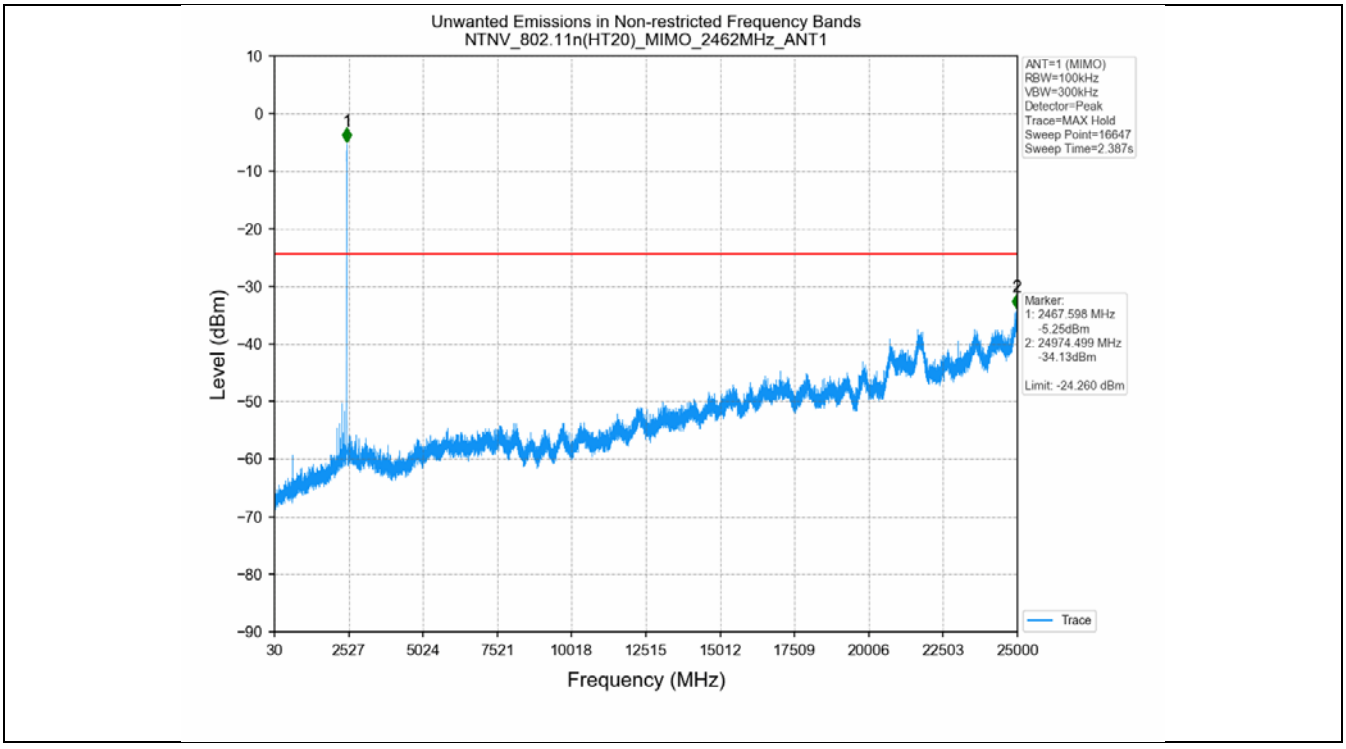

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2404.550 MHz
-4.36dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

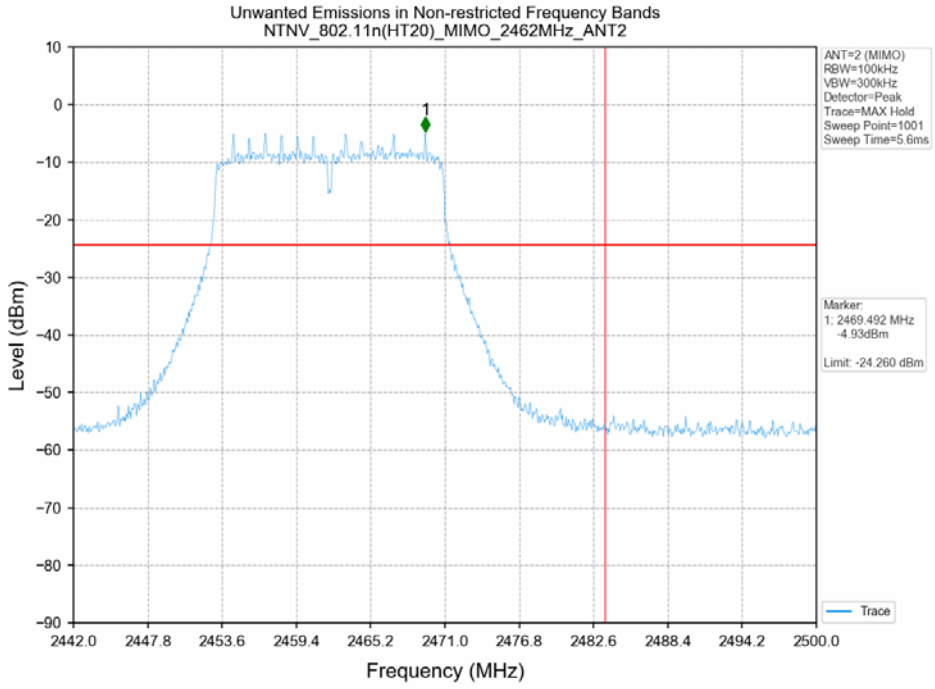

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2416.596 MHz
-4.56dBm
2: 24932.497 MHz
-34.54dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

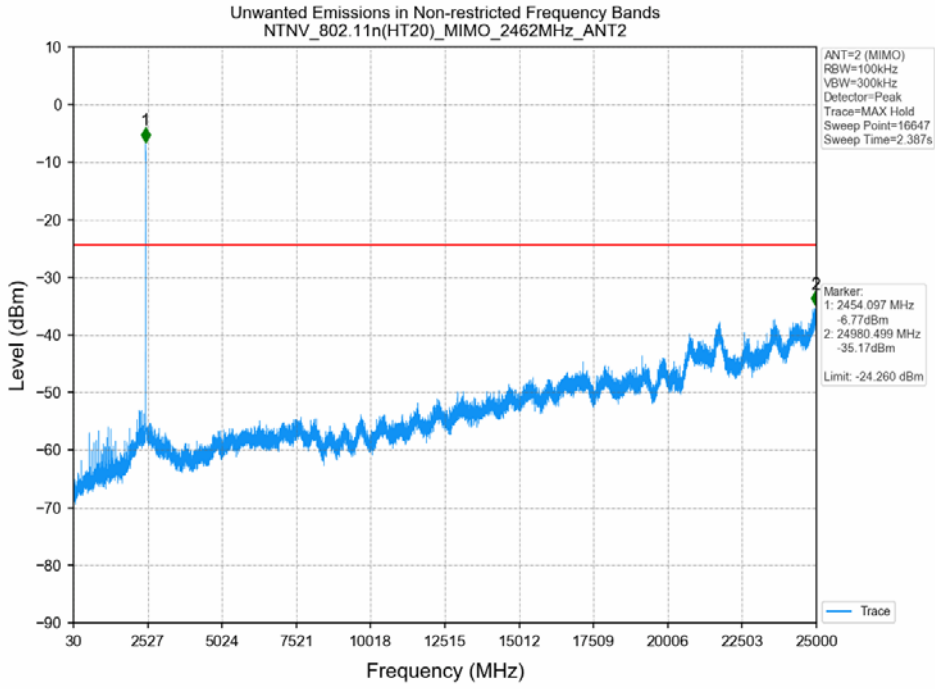

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2434.596 MHz
-6.51dBm
2: 24989.500 MHz
-35.00dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

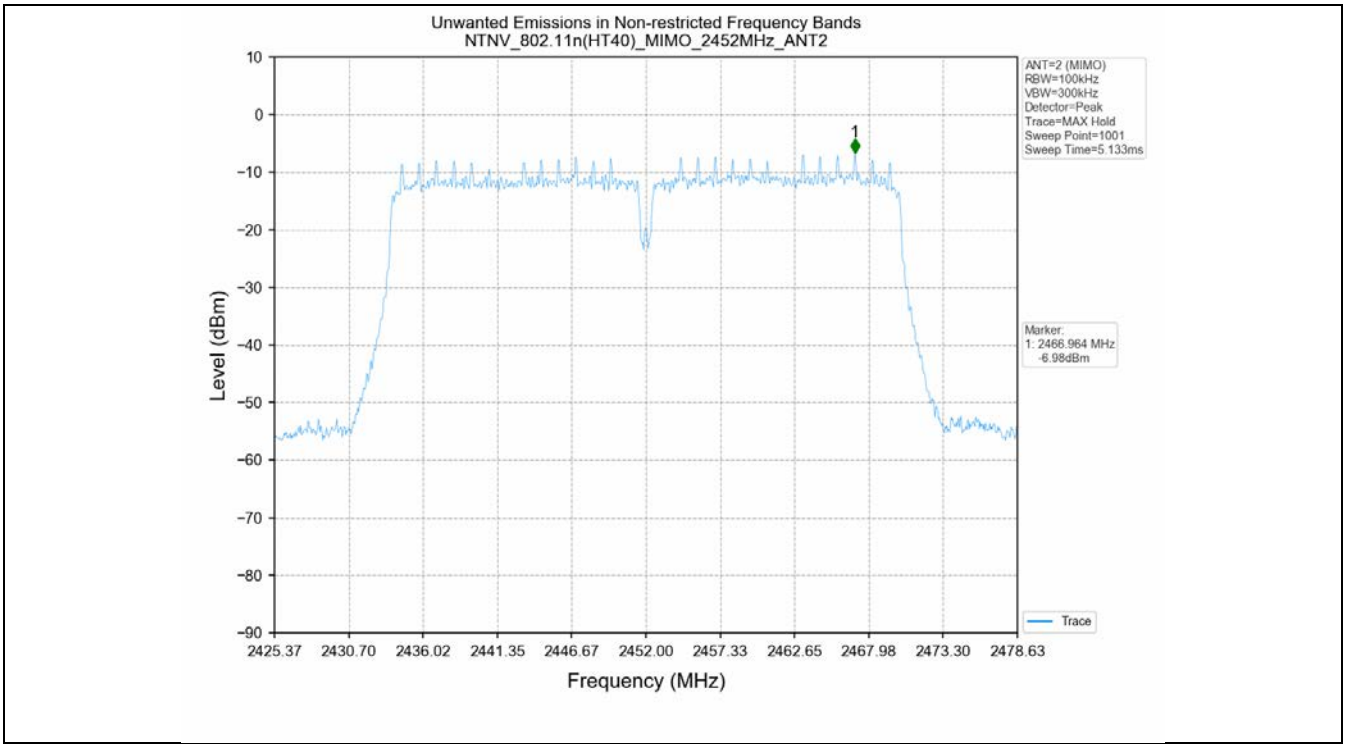

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2439.096 MHz
-9.35dBm
2: 24969.999 MHz
-34.82dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

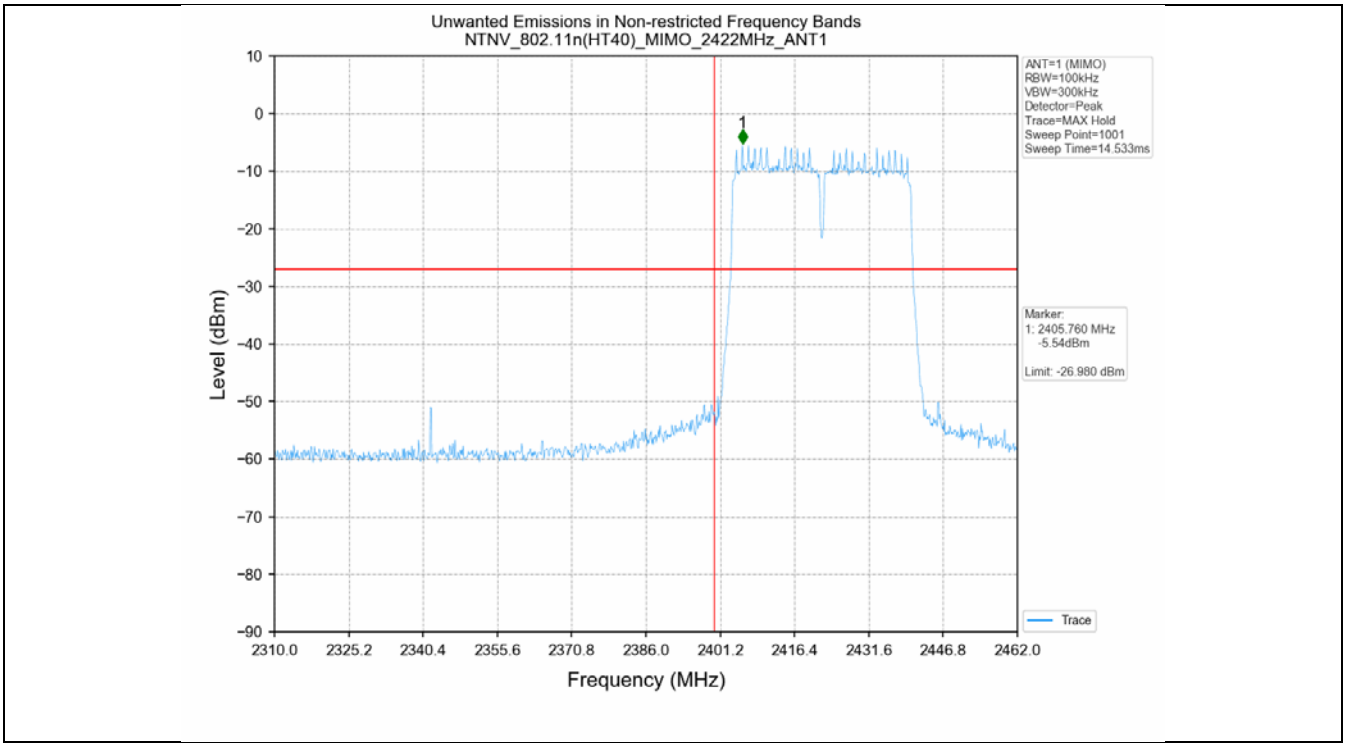

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2463.286 MHz
-2.95dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

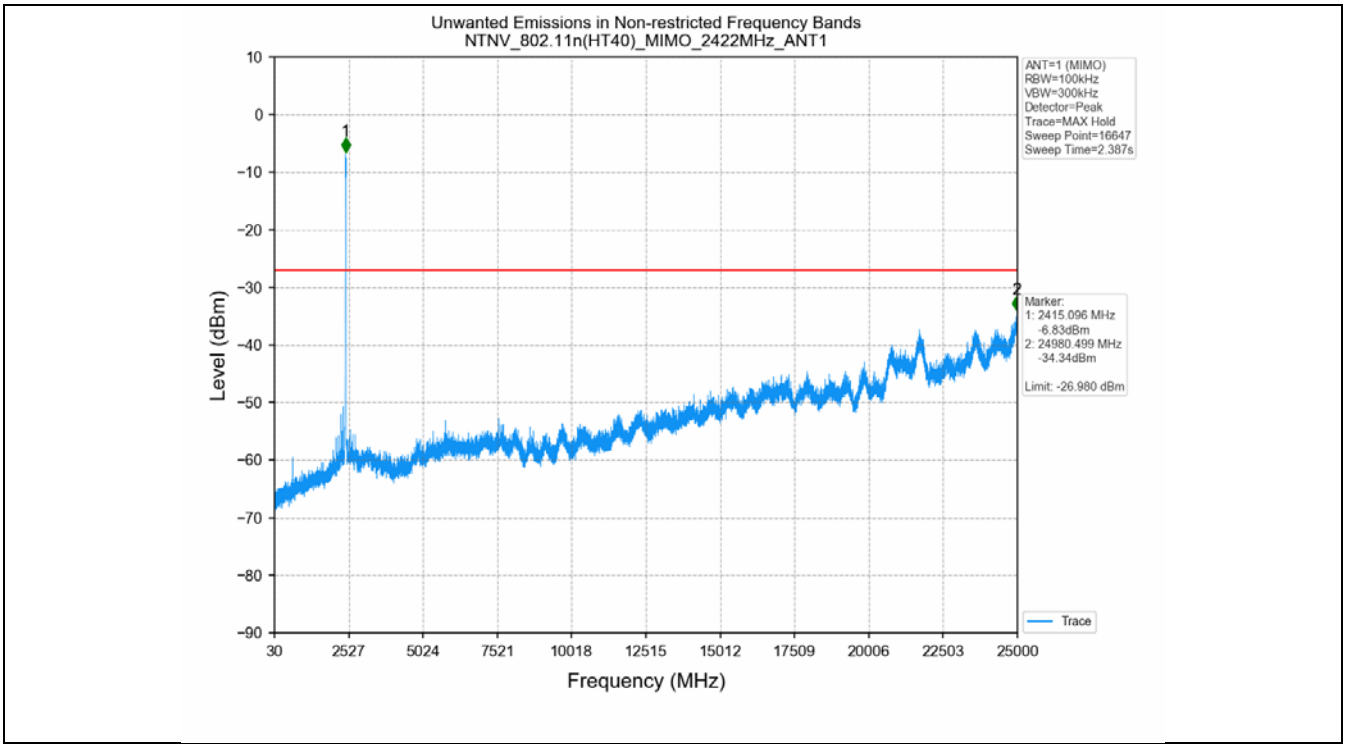

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2467.598 MHz
-5.25dBm
2: 24974.499 MHz
-34.13dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

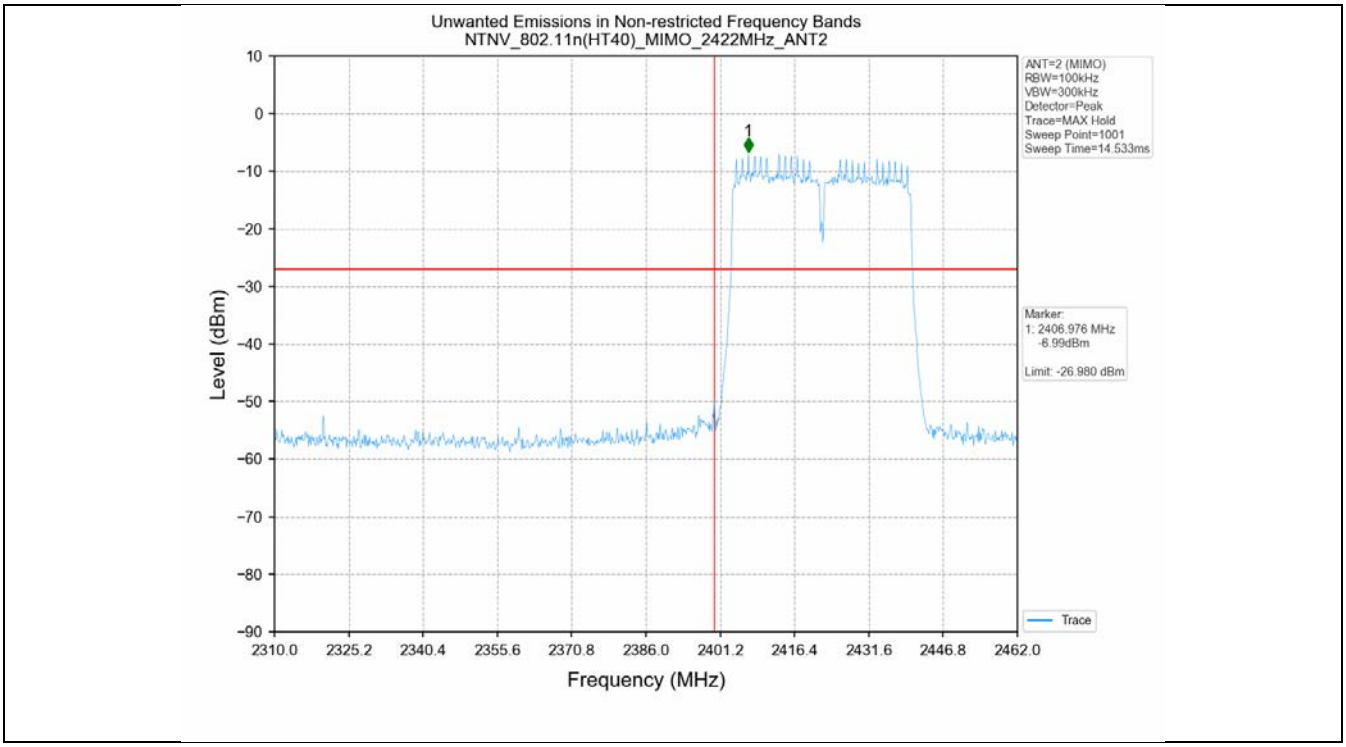

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2469.492 MHz
-4.93dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

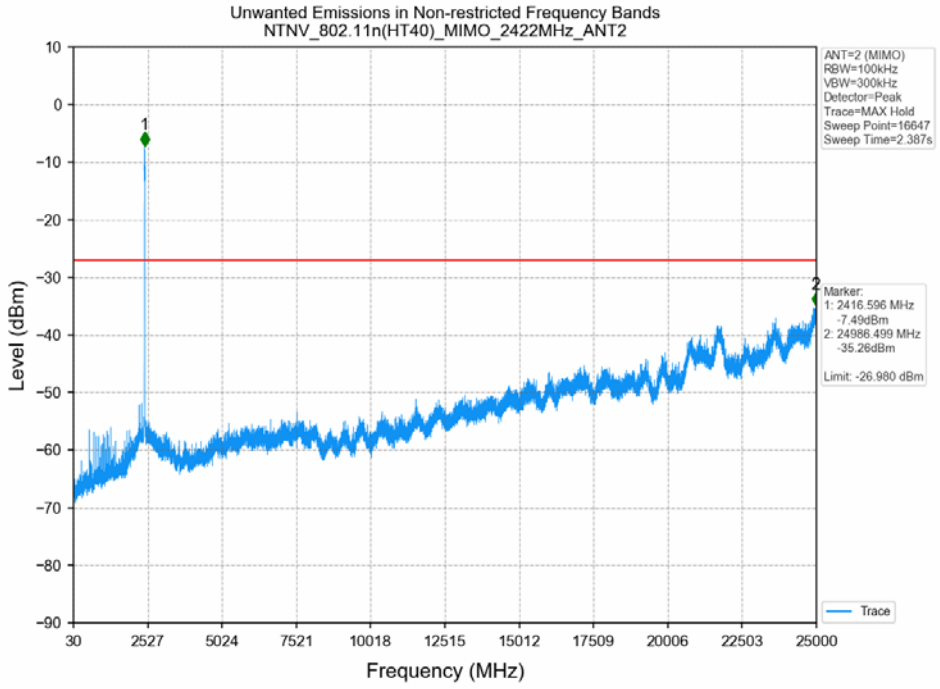

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2454.097 MHz
-6.77dBm
2: 24980.499 MHz
-35.17dBm
Limit: -24.260 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

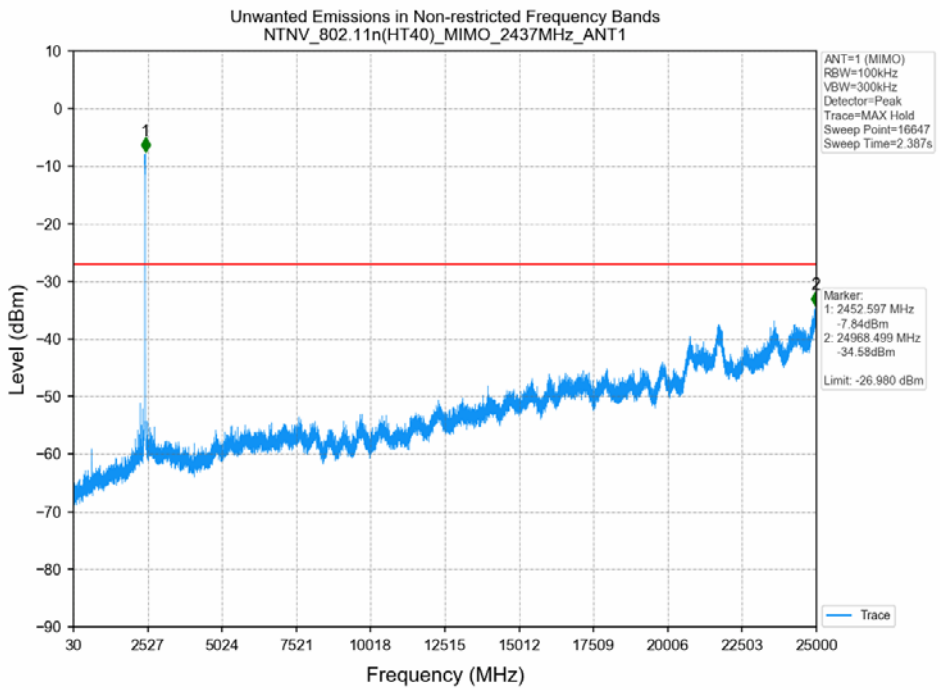

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2452MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.133ms
Marker:
1: 2466.964 MHz
-6.98dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2425.37
2430.70
2436.02
2441.35
2446.67
2452.00
2457.33
2462.65
2467.98
2473.30
2478.63

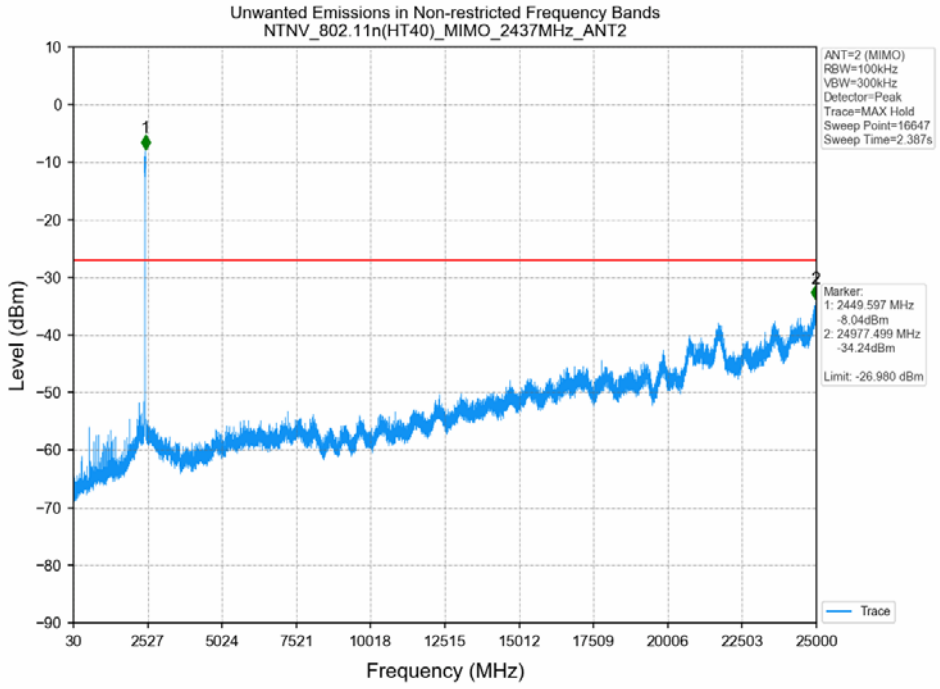

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=14.533ms
Marker:
1: 2405.760 MHz
-5.54dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2325.2
2340.4
2355.6
2370.8
2386.0
2401.2
2416.4
2431.6
2446.8
2462.0

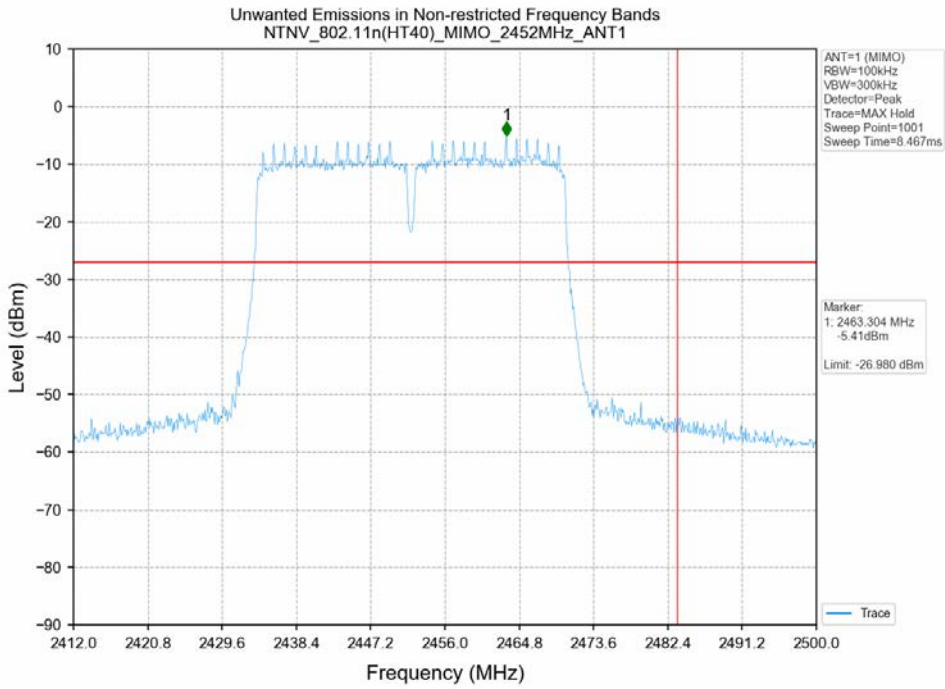

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2415.096 MHz
-6.83dBm
2: 24980.499 MHz
-34.34dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

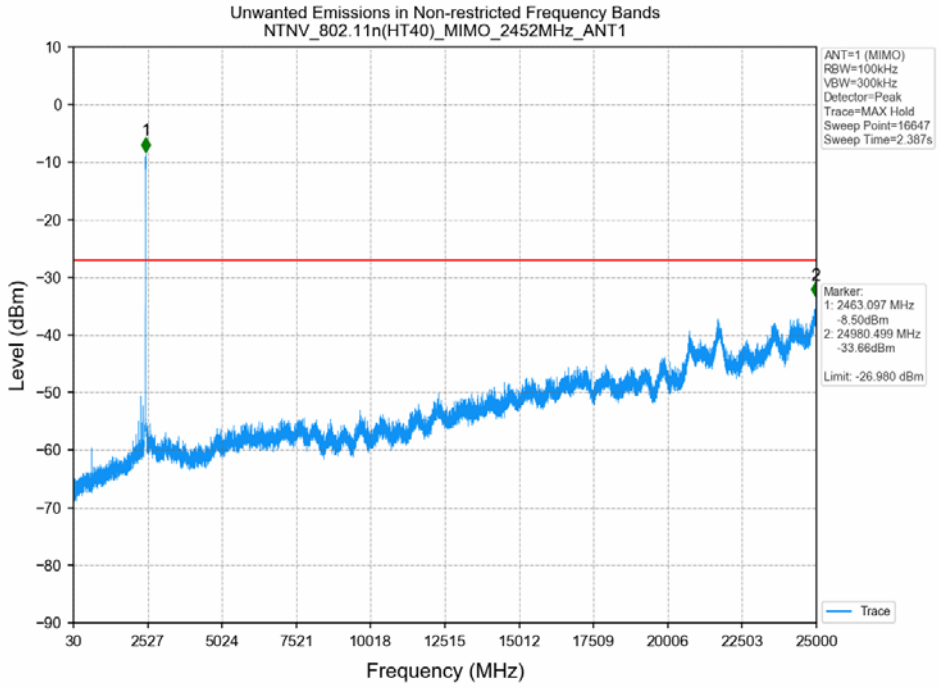

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=14.533ms
Marker:
1: 2406.976 MHz
-6.99dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2325.2
2340.4
2355.6
2370.8
2386.0
2401.2
2416.4
2431.6
2446.8
2462.0

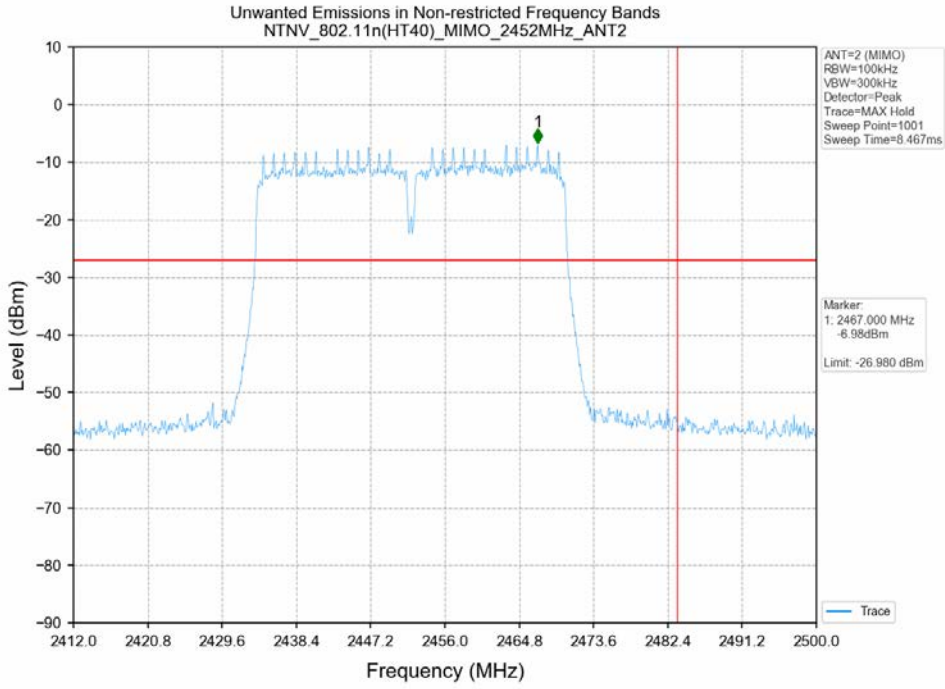

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2416.596 MHz
-7.49dBm
2: 24986.499 MHz
-35.26dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

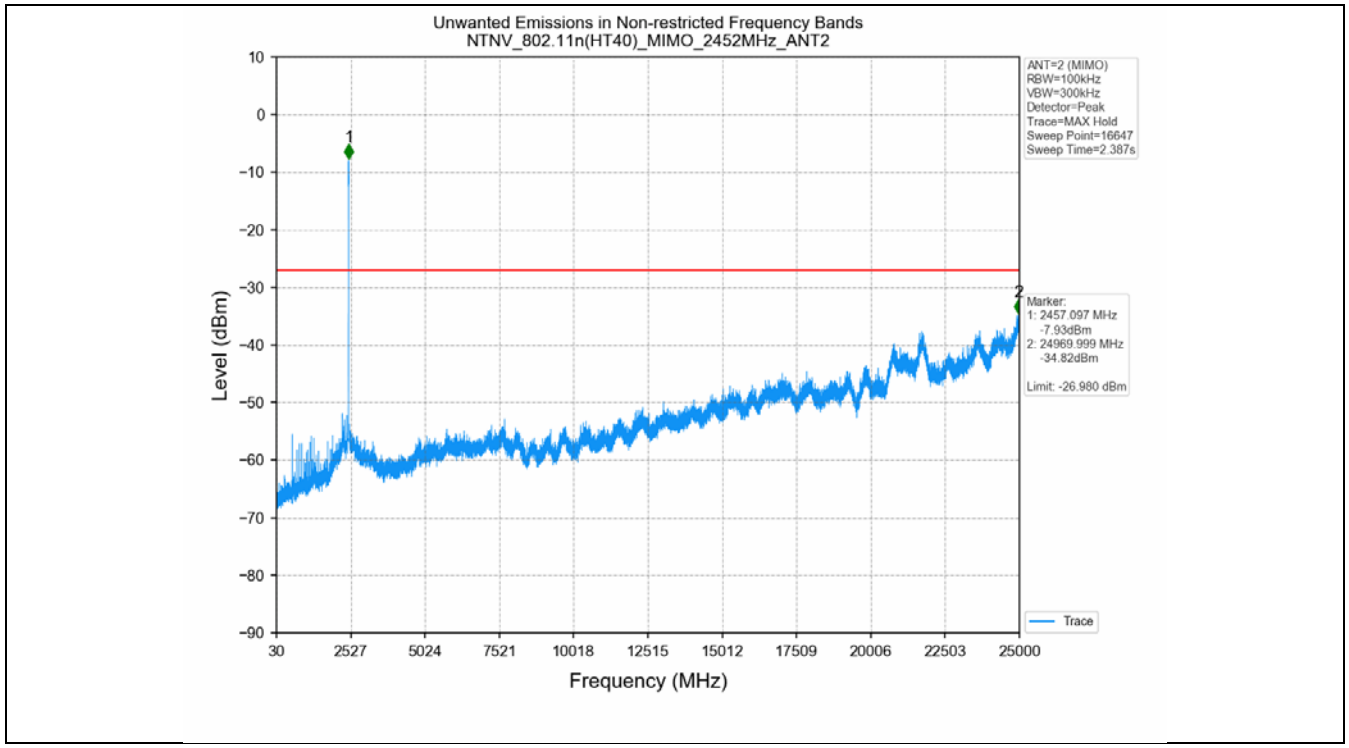

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2452.597 MHz
-7.84dBm
2: 24968.499 MHz
-34.58dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2449.597 MHz
-8.04dBm
2: 24977.499 MHz
-34.24dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2452MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=8.467ms
Marker:
1: 2463.304 MHz
-5.41dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2412.0
2420.8
2429.6
2438.4
2447.2
2456.0
2464.8
2473.6
2482.4
2491.2
2500.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2452MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
-8.50dBm
2: 24980.499 MHz
-33.66dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2452MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=8.467ms
Marker:
1: 2467.000 MHz
-6.98dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2412.0
2420.8
2429.6
2438.4
2447.2
2456.0
2464.8
2473.6
2482.4
2491.2
2500.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2452MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2457.097 MHz
-7.93dBm
2: 24969.999 MHz
-34.82dBm
Limit: -26.980 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000