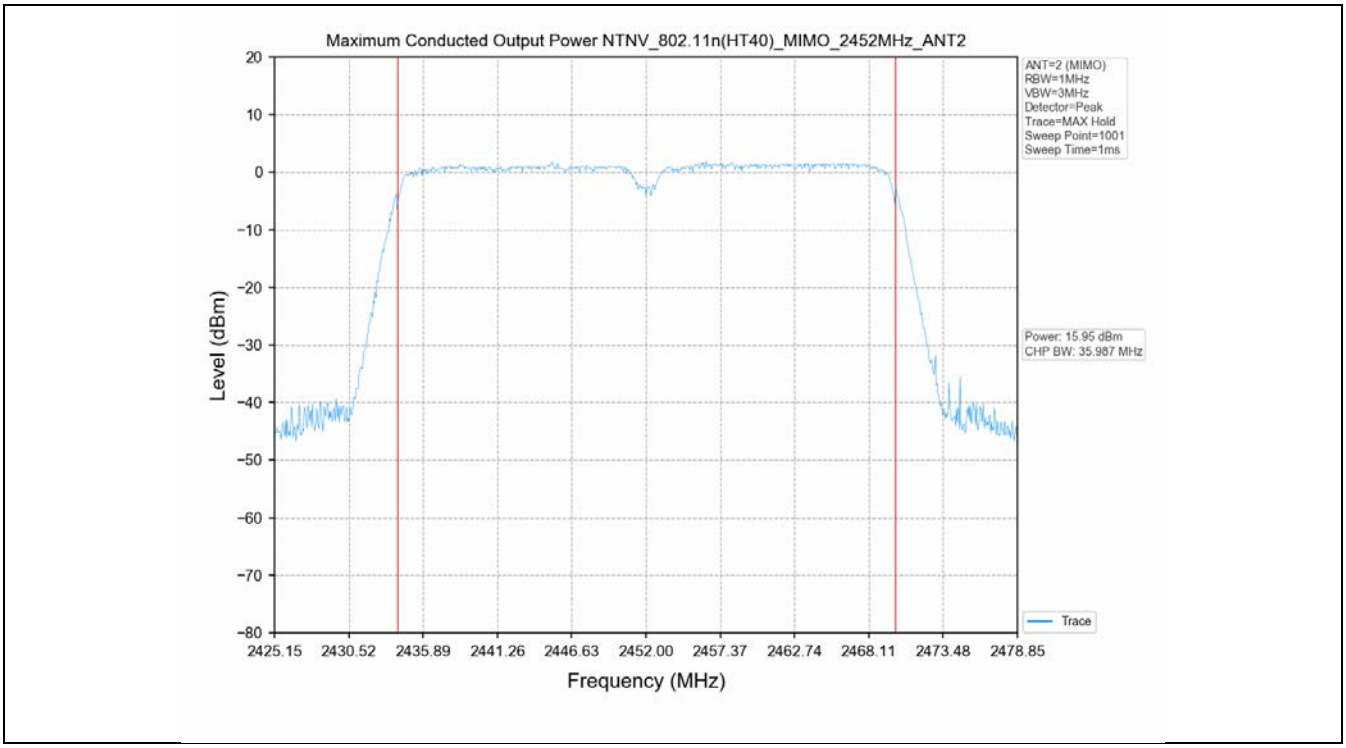
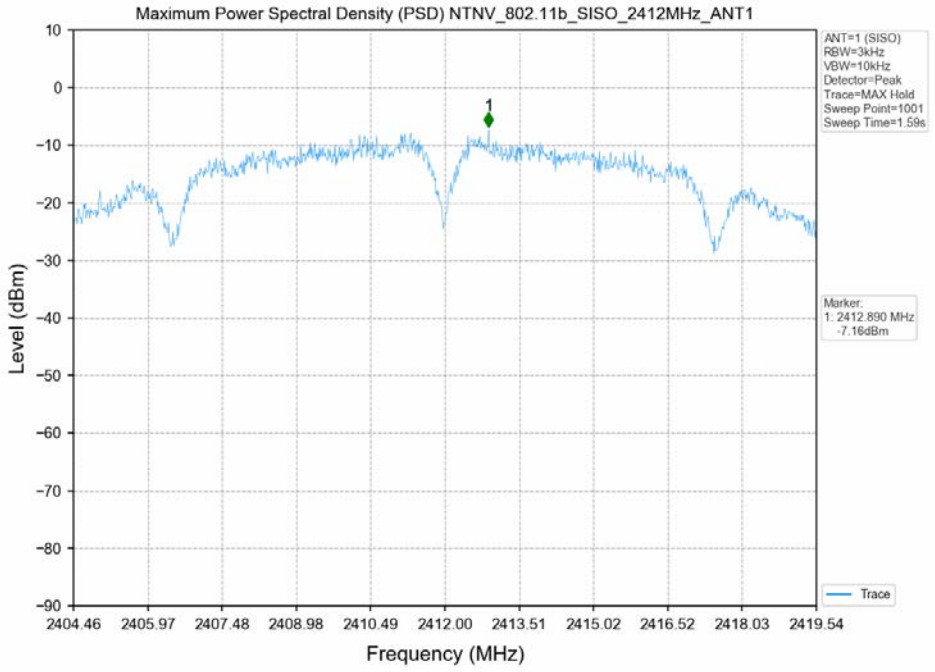


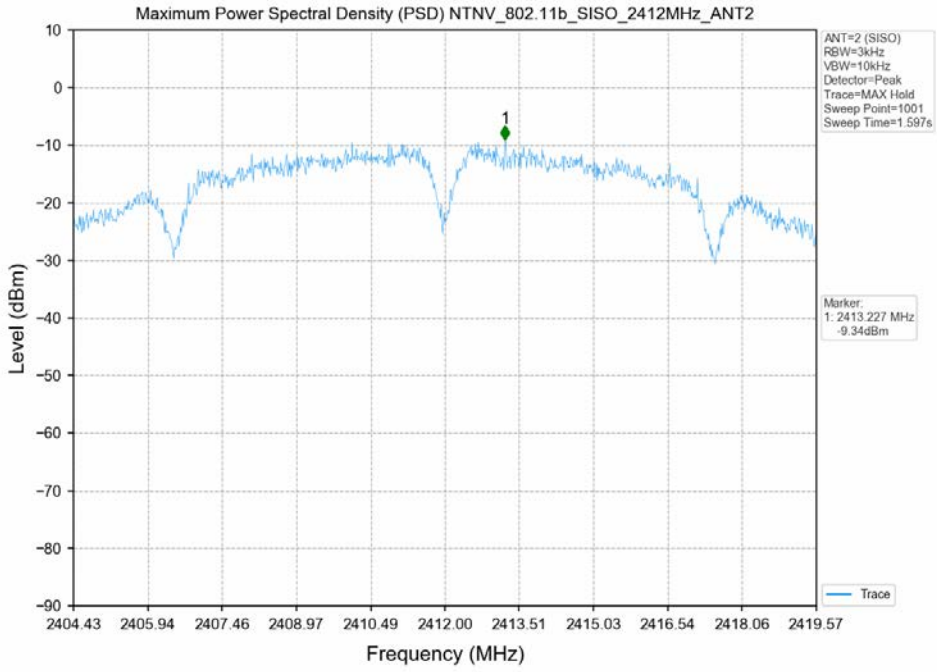
4. Maximum Power Spectral Density (PSD)

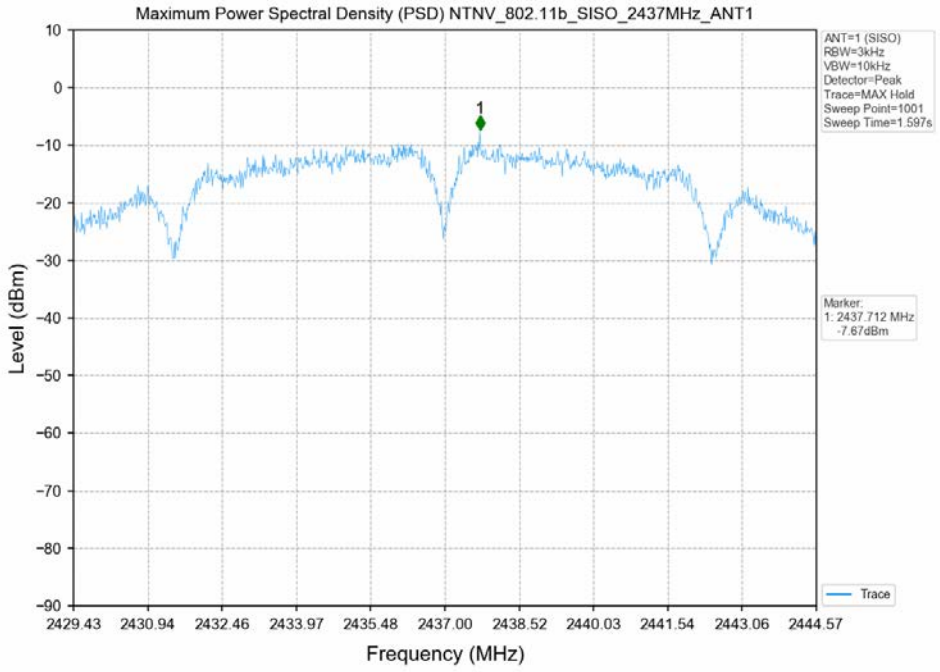
4.1 Test Result

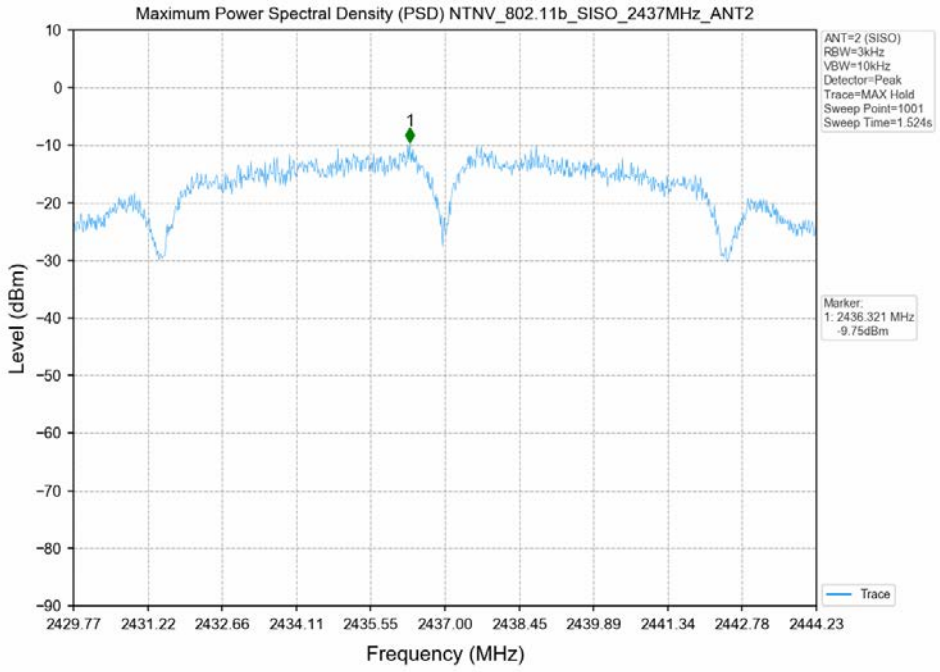
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)			Limits (dBm/3kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	-7.16	-9.34	/	≤8	PASS
	2437	SISO	-7.67	-9.75	/	≤8	PASS
	2462	SISO	-8.63	-10.12	/	≤8	PASS
802.11g	2412	SISO	-17.02	-18.53	/	≤8	PASS
	2437	SISO	-17.11	-18.75	/	≤8	PASS
	2462	SISO	-17.43	-16.99	/	≤8	PASS
802.11n(HT20)	2412	MIMO	-17.74	-16.01	-15.31	≤8	PASS
	2437	MIMO	-18.30	-16.31	-14.64	≤8	PASS
	2462	MIMO	-18.22	-17.73	-15.90	≤8	PASS
802.11n(HT40)	2422	MIMO	-21.59	-20.19	-18.50	≤8	PASS
	2437	MIMO	-20.97	-20.41	-18.76	≤8	PASS
	2452	MIMO	-20.81	-20.23	-18.74	≤8	PASS

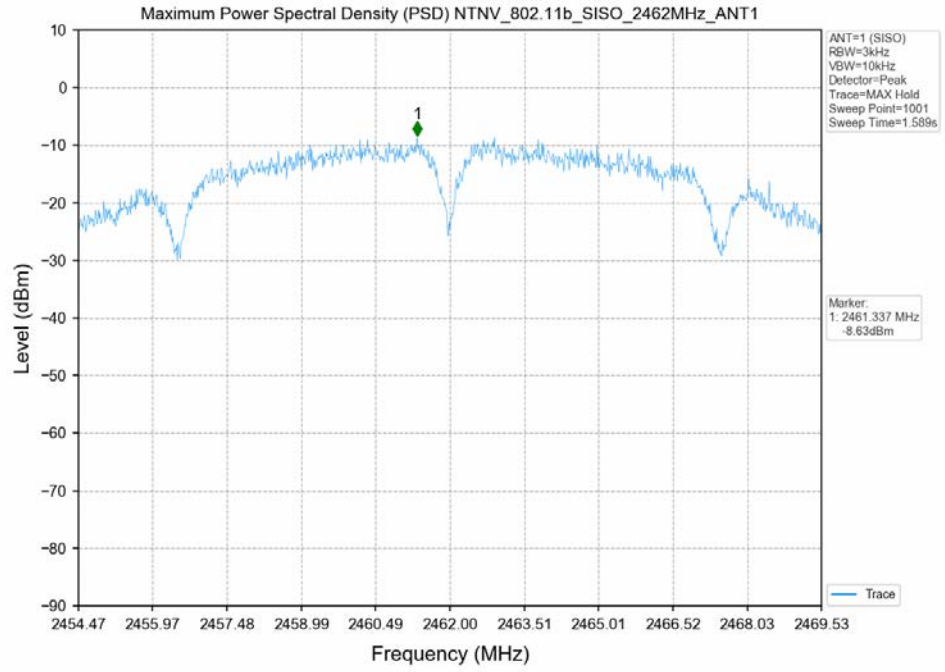
4.2 Test Graph

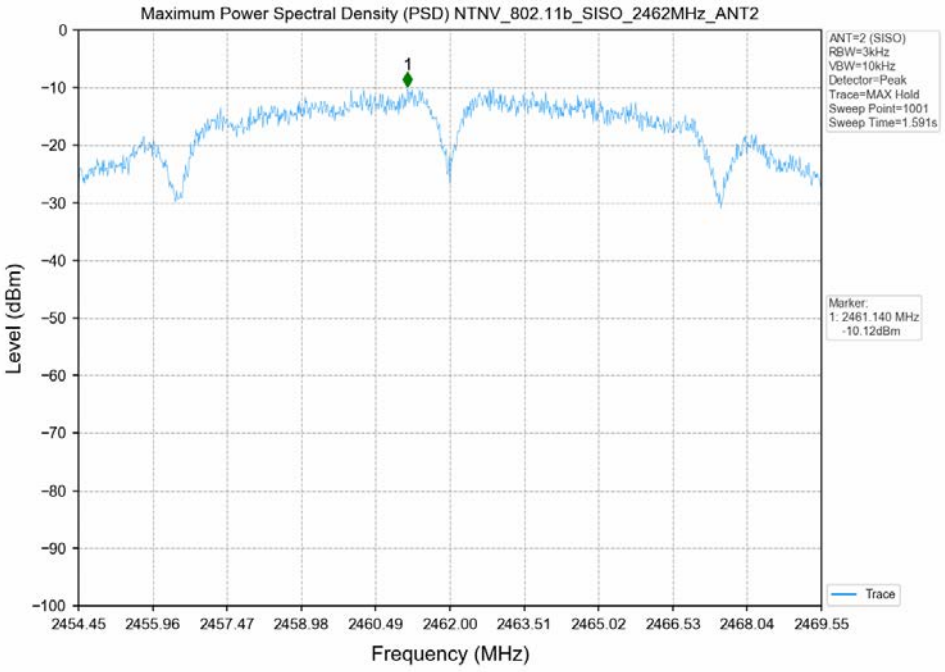

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.59s
Marker:
1: 2412.890 MHz
-7.16dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2404.46
2405.97
2407.48
2408.98
2410.49
2412.00
2413.51
2415.02
2416.52
2418.03
2419.54

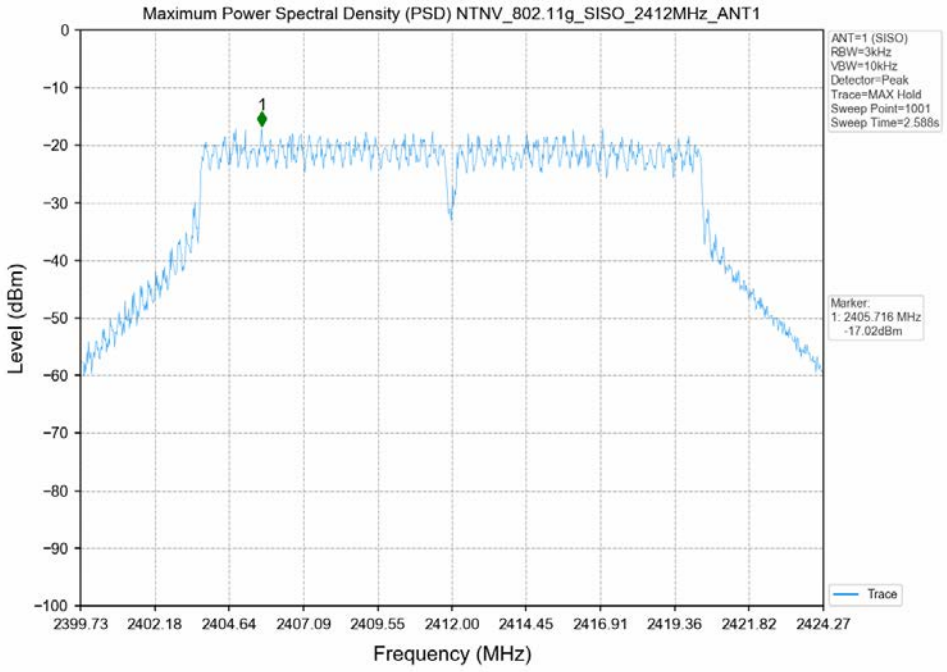

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.597s
Marker:
1: 2413.227 MHz
-9.34dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2404.43
2405.94
2407.46
2408.97
2410.49
2412.00
2413.51
2415.03
2416.54
2418.06
2419.57

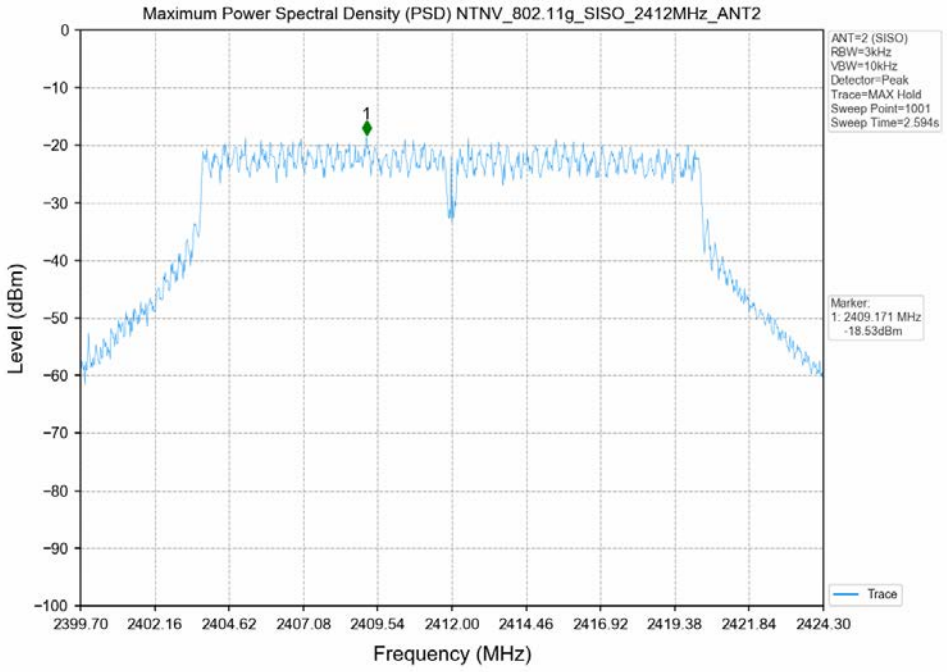

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.597s
Marker:
1: 2437.712 MHz
-7.67dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2429.43
2430.94
2432.46
2433.97
2435.48
2437.00
2438.52
2440.03
2441.54
2443.06
2444.57

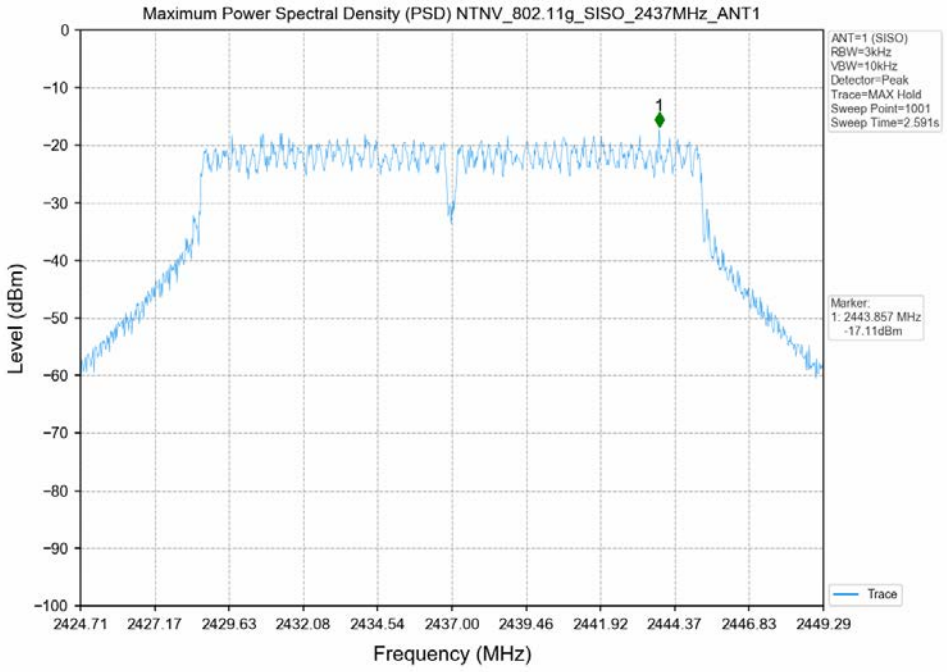

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.524s
Marker:
1: 2436.321 MHz
-9.75dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2429.77
2431.22
2432.66
2434.11
2435.55
2437.00
2438.45
2439.89
2441.34
2442.78
2444.23

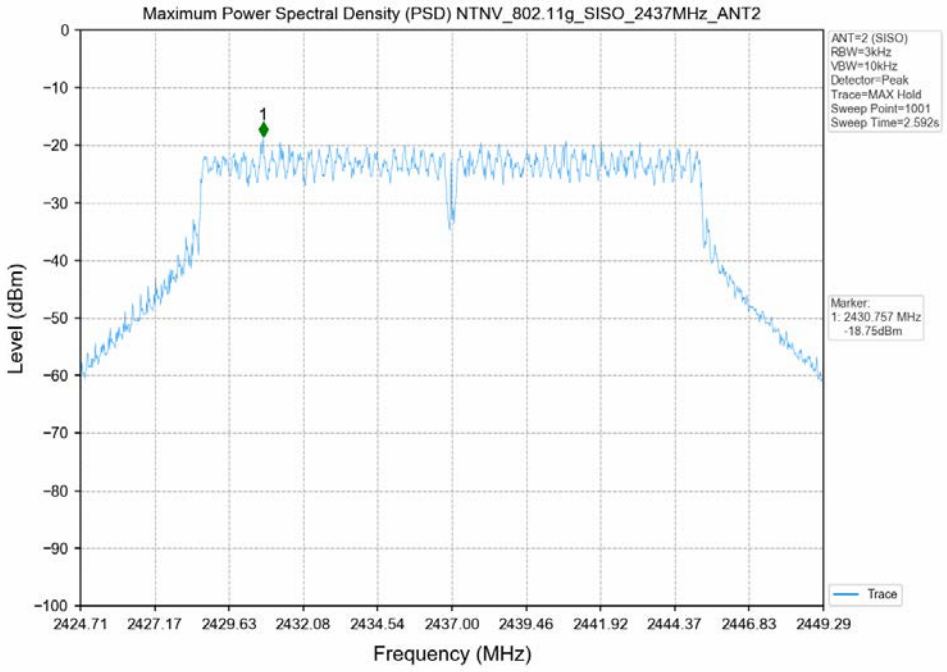

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.589s
Marker:
1: 2461.337 MHz
-8.63dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2454.47
2455.97
2457.48
2458.99
2460.49
2462.00
2463.51
2465.01
2466.52
2468.03
2469.53

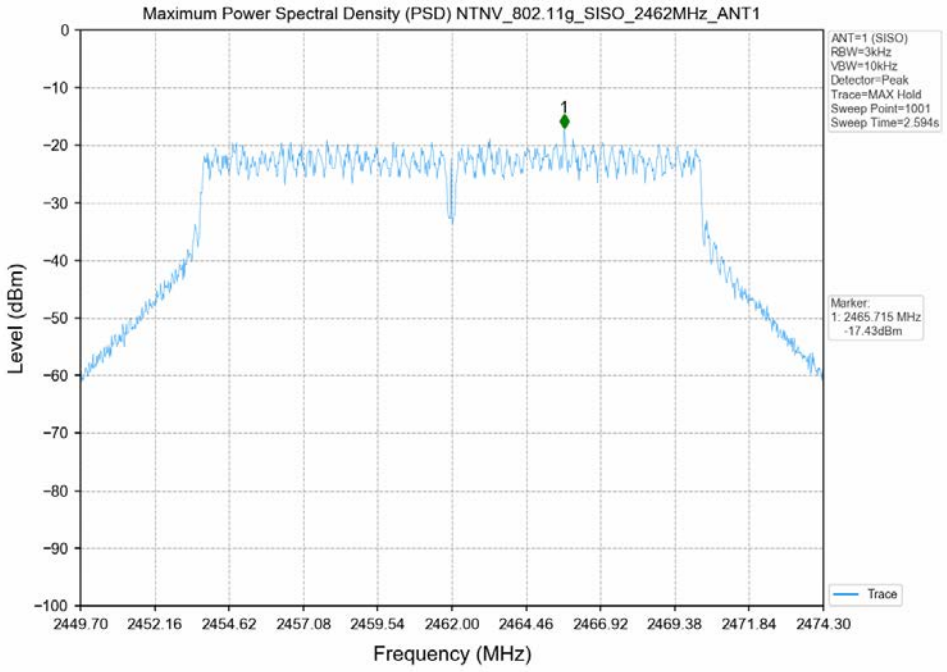

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.591s
Marker:
1: 2461.140 MHz
-10.12dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2454.45
2455.96
2457.47
2458.98
2460.49
2462.00
2463.51
2465.02
2466.53
2468.04
2469.55

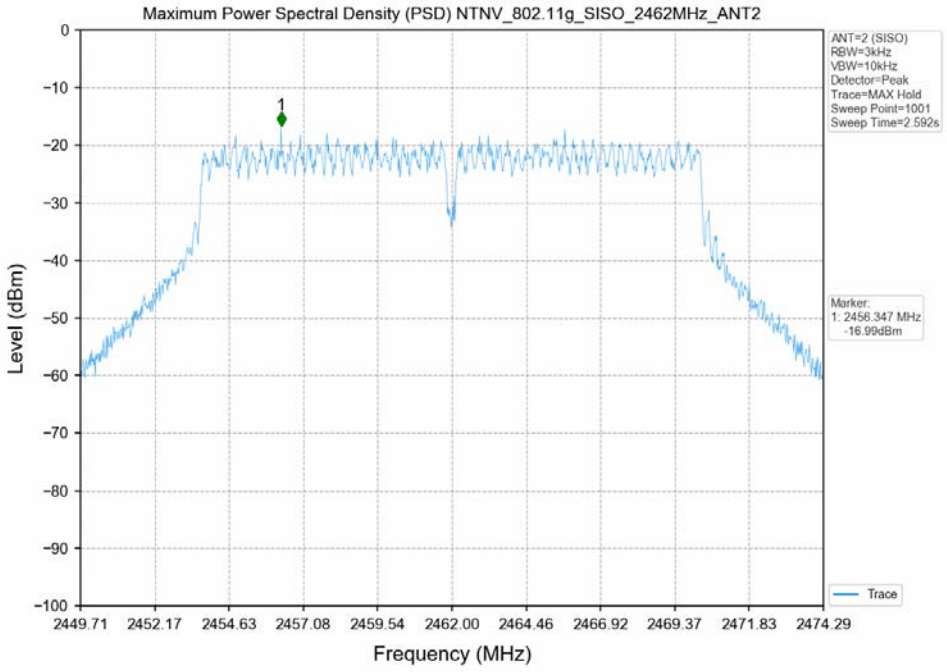

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.588s
Marker:
1: 2405.716 MHz
-17.02dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2399.73
2402.18
2404.64
2407.09
2409.55
2412.00
2414.45
2416.91
2419.36
2421.82
2424.27

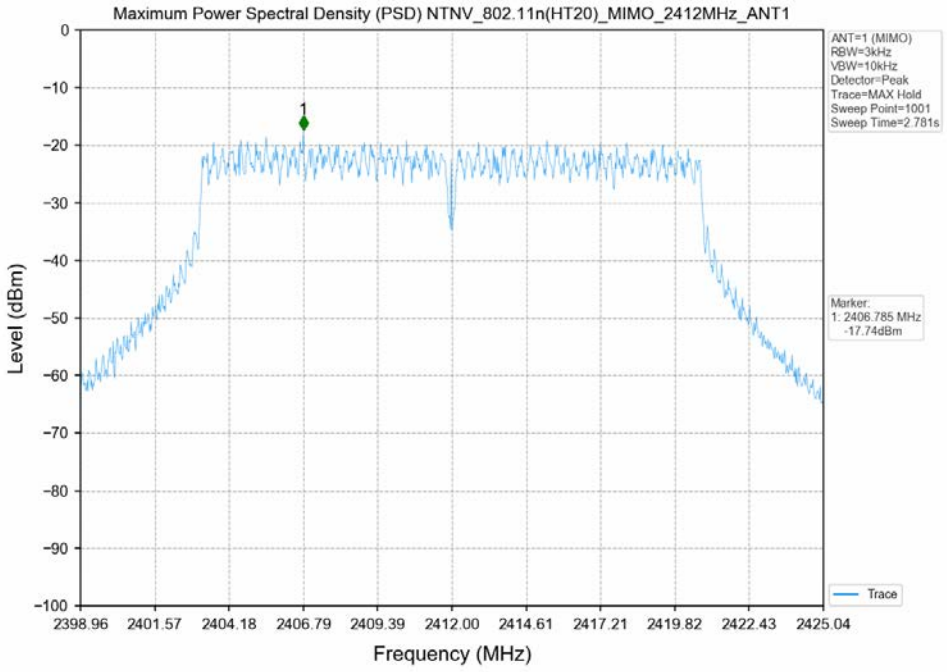

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.594s
Marker:
1: 2409.171 MHz
-18.53dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2399.70
2402.16
2404.62
2407.08
2409.54
2412.00
2414.46
2416.92
2419.38
2421.84
2424.30

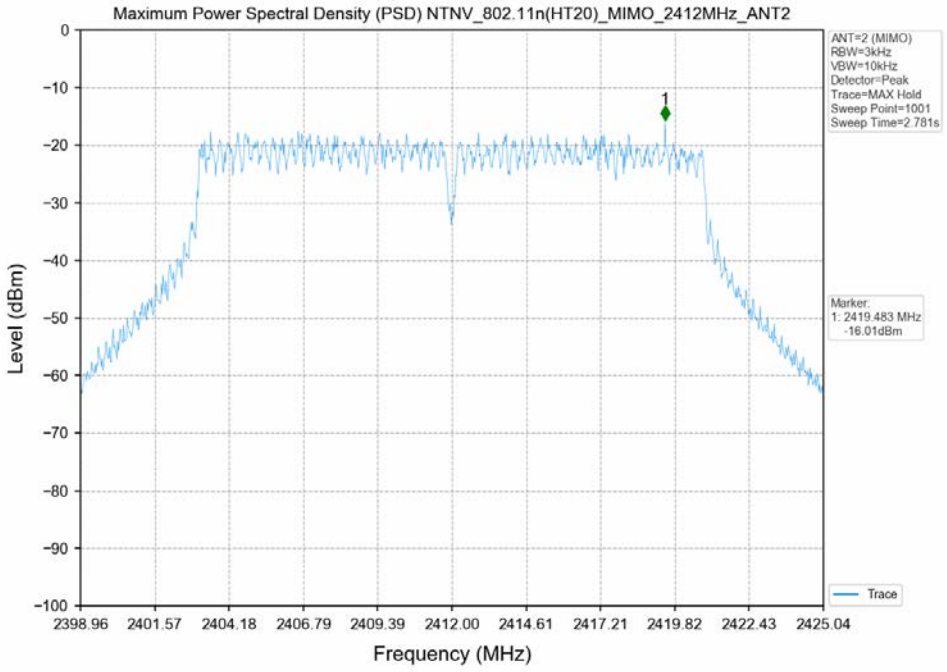

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.591s
Marker:
1: 2443.857 MHz
-17.11dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2424.71
2427.17
2429.63
2432.08
2434.54
2437.00
2439.46
2441.92
2444.37
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=2.592s
Marker:
1: 2430.757 MHz
-18.75dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2424.71
2427.17
2429.63
2432.08
2434.54
2437.00
2439.46
2441.92
2444.37
2446.83
2449.29

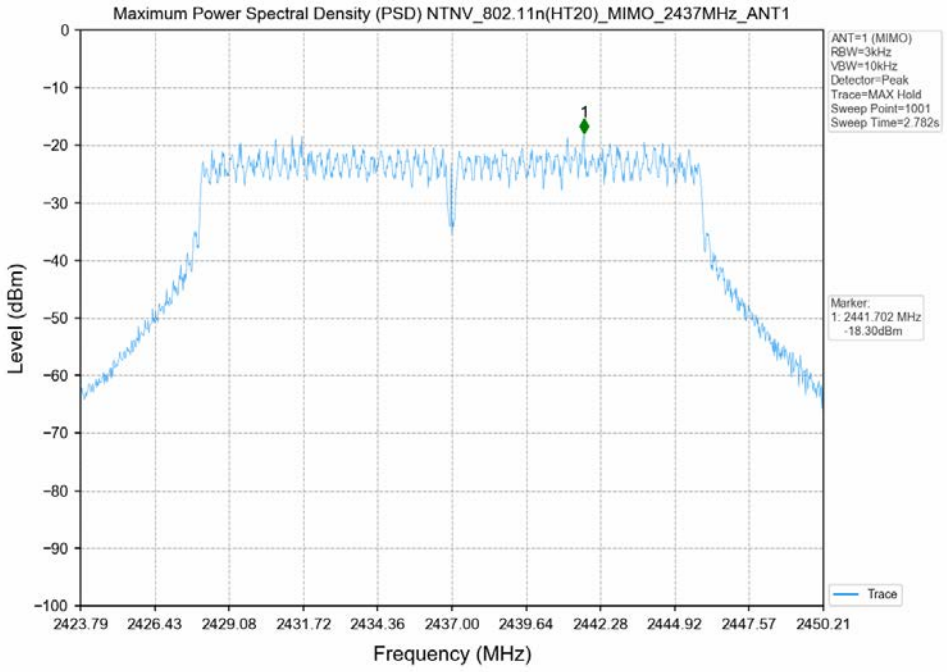

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.594s
Marker:
1: 2465.715 MHz
-17.43dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2449.70
2452.16
2454.62
2457.08
2459.54
2462.00
2464.46
2466.92
2469.38
2471.84
2474.30

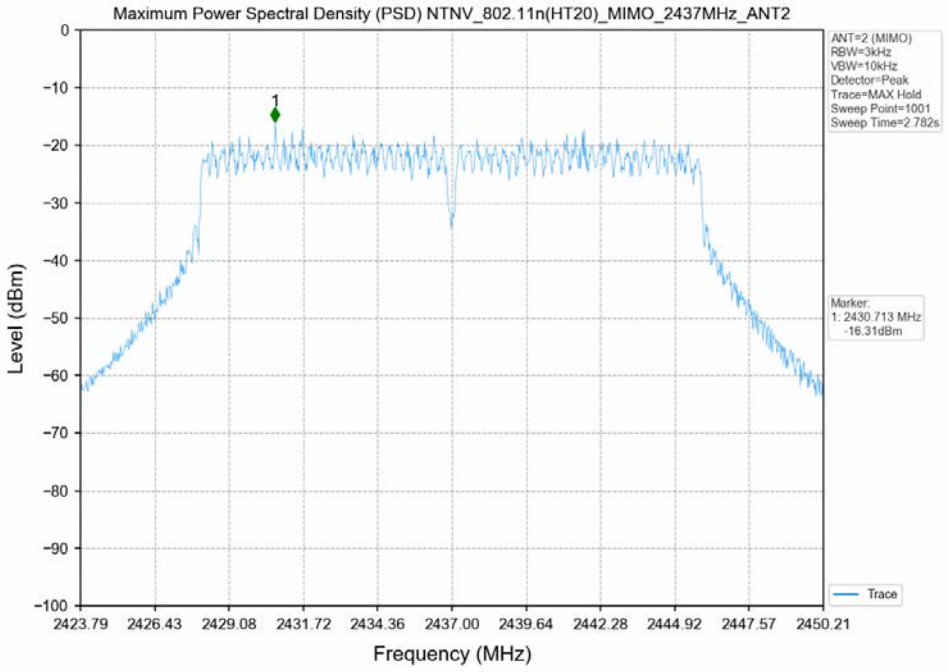

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.592s
Marker:
1: 2456.347 MHz
-16.99dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2449.71
2452.17
2454.63
2457.08
2459.54
2462.00
2464.46
2466.92
2469.37
2471.83
2474.29


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2406.785 MHz
-17.74dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.79
2409.39
2412.00
2414.61
2417.21
2419.82
2422.43
2425.04

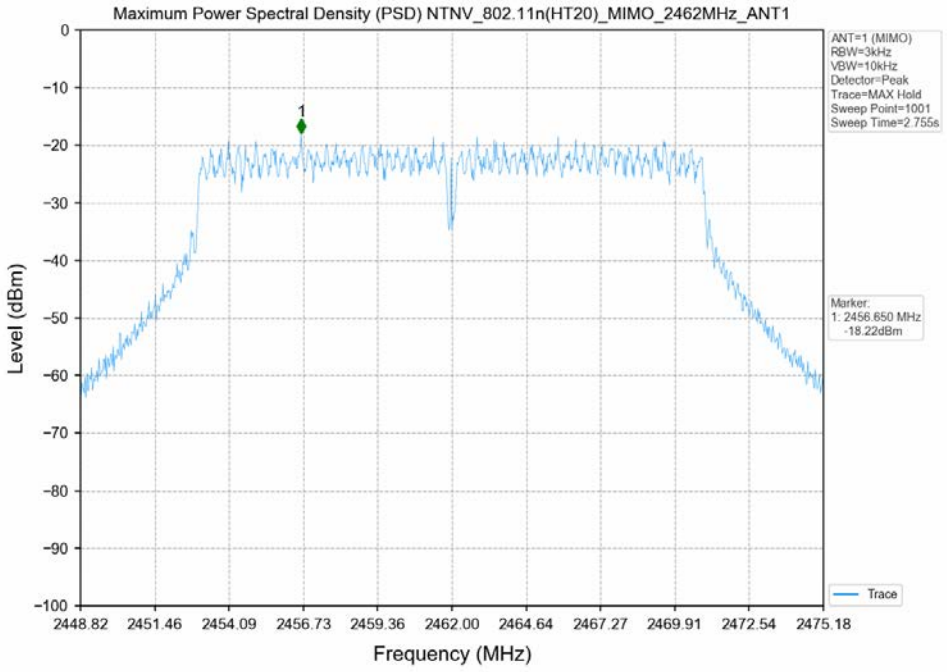

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2419.483 MHz
-16.01dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.79
2409.39
2412.00
2414.61
2417.21
2419.82
2422.43
2425.04

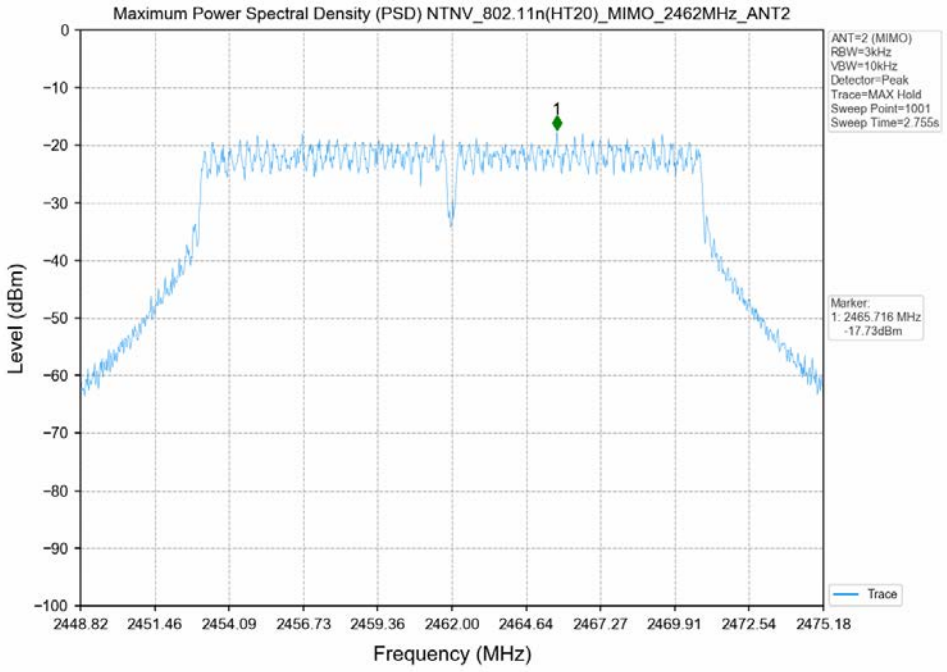
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2412MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.781s
Marker:
1: 2419.483 MHz
-15.31dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2398.96
2401.57
2404.18
2406.79
2409.39
2412.00
2414.61
2417.21
2419.82
2422.43
2425.04

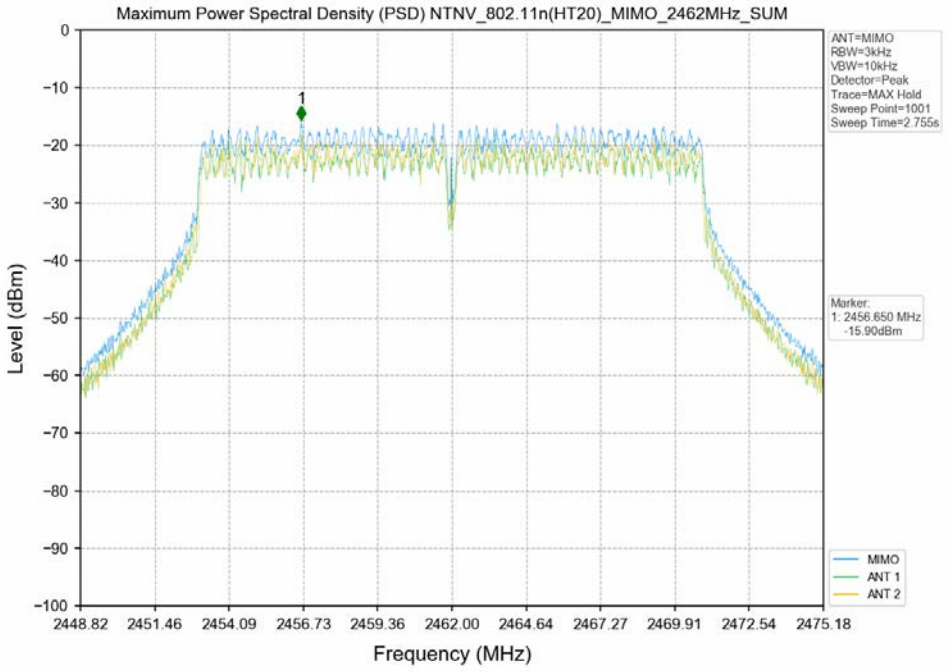

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.782s
Marker:
1: 2441.702 MHz
-18.30dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.79
2426.43
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.57
2450.21

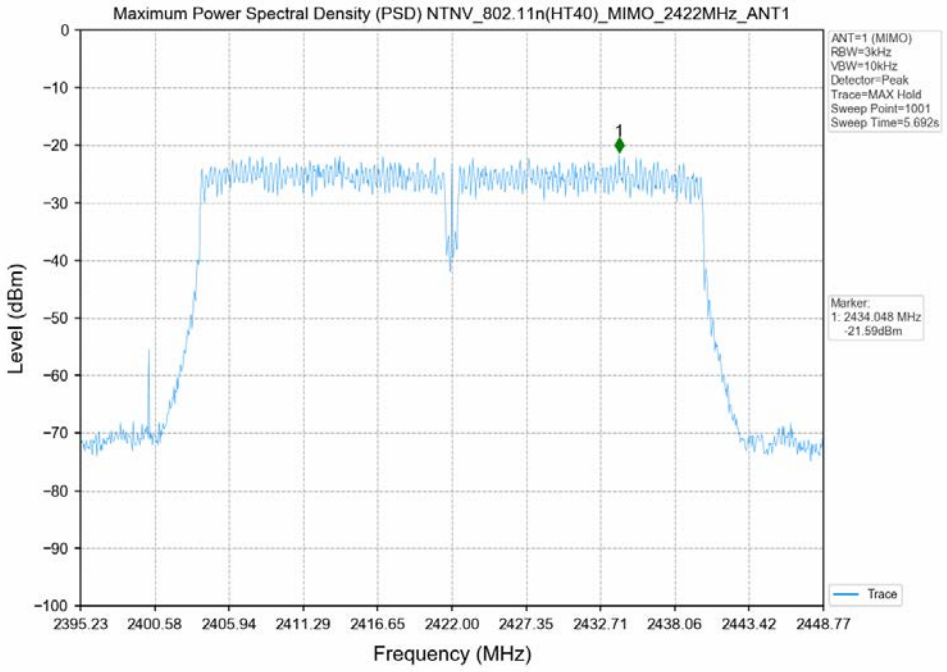

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.782s
Marker:
1: 2430.713 MHz
-16.31dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.79
2426.43
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.57
2450.21

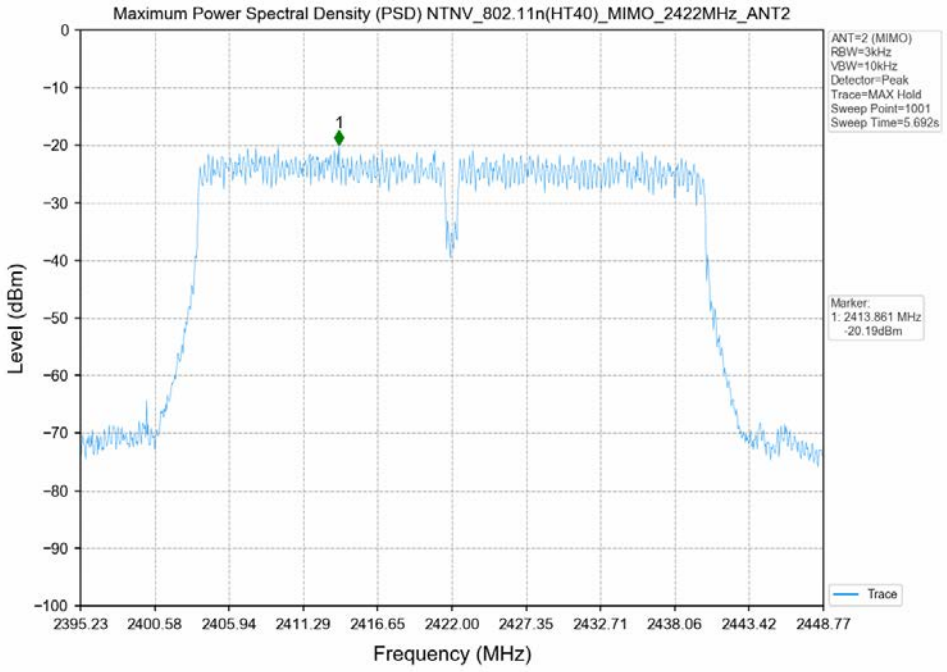
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2437MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.782s
Marker:
1: 2430.713 MHz
-14.64dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2423.79
2426.43
2429.08
2431.72
2434.36
2437.00
2439.64
2442.28
2444.92
2447.57
2450.21

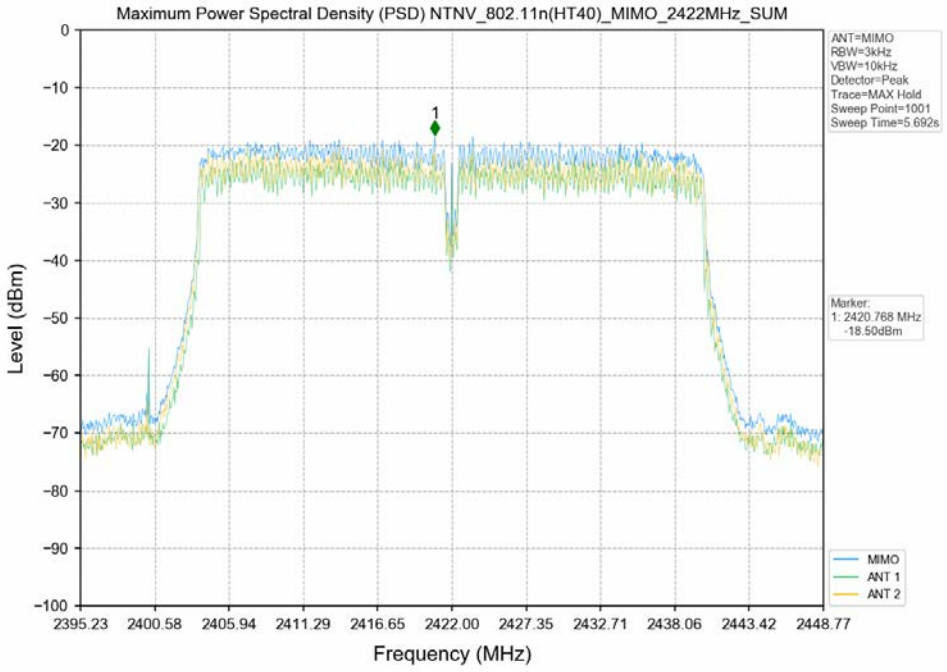

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.755s
Marker:
1: 2456.650 MHz
-18.22dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.82
2451.46
2454.09
2456.73
2459.36
2462.00
2464.64
2467.27
2469.91
2472.54
2475.18

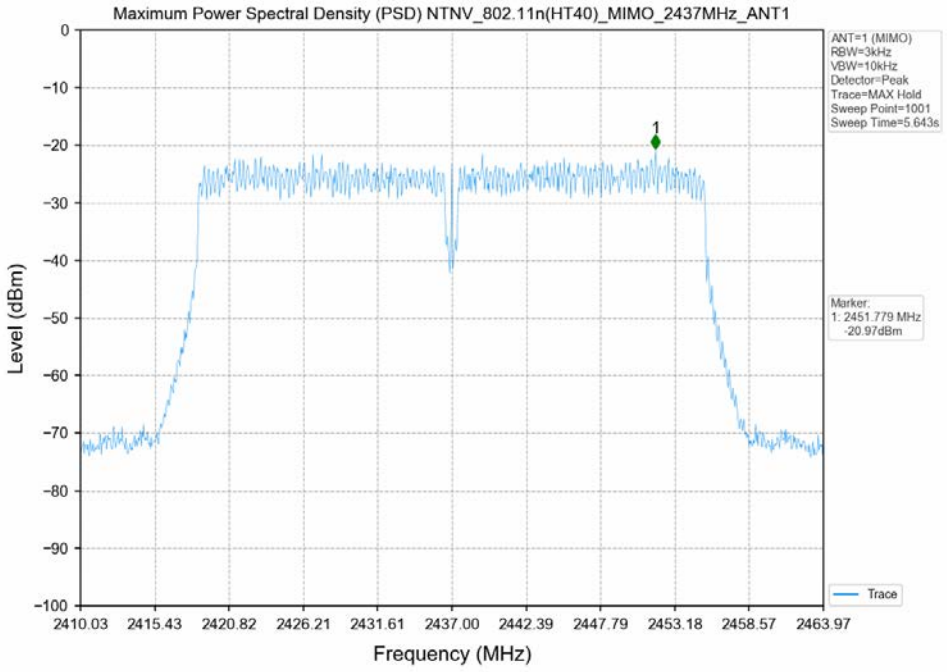

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.755s
Marker:
1: 2465.716 MHz
-17.73dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.82
2451.46
2454.09
2456.73
2459.36
2462.00
2464.64
2467.27
2469.91
2472.54
2475.18

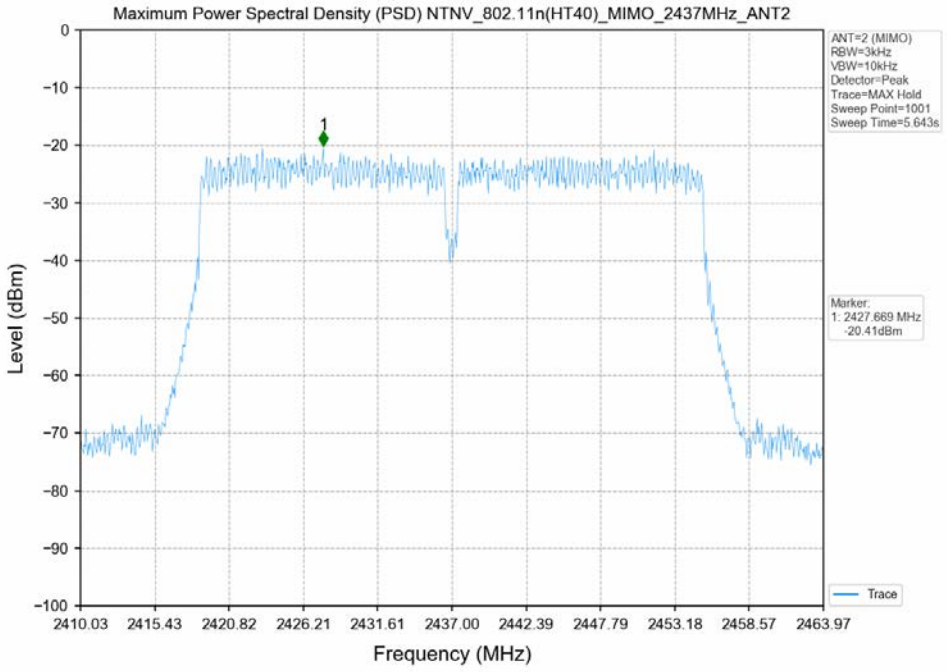

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_MIMO_2462MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.755s
Marker:
1: 2456.650 MHz
-15.90dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2448.82
2451.46
2454.09
2456.73
2459.36
2462.00
2464.64
2467.27
2469.91
2472.54
2475.18

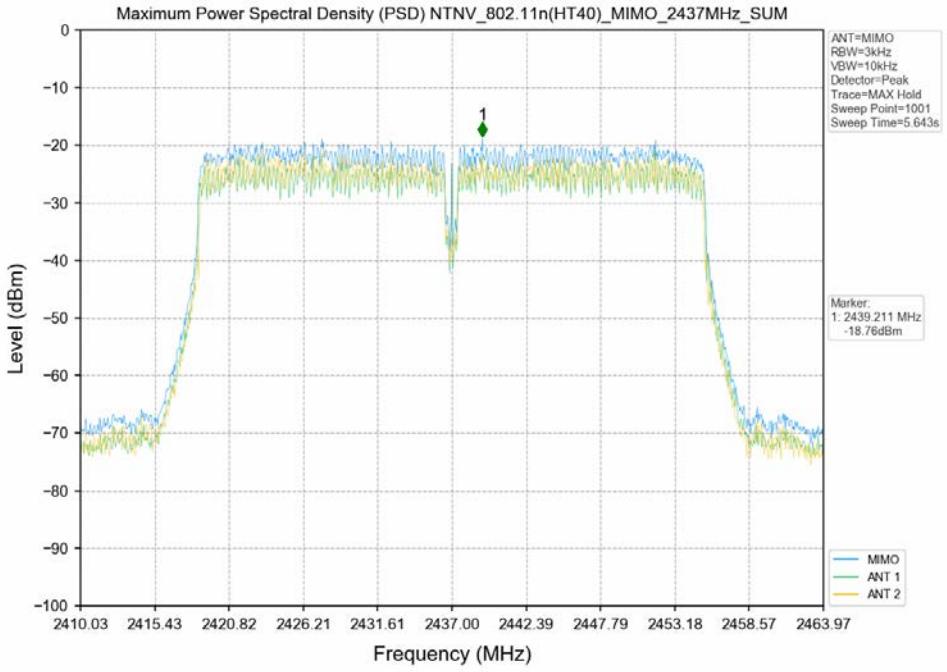

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.692s
Marker:
1: 2434.048 MHz
-21.59dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.23
2400.58
2405.94
2411.29
2416.65
2422.00
2427.35
2432.71
2438.06
2443.42
2448.77

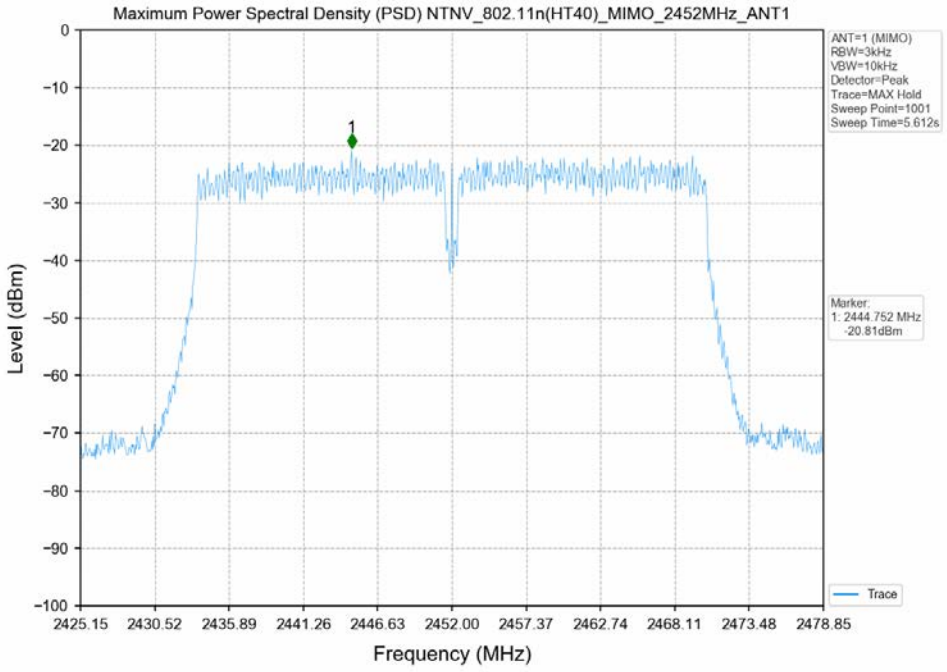

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.692s
Marker:
1: 2413.861 MHz
-20.19dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.23
2400.58
2405.94
2411.29
2416.65
2422.00
2427.35
2432.71
2438.06
2443.42
2448.77

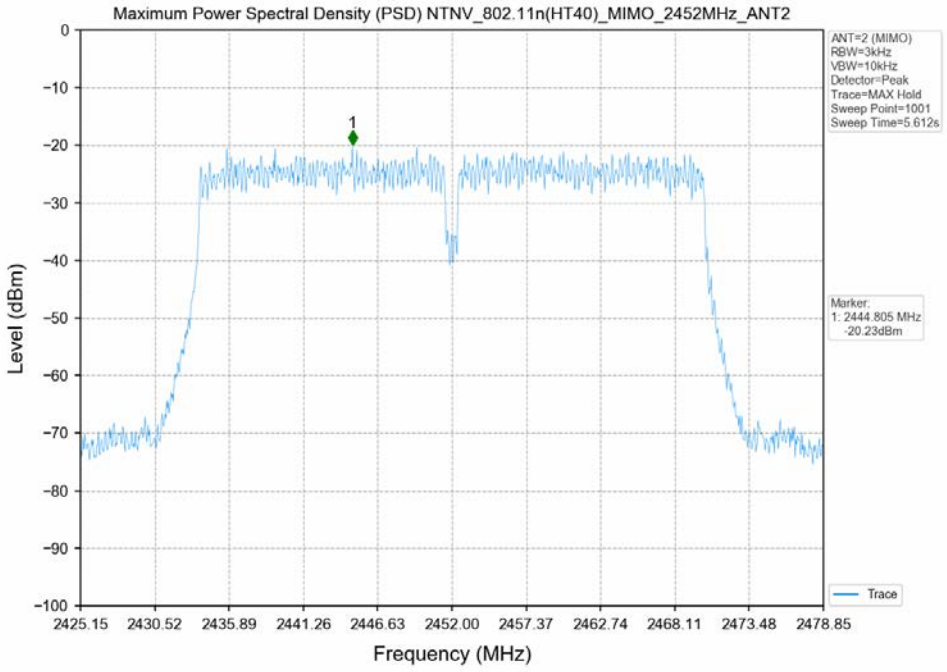

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2422MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.692s
Marker:
1: 2420.768 MHz
-18.50dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2395.23
2400.58
2405.94
2411.29
2416.65
2422.00
2427.35
2432.71
2438.06
2443.42
2448.77


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=5.643s
Marker:
1: 2451.779 MHz
-20.97dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.03
2415.43
2420.82
2426.21
2431.61
2437.00
2442.39
2447.79
2453.18
2458.57
2463.97


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=5.643s
Marker:
1: 2427.669 MHz
-20.41dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.03
2415.43
2420.82
2426.21
2431.61
2437.00
2442.39
2447.79
2453.18
2458.57
2463.97


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=5.643s
Marker:
1: 2439.211 MHz
-18.76dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2410.03
2415.43
2420.82
2426.21
2431.61
2437.00
2442.39
2447.79
2453.18
2458.57
2463.97


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=5.612s
Marker:
1: 2444.752 MHz
-20.81dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.15
2430.52
2435.89
2441.26
2446.63
2452.00
2457.37
2462.74
2468.11
2473.48
2478.85


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=5.612s
Marker:
1: 2444.805 MHz
-20.23dBm
Trace
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.15
2430.52
2435.89
2441.26
2446.63
2452.00
2457.37
2462.74
2468.11
2473.48
2478.85

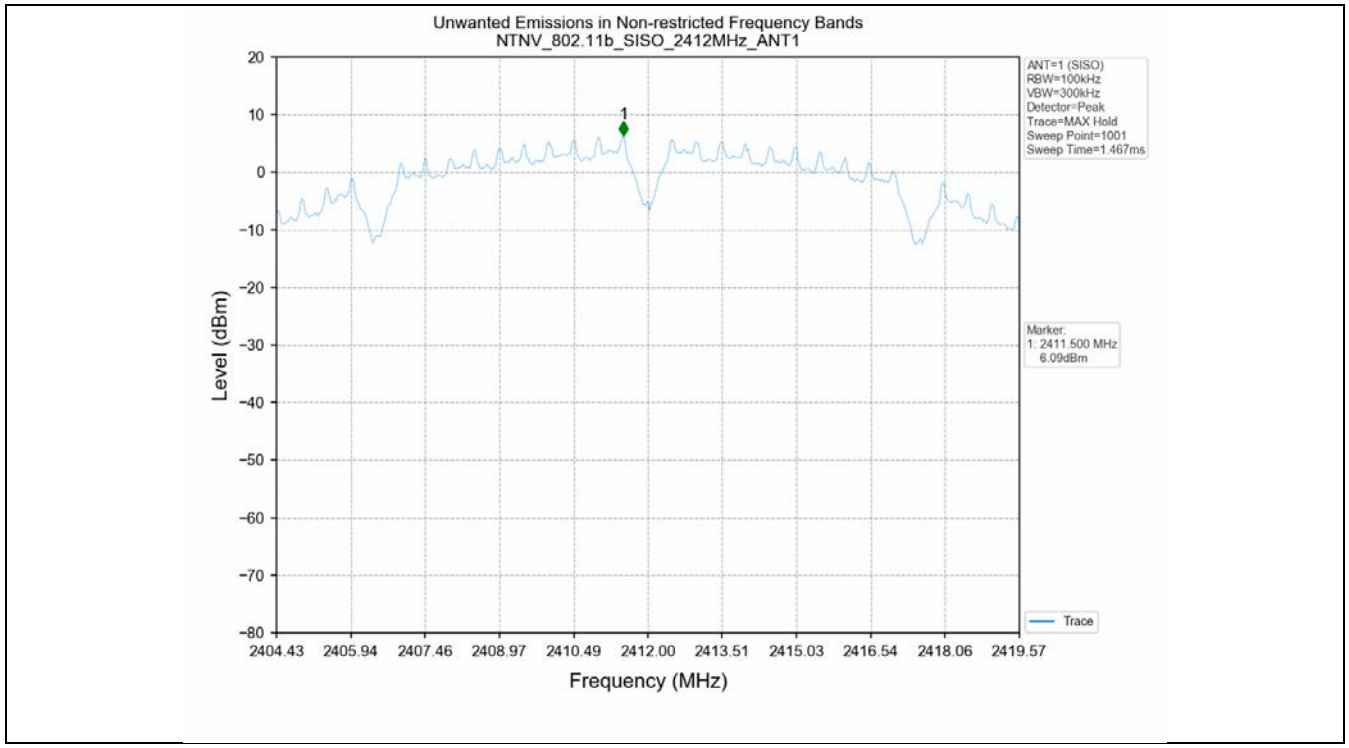
Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_MIMO_2452MHz_SUM
ANT=MIMO
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.612s
Marker:
1: 2453.826 MHz
-18.74dBm
MIMO
ANT 1
ANT 2
Level (dBm)
Frequency (MHz)
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
-100
2425.15
2430.52
2435.89
2441.26
2446.63
2452.00
2457.37
2462.74
2468.11
2473.48
2478.85

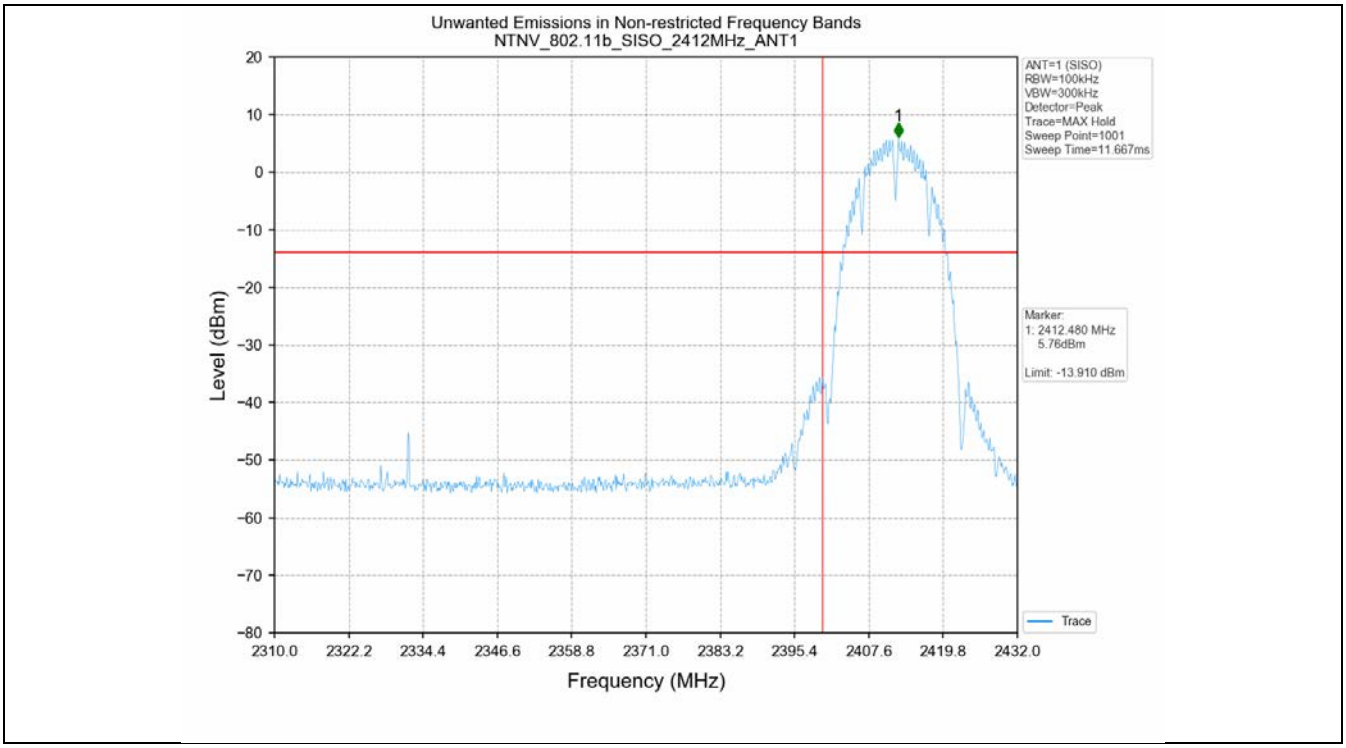
5. Unwanted Emissions in Non-restricted Frequency Bands

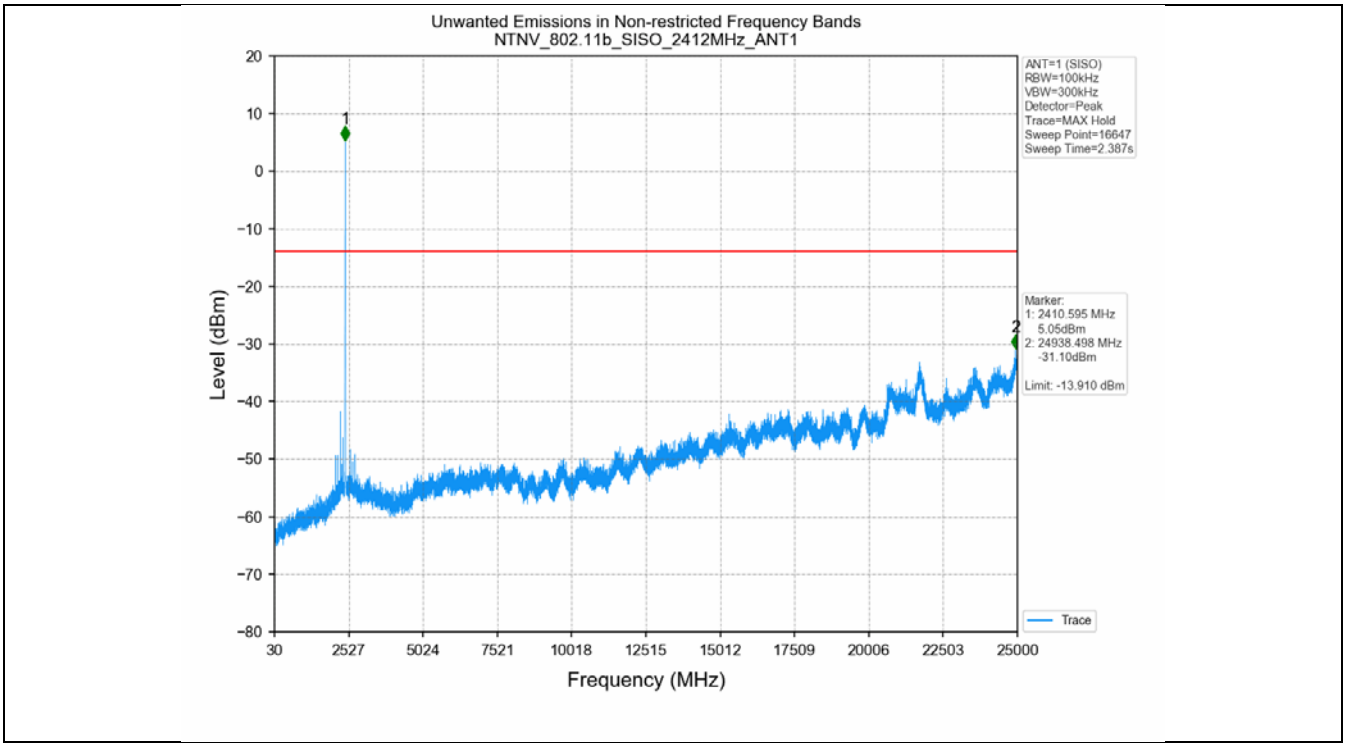
5.1 Test Result

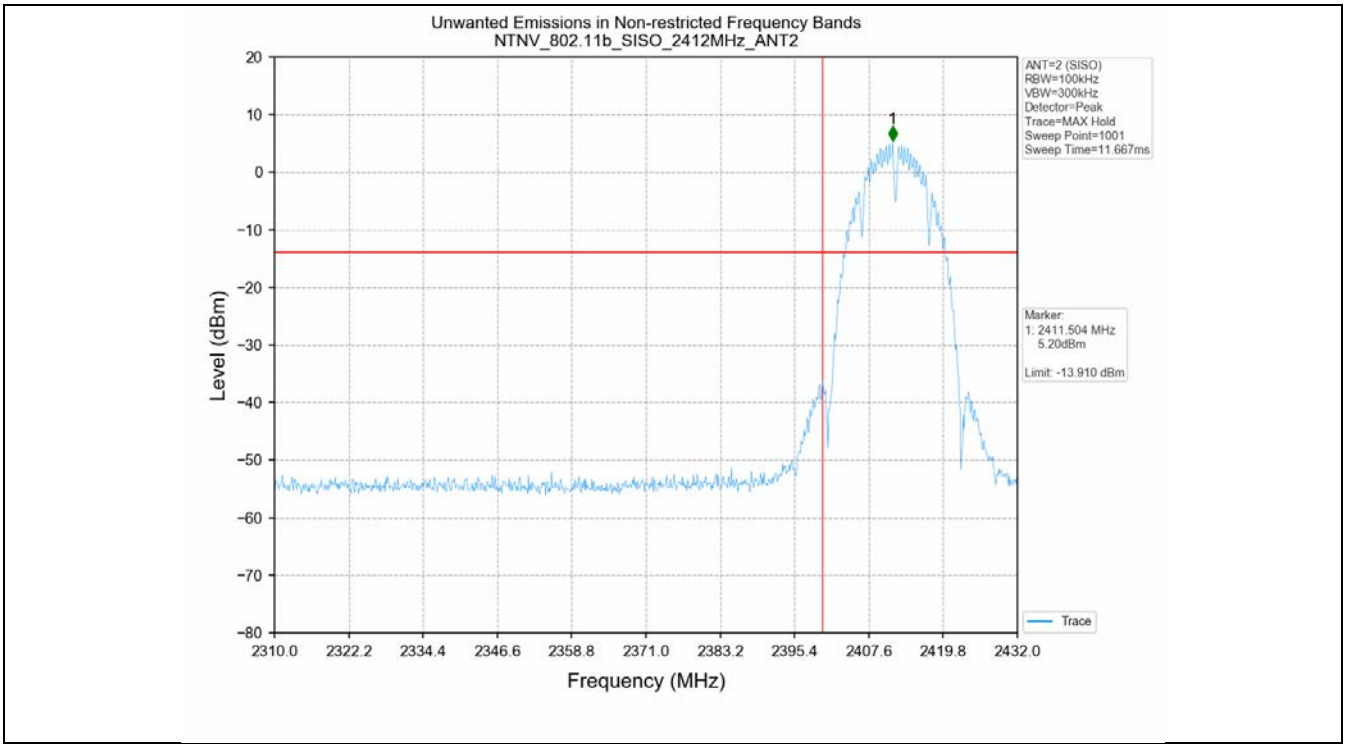
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.91	PASS
			2	Refer to test graph	-13.91	PASS
	2437	SISO	1	Refer to test graph	-13.91	PASS
			2	Refer to test graph	-13.91	PASS
	2462	SISO	1	Refer to test graph	-13.91	PASS
			2	Refer to test graph	-13.91	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	-22.47	PASS
	2437	MIMO	2	Refer to test graph	-22.47	PASS
	2462	MIMO	1	Refer to test graph	-22.47	PASS
802.11n(HT40)	2422	MIMO	2	Refer to test graph	-25.17	PASS
	2437	MIMO	1	Refer to test graph	-25.17	PASS
	2452	MIMO	2	Refer to test graph	-25.17	PASS

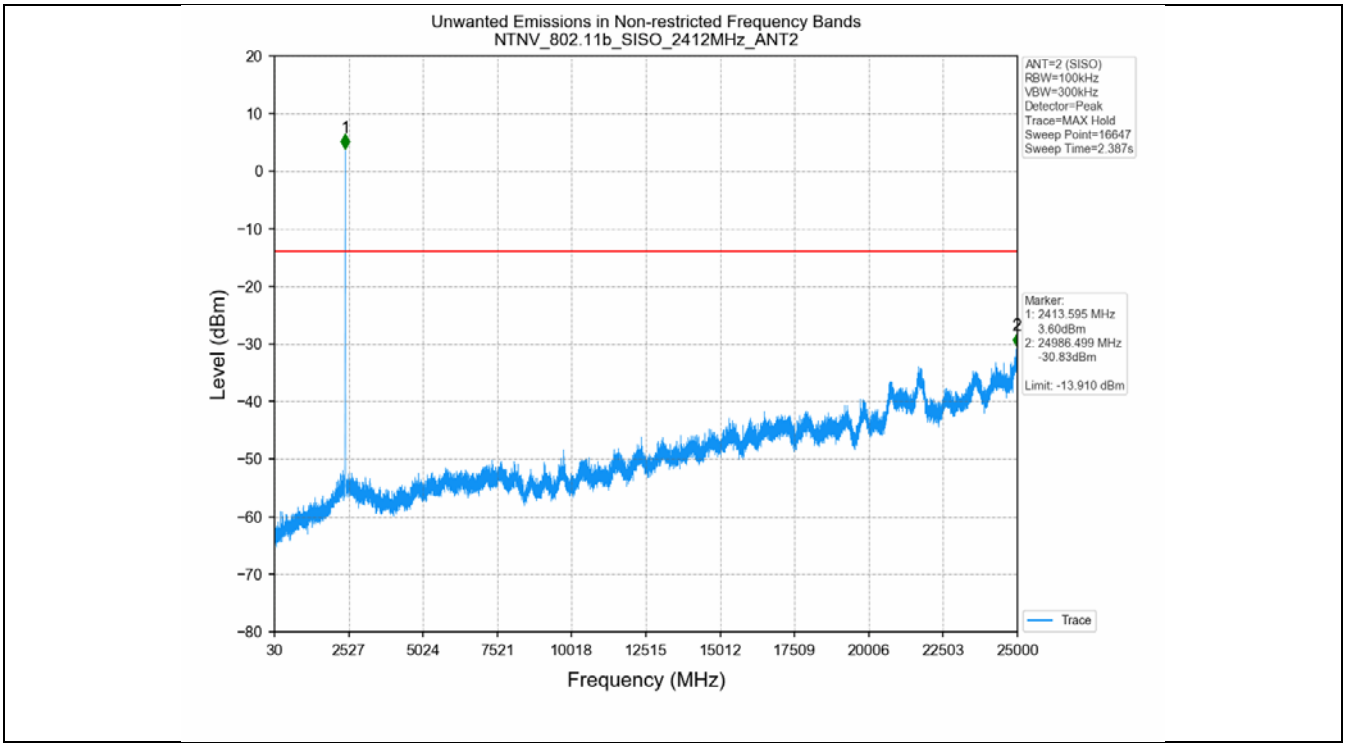
5.2 Test Graph

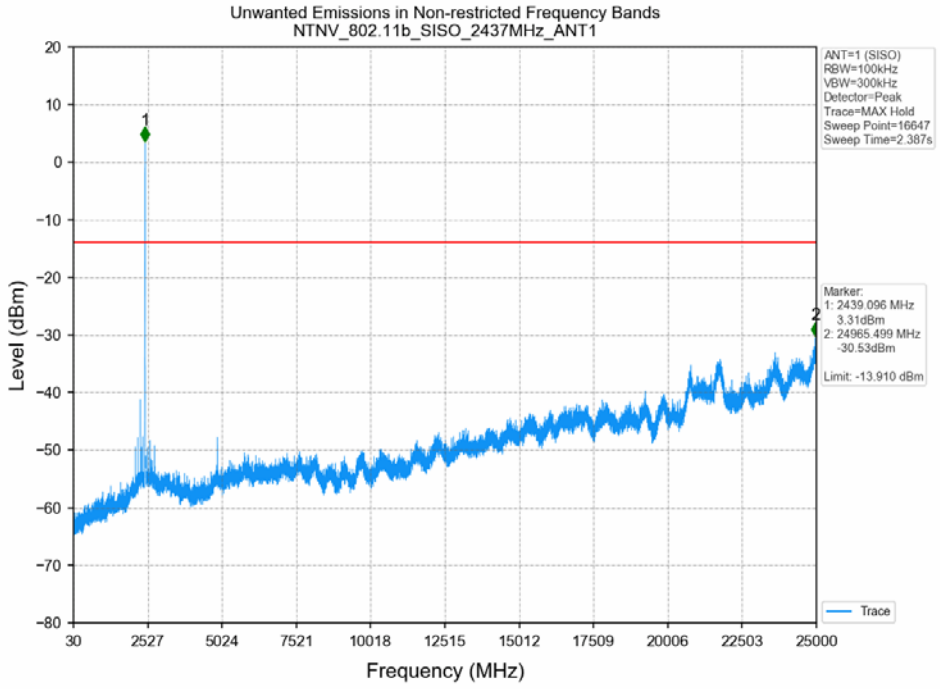


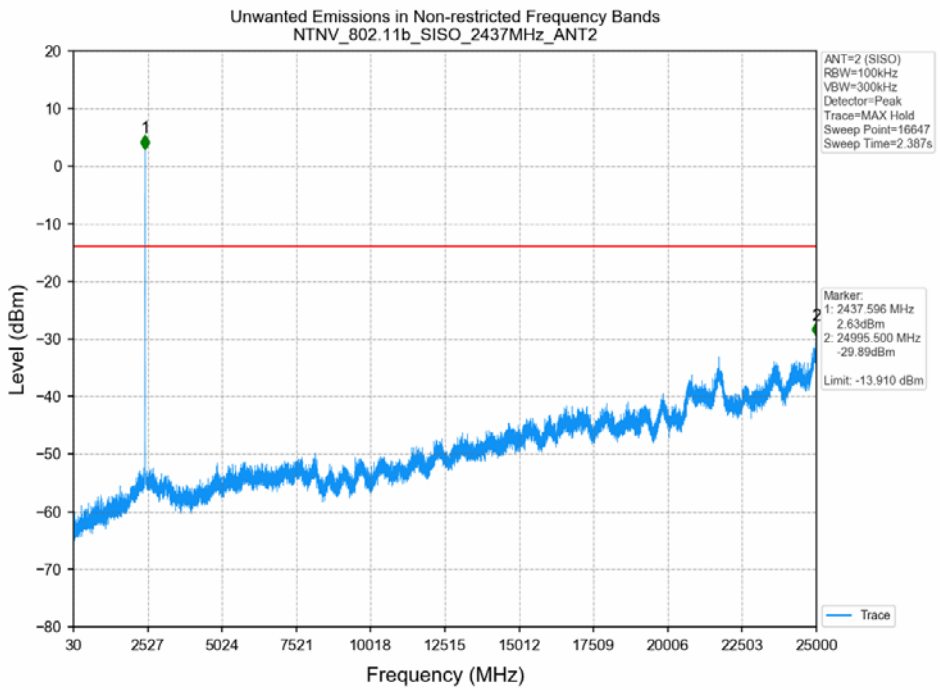

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2412.480 MHz
5.76dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

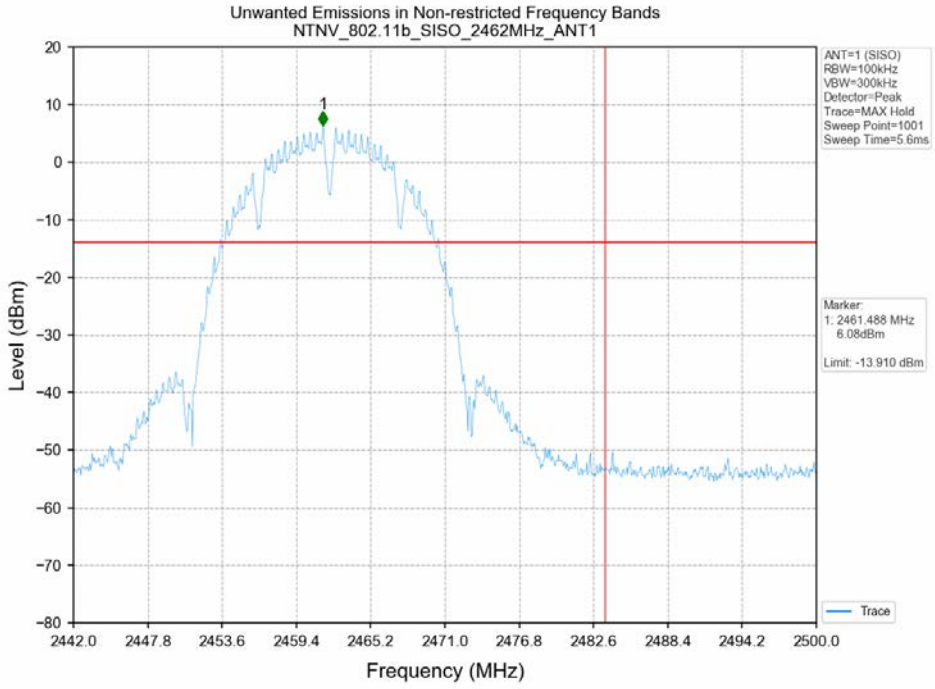

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2410.595 MHz
5.05dBm
2: 24938.498 MHz
-31.10dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

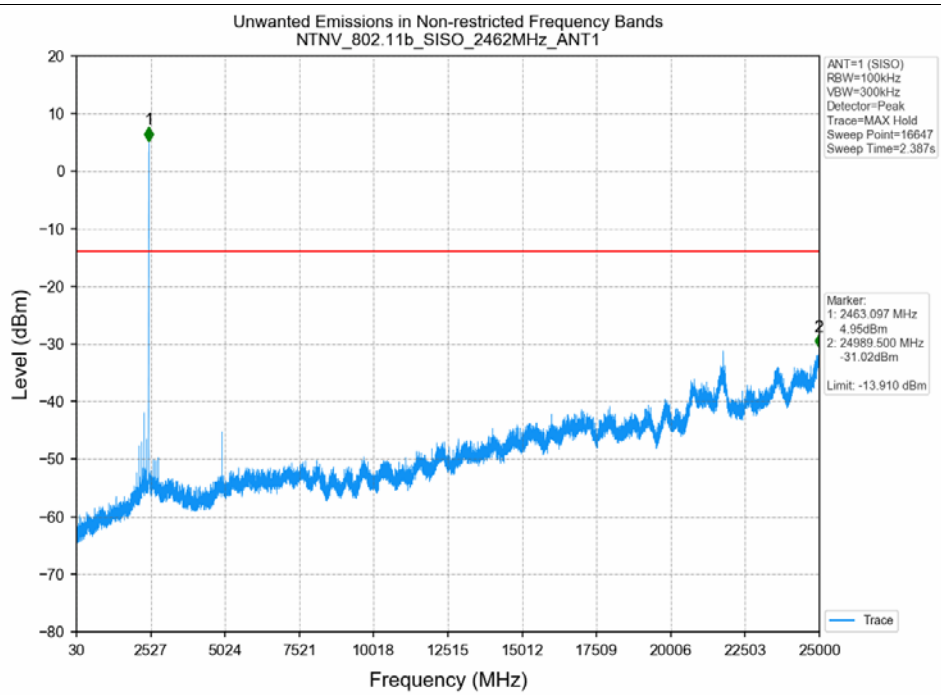

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2411.504 MHz
5.20dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

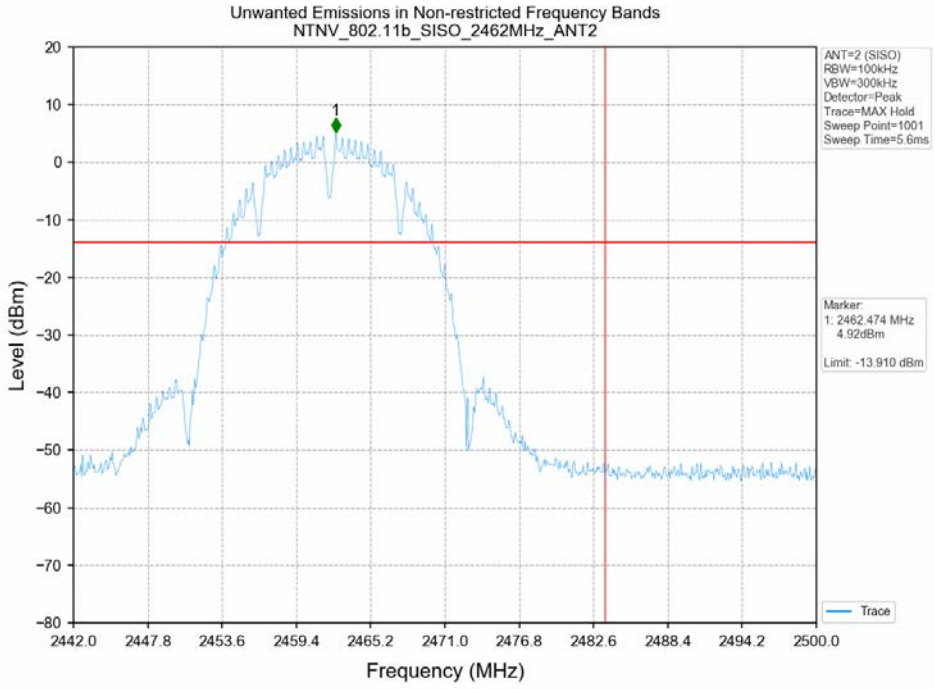

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2413.595 MHz
3.60dBm
2: 24986.499 MHz
-30.83dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

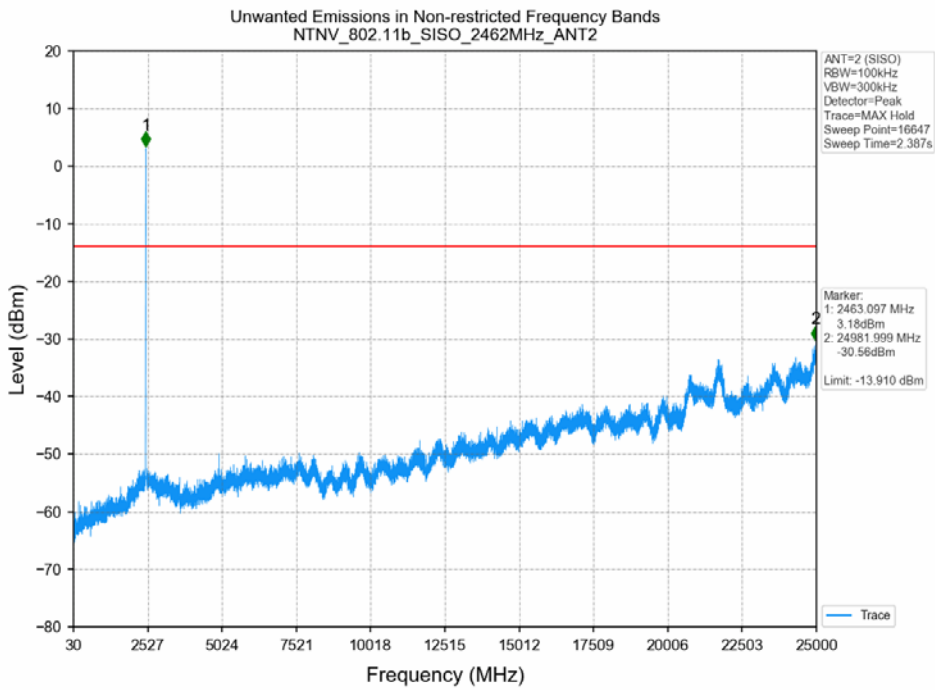

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2439.096 MHz
3.31dBm
2: 24965.499 MHz
-30.53dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

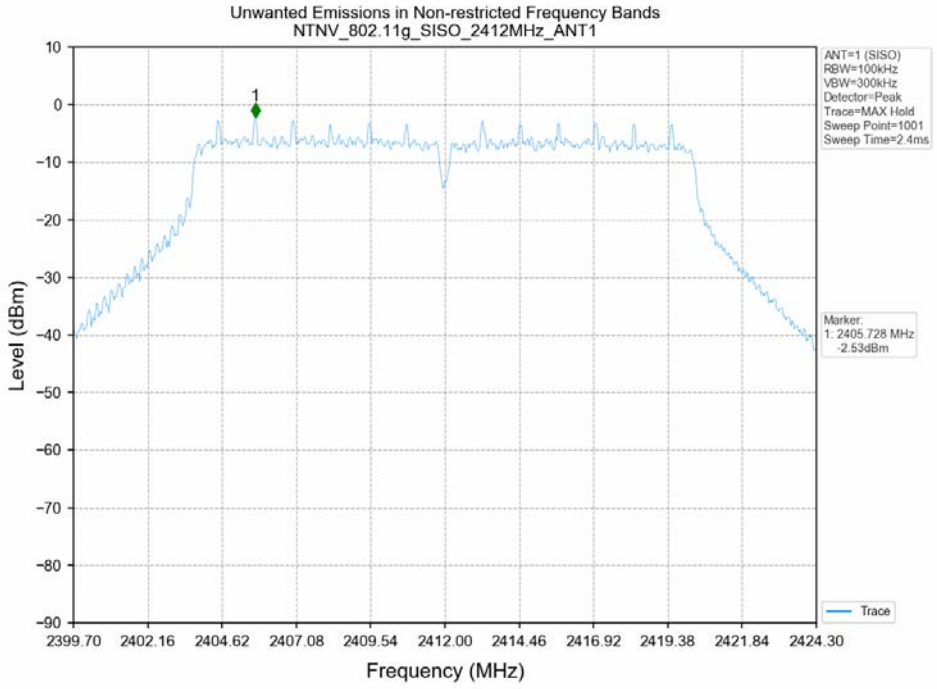

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2437.596 MHz
2.63dBm
2: 24995.500 MHz
-29.89dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

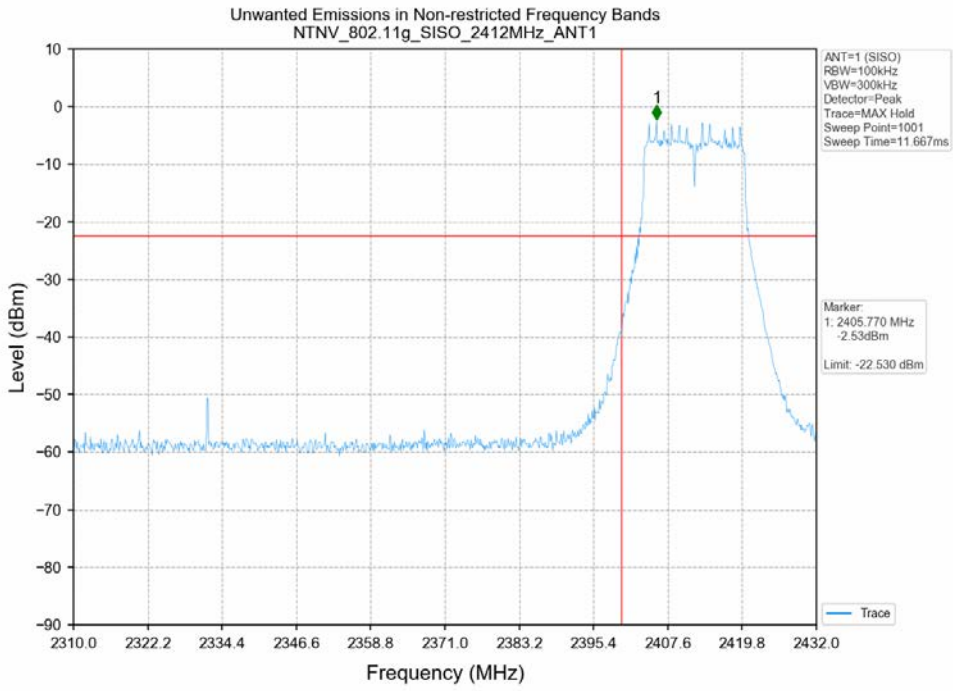

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2461.488 MHz
6.08dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

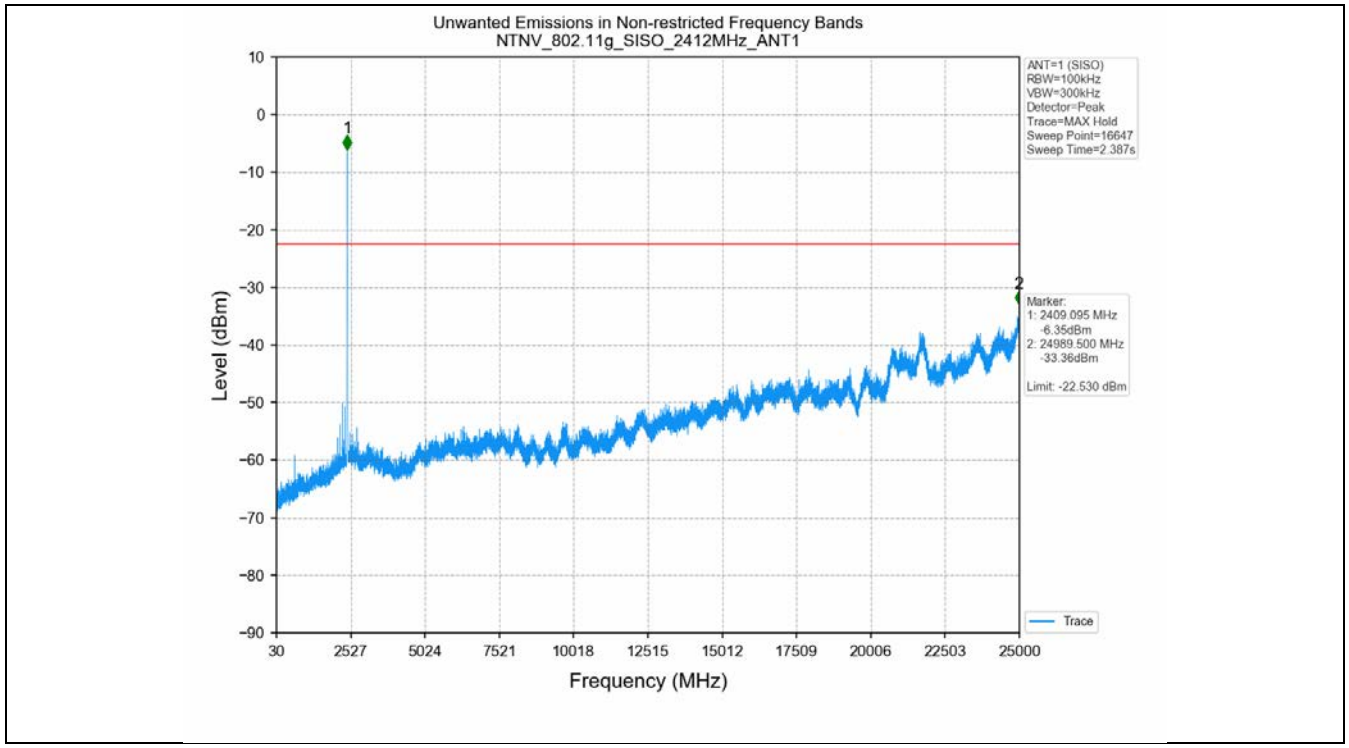

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
4.95dBm
2: 24989.500 MHz
-31.02dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

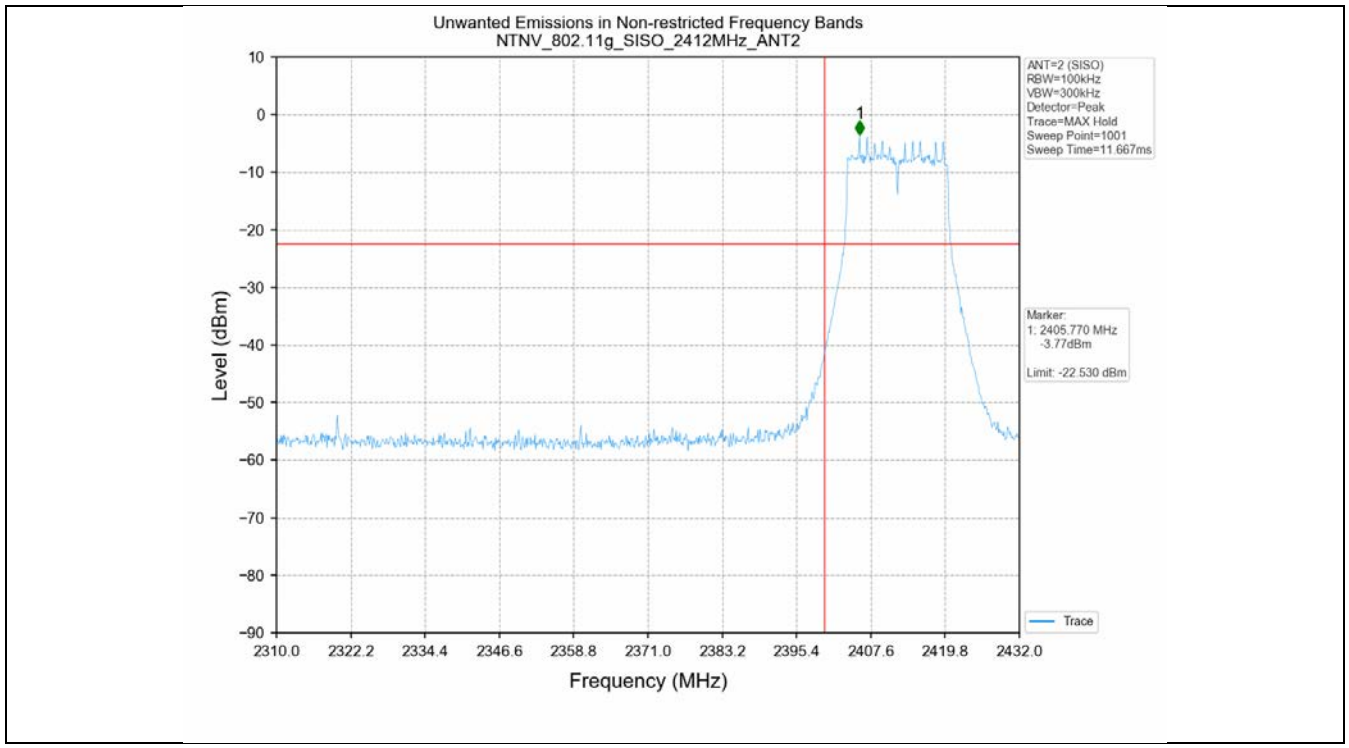

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2462.474 MHz
4.92dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

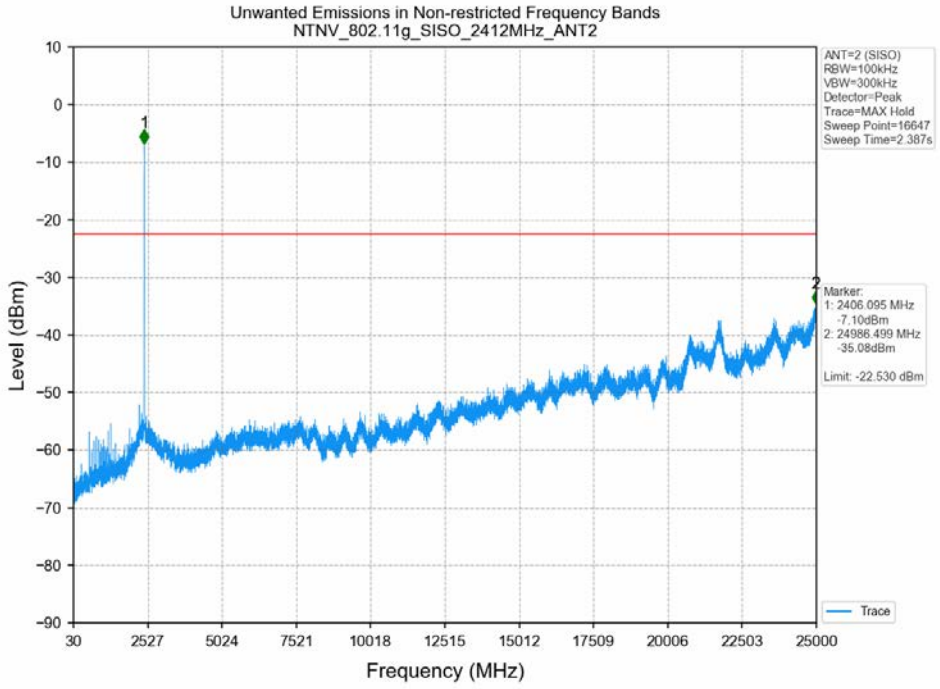

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
3.18dBm
2: 24981.999 MHz
-30.56dBm
Limit: -13.910 dBm
Trace
Level (dBm)
Frequency (MHz)
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

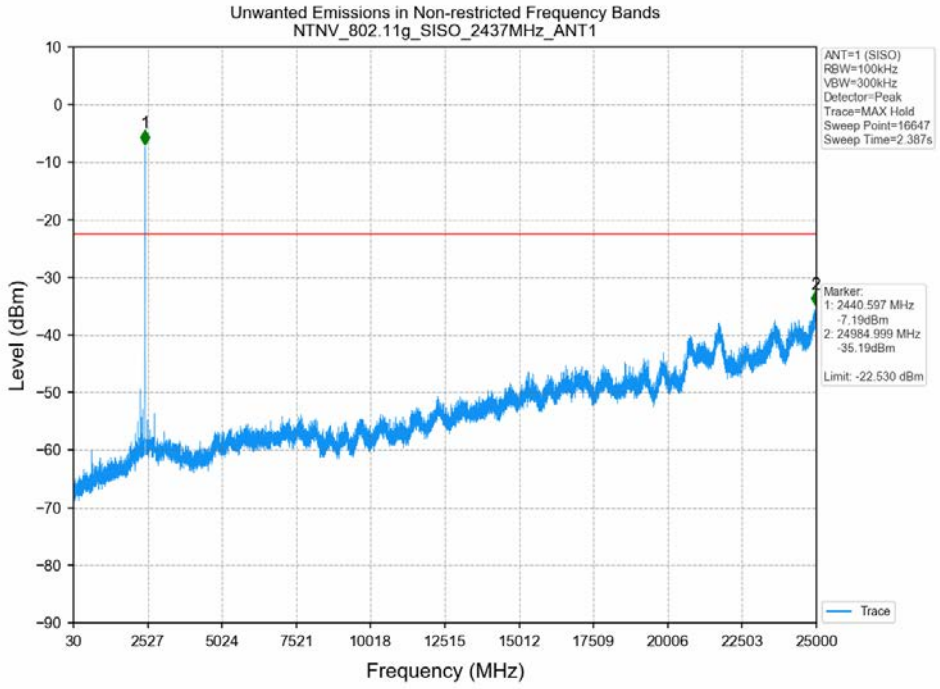

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.4ms
Marker:
1: 2405.728 MHz
-2.53dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2399.70
2402.16
2404.62
2407.08
2409.54
2412.00
2414.46
2416.92
2419.38
2421.84
2424.30

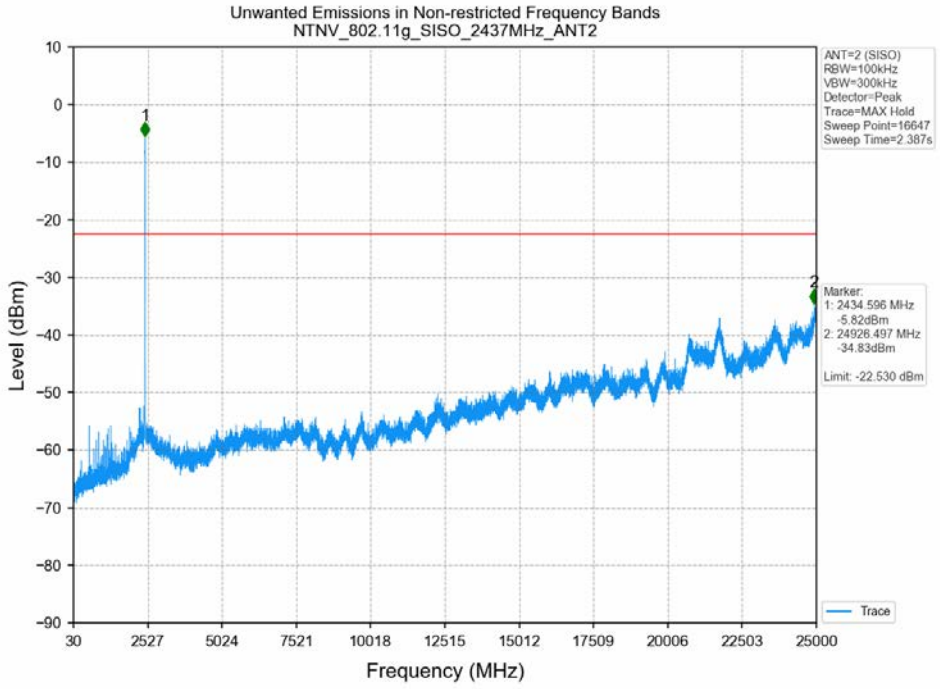

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2405.770 MHz
-2.53dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

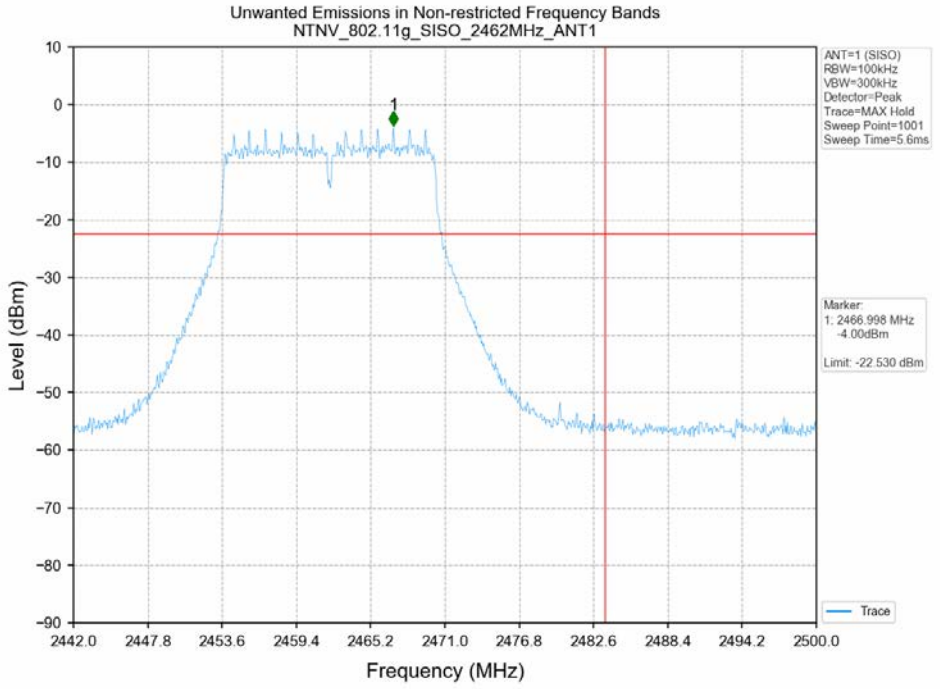

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2409.095 MHz
-6.35dBm
2: 24989.500 MHz
-33.36dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

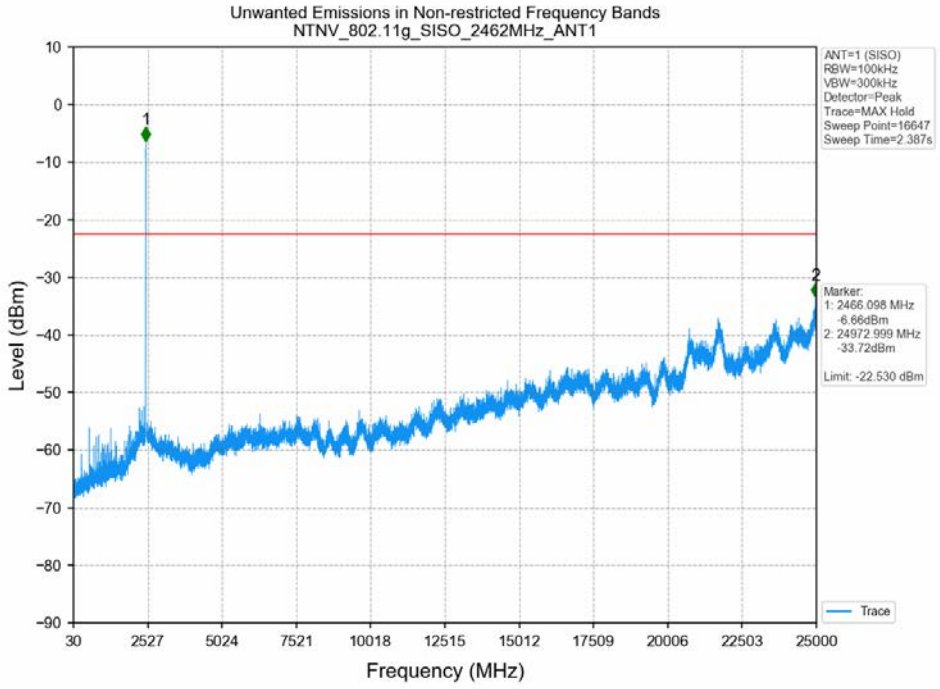

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2405.770 MHz
-3.77dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2310.0
2322.2
2334.4
2346.6
2358.8
2371.0
2383.2
2395.4
2407.6
2419.8
2432.0

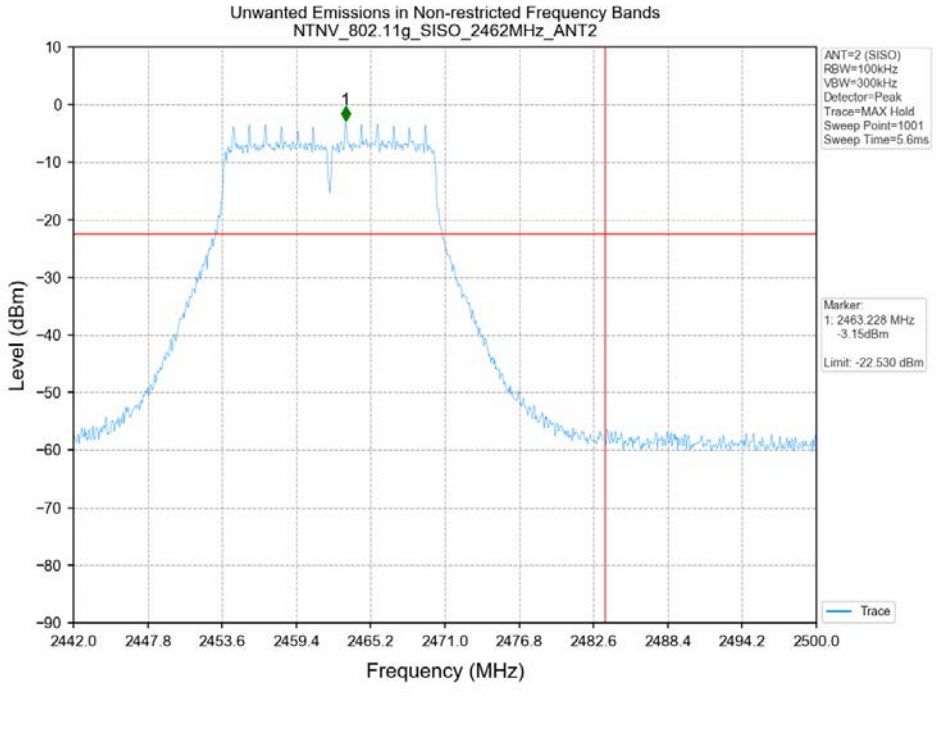

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2406.095 MHz
-7.10dBm
2: 24986.499 MHz
-35.08dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

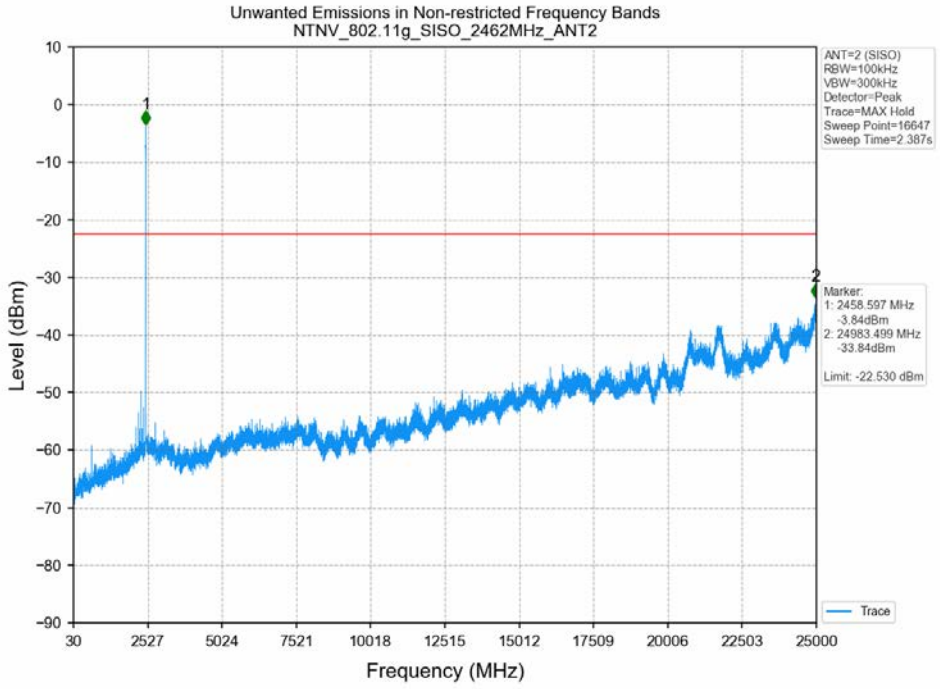

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2440.597 MHz
-7.19dBm
2: 24984.999 MHz
-35.19dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

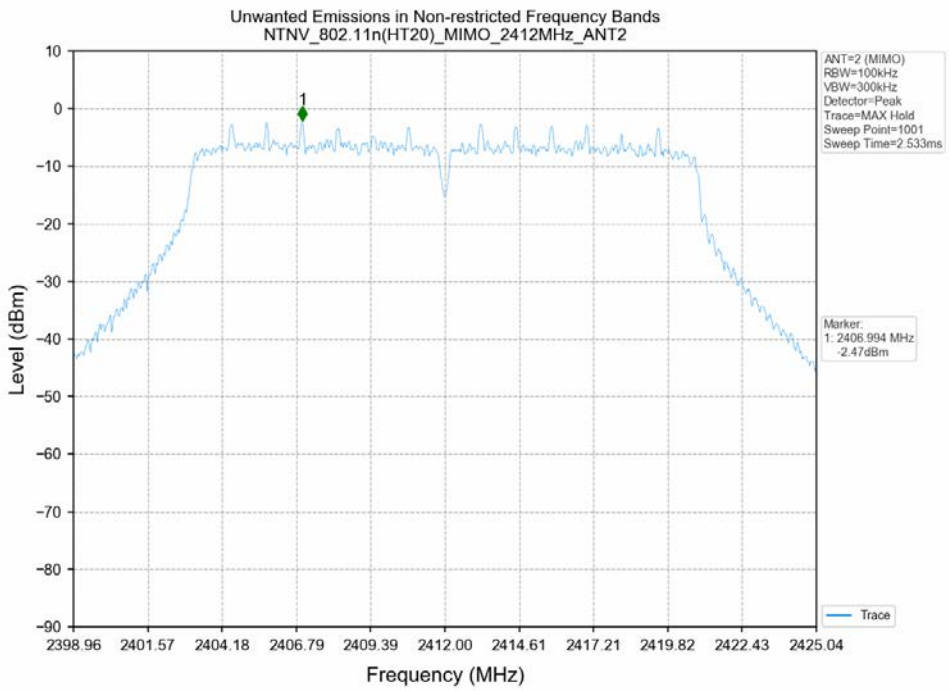

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2434.596 MHz
-5.82dBm
2: 24926.497 MHz
-34.83dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

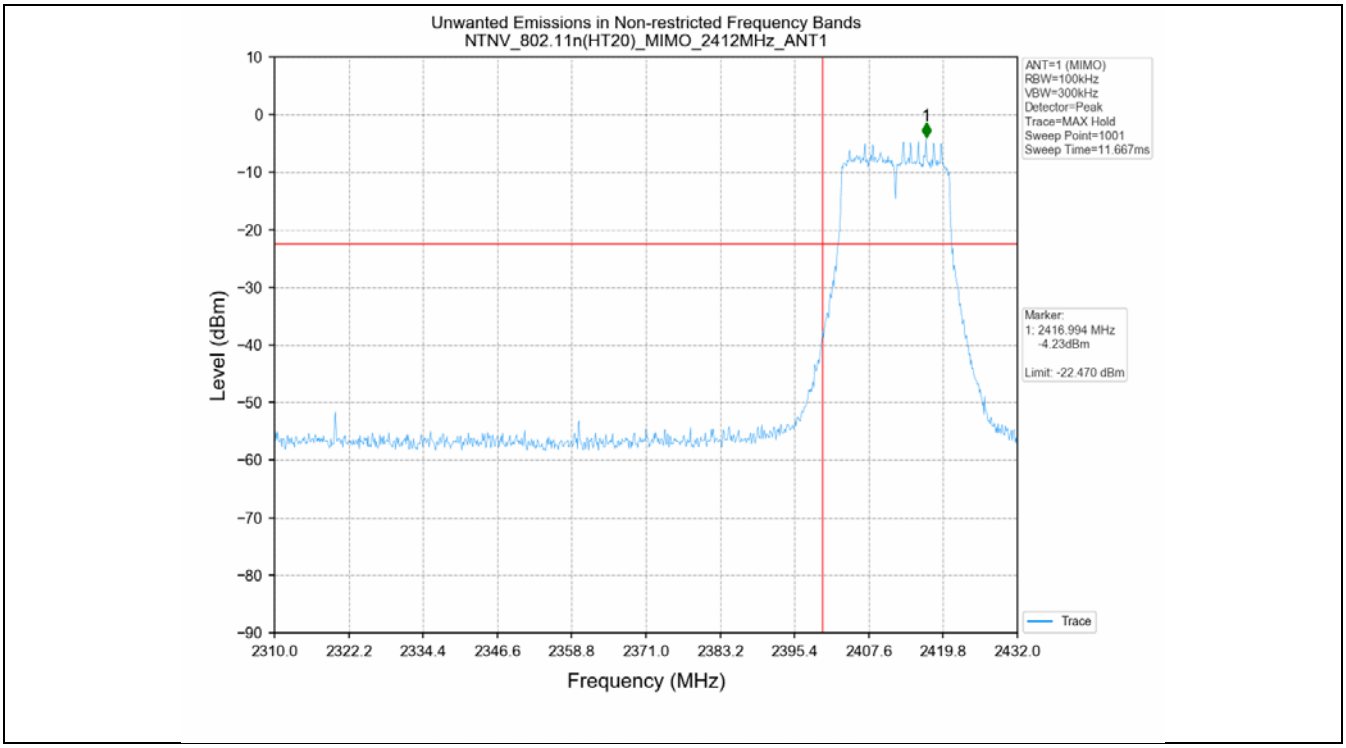

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2466.998 MHz
-4.00dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

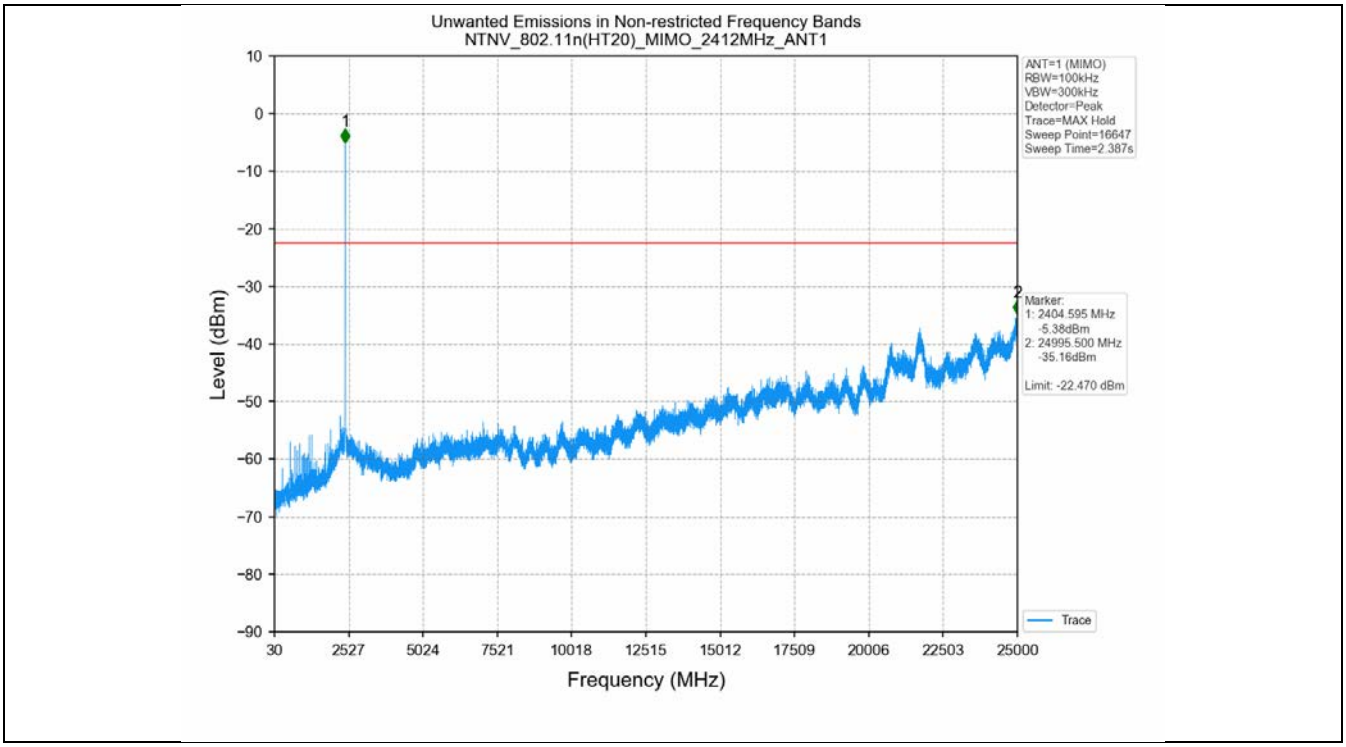

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2466.098 MHz
-6.66dBm
2: 24972.999 MHz
-33.72dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

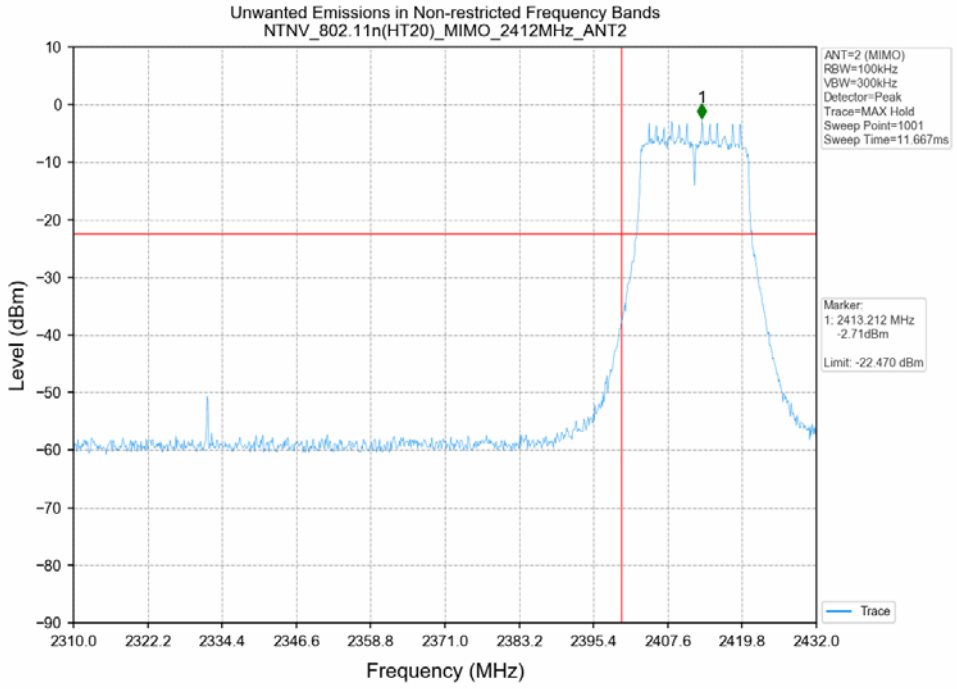

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2463.228 MHz
-3.15dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2442.0
2447.8
2453.6
2459.4
2465.2
2471.0
2476.8
2482.6
2488.4
2494.2
2500.0

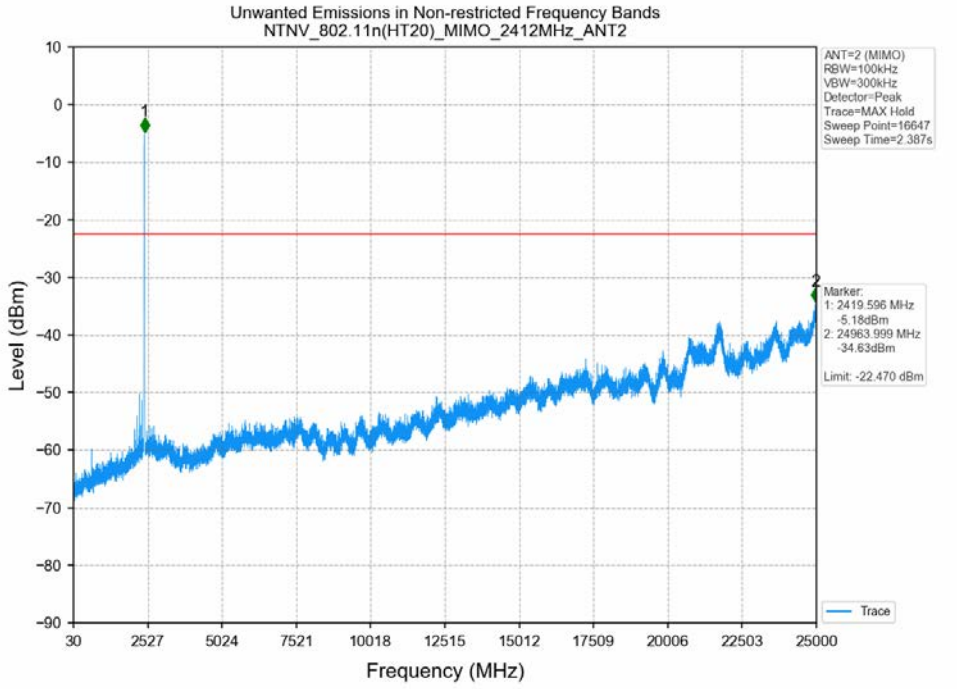

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT2
ANT=2 (SISO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2458.597 MHz
-3.84dBm
2: 24983.499 MHz
-33.84dBm
Limit: -22.530 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

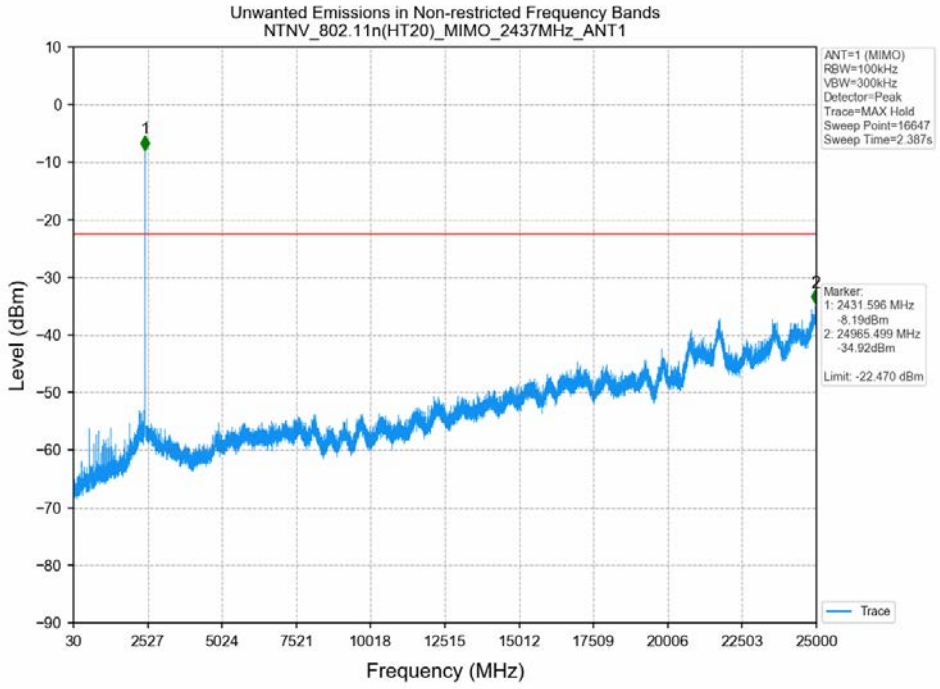

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
Marker:
1: 2406.994 MHz
-2.47dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2398.96
2401.57
2404.18
2406.79
2409.39
2412.00
2414.61
2417.21
2419.82
2422.43
2425.04

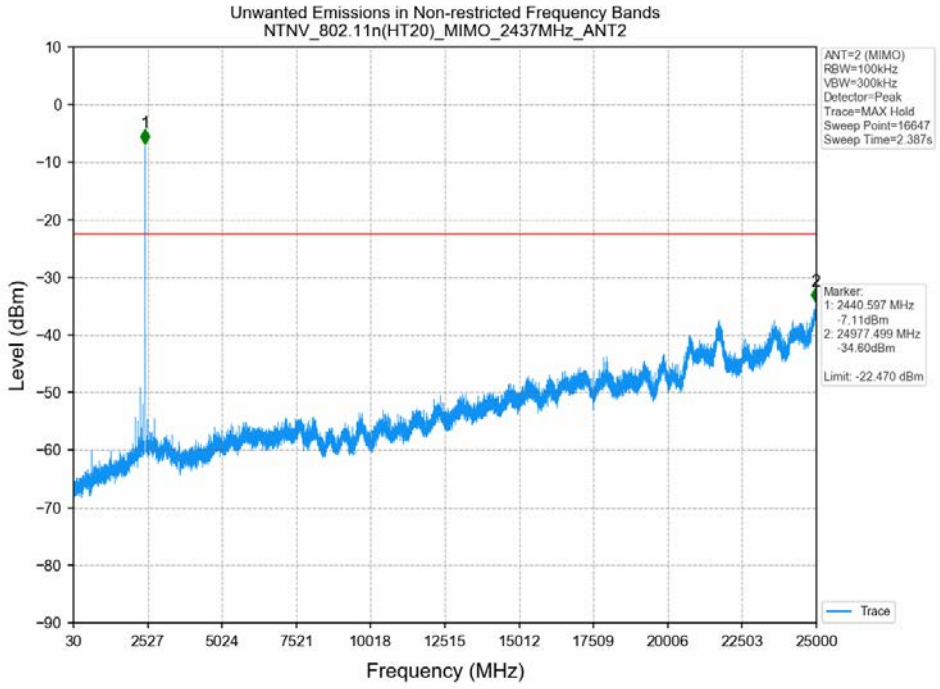

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2416.994 MHz
-4.23dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-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

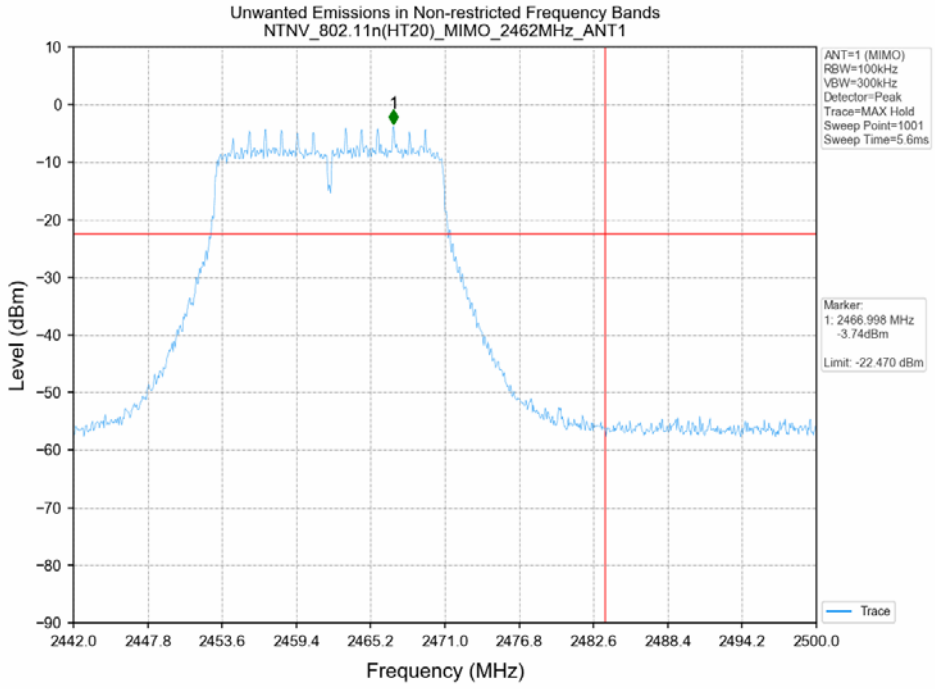

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2404.595 MHz
-5.38dBm
2: 24995.500 MHz
-35.16dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

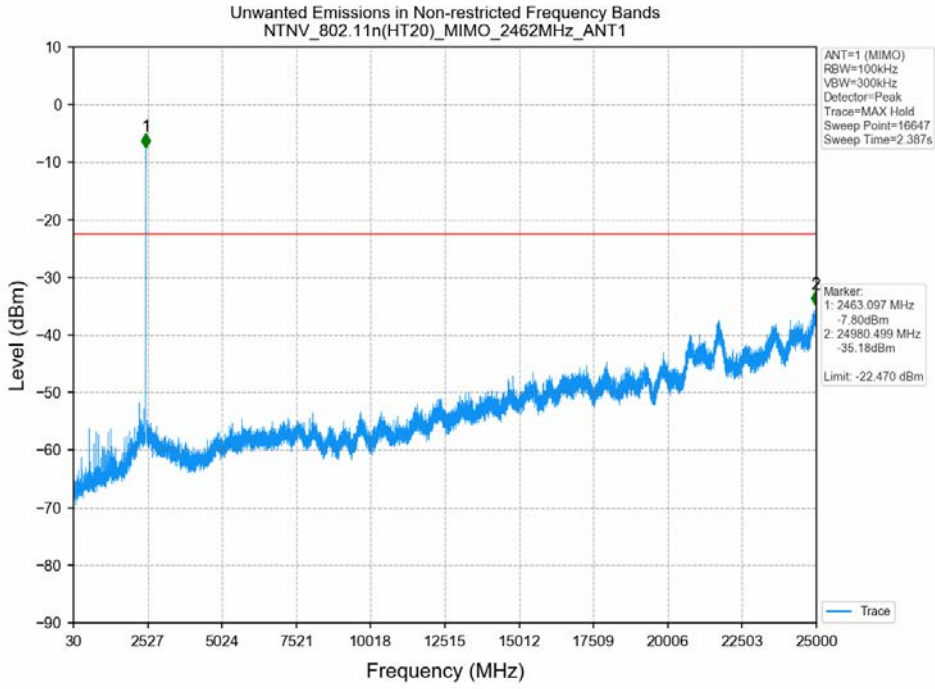

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=11.667ms
Marker:
1: 2413.212 MHz
-2.71dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-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

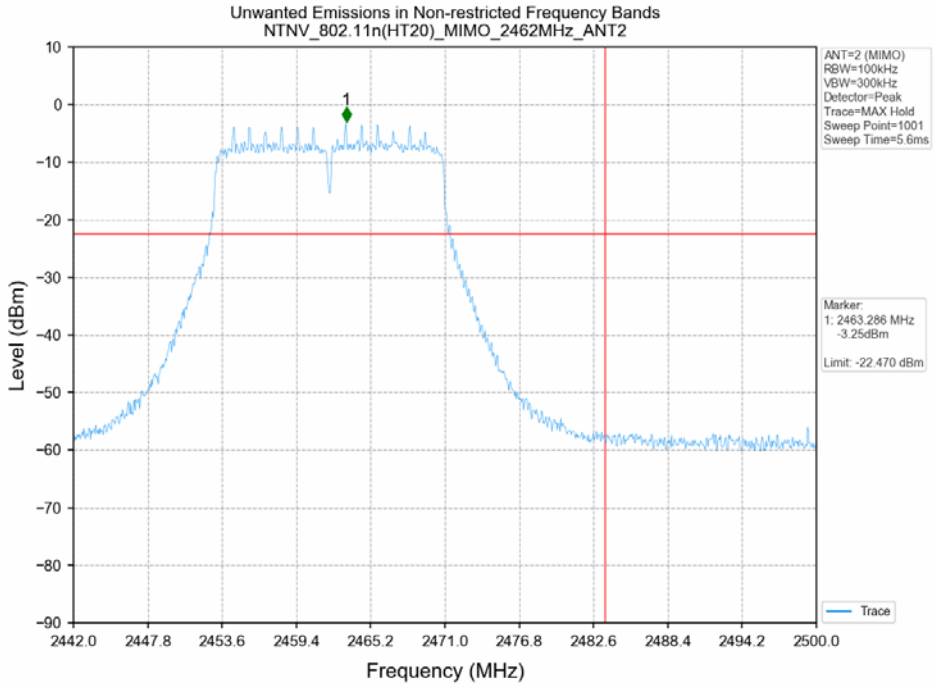

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2412MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2419.596 MHz
-5.18dBm
2: 24963.999 MHz
-34.63dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

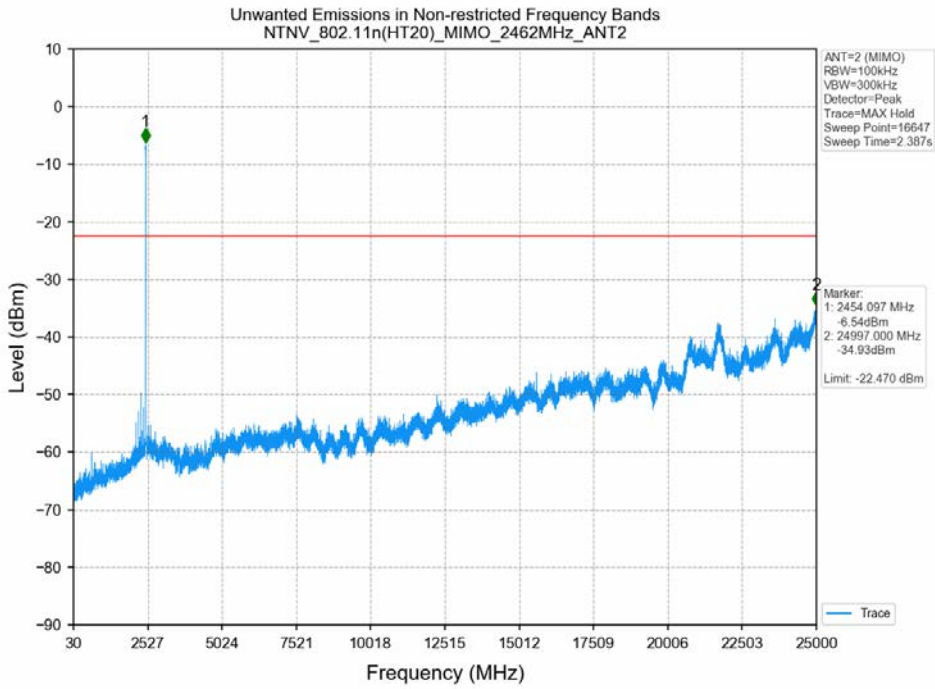

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2431.596 MHz
-8.19dBm
2: 24965.499 MHz
-34.92dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

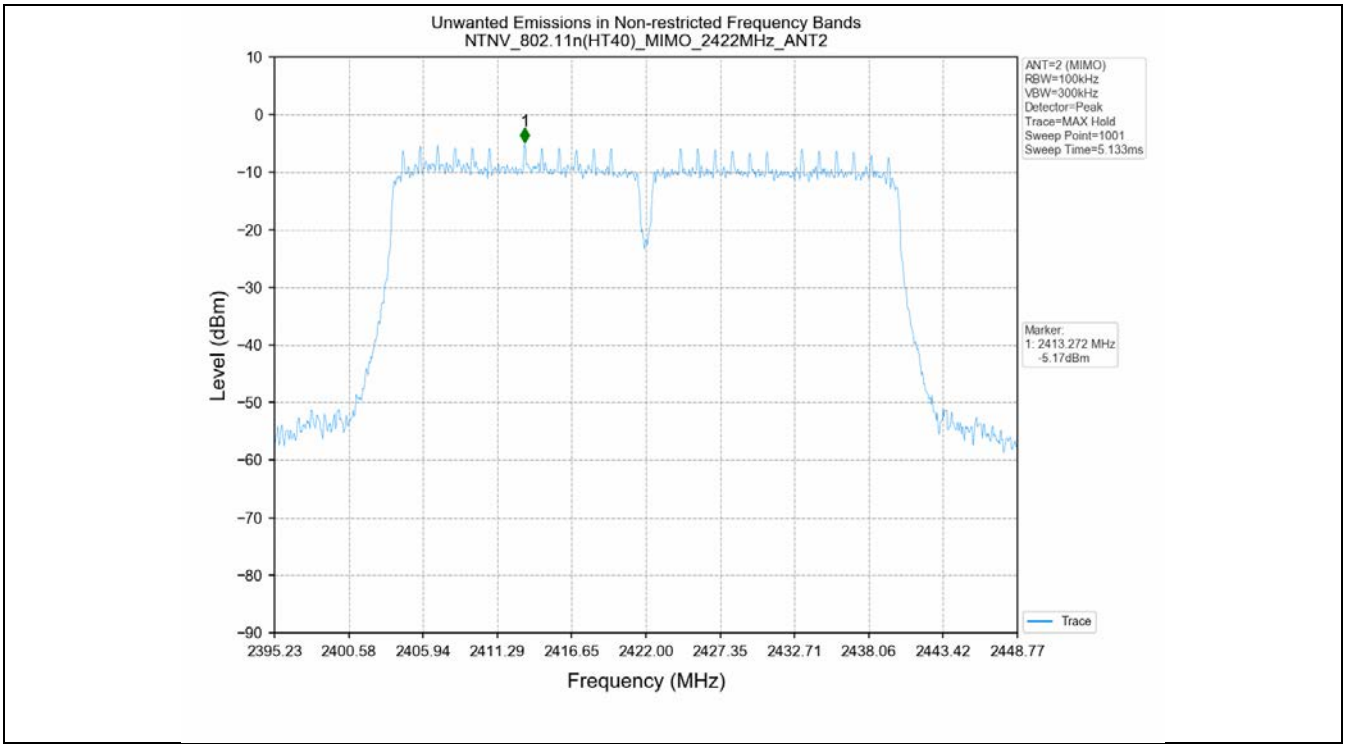

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2437MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2440.597 MHz
-7.11dBm
2: 24977.499 MHz
-34.60dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

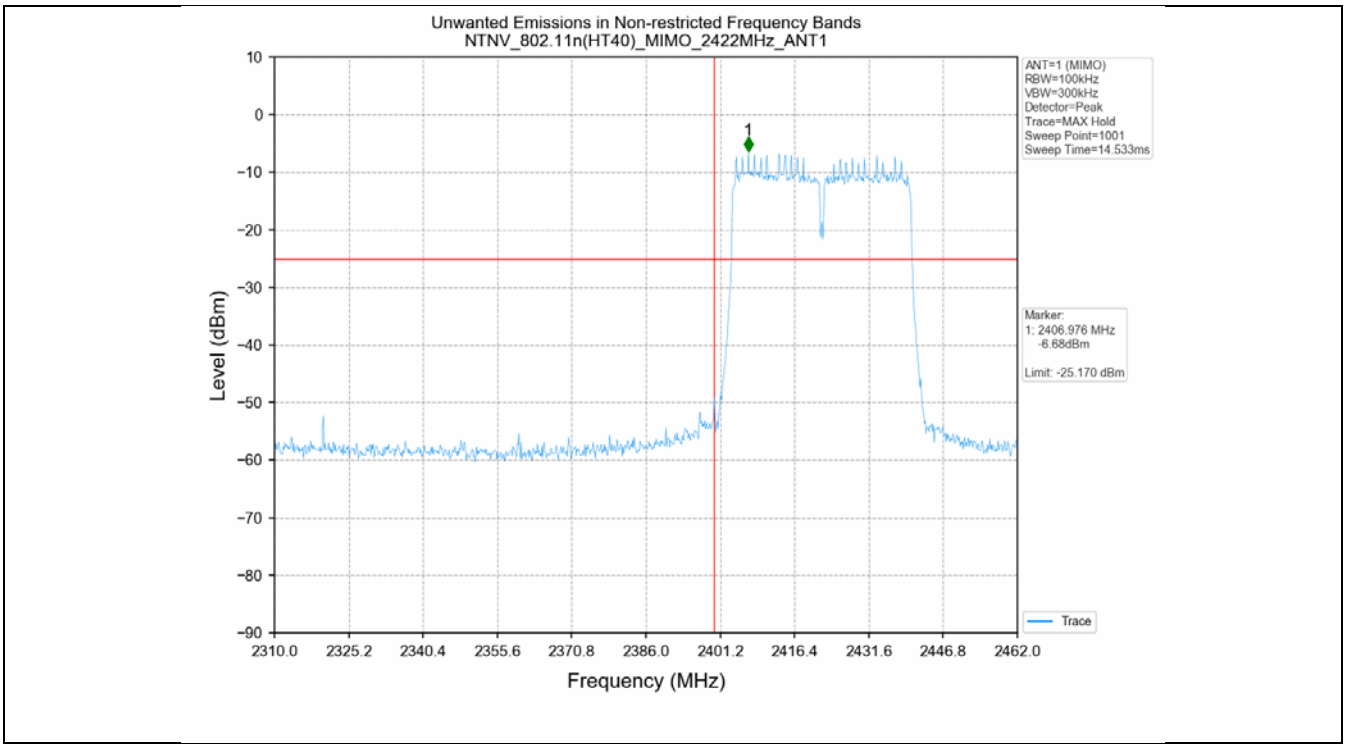

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2466.998 MHz
-3.74dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-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

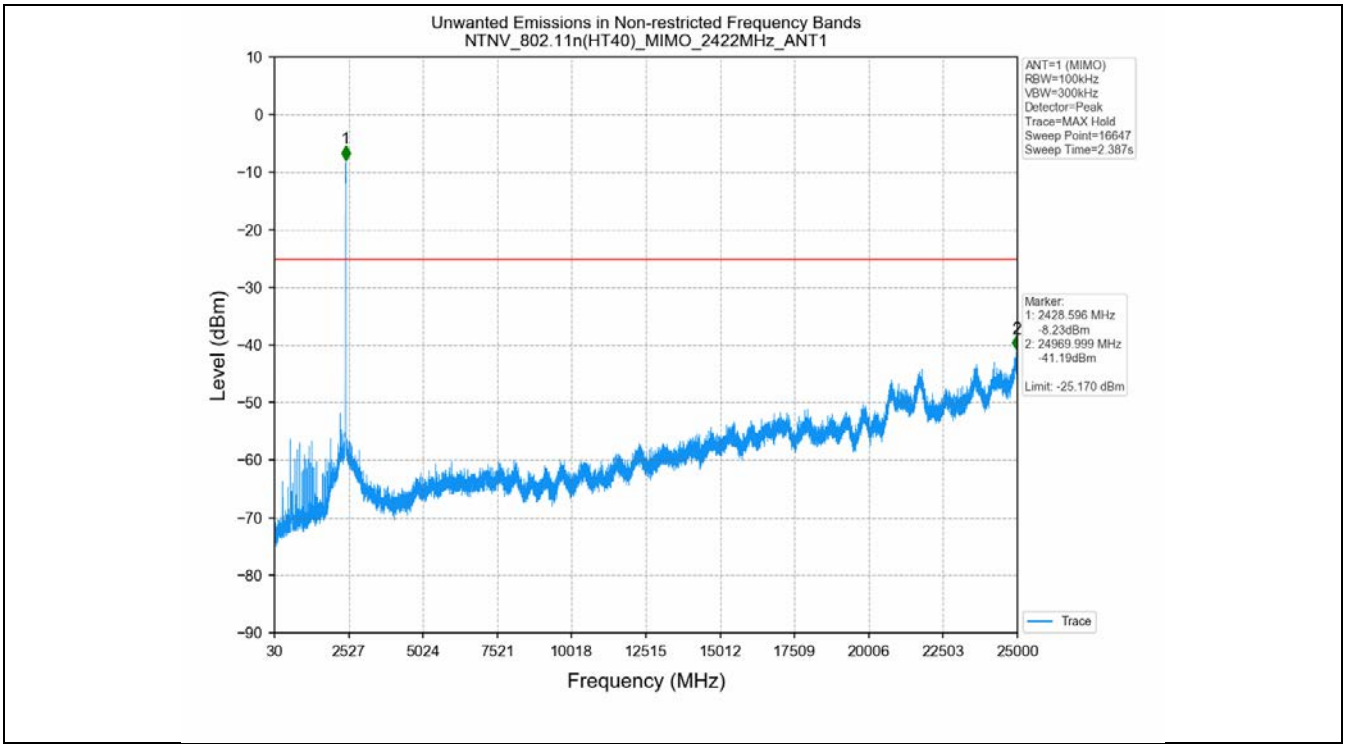

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2463.097 MHz
-7.80dBm
2: 24980.499 MHz
-35.18dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

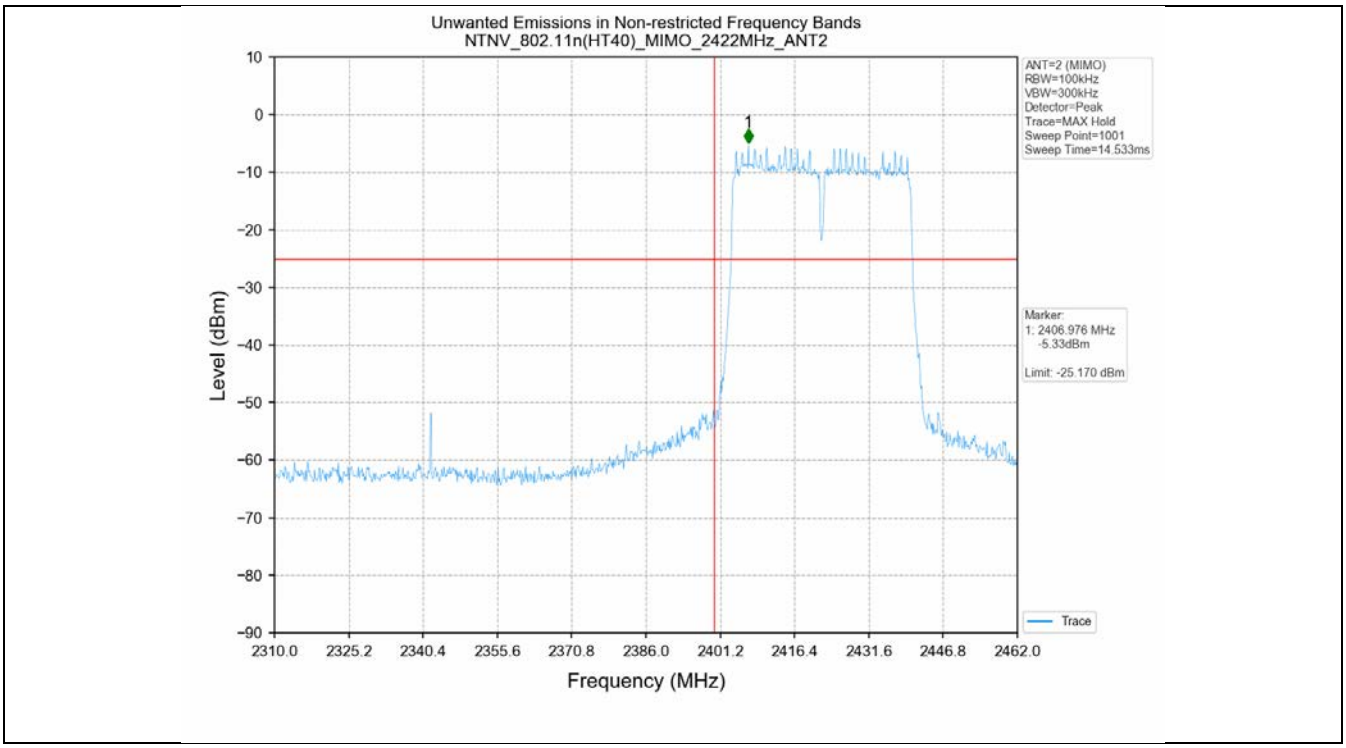

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.6ms
Marker:
1: 2463.286 MHz
-3.25dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-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

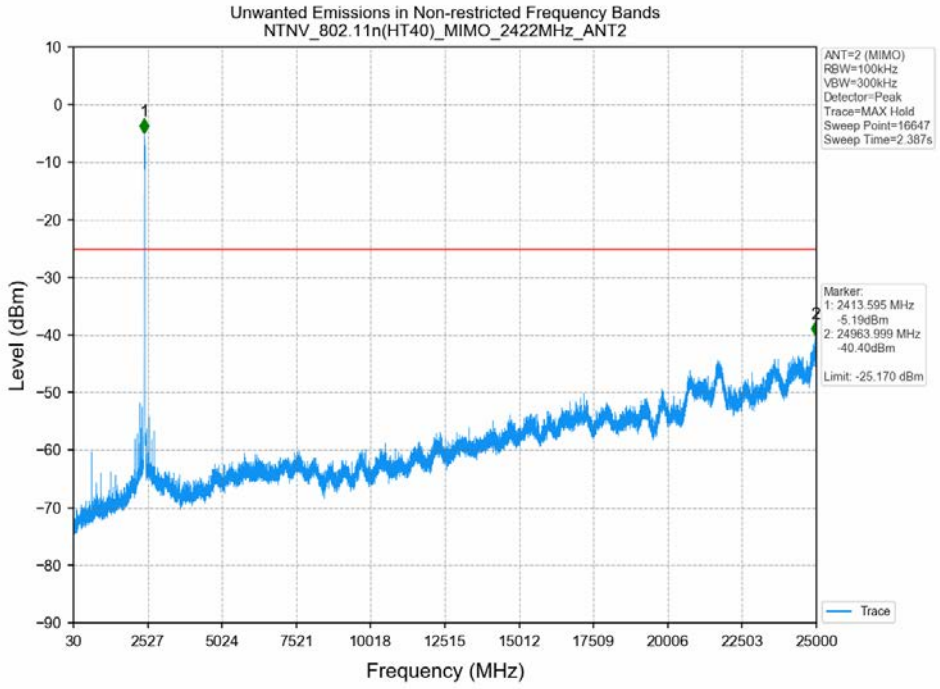

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_MIMO_2462MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2454.097 MHz
-6.54dBm
2: 24997.000 MHz
-34.93dBm
Limit: -22.470 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

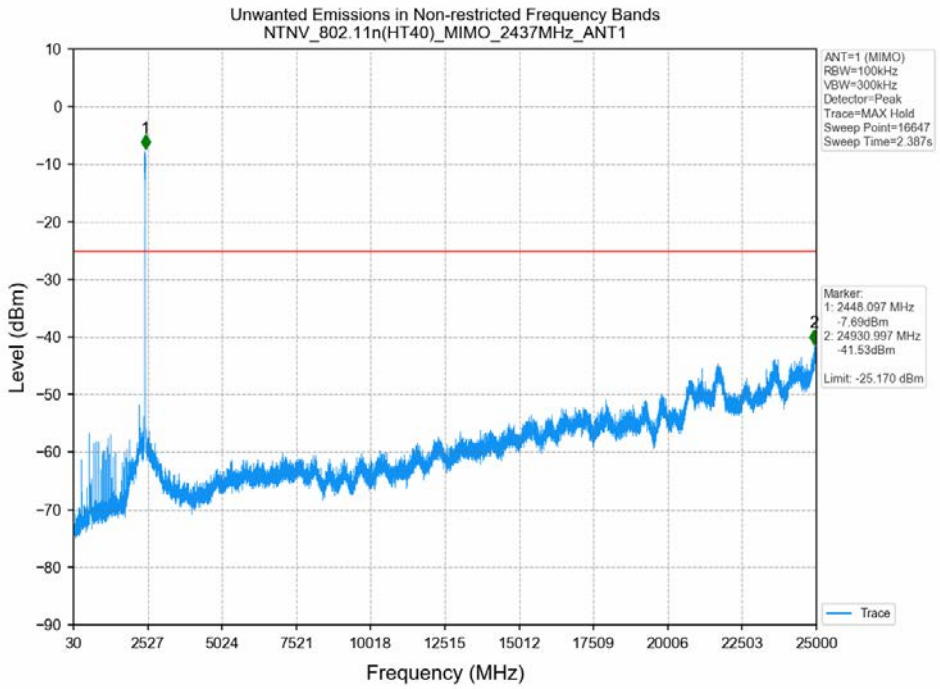

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.133ms
Marker:
1: 2413.272 MHz
-5.17dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
2395.23
2400.58
2405.94
2411.29
2416.65
2422.00
2427.35
2432.71
2438.06
2443.42
2448.77

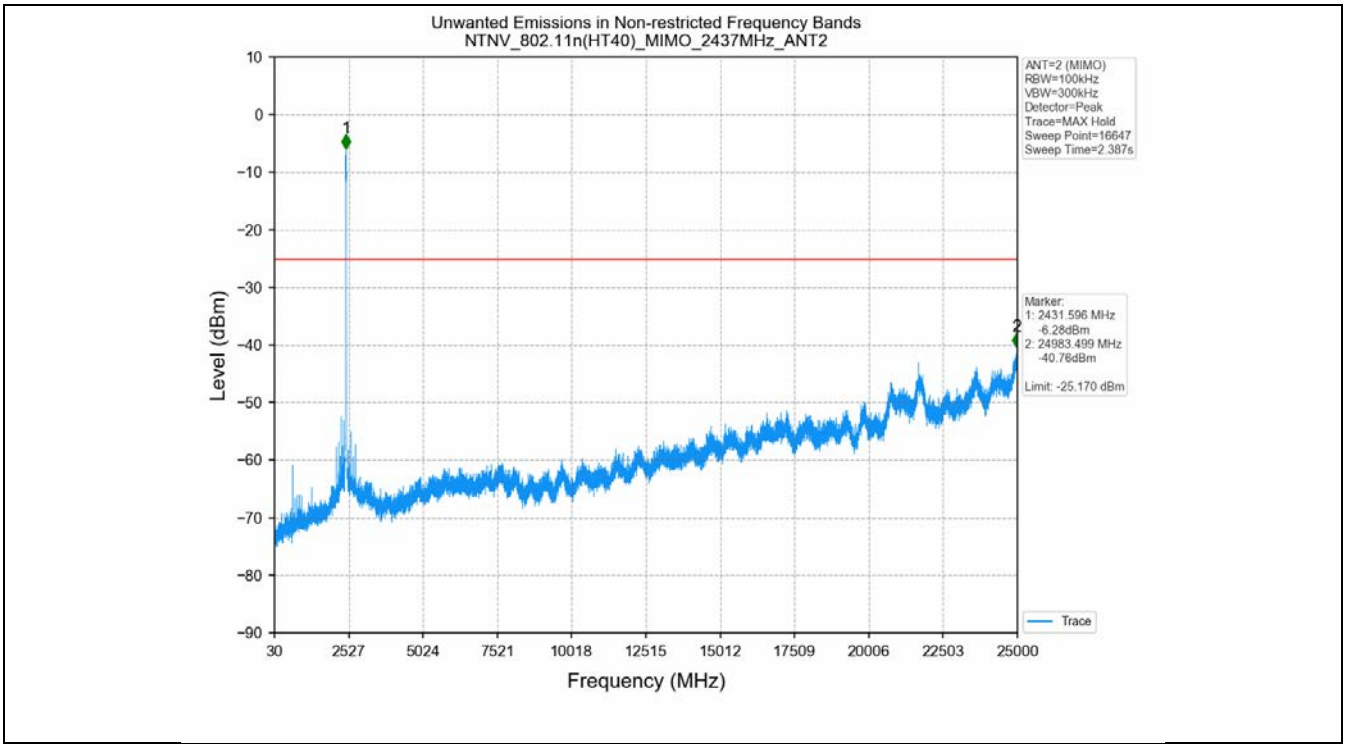

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=14.533ms
Marker:
1: 2406.976 MHz
-6.68dBm
Limit: -25.170 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-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

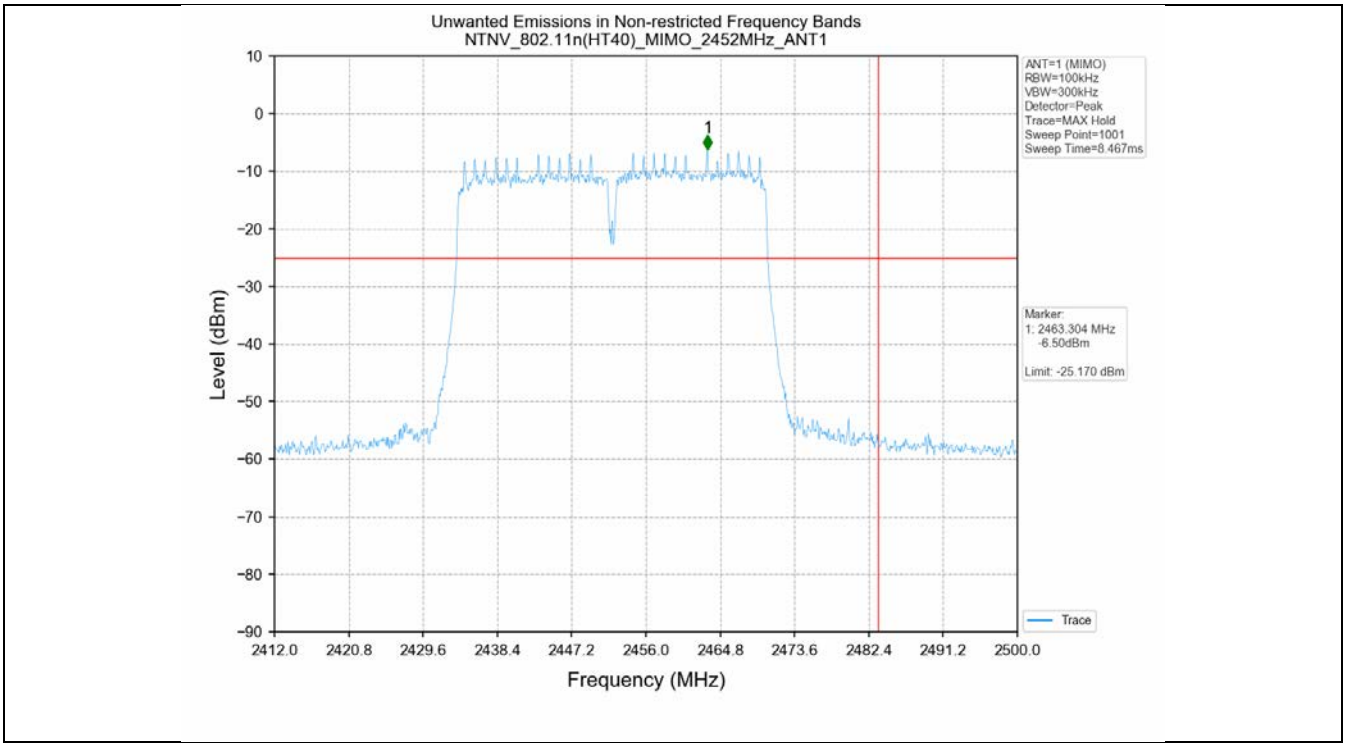

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2428.596 MHz
-8.23dBm
2: 24969.999 MHz
-41.19dBm
Limit: -25.170 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

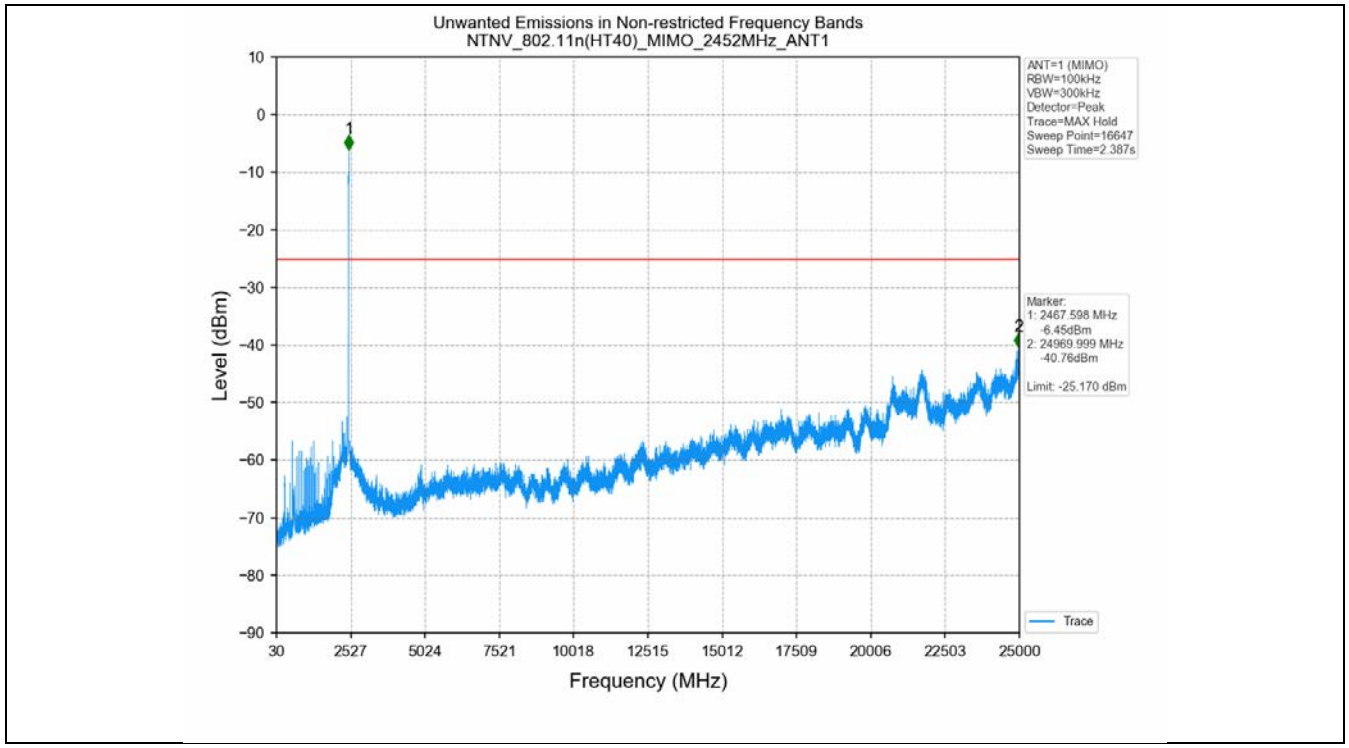

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=14.533ms
Marker:
1: 2406.976 MHz
-5.33dBm
Limit: -25.170 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-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

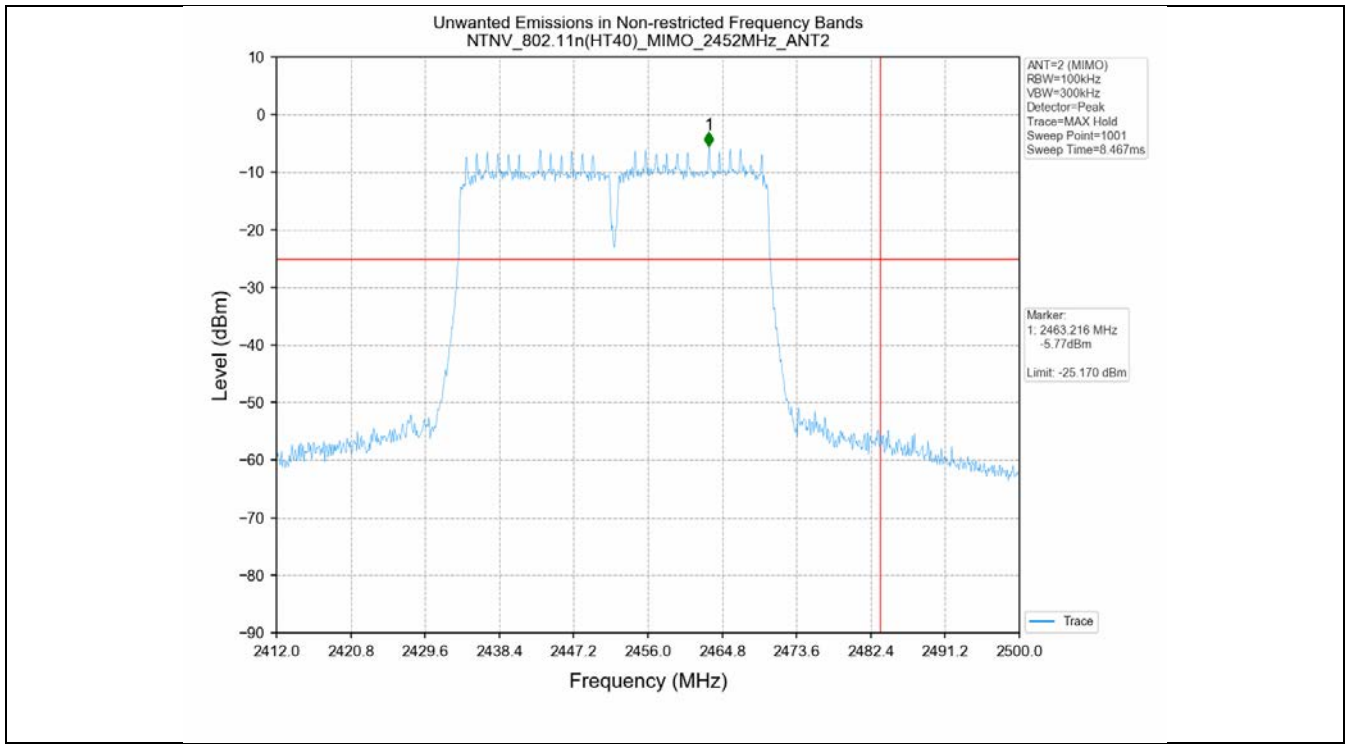

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2422MHz_ANT2
ANT=2 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2413.595 MHz
-5.19dBm
2: 24963.999 MHz
-40.40dBm
Limit: -25.170 dBm
Trace
Level (dBm)
Frequency (MHz)
10
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
30
2527
5024
7521
10018
12515
15012
17509
20006
22503
25000

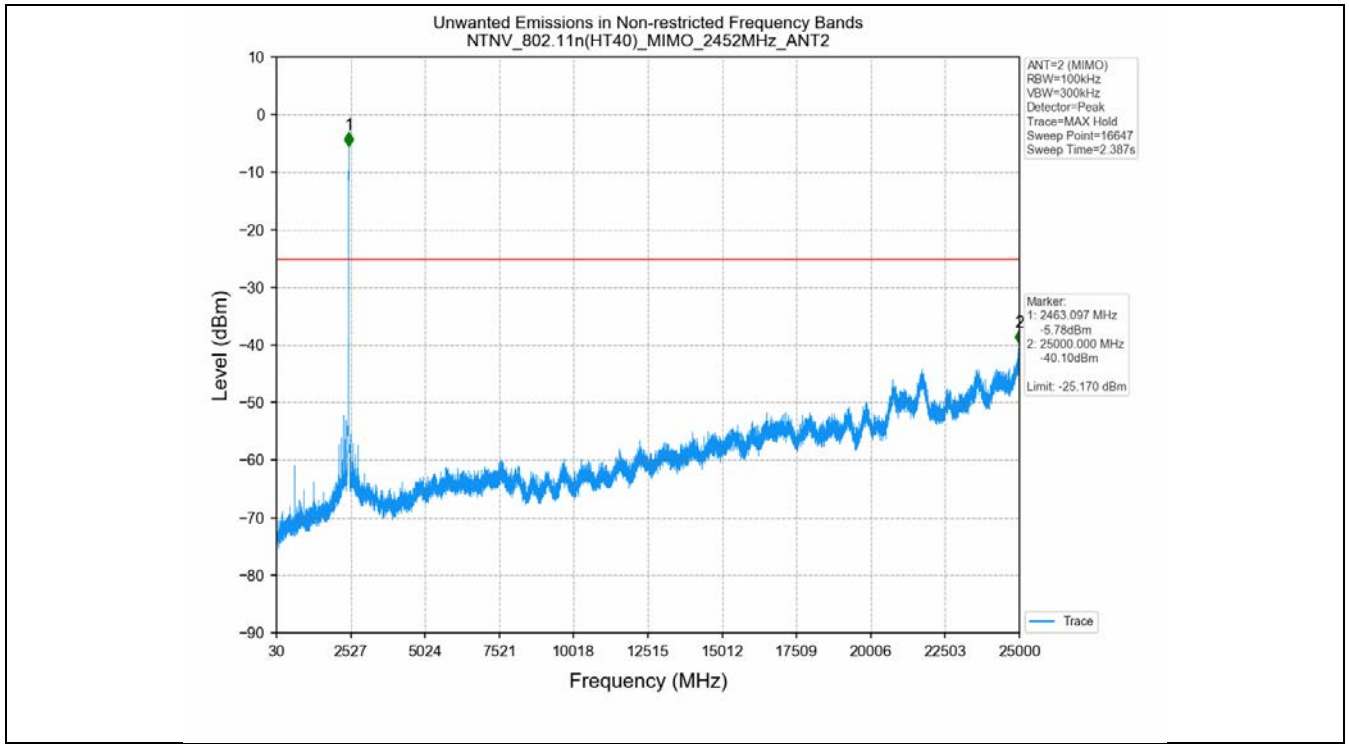

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_MIMO_2437MHz_ANT1
ANT=1 (MIMO)
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=16647
Sweep Time=2.387s
Marker:
1: 2448.097 MHz
-7.69dBm
2: 24930.997 MHz
-41.53dBm
Limit: -25.170 dBm
Trace
Level (dBm)
Frequency (MHz)
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: 2431.596 MHz
-6.28dBm
2: 24983.499 MHz
-40.76dBm
Limit: -25.170 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
-6.50dBm
Limit: -25.170 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: 2467.598 MHz
-6.45dBm
2: 24969.999 MHz
-40.76dBm
Limit: -25.170 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: 2463.216 MHz
-5.77dBm
Limit: -25.170 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: 2463.097 MHz
-5.78dBm
2: 25000.000 MHz
-40.10dBm
Limit: -25.170 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