Appendix for 15.247

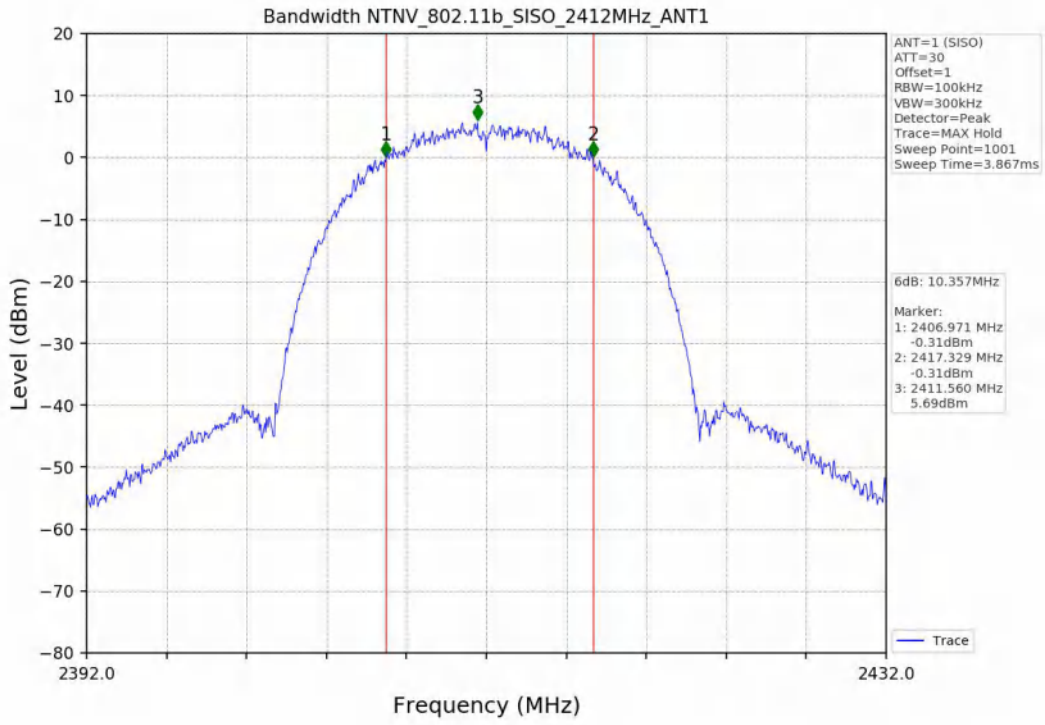
1. Bandwidth

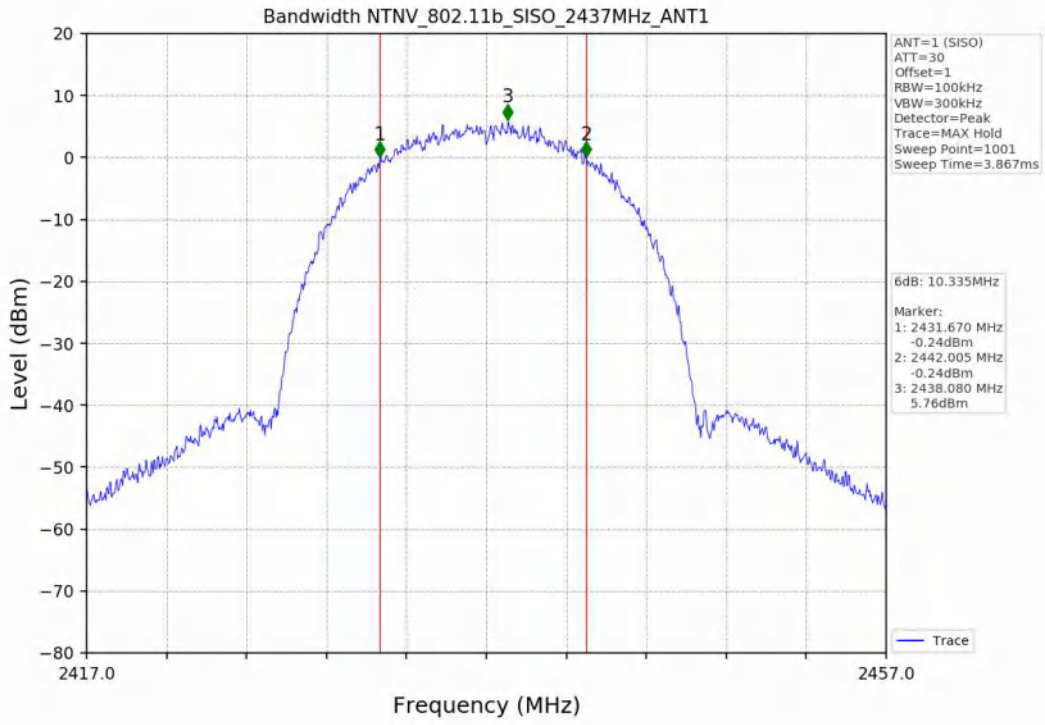
1.1 Test Result

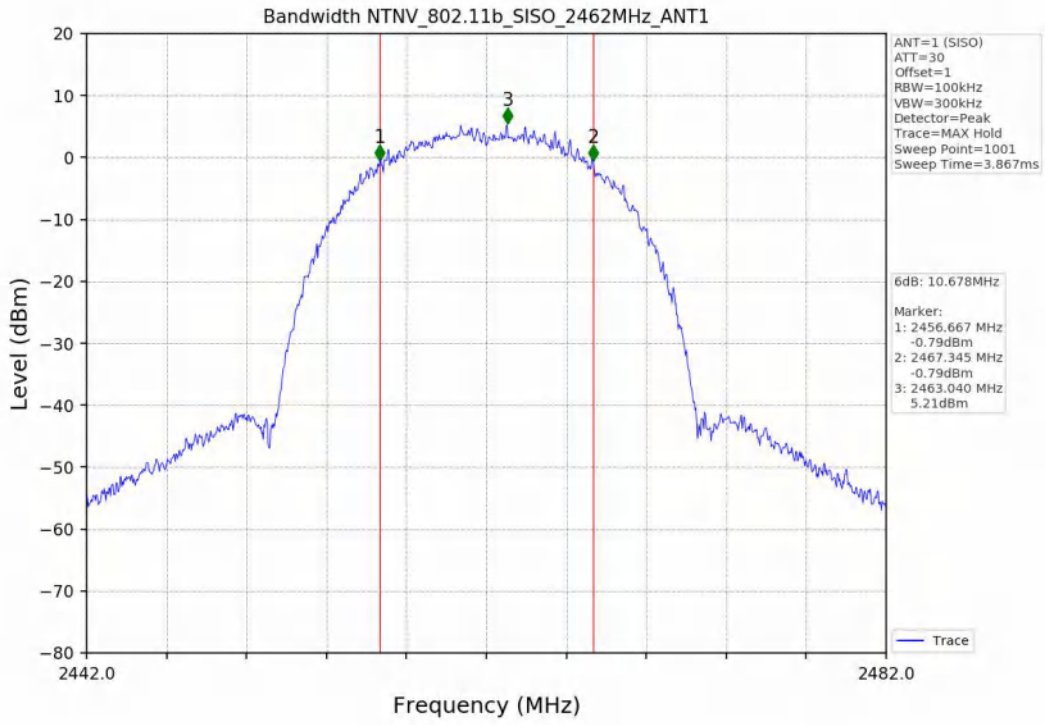
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.357	≥0.5	PASS
	2437	SISO	1	10.335	≥0.5	PASS
	2462	SISO	1	10.678	≥0.5	PASS
802.11g	2412	SISO	1	16.392	≥0.5	PASS
	2437	SISO	1	16.361	≥0.5	PASS
	2462	SISO	1	16.452	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.335	≥0.5	PASS
	2437	SISO	1	16.964	≥0.5	PASS
	2462	SISO	1	17.341	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.611	≥0.5	PASS
	2437	SISO	1	35.808	≥0.5	PASS
	2452	SISO	1	35.281	≥0.5	PASS

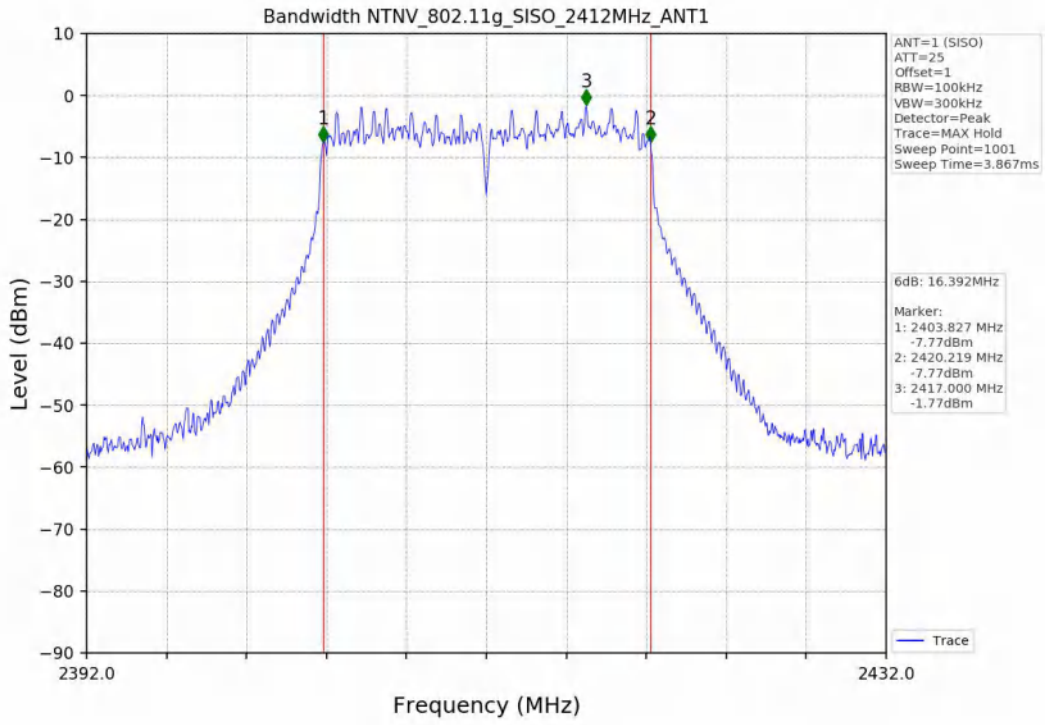
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.794	Only for Report Use
	2437	SISO	1	14.753	Only for Report Use
	2462	SISO	1	14.724	Only for Report Use
802.11g	2412	SISO	1	16.646	Only for Report Use
	2437	SISO	1	16.621	Only for Report Use
	2462	SISO	1	16.583	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.648	Only for Report Use
	2437	SISO	1	17.633	Only for Report Use
	2462	SISO	1	17.792	Only for Report Use
802.11n(HT40)	2422	SISO	1	36.111	Only for Report Use
	2437	SISO	1	36.220	Only for Report Use
	2452	SISO	1	36.173	Only for Report Use

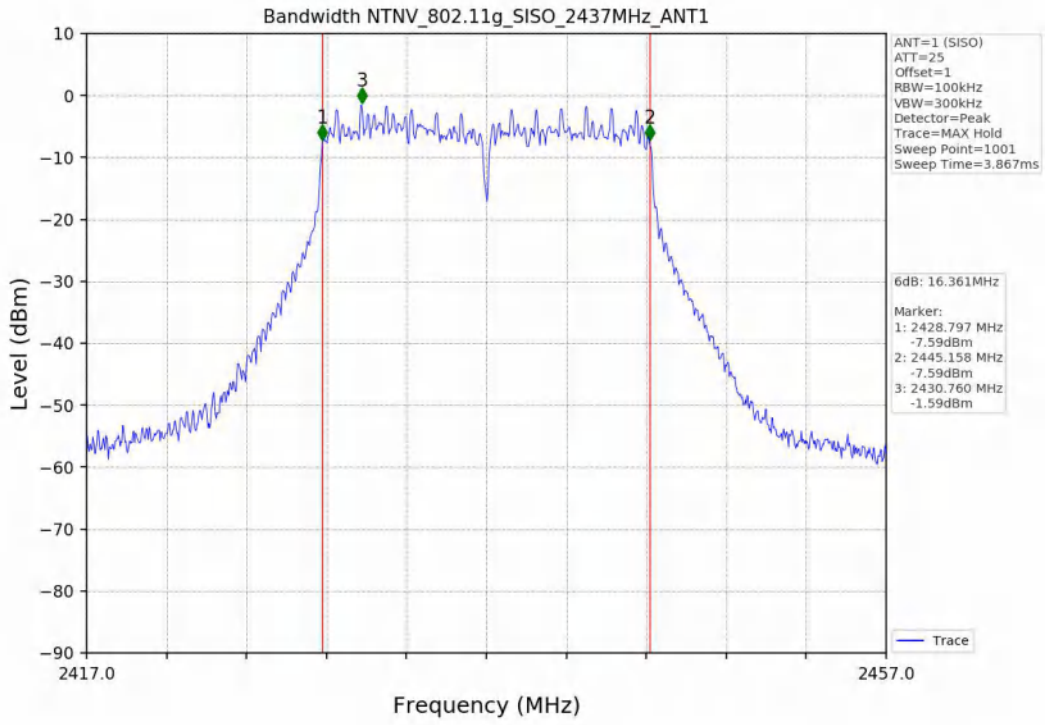
1.2 Test Graph - 6dB Bandwidth

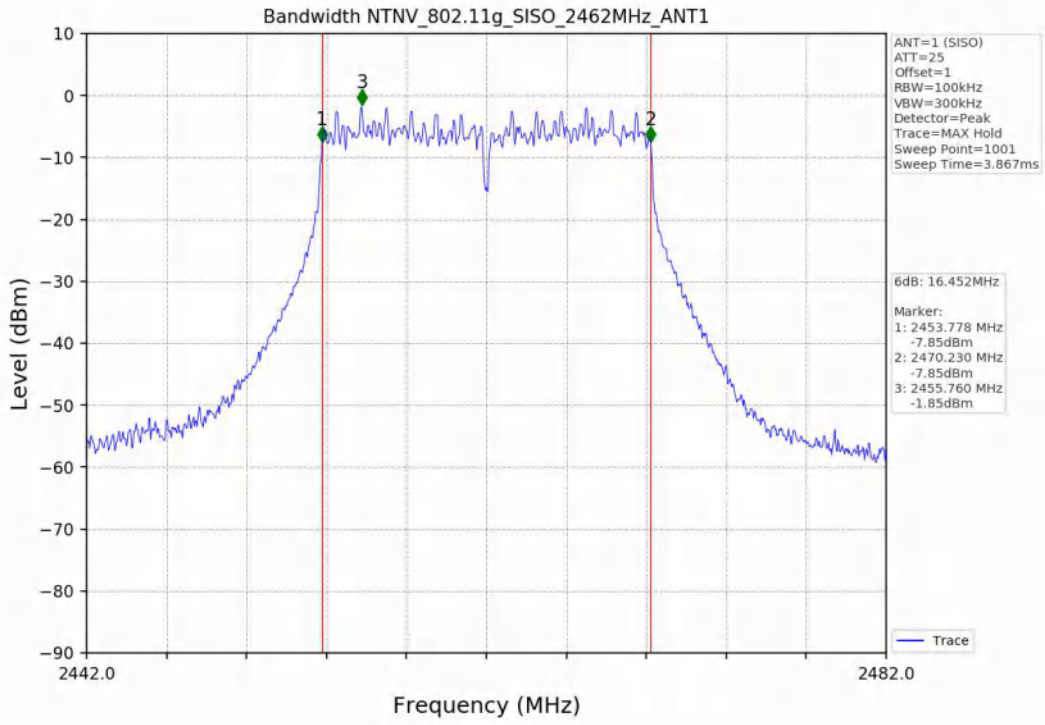

Bandwidth NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 10.357MHz
Marker:
1: 2406.971 MHz
-0.31dBm
2: 2417.329 MHz
-0.31dBm
3: 2411.560 MHz
5.69dBm
Trace
Level (dBm)
Frequency (MHz)
2392.0
2432.0

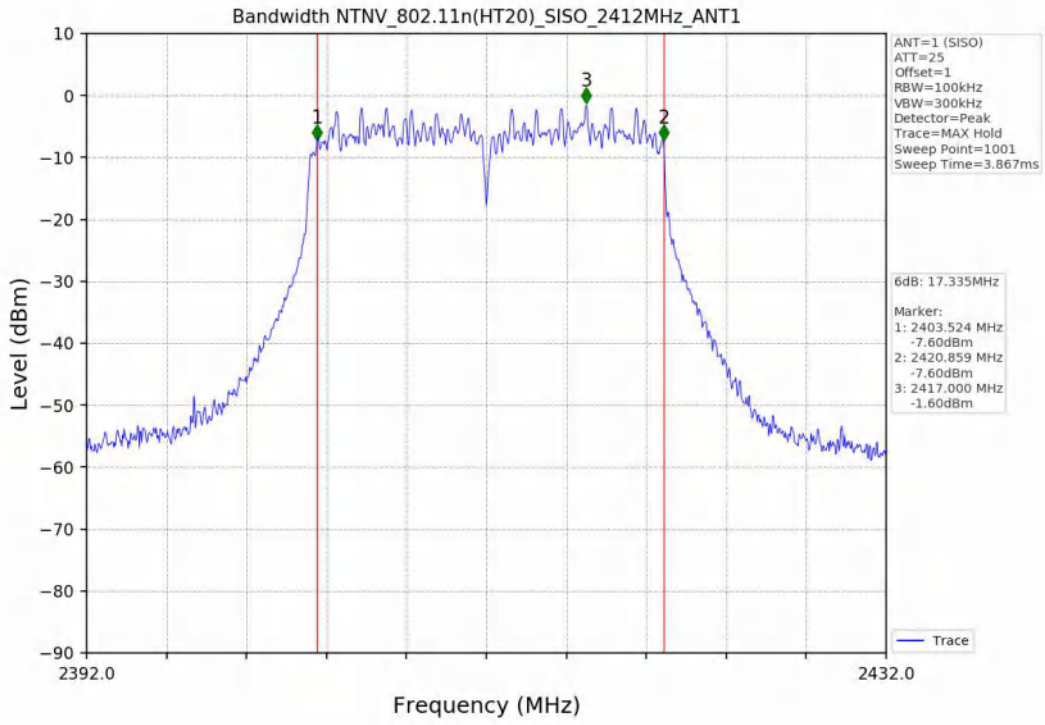

Bandwidth NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 10.335MHz
Marker:
1: 2431.670 MHz
-0.24dBm
2: 2442.005 MHz
-0.24dBm
3: 2438.080 MHz
5.76dBm
Trace
Level (dBm)
Frequency (MHz)
2417.0
2457.0

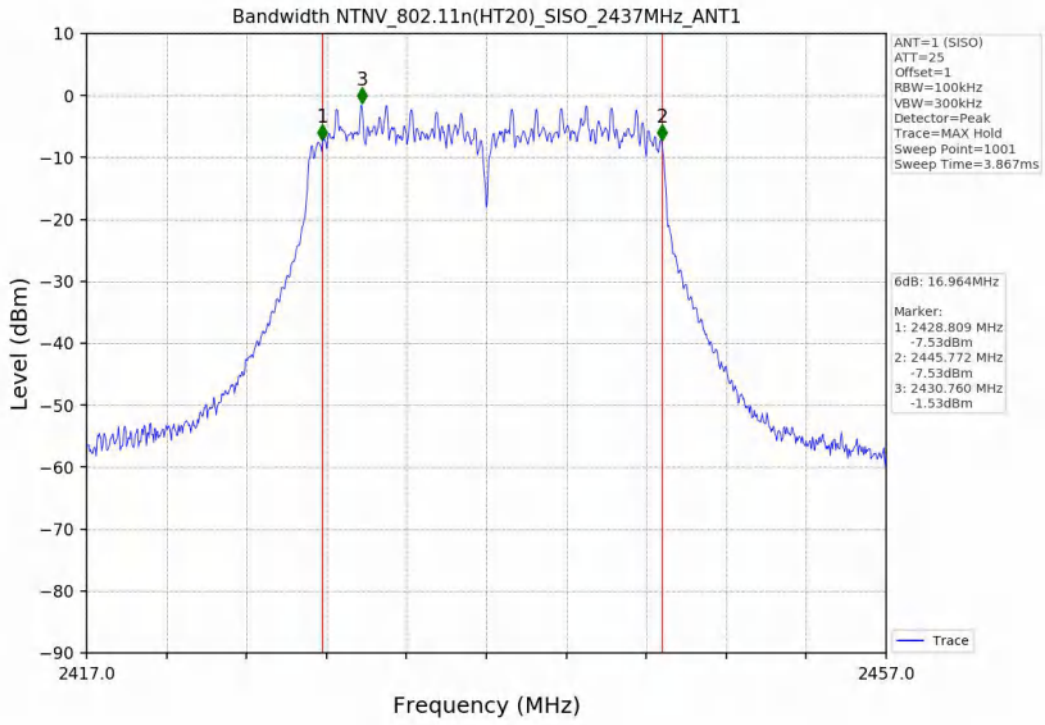

Bandwidth NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 10.678MHz
Marker:
1: 2456.667 MHz
-0.79dBm
2: 2467.345 MHz
-0.79dBm
3: 2463.040 MHz
5.21dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0

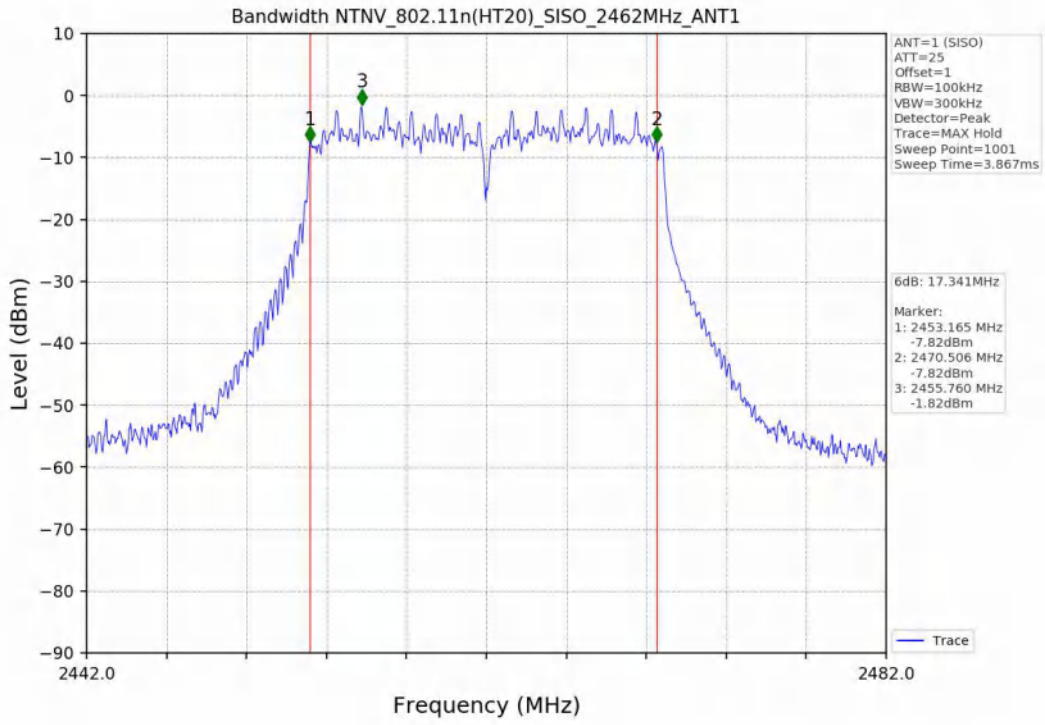

Bandwidth NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 16.392MHz
Marker:
1: 2403.827 MHz
-7.77dBm
2: 2420.219 MHz
-7.77dBm
3: 2417.000 MHz
-1.77dBm
Trace
Level (dBm)
Frequency (MHz)
2392.0
2432.0

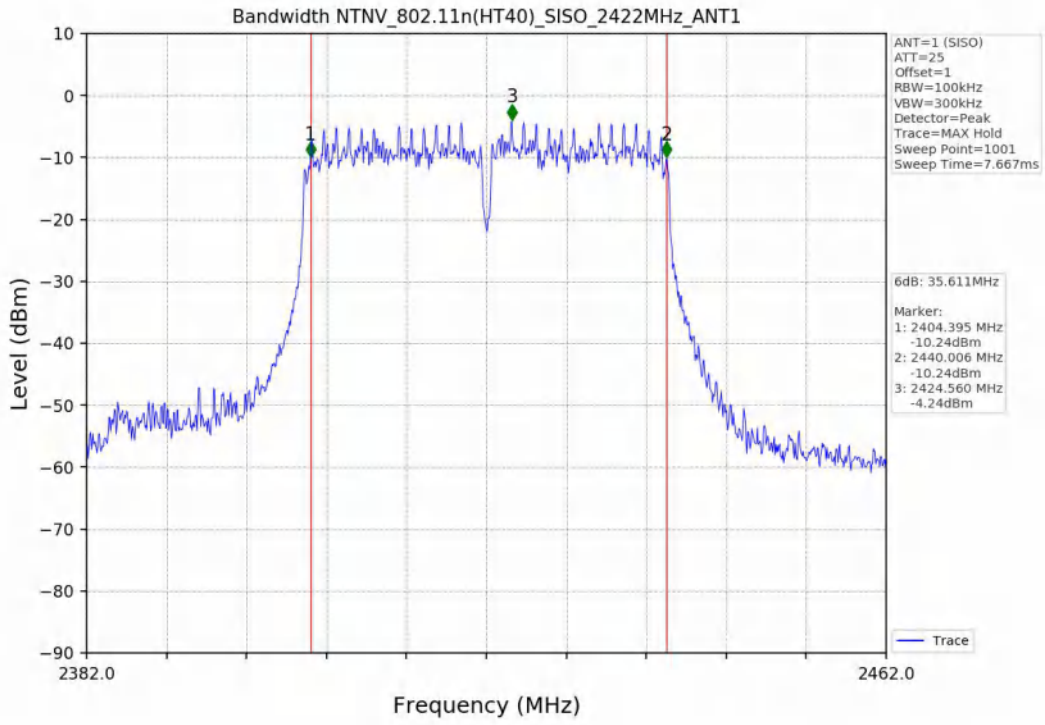

Bandwidth NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 16.361MHz
Marker:
1: 2428.797 MHz
-7.59dBm
2: 2445.158 MHz
-7.59dBm
3: 2430.760 MHz
-1.59dBm
Trace
Level (dBm)
Frequency (MHz)
2417.0
2457.0

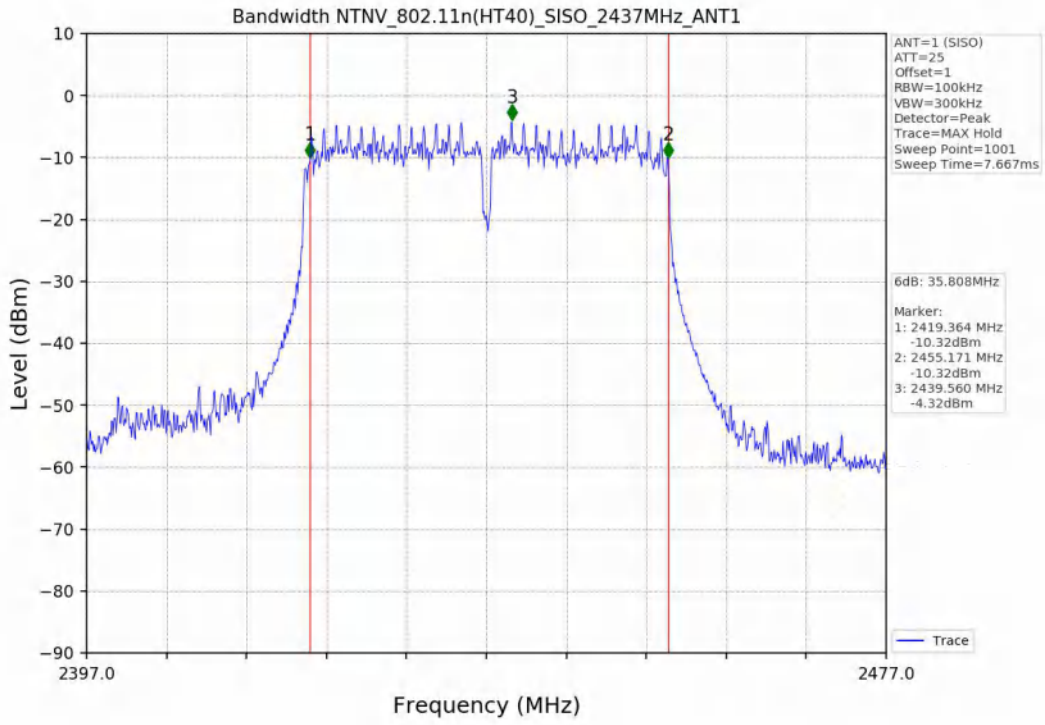

Bandwidth NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 16.452MHz
Marker:
1: 2453.778 MHz
-7.85dBm
2: 2470.230 MHz
-7.85dBm
3: 2455.760 MHz
-1.85dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0

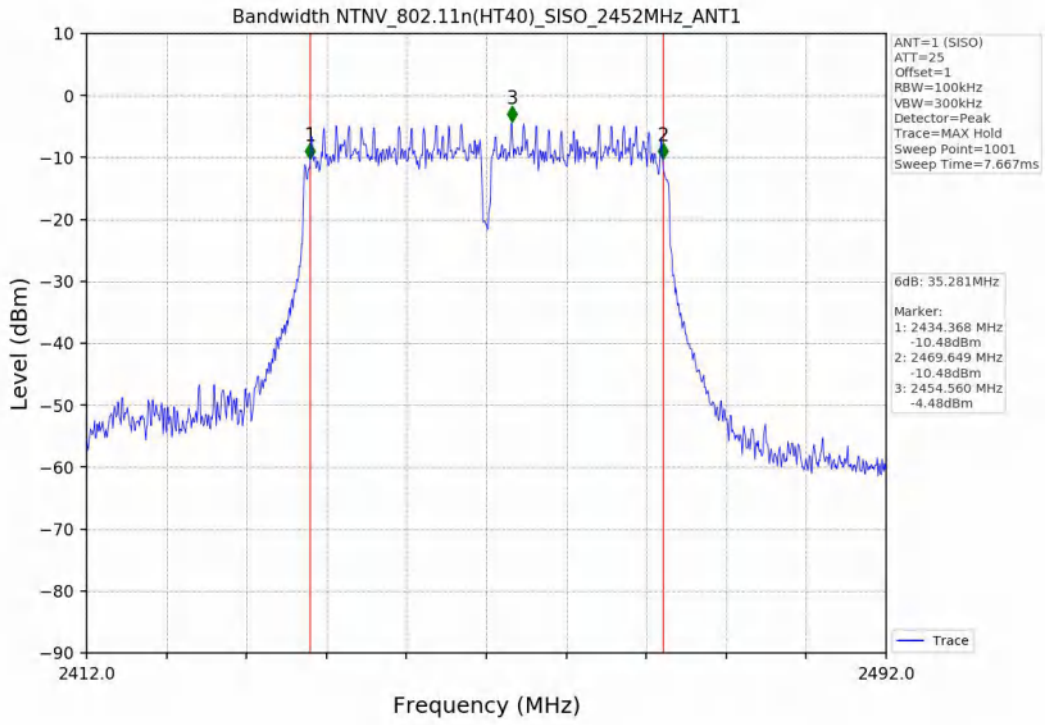

Bandwidth NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 17.335MHz
Marker:
1: 2403.524 MHz
-7.60dBm
2: 2420.859 MHz
-7.60dBm
3: 2417.000 MHz
-1.60dBm
Trace
Level (dBm)
Frequency (MHz)
2392.0
2432.0


Bandwidth NTNV_802.11n(HT20)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 16.964MHz
Marker:
1: 2428.809 MHz
-7.53dBm
2: 2445.772 MHz
-7.53dBm
3: 2430.760 MHz
-1.53dBm
Trace
Level (dBm)
Frequency (MHz)
2417.0
2457.0

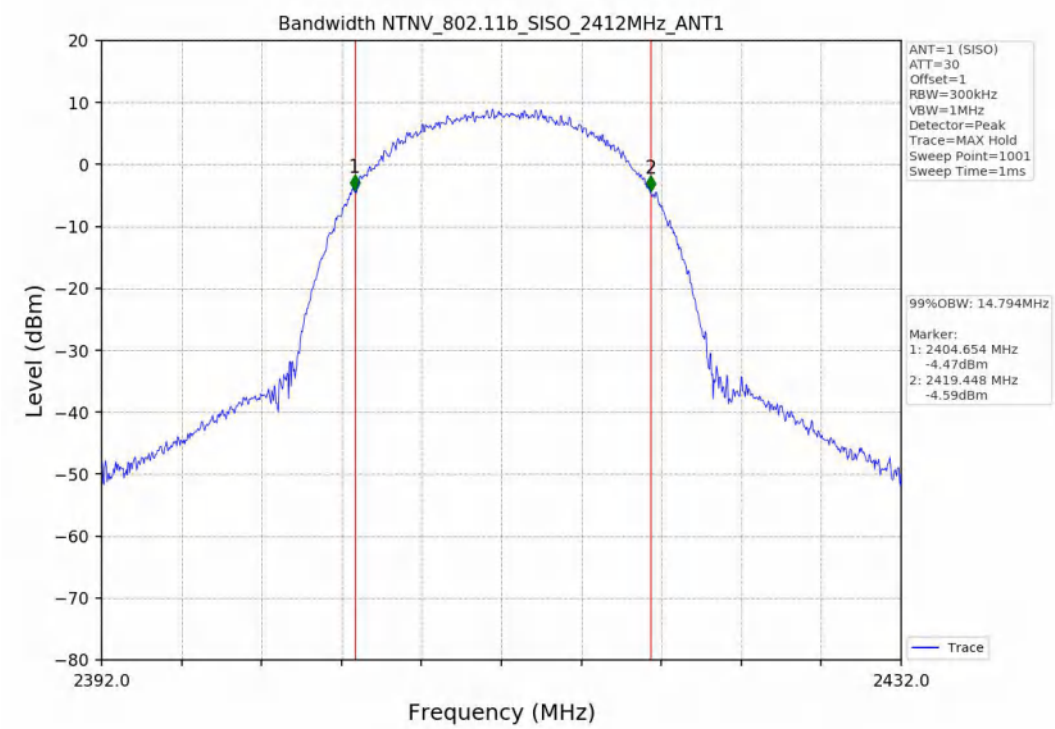

Bandwidth NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=3.867ms
6dB: 17.341MHz
Marker:
1: 2453.165 MHz
-7.82dBm
2: 2470.506 MHz
-7.82dBm
3: 2455.760 MHz
-1.82dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0

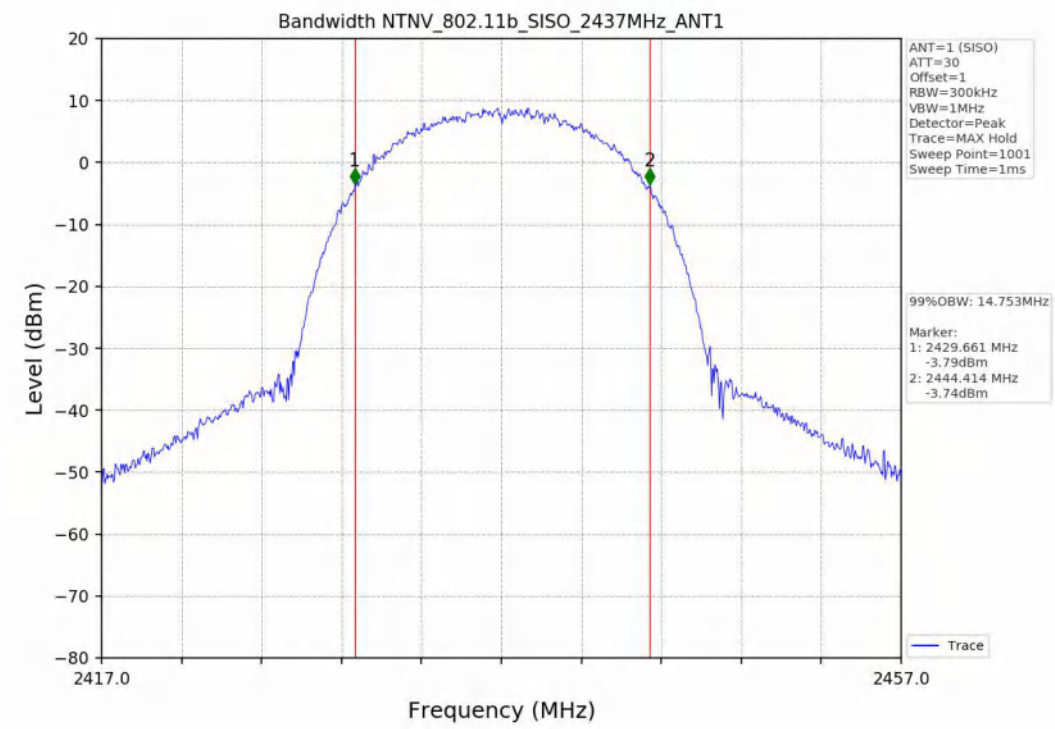

Bandwidth NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=7.667ms
6dB: 35.611MHz
Marker:
1: 2404.395 MHz
-10.24dBm
2: 2440.006 MHz
-10.24dBm
3: 2424.560 MHz
-4.24dBm
Trace
Level (dBm)
Frequency (MHz)
2382.0
2462.0

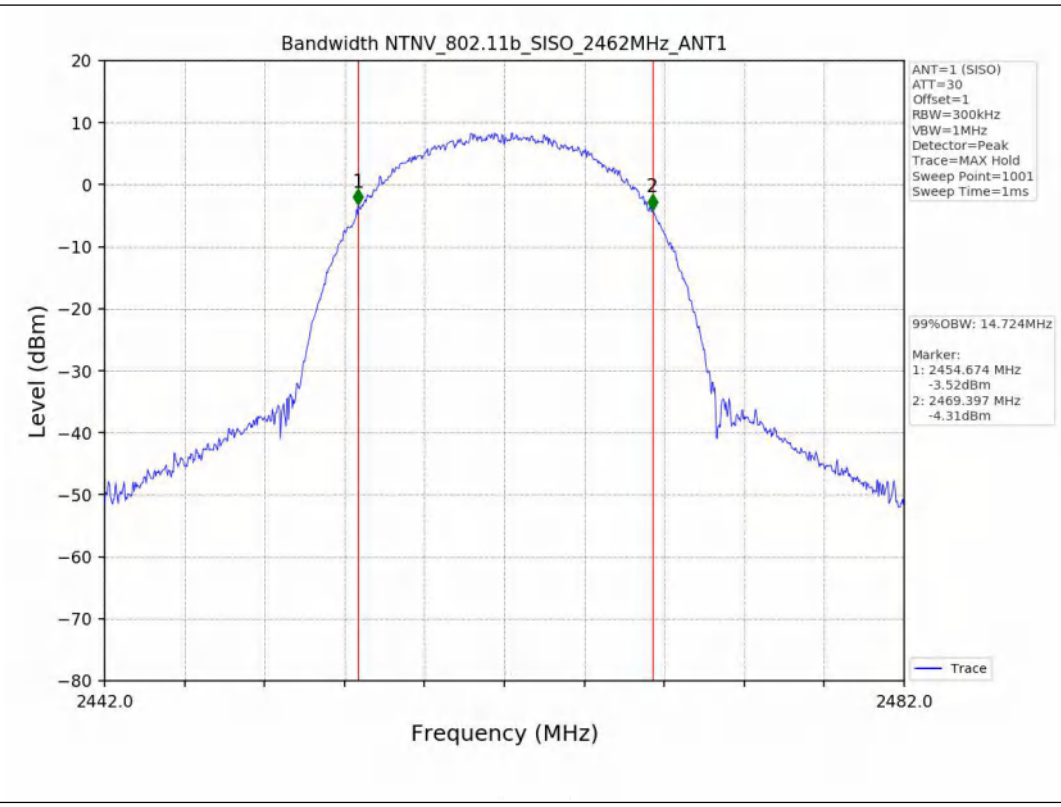

Bandwidth NTNV_802.11n(HT40)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=7.667ms
6dB: 35.808MHz
Marker:
1: 2419.364 MHz
-10.32dBm
2: 2455.171 MHz
-10.32dBm
3: 2439.560 MHz
-4.32dBm
Trace
Level (dBm)
Frequency (MHz)
2397.0
2477.0

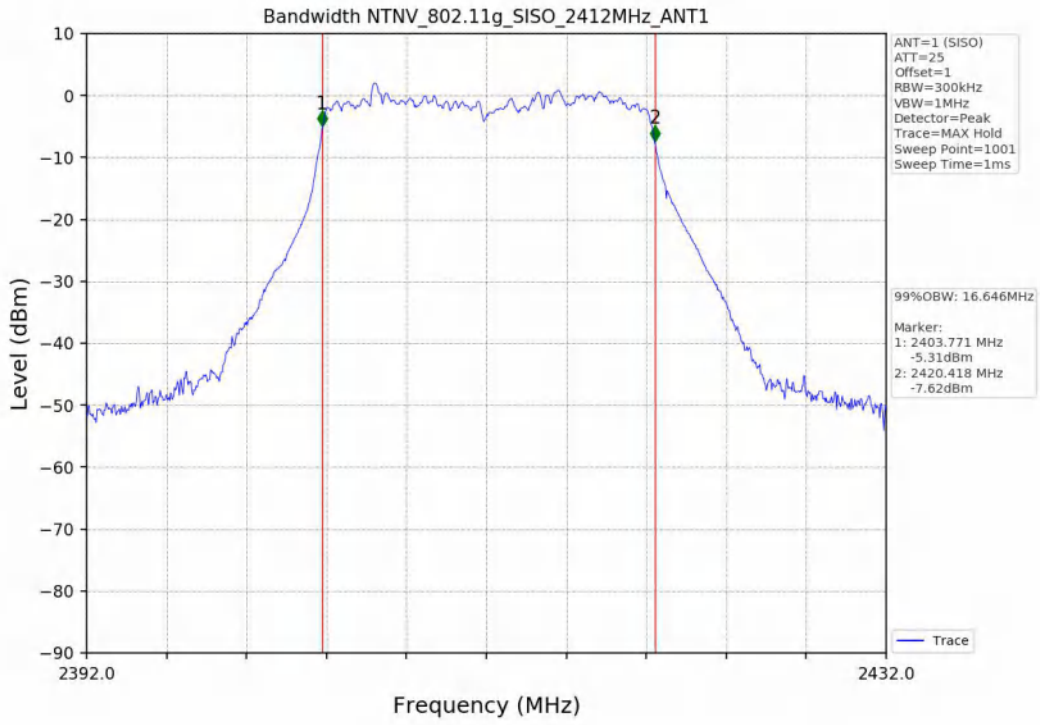

Bandwidth NTNV_802.11n(HT40)_SISO_2452MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=7.667ms
6dB: 35.281MHz
Marker:
1: 2434.368 MHz
-10.48dBm
2: 2469.649 MHz
-10.48dBm
3: 2454.560 MHz
-4.48dBm
Trace
Level (dBm)
Frequency (MHz)
2412.0
2492.0

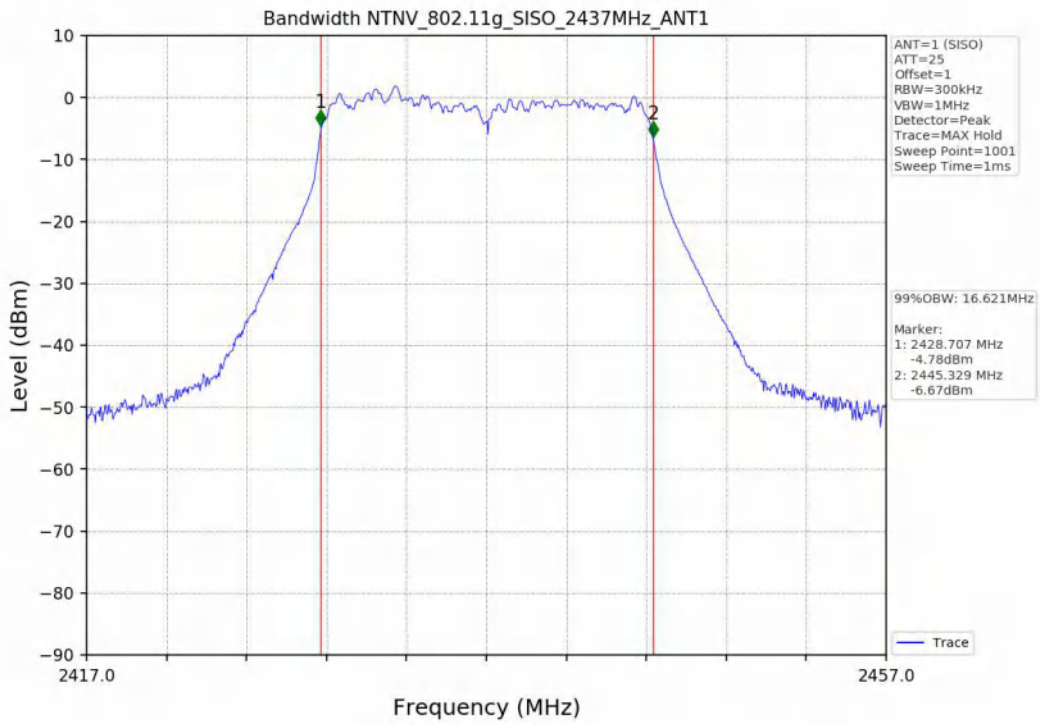
1.3 Test Graph - 99% Occupied Bandwidth

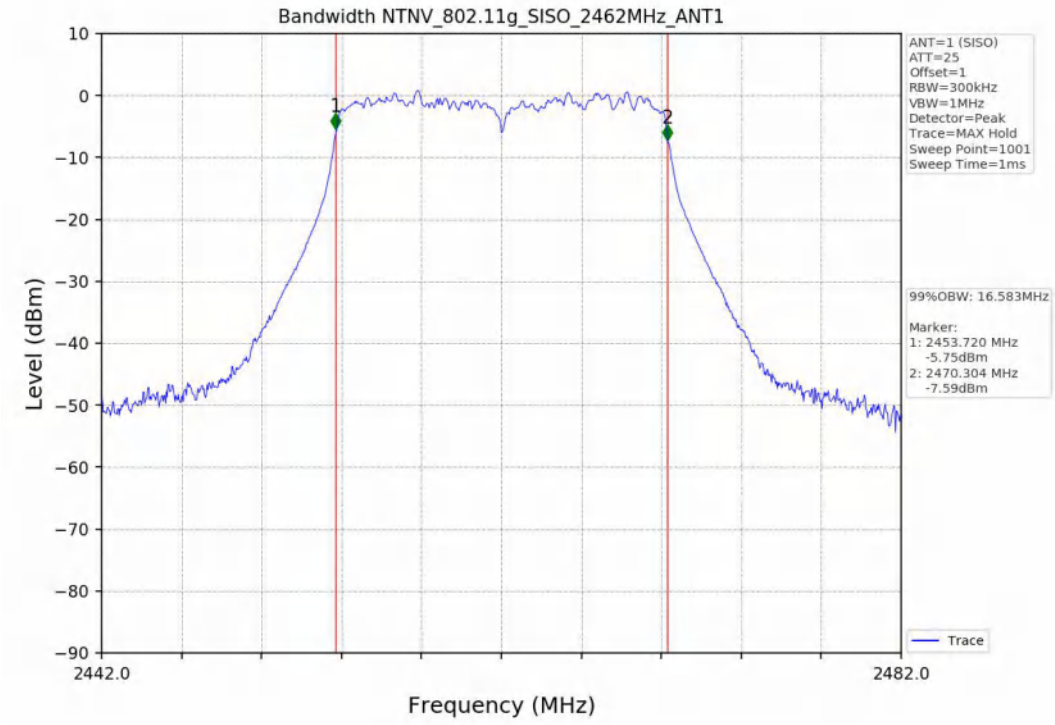


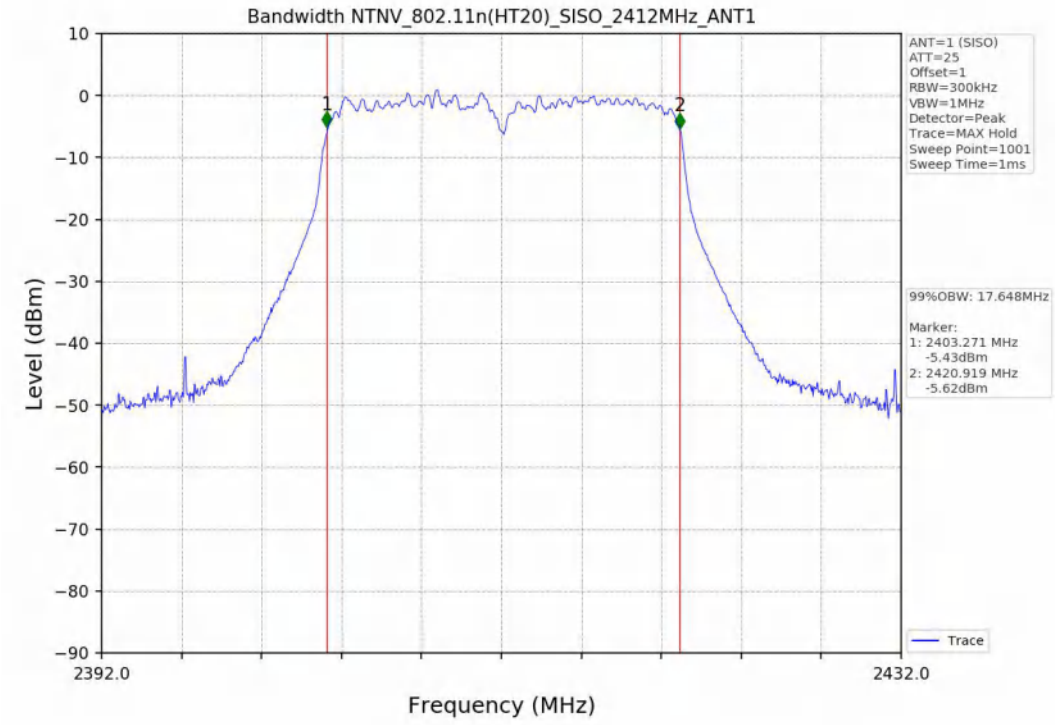


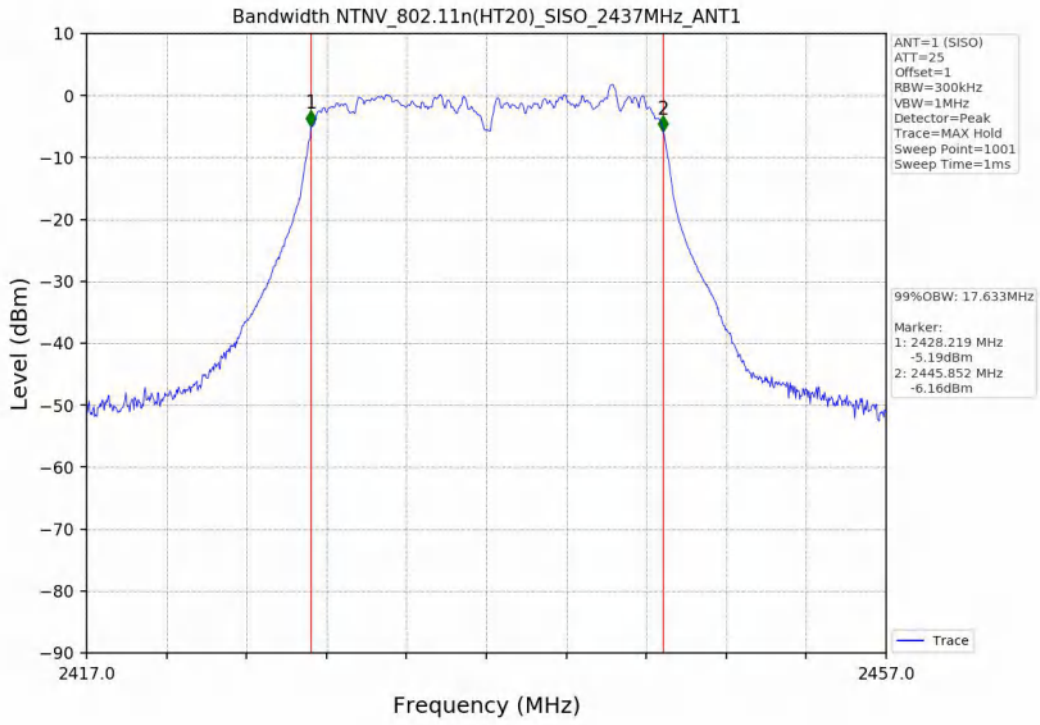

Bandwidth NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 14.724MHz
Marker:
1: 2454.674 MHz
-3.52dBm
2: 2469.397 MHz
-4.31dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
1
2

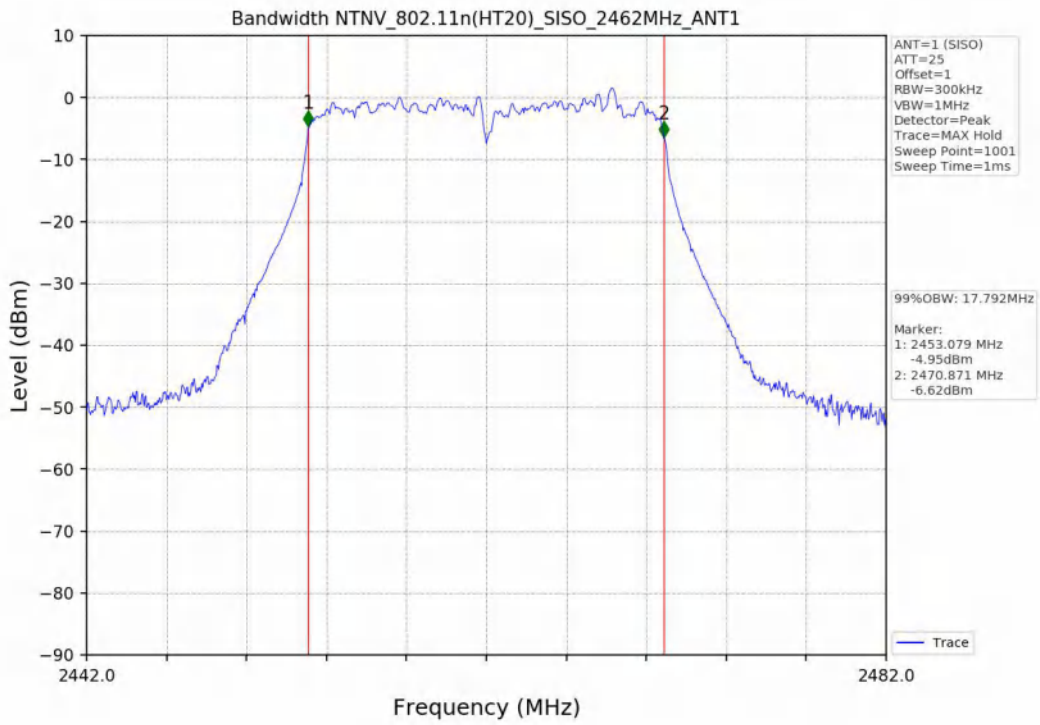

Bandwidth NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 16.646MHz
Marker:
1: 2403.771 MHz
-5.31dBm
2: 2420.418 MHz
-7.62dBm
Trace
Level (dBm)
Frequency (MHz)
2392.0
2432.0

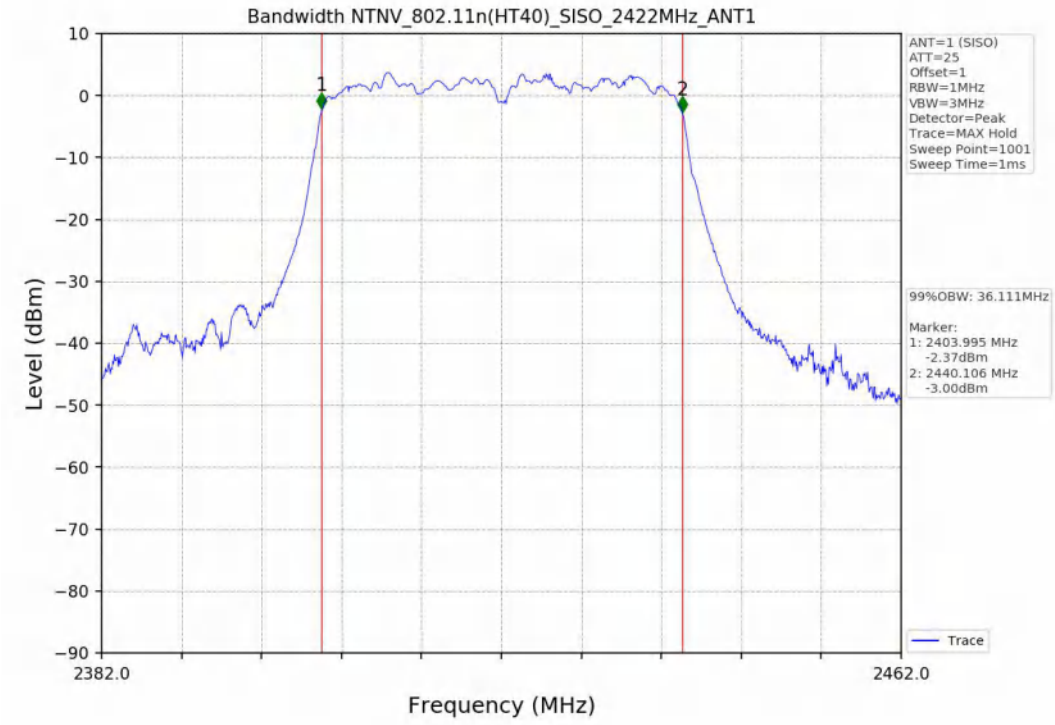

Bandwidth NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 16.621MHz
Marker:
1: 2428.707 MHz
-4.78dBm
2: 2445.329 MHz
-6.67dBm
Trace
Level (dBm)
Frequency (MHz)
2417.0
2457.0

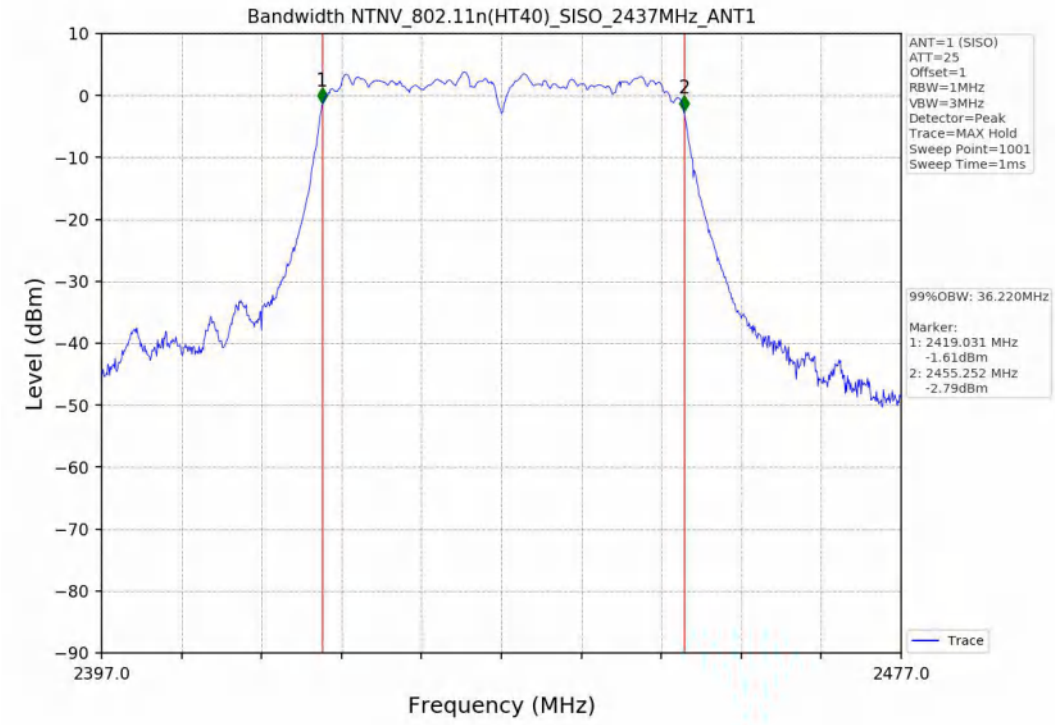

Bandwidth NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 16.583MHz
Marker:
1: 2453.720 MHz
-5.75dBm
2: 2470.304 MHz
-7.59dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0

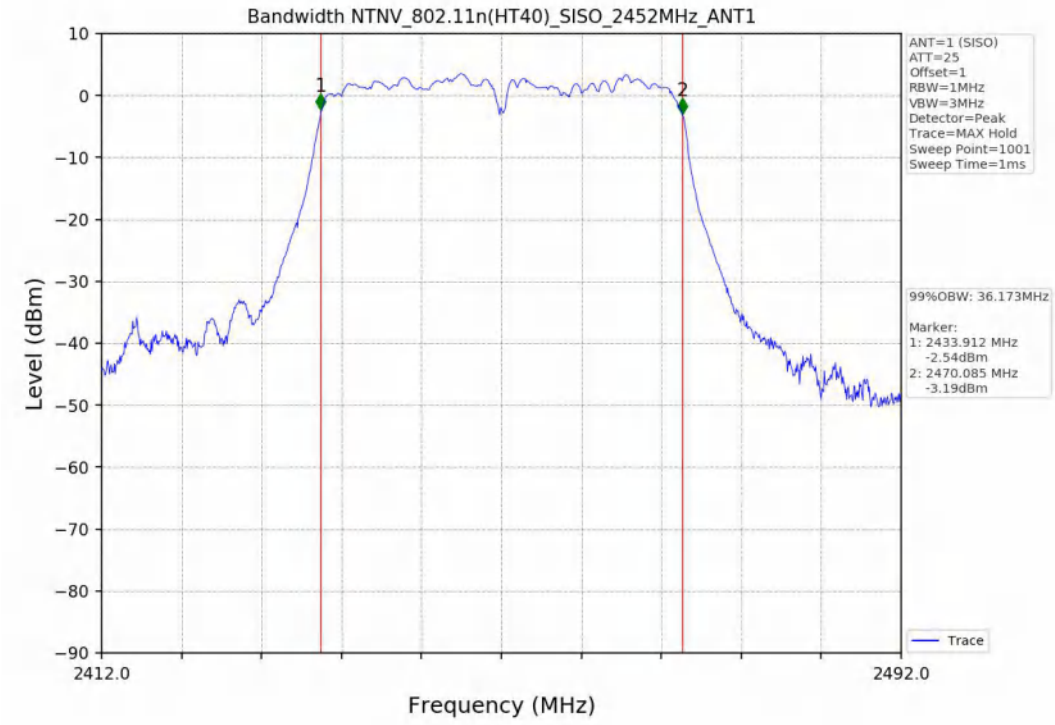

Bandwidth NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.648MHz
Marker:
1: 2403.271 MHz
-5.43dBm
2: 2420.919 MHz
-5.62dBm
Trace
Level (dBm)
Frequency (MHz)
2392.0
2432.0


Bandwidth NTNV_802.11n(HT20)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.633MHz
Marker:
1: 2428.219 MHz
-5.19dBm
2: 2445.852 MHz
-6.16dBm
Trace
Level (dBm)
Frequency (MHz)
2417.0
2457.0


Bandwidth NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=300kHz
VBW=1MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.792MHz
Marker:
1: 2453.079 MHz
-4.95dBm
2: 2470.871 MHz
-6.62dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2482.0


Bandwidth NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.111MHz
Marker:
1: 2403.995 MHz
-2.37dBm
2: 2440.106 MHz
-3.00dBm
Trace
Level (dBm)
Frequency (MHz)
2382.0
2462.0


Bandwidth NTNV_802.11n(HT40)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.220MHz
Marker:
1: 2419.031 MHz
-1.61dBm
2: 2455.252 MHz
-2.79dBm
Trace
Level (dBm)
Frequency (MHz)
2397.0
2477.0

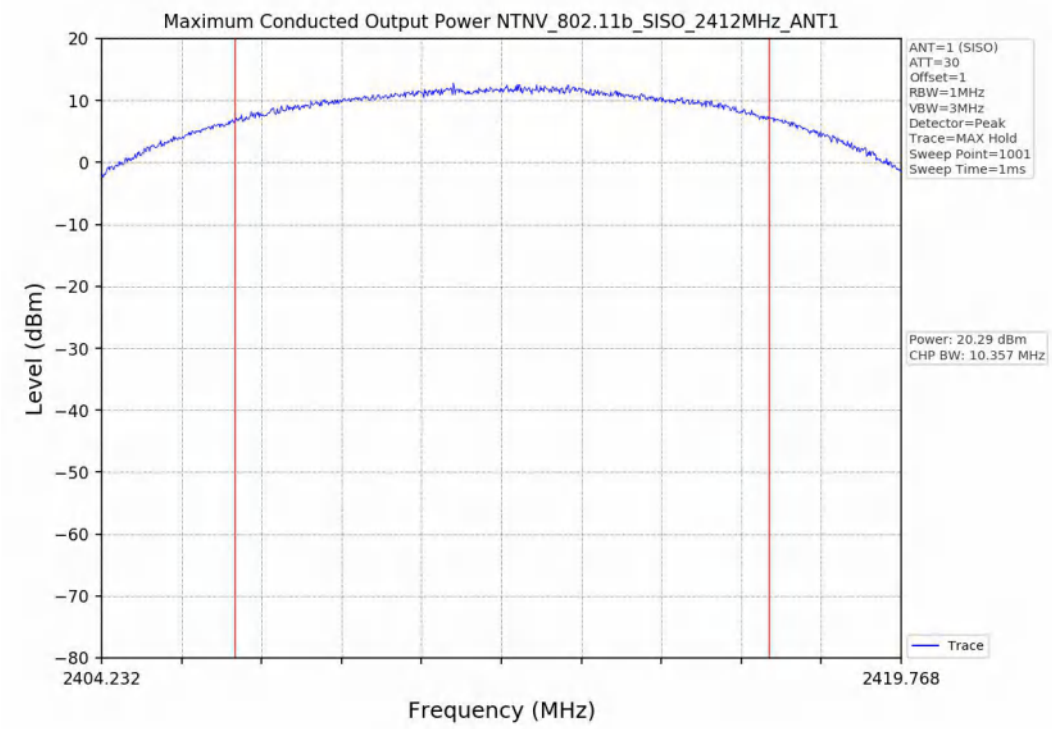


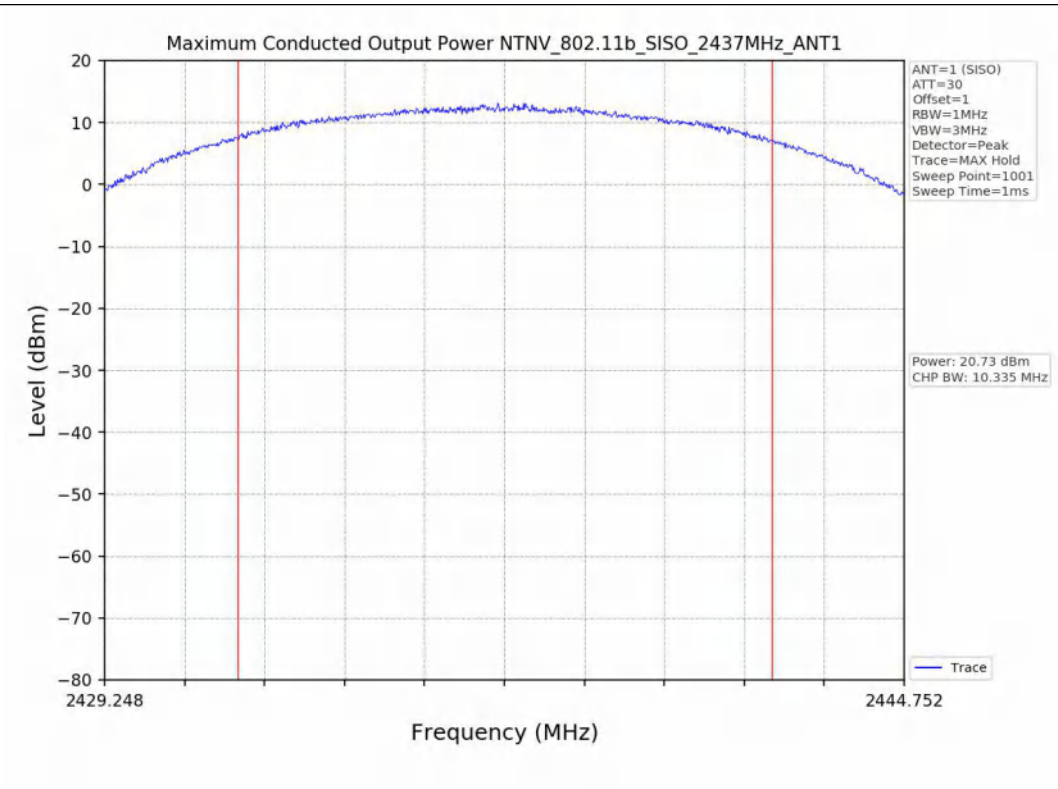
2. Maximum Conducted Output Power

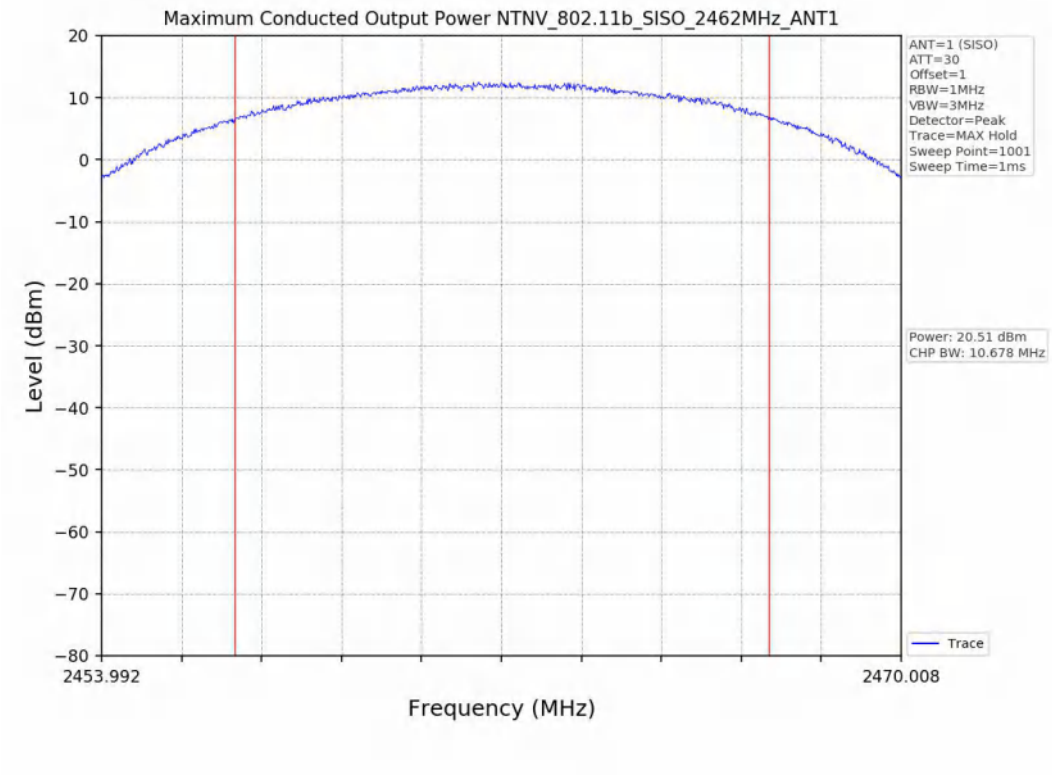
2.1 Test Result

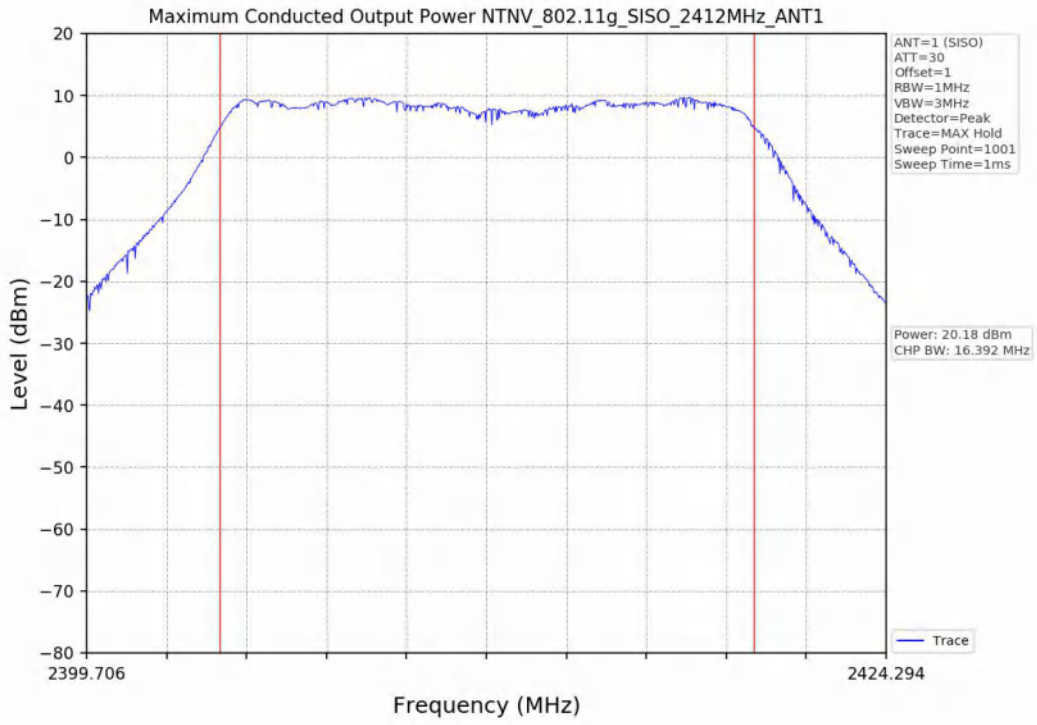
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	20.29	30	PASS
	2437	SISO	20.73	30	PASS
	2462	SISO	20.51	30	PASS
802.11g	2412	SISO	20.18	30	PASS
	2437	SISO	20.92	30	PASS
	2462	SISO	20.49	30	PASS
802.11n(HT20)	2412	SISO	19.30	30	PASS
	2437	SISO	19.27	30	PASS
	2462	SISO	19.30	30	PASS
802.11n(HT40)	2422	SISO	19.88	30	PASS
	2437	SISO	19.45	30	PASS
	2452	SISO	19.33	30	PASS

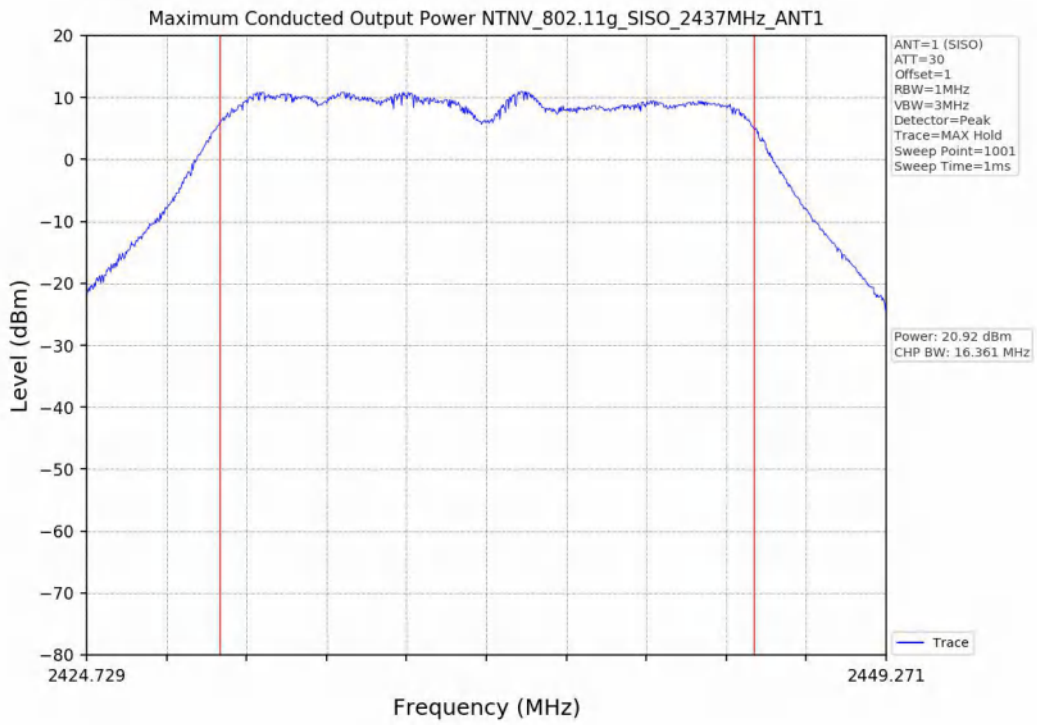
2.2 Test Graph

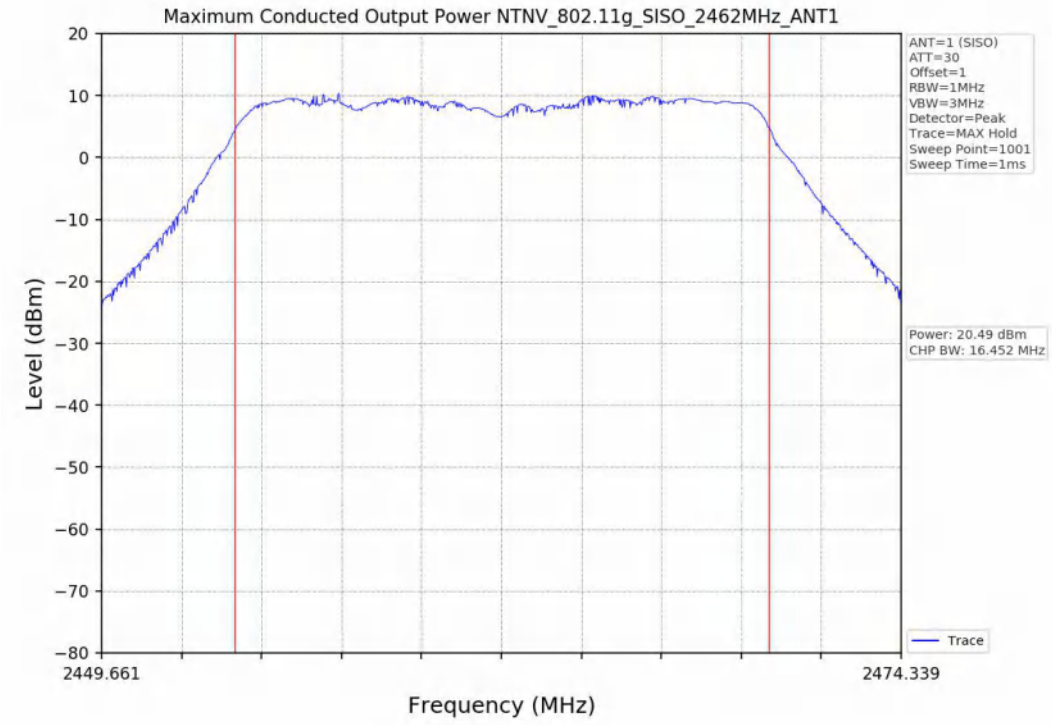


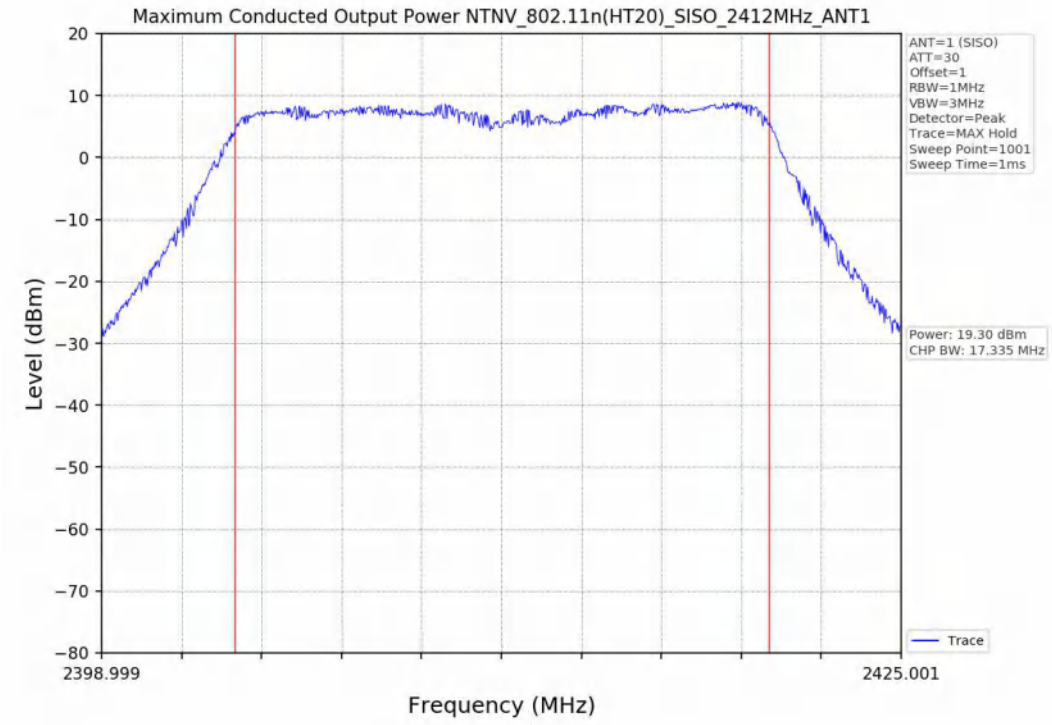


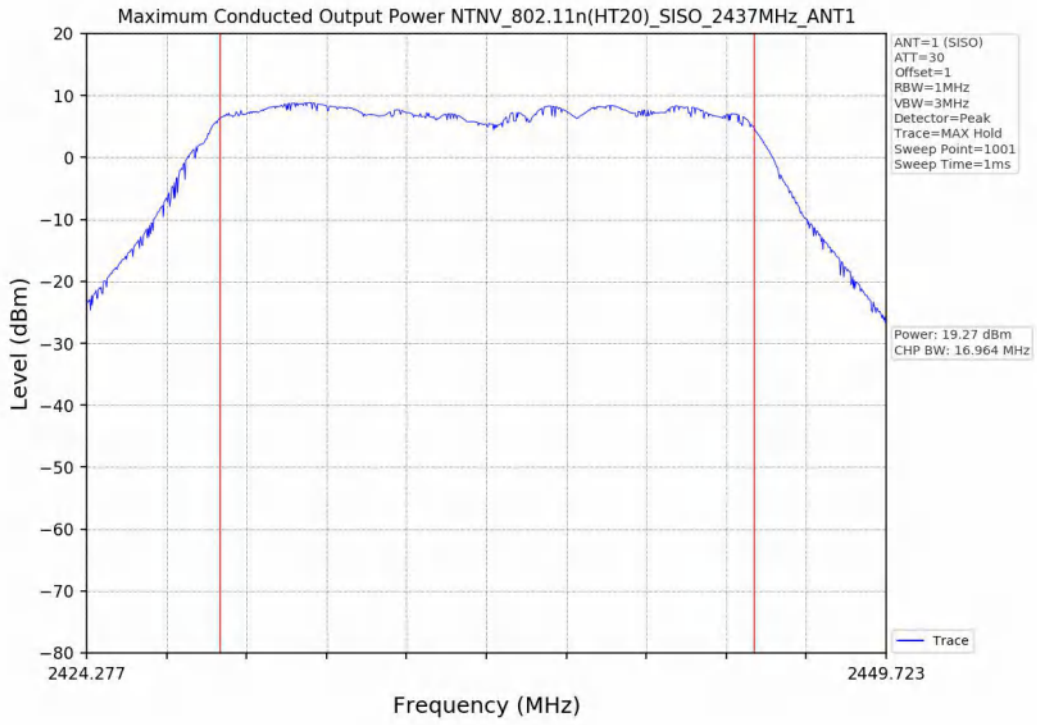

Maximum Conducted Output Power NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 20.51 dBm
CHP BW: 10.678 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2453.992
2470.008
Frequency (MHz)

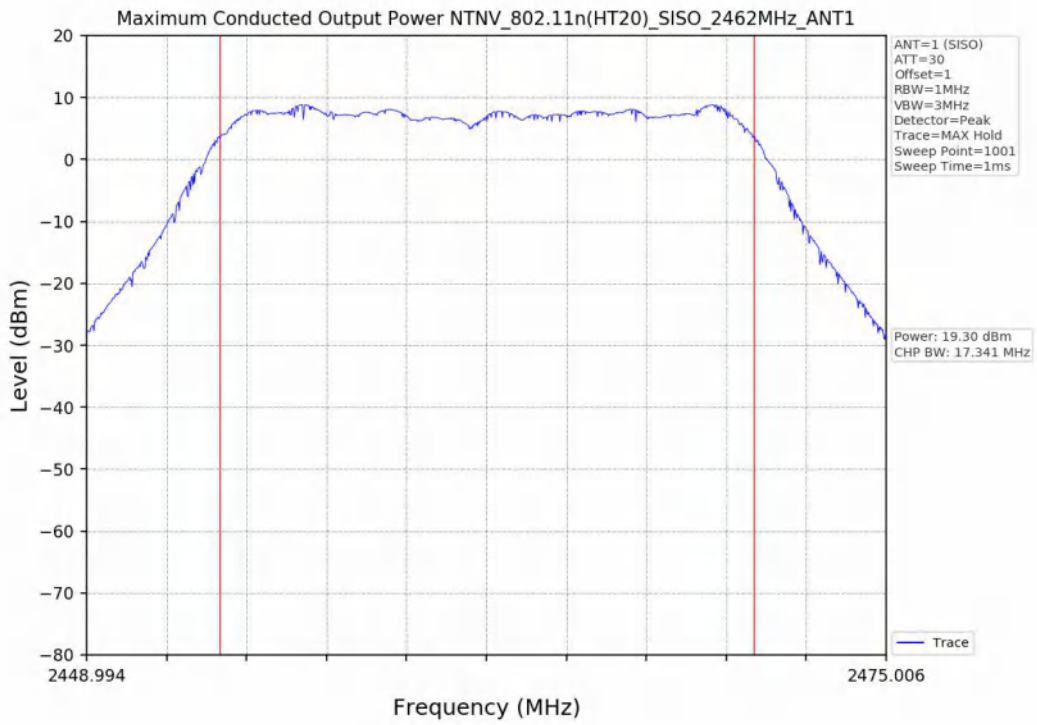

Maximum Conducted Output Power NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 20.18 dBm
CHP BW: 16.392 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2399.706
2424.294
Frequency (MHz)

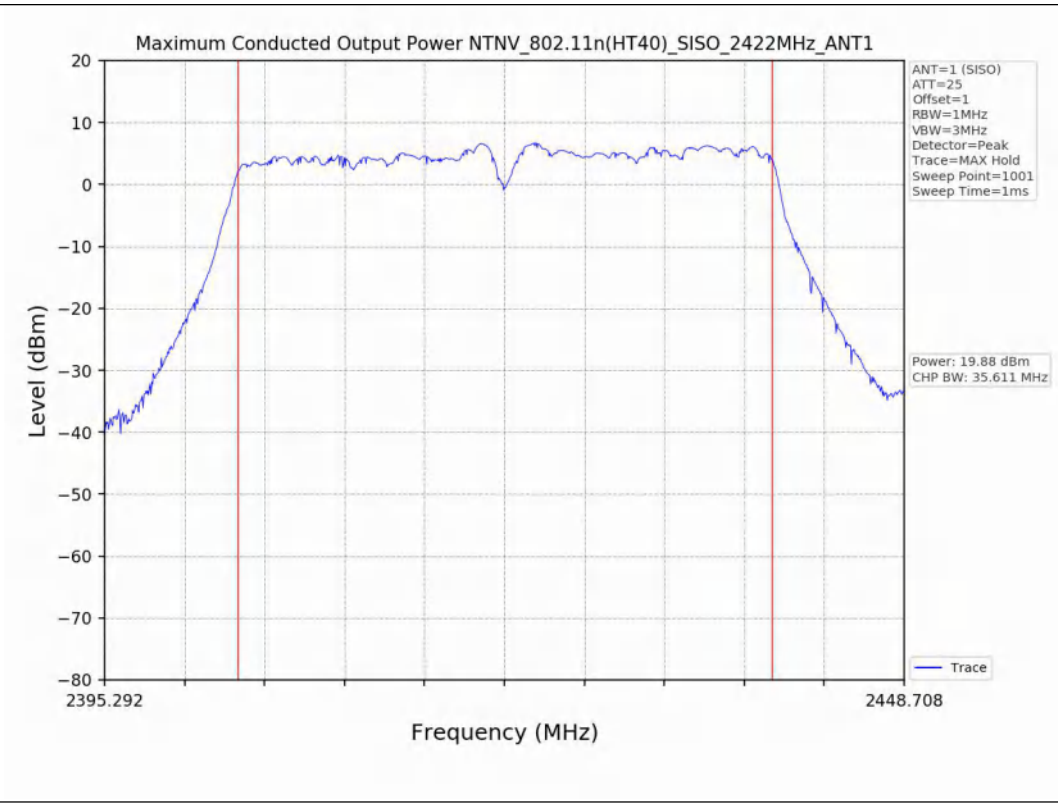

Maximum Conducted Output Power NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 20.92 dBm
CHP BW: 16.361 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2424.729
2449.271
Frequency (MHz)

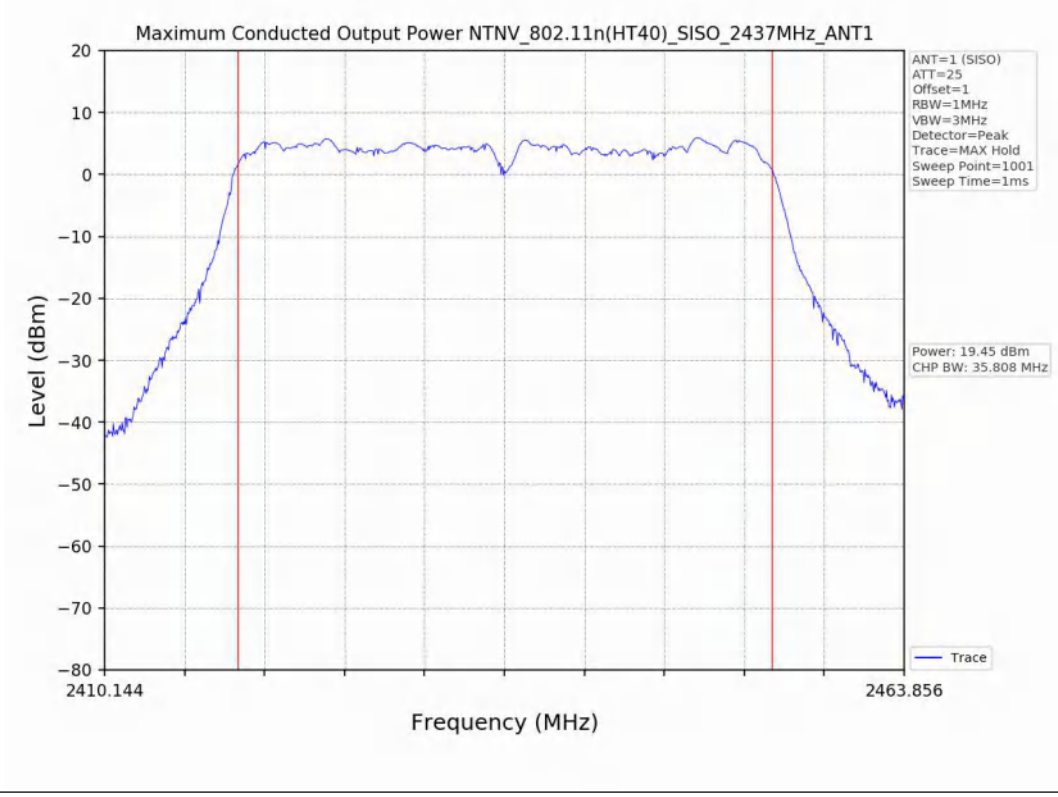

Maximum Conducted Output Power NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 20.49 dBm
CHP BW: 16.452 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2449.661
2474.339
Frequency (MHz)

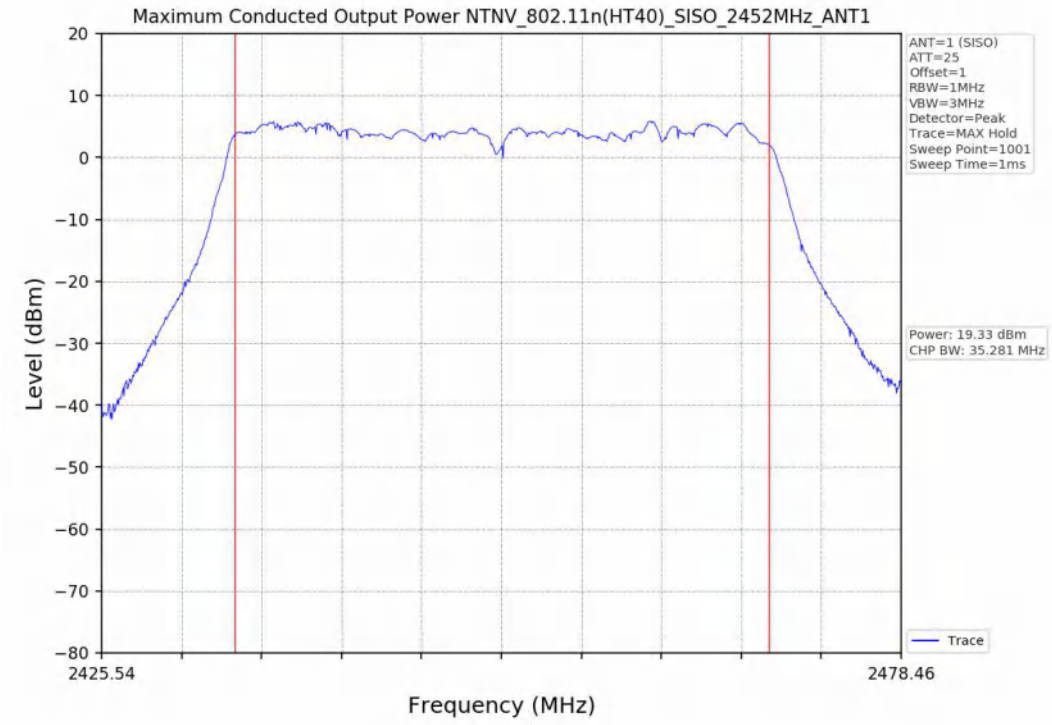

Maximum Conducted Output Power NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 19.30 dBm
CHP BW: 17.335 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2398.999
2425.001
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11n(HT20)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 19.27 dBm
CHP BW: 16.964 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2424.277
2449.723
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 19.30 dBm
CHP BW: 17.341 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2448.994
2475.006
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 19.88 dBm
CHP BW: 35.611 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2395.292
2448.708
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11n(HT40)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
Power: 19.45 dBm
CHP BW: 35.808 MHz
Trace
Level (dBm)
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
2410.144
2463.856
Frequency (MHz)

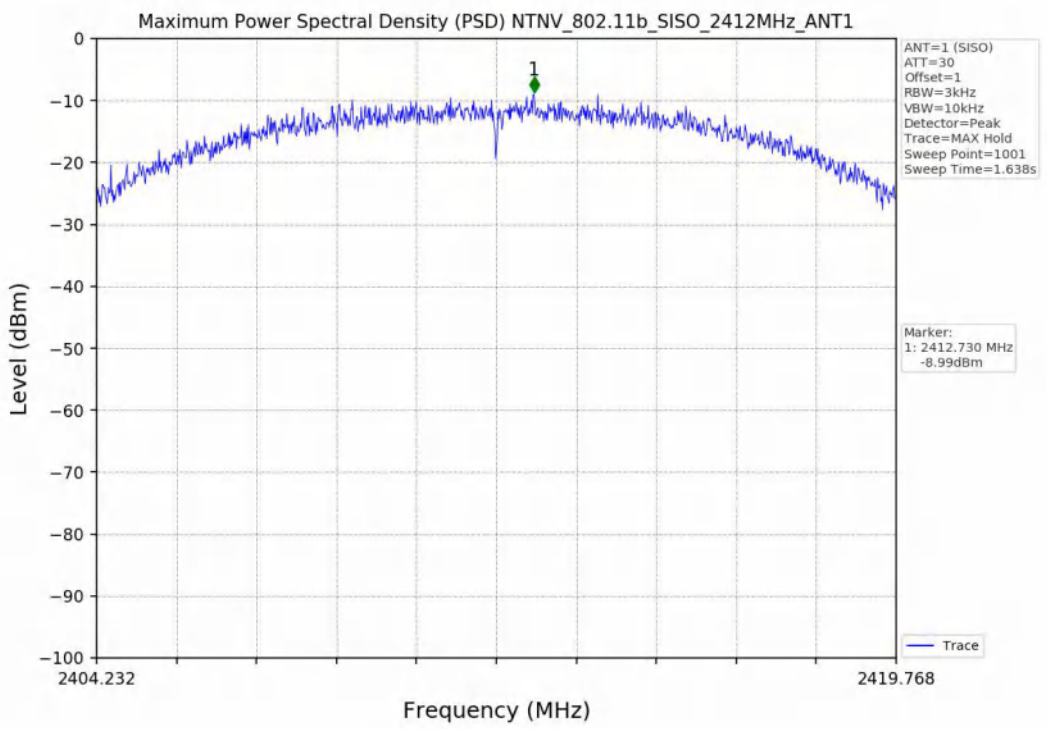


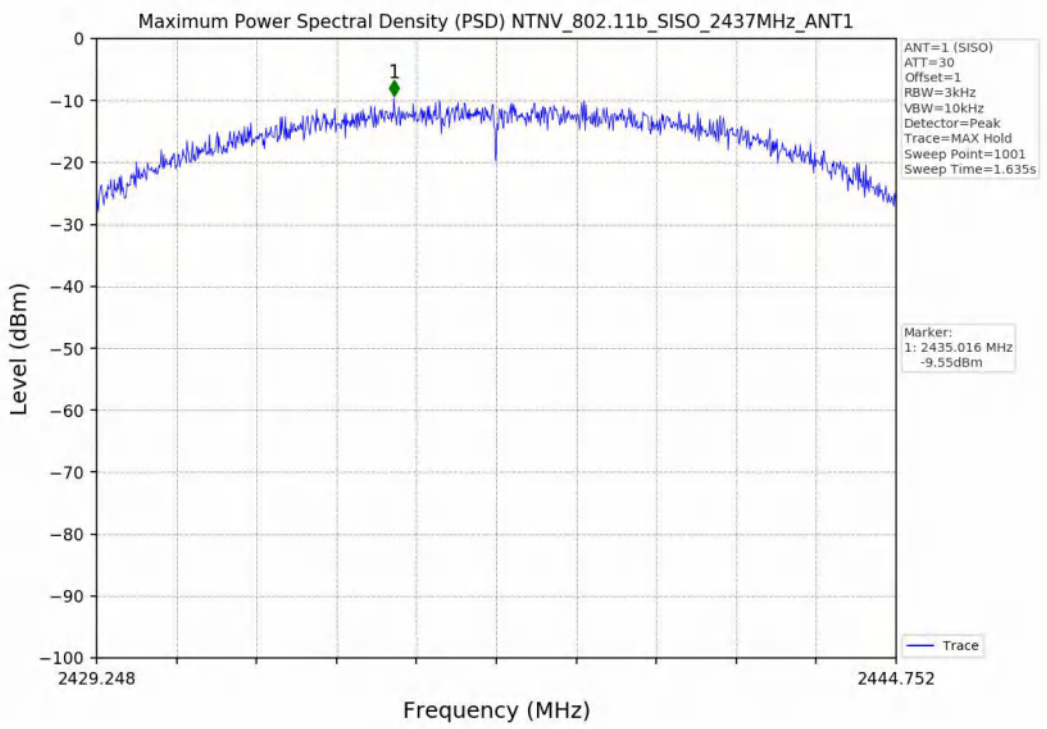
3. Maximum Power Spectral Density (PSD)

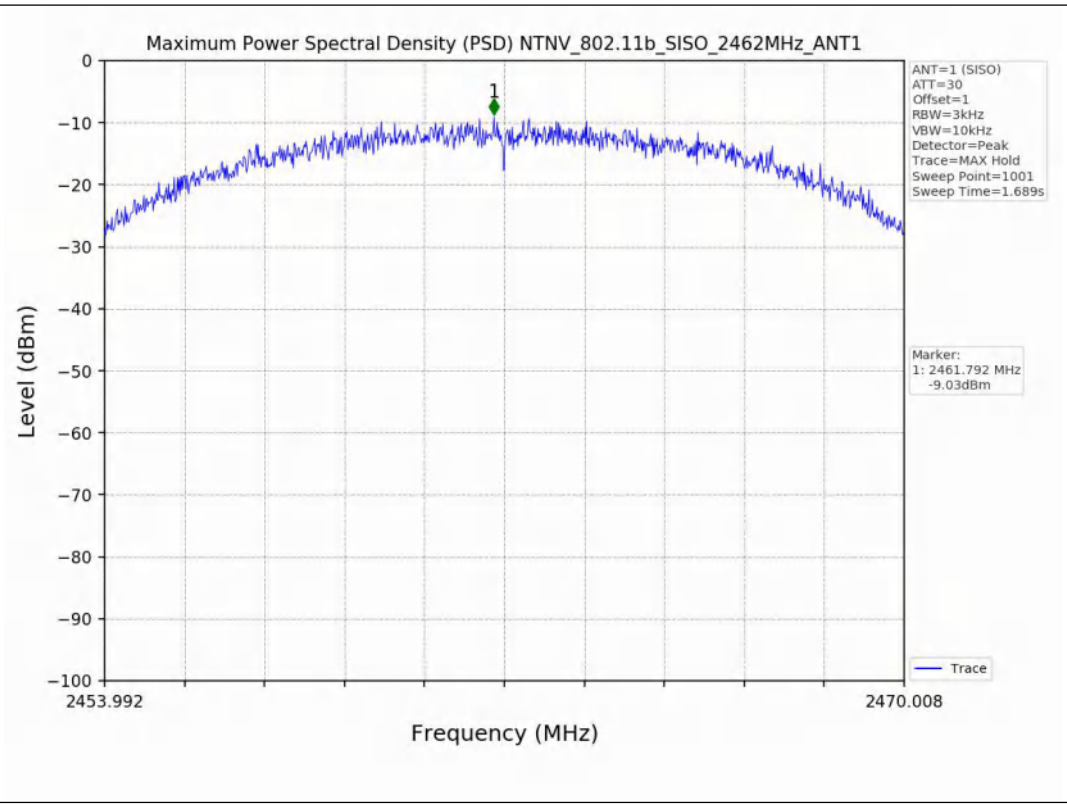
3.1 Test Result

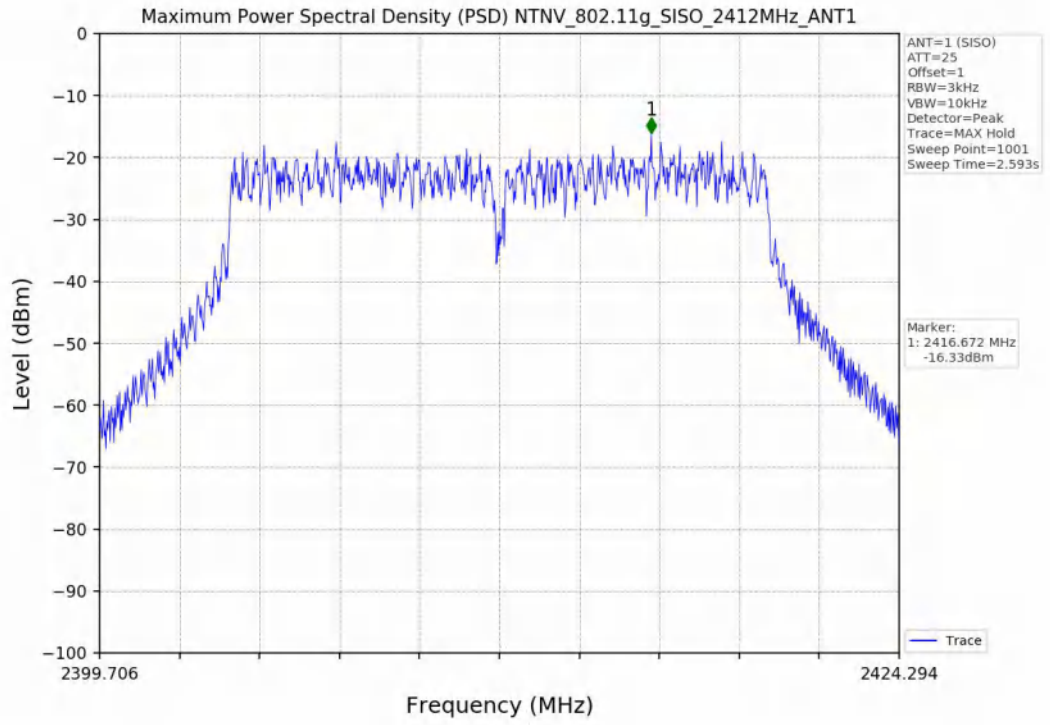
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-8.99	≤8	PASS
	2437	SISO	-9.55	≤8	PASS
	2462	SISO	-9.03	≤8	PASS
802.11g	2412	SISO	-16.33	≤8	PASS
	2437	SISO	-15.51	≤8	PASS
	2462	SISO	-15.67	≤8	PASS
802.11n(HT20)	2412	SISO	-17.27	≤8	PASS
	2437	SISO	-16.28	≤8	PASS
	2462	SISO	-16.89	≤8	PASS
802.11n(HT40)	2422	SISO	-18.28	≤8	PASS
	2437	SISO	-18.75	≤8	PASS
	2452	SISO	-19.08	≤8	PASS

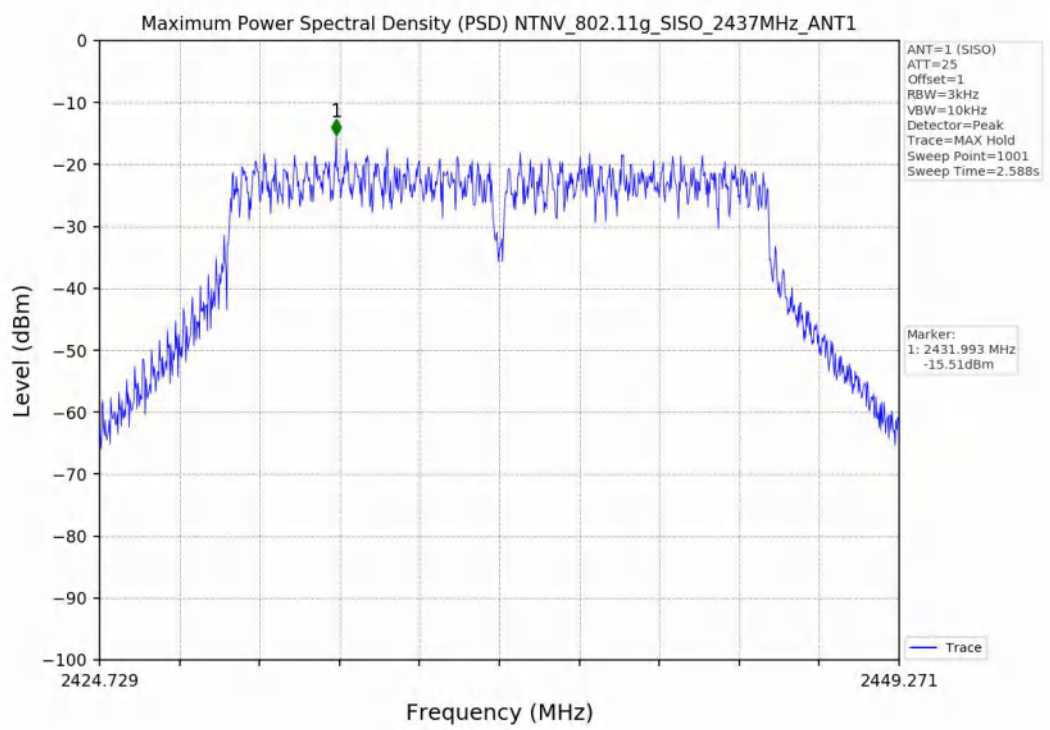
3.2 Test Graph

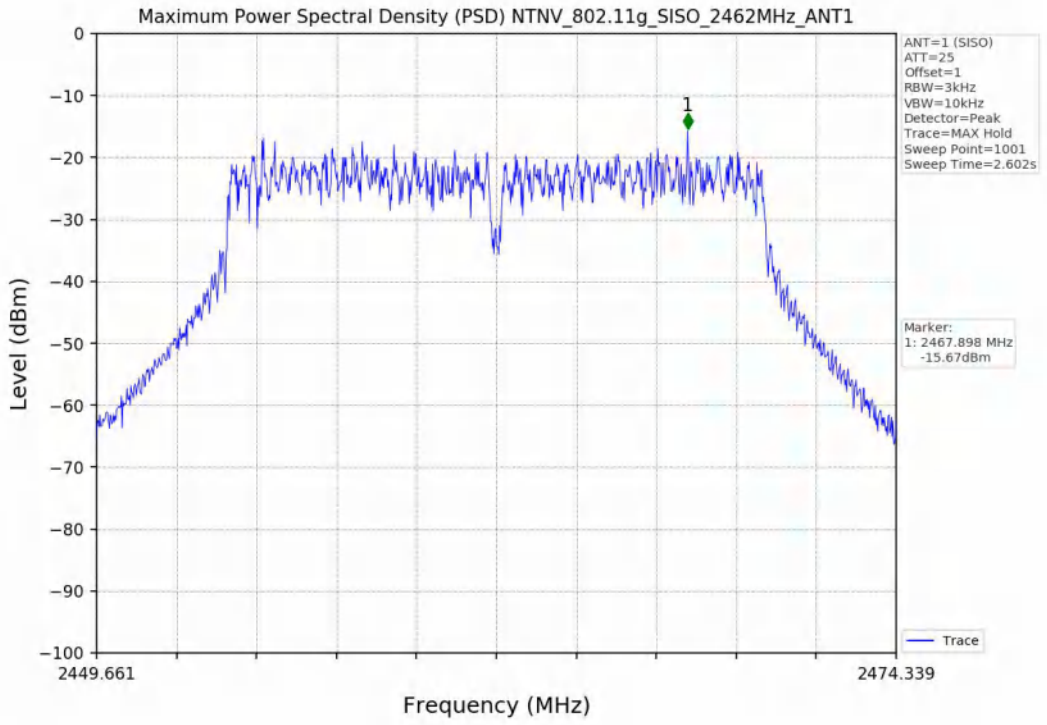


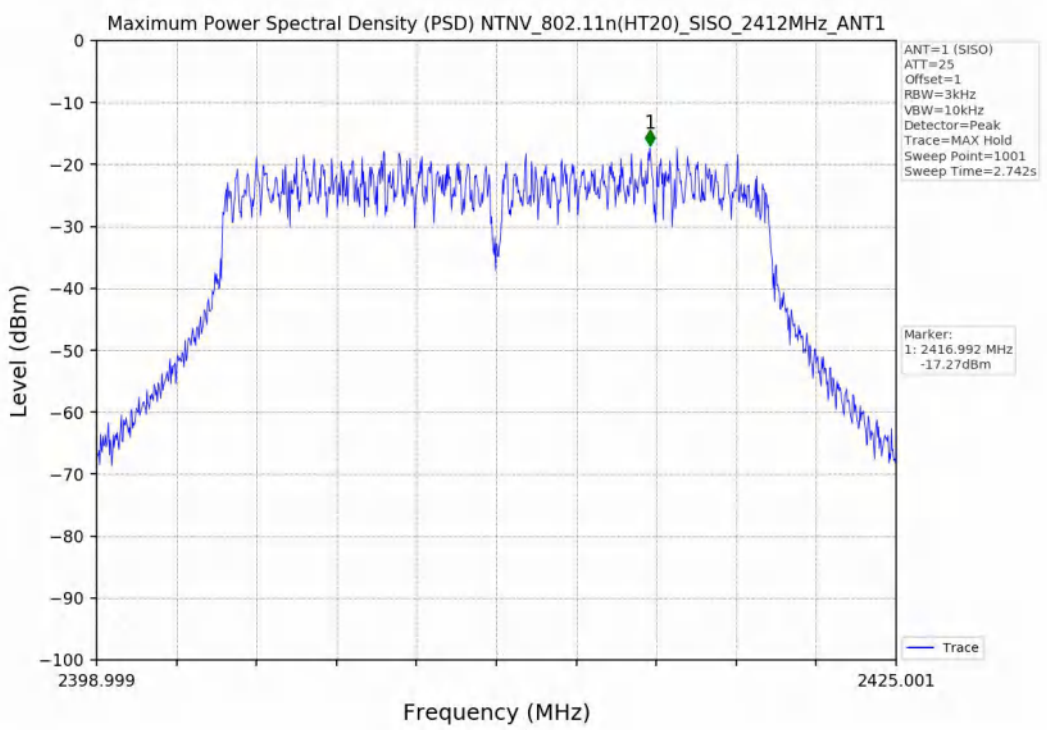


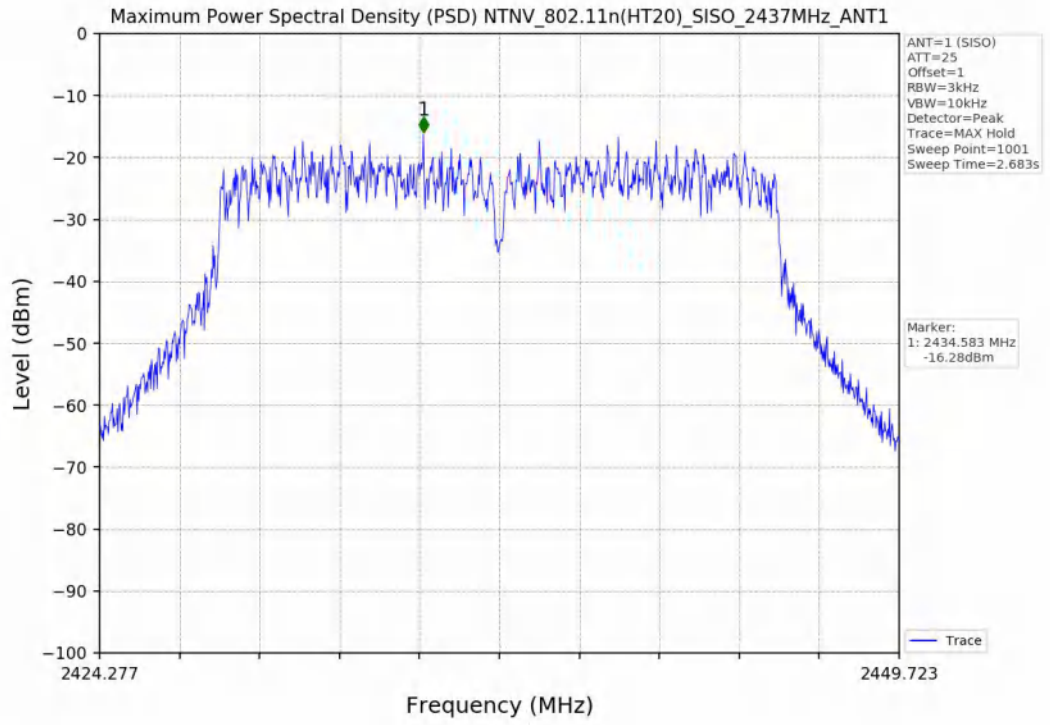

Maximum Power Spectral Density (PSD) NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.689s
Marker:
1: 2461.792 MHz
-9.03dBm
Trace
Level (dBm)
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
2453.992
2470.008
Frequency (MHz)

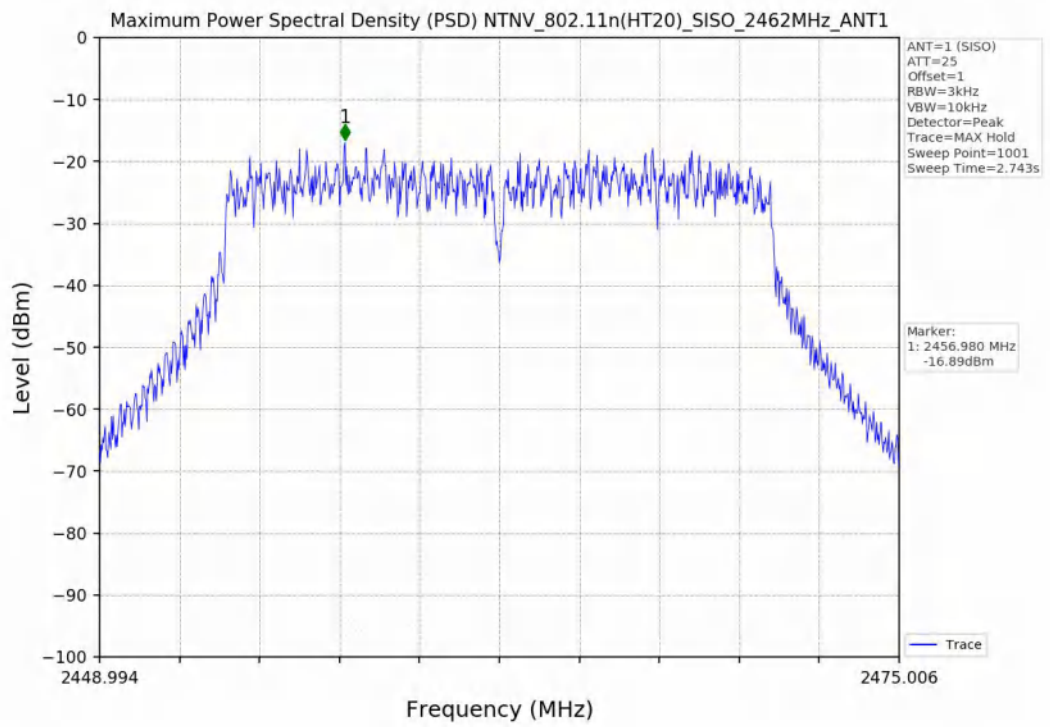

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.593s
Marker:
1: 2416.672 MHz
-16.33dBm
Trace
Level (dBm)
Frequency (MHz)
2399.706
2424.294

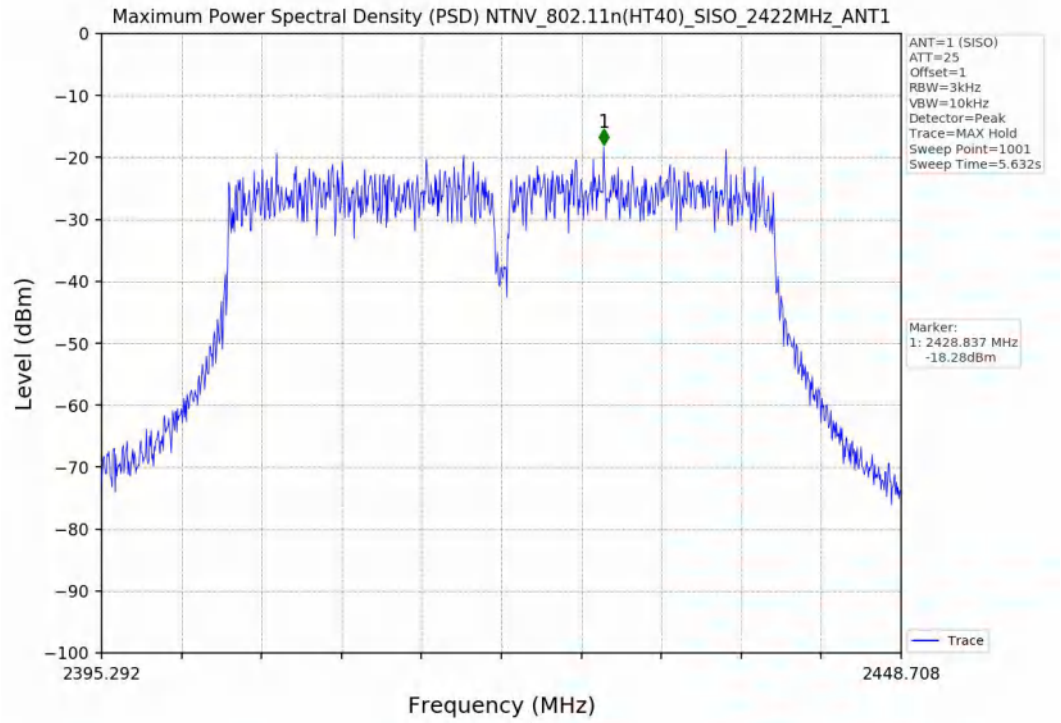

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.588s
Marker:
1: 2431.993 MHz
-15.51dBm
Trace
Level (dBm)
Frequency (MHz)
2424.729
2449.271

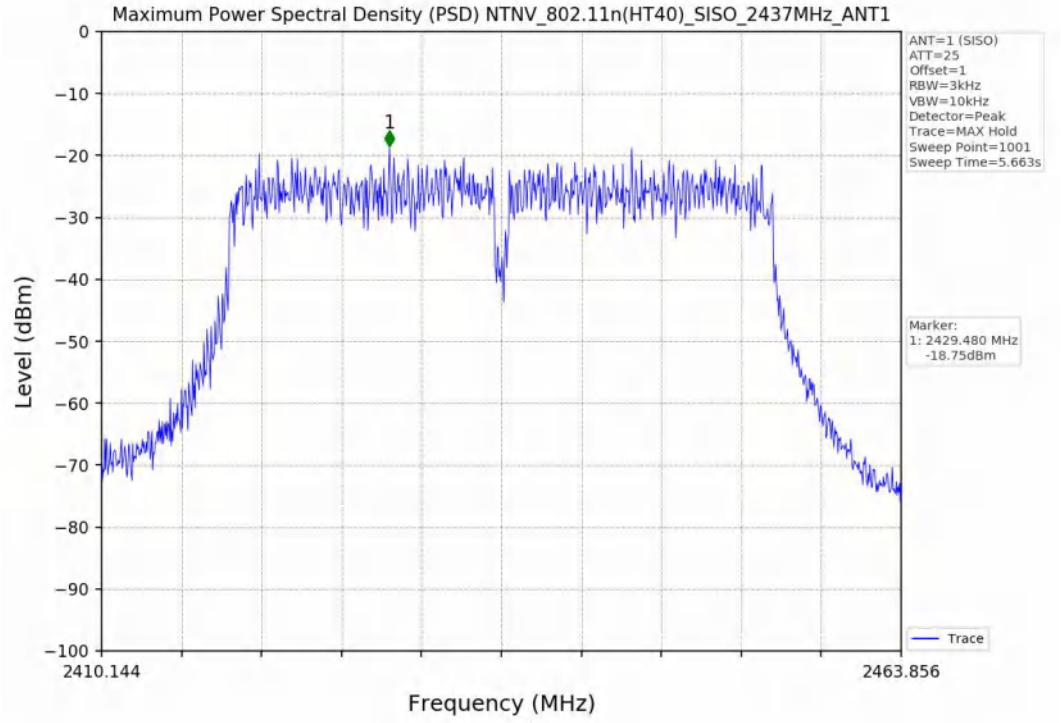

Maximum Power Spectral Density (PSD) NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.602s
Marker:
1: 2467.898 MHz
-15.67dBm
Trace
Level (dBm)
Frequency (MHz)
2449.661
2474.339

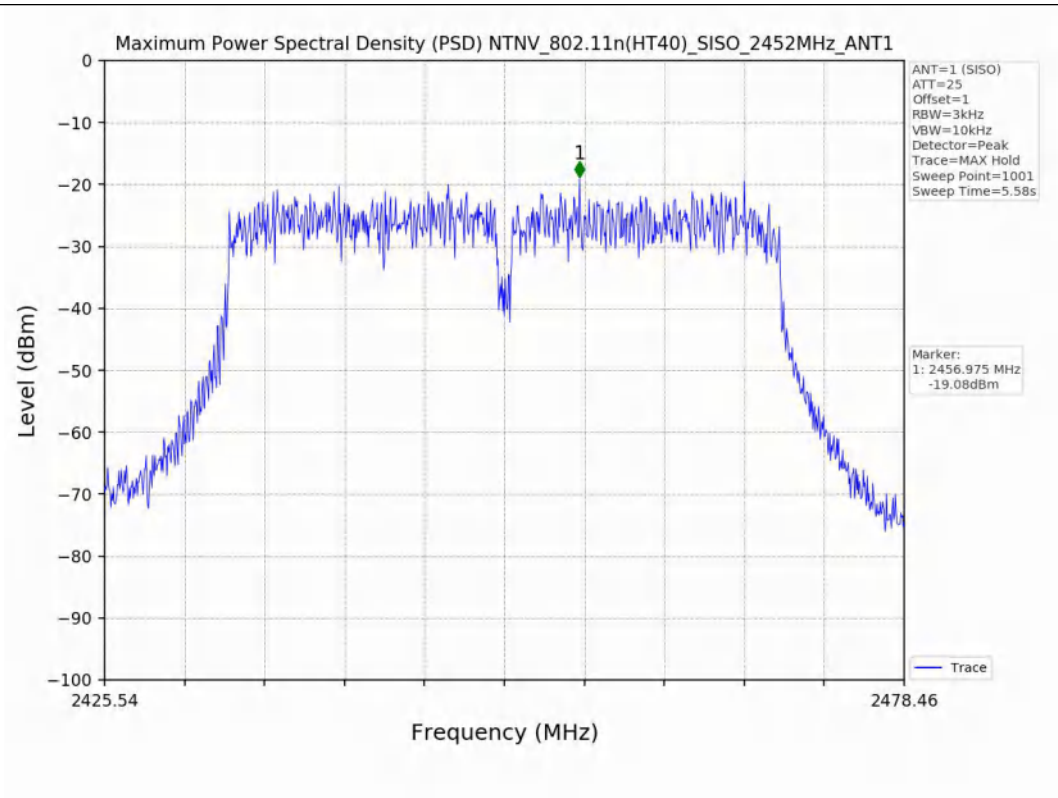

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.742s
Marker:
1: 2416.992 MHz
-17.27dBm
Trace
Level (dBm)
Frequency (MHz)
2398.999
2425.001


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.683s
Marker:
1: 2434.583 MHz
-16.28dBm
Trace
Level (dBm)
Frequency (MHz)
2424.277
2449.723


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.743s
Marker:
1: 2456.980 MHz
-16.89dBm
Trace
Level (dBm)
Frequency (MHz)
2448.994
2475.006


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.632s
Marker:
1: 2428.837 MHz
-18.28dBm
Trace
Level (dBm)
Frequency (MHz)
2395.292
2448.708


Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=3kHz
VBW=10kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=5.663s
Marker:
1: 2429.480 MHz
-18.75dBm
Trace
Level (dBm)
Frequency (MHz)
2410.144
2463.856



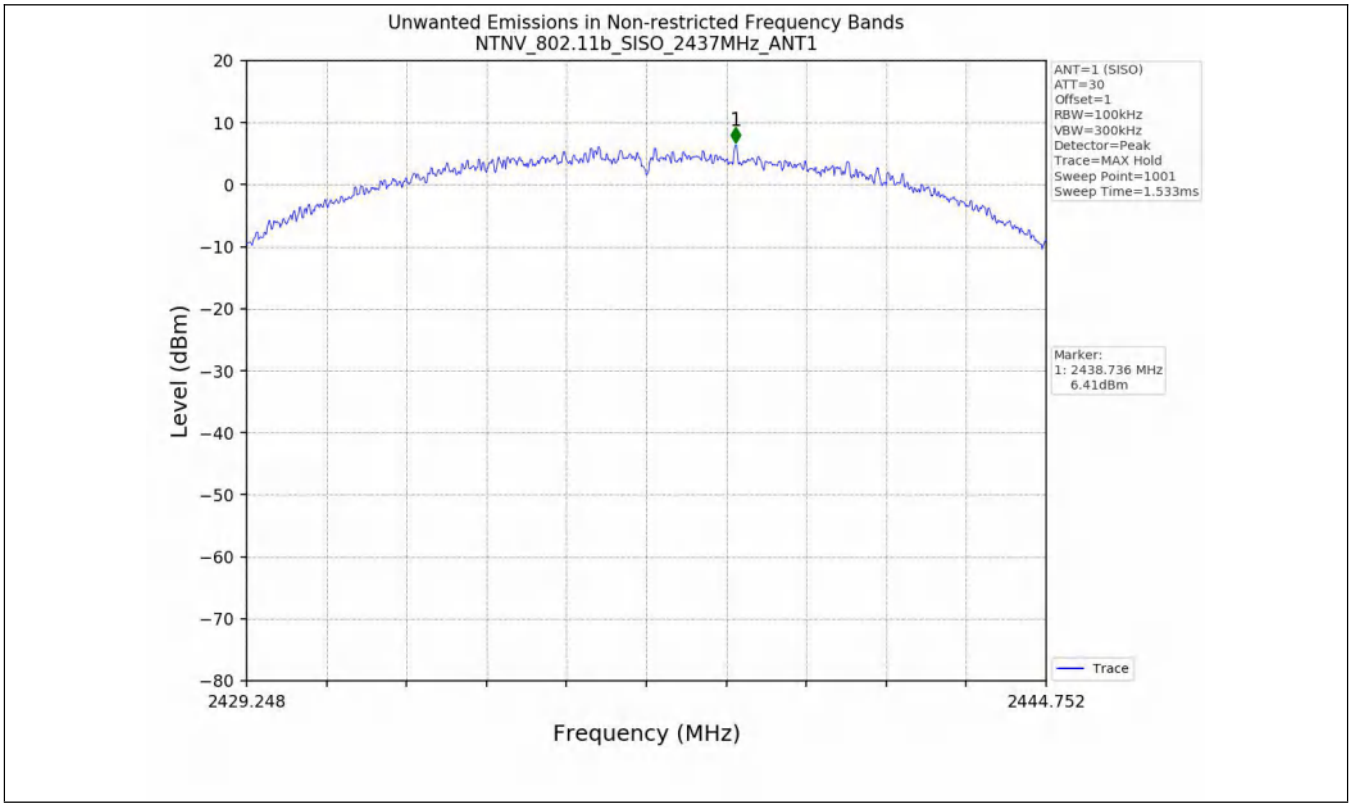
4. Unwanted Emissions in Non-restricted Frequency Bands

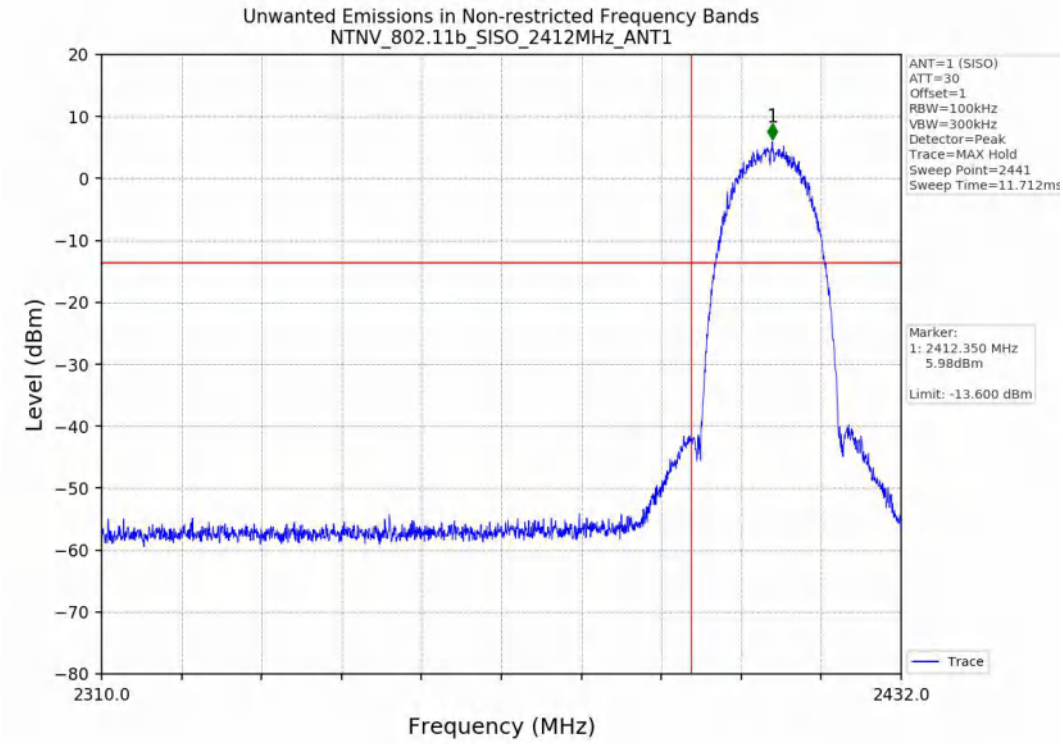
4.1 Test Result

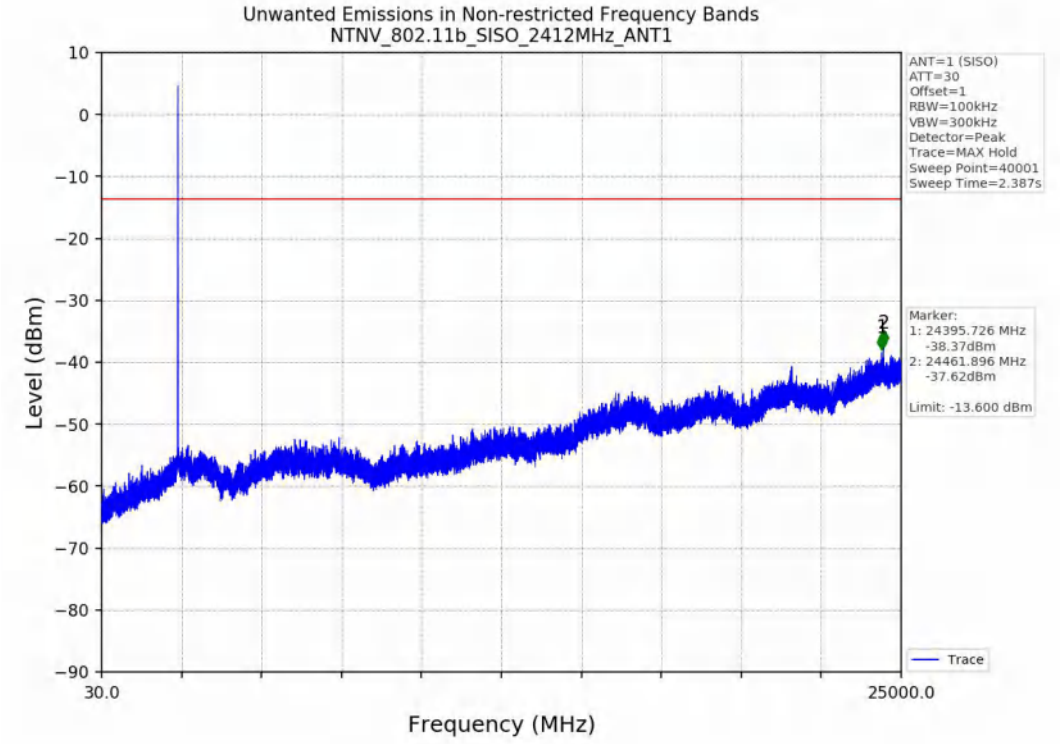
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-13.60	PASS
	2437	SISO	1	Refer to test graph	-13.60	PASS
	2462	SISO	1	Refer to test graph	-13.60	PASS
802.11g	2412	SISO	1	Refer to test graph	-21.63	PASS
	2437	SISO	1	Refer to test graph	-21.63	PASS
	2462	SISO	1	Refer to test graph	-21.63	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-21.46	PASS
	2437	SISO	1	Refer to test graph	-21.46	PASS
	2462	SISO	1	Refer to test graph	-21.46	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-24.25	PASS
	2437	SISO	1	Refer to test graph	-24.25	PASS

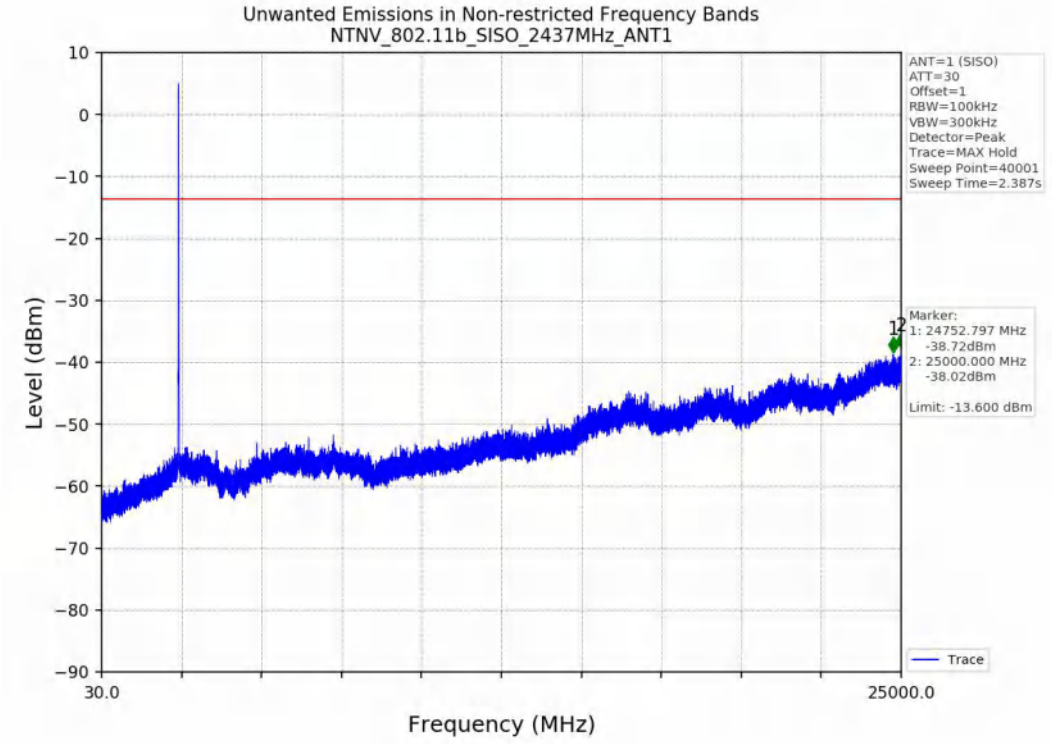
	2452	SISO	1	Refer to test graph	-24.25	PASS

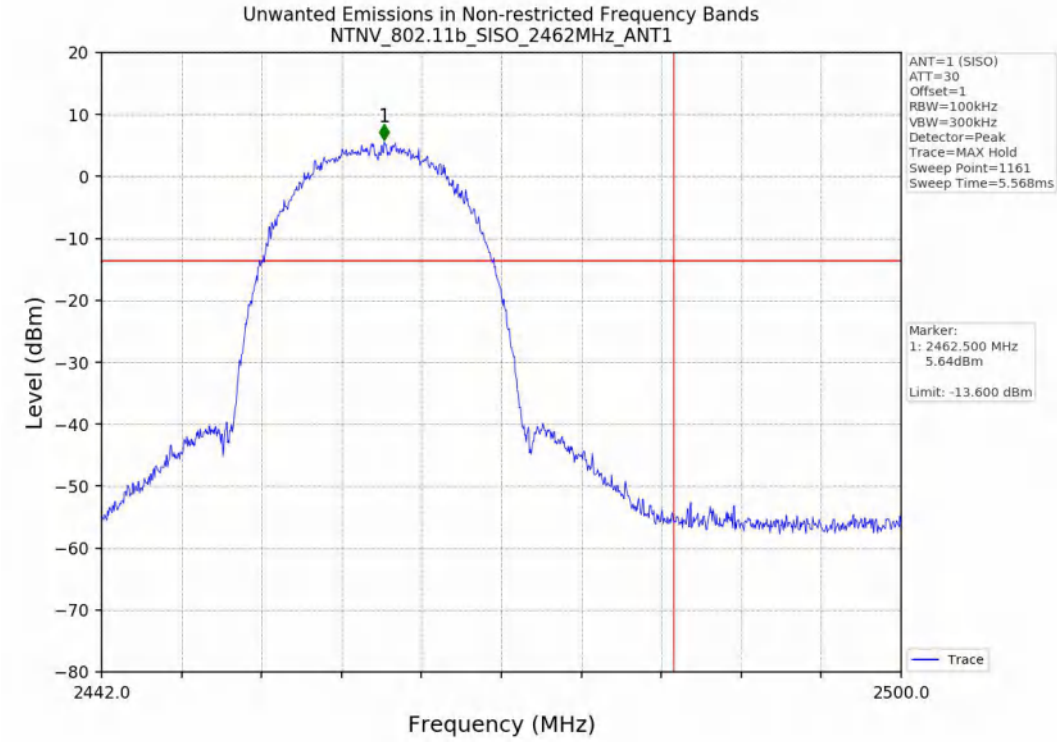
4.2 Test Graph

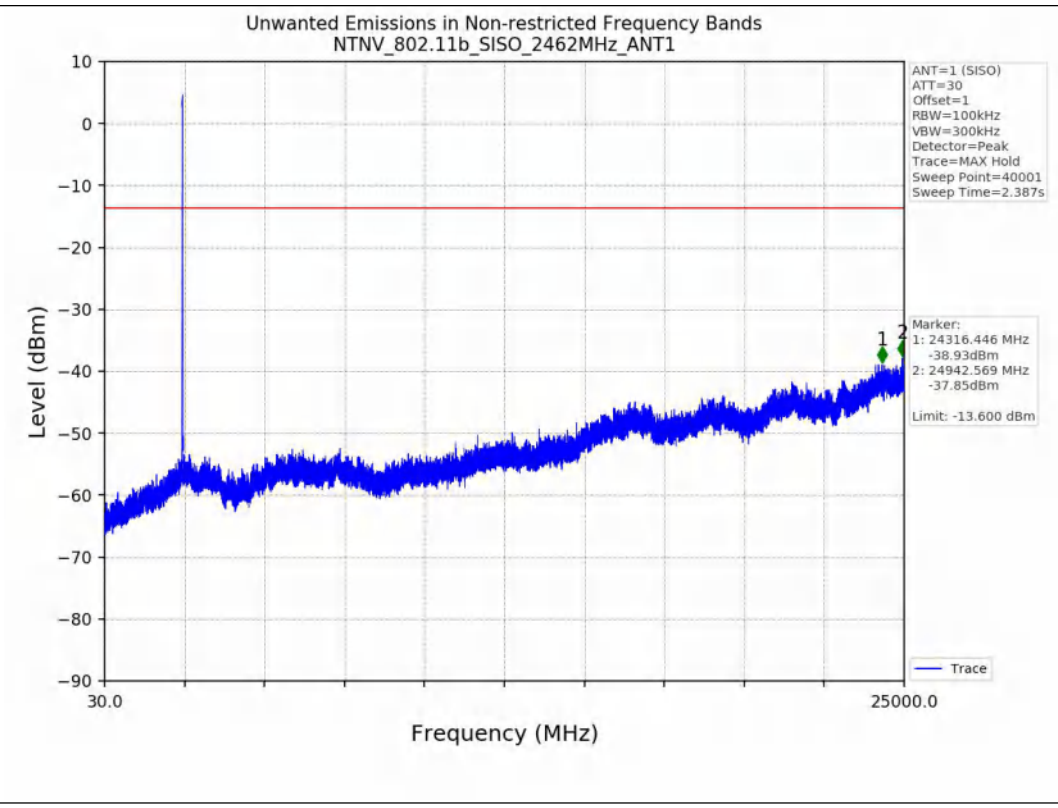


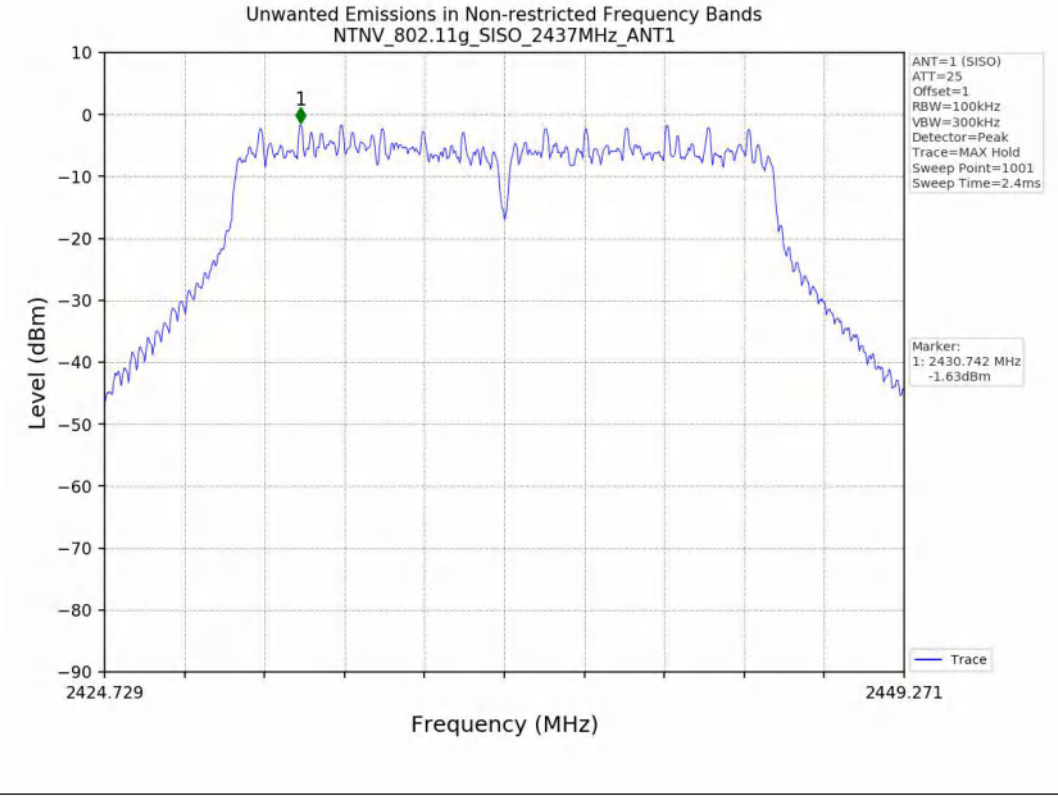

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2441
Sweep Time=11.712ms
Marker:
1: 2412.350 MHz
5.98dBm
Limit: -13.600 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2432.0

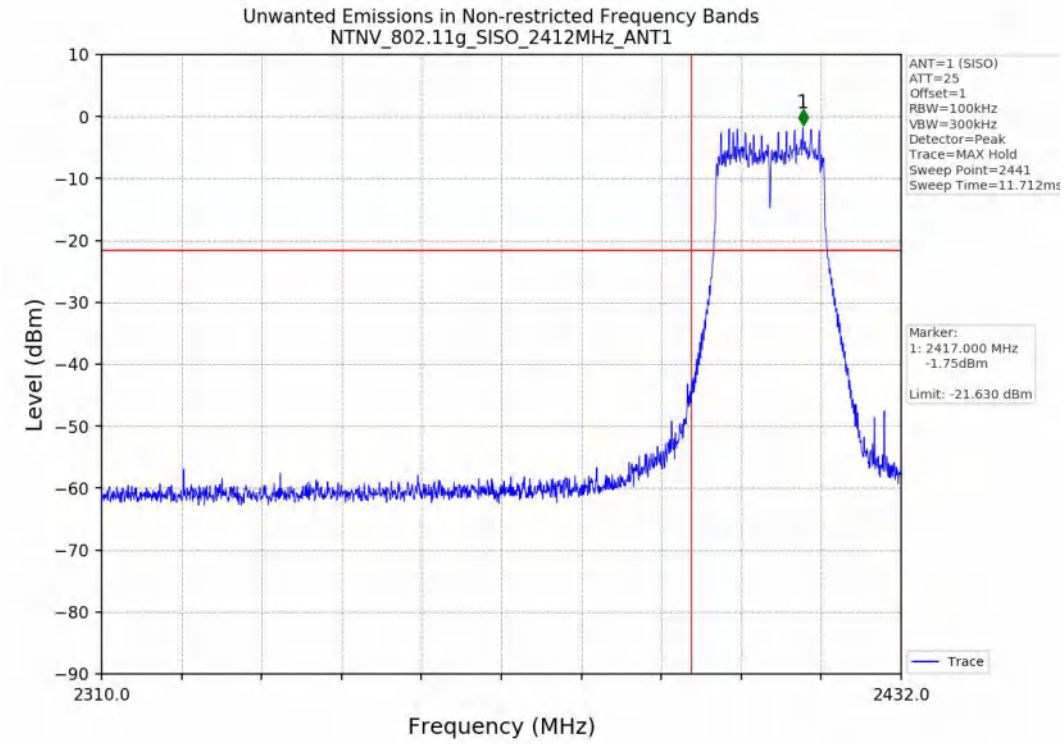

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24395.726 MHz
-38.37dBm
2: 24461.896 MHz
-37.62dBm
Limit: -13.600 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

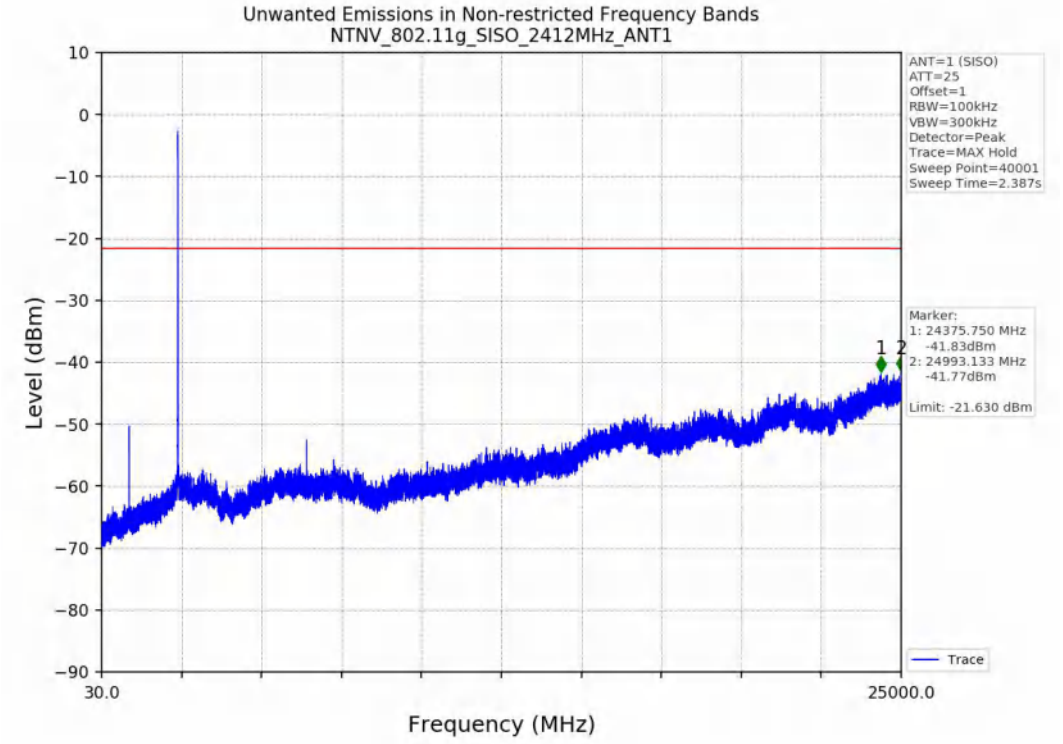

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24752.797 MHz
-38.72dBm
2: 25000.000 MHz
-38.02dBm
Limit: -13.600 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

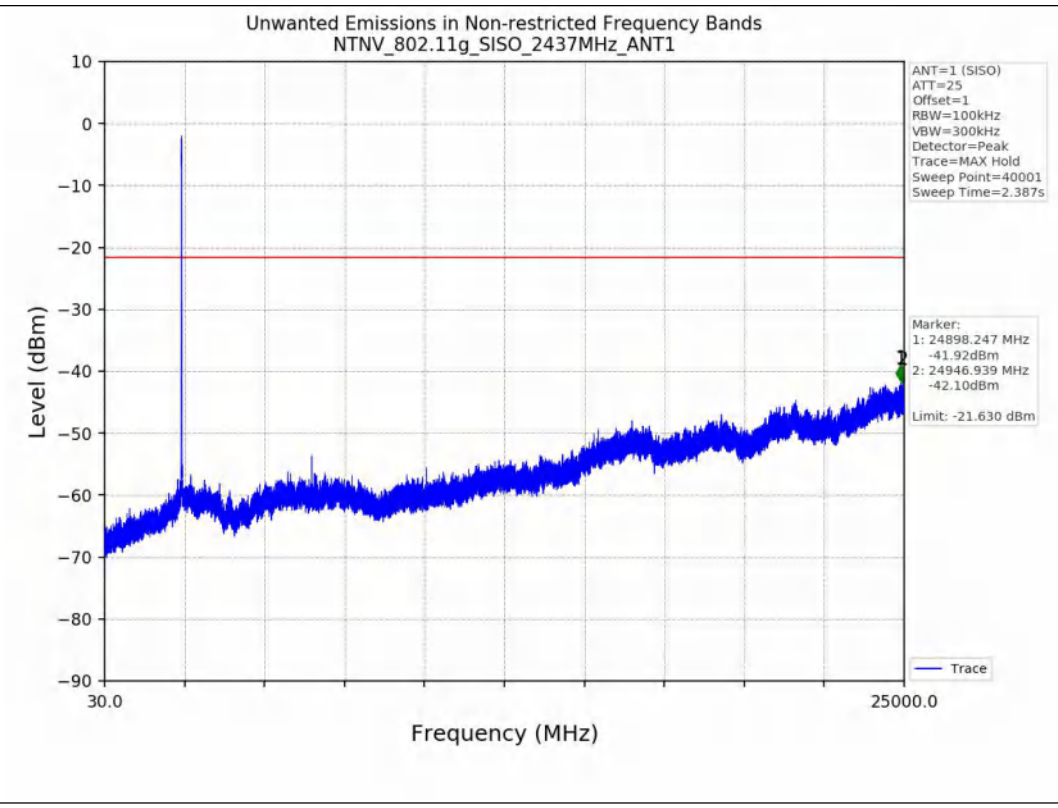

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1161
Sweep Time=5.568ms
Marker:
1: 2462.500 MHz
5.64dBm
Limit: -13.600 dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2500.0

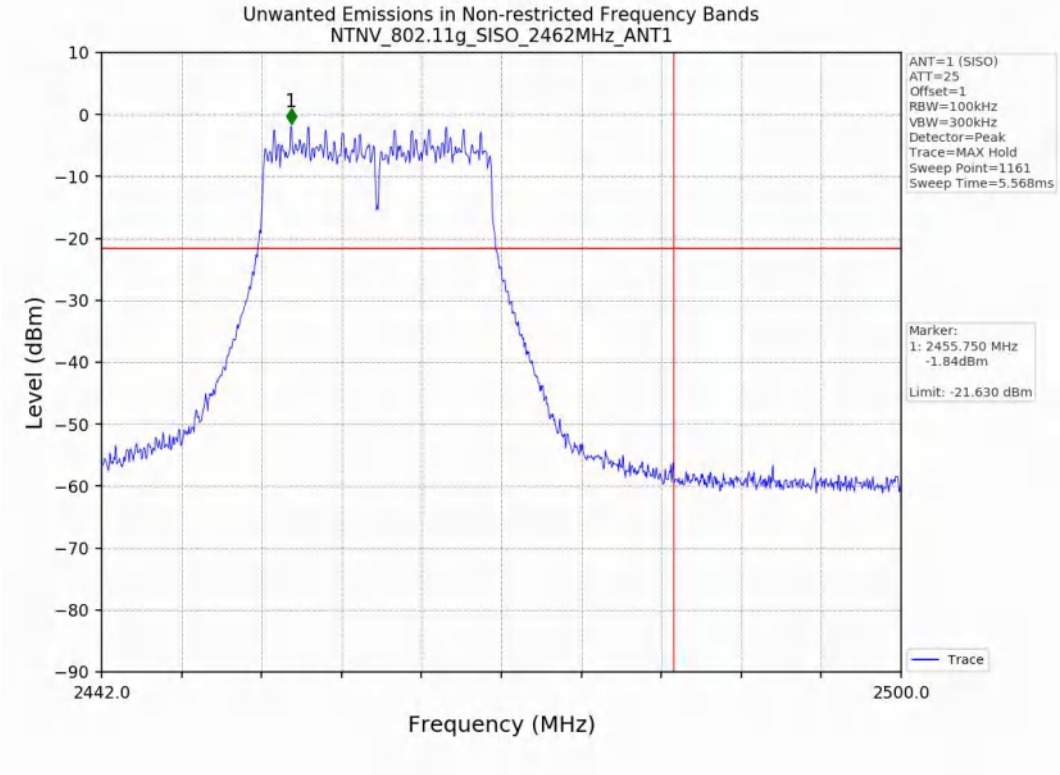

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11b_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24316.446 MHz
-38.93dBm
2: 24942.569 MHz
-37.85dBm
Limit: -13.600 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

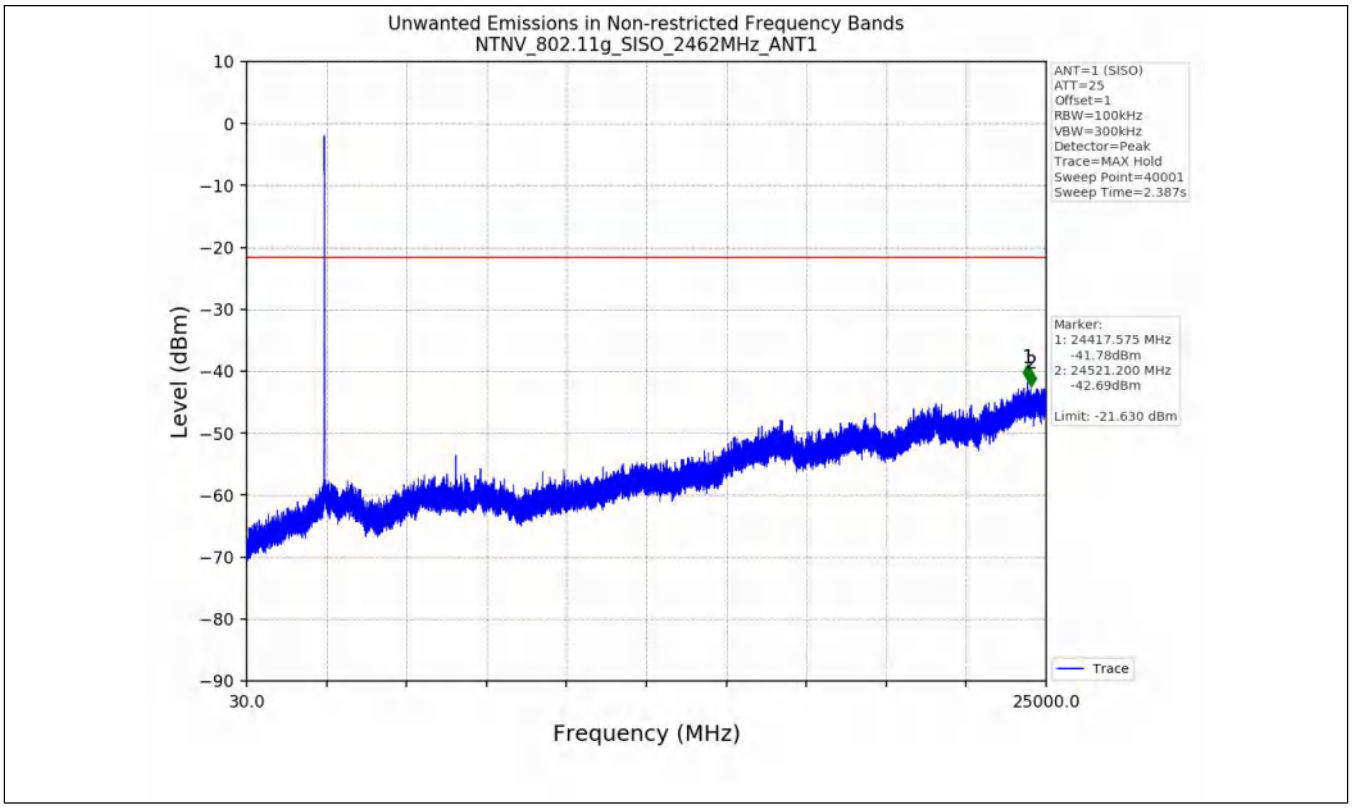

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.4ms
Marker:
1: 2430.742 MHz
-1.63dBm
Trace
Level (dBm)
Frequency (MHz)
2424.729
2449.271

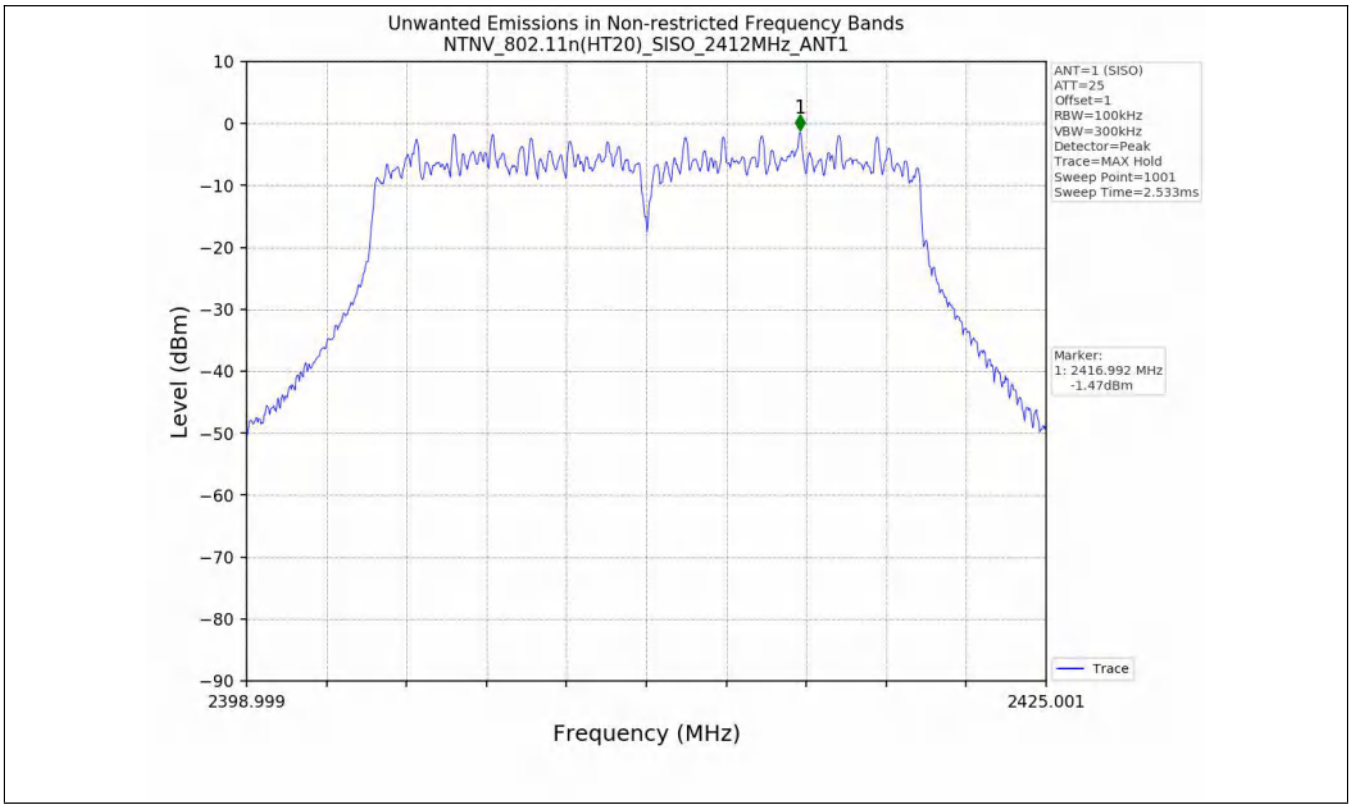

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2441
Sweep Time=11.712ms
Marker:
1: 2417.000 MHz
-1.75dBm
Limit: -21.630 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2432.0

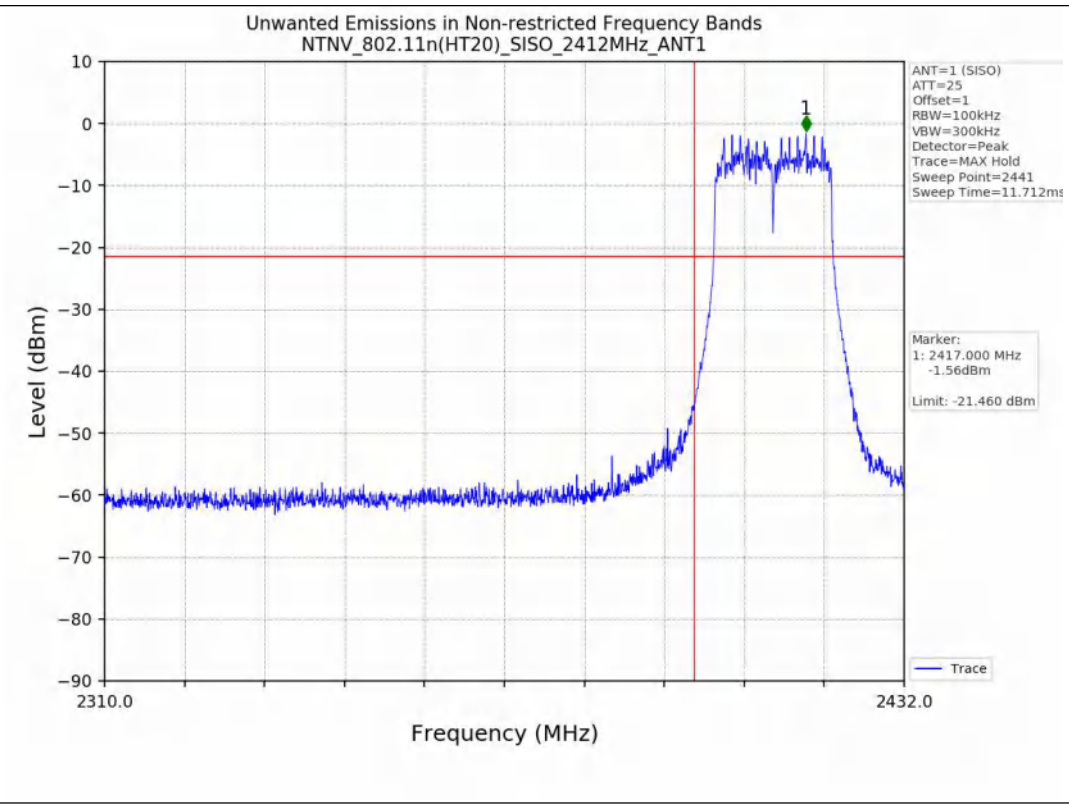

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24375.750 MHz
-41.83dBm
2: 24993.133 MHz
-41.77dBm
Limit: -21.630 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

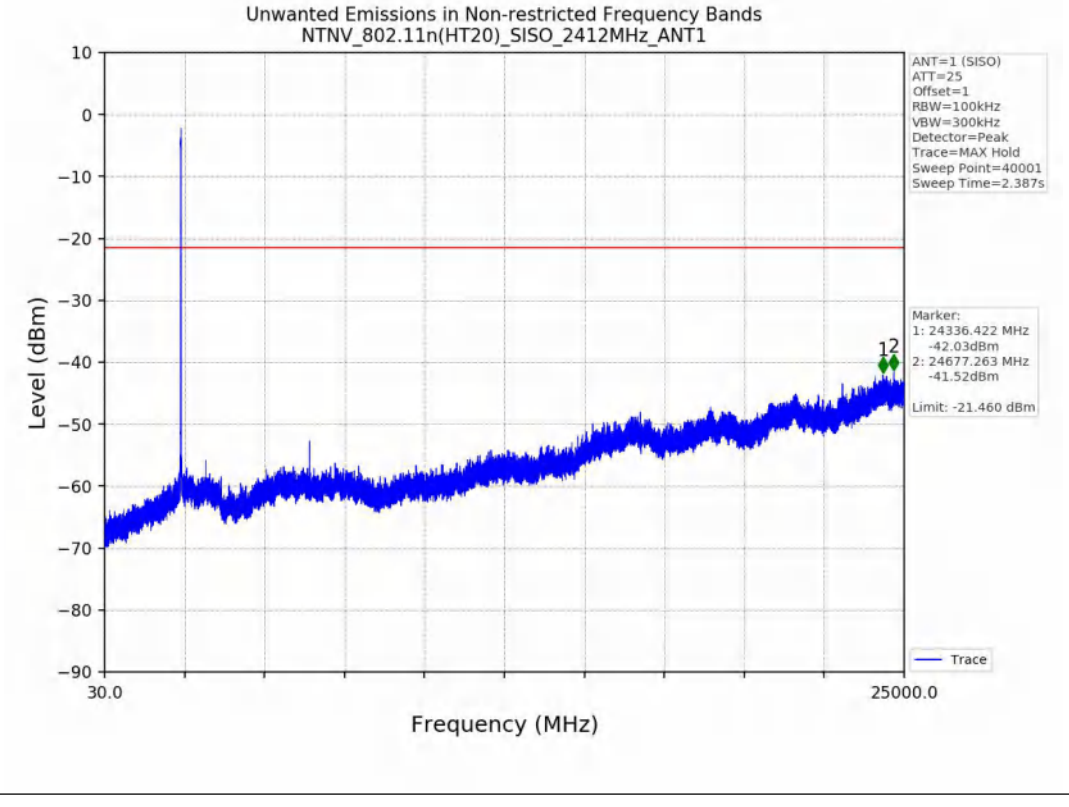

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24898.247 MHz
-41.92dBm
2: 24946.939 MHz
-42.10dBm
Limit: -21.630 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

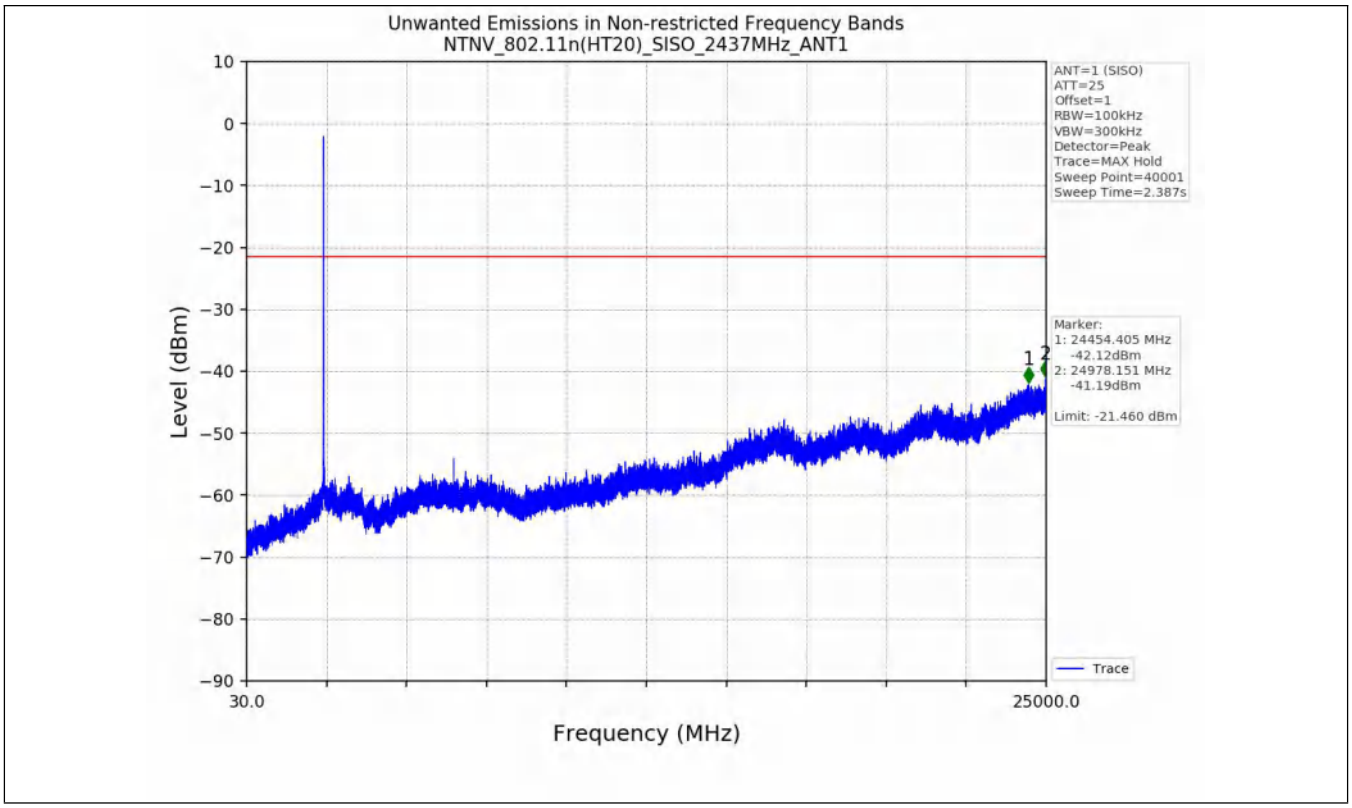

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1161
Sweep Time=5.568ms
Marker:
1: 2455.750 MHz
-1.84dBm
Limit: -21.630 dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2500.0

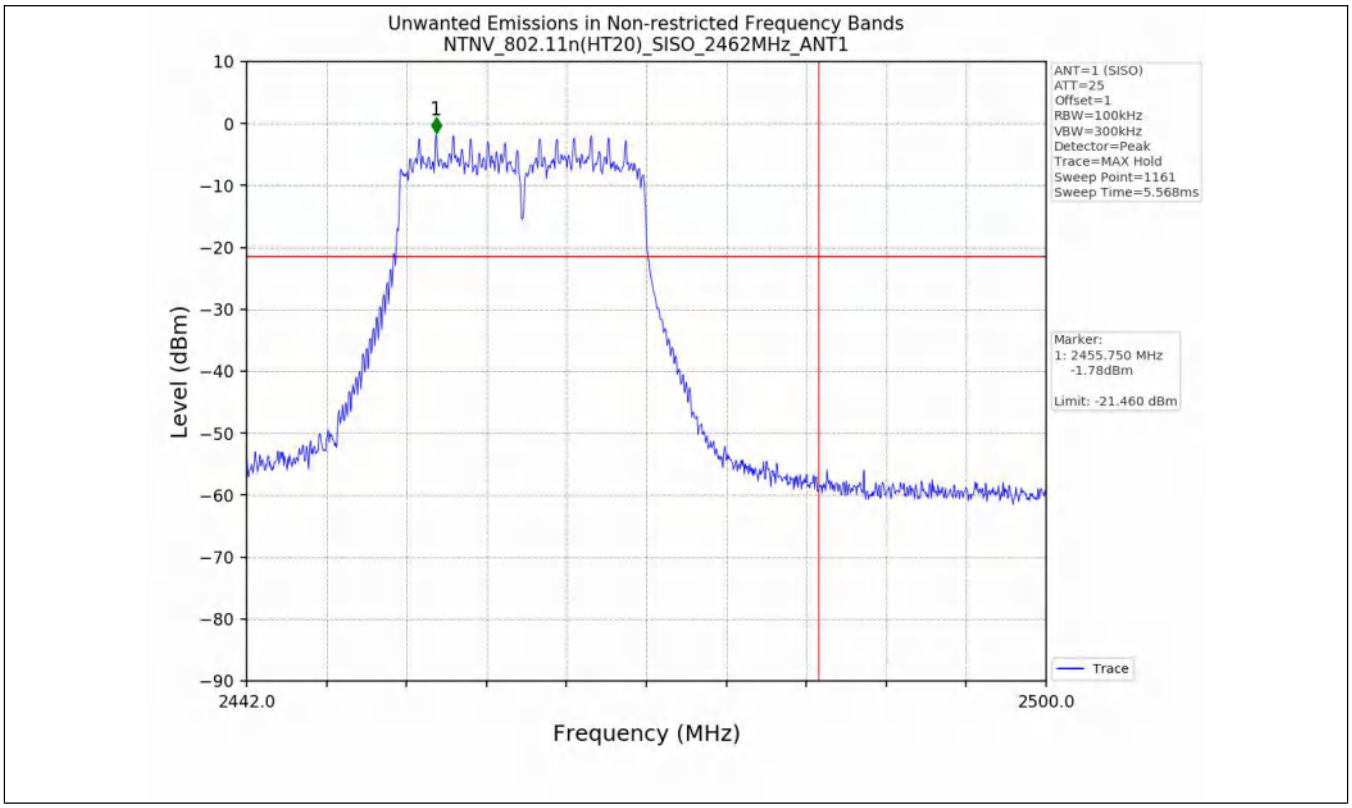

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11g_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24417.575 MHz
-41.78dBm
2: 24521.200 MHz
-42.69dBm
Limit: -21.630 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

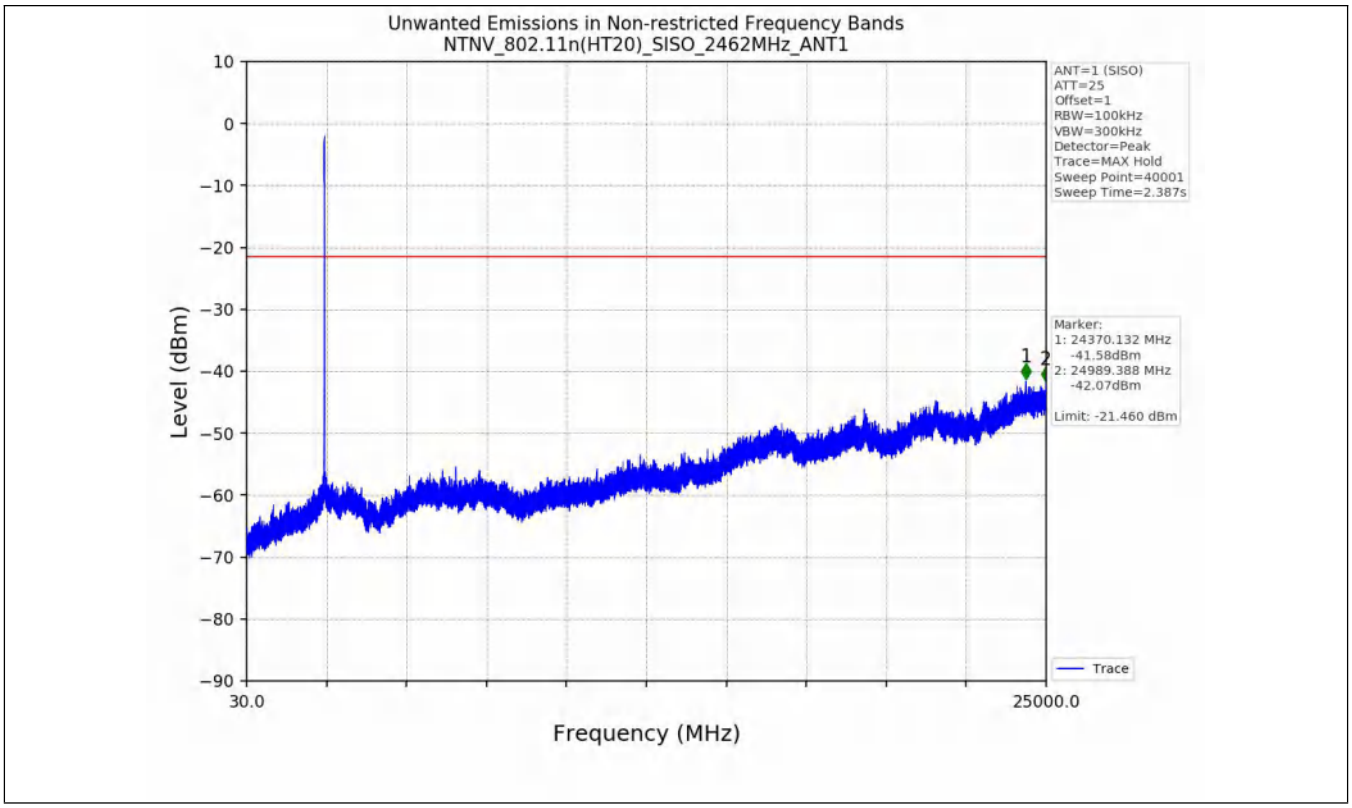

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=2.533ms
Marker:
1: 2416.992 MHz
-1.47dBm
Trace
Level (dBm)
Frequency (MHz)
2398.999
2425.001

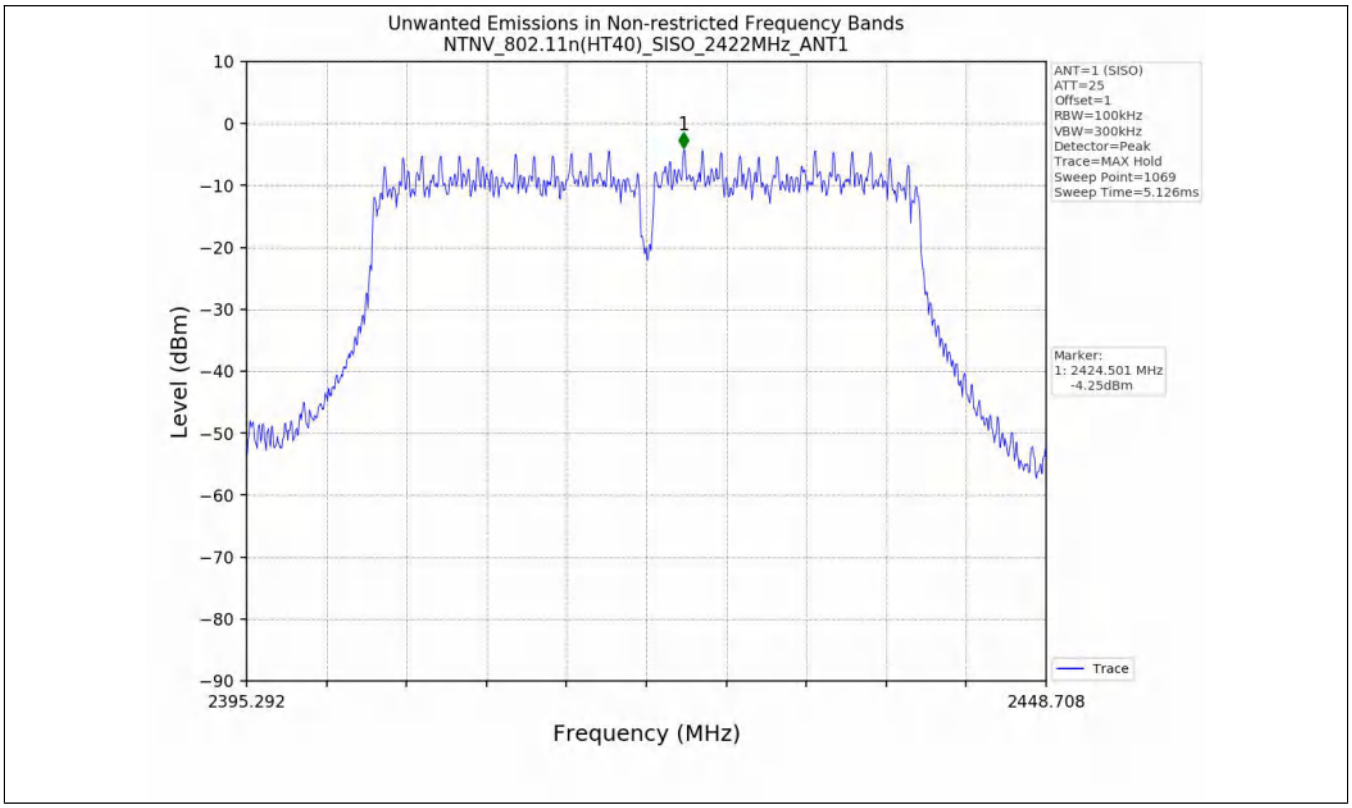

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=2441
Sweep Time=11.712ms
Marker:
1: 2417.000 MHz
-1.56dBm
Limit: -21.460 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2432.0

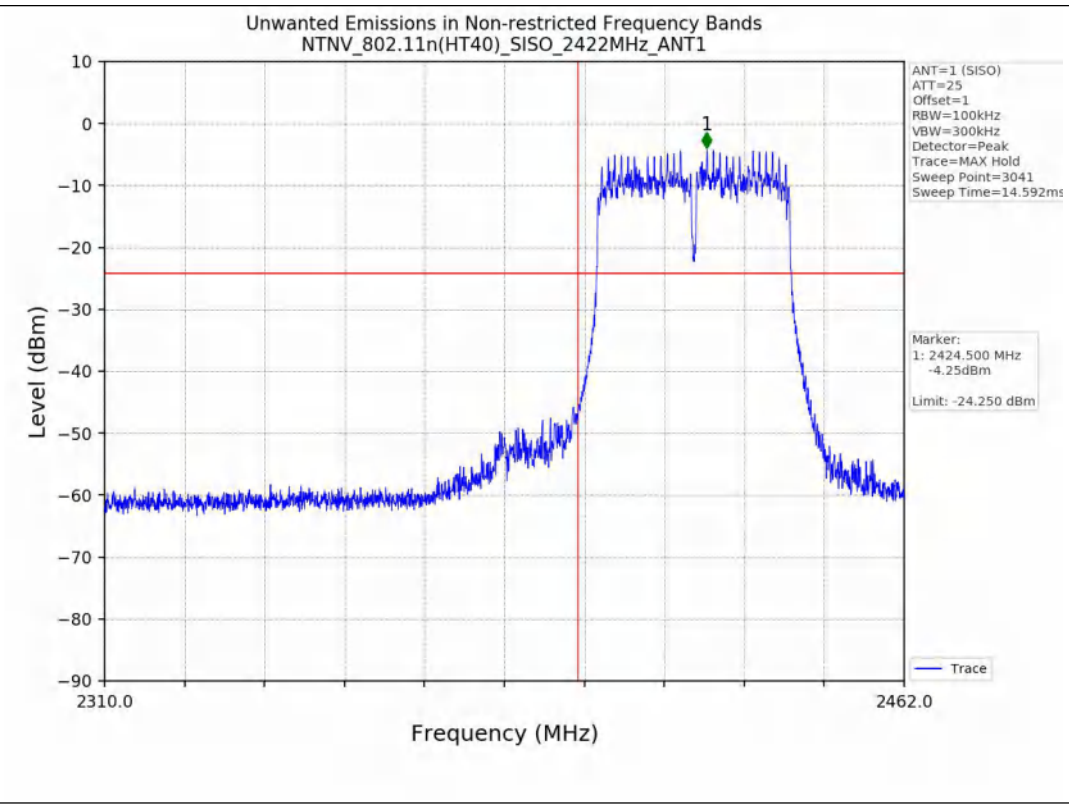

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2412MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24336.422 MHz
-42.03dBm
2: 24677.263 MHz
-41.52dBm
Limit: -21.460 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

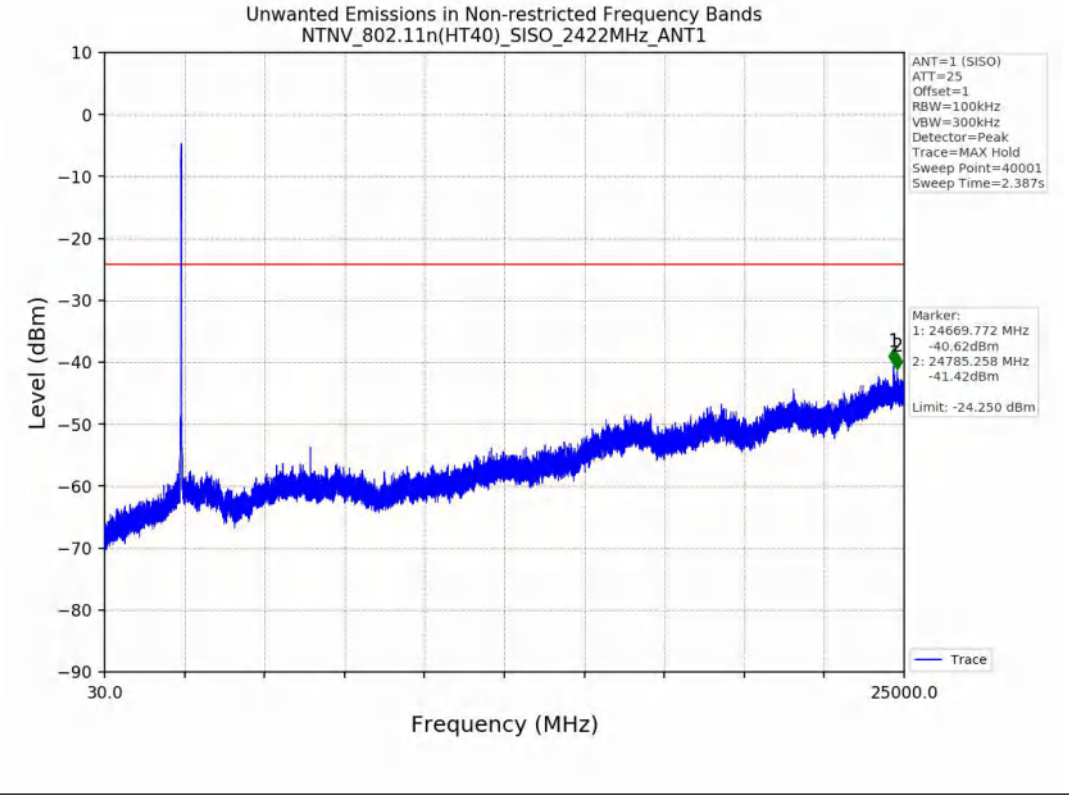

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24454.405 MHz
-42.12dBm
2: 24978.151 MHz
-41.19dBm
Limit: -21.460 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

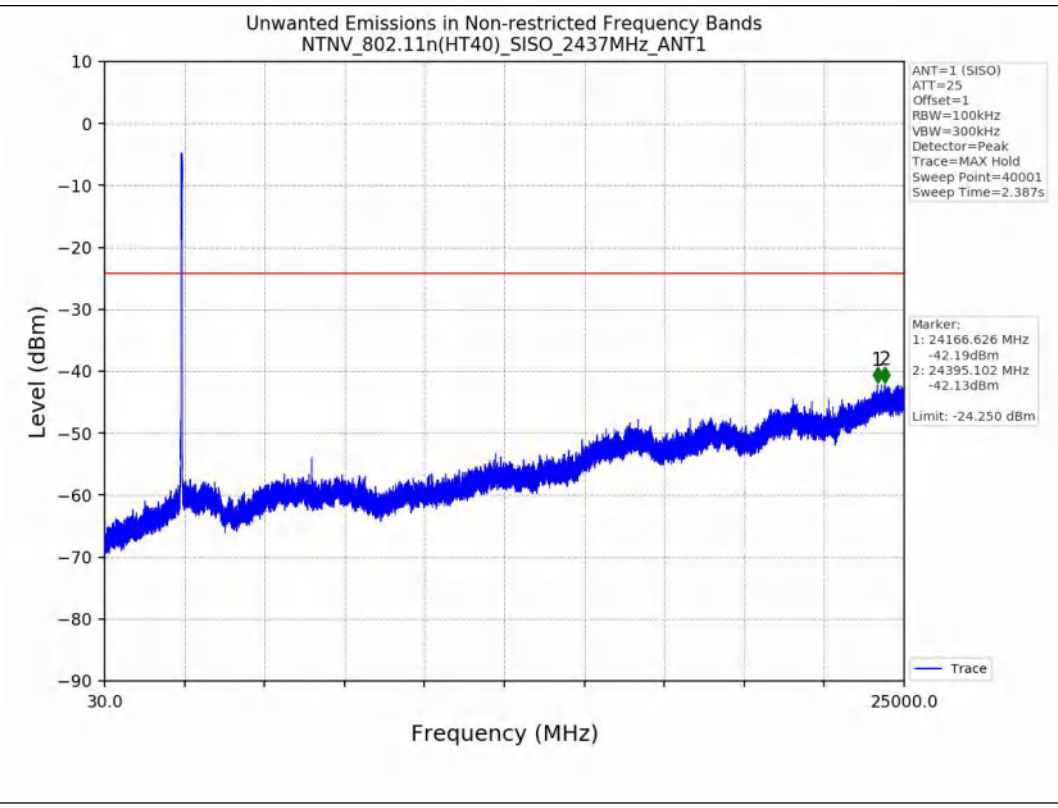

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1161
Sweep Time=5.568ms
Marker:
1: 2455.750 MHz
-1.78dBm
Limit: -21.460 dBm
Trace
Level (dBm)
Frequency (MHz)
2442.0
2500.0

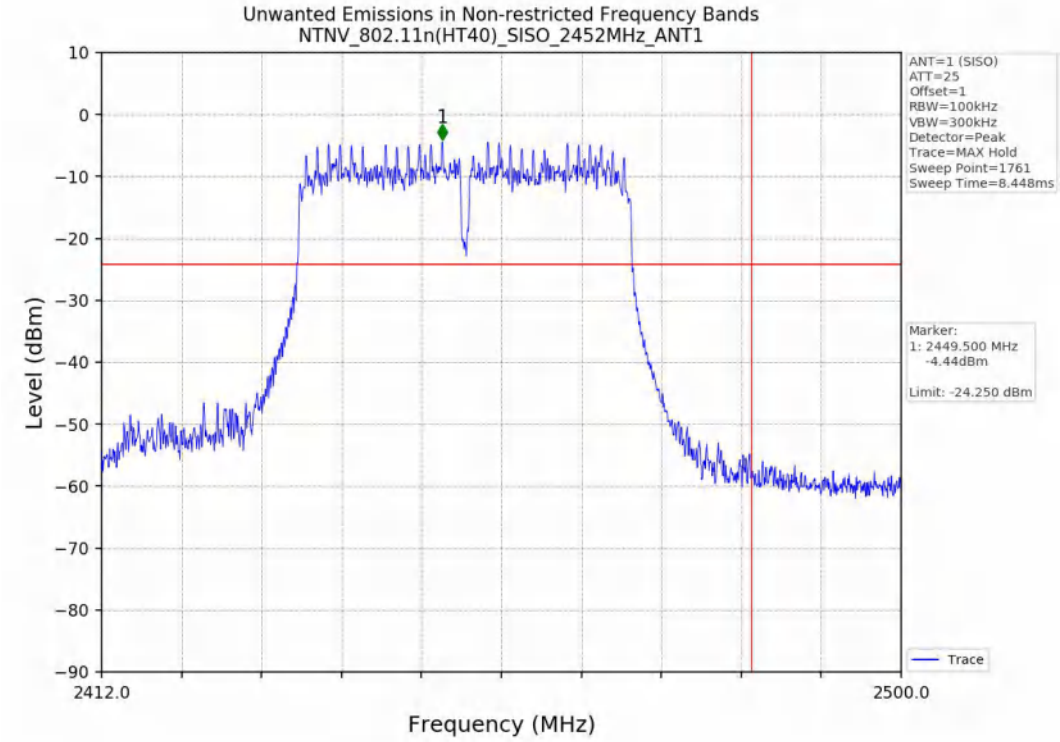

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT20)_SISO_2462MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24370.132 MHz
-41.58dBm
2: 24989.388 MHz
-42.07dBm
Limit: -21.460 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0

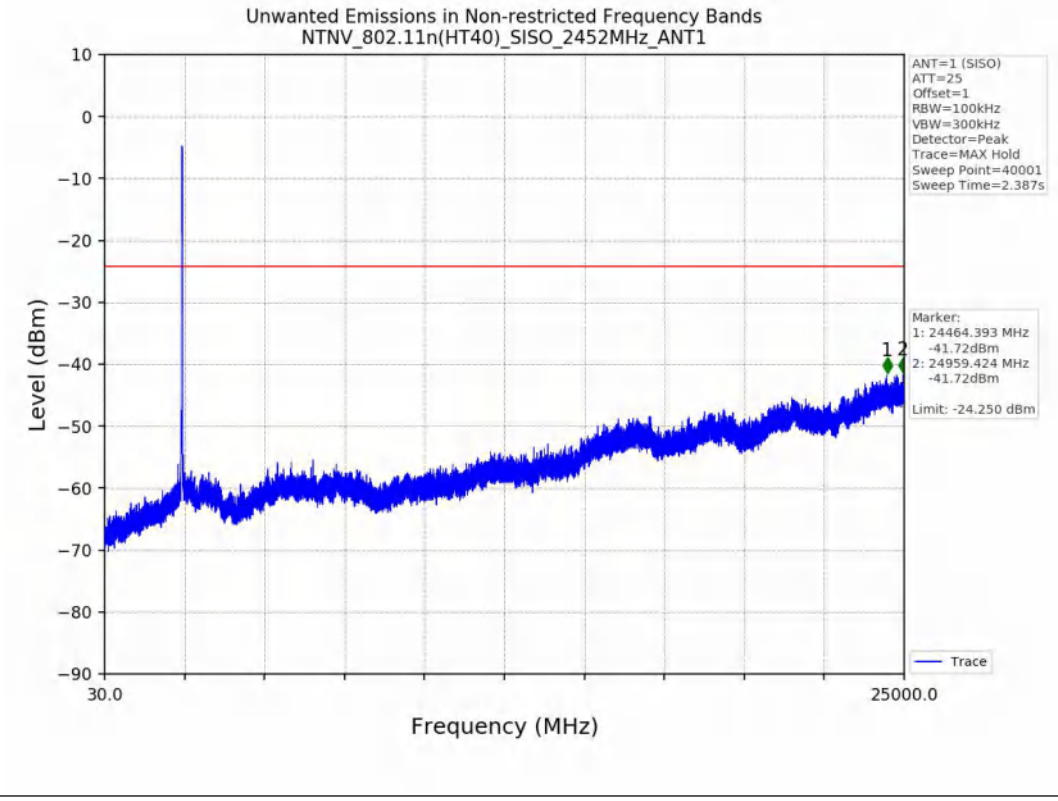

Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1069
Sweep Time=5.126ms
Marker:
1: 2424.501 MHz
-4.25dBm
Trace
Level (dBm)
Frequency (MHz)
2395.292
2448.708


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=3041
Sweep Time=14.592ms
Marker:
1: 2424.500 MHz
-4.25dBm
Limit: -24.250 dBm
Trace
Level (dBm)
Frequency (MHz)
2310.0
2462.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2422MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24669.772 MHz
-40.62dBm
2: 24785.258 MHz
-41.42dBm
Limit: -24.250 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2437MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24166.626 MHz
-42.19dBm
2: 24395.102 MHz
-42.13dBm
Limit: -24.250 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2452MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1761
Sweep Time=8.448ms
Marker:
1: 2449.500 MHz
-4.44dBm
Limit: -24.250 dBm
Trace
Level (dBm)
Frequency (MHz)
2412.0
2500.0


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_802.11n(HT40)_SISO_2452MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=100kHz
VBW=300kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=40001
Sweep Time=2.387s
Marker:
1: 24464.393 MHz
-41.72dBm
2: 24959.424 MHz
-41.72dBm
Limit: -24.250 dBm
Trace
Level (dBm)
Frequency (MHz)
30.0
25000.0
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90