Appendix for 15.407

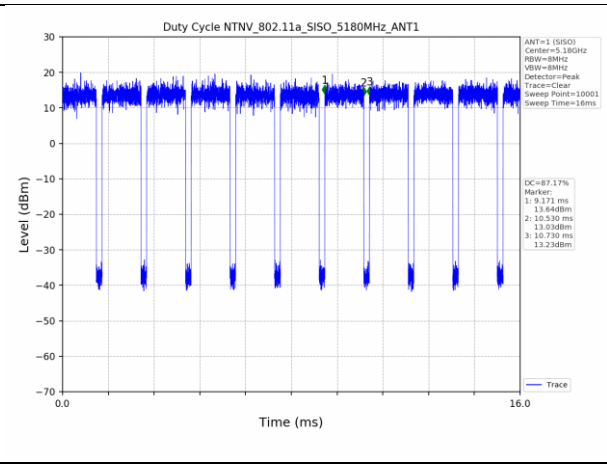
1. Duty Cycle

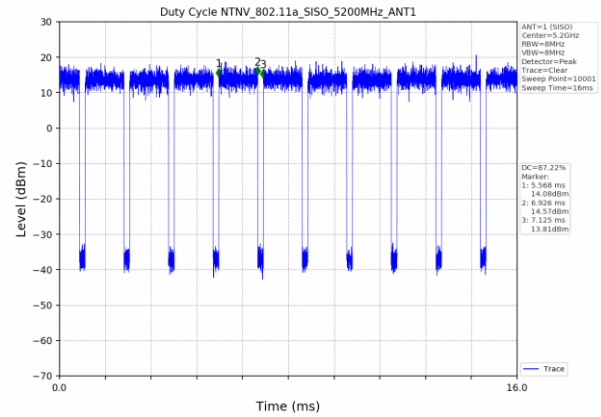
1.1 Test Result

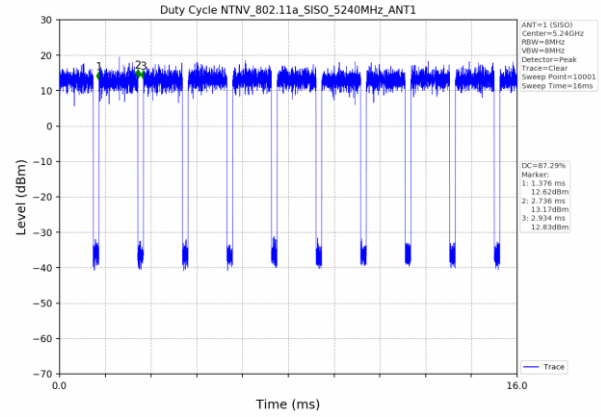
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5180	SISO	1	1.359	1.559	87.17	0.60
	5200	SISO	1	1.358	1.557	87.22	0.59
	5240	SISO	1	1.360	1.558	87.29	0.59
	5260	SISO	1	1.358	1.557	87.22	0.59
	5300	SISO	1	1.358	1.556	87.28	0.59
	5320	SISO	1	1.358	1.556	87.28	0.59
	5500	SISO	1	1.358	1.557	87.22	0.59
	5580	SISO	1	1.358	1.557	87.22	0.59
	5600	SISO	1	1.358	1.557	87.22	0.59
	5700	SISO	1	1.359	1.557	87.28	0.59
802.11n(HT20)	5180	SISO	1	0.971	1.170	82.99	0.81
	5200	SISO	1	0.972	1.170	83.08	0.81
	5240	SISO	1	0.972	1.170	83.08	0.81
	5260	SISO	1	0.971	1.170	82.99	0.81
	5300	SISO	1	0.972	1.172	82.94	0.81
	5320	SISO	1	0.972	1.170	83.08	0.81
	5500	SISO	1	0.972	1.170	83.08	0.81
	5580	SISO	1	0.971	1.170	82.99	0.81
	5600	SISO	1	0.971	1.170	82.99	0.81
	5700	SISO	1	0.971	1.170	82.99	0.81
802.11n(HT40)	5190	SISO	1	0.632	0.832	75.96	1.19
	5230	SISO	1	0.632	0.831	76.05	1.19
	5270	SISO	1	0.632	0.832	75.96	1.19
	5310	SISO	1	0.632	0.832	75.96	1.19
	5510	SISO	1	0.632	0.832	75.96	1.19
	5550	SISO	1	0.632	0.831	76.05	1.19
	5590	SISO	1	0.632	0.832	75.96	1.19
	5670	SISO	1	0.632	0.832	75.96	1.19
802.11ac(VHT20)	5180	SISO	1	0.976	1.175	83.06	0.81
	5200	SISO	1	0.975	1.173	83.12	0.80
	5240	SISO	1	0.976	1.175	83.06	0.81
	5260	SISO	1	0.975	1.173	83.12	0.80
	5300	SISO	1	0.975	1.175	82.98	0.81
	5320	SISO	1	0.975	1.173	83.12	0.80
	5500	SISO	1	0.976	1.174	83.13	0.80
	5580	SISO	1	0.976	1.175	83.06	0.81
	5600	SISO	1	0.976	1.174	83.13	0.80
	5700	SISO	1	0.975	1.174	83.05	0.81
802.11ac(VHT40)	5190	SISO	1	0.469	0.659	71.17	1.48
	5230	SISO	1	0.469	0.660	71.06	1.48
	5270	SISO	1	0.469	0.660	71.06	1.48
	5310	SISO	1	0.469	0.660	71.06	1.48
	5510	SISO	1	0.469	0.659	71.17	1.48
	5550	SISO	1	0.469	0.659	71.17	1.48
	5590	SISO	1	0.468	0.659	71.02	1.49
	5670	SISO	1	0.469	0.660	71.06	1.48
802.11ac(VHT80)	5210	SISO	1	0.227	0.427	53.16	2.74
	5290	SISO	1	0.227	0.428	53.04	2.75
	5530	SISO	1	0.228	0.428	53.27	2.74

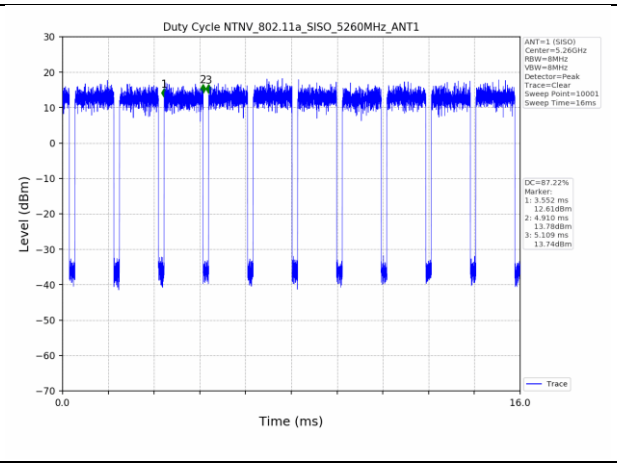
	5610	SISO	1	0.228	0.428	53.27	2.74

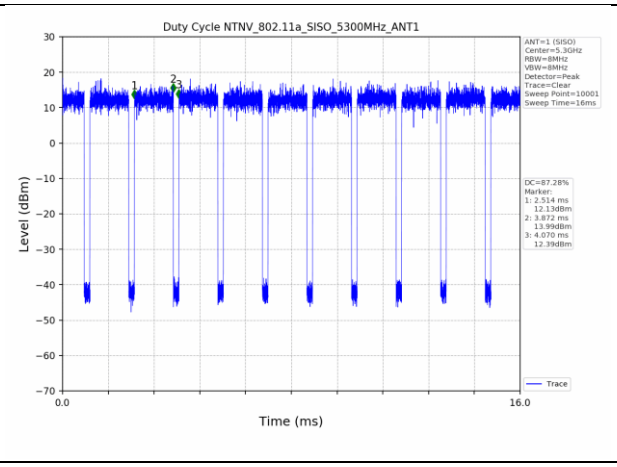
1.2 Test Graph

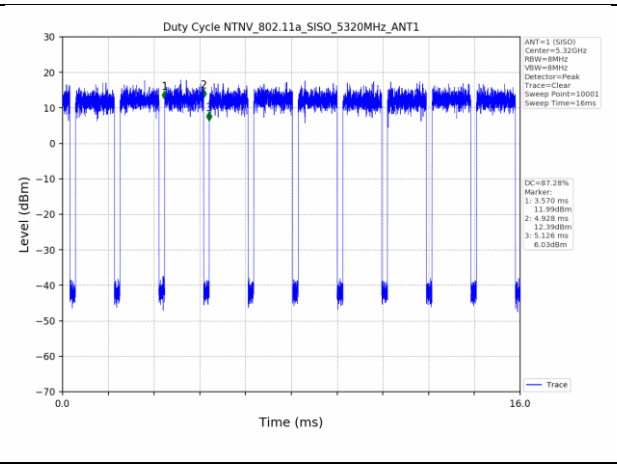


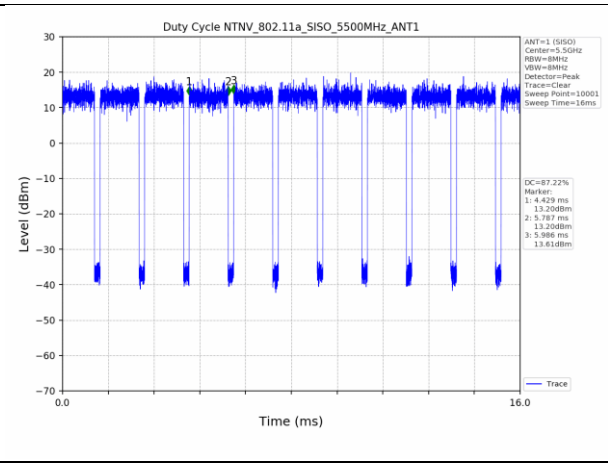


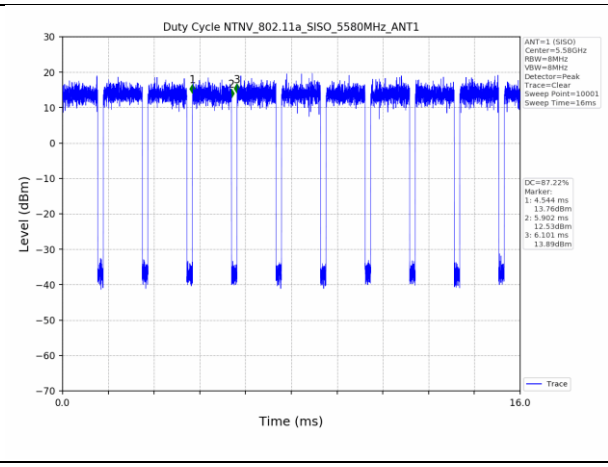


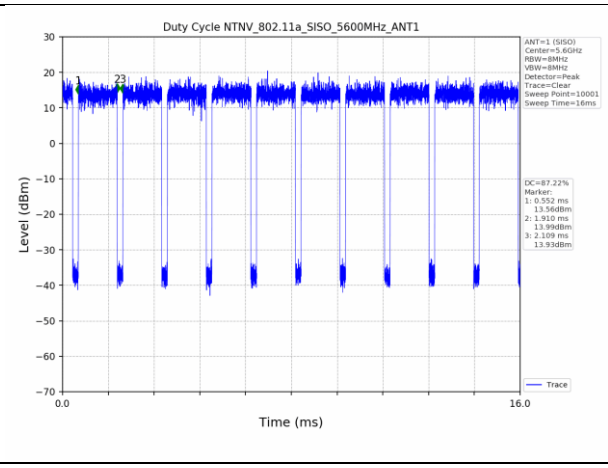

Duty Cycle NTNV_802.11a_SISO_5260MHz_ANT1
ANT=1 (SISO)
Center=5.26GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.22%
Marker:
1: 3.552 ms
12.61dBm
2: 4.910 ms
13.78dBm
3: 5.109 ms
13.74dBm
Level (dBm)
Time (ms)
Trace

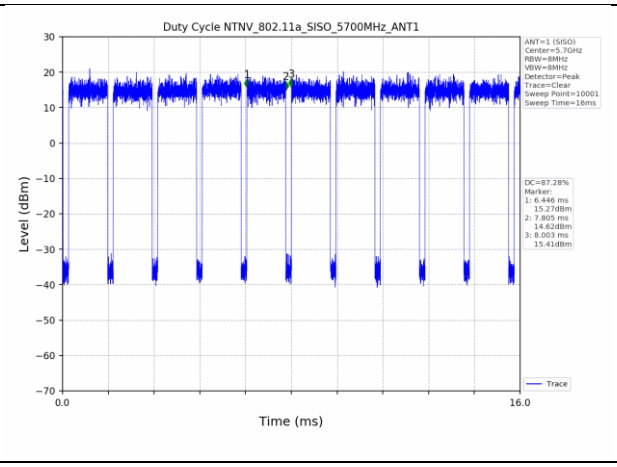

Duty Cycle NTNV_802.11a_SISO_5300MHz_ANT1
ANT=1 (SISO)
Center=5.3GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.28%
Marker:
1: 2.514 ms
12.13dBm
2: 3.872 ms
13.99dBm
3: 4.070 ms
12.39dBm
Level (dBm)
Time (ms)
Trace

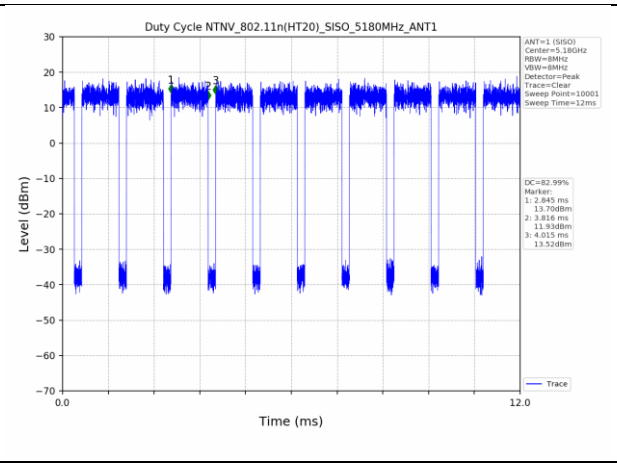

Duty Cycle NTNV_802.11a_SISO_5320MHz_ANT1
ANT=1 (SISO)
Center=5.32GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.28%
Marker:
1: 3.570 ms
11.99dBm
2: 4.928 ms
12.39dBm
3: 5.126 ms
6.03dBm
Level (dBm)
Time (ms)
Trace

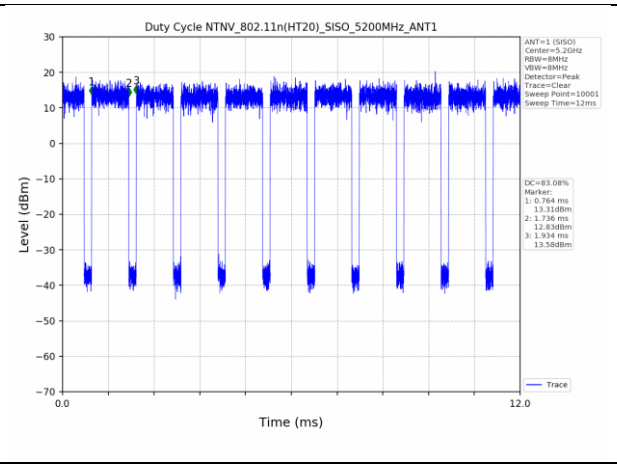

Duty Cycle NTNV_802.11a_SISO_5500MHz_ANT1
ANT=1 (SISO)
Center=5.5GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.22%
Marker:
1: 4.429 ms
13.20dBm
2: 5.787 ms
13.20dBm
3: 5.986 ms
13.61dBm
Trace
Level (dBm)
Time (ms)
0.0
16.0

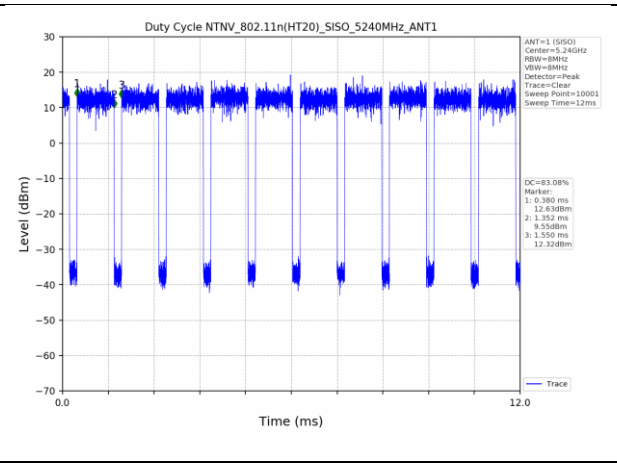

Duty Cycle NTNV_802.11a_SISO_5580MHz_ANT1
ANT=1 (SISO)
Center=5.58GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.22%
Marker:
1: 4.544 ms
13.76dBm
2: 5.902 ms
12.53dBm
3: 6.101 ms
13.89dBm
Trace
Level (dBm)
Time (ms)
0.0
16.0

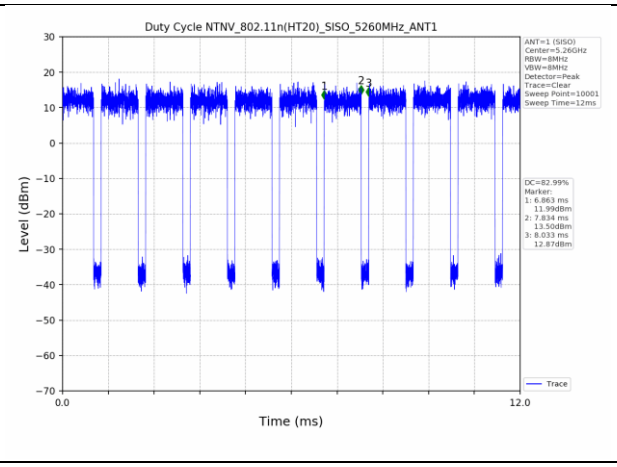

Duty Cycle NTNV_802.11a_SISO_5600MHz_ANT1
ANT=1 (SISO)
Center=5.6GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.22%
Marker:
1: 0.552 ms
13.56dBm
2: 1.910 ms
13.99dBm
3: 2.109 ms
13.93dBm
Trace
Level (dBm)
Time (ms)
0.0
16.0

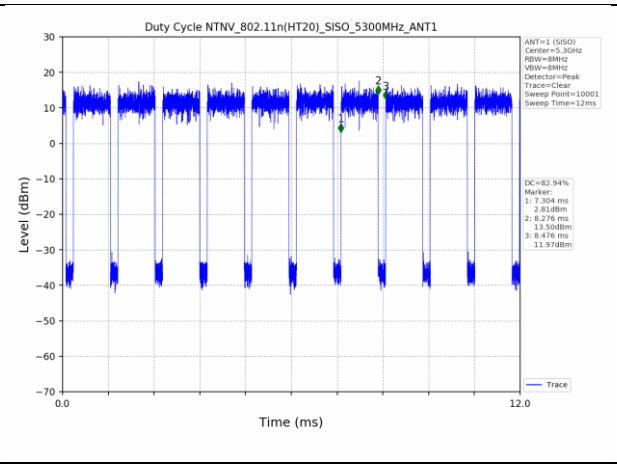

Duty Cycle NTNV_802.11a_SISO_5700MHz_ANT1
Level (dBm)
Time (ms)
0.0
16.0
ANT=1 (SISO)
Center=5.7GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=16ms
DC=87.28%
Marker:
1: 6.446 ms
15.27dBm
2: 7.805 ms
14.62dBm
3: 8.003 ms
15.41dBm
Trace

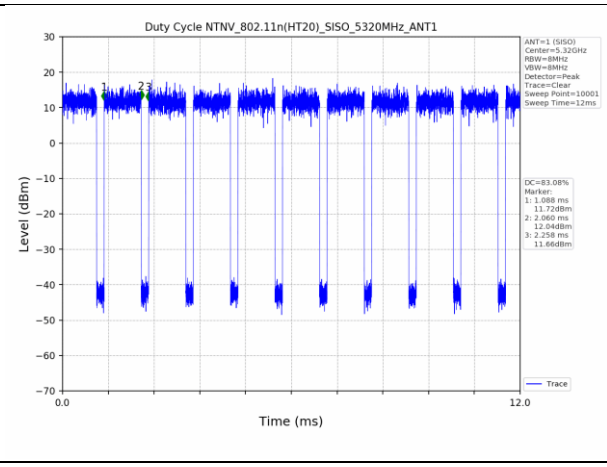

Duty Cycle NTNV_802.11n(HT20)_SISO_5180MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.18GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.99%
Marker:
1: 2.845 ms
13.70dBm
2: 3.816 ms
11.93dBm
3: 4.015 ms
13.52dBm
Trace

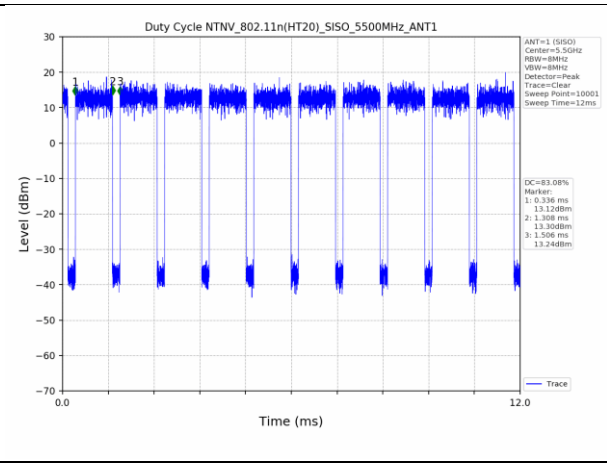

Duty Cycle NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.2GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.08%
Marker:
1: 0.764 ms
13.31dBm
2: 1.736 ms
12.83dBm
3: 1.934 ms
13.58dBm
Trace

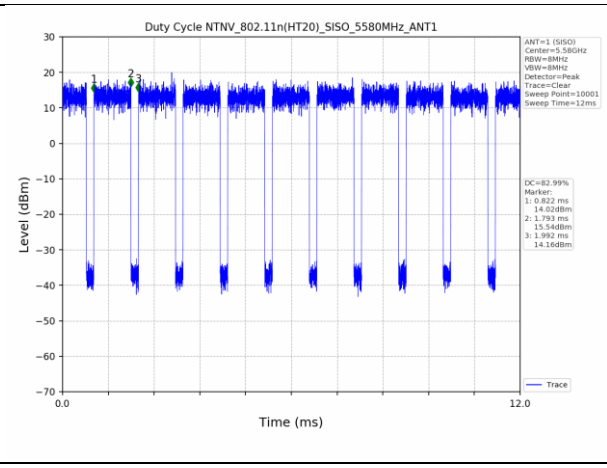

Duty Cycle NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
Center=5.24GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.08%
Marker:
1: 0.380 ms
12.63dBm
2: 1.352 ms
9.55dBm
3: 1.550 ms
12.32dBm
Level (dBm)
Time (ms)
Trace

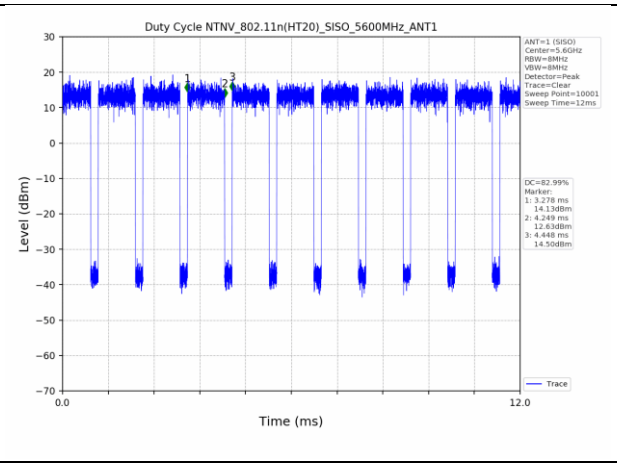

Duty Cycle NTNV_802.11n(HT20)_SISO_5260MHz_ANT1
ANT=1 (SISO)
Center=5.26GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.99%
Marker:
1: 6.863 ms
11.99dBm
2: 7.834 ms
13.50dBm
3: 8.033 ms
12.87dBm
Level (dBm)
Time (ms)
Trace

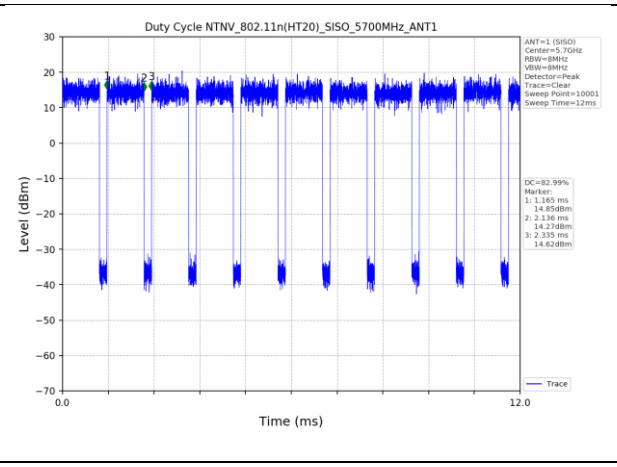

Duty Cycle NTNV_802.11n(HT20)_SISO_5300MHz_ANT1
ANT=1 (SISO)
Center=5.3GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.94%
Marker:
1: 7.304 ms
2.81dBm
2: 8.276 ms
13.50dBm
3: 8.476 ms
11.97dBm
Level (dBm)
Time (ms)
Trace

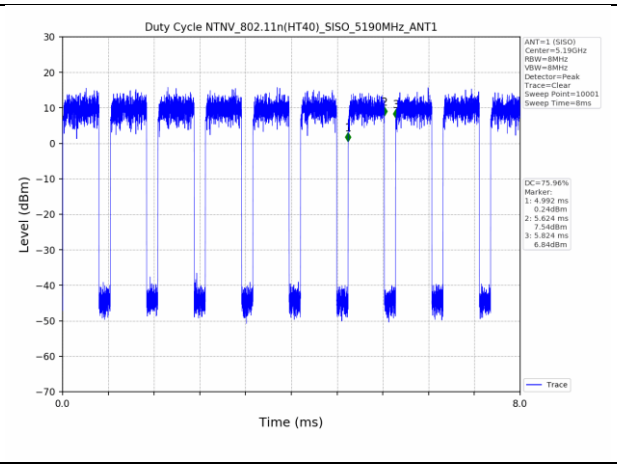

Duty Cycle NTNV_802.11n(HT20)_SISO_5320MHz_ANT1
ANT=1 (SISO)
Center=5.32GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.08%
Marker:
1: 1.088 ms
11.72dBm
2: 2.060 ms
12.04dBm
3: 2.258 ms
11.66dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

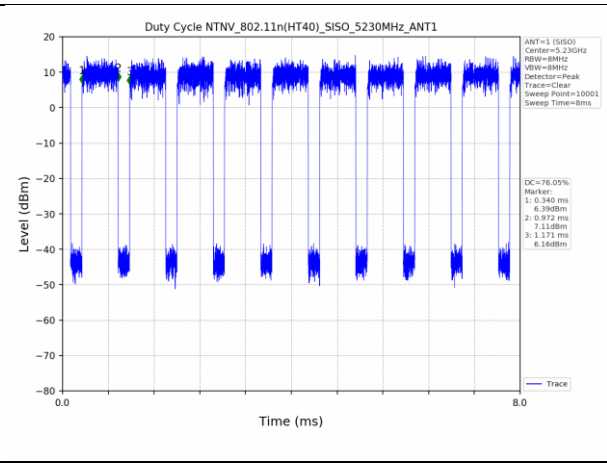

Duty Cycle NTNV_802.11n(HT20)_SISO_5500MHz_ANT1
ANT=1 (SISO)
Center=5.5GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.08%
Marker:
1: 0.336 ms
13.12dBm
2: 1.308 ms
13.30dBm
3: 1.506 ms
13.24dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

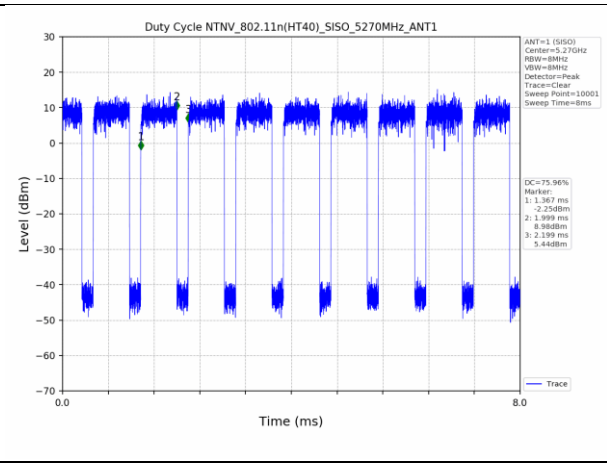

Duty Cycle NTNV_802.11n(HT20)_SISO_5580MHz_ANT1
ANT=1 (SISO)
Center=5.58GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.99%
Marker:
1: 0.822 ms
14.02dBm
2: 1.793 ms
15.54dBm
3: 1.992 ms
14.16dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

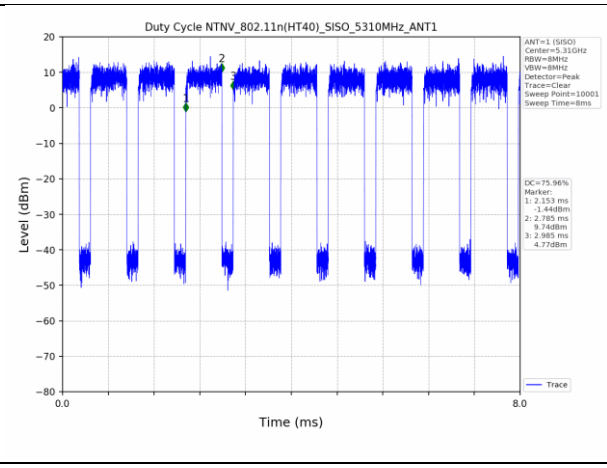

Duty Cycle NTNV_802.11n(HT20)_SISO_5600MHz_ANT1
ANT=1 (SISO)
Center=5.6GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.99%
Marker:
1: 3.278 ms
14.13dBm
2: 4.249 ms
12.63dBm
3: 4.448 ms
14.50dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

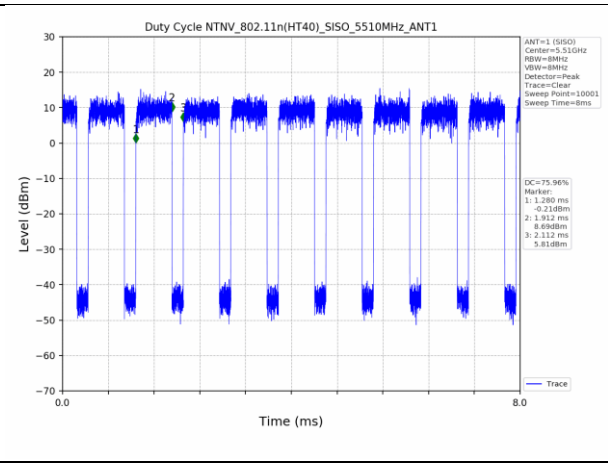

Duty Cycle NTNV_802.11n(HT20)_SISO_5700MHz_ANT1
ANT=1 (SISO)
Center=5.7GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.99%
Marker:
1: 1.165 ms
14.85dBm
2: 2.136 ms
14.27dBm
3: 2.335 ms
14.62dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

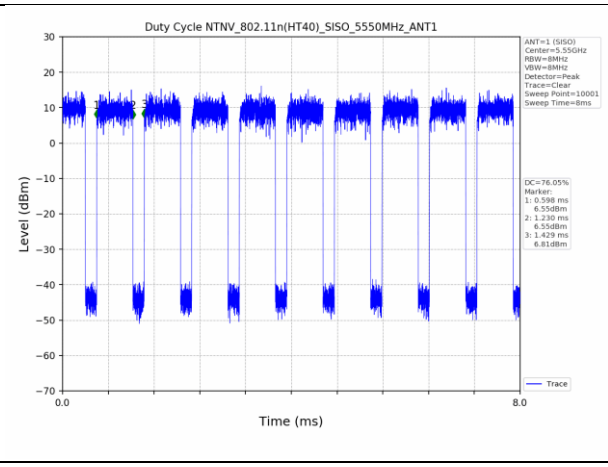

Duty Cycle NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
Center=5.19GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 4.992 ms
0.24dBm
2: 5.624 ms
7.54dBm
3: 5.824 ms
6.84dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

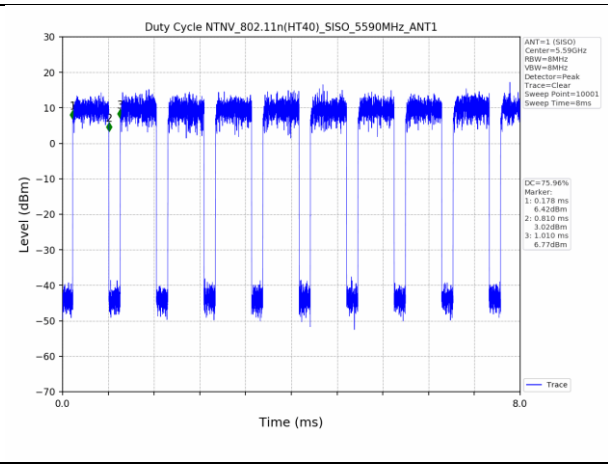

Duty Cycle NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
Center=5.23GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=76.05%
Marker:
1: 0.340 ms
6.39dBm
2: 0.972 ms
7.11dBm
3: 1.171 ms
6.16dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

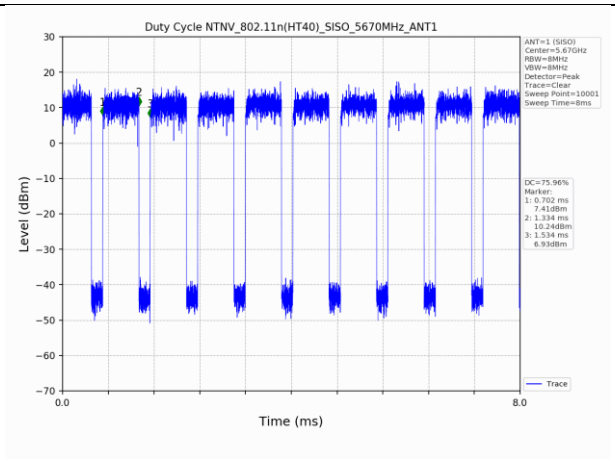

Duty Cycle NTNV_802.11n(HT40)_SISO_5270MHz_ANT1
ANT=1 (SISO)
Center=5.27GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 1.367 ms
-2.25dBm
2: 1.999 ms
8.98dBm
3: 2.199 ms
5.44dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

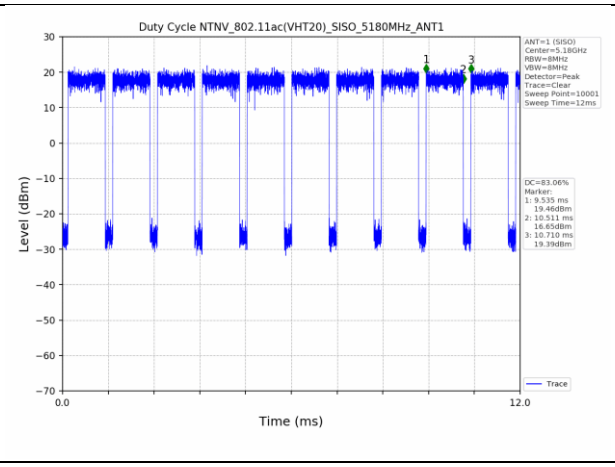

Duty Cycle NTNV_802.11n(HT40)_SISO_5310MHz_ANT1
ANT=1 (SISO)
Center=5.31GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 2.153 ms
-1.44dBm
2: 2.785 ms
9.74dBm
3: 2.985 ms
4.77dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

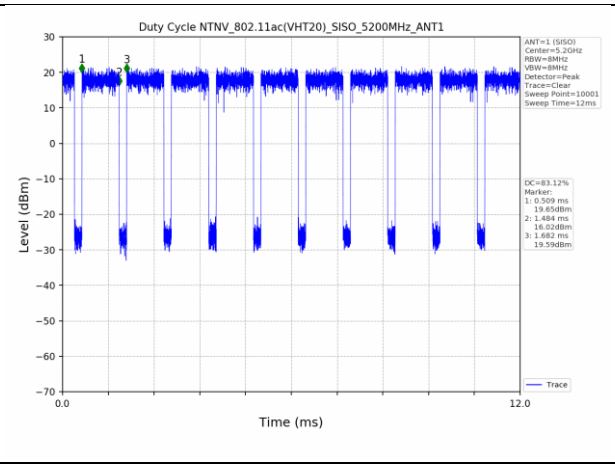

Duty Cycle NTNV_802.11n(HT40)_SISO_5510MHz_ANT1
ANT=1 (SISO)
Center=5.51GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 1.280 ms
-0.21dBm
2: 1.912 ms
8.69dBm
3: 2.112 ms
5.81dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

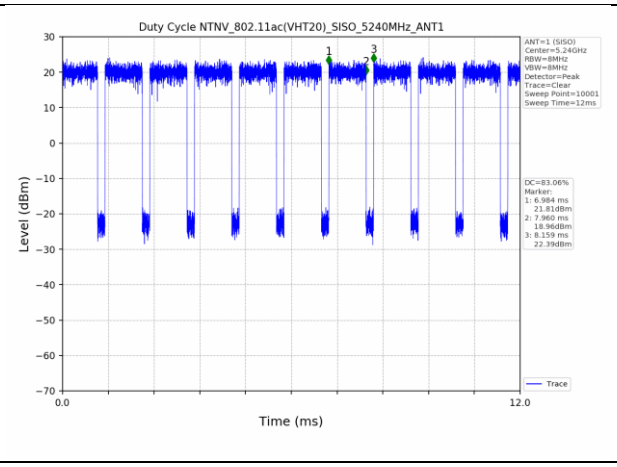

Duty Cycle NTNV_802.11n(HT40)_SISO_5550MHz_ANT1
ANT=1 (SISO)
Center=5.55GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=76.05%
Marker:
1: 0.598 ms
6.55dBm
2: 1.230 ms
6.55dBm
3: 1.429 ms
6.81dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

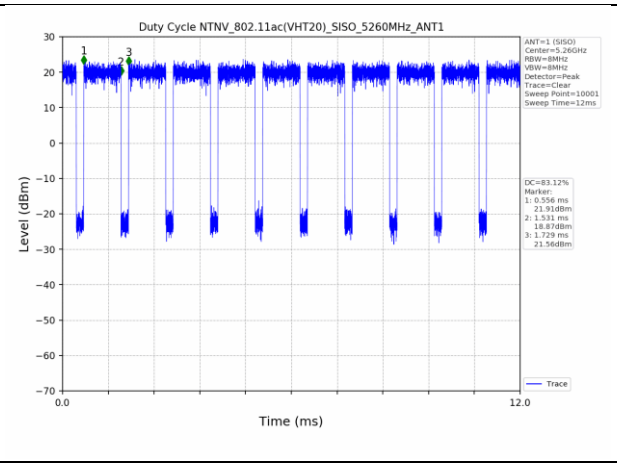

Duty Cycle NTNV_802.11n(HT40)_SISO_5590MHz_ANT1
ANT=1 (SISO)
Center=5.59GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 0.178 ms
6.42dBm
2: 0.810 ms
3.02dBm
3: 1.010 ms
6.77dBm
Trace
Level (dBm)
Time (ms)
0.0
8.0

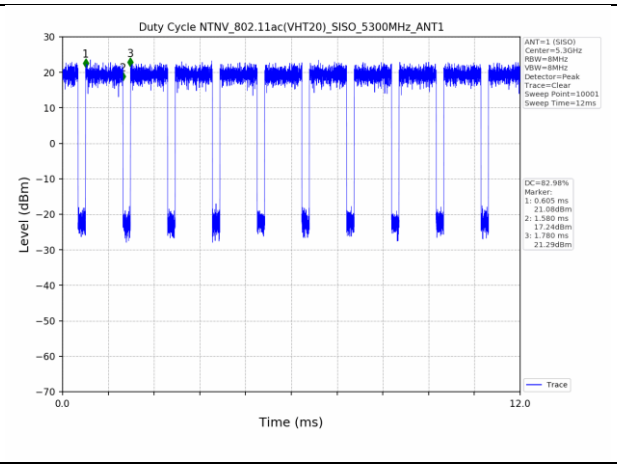

Duty Cycle NTNV_802.11n(HT40)_SISO_5670MHz_ANT1
Level (dBm)
Time (ms)
0.0
8.0
ANT=1 (SISO)
Center=5.67GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=8ms
DC=75.96%
Marker:
1: 0.702 ms
7.41dBm
2: 1.334 ms
10.24dBm
3: 1.534 ms
6.93dBm
Trace

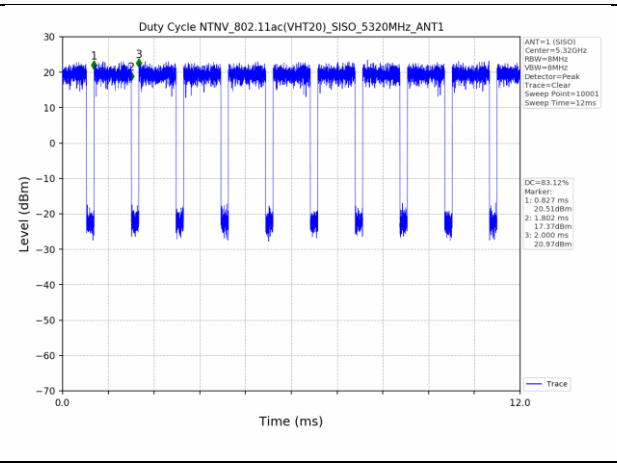

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5180MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.18GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.06%
Marker:
1: 9.535 ms
19.46dBm
2: 10.511 ms
16.65dBm
3: 10.710 ms
19.39dBm
Trace

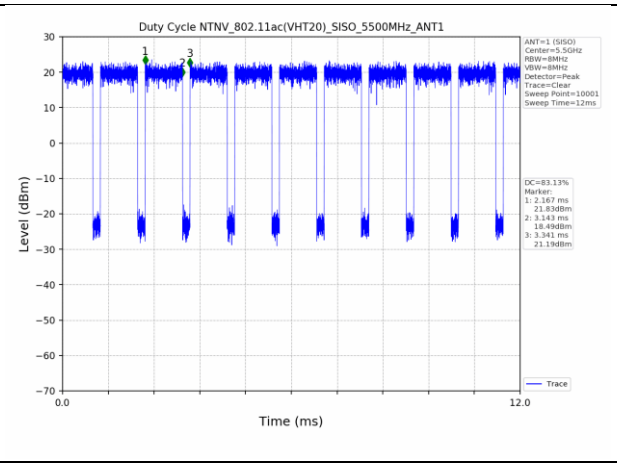

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5200MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.2GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.12%
Marker:
1: 0.509 ms
19.65dBm
2: 1.484 ms
16.02dBm
3: 1.682 ms
19.59dBm
Trace

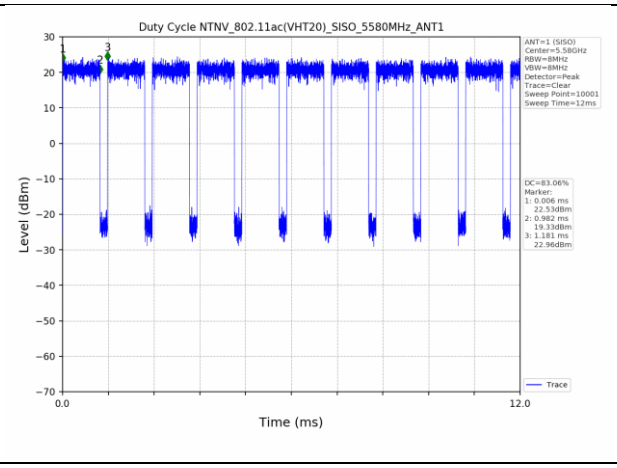

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5240MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.24GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.06%
Marker:
1: 6.984 ms
21.81dBm
2: 7.960 ms
18.96dBm
3: 8.159 ms
22.39dBm
Trace

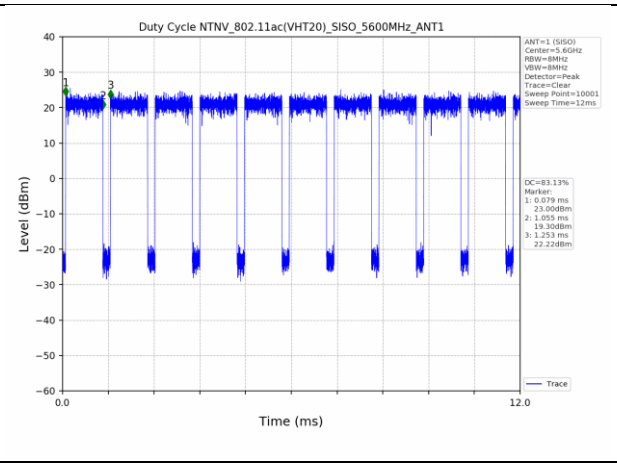

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5260MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.26GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.12%
Marker:
1: 0.556 ms
21.91dBm
2: 1.531 ms
18.87dBm
3: 1.729 ms
21.56dBm
Trace

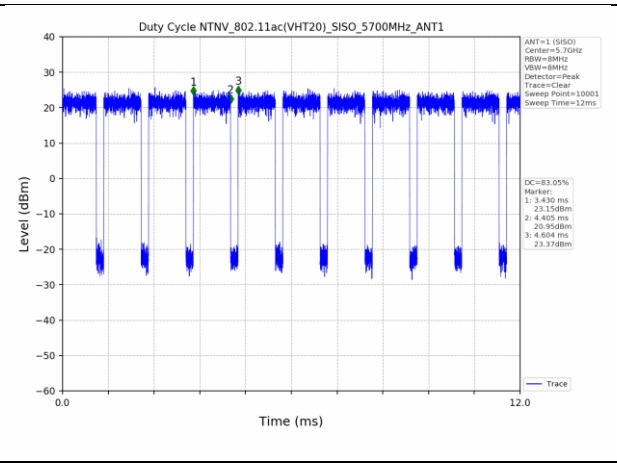

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5300MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.3GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=82.98%
Marker:
1: 0.605 ms
21.08dBm
2: 1.580 ms
17.24dBm
3: 1.780 ms
21.29dBm
Trace

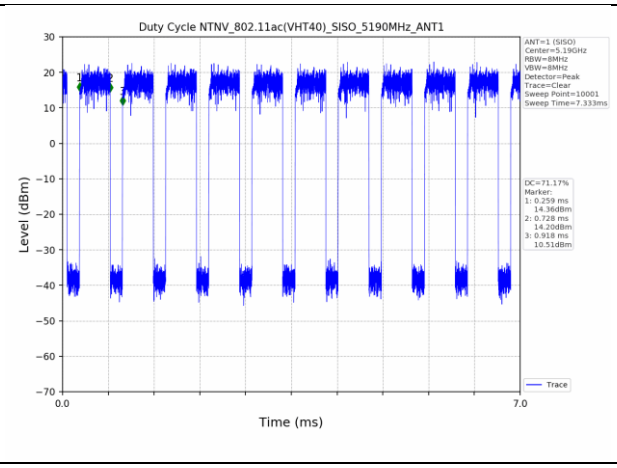

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5320MHz_ANT1
ANT=1 (SISO)
Center=5.32GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.12%
Marker:
1: 0.827 ms
20.51dBm
2: 1.802 ms
17.37dBm
3: 2.000 ms
20.97dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

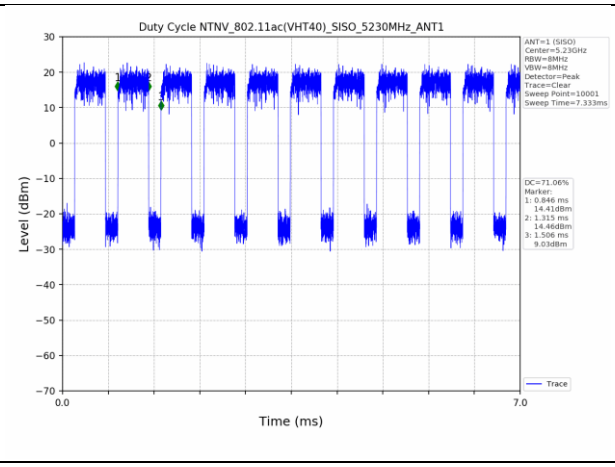

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5500MHz_ANT1
ANT=1 (SISO)
Center=5.5GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.13%
Marker:
1: 2.167 ms
21.83dBm
2: 3.143 ms
18.49dBm
3: 3.341 ms
21.19dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

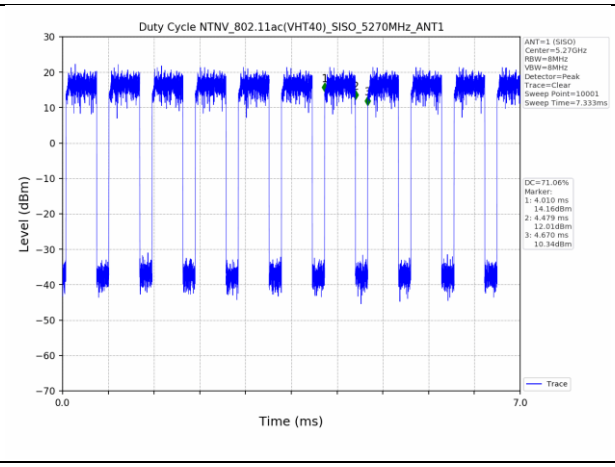

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5580MHz_ANT1
ANT=1 (SISO)
Center=5.58GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.06%
Marker:
1: 0.006 ms
22.53dBm
2: 0.982 ms
19.33dBm
3: 1.181 ms
22.96dBm
Trace
Level (dBm)
Time (ms)
0.0
12.0

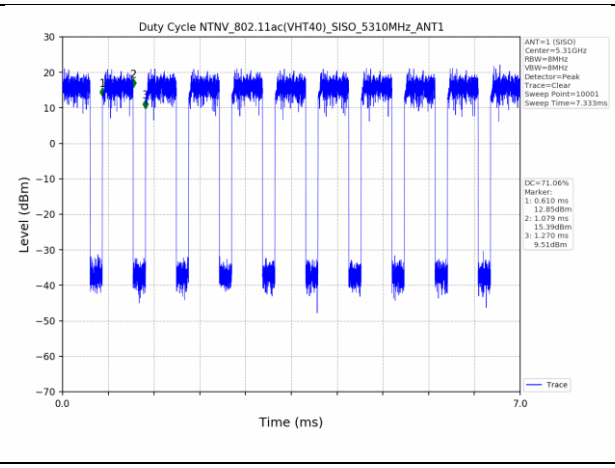

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5600MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.6GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.13%
Marker:
1: 0.079 ms
23.00dBm
2: 1.055 ms
19.30dBm
3: 1.253 ms
22.22dBm
Trace

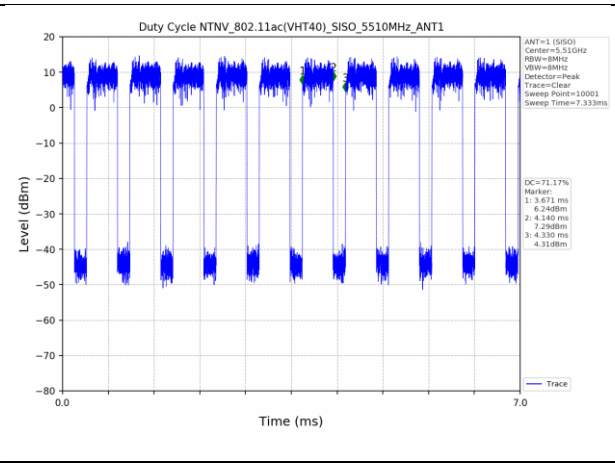

Duty Cycle NTNV_802.11ac(VHT20)_SISO_5700MHz_ANT1
Level (dBm)
Time (ms)
0.0
12.0
ANT=1 (SISO)
Center=5.7GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=12ms
DC=83.05%
Marker:
1: 3.430 ms
23.15dBm
2: 4.405 ms
20.95dBm
3: 4.604 ms
23.37dBm
Trace

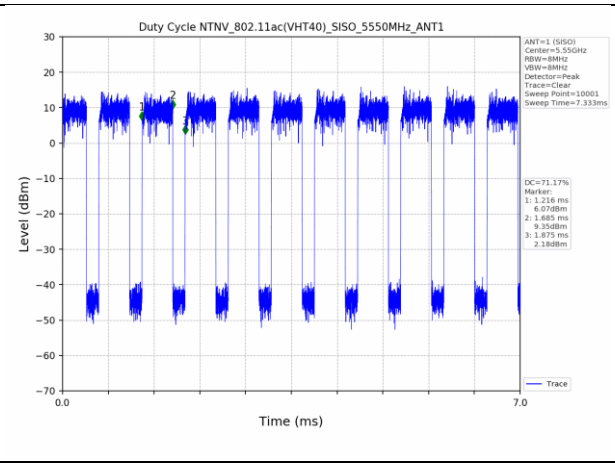

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5190MHz_ANT1
Level (dBm)
Time (ms)
0.0
7.0
ANT=1 (SISO)
Center=5.19GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.17%
Marker:
1: 0.259 ms
14.36dBm
2: 0.728 ms
14.20dBm
3: 0.918 ms
10.51dBm
Trace

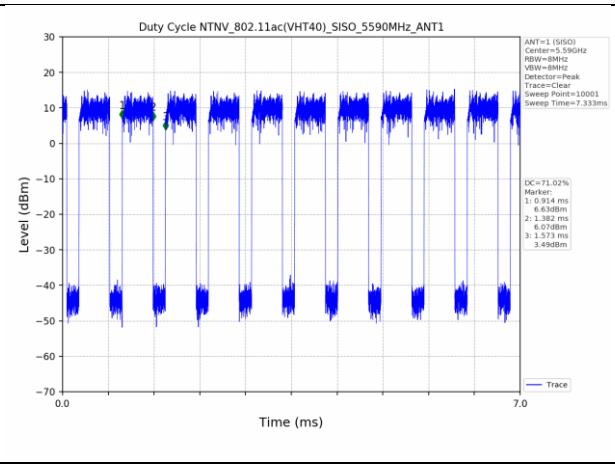

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
Center=5.23GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.06%
Marker:
1: 0.846 ms
14.41dBm
2: 1.315 ms
14.46dBm
3: 1.506 ms
9.03dBm
Trace
Level (dBm)
Time (ms)
0.0
7.0

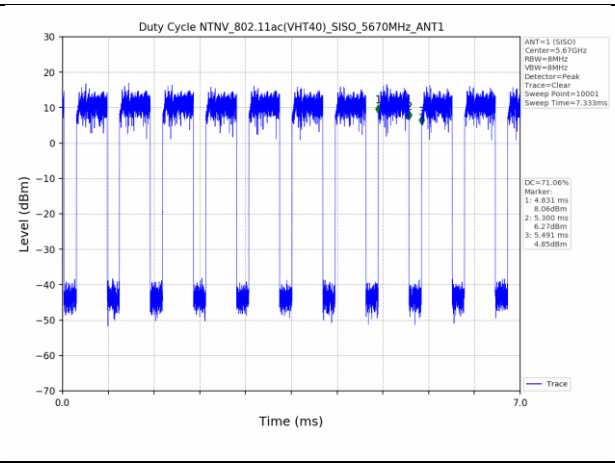

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5270MHz_ANT1
ANT=1 (SISO)
Center=5.27GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.06%
Marker:
1: 4.010 ms
14.16dBm
2: 4.479 ms
12.01dBm
3: 4.670 ms
10.34dBm
Trace
Level (dBm)
Time (ms)
0.0
7.0

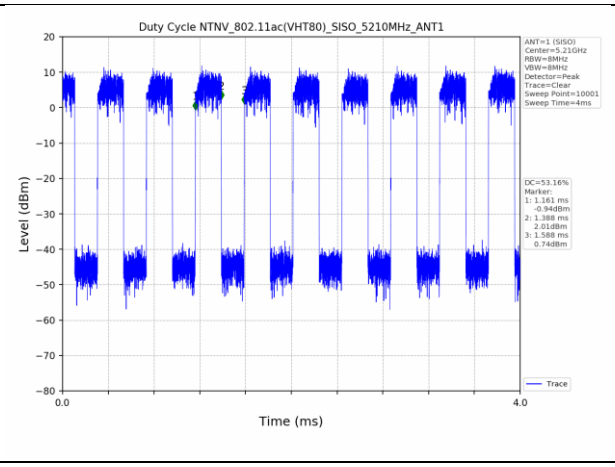

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5310MHz_ANT1
ANT=1 (SISO)
Center=5.31GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.06%
Marker:
1: 0.610 ms
12.85dBm
2: 1.079 ms
15.39dBm
3: 1.270 ms
9.51dBm
Trace
Level (dBm)
Time (ms)
0.0
7.0

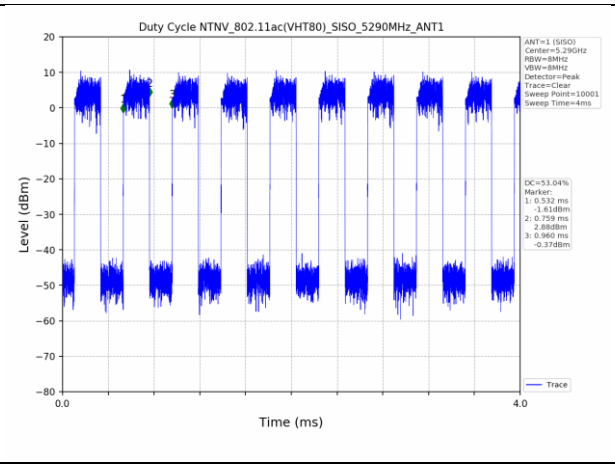

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5510MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.51GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.17%
Marker:
1: 3.671 ms
6.24dBm
2: 4.140 ms
7.29dBm
3: 4.330 ms
4.31dBm
Trace

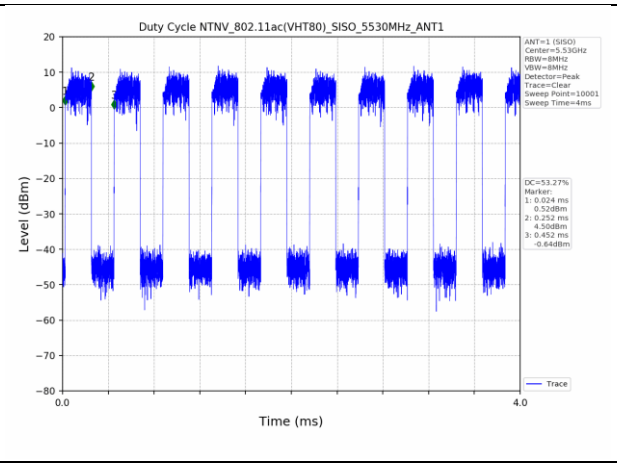

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5550MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.55GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.17%
Marker:
1: 1.216 ms
6.07dBm
2: 1.685 ms
9.35dBm
3: 1.875 ms
2.18dBm
Trace

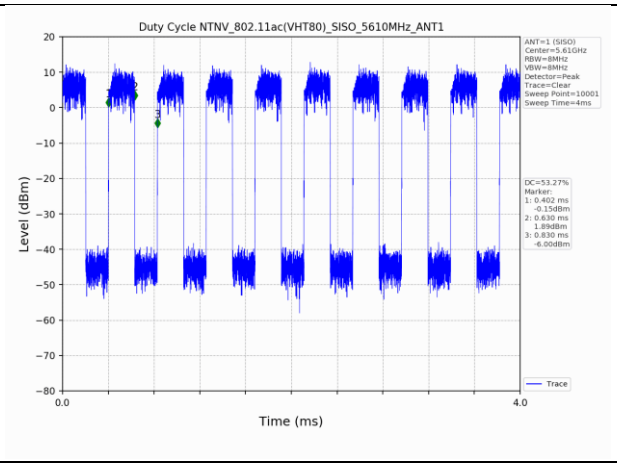

Duty Cycle NTNV_802.11ac(VHT40)_SISO_5590MHz_ANT1
Level (dBm)
Time (ms)
ANT=1 (SISO)
Center=5.59GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.02%
Marker:
1: 0.914 ms
6.63dBm
2: 1.382 ms
6.07dBm
3: 1.573 ms
3.49dBm
Trace


Duty Cycle NTNV_802.11ac(VHT40)_SISO_5670MHz_ANT1
ANT=1 (SISO)
Center=5.67GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=7.333ms
DC=71.06%
Marker:
1: 4.831 ms
8.06dBm
2: 5.300 ms
6.27dBm
3: 5.491 ms
4.85dBm
Trace
Level (dBm)
Time (ms)
0.0
7.0


Duty Cycle NTNV_802.11ac(VHT80)_SISO_5210MHz_ANT1
ANT=1 (SISO)
Center=5.21GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=4ms
DC=53.16%
Marker:
1: 1.161 ms
-0.94dBm
2: 1.388 ms
2.01dBm
3: 1.588 ms
0.74dBm
Trace
Level (dBm)
Time (ms)
0.0
4.0


Duty Cycle NTNV_802.11ac(VHT80)_SISO_5290MHz_ANT1
ANT=1 (SISO)
Center=5.29GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=4ms
DC=53.04%
Marker:
1: 0.532 ms
-1.61dBm
2: 0.759 ms
2.88dBm
3: 0.960 ms
-0.37dBm
Trace
Level (dBm)
Time (ms)
0.0
4.0


Duty Cycle NTNV_802.11ac(VHT80)_SISO_5530MHz_ANT1
ANT=1 (SISO)
Center=5.53GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=4ms
DC=53.27%
Marker:
1: 0.024 ms
0.52dBm
2: 0.252 ms
4.50dBm
3: 0.452 ms
-0.64dBm
Trace
Level (dBm)
Time (ms)
0.0
4.0


Duty Cycle NTNV_802.11ac(VHT80)_SISO_5610MHz_ANT1
ANT=1 (SISO)
Center=5.61GHz
RBW=8MHz
VBW=8MHz
Detector=Peak
Trace=Clear
Sweep Point=10001
Sweep Time=4ms
DC=53.27%
Marker:
1: 0.402 ms
-0.15dBm
2: 0.630 ms
1.89dBm
3: 0.830 ms
-6.00dBm
Trace
Level (dBm)
Time (ms)
0.0
4.0

2. Bandwidth

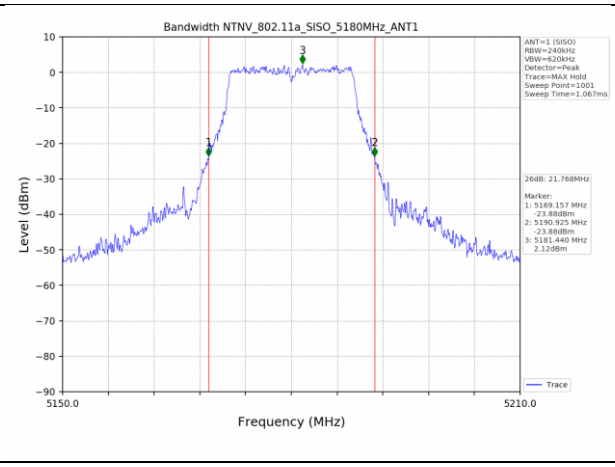
2.1 Test Result

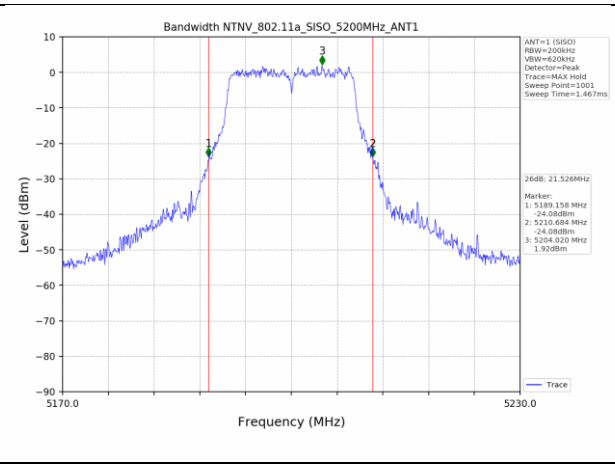
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	21.768	Only for Report Use	PASS
	5200	SISO	1	21.526	Only for Report Use	PASS
	5240	SISO	1	21.695	Only for Report Use	PASS
	5260	SISO	1	21.456	Only for Report Use	PASS
	5300	SISO	1	22.020	Only for Report Use	PASS
	5320	SISO	1	21.353	Only for Report Use	PASS
	5500	SISO	1	21.675	Only for Report Use	PASS
	5580	SISO	1	21.088	Only for Report Use	PASS
	5600	SISO	1	21.516	Only for Report Use	PASS
	5700	SISO	1	21.739	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	21.955	Only for Report Use	PASS
	5200	SISO	1	21.760	Only for Report Use	PASS
	5240	SISO	1	21.984	Only for Report Use	PASS
	5260	SISO	1	21.857	Only for Report Use	PASS
	5300	SISO	1	21.912	Only for Report Use	PASS
	5320	SISO	1	22.000	Only for Report Use	PASS
	5500	SISO	1	21.664	Only for Report Use	PASS
	5580	SISO	1	21.715	Only for Report Use	PASS
	5600	SISO	1	22.098	Only for Report Use	PASS
	5700	SISO	1	21.829	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	42.957	Only for Report Use	PASS
	5230	SISO	1	42.116	Only for Report Use	PASS
	5270	SISO	1	41.807	Only for Report Use	PASS
	5310	SISO	1	42.979	Only for Report Use	PASS
	5510	SISO	1	42.483	Only for Report Use	PASS
	5550	SISO	1	42.859	Only for Report Use	PASS
	5590	SISO	1	42.652	Only for Report	PASS

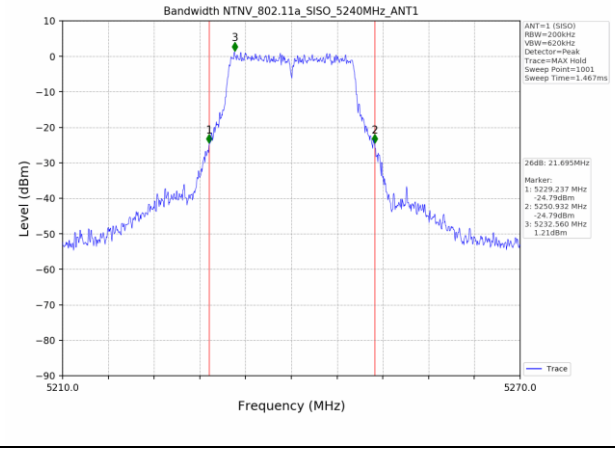
					Use	
	5670	SISO	1	43.508	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	46.774	Only for Report Use	PASS
	5200	SISO	1	44.490	Only for Report Use	PASS
	5240	SISO	1	45.161	Only for Report Use	PASS
	5260	SISO	1	44.803	Only for Report Use	PASS
	5300	SISO	1	44.324	Only for Report Use	PASS
	5320	SISO	1	43.015	Only for Report Use	PASS
	5500	SISO	1	47.154	Only for Report Use	PASS
	5580	SISO	1	46.670	Only for Report Use	PASS
	5600	SISO	1	46.883	Only for Report Use	PASS
	5700	SISO	1	44.329	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	82.936	Only for Report Use	PASS
	5230	SISO	1	84.467	Only for Report Use	PASS
	5270	SISO	1	83.801	Only for Report Use	PASS
	5310	SISO	1	85.154	Only for Report Use	PASS
	5510	SISO	1	42.220	Only for Report Use	PASS
	5550	SISO	1	42.563	Only for Report Use	PASS
	5590	SISO	1	42.583	Only for Report Use	PASS
	5670	SISO	1	42.209	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	83.700	Only for Report Use	PASS
	5290	SISO	1	84.781	Only for Report Use	PASS
	5530	SISO	1	83.872	Only for Report Use	PASS
	5610	SISO	1	83.479	Only for Report Use	PASS

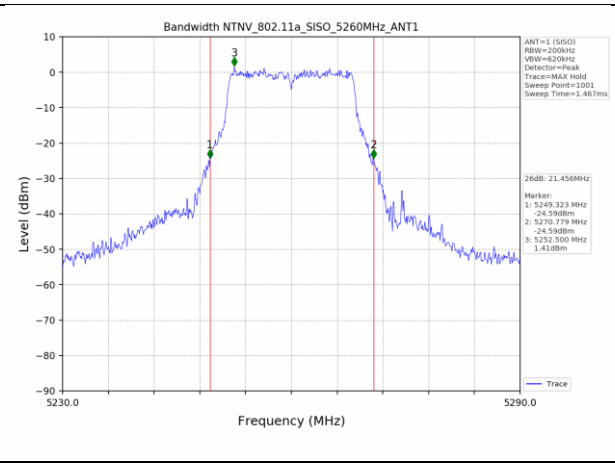
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	17.043	Only for Report Use
	5200	SISO	1	17.014	Only for Report Use
	5240	SISO	1	17.082	Only for Report Use
	5260	SISO	1	17.019	Only for Report Use
	5300	SISO	1	16.926	Only for Report Use
	5320	SISO	1	17.006	Only for Report Use
	5500	SISO	1	17.083	Only for Report Use
	5580	SISO	1	17.065	Only for Report Use
	5600	SISO	1	17.050	Only for Report Use
	5700	SISO	1	16.985	Only for Report Use
802.11n(HT20)	5180	SISO	1	18.045	Only for Report Use
	5200	SISO	1	18.103	Only for Report Use
	5240	SISO	1	18.031	Only for Report Use
	5260	SISO	1	18.087	Only for Report Use
	5300	SISO	1	18.086	Only for Report Use
	5320	SISO	1	18.024	Only for Report Use
	5500	SISO	1	18.103	Only for Report Use
	5580	SISO	1	18.039	Only for Report Use
	5600	SISO	1	18.080	Only for Report Use
	5700	SISO	1	18.052	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.613	Only for Report Use
	5230	SISO	1	36.499	Only for Report Use
	5270	SISO	1	36.422	Only for Report Use
	5310	SISO	1	36.690	Only for Report Use
	5510	SISO	1	36.553	Only for Report Use
	5550	SISO	1	36.728	Only for Report Use
	5590	SISO	1	36.556	Only for Report Use
	5670	SISO	1	36.645	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	25.720	Only for Report Use
	5200	SISO	1	24.387	Only for Report Use
	5240	SISO	1	24.289	Only for Report Use
	5260	SISO	1	23.676	Only for Report Use
	5300	SISO	1	22.474	Only for Report Use
	5320	SISO	1	22.376	Only for Report Use
	5500	SISO	1	27.729	Only for Report Use
	5580	SISO	1	29.036	Only for Report Use
	5600	SISO	1	28.679	Only for Report Use
	5700	SISO	1	24.027	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	46.876	Only for Report Use
	5230	SISO	1	47.514	Only for Report Use
	5270	SISO	1	45.218	Only for Report Use
	5310	SISO	1	45.825	Only for Report Use
	5510	SISO	1	36.642	Only for Report Use
	5550	SISO	1	36.714	Only for Report Use
	5590	SISO	1	36.544	Only for Report Use
	5670	SISO	1	36.610	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	74.693	Only for Report Use
	5290	SISO	1	75.006	Only for Report Use
	5530	SISO	1	75.021	Only for Report Use
	5610	SISO	1	74.994	Only for Report Use

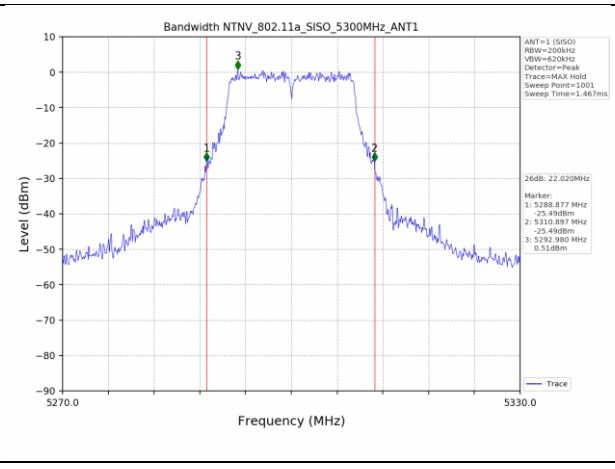
2.2 Test Graph - Emission Bandwidth

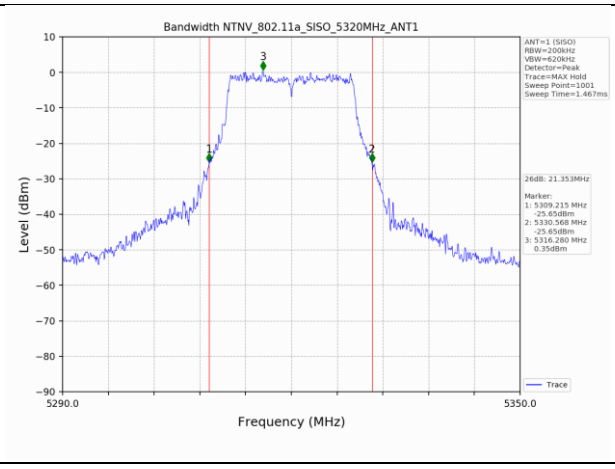


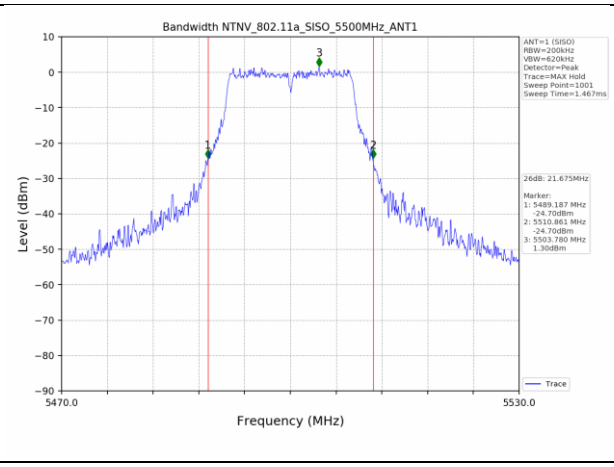


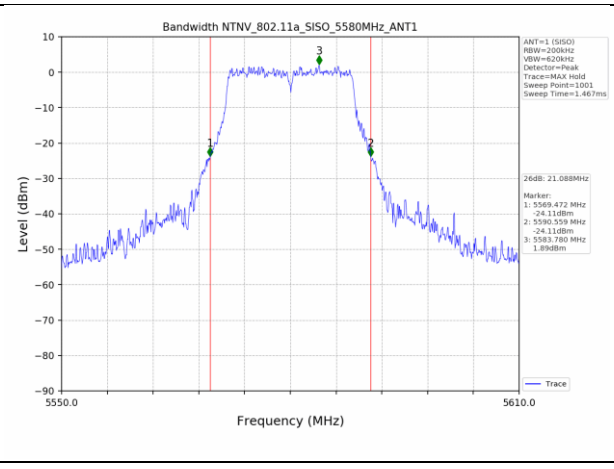


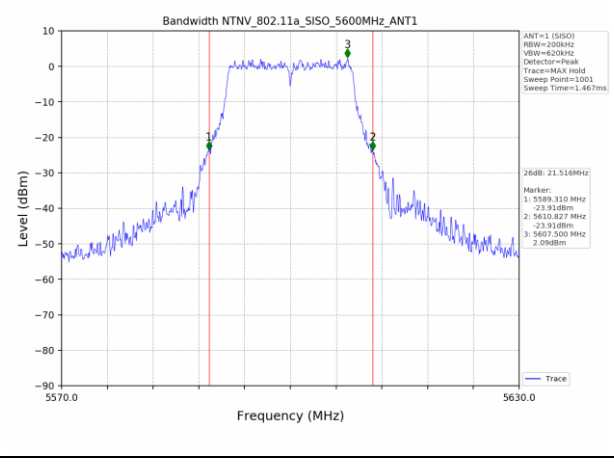

Bandwidth NTNV_802.11a_SISO_5260MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.456MHz
Marker:
1: 5249.323 MHz
-24.59dBm
2: 5270.779 MHz
-24.59dBm
3: 5252.500 MHz
1.41dBm
Trace
Level (dBm)
Frequency (MHz)
5230.0
5290.0

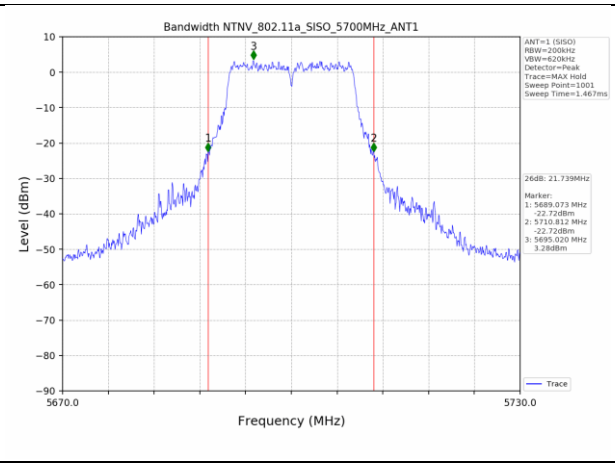

Bandwidth NTNV_802.11a_SISO_5300MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 22.020MHz
Marker:
1: 5288.877 MHz
-25.49dBm
2: 5310.897 MHz
-25.49dBm
3: 5292.980 MHz
0.51dBm
Trace
Level (dBm)
Frequency (MHz)
5270.0
5330.0

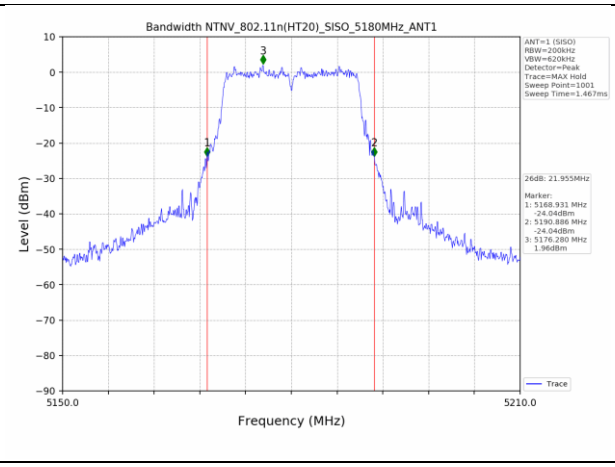

Bandwidth NTNV_802.11a_SISO_5320MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.353MHz
Marker:
1: 5309.215 MHz
-25.65dBm
2: 5330.568 MHz
-25.65dBm
3: 5316.280 MHz
0.35dBm
Trace
Level (dBm)
Frequency (MHz)
5290.0
5350.0

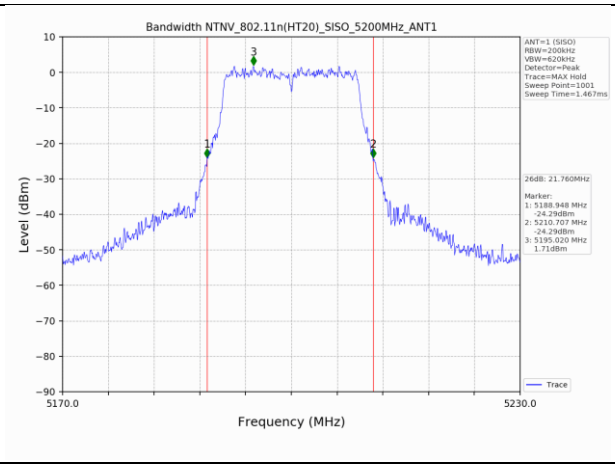

Bandwidth NTNV_802.11a_SISO_5500MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.675MHz
Marker:
1: 5489.187 MHz
-24.70dBm
2: 5510.861 MHz
-24.70dBm
3: 5503.780 MHz
1.30dBm
Level (dBm)
Frequency (MHz)
5470.0
5530.0
Trace

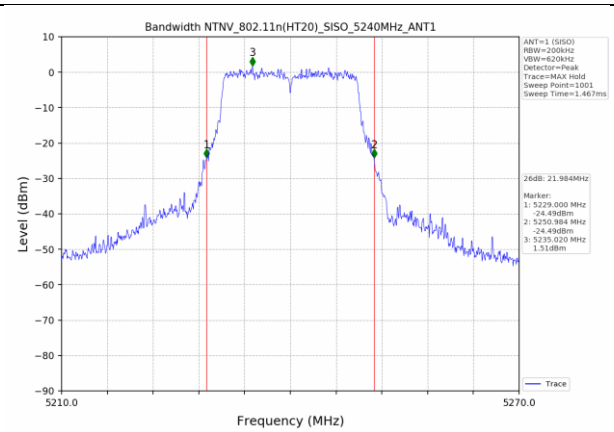

Bandwidth NTNV_802.11a_SISO_5580MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.088MHz
Marker:
1: 5569.472 MHz
-24.11dBm
2: 5590.559 MHz
-24.11dBm
3: 5583.780 MHz
1.89dBm
Level (dBm)
Frequency (MHz)
5550.0
5610.0
Trace

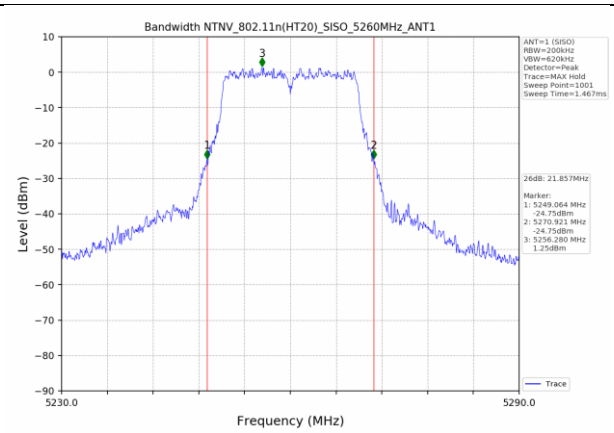

Bandwidth NTNV_802.11a_SISO_5600MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.516MHz
Marker:
1: 5589.310 MHz
-23.91dBm
2: 5610.827 MHz
-23.91dBm
3: 5607.500 MHz
2.09dBm
Level (dBm)
Frequency (MHz)
5570.0
5630.0
Trace

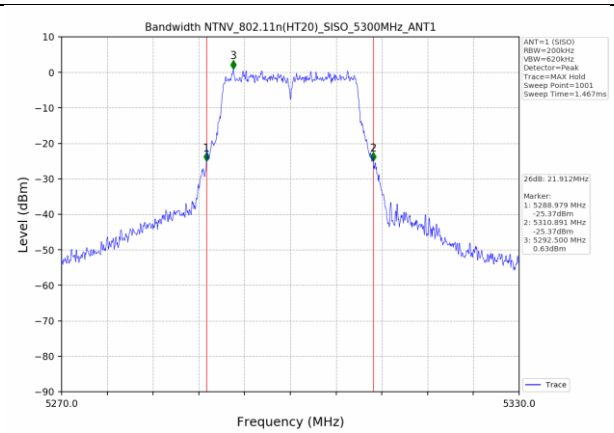

Bandwidth NTNV_802.11a_SISO_5700MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.739MHz
Marker:
1: 5689.073 MHz
-22.72dBm
2: 5710.812 MHz
-22.72dBm
3: 5695.020 MHz
3.28dBm
Level (dBm)
Frequency (MHz)
5670.0
5730.0
Trace

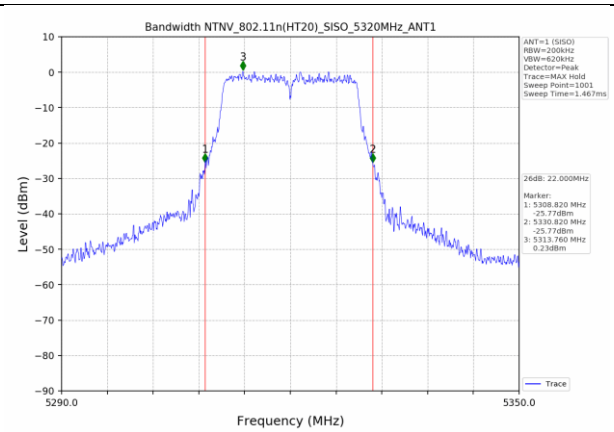

Bandwidth NTNV_802.11n(HT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.955MHz
Marker:
1: 5168.931 MHz
-24.04dBm
2: 5190.886 MHz
-24.04dBm
3: 5176.280 MHz
1.96dBm
Level (dBm)
Frequency (MHz)
5150.0
5210.0
Trace

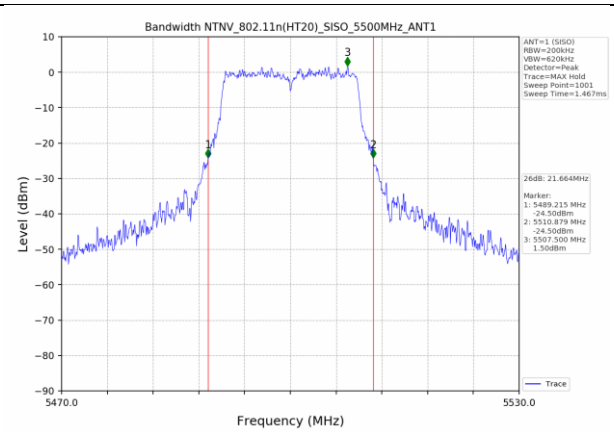

Bandwidth NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.760MHz
Marker:
1: 5188.948 MHz
-24.29dBm
2: 5210.707 MHz
-24.29dBm
3: 5195.020 MHz
1.71dBm
Level (dBm)
Frequency (MHz)
5170.0
5230.0
Trace

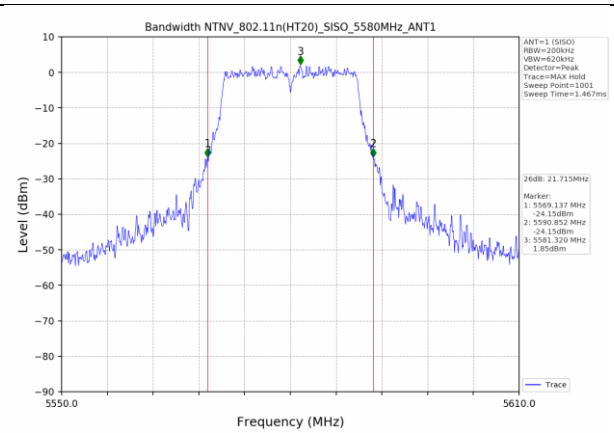

Bandwidth NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.984MHz
Marker:
1: 5229.000 MHz
-24.49dBm
2: 5250.984 MHz
-24.49dBm
3: 5235.020 MHz
1.51dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0

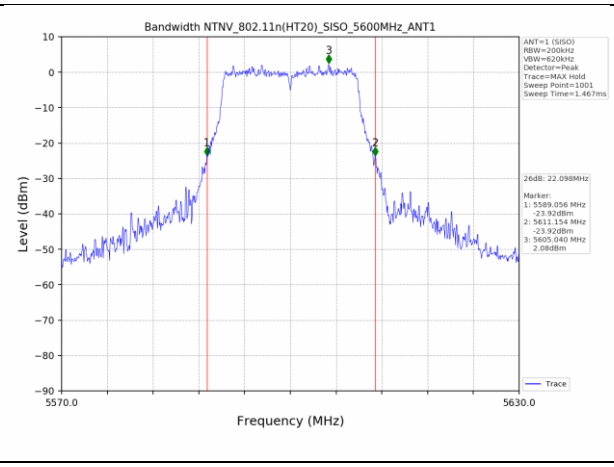

Bandwidth NTNV_802.11n(HT20)_SISO_5260MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.857MHz
Marker:
1: 5249.064 MHz
-24.75dBm
2: 5270.921 MHz
-24.75dBm
3: 5256.280 MHz
1.25dBm
Trace
Level (dBm)
Frequency (MHz)
5230.0
5290.0

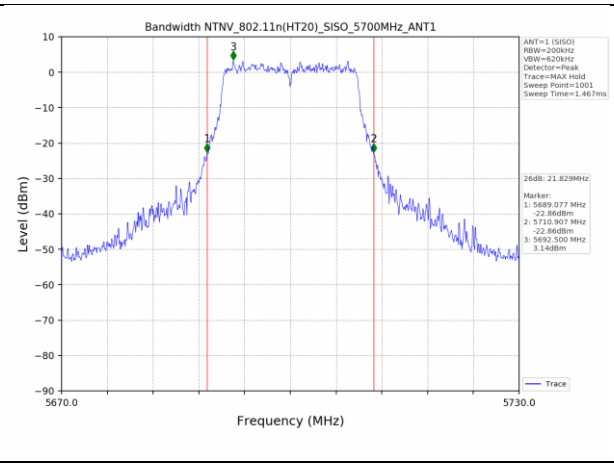

Bandwidth NTNV_802.11n(HT20)_SISO_5300MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.912MHz
Marker:
1: 5288.979 MHz
-25.37dBm
2: 5310.891 MHz
-25.37dBm
3: 5292.500 MHz
0.63dBm
Trace
Level (dBm)
Frequency (MHz)
5270.0
5330.0

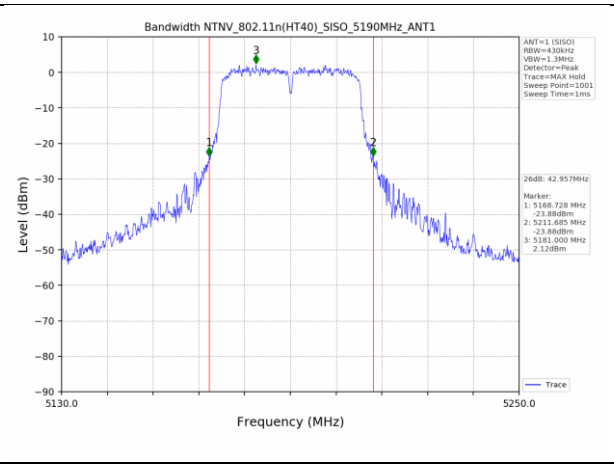

Bandwidth NTNV_802.11n(HT20)_SISO_5320MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 22.000MHz
Marker:
1: 5308.820 MHz
-25.77dBm
2: 5330.820 MHz
-25.77dBm
3: 5313.760 MHz
0.23dBm
Trace
Level (dBm)
Frequency (MHz)
5290.0
5350.0

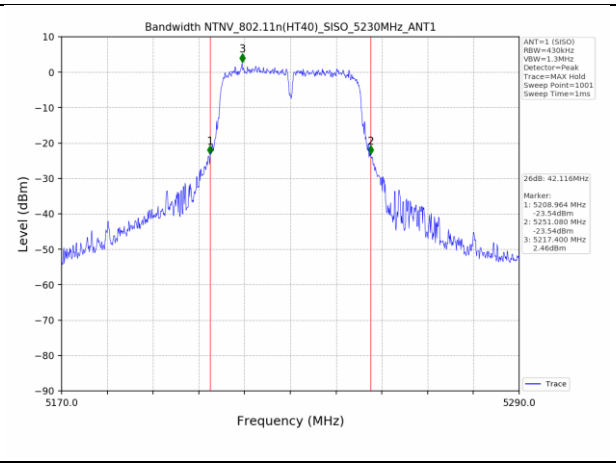

Bandwidth NTNV_802.11n(HT20)_SISO_5500MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.664MHz
Marker:
1: 5489.215 MHz
-24.50dBm
2: 5510.879 MHz
-24.50dBm
3: 5507.500 MHz
1.50dBm
Trace
Level (dBm)
Frequency (MHz)
5470.0
5530.0

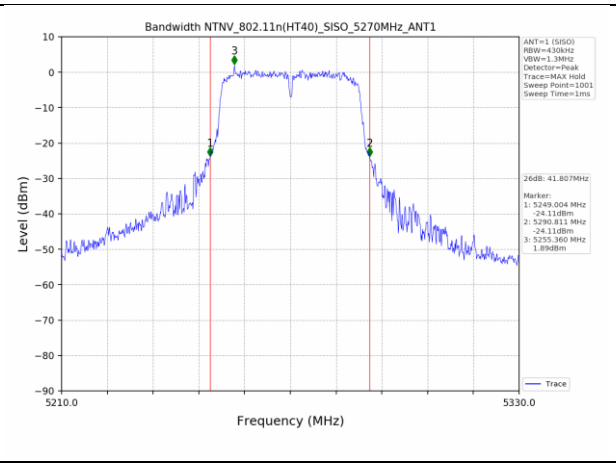

Bandwidth NTNV_802.11n(HT20)_SISO_5580MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.715MHz
Marker:
1: 5569.137 MHz
-24.15dBm
2: 5590.852 MHz
-24.15dBm
3: 5581.320 MHz
1.85dBm
Trace
Level (dBm)
Frequency (MHz)
5550.0
5610.0

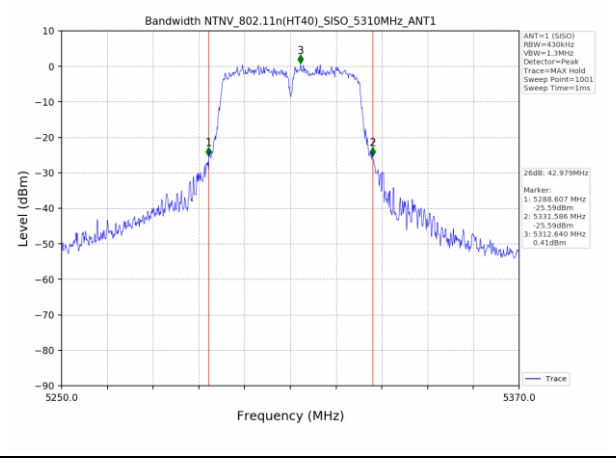

Bandwidth NTNV_802.11n(HT20)_SISO_5600MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 22.098MHz
Marker:
1: 5589.056 MHz
-23.92dBm
2: 5611.154 MHz
-23.92dBm
3: 5605.040 MHz
2.08dBm
Trace
Level (dBm)
Frequency (MHz)
5570.0
5630.0

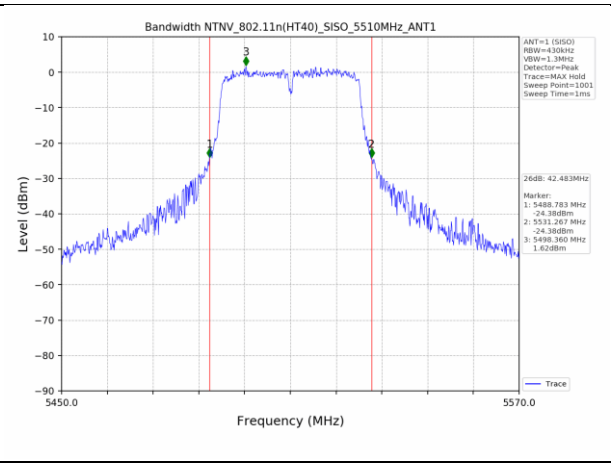

Bandwidth NTNV_802.11n(HT20)_SISO_5700MHz_ANT1
ANT=1 (SISO)
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 21.829MHz
Marker:
1: 5689.077 MHz
-22.86dBm
2: 5710.907 MHz
-22.86dBm
3: 5692.500 MHz
3.14dBm
Trace
Level (dBm)
Frequency (MHz)
5670.0
5730.0

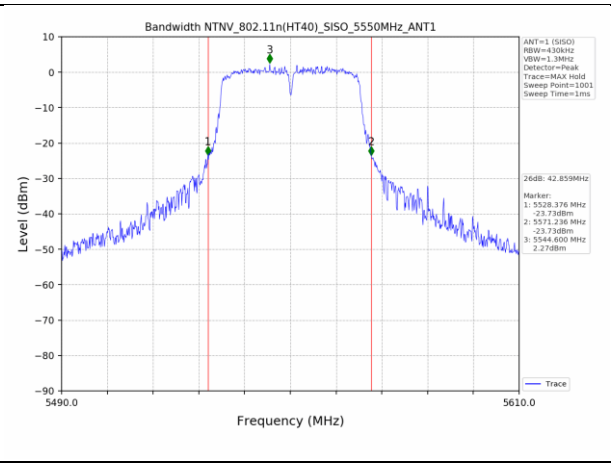

Bandwidth NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.957MHz
Marker:
1: 5168.728 MHz
-23.88dBm
2: 5211.685 MHz
-23.88dBm
3: 5181.000 MHz
2.12dBm
Trace
Level (dBm)
Frequency (MHz)
5130.0
5250.0

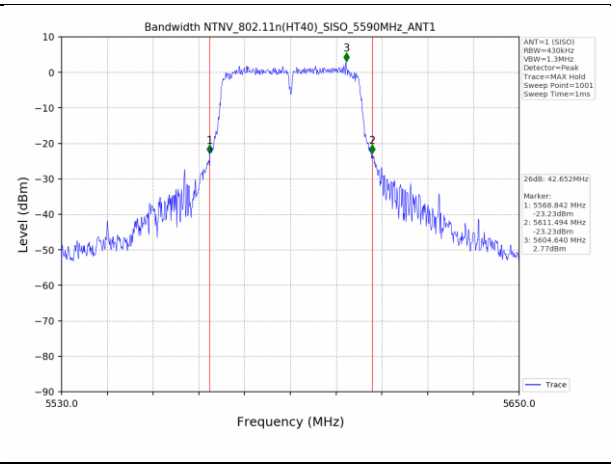

Bandwidth NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.116MHz
Marker:
1: 5208.964 MHz
-23.54dBm
2: 5251.080 MHz
-23.54dBm
3: 5217.400 MHz
2.46dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5290.0


Bandwidth NTNV_802.11n(HT40)_SISO_5270MHz_ANT1
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 41.807MHz
Marker:
1: 5249.004 MHz
-24.11dBm
2: 5290.811 MHz
-24.11dBm
3: 5255.360 MHz
1.89dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5330.0


Bandwidth NTNV_802.11n(HT40)_SISO_5310MHz_ANT1
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.979MHz
Marker:
1: 5288.607 MHz
-25.59dBm
2: 5331.586 MHz
-25.59dBm
3: 5312.640 MHz
0.41dBm
Trace
Level (dBm)
Frequency (MHz)
5250.0
5370.0


Bandwidth NTNV_802.11n(HT40)_SISO_5510MHz_ANT1
Level (dBm)
Frequency (MHz)
5450.0
5570.0
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.483MHz
Marker:
1: 5488.783 MHz
-24.38dBm
2: 5531.267 MHz
-24.38dBm
3: 5498.360 MHz
1.62dBm
Trace


Bandwidth NTNV_802.11n(HT40)_SISO_5550MHz_ANT1
Level (dBm)
Frequency (MHz)
5490.0
5610.0
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.859MHz
Marker:
1: 5528.376 MHz
-23.73dBm
2: 5571.236 MHz
-23.73dBm
3: 5544.600 MHz
2.27dBm
Trace


Bandwidth NTNV_802.11n(HT40)_SISO_5590MHz_ANT1
Level (dBm)
Frequency (MHz)
5530.0
5650.0
ANT=1 (SISO)
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 42.652MHz
Marker:
1: 5568.842 MHz
-23.23dBm
2: 5611.494 MHz
-23.23dBm
3: 5604.640 MHz
2.77dBm
Trace