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Appendix for 15.407

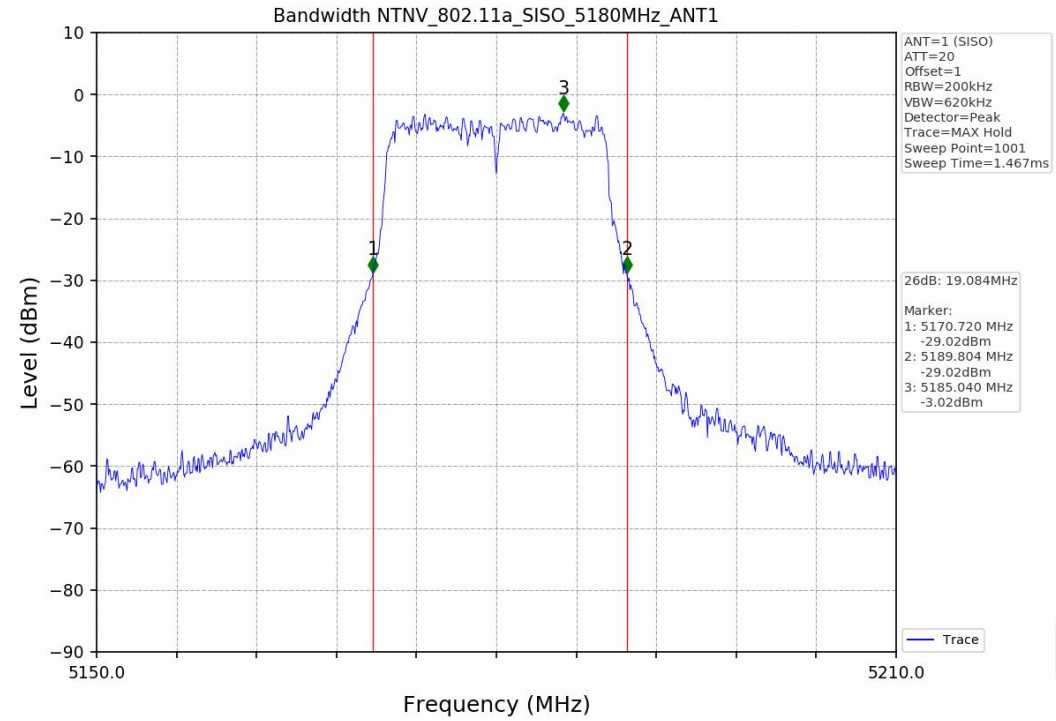
1. Bandwidth

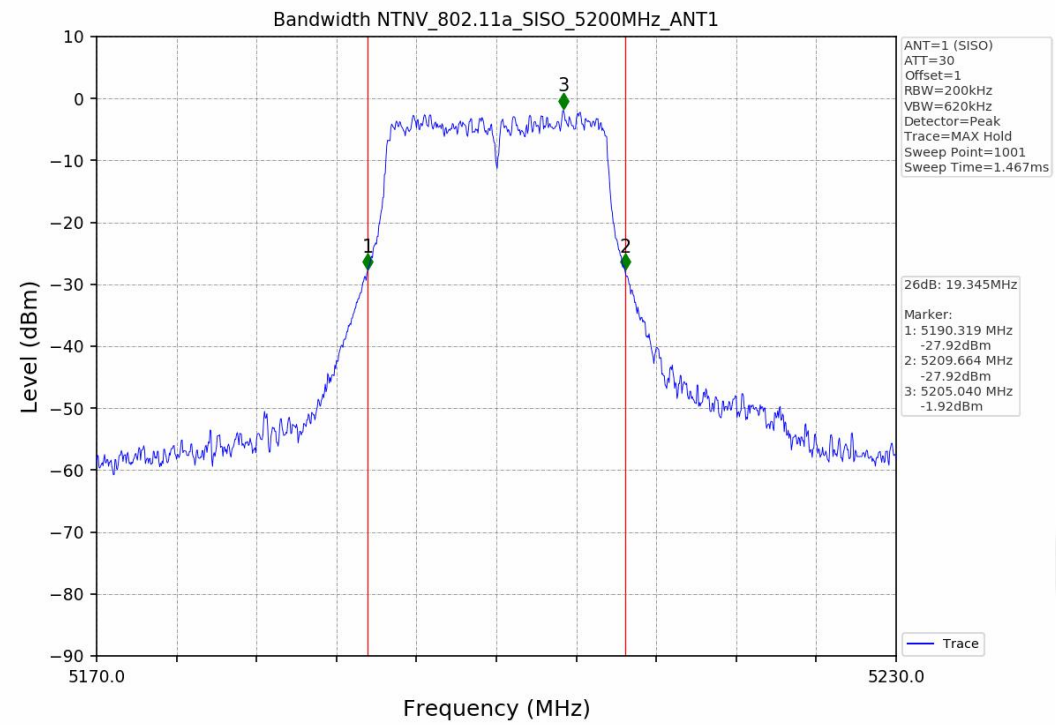
1.1 Test Result

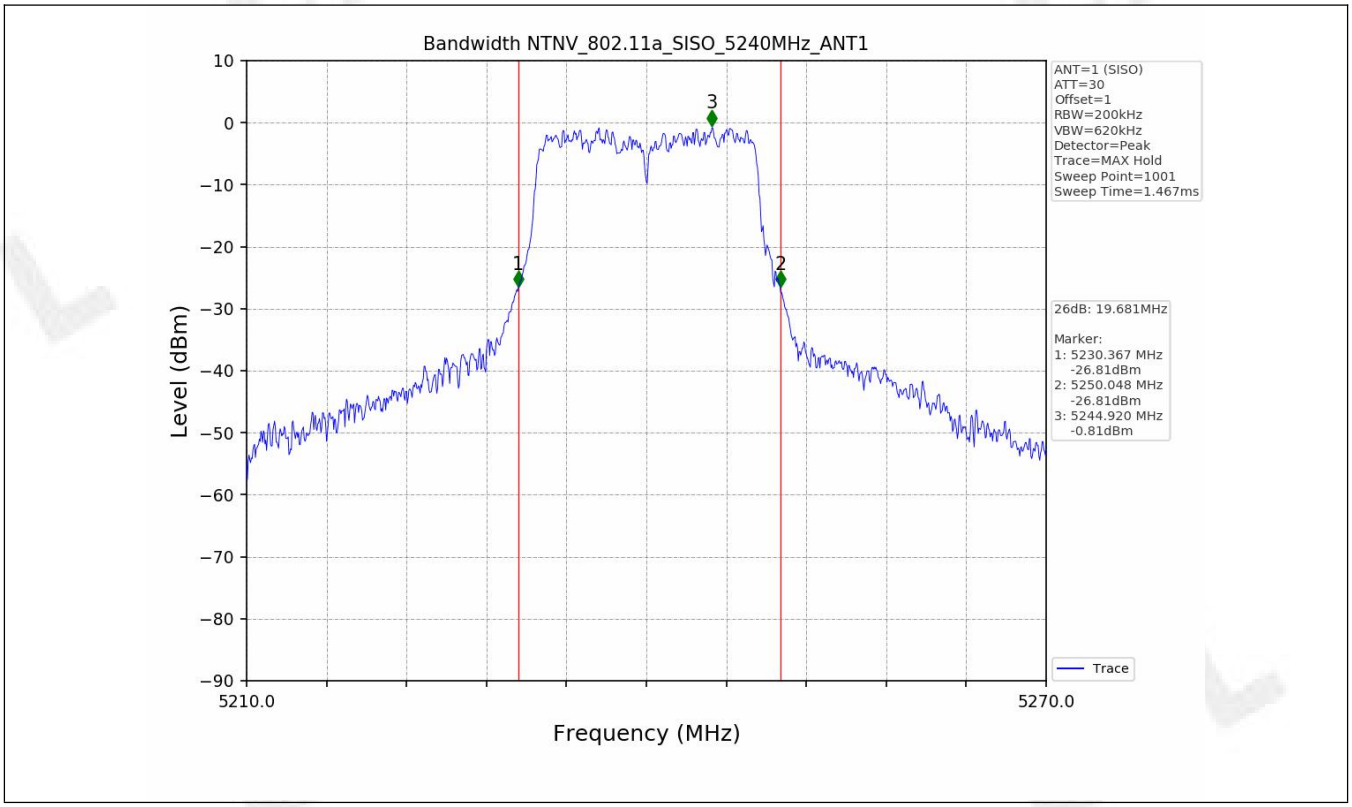
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	19.084	Only for Report Use	PASS
	5200	SISO	1	19.345	Only for Report Use	PASS
	5240	SISO	1	19.681	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	20.603	Only for Report Use	PASS
	5200	SISO	1	20.670	Only for Report Use	PASS
	5240	SISO	1	20.701	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	40.964	Only for Report Use	PASS
	5230	SISO	1	40.555	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	20.361	Only for Report Use	PASS
	5200	SISO	1	20.396	Only for Report Use	PASS
	5240	SISO	1	20.571	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	40.828	Only for Report Use	PASS
	5230	SISO	1	40.673	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	81.522	Only for Report Use	PASS

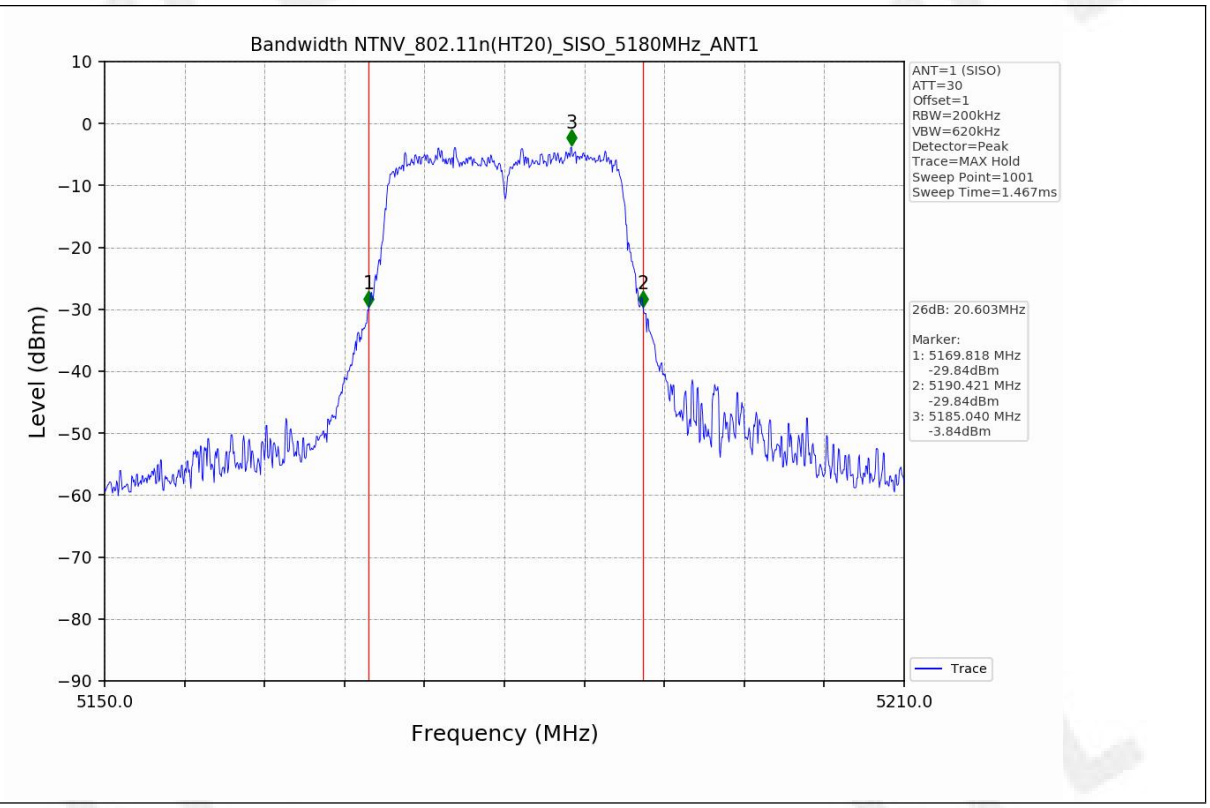
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5180	SISO	1	16.538	Only for Report Use
	5200	SISO	1	16.648	Only for Report Use
	5240	SISO	1	16.649	Only for Report Use
802.11n(HT20)	5180	SISO	1	17.667	Only for Report Use
	5200	SISO	1	17.704	Only for Report Use
	5240	SISO	1	17.731	Only for Report Use
802.11n(HT40)	5190	SISO	1	36.402	Only for Report Use
	5230	SISO	1	36.314	Only for Report Use
802.11ac(VHT20)	5180	SISO	1	17.736	Only for Report Use
	5200	SISO	1	17.662	Only for Report Use
	5240	SISO	1	17.699	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.282	Only for Report Use
	5230	SISO	1	36.432	Only for Report Use
802.11ac(VHT80)	5210	SISO	1	75.087	Only for Report Use

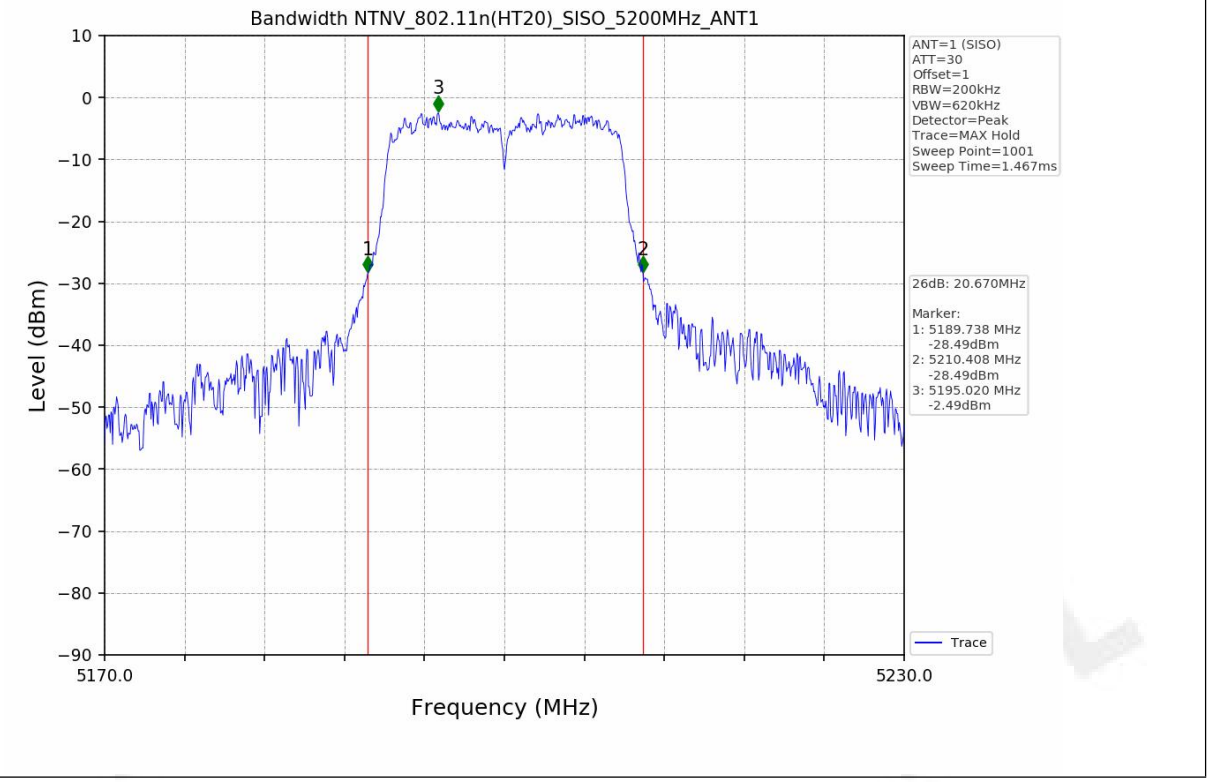
1.2 Test Graph - Emission Bandwidth

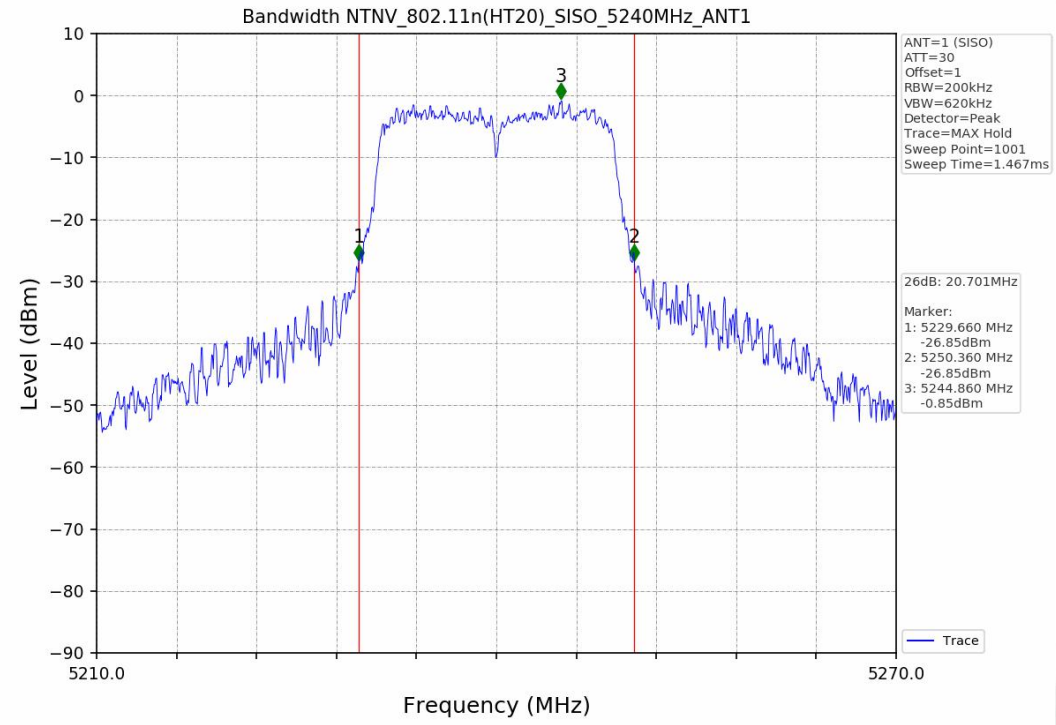


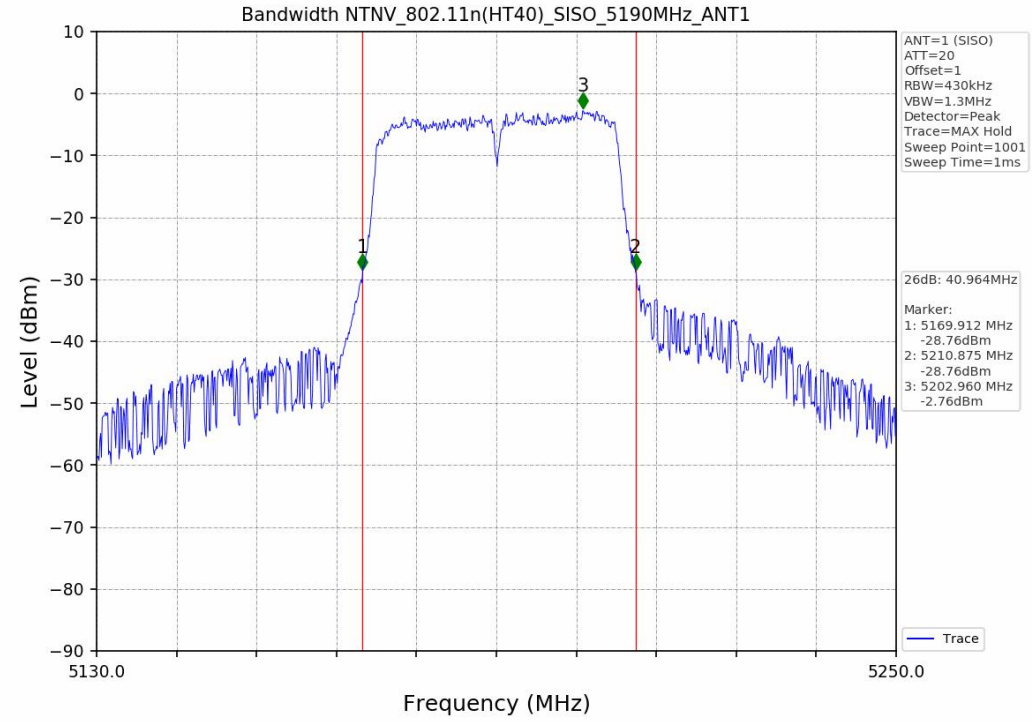


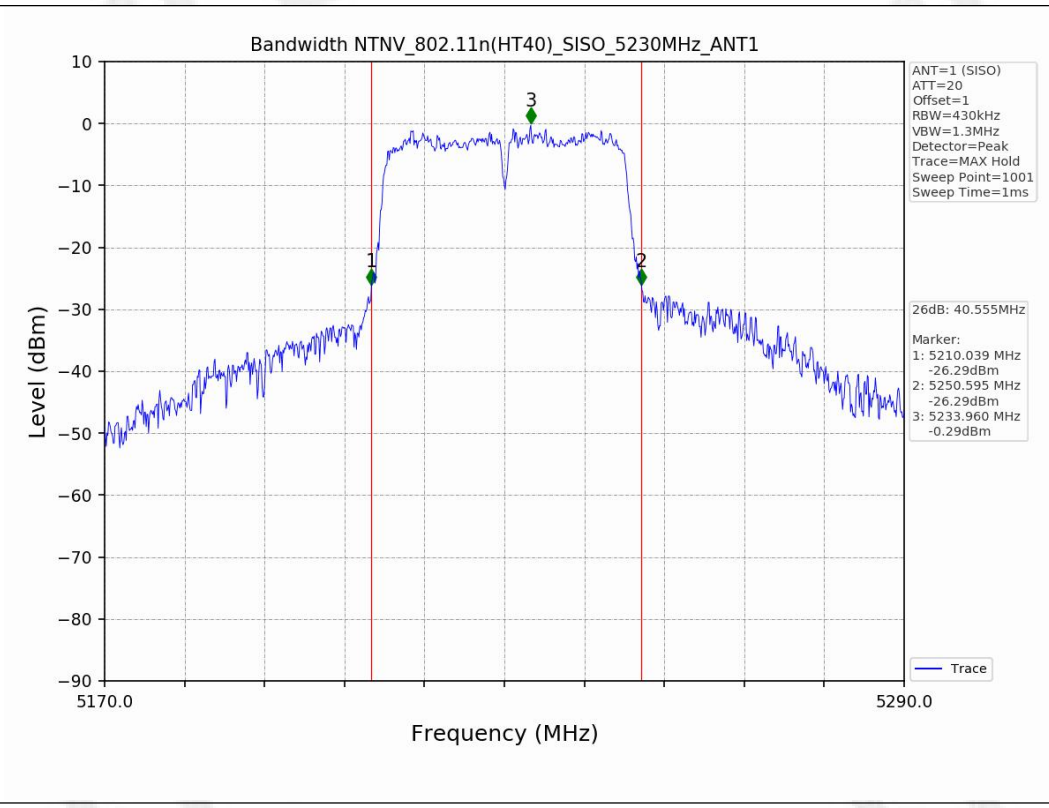

Bandwidth NTNV_802.11a_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 19.681MHz
Marker:
1: 5230.367 MHz
-26.81dBm
2: 5250.048 MHz
-26.81dBm
3: 5244.920 MHz
-0.81dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
1
2
3

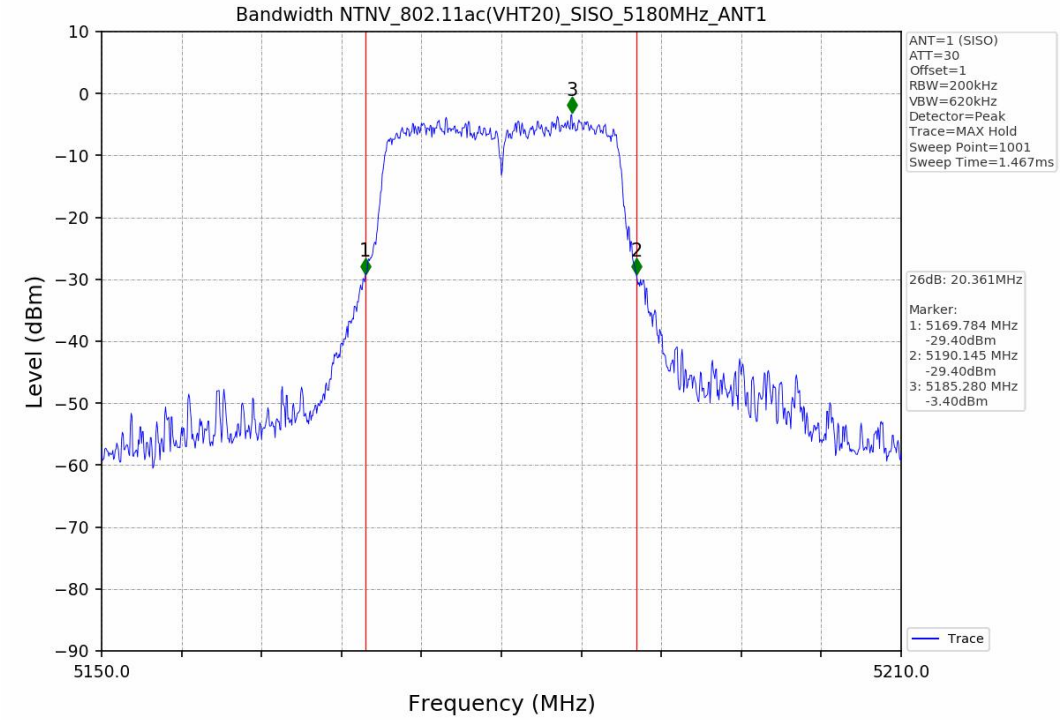

Bandwidth NTNV_802.11n(HT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.603MHz
Marker:
1: 5169.818 MHz
-29.84dBm
2: 5190.421 MHz
-29.84dBm
3: 5185.040 MHz
-3.84dBm
Trace
Level (dBm)
Frequency (MHz)
5150.0
5210.0

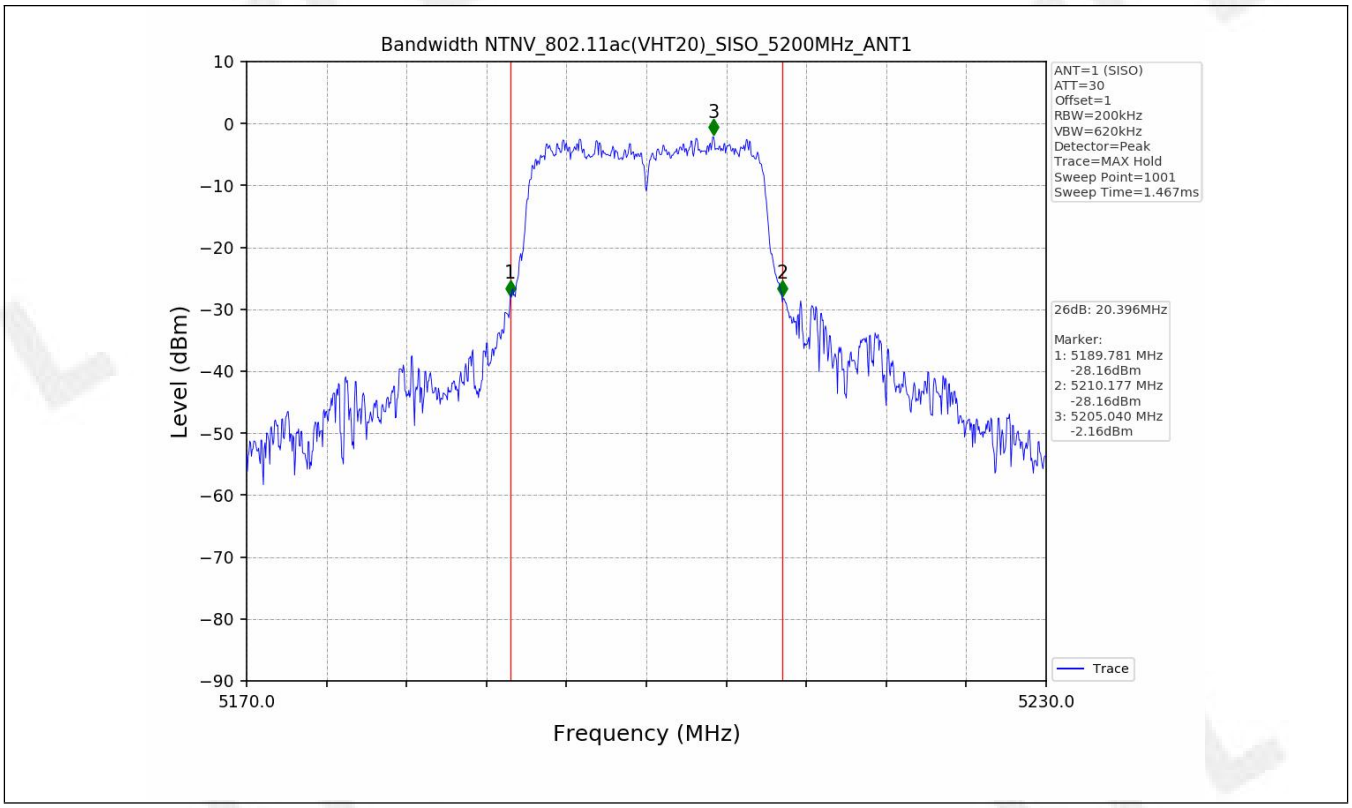

Bandwidth NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.670MHz
Marker:
1: 5189.738 MHz
-28.49dBm
2: 5210.408 MHz
-28.49dBm
3: 5195.020 MHz
-2.49dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5230.0

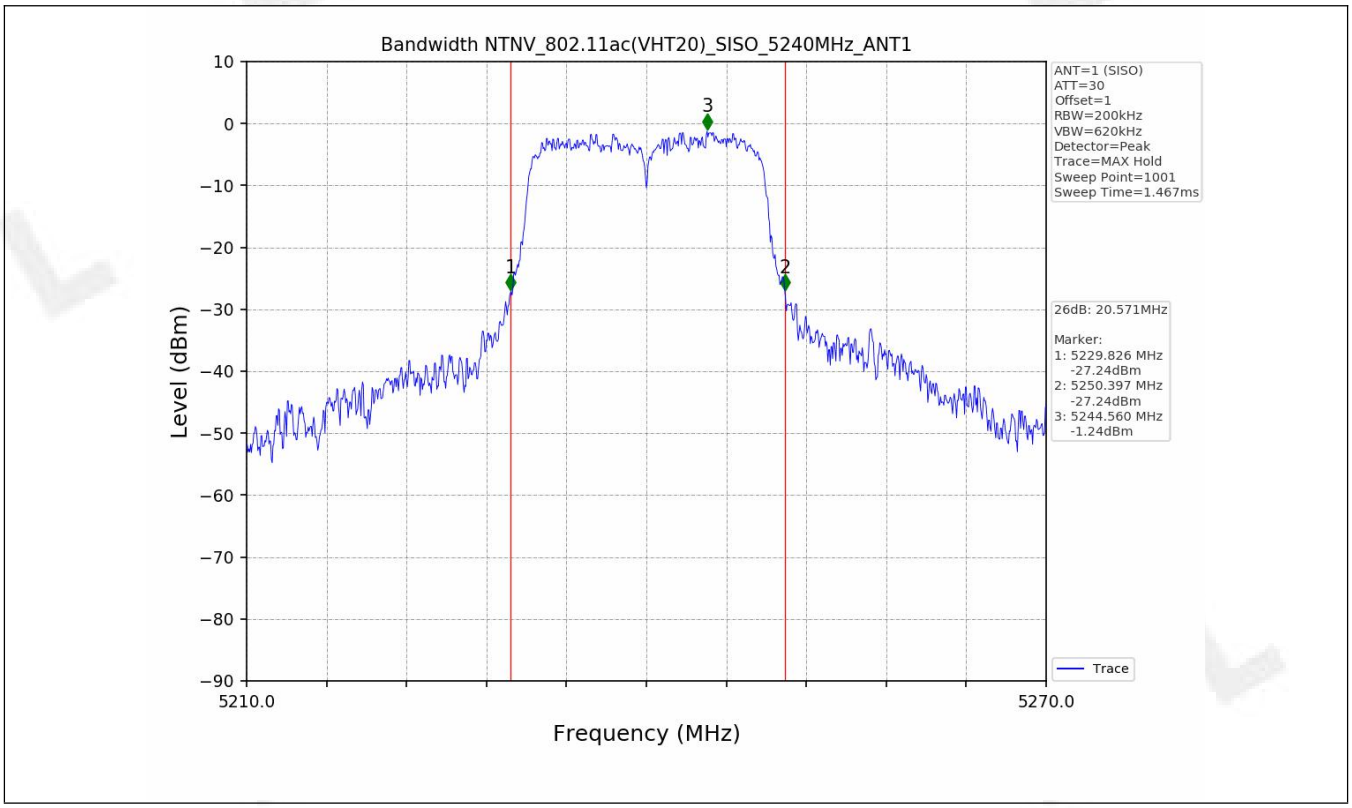

Bandwidth NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.701MHz
Marker:
1: 5229.660 MHz
-26.85dBm
2: 5250.360 MHz
-26.85dBm
3: 5244.860 MHz
-0.85dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0

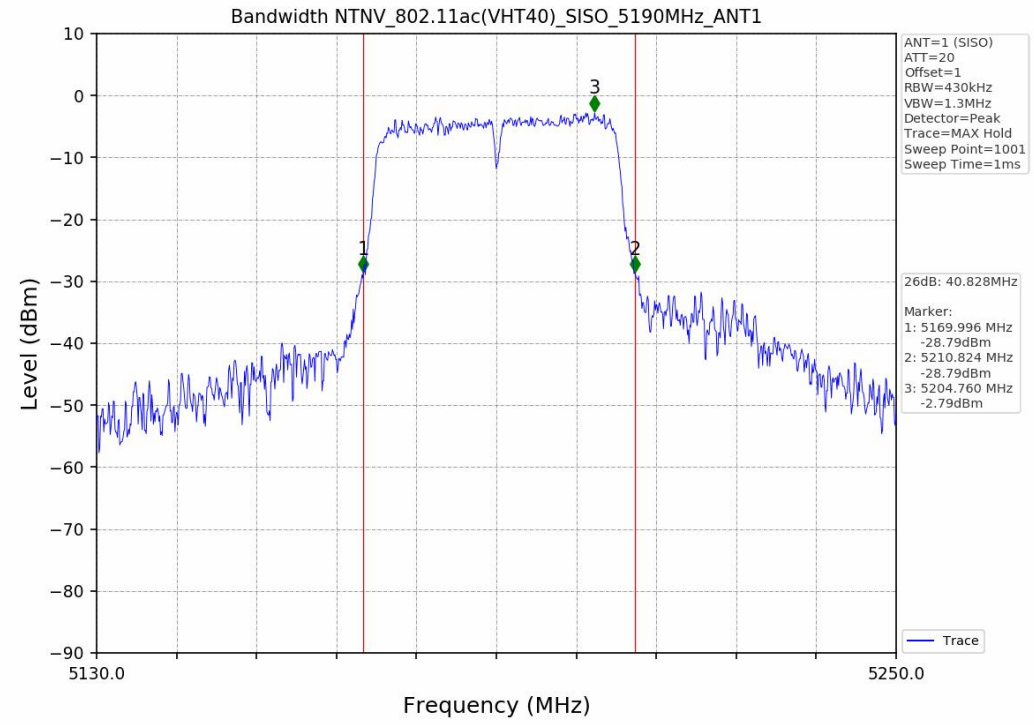

Bandwidth NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 40.964MHz
Marker:
1: 5169.912 MHz
-28.76dBm
2: 5210.875 MHz
-28.76dBm
3: 5202.960 MHz
-2.76dBm
Trace
Level (dBm)
Frequency (MHz)
5130.0
5250.0

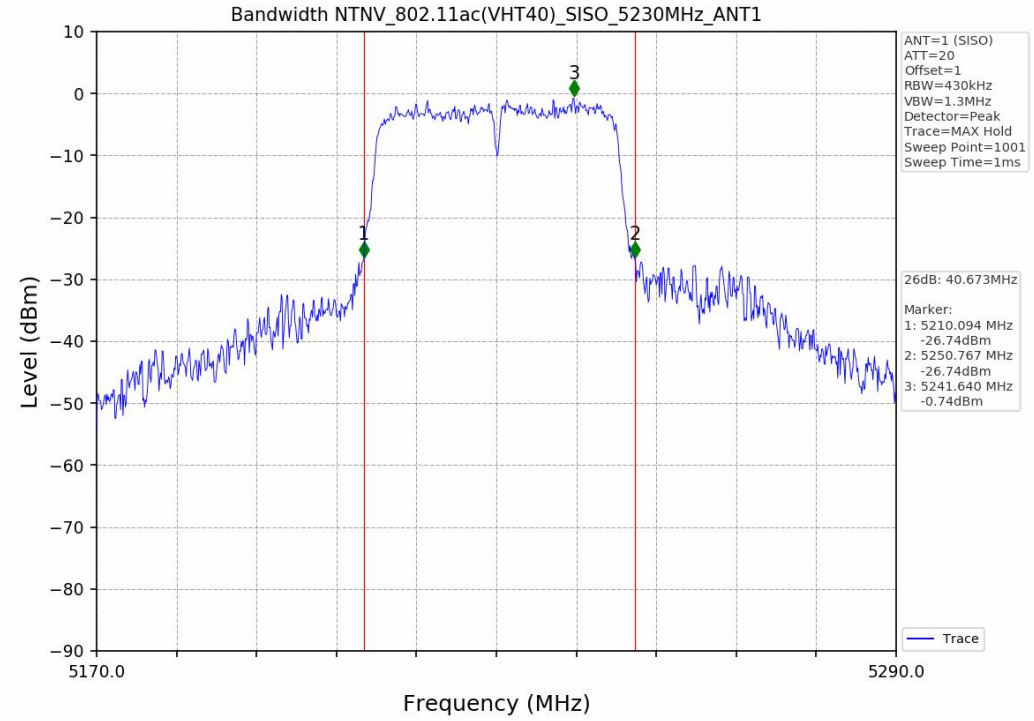

Bandwidth NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 40.555MHz
Marker:
1: 5210.039 MHz
-26.29dBm
2: 5250.595 MHz
-26.29dBm
3: 5233.960 MHz
-0.29dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5290.0

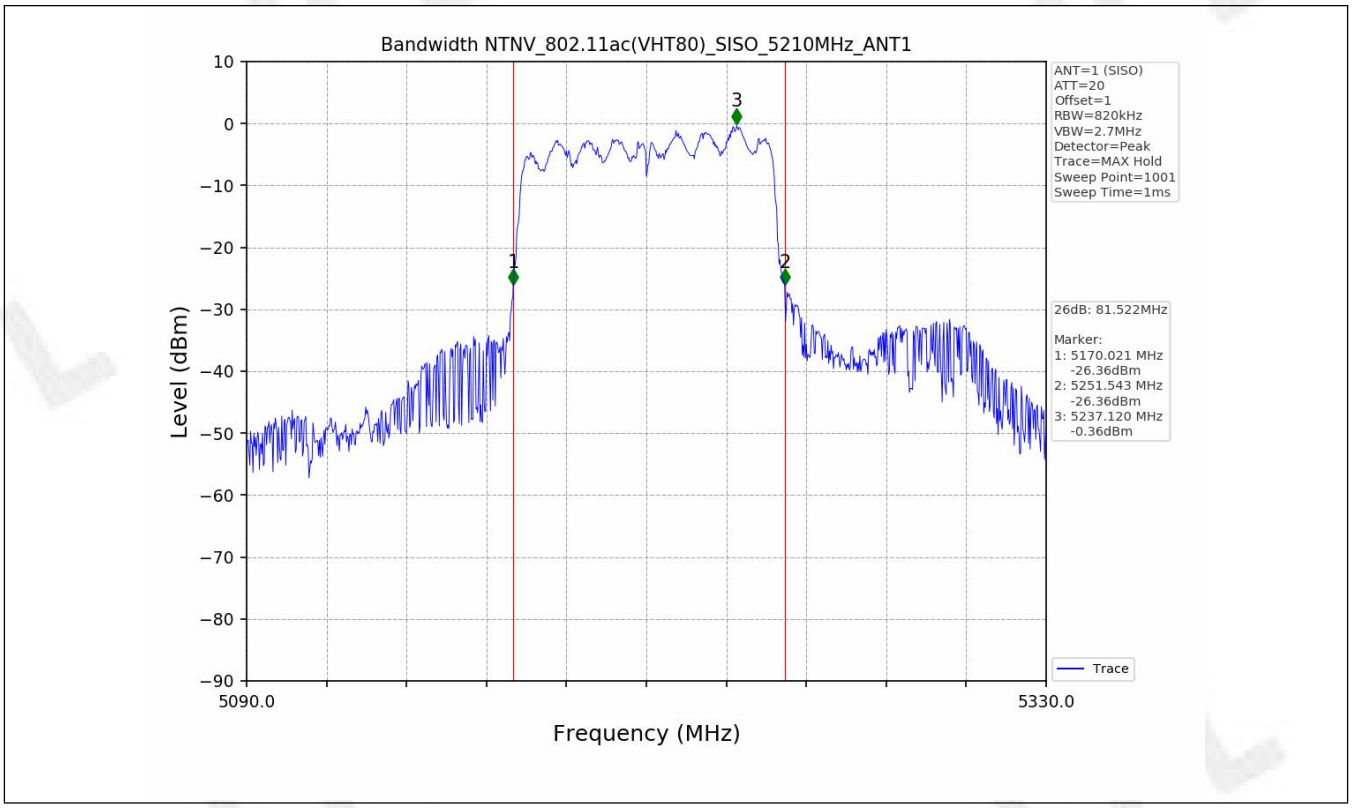

Bandwidth NTNV_802.11ac(VHT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.361MHz
Marker:
1: 5169.784 MHz
-29.40dBm
2: 5190.145 MHz
-29.40dBm
3: 5185.280 MHz
-3.40dBm
Trace
Level (dBm)
Frequency (MHz)
5150.0
5210.0


Bandwidth NTNV_802.11ac(VHT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.396MHz
Marker:
1: 5189.781 MHz
-28.16dBm
2: 5210.177 MHz
-28.16dBm
3: 5205.040 MHz
-2.16dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5230.0

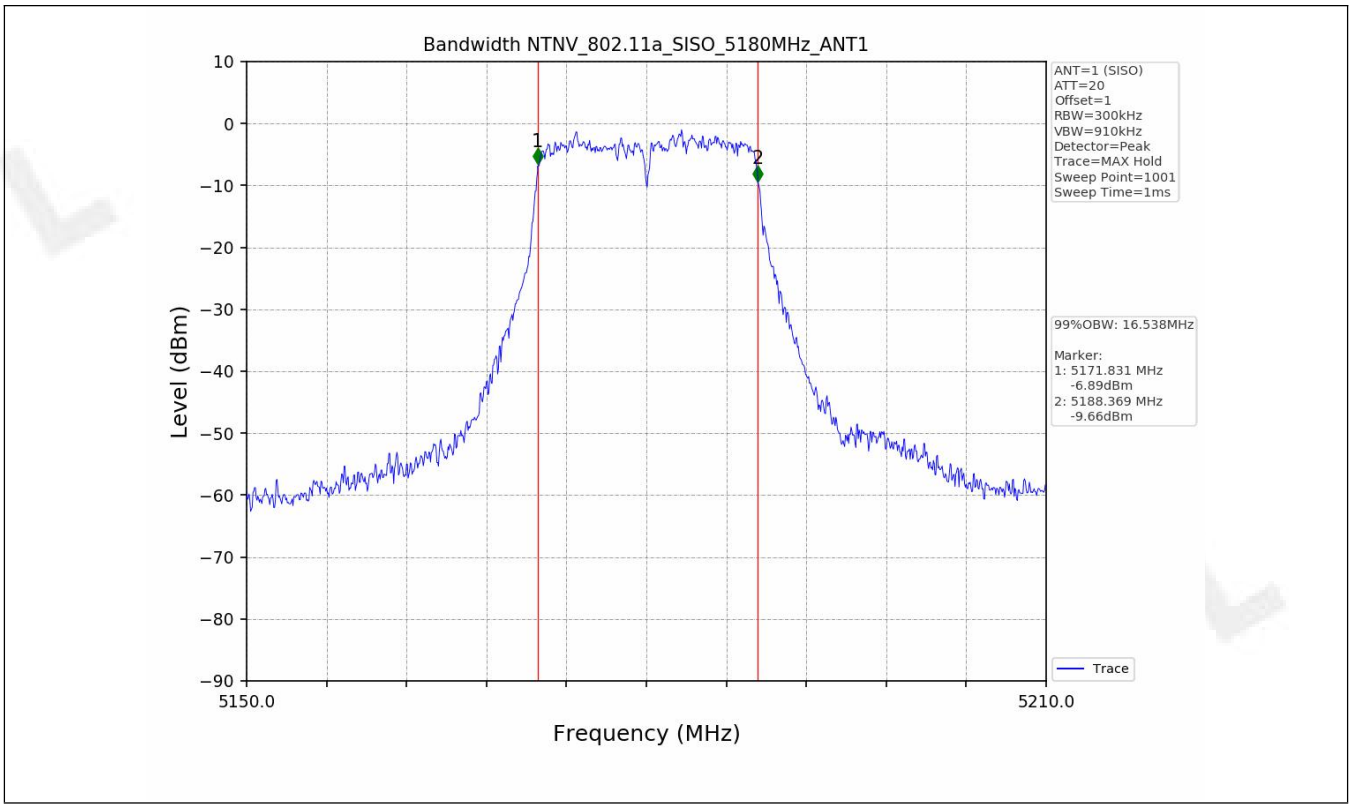

Bandwidth NTNV_802.11ac(VHT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=200kHz
VBW=620kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.467ms
26dB: 20.571MHz
Marker:
1: 5229.826 MHz
-27.24dBm
2: 5250.397 MHz
-27.24dBm
3: 5244.560 MHz
-1.24dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0

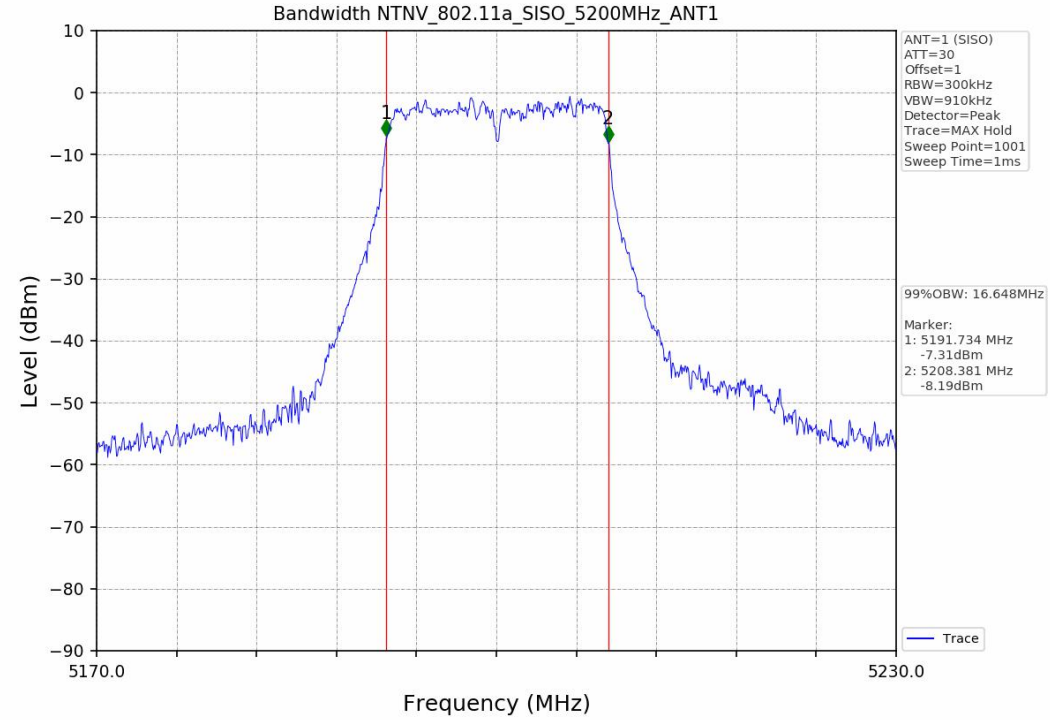

Bandwidth NTNV_802.11ac(VHT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 40.828MHz
Marker:
1: 5169.996 MHz
-28.79dBm
2: 5210.824 MHz
-28.79dBm
3: 5204.760 MHz
-2.79dBm
Trace
Level (dBm)
Frequency (MHz)
5130.0
5250.0

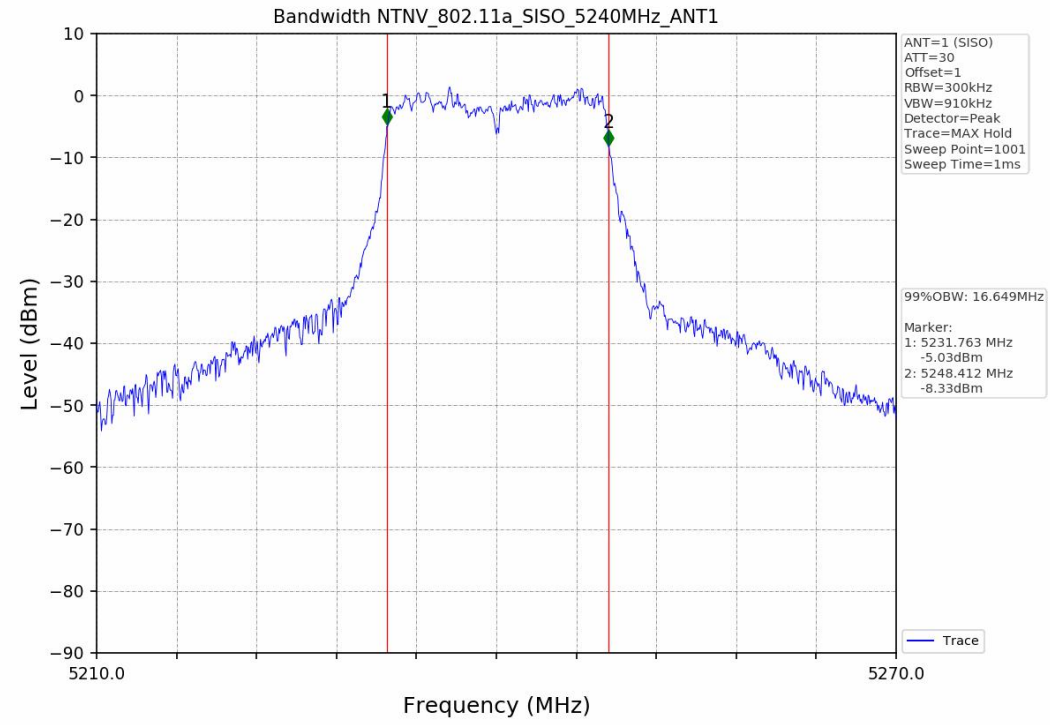

Bandwidth NTNV_802.11ac(VHT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=430kHz
VBW=1.3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
26dB: 40.673MHz
Marker:
1: 5210.094 MHz
-26.74dBm
2: 5250.767 MHz
-26.74dBm
3: 5241.640 MHz
-0.74dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5290.0

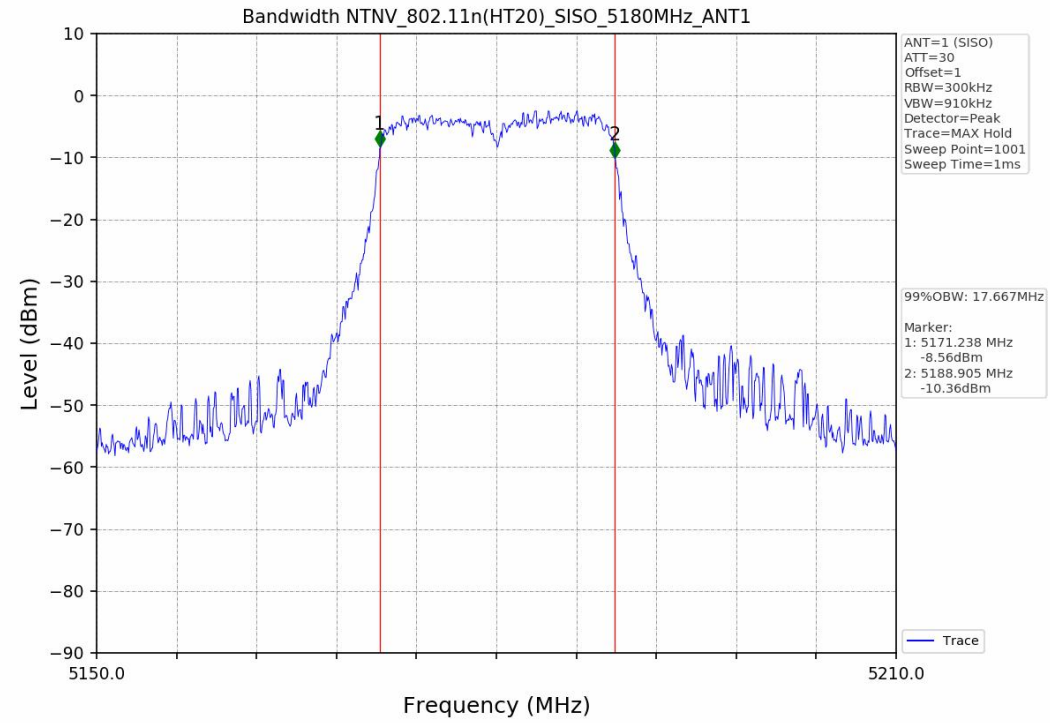


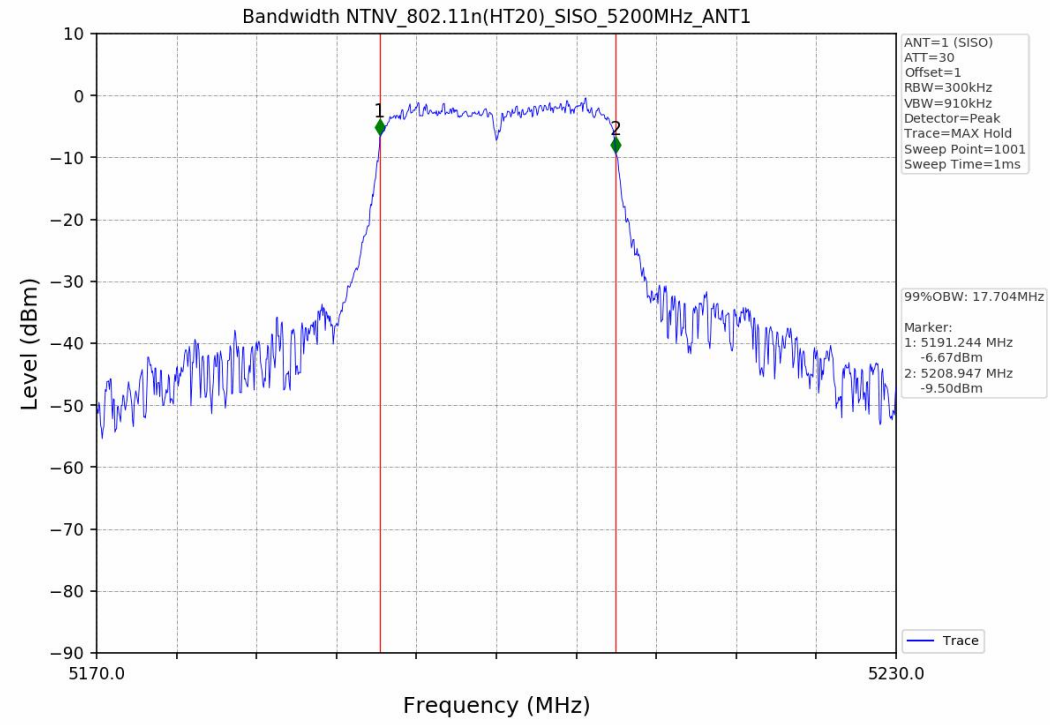
1.3 Test Graph - 99% Occupied Bandwidth

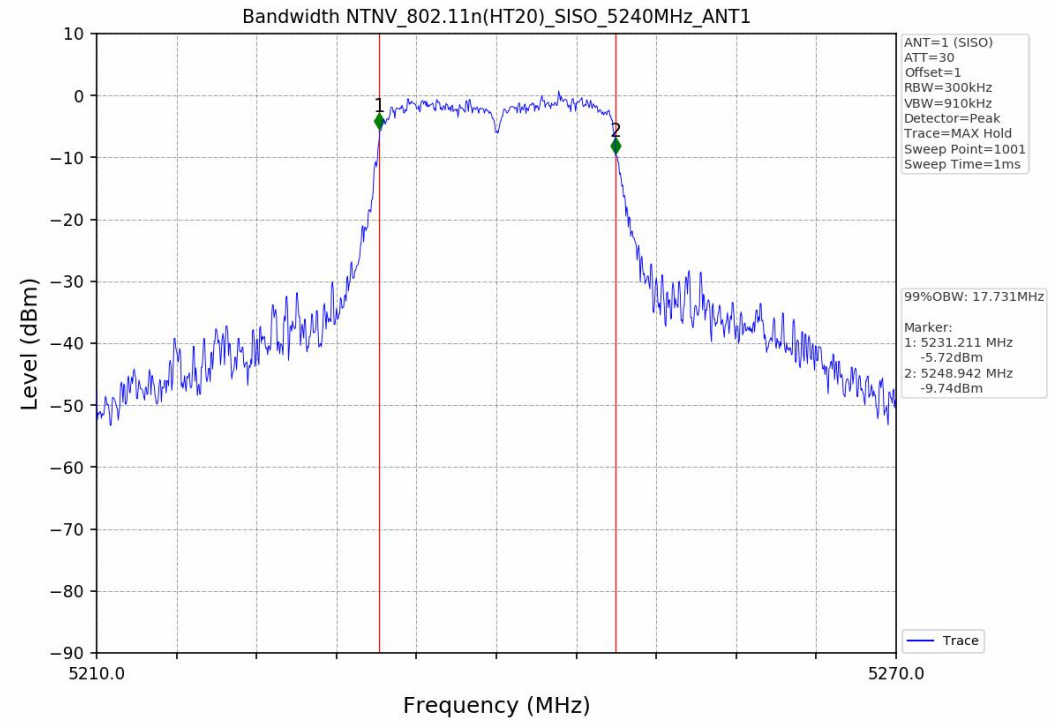


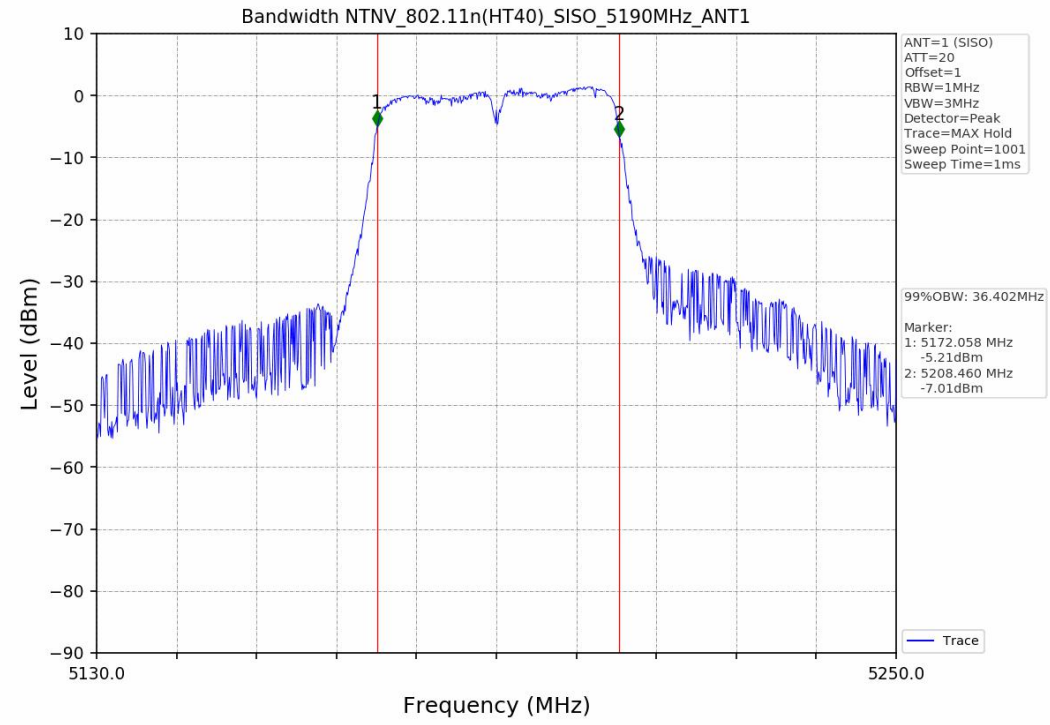

Bandwidth NTNV_802.11a_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 16.648MHz
Marker:
1: 5191.734 MHz
-7.31dBm
2: 5208.381 MHz
-8.19dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5230.0
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
1
2

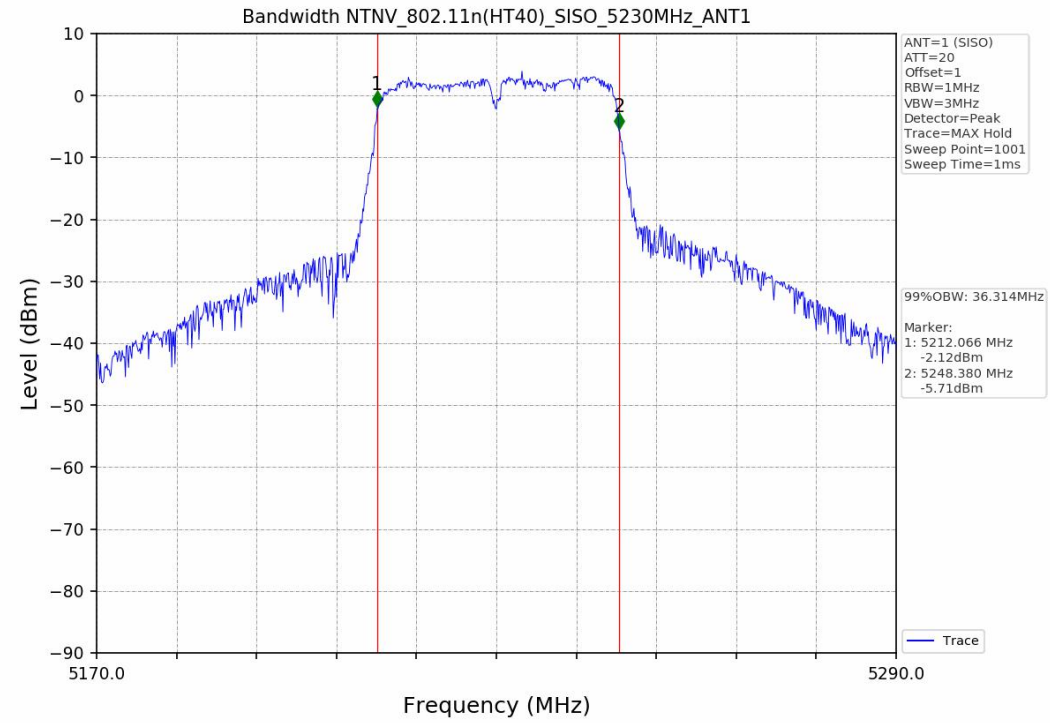

Bandwidth NTNV_802.11a_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 16.649MHz
Marker:
1: 5231.763 MHz
-5.03dBm
2: 5248.412 MHz
-8.33dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0

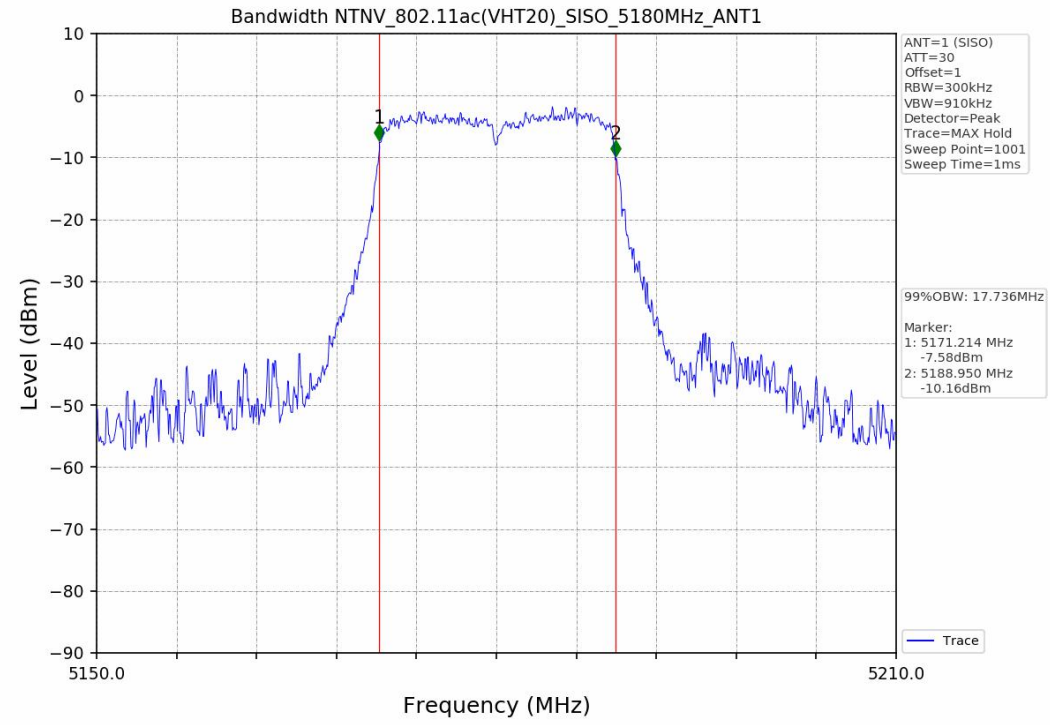

Bandwidth NTNV_802.11n(HT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.667MHz
Marker:
1: 5171.238 MHz
-8.56dBm
2: 5188.905 MHz
-10.36dBm
Trace
Level (dBm)
Frequency (MHz)
5150.0
5210.0

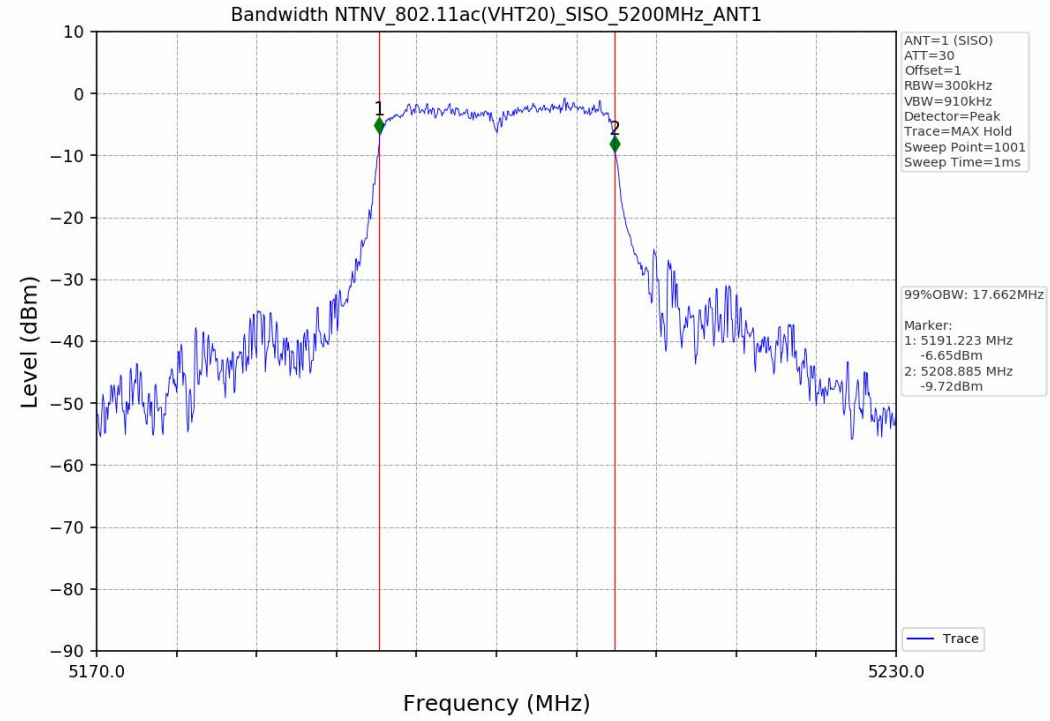

Bandwidth NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.704MHz
Marker:
1: 5191.244 MHz
-6.67dBm
2: 5208.947 MHz
-9.50dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5230.0

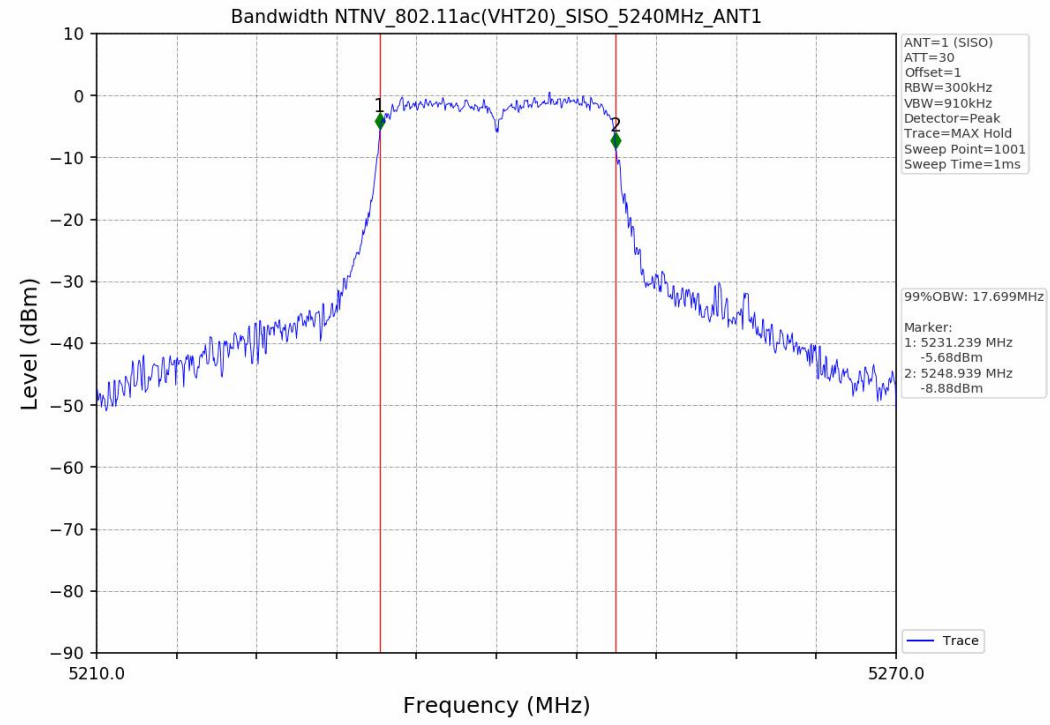

Bandwidth NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.731MHz
Marker:
1: 5231.211 MHz
-5.72dBm
2: 5248.942 MHz
-9.74dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0

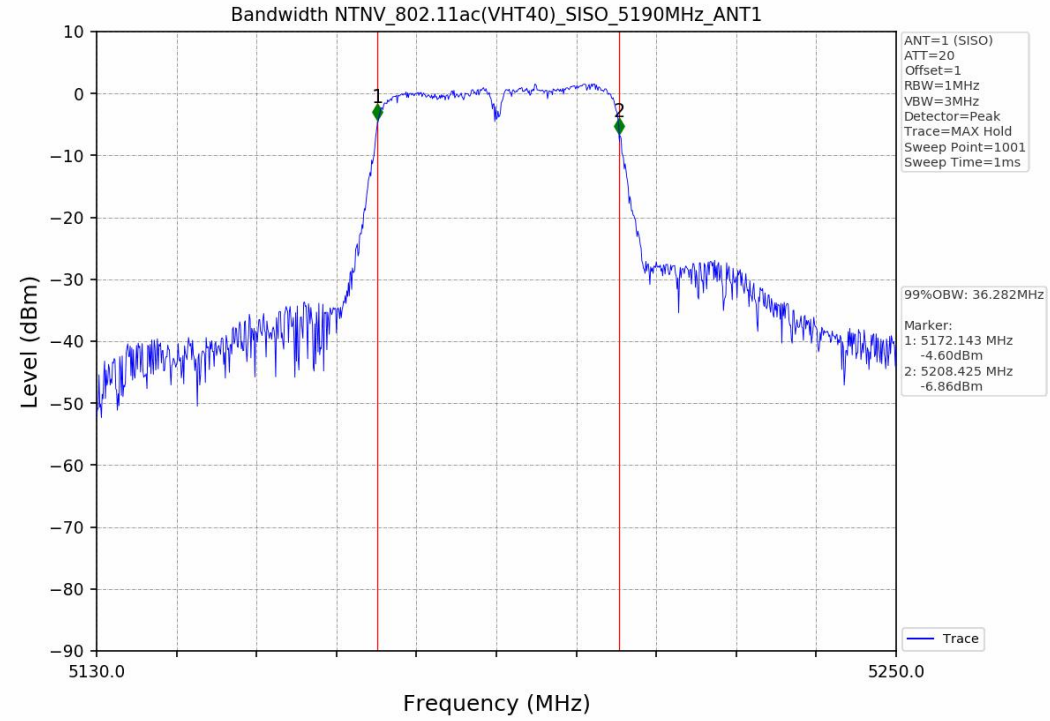

Bandwidth NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.402MHz
Marker:
1: 5172.058 MHz
-5.21dBm
2: 5208.460 MHz
-7.01dBm
Trace
Level (dBm)
Frequency (MHz)
5130.0
5250.0

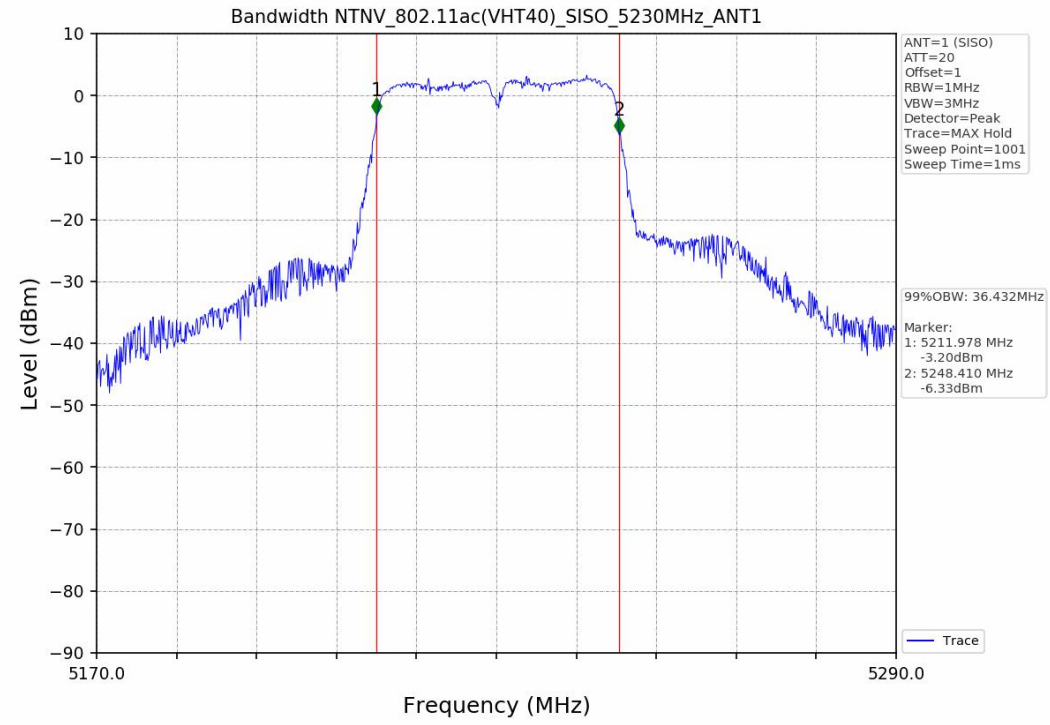

Bandwidth NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.314MHz
Marker:
1: 5212.066 MHz
-2.12dBm
2: 5248.380 MHz
-5.71dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5290.0

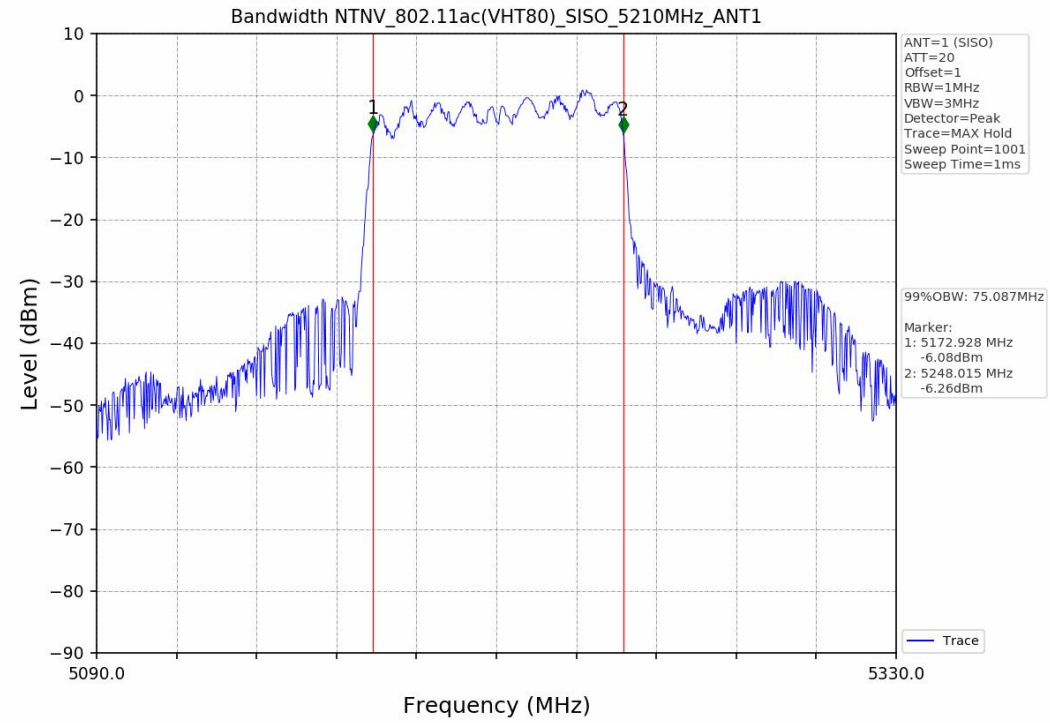

Bandwidth NTNV_802.11ac(VHT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.736MHz
Marker:
1: 5171.214 MHz
-7.58dBm
2: 5188.950 MHz
-10.16dBm
Trace
Level (dBm)
Frequency (MHz)
5150.0
5210.0


Bandwidth NTNV_802.11ac(VHT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.662MHz
Marker:
1: 5191.223 MHz
-6.65dBm
2: 5208.885 MHz
-9.72dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5230.0


Bandwidth NTNV_802.11ac(VHT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=300kHz
VBW=910kHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 17.699MHz
Marker:
1: 5231.239 MHz
-5.68dBm
2: 5248.939 MHz
-8.88dBm
Trace
Level (dBm)
Frequency (MHz)
5210.0
5270.0


Bandwidth NTNV_802.11ac(VHT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.282MHz
Marker:
1: 5172.143 MHz
-4.60dBm
2: 5208.425 MHz
-6.86dBm
Trace
Level (dBm)
Frequency (MHz)
5130.0
5250.0


Bandwidth NTNV_802.11ac(VHT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 36.432MHz
Marker:
1: 5211.978 MHz
-3.20dBm
2: 5248.410 MHz
-6.33dBm
Trace
Level (dBm)
Frequency (MHz)
5170.0
5290.0

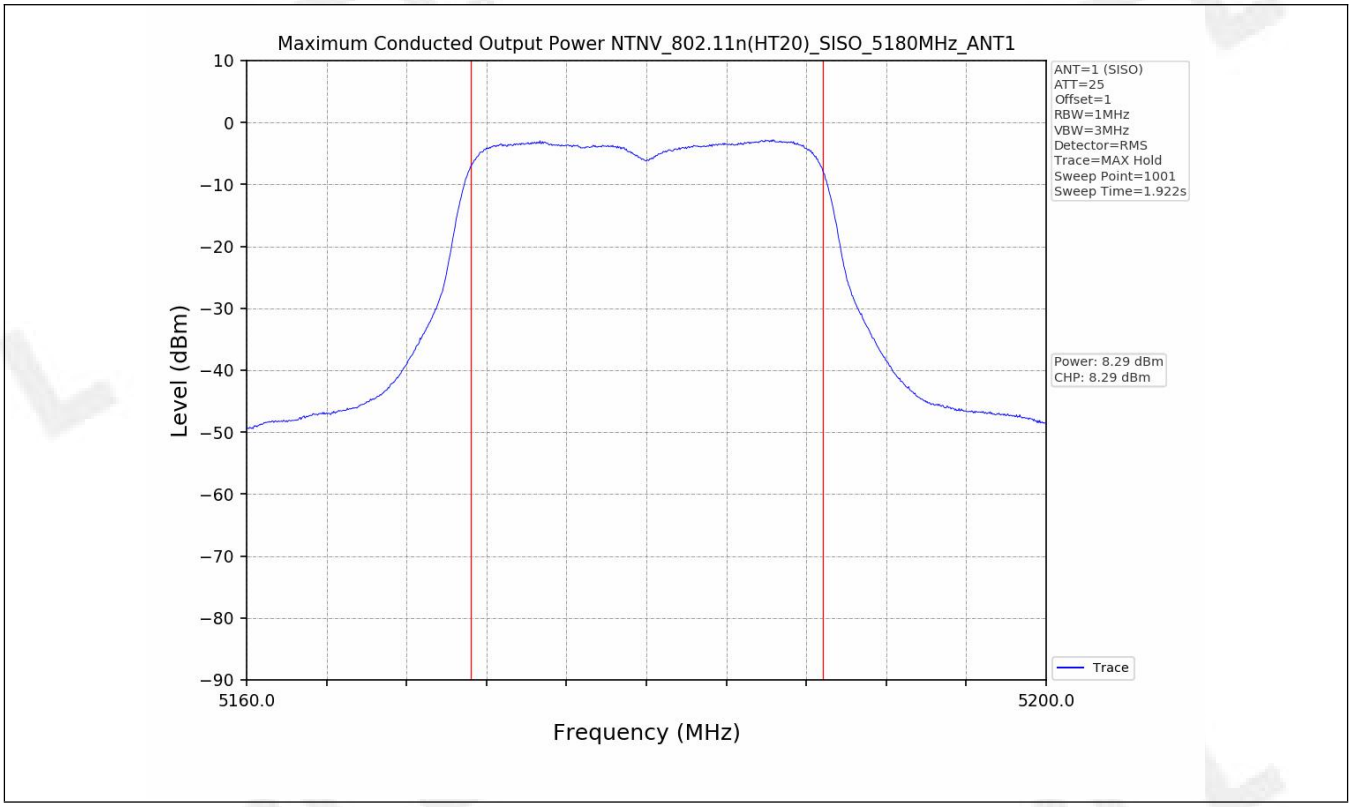

Bandwidth NTNV_802.11ac(VHT80)_SISO_5210MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=Peak
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1ms
99%OBW: 75.087MHz
Marker:
1: 5172.928 MHz
-6.08dBm
2: 5248.015 MHz
-6.26dBm
Trace
Level (dBm)
Frequency (MHz)
5090.0
5330.0

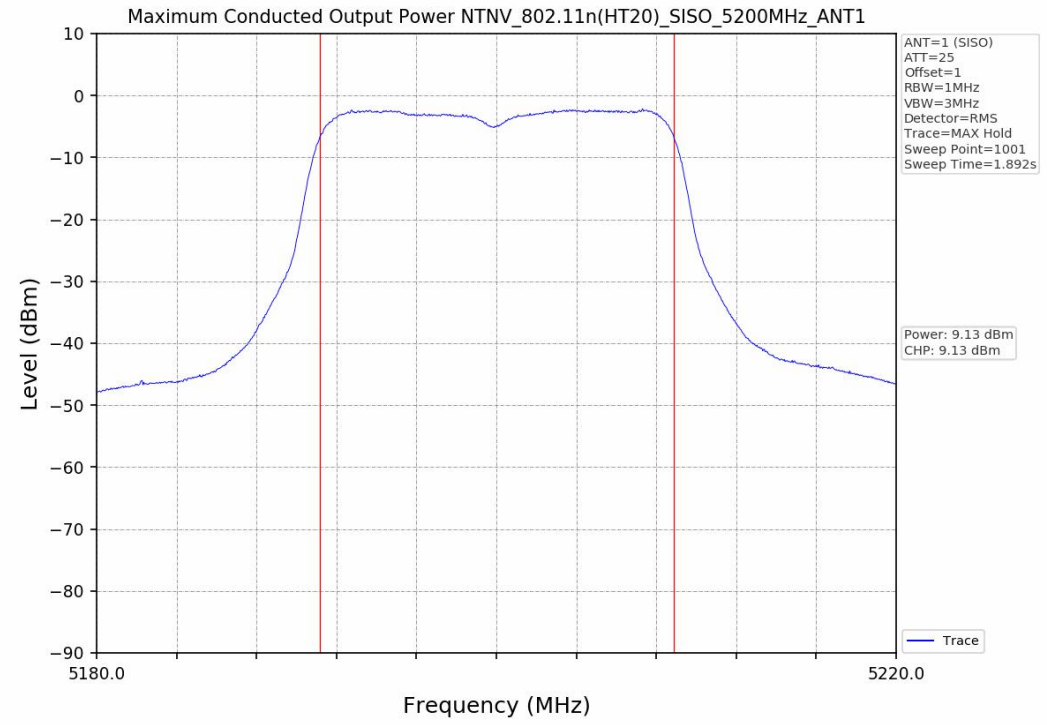
2. Maximum Conducted Output Power

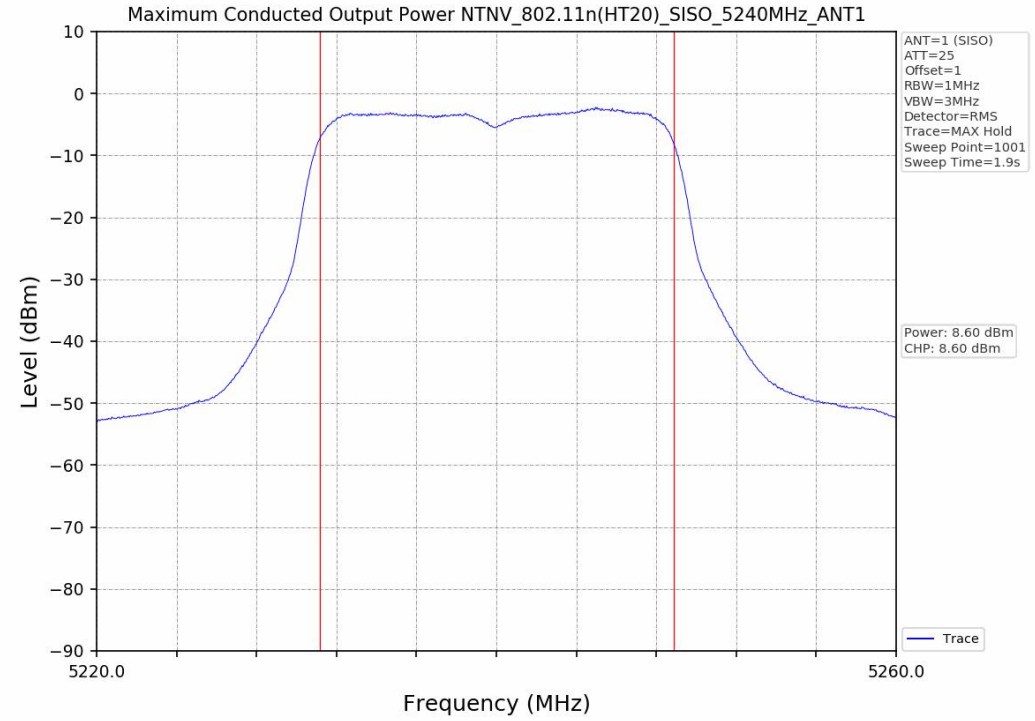
2.1 Test Result

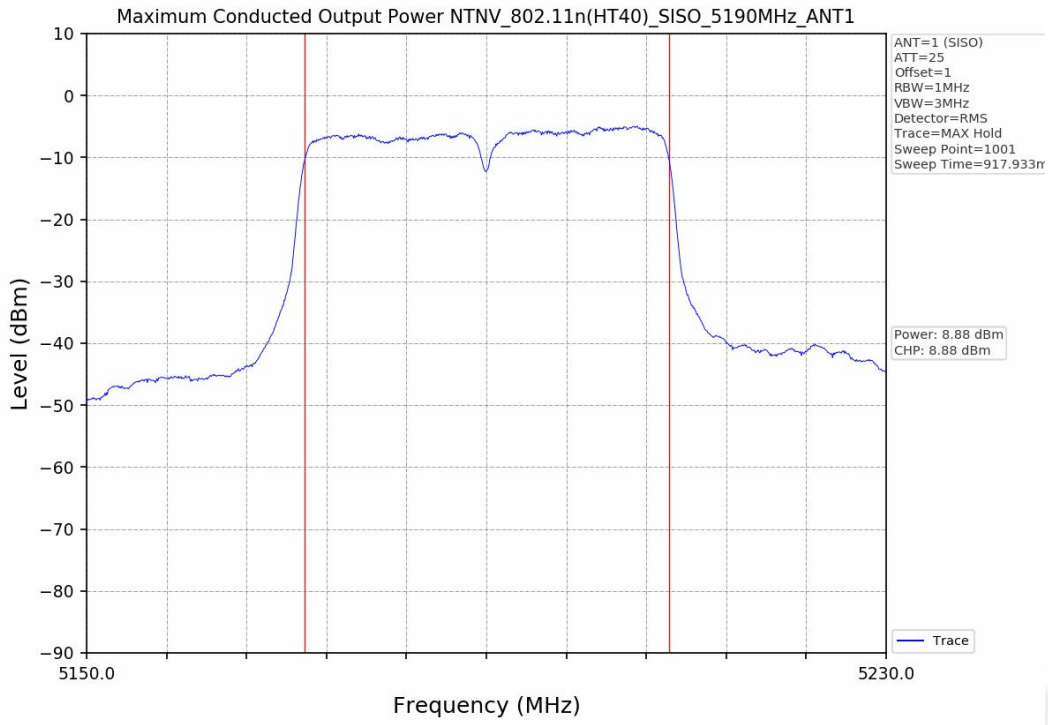
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5180	SISO	10.61	≤23.98	PASS
	5200	SISO	11.67	≤23.98	PASS
	5240	SISO	10.65	≤23.98	PASS
802.11n(HT20)	5180	SISO	8.29	≤23.98	PASS
	5200	SISO	9.13	≤23.98	PASS
	5240	SISO	8.60	≤23.98	PASS
802.11n(HT40)	5190	SISO	8.88	≤23.98	PASS
	5230	SISO	9.57	≤23.98	PASS
802.11ac(VHT20)	5180	SISO	7.11	≤23.98	PASS
	5200	SISO	8.05	≤23.98	PASS
	5240	SISO	9.23	≤23.98	PASS
802.11ac(VHT40)	5190	SISO	8.50	≤23.98	PASS
	5230	SISO	9.34	≤23.98	PASS
802.11ac(VHT80)	5210	SISO	8.21	≤23.98	PASS

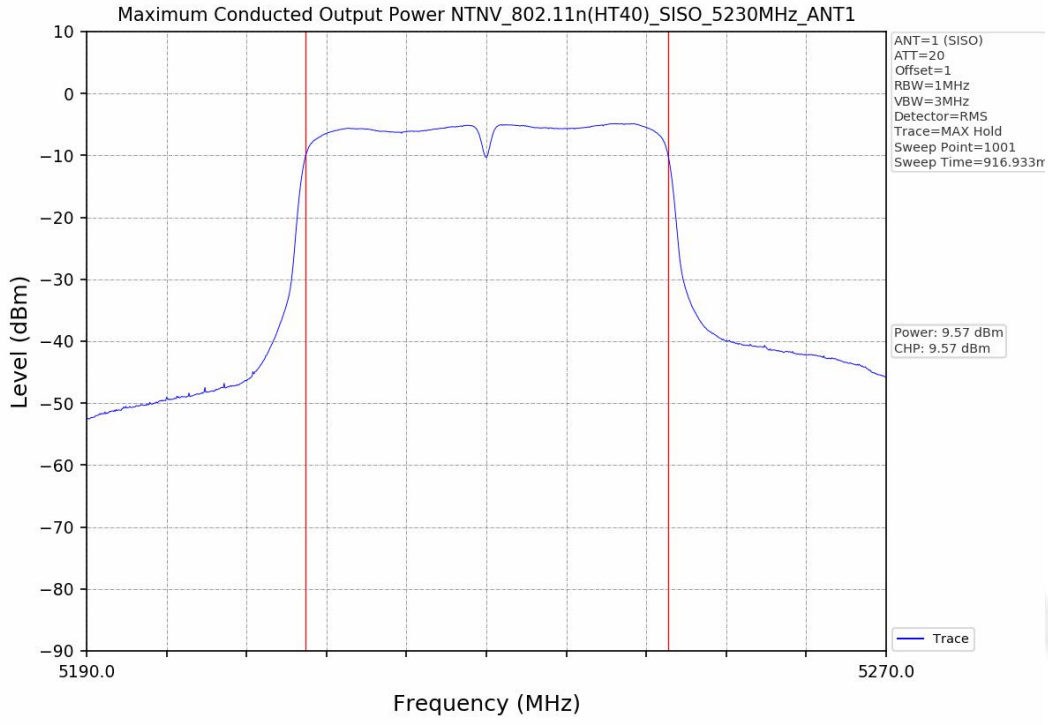
2.2 Test Graph

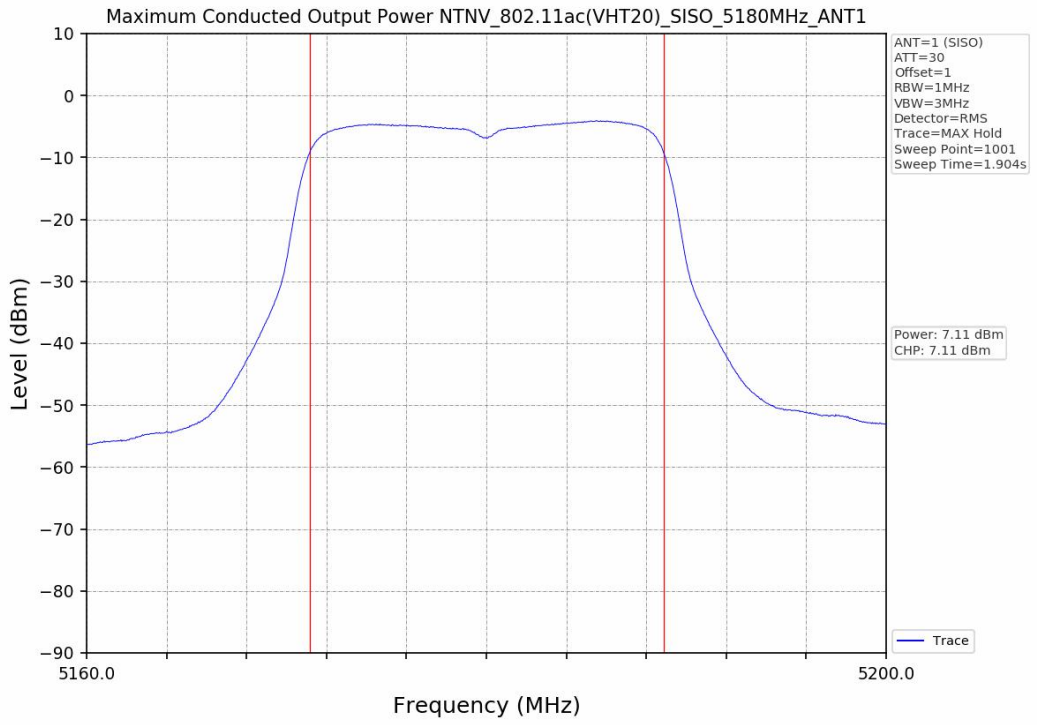


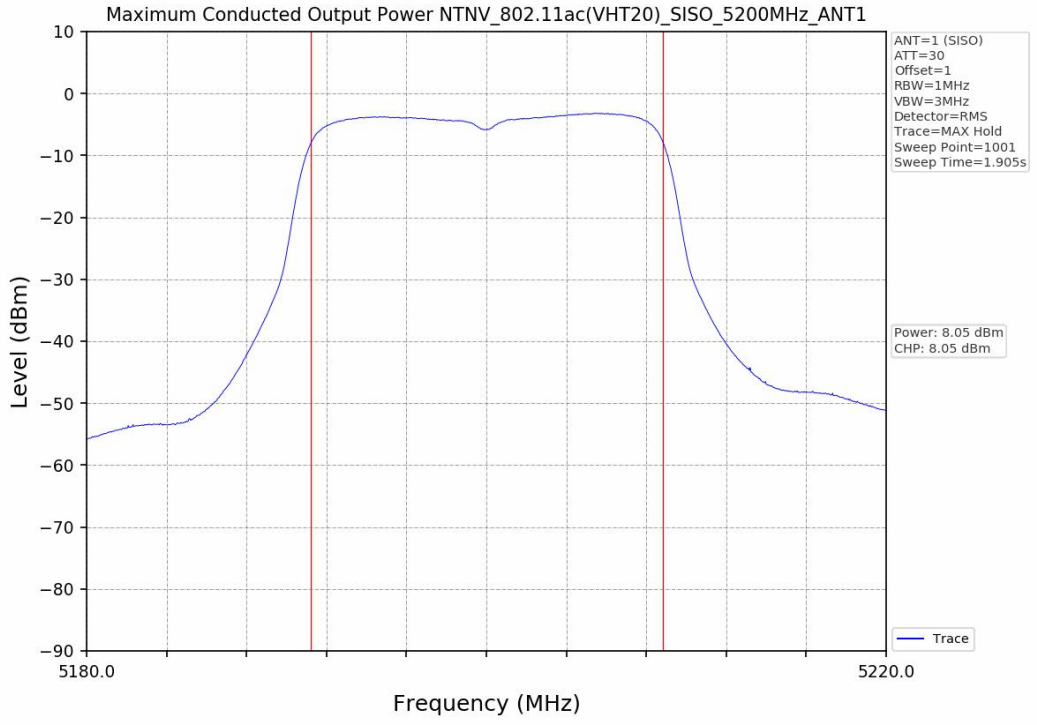

Maximum Conducted Output Power NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.892s
Power: 9.13 dBm
CHP: 9.13 dBm
Trace
Level (dBm)
Frequency (MHz)
5180.0
5220.0

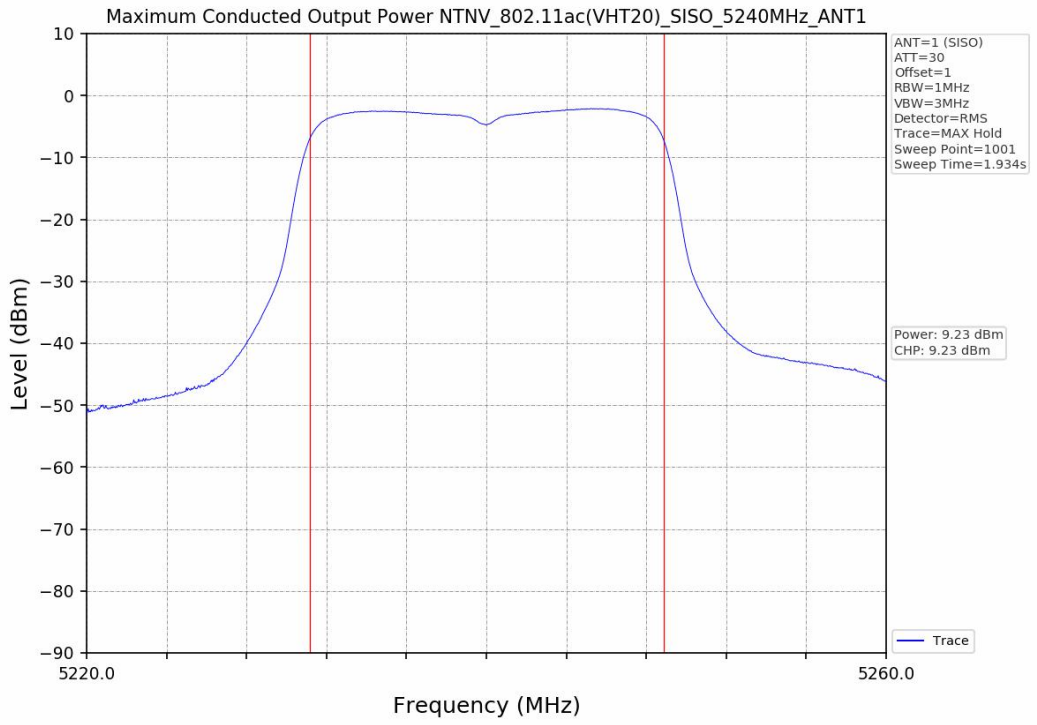

Maximum Conducted Output Power NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.9s
Power: 8.60 dBm
CHP: 8.60 dBm
Trace
Level (dBm)
Frequency (MHz)
5220.0
5260.0

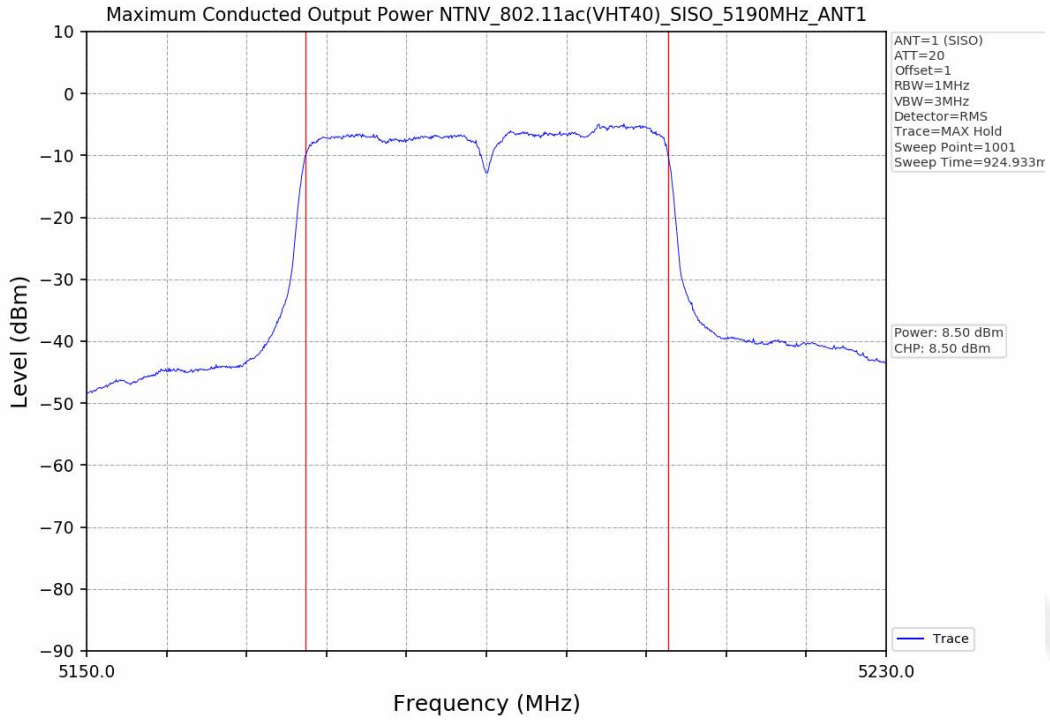

Maximum Conducted Output Power NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=25
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=917.933m
Power: 8.88 dBm
CHP: 8.88 dBm
Trace
Level (dBm)
Frequency (MHz)
5150.0
5230.0

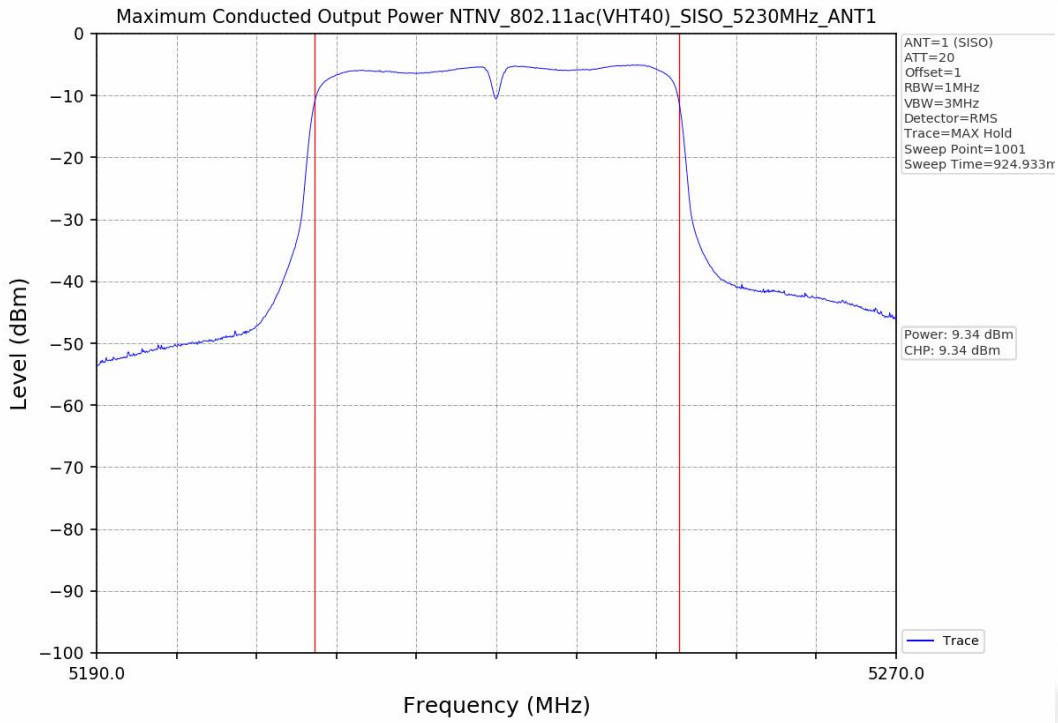

Maximum Conducted Output Power NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=916.933m
Power: 9.57 dBm
CHP: 9.57 dBm
Trace
Level (dBm)
Frequency (MHz)
5190.0
5270.0

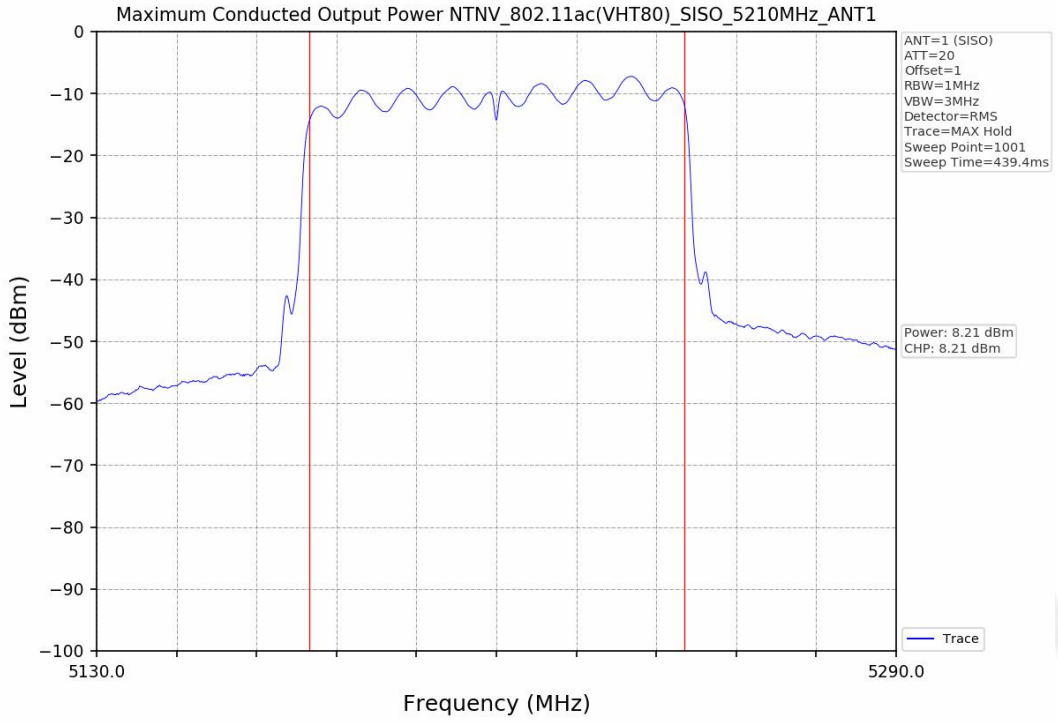

Maximum Conducted Output Power NTNV_802.11ac(VHT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.904s
Power: 7.11 dBm
CHP: 7.11 dBm
Trace
Level (dBm)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
5160.0
5200.0
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11ac(VHT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.905s
Power: 8.05 dBm
CHP: 8.05 dBm
Trace
Level (dBm)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
5180.0
5220.0
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11ac(VHT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.934s
Power: 9.23 dBm
CHP: 9.23 dBm
Trace
Level (dBm)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
5220.0
5260.0
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11ac(VHT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=924.933m
Power: 8.50 dBm
CHP: 8.50 dBm
Trace
Level (dBm)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
5150.0
5230.0
Frequency (MHz)


Maximum Conducted Output Power NTNV_802.11ac(VHT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=924.933m
Power: 9.34 dBm
CHP: 9.34 dBm
Trace
Level (dBm)
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
5190.0
5270.0
Frequency (MHz)

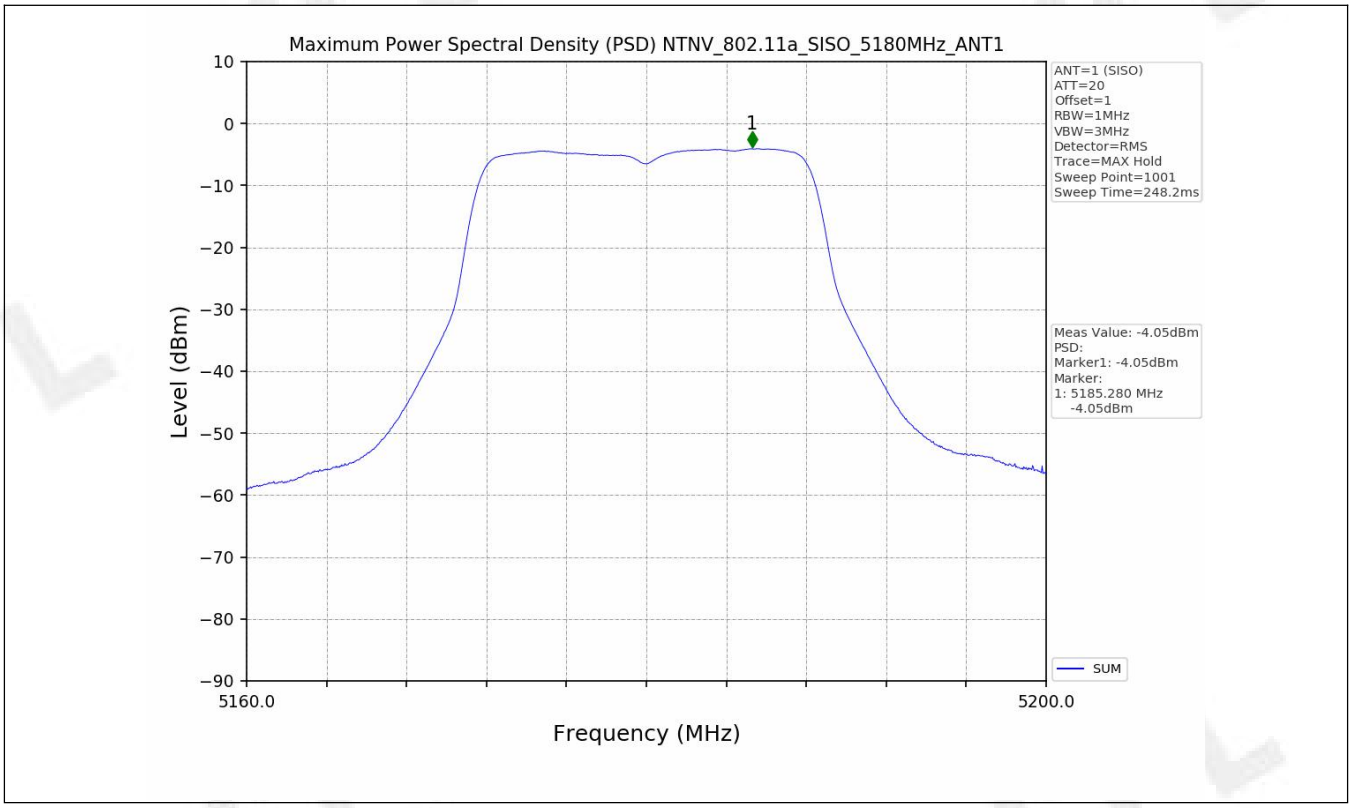

Maximum Conducted Output Power NTNV_802.11ac(VHT80)_SISO_5210MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=439.4ms
Power: 8.21 dBm
CHP: 8.21 dBm
Trace
Level (dBm)
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
5130.0
5290.0
Frequency (MHz)

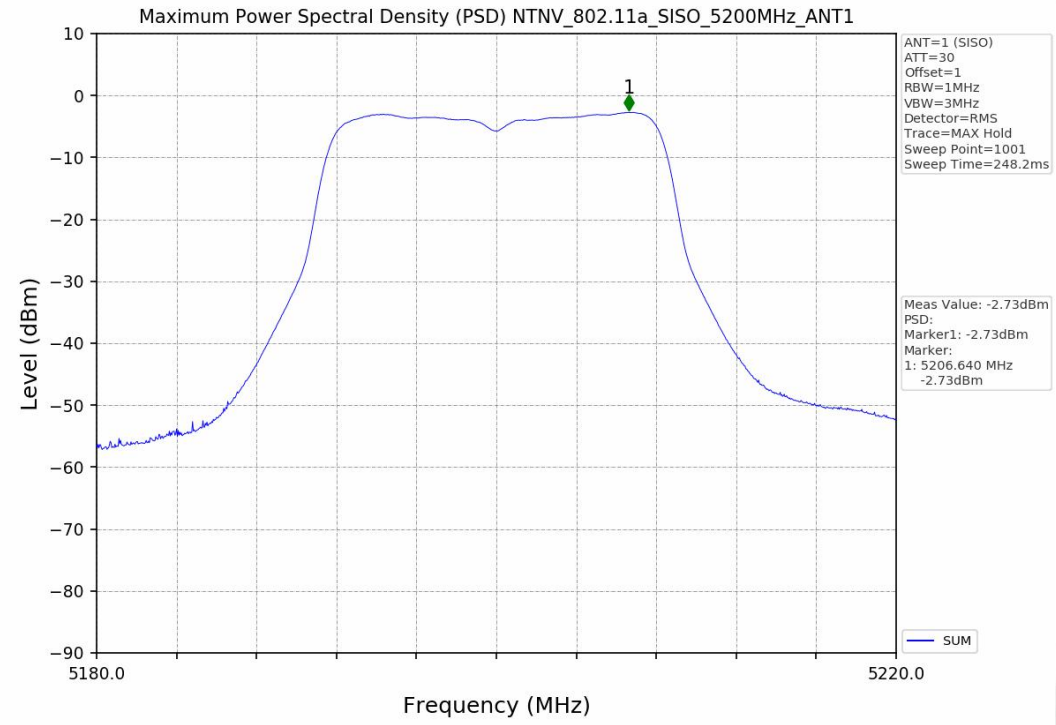
3. Maximum Power Spectral Density (PSD)

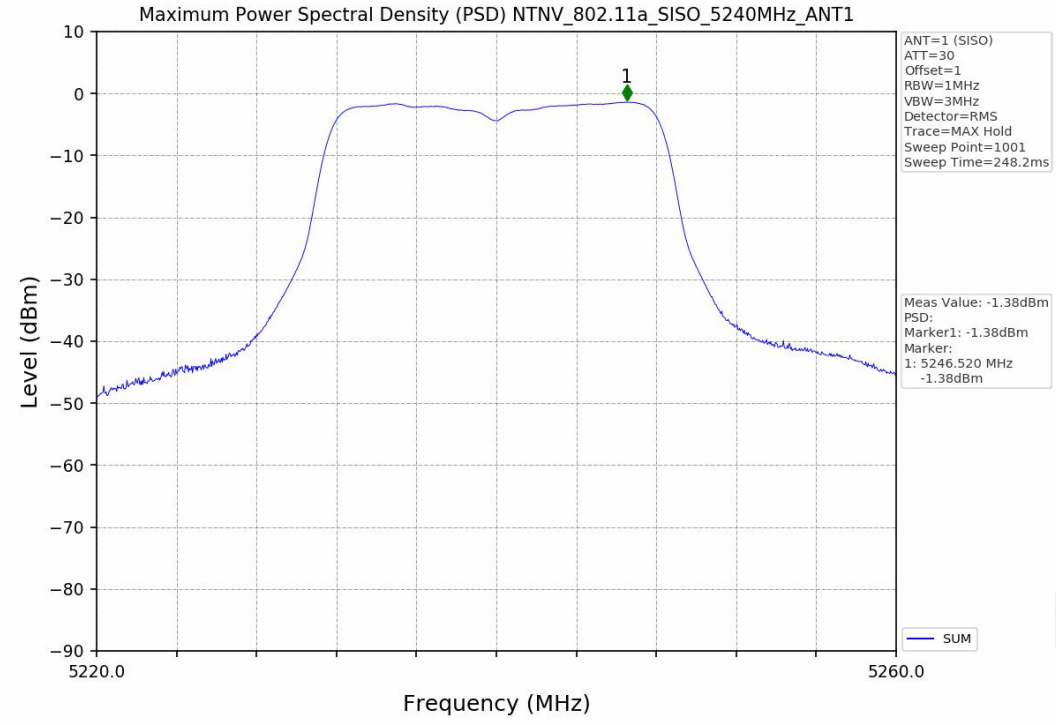
3.1 Test Result

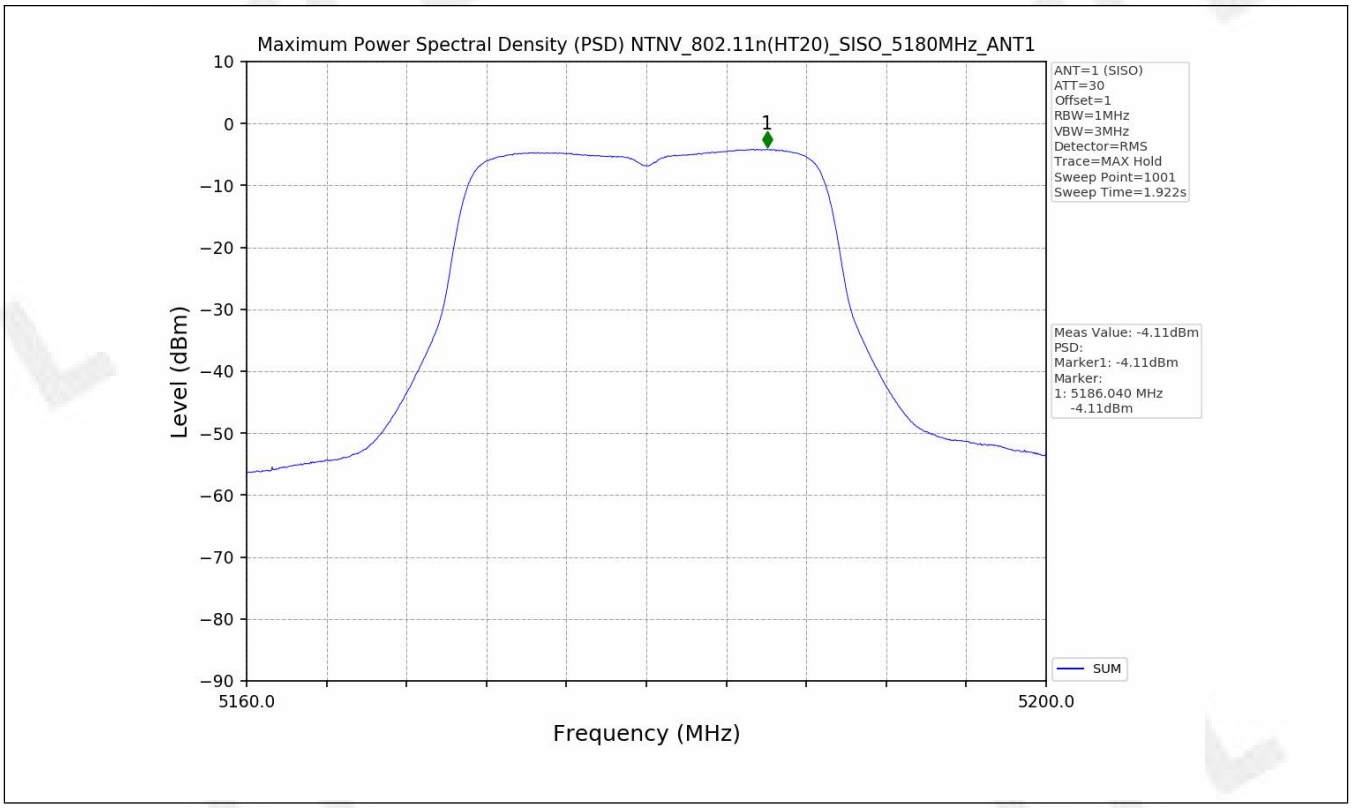
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5180	SISO	-4.05	≤11	PASS
	5200	SISO	-2.73	≤11	PASS
	5240	SISO	-1.38	≤11	PASS
802.11n(HT20)	5180	SISO	-4.11	≤11	PASS
	5200	SISO	-3.19	≤11	PASS
	5240	SISO	-1.77	≤11	PASS
802.11n(HT40)	5190	SISO	-6.00	≤11	PASS
	5230	SISO	-4.89	≤11	PASS
802.11ac(VHT20)	5180	SISO	-4.10	≤11	PASS
	5200	SISO	-3.26	≤11	PASS
	5240	SISO	-2.13	≤11	PASS
802.11ac(VHT40)	5190	SISO	-6.31	≤11	PASS
	5230	SISO	-5.12	≤11	PASS
802.11ac(VHT80)	5210	SISO	-7.26	≤11	PASS

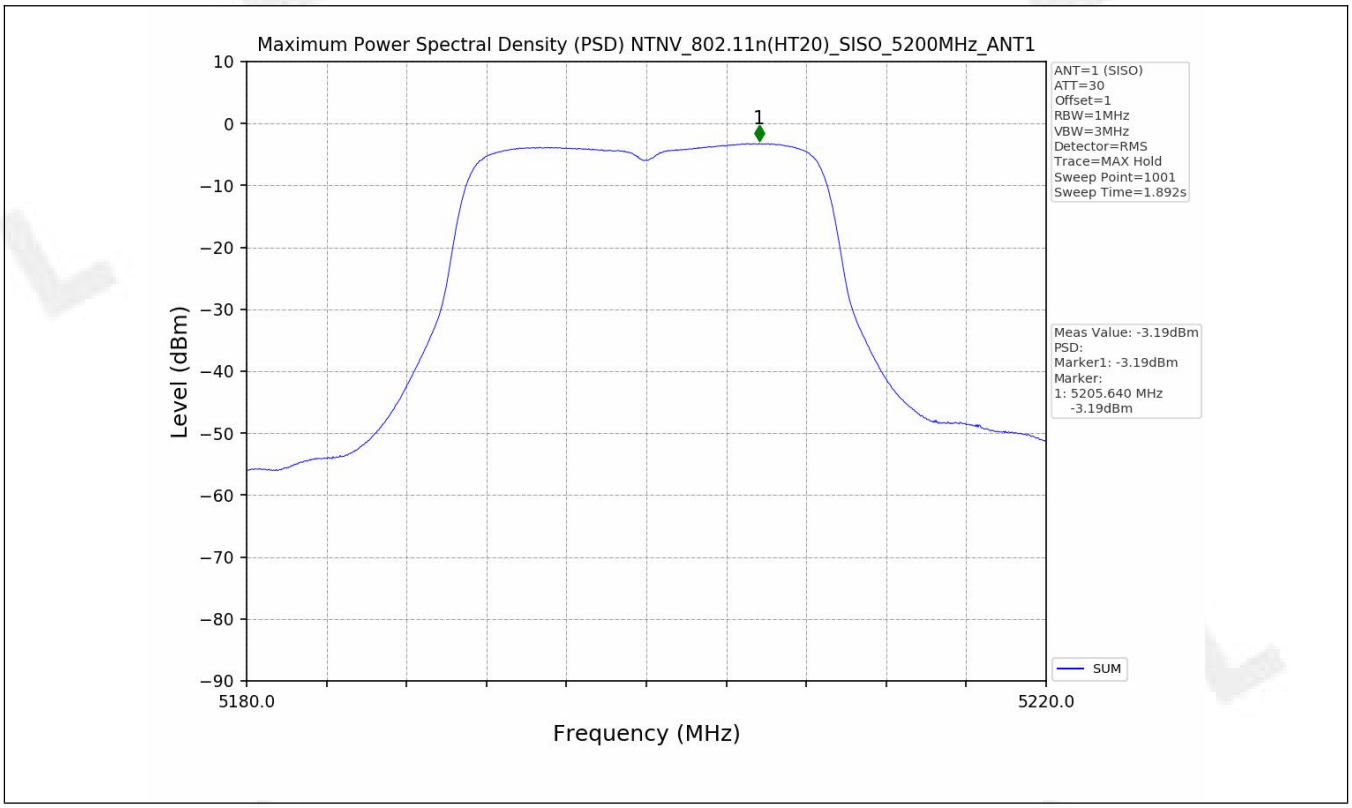
4.2 Test Graph

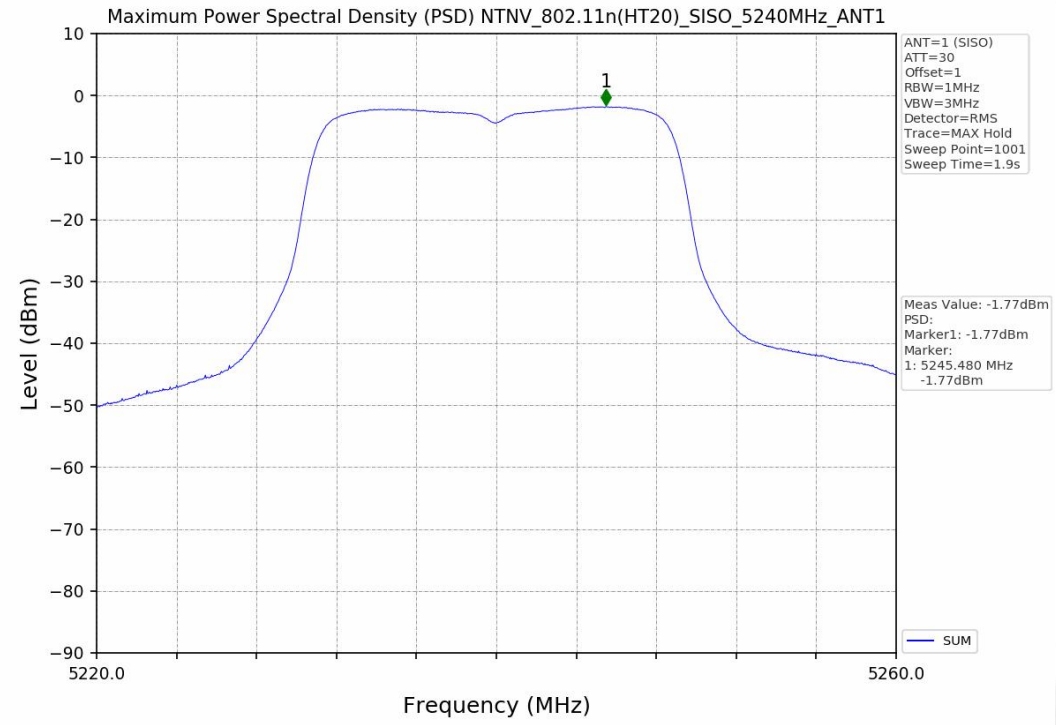


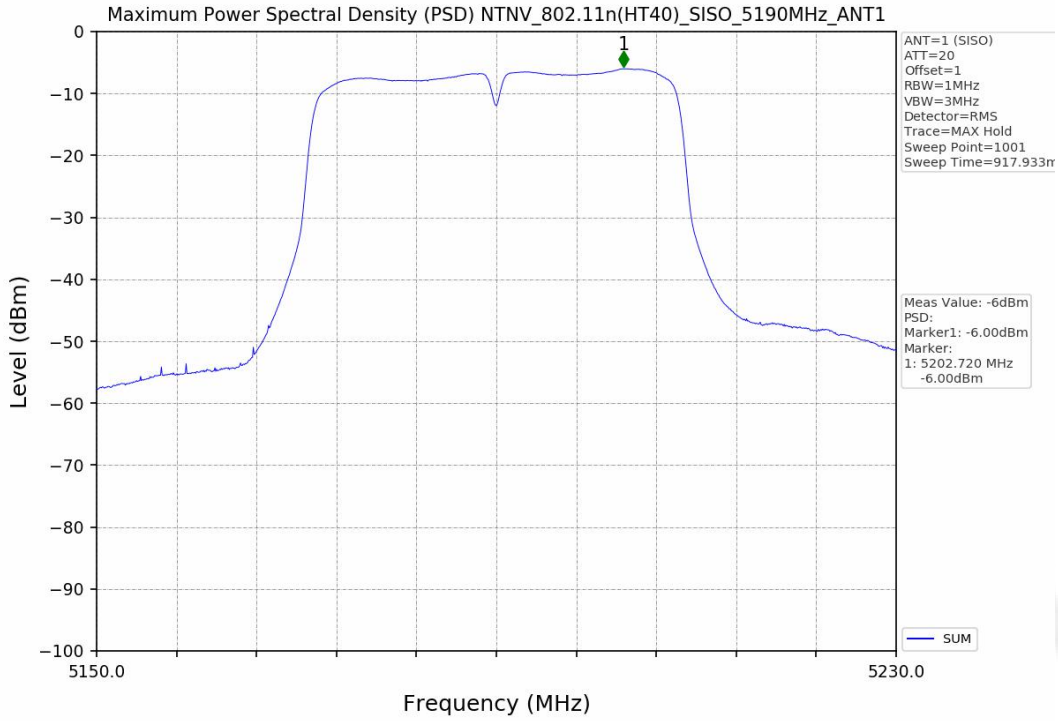

Maximum Power Spectral Density (PSD) NTNV_802.11a_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=248.2ms
Meas Value: -2.73dBm
PSD:
Marker1: -2.73dBm
Marker:
1: 5206.640 MHz
-2.73dBm
SUM
Level (dBm)
Frequency (MHz)
5180.0
5220.0

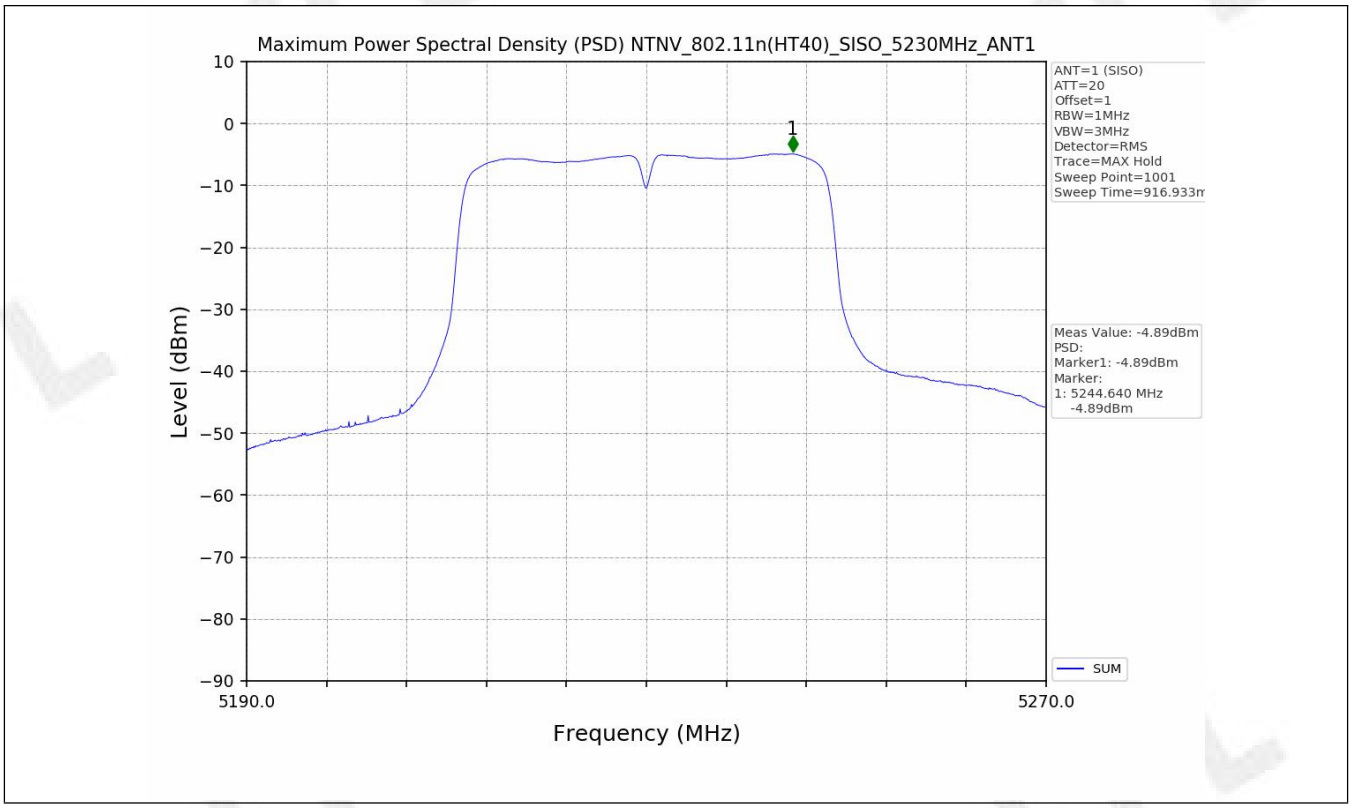

Maximum Power Spectral Density (PSD) NTNV_802.11a_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=248.2ms
Meas Value: -1.38dBm
PSD:
Marker1: -1.38dBm
Marker:
1: 5246.520 MHz
-1.38dBm
SUM
Level (dBm)
Frequency (MHz)
5220.0
5260.0

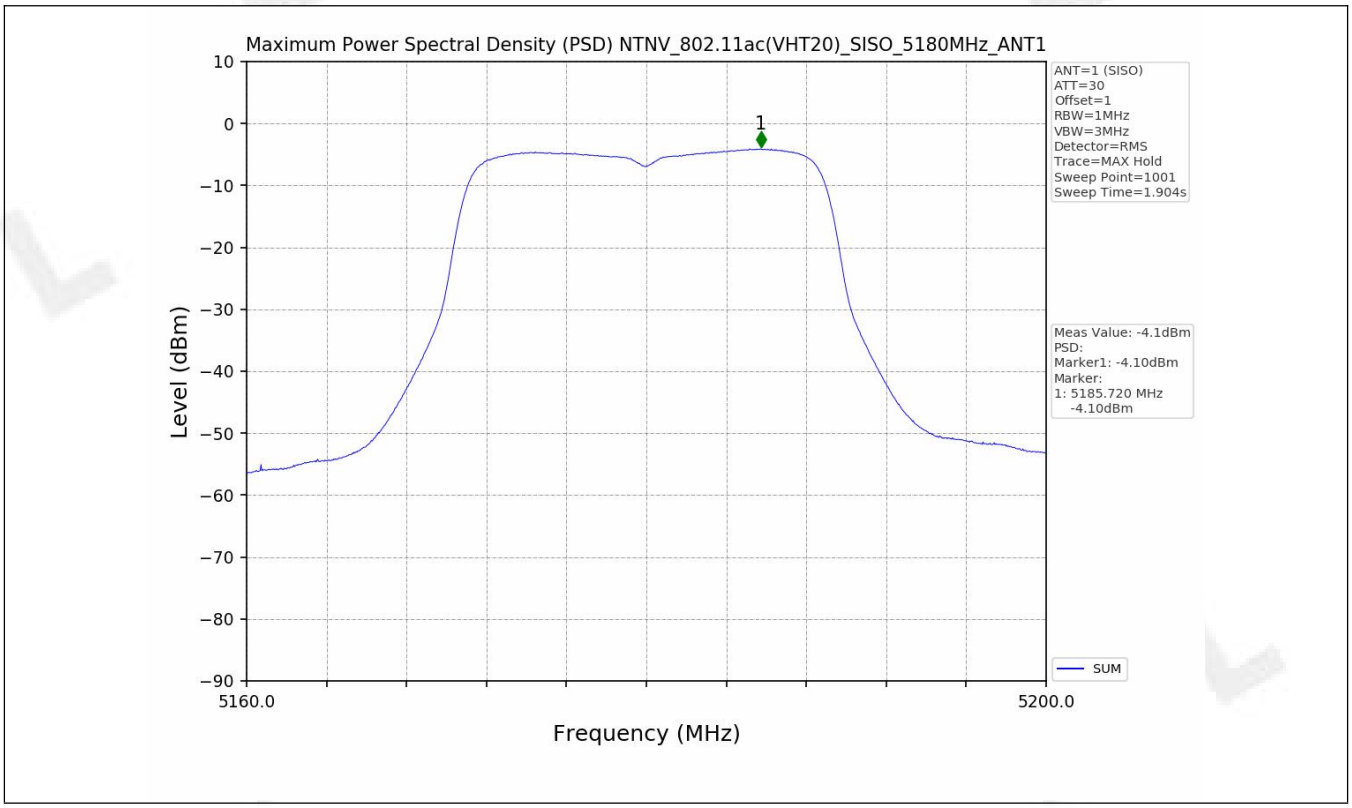

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.922s
Meas Value: -4.11dBm
PSD:
Marker1: -4.11dBm
Marker:
1: 5186.040 MHz
-4.11dBm
SUM
Level (dBm)
Frequency (MHz)
5160.0
5200.0

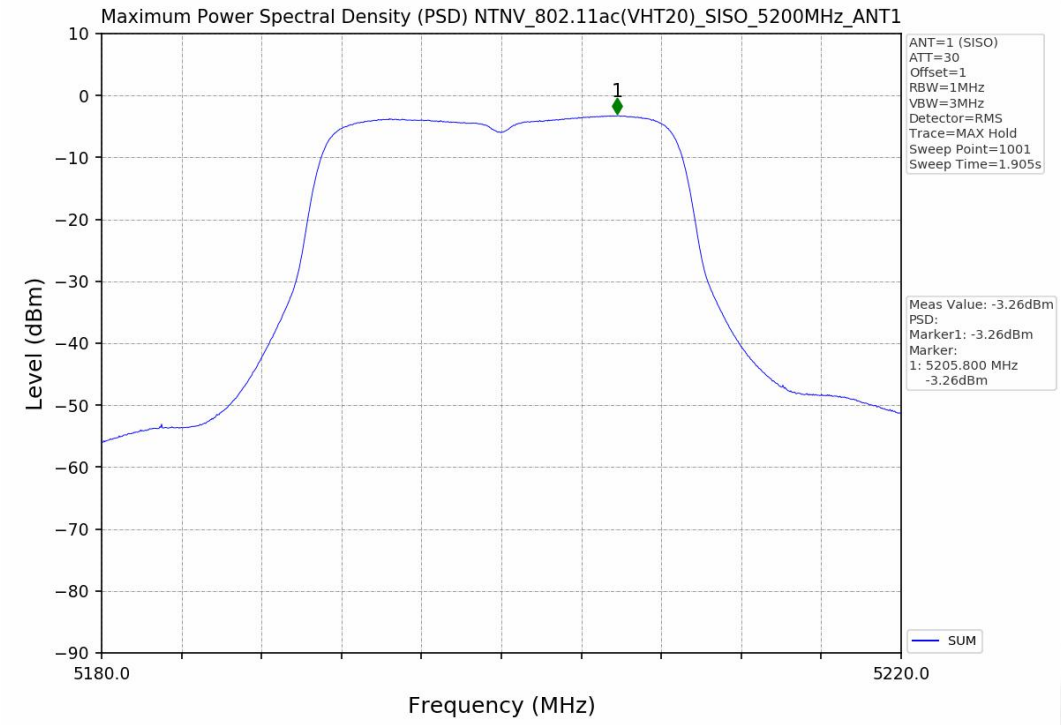

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.892s
Meas Value: -3.19dBm
PSD:
Marker1: -3.19dBm
Marker:
1: 5205.640 MHz
-3.19dBm
SUM
Level (dBm)
Frequency (MHz)
5180.0
5220.0

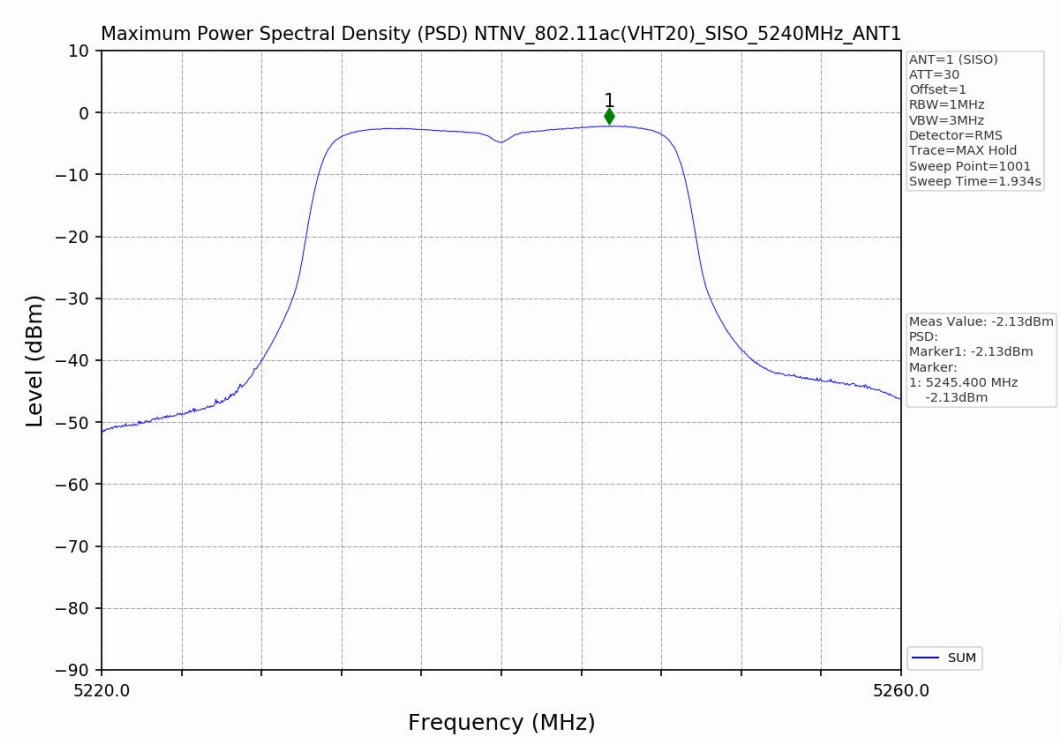

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.9s
Meas Value: -1.77dBm
PSD:
Marker1: -1.77dBm
Marker:
1: 5245.480 MHz
-1.77dBm
SUM
Level (dBm)
Frequency (MHz)
5220.0
5260.0

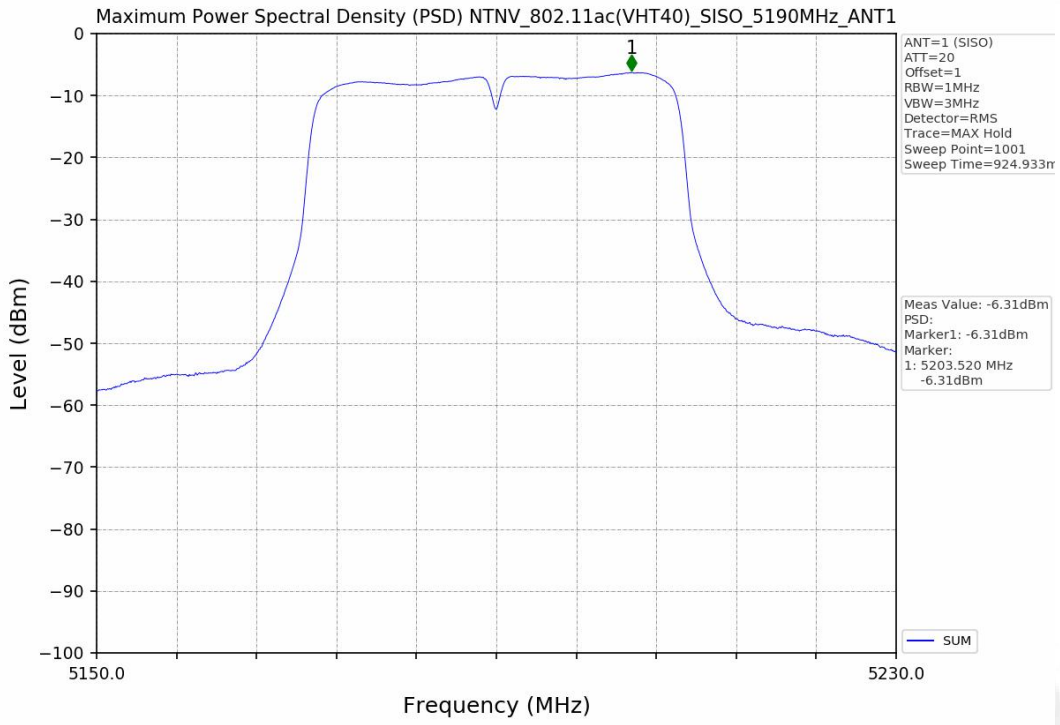

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=917.933m
Meas Value: -6dBm
PSD:
Marker1: -6.00dBm
Marker:
1: 5202.720 MHz
-6.00dBm
SUM
Level (dBm)
Frequency (MHz)
5150.0
5230.0

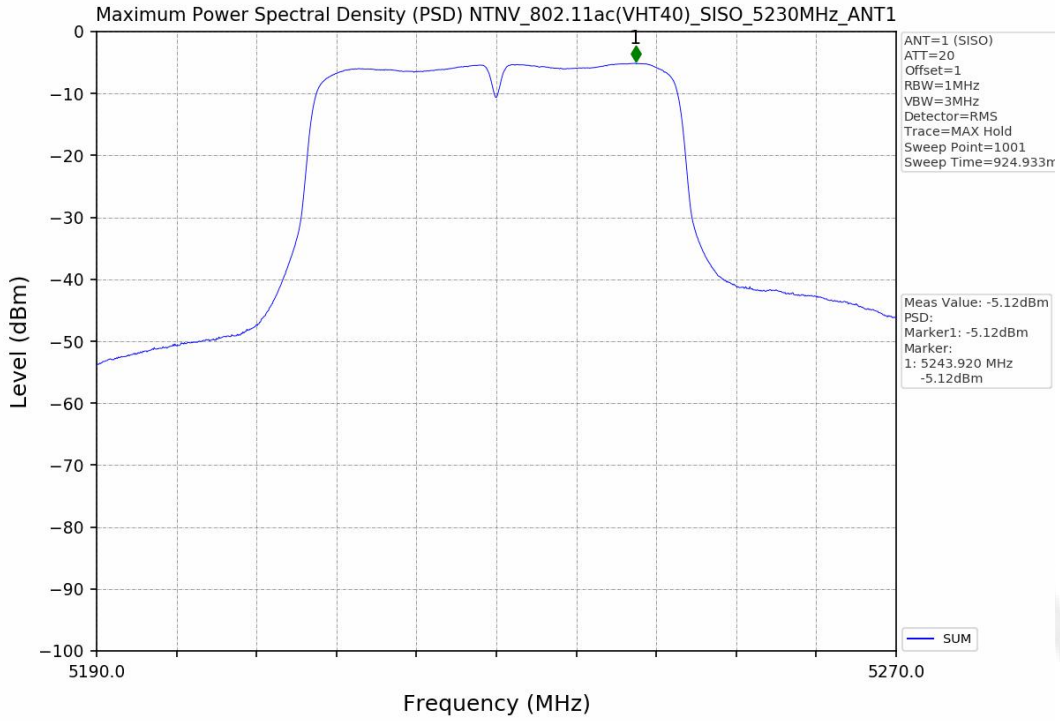

Maximum Power Spectral Density (PSD) NTNV_802.11n(HT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=916.933m
Meas Value: -4.89dBm
PSD:
Marker1: -4.89dBm
Marker:
1: 5244.640 MHz
-4.89dBm
SUM
Level (dBm)
Frequency (MHz)
5190.0
5270.0

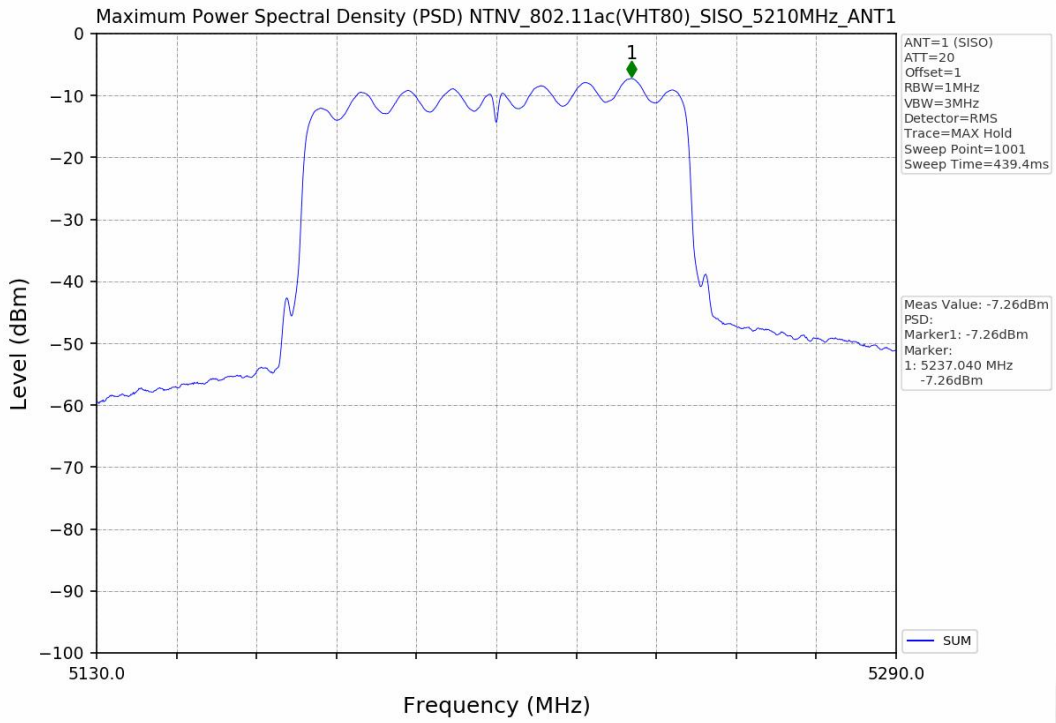

Maximum Power Spectral Density (PSD) NTNV_802.11ac(VHT20)_SISO_5180MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.904s
Meas Value: -4.1dBm
PSD:
Marker1: -4.10dBm
Marker:
1: 5185.720 MHz
-4.10dBm
SUM
Level (dBm)
Frequency (MHz)
5160.0
5200.0


Maximum Power Spectral Density (PSD) NTNV_802.11ac(VHT20)_SISO_5200MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.905s
Meas Value: -3.26dBm
PSD:
Marker1: -3.26dBm
Marker:
1: 5205.800 MHz
-3.26dBm
SUM
Level (dBm)
Frequency (MHz)
5180.0
5220.0


Maximum Power Spectral Density (PSD) NTNV_802.11ac(VHT20)_SISO_5240MHz_ANT1
ANT=1 (SISO)
ATT=30
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=1.934s
Meas Value: -2.13dBm
PSD:
Marker1: -2.13dBm
Marker:
1: 5245.400 MHz
-2.13dBm
SUM
Level (dBm)
Frequency (MHz)
5220.0
5260.0


Maximum Power Spectral Density (PSD) NTNV_802.11ac(VHT40)_SISO_5190MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=924.933n
Meas Value: -6.31dBm
PSD:
Marker1: -6.31dBm
Marker:
1: 5203.520 MHz
-6.31dBm
SUM
Level (dBm)
Frequency (MHz)
5150.0
5230.0


Maximum Power Spectral Density (PSD) NTNV_802.11ac(VHT40)_SISO_5230MHz_ANT1
ANT=1 (SISO)
ATT=20
Offset=1
RBW=1MHz
VBW=3MHz
Detector=RMS
Trace=MAX Hold
Sweep Point=1001
Sweep Time=924.933n
Meas Value: -5.12dBm
PSD:
Marker1: -5.12dBm
Marker:
1: 5243.920 MHz
-5.12dBm
SUM
Level (dBm)
Frequency (MHz)
5190.0
5270.0



4. Frequency Stability

4.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	Carrier	5180	1	-3.86	<=20	PASS
		5190	1	-4.24	<=20	PASS
		5200	1	-3.85	<=20	PASS
		5210	1	-4.03	<=20	PASS
		5230	1	-4.21	<=20	PASS
		5240	1	-3.82	<=20	PASS