

## Test Data

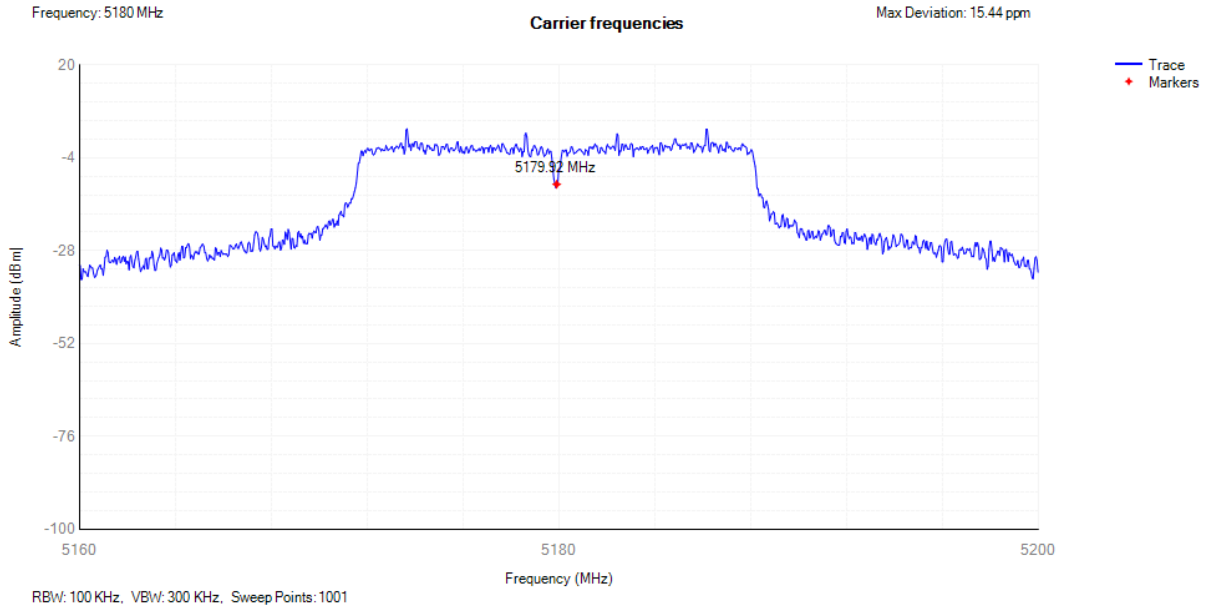
### (Ceramic antenna: 4.32dBi)

#### 5.4.2 Carrier frequencies

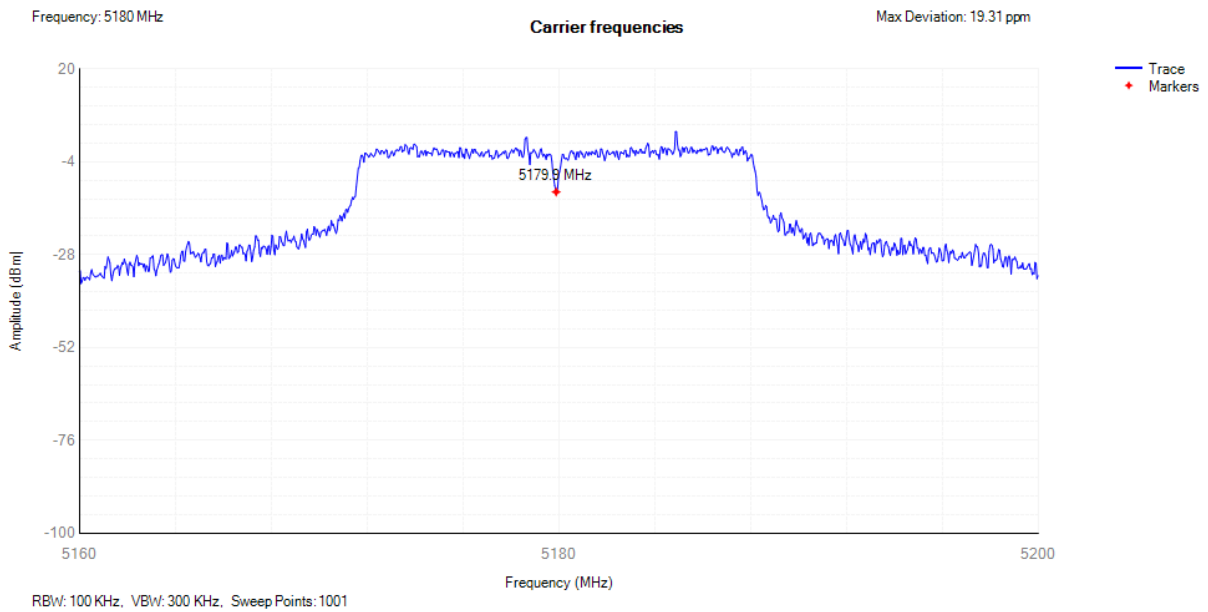
Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
<b>802.11a SISO-TX0</b>						
NVHT	802.11a	5180	5179.92	15.44	20	Pass
NVLT	802.11a	5180	5179.9	19.31	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11a SISO-TX1</b>						
NVHT	802.11a	5180	5179.92	15.44	20	Pass
NVLT	802.11a	5180	5179.9	19.31	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11n/ac MIMO</b>						
NVHT	802.11ac20	5180	5179.96	7.72	20	Pass
NVLT	802.11ac20	5180	5179.94	11.58	20	Pass
NVNT	802.11ac20	5180	5179.96	7.72	20	Pass
NVHT	802.11ac40	5190	5189.92	15.41	20	Pass
NVLT	802.11ac40	5190	5189.92	15.41	20	Pass
NVNT	802.11ac40	5190	5189.92	15.41	20	Pass
NVHT	802.11ac80	5210	5209.92	15.36	20	Pass
NVLT	802.11ac80	5210	5209.92	15.36	20	Pass
NVNT	802.11ac80	5210	5209.92	15.36	20	Pass
NVHT	802.11n(HT20)	5180	5179.96	7.72	20	Pass
NVLT	802.11n(HT20)	5180	5179.96	7.72	20	Pass
NVNT	802.11n(HT20)	5180	5179.94	11.58	20	Pass
NVHT	802.11n(HT40)	5190	5189.92	15.41	20	Pass
NVLT	802.11n(HT40)	5190	5189.92	15.41	20	Pass
NVNT	802.11n(HT40)	5190	5189.92	15.41	20	Pass

## 802.11a SISO-TX0

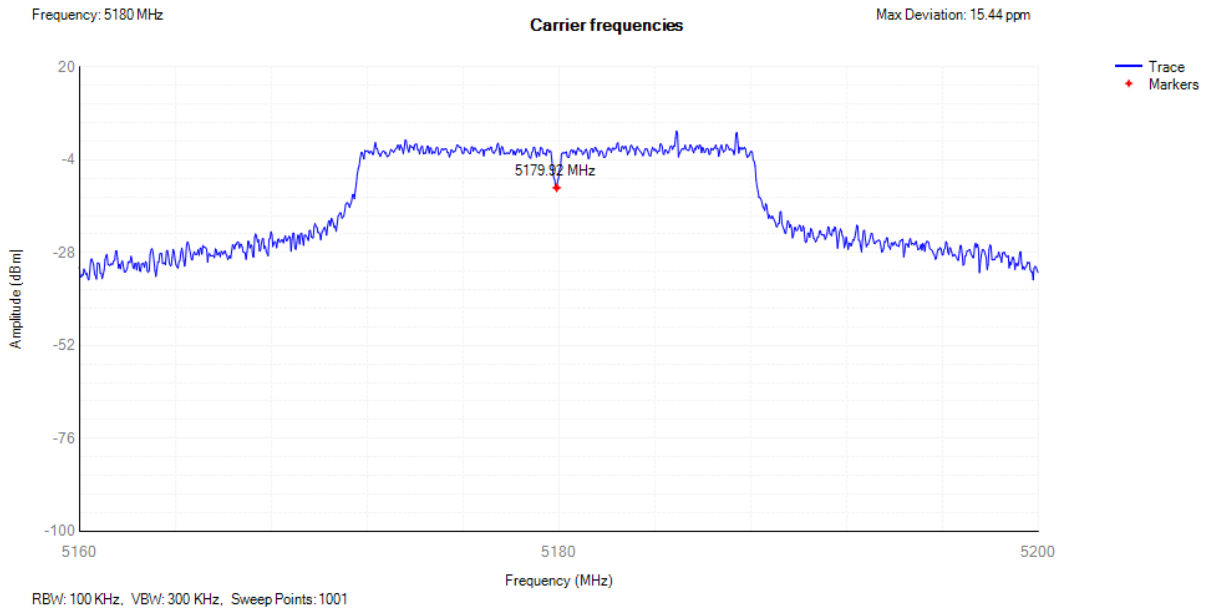
Carrier Freq. NVHT 802.11a 5180MHz



## Carrier Freq. NVLT 802.11a 5180MHz

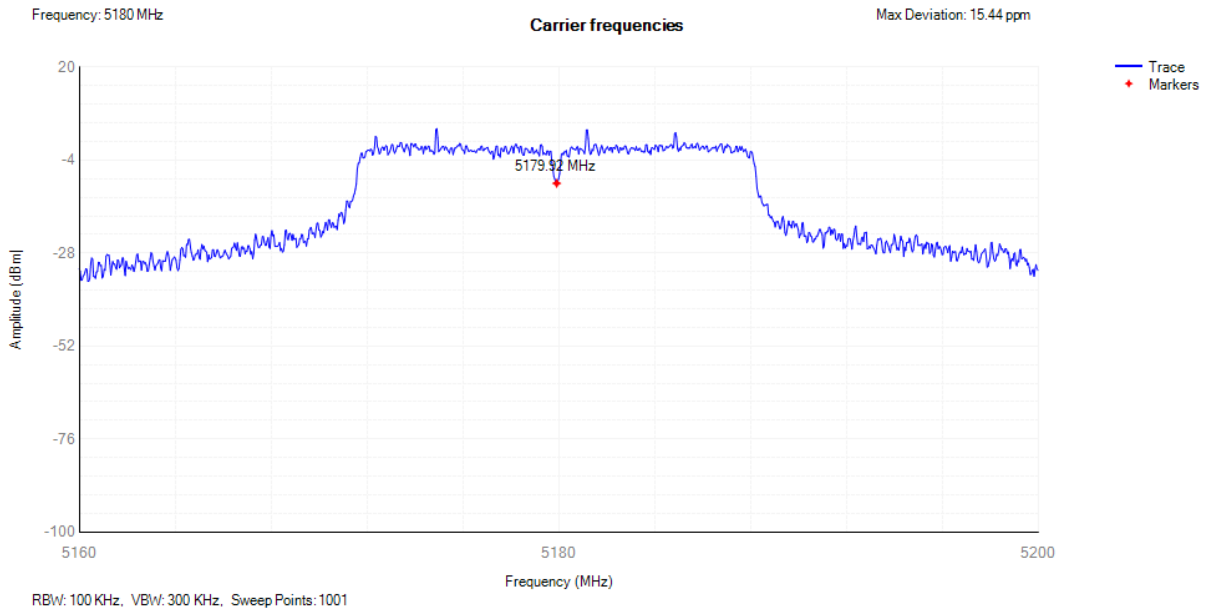


## Carrier Freq. NVNT 802.11a 5180MHz

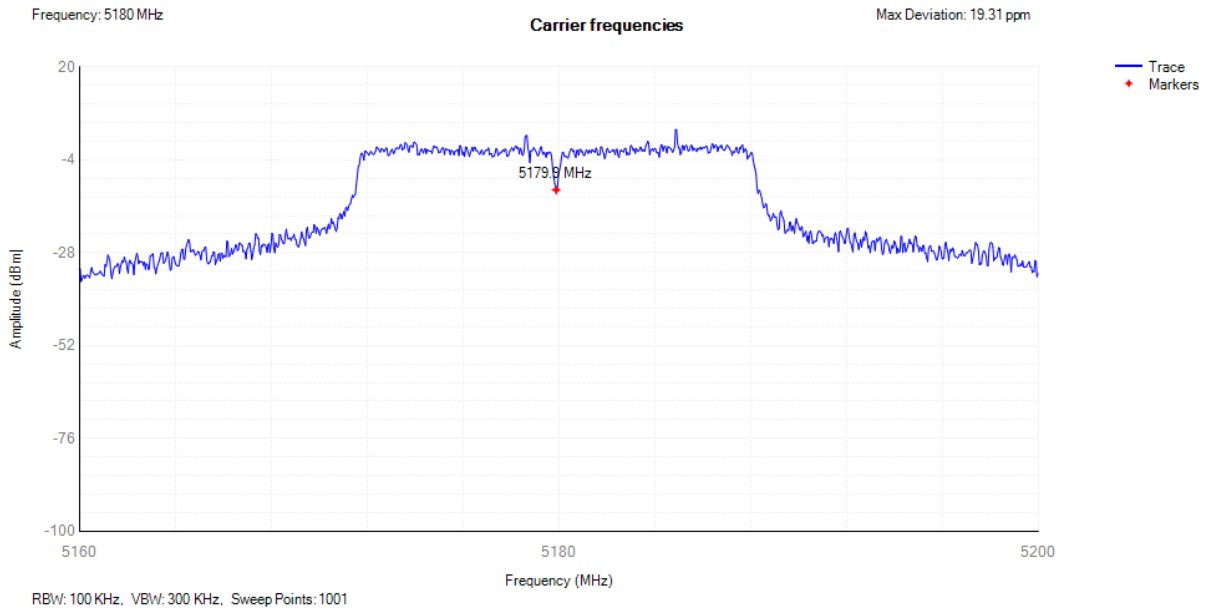


## 802.11a SISI-TX1

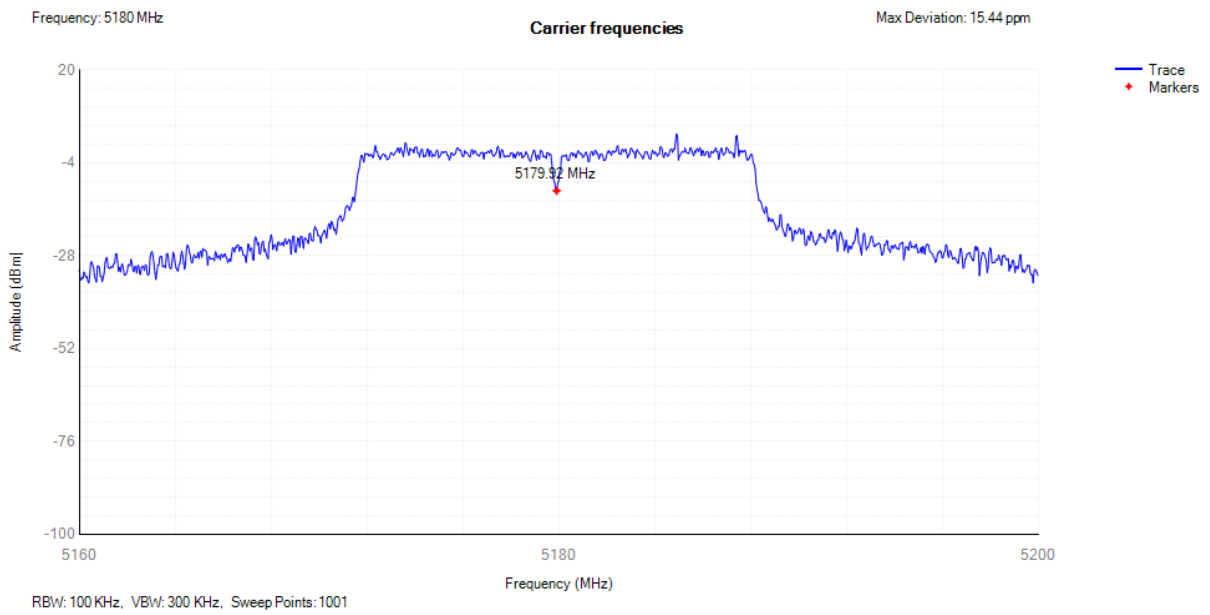
## Carrier Freq. NVHT 802.11a 5180MHz



## Carrier Freq. NVLT 802.11a 5180MHz

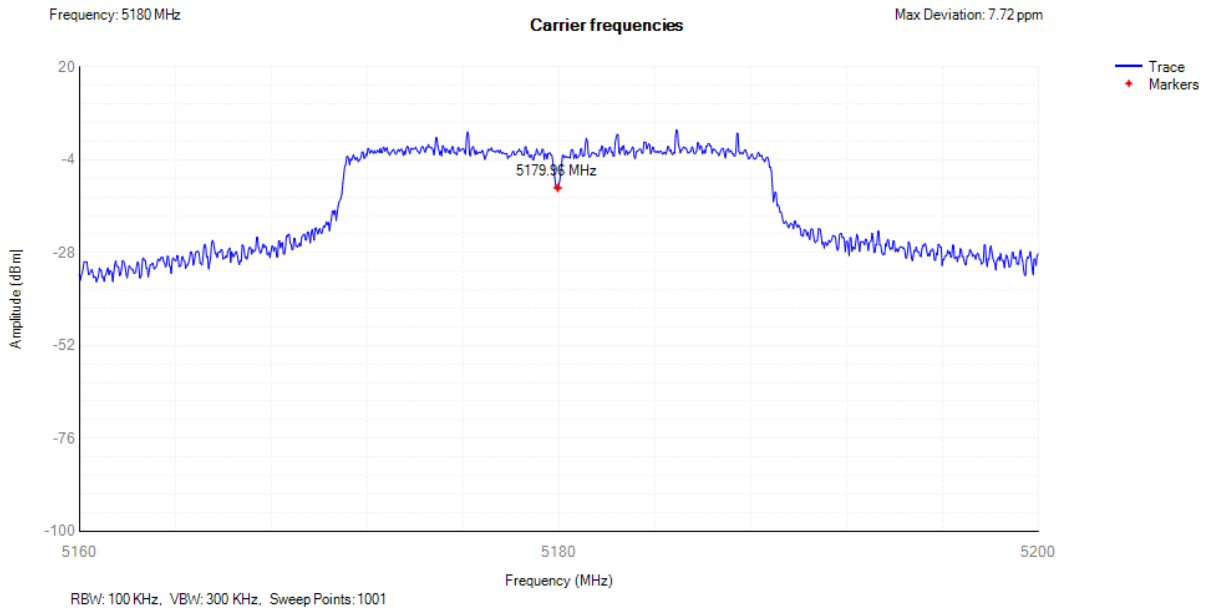


## Carrier Freq. NVNT 802.11a 5180MHz

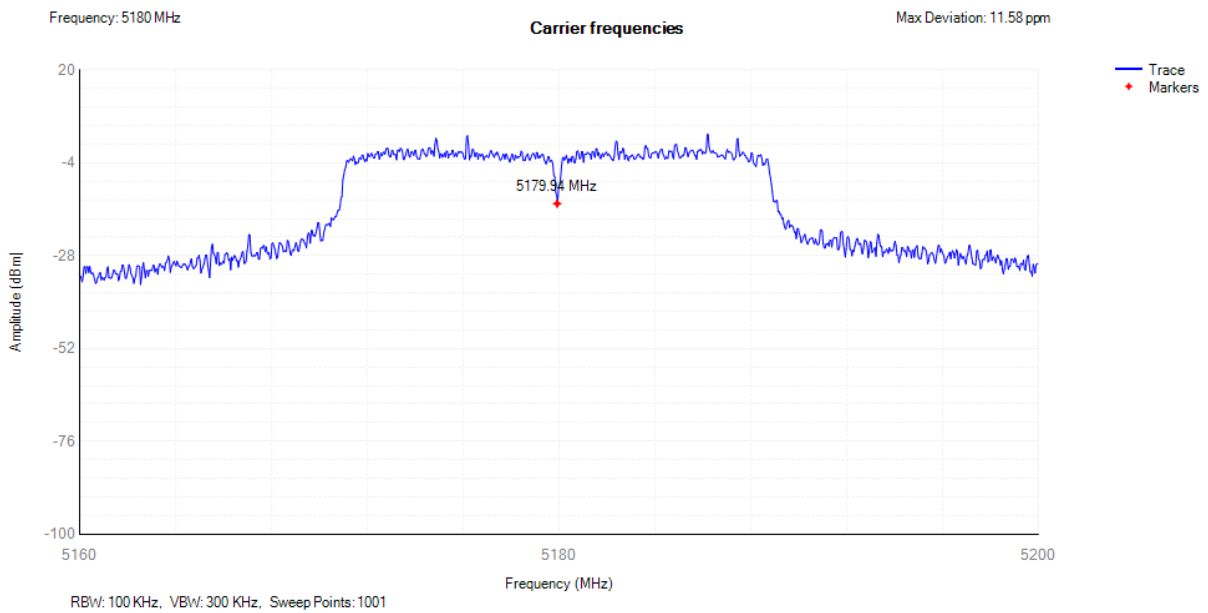


## 802.11n/ac MIMO

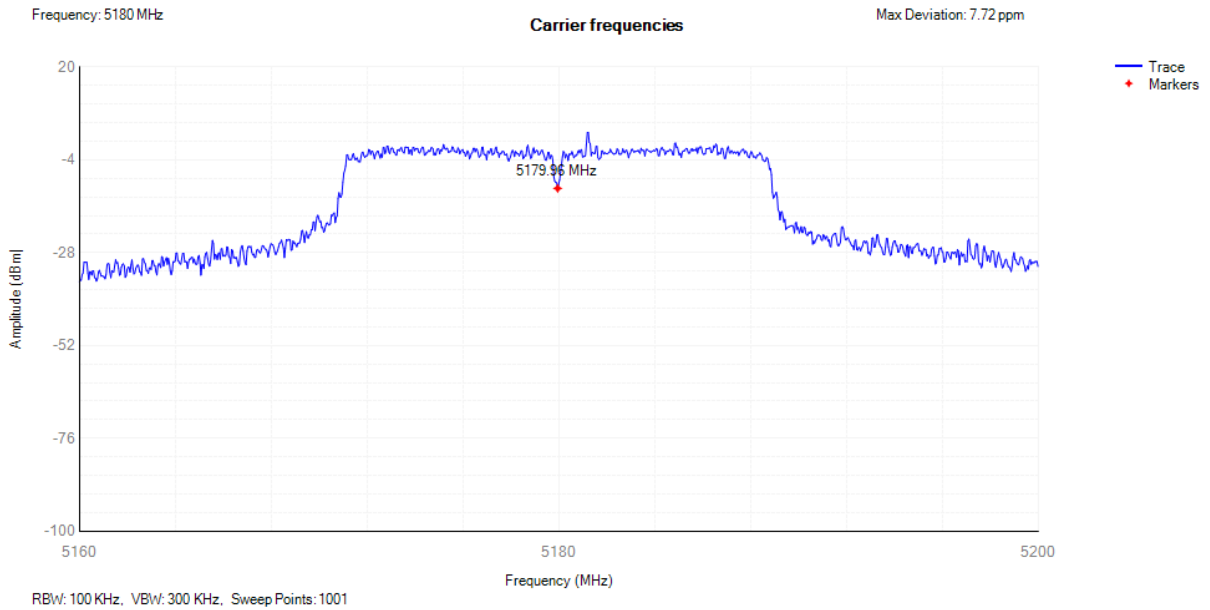
### Carrier Freq. NVHT 802.11ac20 5180MHz



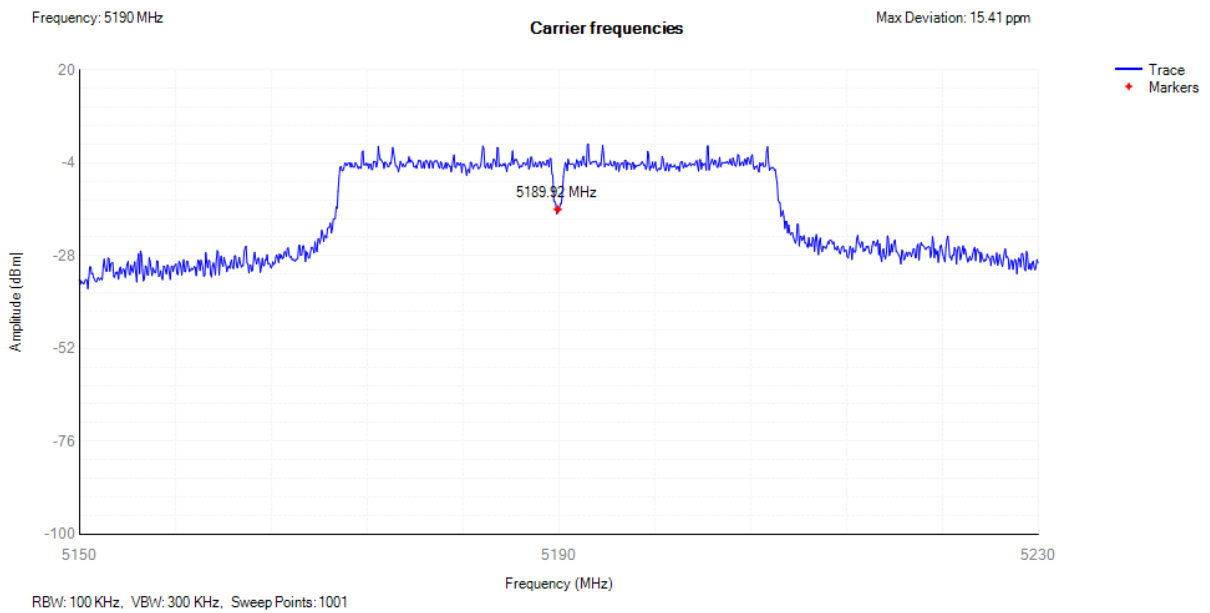
### Carrier Freq. NVLT 802.11ac20 5180MHz



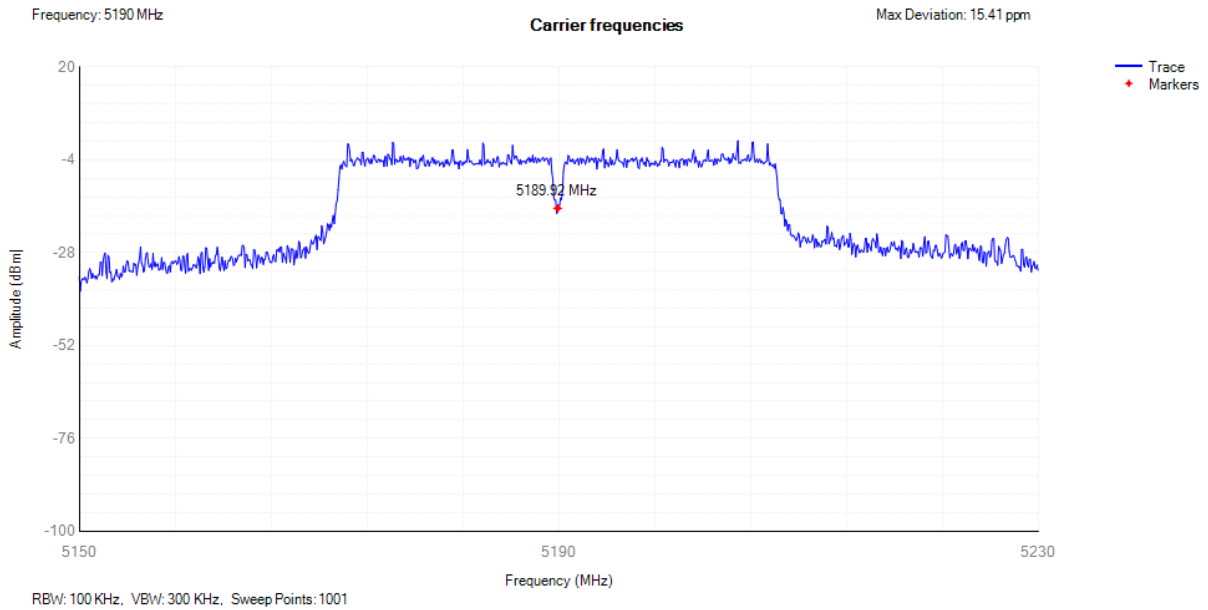
### Carrier Freq. NVNT 802.11ac20 5180MHz



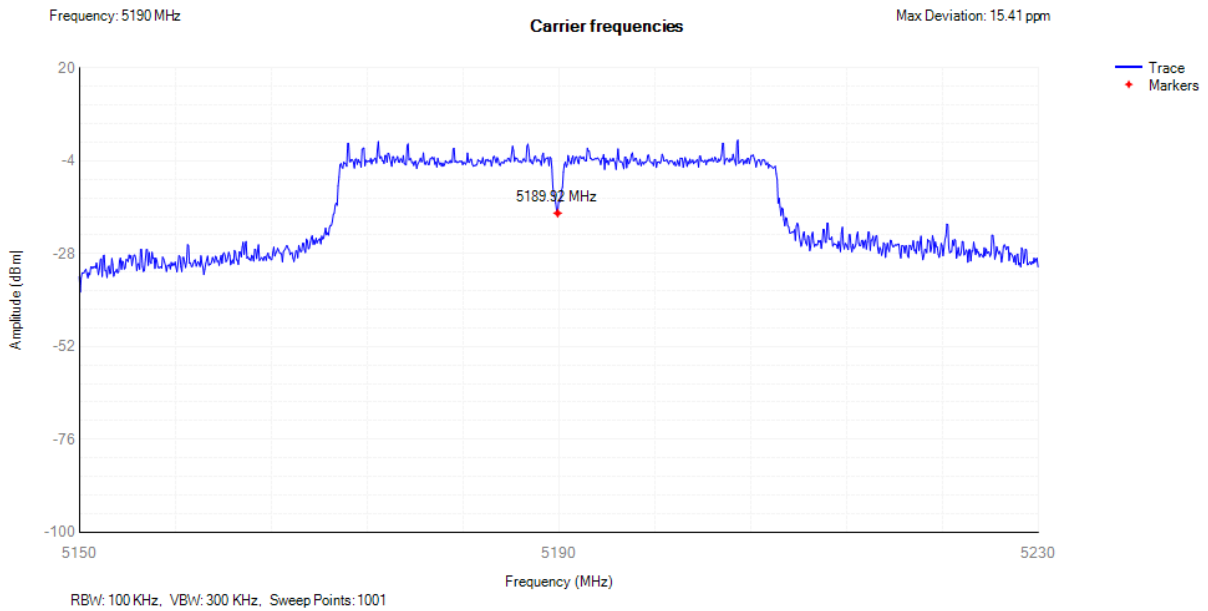
### Carrier Freq. NVHT 802.11ac40 5190MHz



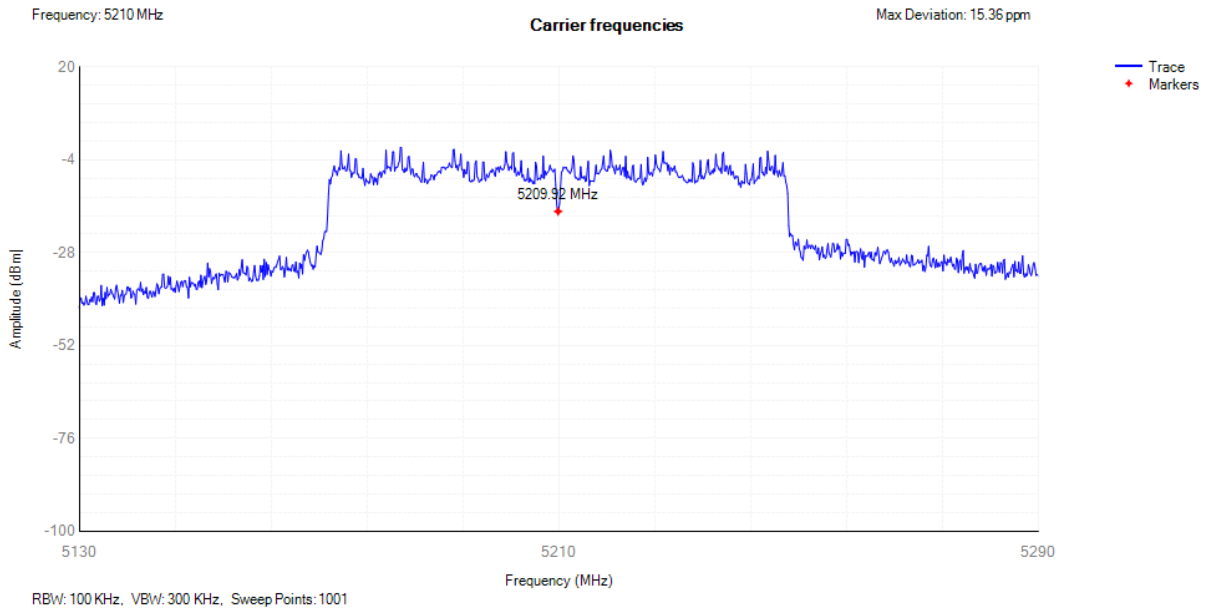
## Carrier Freq. NVLT 802.11ac40 5190MHz



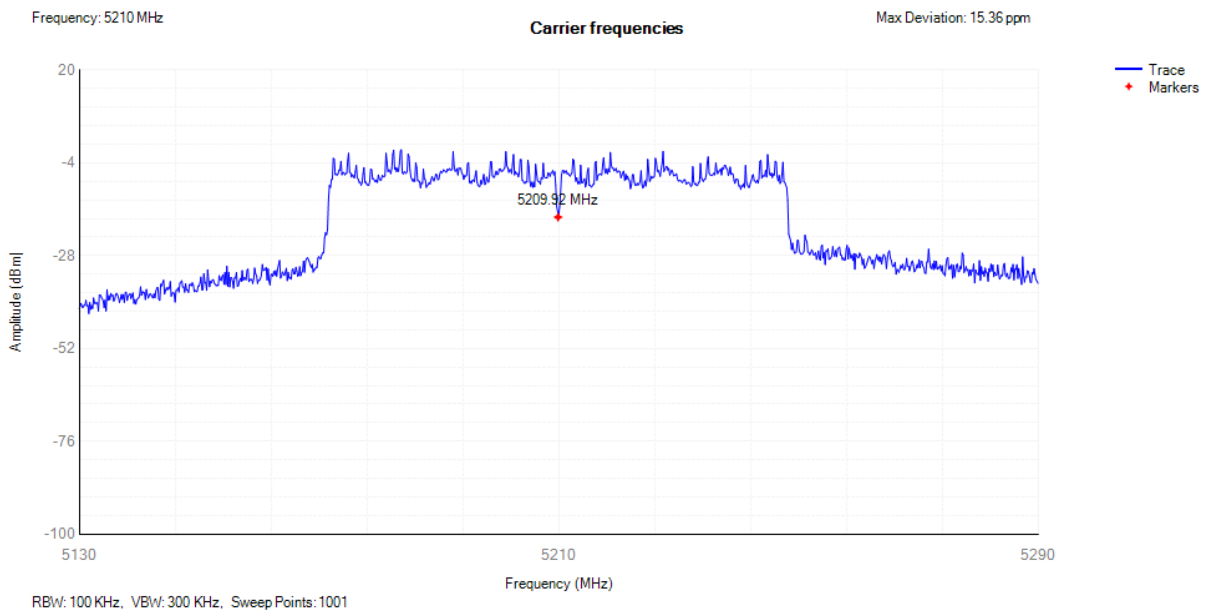
## Carrier Freq. NVNT 802.11ac40 5190MHz



## Carrier Freq. NVHT 802.11ac80 5210MHz

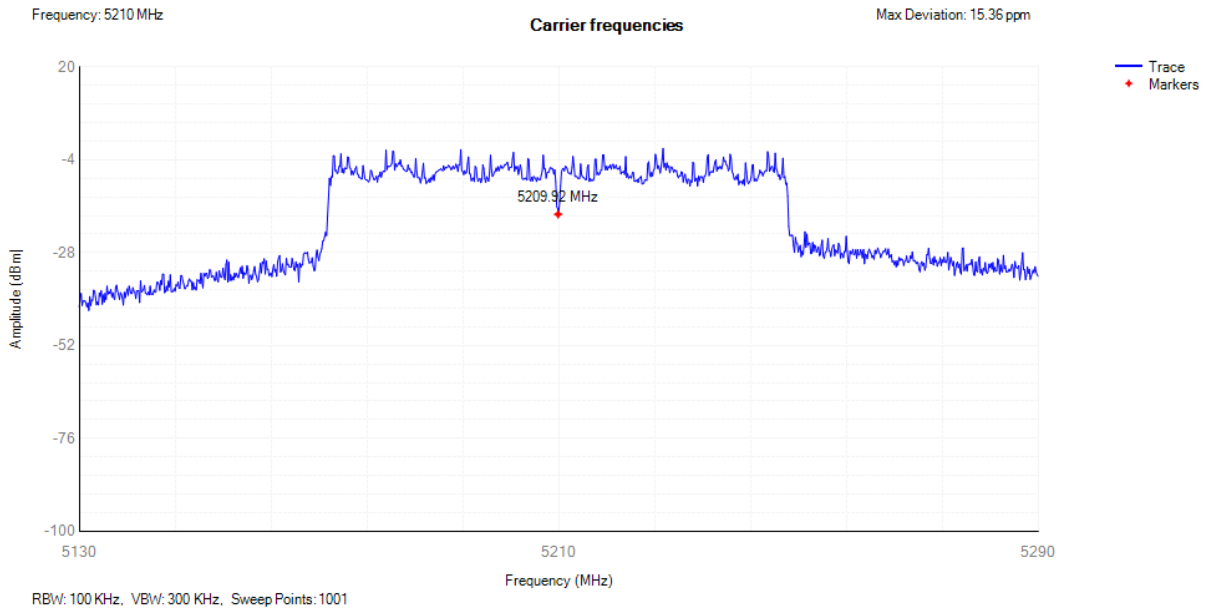


## Carrier Freq. NVLT 802.11ac80 5210MHz

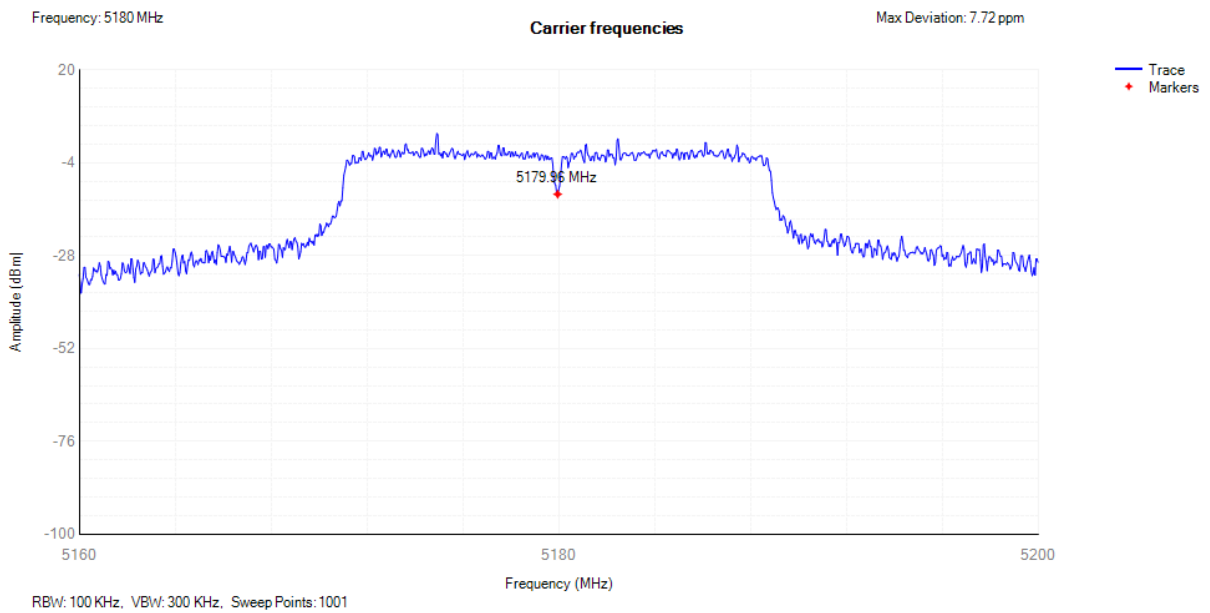




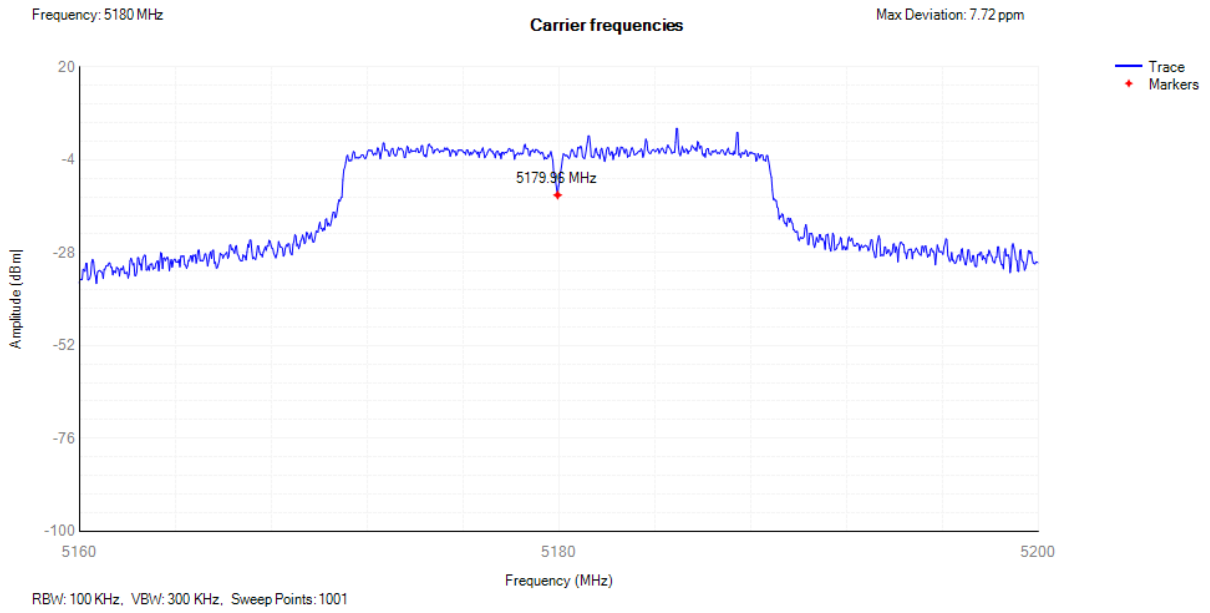
### Carrier Freq. NVNT 802.11ac80 5210MHz



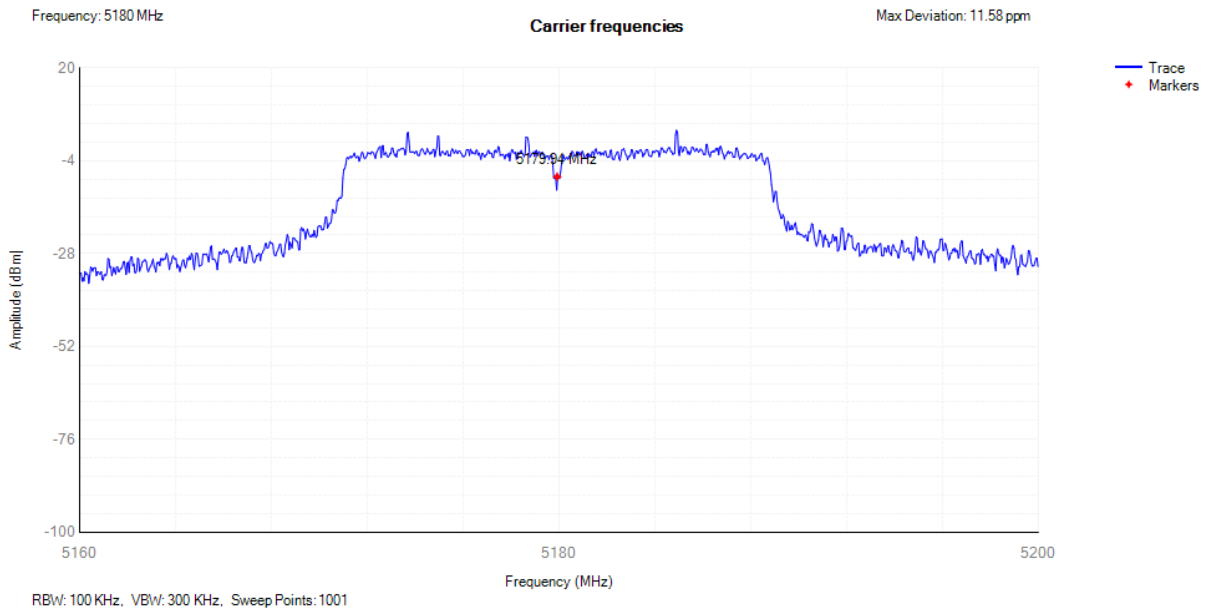
### Carrier Freq. NVHT 802.11n(HT20) 5180MHz



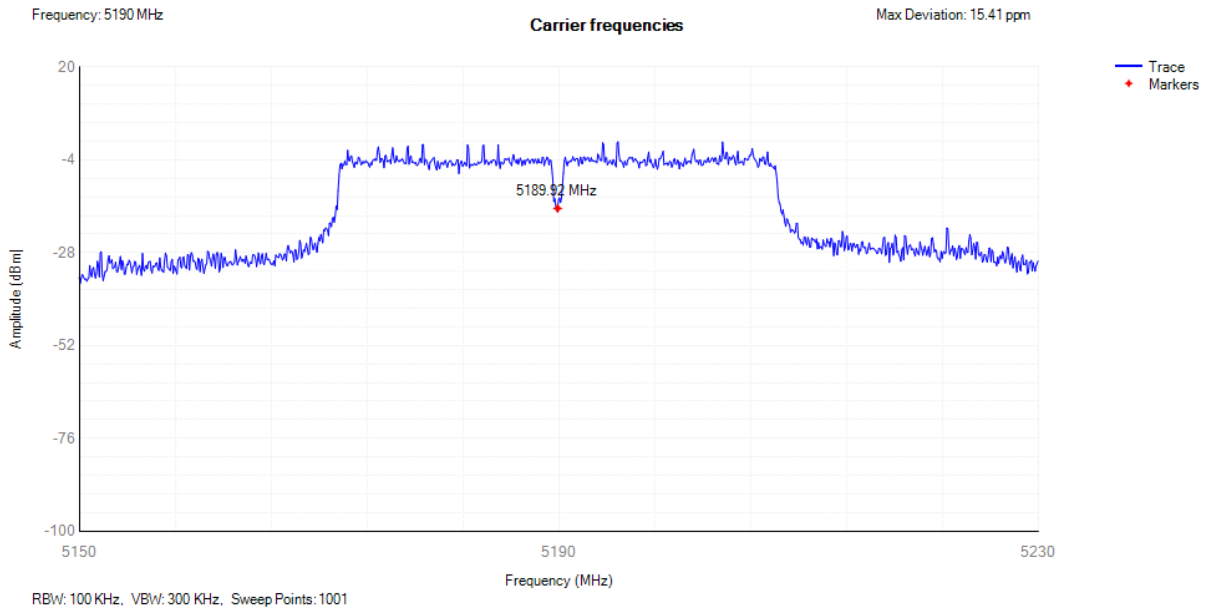
## Carrier Freq. NVLT 802.11n(HT20) 5180MHz



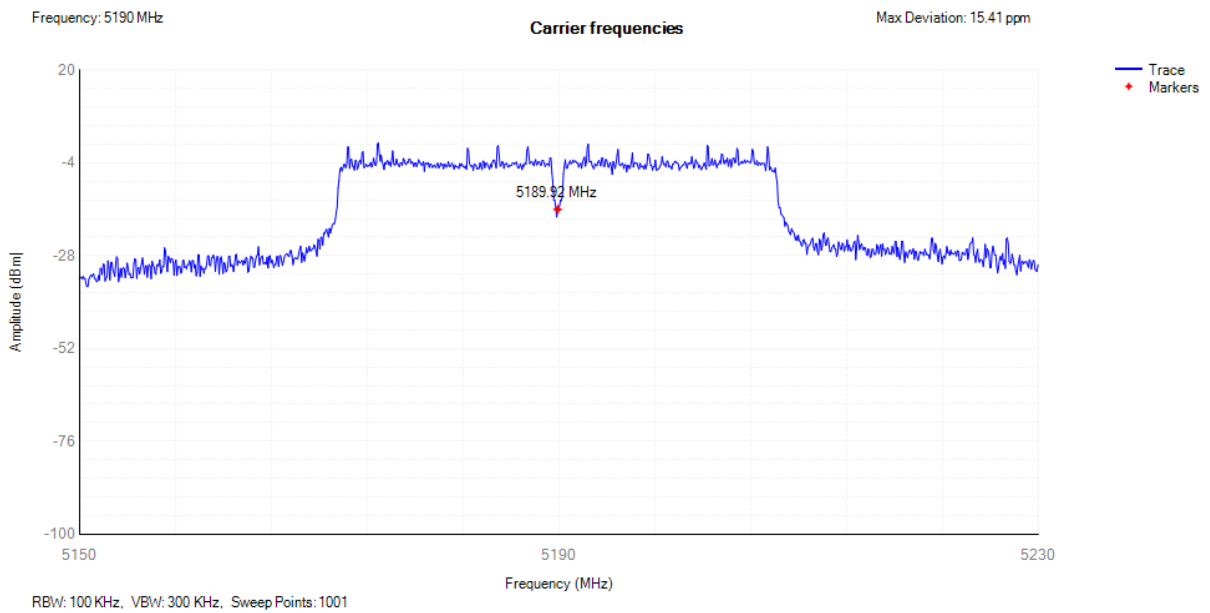
## Carrier Freq. NVNT 802.11n(HT20) 5180MHz



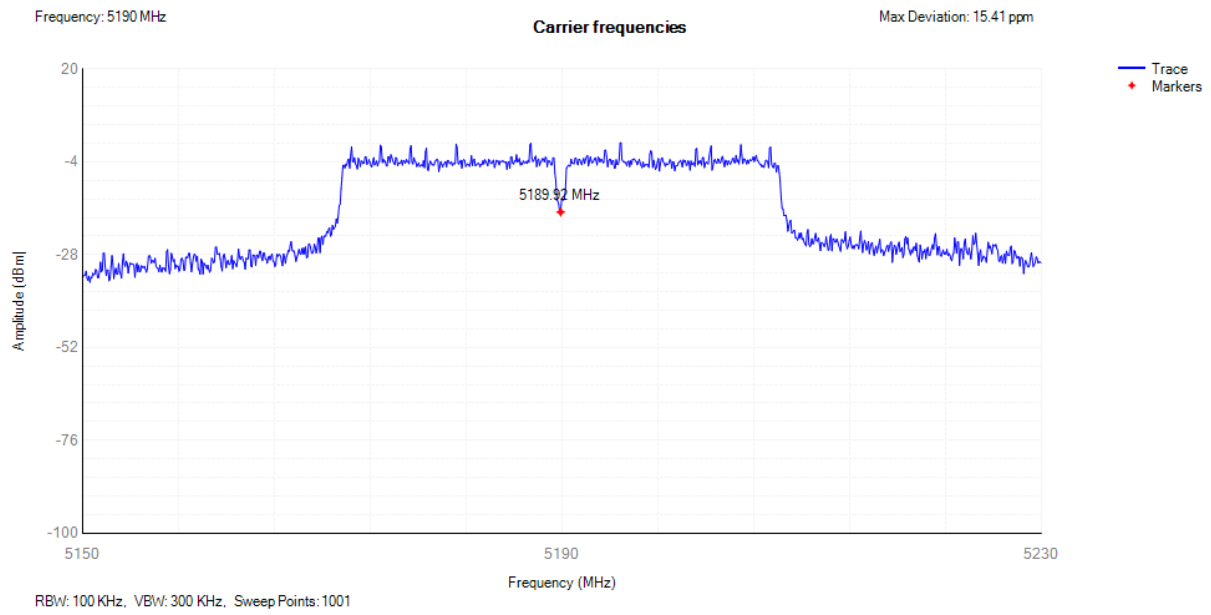
## Carrier Freq. NVHT 802.11n(HT40) 5190MHz



## Carrier Freq. NVLT 802.11n(HT40) 5190MHz



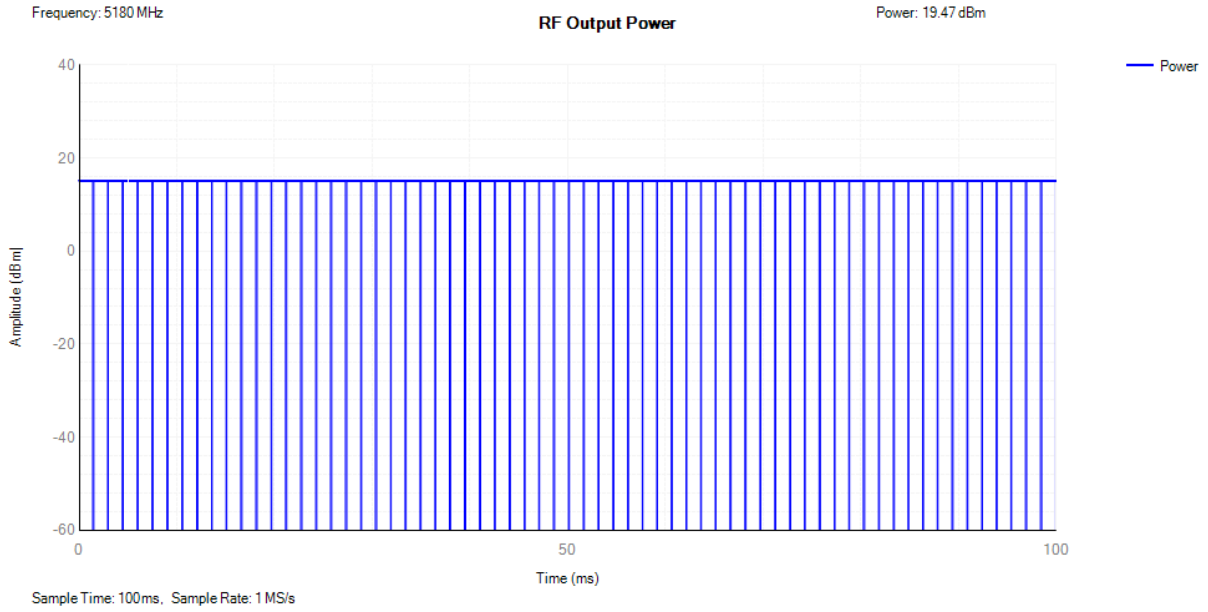
## Carrier Freq. NVNT 802.11n(HT40) 5190MHz



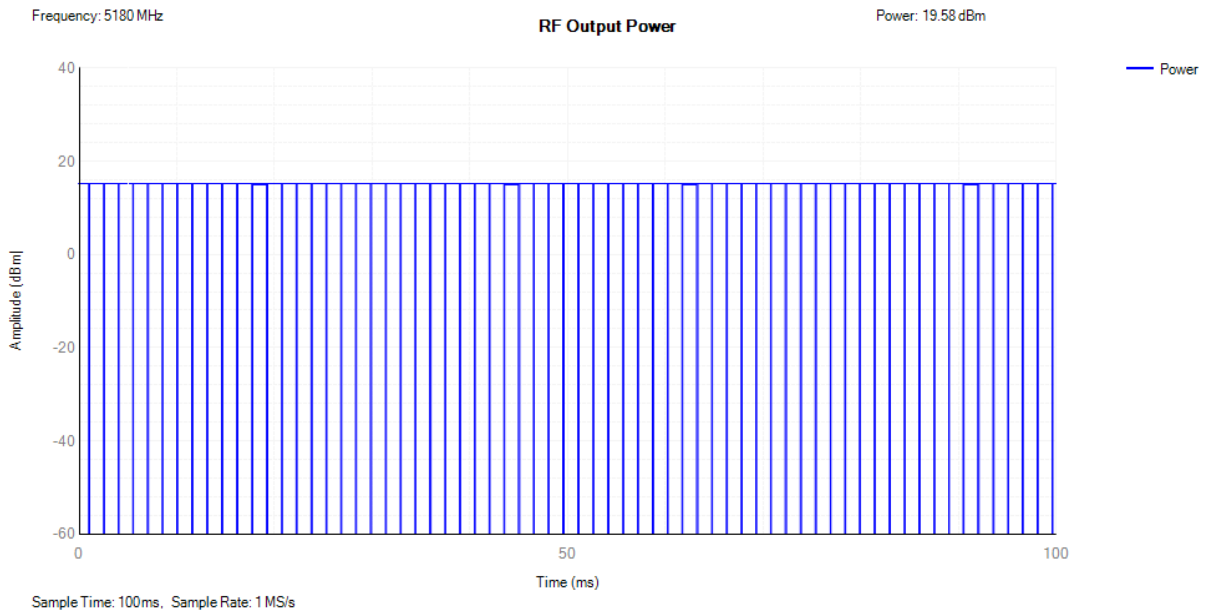
## 5.4.4 RF Output Power

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVHT	802.11a	5180	15.15	66	19.47	23	Pass
NVLT	802.11a	5180	15.26	67	19.58	23	Pass
NVNT	802.11a	5180	15.23	67	19.55	23	Pass
<b>802.11a SISO-TX1</b>							
NVHT	802.11a	5180	15.79	67	20.11	23	Pass
NVLT	802.11a	5180	15.8	67	20.12	23	Pass
NVNT	802.11a	5180	15.8	67	20.12	23	Pass
<b>802.11n/ac MIMO</b>							
NVHT	802.11ac20	5180	15.28	71	19.6	23	Pass
NVLT	802.11ac20	5180	15.28	71	19.6	23	Pass
NVNT	802.11ac20	5180	15.31	70	19.63	23	Pass
NVHT	802.11ac40	5190	15.62	132	19.94	23	Pass
NVLT	802.11ac40	5190	15.61	133	19.93	23	Pass
NVNT	802.11ac40	5190	15.71	133	20.03	23	Pass
NVHT	802.11ac80	5210	15.36	238	19.68	23	Pass
NVLT	802.11ac80	5210	15.39	236	19.71	23	Pass
NVNT	802.11ac80	5210	15.44	239	19.76	23	Pass
NVHT	802.11n(HT20)	5180	15.32	71	19.64	23	Pass
NVLT	802.11n(HT20)	5180	15.36	71	19.68	23	Pass
NVNT	802.11n(HT20)	5180	15.36	71	19.68	23	Pass
NVHT	802.11n(HT40)	5190	15.64	134	19.96	23	Pass
NVLT	802.11n(HT40)	5190	15.62	134	19.94	23	Pass
NVNT	802.11n(HT40)	5190	15.72	134	20.04	23	Pass

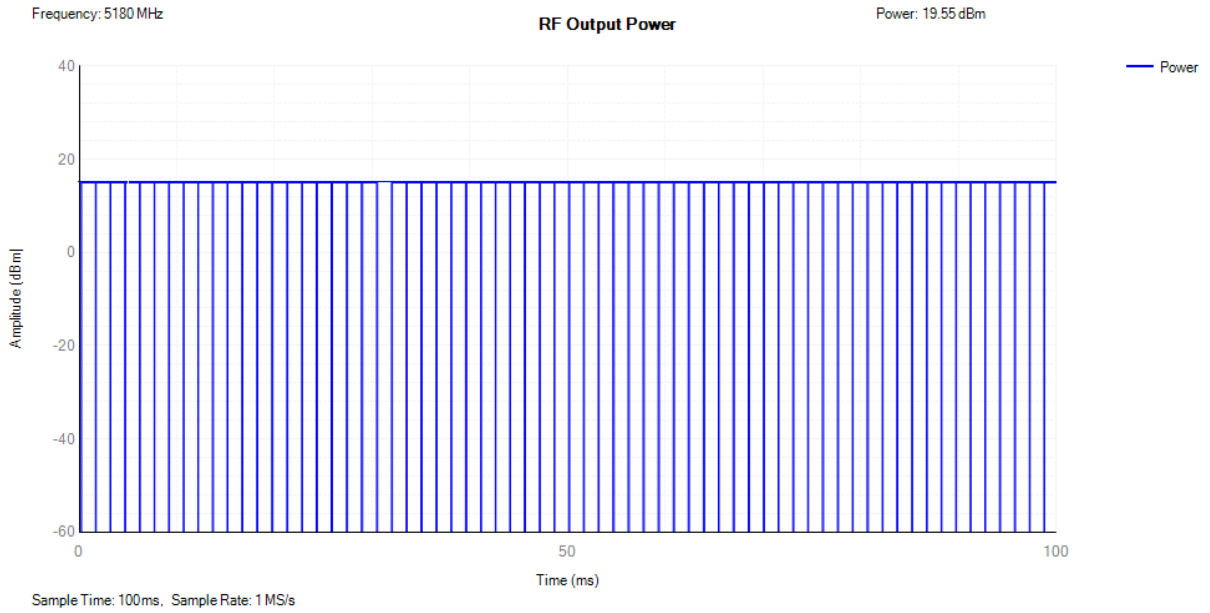
## 802.11a SISO-TX0 Power NVHT 802.11a 5180MHz



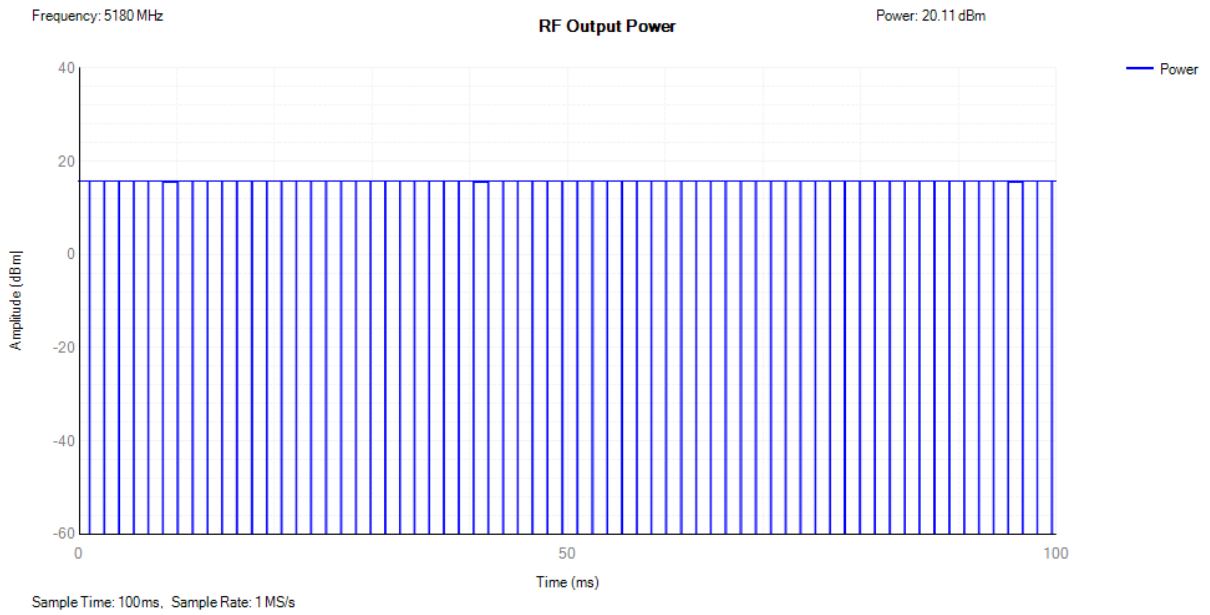
## Power NVLT 802.11a 5180MHz



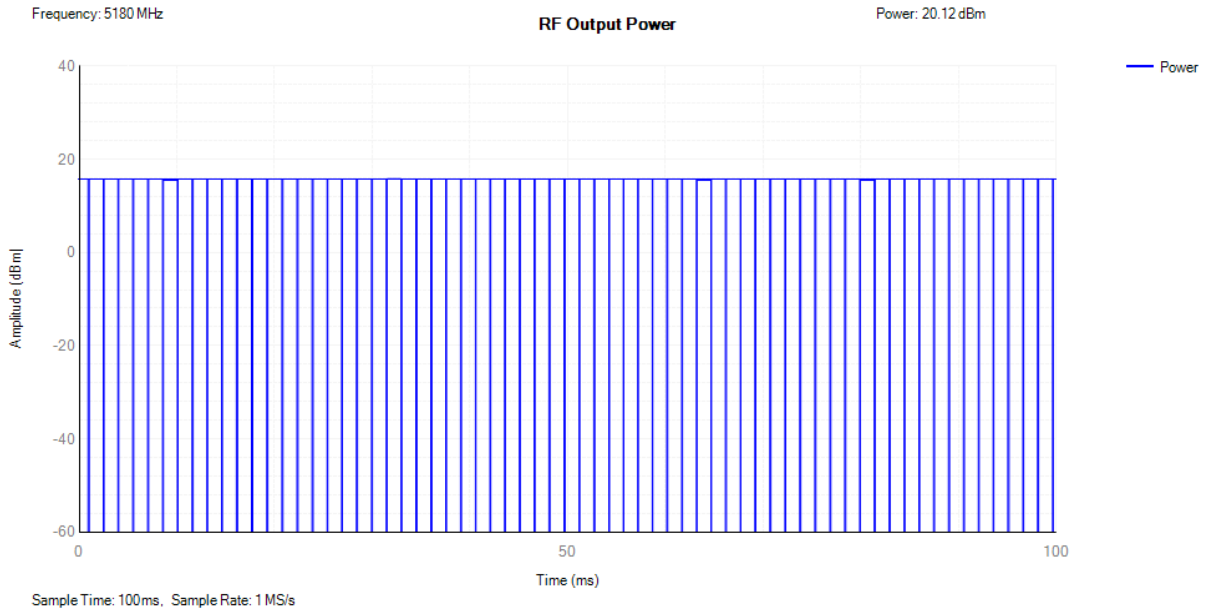
## Power NVNT 802.11a 5180MHz



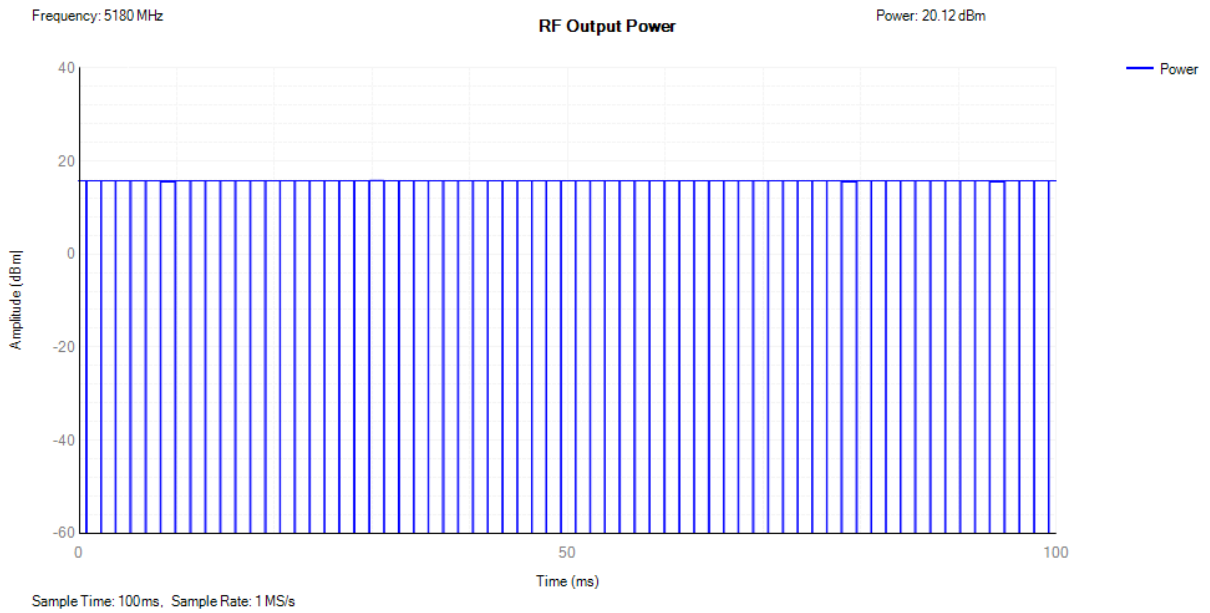
## 802.11a SISO-TX1 Power NVHT 802.11a 5180MHz



### Power NVLT 802.11a 5180MHz

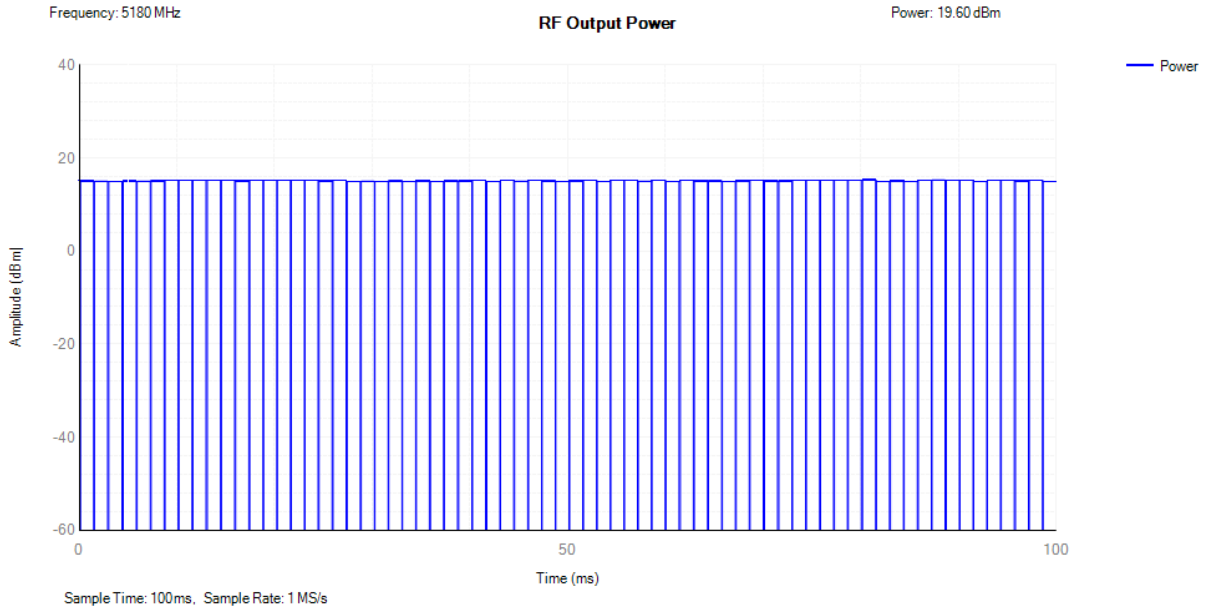


### Power NVNT 802.11a 5180MHz

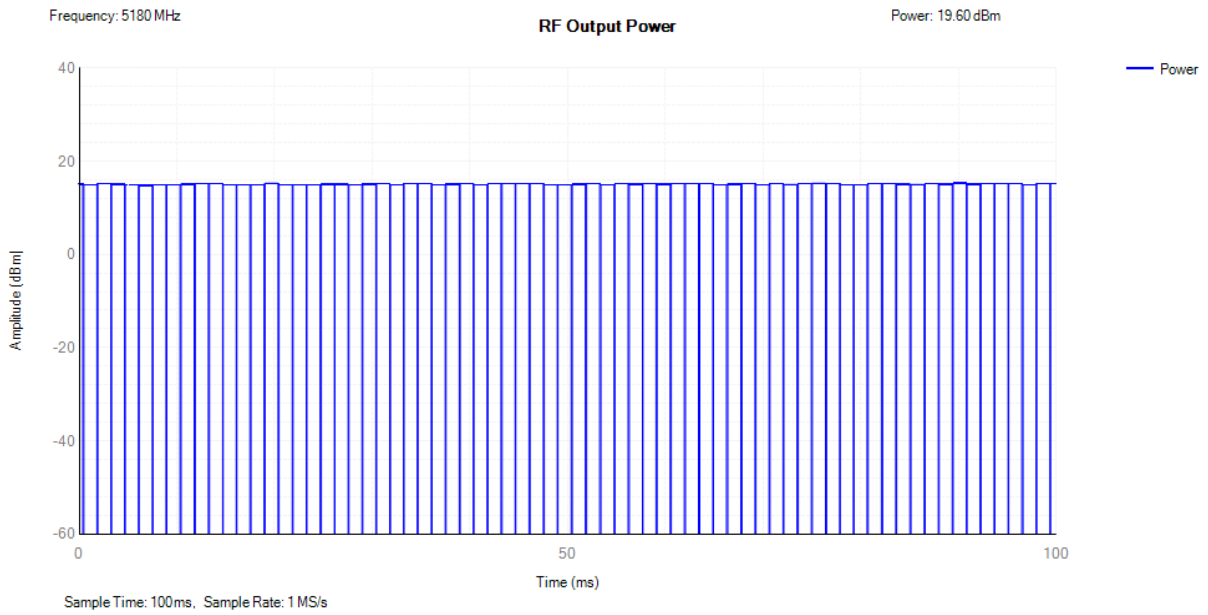




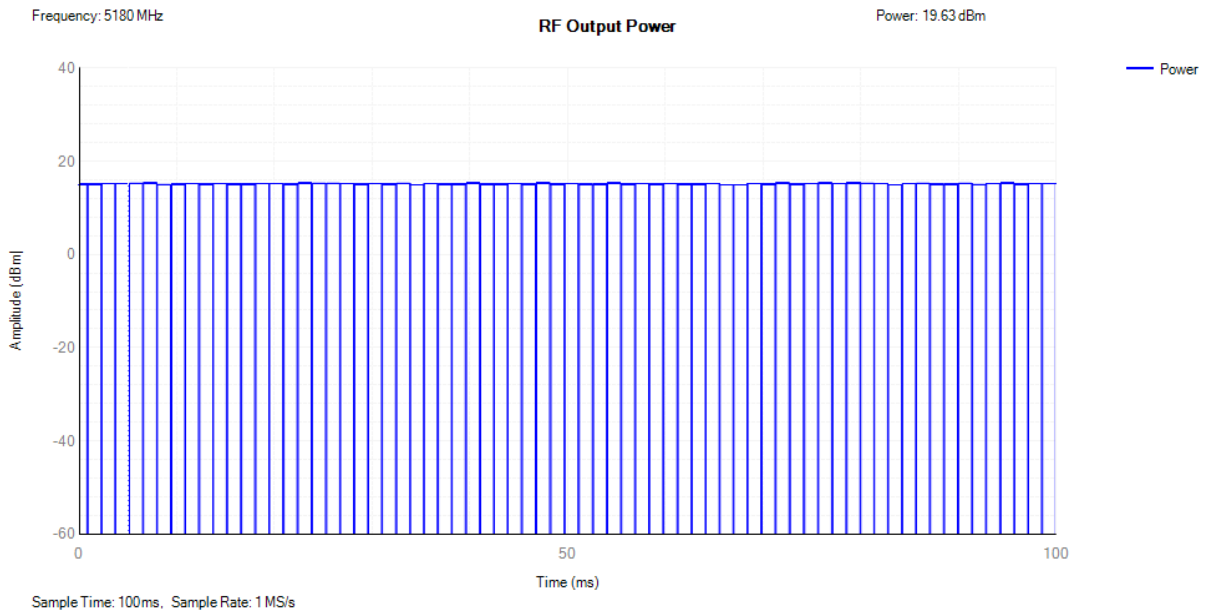
## 802.11n/ac MIMO Power NVHT 802.11ac20 5180MHz



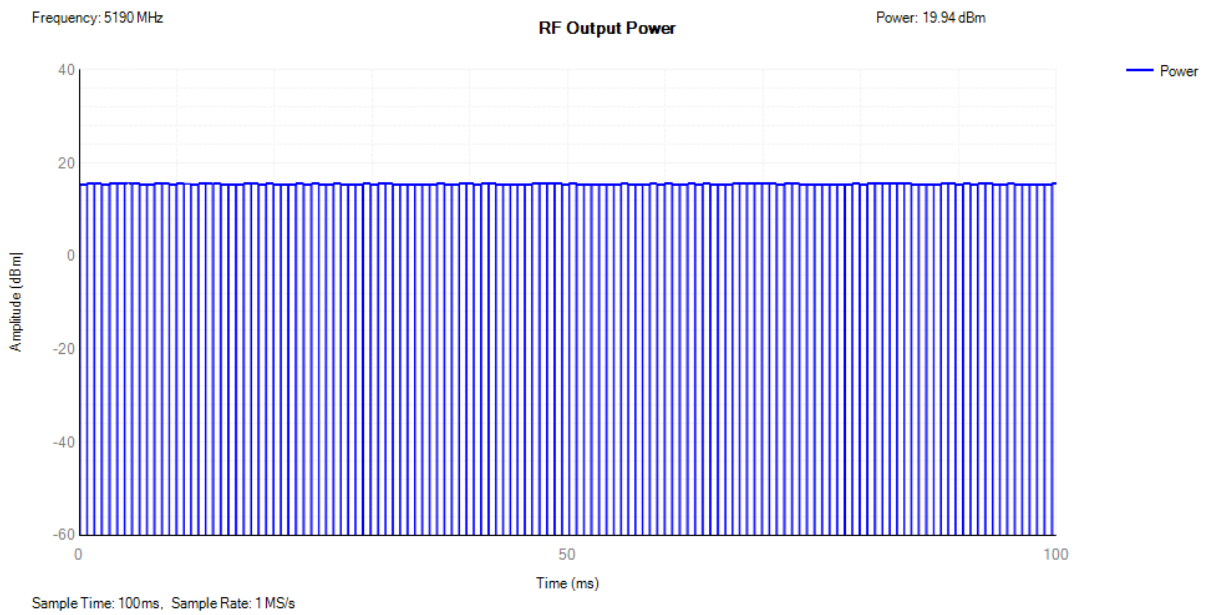
## Power NVLT 802.11ac20 5180MHz



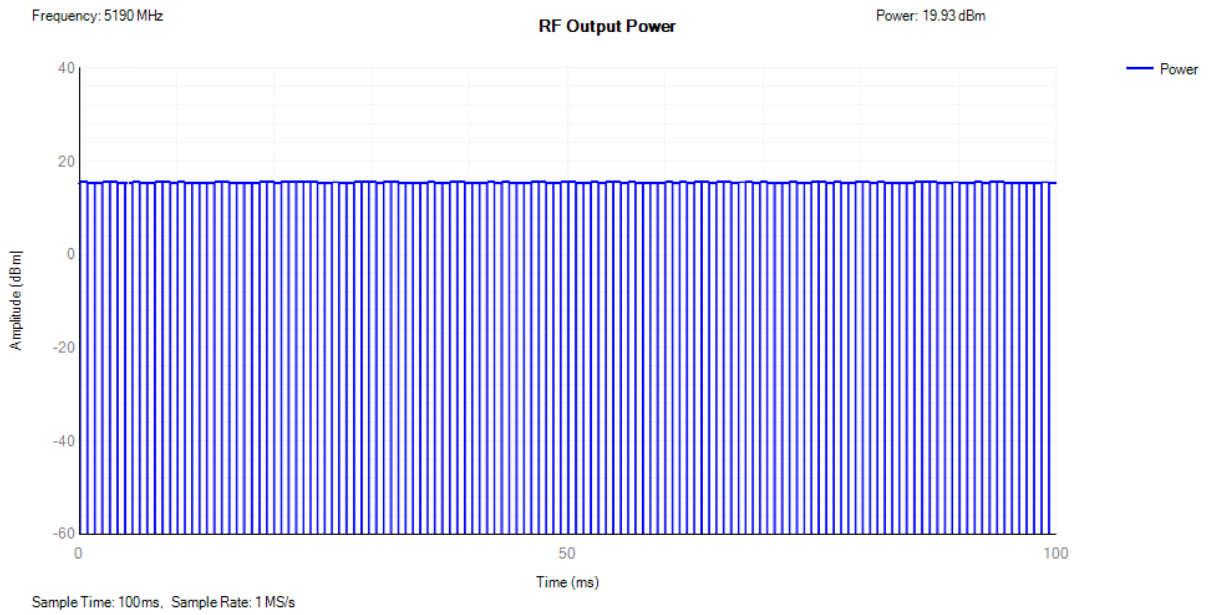
## Power NVNT 802.11ac20 5180MHz



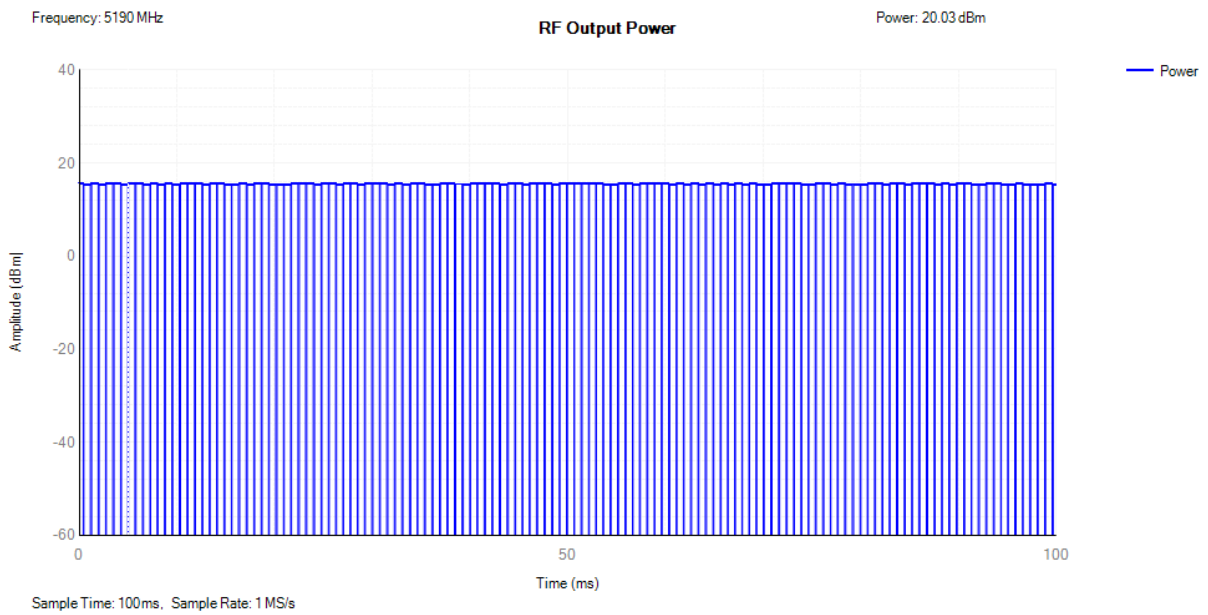
## Power NVHT 802.11ac40 5190MHz



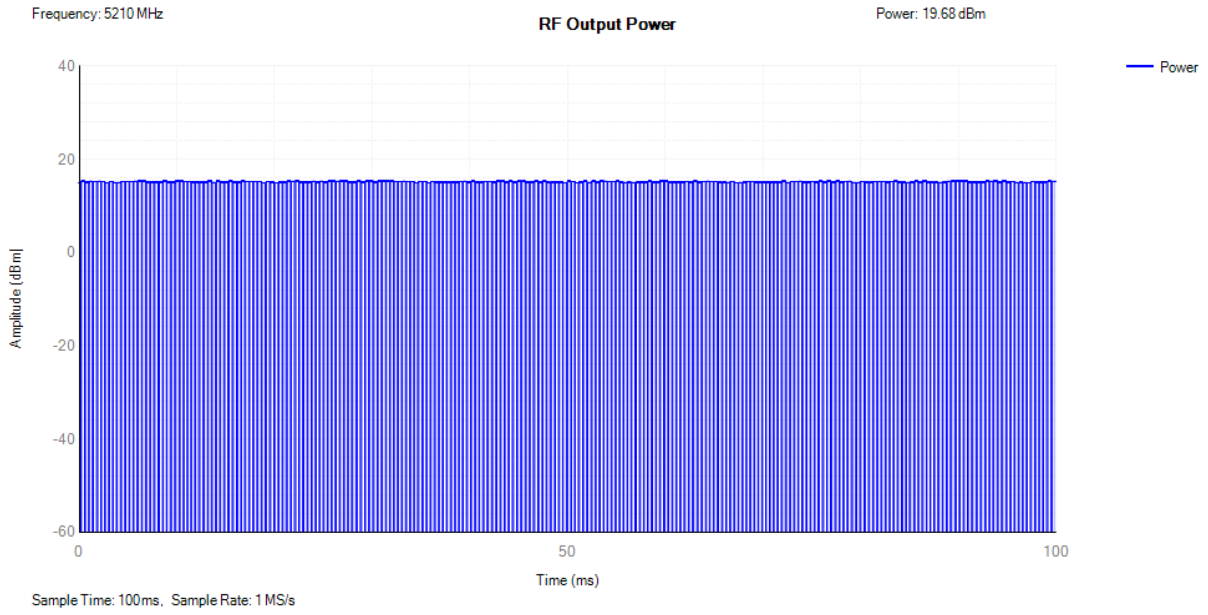
## Power NVLT 802.11ac40 5190MHz



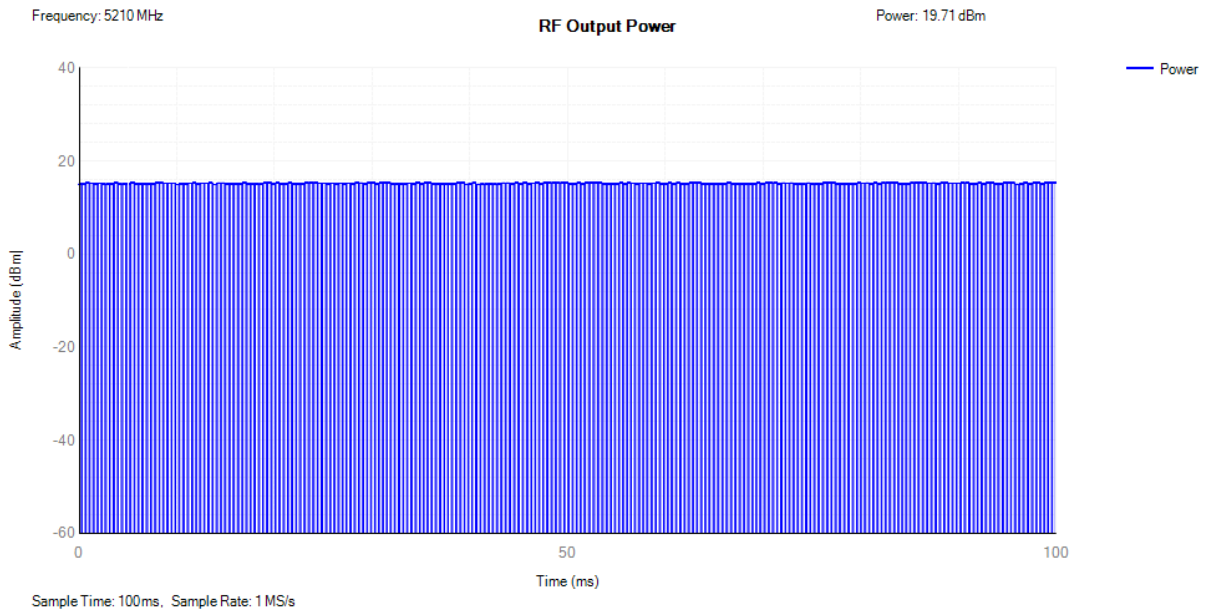
## Power NVNT 802.11ac40 5190MHz



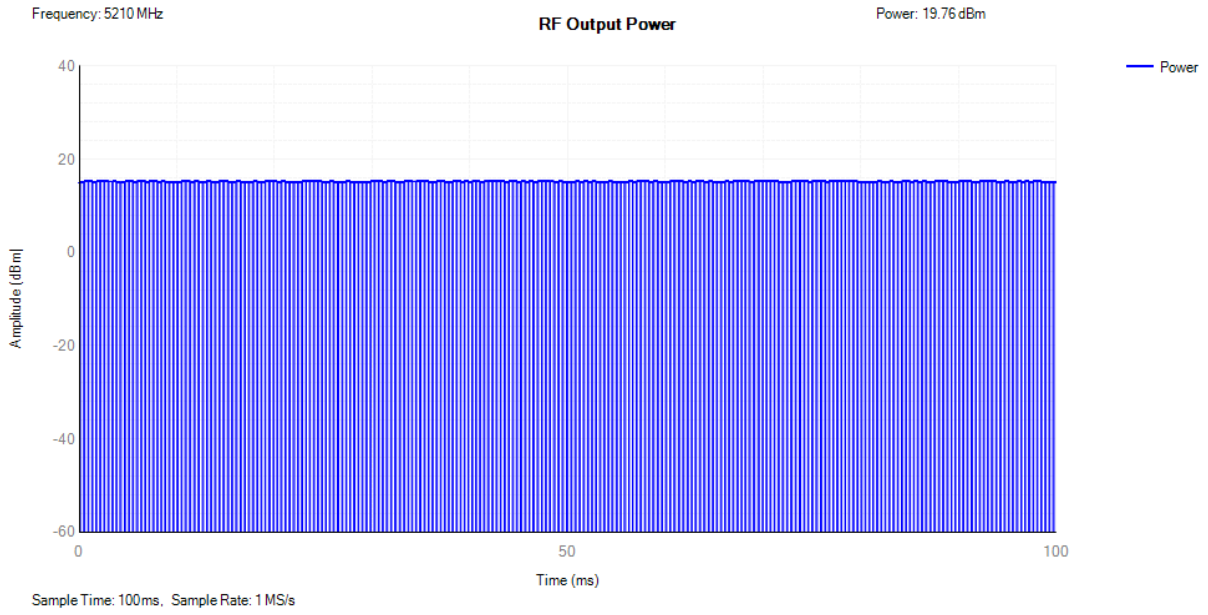
## Power NVHT 802.11ac80 5210MHz



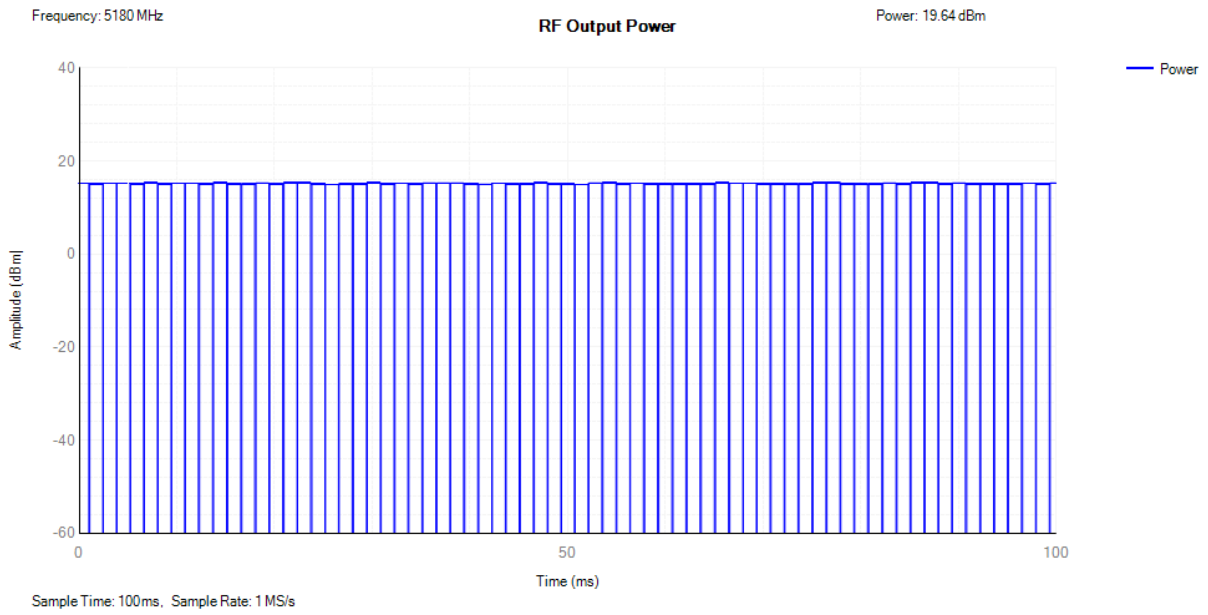
## Power NVLT 802.11ac80 5210MHz



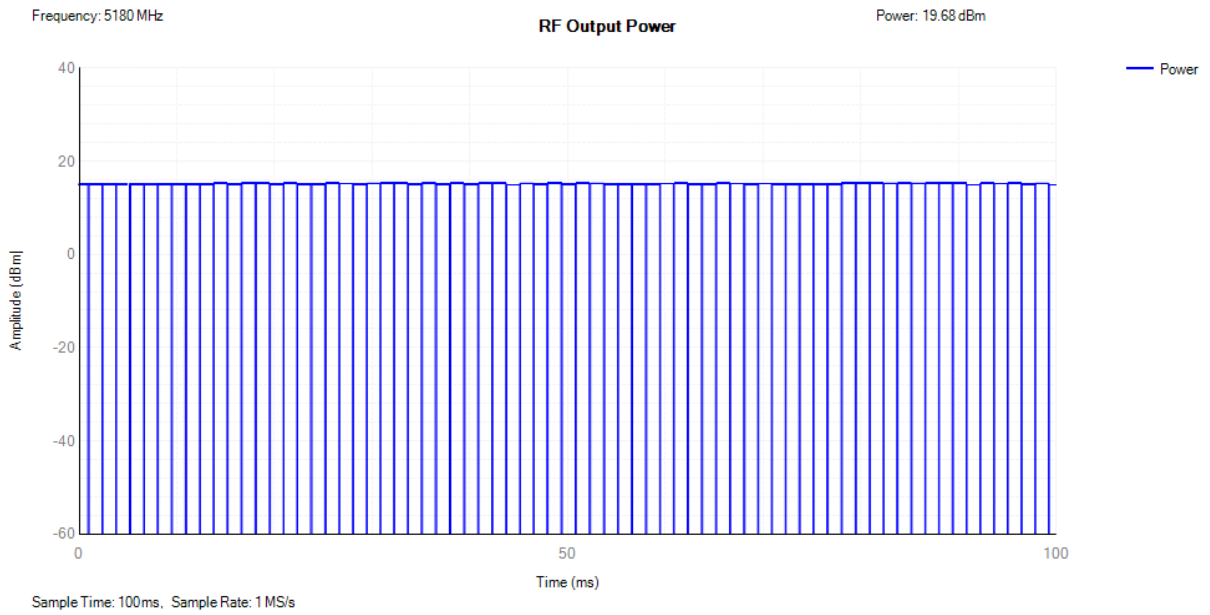
## Power NVNT 802.11ac80 5210MHz



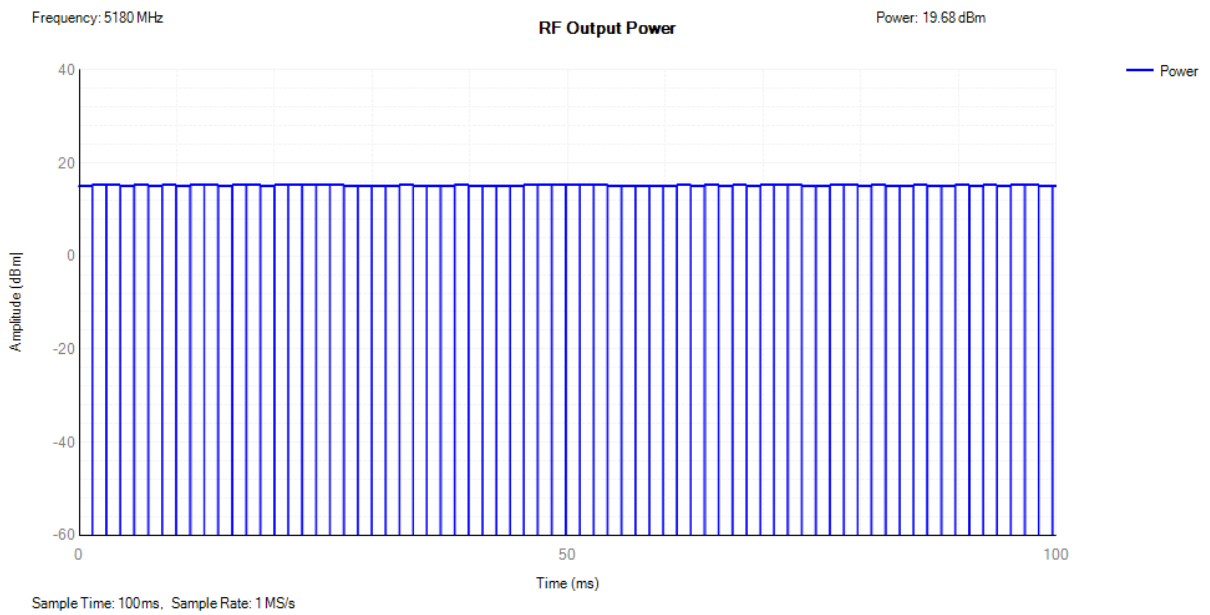
## Power NVHT 802.11n(HT20) 5180MHz



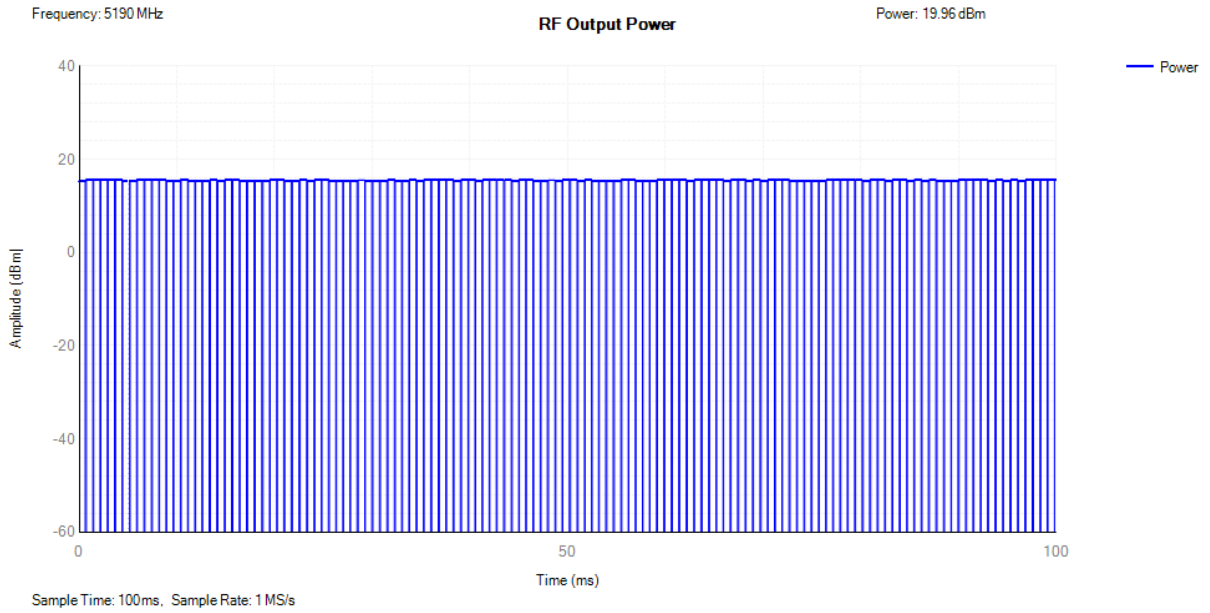
## Power NVLT 802.11n(HT20) 5180MHz



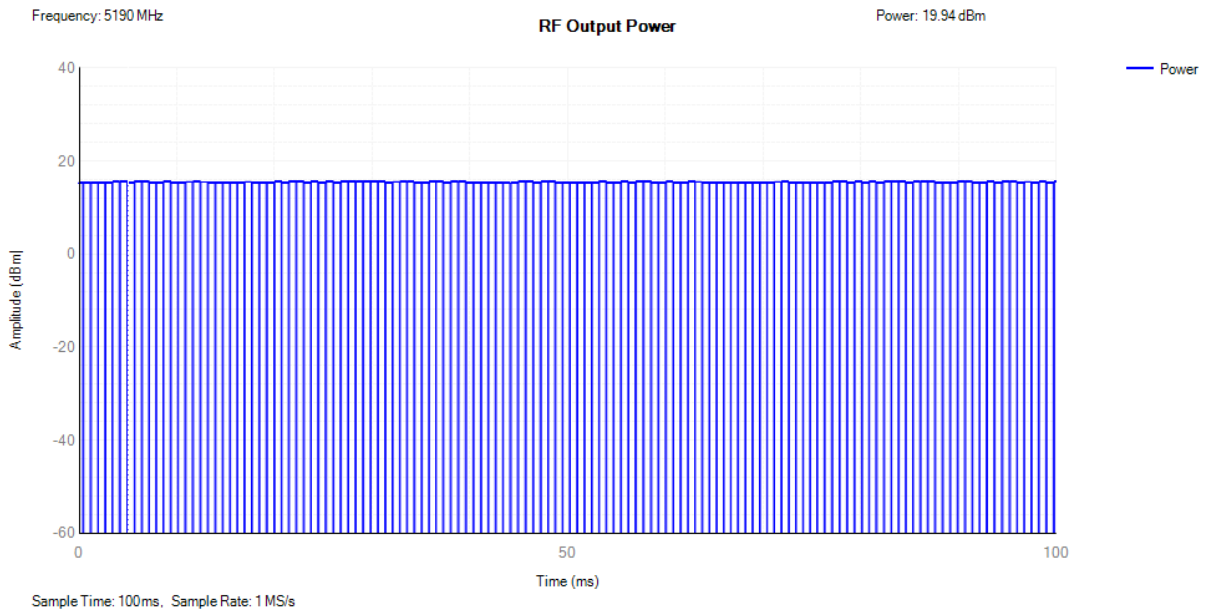
## Power NVNT 802.11n(HT20) 5180MHz



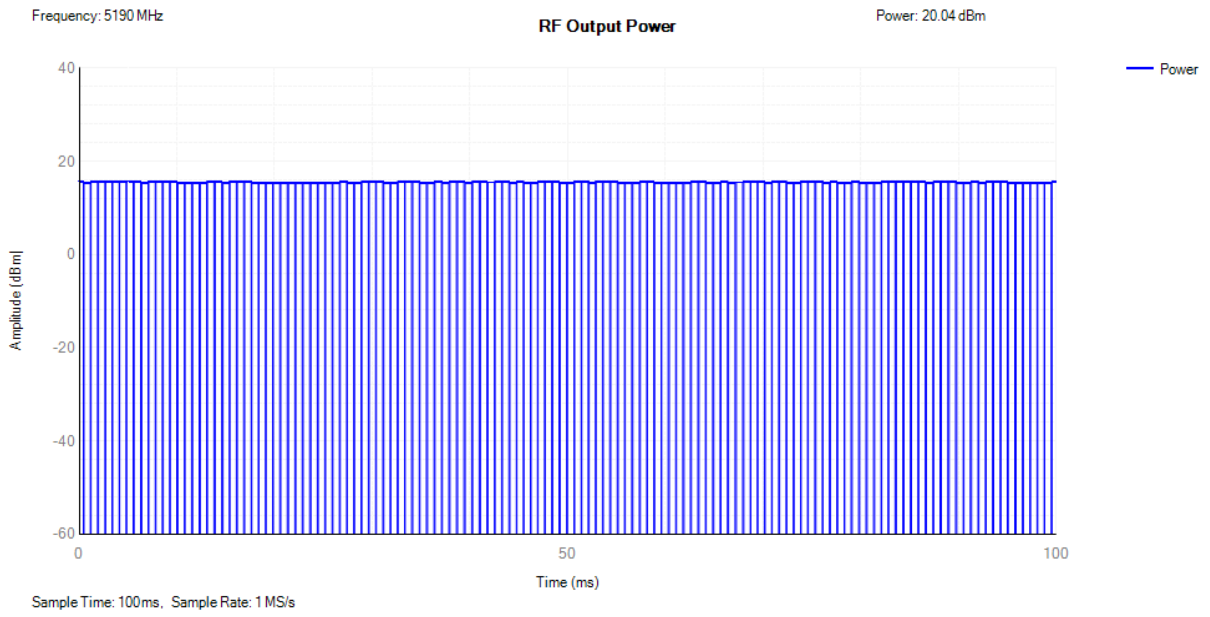
## Power NVHT 802.11n(HT40) 5190MHz



## Power NVLT 802.11n(HT40) 5190MHz



## Power NVNT 802.11n(HT40) 5190MHz



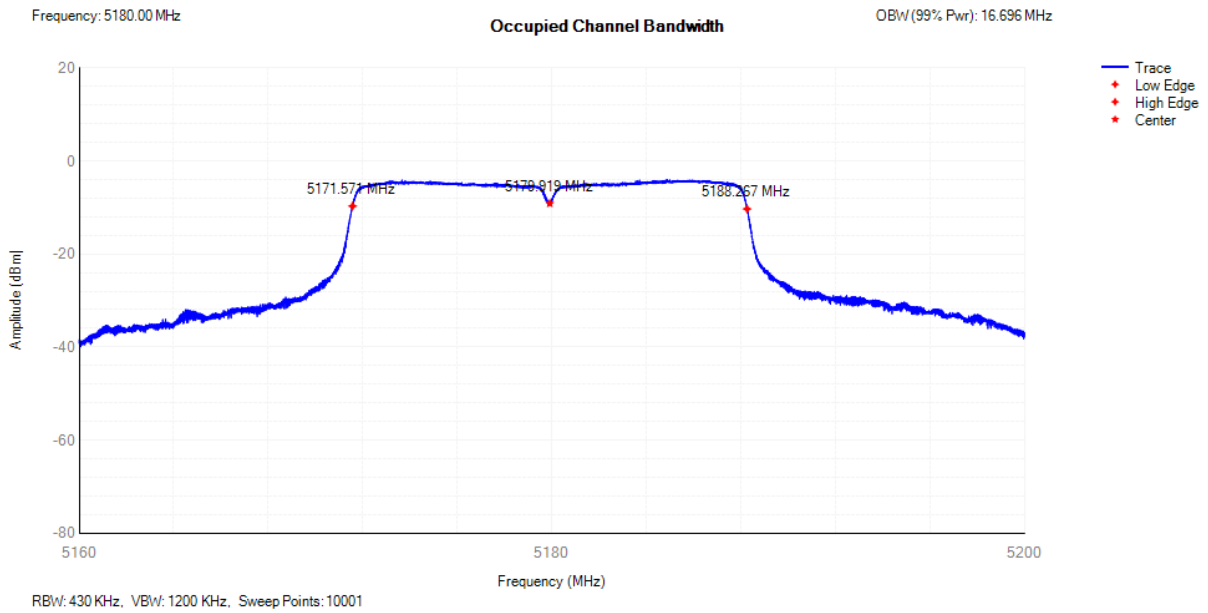


### 5.4.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Limit (MHz)	Upper Limit(MHz)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	5179.919	16.696	16	20	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	5179.914	16.68	16	20	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	5179.94	17.633	16	20	Pass
NVNT	802.11ac40	5190	5189.942	36.318	32	40	Pass
NVNT	802.11ac80	5210	5209.988	75.704	64	80	Pass
NVNT	802.11n(HT20 )	5180	5179.935	17.634	16	20	Pass
NVNT	802.11n(HT40 )	5190	5189.95	36.325	32	40	Pass

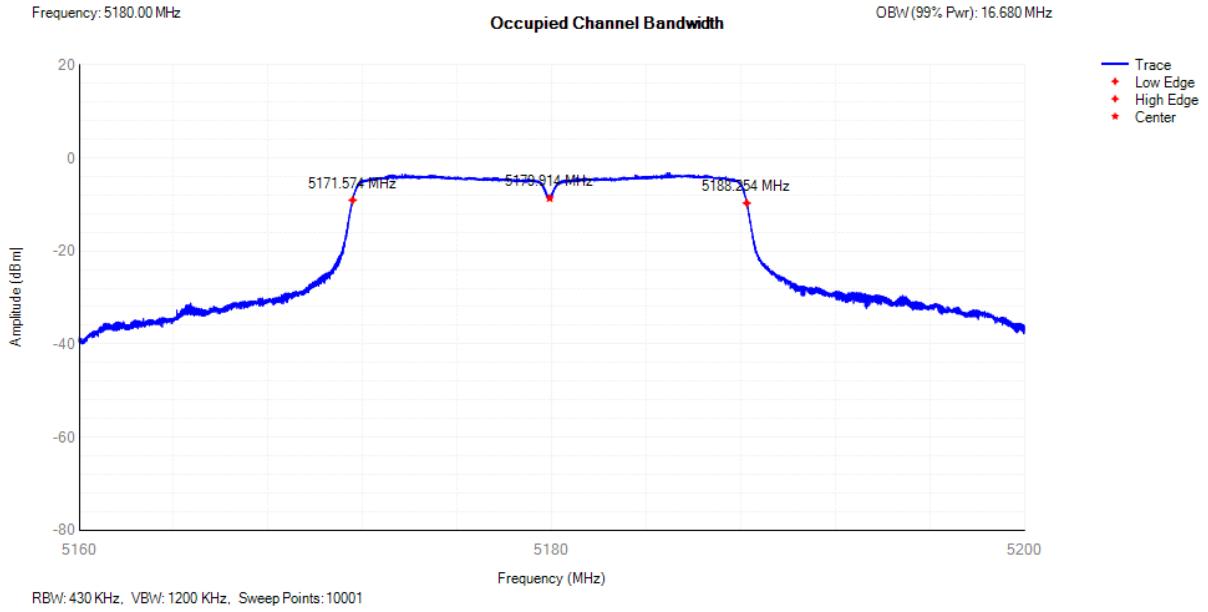
#### 802.11a SISO-TX0

OBW NVNT 802.11a 5180MHz



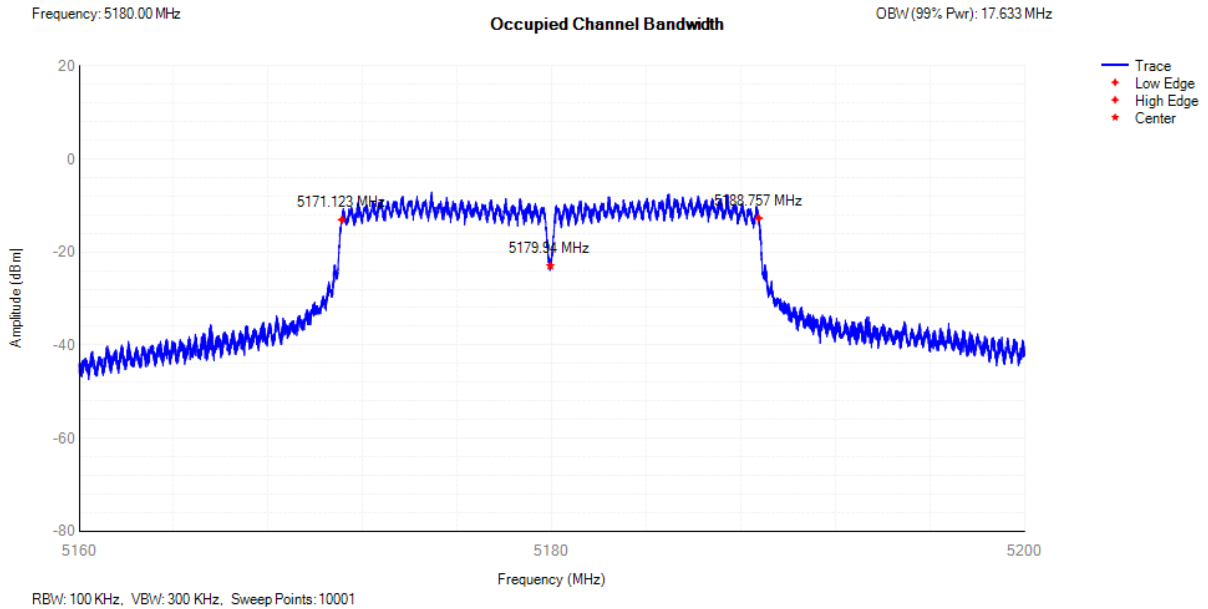
## 802.11a SISO-TX1

### OBW NVNT 802.11a 5180MHz

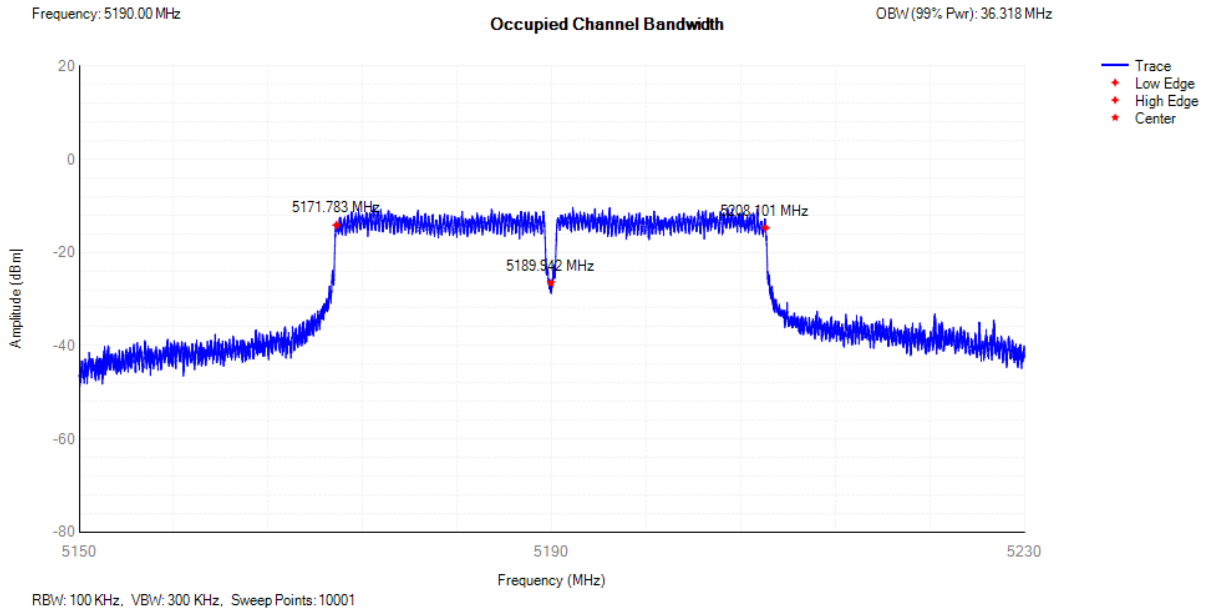


## 802.11n/ac MIMO

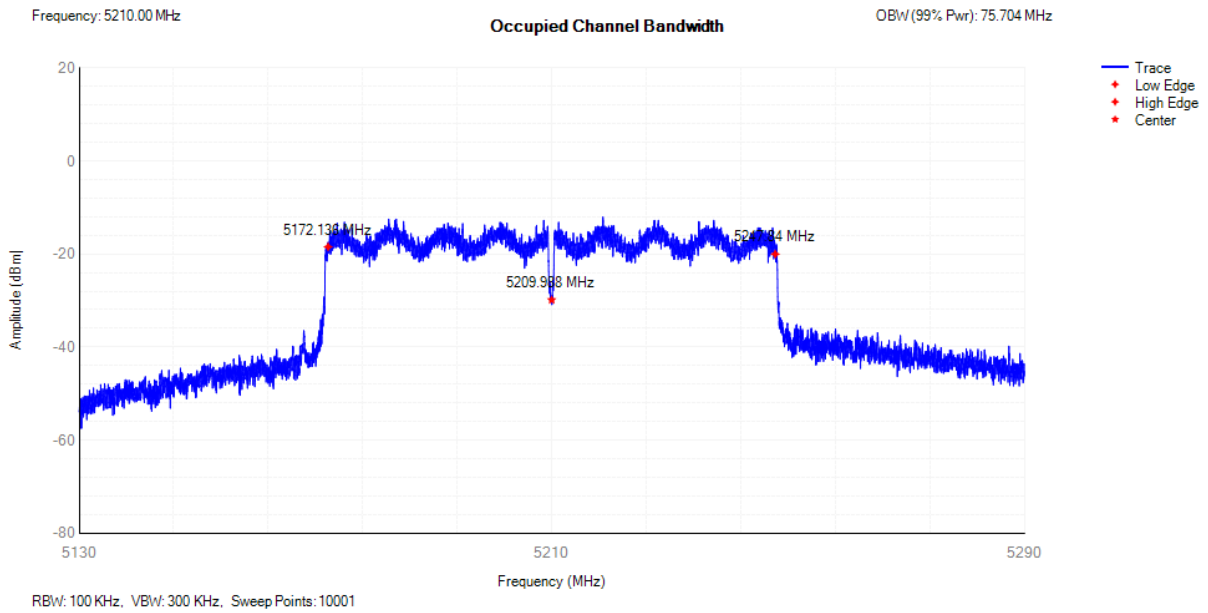
### OBW NVNT 802.11ac20 5180MHz



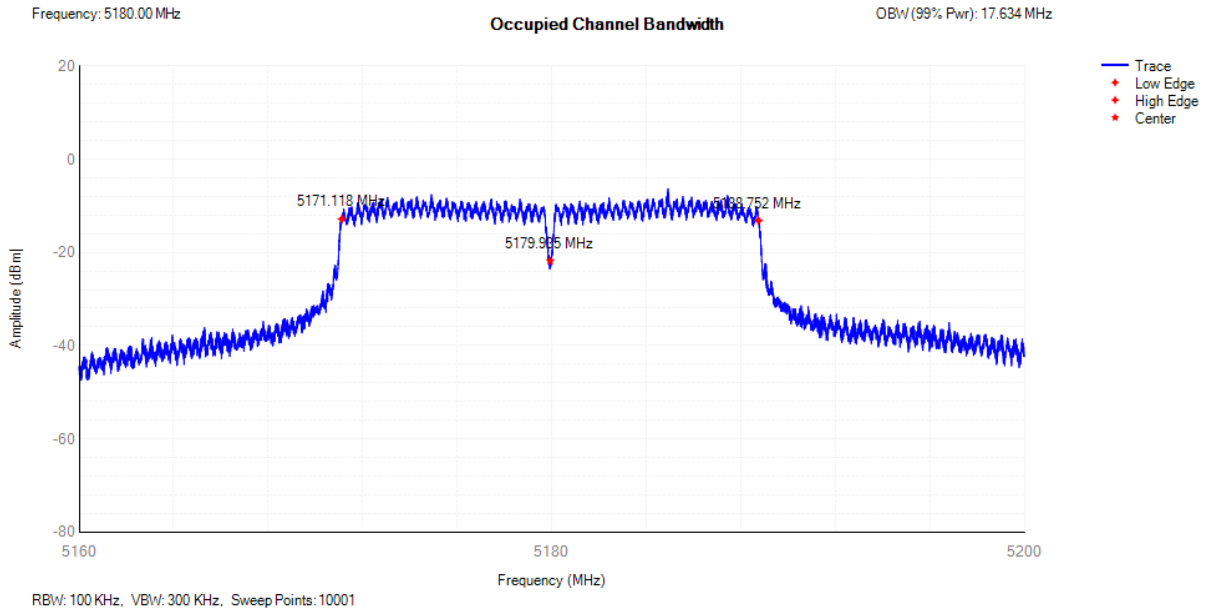
## OBW NVNT 802.11ac40 5190MHz



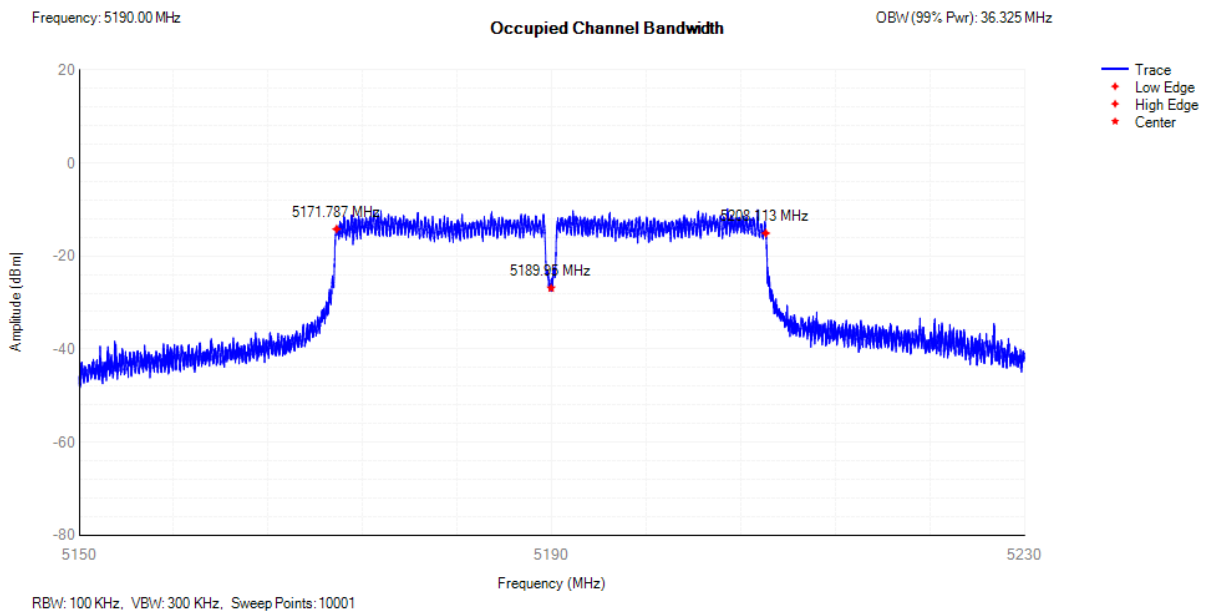
## OBW NVNT 802.11ac80 5210MHz



## OBW NVNT 802.11n(HT20) 5180MHz



## OBW NVNT 802.11n(HT40) 5190MHz

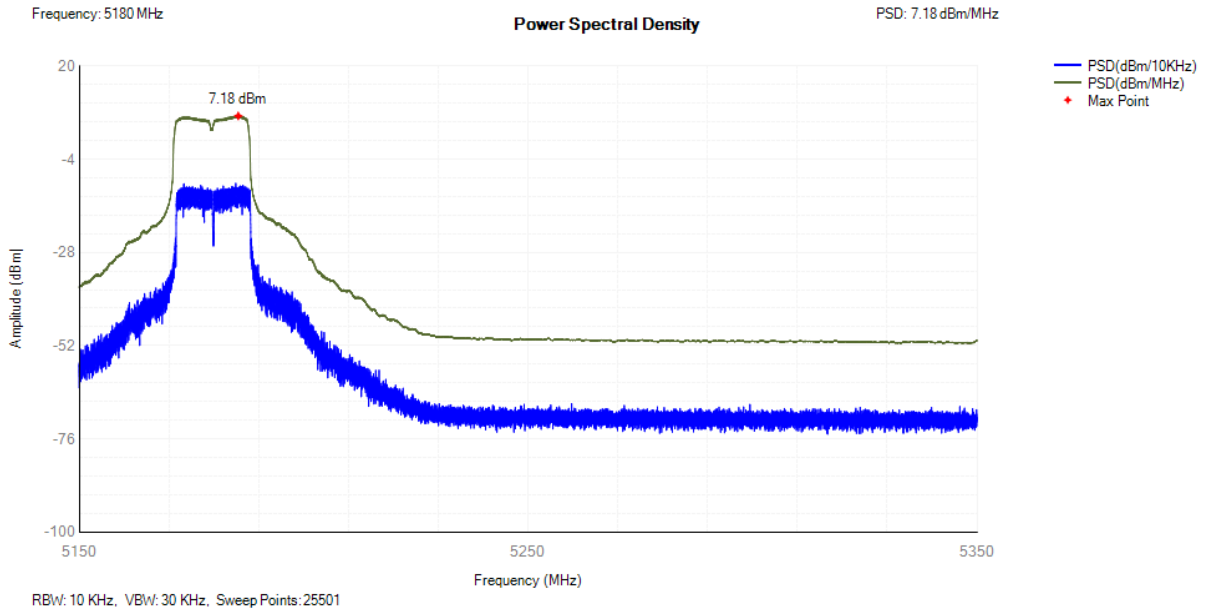


## 5.4.4 Power Spectral Density

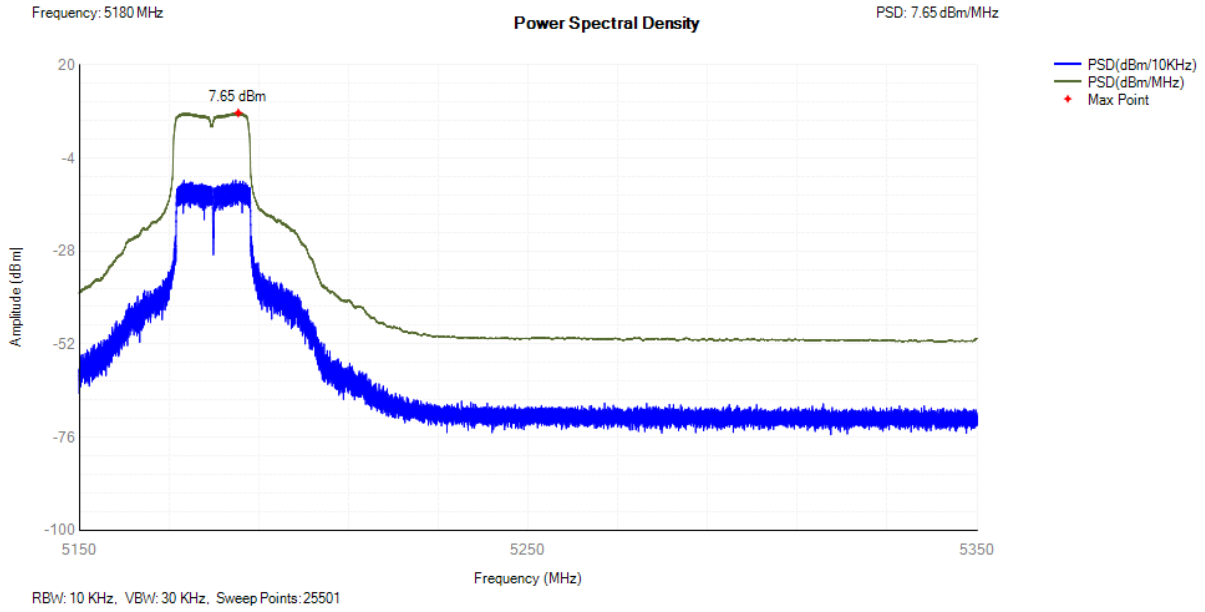
Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
<b>802.11a SISO-TX0</b>					
NVNT	802.11a	5180	7.18	10	Pass
<b>802.11a SISO-TX1</b>					
NVNT	802.11a	5180	7.65	10	Pass
<b>802.11n/ac MIMO</b>					
NVNT	802.11ac20	5180	6.97	10	Pass
NVNT	802.11ac40	5190	4.38	10	Pass
NVNT	802.11ac80	5210	2.27	10	Pass
NVNT	802.11n(HT20)	5180	6.95	10	Pass
NVNT	802.11n(HT40)	5190	4.45	10	Pass

### 802.11a SISO-TX0

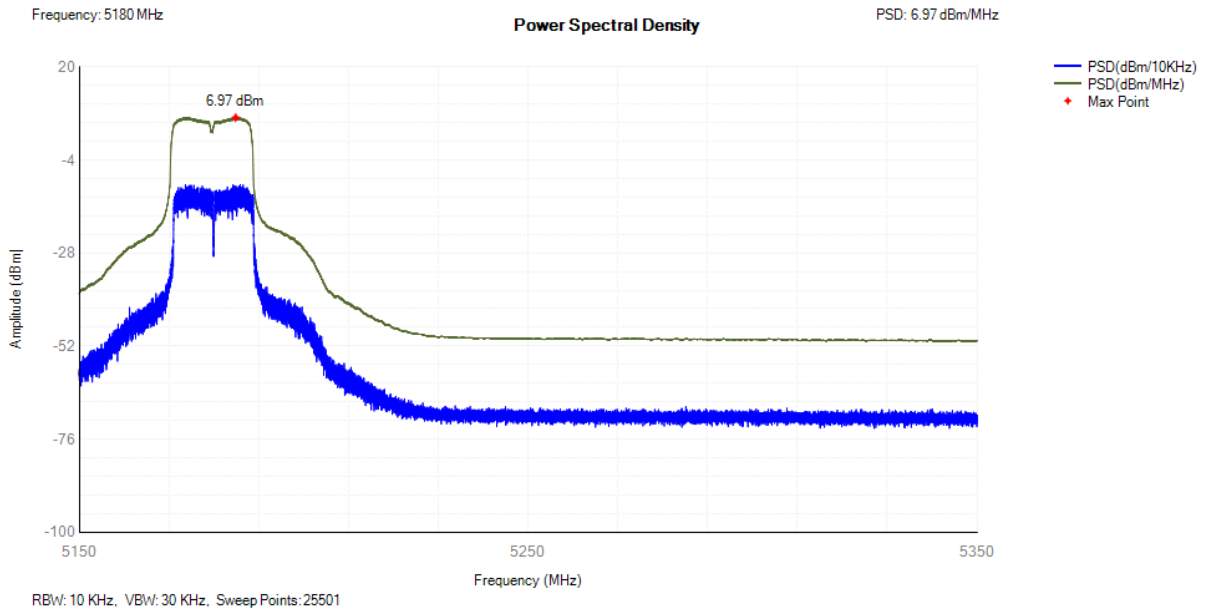
PSD NVNT 802.11a 5180MHz



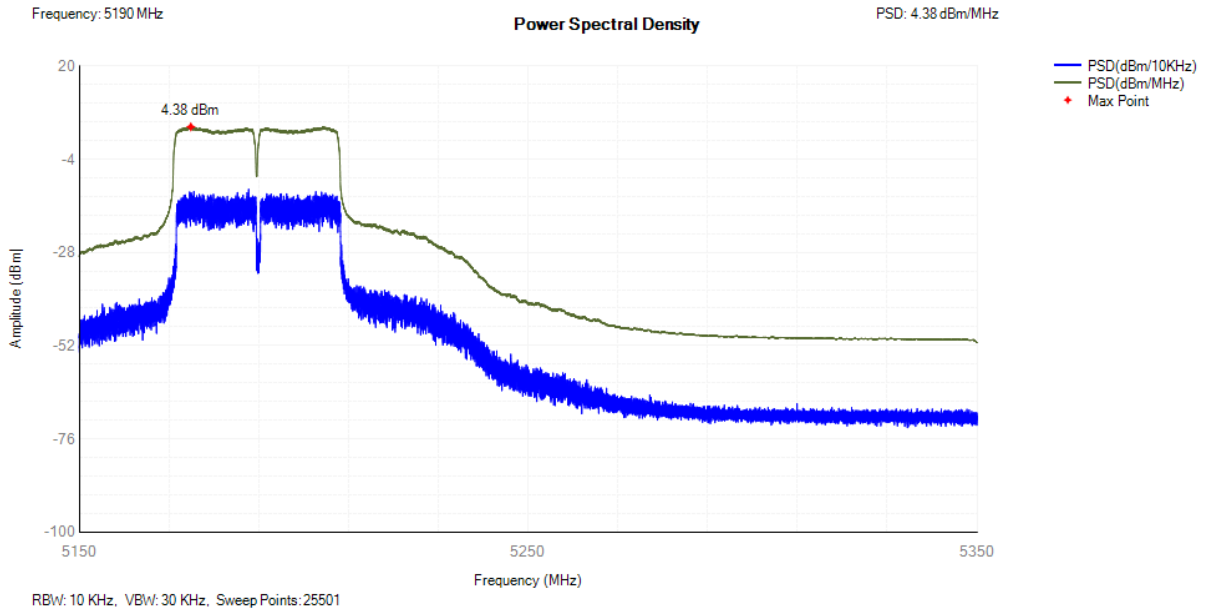
## 802.11a SISO-TX1 PSD NVNT 802.11a 5180MHz



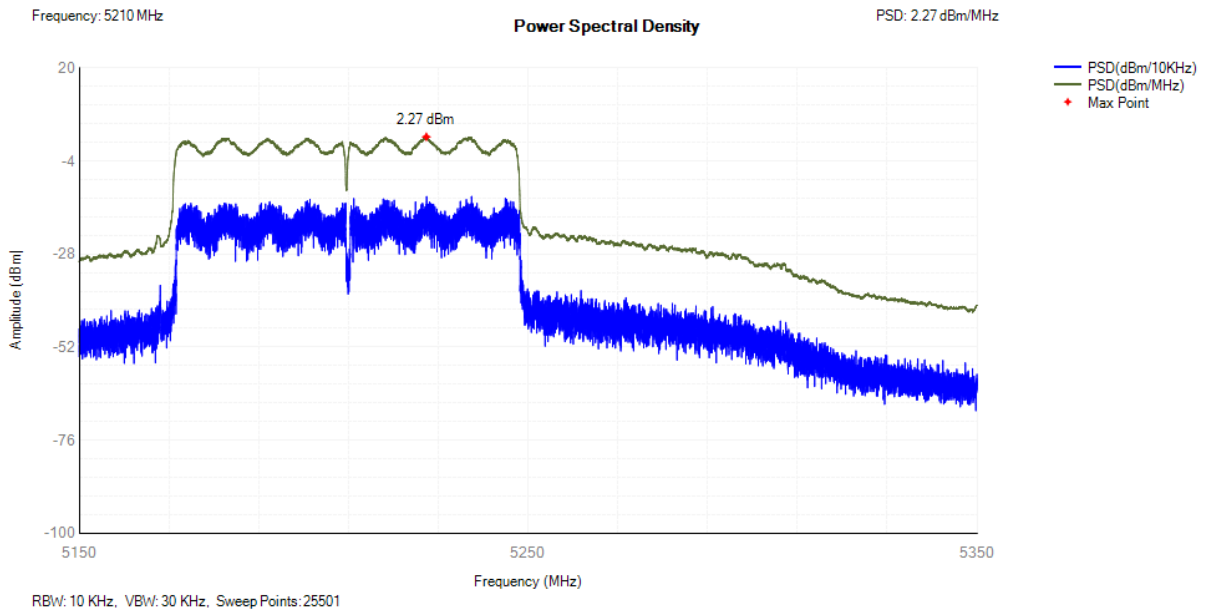
## 802.11n/ac MIMO PSD NVNT 802.11ac20 5180MHz



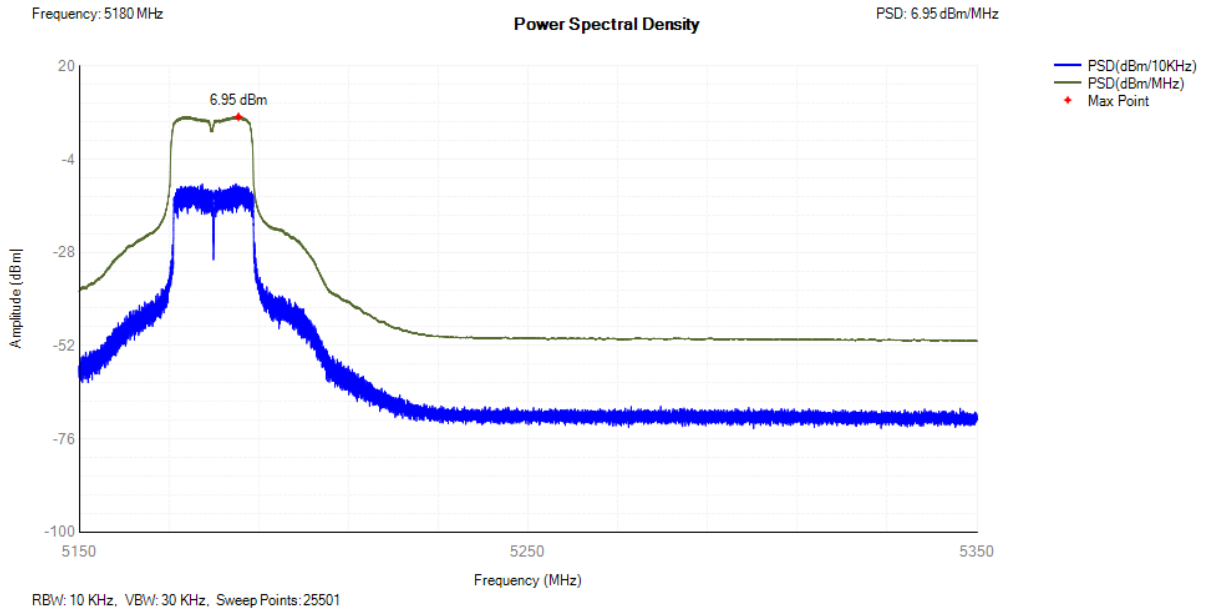
## PSD NVNT 802.11ac40 5190MHz



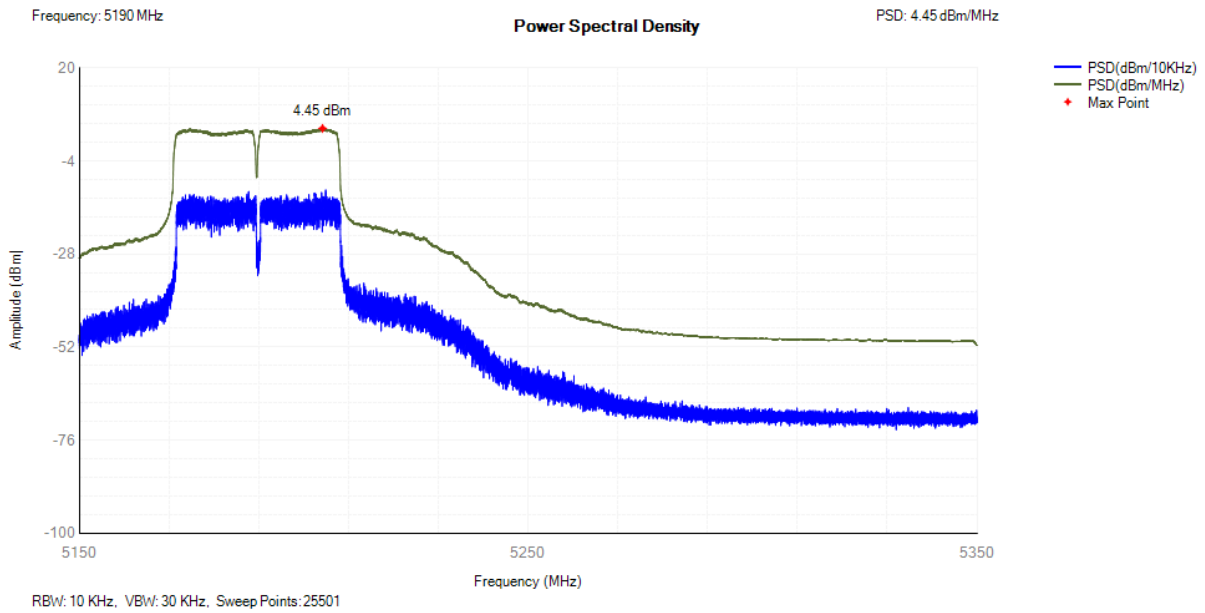
## PSD NVNT 802.11ac80 5210MHz



## PSD NVNT 802.11n(HT20) 5180MHz



## PSD NVNT 802.11n(HT40) 5190MHz



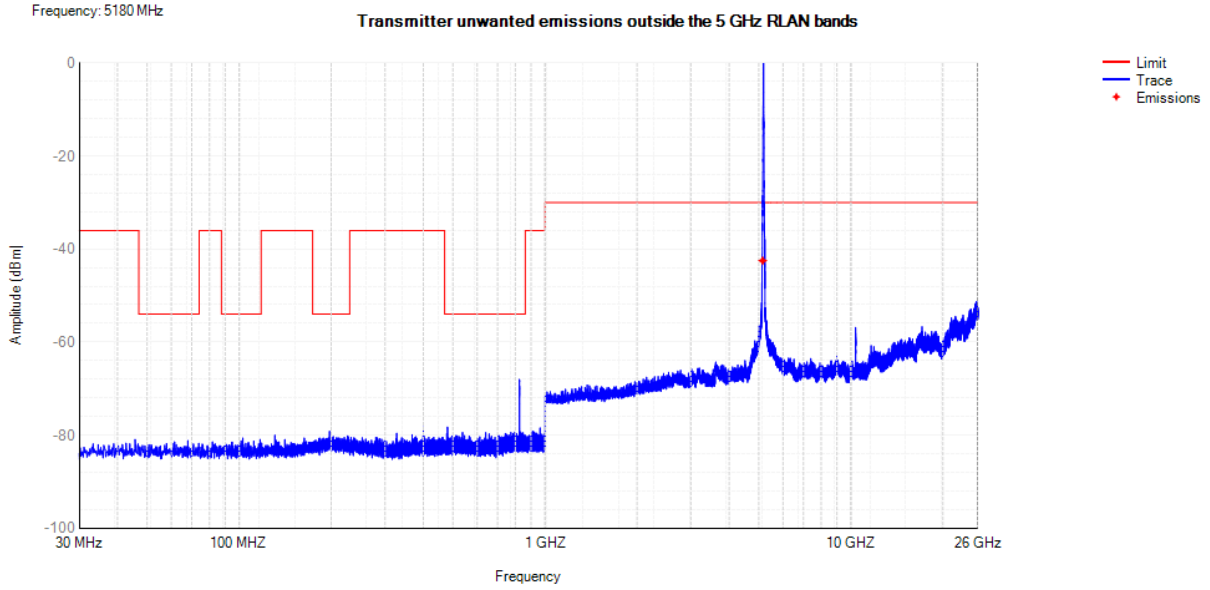


## 5.4.5 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	1000 MHz -5150 MHz	5148	-42.49	-30	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	1000 MHz -5150 MHz	5148	-42.49	-30	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	1000 MHz -5150 MHz	5149	-40.96	-30	Pass
NVNT	802.11ac40	5190	1000 MHz -5150 MHz	5145	-32.61	-30	Pass
NVNT	802.11ac80	5210	1000 MHz -5150 MHz	5145	-31.65	-30	Pass
NVNT	802.11ac80	5210	5350 MHz -5470 MHz	5353	-45.47	-30	Pass
NVNT	802.11n(HT20)	5180	1000 MHz -5150 MHz	5148	-40.67	-30	Pass
NVNT	802.11n(HT40)	5190	1000 MHz -5150 MHz	5145	-32.78	-30	Pass

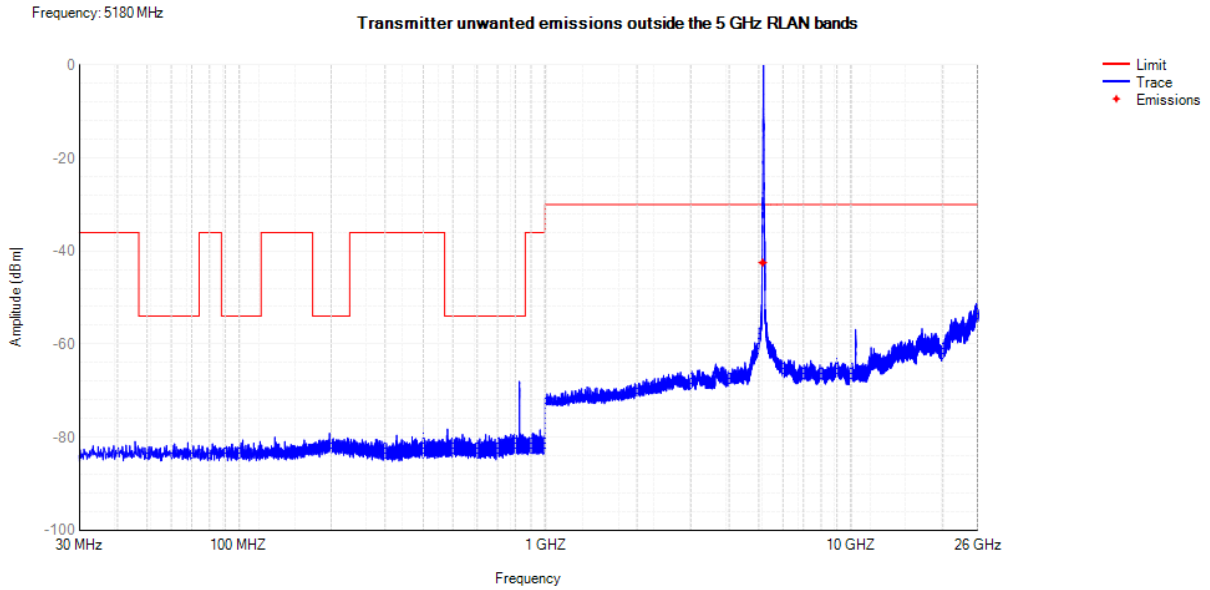
## 802.11a SISO-TX0

Tx. Spurious NVNT 802.11a 5180MHz



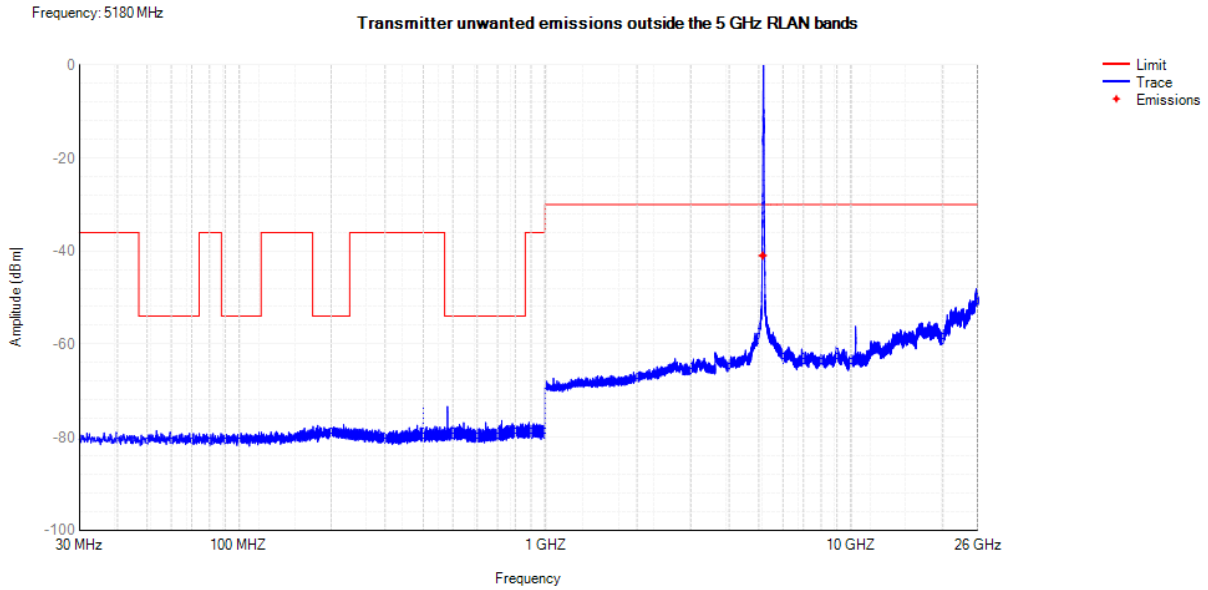
## 802.11a SISO-TX1

Tx. Spurious NVNT 802.11a 5180MHz

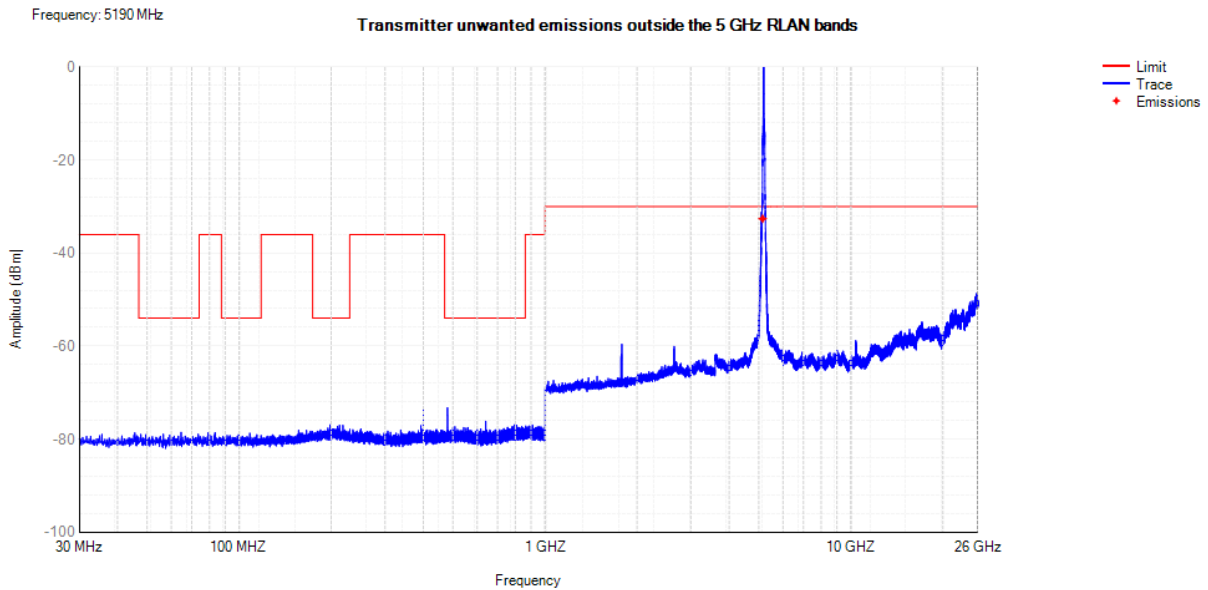


## 802.11n/ac MIMO

Tx. Spurious NVNT 802.11ac20 5180MHz



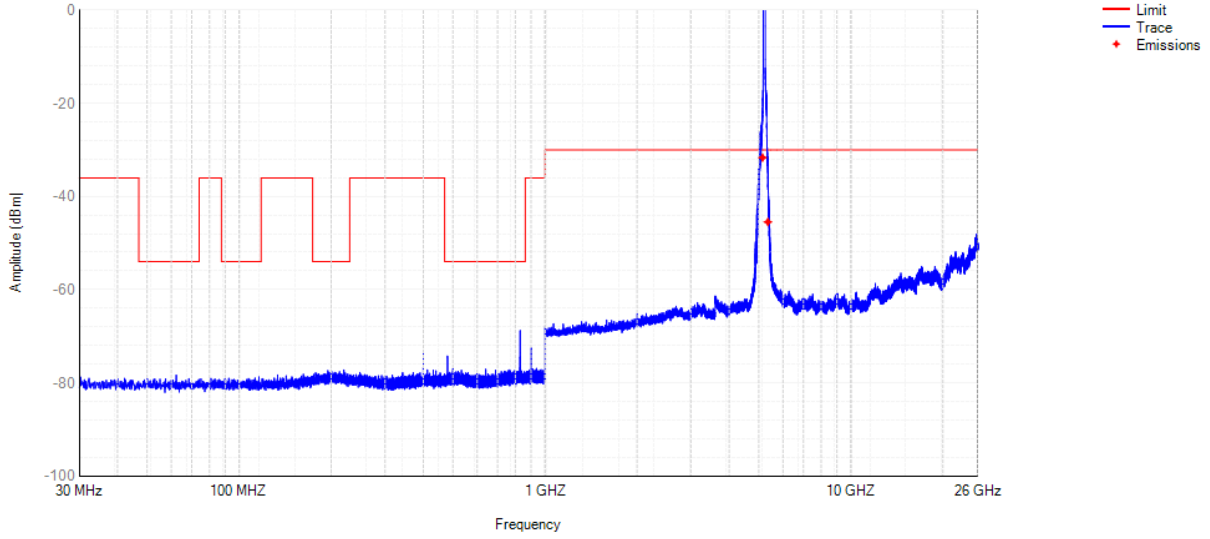
Tx. Spurious NVNT 802.11ac40 5190MHz



### Tx. Spurious NVNT 802.11ac80 5210MHz

Frequency: 5210 MHz

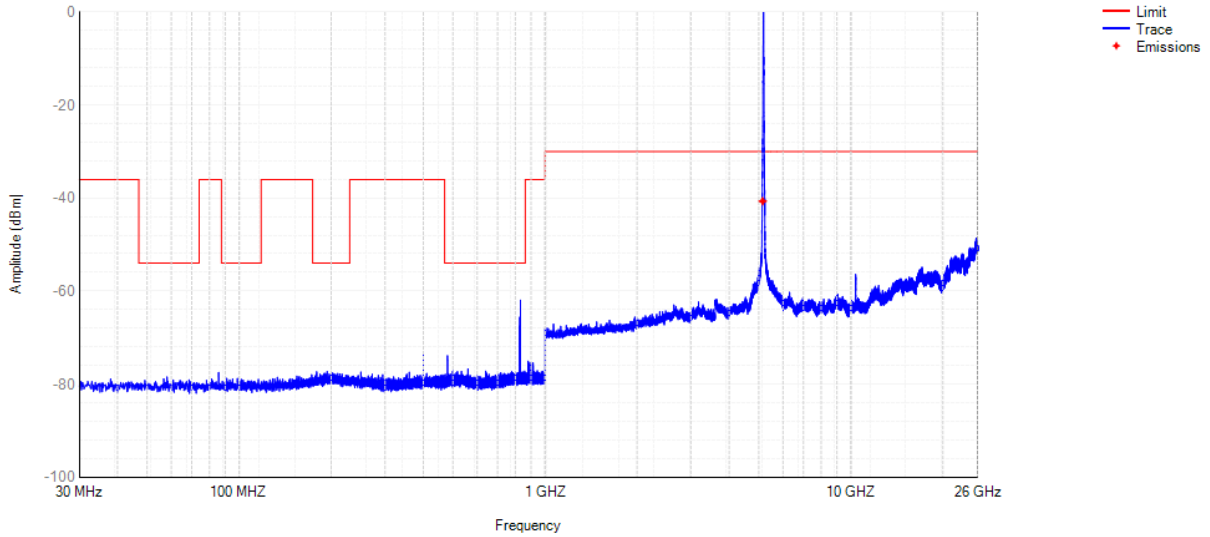
#### Transmitter unwanted emissions outside the 5 GHz WLAN bands



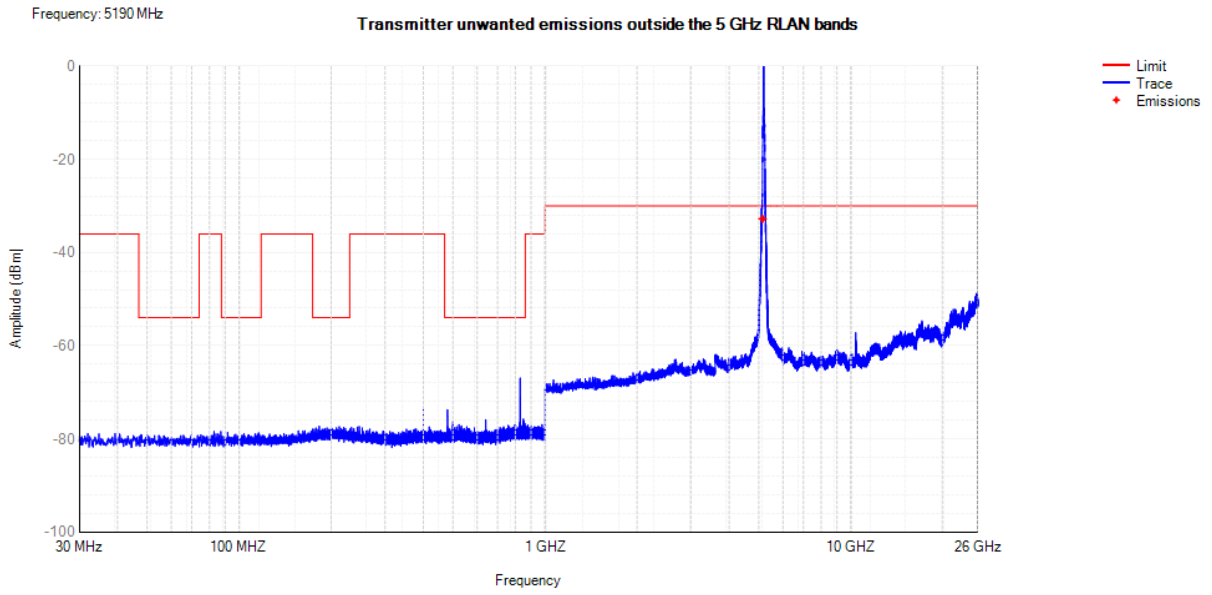
### Tx. Spurious NVNT 802.11n(HT20) 5180MHz

Frequency: 5180 MHz

#### Transmitter unwanted emissions outside the 5 GHz WLAN bands



## Tx. Spurious NVNT 802.11n(HT40) 5190MHz

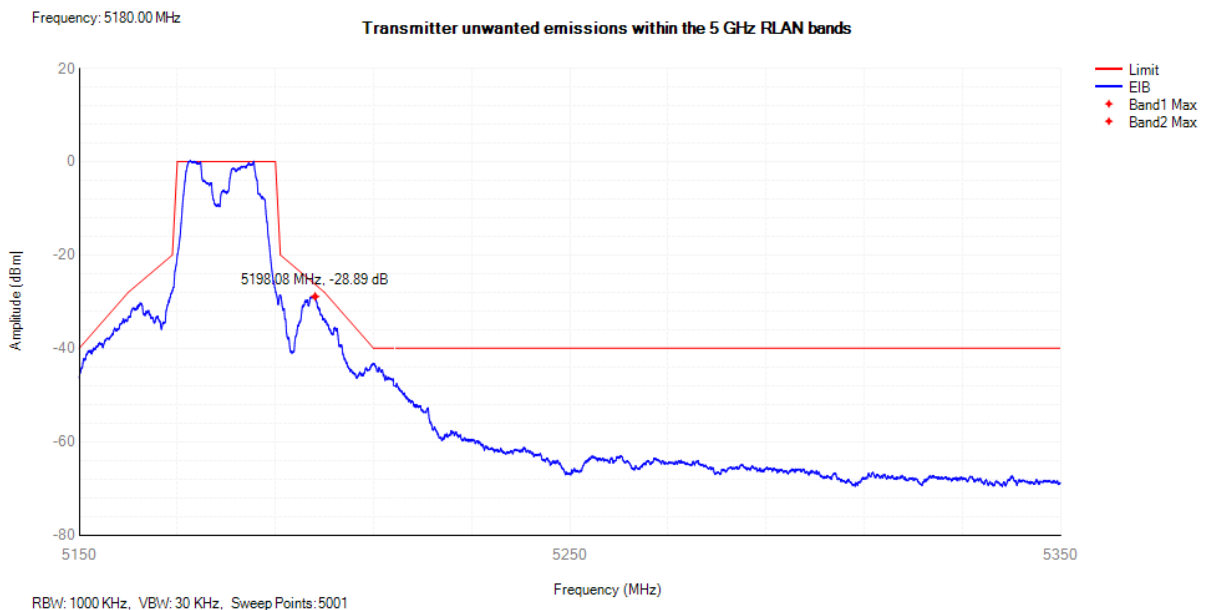


## 5.4.6 Transmitter unwanted emissions within the 5 GHz RLAN bands

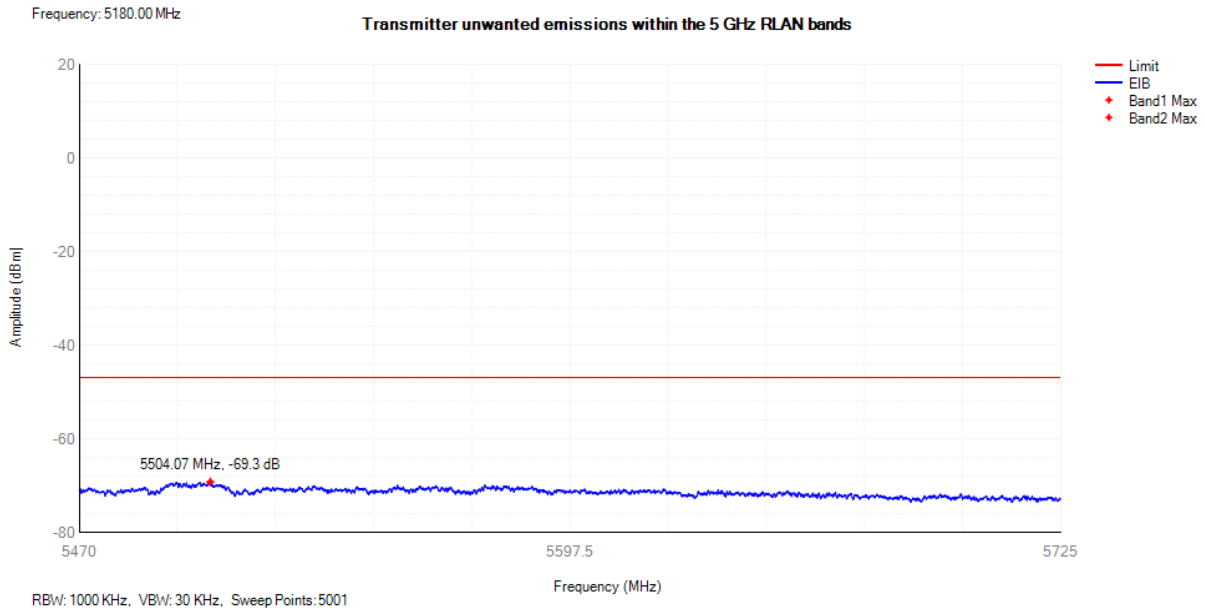
Condition	Mode	Frequency (MHz)	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	Band1	5198.08	-28.89	-26.29	Pass
NVNT	802.11a	5180	Band2	5504.07	-69.3	-47	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	Band1	5196.08	-26.62	-24.51	Pass
NVNT	802.11a	5180	Band2	5504.83	-69.5	-47	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	Band1	5198.32	-28.91	-26.5	Pass
NVNT	802.11ac20	5180	Band2	5480.15	-69.89	-47	Pass
NVNT	802.11ac40	5190	Band1	5215.04	-21.66	-21.35	Pass
NVNT	802.11ac40	5190	Band2	5629.94	-68.78	-47	Pass
NVNT	802.11ac80	5210	Band1	5293.88	-32.09	-29.16	Pass
NVNT	802.11ac80	5210	Band2	5473.52	-65.5	-40	Pass
NVNT	802.11n(HT20)	5180	Band1	5196.92	-26.6	-25.26	Pass
NVNT	802.11n(HT20)	5180	Band2	5506.77	-69.6	-47	Pass
NVNT	802.11n(HT40)	5190	Band1	5233.4	-31.09	-30.03	Pass
NVNT	802.11n(HT40)	5190	Band2	5629.07	-69.73	-47	Pass

### 802.11a SISO-TX0

Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

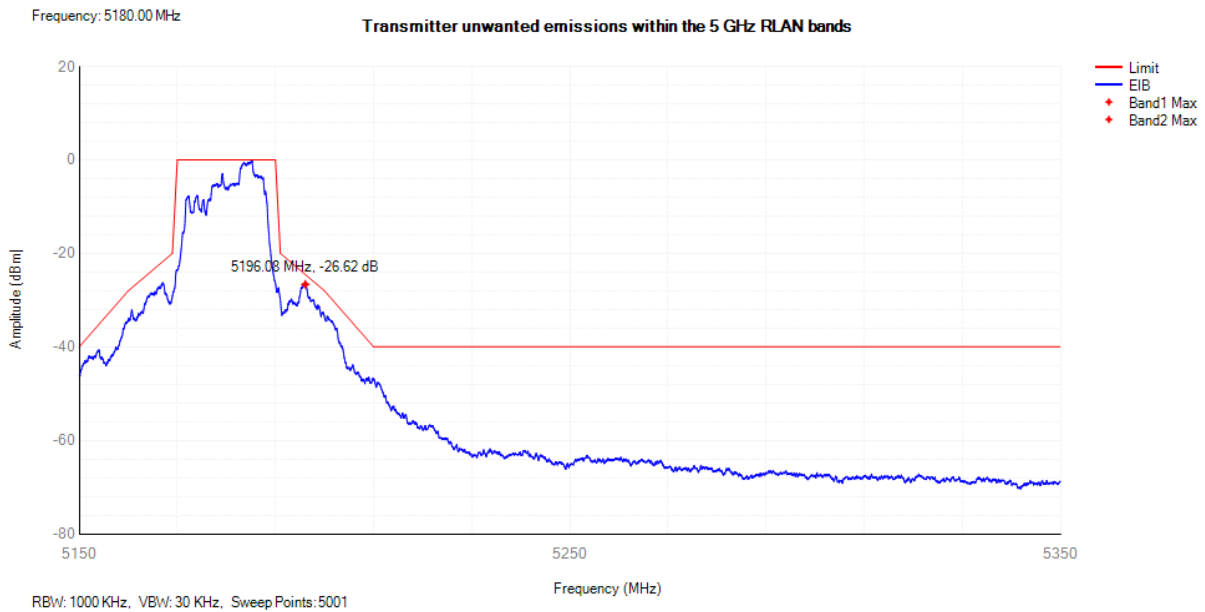


## Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2

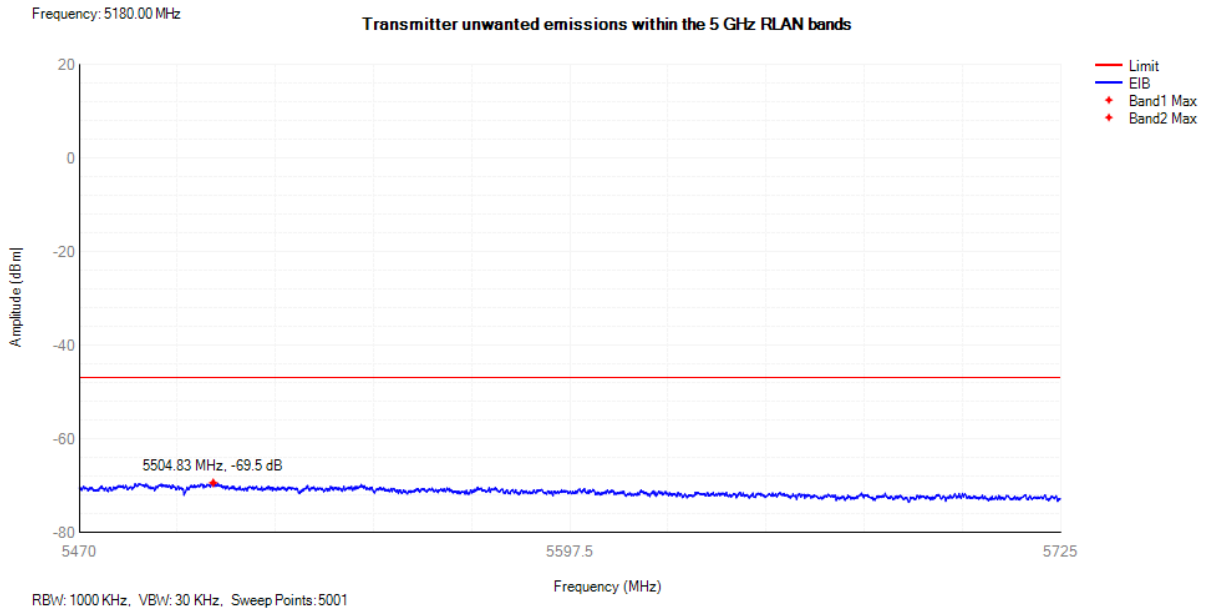


## 802.11a SISO-TX0

## Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

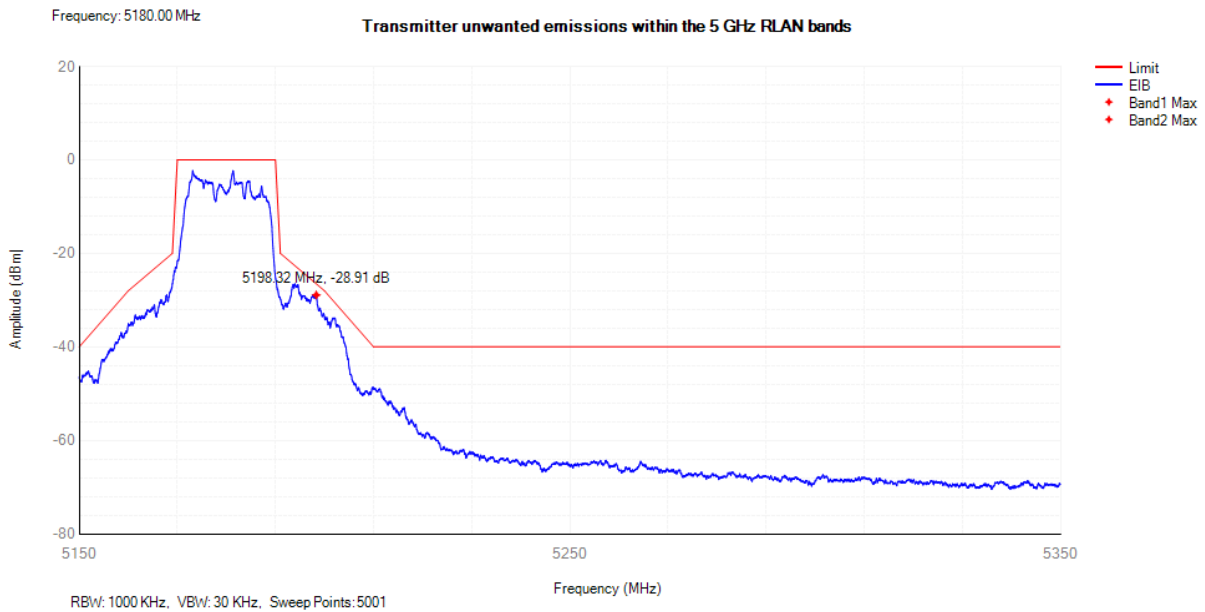


## Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2



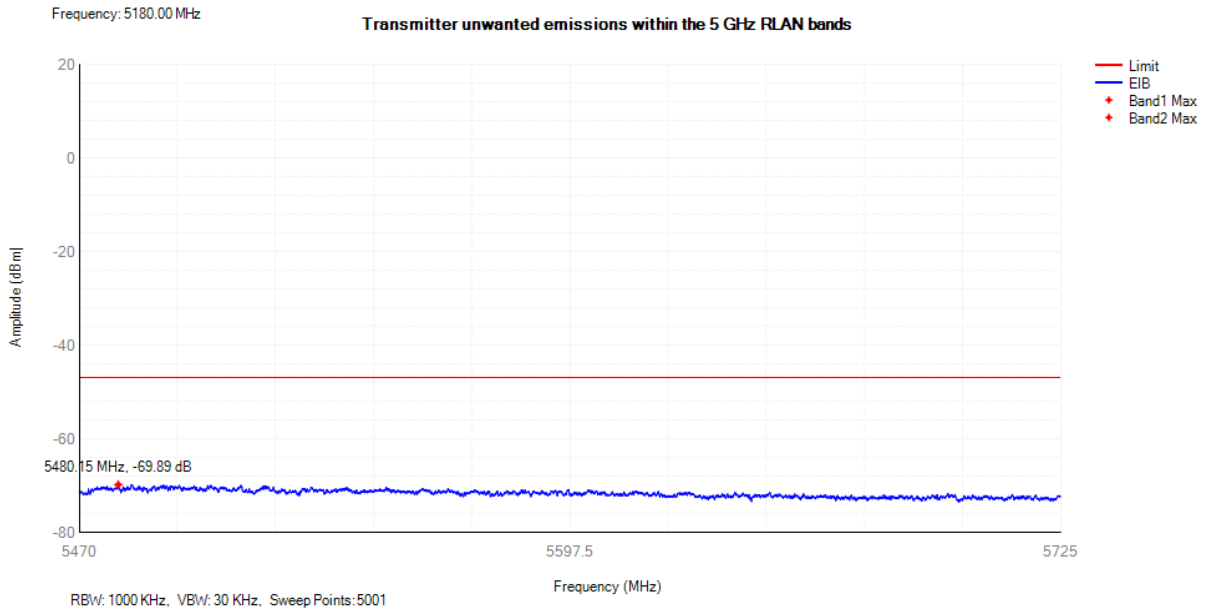
## 802.11n/ac MIMO

## Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band1

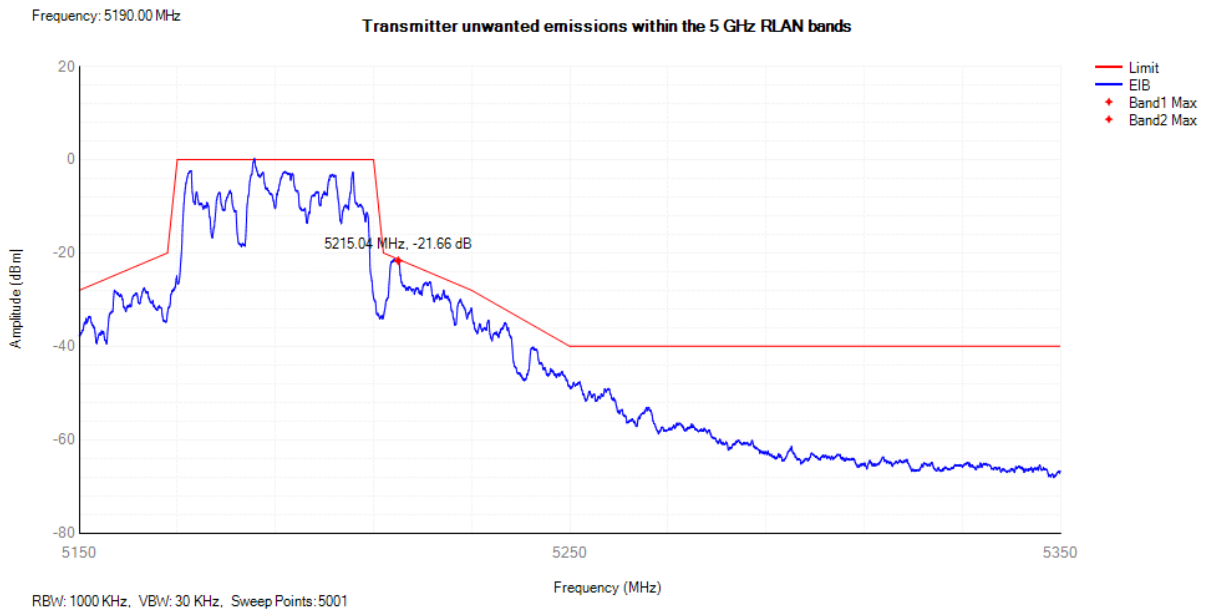




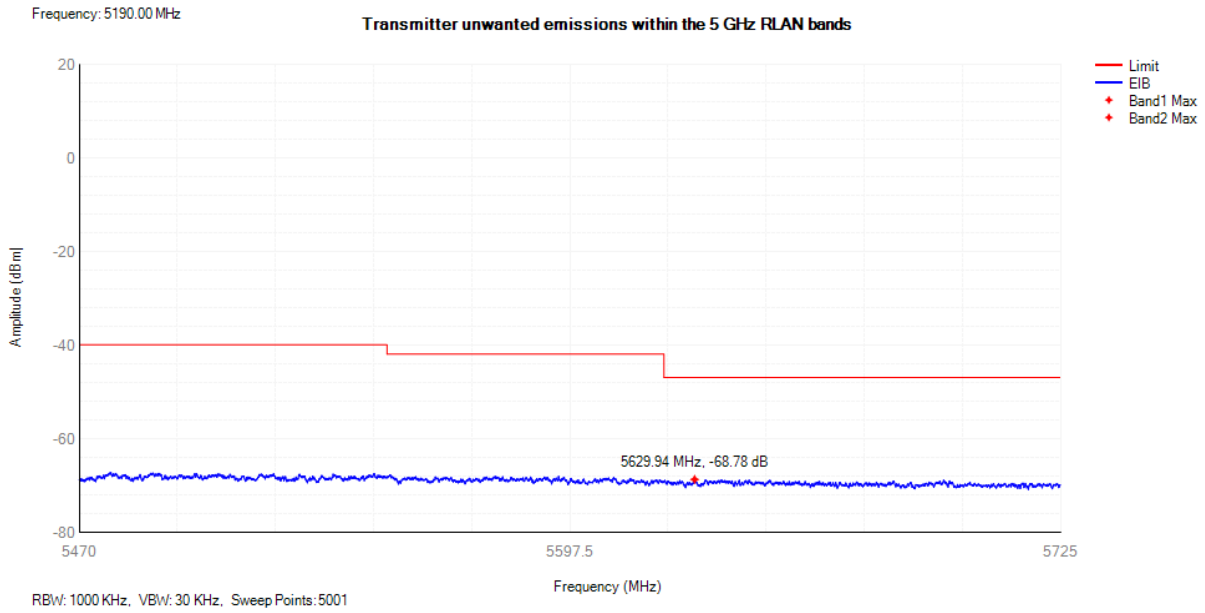
## Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band2



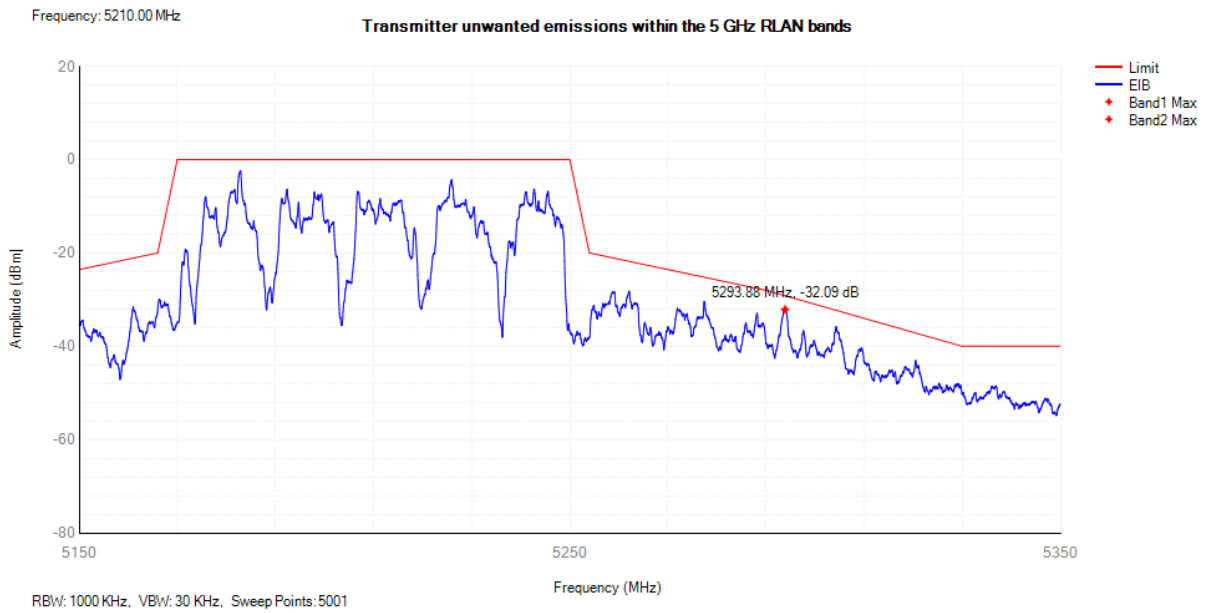
## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band1



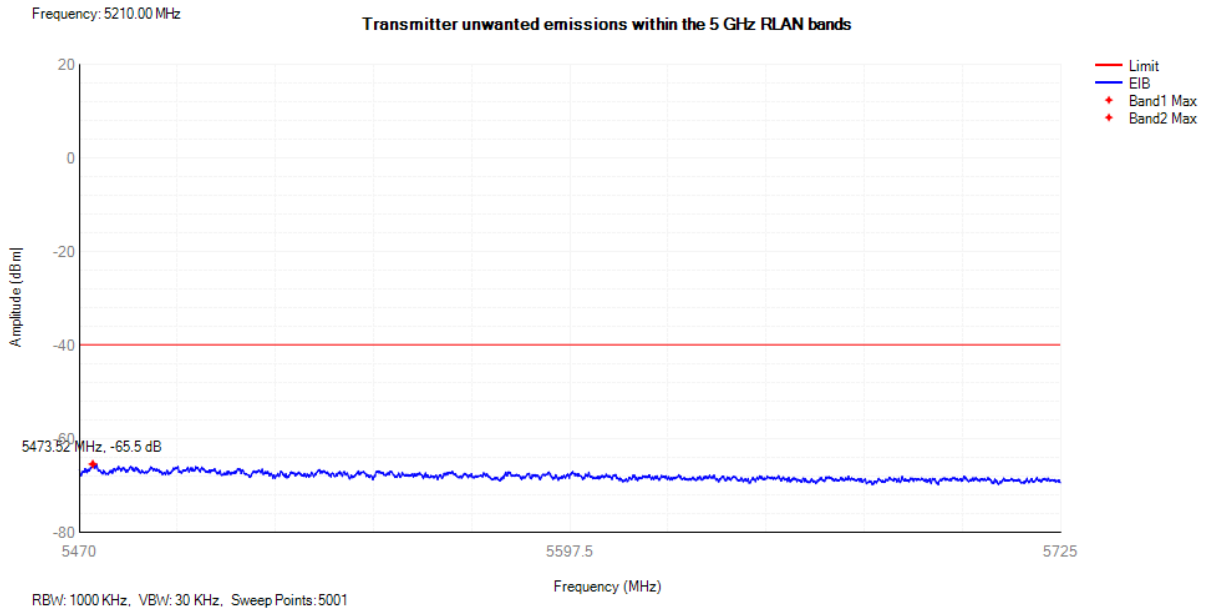
## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band2



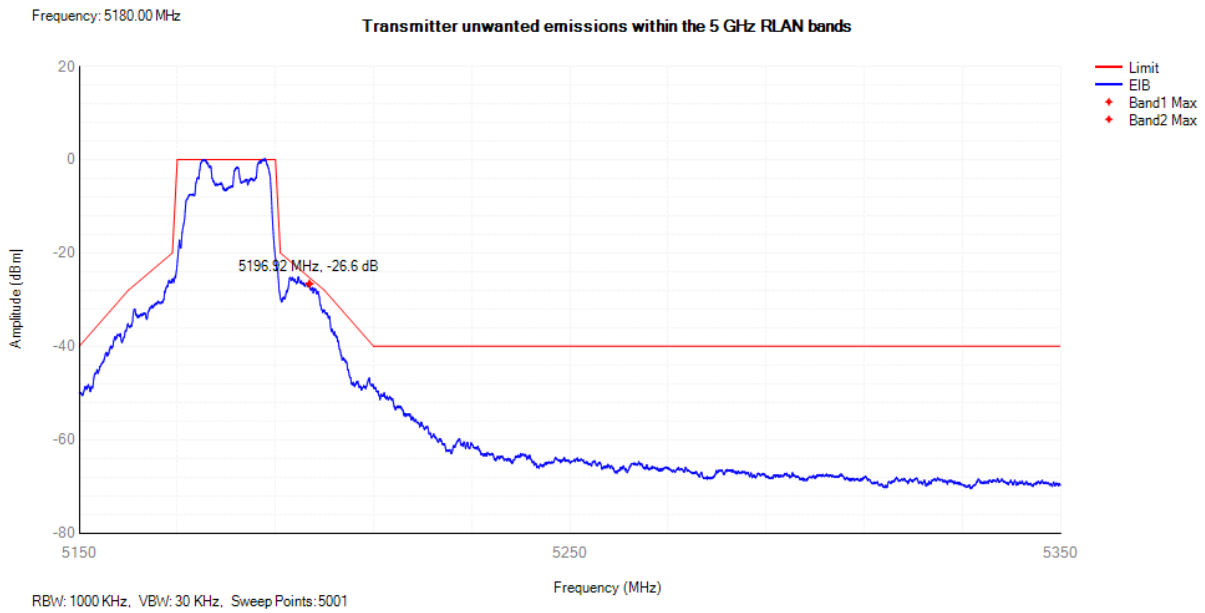
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band1



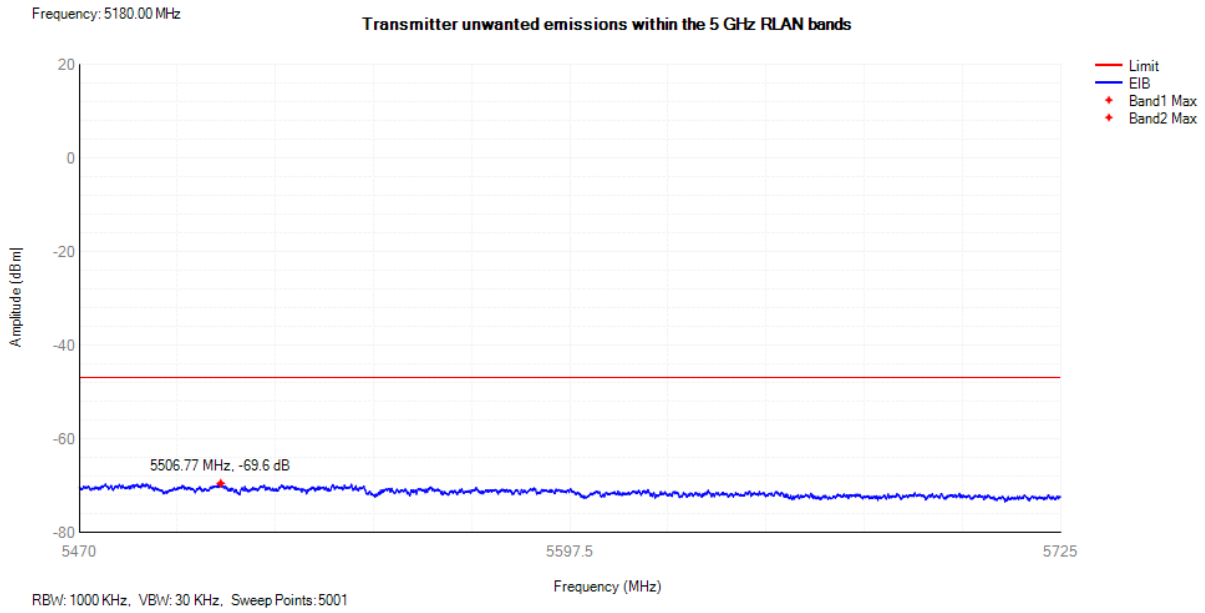
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band2



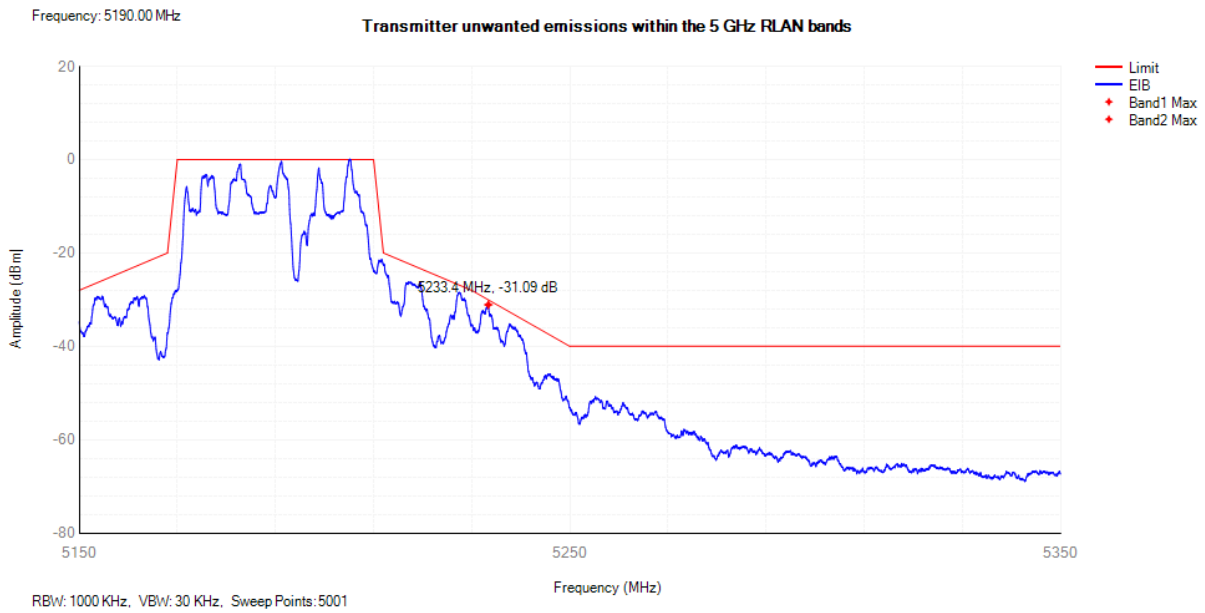
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band1



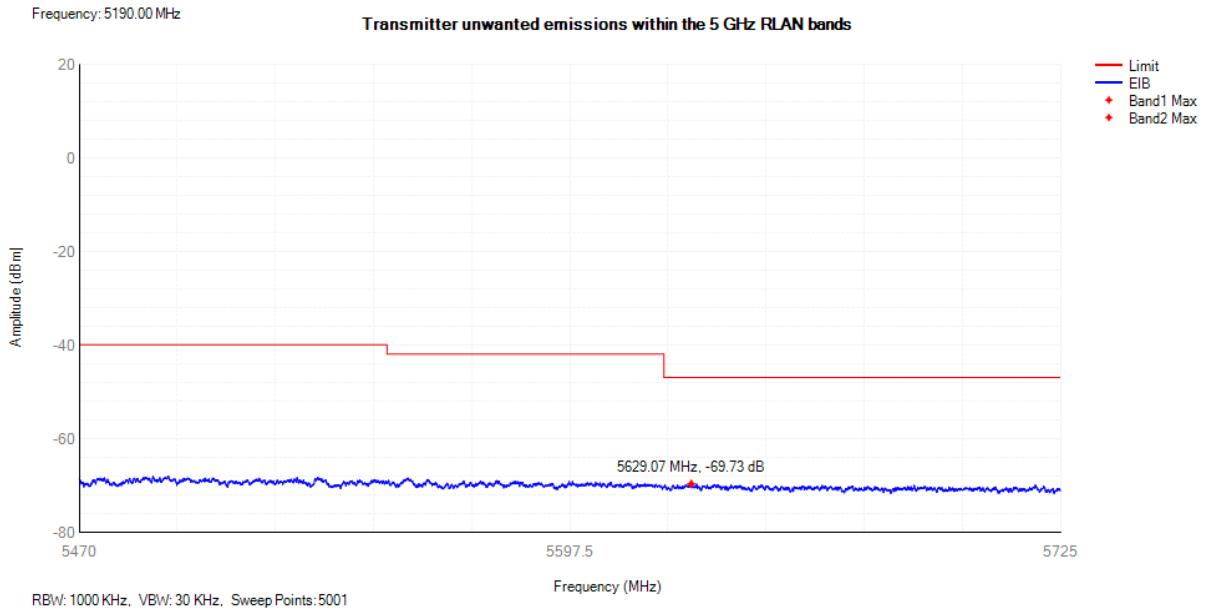
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band2



## Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band1



## Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band2

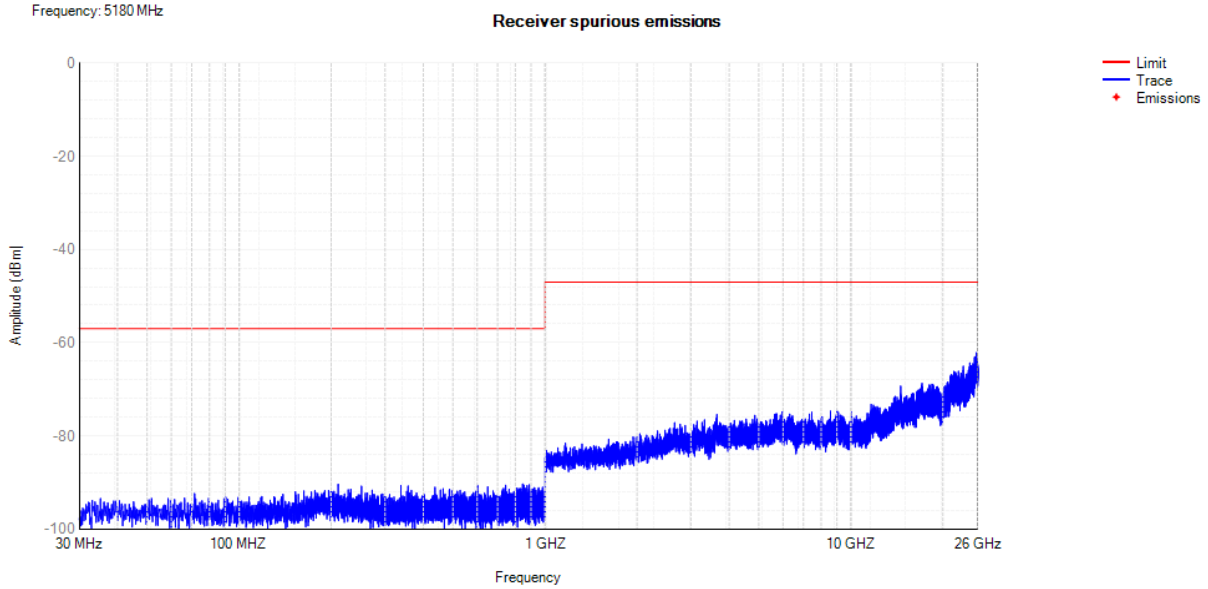


## 5.4.7 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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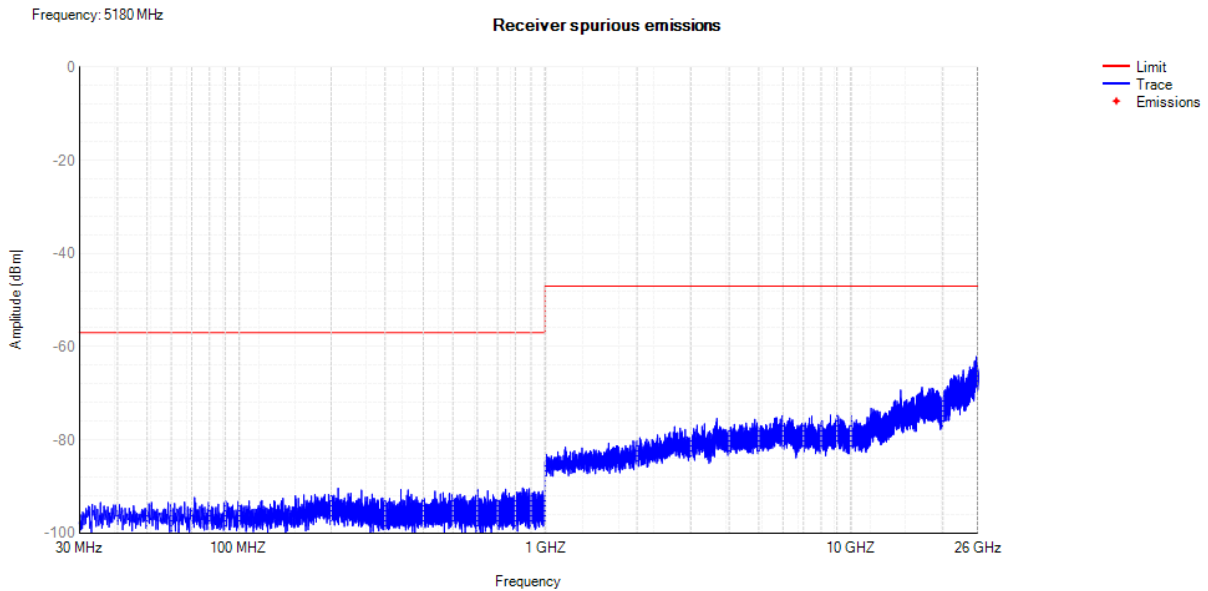
### 802.11a SISO-TX0

Rx. Spurious NVLT 802.11a 5180MHz



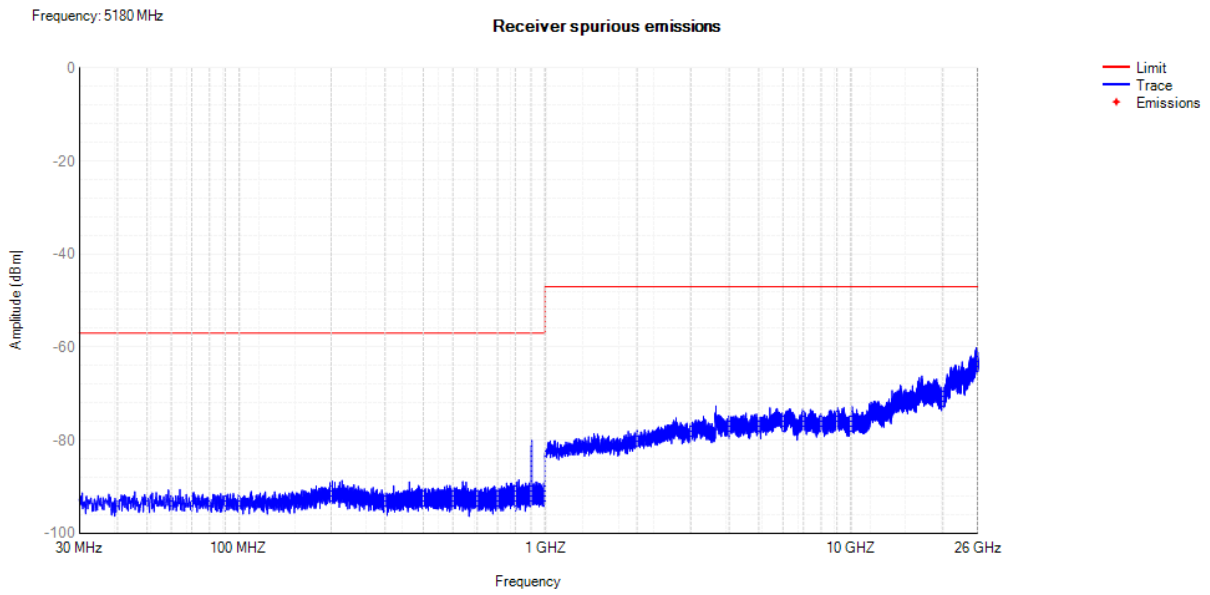
### 802.11a SISO-TX1

Rx. Spurious NVNT 802.11a 5180MHz

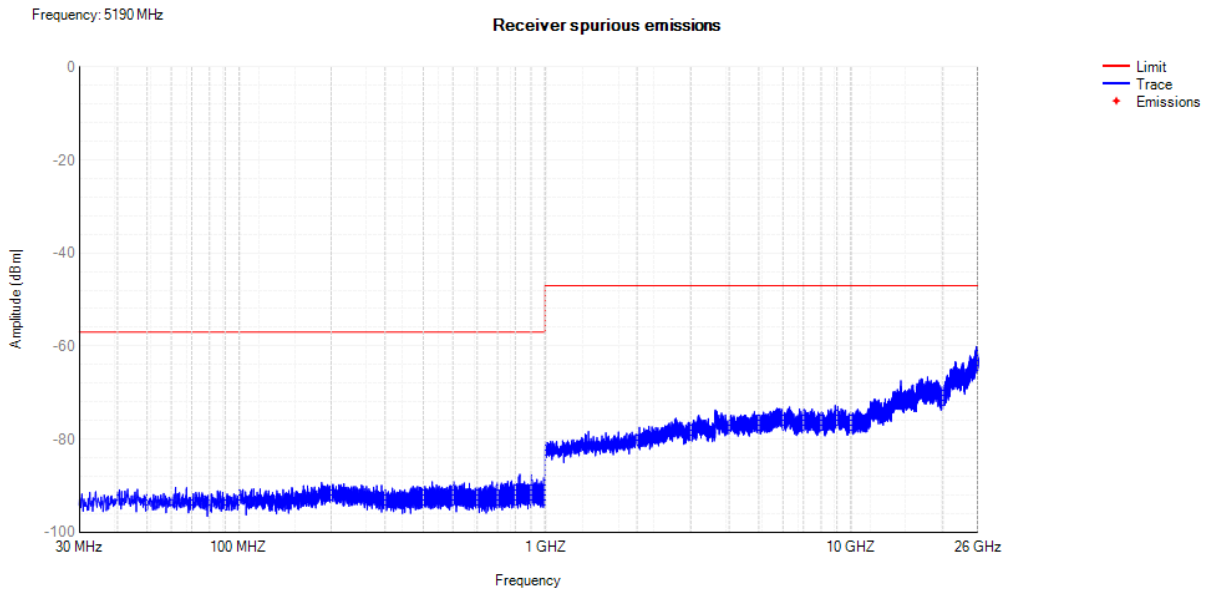


## 802.11n/ac MIMO

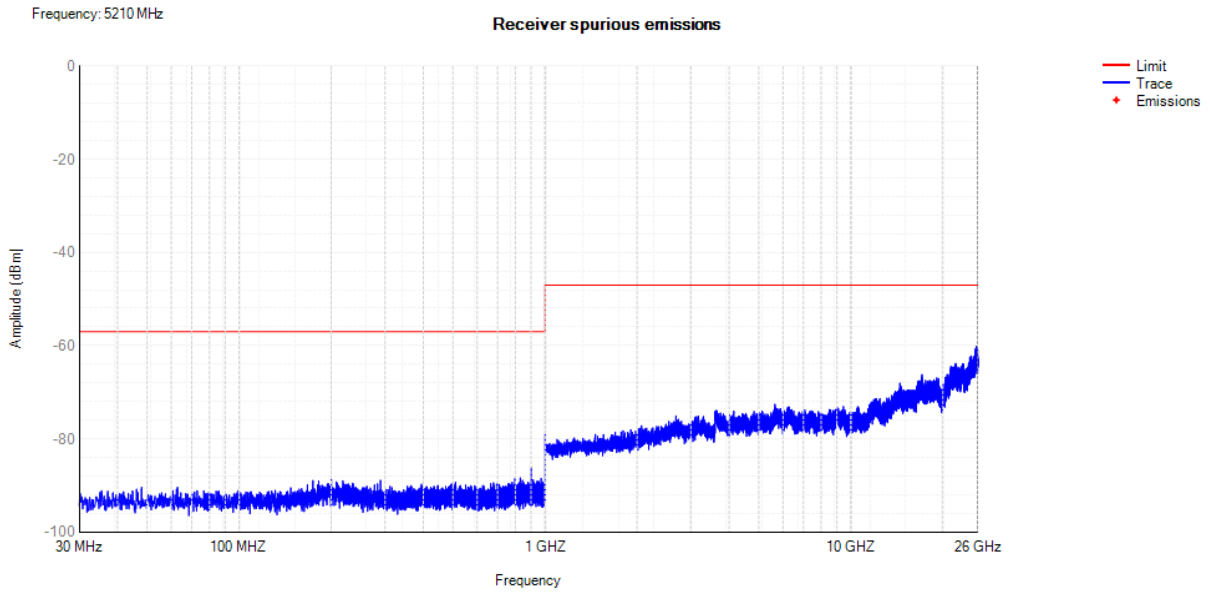
### Rx. Spurious NVNT 802.11ac20 5180MHz



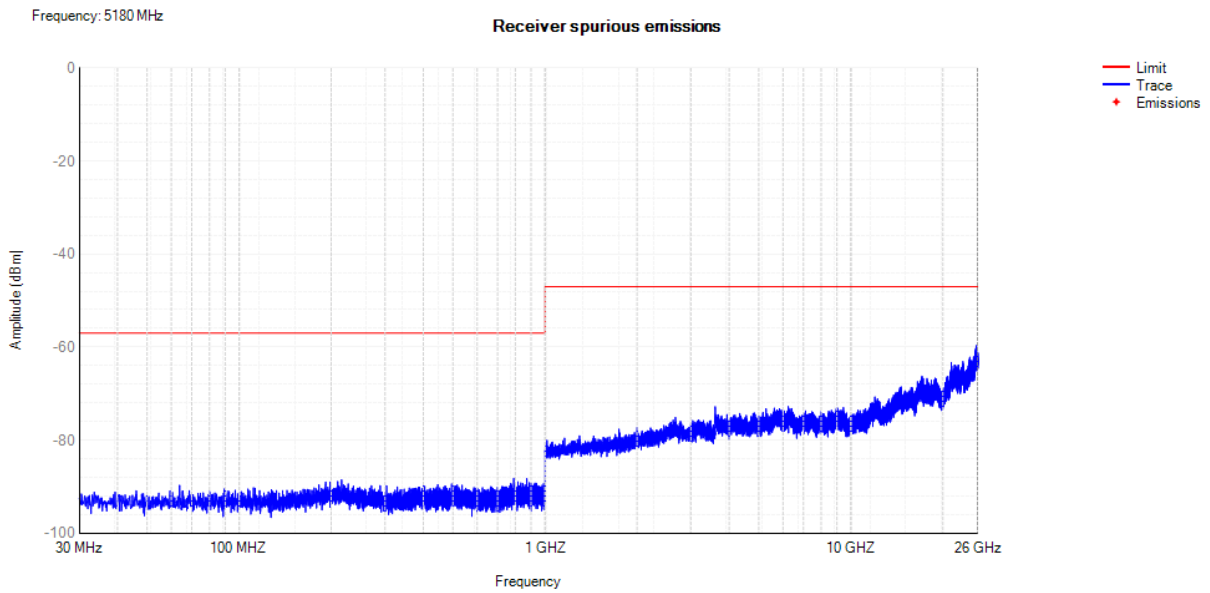
### Rx. Spurious NVNT 802.11ac40 5190MHz



## Rx. Spurious NVNT 802.11ac80 5210MHz

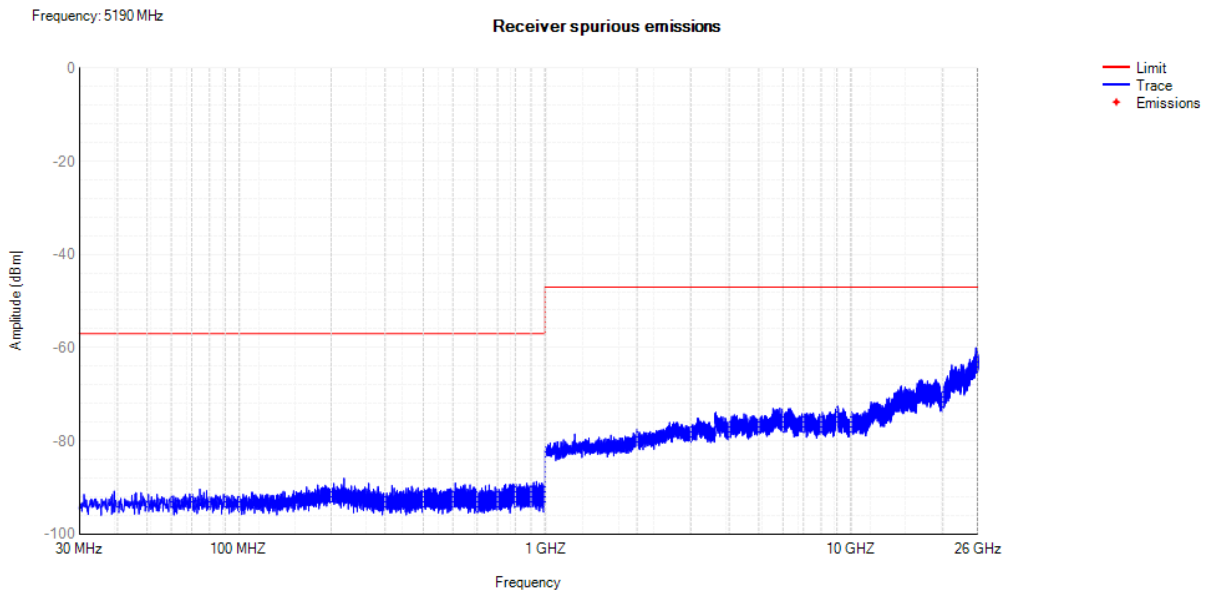


## Rx. Spurious NVNT 802.11n(HT20) 5180MHz





## Rx. Spurious NVNT 802.11n(HT40) 5190MHz

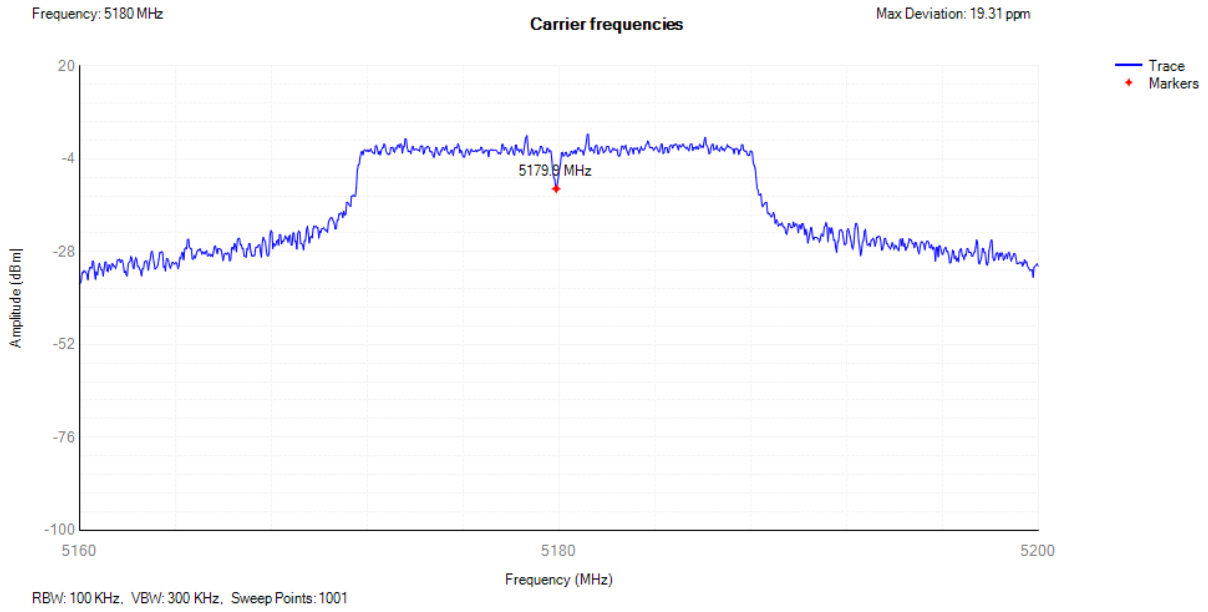


## (Flex antenna: 4.75dBi)

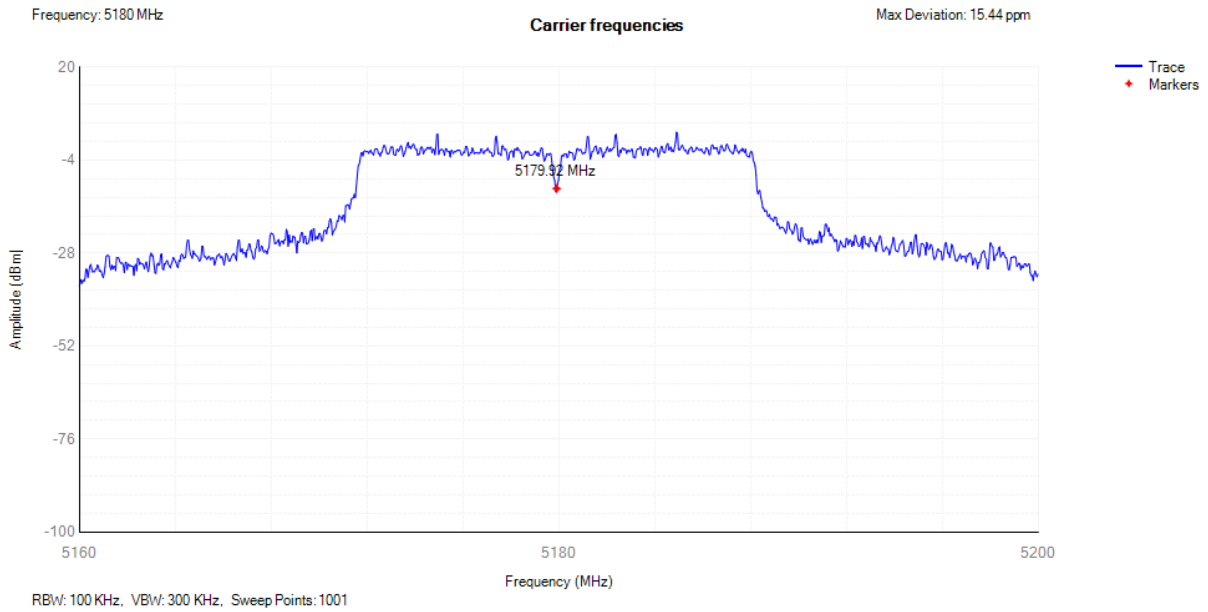
### 5.4.2 Carrier frequencies

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
<b>802.11a SISO-TX0</b>						
NVHT	802.11a	5180	5179.9	19.31	20	Pass
NVLT	802.11a	5180	5179.92	15.44	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11a SISO-TX1</b>						
NVHT	802.11a	5180	5179.9	19.31	20	Pass
NVLT	802.11a	5180	5179.92	15.44	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11n/ac MIMO</b>						
NVHT	802.11ac20	5180	5179.94	11.58	20	Pass
NVLT	802.11ac20	5180	5179.92	15.44	20	Pass
NVNT	802.11ac20	5180	5179.96	7.72	20	Pass
NVHT	802.11ac40	5190	5189.96	7.71	20	Pass
NVLT	802.11ac40	5190	5189.96	7.71	20	Pass
NVNT	802.11ac40	5190	5189.96	7.71	20	Pass
NVHT	802.11ac80	5210	5209.92	15.36	20	Pass
NVLT	802.11ac80	5210	5209.92	15.36	20	Pass
NVNT	802.11ac80	5210	5209.92	15.36	20	Pass
NVHT	802.11n(HT20)	5180	5179.94	11.58	20	Pass
NVLT	802.11n(HT20)	5180	5179.94	11.58	20	Pass
NVNT	802.11n(HT20)	5180	5179.92	15.44	20	Pass
NVHT	802.11n(HT40)	5190	5189.92	15.41	20	Pass
NVLT	802.11n(HT40)	5190	5189.96	7.71	20	Pass
NVNT	802.11n(HT40)	5190	5189.96	7.71	20	Pass

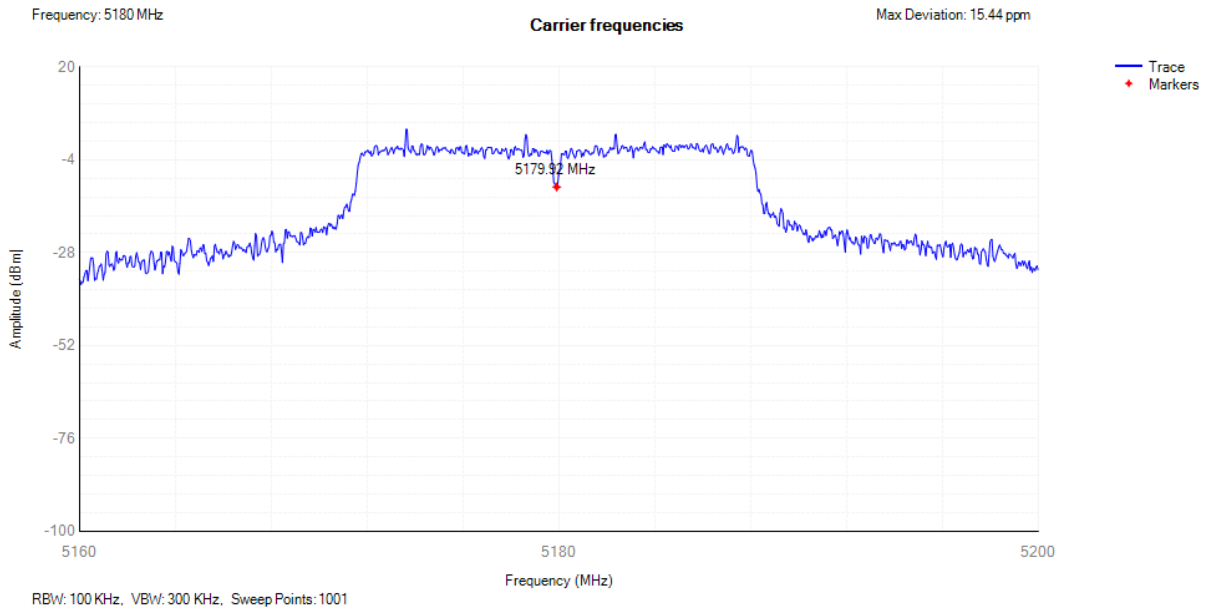
## 802.11a SISO-TX0 Carrier Freq. NVHT 802.11a 5180MHz



## Carrier Freq. NVLT 802.11a 5180MHz

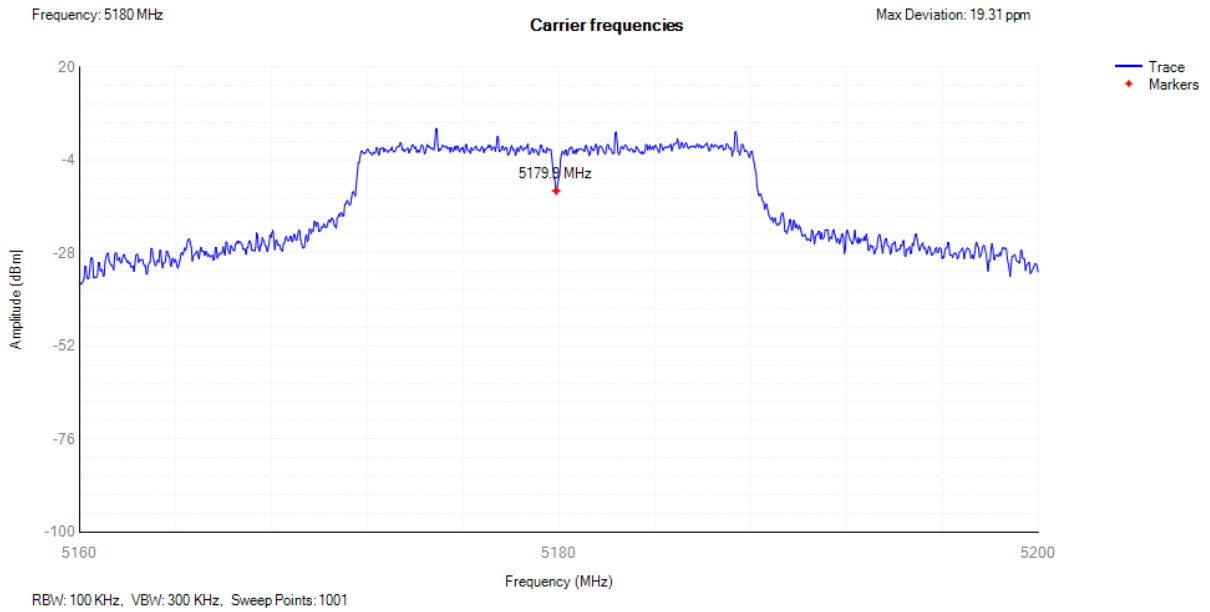


## Carrier Freq. NVNT 802.11a 5180MHz

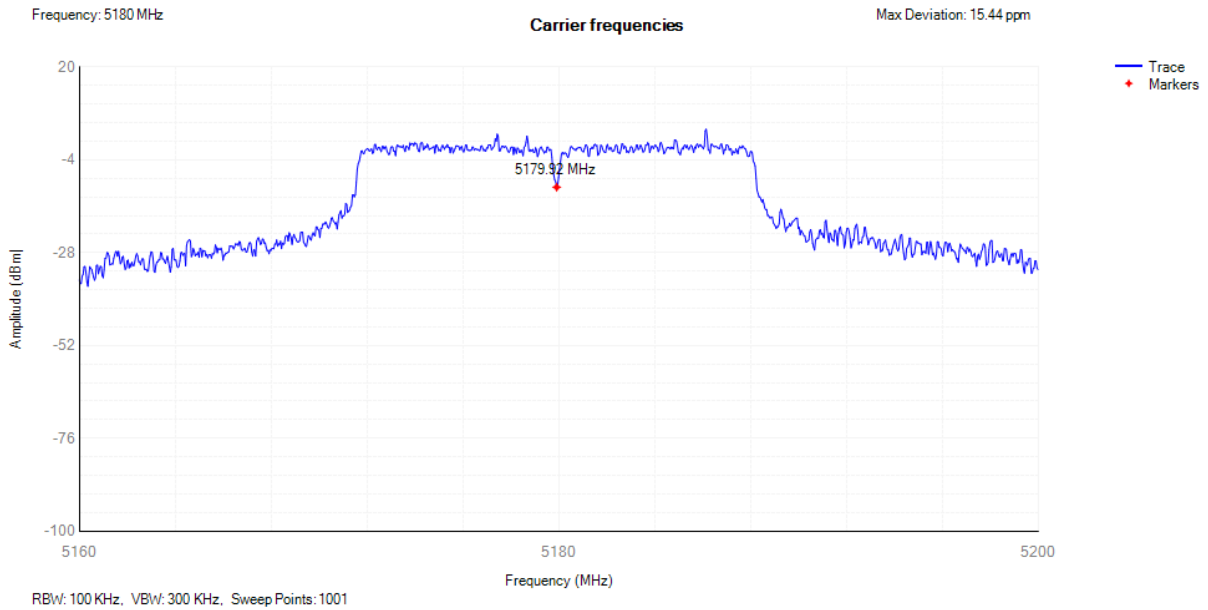


## 802.11a SISO-TX1

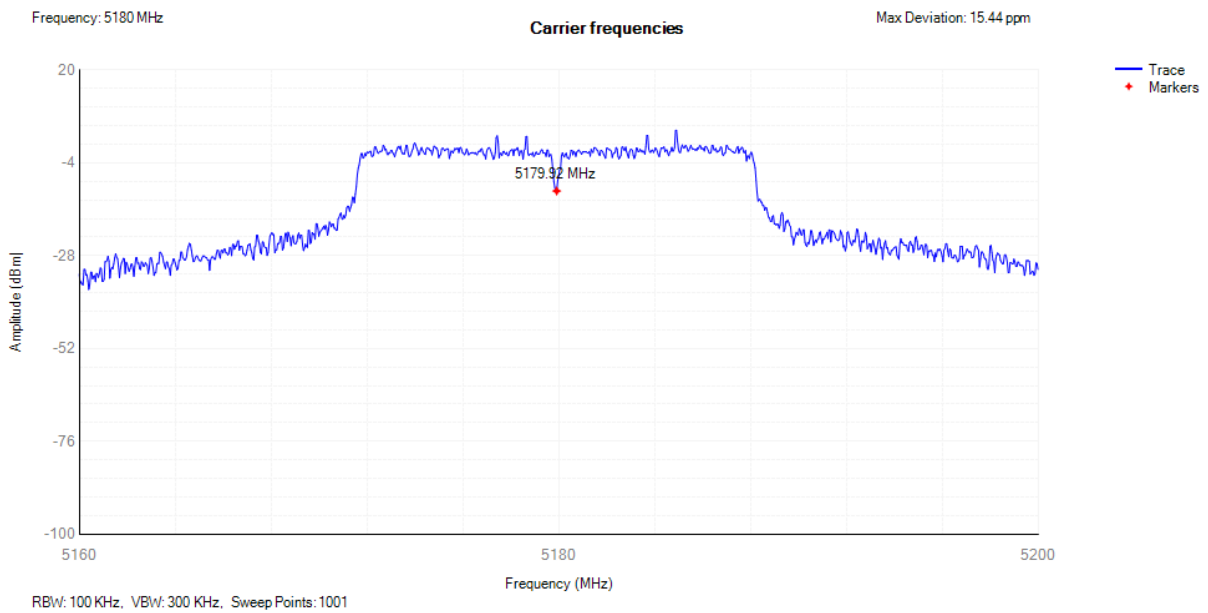
## Carrier Freq. NVHT 802.11a 5180MHz



## Carrier Freq. NVLT 802.11a 5180MHz

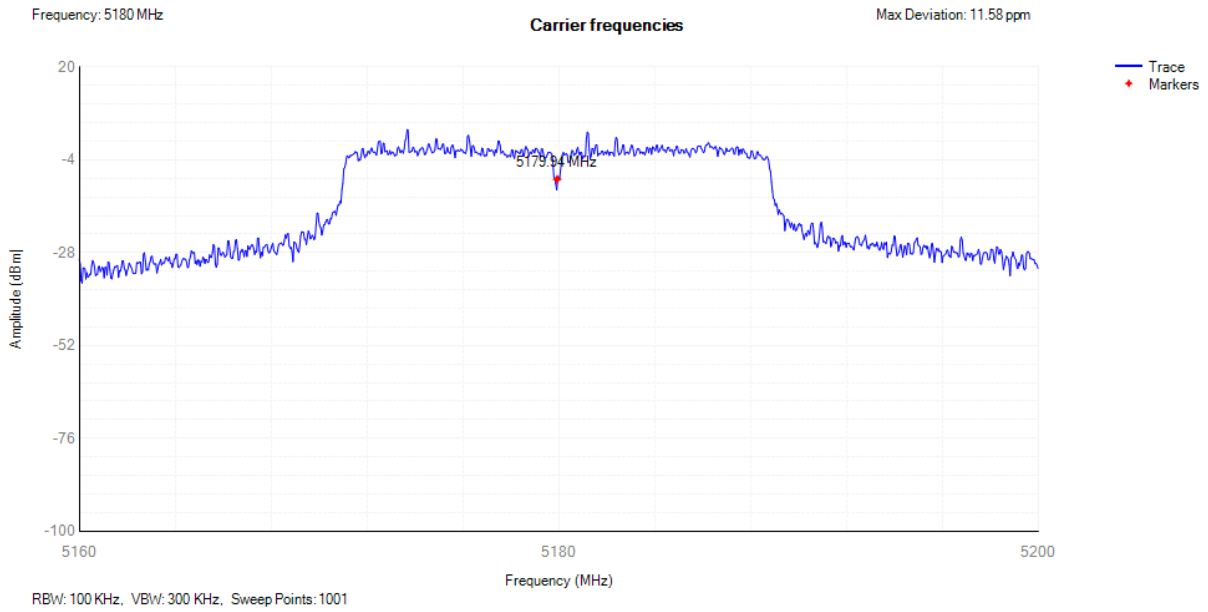


## Carrier Freq. NVNT 802.11a 5180MHz

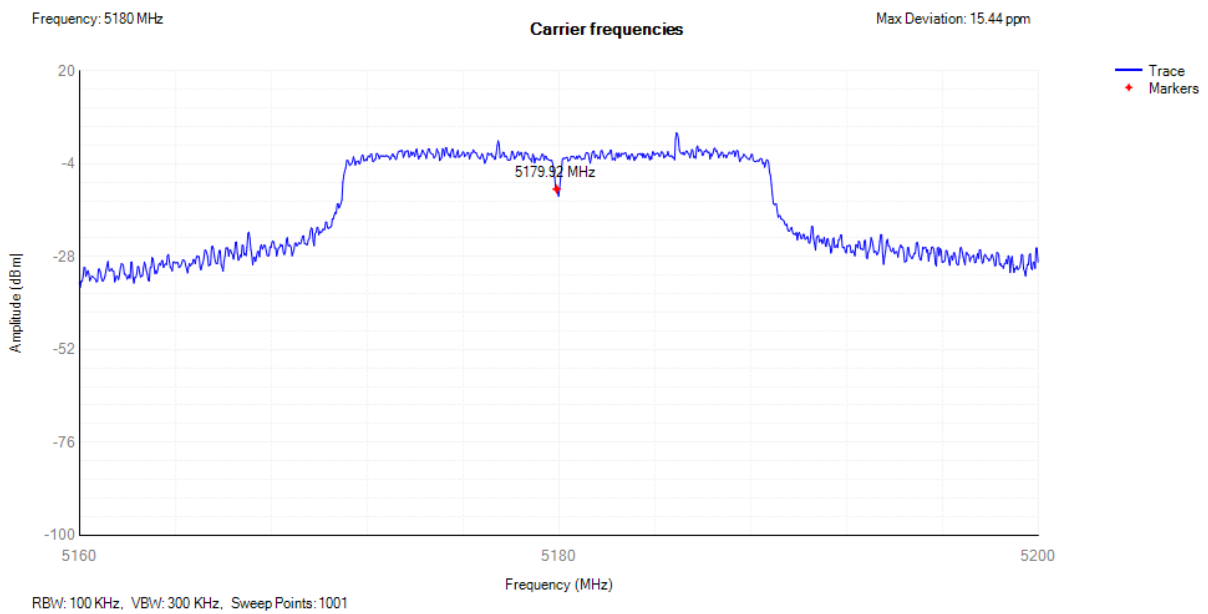


## 802.11n/ac MIMO

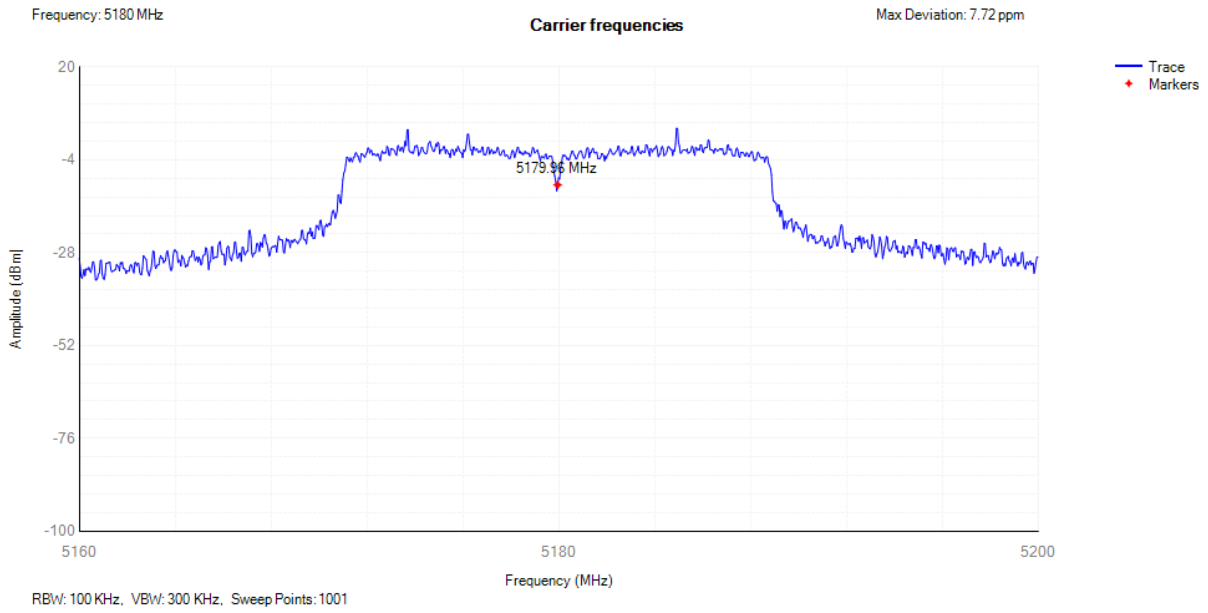
Carrier Freq. NVHT 802.11ac20 5180MHz



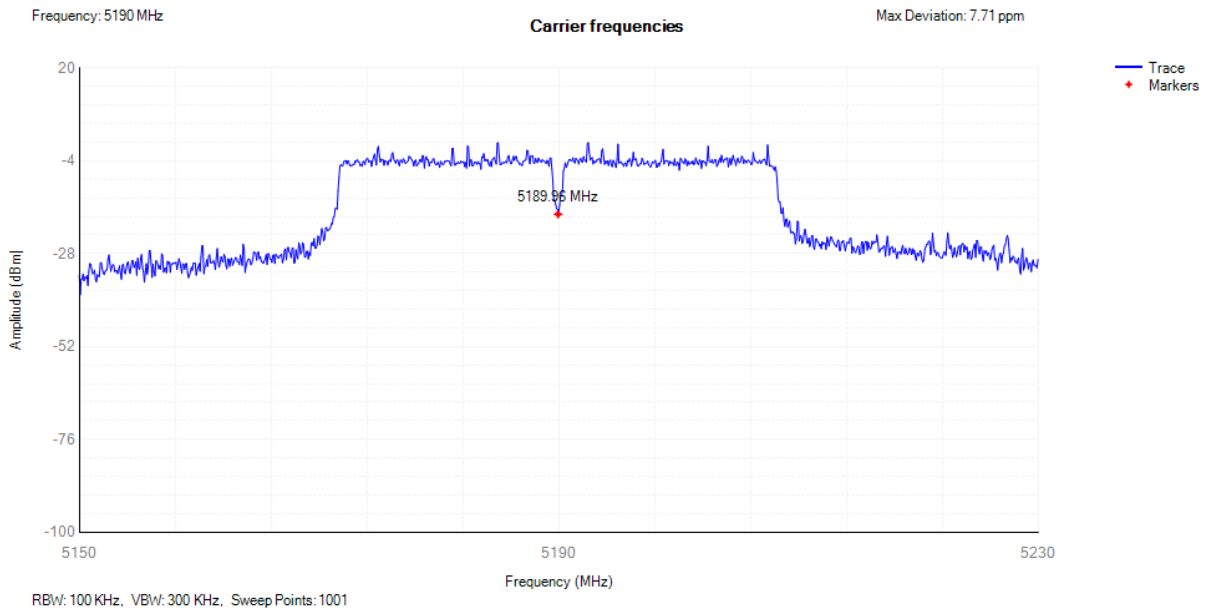
Carrier Freq. NVLT 802.11ac20 5180MHz



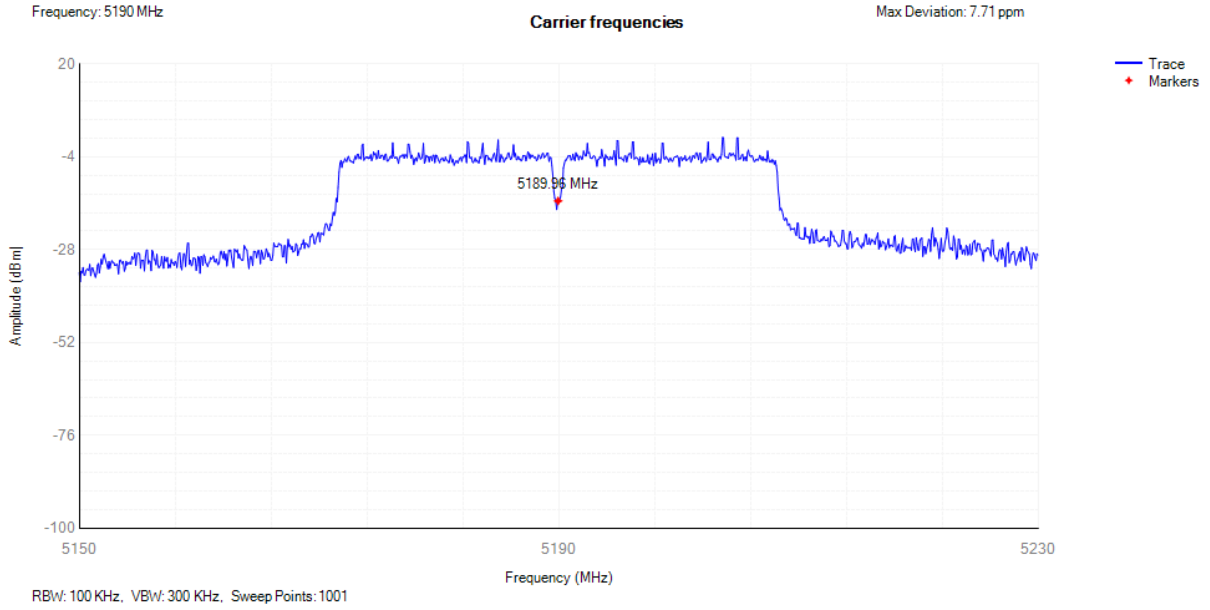
## Carrier Freq. NVNT 802.11ac20 5180MHz



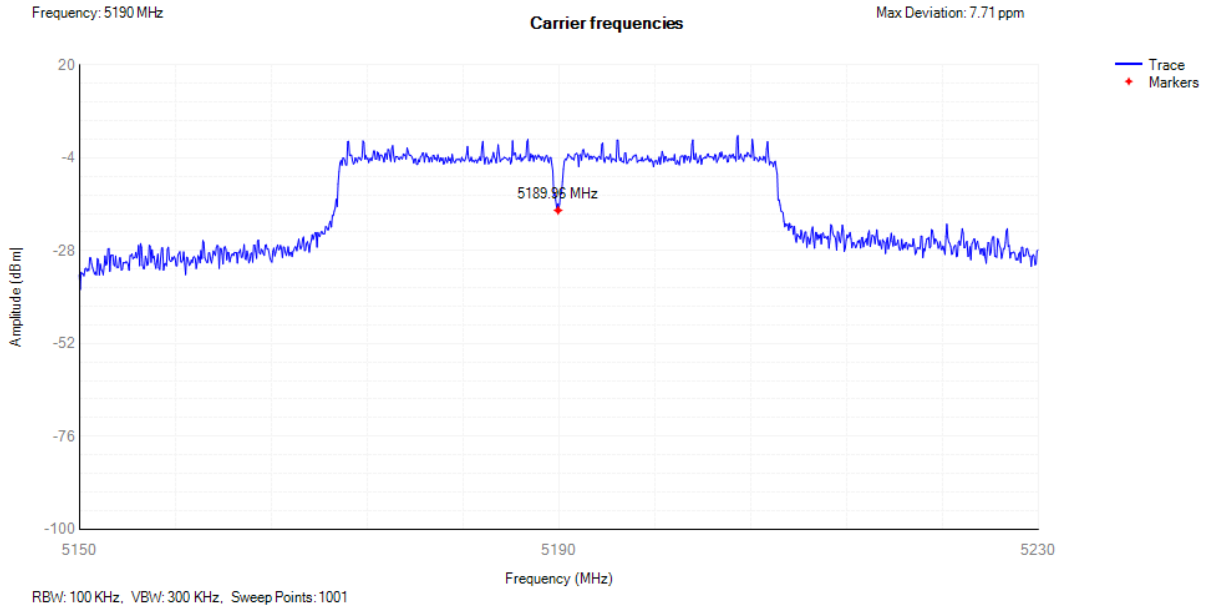
## Carrier Freq. NVHT 802.11ac40 5190MHz



### Carrier Freq. NVLT 802.11ac40 5190MHz

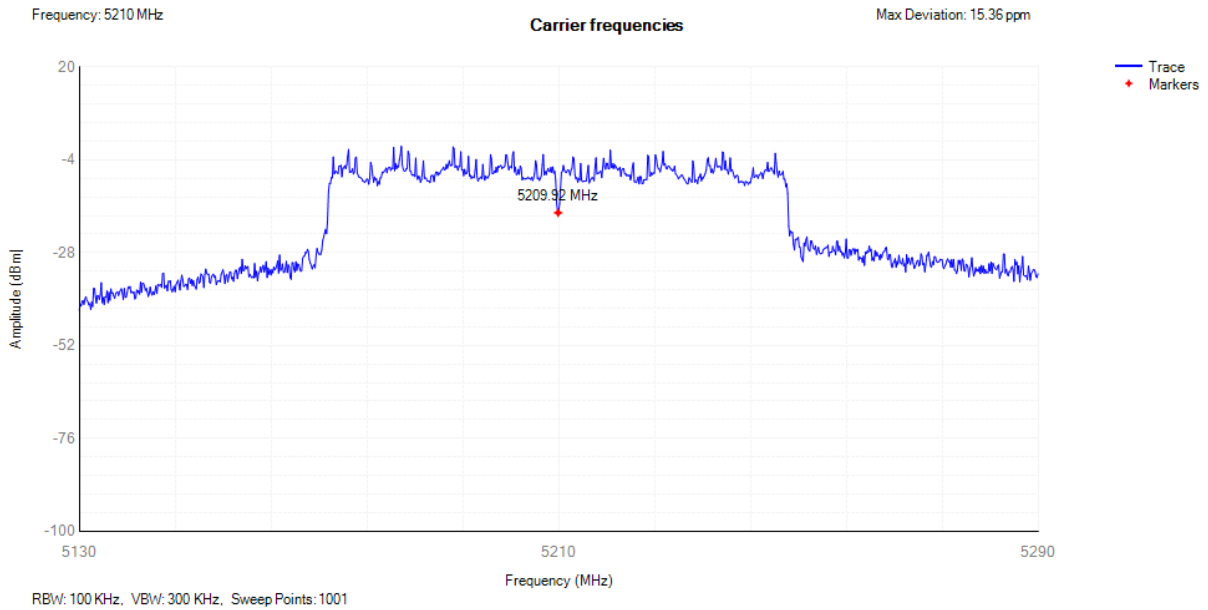


### Carrier Freq. NVNT 802.11ac40 5190MHz

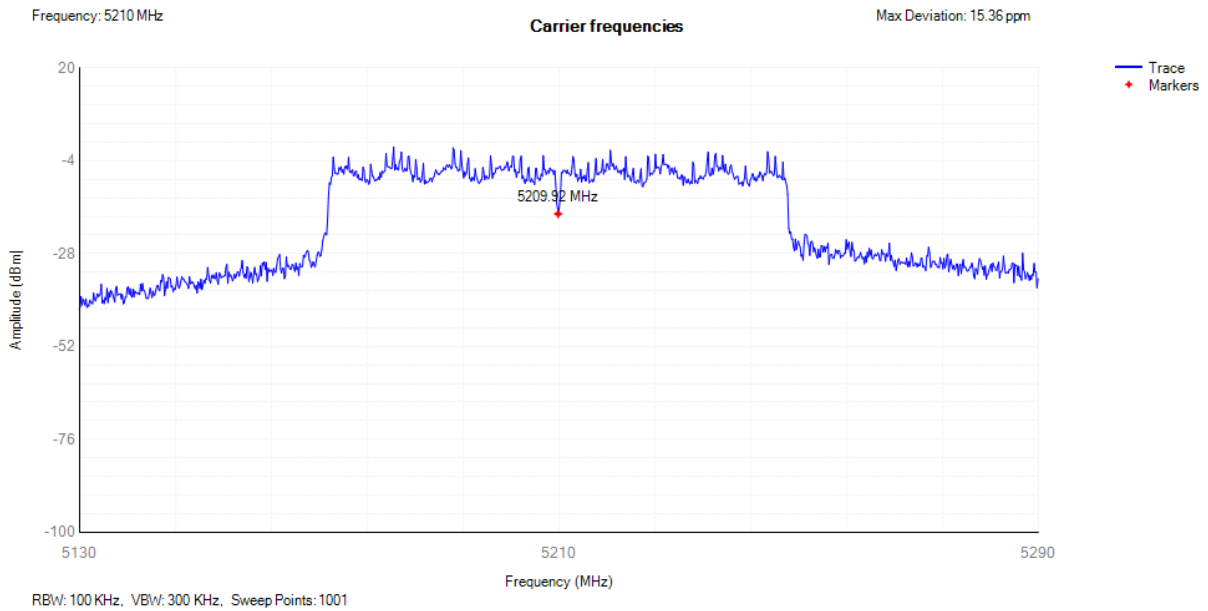




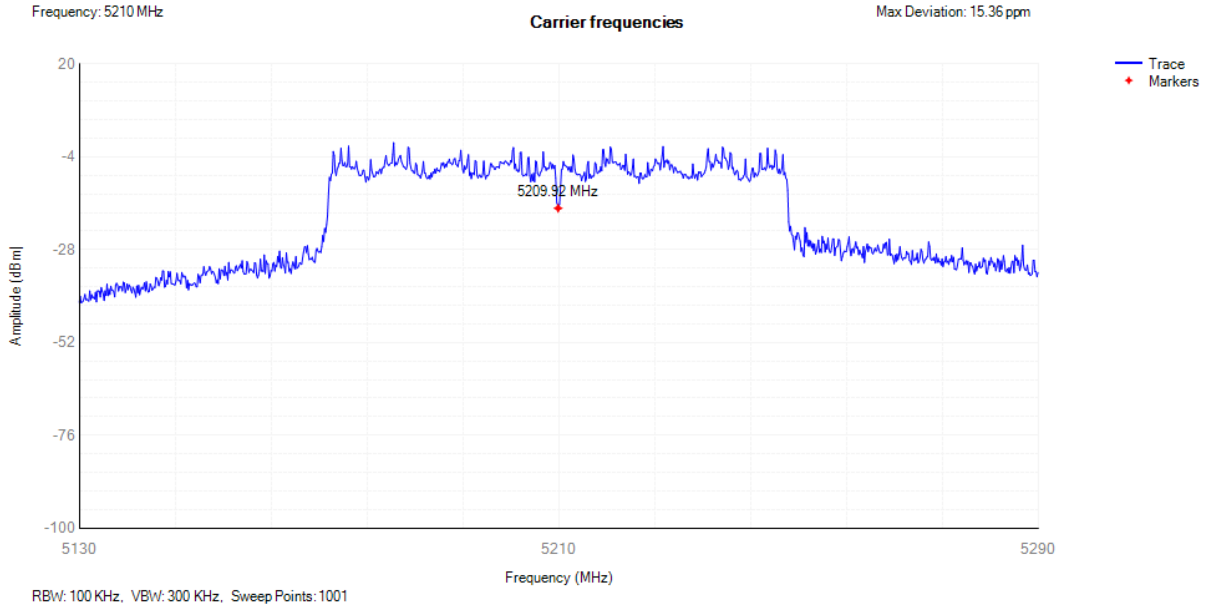
## Carrier Freq. NVHT 802.11ac80 5210MHz



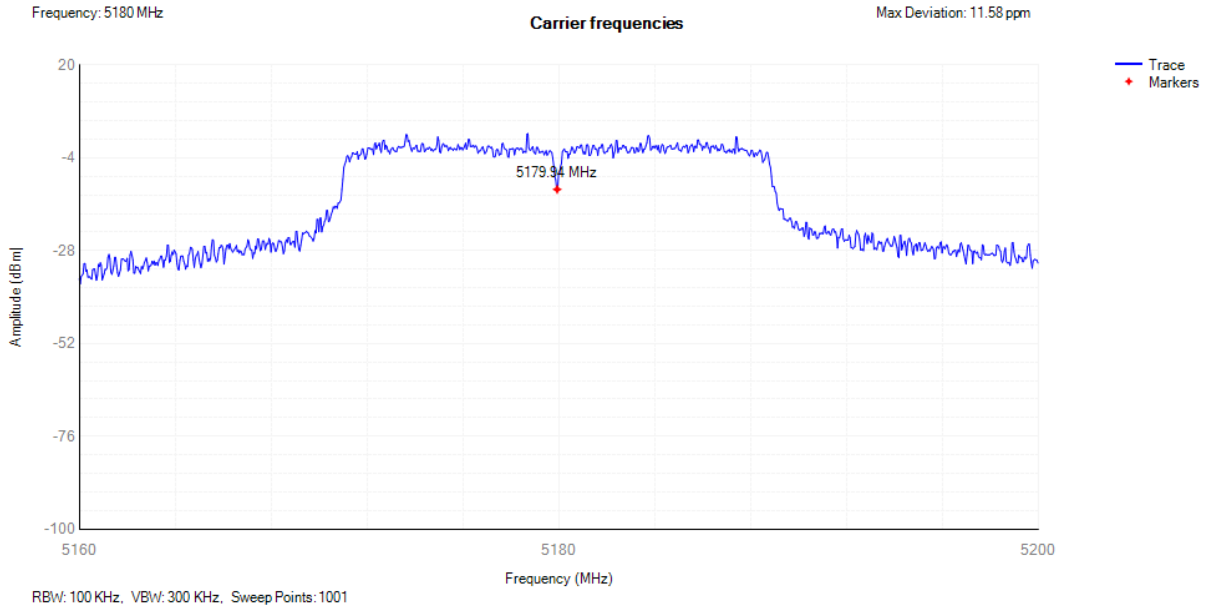
## Carrier Freq. NVLT 802.11ac80 5210MHz



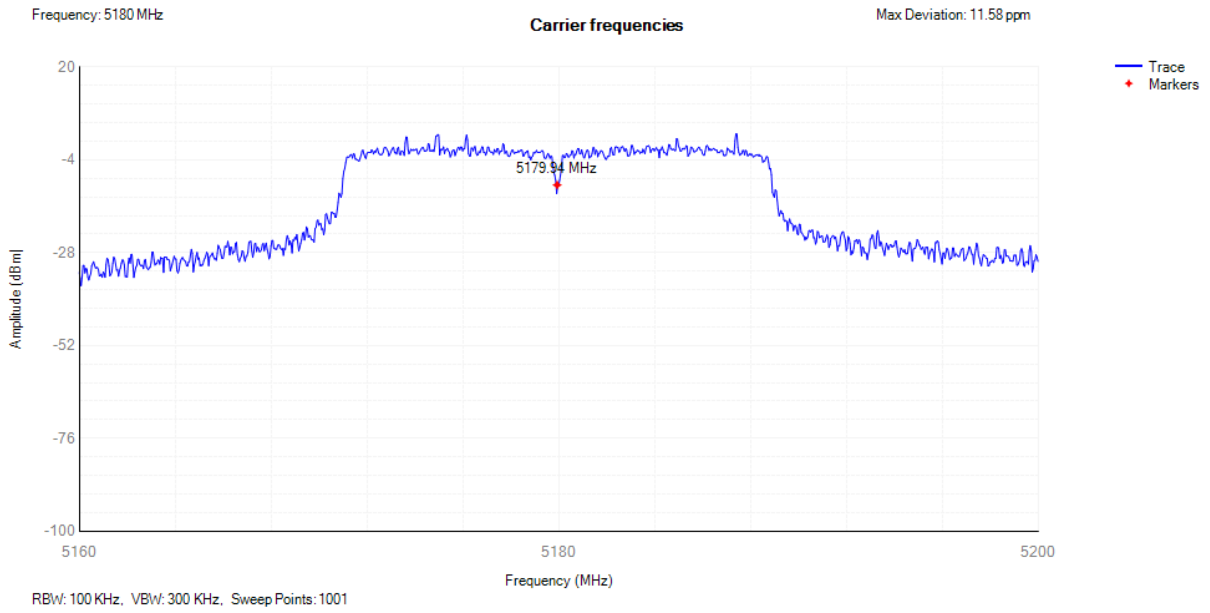
### Carrier Freq. NVNT 802.11ac80 5210MHz



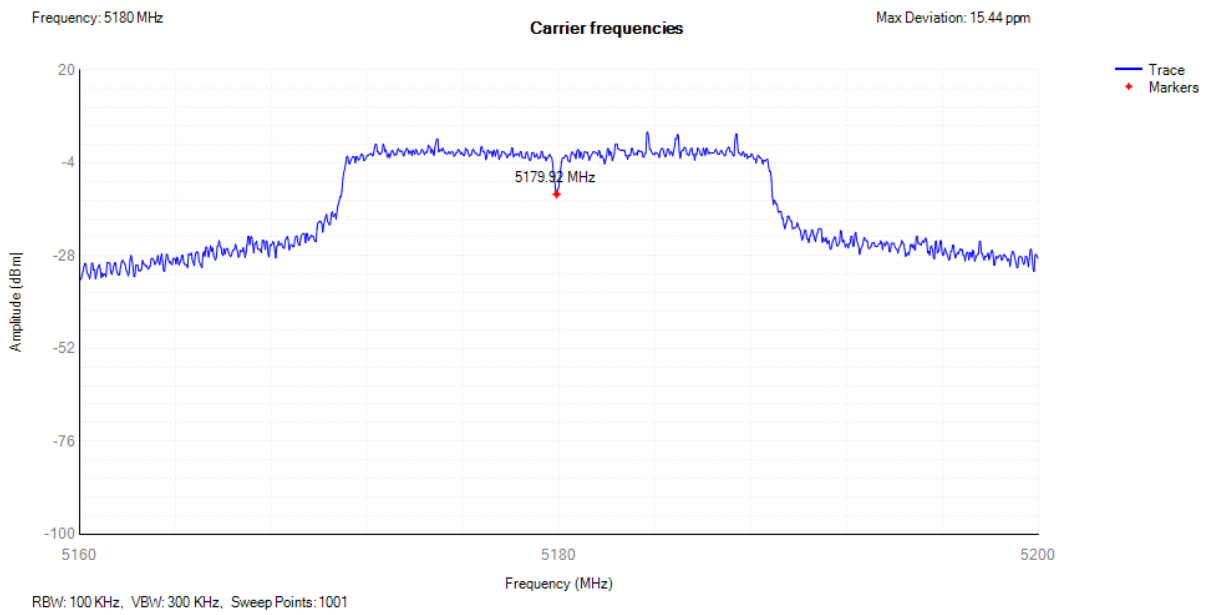
### Carrier Freq. NVHT 802.11n(HT20) 5180MHz



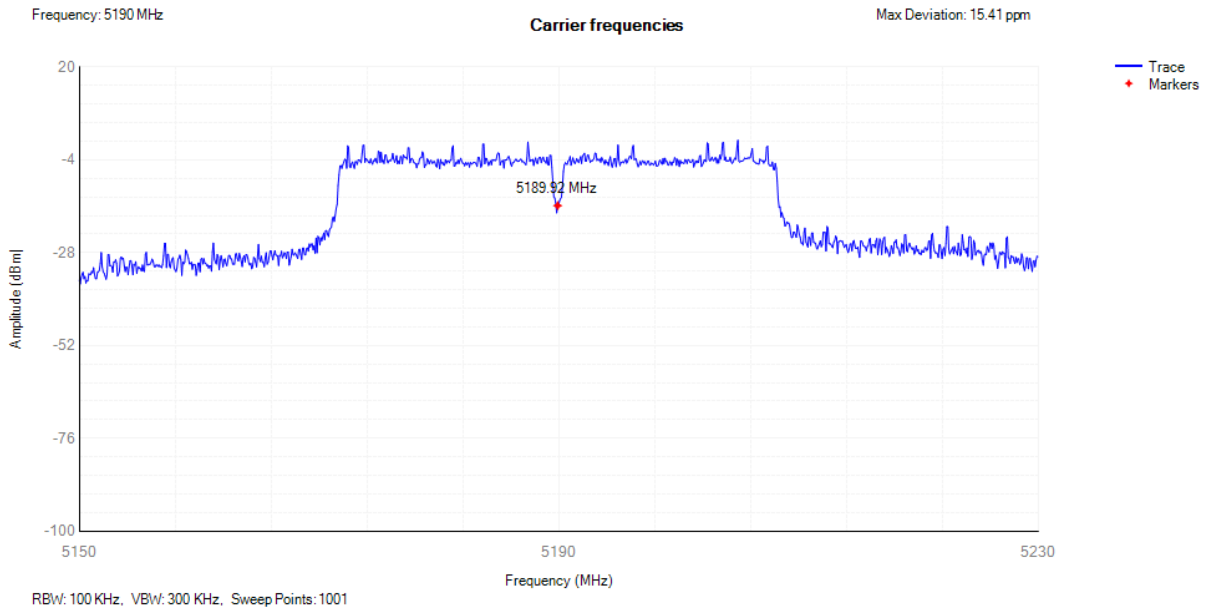
## Carrier Freq. NVLT 802.11n(HT20) 5180MHz



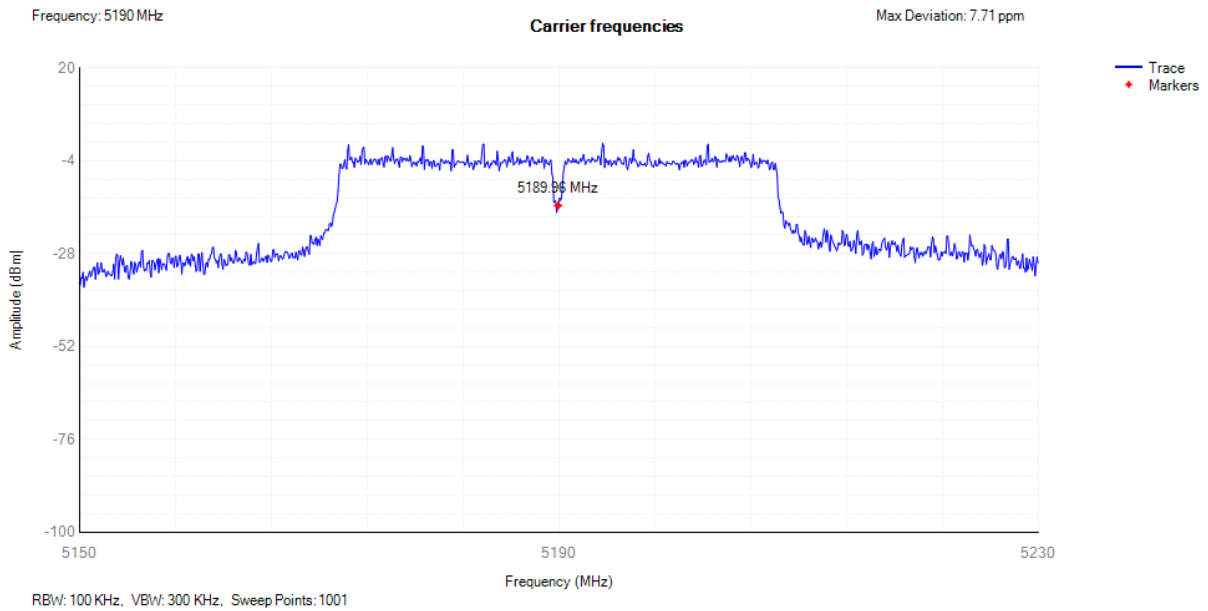
## Carrier Freq. NVNT 802.11n(HT20) 5180MHz



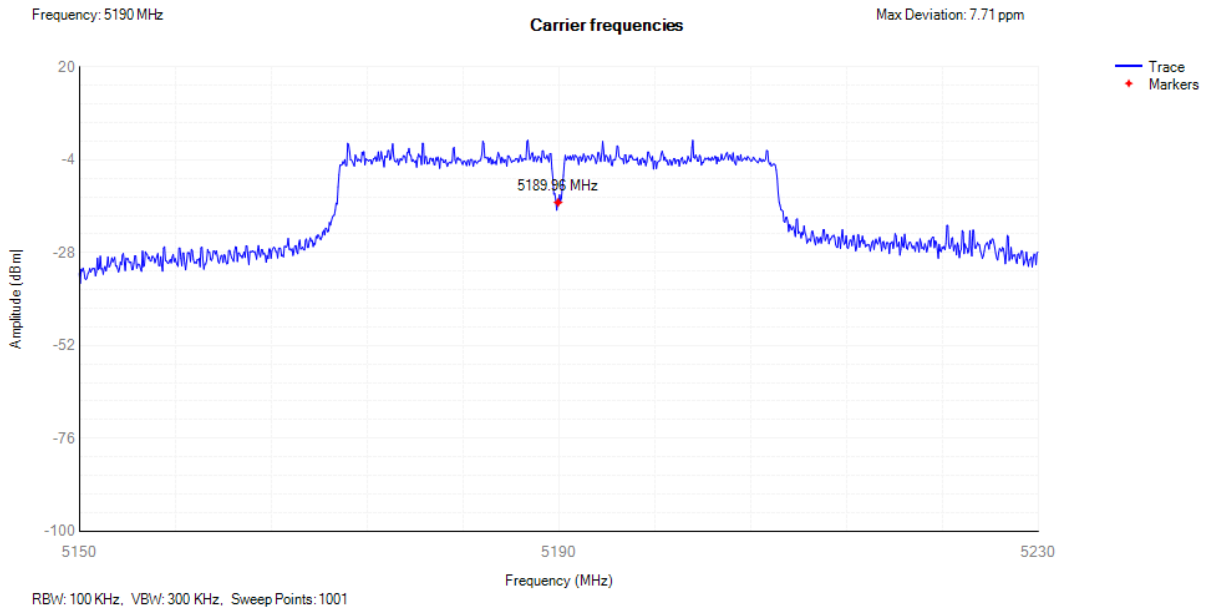
## Carrier Freq. NVHT 802.11n(HT40) 5190MHz



## Carrier Freq. NVLT 802.11n(HT40) 5190MHz



Carrier Freq. NVNT 802.11n(HT40) 5190MHz



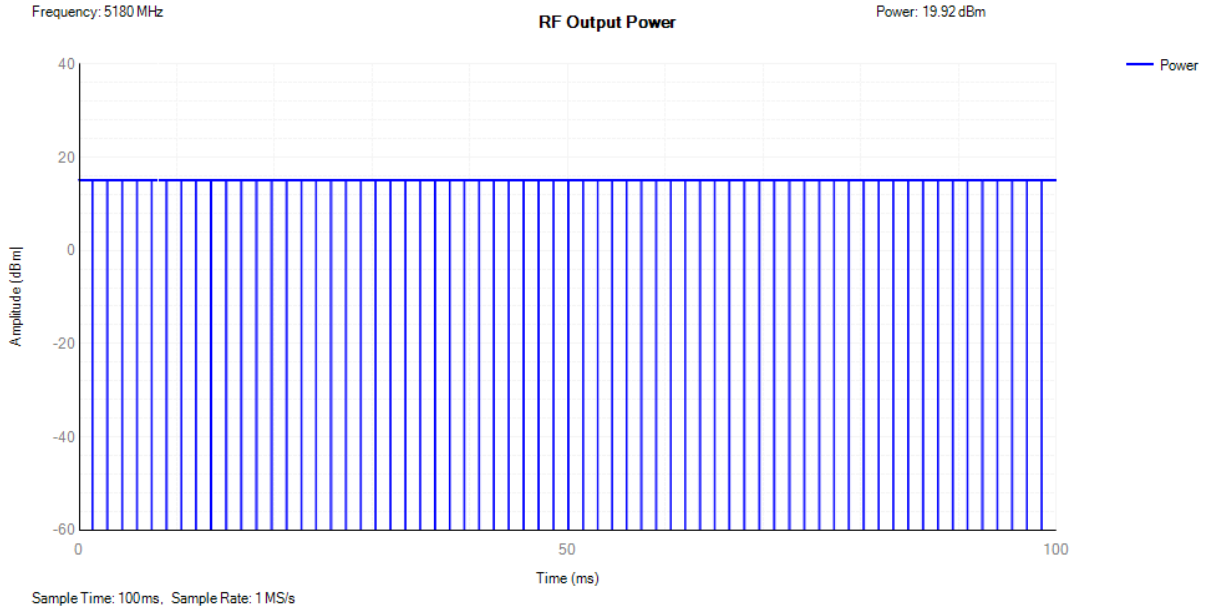
### 5.4.4 RF Output Power

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVHT	802.11a	5180	15.17	66	19.92	23	Pass
NVLT	802.11a	5180	15.15	67	19.9	23	Pass
NVNT	802.11a	5180	15.2	67	19.95	23	Pass
<b>802.11a SISO-TX1</b>							
NVHT	802.11a	5180	15.89	67	20.64	23	Pass
NVLT	802.11a	5180	15.83	67	20.58	23	Pass
NVNT	802.11a	5180	15.81	67	20.56	23	Pass
<b>802.11n/ac MIMO</b>							
NVHT	802.11ac20	5180	15.36	70	20.11	23	Pass
NVLT	802.11ac20	5180	15.34	71	20.09	23	Pass
NVNT	802.11ac20	5180	15.37	70	20.12	23	Pass
NVHT	802.11ac40	5190	15.62	133	20.37	23	Pass
NVLT	802.11ac40	5190	15.62	133	20.37	23	Pass
NVNT	802.11ac40	5190	15.71	133	20.46	23	Pass
NVHT	802.11ac80	5210	15.51	237	20.26	23	Pass
NVLT	802.11ac80	5210	15.52	236	20.27	23	Pass
NVNT	802.11ac80	5210	15.52	237	20.27	23	Pass
NVHT	802.11n(HT20)	5180	15.35	71	20.1	23	Pass
NVLT	802.11n(HT20)	5180	15.37	71	20.12	23	Pass
NVNT	802.11n(HT20)	5180	15.48	71	20.23	23	Pass

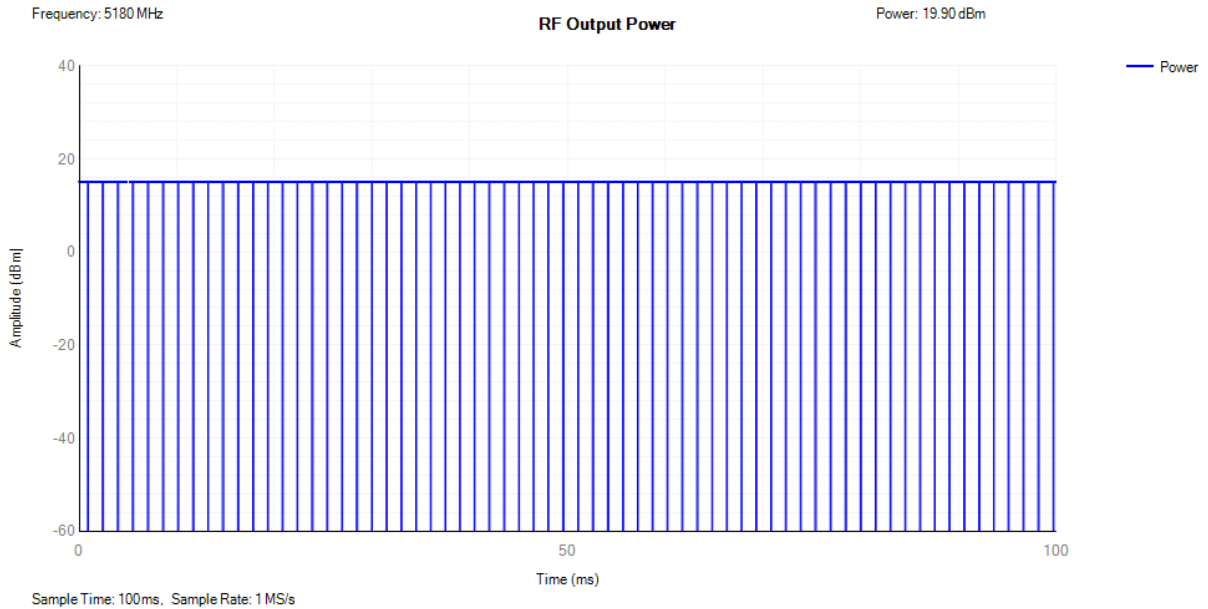
NVHT	802.11n(HT40)	5190	15.61	134	20.36	23	Pass
NVLT	802.11n(HT40)	5190	15.63	134	20.38	23	Pass
NVNT	802.11n(HT40)	5190	15.73	134	20.48	23	Pass

### 802.11a SISO-TX0

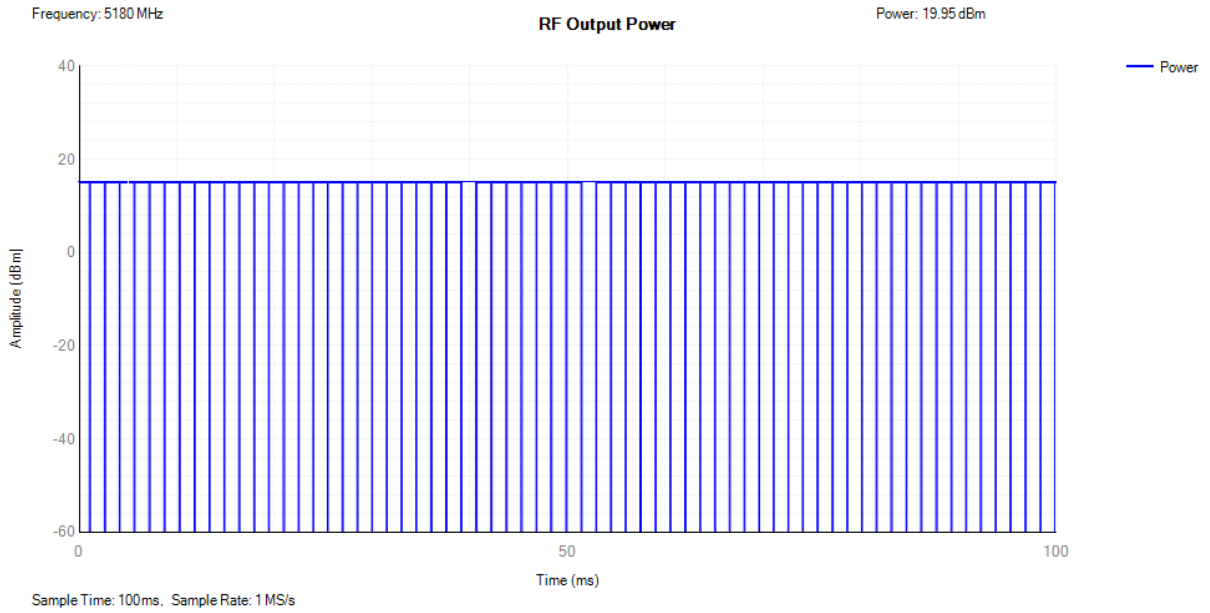
#### Power NVHT 802.11a 5180MHz



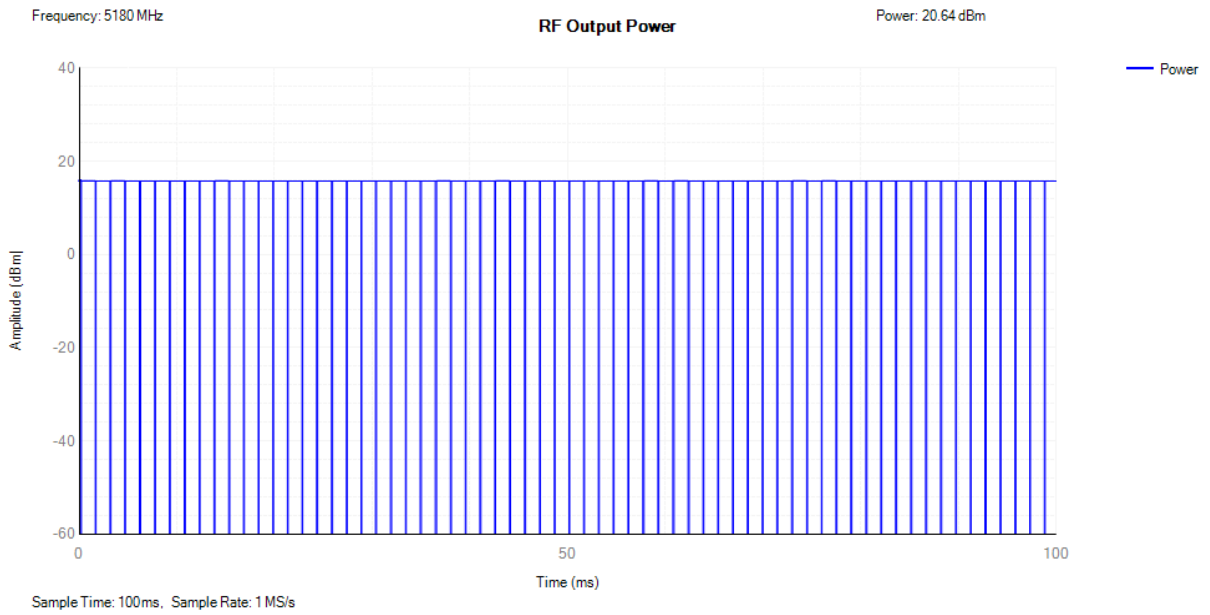
#### Power NVLT 802.11a 5180MHz



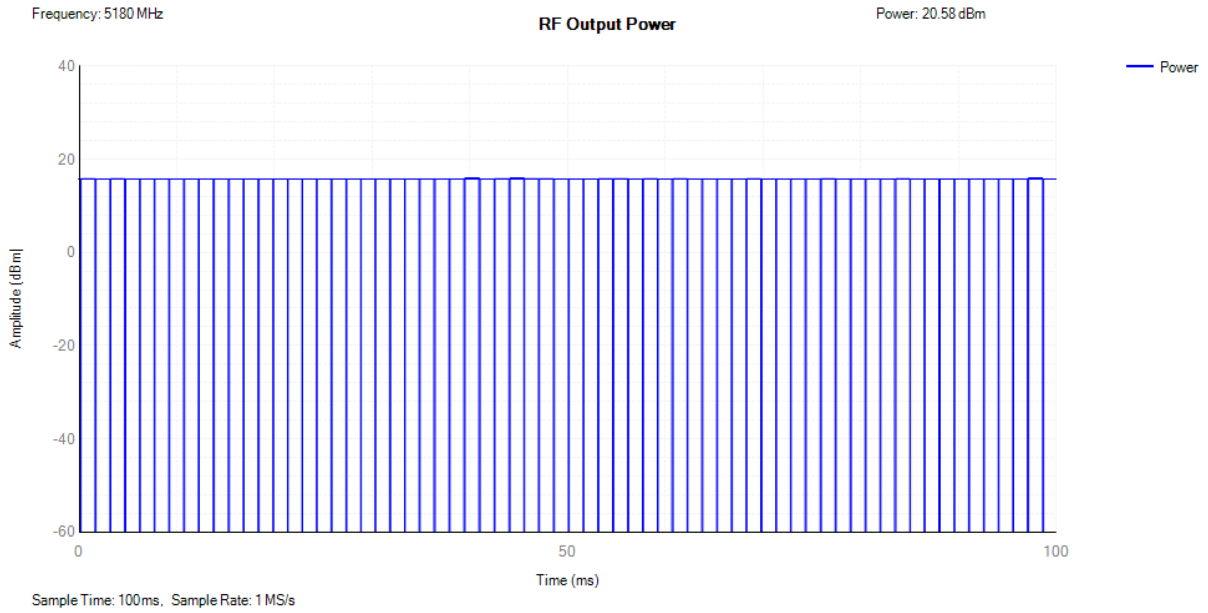
## Power NVNT 802.11a 5180MHz



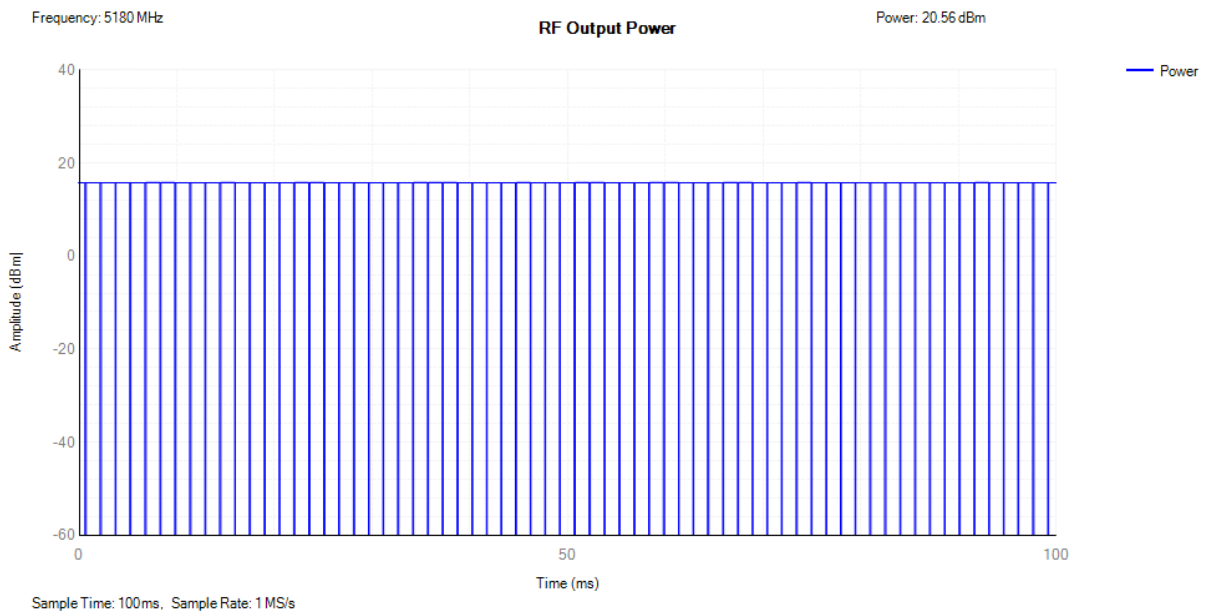
## 802.11a SISO-TX1 Power NVHT 802.11a 5180MHz



### Power NVLT 802.11a 5180MHz

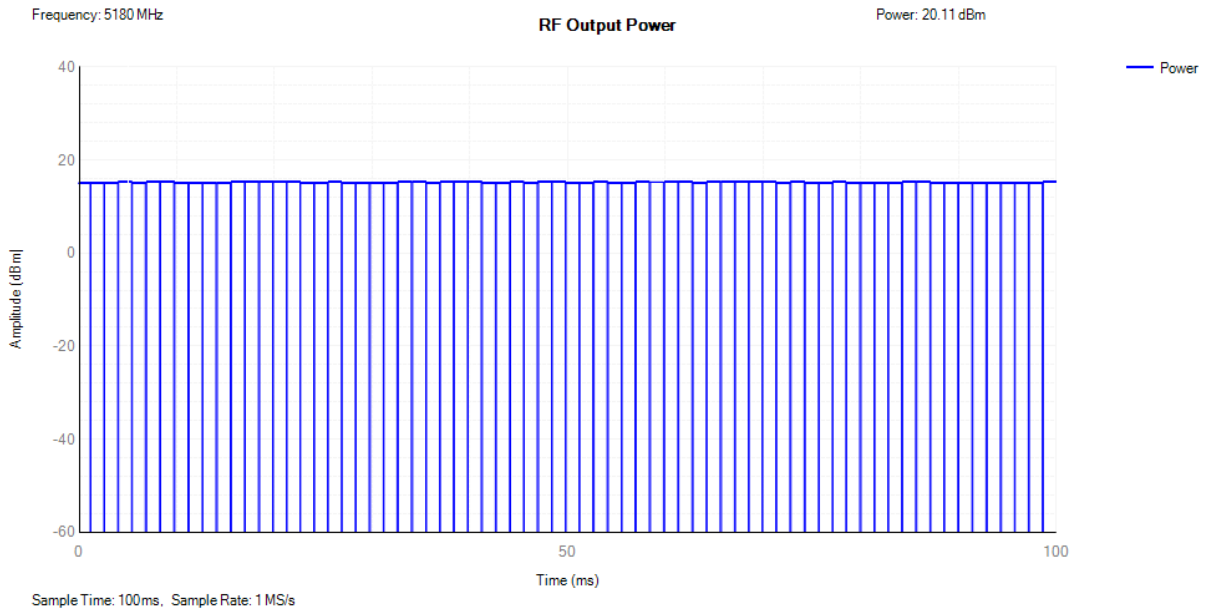


### Power NVNT 802.11a 5180MHz

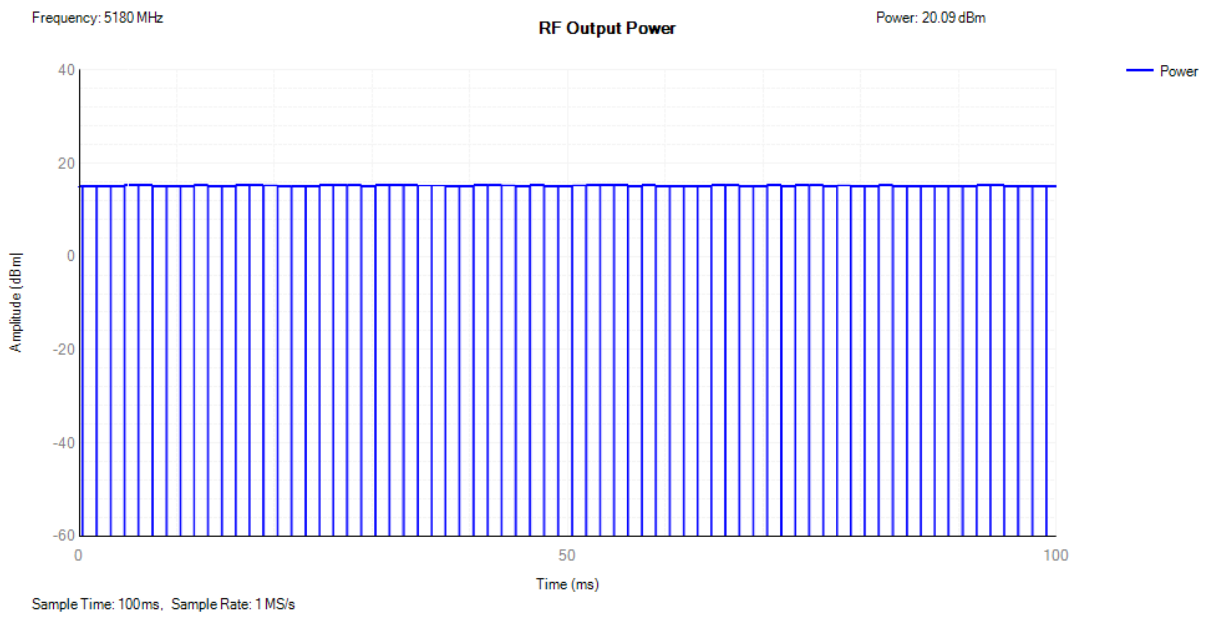




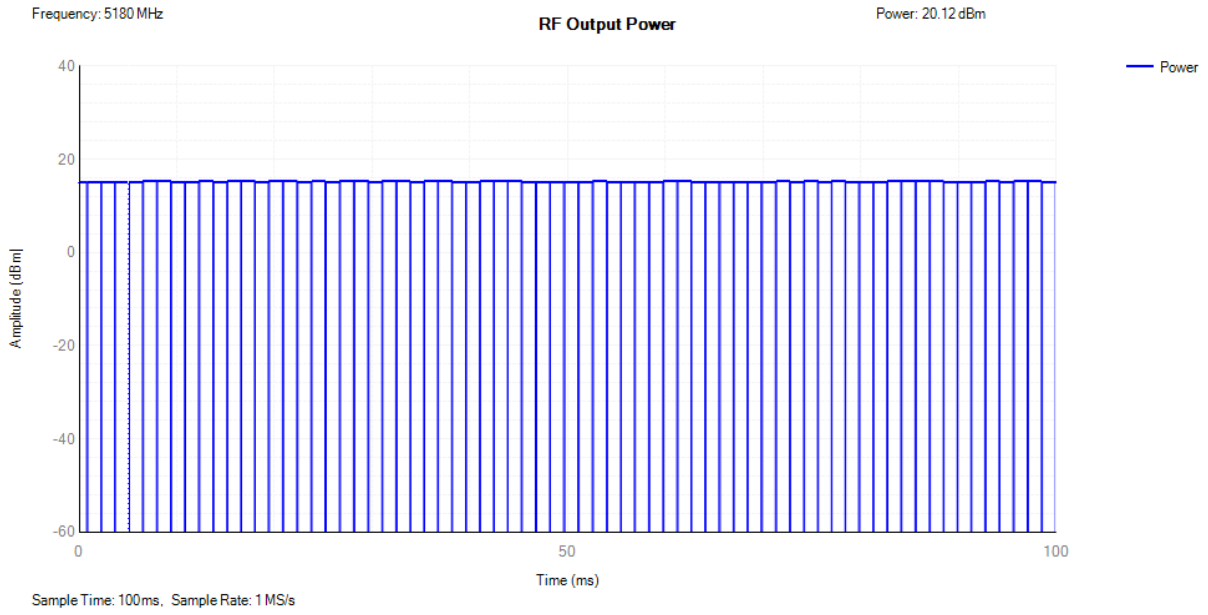
## 802.11n/ac MIMO Power NVHT 802.11ac20 5180MHz



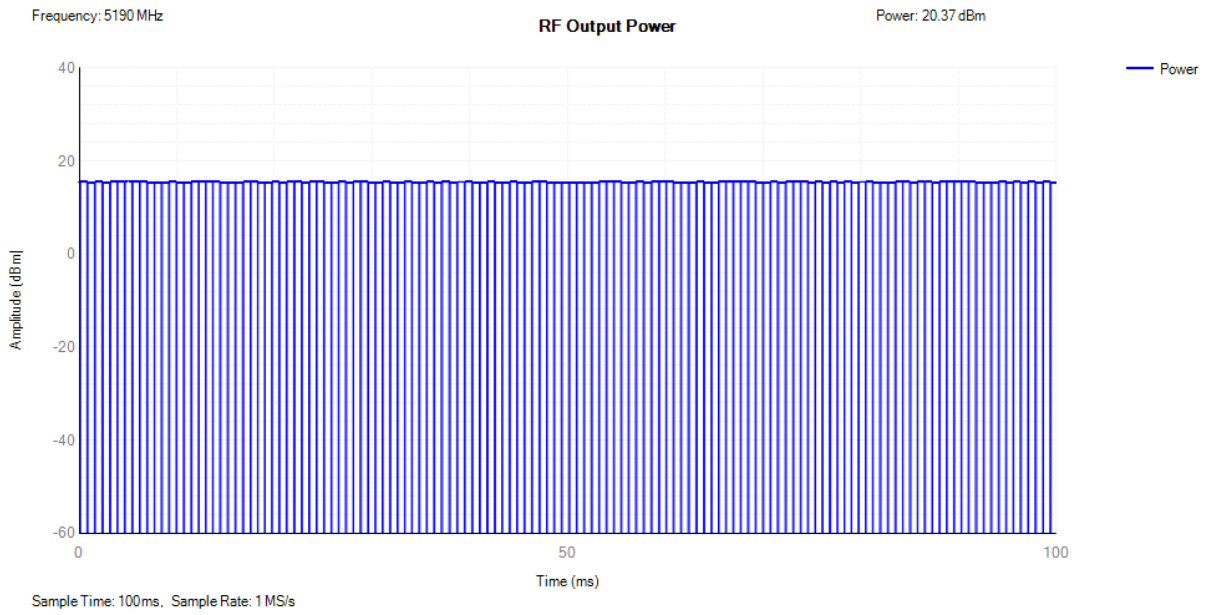
## Power NVLT 802.11ac20 5180MHz



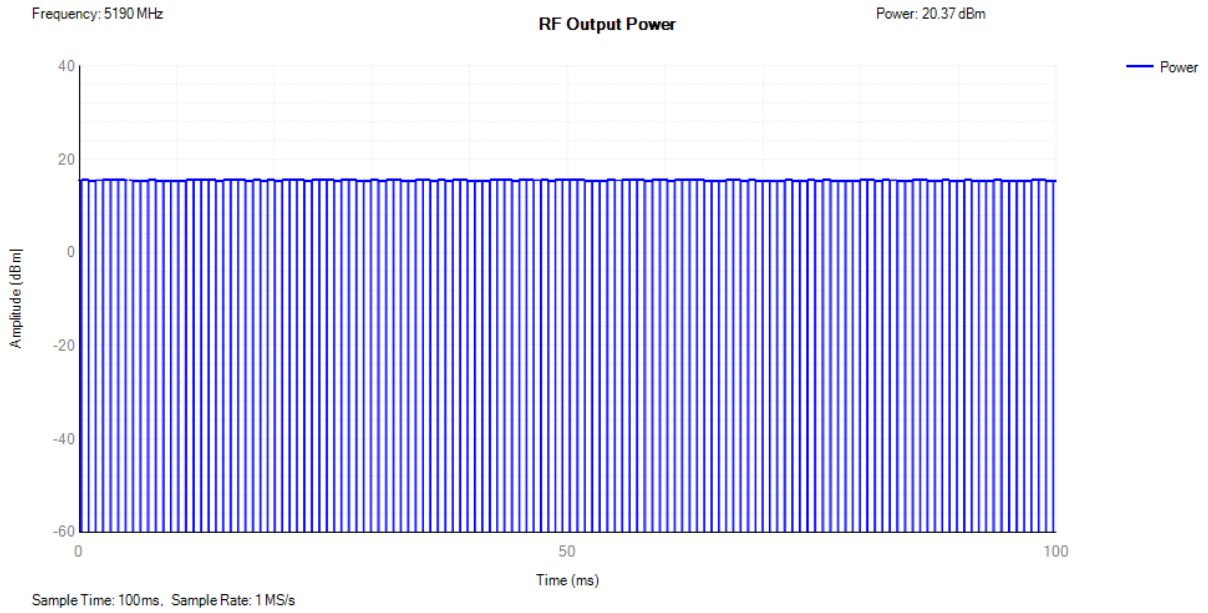
## Power NVNT 802.11ac20 5180MHz



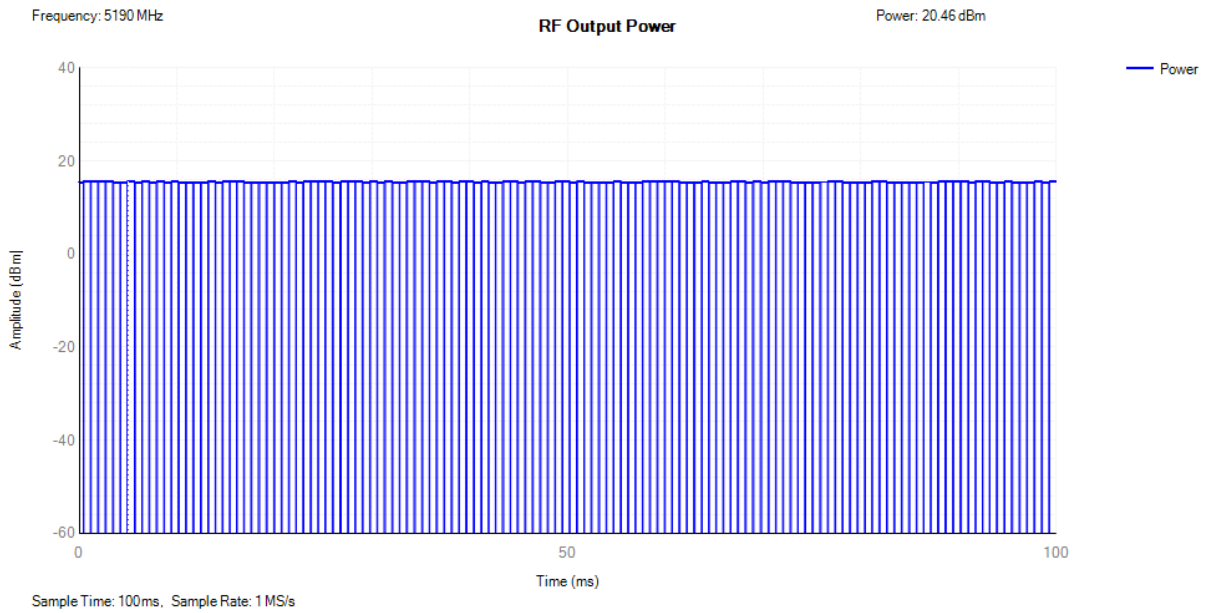
## Power NVHT 802.11ac40 5190MHz



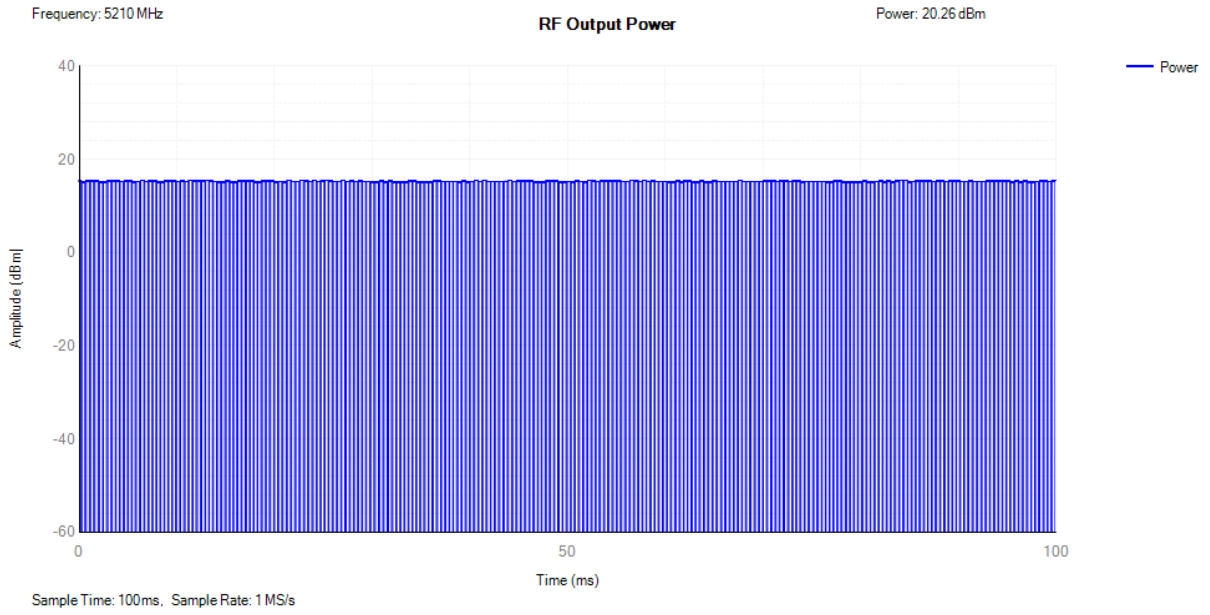
## Power NVLT 802.11ac40 5190MHz



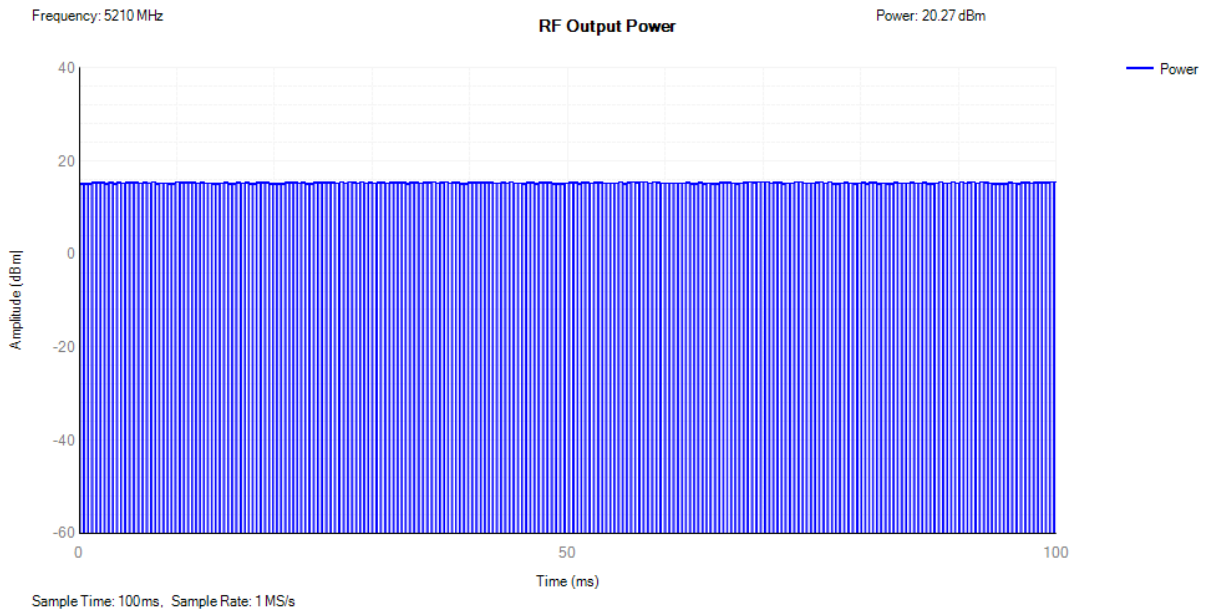
## Power NVNT 802.11ac40 5190MHz



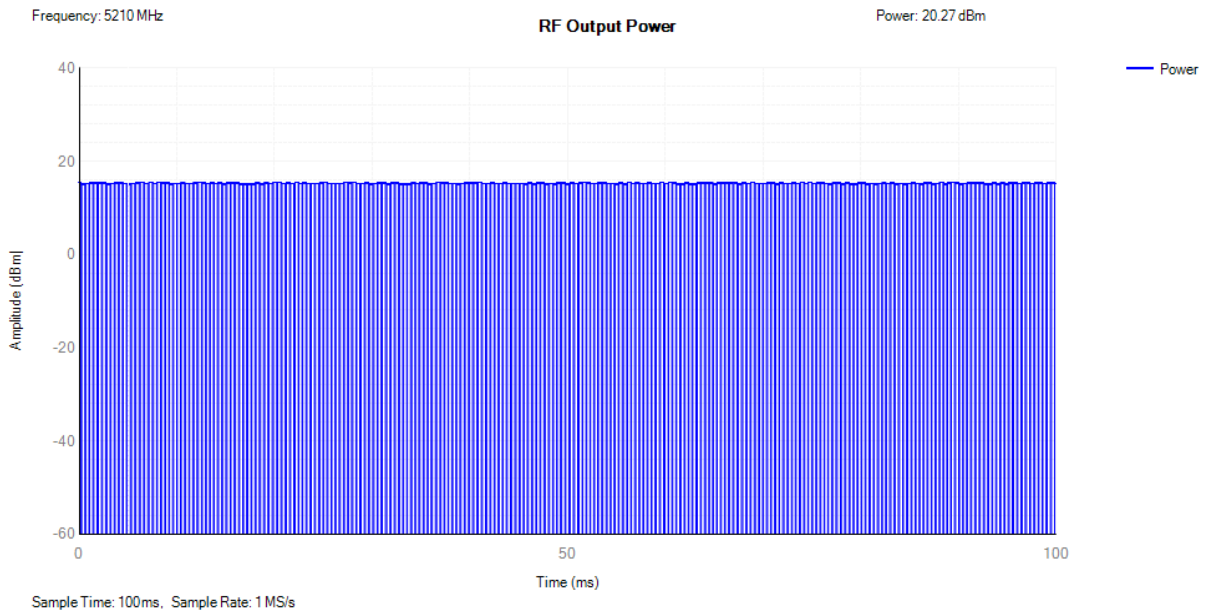
## Power NVHT 802.11ac80 5210MHz



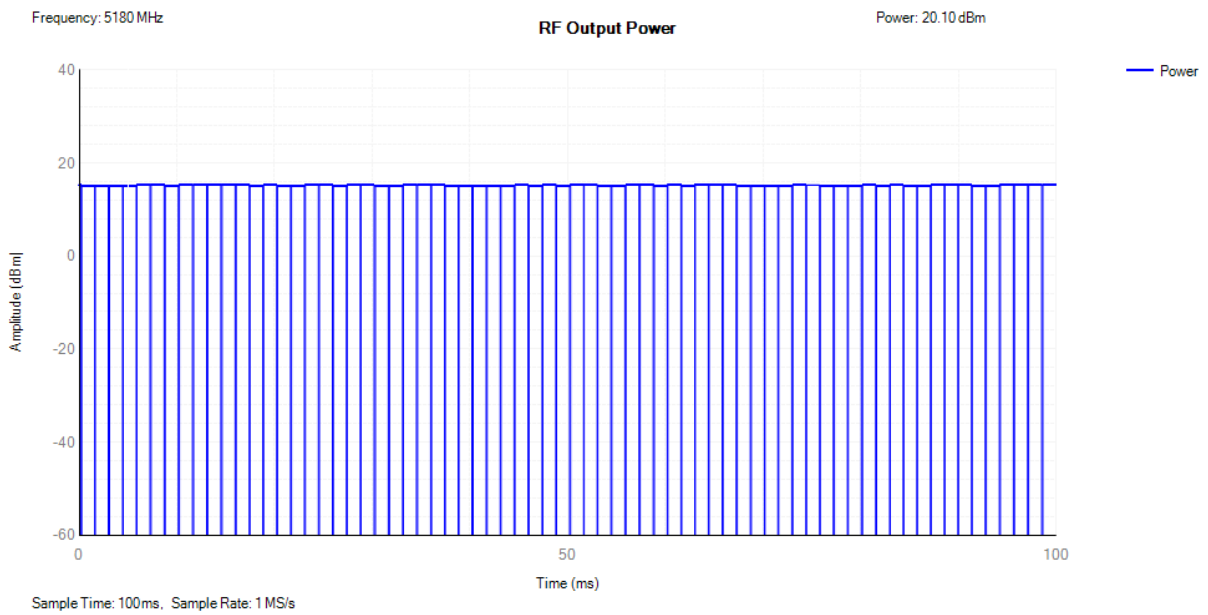
## Power NVLT 802.11ac80 5210MHz



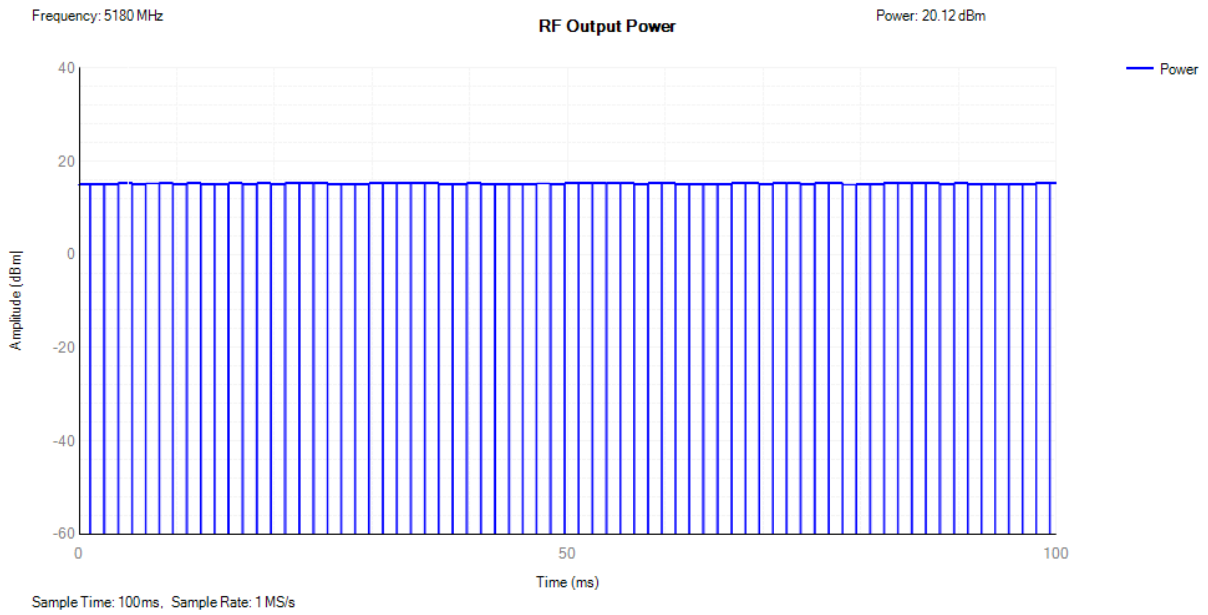
## Power NVNT 802.11ac80 5210MHz



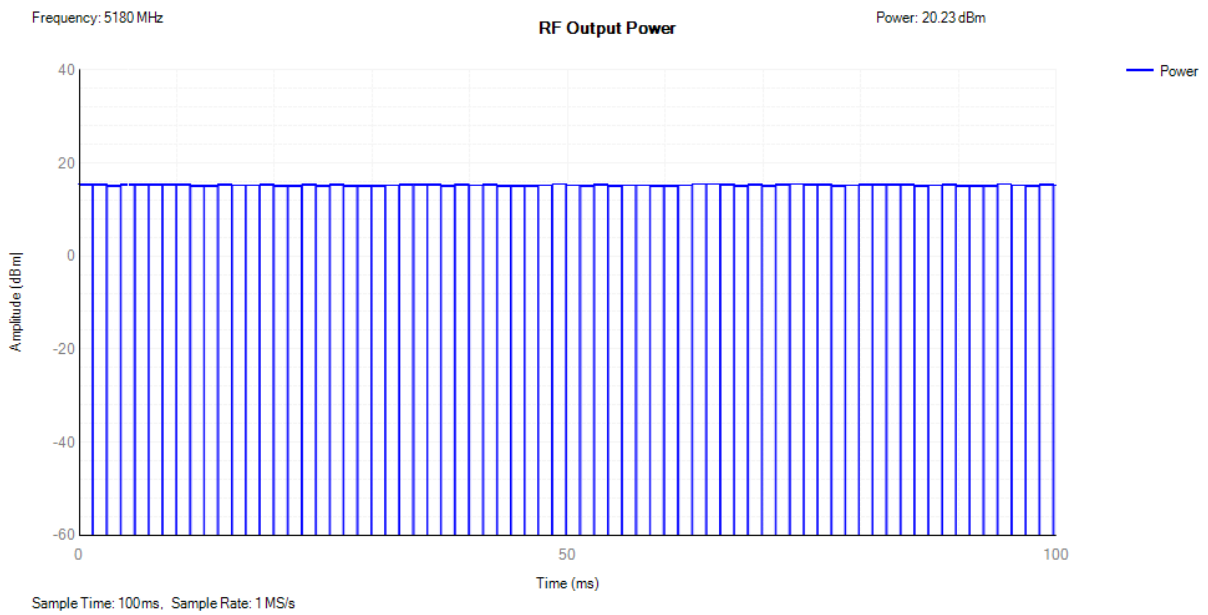
## Power NVHT 802.11n(HT20) 5180MHz



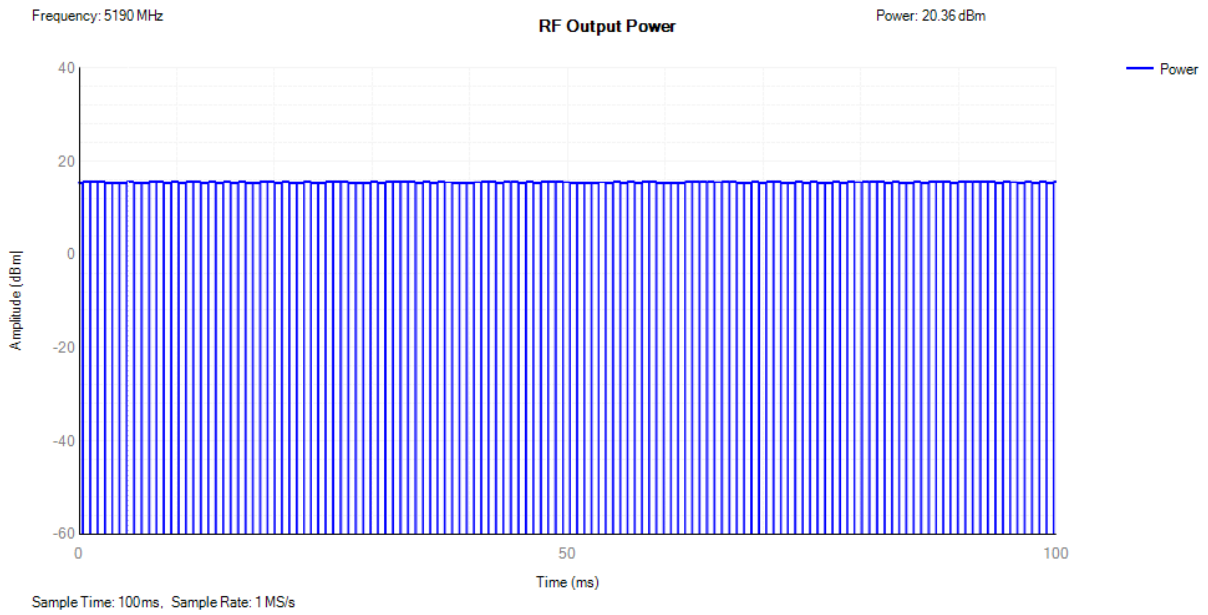
## Power NVLT 802.11n(HT20) 5180MHz



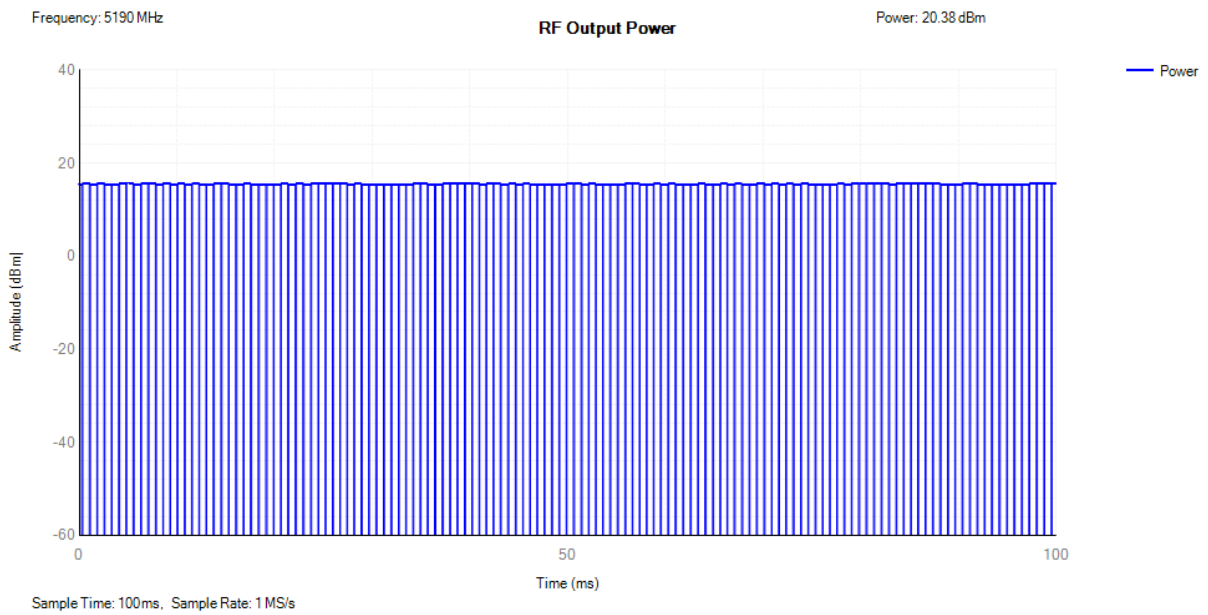
## Power NVNT 802.11n(HT20) 5180MHz



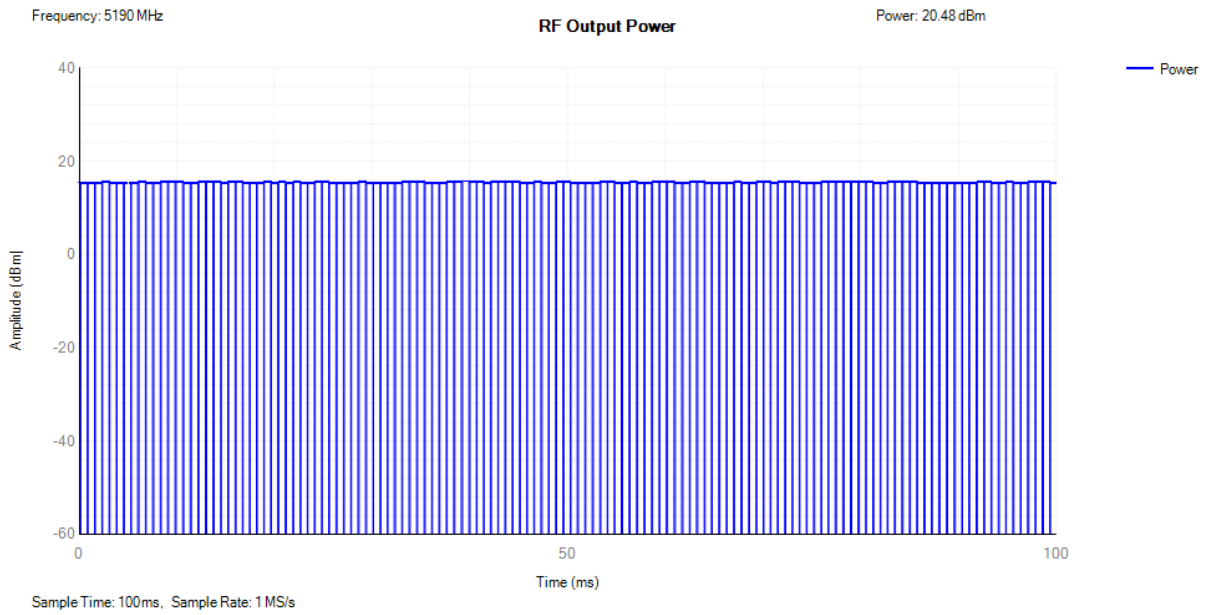
## Power NVHT 802.11n(HT40) 5190MHz



## Power NVLT 802.11n(HT40) 5190MHz



## Power NVNT 802.11n(HT40) 5190MHz

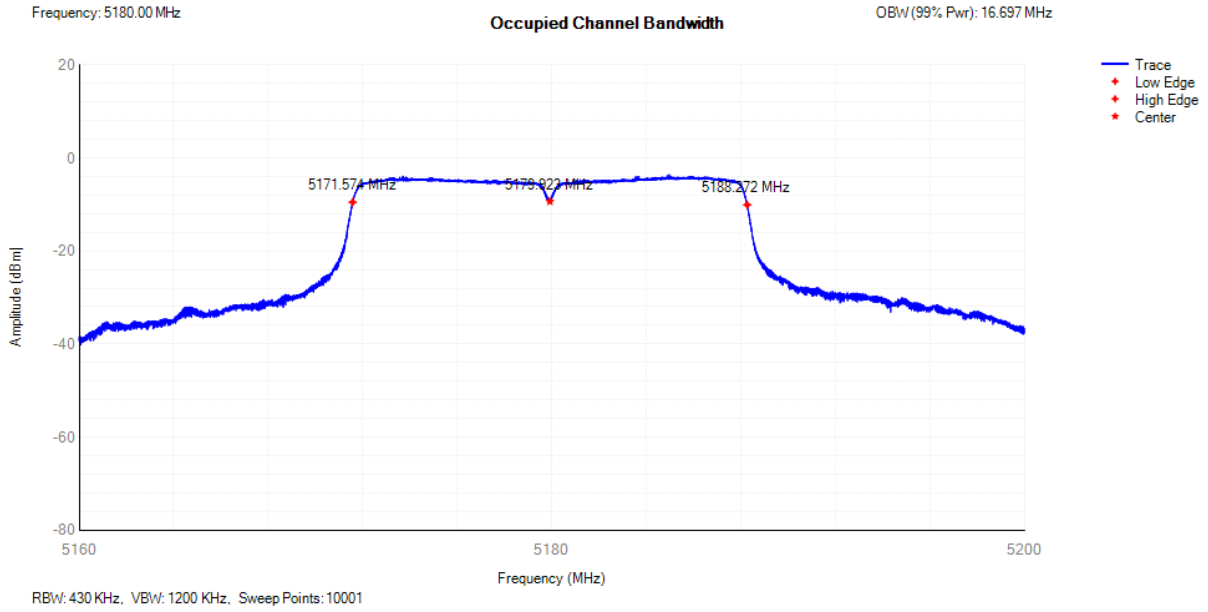


### 5.4.3 Occupied Channel Bandwidth

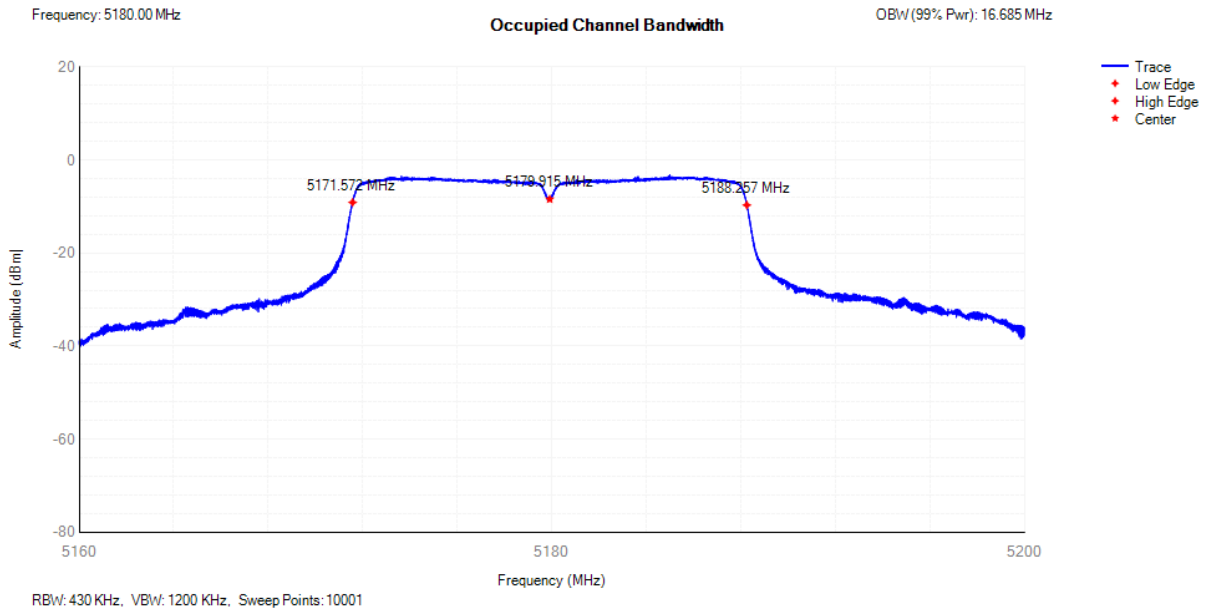
Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Limit (MHz)	Upper Limit(MHz)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	5179.923	16.697	16	20	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	5179.915	16.685	16	20	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	5179.94	17.632	16	20	Pass
NVNT	802.11ac40	5190	5189.953	36.32	32	40	Pass
NVNT	802.11ac80	5210	5209.992	75.709	64	80	Pass
NVNT	802.11n(HT20)	5180	5179.933	17.639	16	20	Pass
NVNT	802.11n(HT40)	5190	5189.951	36.319	32	40	Pass



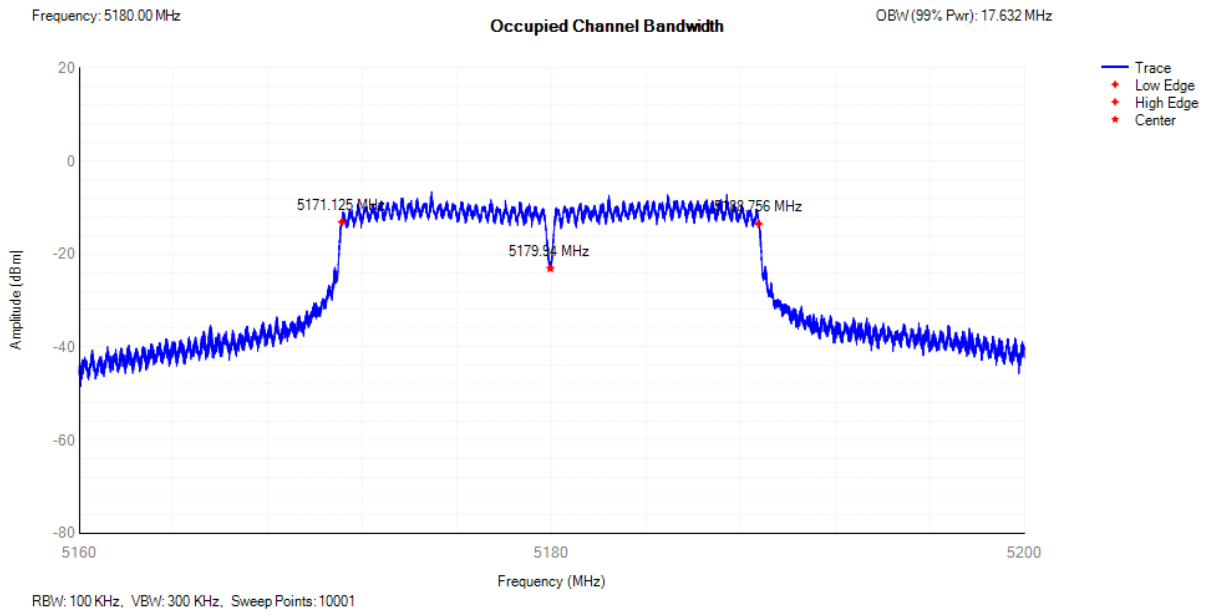
## 802.11a SISO-TX0 OBW NVNT 802.11a 5180MHz



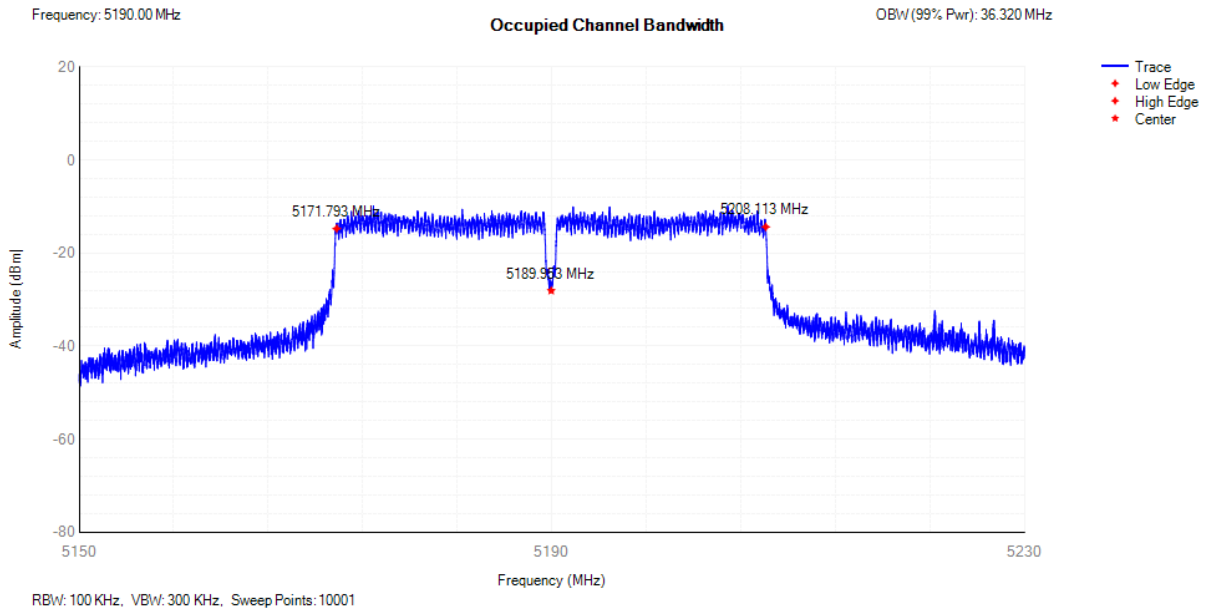
## 802.11a SISO-TX1 OBW NVNT 802.11a 5180MHz



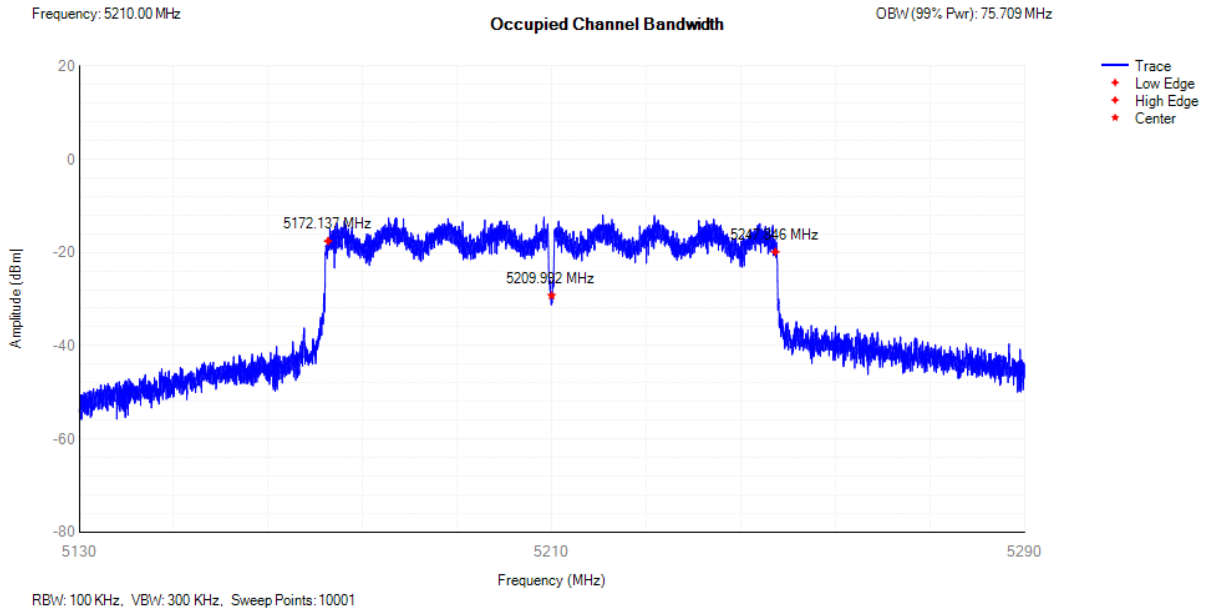
## 802.11n/ac MIMO OBW NVNT 802.11ac20 5180MHz



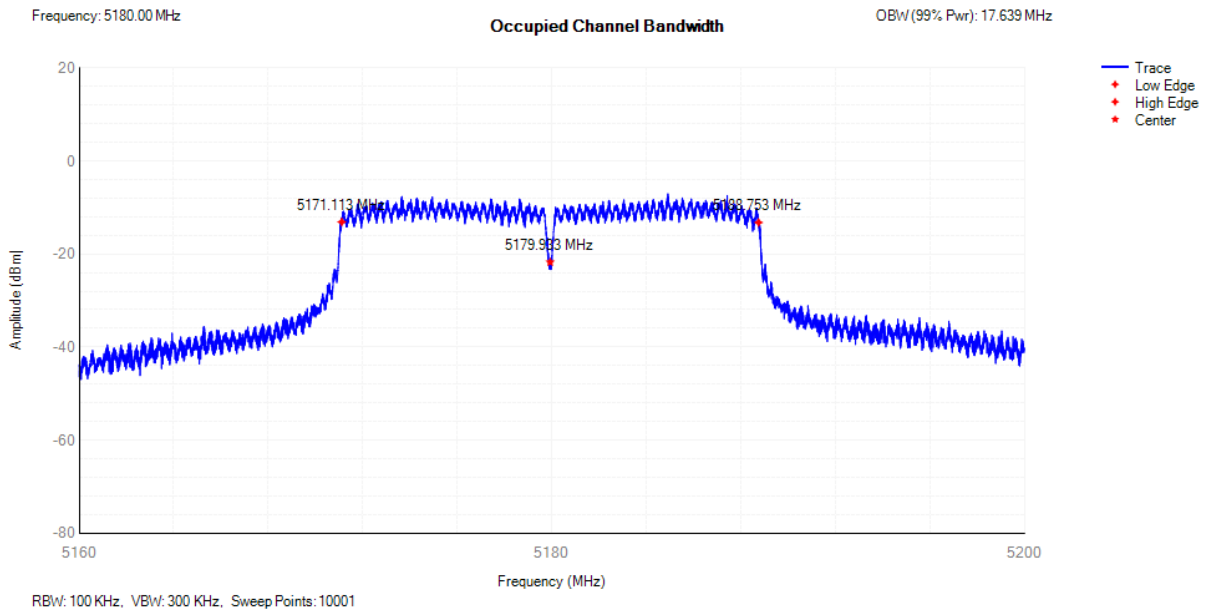
## OBW NVNT 802.11ac40 5190MHz



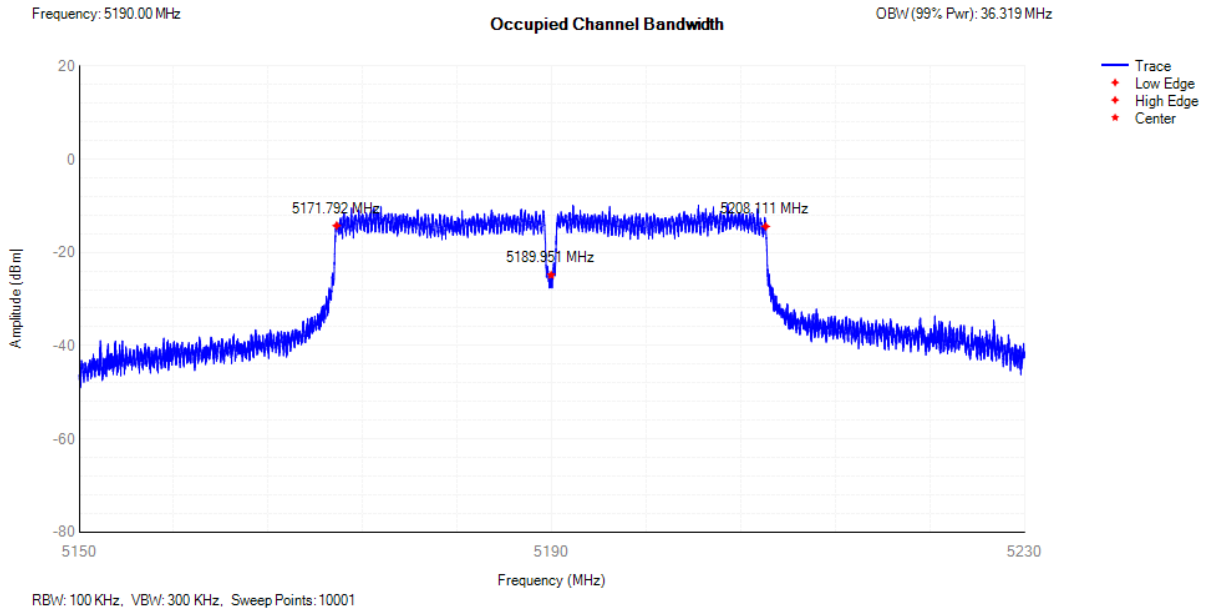
## OBW NVNT 802.11ac80 5210MHz



## OBW NVNT 802.11n(HT20) 5180MHz



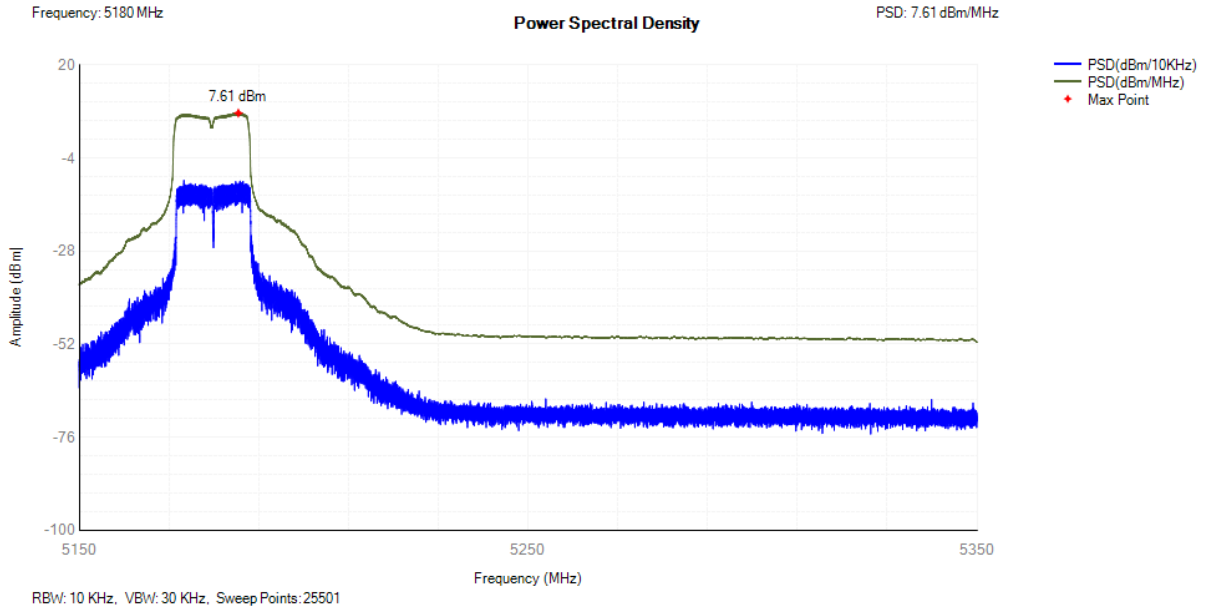
## OBW NVNT 802.11n(HT40) 5190MHz



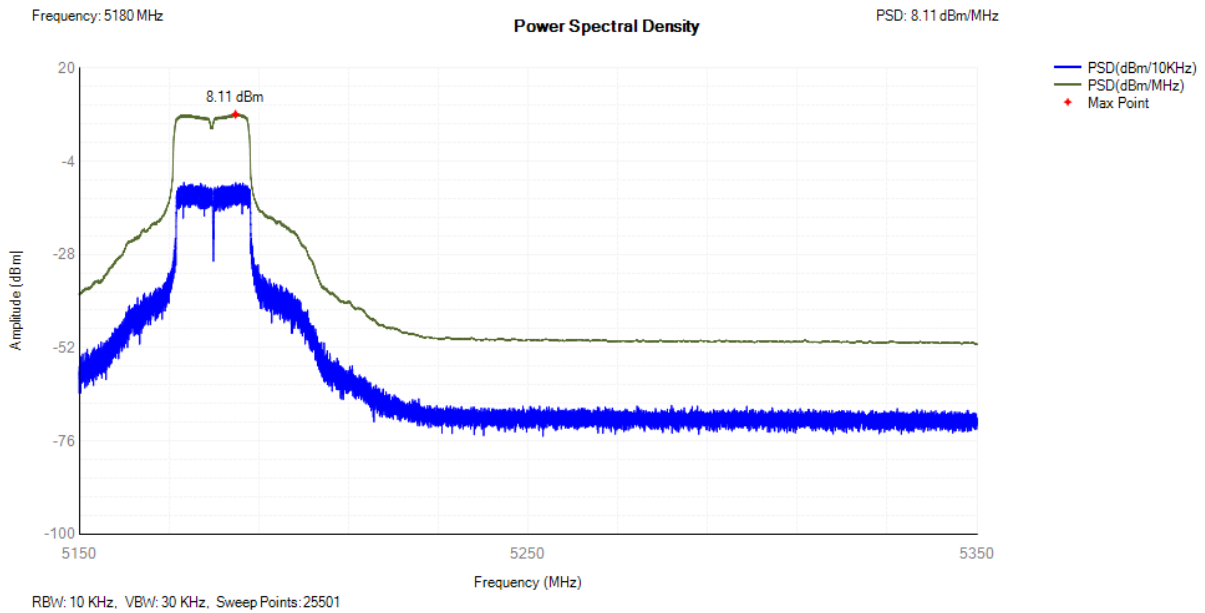
### 5.4.4 Power Spectral Density

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
<b>802.11a SISO-TX0</b>					
NVNT	802.11a	5180	7.61	10	Pass
<b>802.11a SISO-TX1</b>					
NVNT	802.11a	5180	8.11	10	Pass
<b>802.11n/ac MIMO</b>					
NVNT	802.11ac20	5180	7.46	10	Pass
NVNT	802.11ac40	5190	4.79	10	Pass
NVNT	802.11ac80	5210	2.76	10	Pass
NVNT	802.11n(HT20)	5180	7.54	10	Pass
NVNT	802.11n(HT40)	5190	4.86	10	Pass

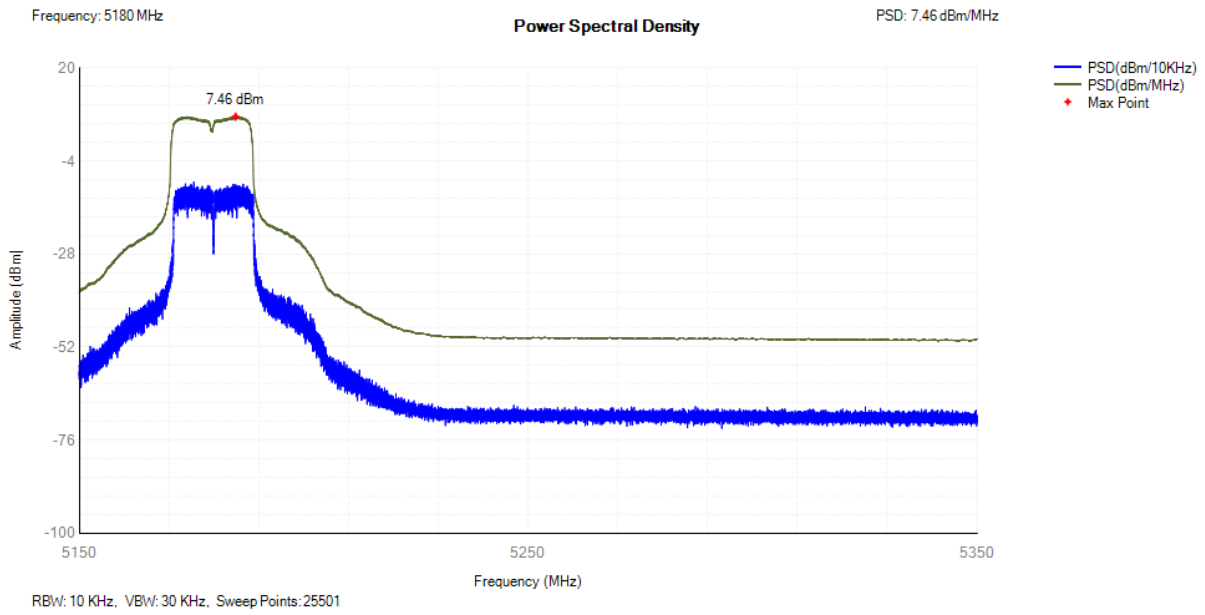
## 802.11a SISO-TX0 PSD NVNT 802.11a 5180MHz



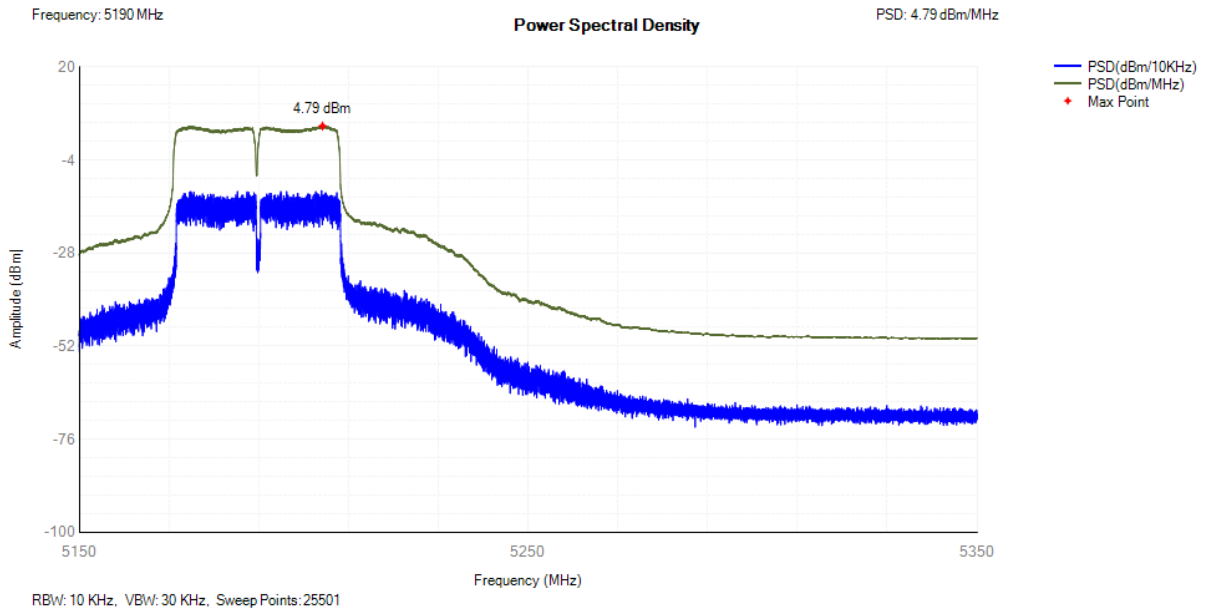
## 802.11a SISO-TX1 PSD NVNT 802.11a 5180MHz



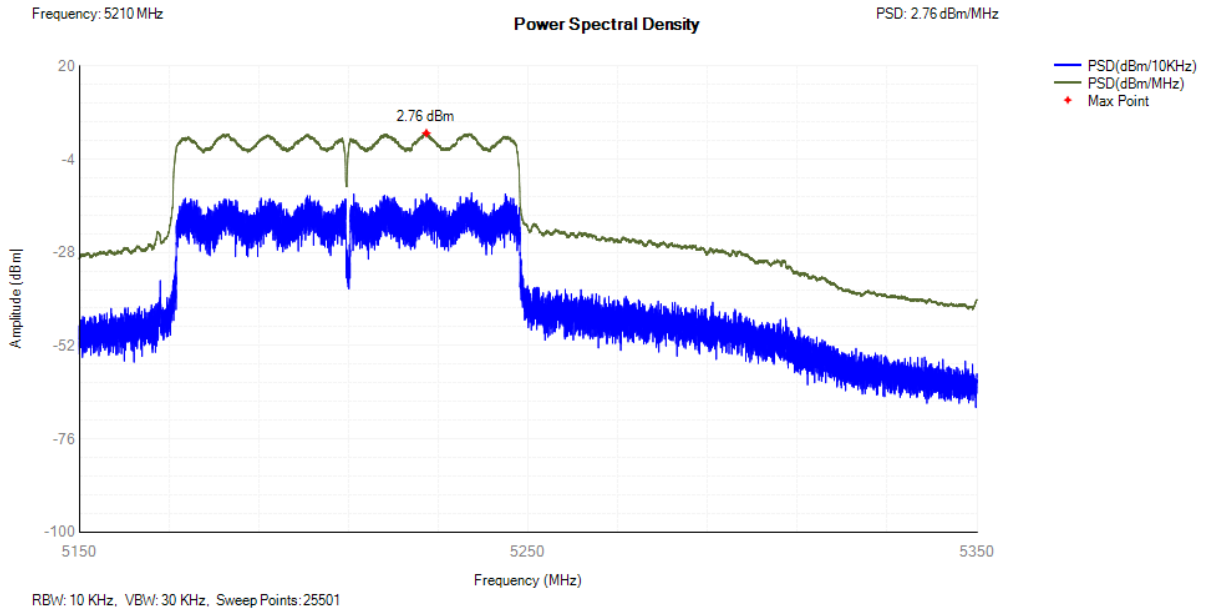
## 802.11n/ac MIMO PSD NVNT 802.11ac20 5180MHz



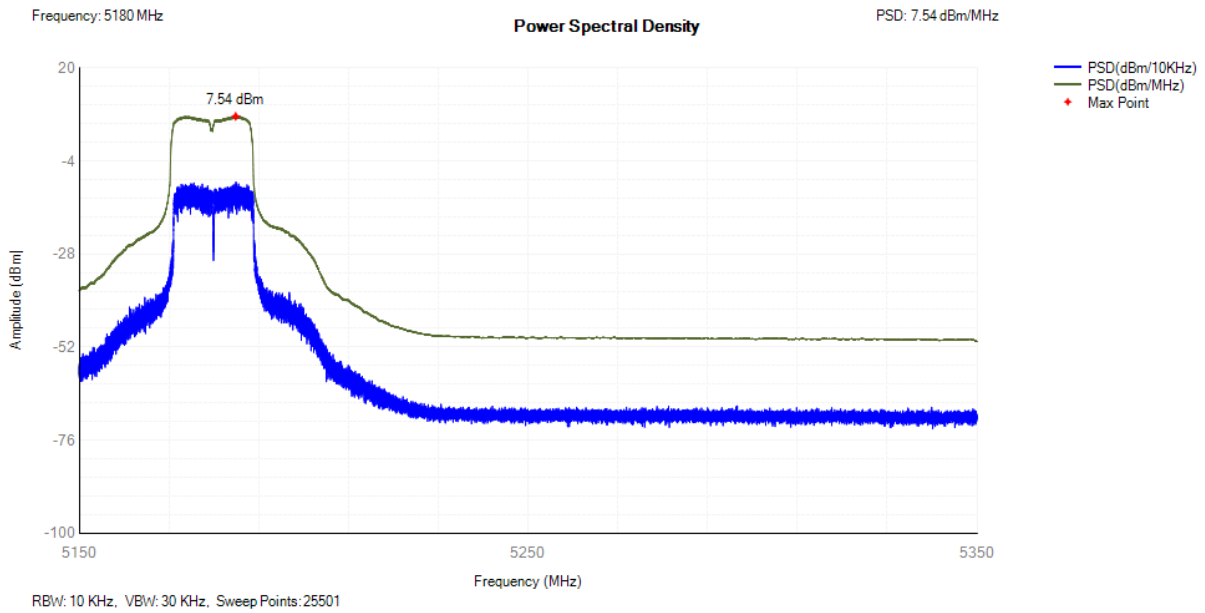
## PSD NVNT 802.11ac40 5190MHz



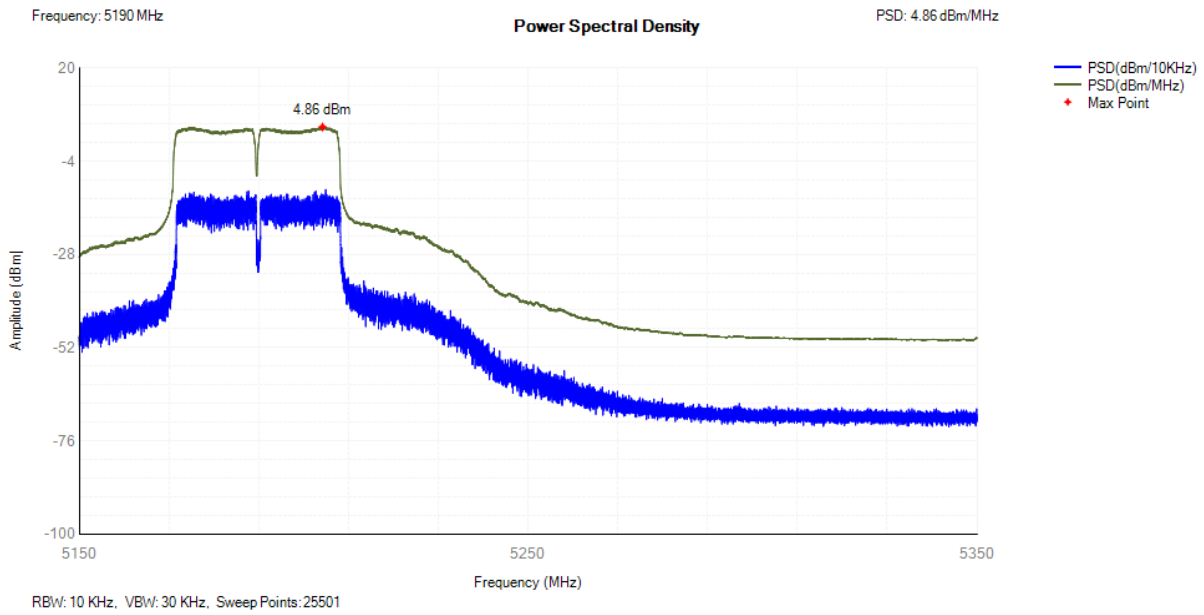
## PSD NVNT 802.11ac80 5210MHz



## PSD NVNT 802.11n(HT20) 5180MHz



## PSD NVNT 802.11n(HT40) 5190MHz



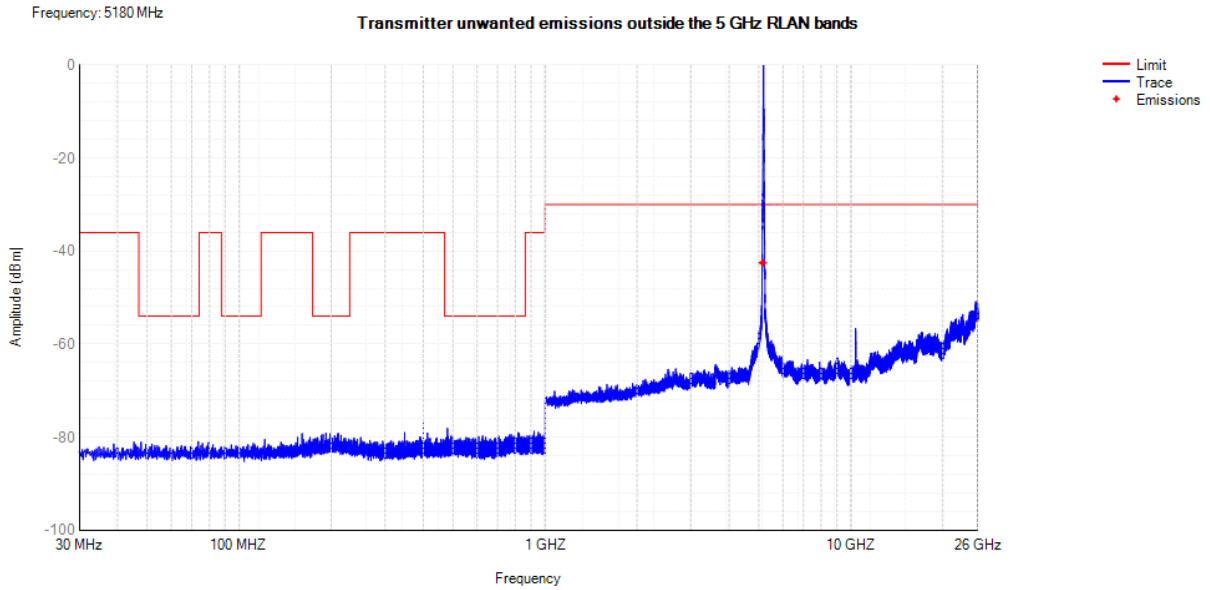
### 5.4.5 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	1000 MHz -5150 MHz	5148	-42.54	-30	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	470 MHz -862 MHz	831.3	-90.44	-54	Pass
NVNT	802.11a	5180	1000 MHz -5150 MHz	5148	-44.43	-30	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	1000 MHz -5150 MHz	5149	-40.35	-30	Pass
NVNT	802.11ac40	5190	1000 MHz -5150 MHz	5144	-33.24	-30	Pass
NVNT	802.11ac80	5210	1000 MHz -5150 MHz	5144	-31.77	-30	Pass
NVNT	802.11ac80	5210	5350 MHz -5470 MHz	5353	-46.37	-30	Pass
NVNT	802.11n(HT20)	5180	470 MHz -862 MHz	829.9	-87.18	-30	Pass
NVNT	802.11n(HT40)	5190	1000 MHz -5150 MHz	5147	-41.92	-30	Pass



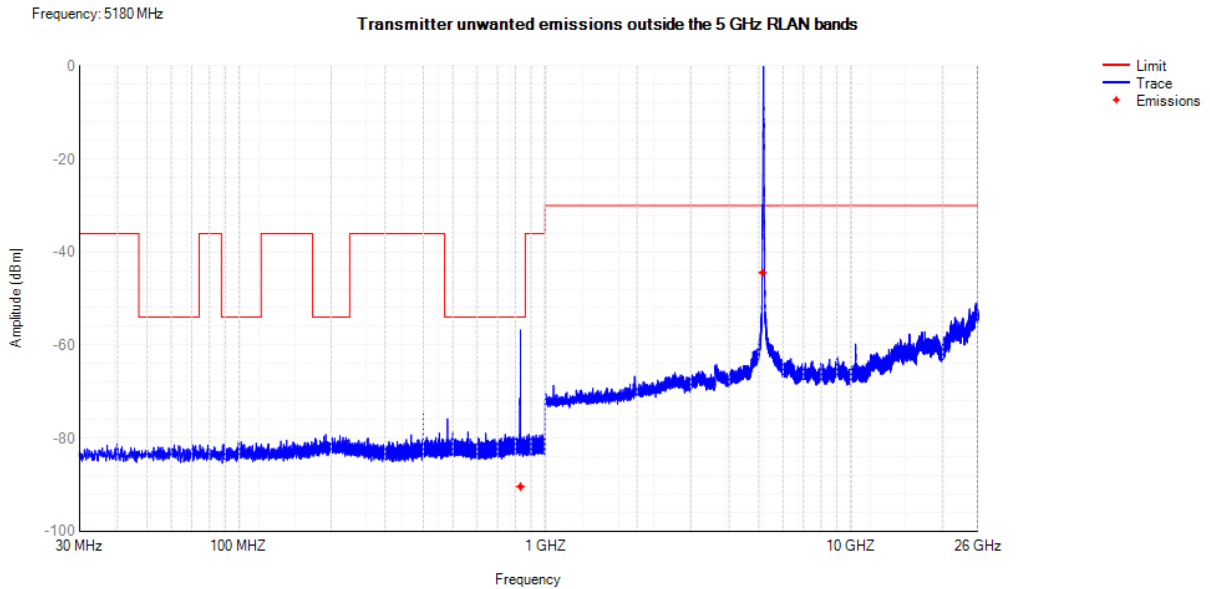
## 802.11a SISO-TX0

Tx. Spurious NVNT 802.11a 5180MHz



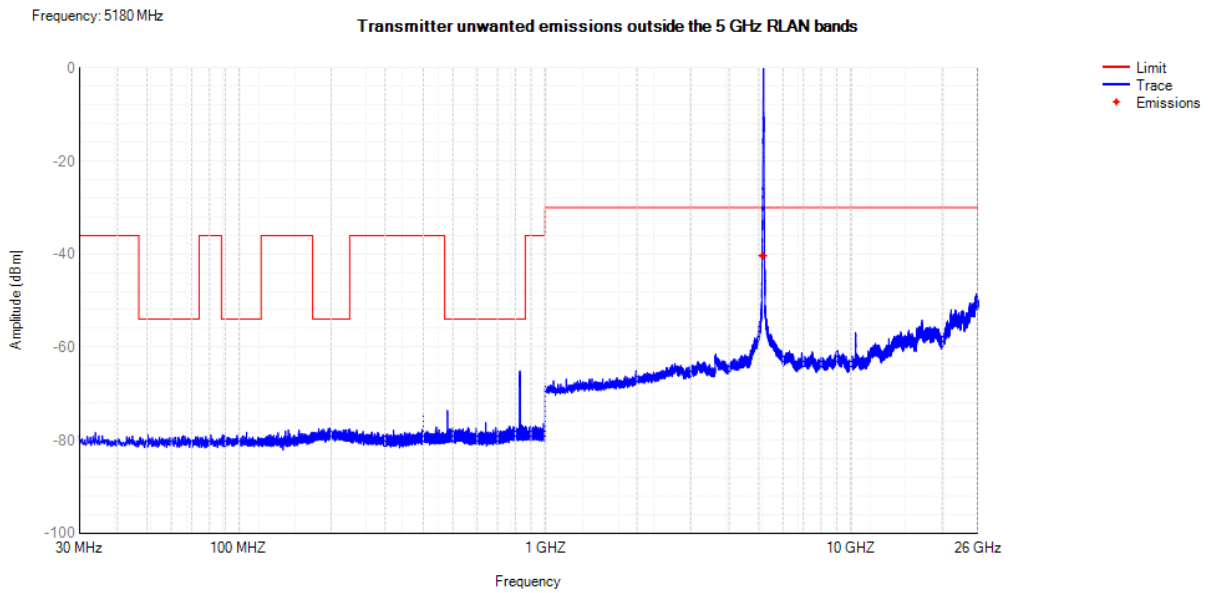
## 802.11a SISO-TX1

Tx. Spurious NVNT 802.11a 5180MHz

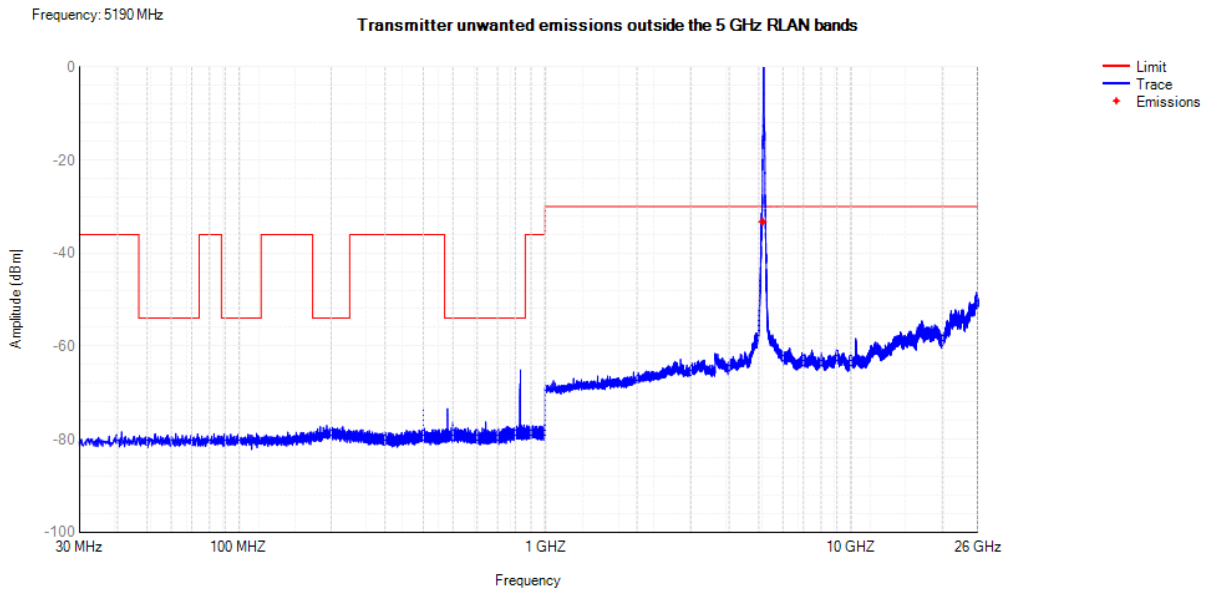


## 802.11n/ac MIMO

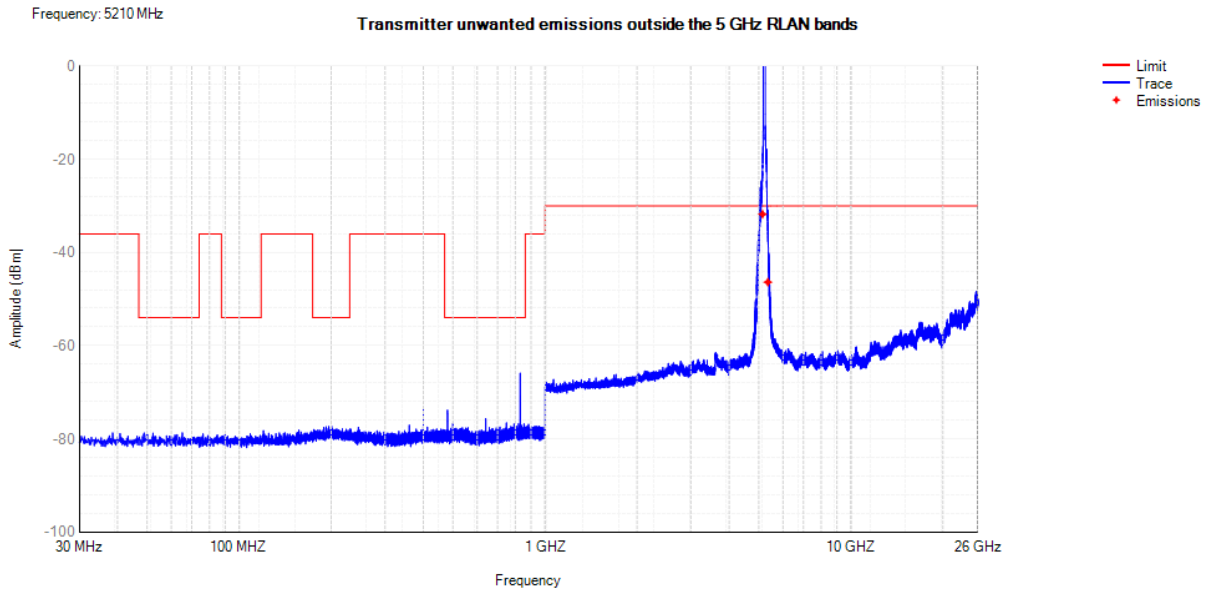
Tx. Spurious NVNT 802.11ac20 5180MHz



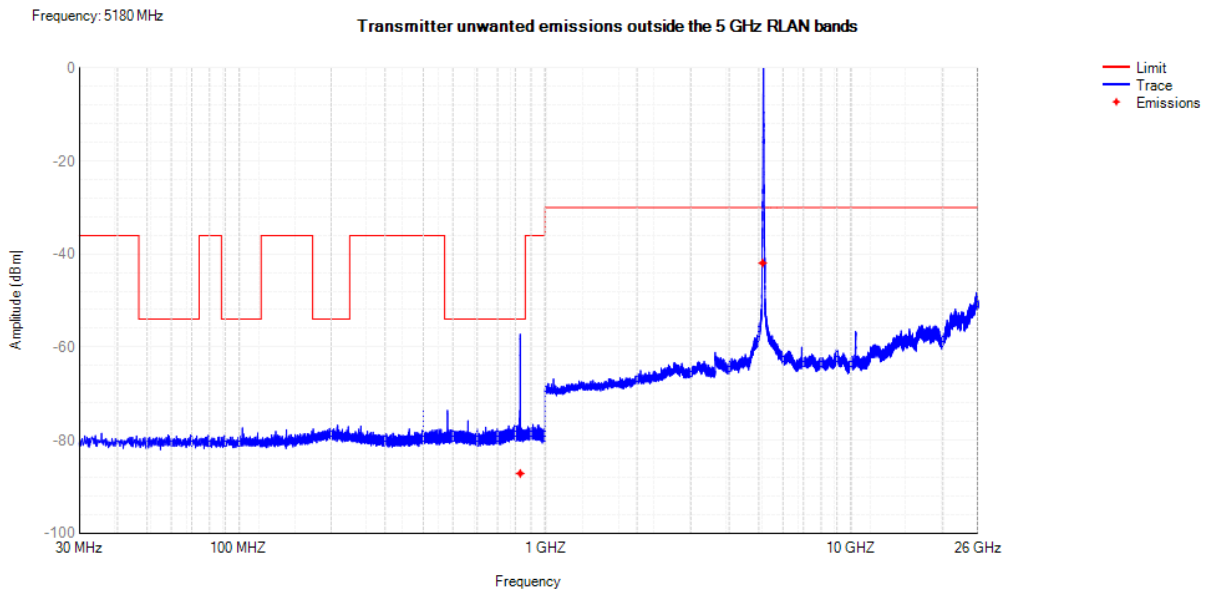
Tx. Spurious NVNT 802.11ac40 5190MHz



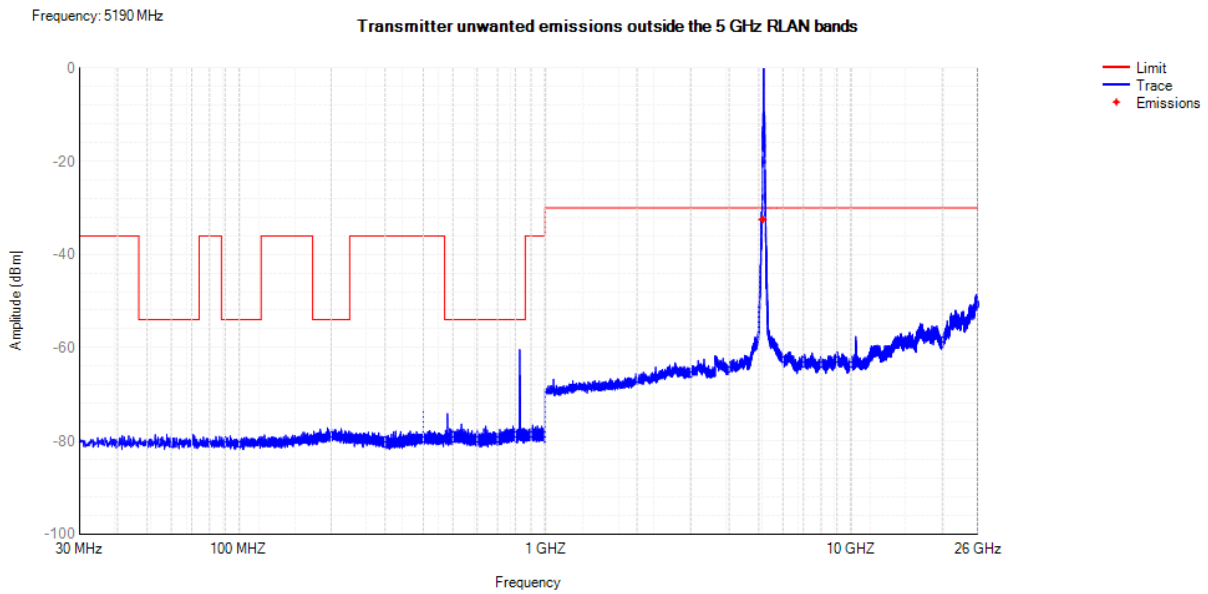
### Tx. Spurious NVNT 802.11ac80 5210MHz



### Tx. Spurious NVNT 802.11n(HT20) 5180MHz



Tx. Spurious NVNT 802.11n(HT40) 5190MHz

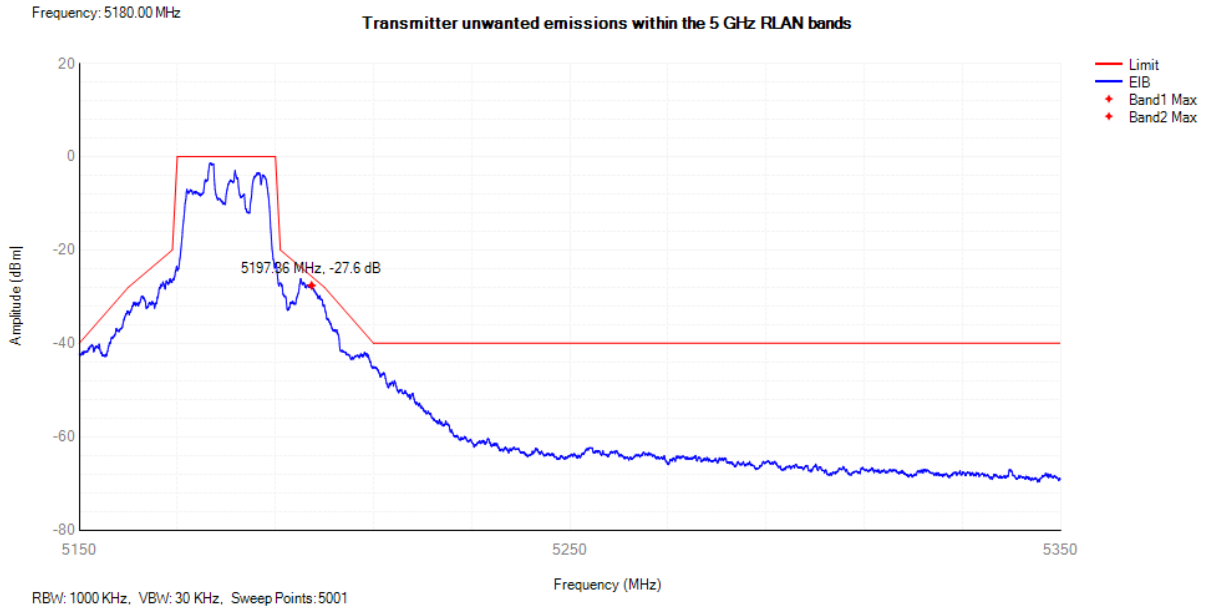


### 5.4.6 Transmitter unwanted emissions within the 5 GHz WLAN bands

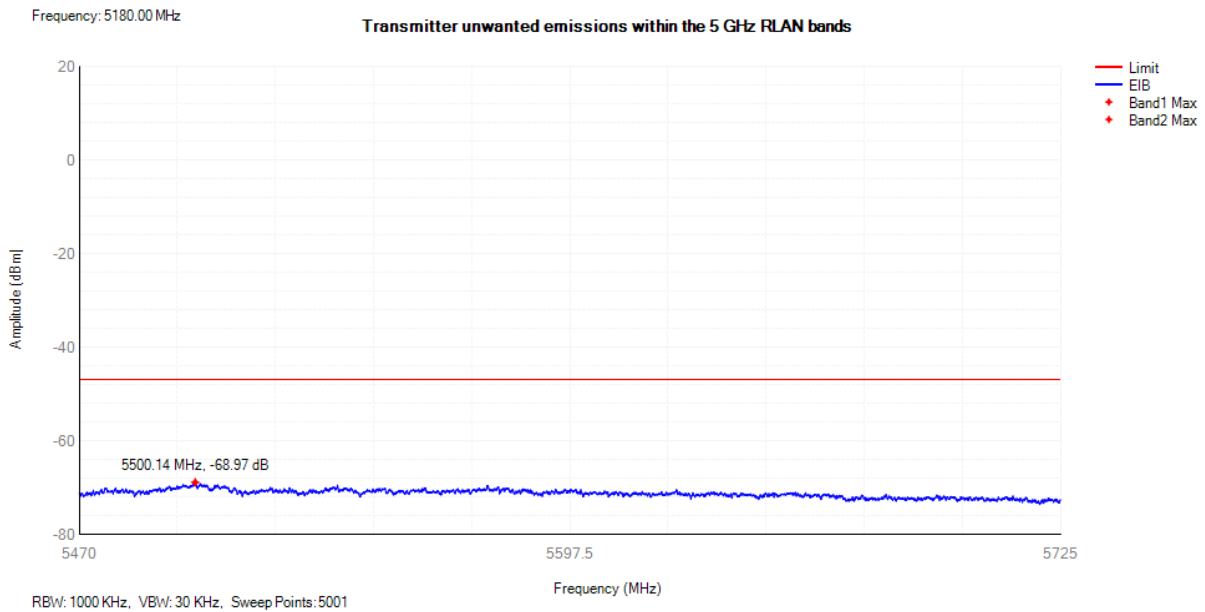
Condition	Mode	Frequency (MHz)	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	Band1	5197.36	-27.6	-25.65	Pass
NVNT	802.11a	5180	Band2	5500.14	-68.97	-47	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	Band1	5197.4	-27.6	-25.68	Pass
NVNT	802.11a	5180	Band2	5490.86	-69.89	-47	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	Band1	5197.08	-26.32	-25.4	Pass
NVNT	802.11ac20	5180	Band2	5489.99	-69.24	-47	Pass
NVNT	802.11ac40	5190	Band1	5220.8	-25.75	-23.91	Pass
NVNT	802.11ac40	5190	Band2	5645.54	-69.13	-47	Pass
NVNT	802.11ac80	5210	Band1	5287.16	-30.99	-27.36	Pass
NVNT	802.11ac80	5210	Band2	5470.31	-66.58	-40	Pass
NVNT	802.11n(HT20)	5180	Band1	5201.32	-31.96	-29.58	Pass
NVNT	802.11n(HT20)	5180	Band2	5495.4	-69.11	-47	Pass
NVNT	802.11n(HT40)	5190	Band1	5234.88	-31.01	-30.92	Pass
NVNT	802.11n(HT40)	5190	Band2	5623.46	-69.03	-47	Pass

## 802.11a SISO-TX0

### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

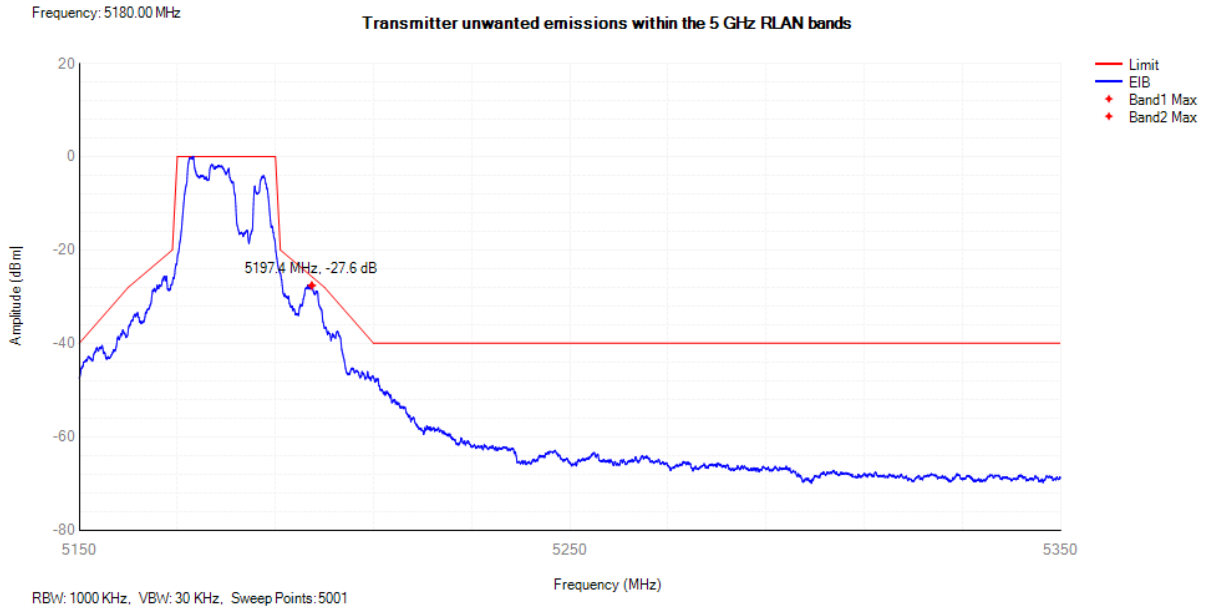


### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2

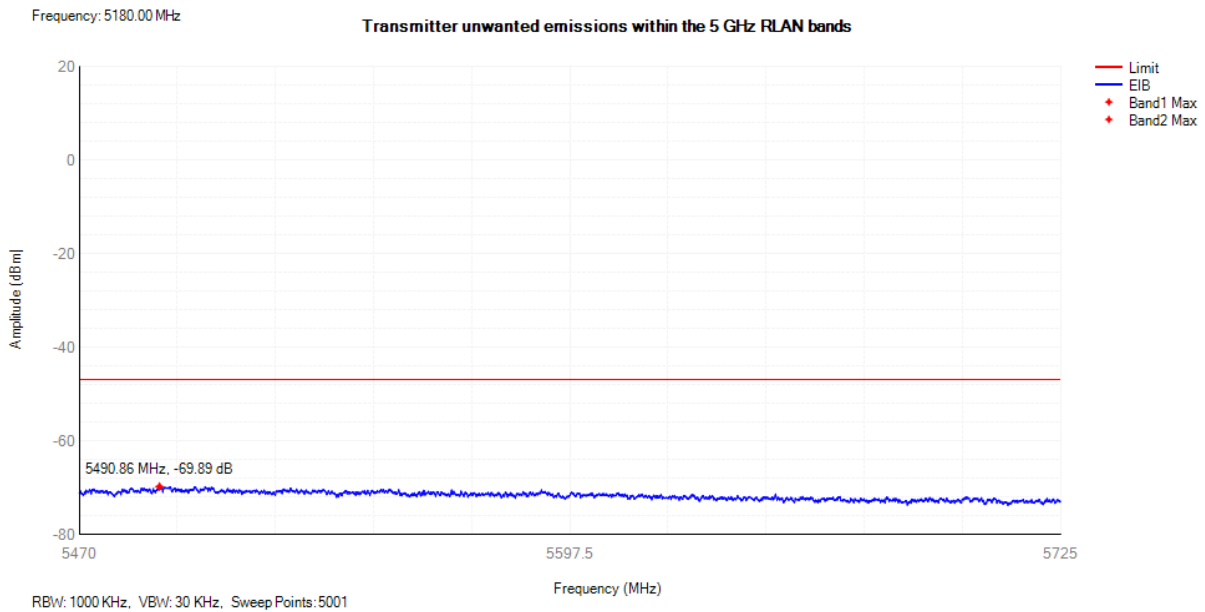


## 802.11a SISO-TX1

### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

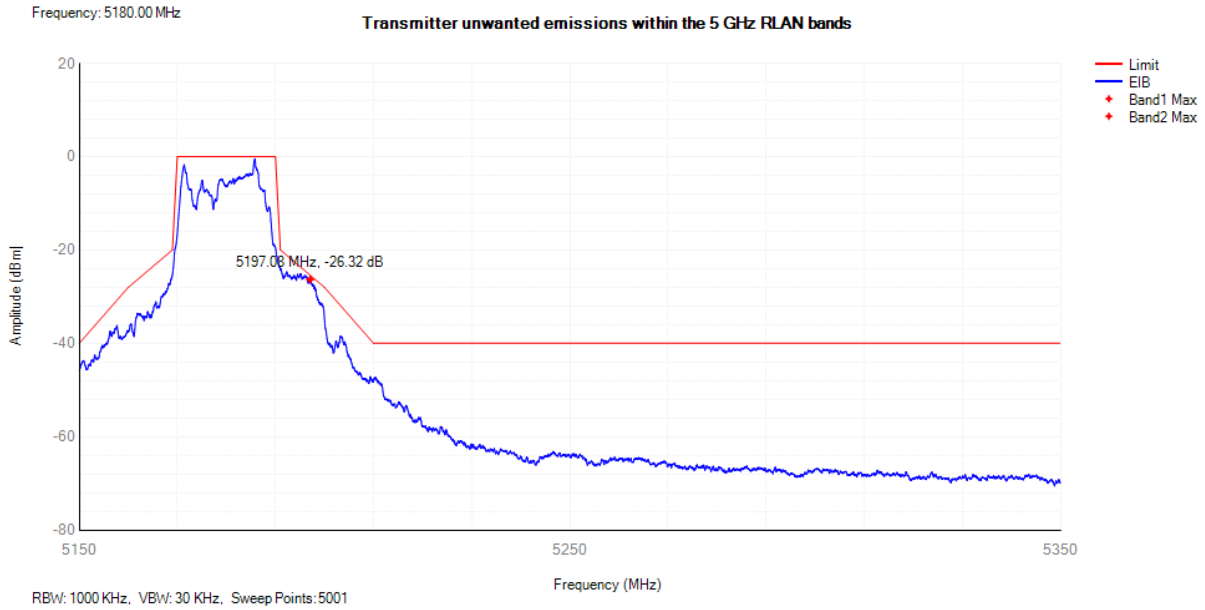


### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2

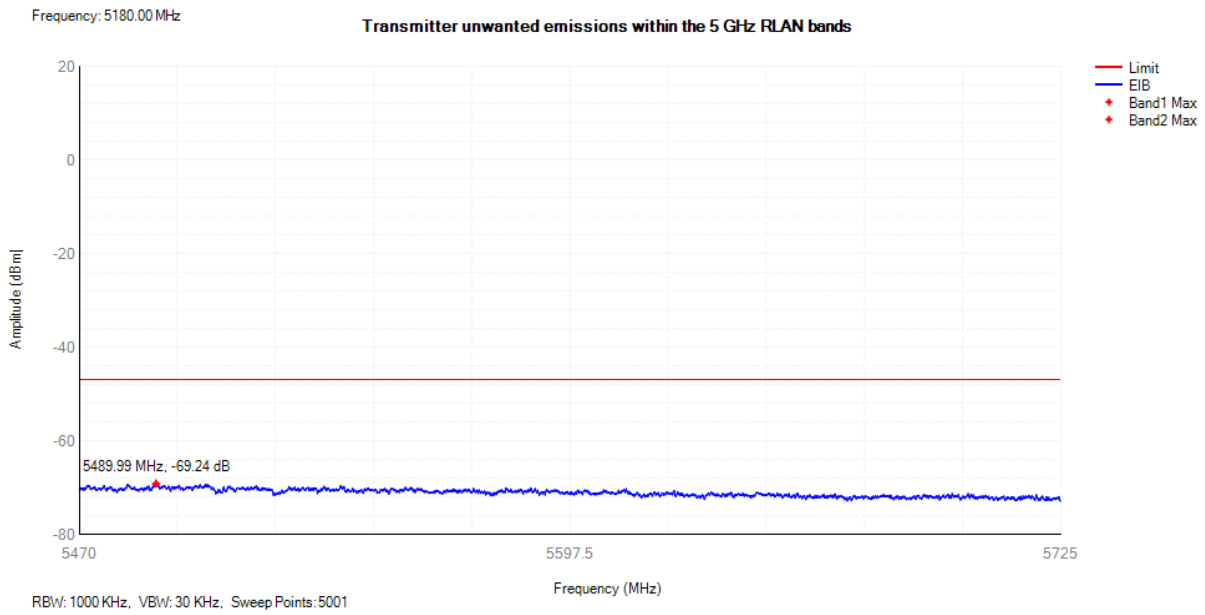


## 802.11n/ac MIMO

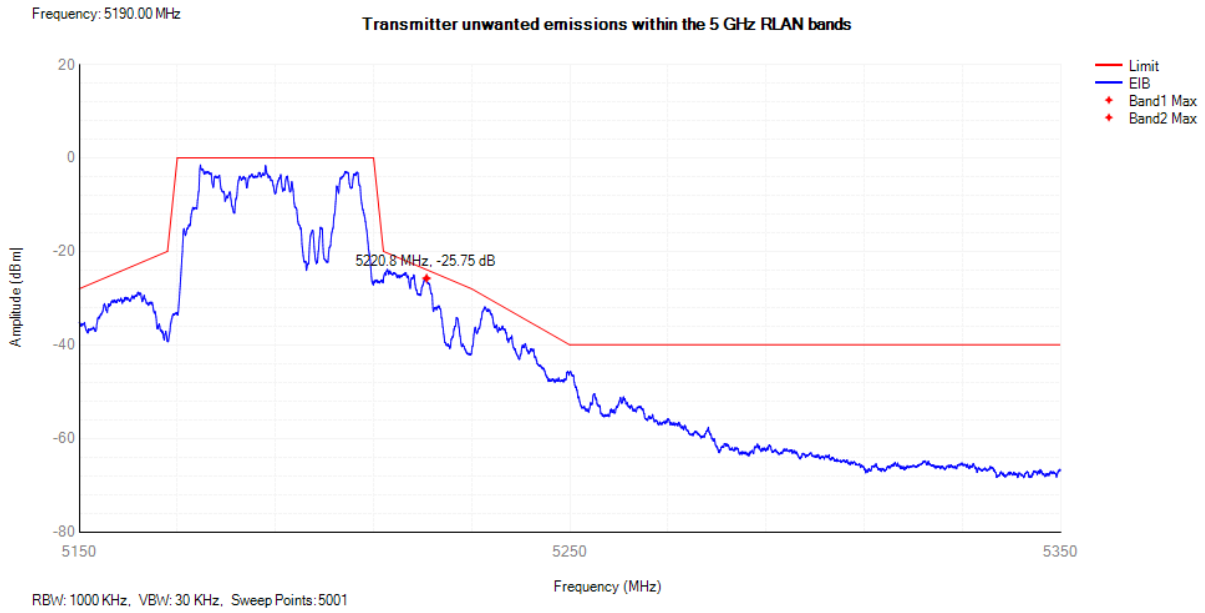
### Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band1



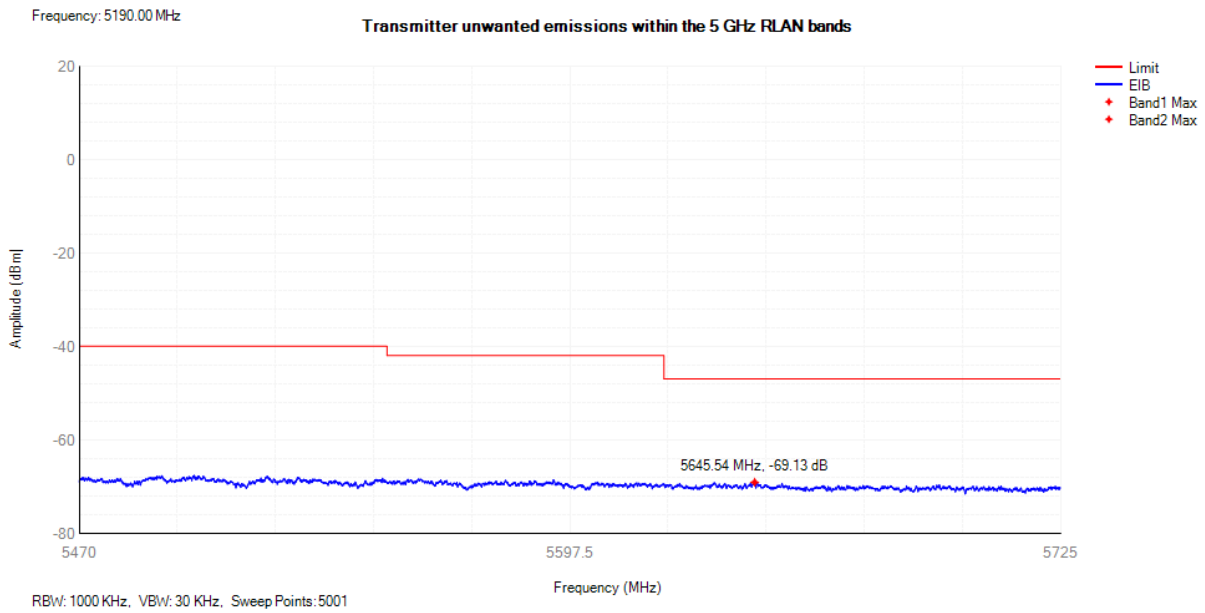
### Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band2



## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band1

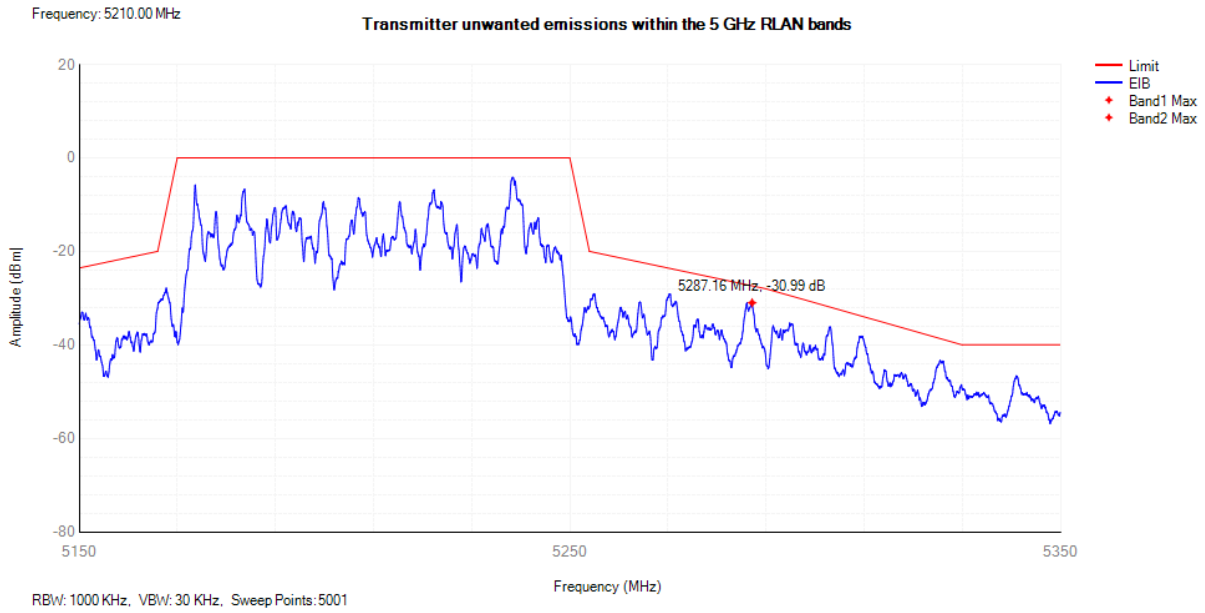


## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band2

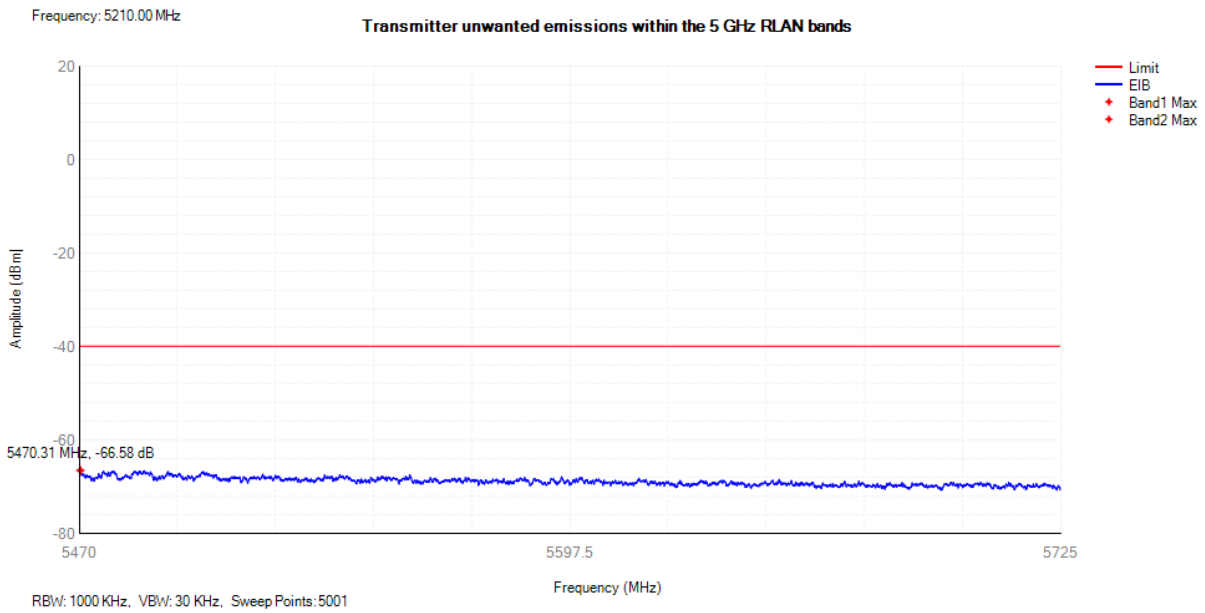




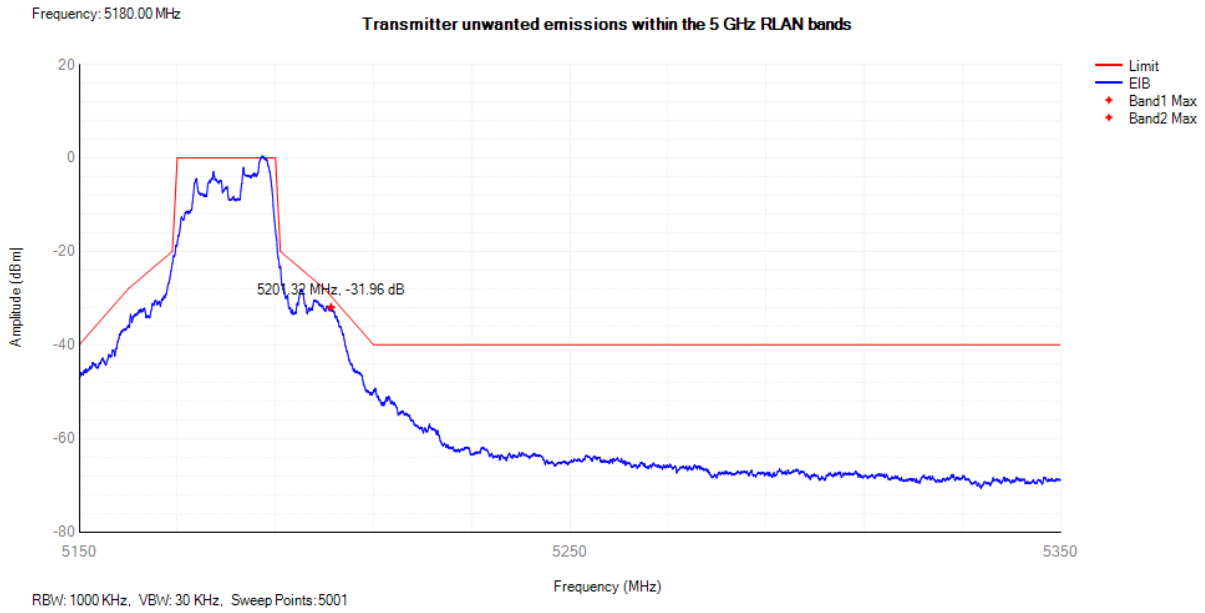
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band1



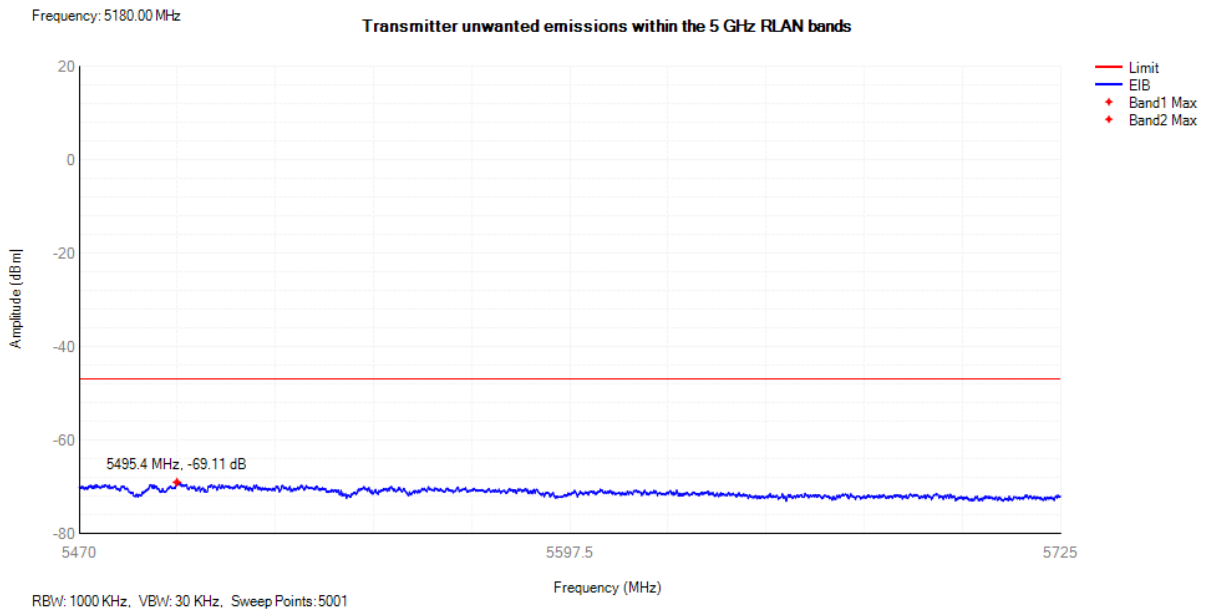
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band2



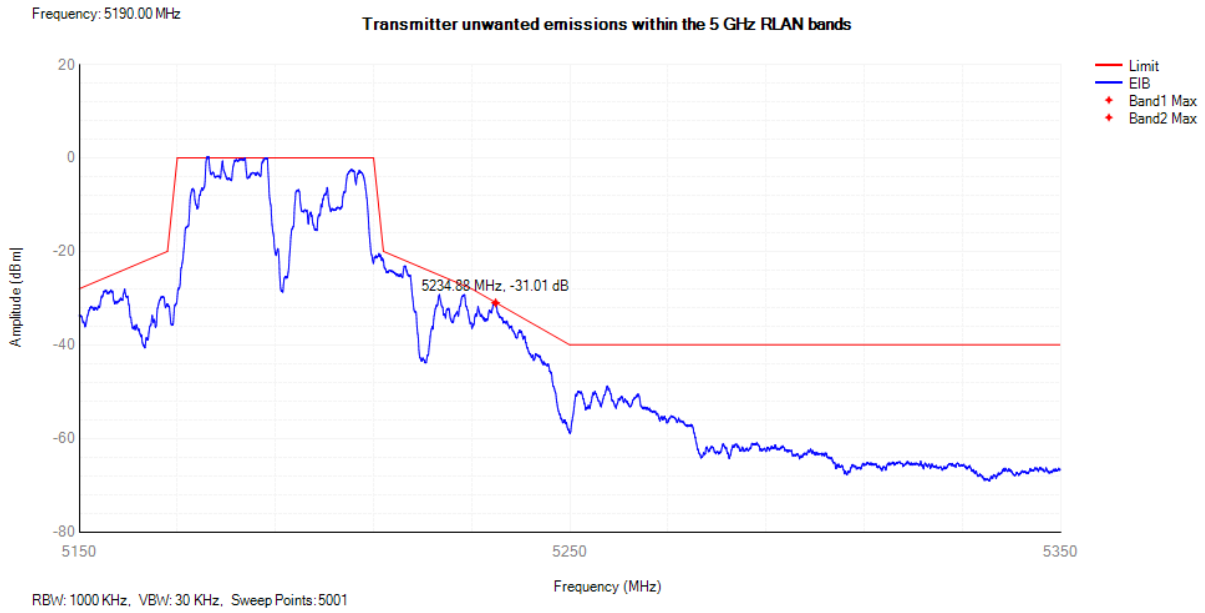
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band1



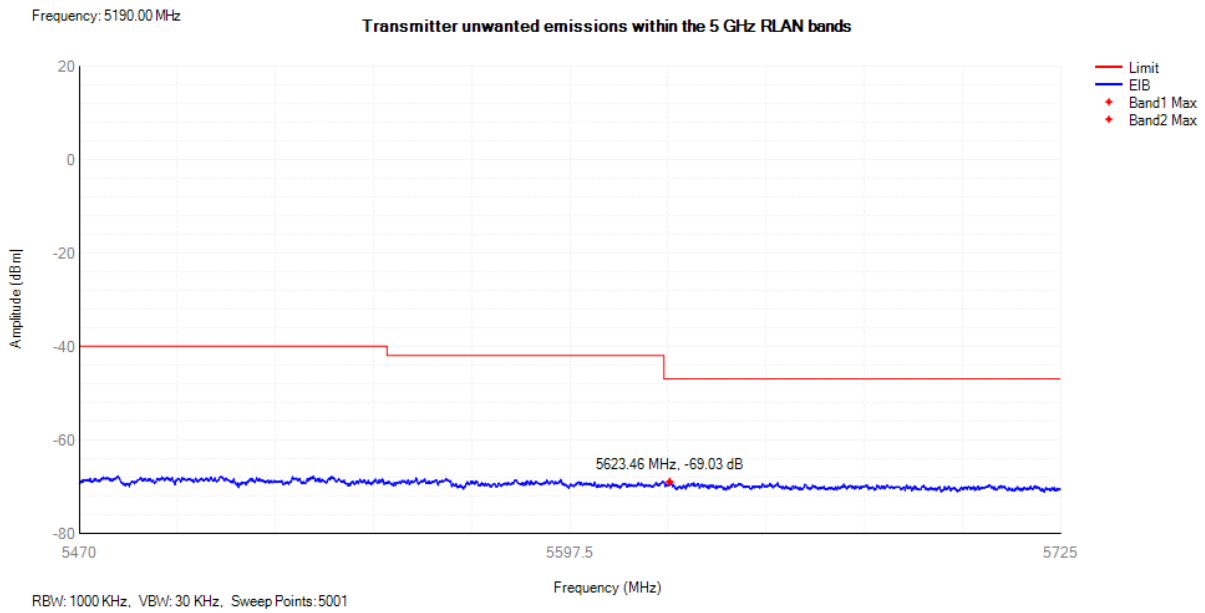
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band2



## Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band1



## Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band2

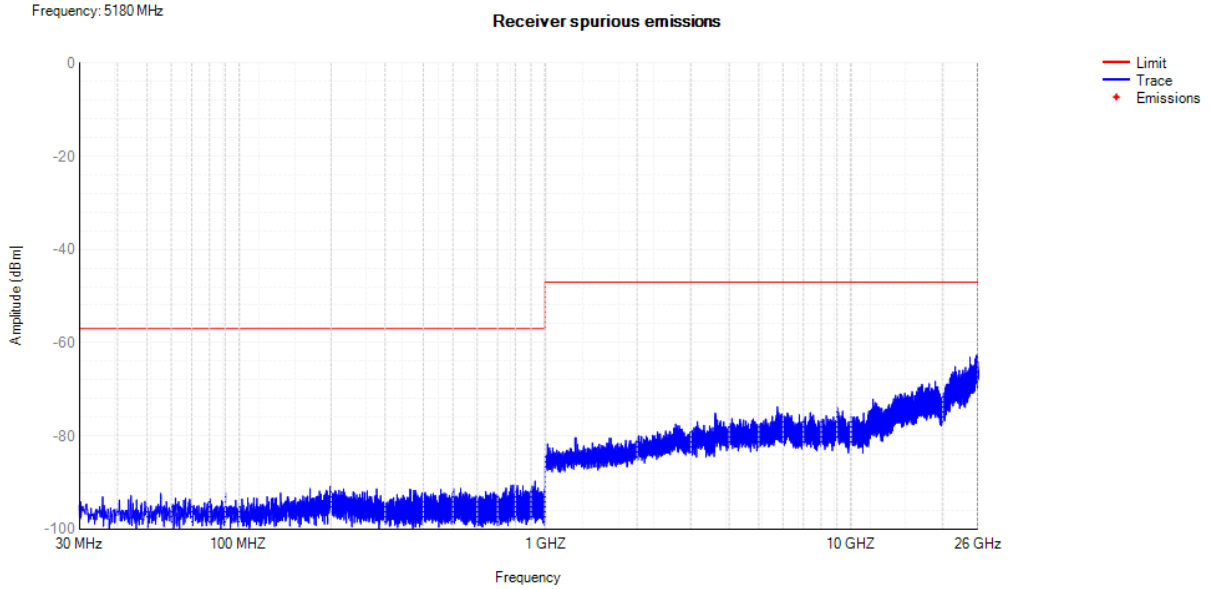


## 5.4.7 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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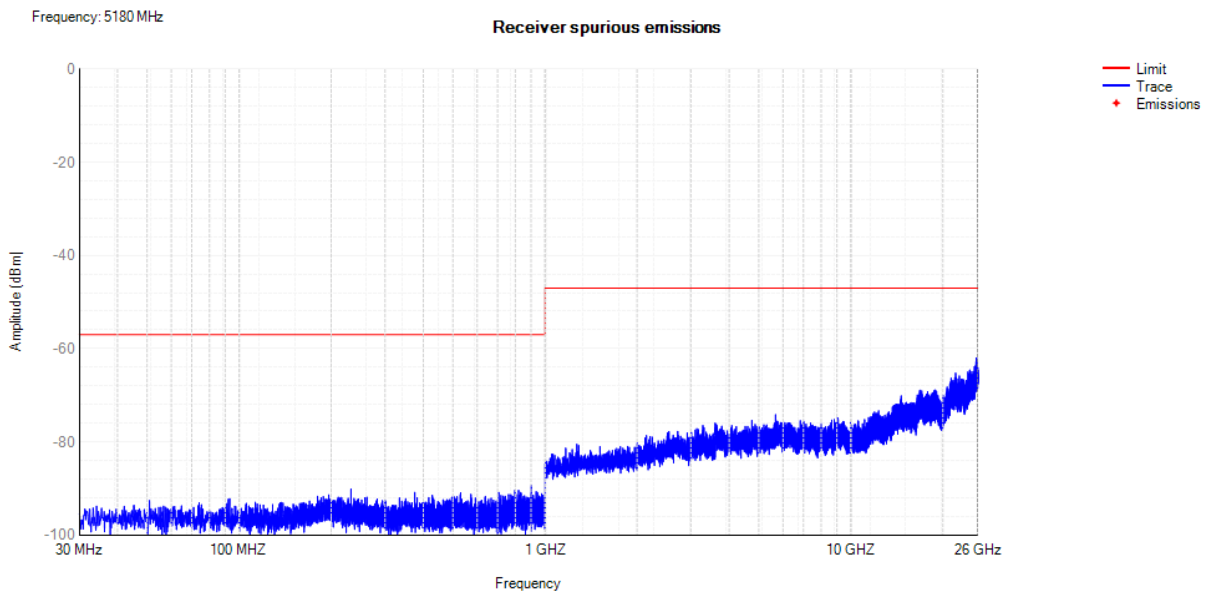
### 802.11a SISO-TX0

Rx. Spurious NVNT 802.11a 5180MHz



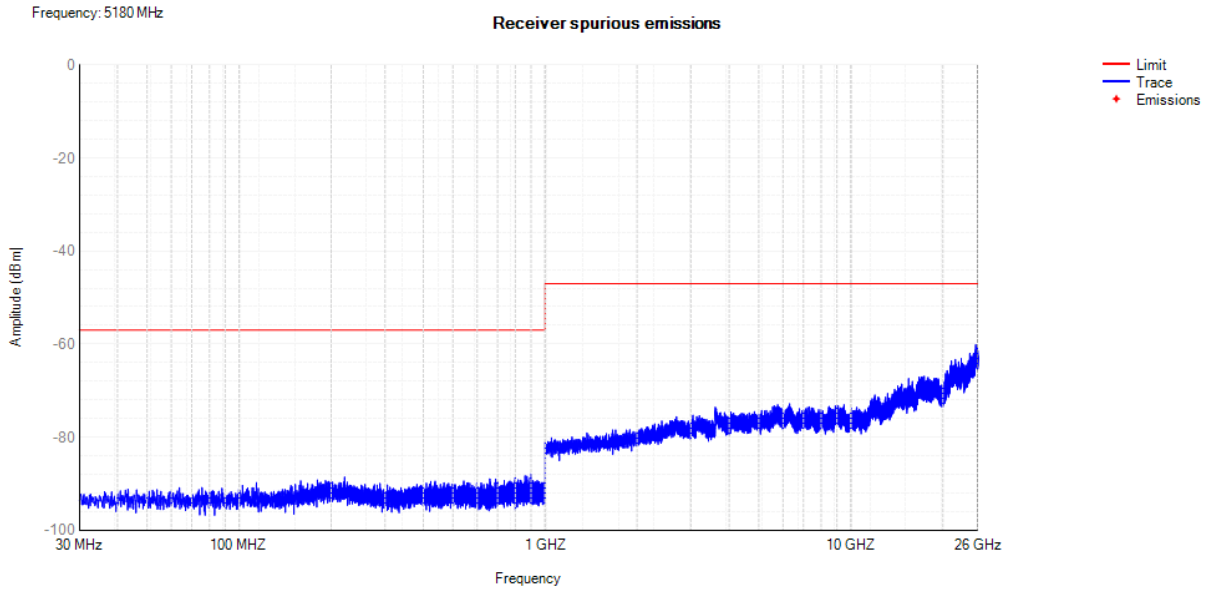
### 802.11a SISO-TX1

Rx. Spurious NVNT 802.11a 5180MHz

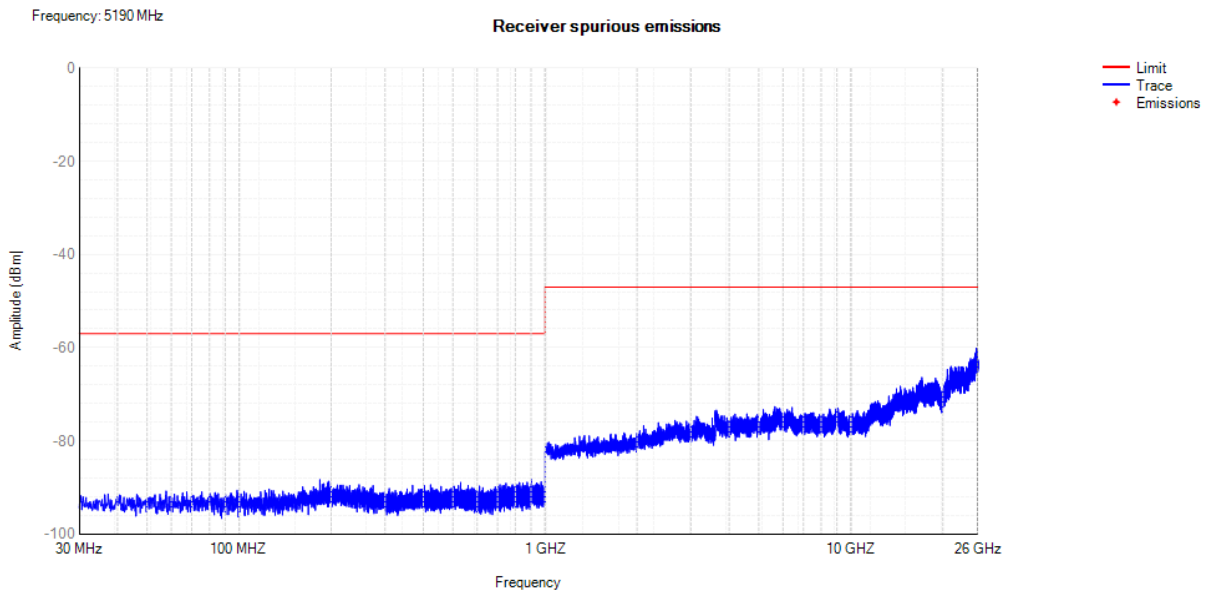


## 802.11n/ac MIMO

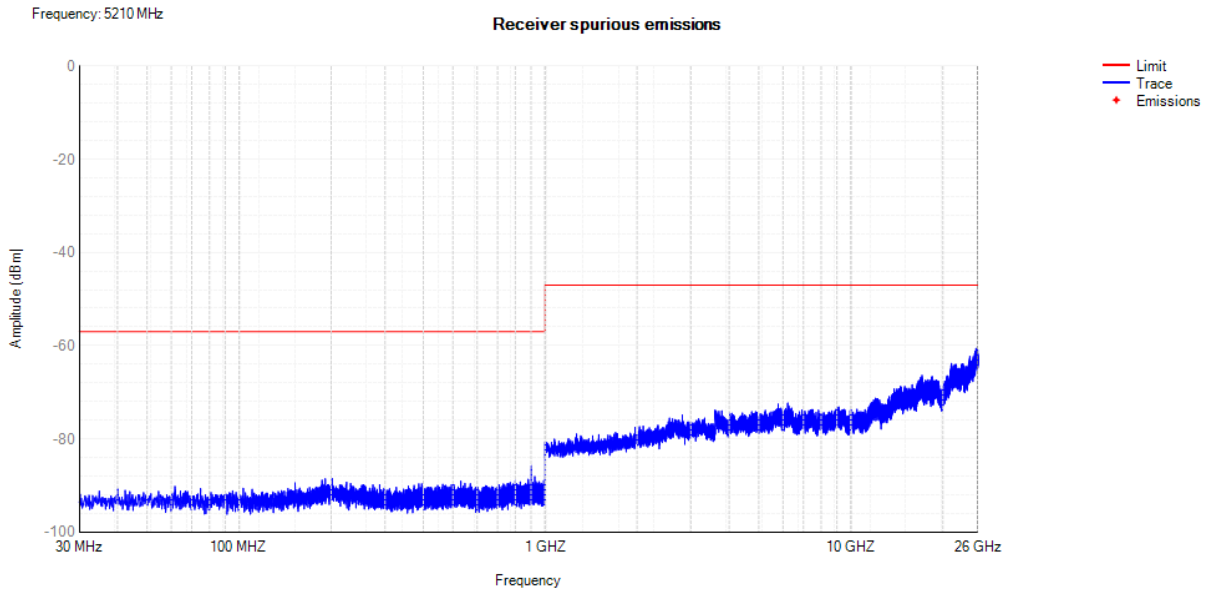
### Rx. Spurious NVNT 802.11ac20 5180MHz



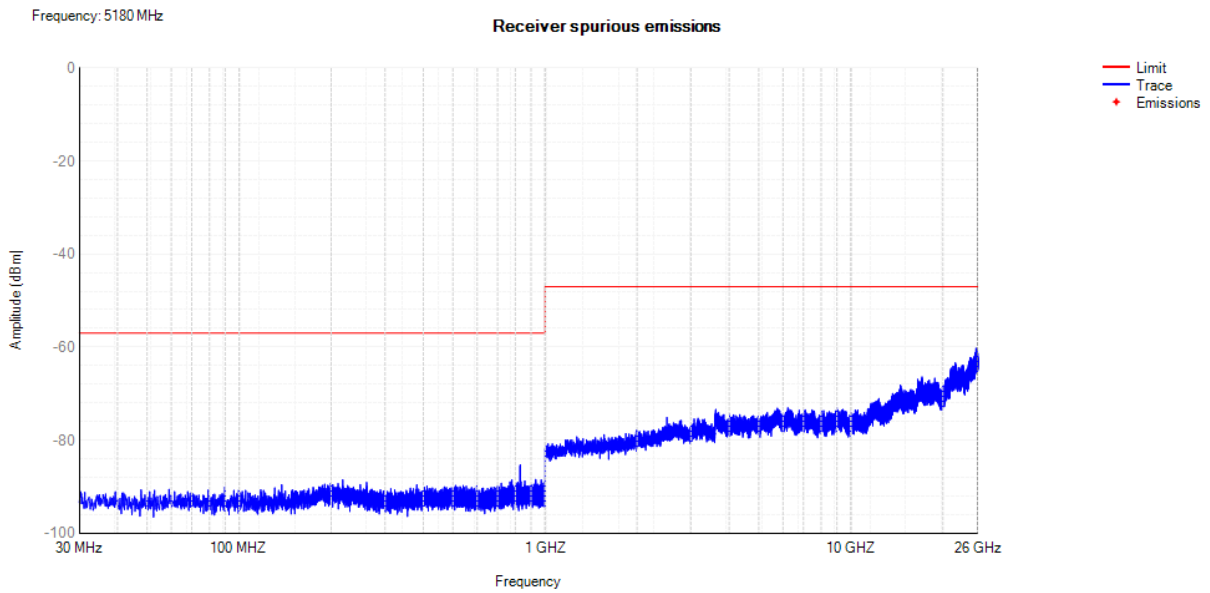
### Rx. Spurious NVNT 802.11ac40 5190MHz



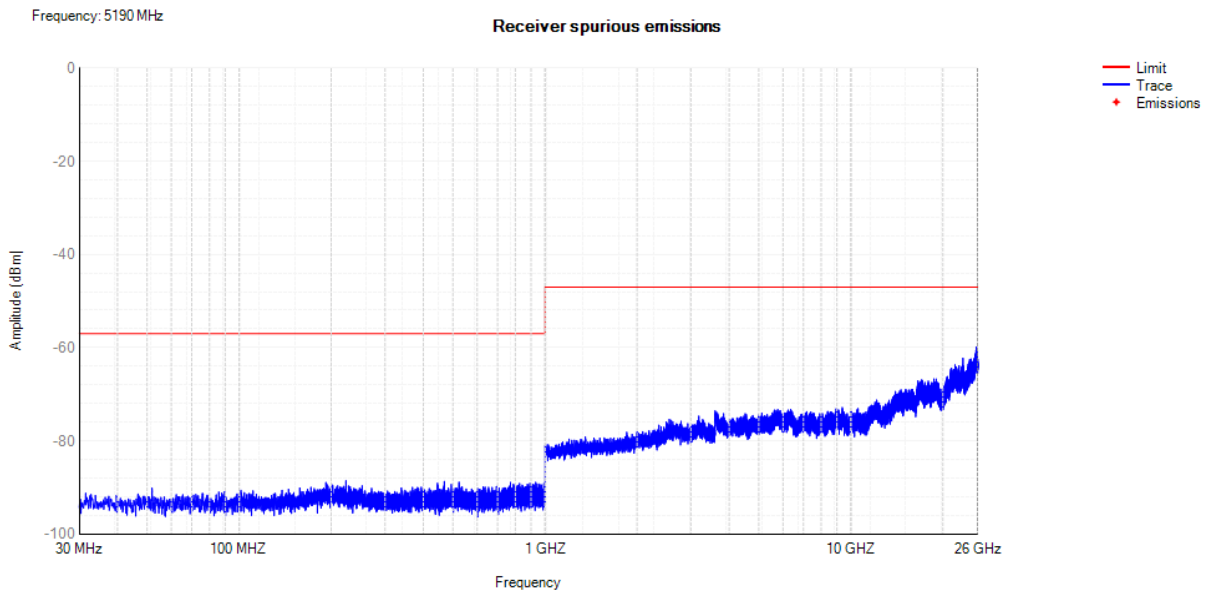
## Rx. Spurious NVNT 802.11ac80 5210MHz



## Rx. Spurious NVNT 802.11n(HT20) 5180MHz



Rx. Spurious NVNT 802.11n(HT40) 5190MHz



**(Whip antenna: 4.5dBi)**

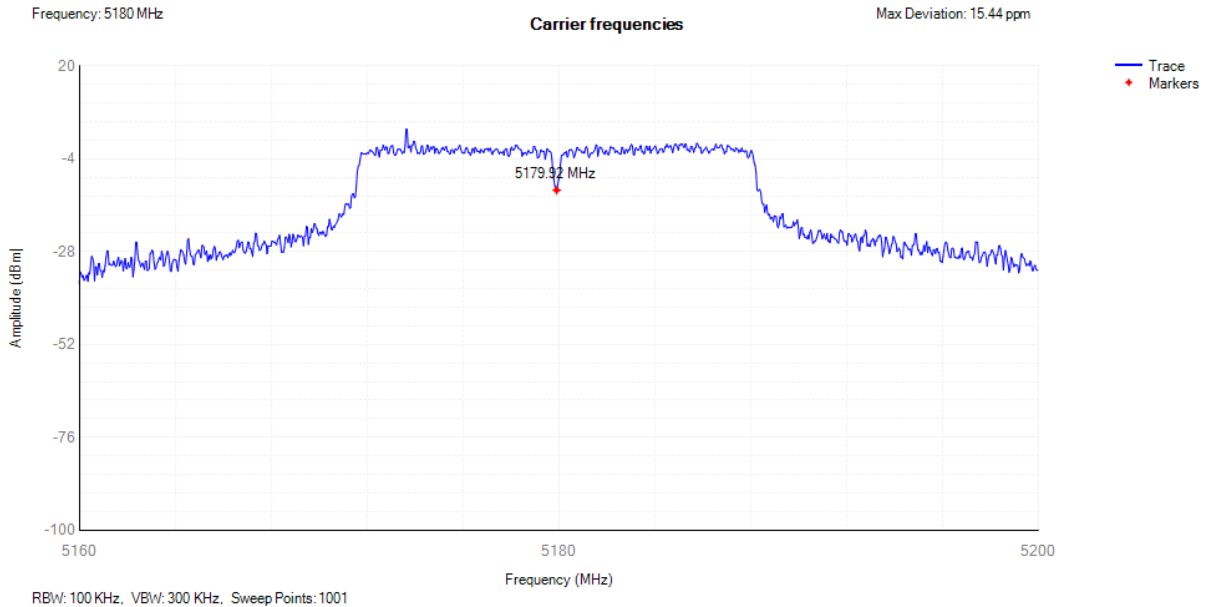
### 5.4.2 Carrier frequencies

Condition	Mode	Frequency (MHz)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
<b>802.11a SISO-TX0</b>						
NVHT	802.11a	5180	5179.92	15.44	20	Pass
NVLT	802.11a	5180	5179.92	15.44	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11a SISO-TX1</b>						
NVHT	802.11a	5180	5179.92	15.44	20	Pass
NVLT	802.11a	5180	5179.94	11.58	20	Pass
NVNT	802.11a	5180	5179.92	15.44	20	Pass
<b>802.11n/ac MIMO</b>						
NVHT	802.11ac20	5180	5179.94	11.58	20	Pass
NVLT	802.11ac20	5180	5179.92	15.44	20	Pass
NVNT	802.11ac20	5180	5179.96	7.72	20	Pass
NVHT	802.11ac40	5190	5189.96	7.71	20	Pass
NVLT	802.11ac40	5190	5189.96	7.71	20	Pass
NVNT	802.11ac40	5190	5189.96	7.71	20	Pass
NVHT	802.11ac80	5210	5209.92	15.36	20	Pass
NVLT	802.11ac80	5210	5209.92	15.36	20	Pass
NVNT	802.11ac80	5210	5209.92	15.36	20	Pass
NVHT	802.11n(HT20)	5180	5179.94	11.58	20	Pass

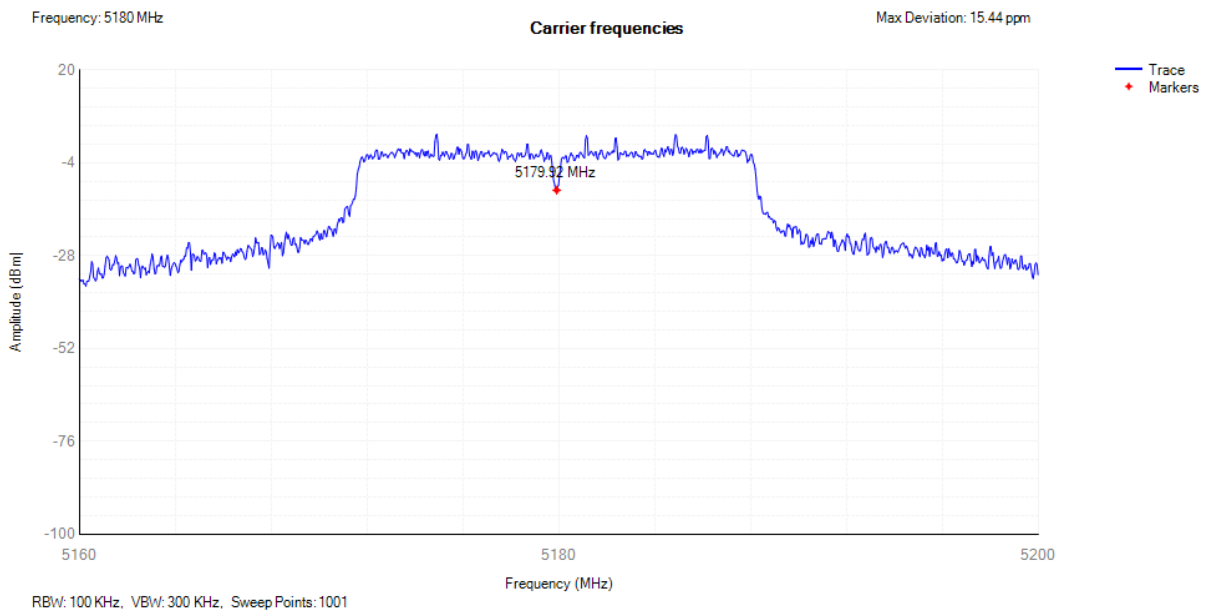
NVLT	802.11n(HT20)	5180	5179.94	11.58	20	Pass
NVNT	802.11n(HT20)	5180	5179.96	7.72	20	Pass
NVHT	802.11n(HT40)	5190	5189.92	15.41	20	Pass
NVLT	802.11n(HT40)	5190	5189.92	15.41	20	Pass
NVNT	802.11n(HT40)	5190	5189.92	15.41	20	Pass

### 802.11a SISO-TX0

Carrier Freq. NVHT 802.11a 5180MHz

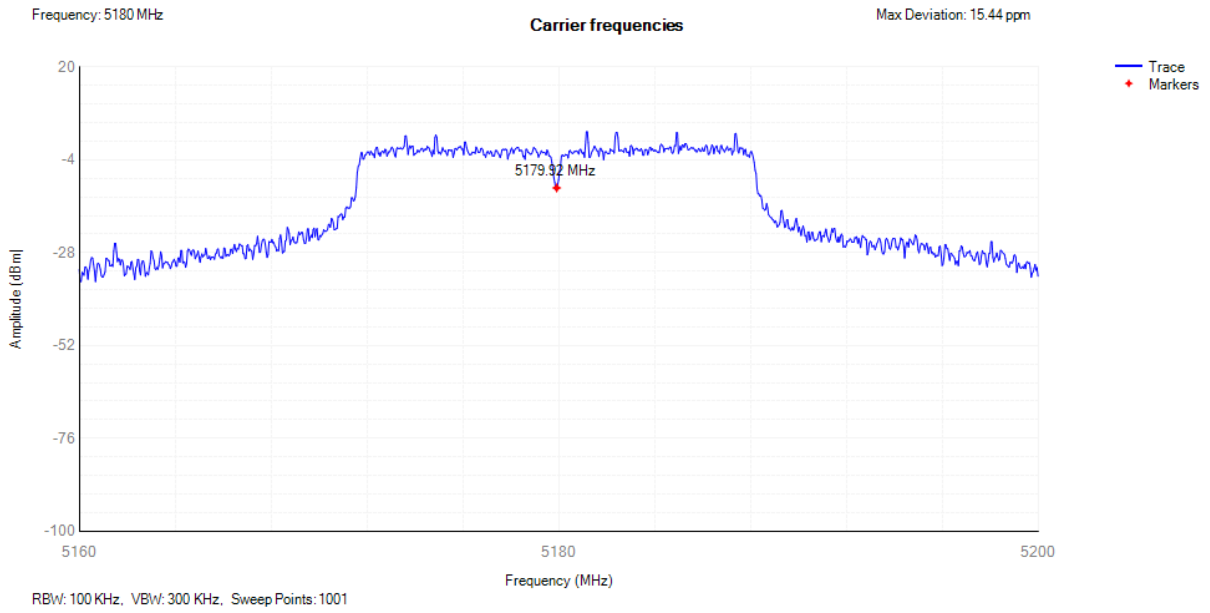


Carrier Freq. NVLT 802.11a 5180MHz



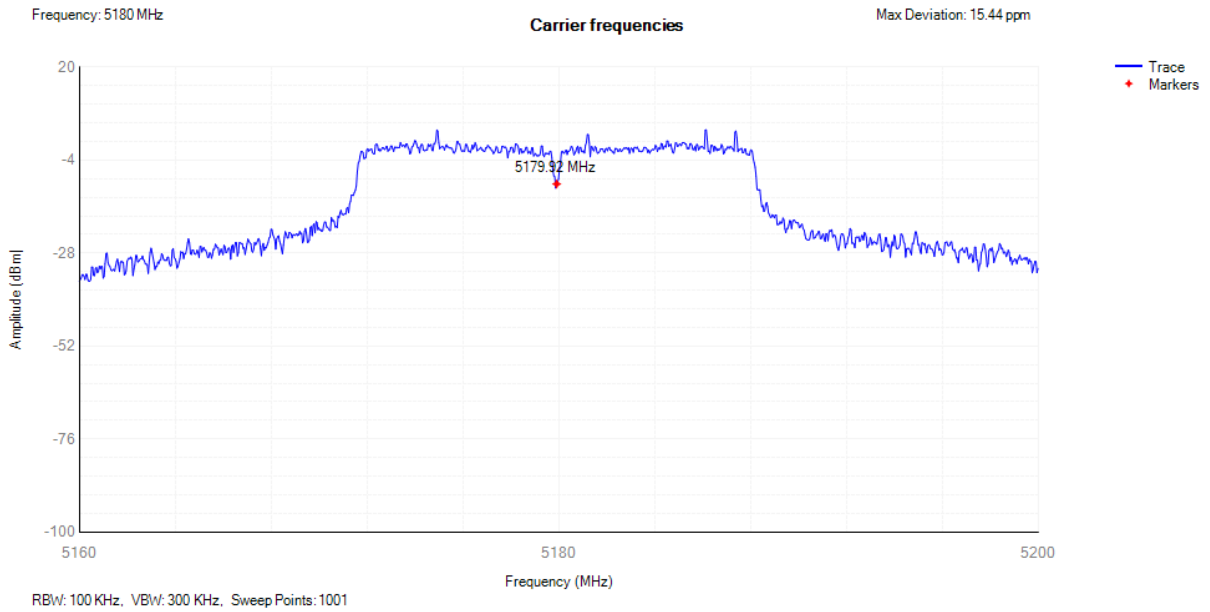


## Carrier Freq. NVNT 802.11a 5180MHz

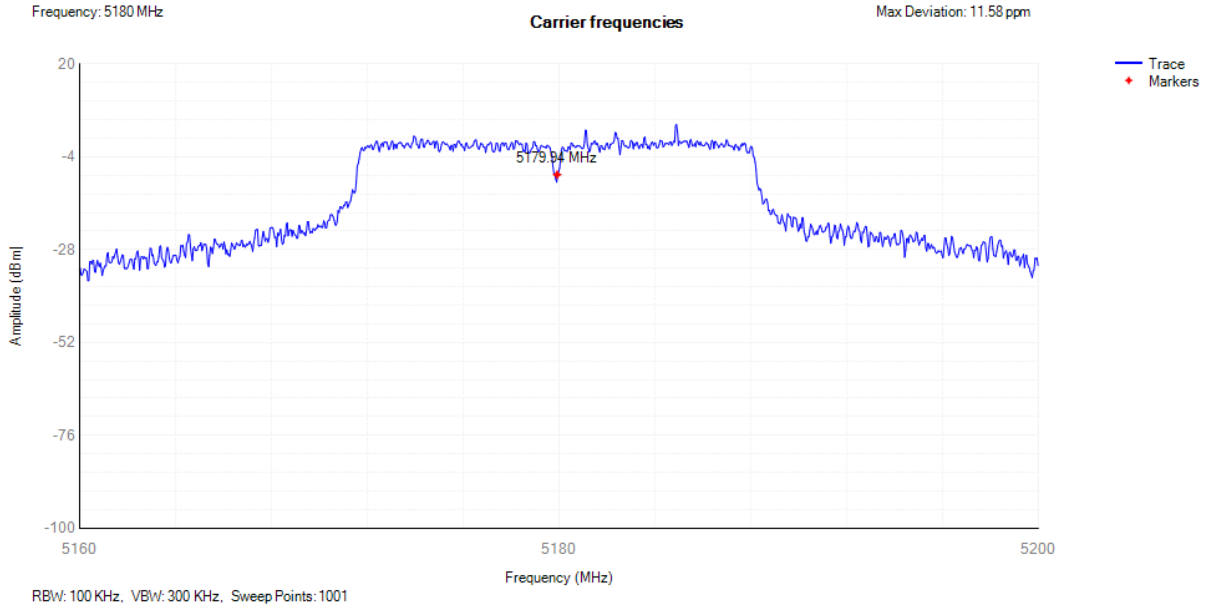


## 802.11a SISO-TX1

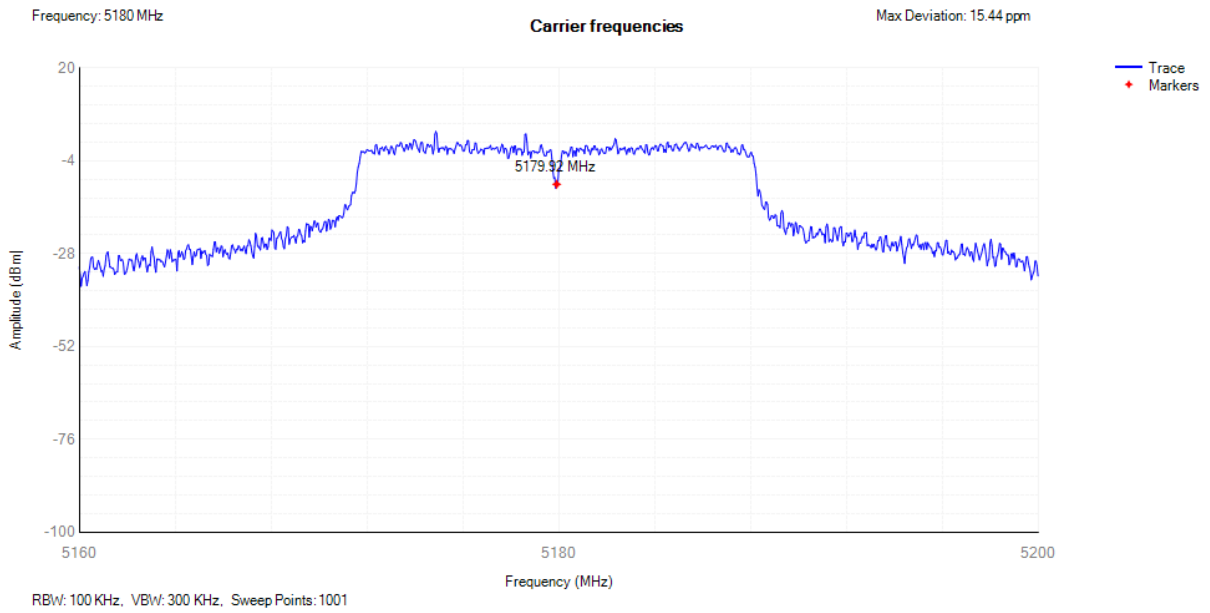
## Carrier Freq. NVHT 802.11a 5180MHz



## Carrier Freq. NVLT 802.11a 5180MHz

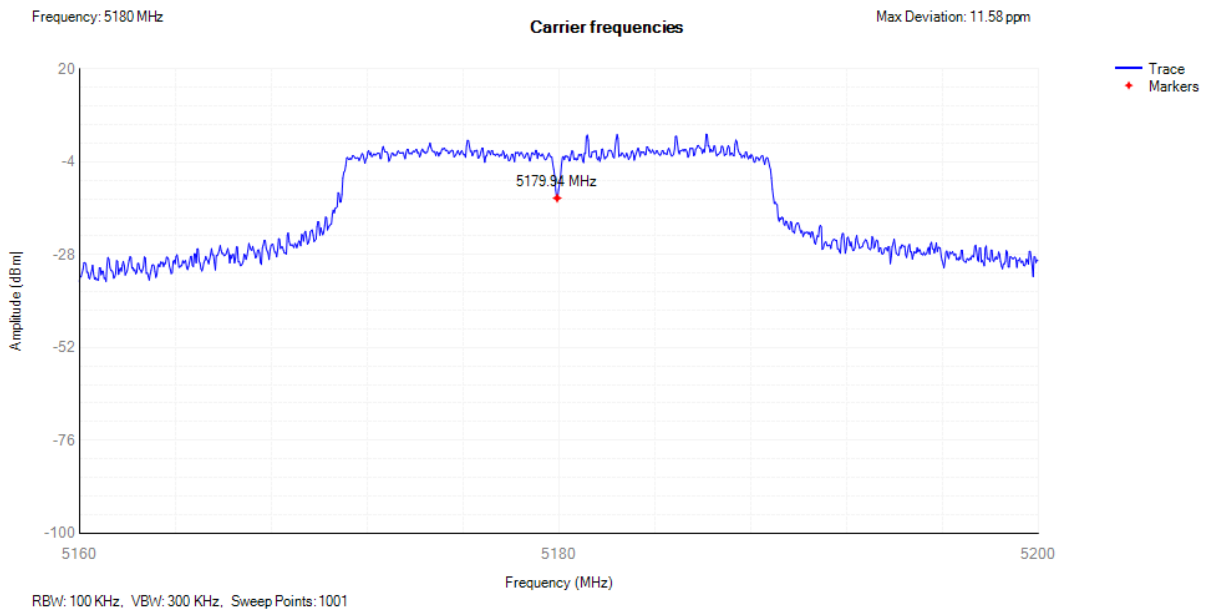


## Carrier Freq. NVNT 802.11a 5180MHz

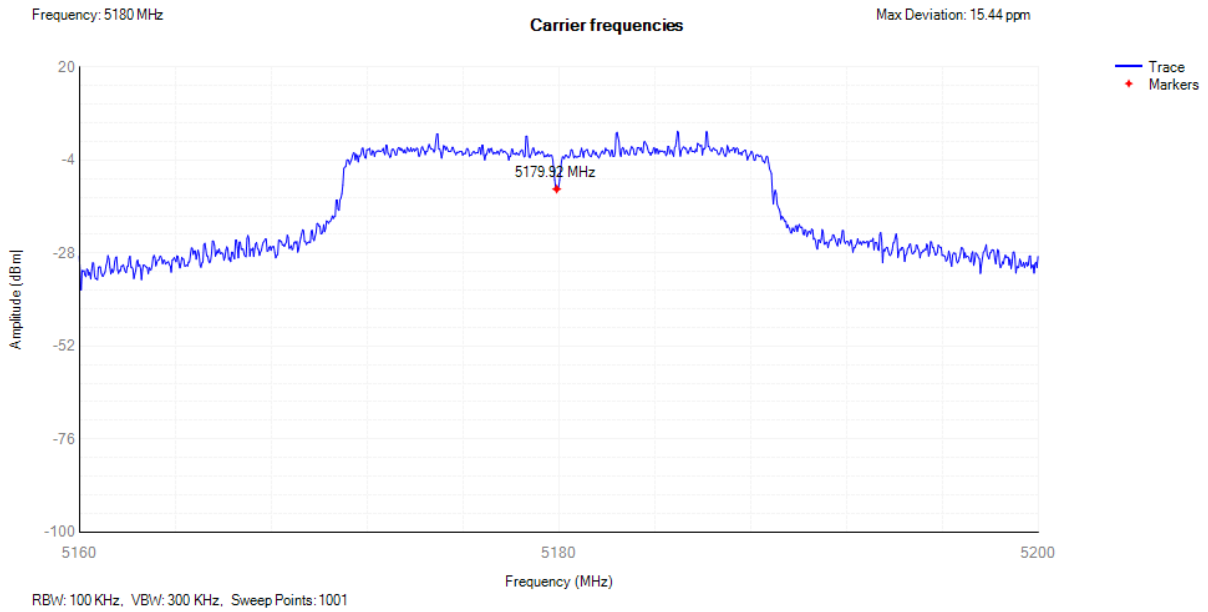


## 802.11n/ac MIMO

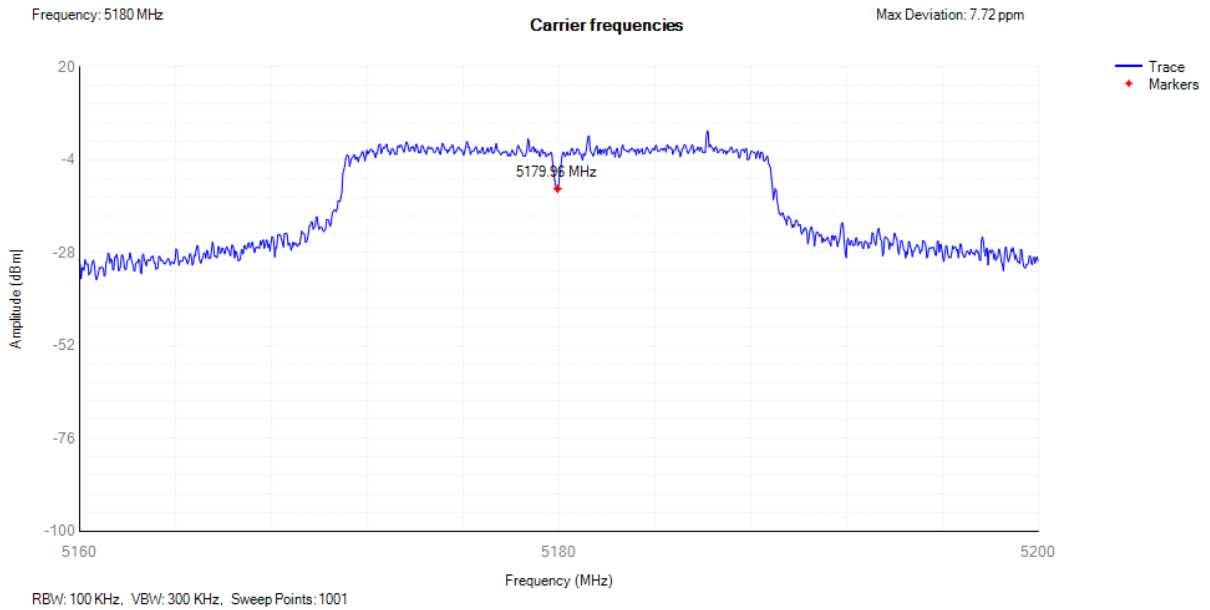
Carrier Freq. NVHT 802.11ac20 5180MHz



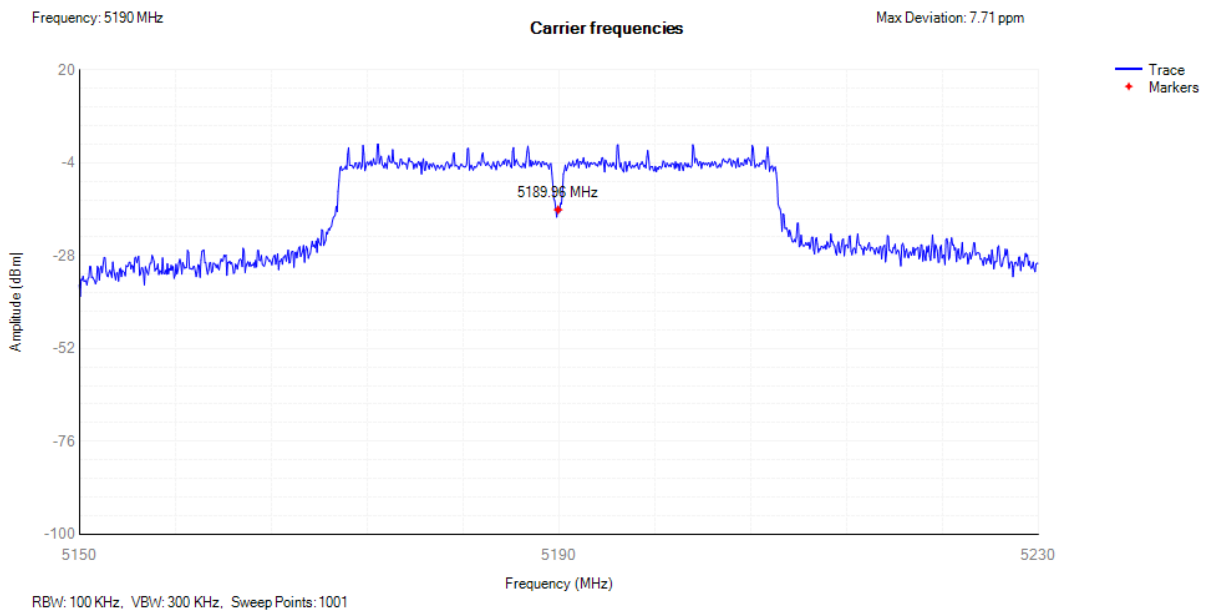
Carrier Freq. NVLT 802.11ac20 5180MHz



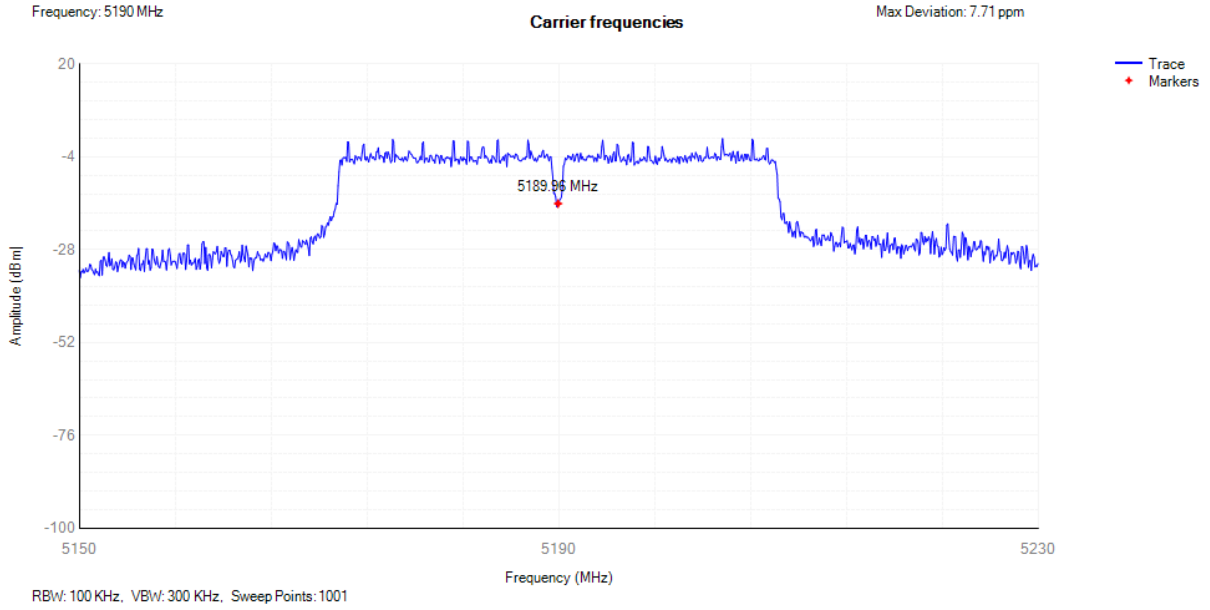
## Carrier Freq. NVNT 802.11ac20 5180MHz



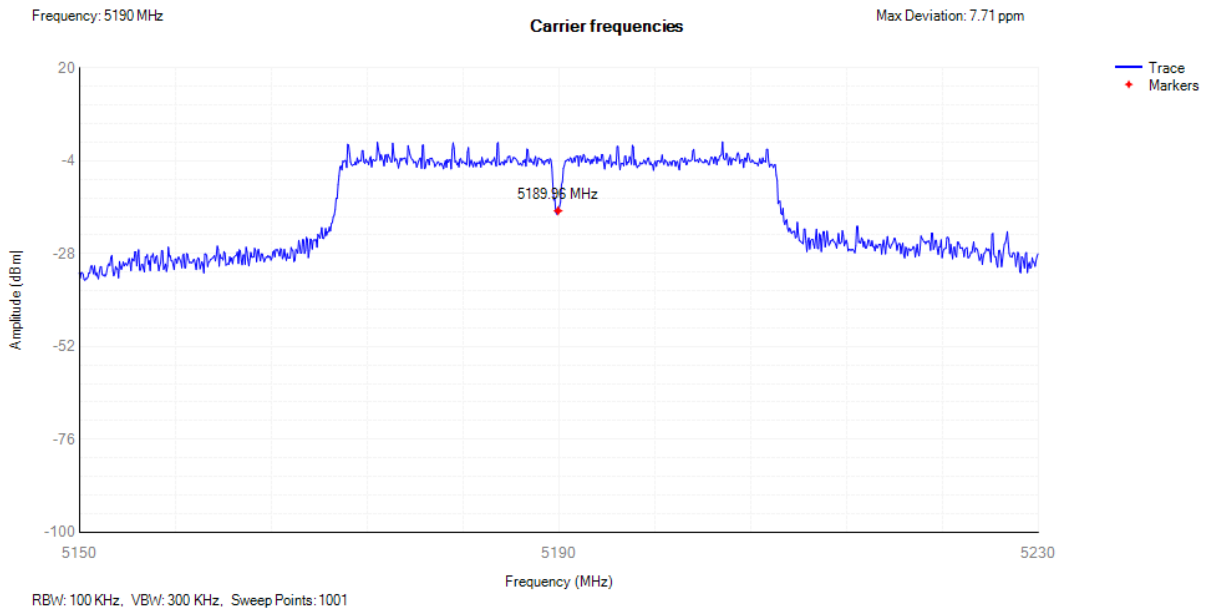
## Carrier Freq. NVHT 802.11ac40 5190MHz



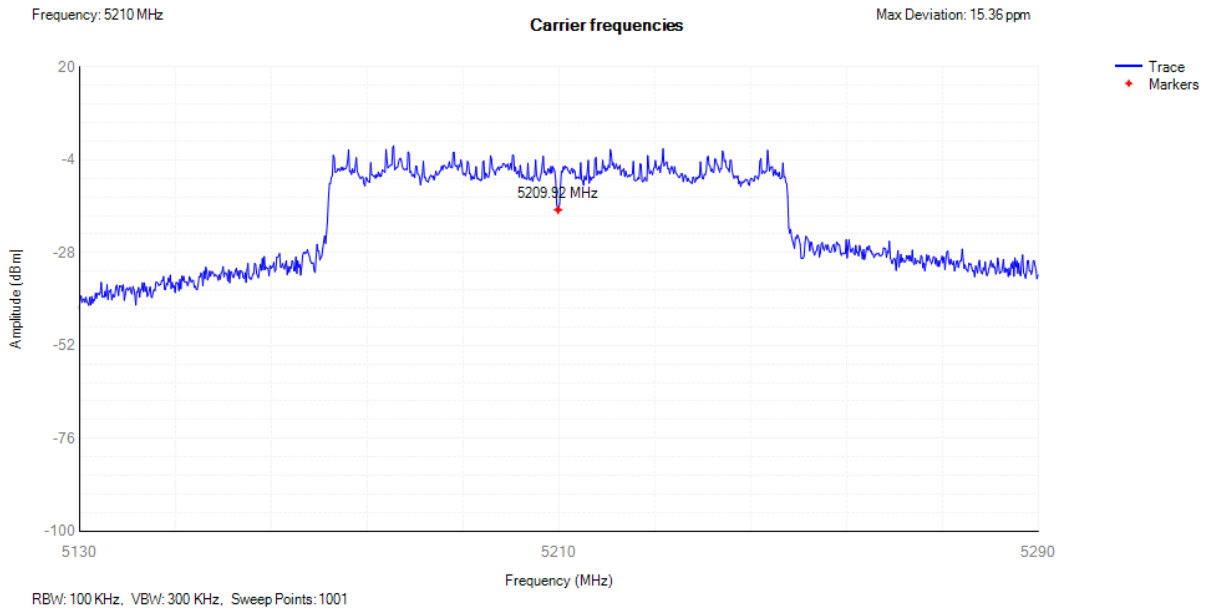
### Carrier Freq. NVLT 802.11ac40 5190MHz



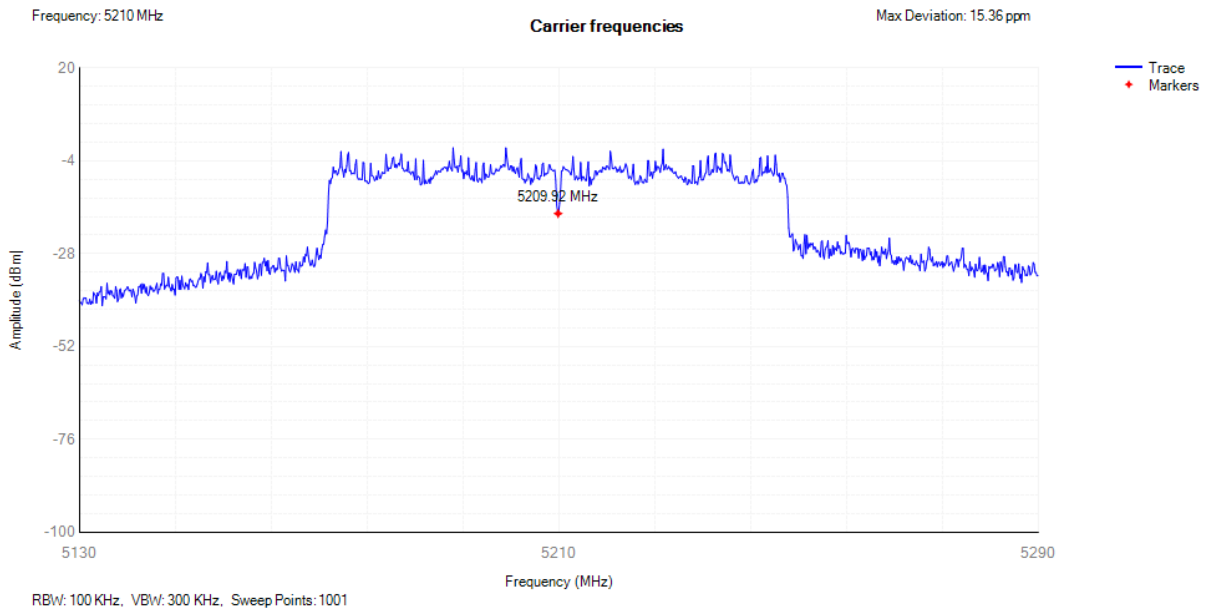
### Carrier Freq. NVNT 802.11ac40 5190MHz



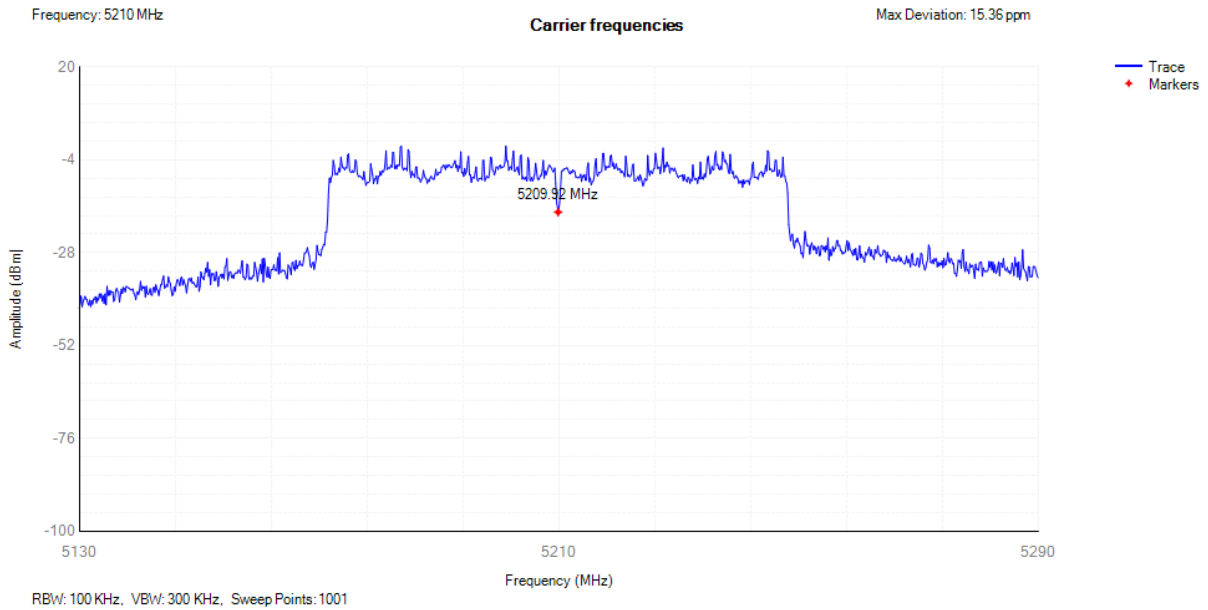
### Carrier Freq. NVHT 802.11ac80 5210MHz



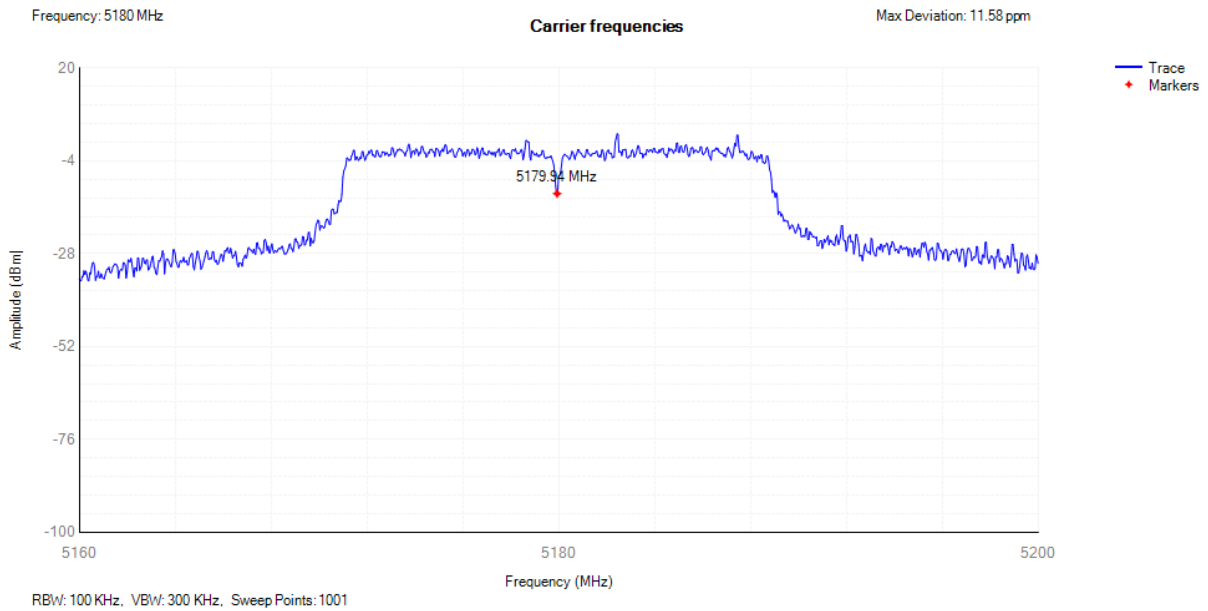
### Carrier Freq. NVLT 802.11ac80 5210MHz



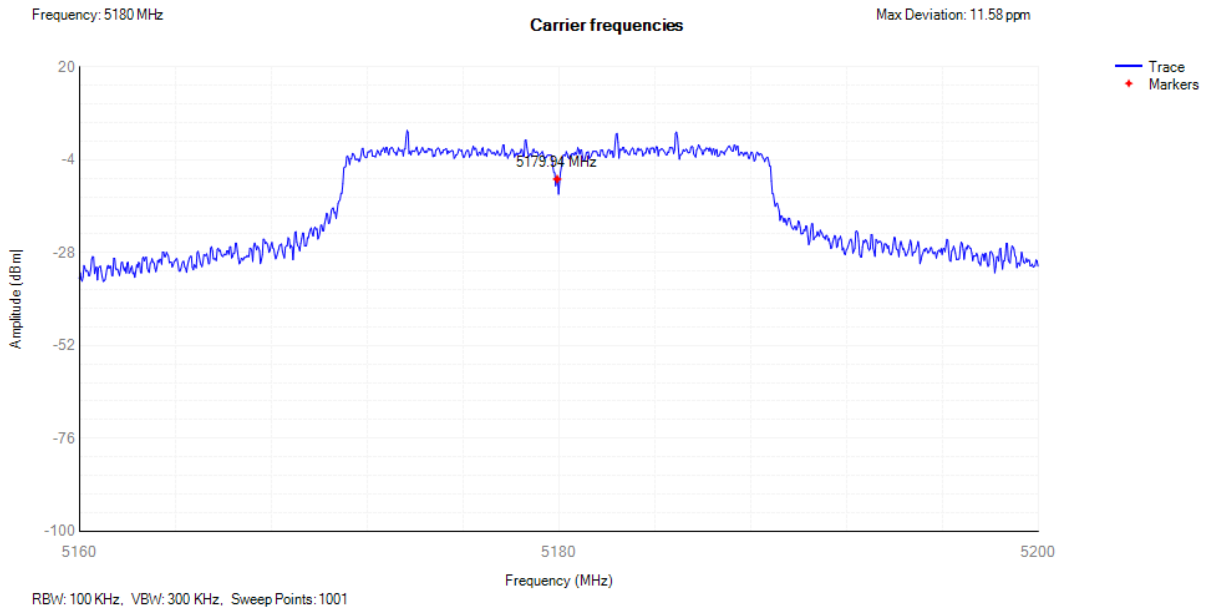
## Carrier Freq. NVNT 802.11ac80 5210MHz



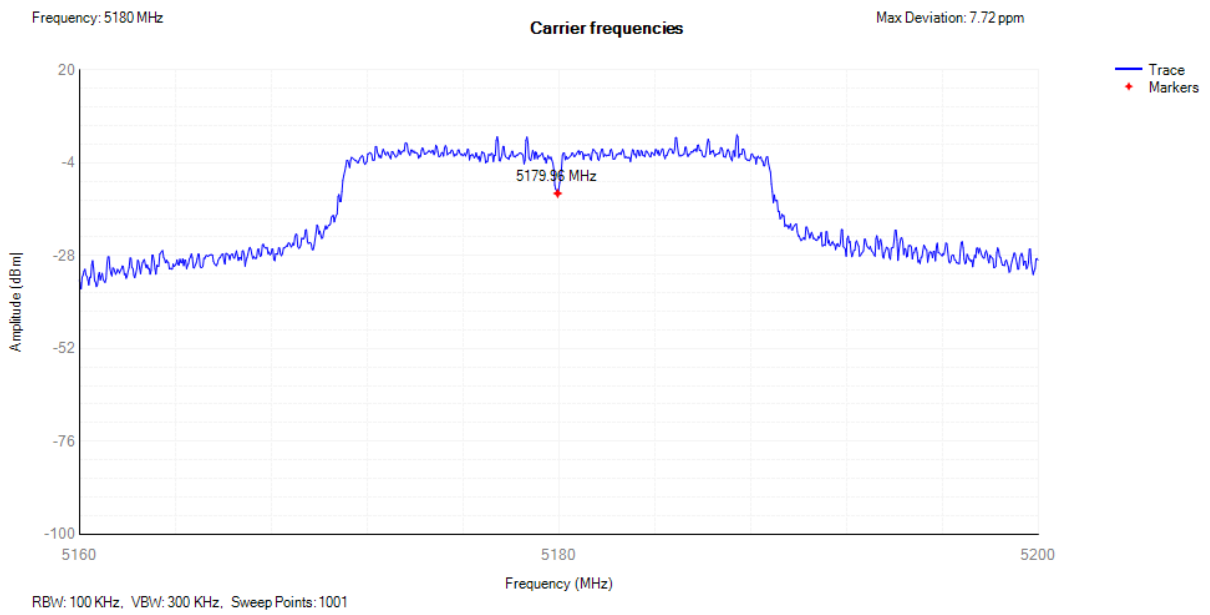
## Carrier Freq. NVHT 802.11n(HT20) 5180MHz



## Carrier Freq. NVLT 802.11n(HT20) 5180MHz

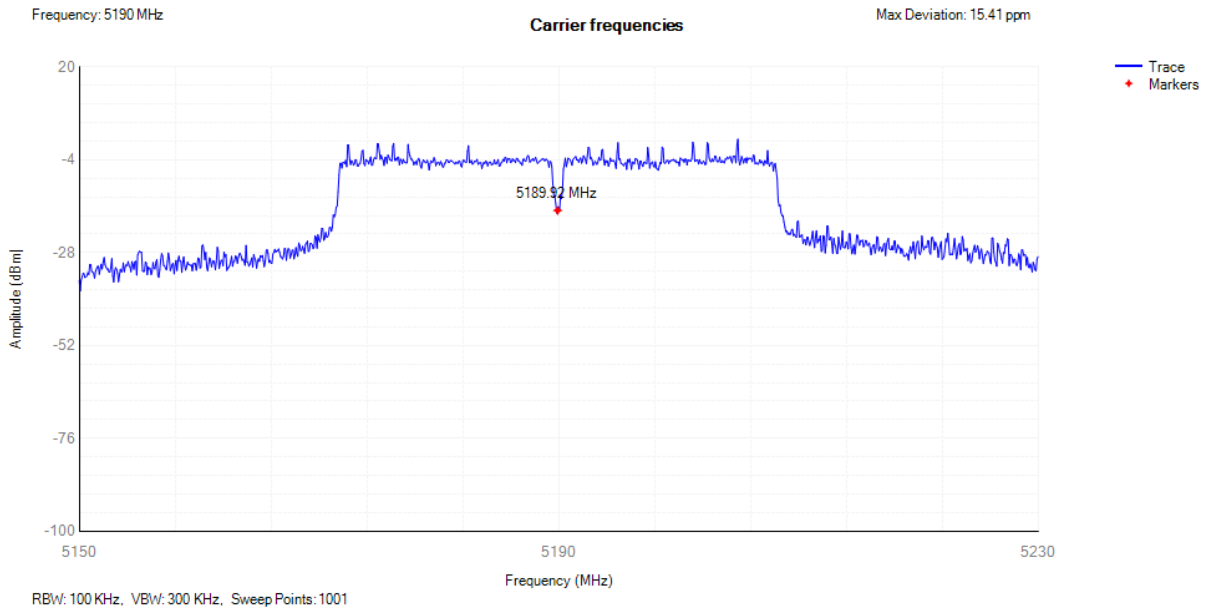


## Carrier Freq. NVNT 802.11n(HT20) 5180MHz

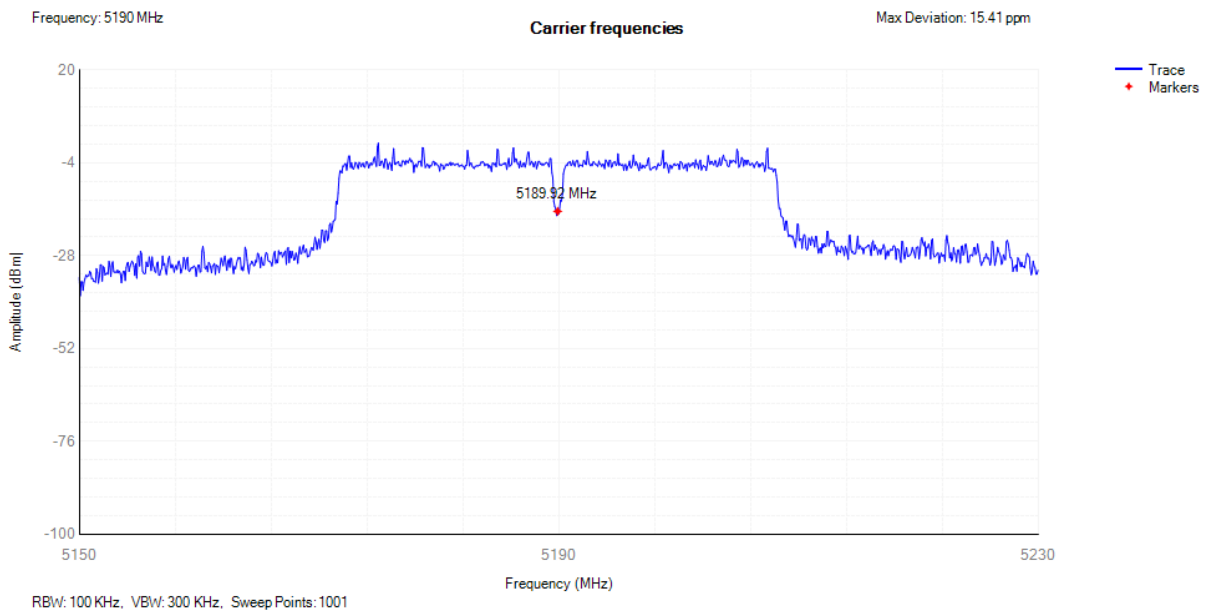




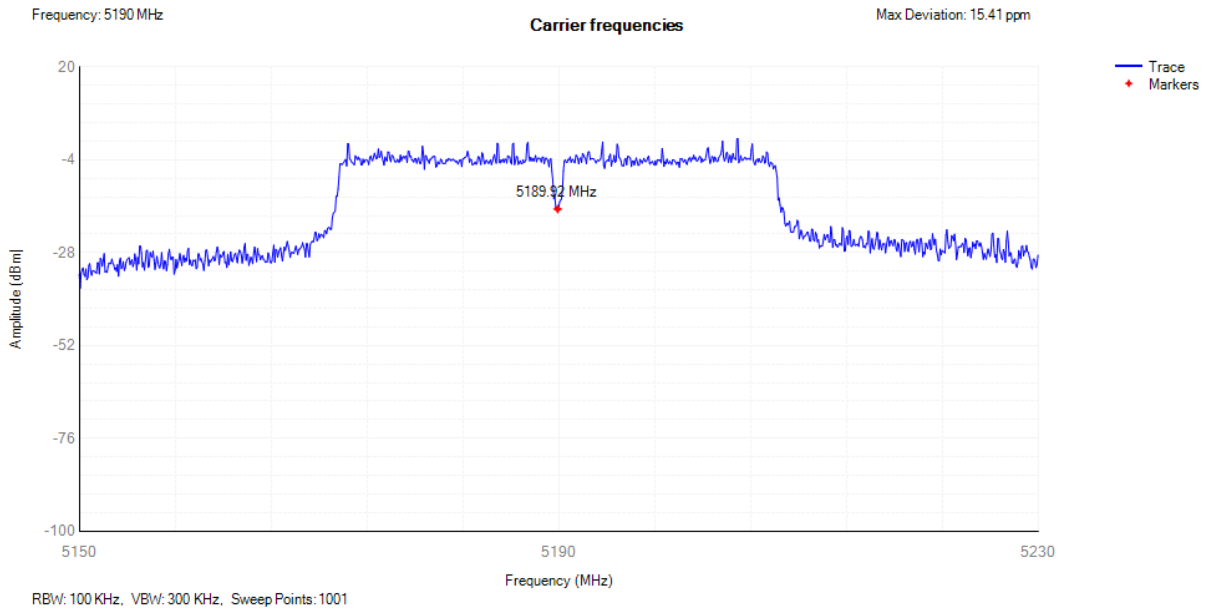
## Carrier Freq. NVHT 802.11n(HT40) 5190MHz



## Carrier Freq. NVLT 802.11n(HT40) 5190MHz



Carrier Freq. NVNT 802.11n(HT40) 5190MHz



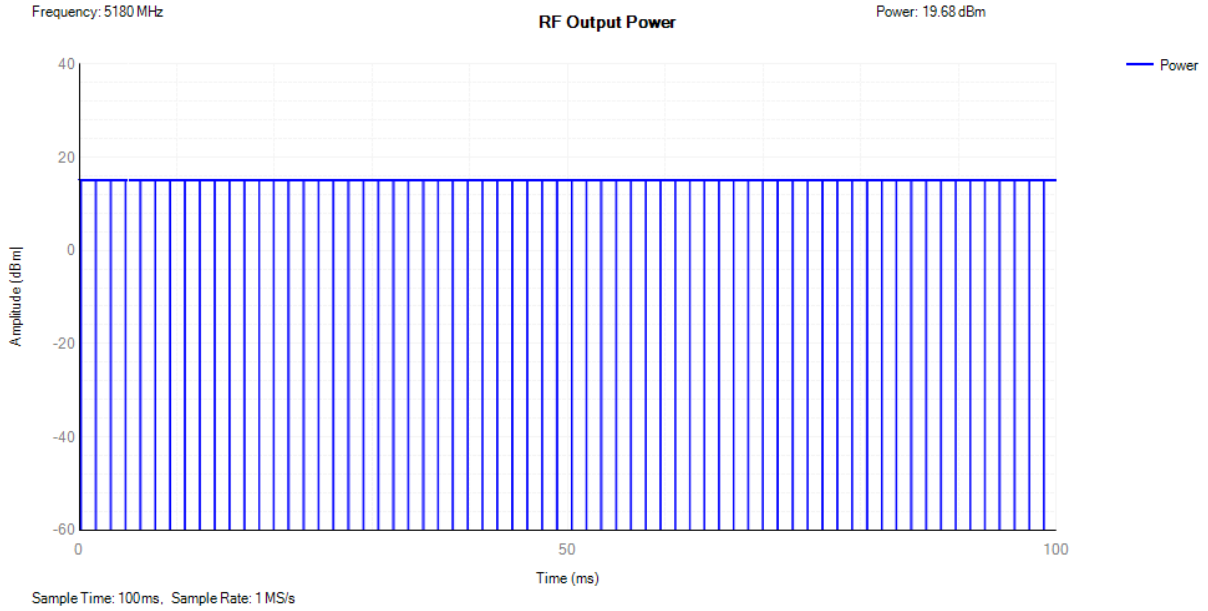
### 5.4.4 RF Output Power

Condition	Mode	Frequency (MHz)	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVHT	802.11a	5180	15.18	67	19.68	23	Pass
NVLT	802.11a	5180	15.15	67	19.65	23	Pass
NVNT	802.11a	5180	15.12	67	19.62	23	Pass
<b>802.11a SISO-TX1</b>							
NVHT	802.11a	5180	15.84	67	20.34	23	Pass
NVLT	802.11a	5180	15.85	67	20.35	23	Pass
NVNT	802.11a	5180	15.91	67	20.41	23	Pass
<b>802.11n/ac MIMO</b>							
NVHT	802.11ac20	5180	15.37	71	19.87	23	Pass
NVLT	802.11ac20	5180	15.36	70	19.86	23	Pass
NVNT	802.11ac20	5180	15.48	70	19.98	23	Pass
NVHT	802.11ac40	5190	15.6	134	20.1	23	Pass
NVLT	802.11ac40	5190	15.62	133	20.12	23	Pass
NVNT	802.11ac40	5190	15.74	133	20.24	23	Pass
NVHT	802.11ac80	5210	15.56	238	20.06	23	Pass
NVLT	802.11ac80	5210	15.58	237	20.08	23	Pass
NVNT	802.11ac80	5210	15.52	238	20.02	23	Pass
NVHT	802.11n(HT20)	5180	15.36	71	20.11	23	Pass
NVLT	802.11n(HT20)	5180	15.35	71	20.1	23	Pass
NVNT	802.11n(HT20)	5180	15.4	71	20.15	23	Pass

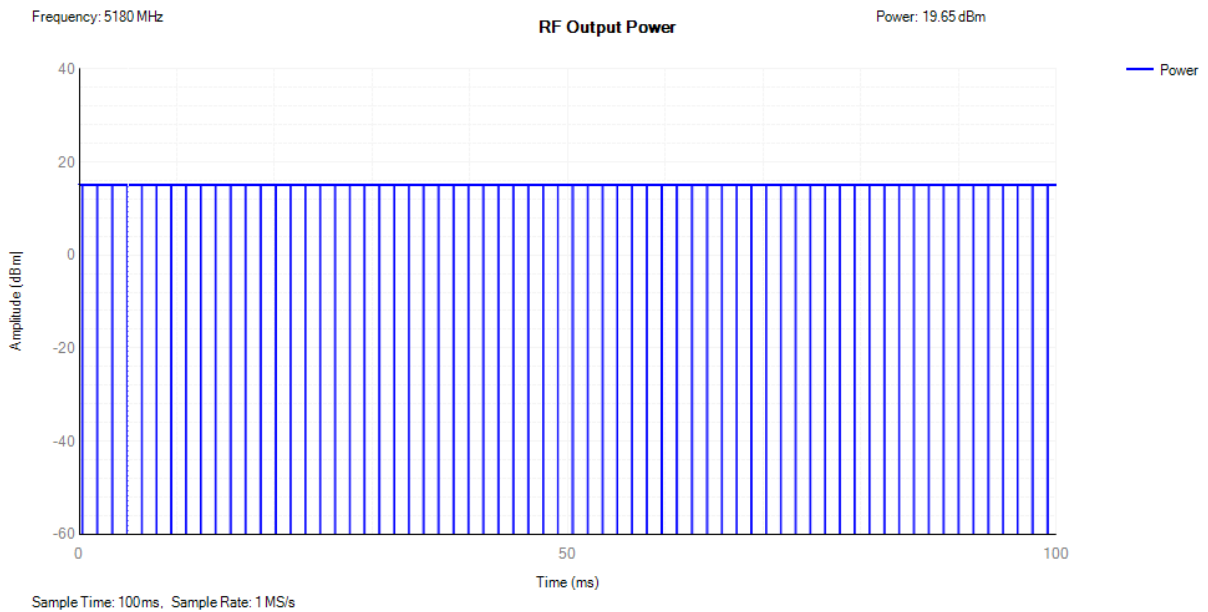
NVHT	802.11n(HT40)	5190	15.61	133	20.36	23	Pass
NVLT	802.11n(HT40)	5190	15.62	133	20.37	23	Pass
NVNT	802.11n(HT40)	5190	15.75	133	20.5	23	Pass

**802.11a SISO-TX0**

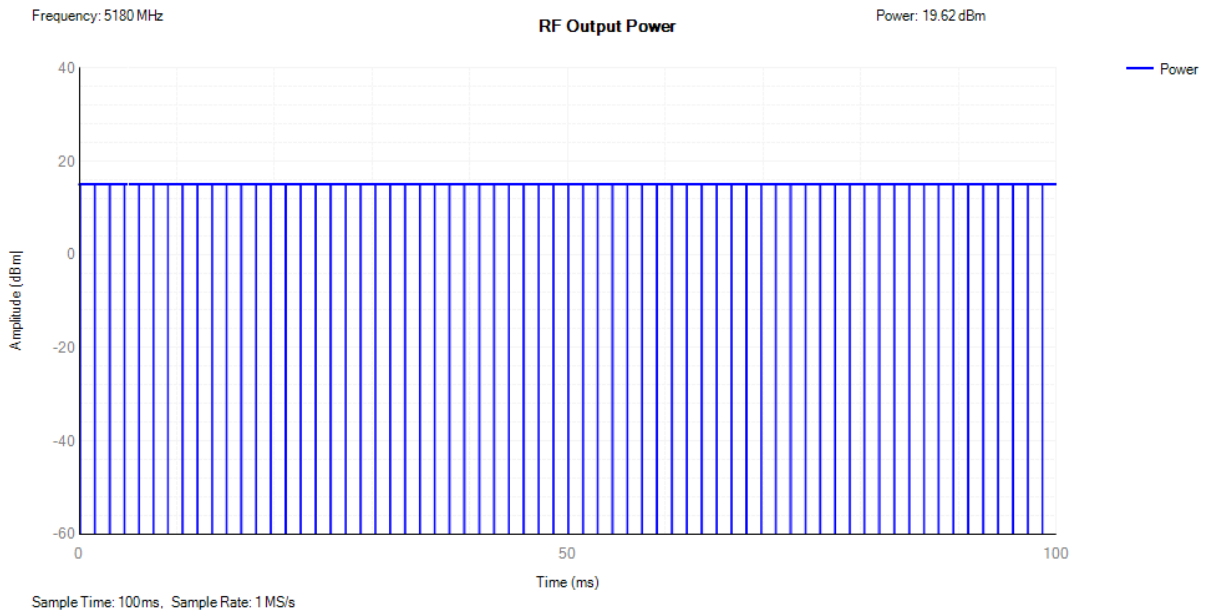
Power NVHT 802.11a 5180MHz



Power NVLT 802.11a 5180MHz

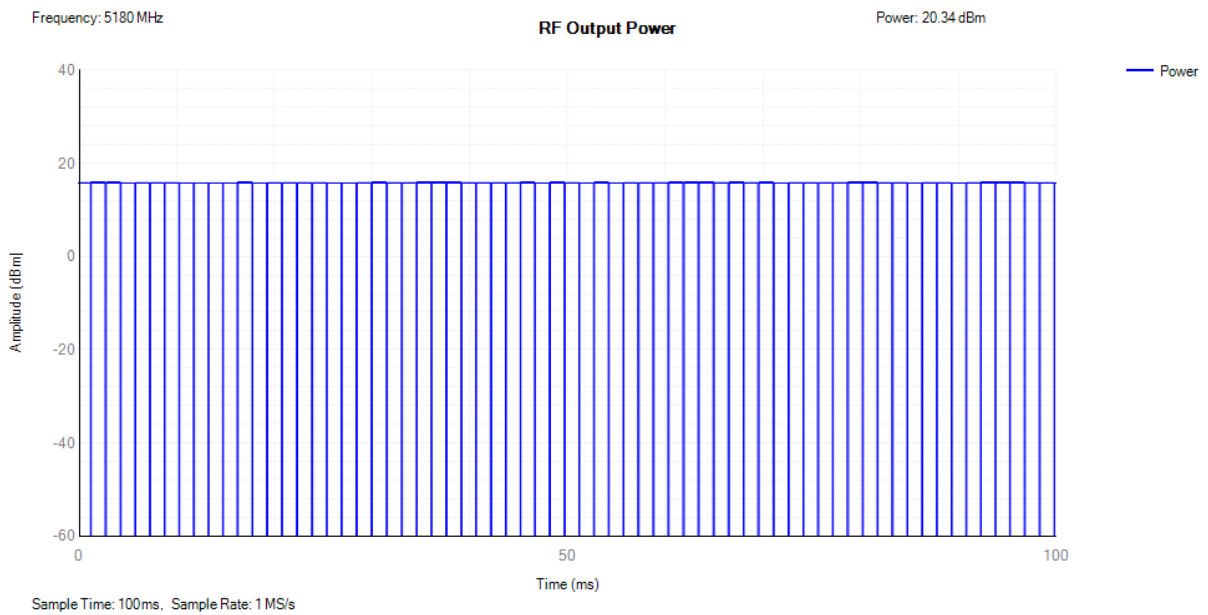


## Power NVNT 802.11a 5180MHz

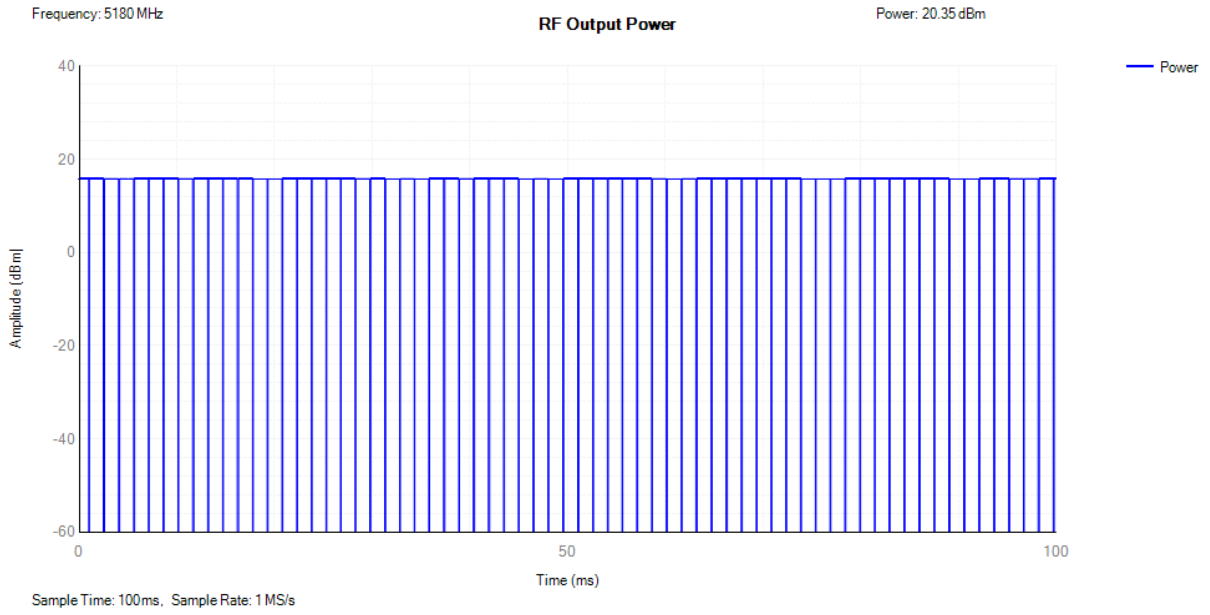


## 802.11a SISO-TX1

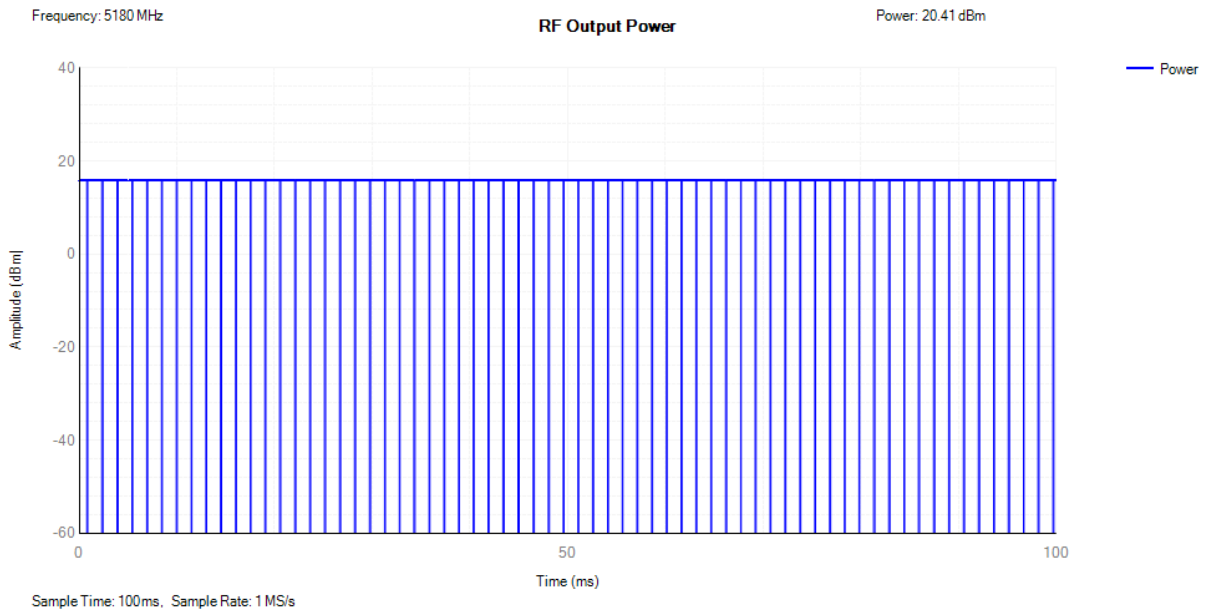
## Power NVHT 802.11a 5180MHz



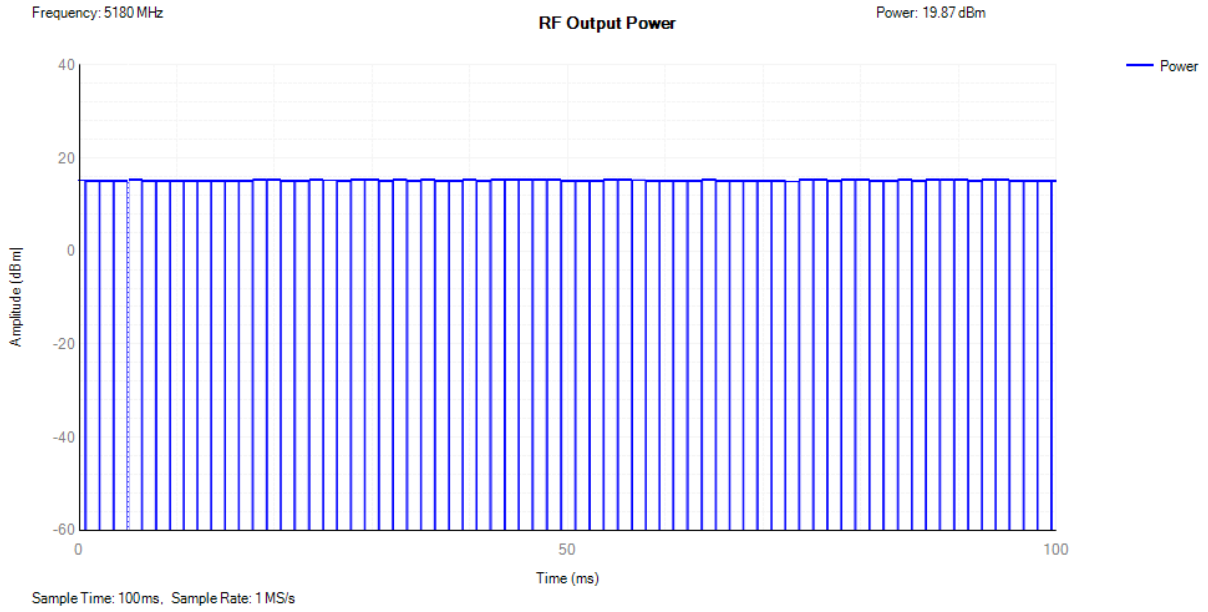
### Power NVLT 802.11a 5180MHz



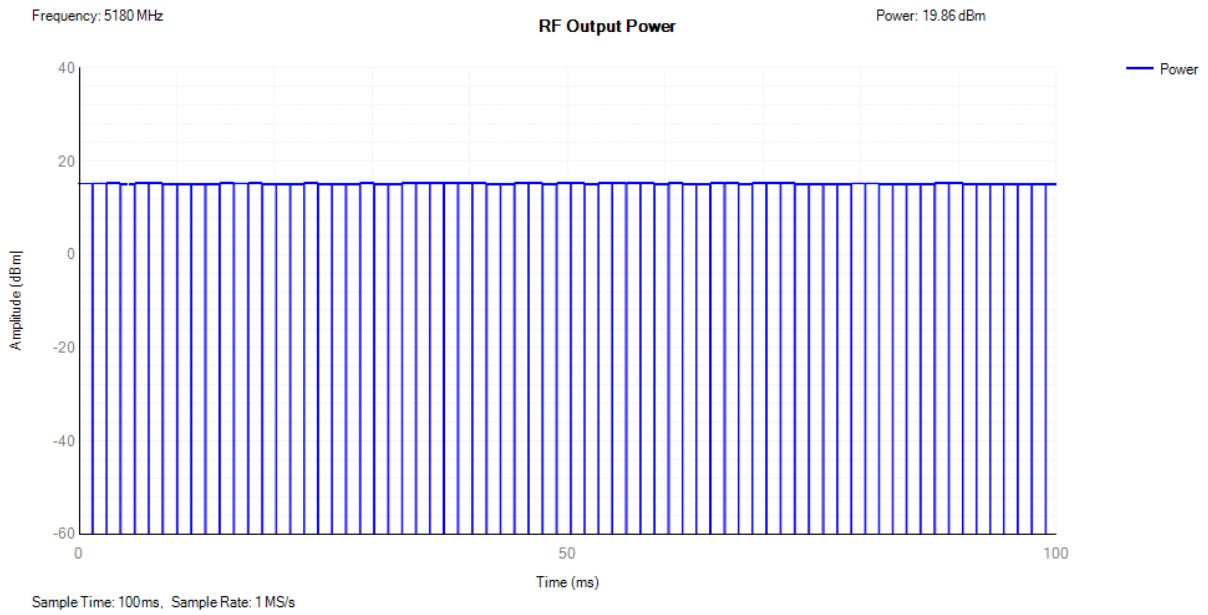
### Power NVNT 802.11a 5180MHz



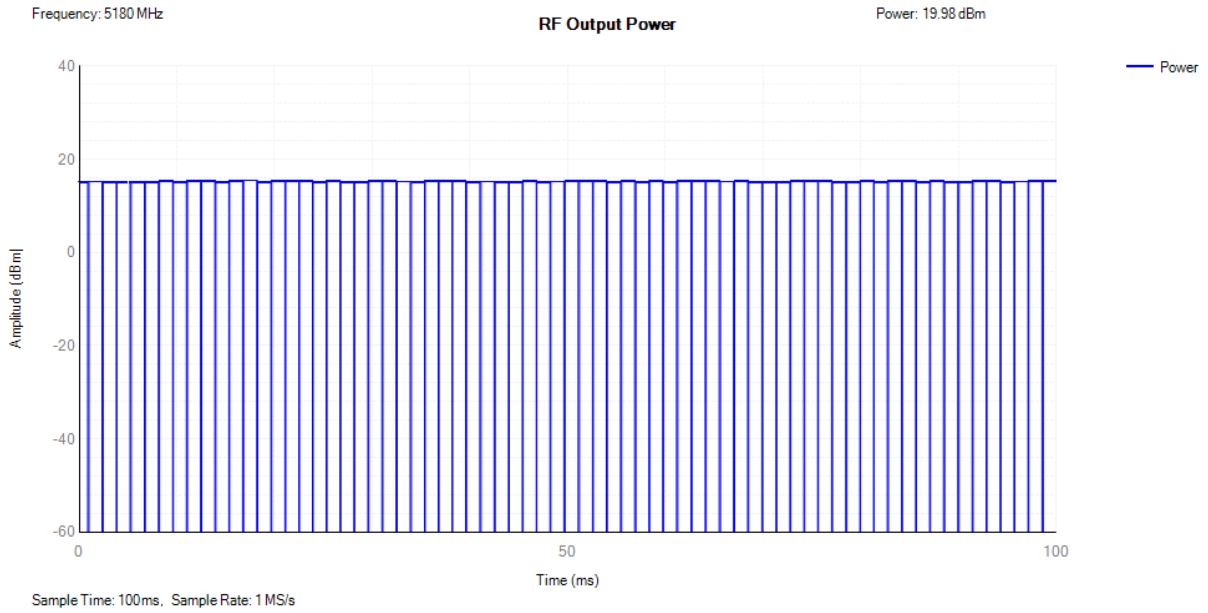
## 802.11n/ac MIMO Power NVHT 802.11ac20 5180MHz



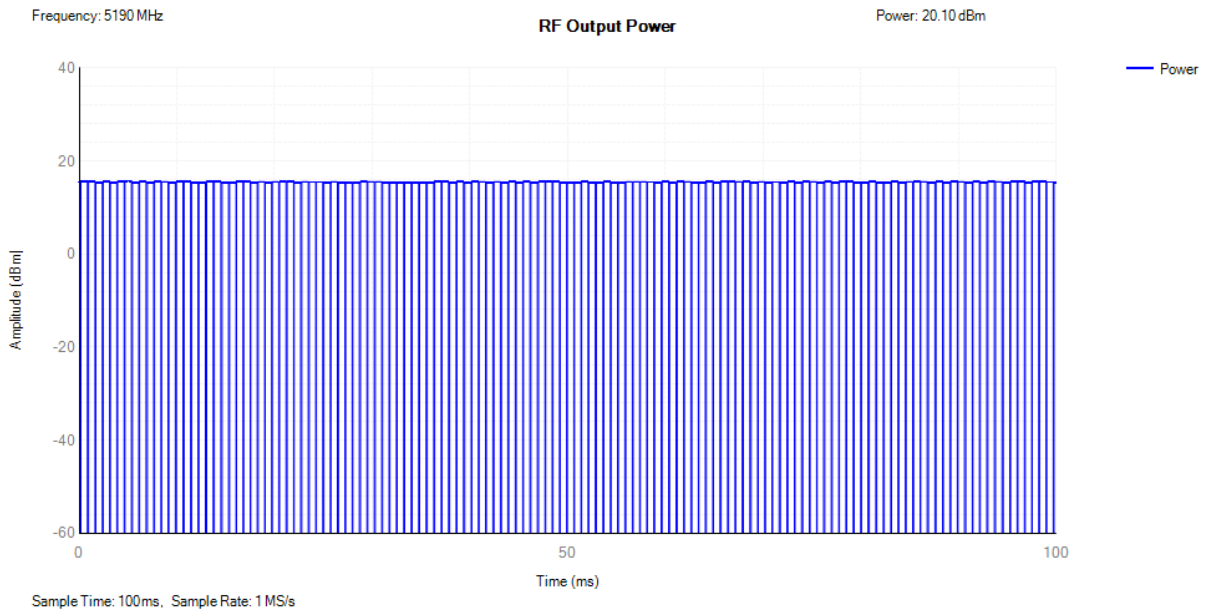
## Power NVLT 802.11ac20 5180MHz



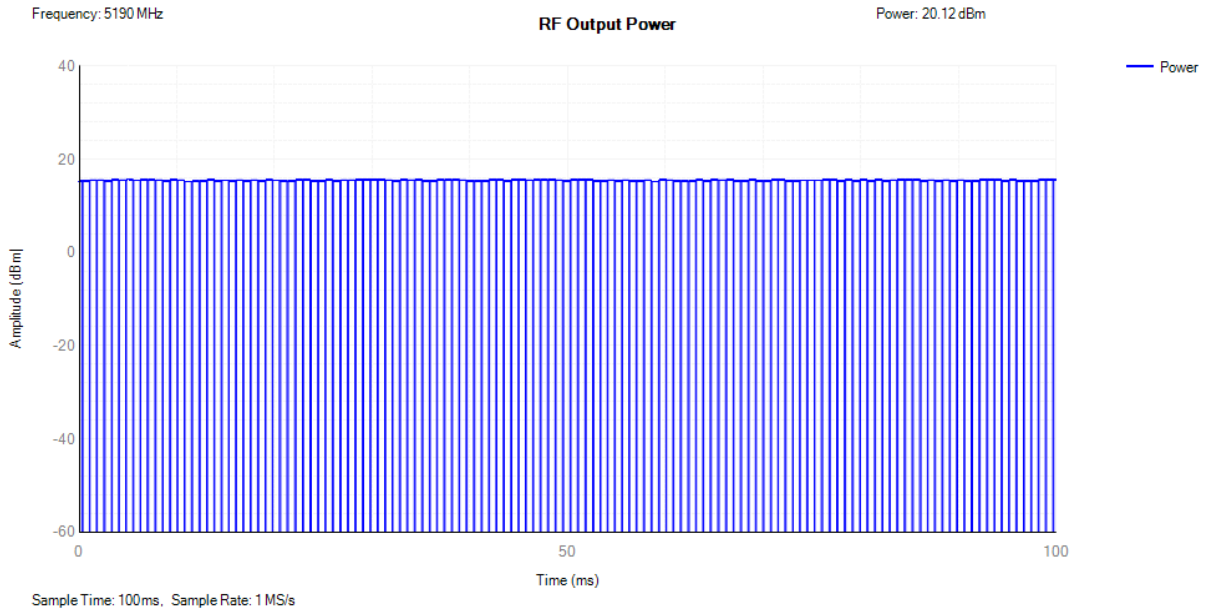
## Power NVNT 802.11ac20 5180MHz



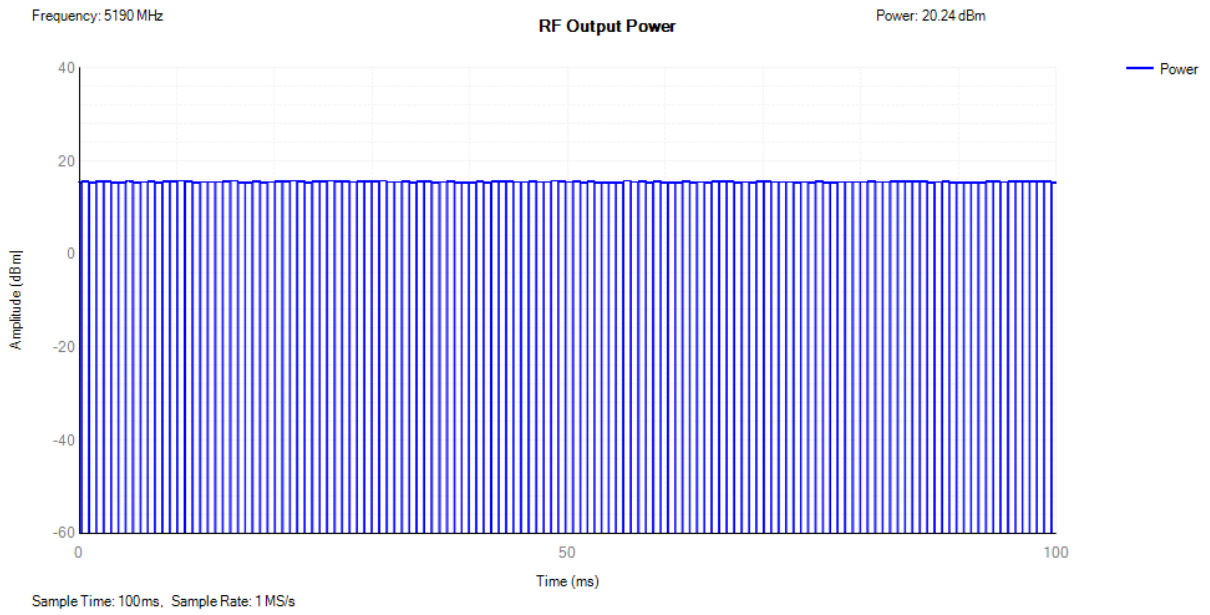
## Power NVHT 802.11ac40 5190MHz



## Power NVLT 802.11ac40 5190MHz

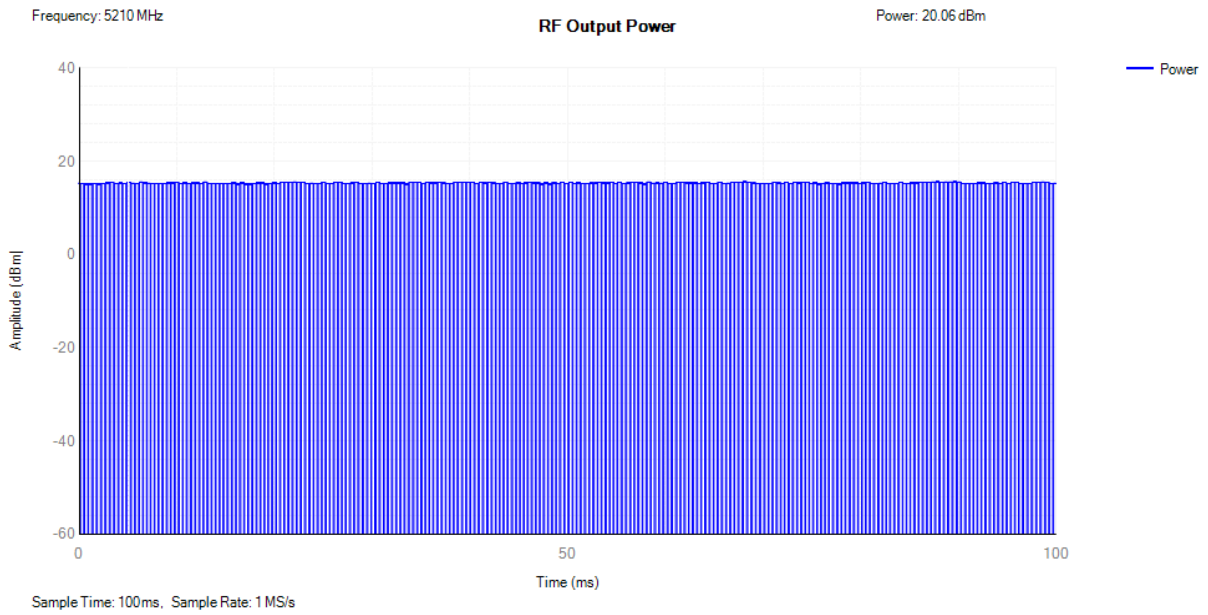


## Power NVNT 802.11ac40 5190MHz

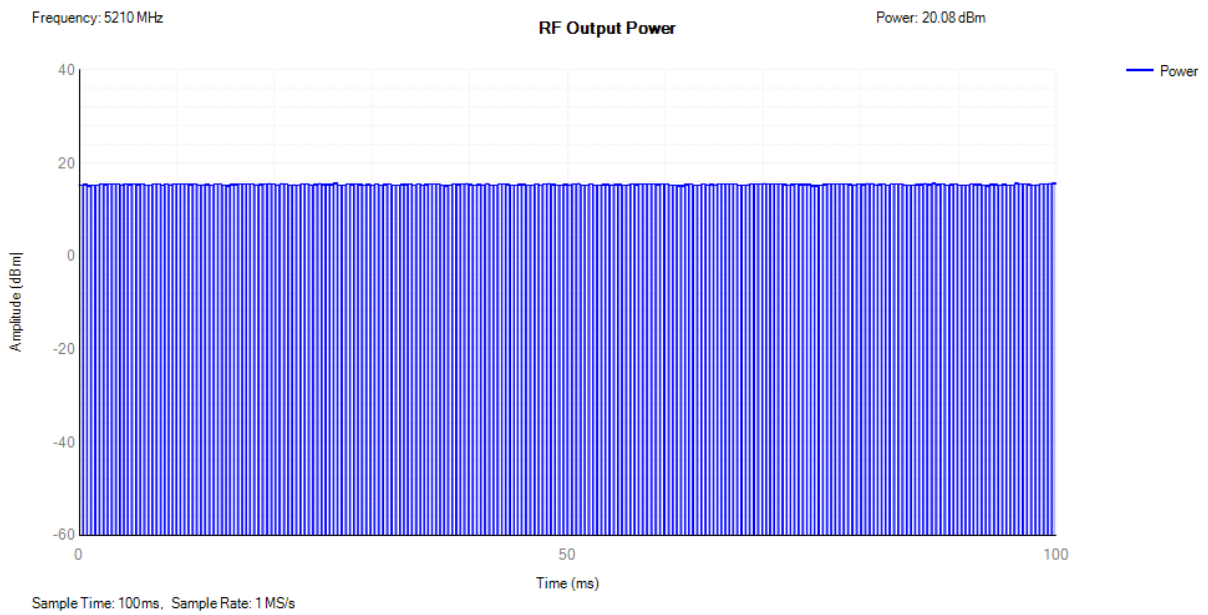




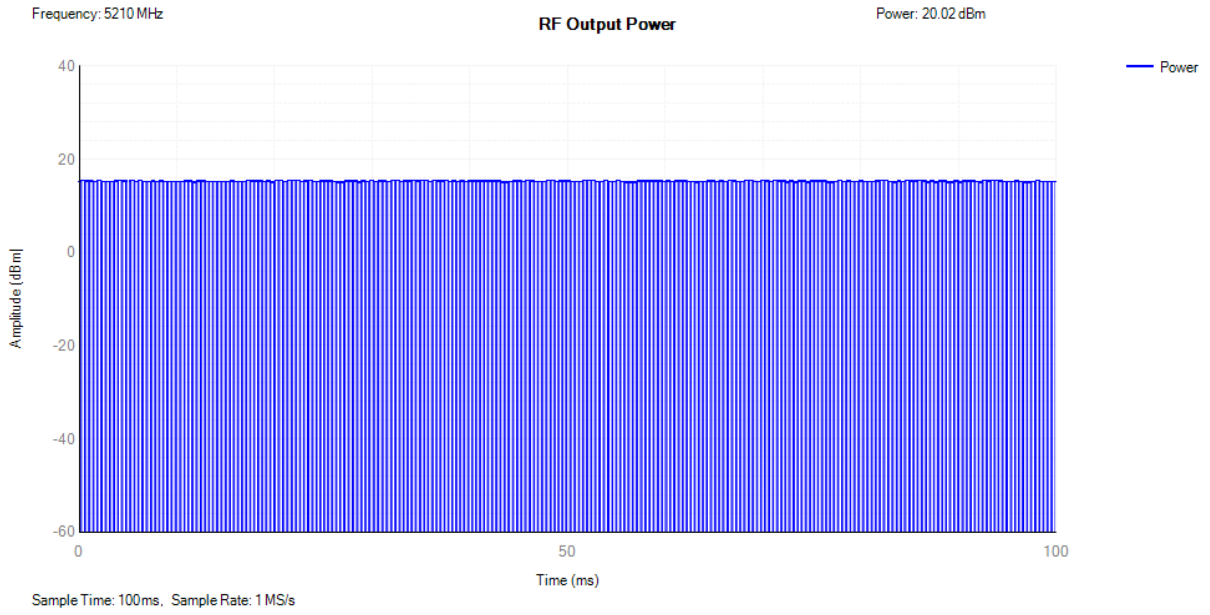
## Power NVHT 802.11ac80 5210MHz



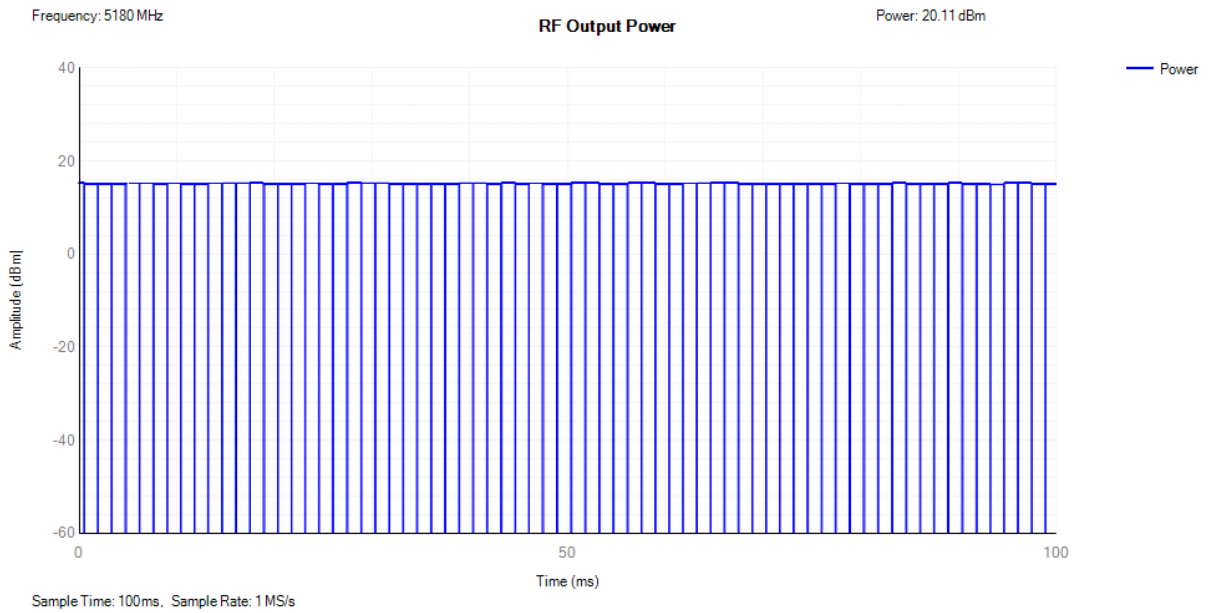
## Power NVLT 802.11ac80 5210MHz



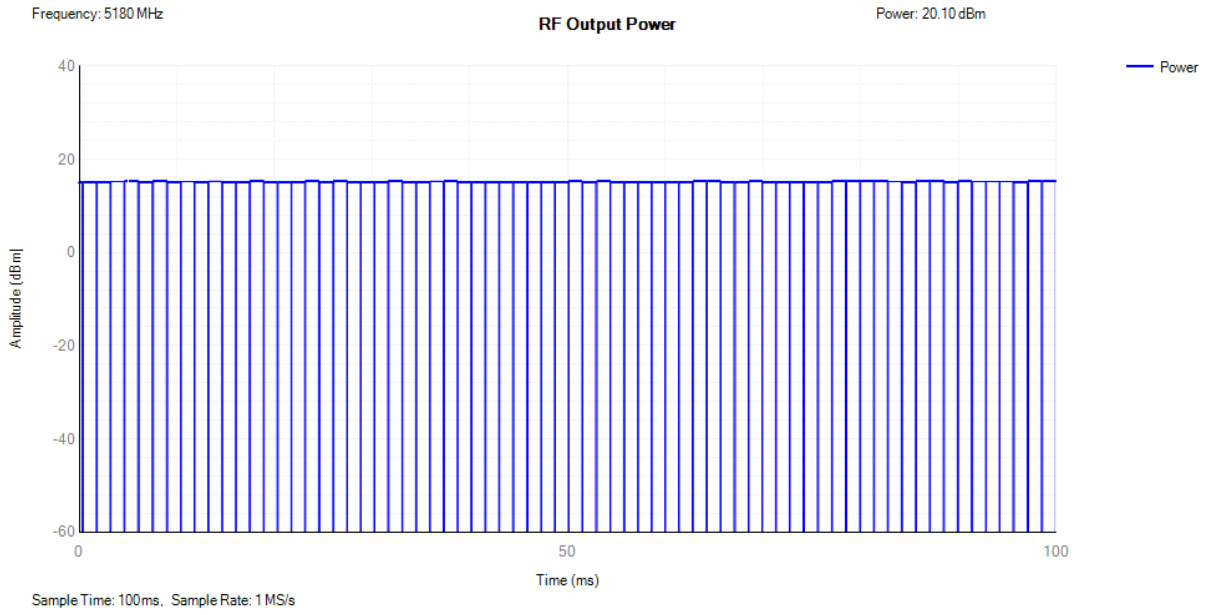
## Power NVNT 802.11ac80 5210MHz



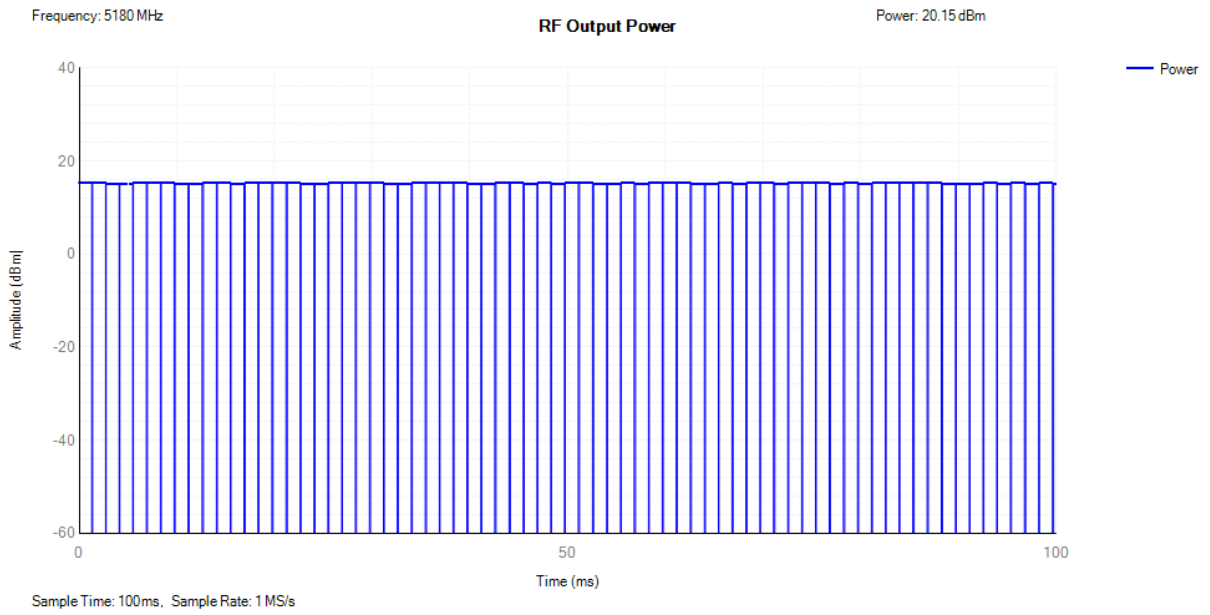
## Power NVHT 802.11n(HT20) 5180MHz



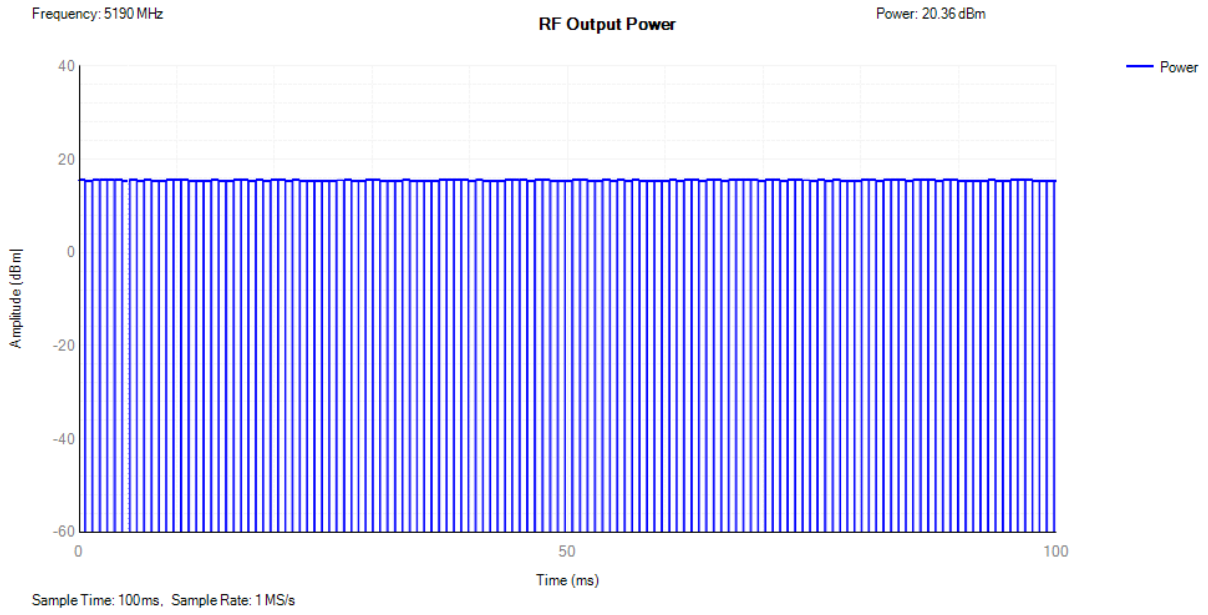
## Power NVLT 802.11n(HT20) 5180MHz



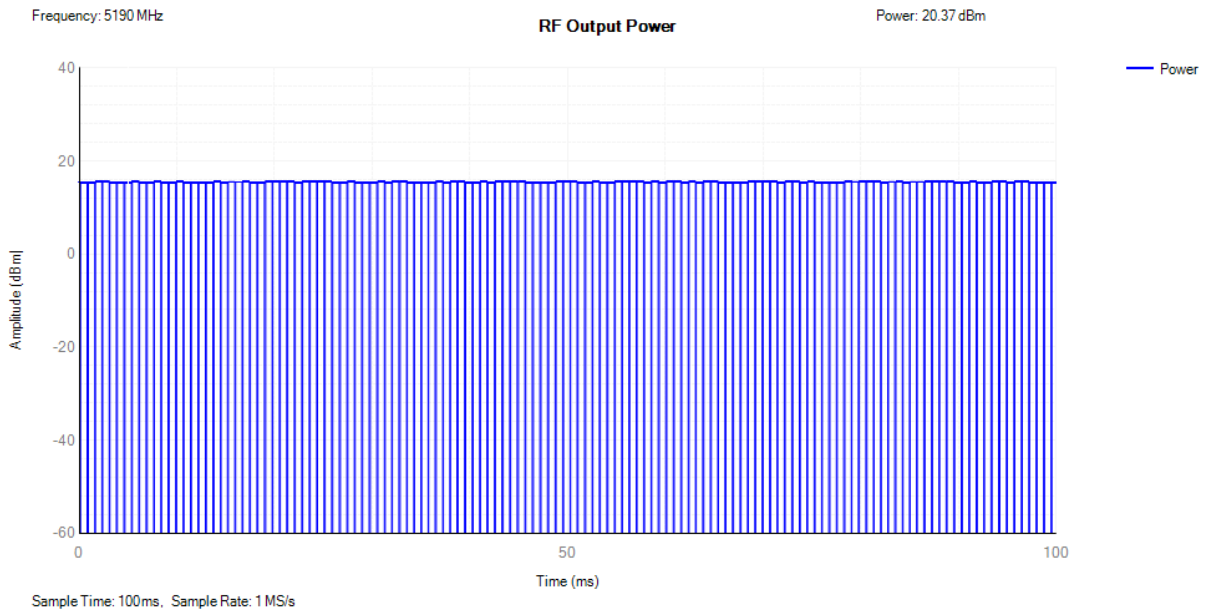
## Power NVNT 802.11n(HT20) 5180MHz



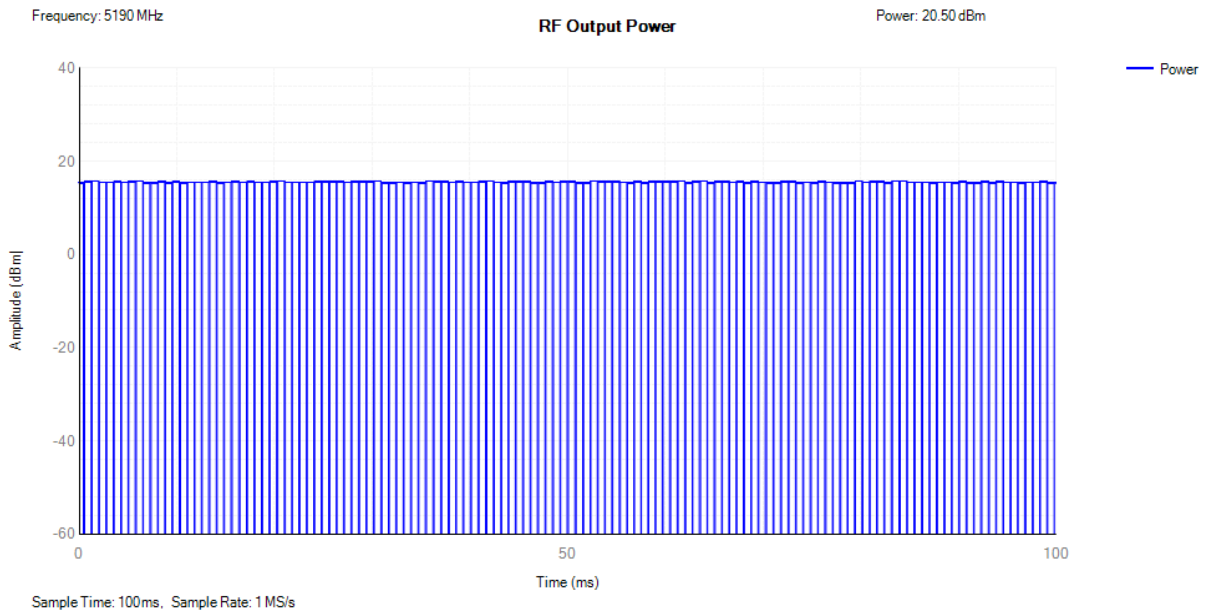
## Power NVHT 802.11n(HT40) 5190MHz



## Power NVLT 802.11n(HT40) 5190MHz



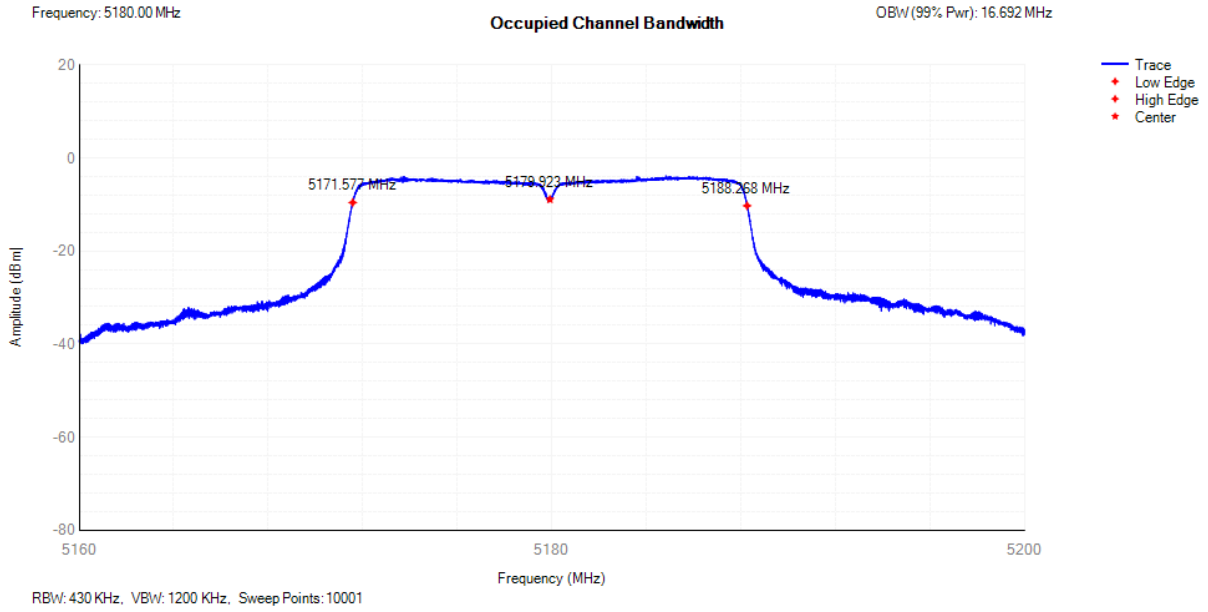
## Power NVNT 802.11n(HT40) 5190MHz



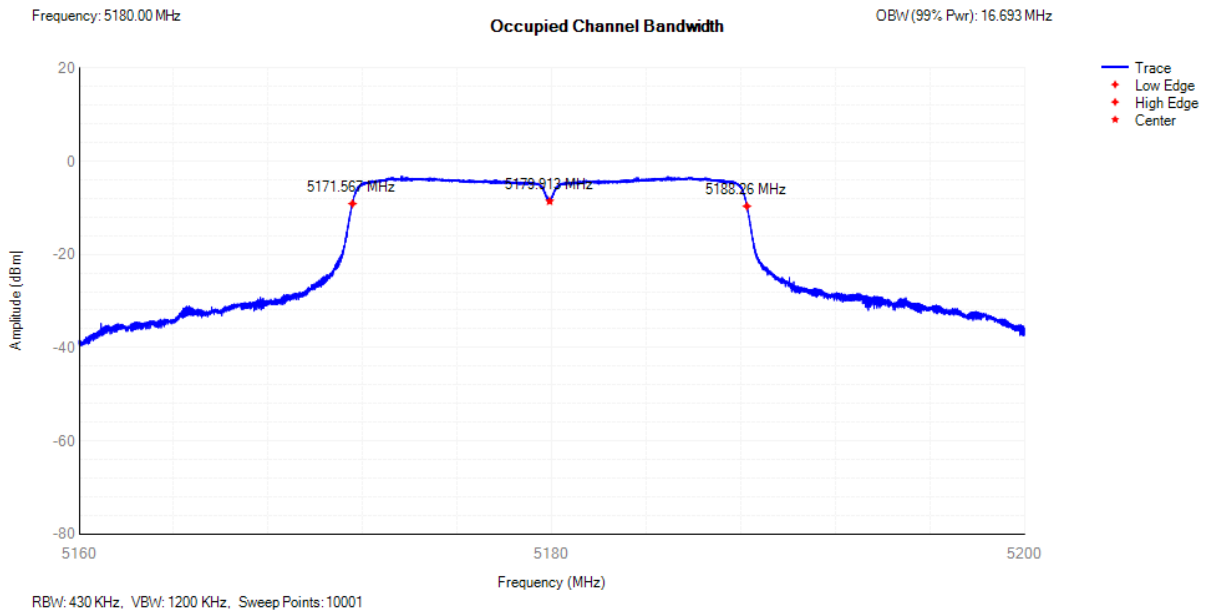
### 5.4.3 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Limit (MHz)	Upper Limit(MHz)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	5179.923	16.692	16	20	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	5179.913	16.693	16	20	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	5179.934	17.638	16	20	Pass
NVNT	802.11ac40	5190	5189.948	36.314	32	40	Pass
NVNT	802.11ac80	5210	5209.994	75.723	64	80	Pass
NVNT	802.11n(HT20)	5180	5179.938	17.633	16	20	Pass
NVNT	802.11n(HT40)	5190	5189.945	36.323	32	40	Pass

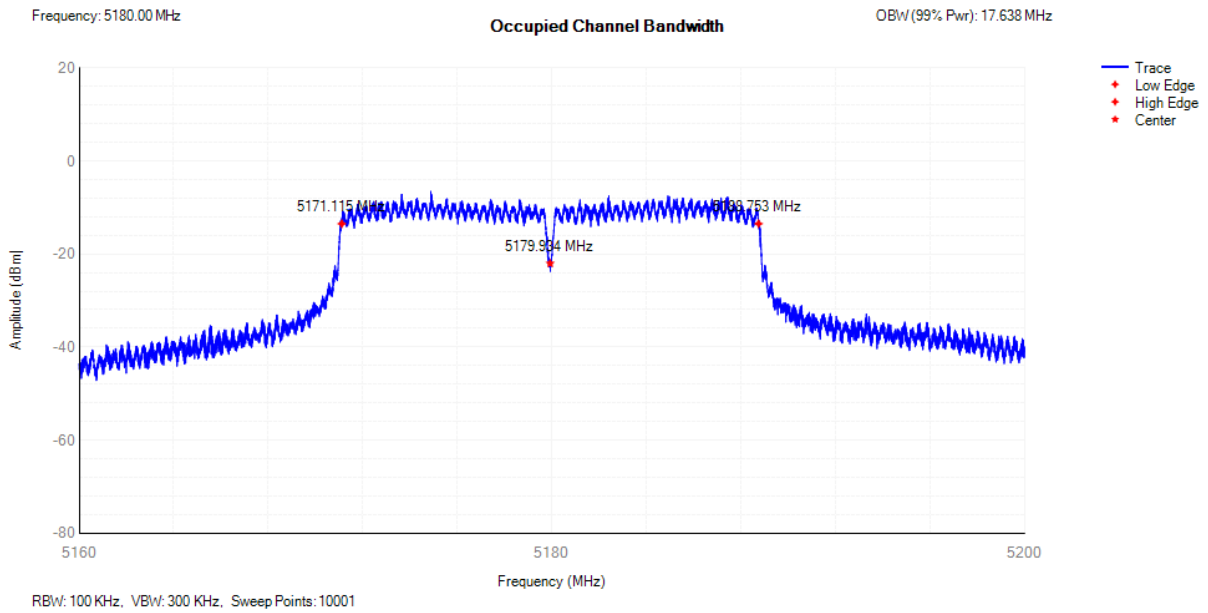
## 802.11a SISO-TX0 OBW NVNT 802.11a 5180MHz



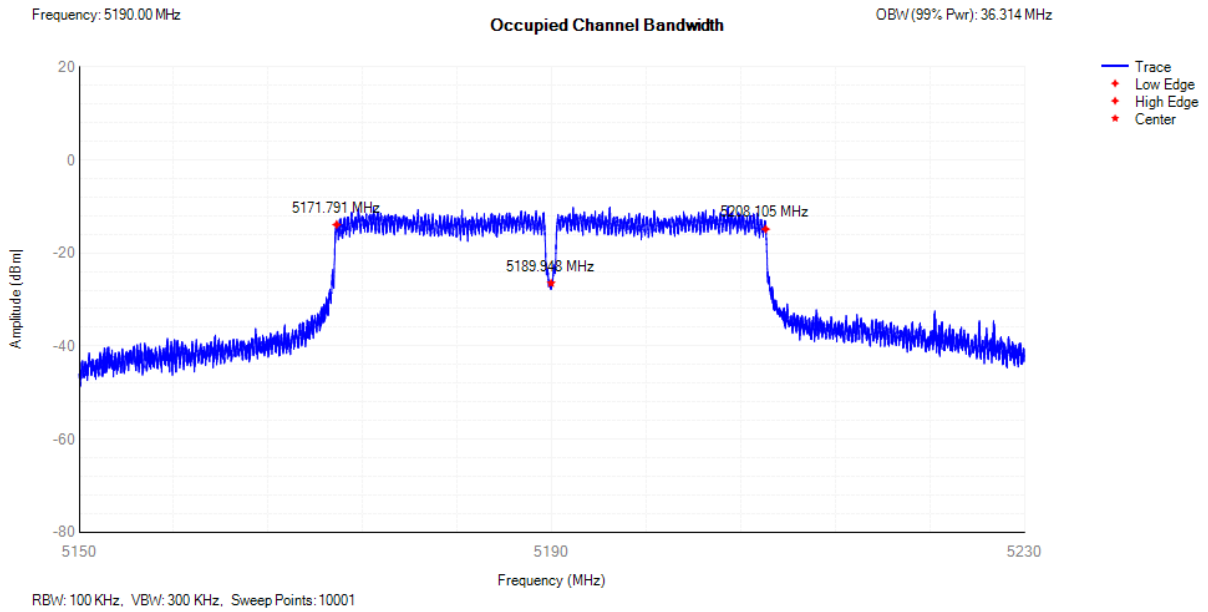
## 802.11a SISO-TX1 OBW NVNT 802.11a 5180MHz



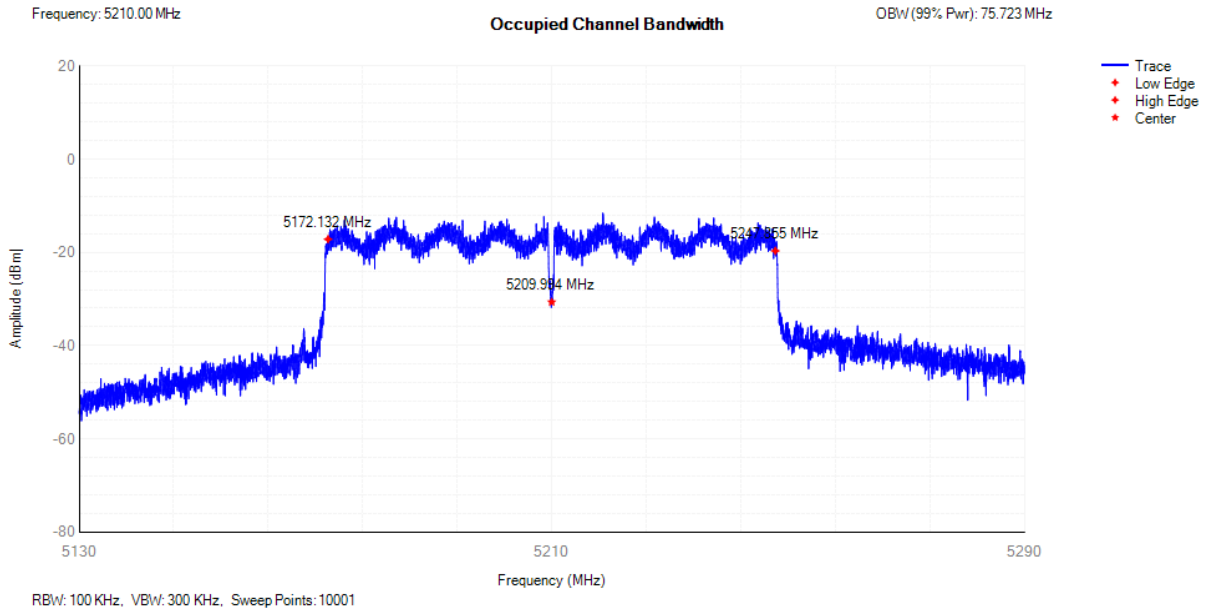
## 802.11n/ac MIMO OBW NVNT 802.11ac20 5180MHz



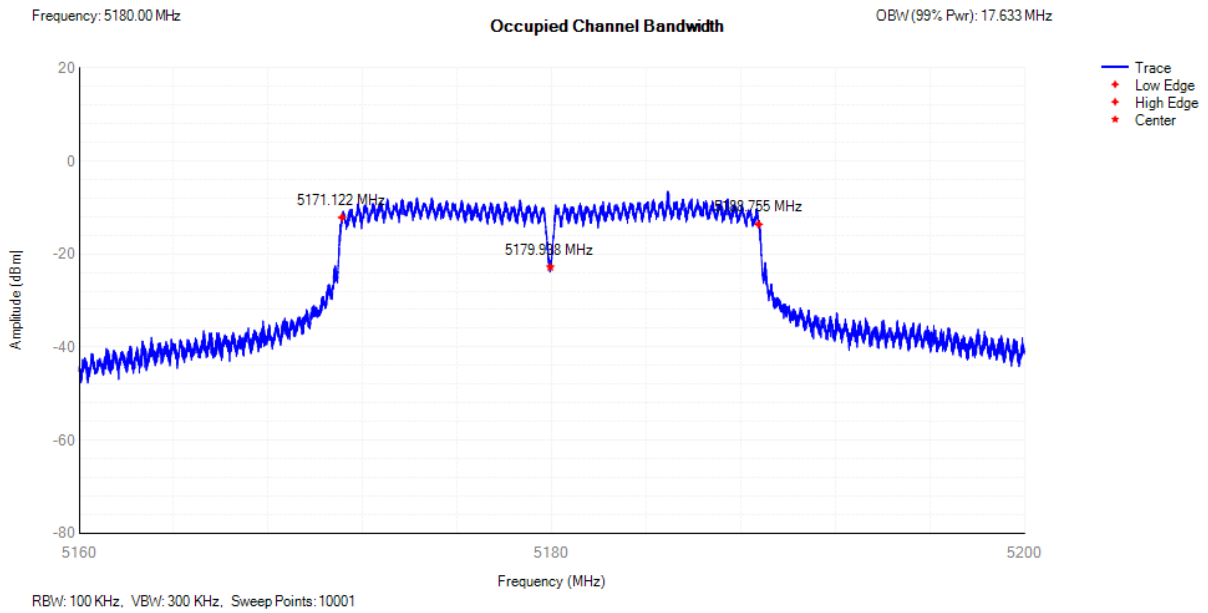
## OBW NVNT 802.11ac40 5190MHz



## OBW NVNT 802.11ac80 5210MHz

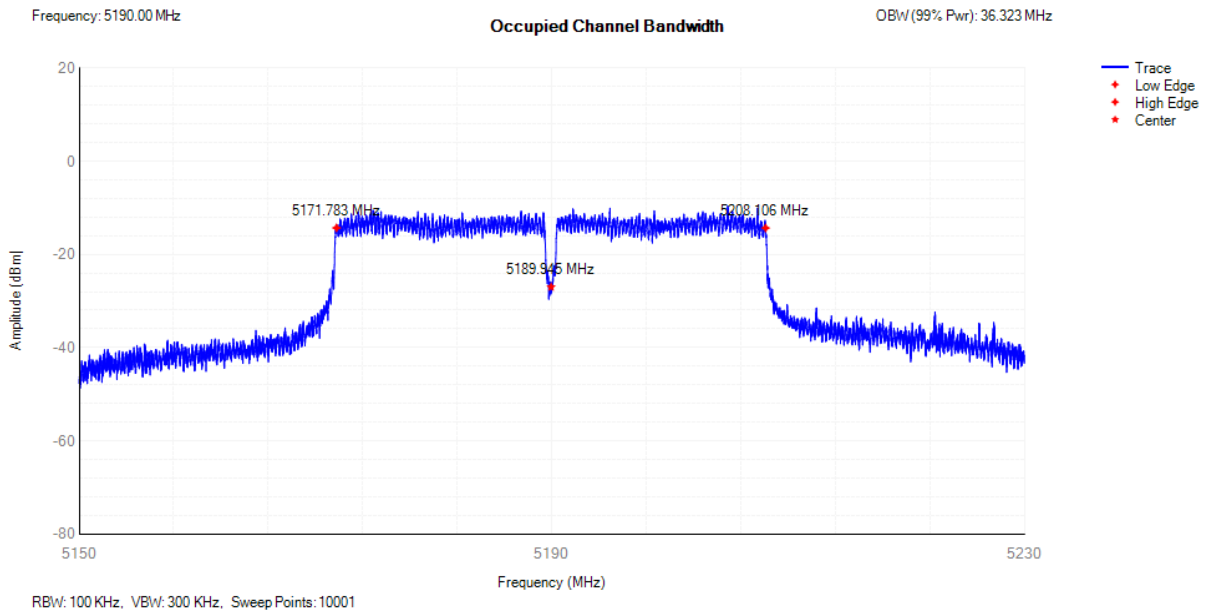


## OBW NVNT 802.11n(HT20) 5180MHz





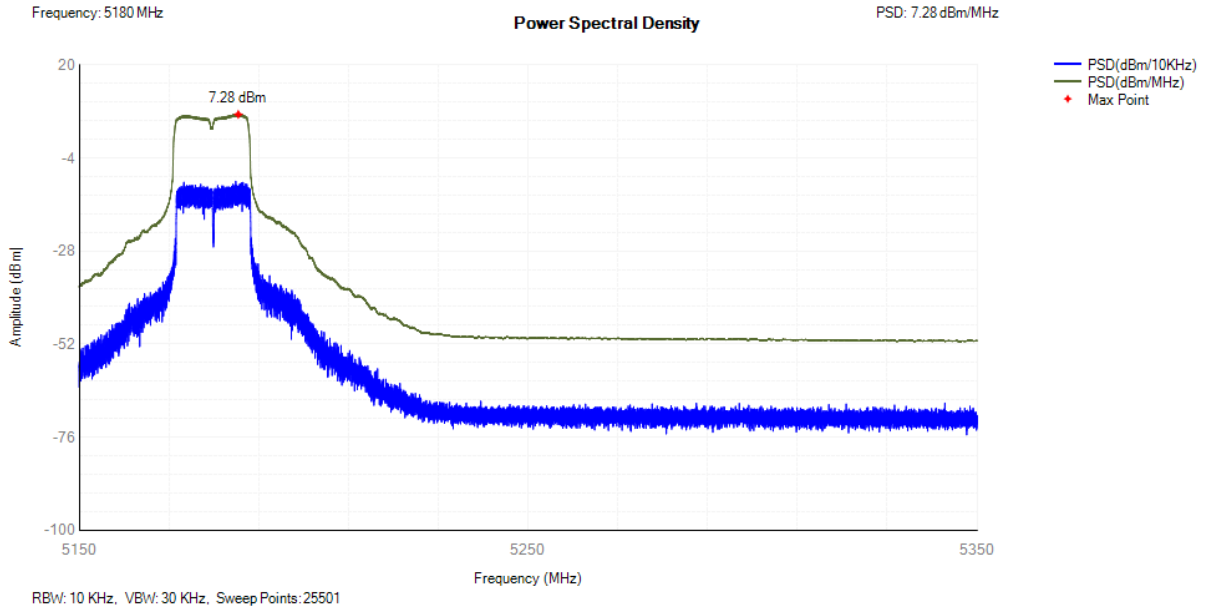
## OBW NVNT 802.11n(HT40) 5190MHz



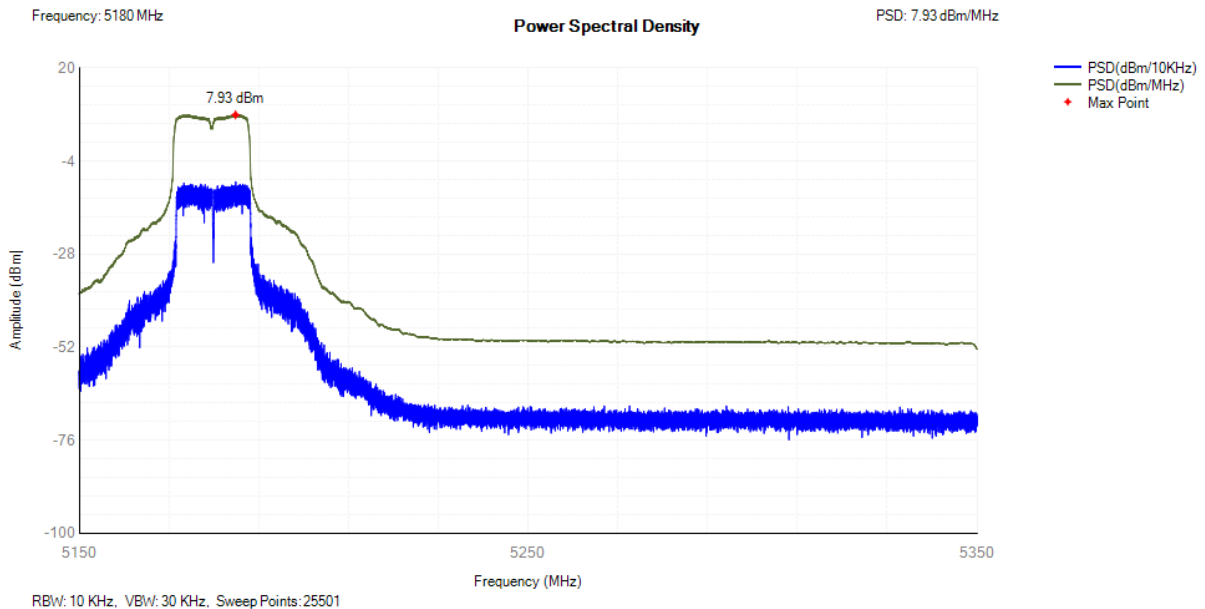
### 5.4.4 Power Spectral Density

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
<b>802.11a SISO-TX0</b>					
NVNT	802.11a	5180	7.28	10	Pass
<b>802.11a SISO-TX1</b>					
NVNT	802.11a	5180	7.93	10	Pass
<b>802.11n/ac MIMO</b>					
NVNT	802.11ac20	5180	7.35	10	Pass
NVNT	802.11ac40	5190	4.6	10	Pass
NVNT	802.11ac80	5210	2.54	10	Pass
NVNT	802.11n(HT20)	5180	7.46	10	Pass
NVNT	802.11n(HT40)	5190	4.82	10	Pass

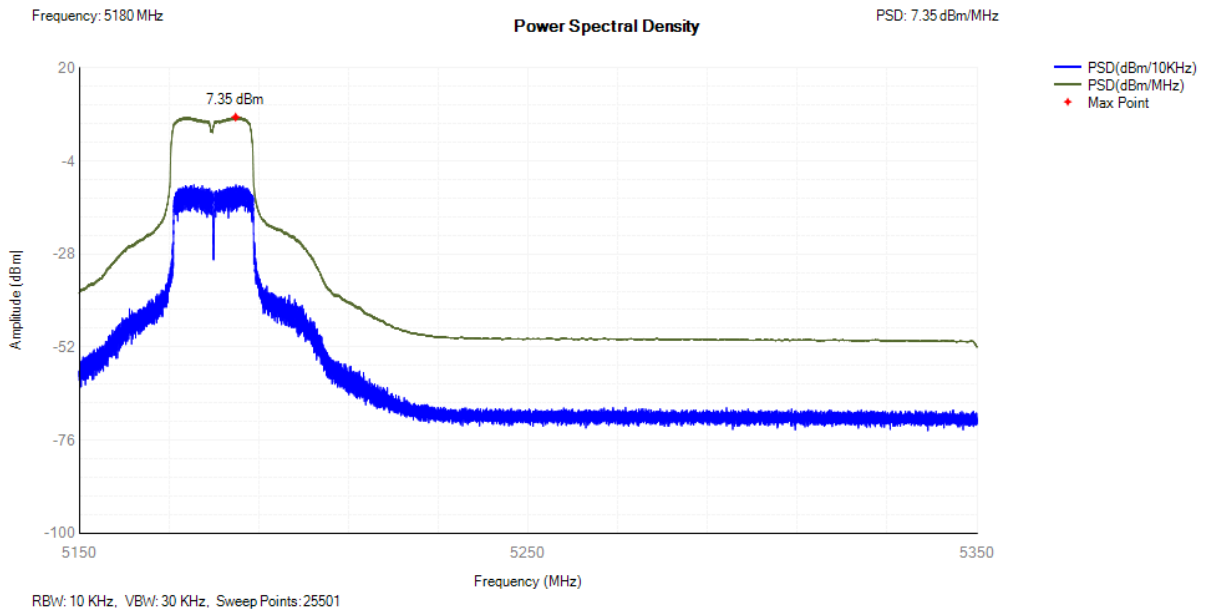
## 802.11a SISO-TX0 PSD NVNT 802.11a 5180MHz



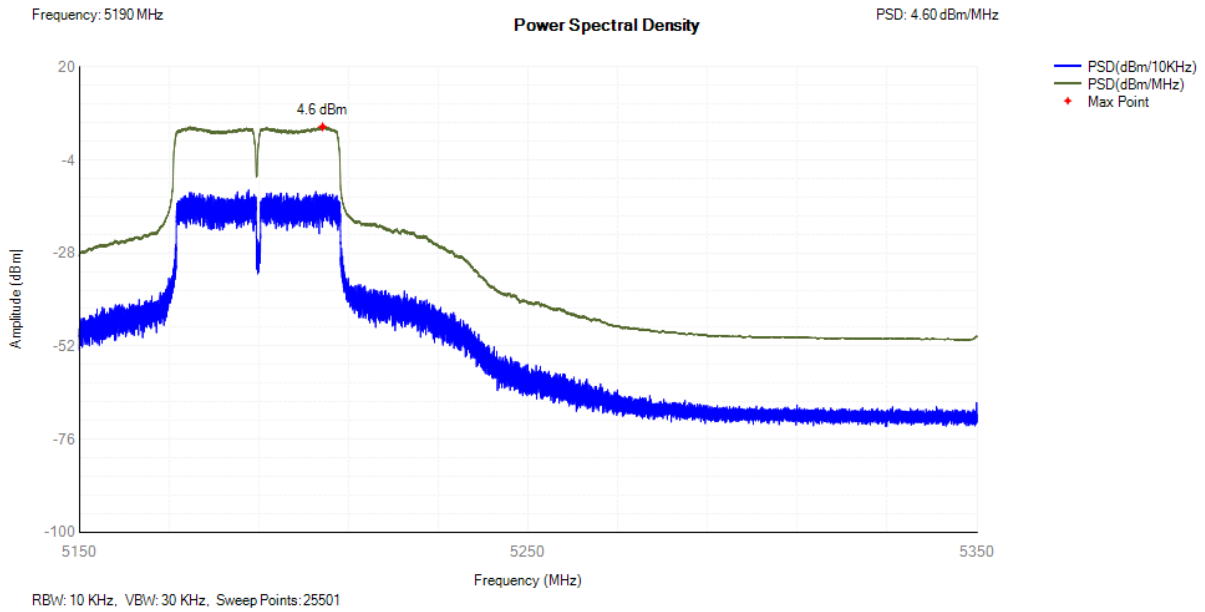
## 802.11a SISO-TX1 PSD NVNT 802.11a 5180MHz



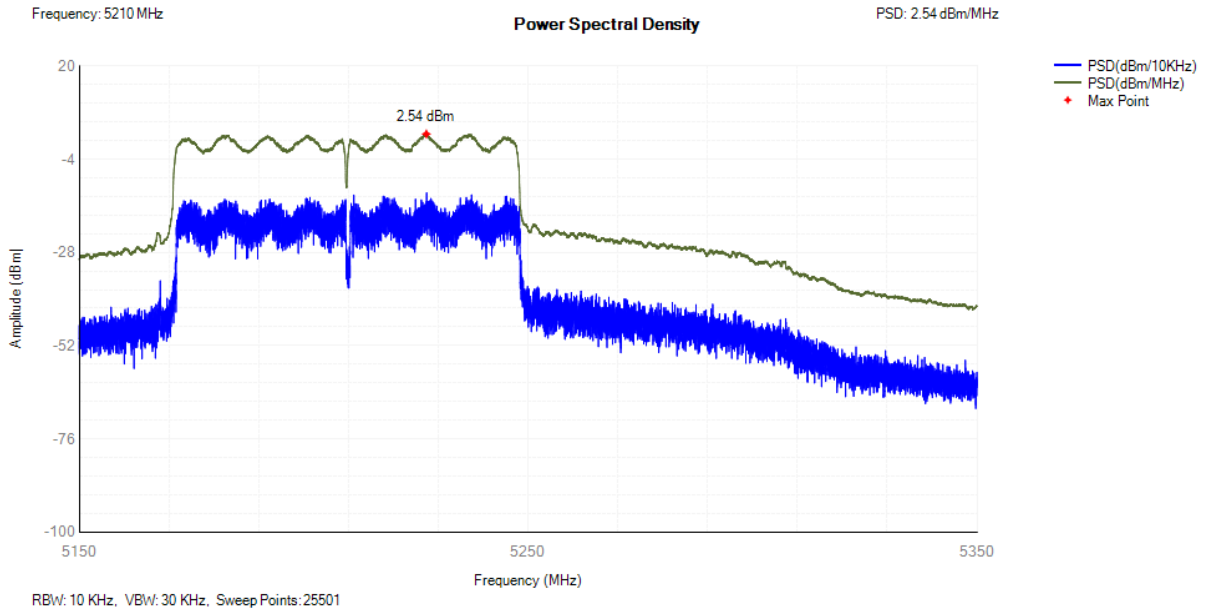
## 802.11n/ac MIMO PSD NVNT 802.11ac20 5180MHz



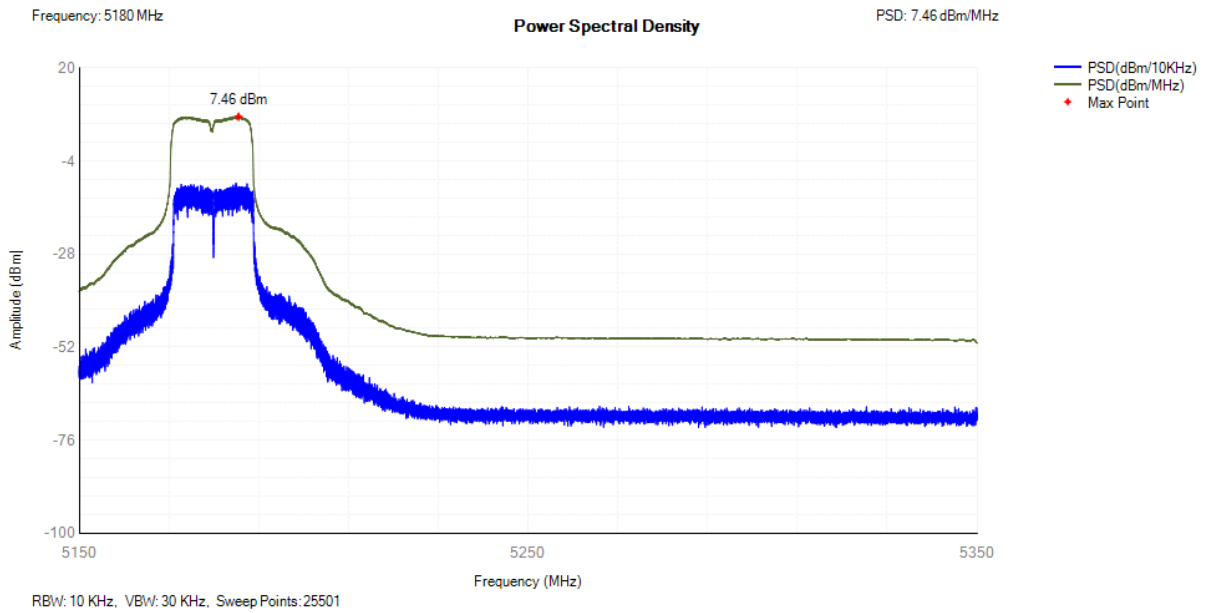
## PSD NVNT 802.11ac40 5190MHz



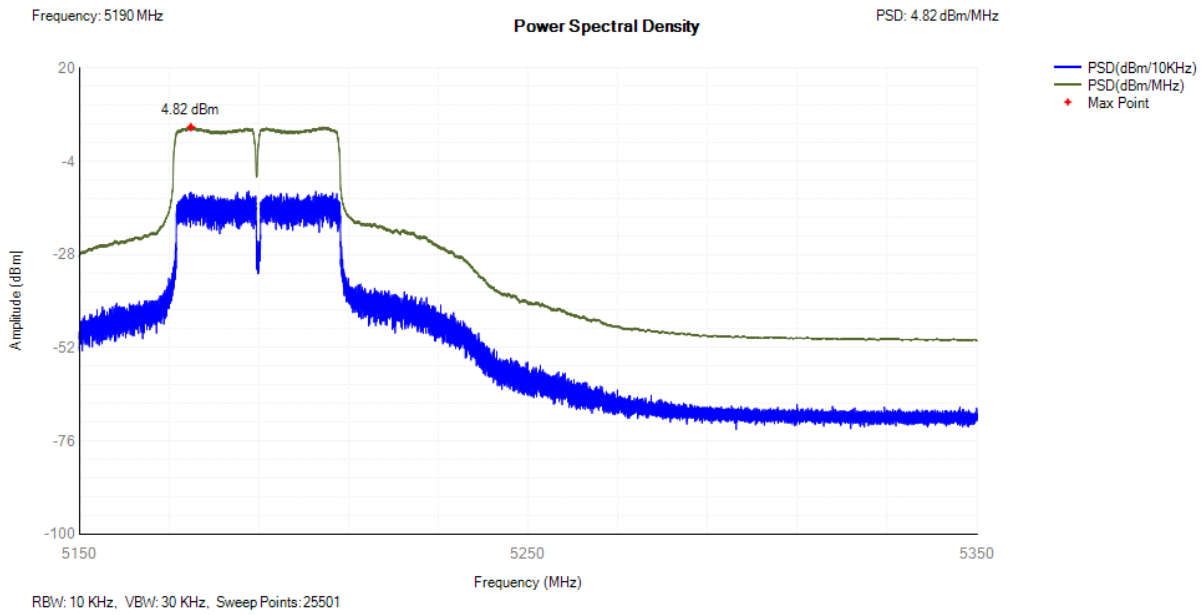
## PSD NVNT 802.11ac80 5210MHz



## PSD NVNT 802.11n(HT20) 5180MHz



## PSD NVNT 802.11n(HT40) 5190MHz

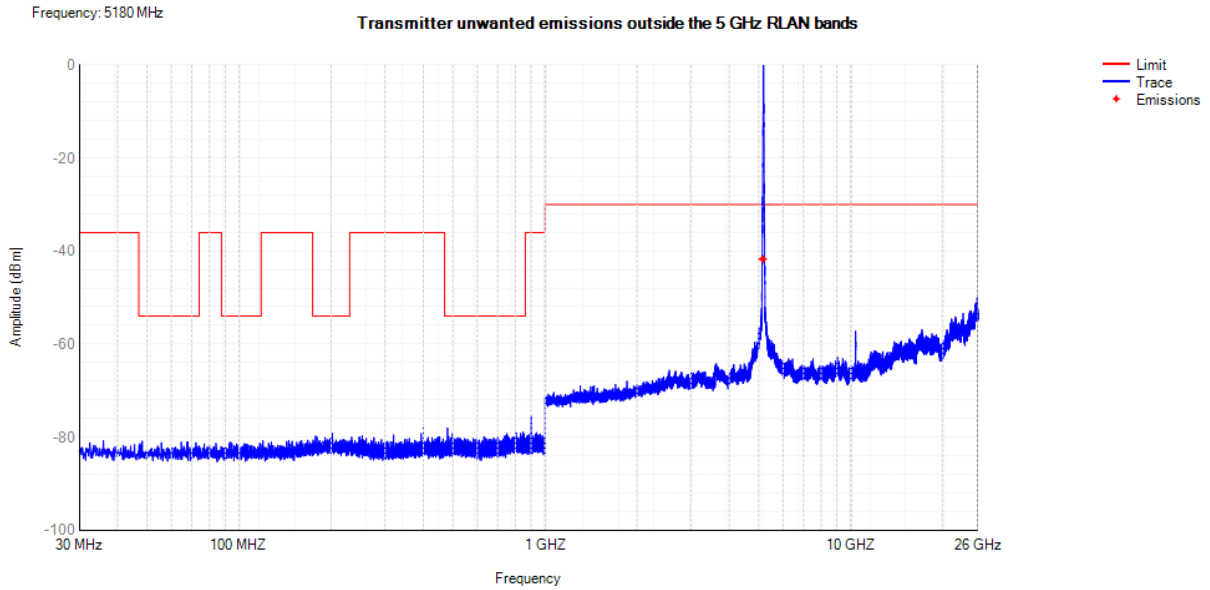


### 5.4.5 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	1000 MHz -5150 MHz	5149	-41.72	-30	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	1000 MHz -5150 MHz	5149	-43.47	-54	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	1000 MHz -5150 MHz	5149	-40.91	-30	Pass
NVNT	802.11ac40	5190	1000 MHz -5150 MHz	5148	-31.26	-30	Pass
NVNT	802.11ac80	5210	1000 MHz -5150 MHz	5148	-30.95	-30	Pass
NVNT	802.11ac80	5210	5350 MHz -5470 MHz	5353	-45.41	-30	Pass
NVNT	802.11n(HT20)	5180	470 MHz -862 MHz	5149	-40.04	-30	Pass
NVNT	802.11n(HT40)	5190	1000 MHz -5150 MHz	5149	-30.63	-30	Pass

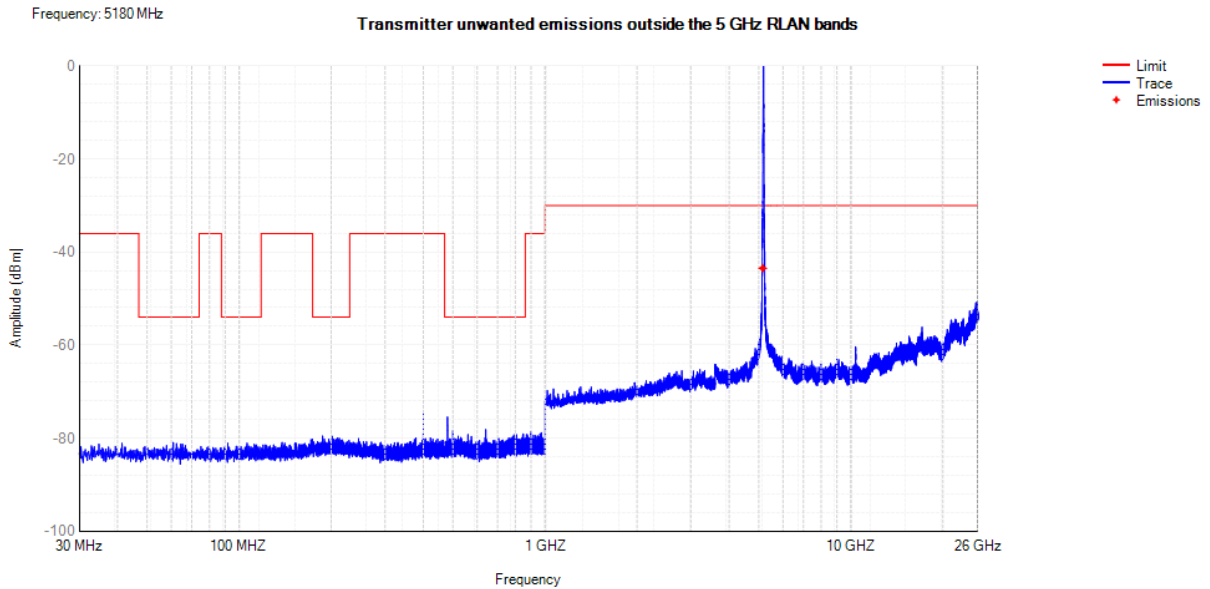
## 802.11a SISO-TX0

Tx. Spurious NVNT 802.11a 5180MHz



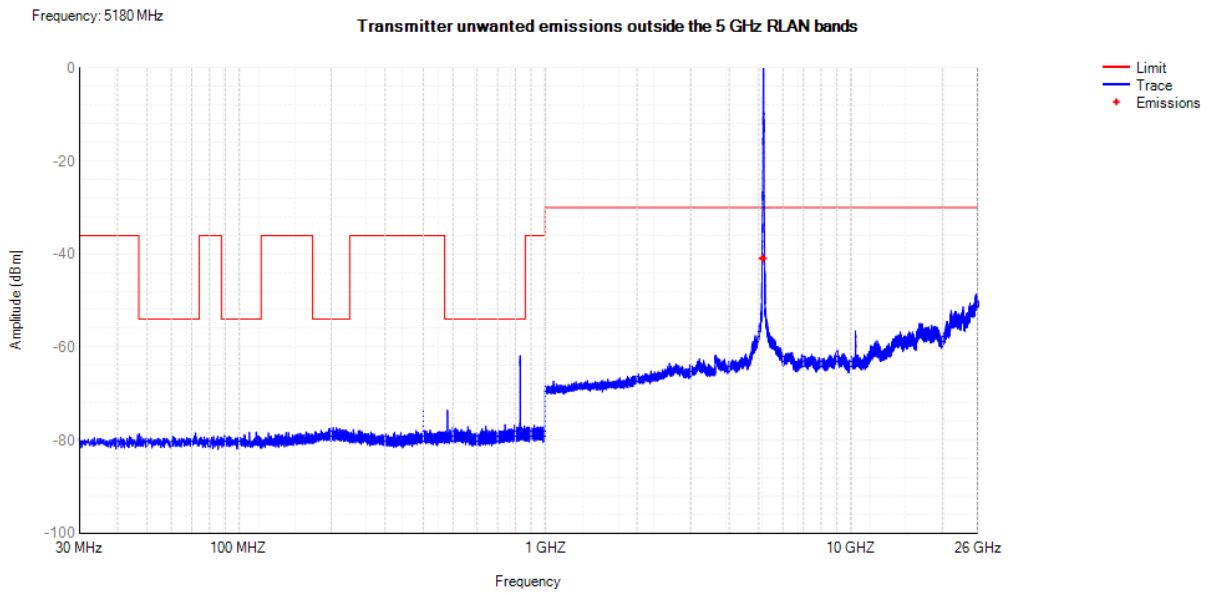
## 802.11a SISO-TX1

Tx. Spurious NVNT 802.11a 5180MHz

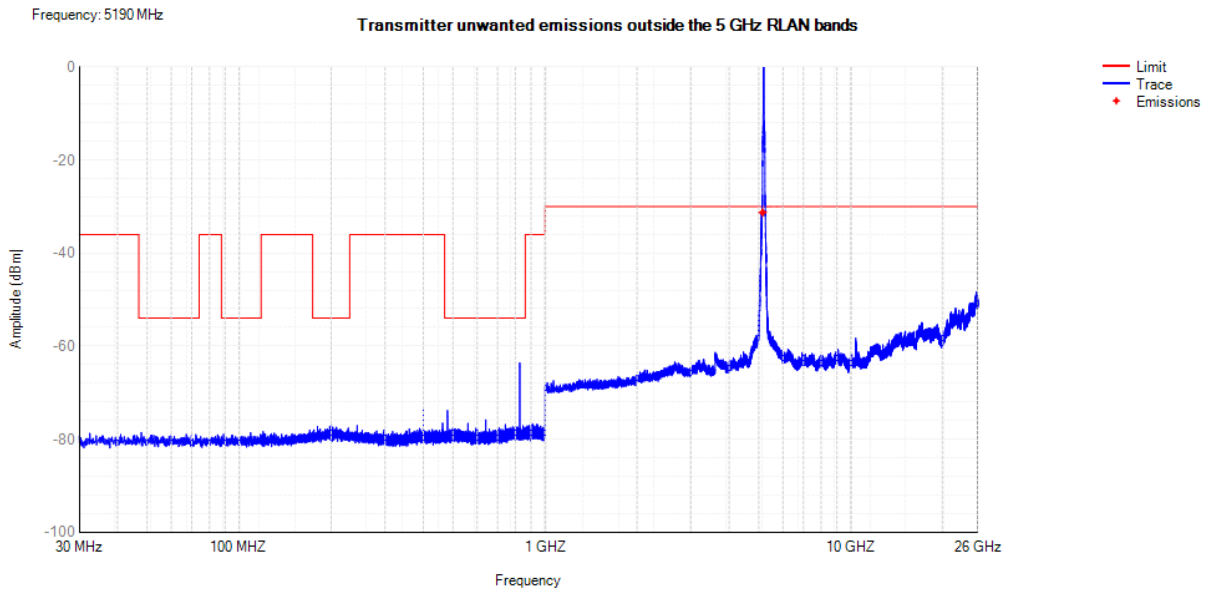


## 802.11n/ac MIMO

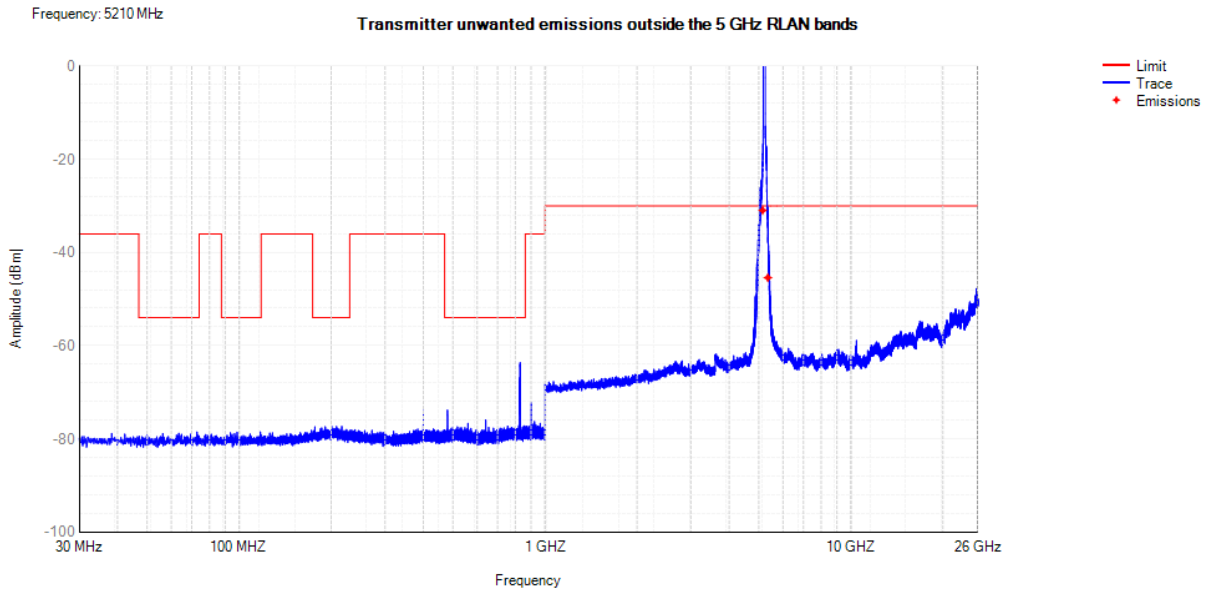
Tx. Spurious NVNT 802.11ac20 5180MHz



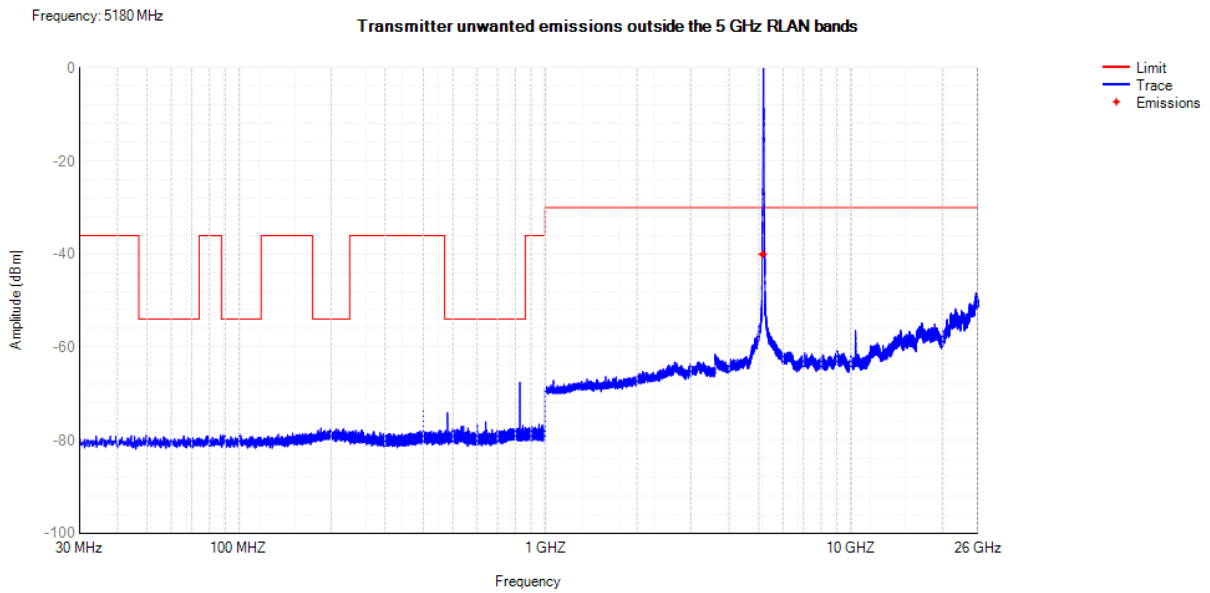
Tx. Spurious NVNT 802.11ac40 5190MHz



### Tx. Spurious NVNT 802.11ac80 5210MHz

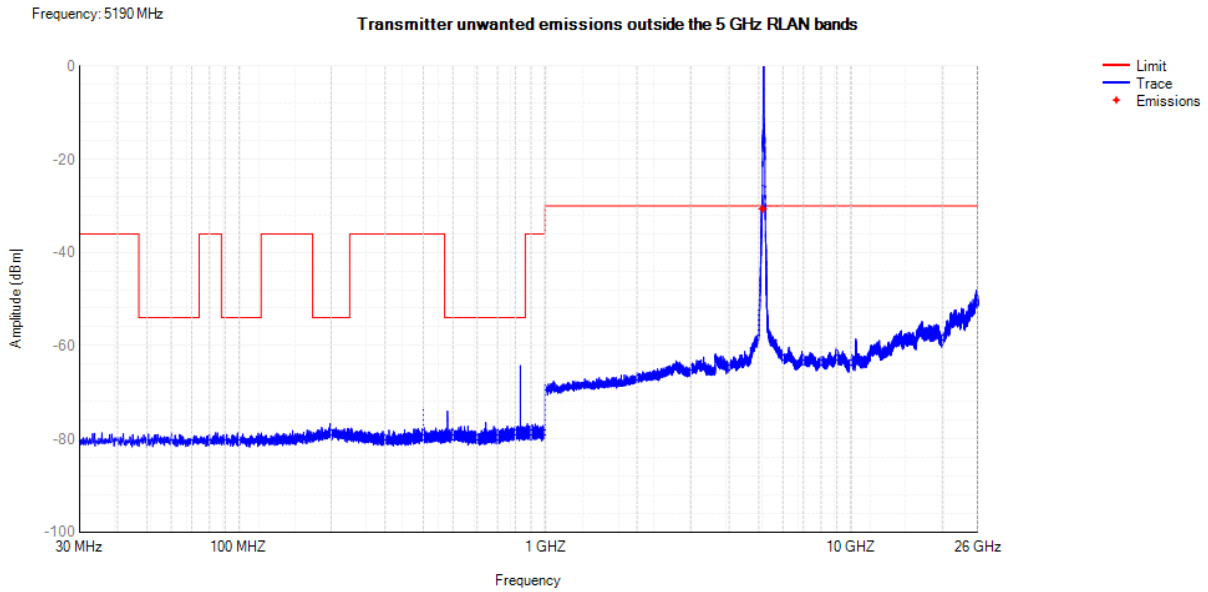


### Tx. Spurious NVNT 802.11n(HT20) 5180MHz





Tx. Spurious NVNT 802.11n(HT40) 5190MHz

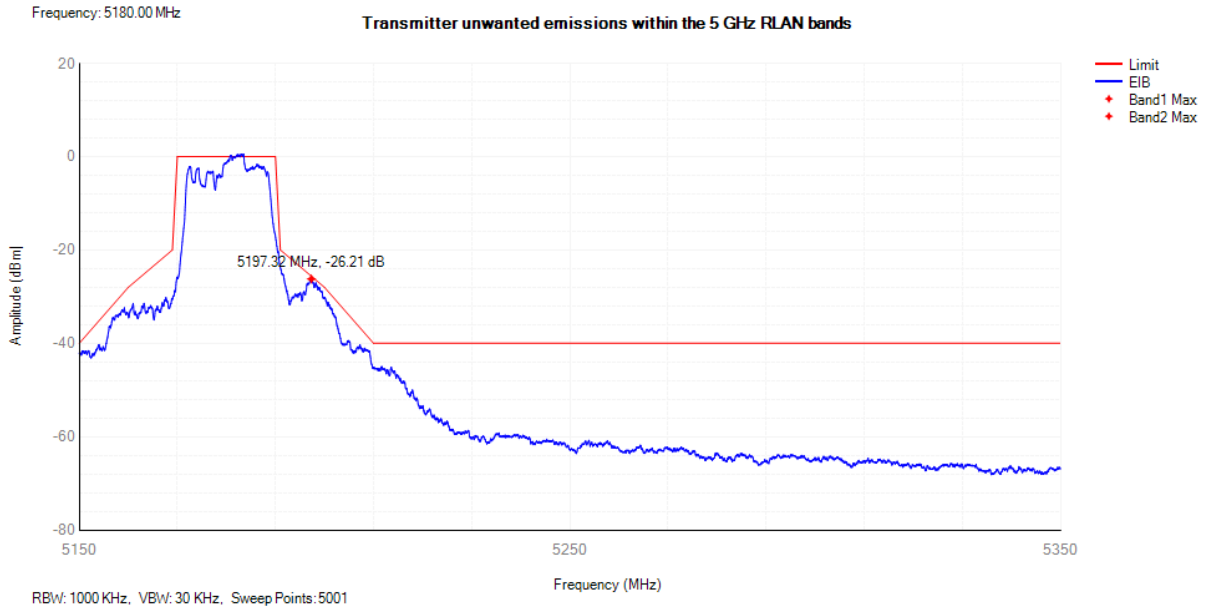


### 5.4.6 Transmitter unwanted emissions within the 5 GHz WLAN bands

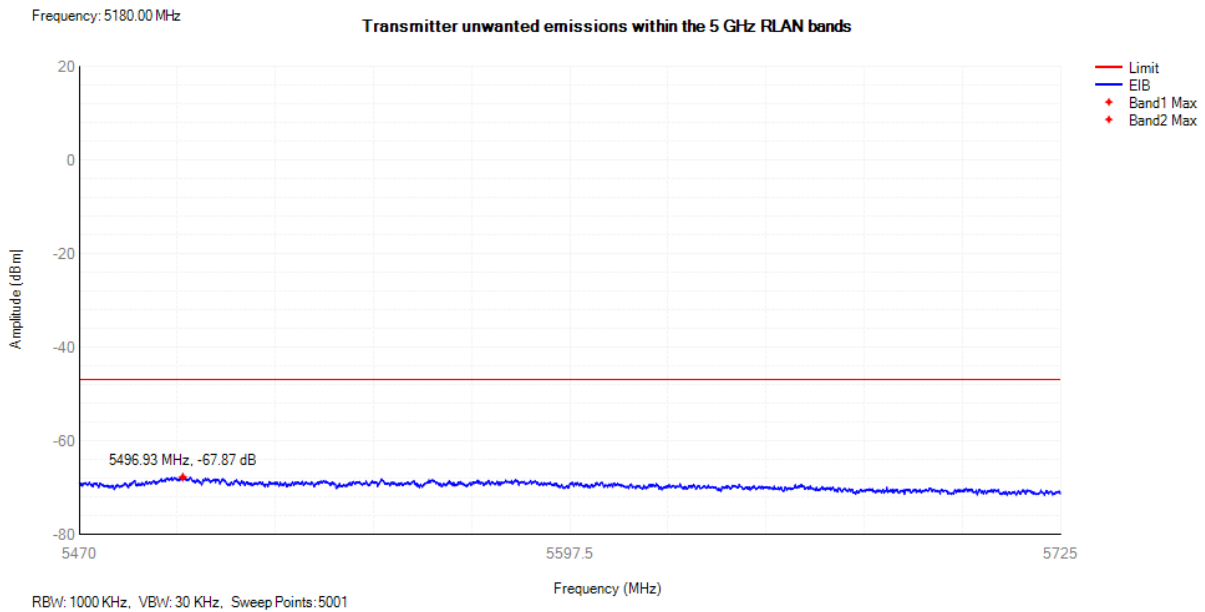
Condition	Mode	Frequency (MHz)	Sub Band	Worst EIB Frequency (MHz)	Level (dB)	Limit (dB)	Verdict
<b>802.11a SISO-TX0</b>							
NVNT	802.11a	5180	Band1	5197.32	-26.21	-25.61	Pass
NVNT	802.11a	5180	Band2	5496.93	-67.87	-47	Pass
<b>802.11a SISO-TX1</b>							
NVNT	802.11a	5180	Band1	5198.48	-27.9	-26.64	Pass
NVNT	802.11a	5180	Band2	5508.15	-69.07	-47	Pass
<b>802.11n/ac MIMO</b>							
NVNT	802.11ac20	5180	Band1	5191	-20.64	-20	Pass
NVNT	802.11ac20	5180	Band2	5499.99	-68.44	-47	Pass
NVNT	802.11ac40	5190	Band1	5220.92	-25.5	-23.96	Pass
NVNT	802.11ac40	5190	Band2	5643.96	-69.27	-47	Pass
NVNT	802.11ac80	5210	Band1	5304.6	-35.21	-32.37	Pass
NVNT	802.11ac80	5210	Band2	5483.87	-66.23	-40	Pass
NVNT	802.11n(HT20)	5180	Band1	5191.04	-21.72	-20.03	Pass
NVNT	802.11n(HT20)	5180	Band2	5495.45	-69.82	-47	Pass
NVNT	802.11n(HT40)	5190	Band1	5220.48	-24.58	-23.76	Pass
NVNT	802.11n(HT40)	5190	Band2	5643.04	-70.13	-47	Pass

## 802.11a SISO-TX0

### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

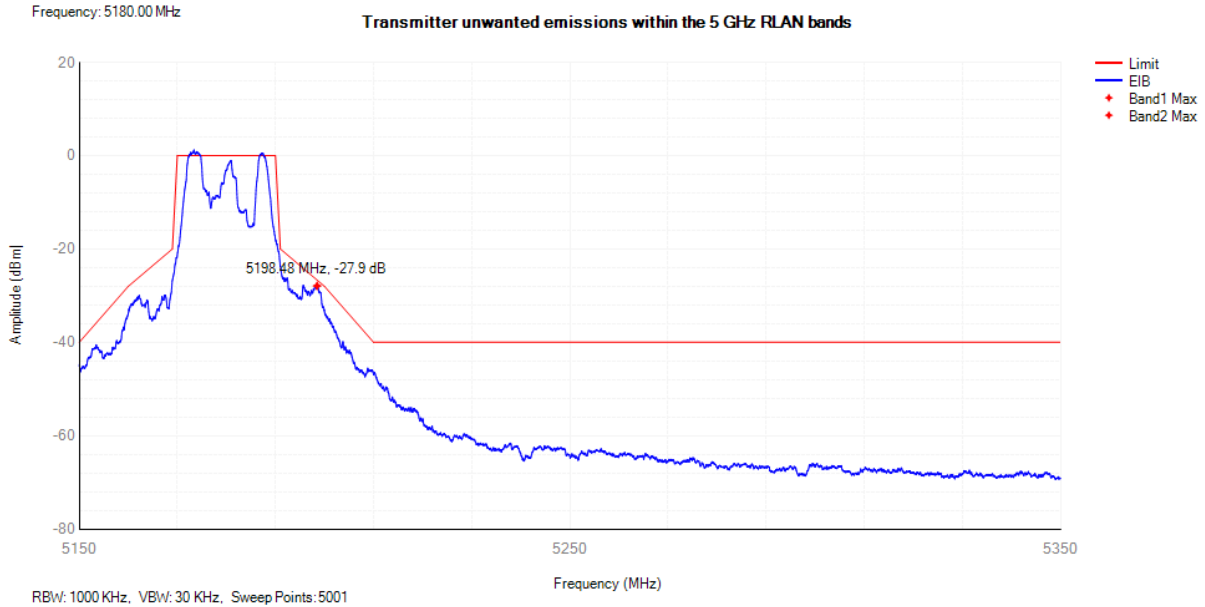


### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2

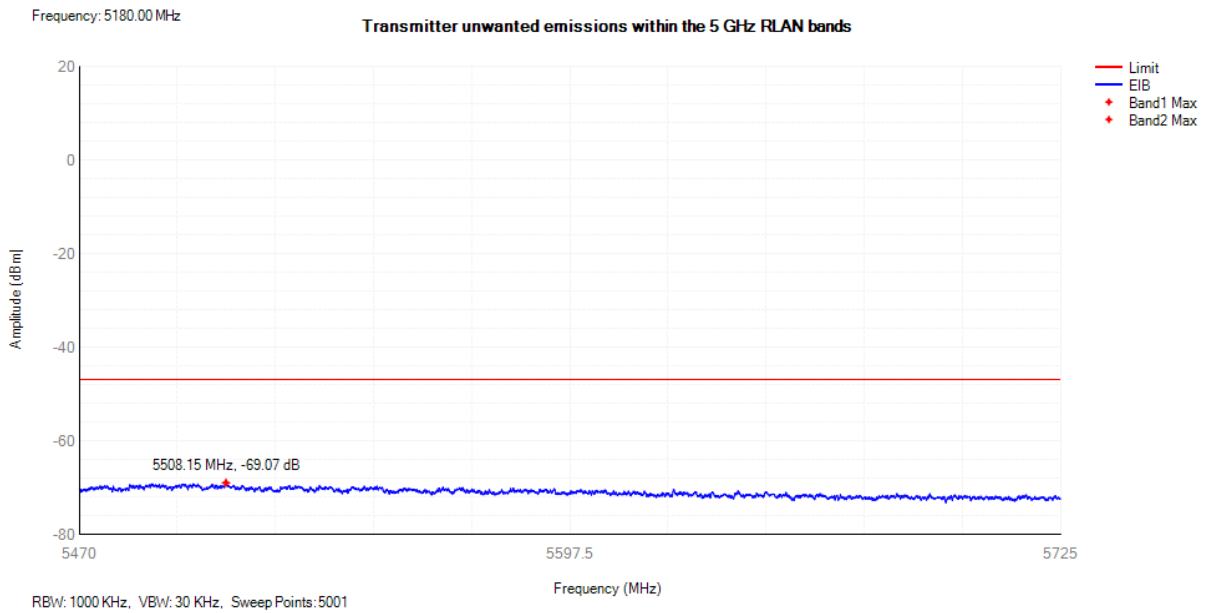


## 802.11a SISO-TX1

### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band1

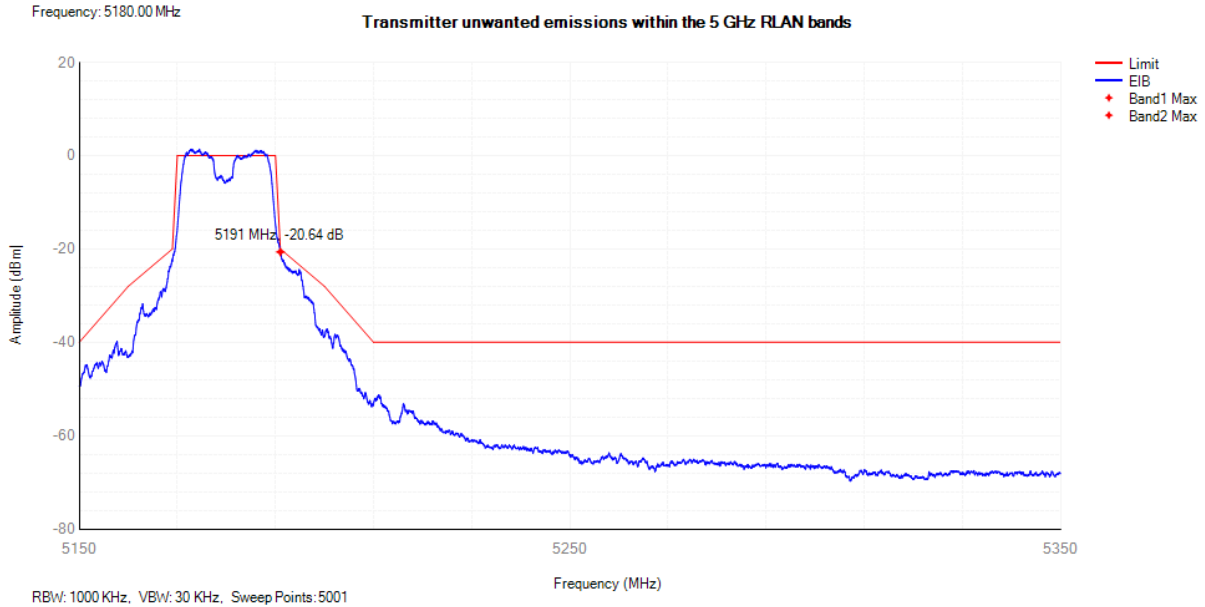


### Tx. Emissions EIB NVNT 802.11a 5180MHz Sub Band2

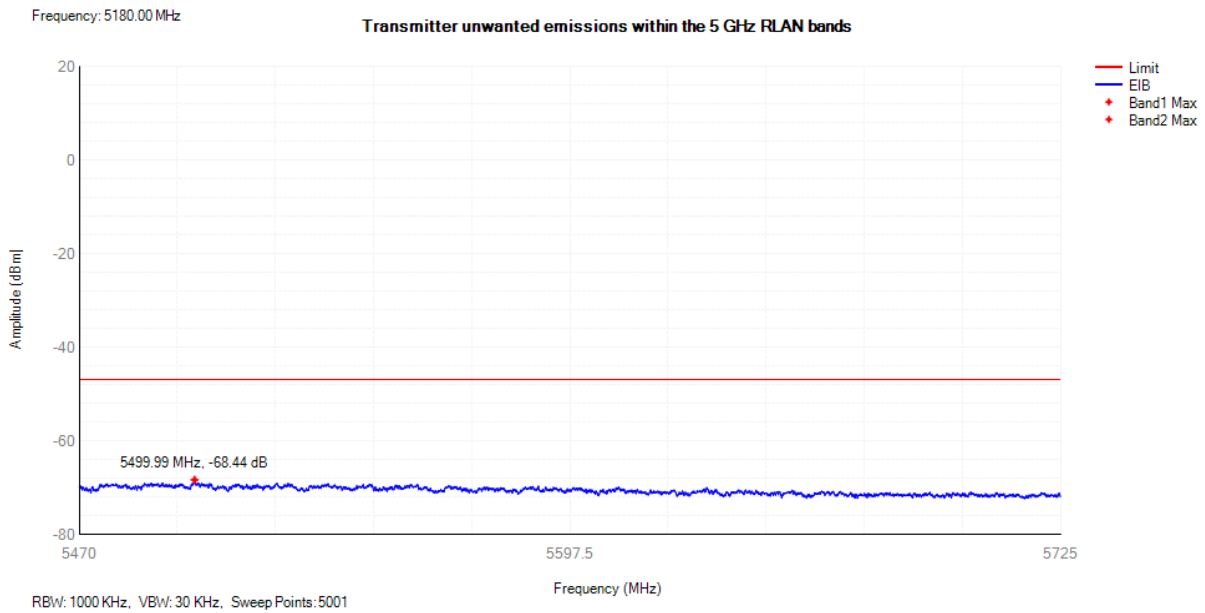


## 802.11n/ac MIMO

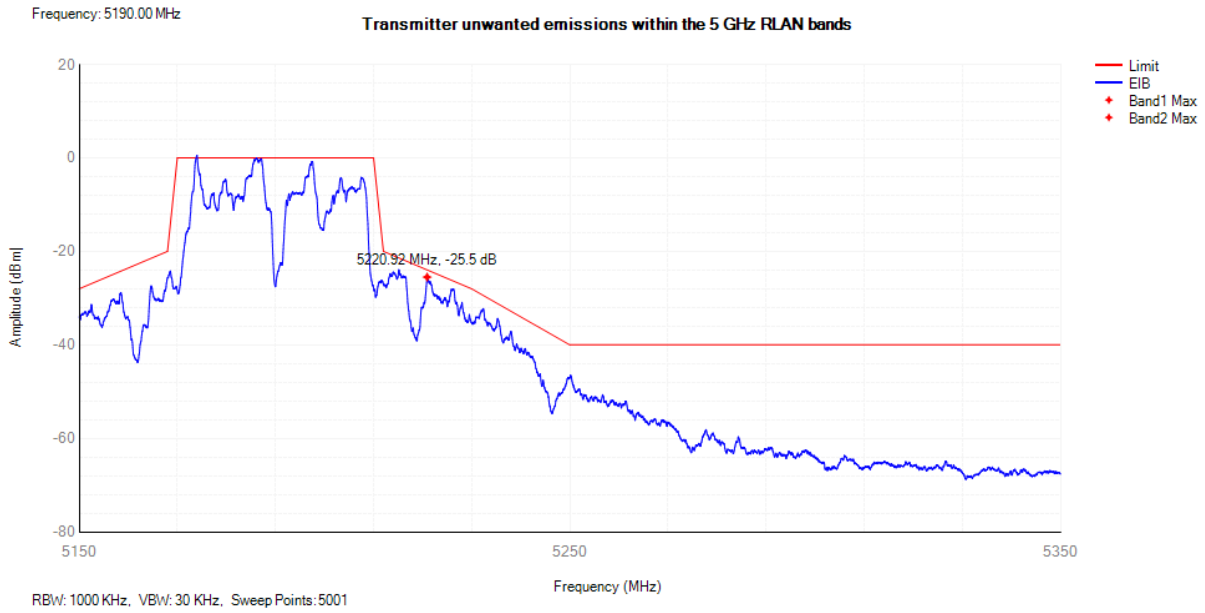
### Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band1



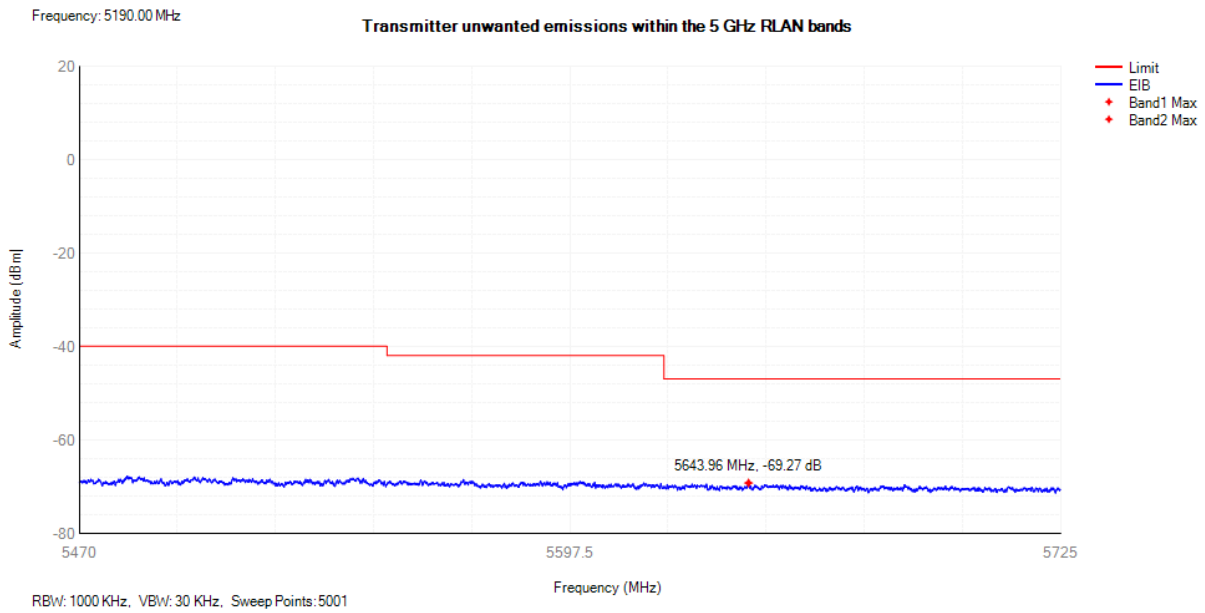
### Tx. Emissions EIB NVNT 802.11ac20 5180MHz Sub Band2



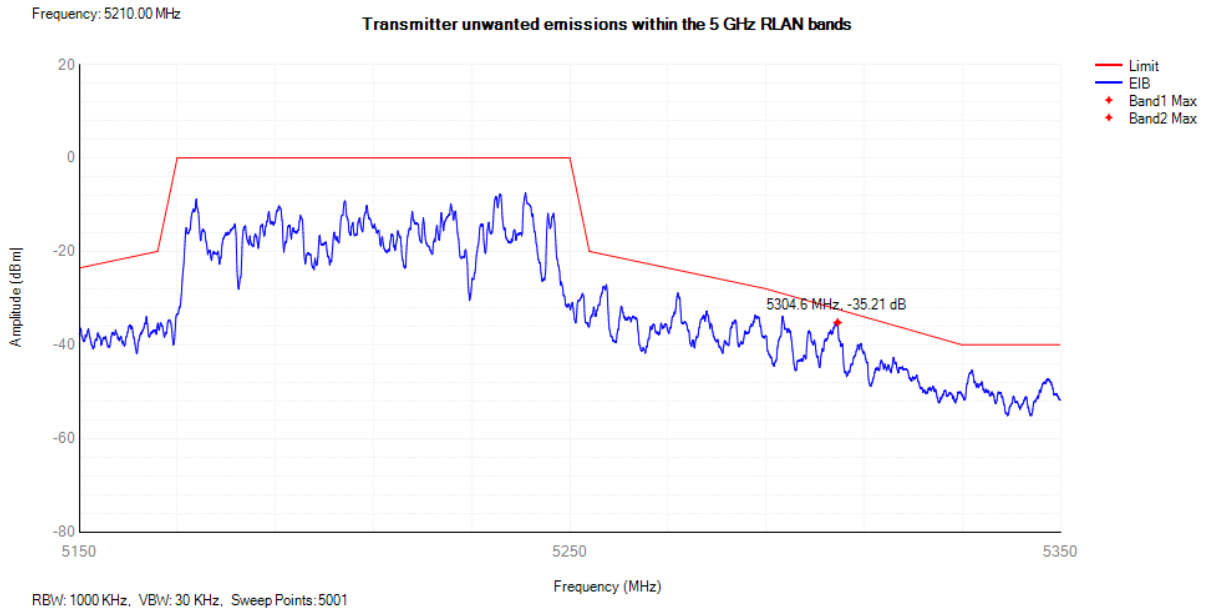
## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band1



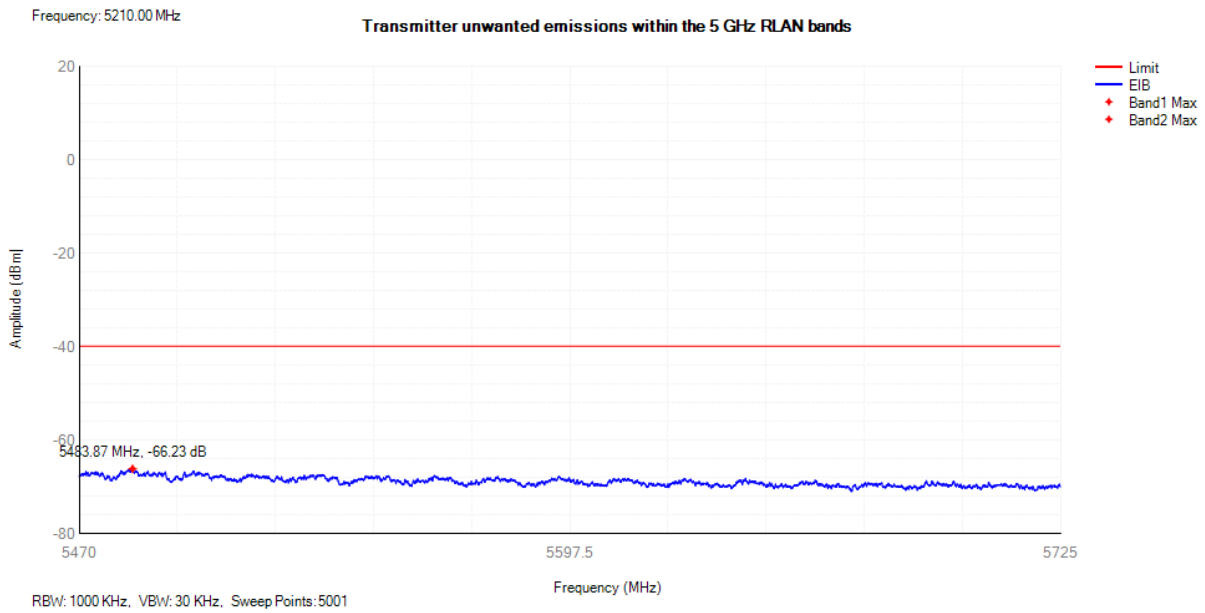
## Tx. Emissions EIB NVNT 802.11ac40 5190MHz Sub Band2



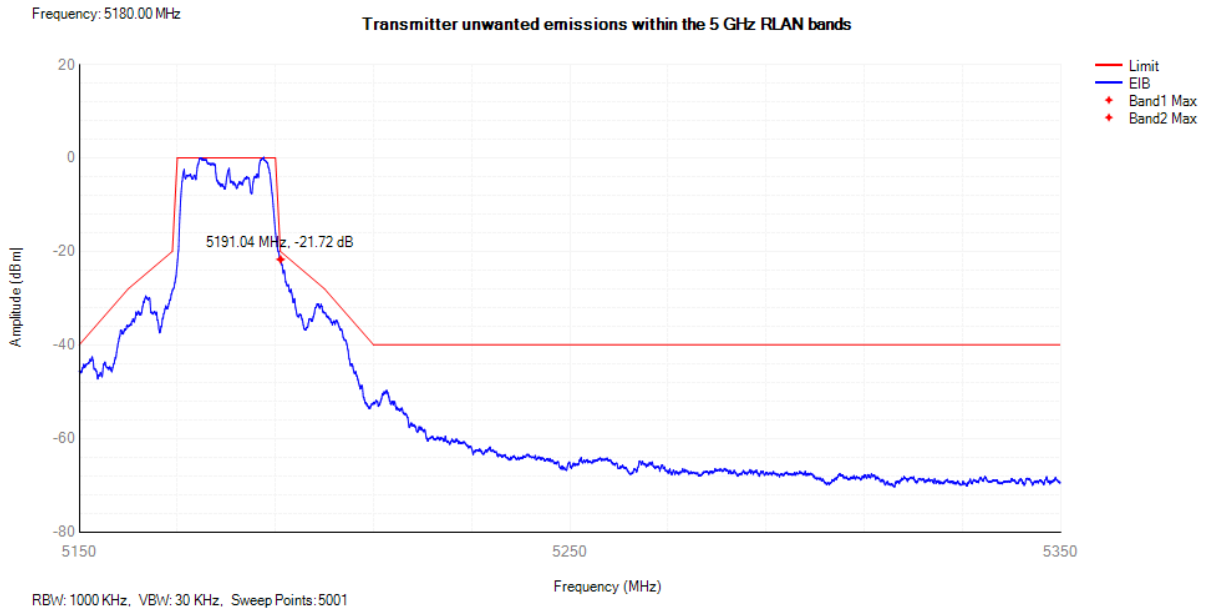
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band1



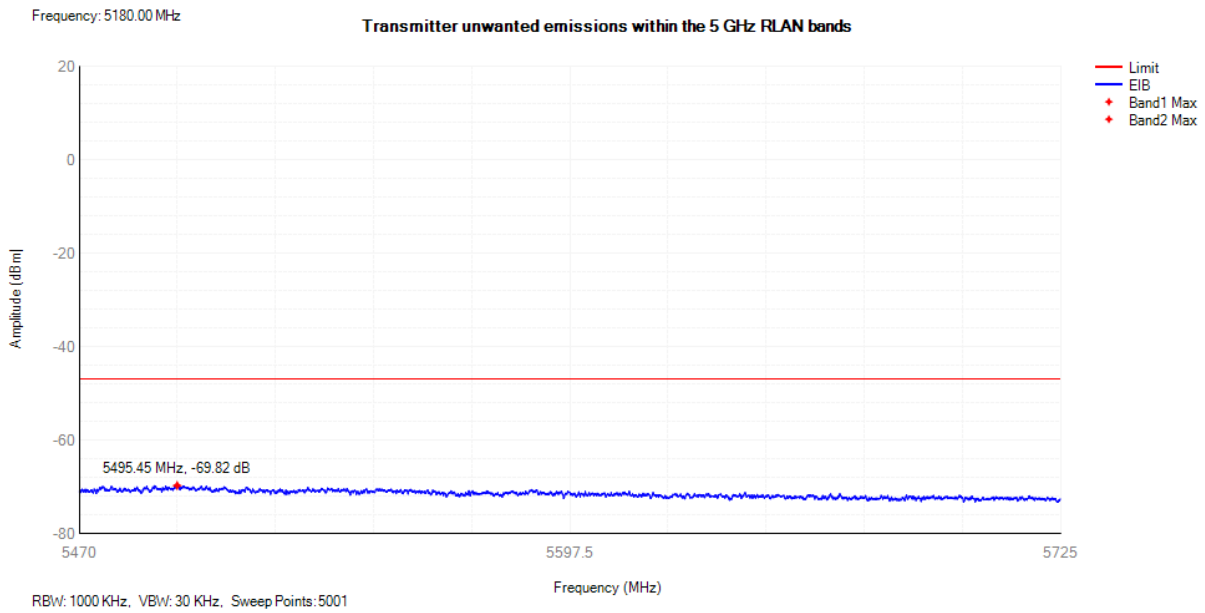
## Tx. Emissions EIB NVNT 802.11ac80 5210MHz Sub Band2



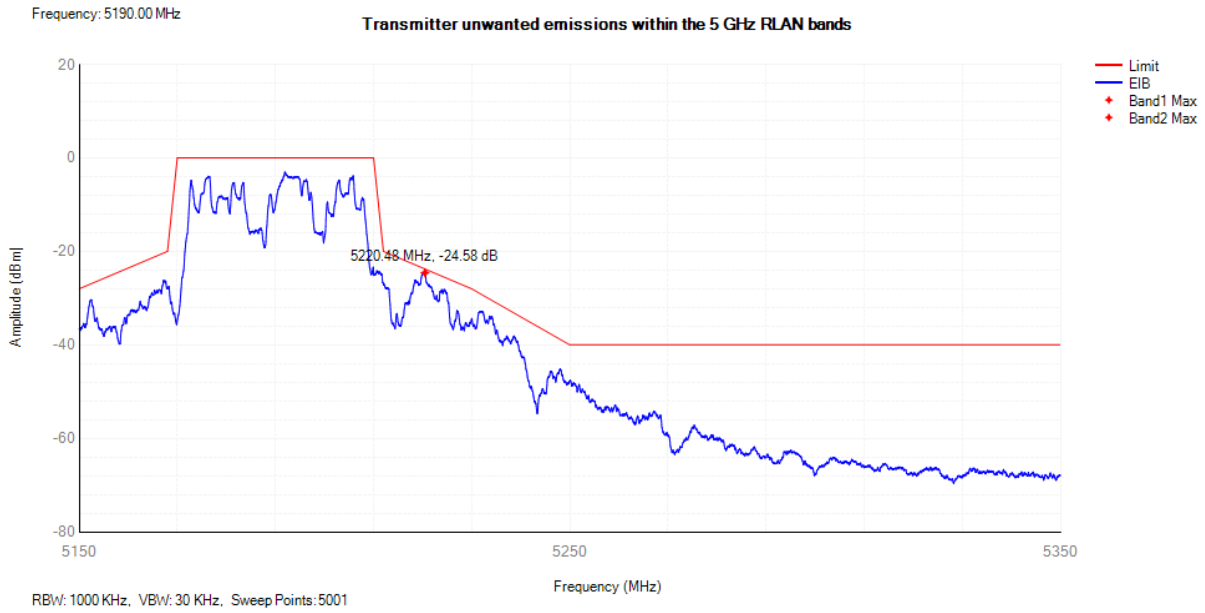
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band1



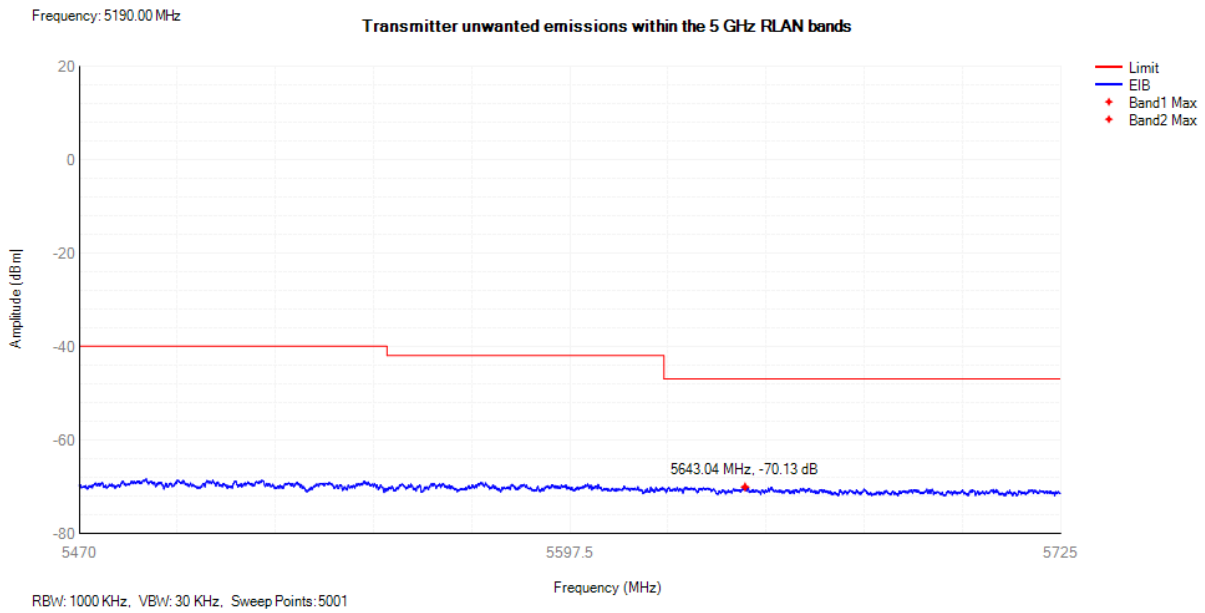
## Tx. Emissions EIB NVNT 802.11n(HT20) 5180MHz Sub Band2



### Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band1



### Tx. Emissions EIB NVNT 802.11n(HT40) 5190MHz Sub Band2



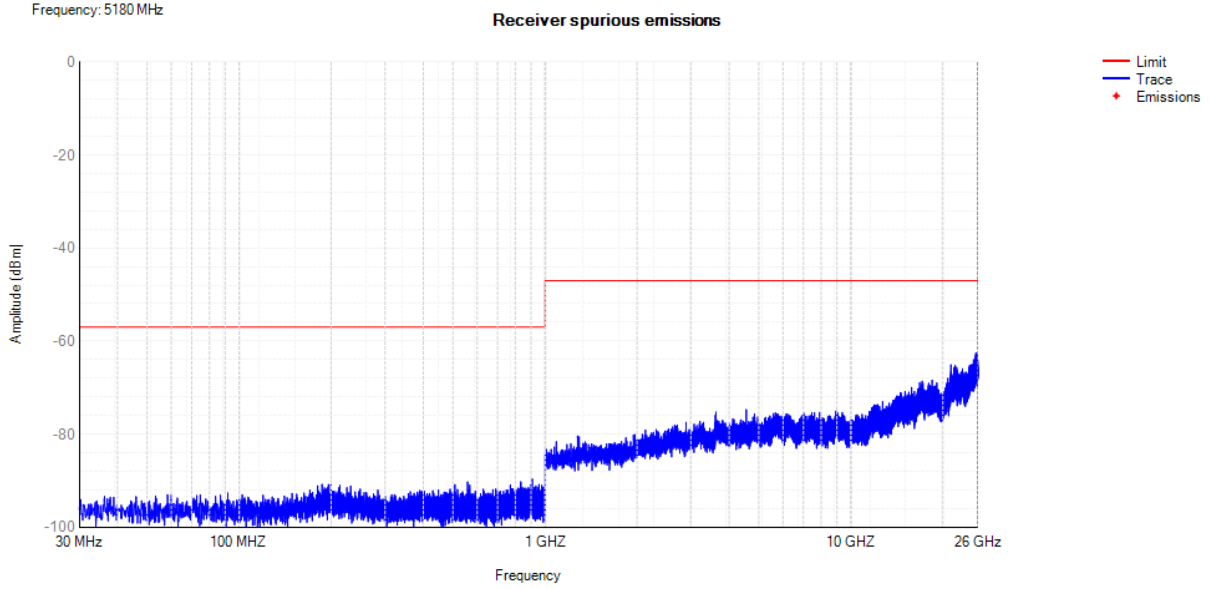


## 5.4.7 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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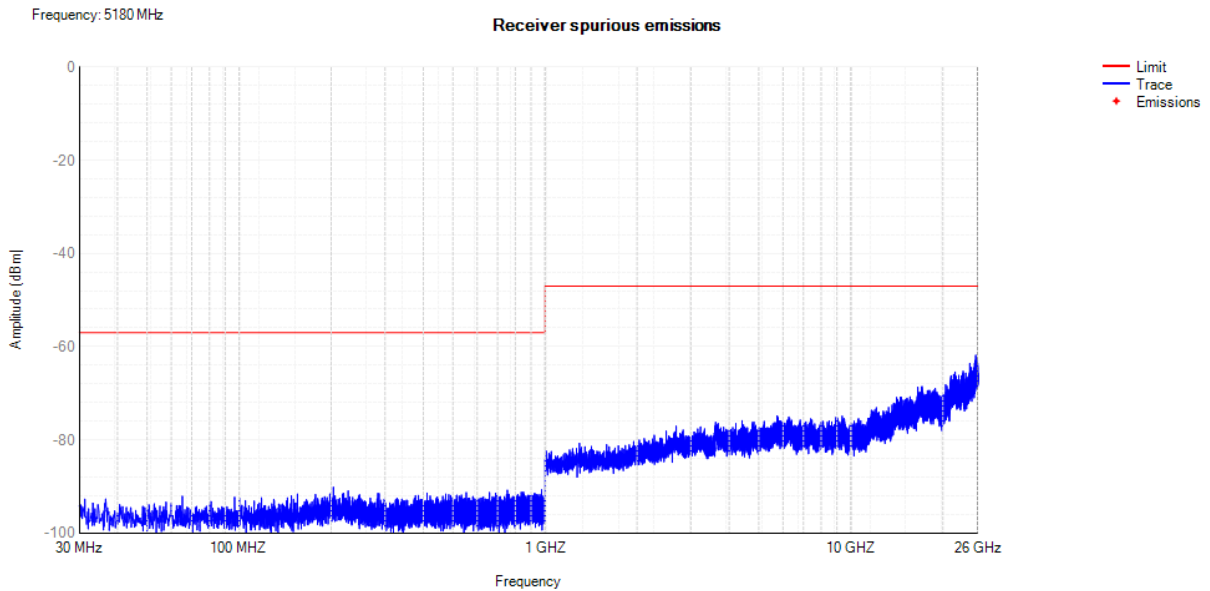
### 802.11a SISO-TX0

Rx. Spurious NVNT 802.11a 5180MHz



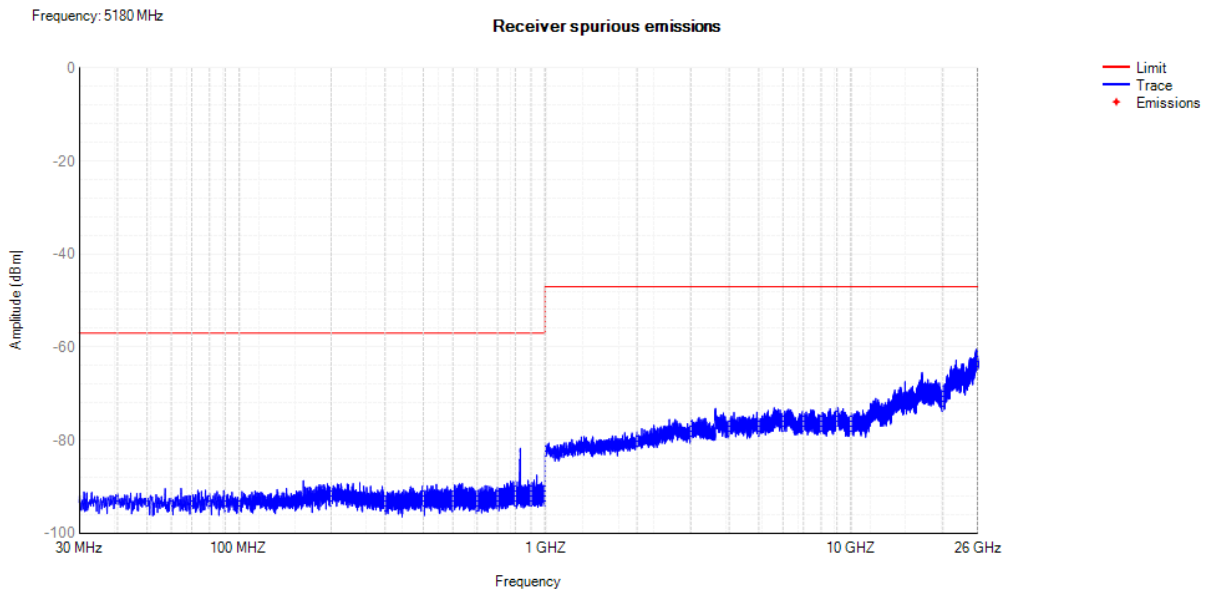
### 802.11a SISO-TX1

Rx. Spurious NVNT 802.11a 5180MHz

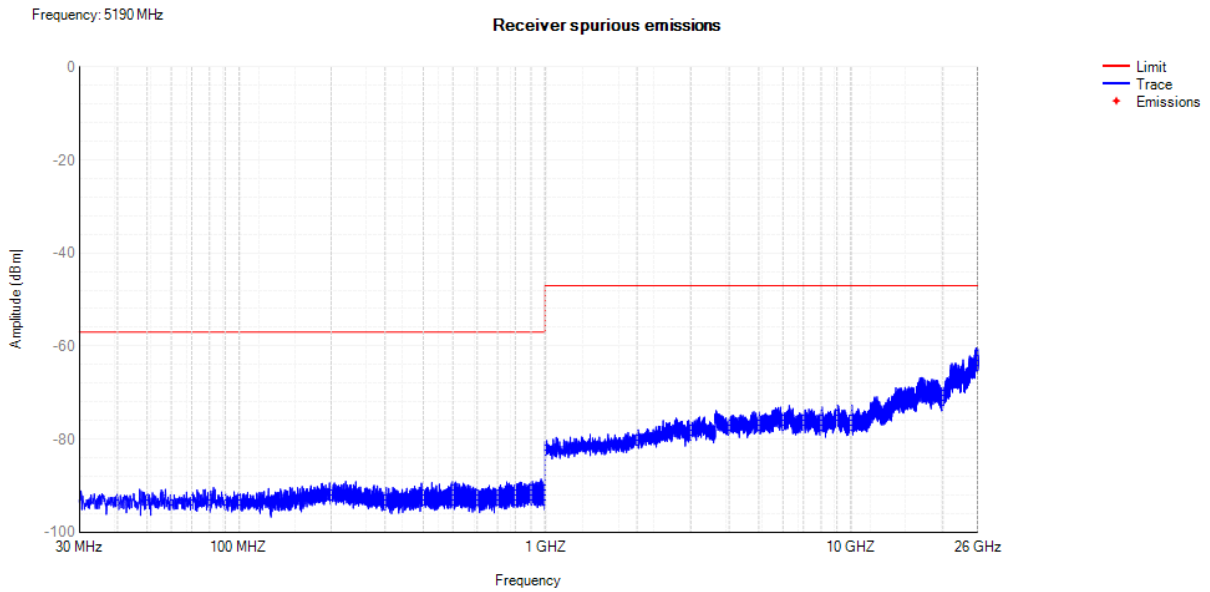


## 802.11n/ac MIMO

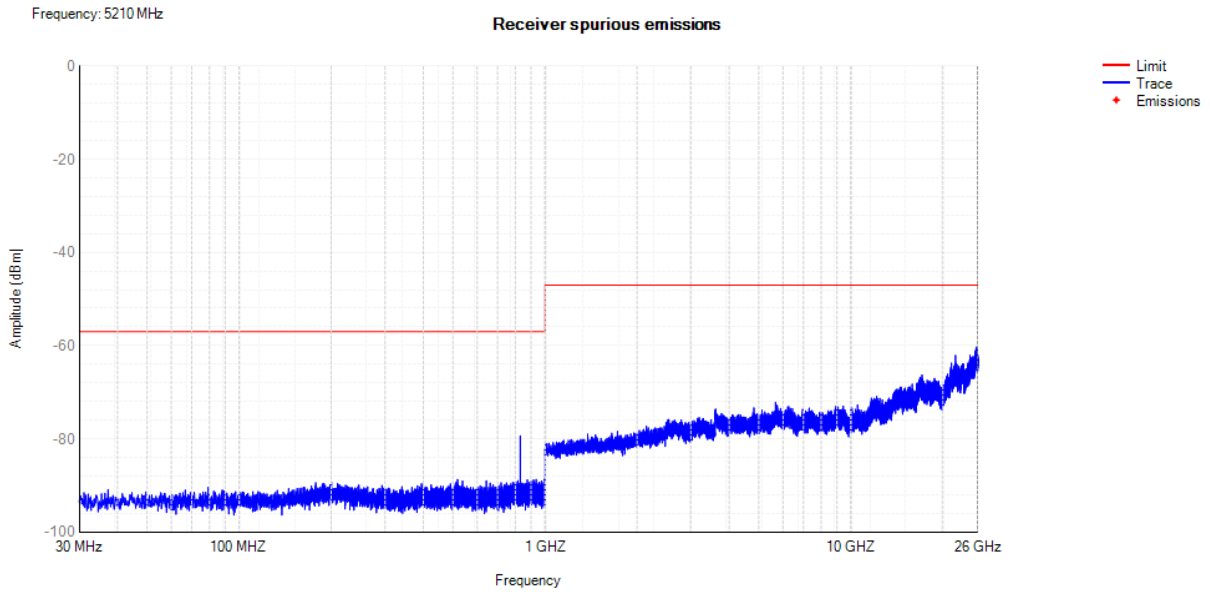
### Rx. Spurious NVNT 802.11ac20 5180MHz



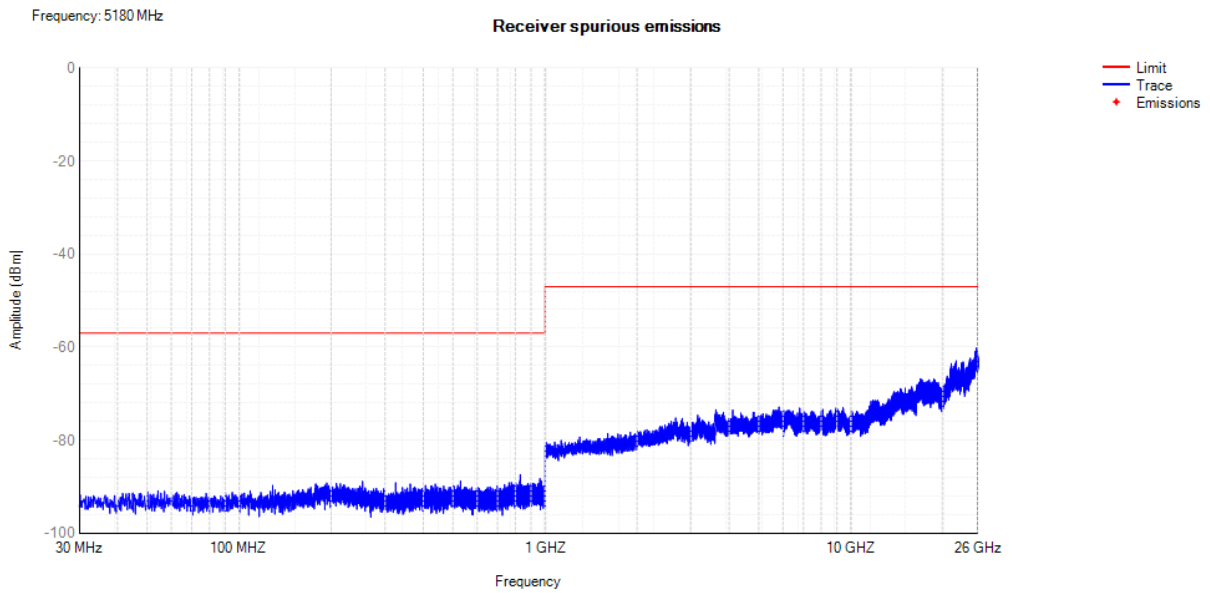
### Rx. Spurious NVNT 802.11ac40 5190MHz



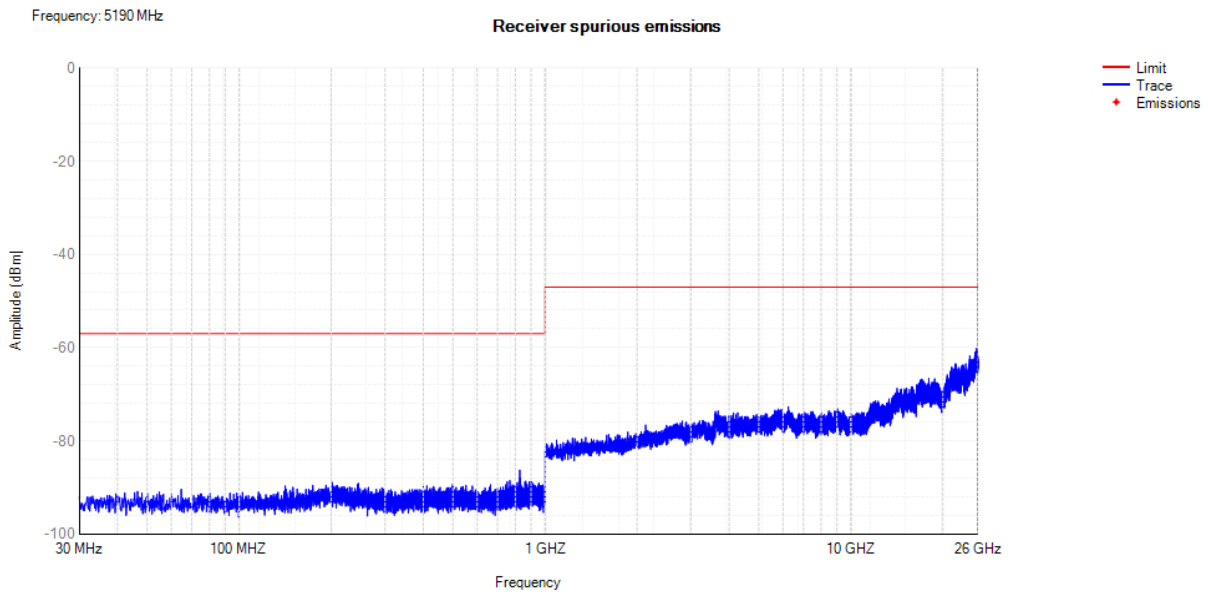
### Rx. Spurious NVNT 802.11ac80 5210MHz



### Rx. Spurious NVNT 802.11n(HT20) 5180MHz



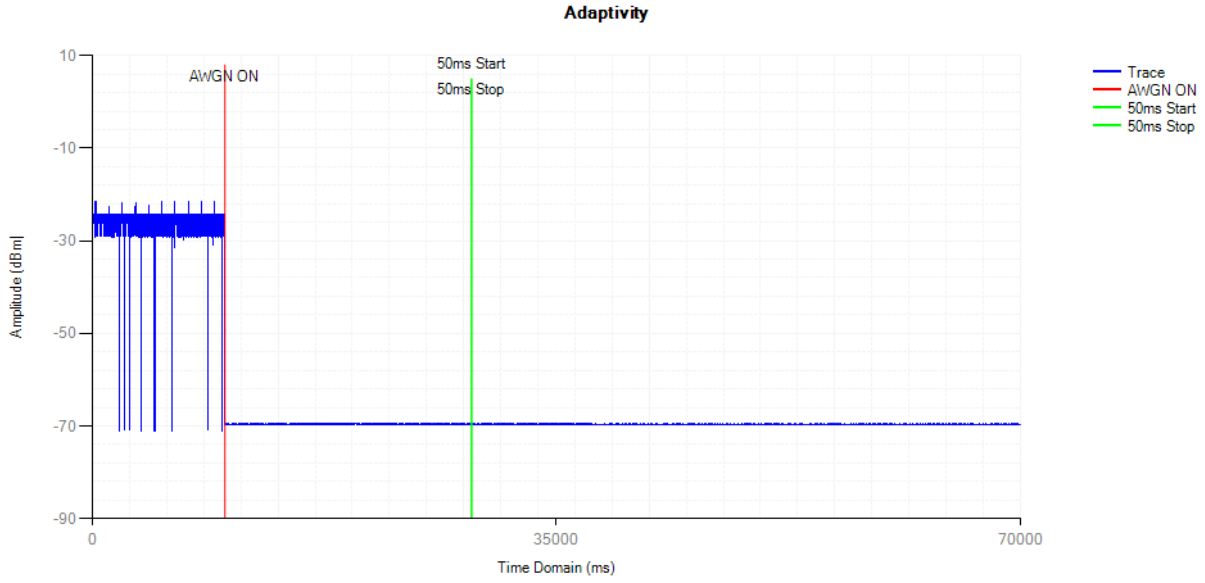
Rx. Spurious NVNT 802.11n(HT40) 5190MHz



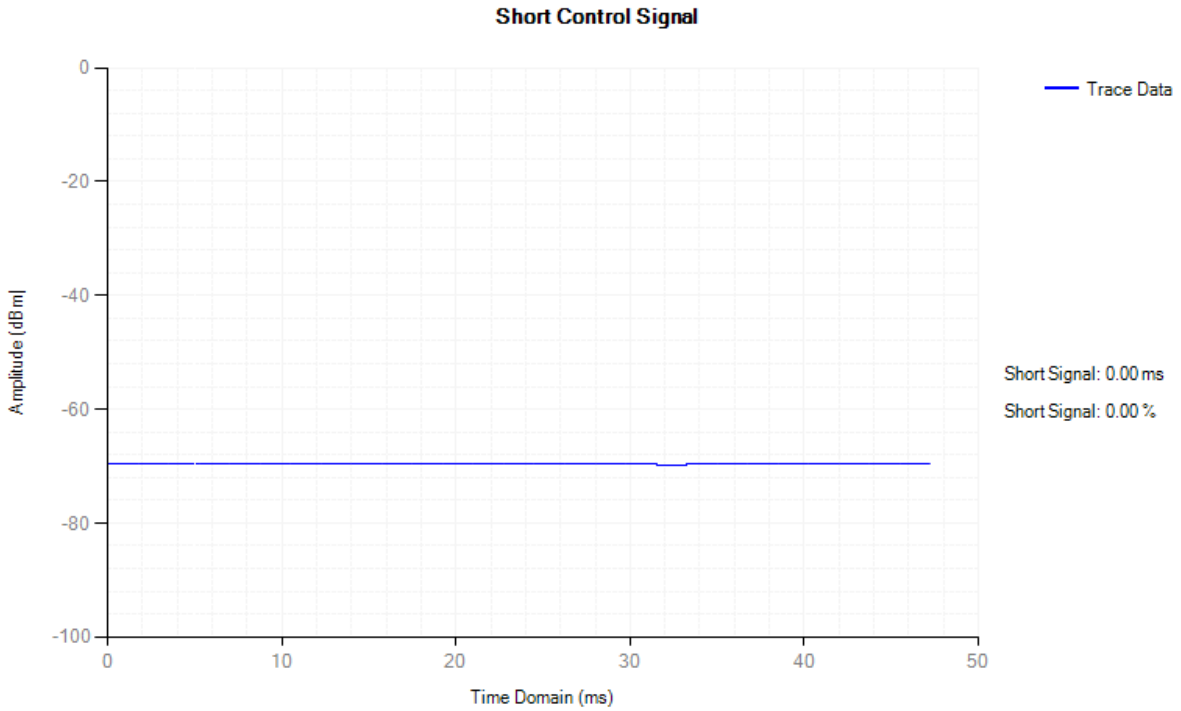
### 5.4.9 Adaptivity(worst case mode)

Condition	Mode	Frequency (MHz)	Interfer Type	Interfer Level (dBm/MHz)	Short Control (ms)	Limit (ms)	Short Control (n)	Limit (n)	Verdict
NVNT	802.11a	5180	AWGN	-82.56	0	<=2.5	0	<=50	Pass
NVNT	802.11a	5180	LTE	-82.56	0	<=2.5	0	<=50	Pass
NVNT	802.11a	5180	OFDM	-82.56	0	<=2.5	0	<=50	Pass
NVNT	802.11ac20	5180	AWGN	-82.12	0	<=2.5	0	<=50	Pass
NVNT	802.11ac20	5180	LTE	-82.12	0	<=2.5	0	<=50	Pass
NVNT	802.11ac20	5180	OFDM	-82.12	0	<=2.5	0	<=50	Pass
NVNT	802.11ac40	5190	AWGN	-82.46	0	<=2.5	0	<=50	Pass
NVNT	802.11ac40	5190	LTE	-82.46	0	<=2.5	0	<=50	Pass
NVNT	802.11ac40	5190	OFDM	-82.46	0	<=2.5	0	<=50	Pass
NVNT	802.11ac80	5210	AWGN	-82.27	0	<=2.5	0	<=50	Pass
NVNT	802.11ac80	5210	LTE	-82.27	0	<=2.5	0	<=50	Pass
NVNT	802.11ac80	5210	OFDM	-82.27	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT20)	5180	AWGN	-82.23	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT20)	5180	LTE	-82.23	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT20)	5180	OFDM	-82.23	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT40)	5190	AWGN	-82.50	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT40)	5190	LTE	-82.50	0	<=2.5	0	<=50	Pass
NVNT	802.11n(HT40)	5190	OFDM	-82.50	0	<=2.5	0	<=50	Pass

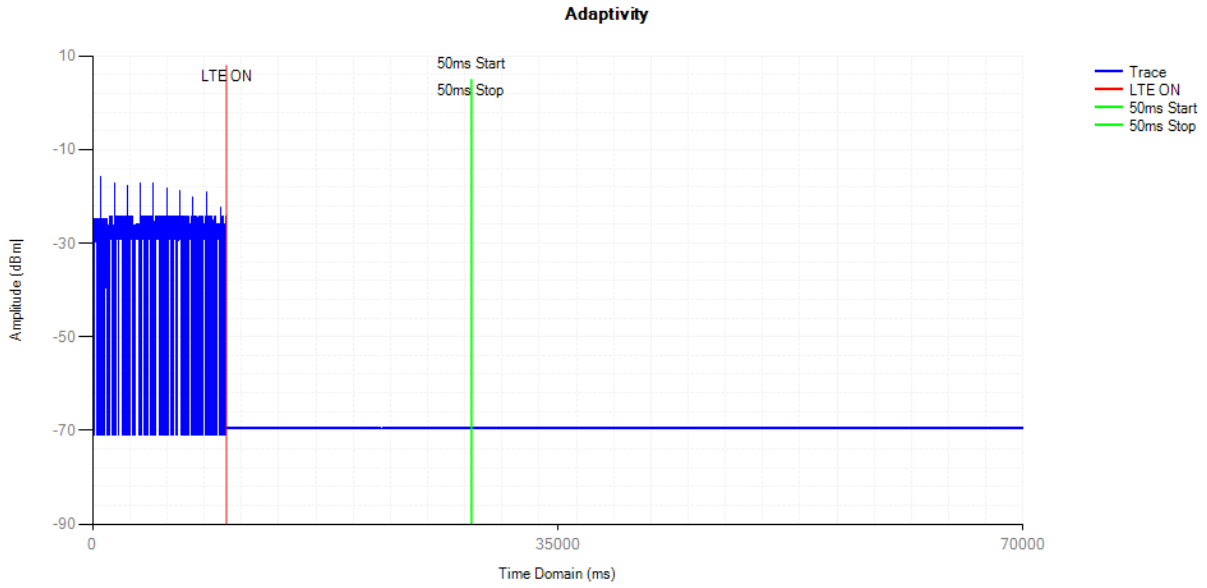
## Adaptivity NVNT 802.11a 5180MHz AWGN



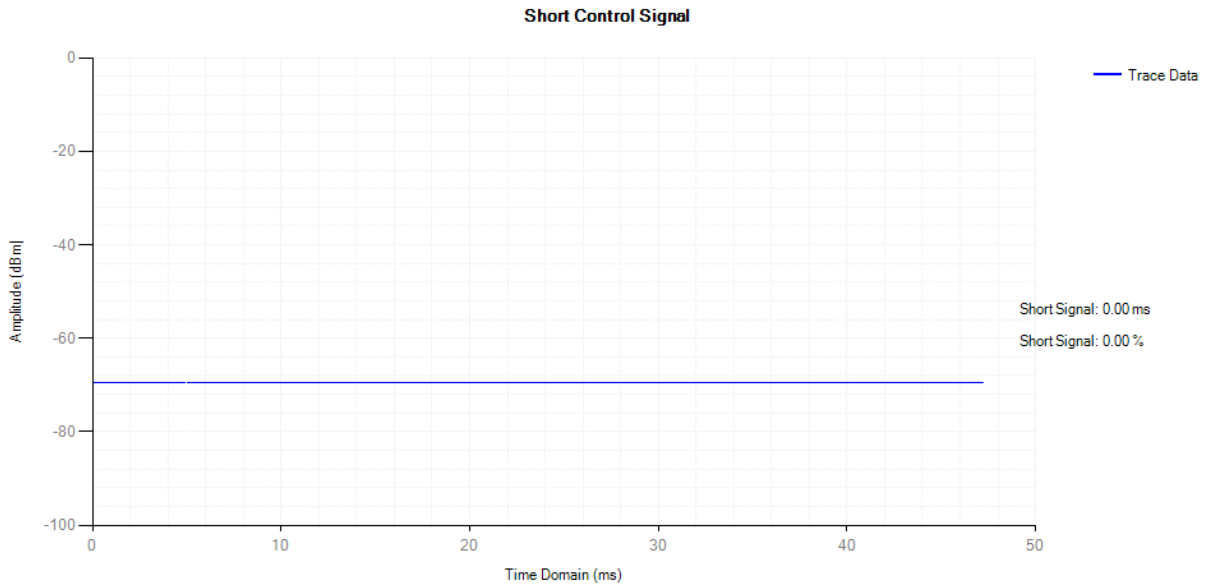
## Control Signal NVNT 802.11a 5180MHz AWGN



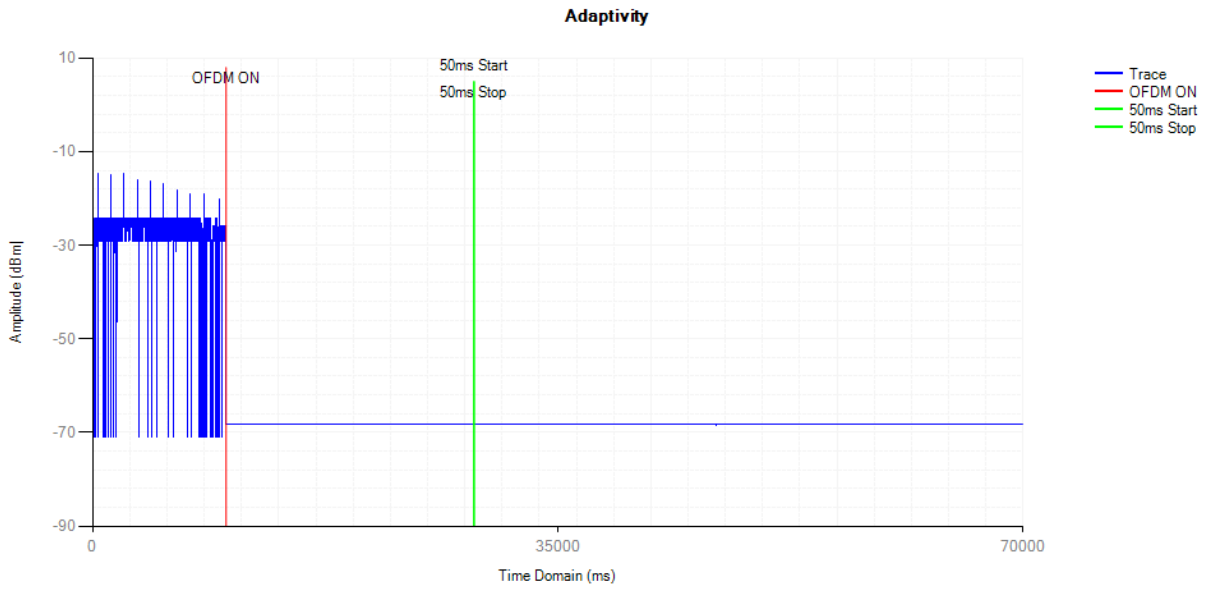
## Adaptivity NVNT 802.11a 5180MHz LTE



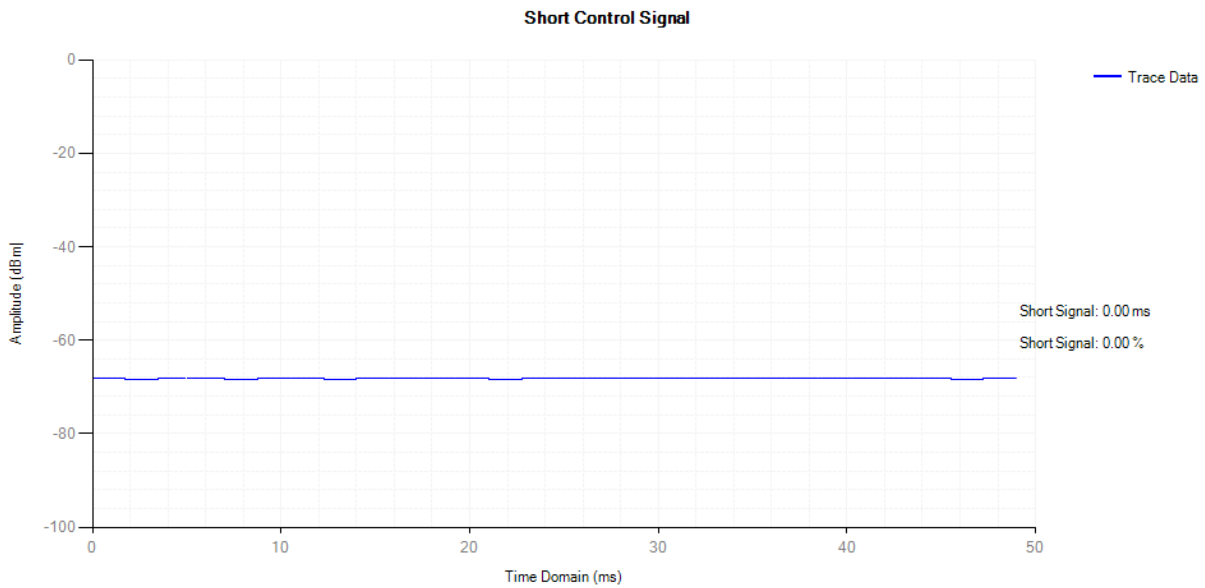
## Control Signal NVNT 802.11a 5180MHz LTE



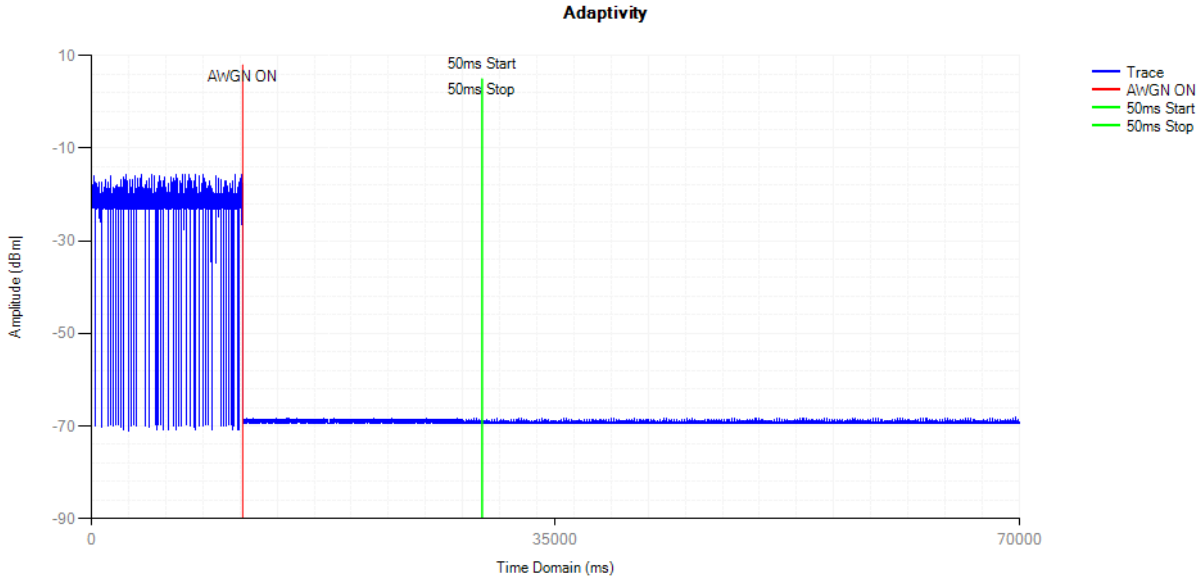
## Adaptivity NVNT 802.11a 5180MHz OFDM



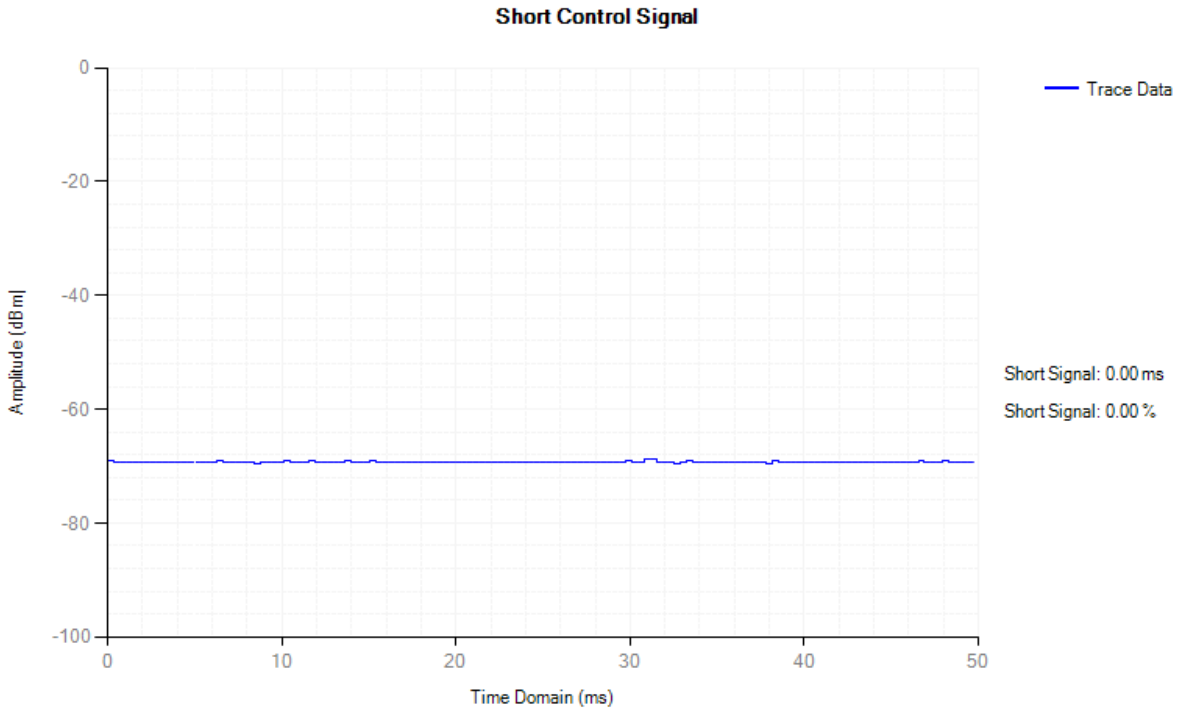
## Control Signal NVNT 802.11a 5180MHz OFDM



## Adaptivity NVNT 802.11ac20 5180MHz AWGN

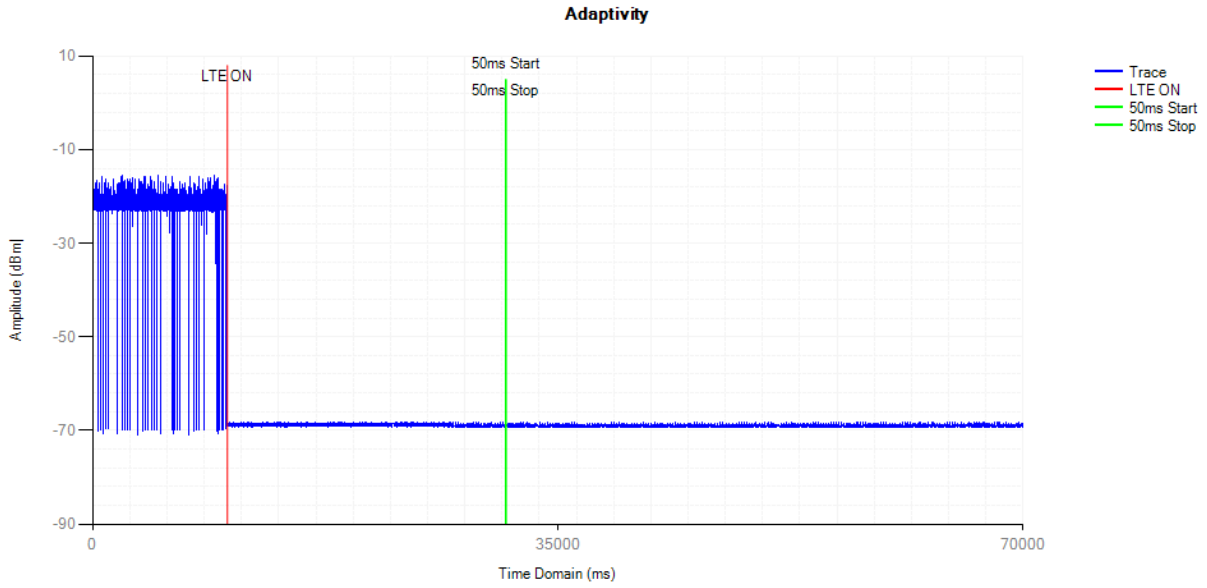


## Control Signal NVNT 802.11ac20 5180MHz AWGN

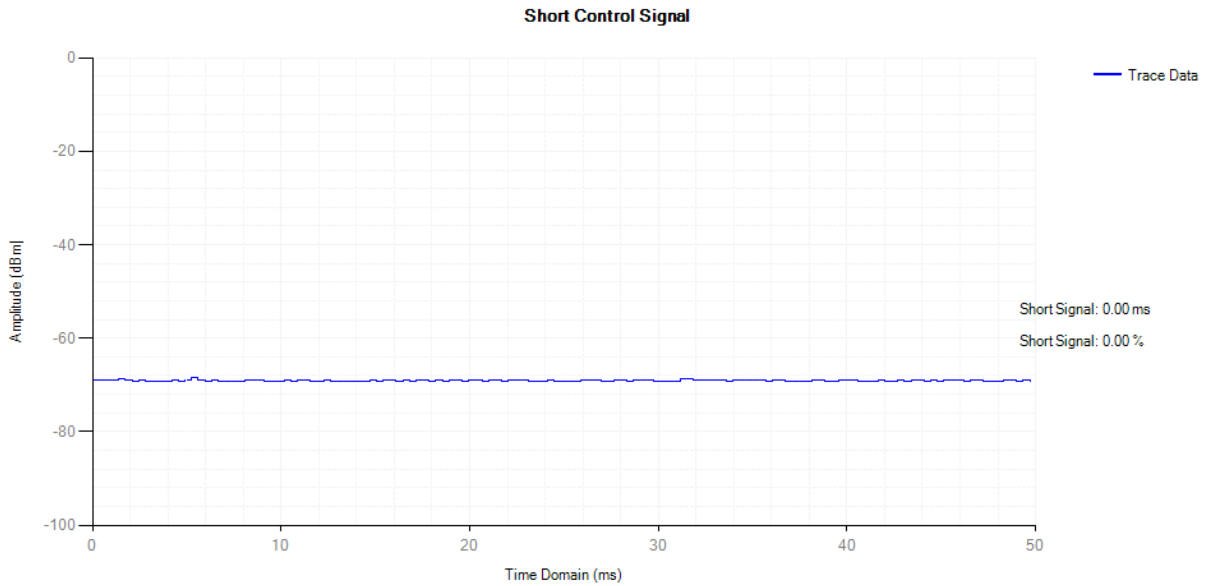




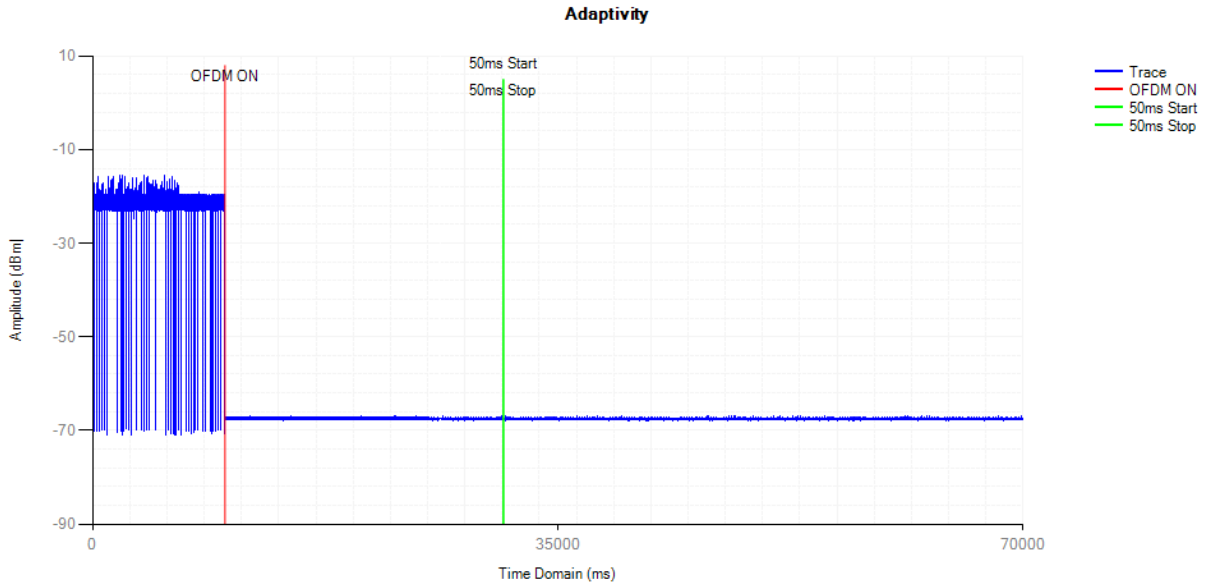
## Adaptivity NVNT 802.11ac20 5180MHz LTE



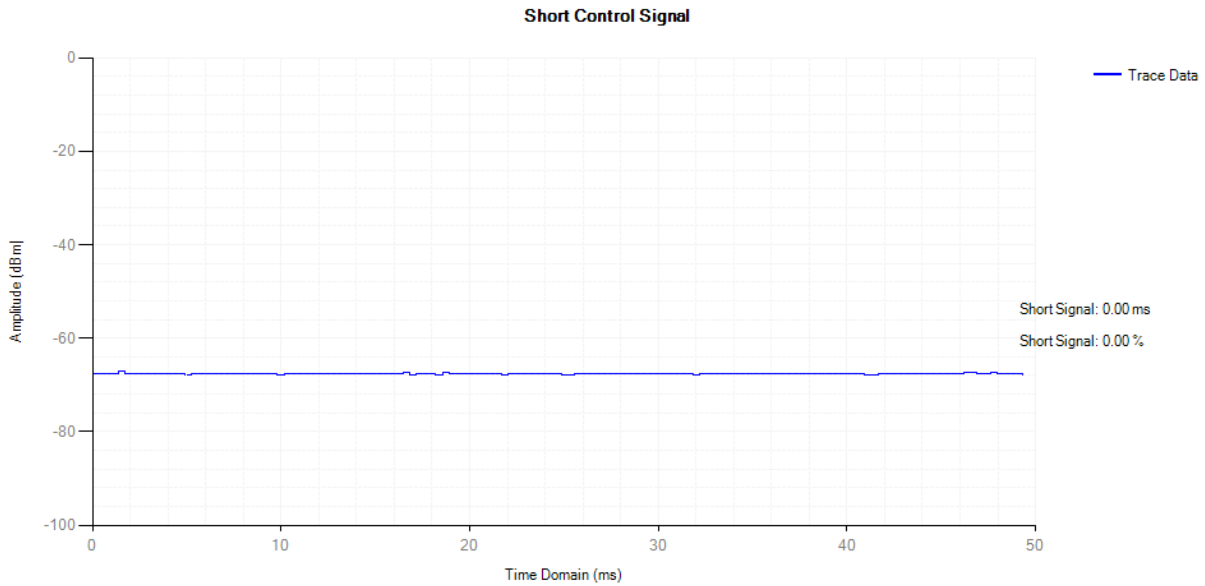
## Control Signal NVNT 802.11ac20 5180MHz LTE



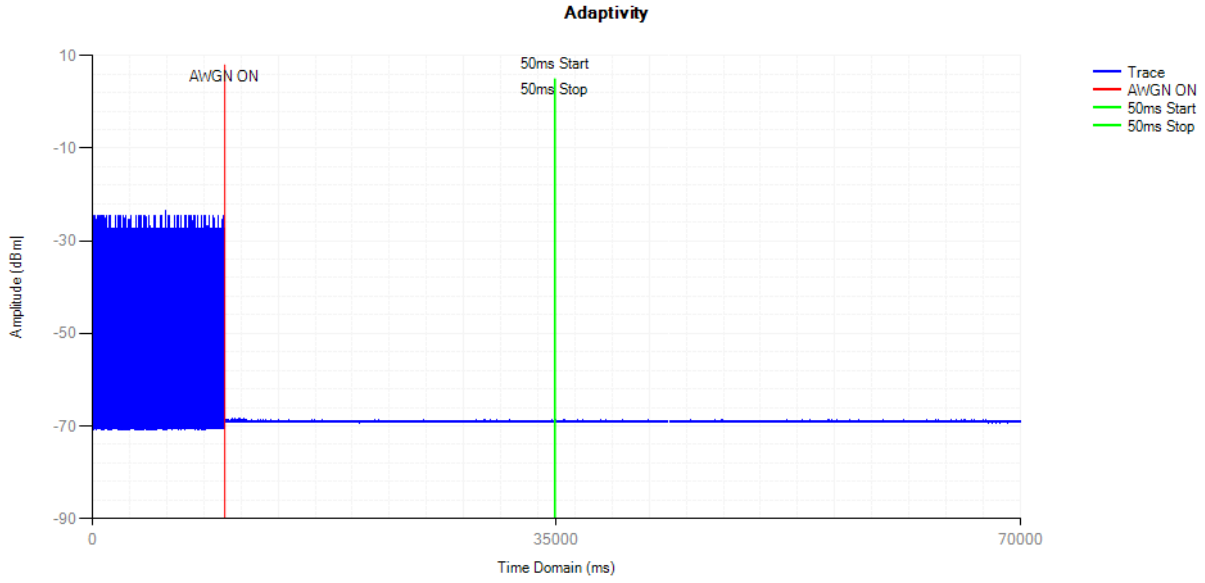
## Adaptivity NVNT 802.11ac20 5180MHz OFDM



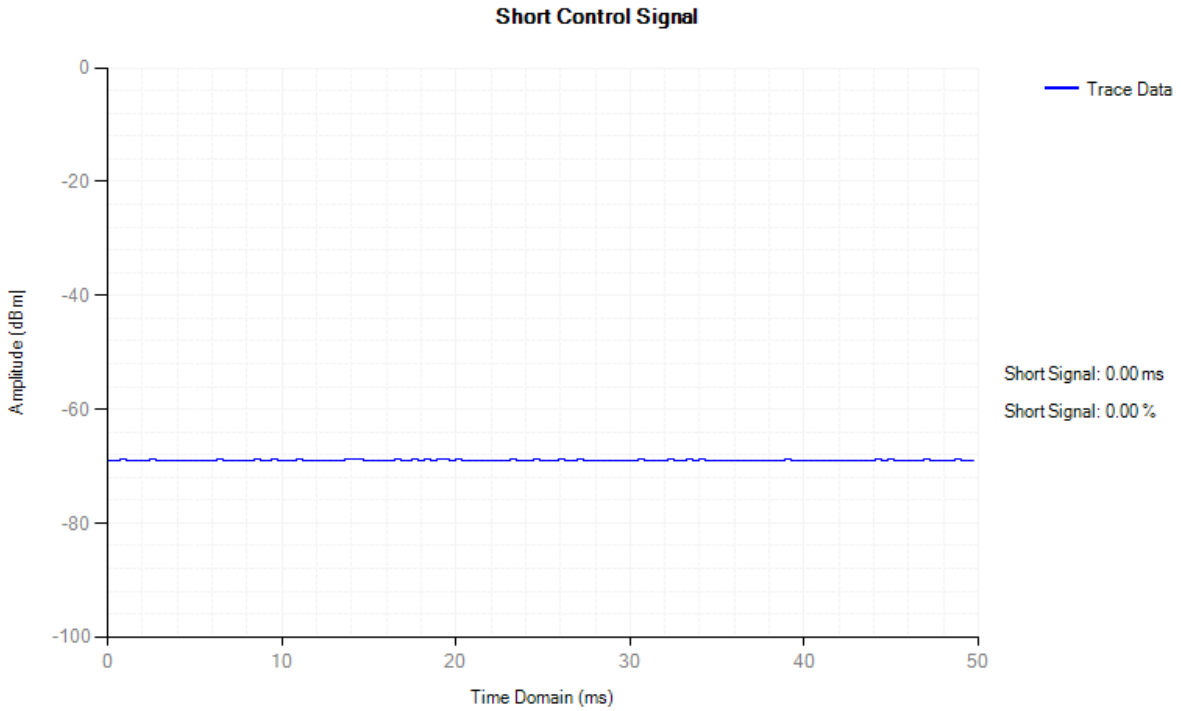
## Control Signal NVNT 802.11ac20 5180MHz OFDM



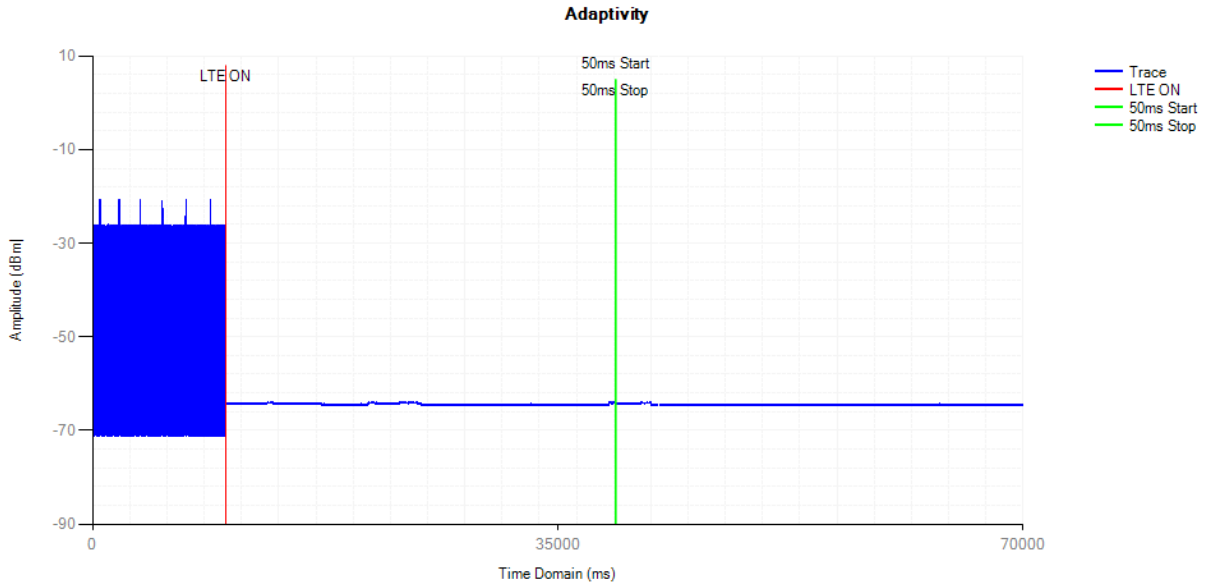
## Adaptivity NVNT 802.11ac40 5190MHz AWGN



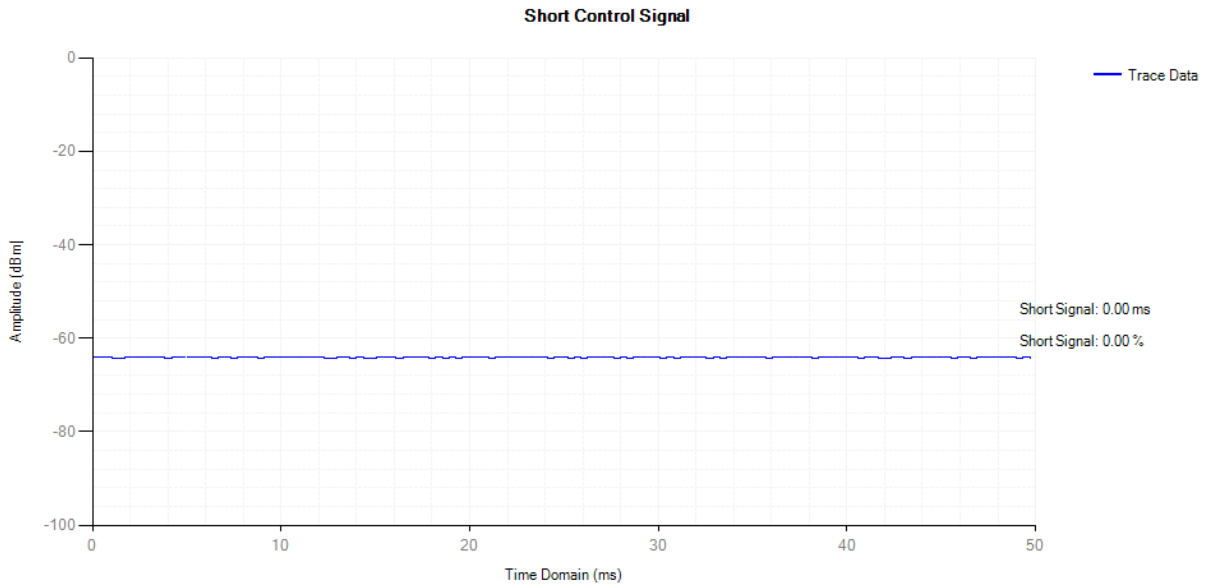
## Control Signal NVNT 802.11ac40 5190MHz AWGN



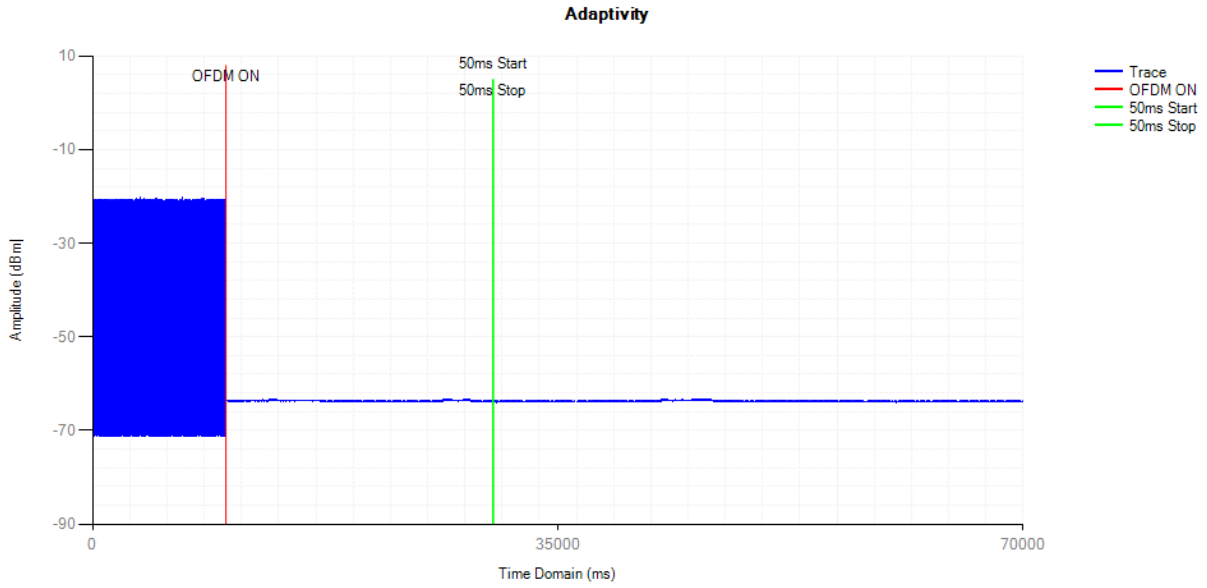
## Adaptivity NVNT 802.11ac40 5190MHz LTE



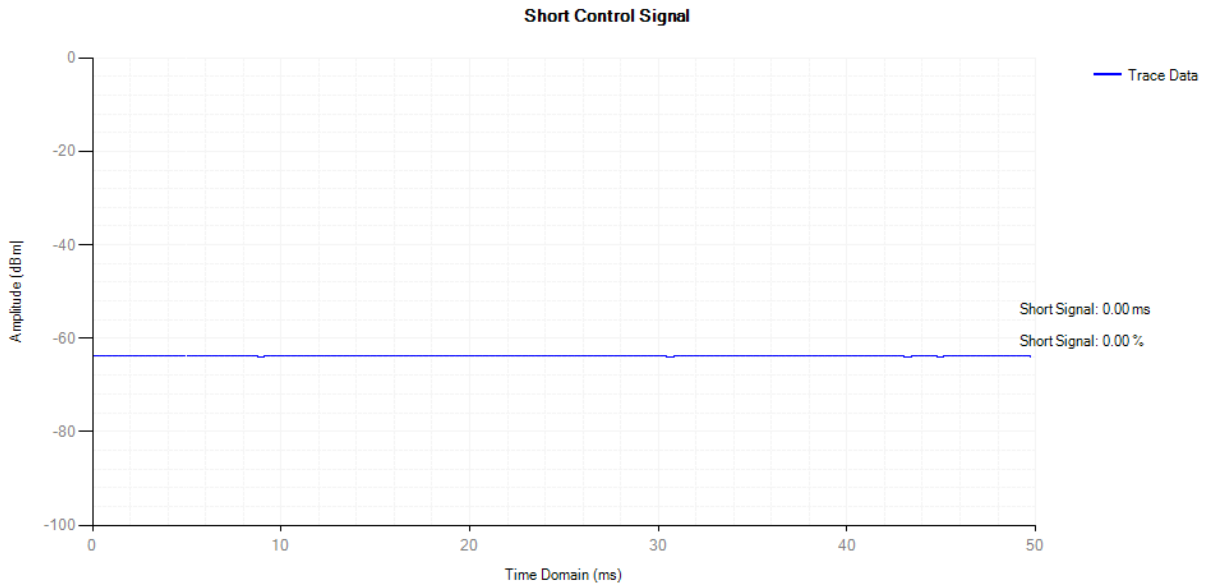
## Control Signal NVNT 802.11ac40 5190MHz LTE



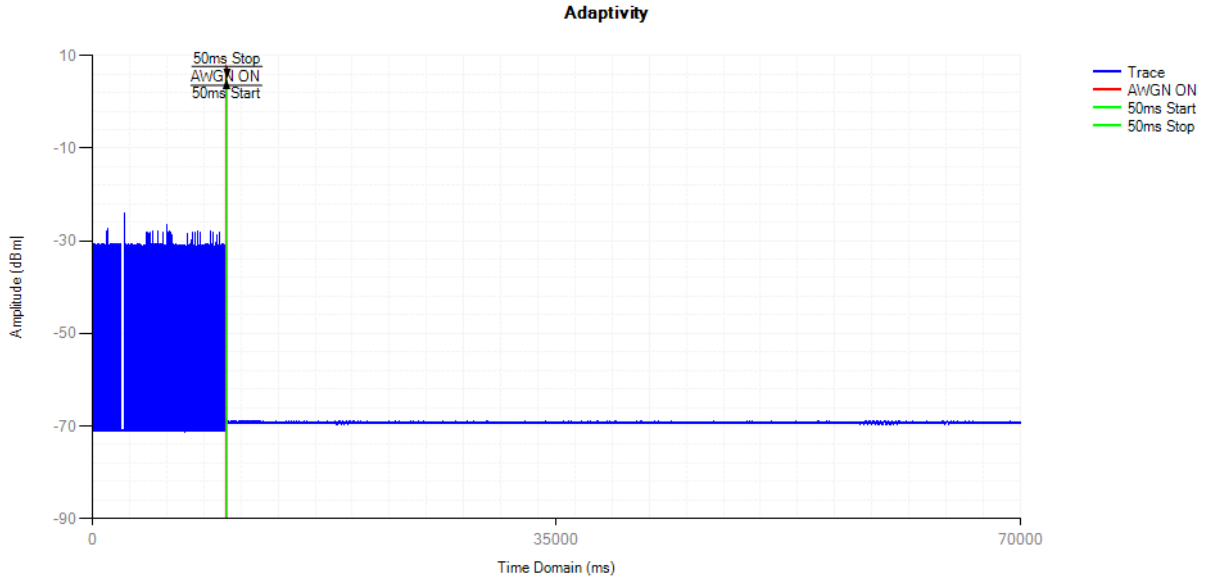
## Adaptivity NVNT 802.11ac40 5190MHz OFDM



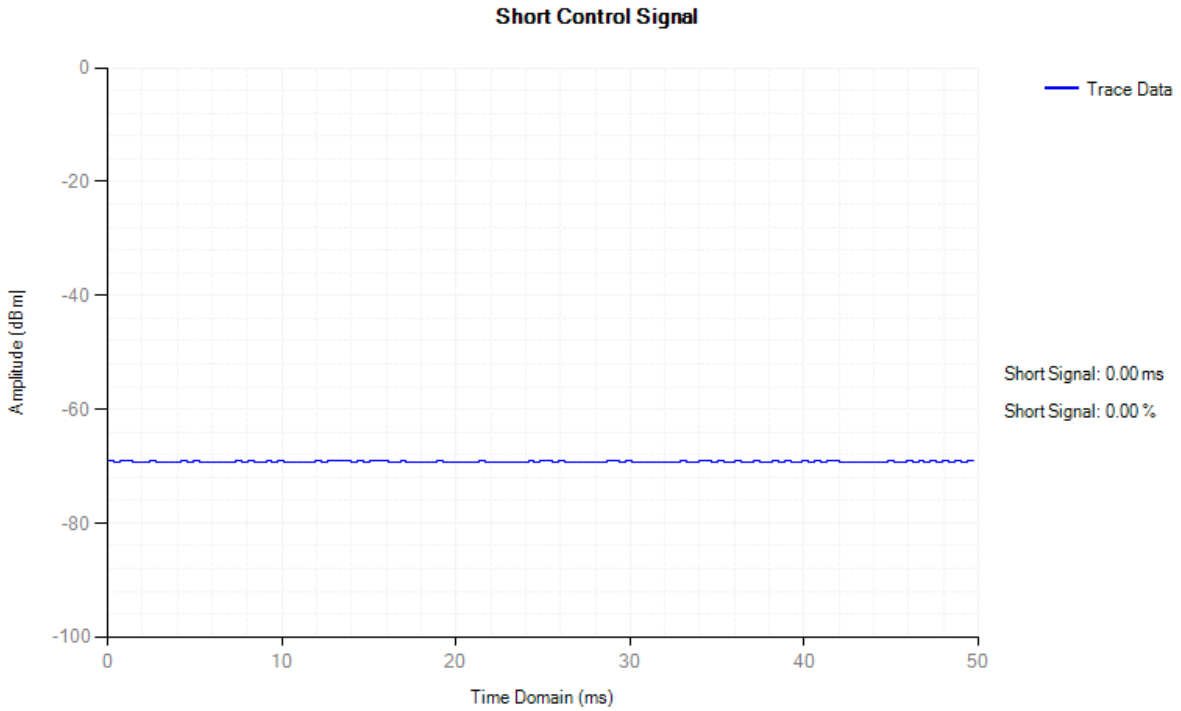
## Control Signal NVNT 802.11ac40 5190MHz OFDM



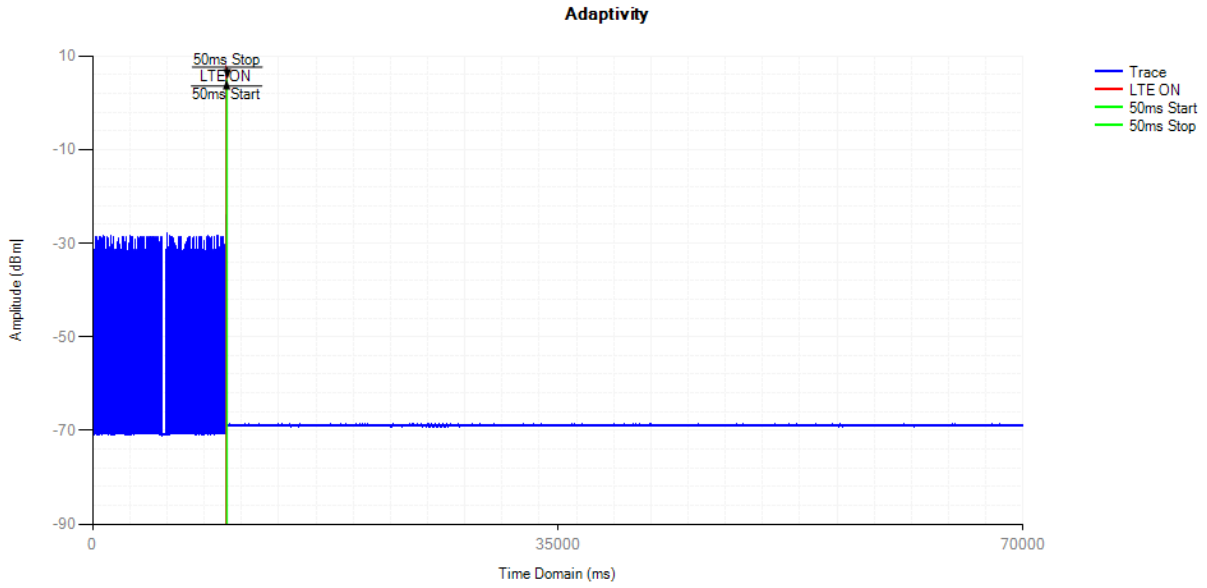
## Adaptivity NVNT 802.11ac80 5210MHz AWGN



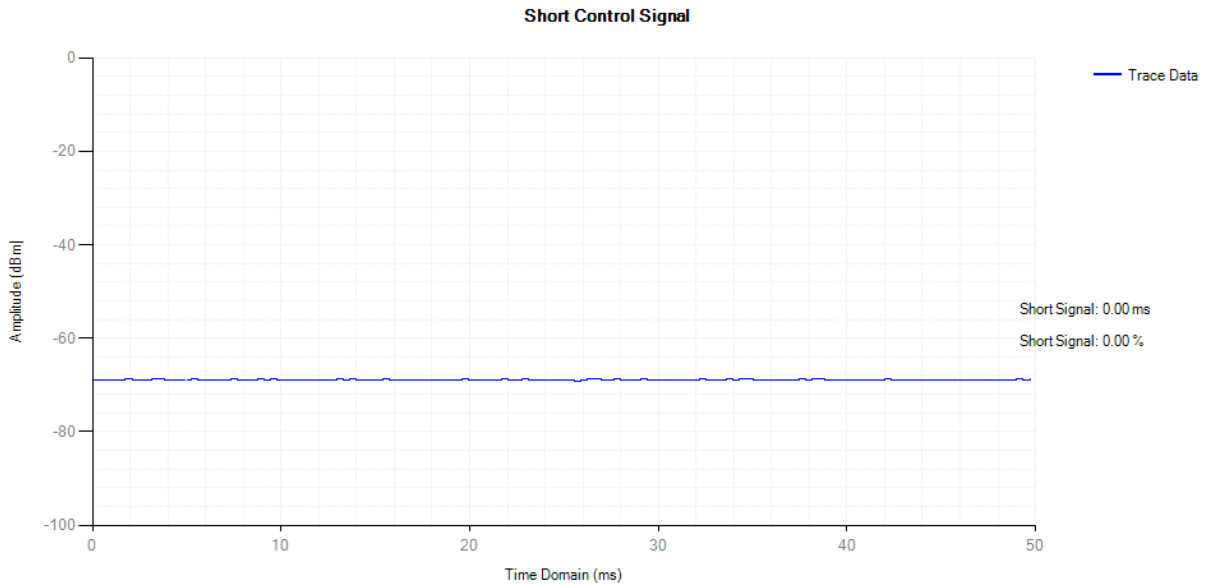
## Control Signal NVNT 802.11ac80 5210MHz AWGN



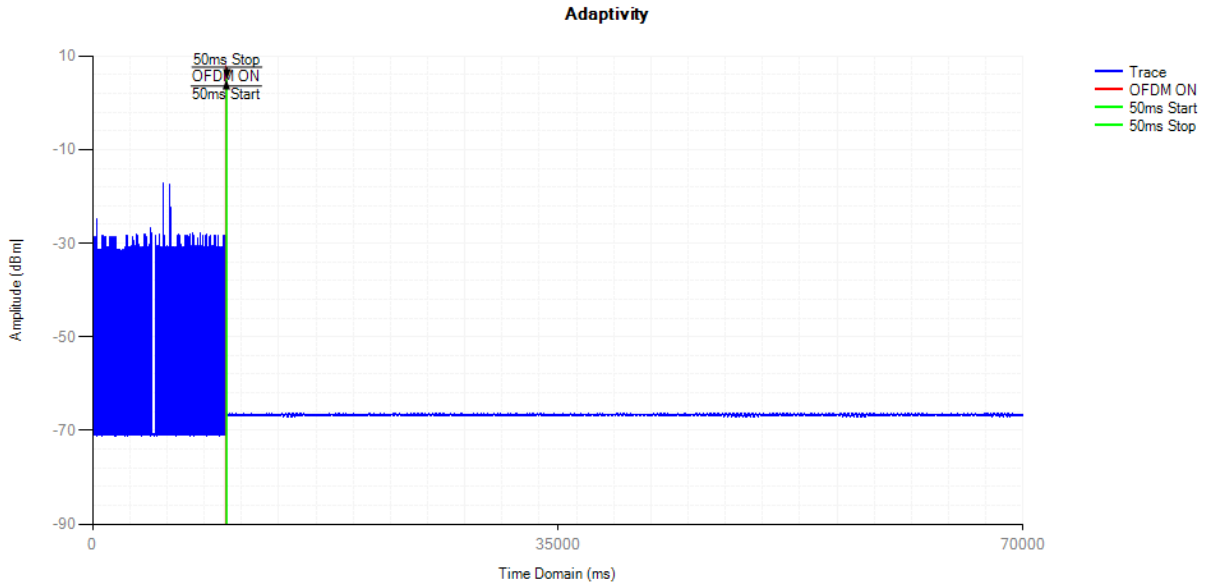
## Adaptivity NVNT 802.11ac80 5210MHz LTE



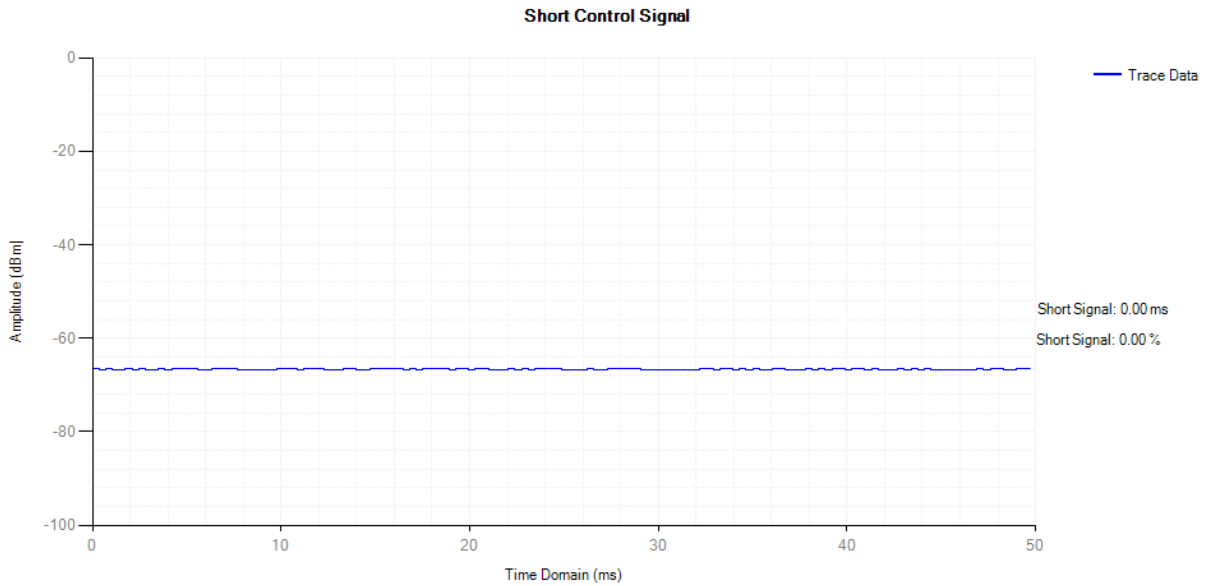
## Control Signal NVNT 802.11ac80 5210MHz LTE



## Adaptivity NVNT 802.11ac80 5210MHz OFDM

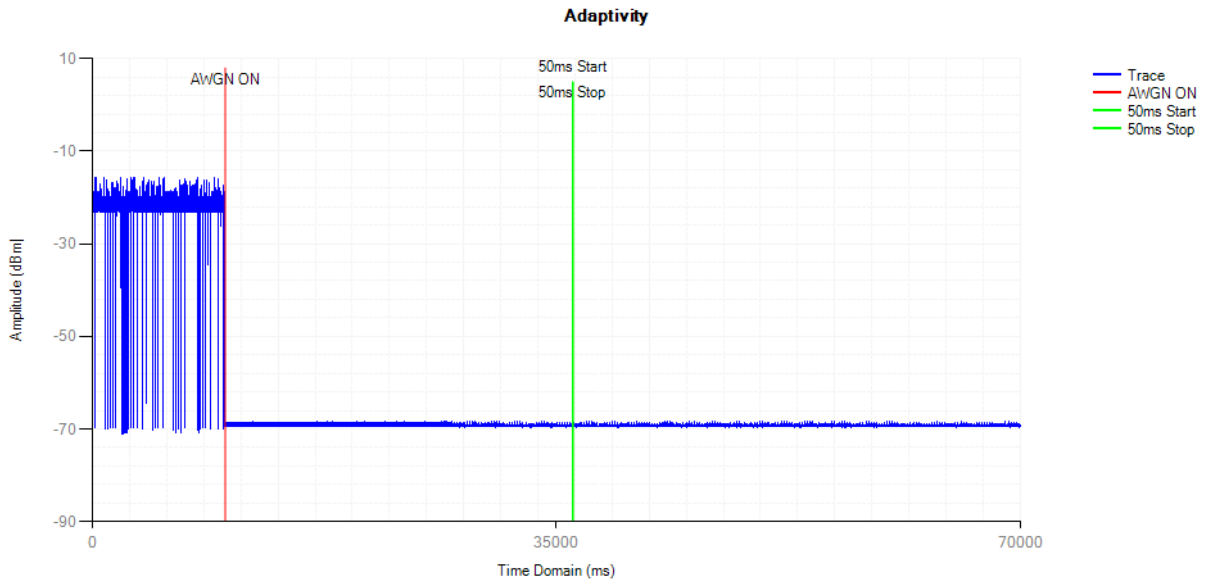


## Control Signal NVNT 802.11ac80 5210MHz OFDM

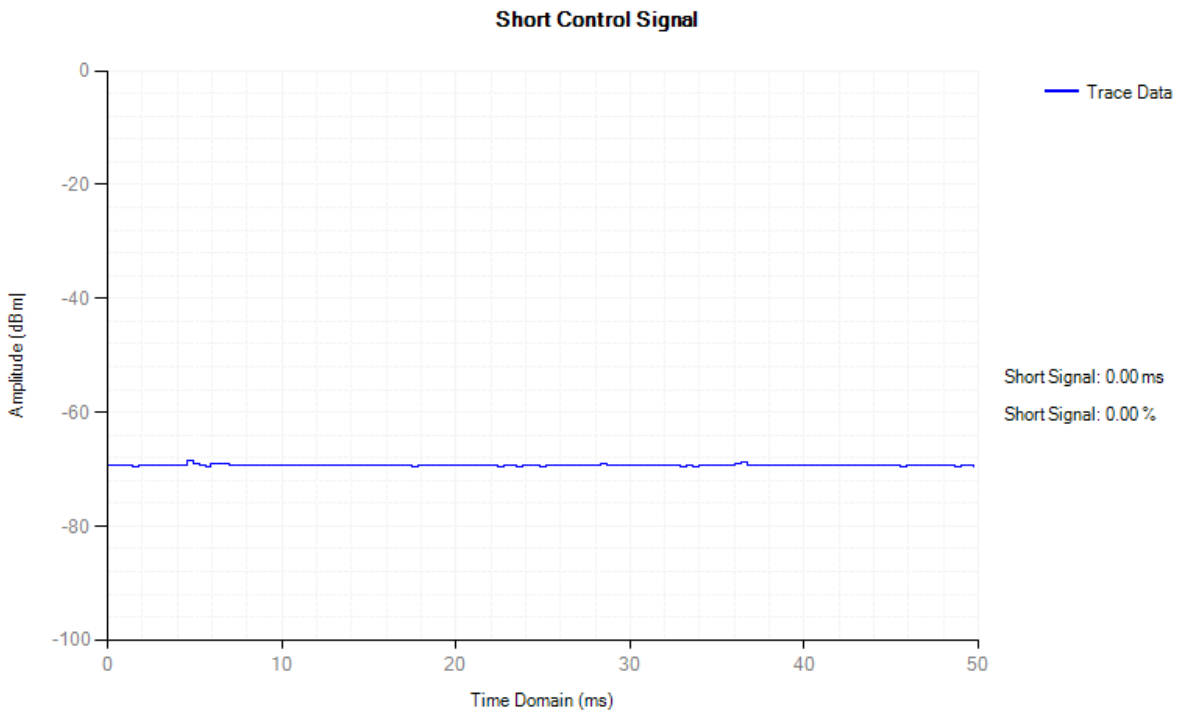




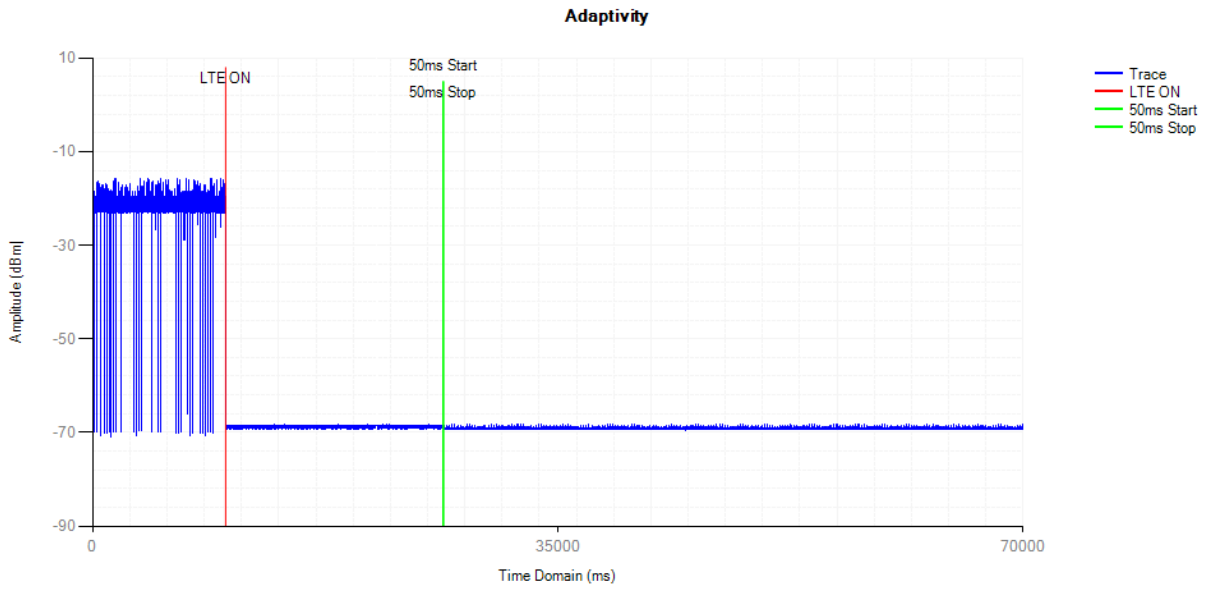
## Adaptivity NVNT 802.11n(HT20) 5180MHz AWGN



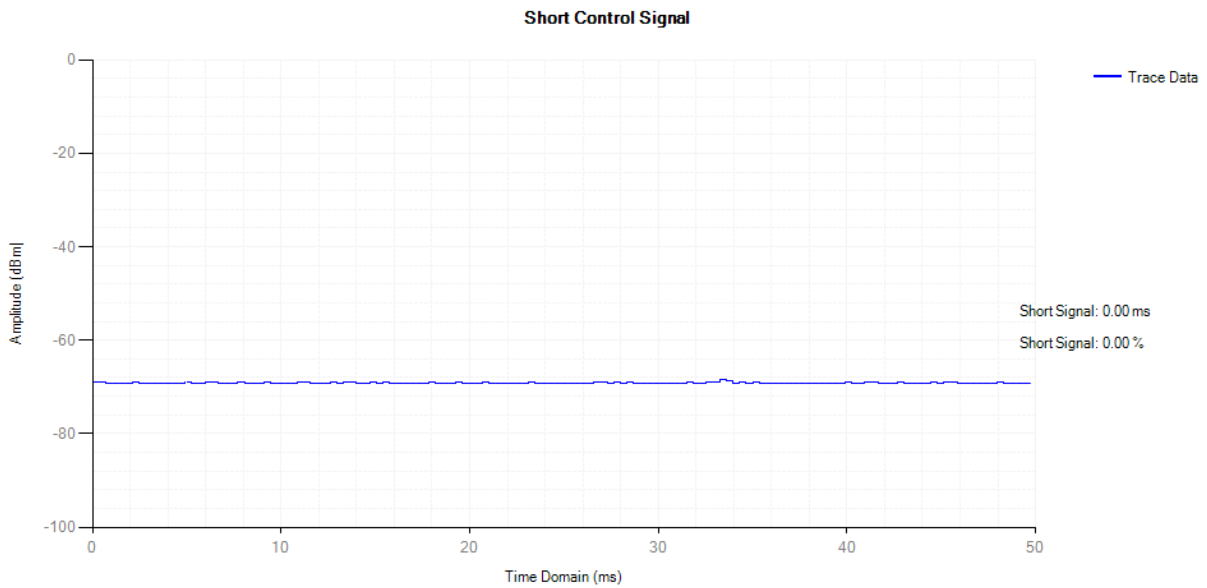
## Control Signal NVNT 802.11n(HT20) 5180MHz AWGN



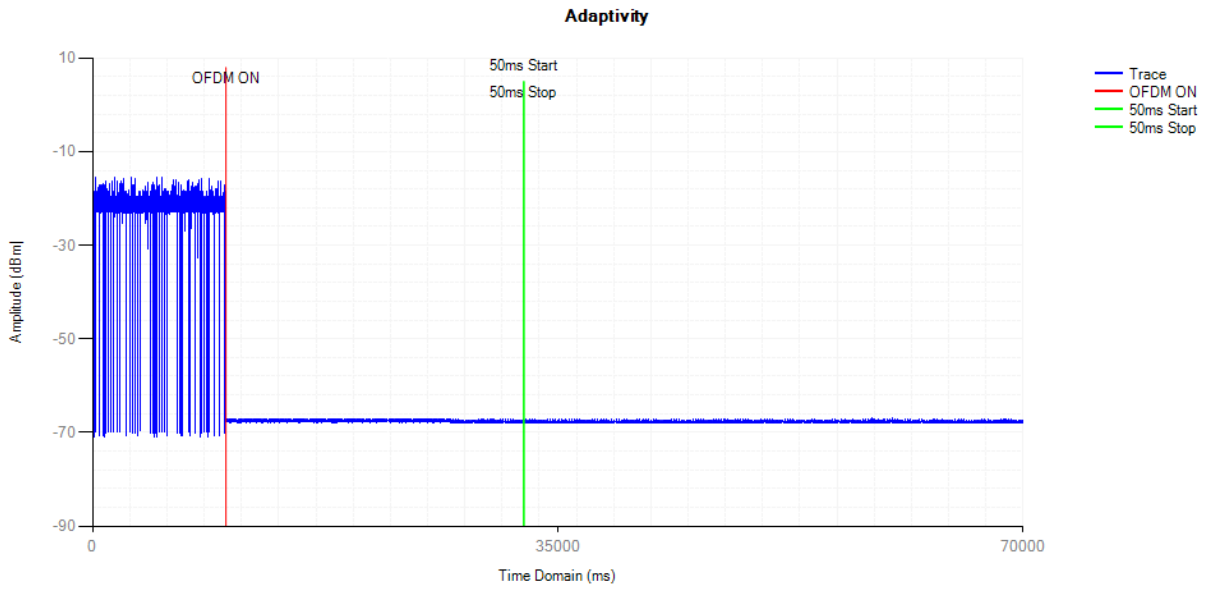
## Adaptivity NVNT 802.11n(HT20) 5180MHz LTE



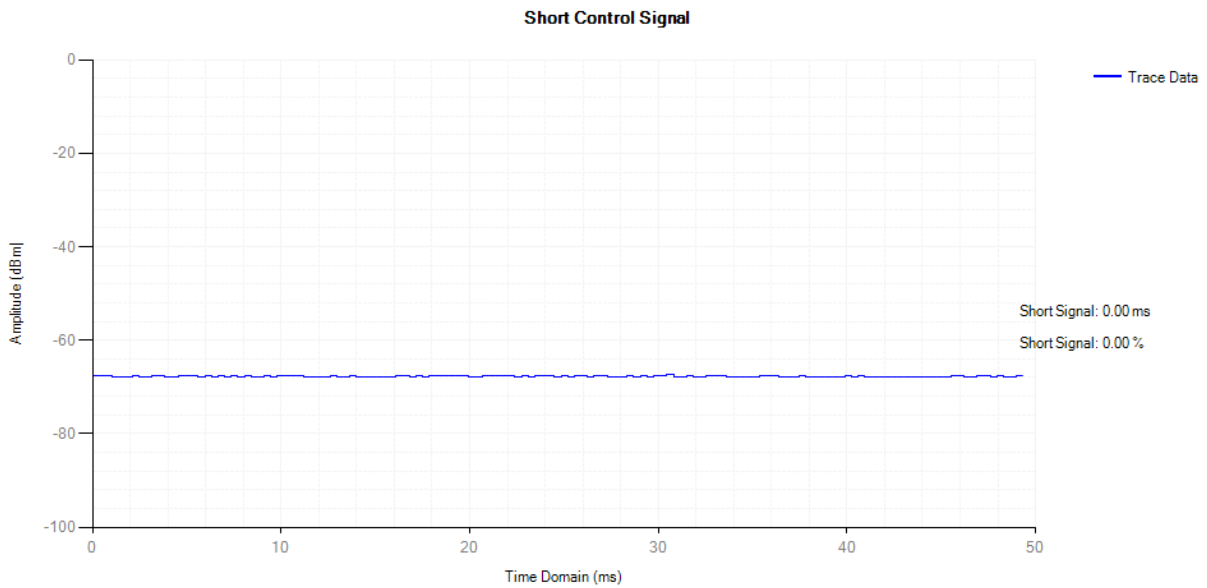
## Control Signal NVNT 802.11n(HT20) 5180MHz LTE



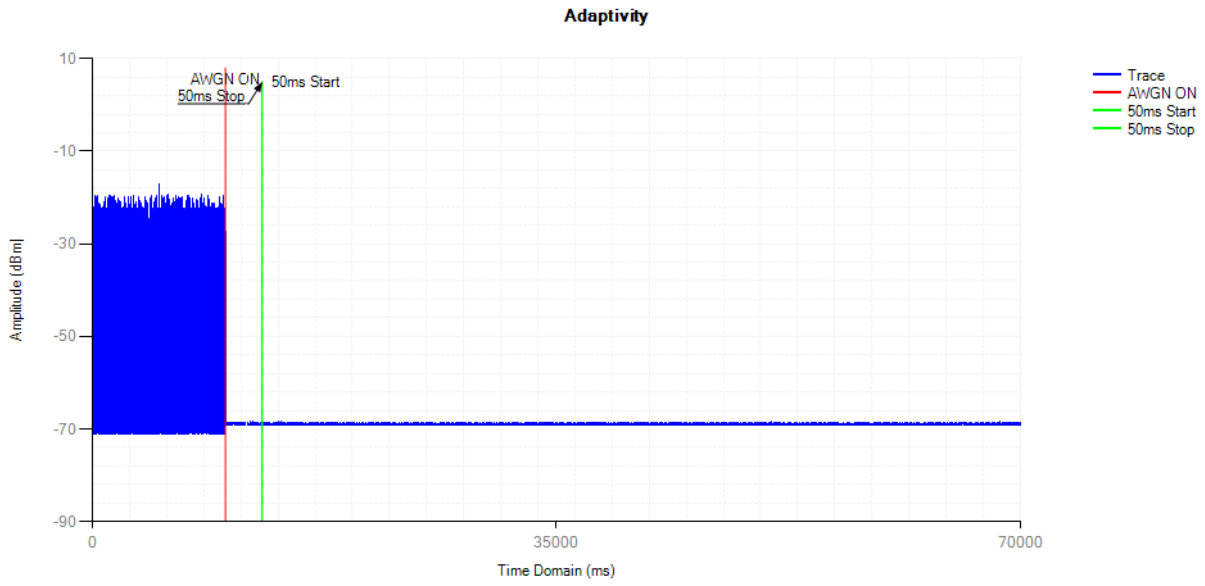
## Adaptivity NVNT 802.11n(HT20) 5180MHz OFDM



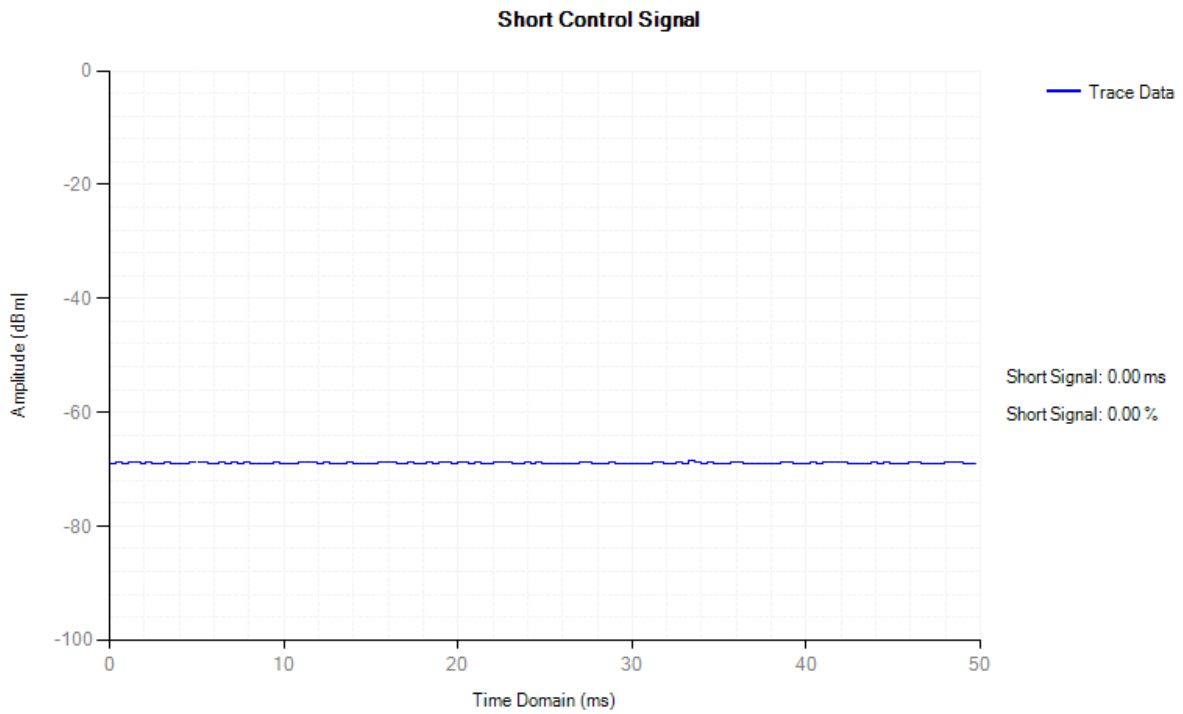
## Control Signal NVNT 802.11n(HT20) 5180MHz OFDM



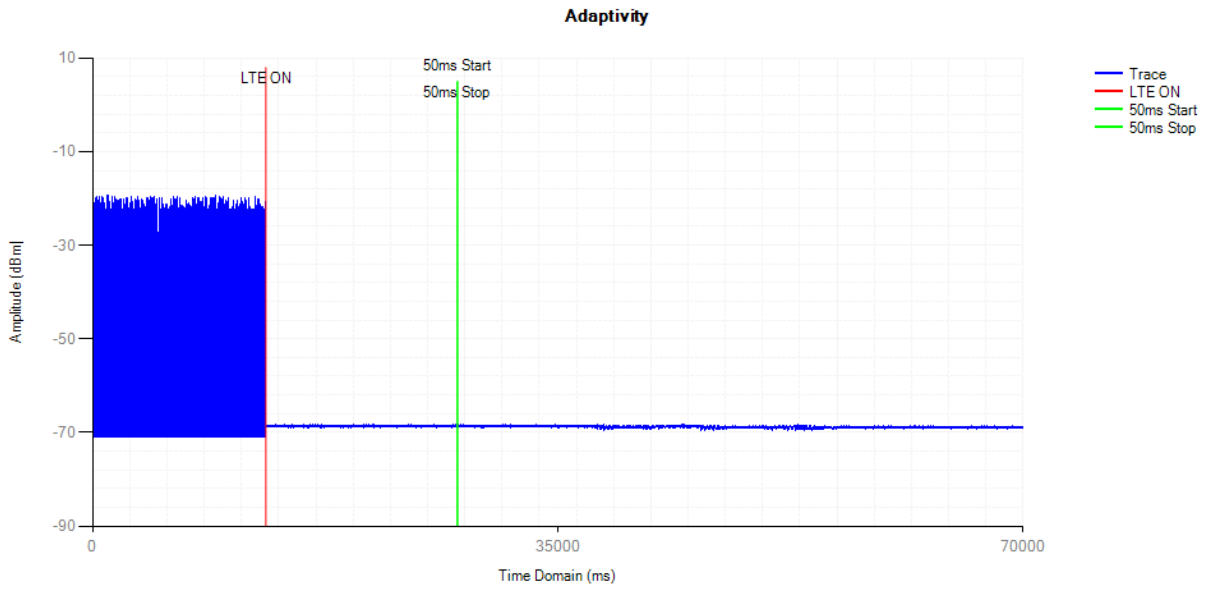
## Adaptivity NVNT 802.11n(HT40) 5190MHz AWGN



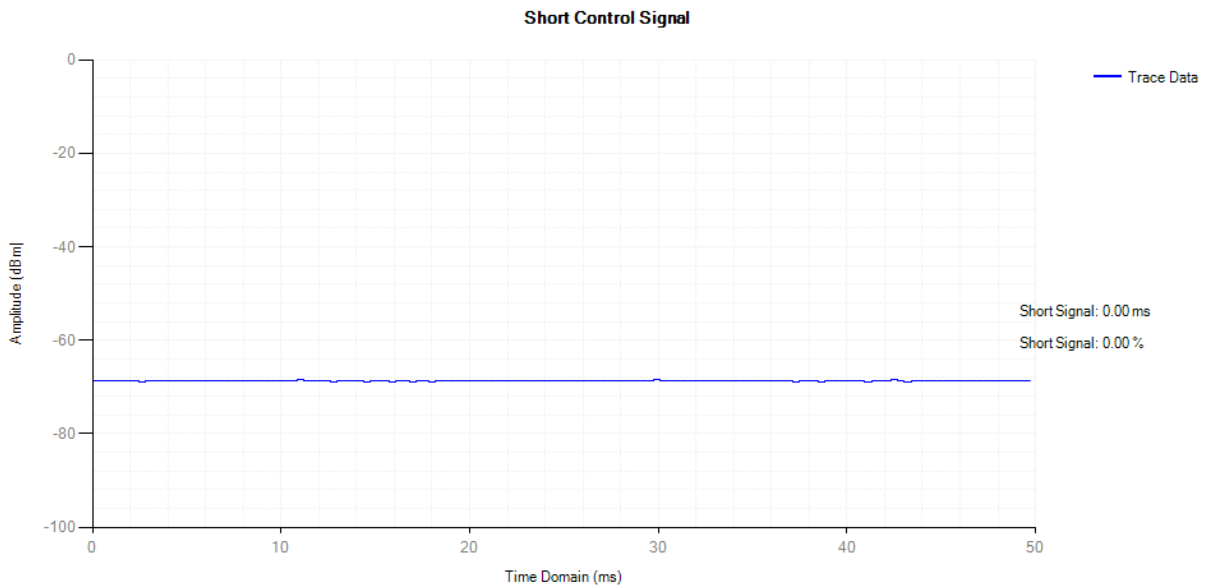
## Control Signal NVNT 802.11n(HT40) 5190MHz AWGN



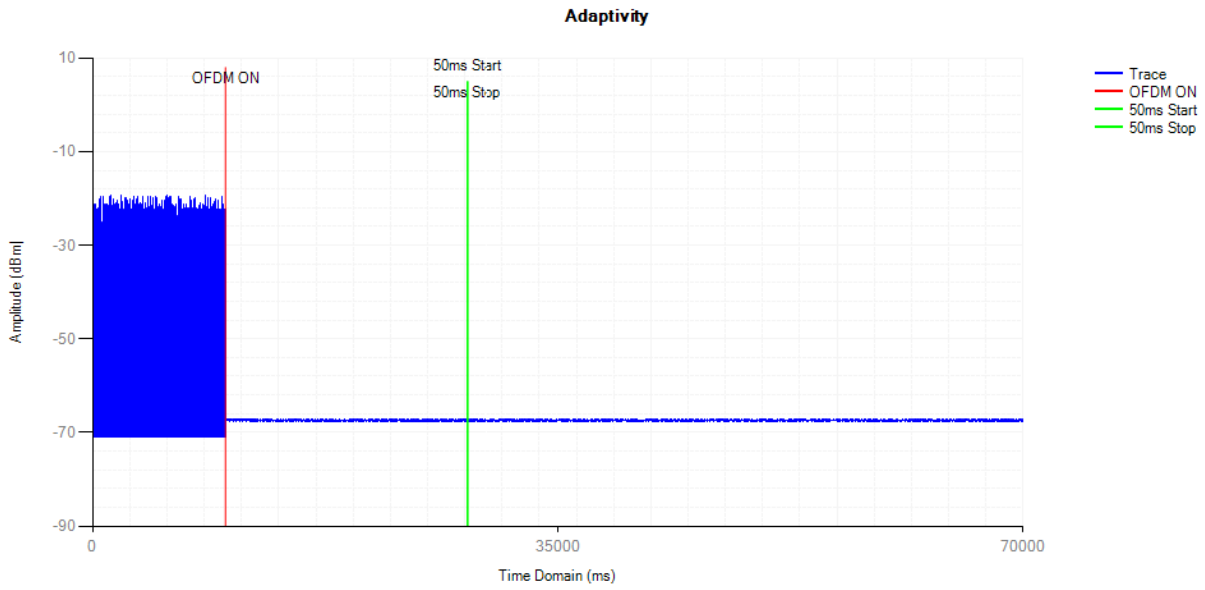
## Adaptivity NVNT 802.11n(HT40) 5190MHz LTE



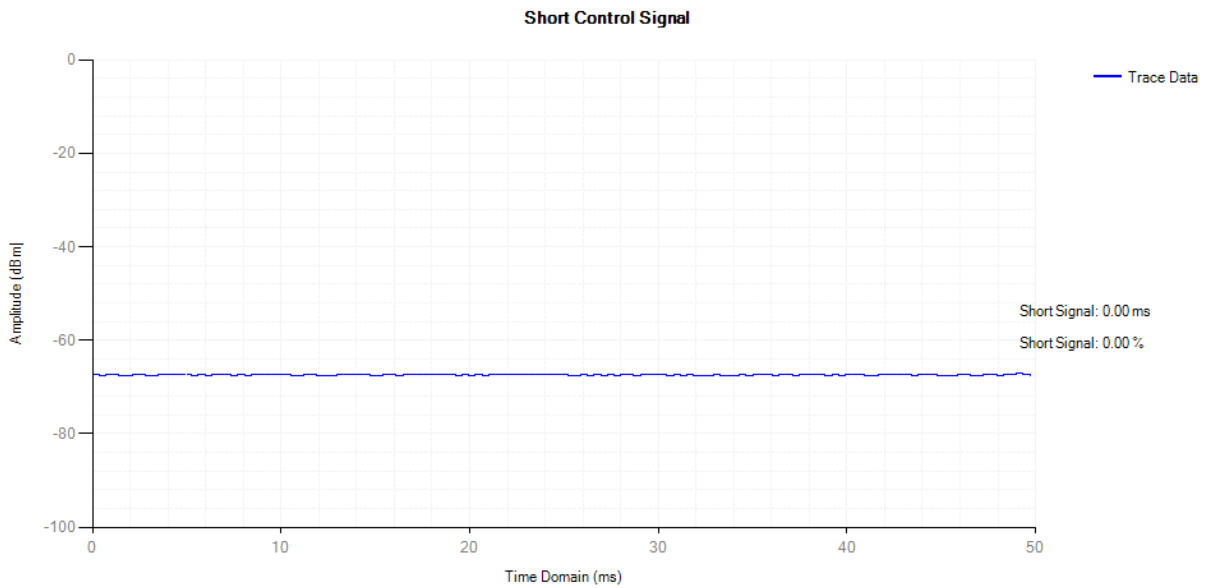
## Control Signal NVNT 802.11n(HT40) 5190MHz LTE



## Adaptivity NVNT 802.11n(HT40) 5190MHz OFDM



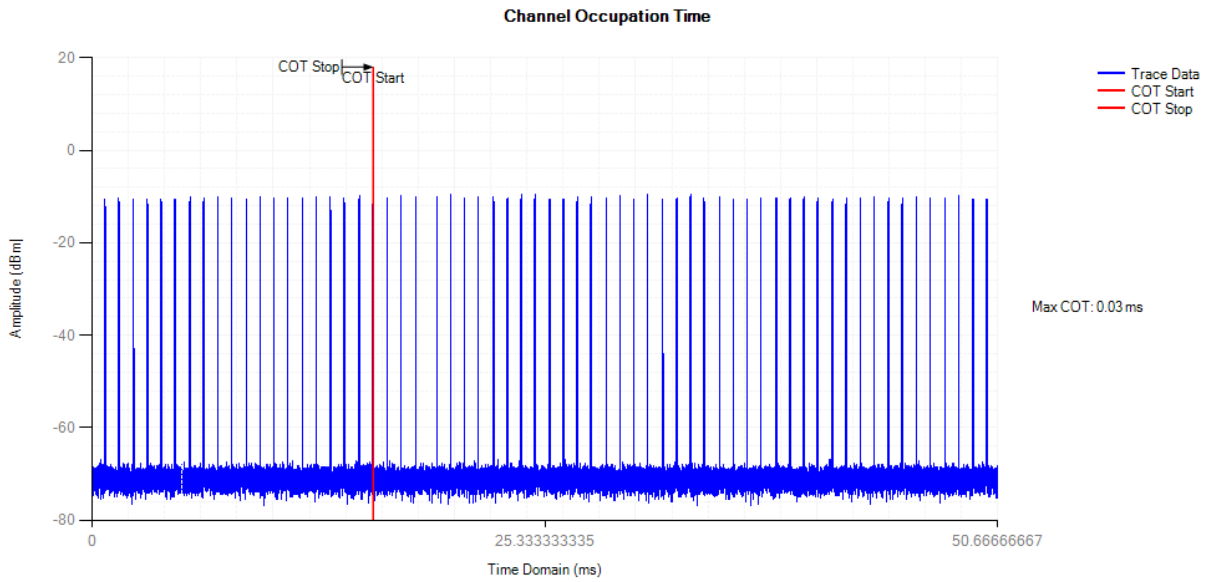
## Control Signal NVNT 802.11n(HT40) 5190MHz OFDM



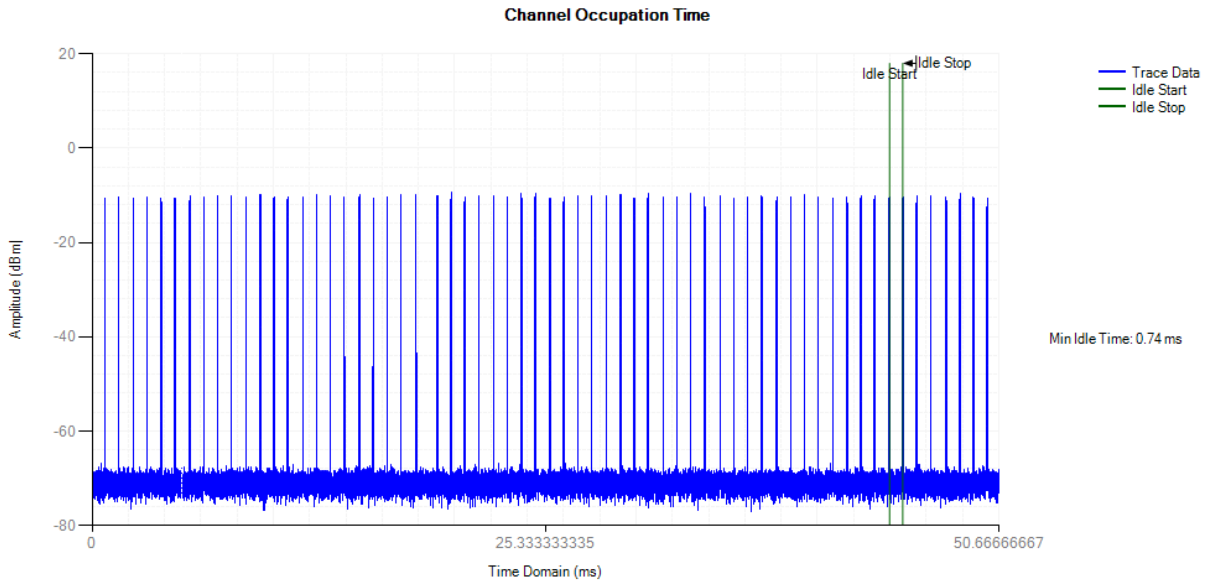
### 5.4.9 Adaptivity COT Channel Occupancy Time(worst case mode)

Condition	Mode	Frequency (MHz)	Priority Class	Max COT (ms)	Limit COT (ms)	Min Idle Time (ms)	Limit Idle Time (ms)	Verdict
NVNT	802.11a	5180	2	0.034	<=6	0.737	>0.027	Pass
NVNT	802.11ac20	5180	2	0.076	<=6	0.182	>0.027	Pass
NVNT	802.11ac40	5190	2	0.032	<=6	0.11	>0.027	Pass
NVNT	802.11ac80	5210	2	0.032	<=6	0.111	>0.027	Pass
NVNT	802.11n(HT20)	5180	2	0.077	<=6	0.166	>0.027	Pass
NVNT	802.11n(HT40)	5190	2	0.167	<=6	0.048	>0.027	Pass

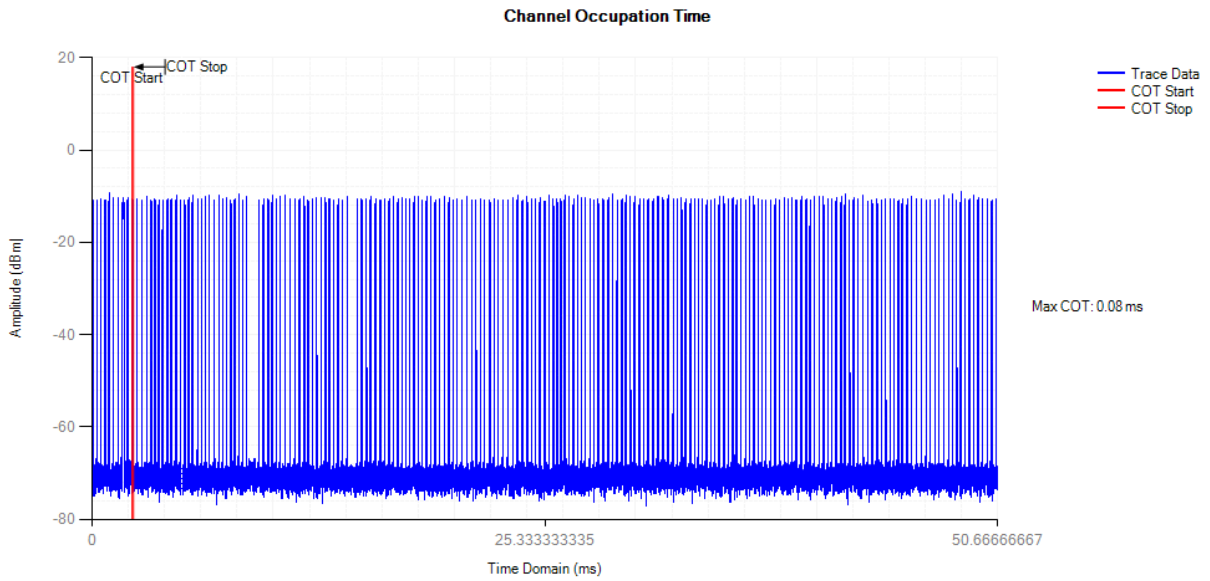
COT NVNT 802.11a 5180MHz



### Idle NVNT 802.11a 5180MHz

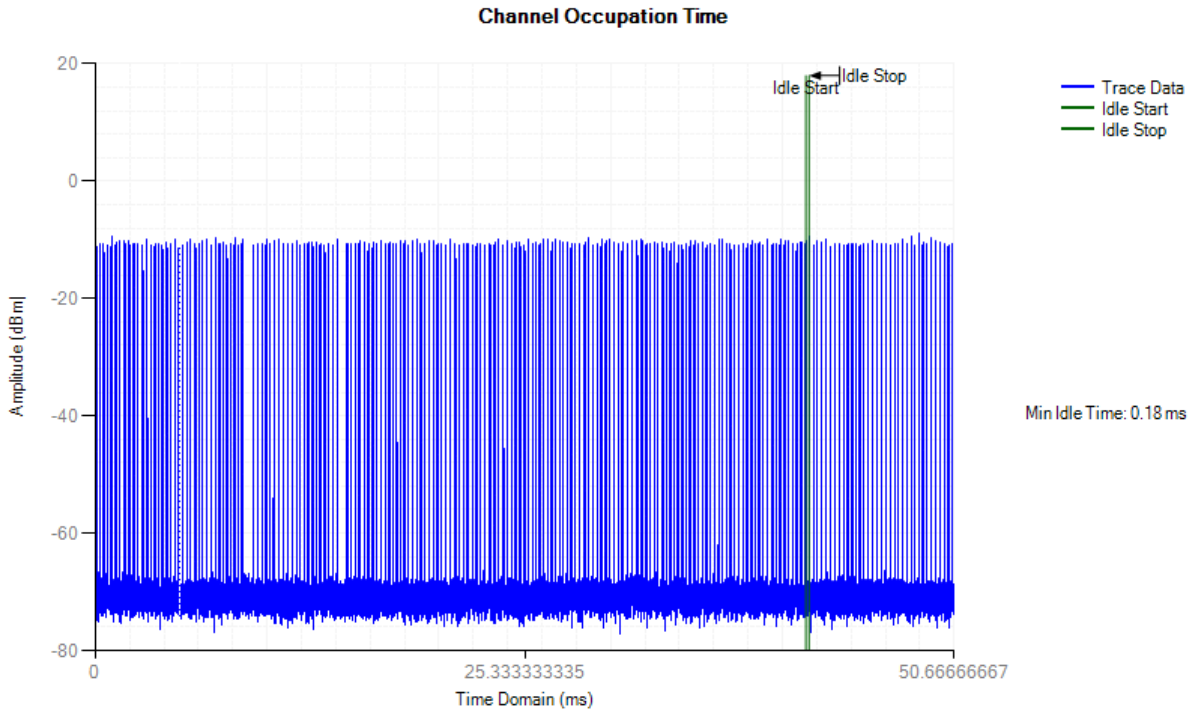


### COT NVNT 802.11ac20 5180MHz

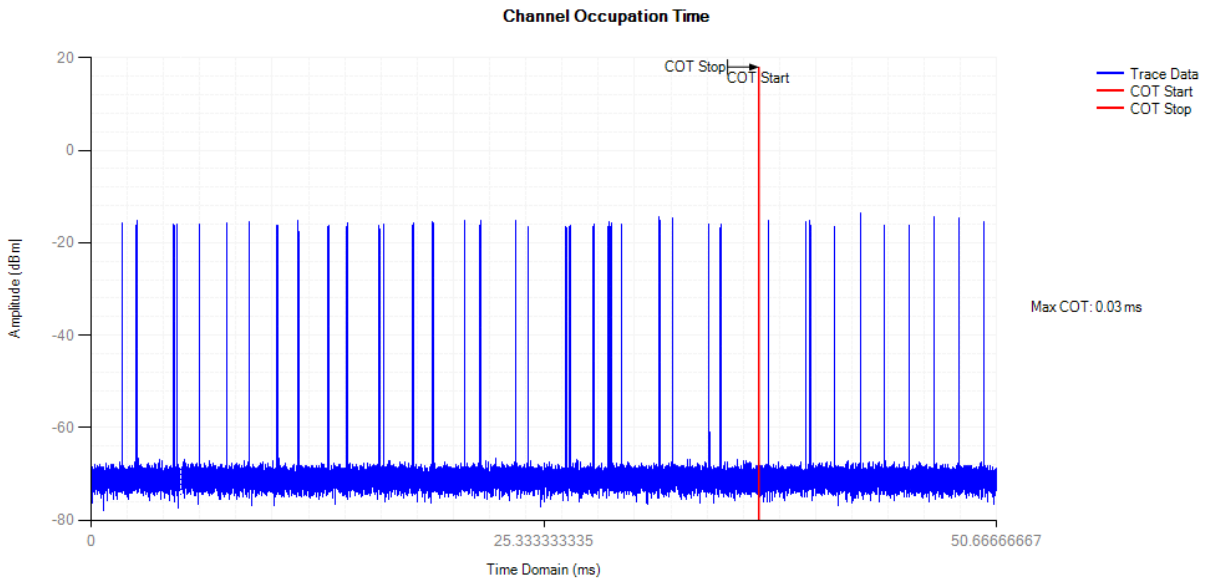




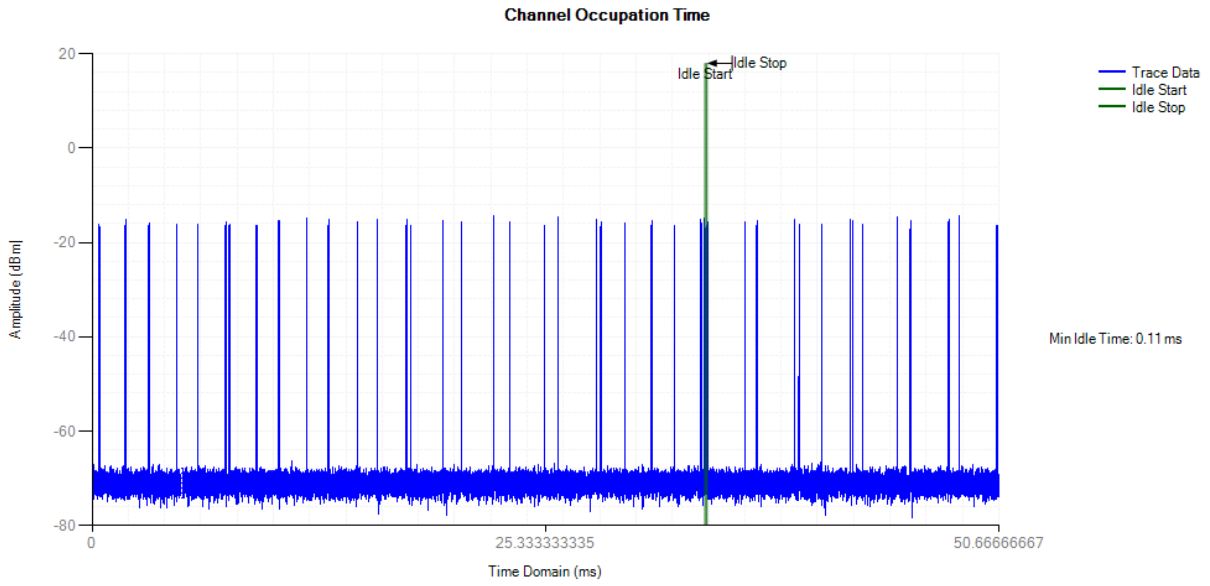
### Idle NVNT 802.11ac20 5180MHz



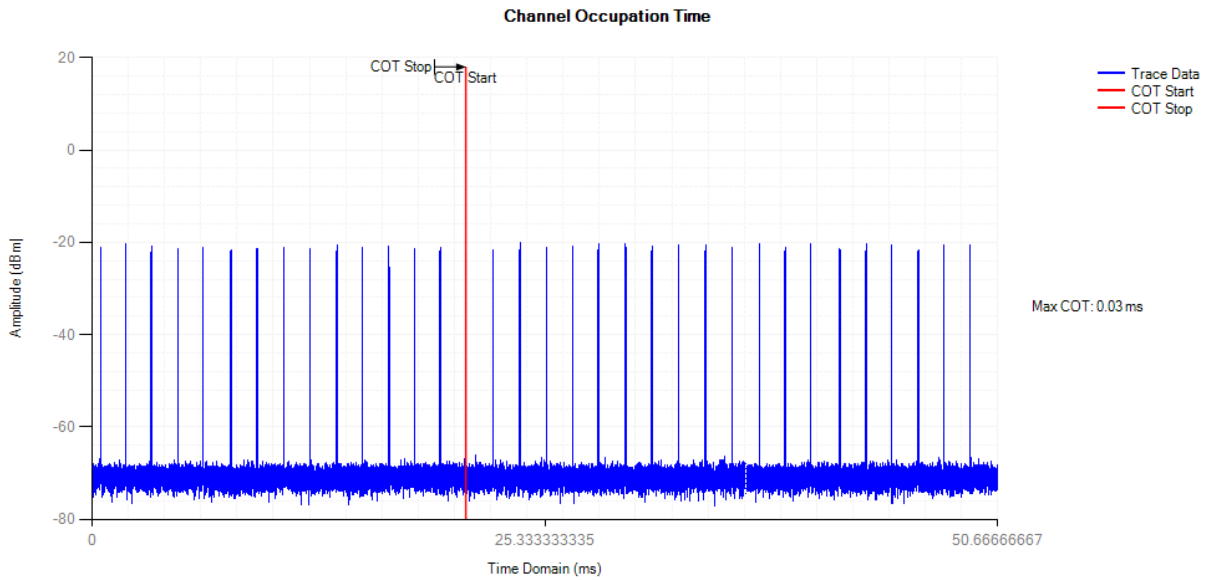
### COT NVNT 802.11ac40 5190MHz



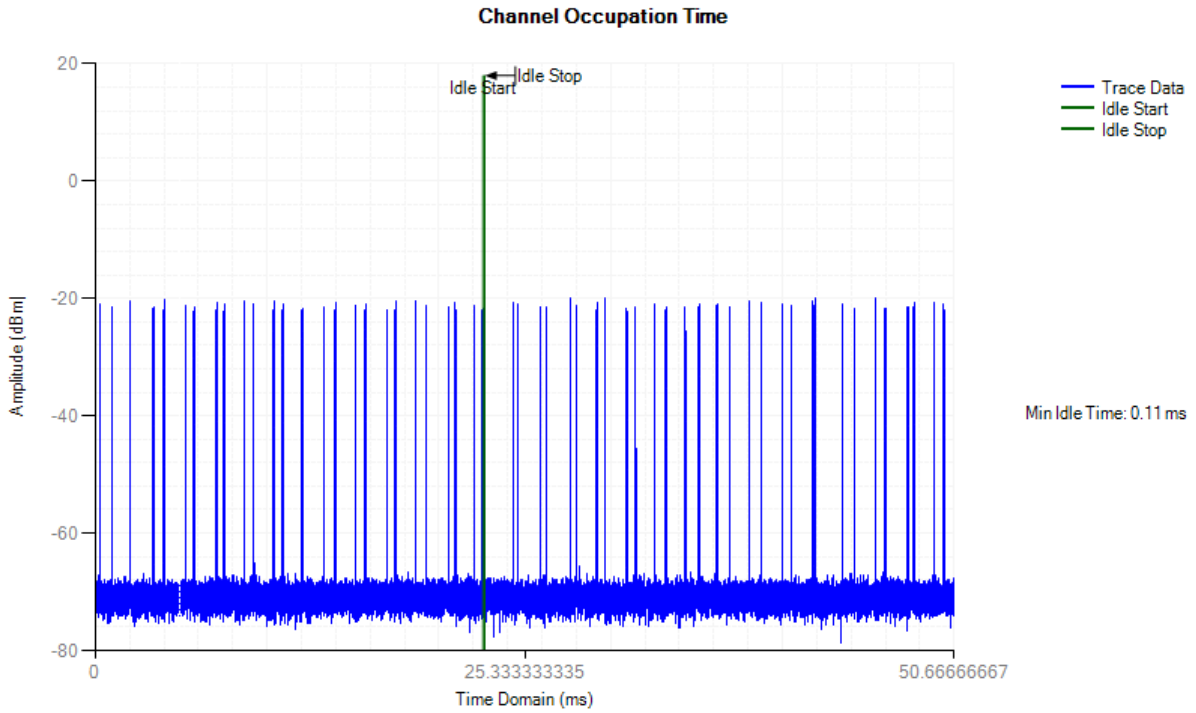
### Idle NVNT 802.11ac40 5190MHz



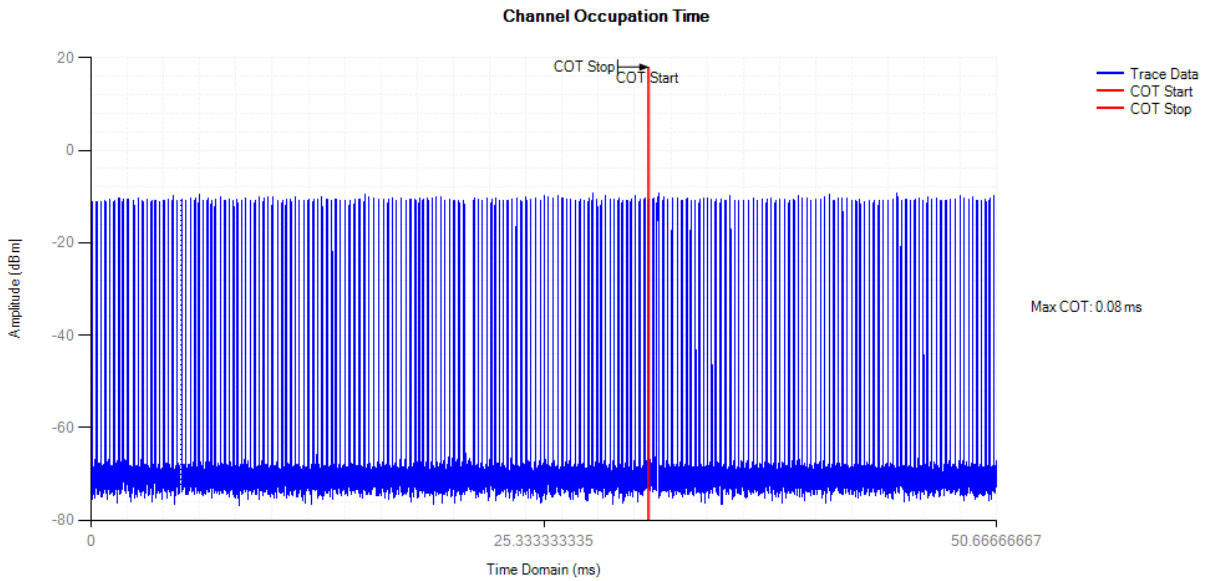
### COT NVNT 802.11ac80 5210MHz



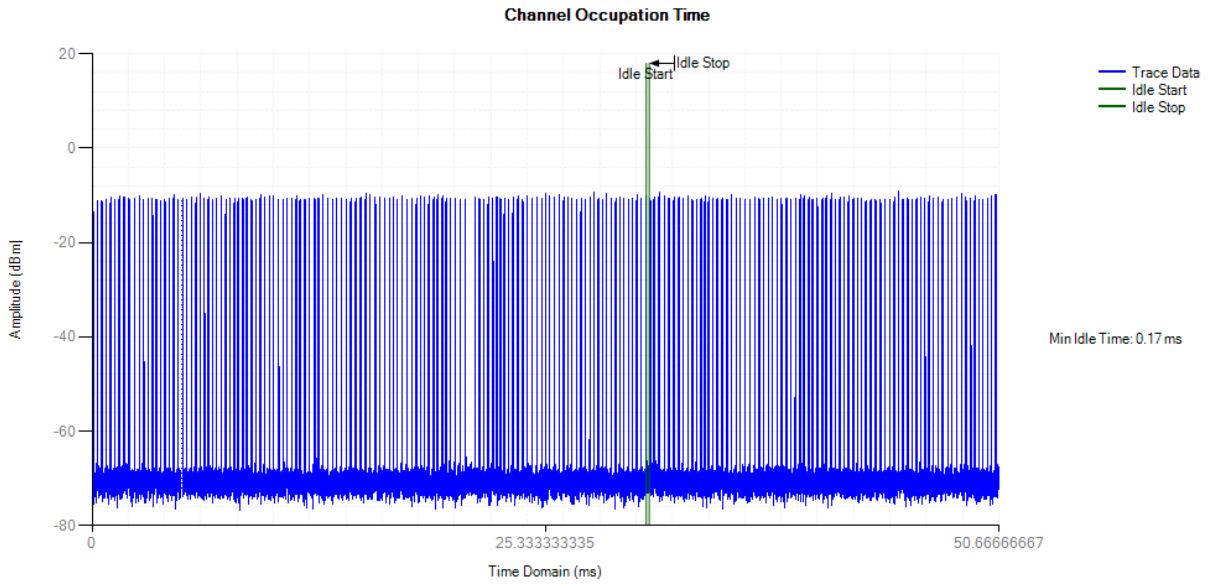
### Idle NVNT 802.11ac80 5210MHz



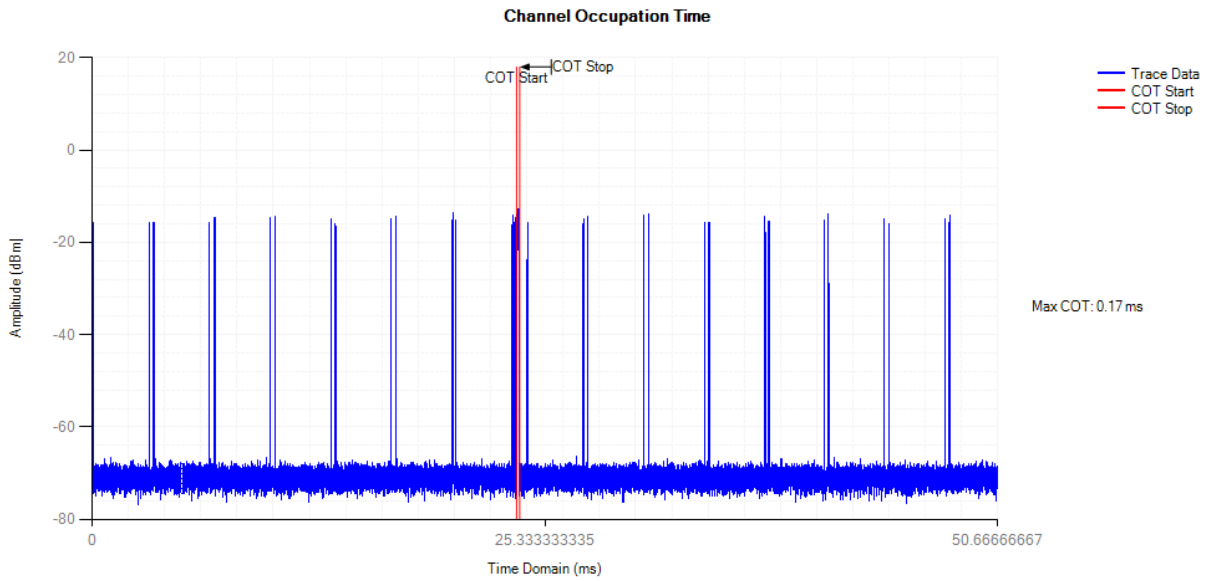
### COT NVNT 802.11n(HT20) 5180MHz



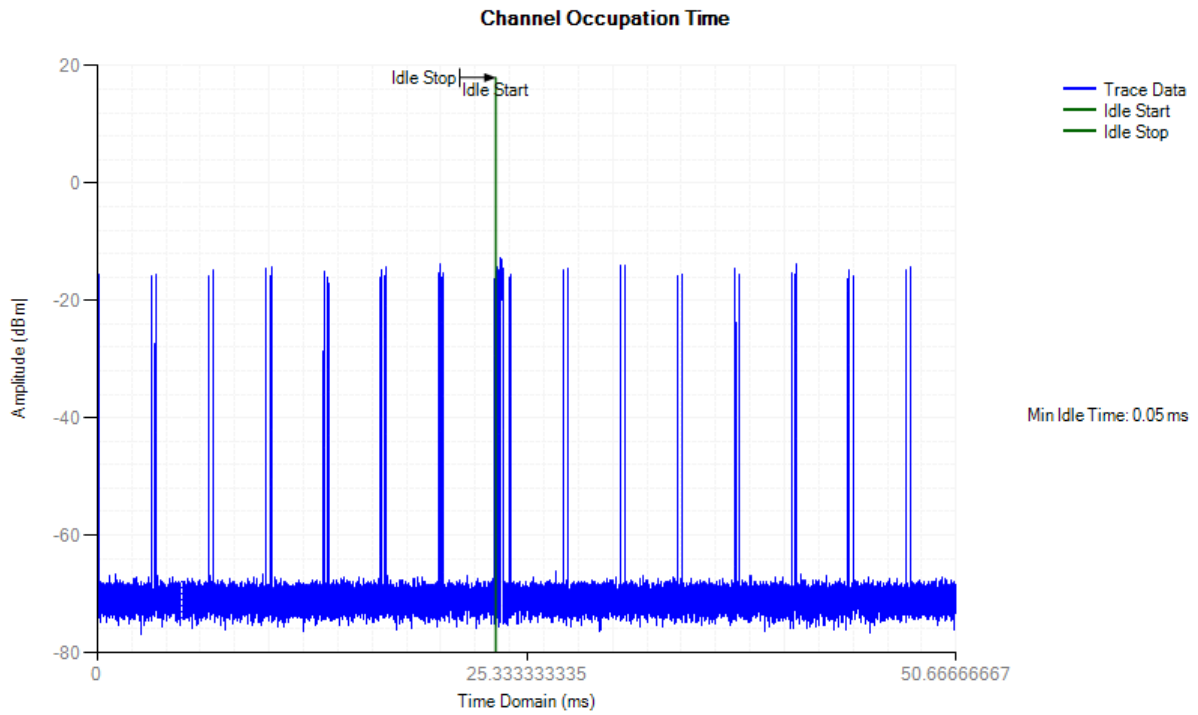
### Idle NVNT 802.11n(HT20) 5180MHz



### COT NVNT 802.11n(HT40) 5190MHz



Idle NVNT 802.11n(HT40) 5190MHz



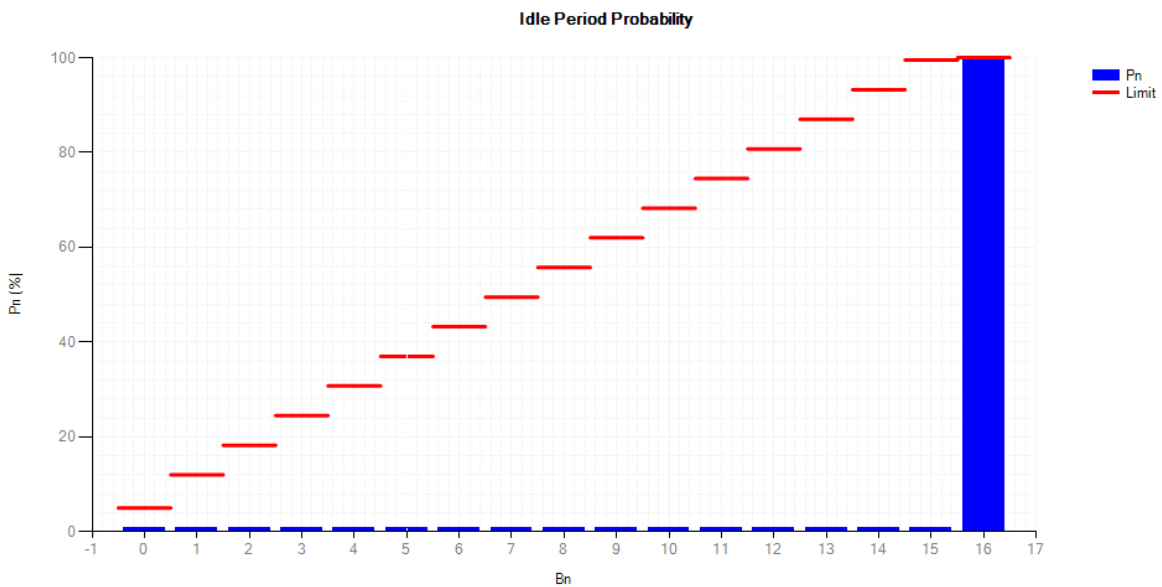
## 5.4.9 Adaptivity COT Idle Period Probability(worst case mode)

Condition	Mode	Frequency (MHz)	Priority Class	Bn	H(Bn)	Pn (%)	Limit (%)	Verdict
NVNT	802.11a	5180	2	0	1	0.8	5	Pass
NVNT	802.11a	5180	2	1	0	0.8	12	Pass
NVNT	802.11a	5180	2	2	0	0.8	18.25	Pass
NVNT	802.11a	5180	2	3	0	0.8	24.5	Pass
NVNT	802.11a	5180	2	4	0	0.8	30.75	Pass
NVNT	802.11a	5180	2	5	0	0.8	37	Pass
NVNT	802.11a	5180	2	6	0	0.8	43.25	Pass
NVNT	802.11a	5180	2	7	0	0.8	49.5	Pass
NVNT	802.11a	5180	2	8	0	0.8	55.75	Pass
NVNT	802.11a	5180	2	9	0	0.8	62	Pass
NVNT	802.11a	5180	2	10	0	0.8	68.25	Pass
NVNT	802.11a	5180	2	11	0	0.8	74.5	Pass
NVNT	802.11a	5180	2	12	0	0.8	80.75	Pass
NVNT	802.11a	5180	2	13	0	0.8	87	Pass
NVNT	802.11a	5180	2	14	0	0.8	93.25	Pass
NVNT	802.11a	5180	2	15	0	0.8	99.5	Pass
NVNT	802.11a	5180	2	16	124	100	100	Pass
NVNT	802.11ac20	5180	2	0	0	0	5	Pass
NVNT	802.11ac20	5180	2	1	0	0	12	Pass
NVNT	802.11ac20	5180	2	2	0	0	18.25	Pass
NVNT	802.11ac20	5180	2	3	0	0	24.5	Pass
NVNT	802.11ac20	5180	2	4	0	0	30.75	Pass
NVNT	802.11ac20	5180	2	5	0	0	37	Pass
NVNT	802.11ac20	5180	2	6	0	0	43.25	Pass
NVNT	802.11ac20	5180	2	7	0	0	49.5	Pass
NVNT	802.11ac20	5180	2	8	0	0	55.75	Pass
NVNT	802.11ac20	5180	2	9	0	0	62	Pass
NVNT	802.11ac20	5180	2	10	0	0	68.25	Pass
NVNT	802.11ac20	5180	2	11	0	0	74.5	Pass
NVNT	802.11ac20	5180	2	12	0	0	80.75	Pass
NVNT	802.11ac20	5180	2	13	0	0	87	Pass
NVNT	802.11ac20	5180	2	14	0	0	93.25	Pass
NVNT	802.11ac20	5180	2	15	0	0	99.5	Pass
NVNT	802.11ac20	5180	2	16	203	100	100	Pass
NVNT	802.11ac40	5190	2	0	2	1.67	5	Pass
NVNT	802.11ac40	5190	2	1	0	1.67	12	Pass
NVNT	802.11ac40	5190	2	2	0	1.67	18.25	Pass

NVNT	802.11ac40	5190	2	3	0	1.67	24.5	Pass
NVNT	802.11ac40	5190	2	4	0	1.67	30.75	Pass
NVNT	802.11ac40	5190	2	5	0	1.67	37	Pass
NVNT	802.11ac40	5190	2	6	0	1.67	43.25	Pass
NVNT	802.11ac40	5190	2	7	0	1.67	49.5	Pass
NVNT	802.11ac40	5190	2	8	3	4.17	55.75	Pass
NVNT	802.11ac40	5190	2	9	0	4.17	62	Pass
NVNT	802.11ac40	5190	2	10	0	4.17	68.25	Pass
NVNT	802.11ac40	5190	2	11	0	4.17	74.5	Pass
NVNT	802.11ac40	5190	2	12	0	4.17	80.75	Pass
NVNT	802.11ac40	5190	2	13	1	5	87	Pass
NVNT	802.11ac40	5190	2	14	1	5.83	93.25	Pass
NVNT	802.11ac40	5190	2	15	0	5.83	99.5	Pass
NVNT	802.11ac40	5190	2	16	113	100	100	Pass
NVNT	802.11ac80	5210	2	0	2	1.61	5	Pass
NVNT	802.11ac80	5210	2	1	0	1.61	12	Pass
NVNT	802.11ac80	5210	2	2	0	1.61	18.25	Pass
NVNT	802.11ac80	5210	2	3	0	1.61	24.5	Pass
NVNT	802.11ac80	5210	2	4	0	1.61	30.75	Pass
NVNT	802.11ac80	5210	2	5	0	1.61	37	Pass
NVNT	802.11ac80	5210	2	6	0	1.61	43.25	Pass
NVNT	802.11ac80	5210	2	7	0	1.61	49.5	Pass
NVNT	802.11ac80	5210	2	8	1	2.42	55.75	Pass
NVNT	802.11ac80	5210	2	9	1	3.23	62	Pass
NVNT	802.11ac80	5210	2	10	0	3.23	68.25	Pass
NVNT	802.11ac80	5210	2	11	0	3.23	74.5	Pass
NVNT	802.11ac80	5210	2	12	0	3.23	80.75	Pass
NVNT	802.11ac80	5210	2	13	0	3.23	87	Pass
NVNT	802.11ac80	5210	2	14	0	3.23	93.25	Pass
NVNT	802.11ac80	5210	2	15	0	3.23	99.5	Pass
NVNT	802.11ac80	5210	2	16	120	100	100	Pass
NVNT	802.11n(HT20)	5180	2	0	0	0	5	Pass
NVNT	802.11n(HT20)	5180	2	1	0	0	12	Pass
NVNT	802.11n(HT20)	5180	2	2	0	0	18.25	Pass
NVNT	802.11n(HT20)	5180	2	3	0	0	24.5	Pass
NVNT	802.11n(HT20)	5180	2	4	0	0	30.75	Pass
NVNT	802.11n(HT20)	5180	2	5	0	0	37	Pass
NVNT	802.11n(HT20)	5180	2	6	0	0	43.25	Pass
NVNT	802.11n(HT20)	5180	2	7	0	0	49.5	Pass
NVNT	802.11n(HT20)	5180	2	8	0	0	55.75	Pass

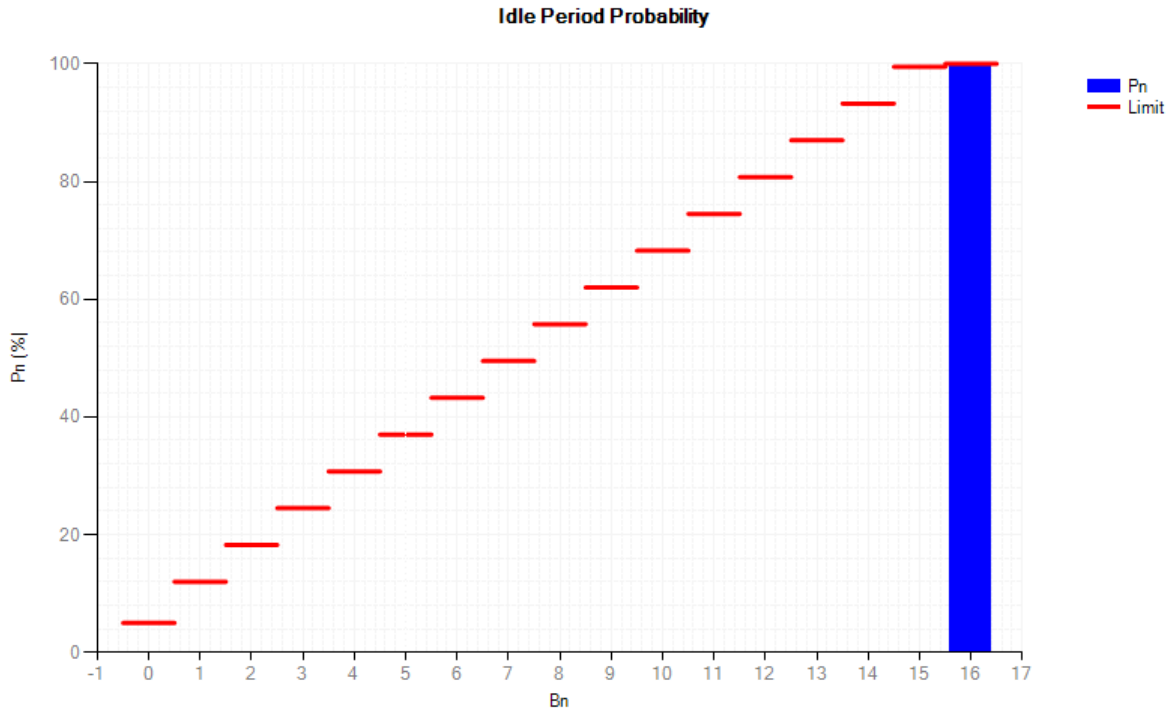
NVNT	802.11n(HT20)	5180	2	9	0	0	62	Pass
NVNT	802.11n(HT20)	5180	2	10	0	0	68.25	Pass
NVNT	802.11n(HT20)	5180	2	11	0	0	74.5	Pass
NVNT	802.11n(HT20)	5180	2	12	0	0	80.75	Pass
NVNT	802.11n(HT20)	5180	2	13	0	0	87	Pass
NVNT	802.11n(HT20)	5180	2	14	1	0.5	93.25	Pass
NVNT	802.11n(HT20)	5180	2	15	0	0.5	99.5	Pass
NVNT	802.11n(HT20)	5180	2	16	200	100	100	Pass
NVNT	802.11n(HT40)	5190	2	0	5	3.73	5	Pass
NVNT	802.11n(HT40)	5190	2	1	2	5.22	12	Pass
NVNT	802.11n(HT40)	5190	2	2	0	5.22	18.25	Pass
NVNT	802.11n(HT40)	5190	2	3	0	5.22	24.5	Pass
NVNT	802.11n(HT40)	5190	2	4	1	5.97	30.75	Pass
NVNT	802.11n(HT40)	5190	2	5	1	6.72	37	Pass
NVNT	802.11n(HT40)	5190	2	6	0	6.72	43.25	Pass
NVNT	802.11n(HT40)	5190	2	7	0	6.72	49.5	Pass
NVNT	802.11n(HT40)	5190	2	8	0	6.72	55.75	Pass
NVNT	802.11n(HT40)	5190	2	9	0	6.72	62	Pass
NVNT	802.11n(HT40)	5190	2	10	1	7.46	68.25	Pass
NVNT	802.11n(HT40)	5190	2	11	0	7.46	74.5	Pass
NVNT	802.11n(HT40)	5190	2	12	1	8.21	80.75	Pass
NVNT	802.11n(HT40)	5190	2	13	3	10.45	87	Pass
NVNT	802.11n(HT40)	5190	2	14	3	12.69	93.25	Pass
NVNT	802.11n(HT40)	5190	2	15	11	20.9	99.5	Pass
NVNT	802.11n(HT40)	5190	2	16	106	100	100	Pass

Idle Period Probability NVNT 802.11a 5180MHz

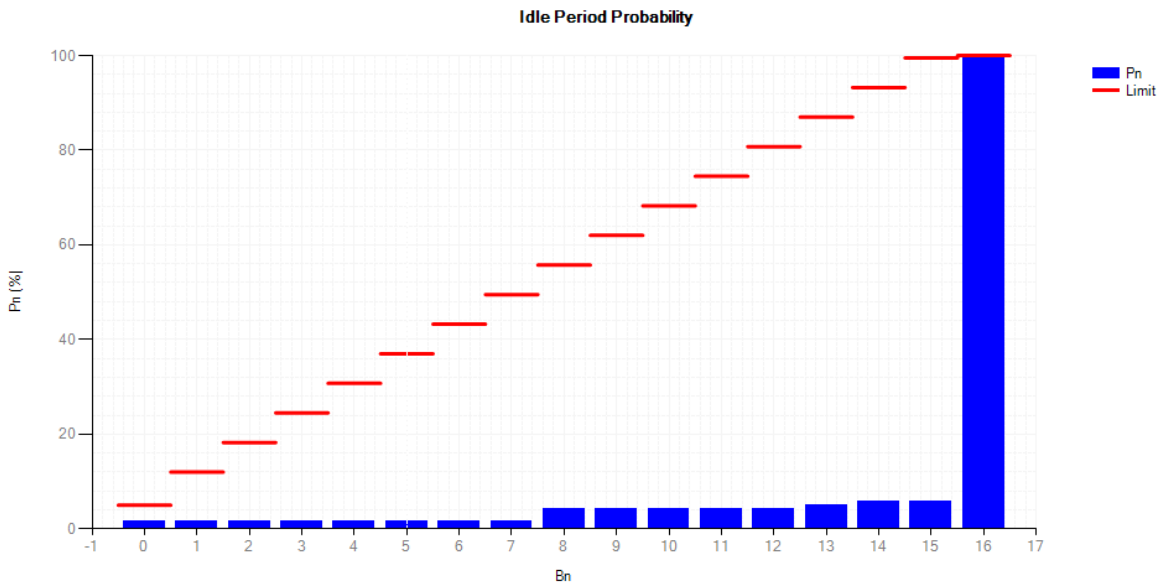




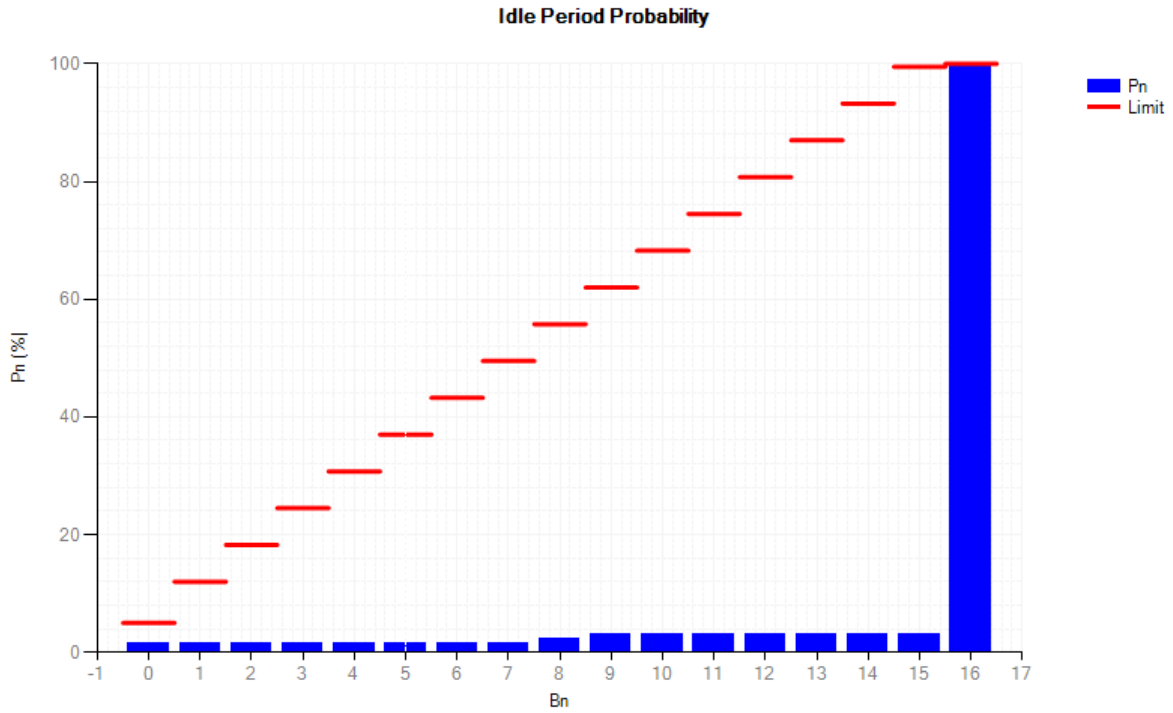
Idle Period Probability NVNT 802.11ac20 5180MHz



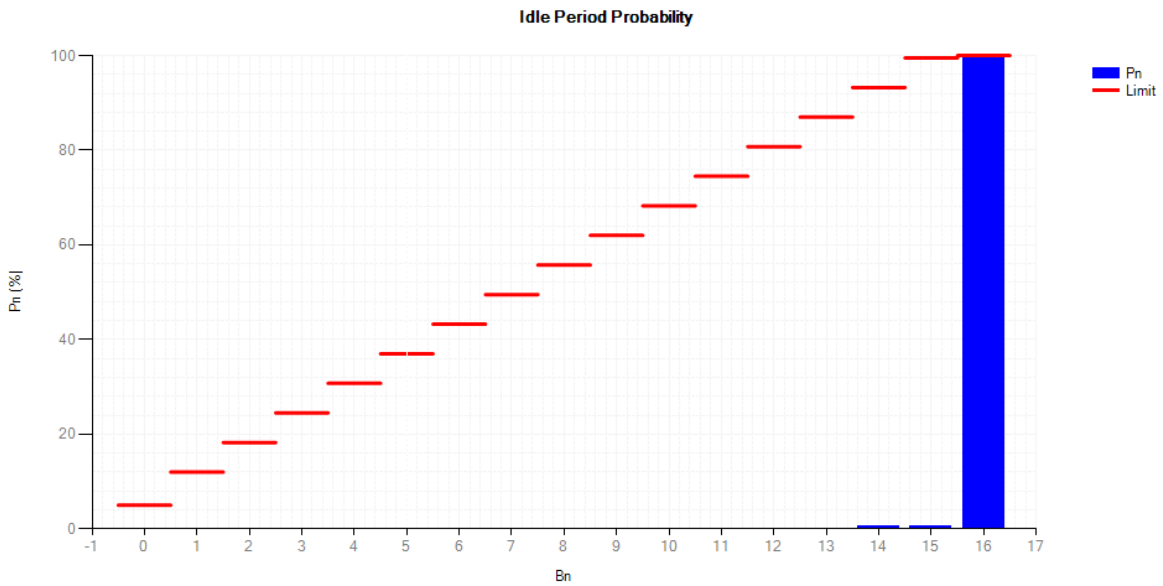
Idle Period Probability NVNT 802.11ac40 5190MHz



Idle Period Probability NVNT 802.11ac80 5210MHz



Idle Period Probability NVNT 802.11n(HT20) 5180MHz



Idle Period Probability NVNT 802.11n(HT40) 5190MHz

