

## Appendix Test Data

Report No.:	18220WC10109304	Test Date:	2021.7.9
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.3%
Pressure:	1012 hPa		

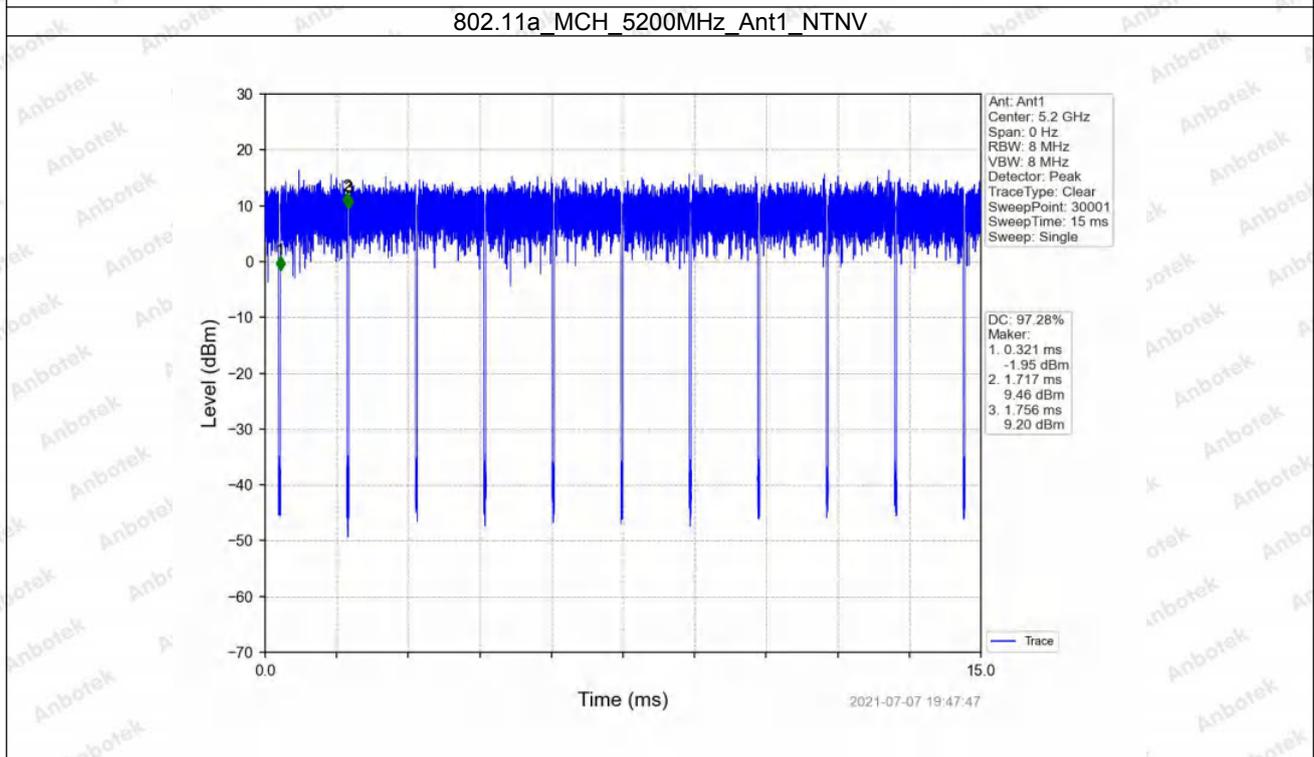
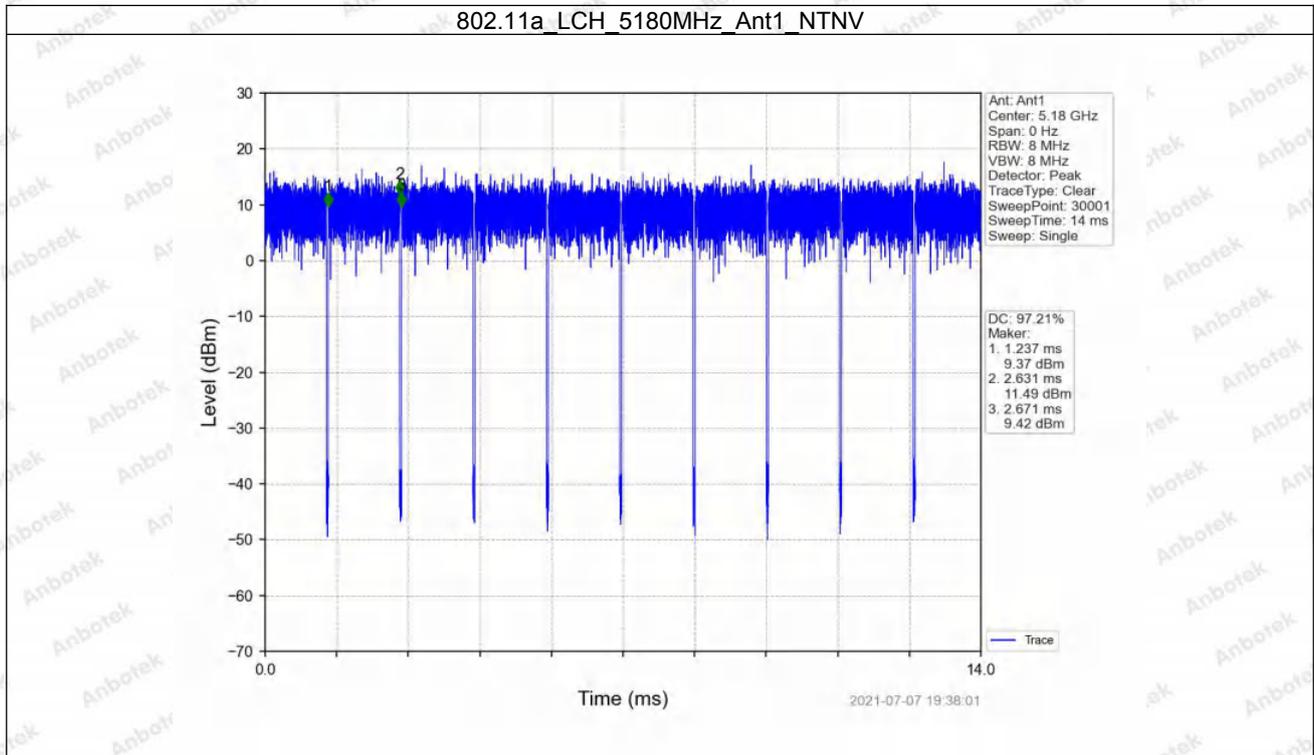
### 1. Duty Cycle

#### 1.1 Ant1

##### 1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.39	1.43	97.21	0.12	0.03
		5200	1.40	1.44	97.28	0.12	0.03
		5240	1.40	1.44	97.28	0.12	0.03
802.11n (HT20)	MIMO	5180	1.31	1.35	97.10	0.13	0.00
		5200	1.31	1.35	97.10	0.13	0.03
		5240	1.31	1.35	97.10	0.13	0.00
802.11n (HT40)	MIMO	5190	0.65	0.69	94.03	0.27	0.03
		5230	0.65	0.69	94.32	0.25	0.03
802.11ac (VHT20)	MIMO	5180	1.31	1.35	97.05	0.13	0.03
		5200	1.31	1.35	96.97	0.13	0.03
		5240	1.31	1.35	96.97	0.13	0.03
802.11ac (VHT40)	MIMO	5190	0.65	0.69	94.10	0.26	0.03
		5230	0.66	0.69	94.39	0.25	0.03
802.11ac (VHT80)	MIMO	5210	0.32	0.36	88.71	0.52	0.07

### 1.1.2 Test Graph

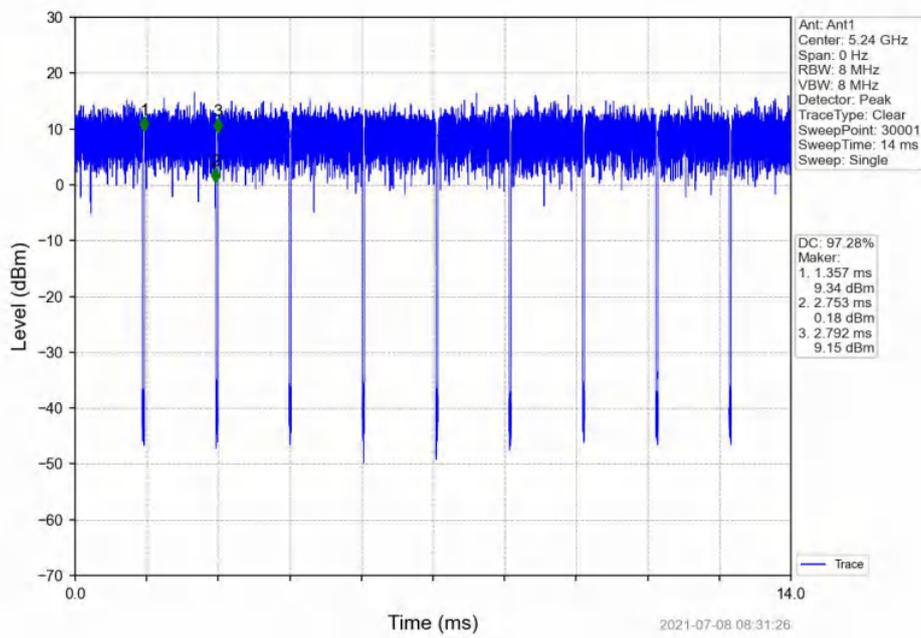


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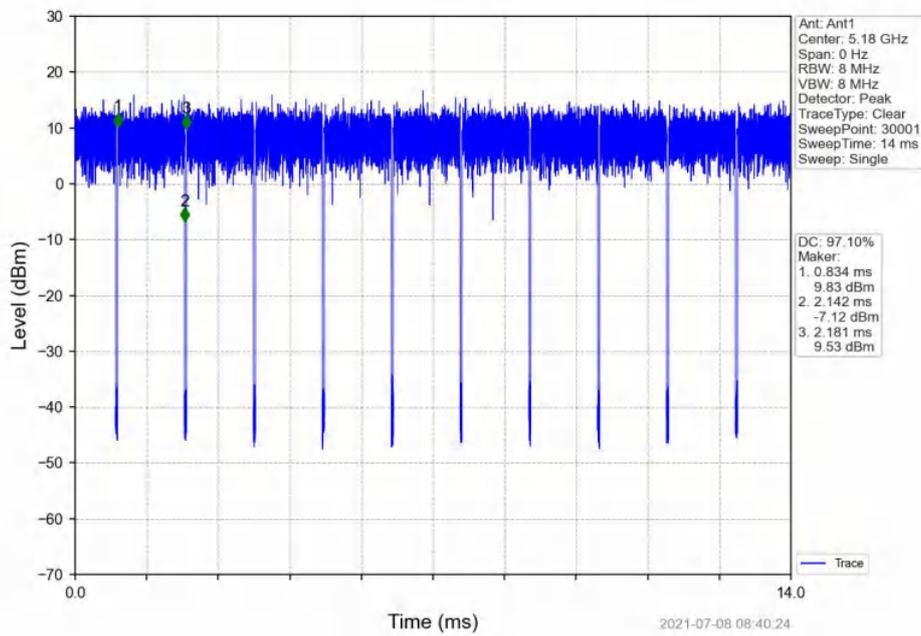
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



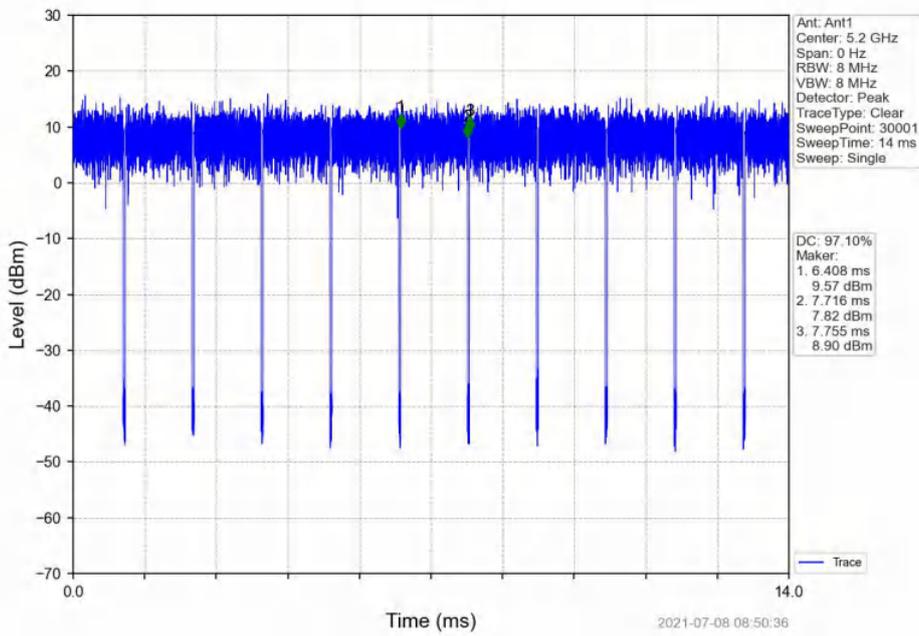
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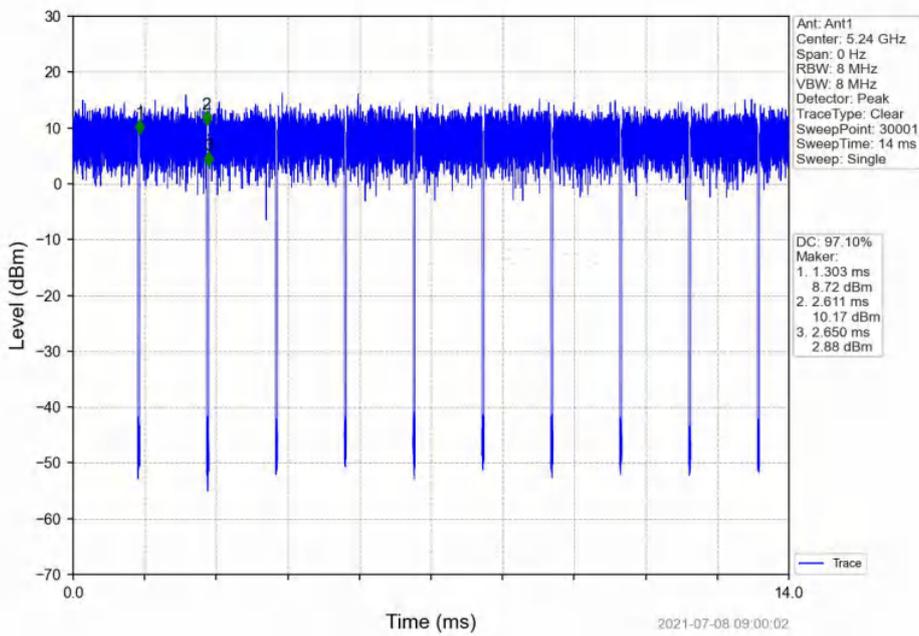
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



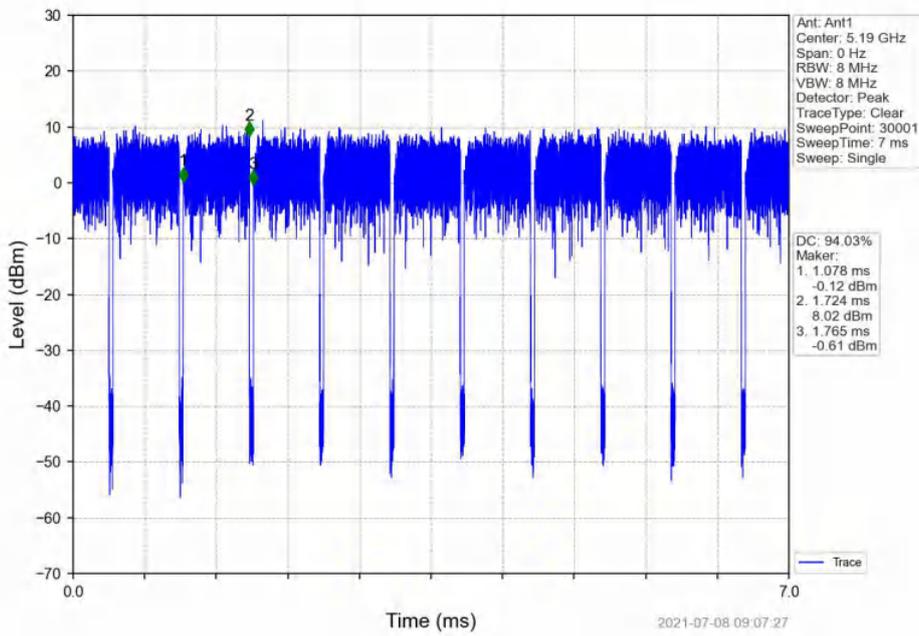
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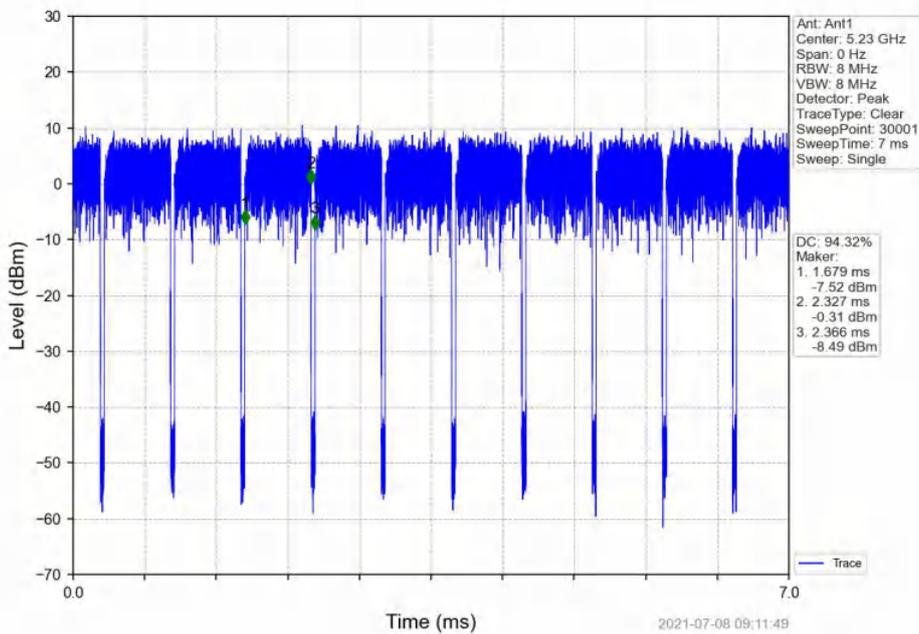
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



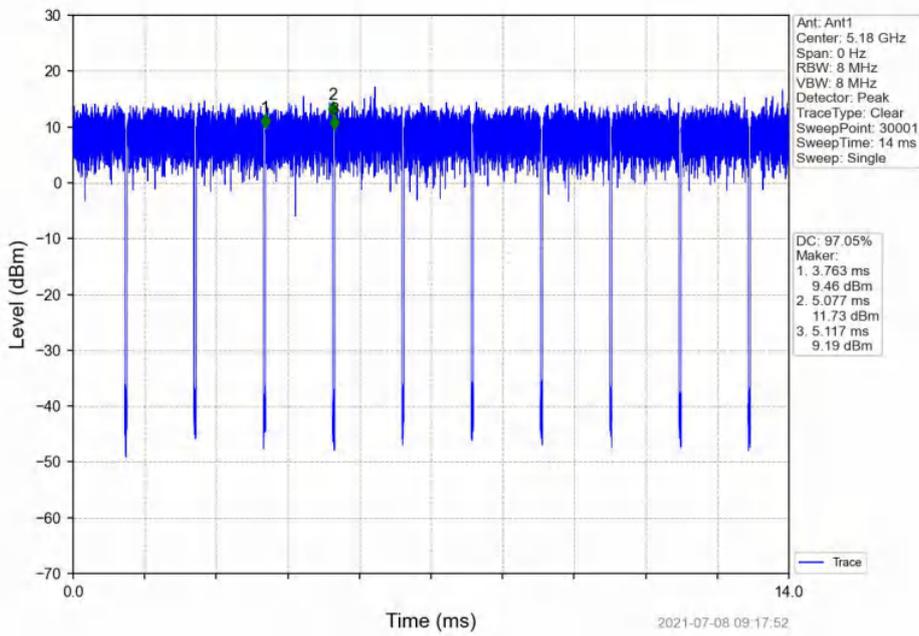
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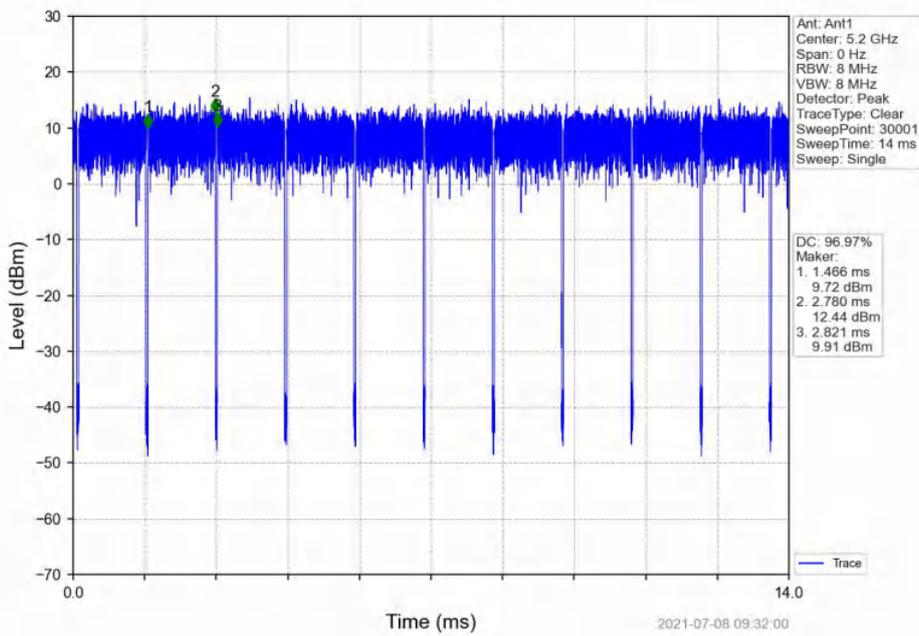
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



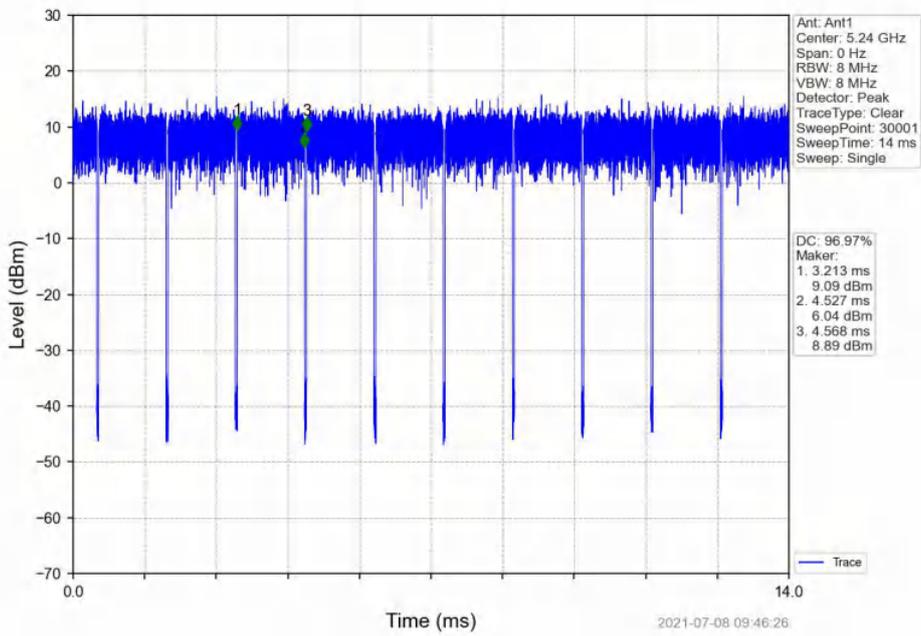
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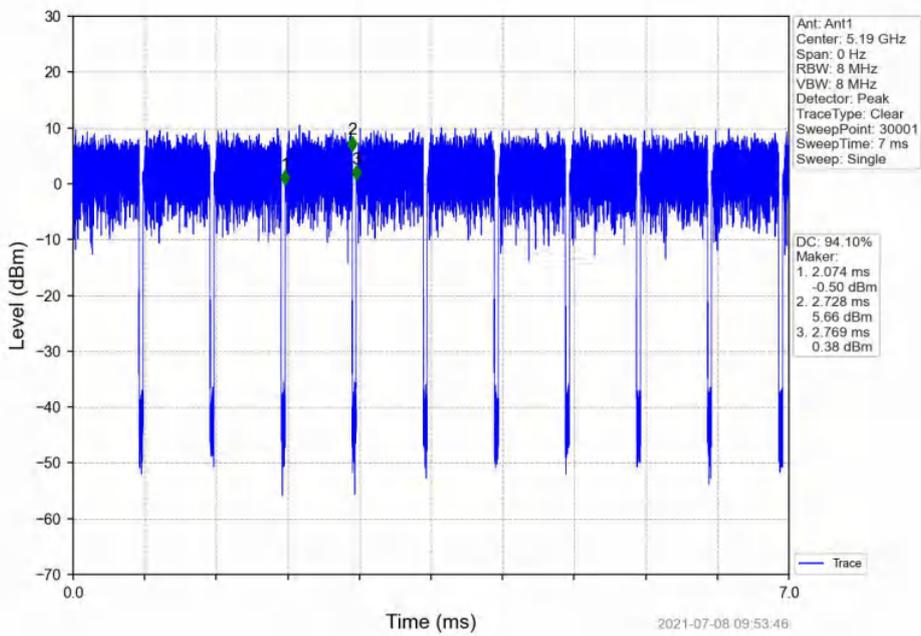
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



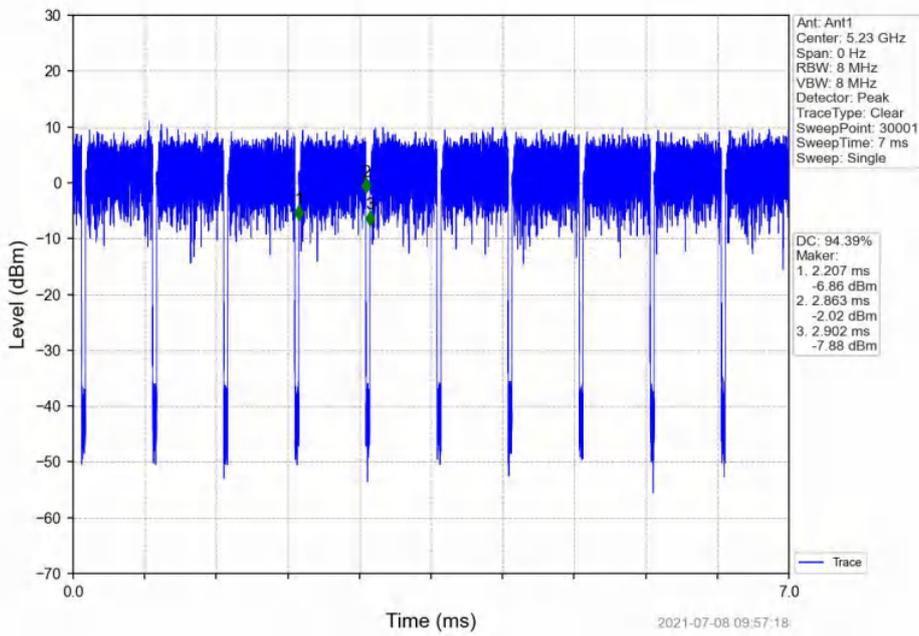
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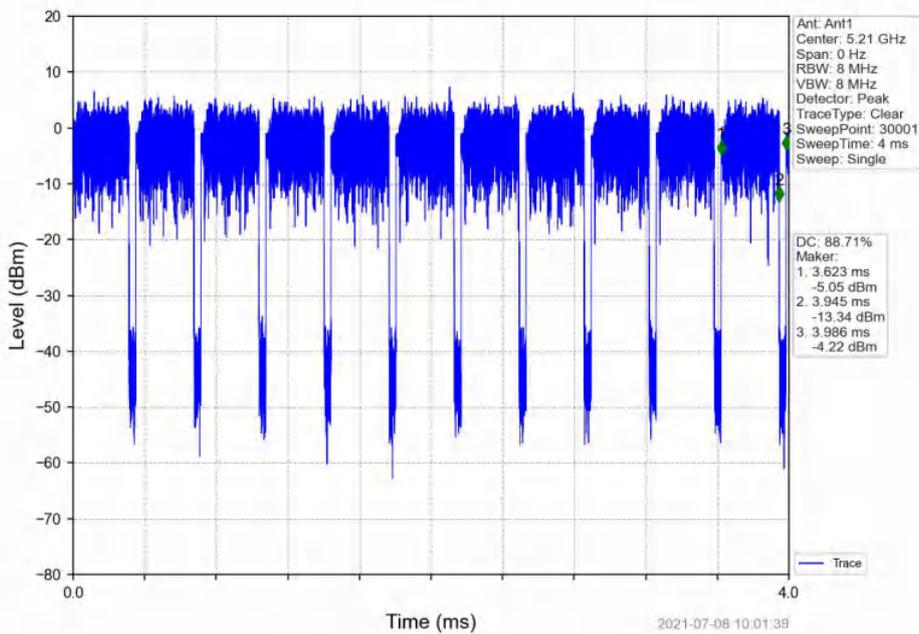
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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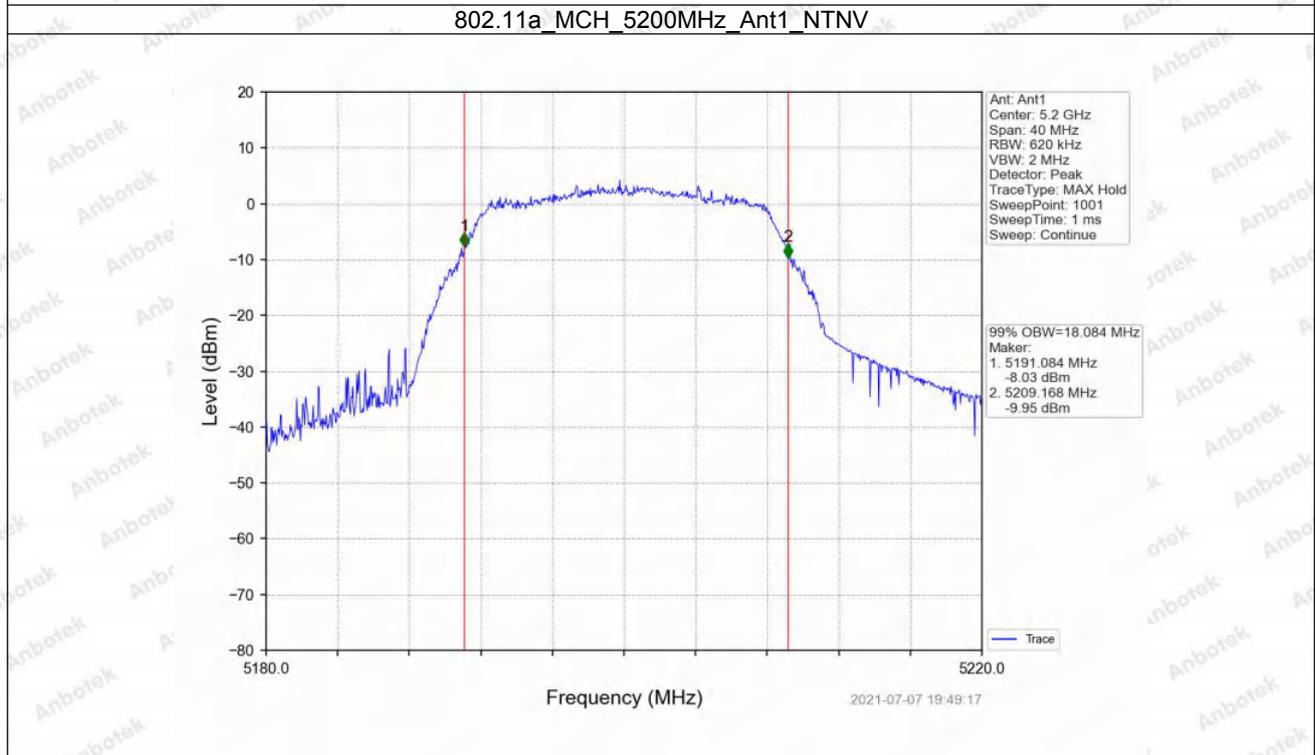
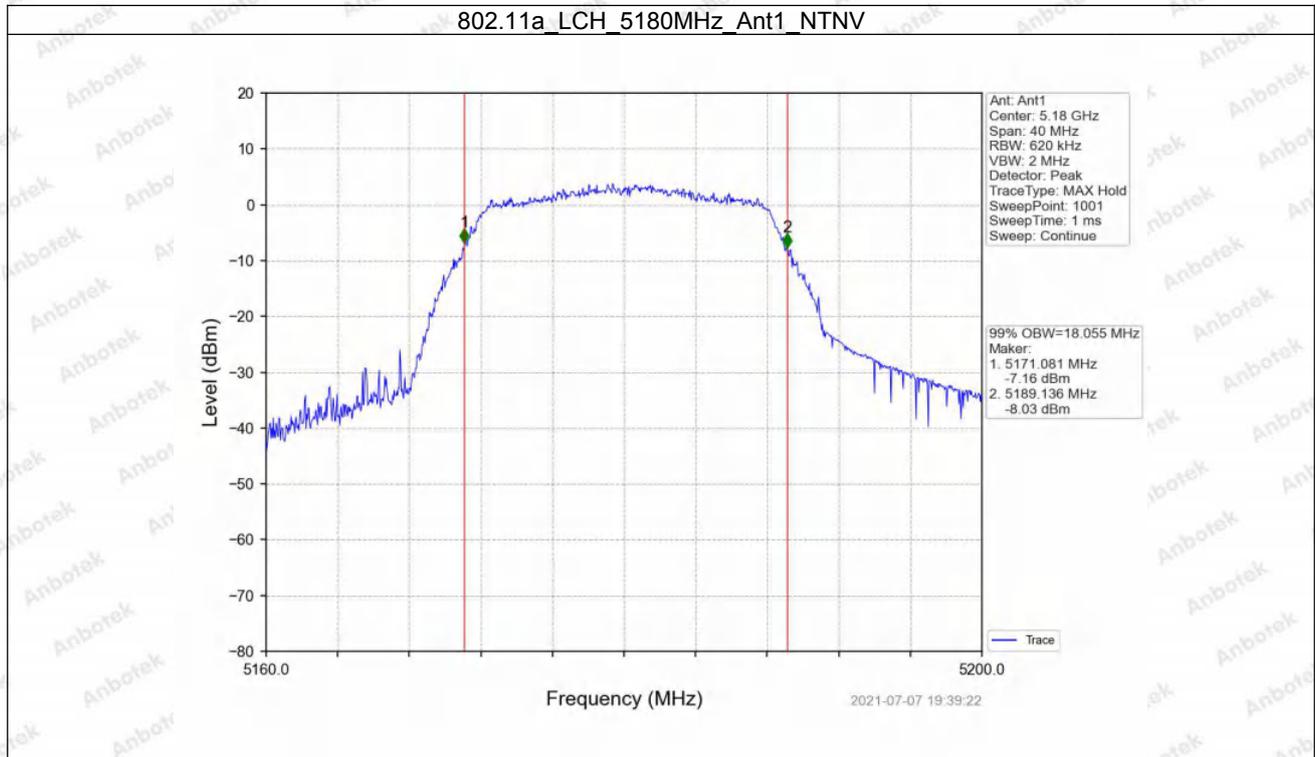
## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
802.11a	SISO	5180	1	18.05	/	Pass
		5200	1	18.08	/	Pass
		5240	1	18.08	/	Pass
802.11n (HT20)	MIMO	5180	1	18.92	/	Pass
		5200	1	18.86	/	Pass
		5240	1	18.82	/	Pass
802.11n (HT40)	MIMO	5190	1	36.87	/	Pass
		5230	1	36.96	/	Pass
802.11ac (VHT20)	MIMO	5180	1	18.86	/	Pass
		5200	1	18.85	/	Pass
		5240	1	18.96	/	Pass
802.11ac (VHT40)	MIMO	5190	1	36.87	/	Pass
		5230	1	36.89	/	Pass
802.11ac (VHT80)	MIMO	5210	1	76.65	/	Pass

2.1.2 Test Graph

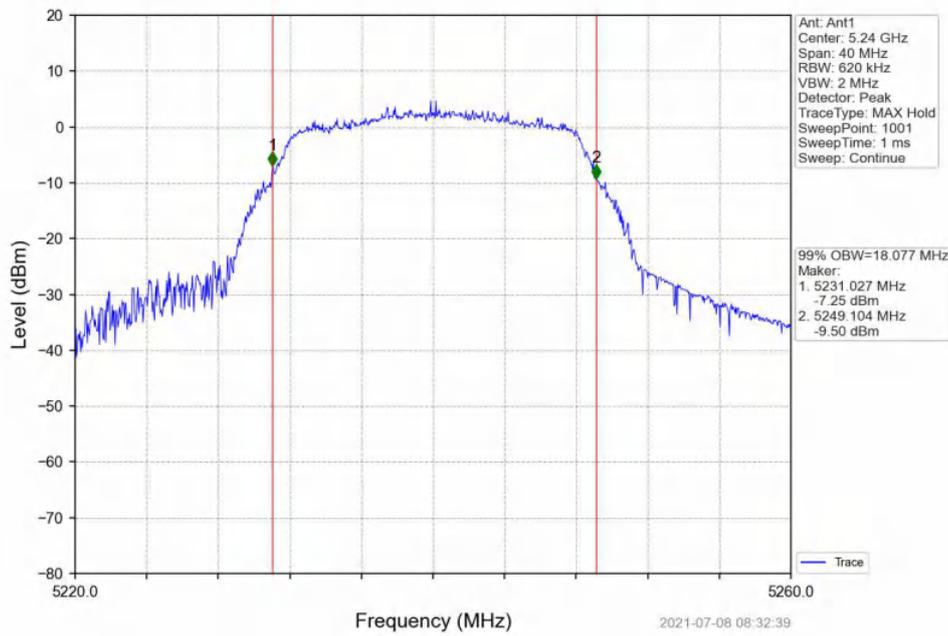


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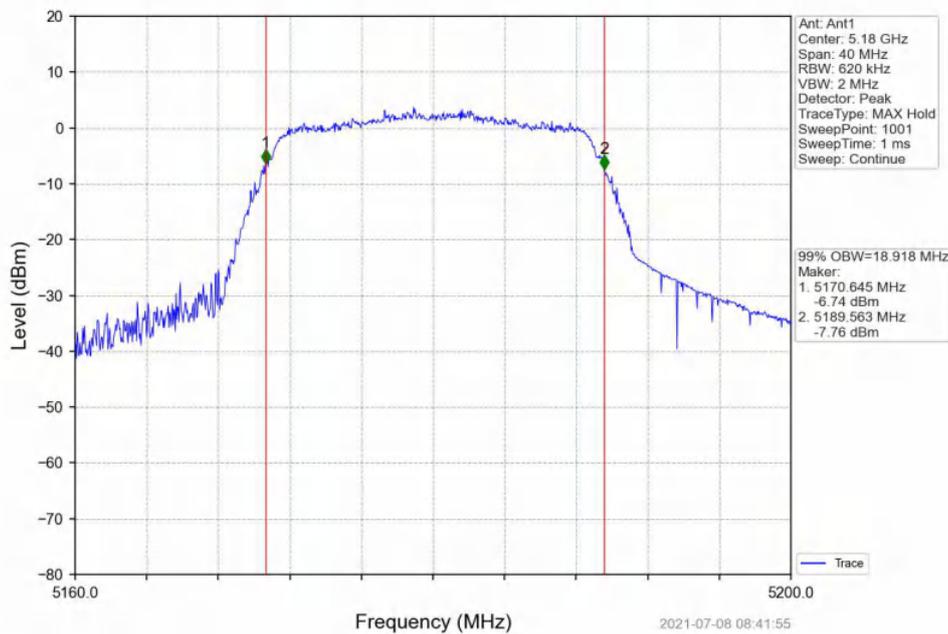
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



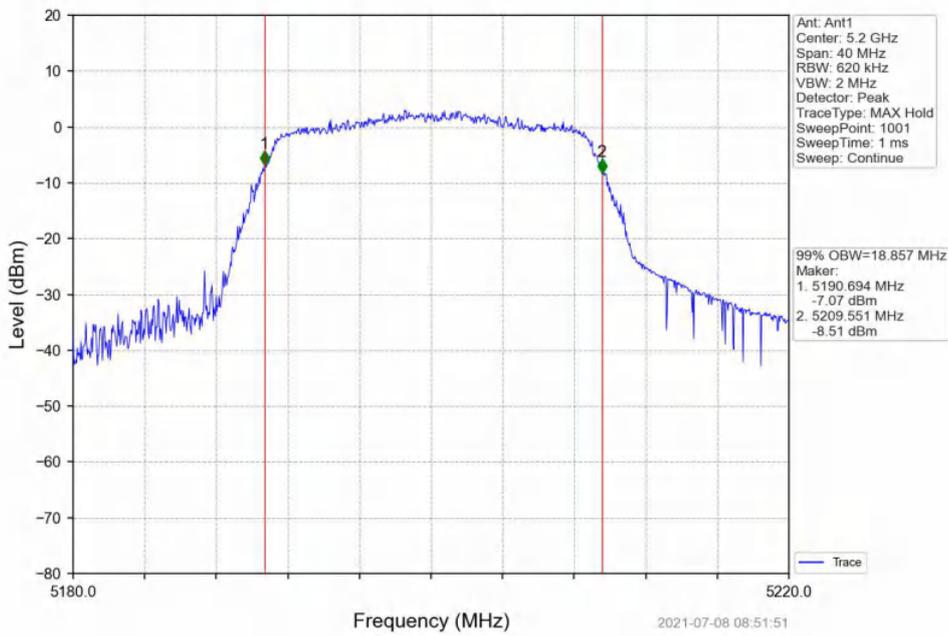
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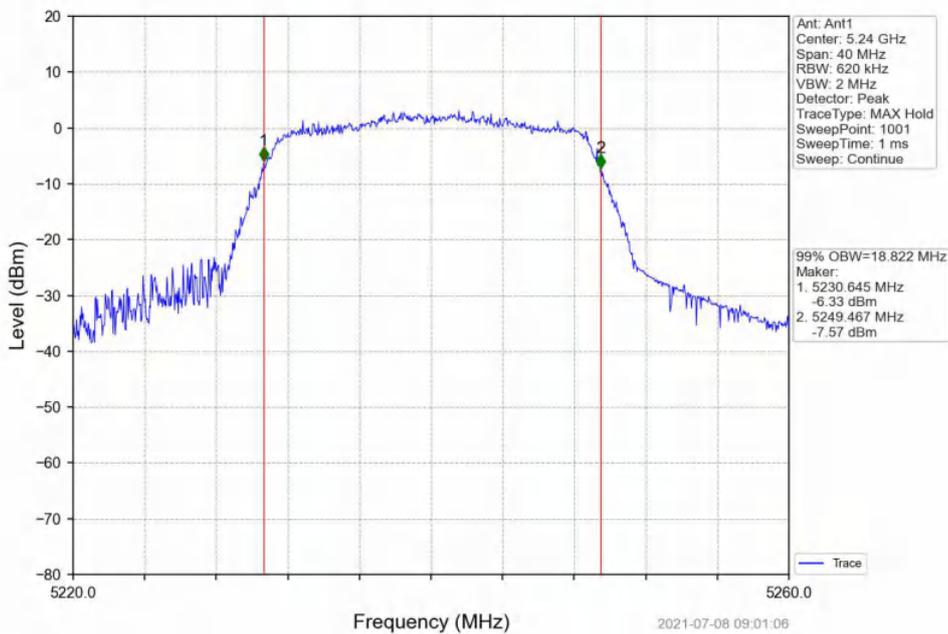
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



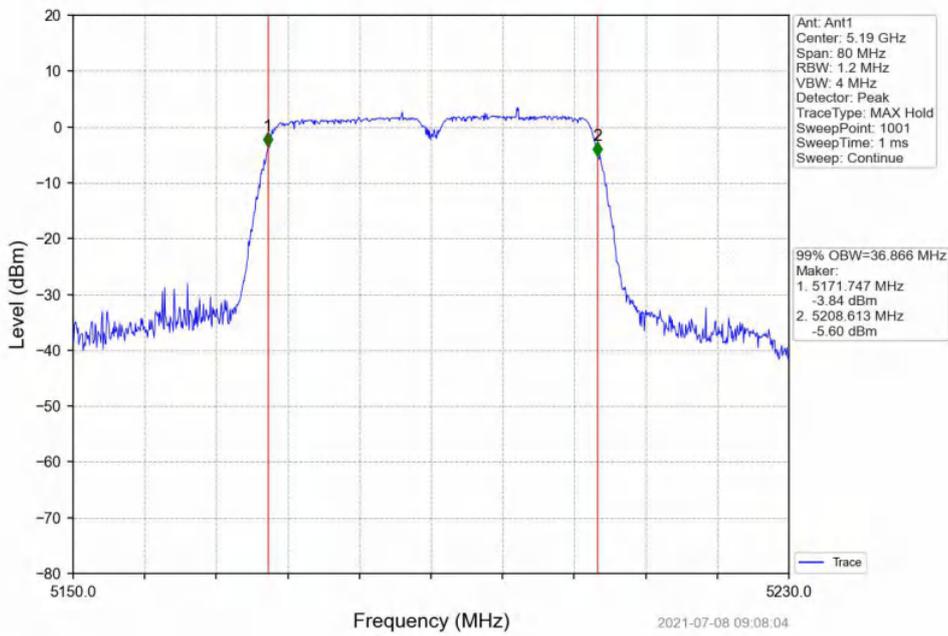
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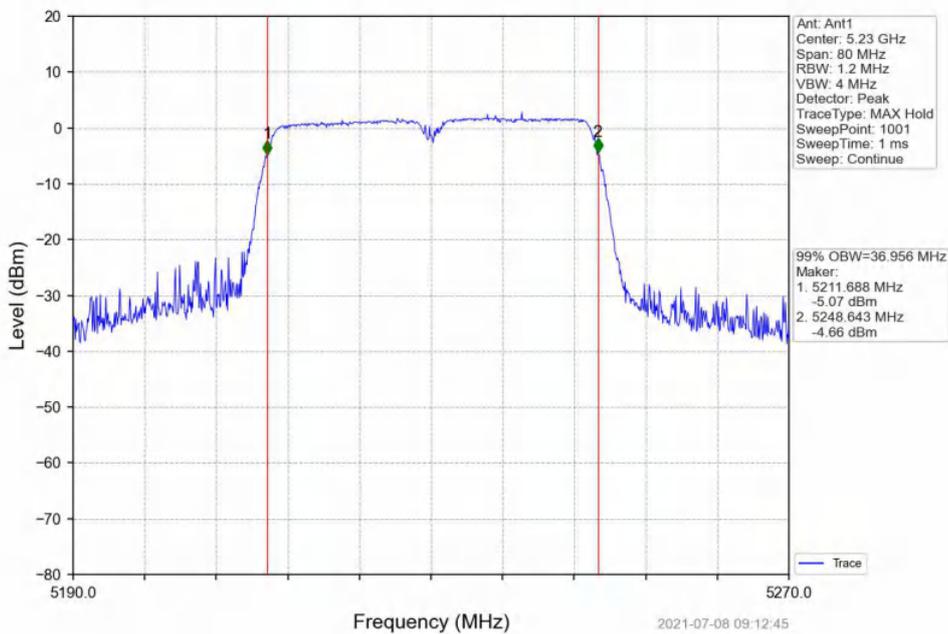
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



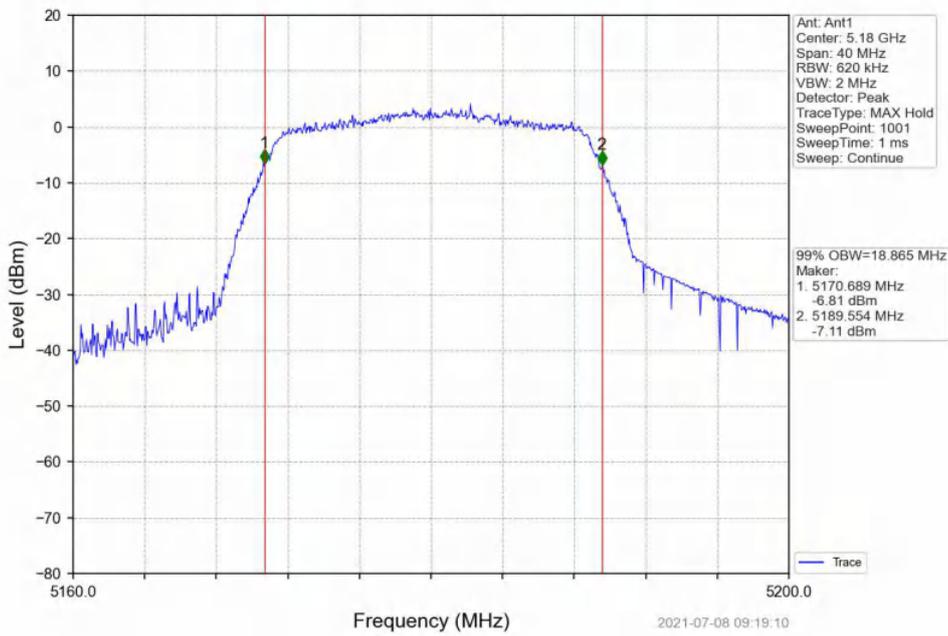
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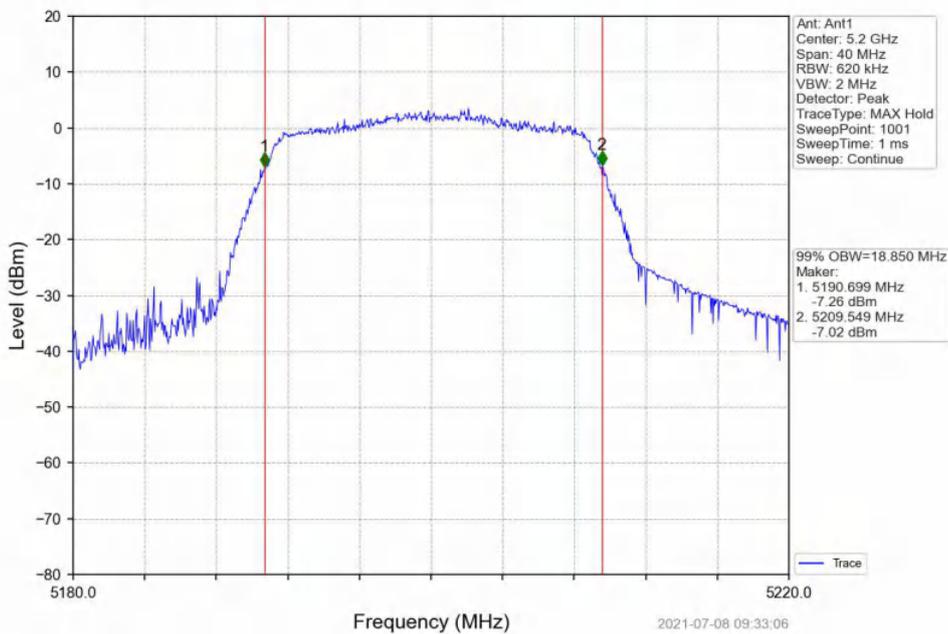
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



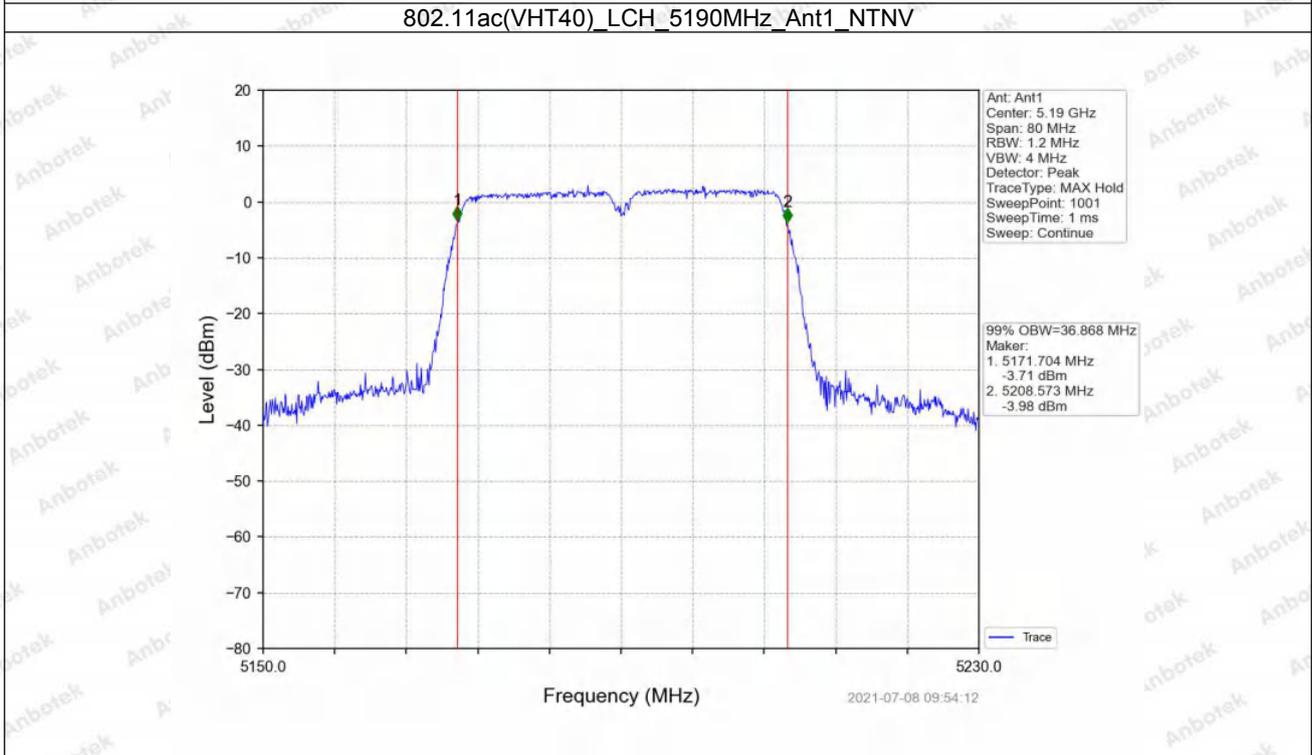
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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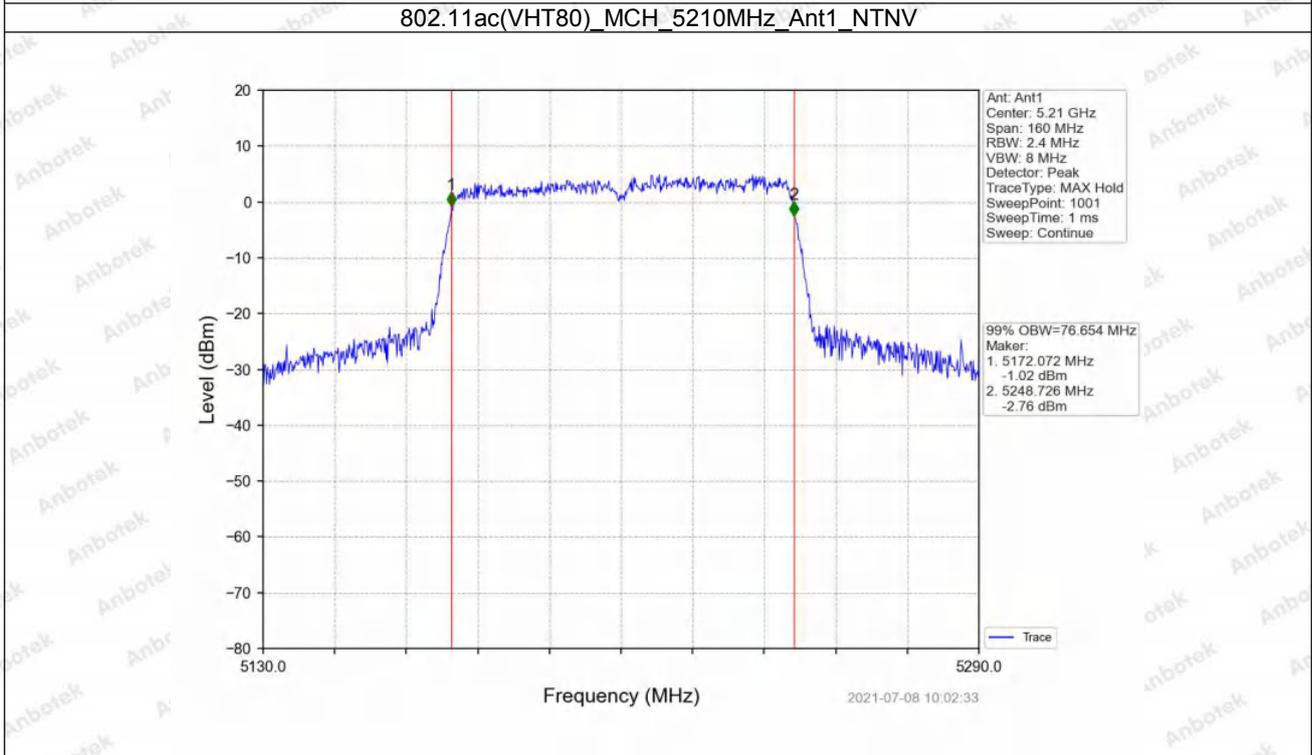
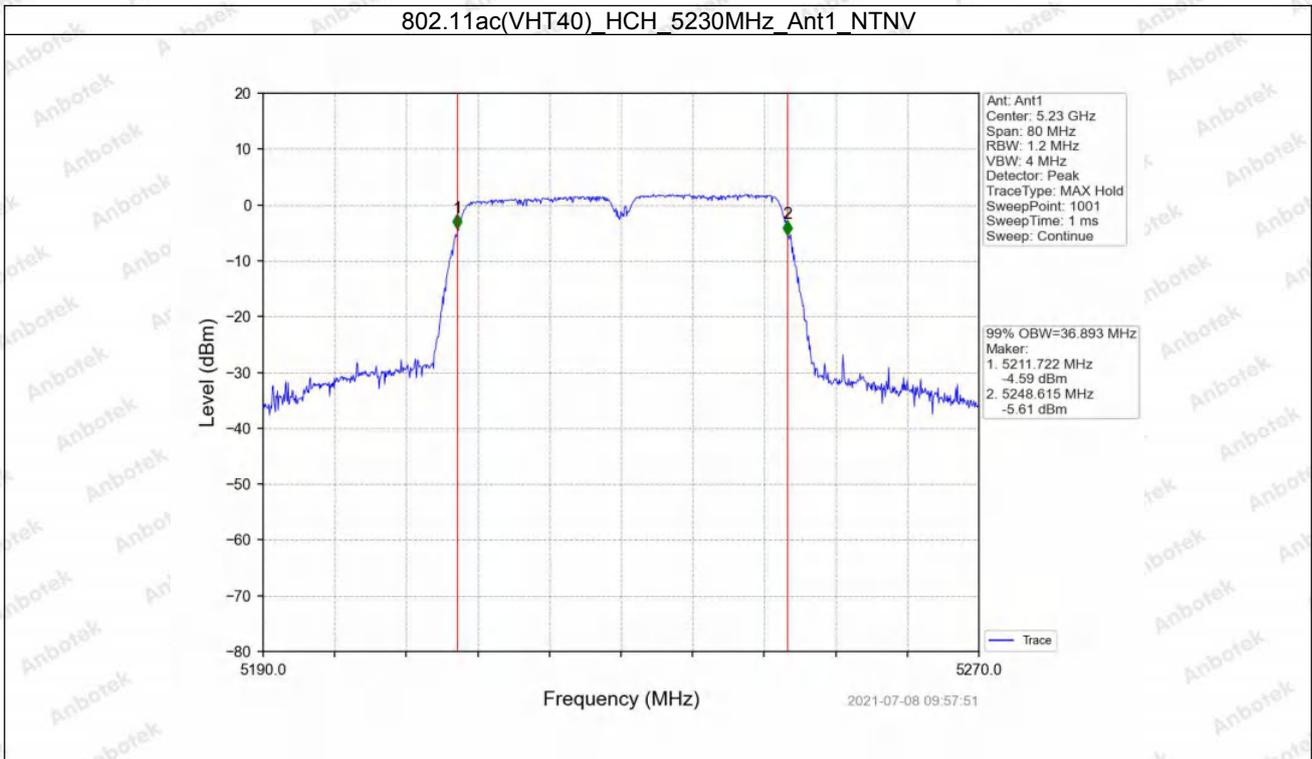
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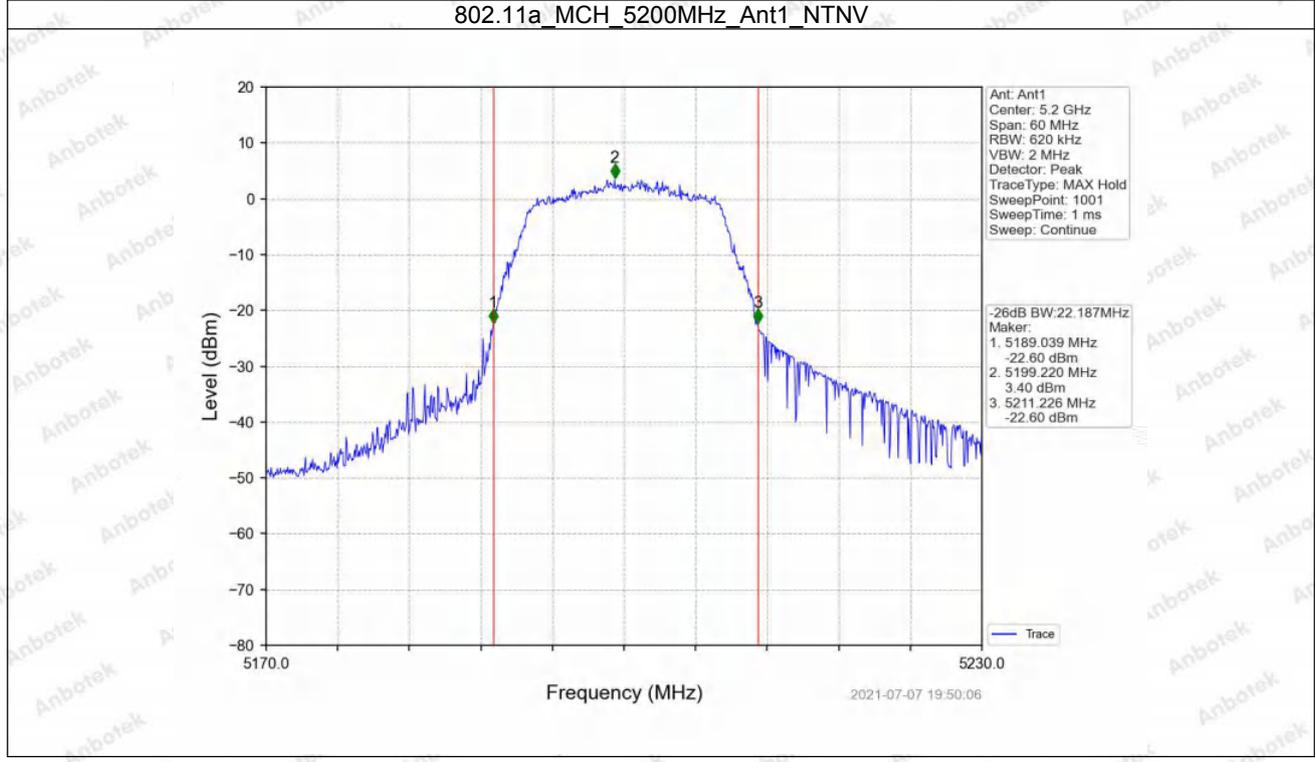
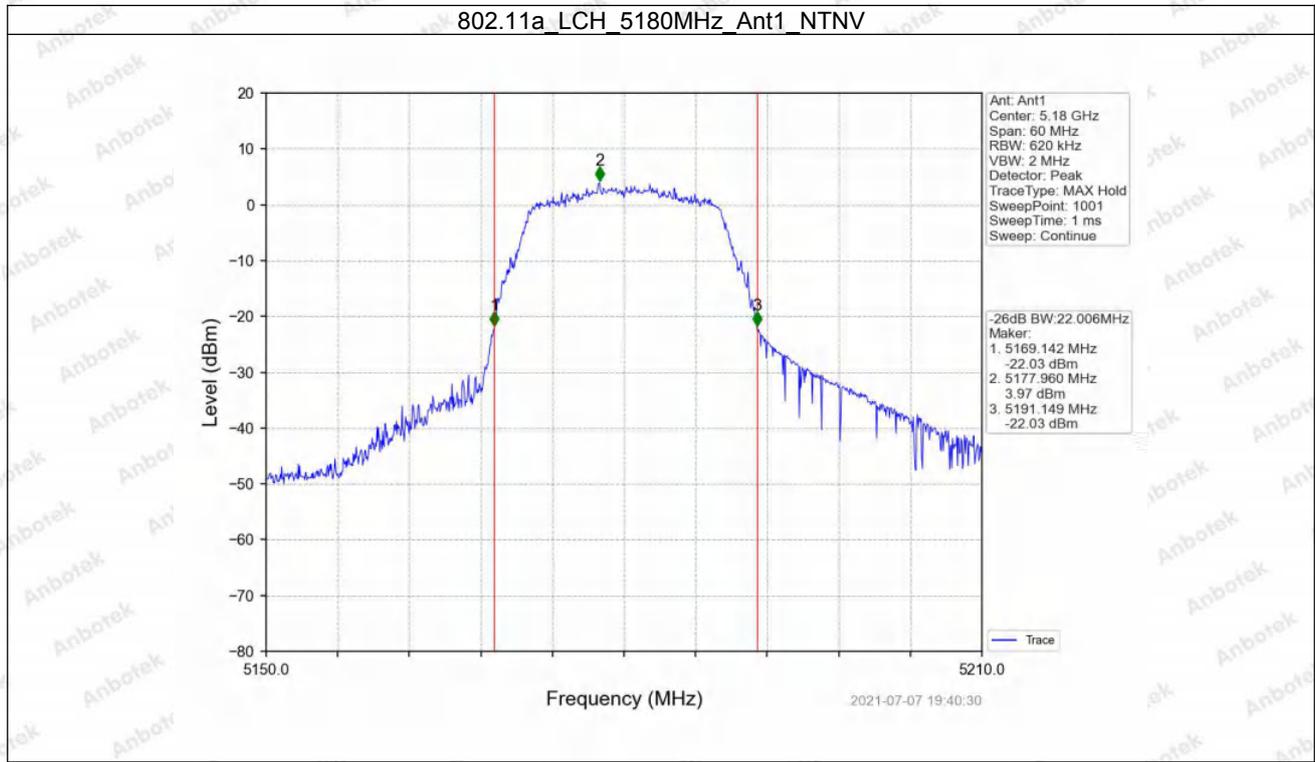
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## 2.2 26dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Limit	Verdict
802.11a	SISO	5180	1	22.01	/	Pass
		5200	1	22.19	/	Pass
		5240	1	21.79	/	Pass
802.11n (HT20)	MIMO	5180	1	22.24	/	Pass
		5200	1	22.30	/	Pass
		5240	1	22.14	/	Pass
802.11n (HT40)	MIMO	5190	1	41.49	/	Pass
		5230	1	44.93	/	Pass
802.11ac (VHT20)	MIMO	5180	1	22.36	/	Pass
		5200	1	22.54	/	Pass
		5240	1	24.75	/	Pass
802.11ac (VHT40)	MIMO	5190	1	41.65	/	Pass
		5230	1	41.08	/	Pass
802.11ac (VHT80)	MIMO	5210	1	85.09	/	Pass

### 2.2.2 Test Graph

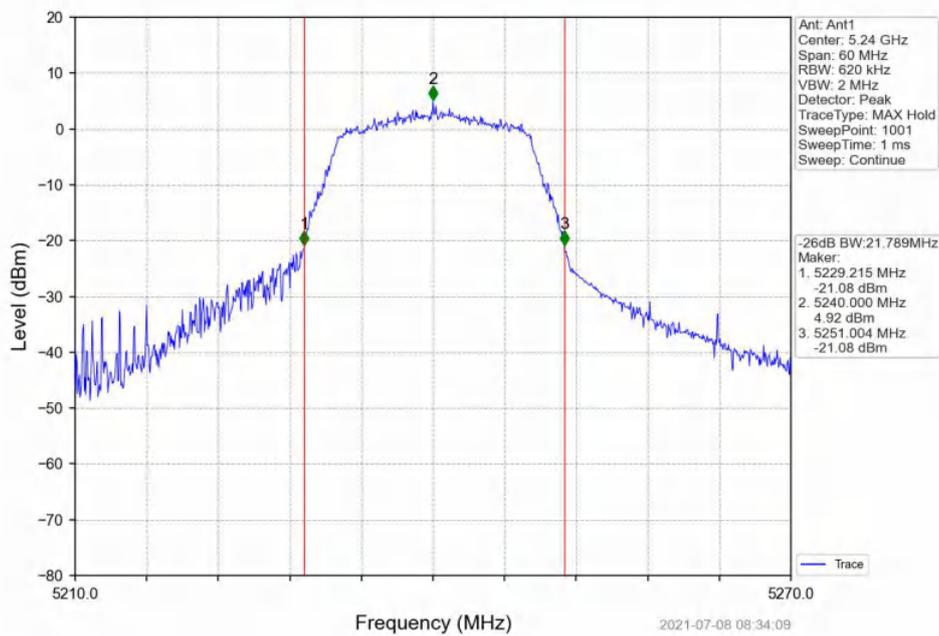


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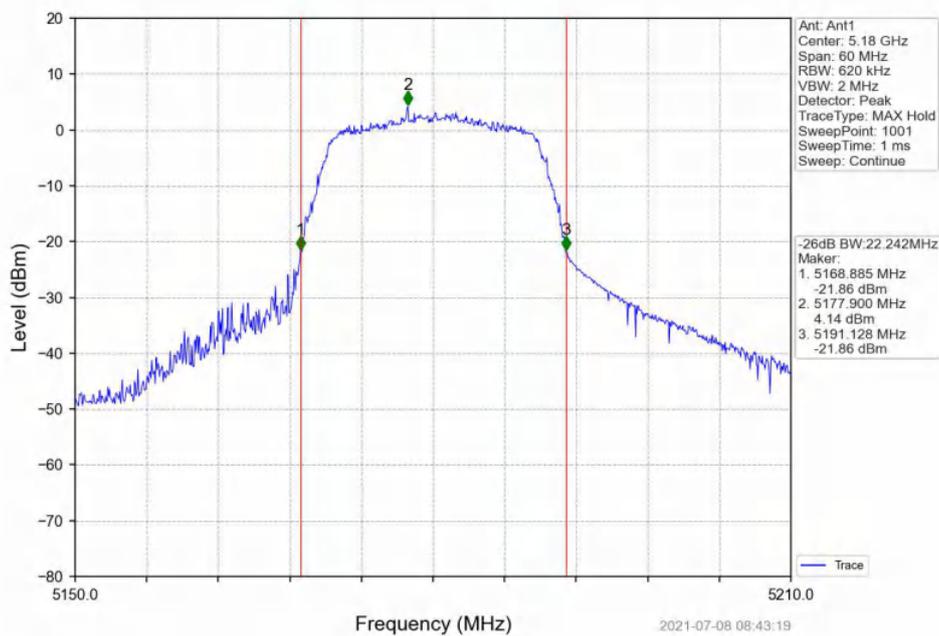
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



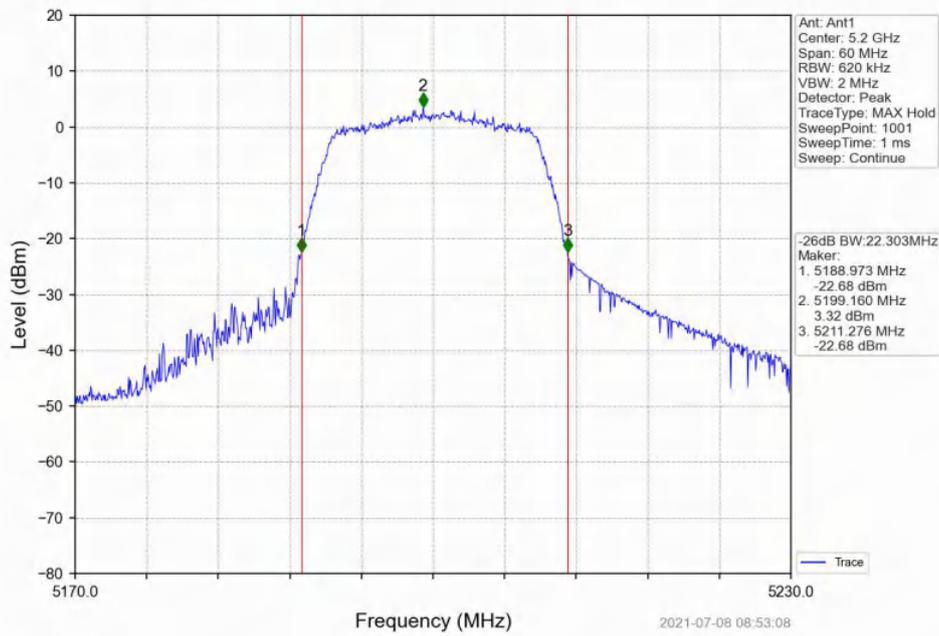
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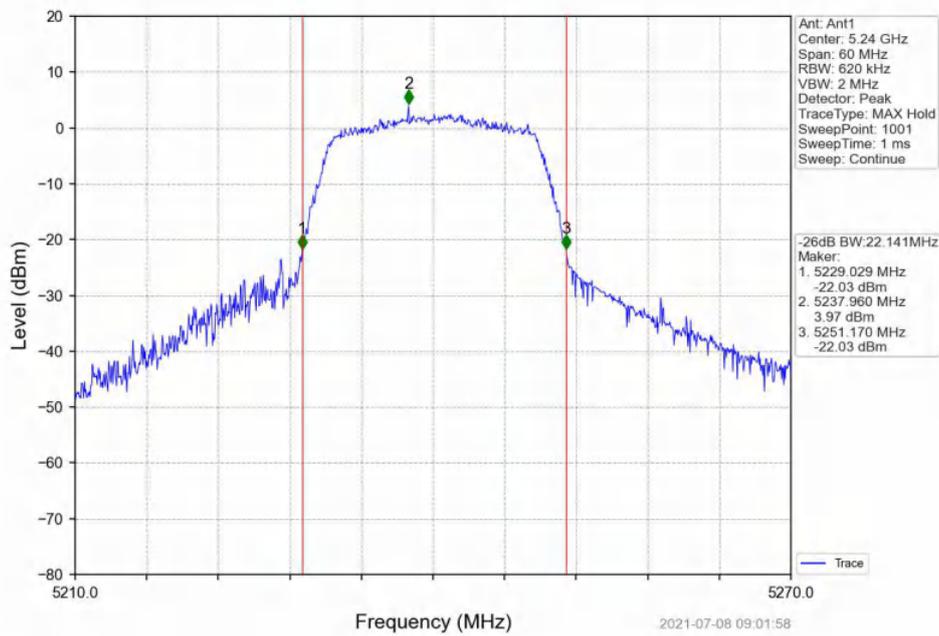
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



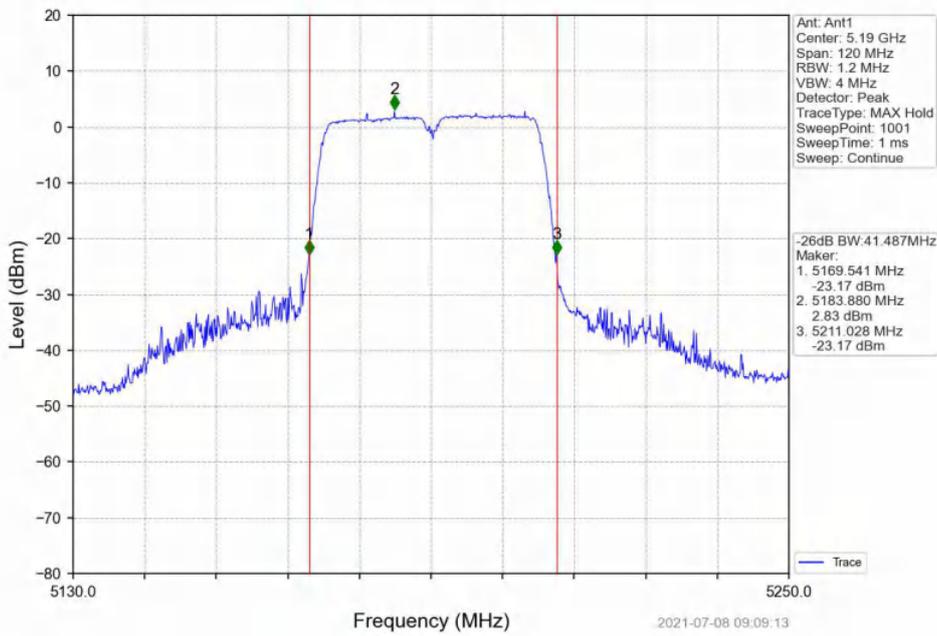
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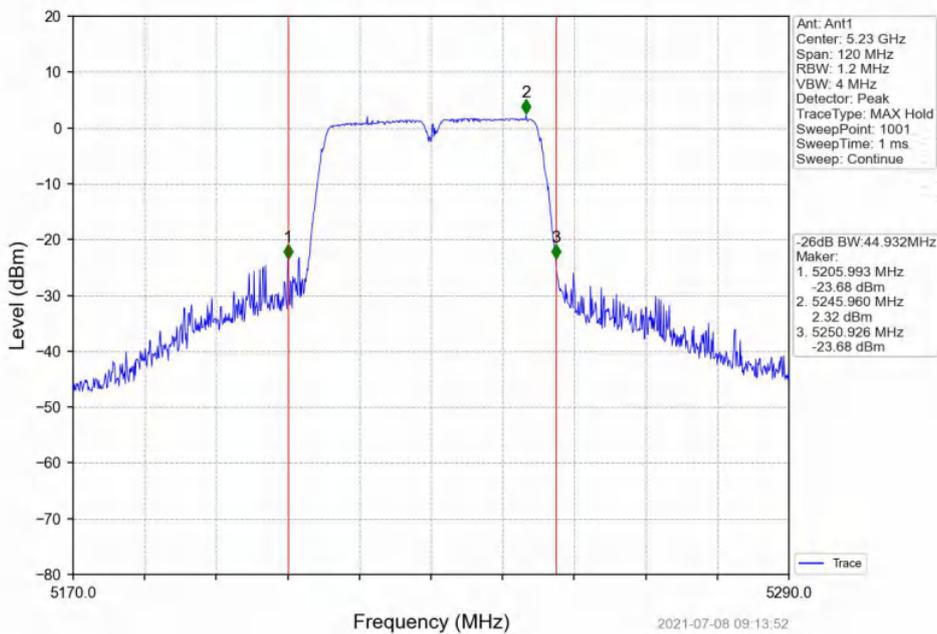
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



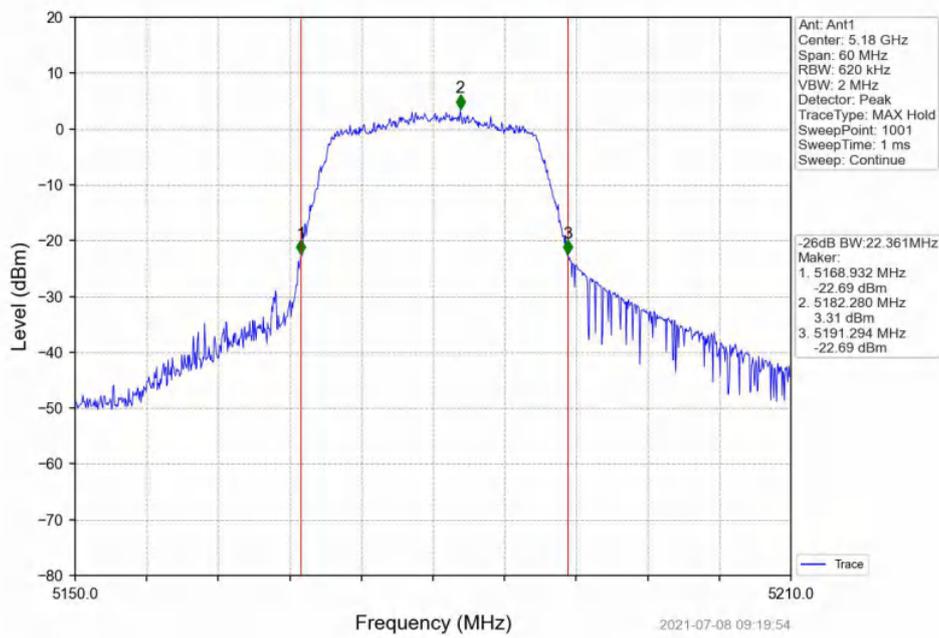
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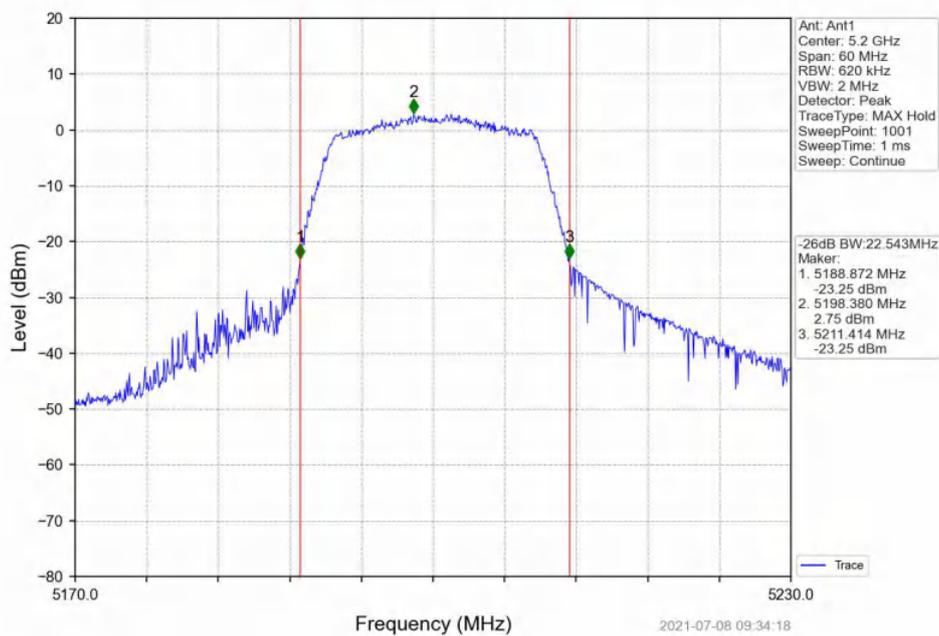
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV

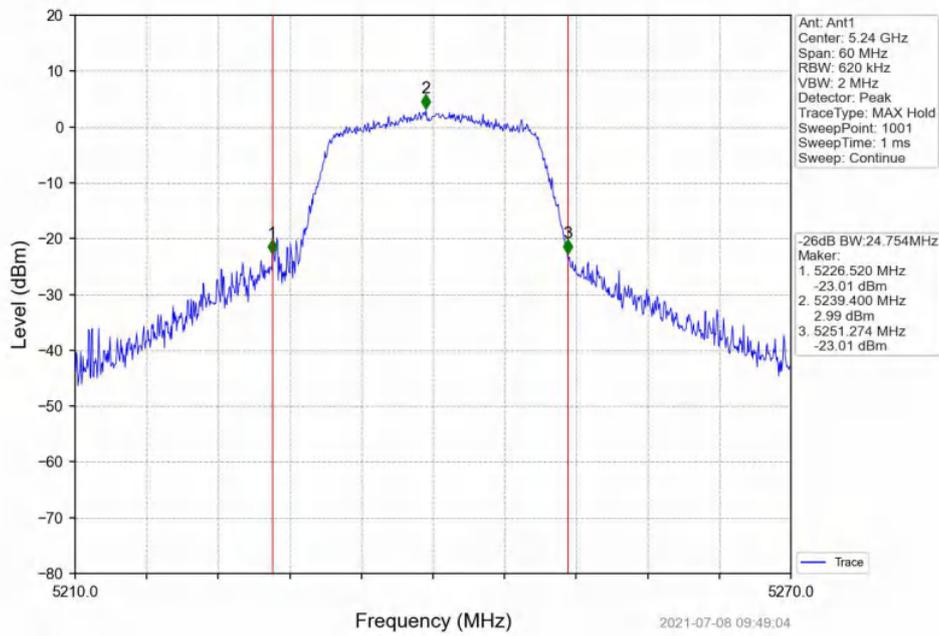


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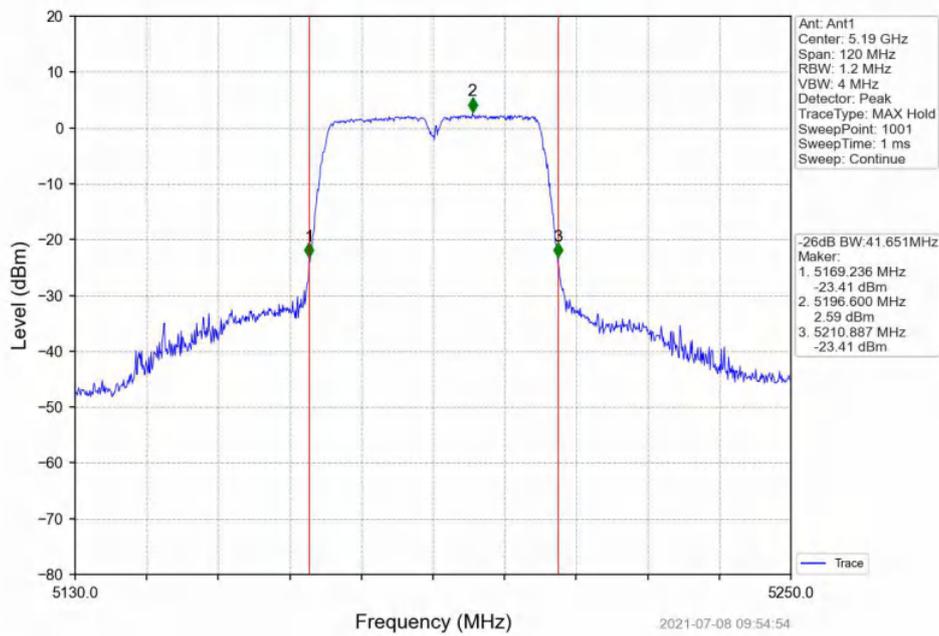
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



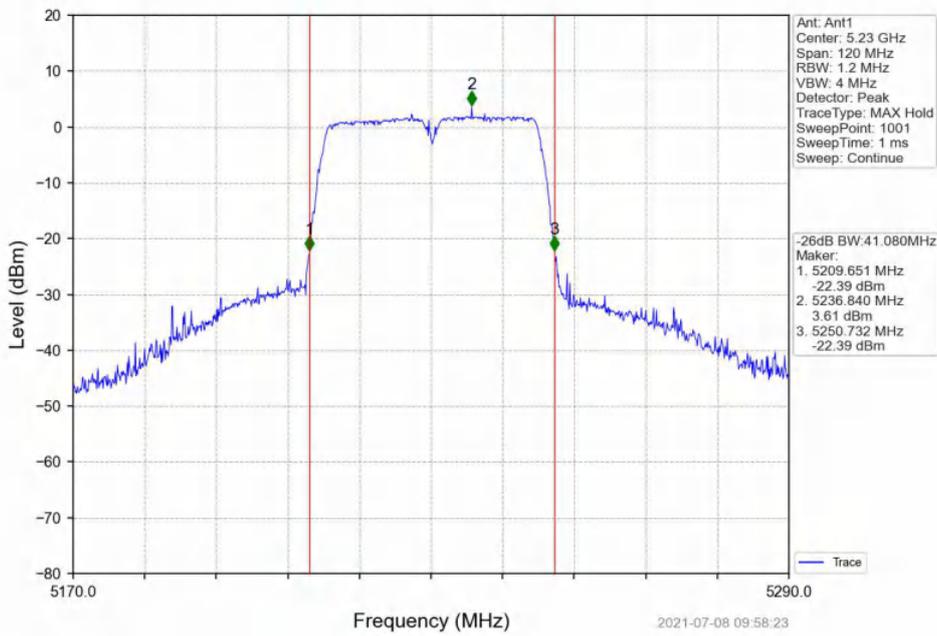
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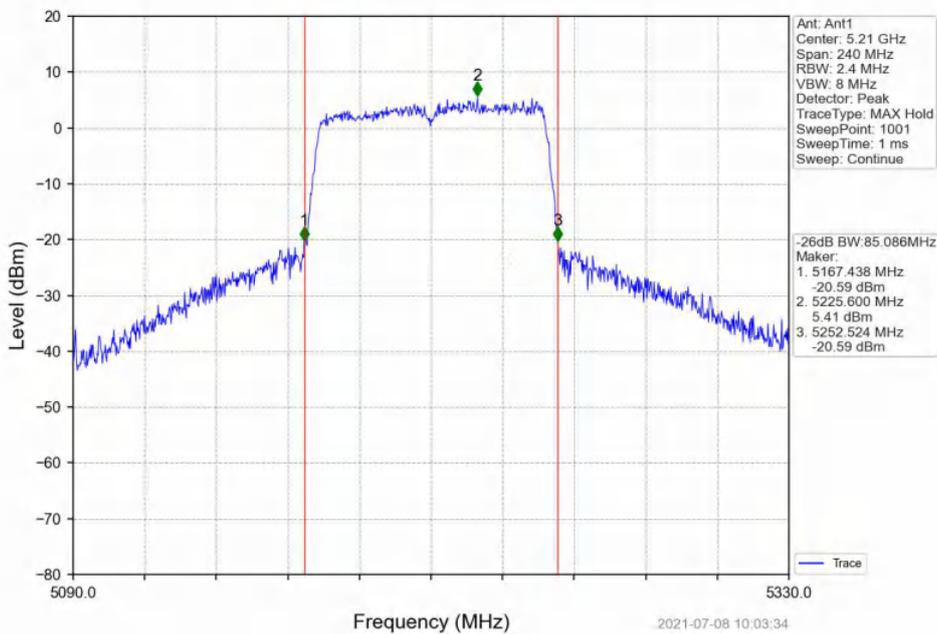
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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## 3. Maximum Conducted Output Power

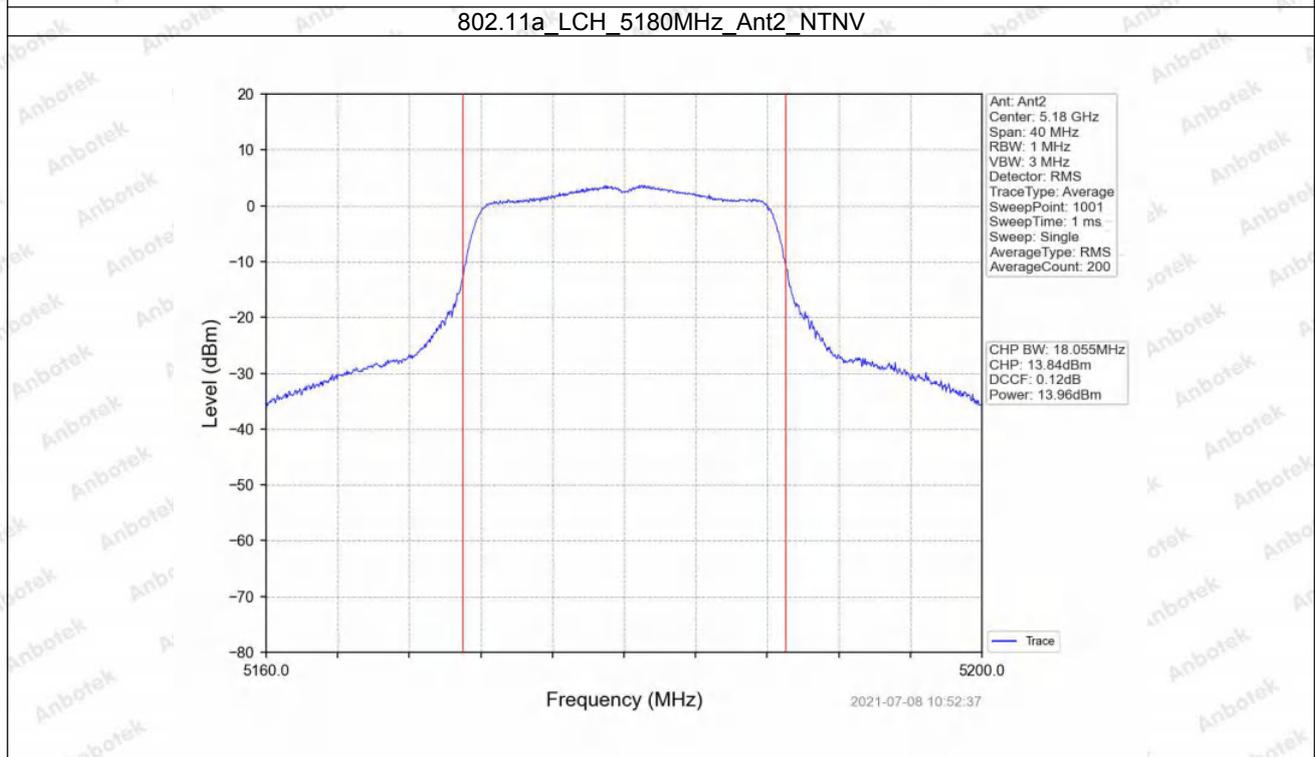
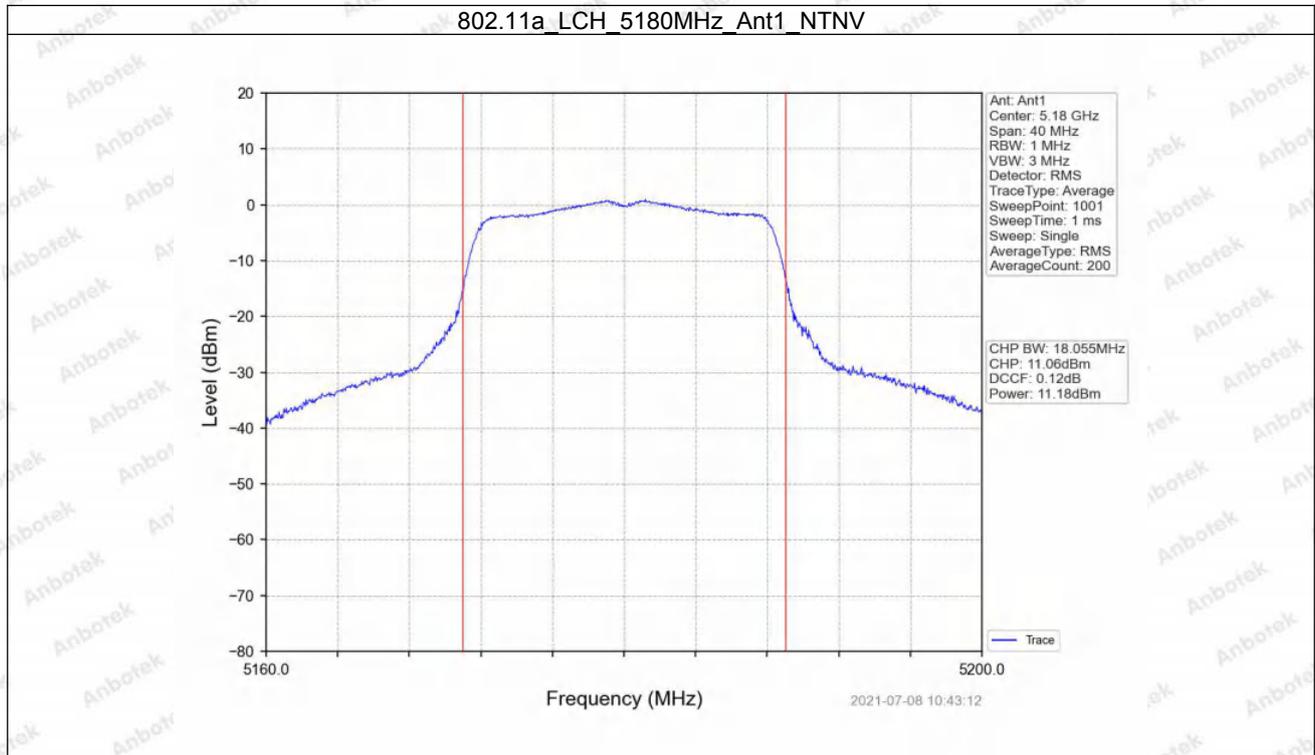
### 3.1 Power

#### 3.1.1 Test Result

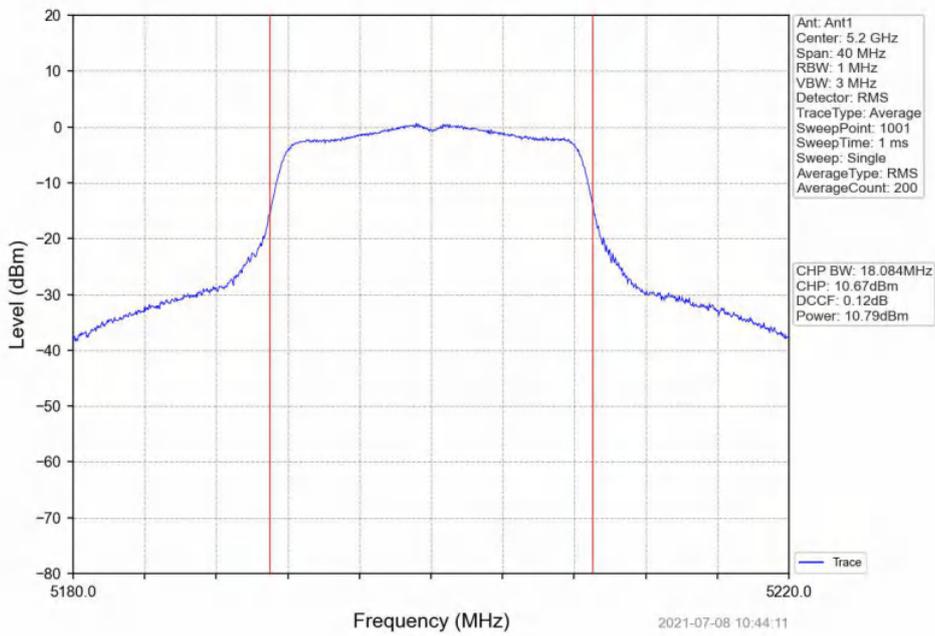
Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
802.11a	SISO	5180	11.18	13.96	/	<=22.56	Pass
		5200	10.79	13.66	/	<=22.57	Pass
		5240	10.61	13.59	/	<=22.57	Pass
802.11n (HT20)	MIMO	5180	10.96	10.56	13.77	<=22.77	Pass
		5200	10.61	10.22	13.43	<=22.76	Pass
		5240	10.58	10.21	13.41	<=22.75	Pass
802.11n (HT40)	MIMO	5190	10.36	10.13	13.26	<=23.01	Pass
		5230	10.04	9.77	12.92	<=23.01	Pass
802.11ac (VHT20)	MIMO	5180	10.93	10.53	13.74	<=22.76	Pass
		5200	10.80	10.23	13.53	<=22.75	Pass
		5240	10.52	10.23	13.39	<=22.78	Pass
802.11ac (VHT40)	MIMO	5190	10.54	10.24	13.40	<=23.01	Pass
		5230	10.03	9.81	12.93	<=23.01	Pass
802.11ac (VHT80)	MIMO	5210	9.34	10.13	12.76	<=23.01	Pass

Note1: Antenna Gain: Ant1: 1.83dBi; Ant2: 1.61dBi;

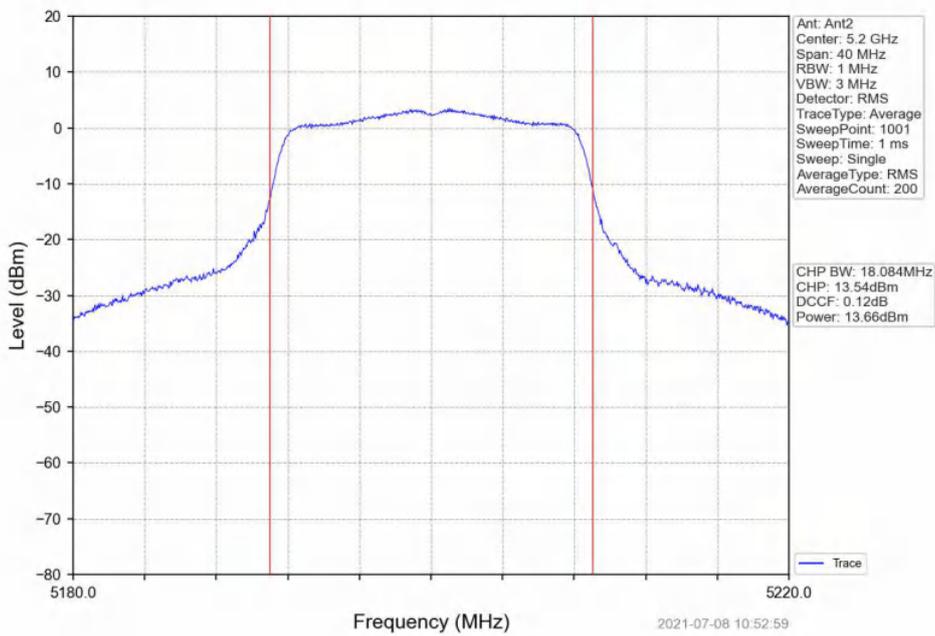
### 3.1.2 Test Graph



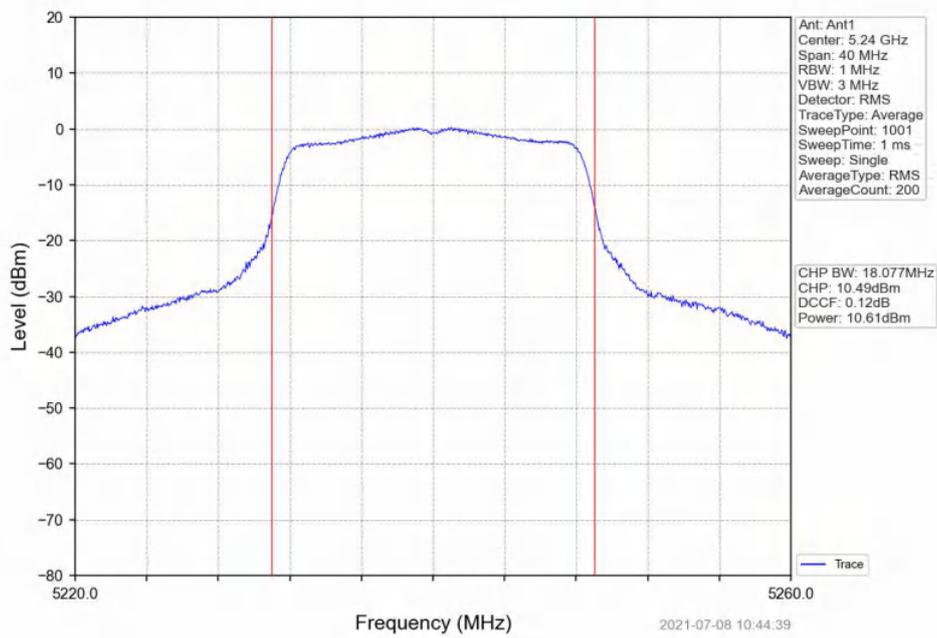
802.11a\_MCH\_5200MHz\_Ant1\_NTNV



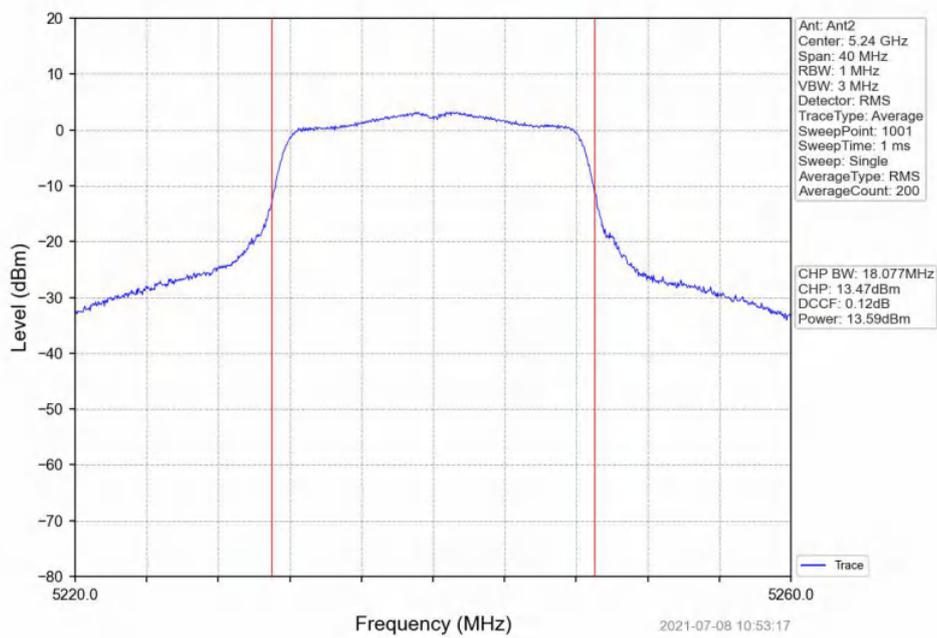
802.11a\_MCH\_5200MHz\_Ant2\_NTNV



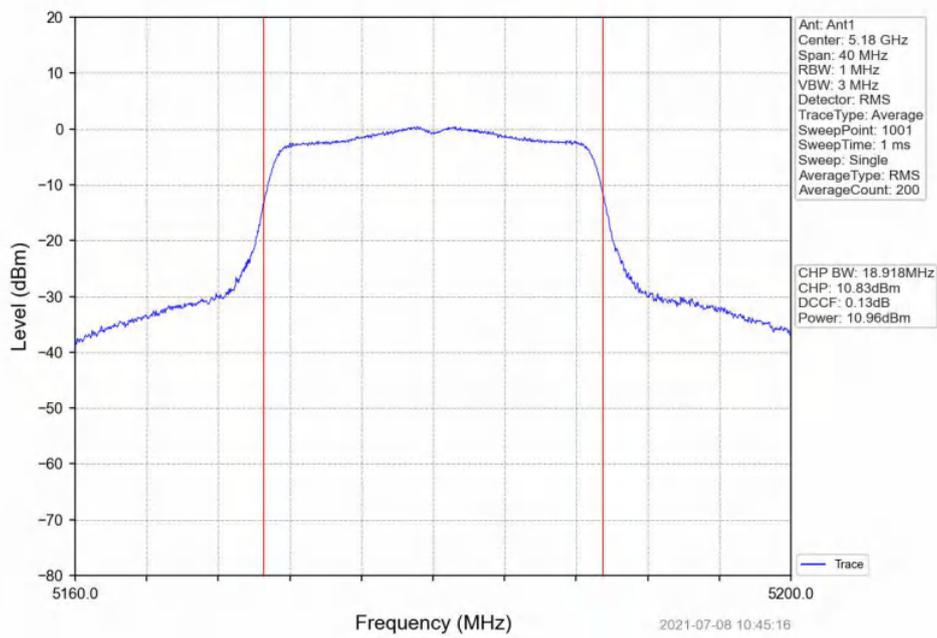
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



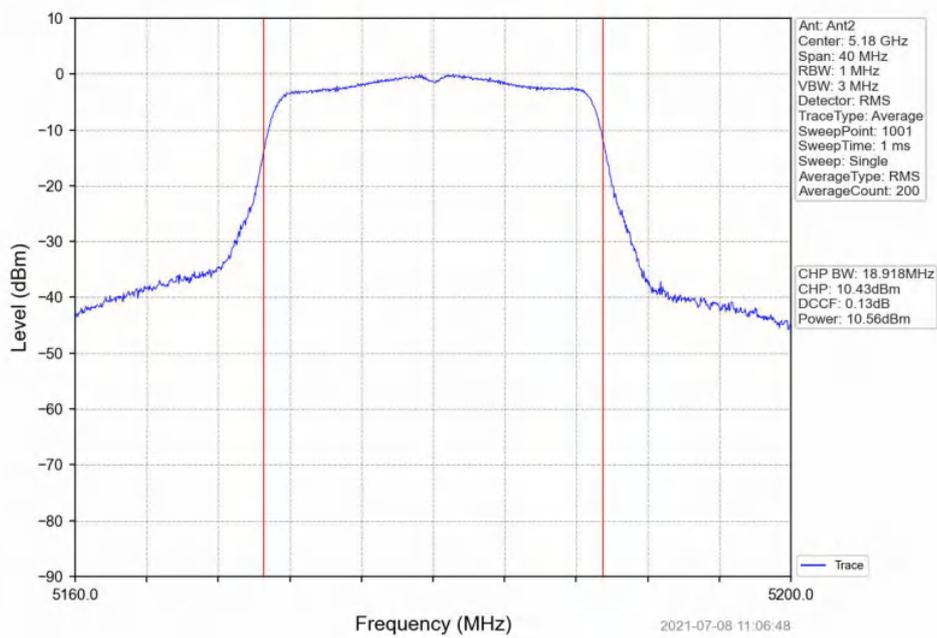
802.11a\_HCH\_5240MHz\_Ant2\_NTNV



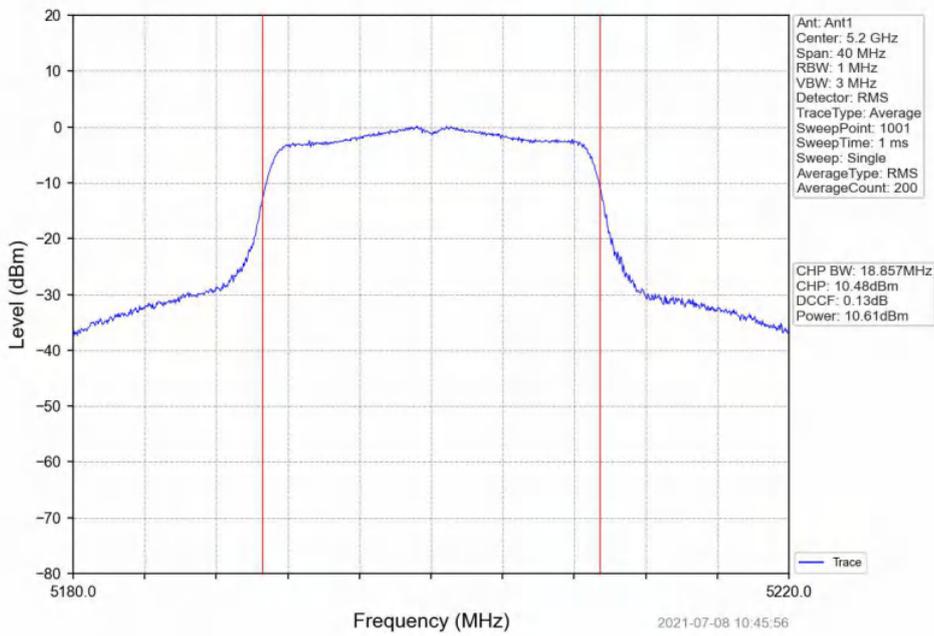
802.11n(HT20) LCH\_5180MHz\_Ant1\_NTNV



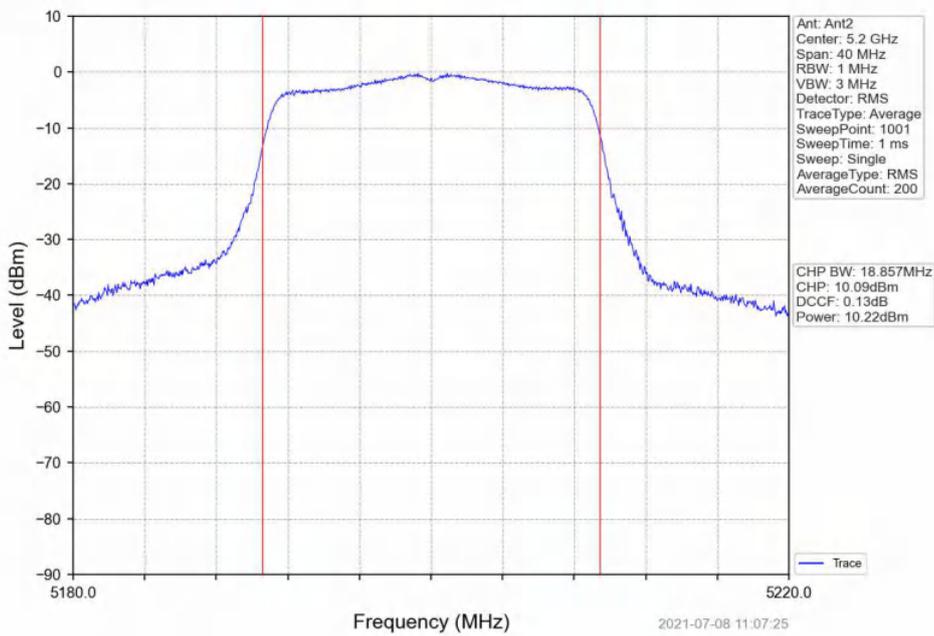
802.11n(HT20) LCH\_5180MHz\_Ant2\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



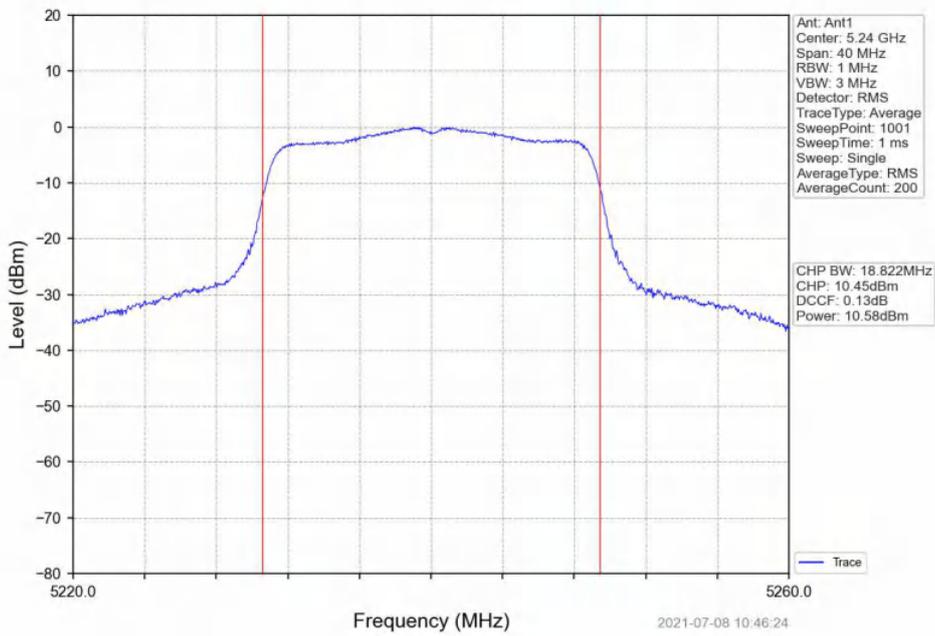
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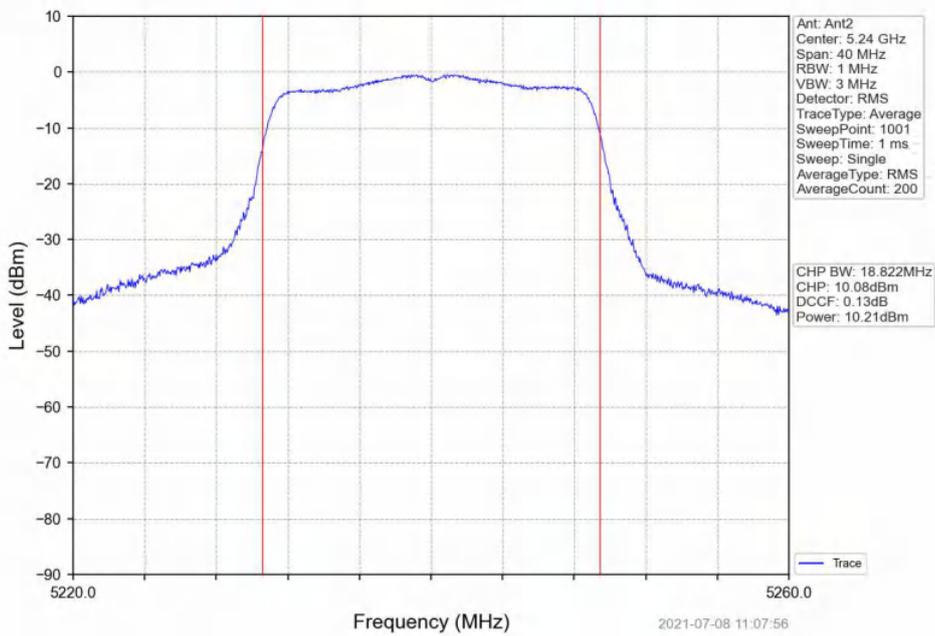
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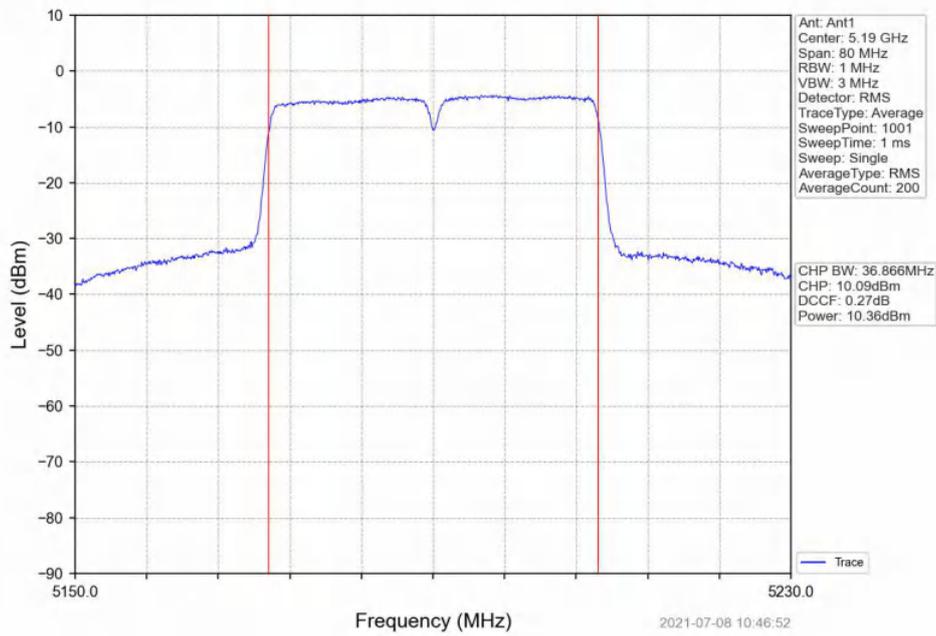
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



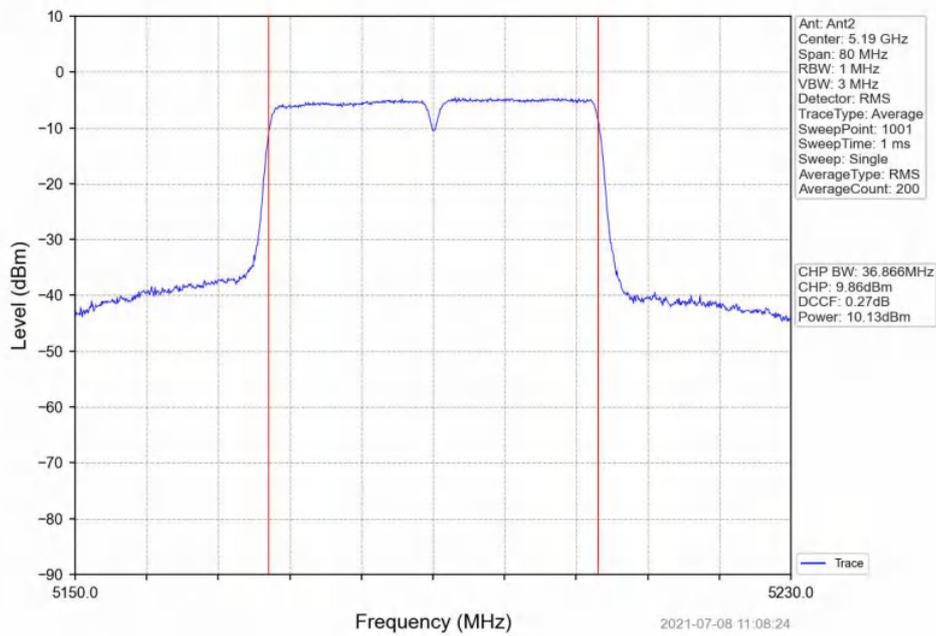
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



802.11n(HT40) LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40) LCH\_5190MHz\_Ant2\_NTNV

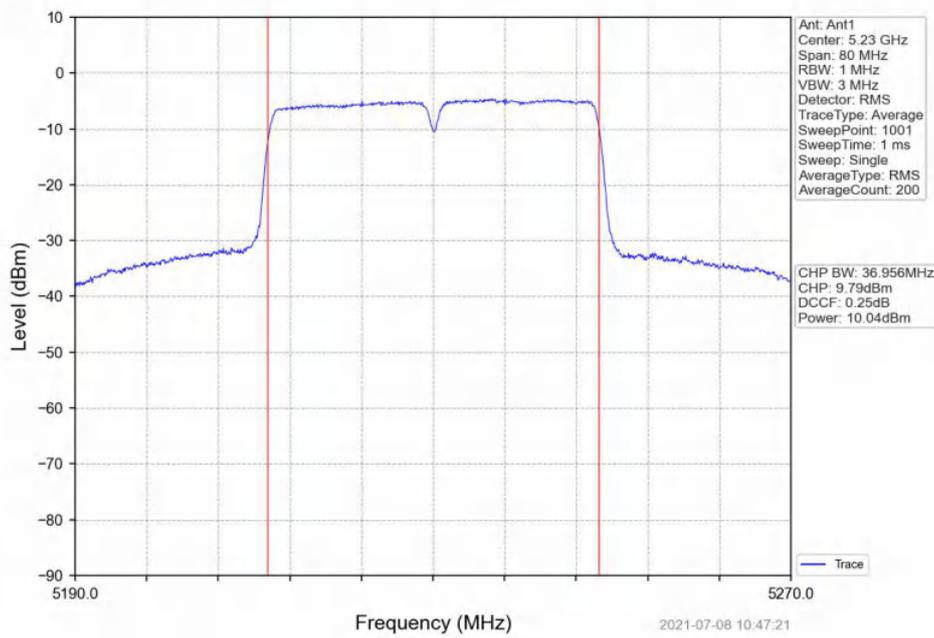


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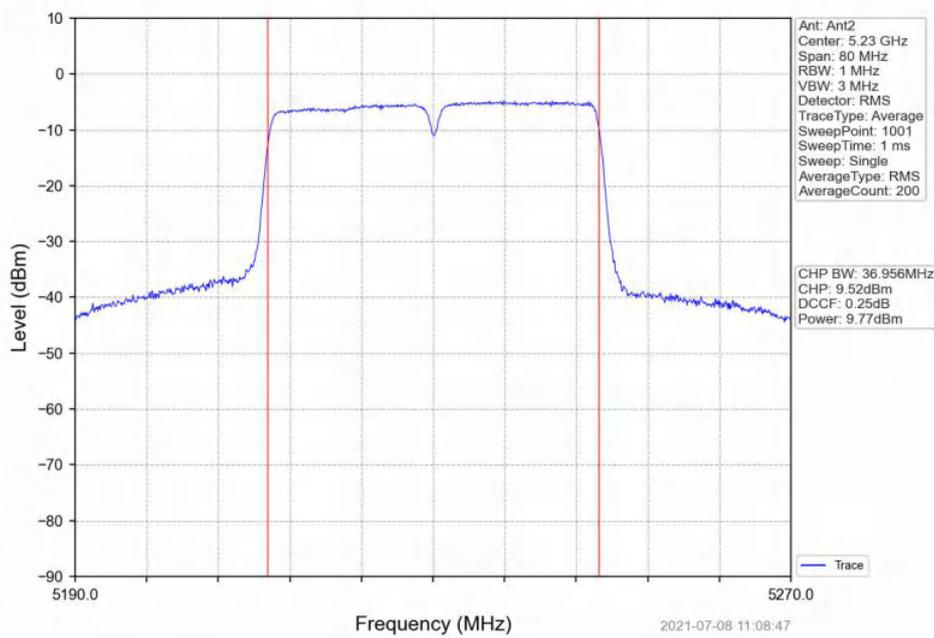
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

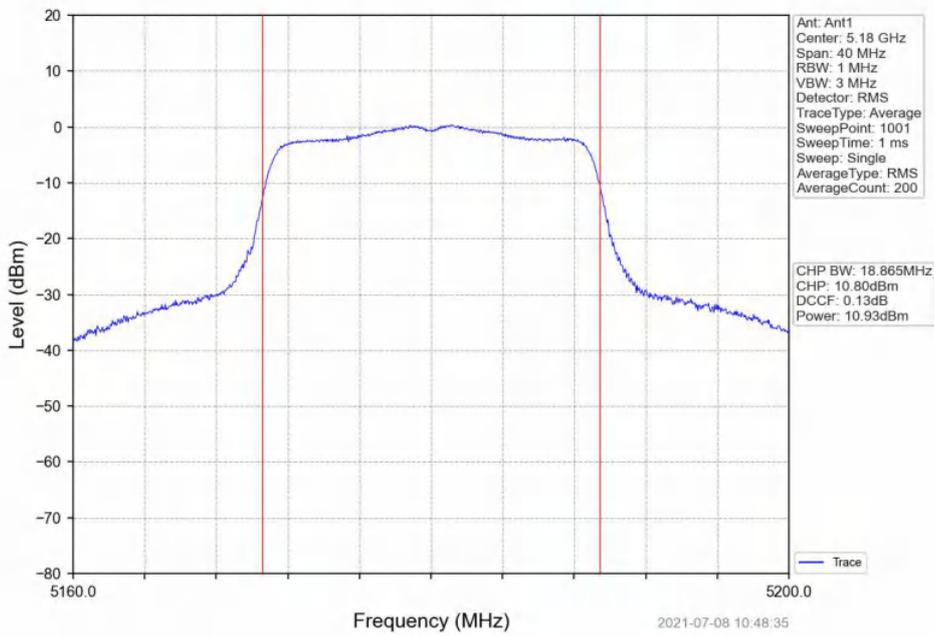


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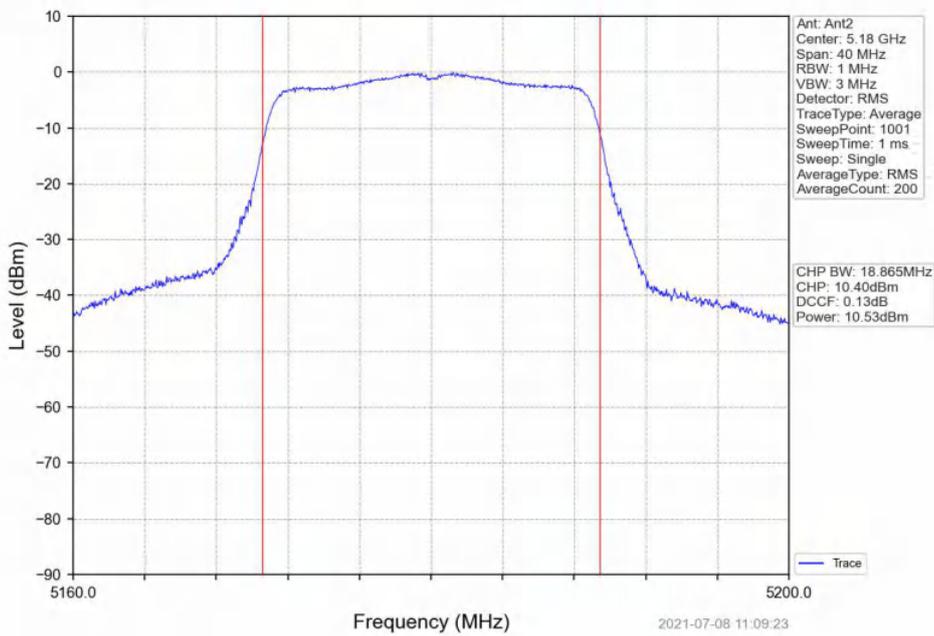
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Tel:(86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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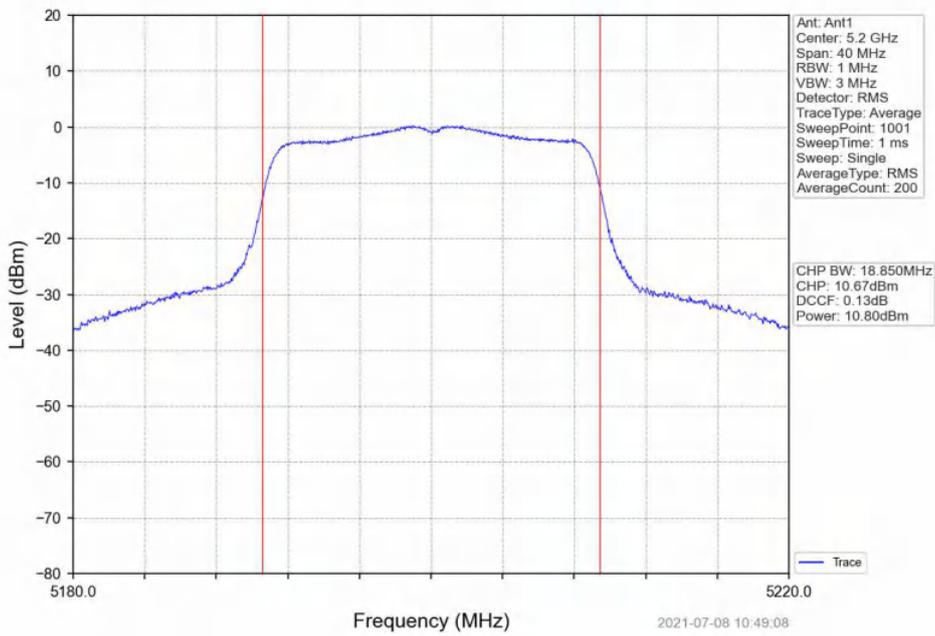
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



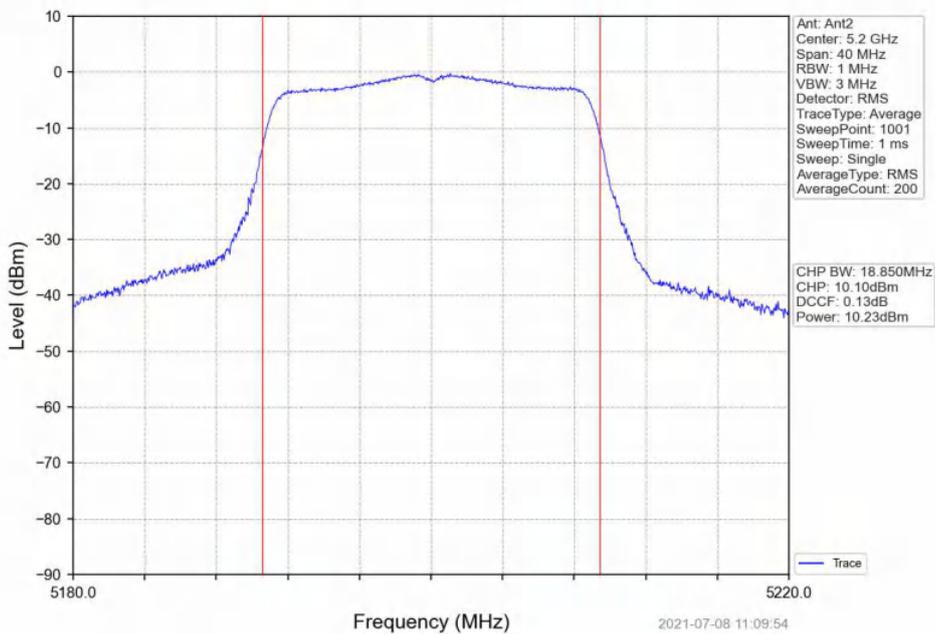
802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



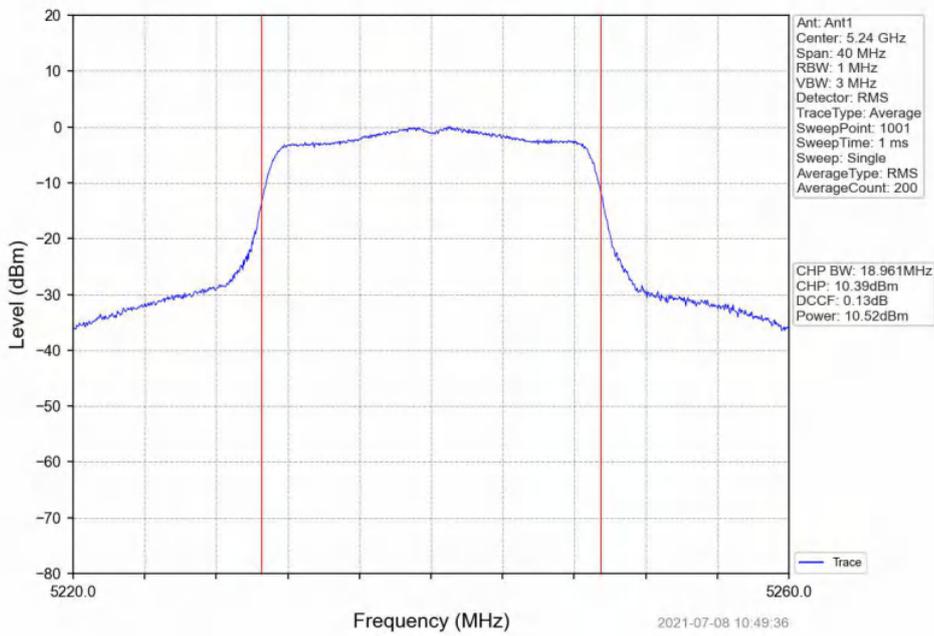
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



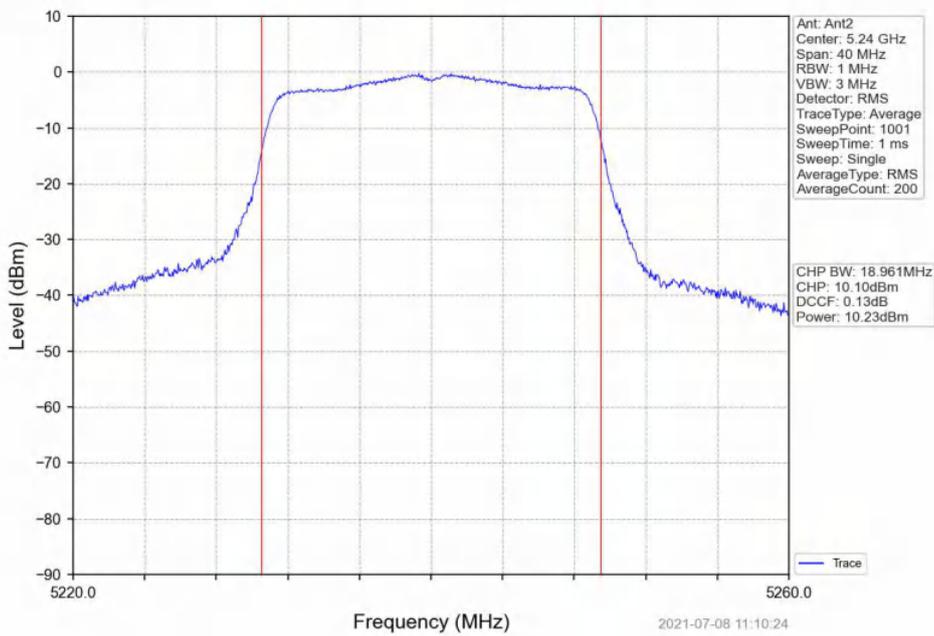
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



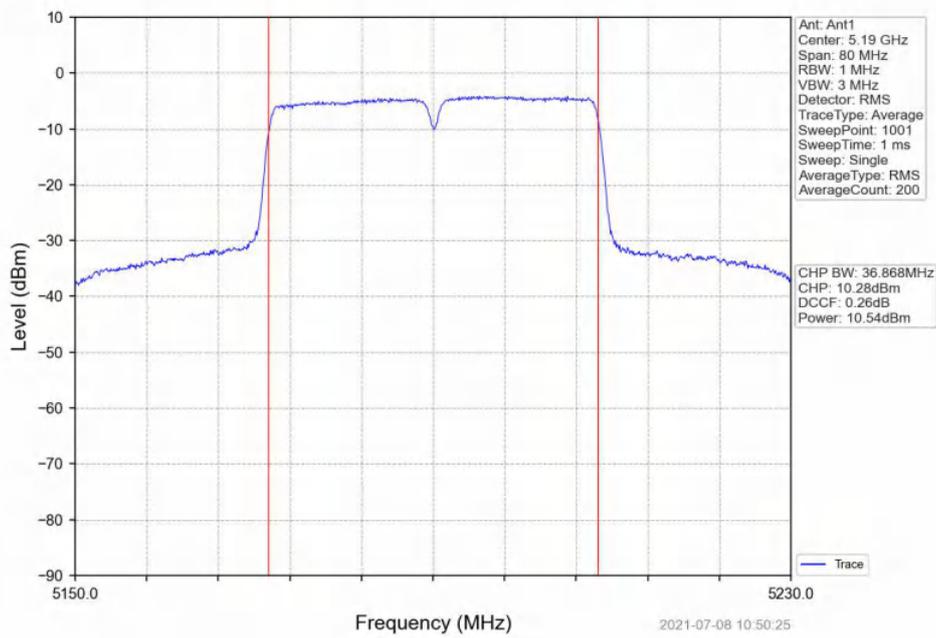
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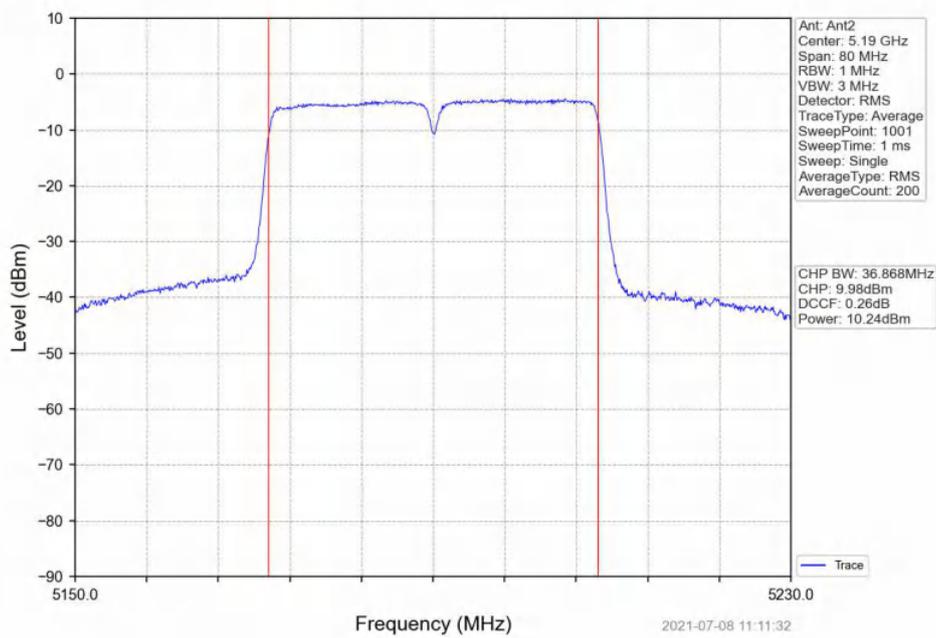
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV

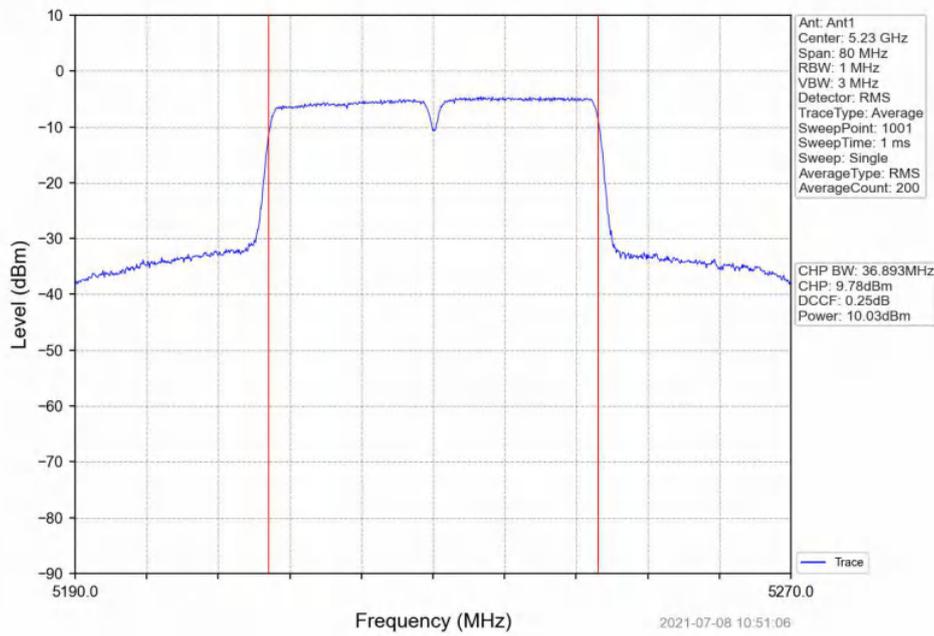


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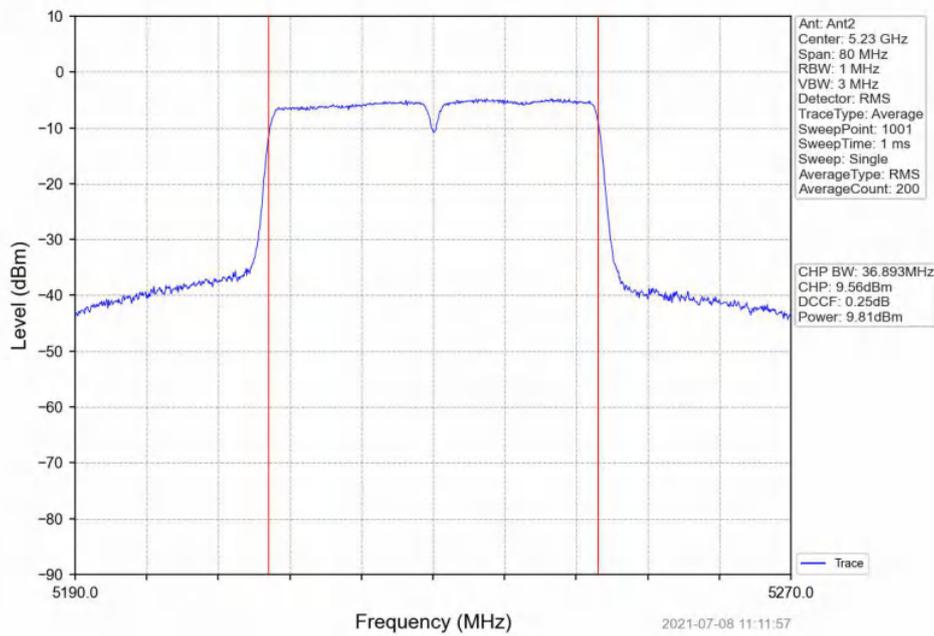
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV

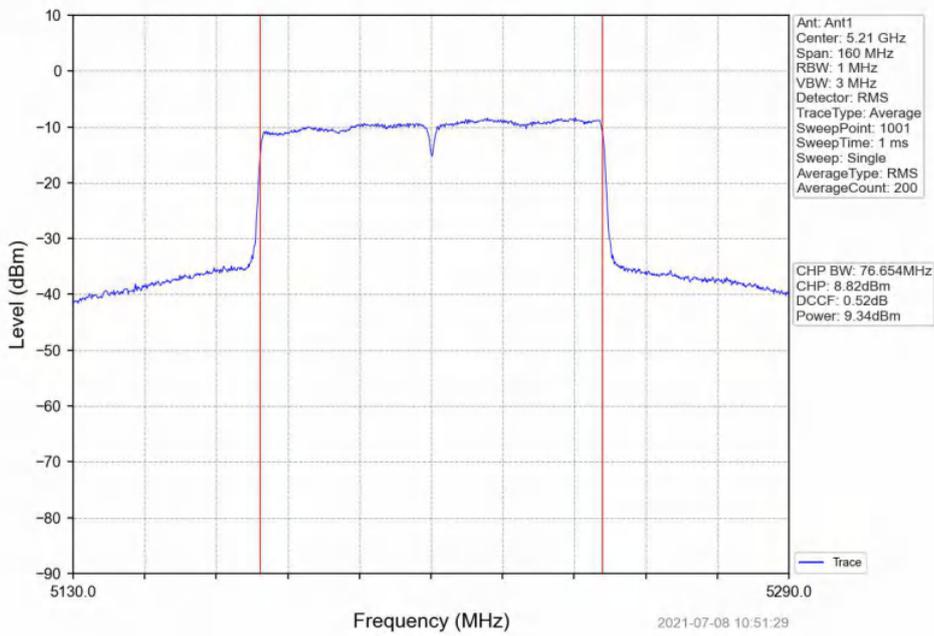


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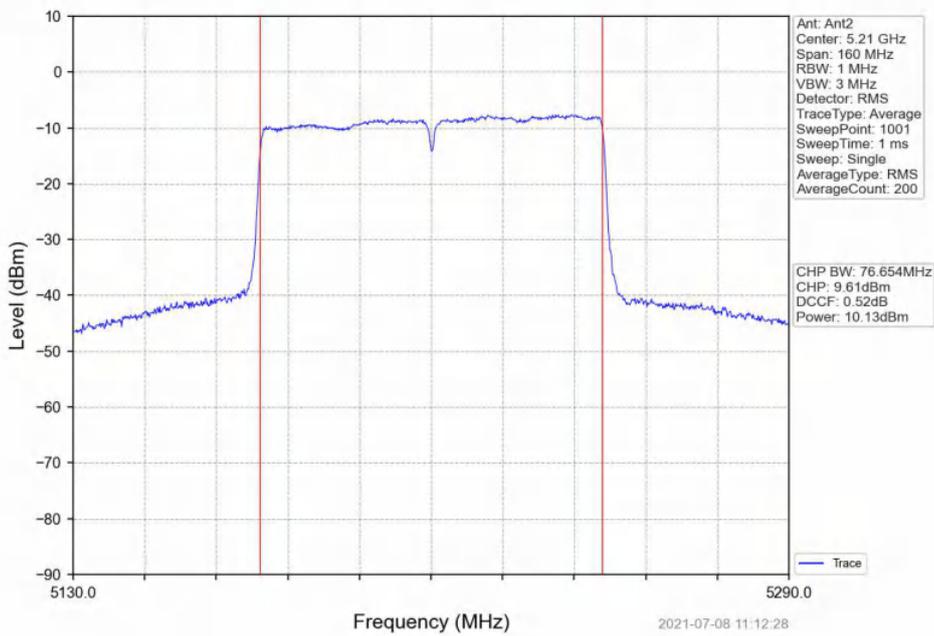
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



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## 4. Maximum Power Spectral Density

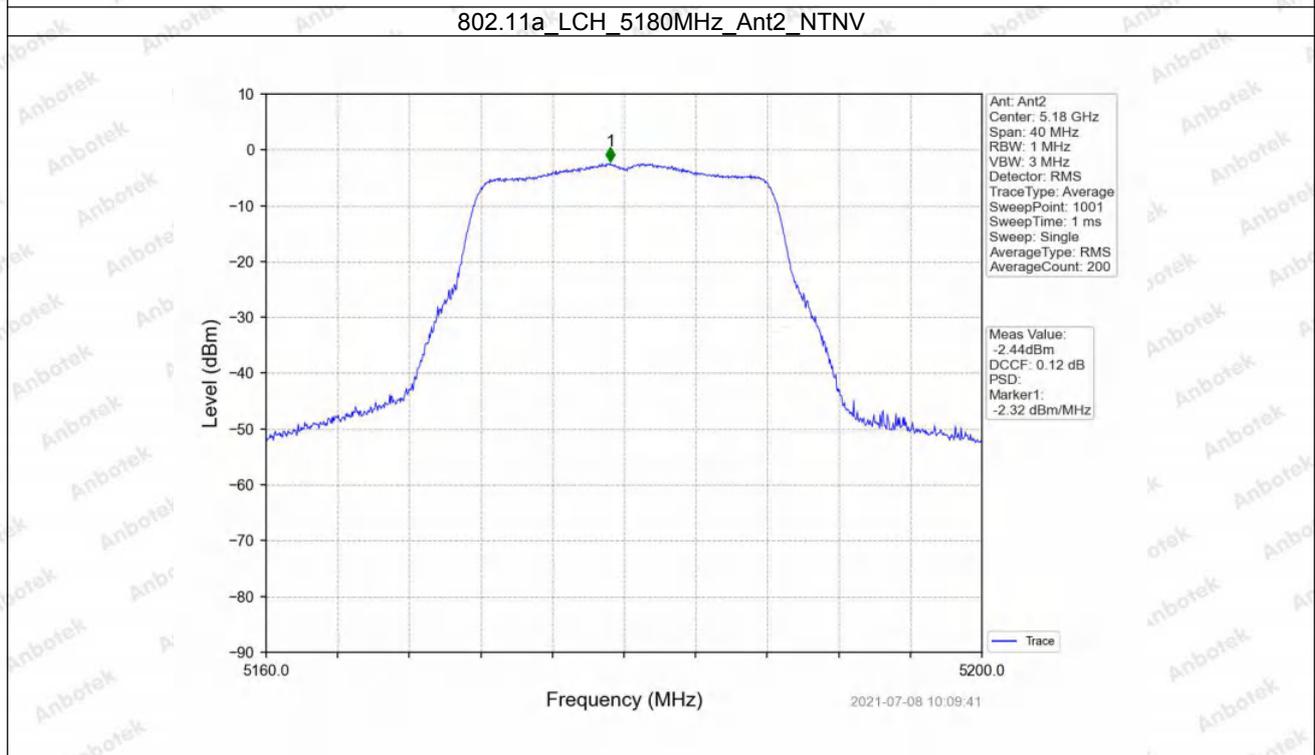
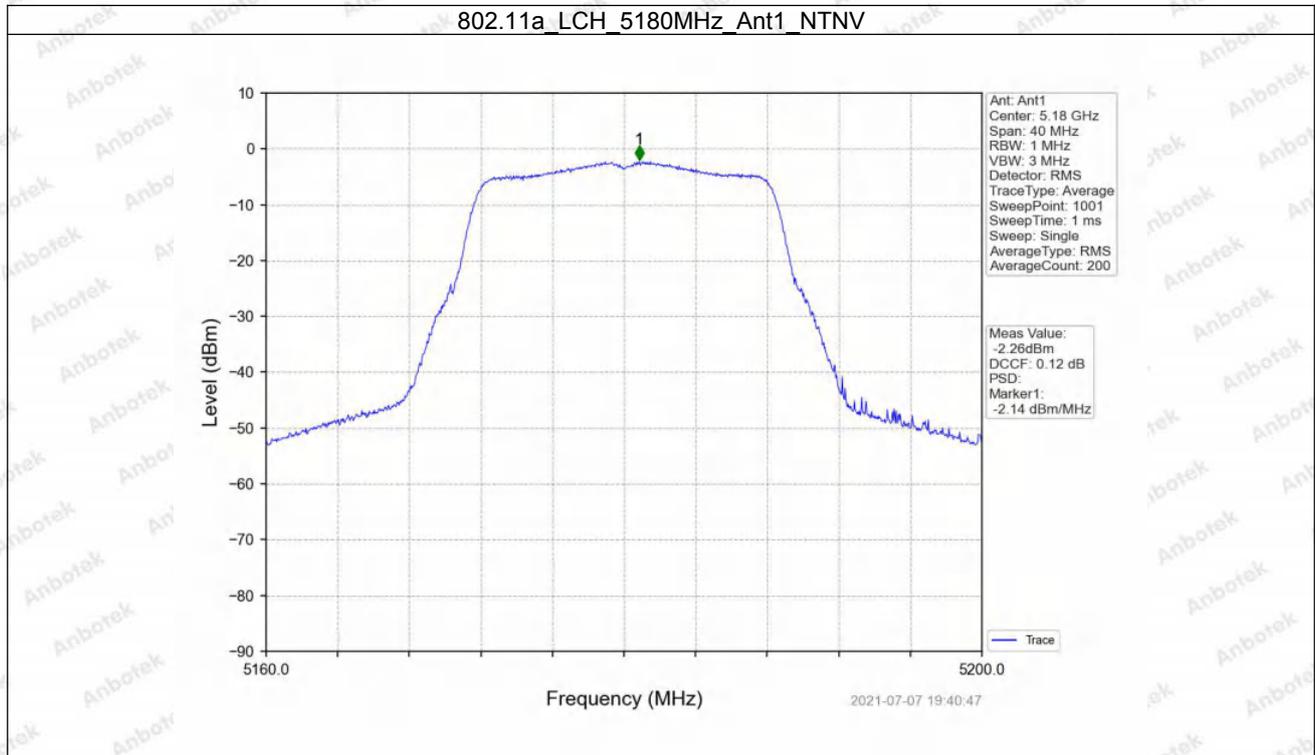
### 4.1 PSD

#### 4.1.1 Test Result

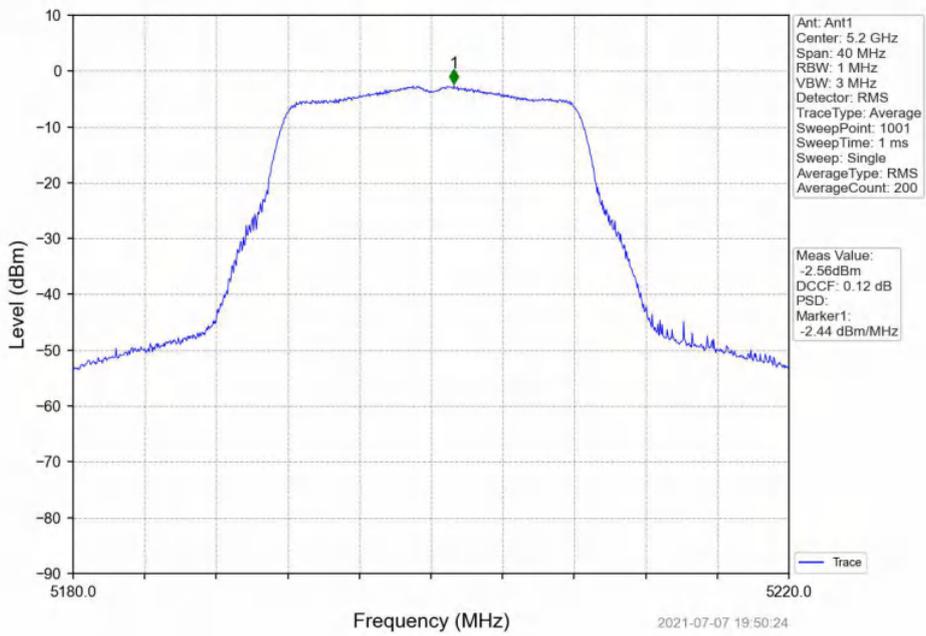
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Limit	
802.11a	SISO	5180	-2.14	-2.32	/	<=11	Pass
		5200	-2.44	-2.52	/	<=11	Pass
		5240	-2.56	-2.67	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-2.47	-2.54	0.33	<=11	Pass
		5200	-3.00	-2.58	0.08	<=11	Pass
		5240	-2.97	-2.92	0.02	<=11	Pass
802.11n (HT40)	MIMO	5190	-7.30	-7.10	-4.33	<=11	Pass
		5230	-7.47	-7.24	-4.45	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-2.59	-2.53	0.32	<=11	Pass
		5200	-2.84	-2.87	0.15	<=11	Pass
		5240	-3.02	-2.88	-0.05	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-7.03	-6.95	-4.02	<=11	Pass
		5230	-7.46	-7.26	-4.54	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-9.92	-9.95	-7.06	<=11	Pass

Note1: Antenna Gain: Ant1: 1.83dBi; Ant2: 1.61dBi;

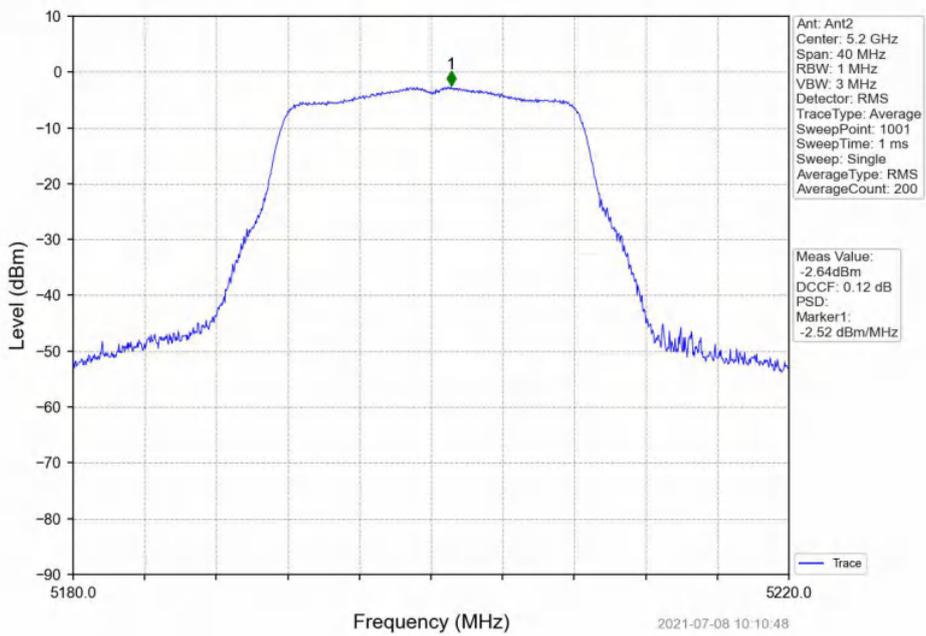
### 4.1.2 Test Graph



802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV



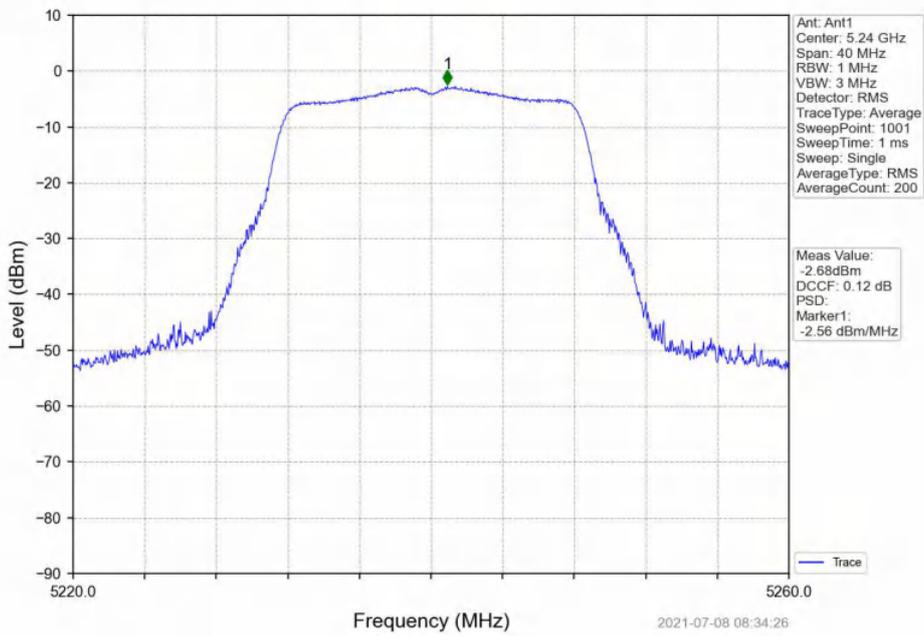
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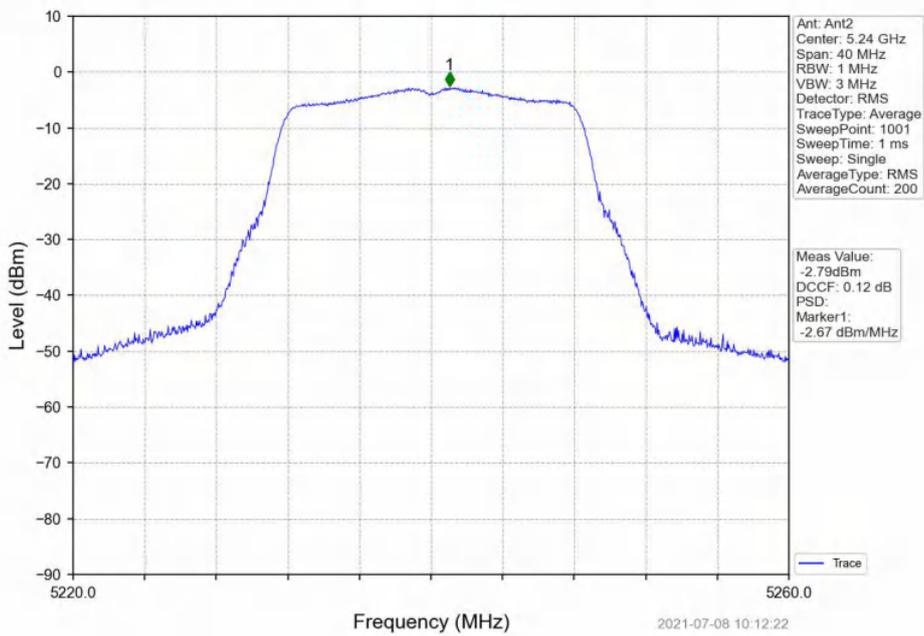
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



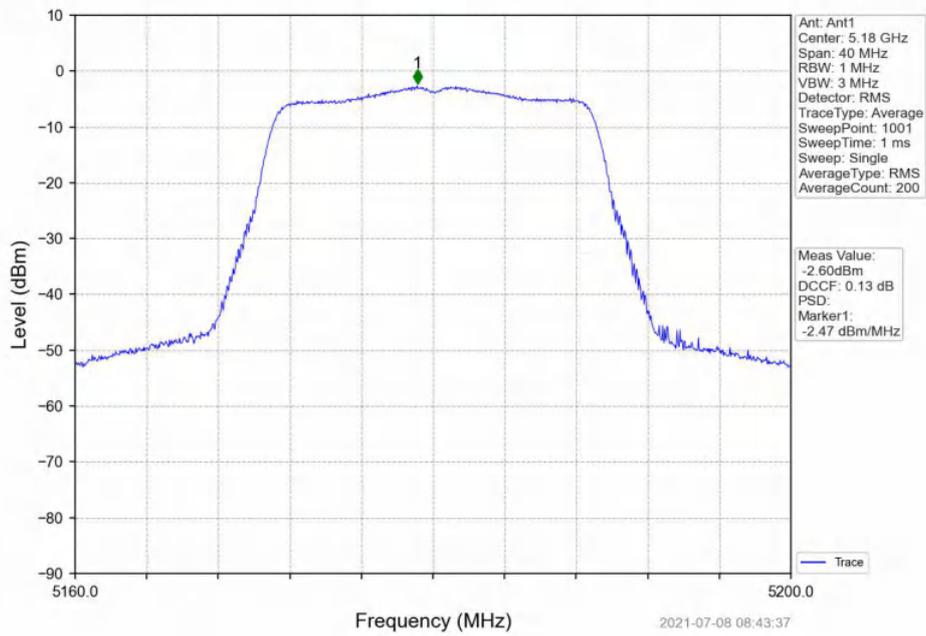
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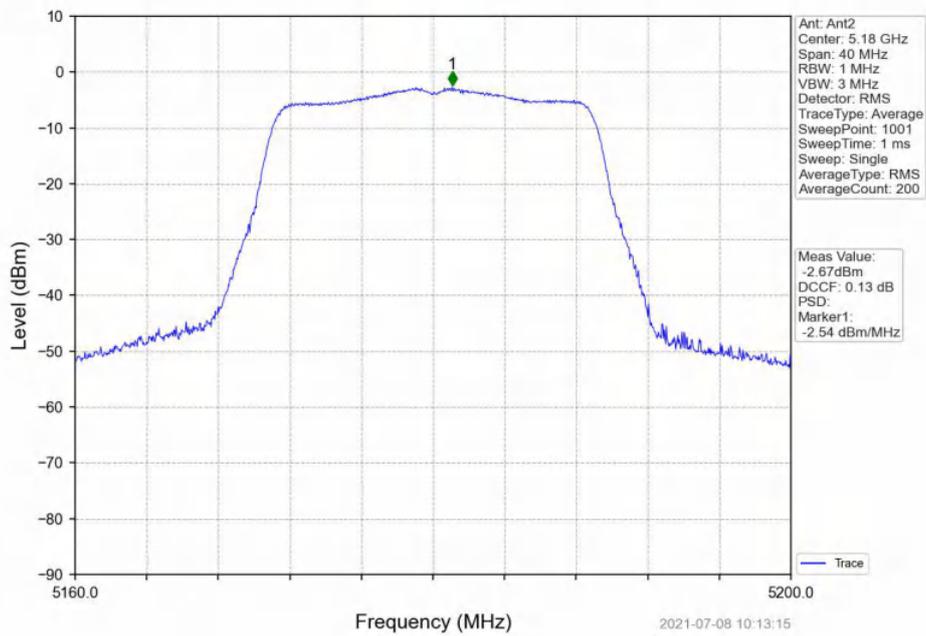
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV

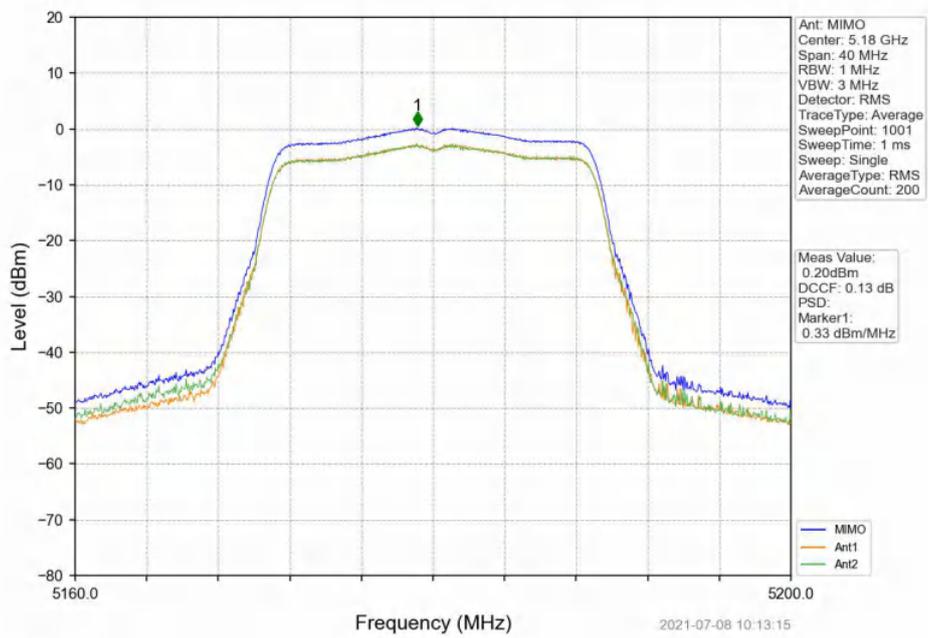


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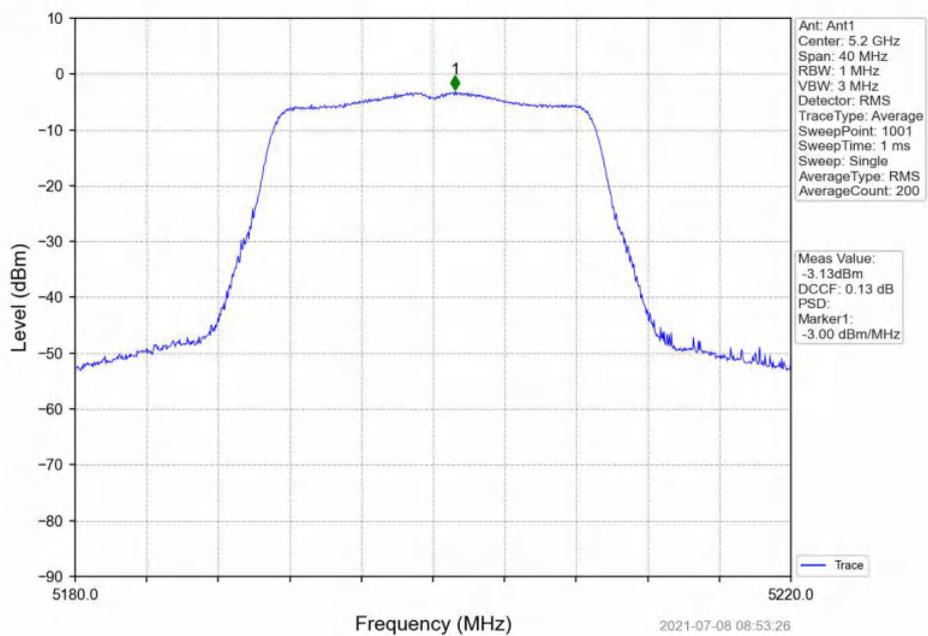
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802.11n(HT20)\_LCH\_5180MHz\_MIMO\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV

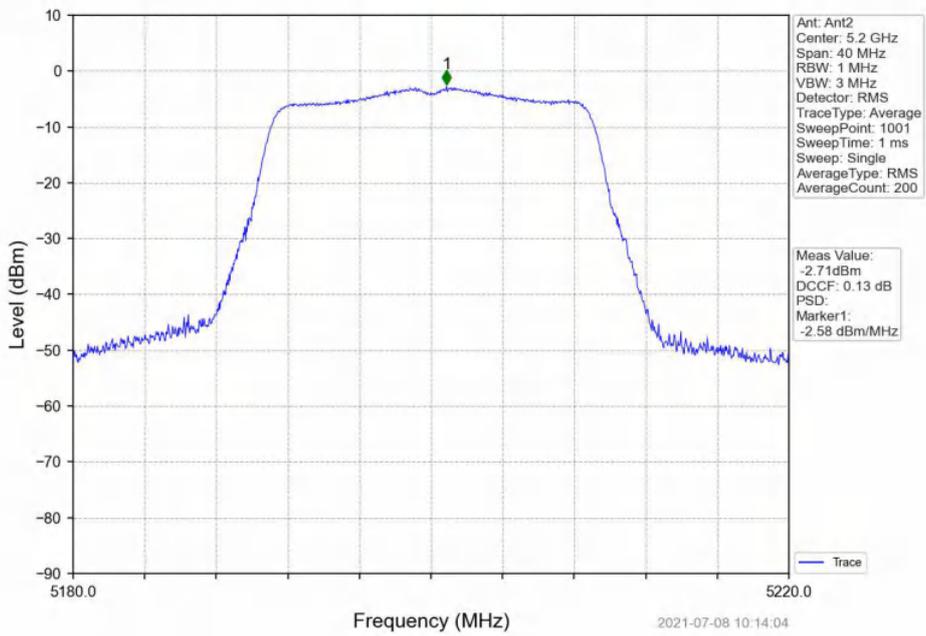


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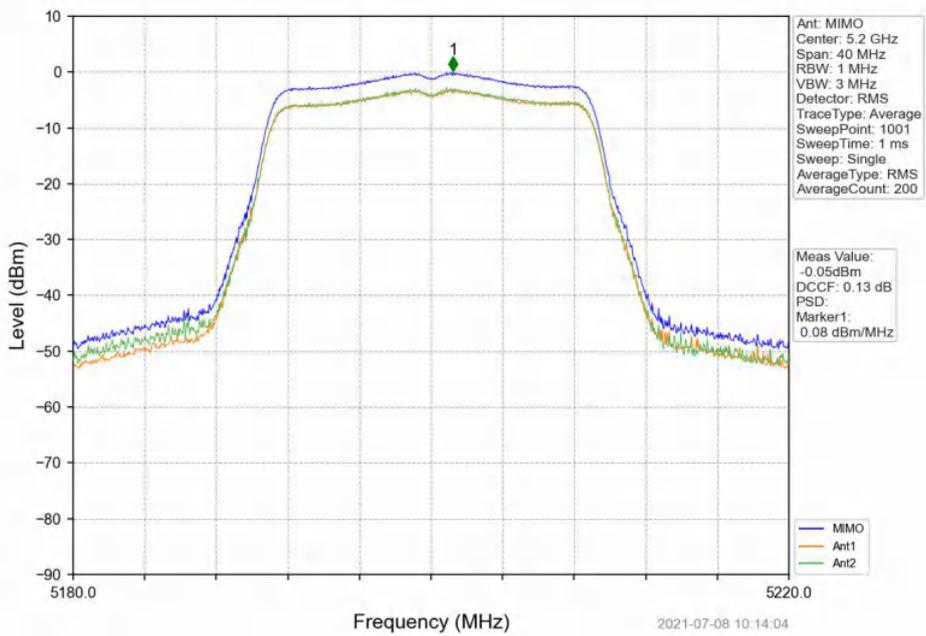
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_MIMO\_NTNV



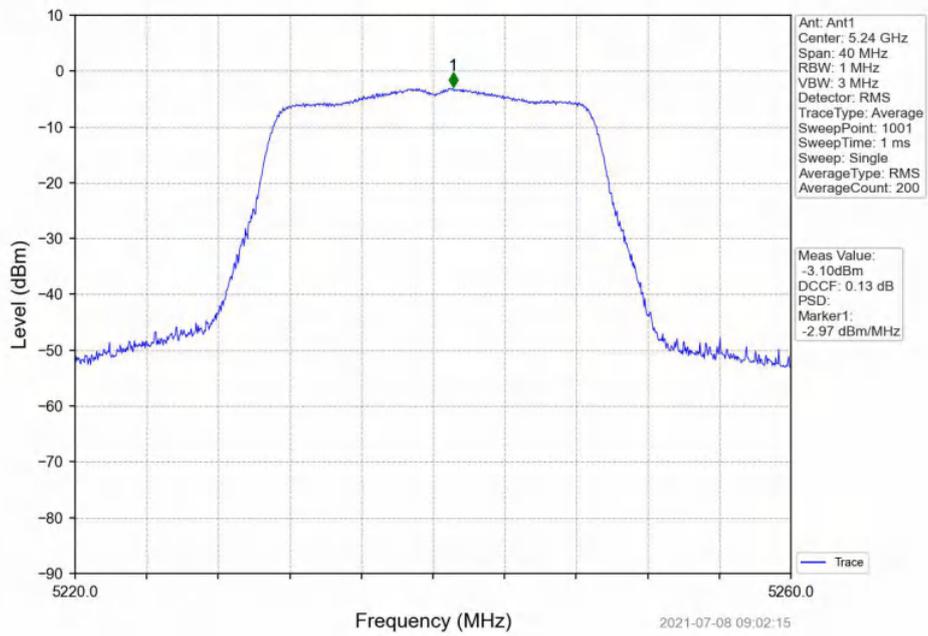
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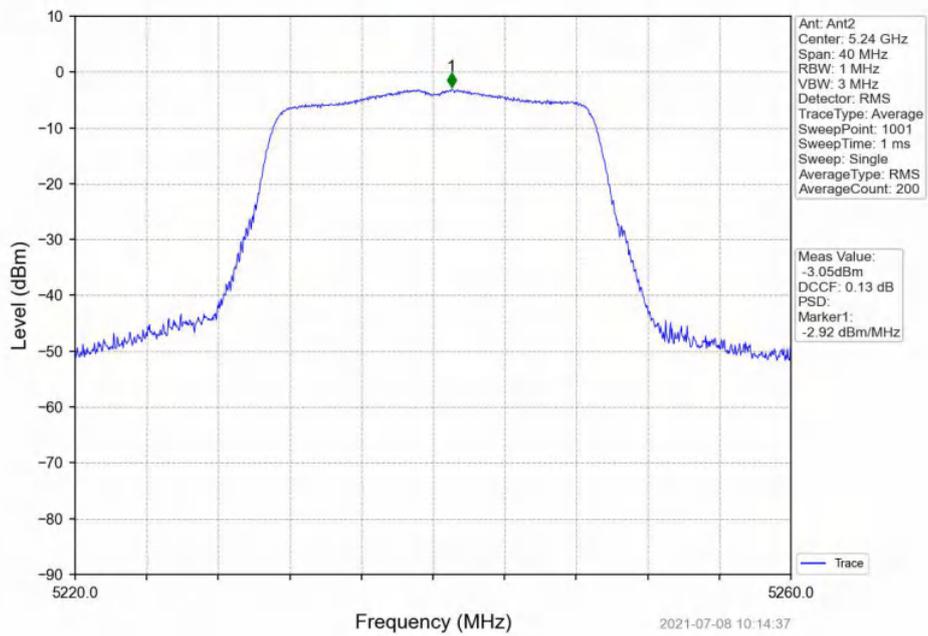
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



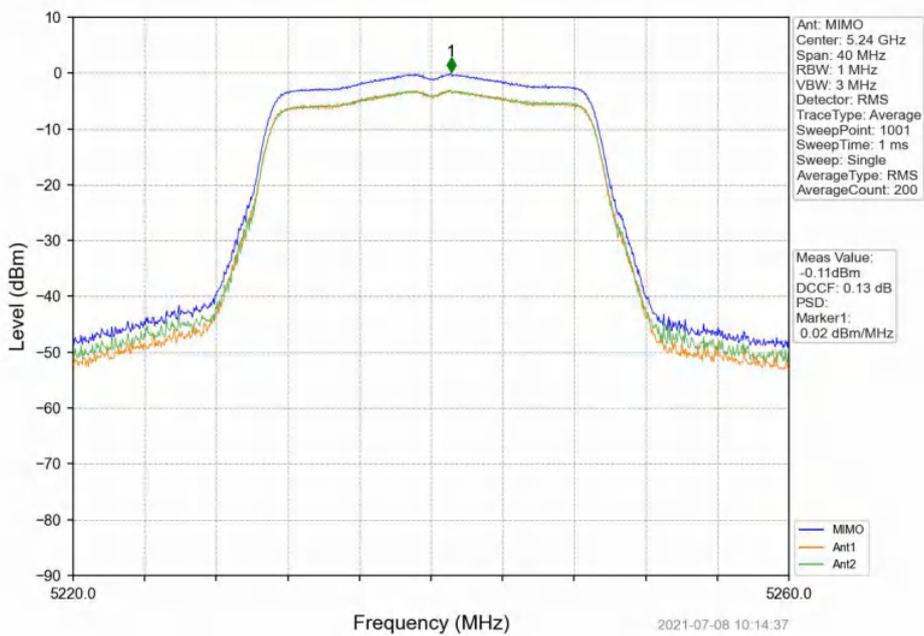
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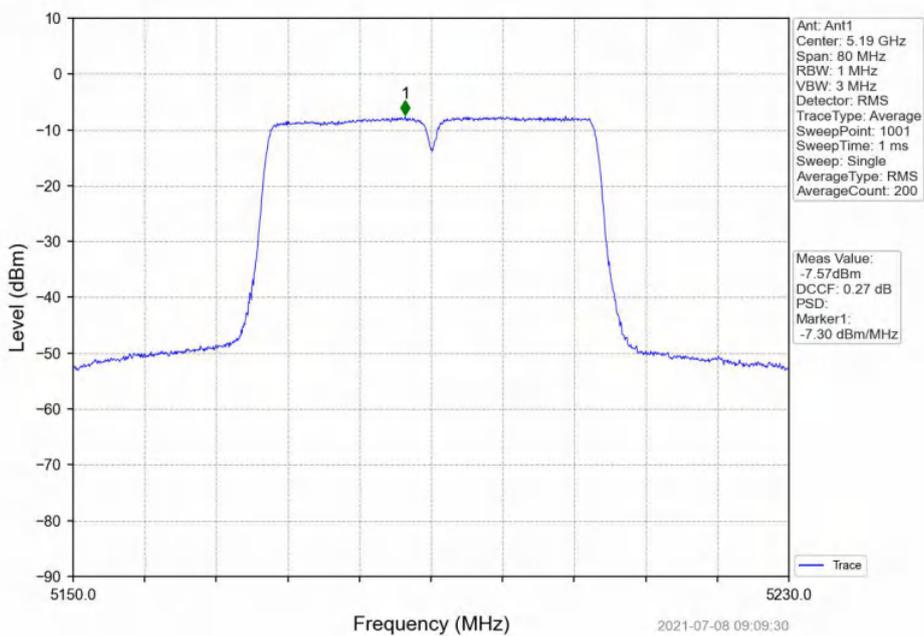
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### 802.11n(HT20)\_HCH\_5240MHz\_MIMO\_NTNV



### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



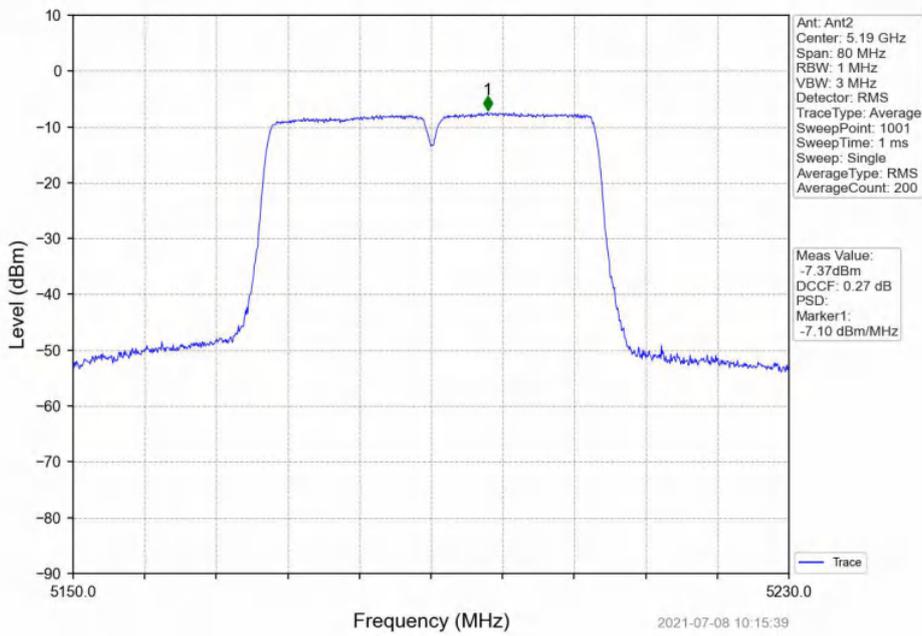
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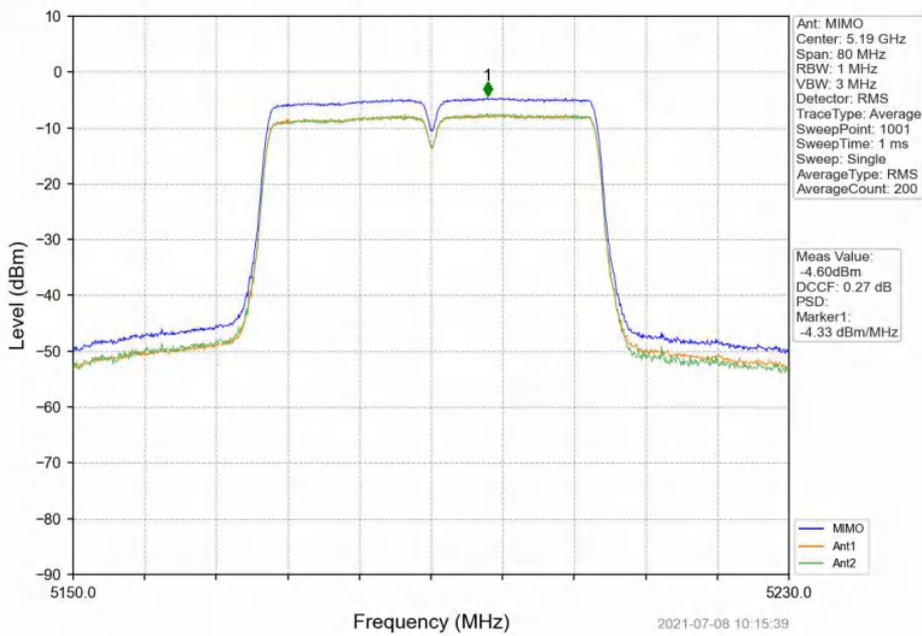
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802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



802.11n(HT40)\_LCH\_5190MHz\_MIMO\_NTNV



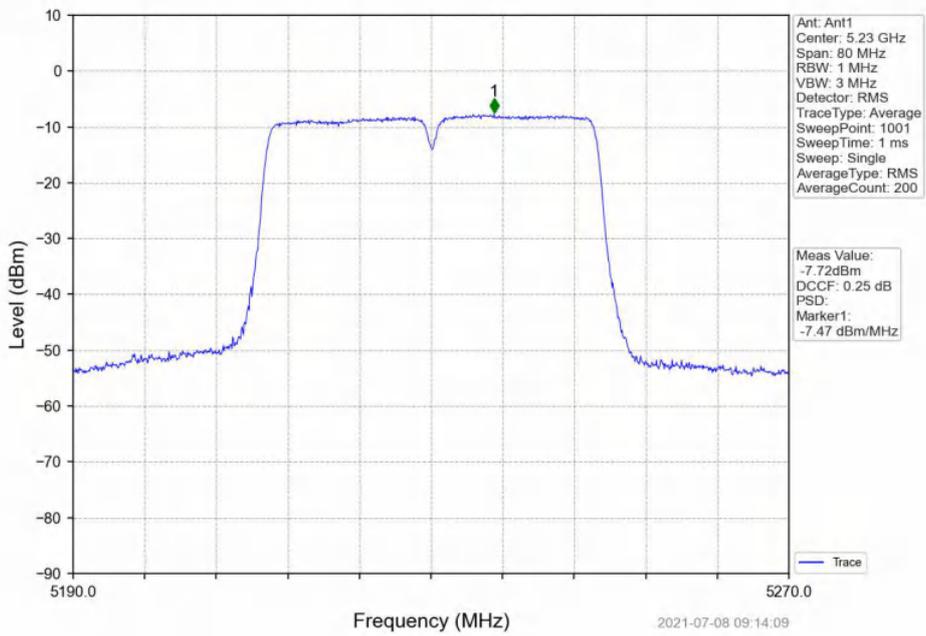
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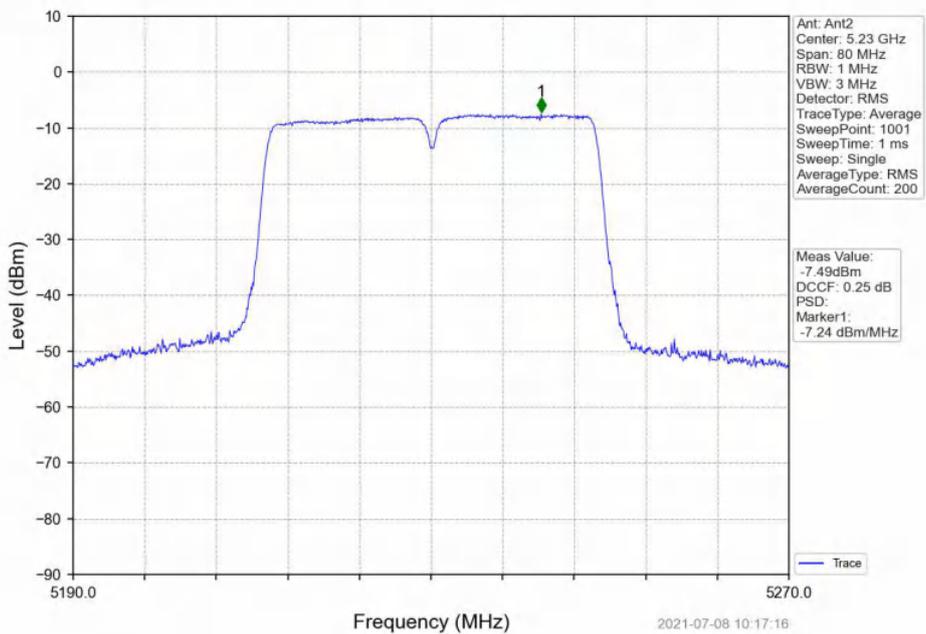
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

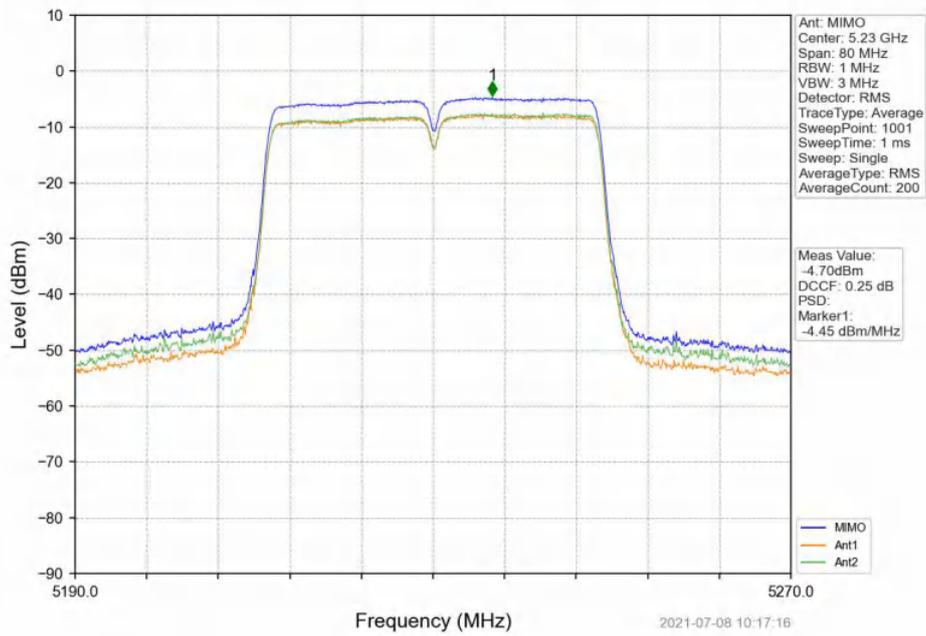


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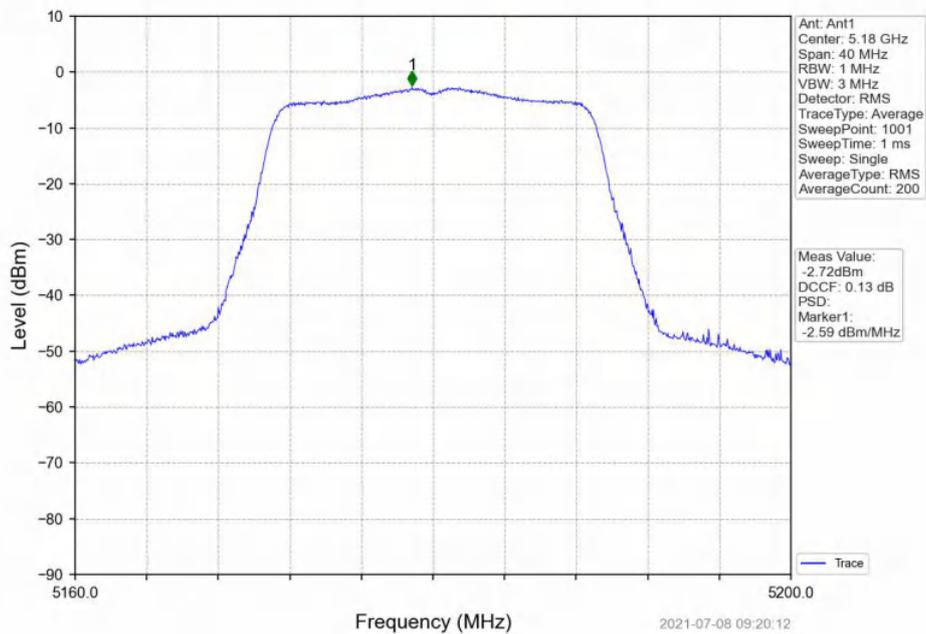
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802.11n(HT40)\_HCH\_5230MHz\_MIMO\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



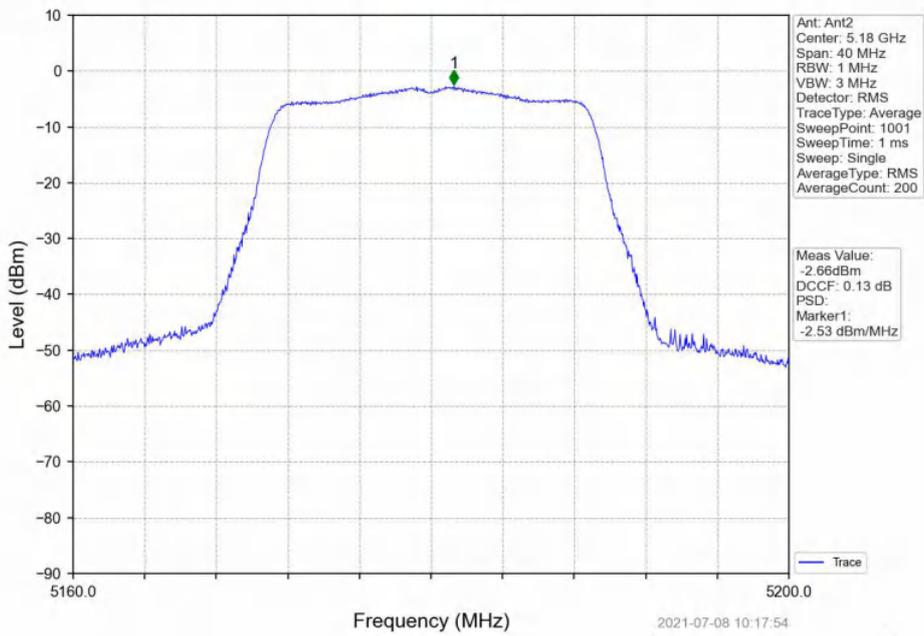
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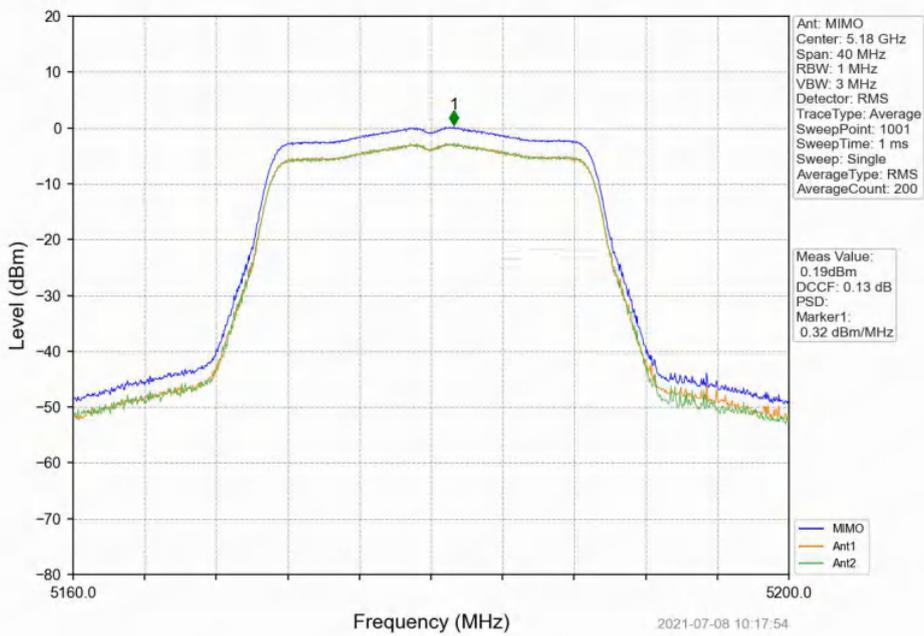
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_MIMO\_NTNV



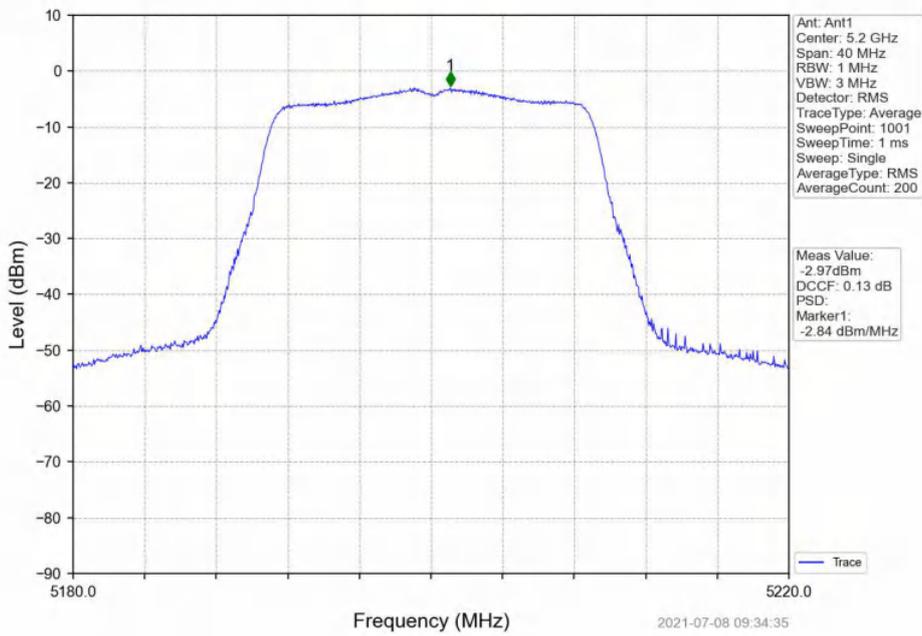
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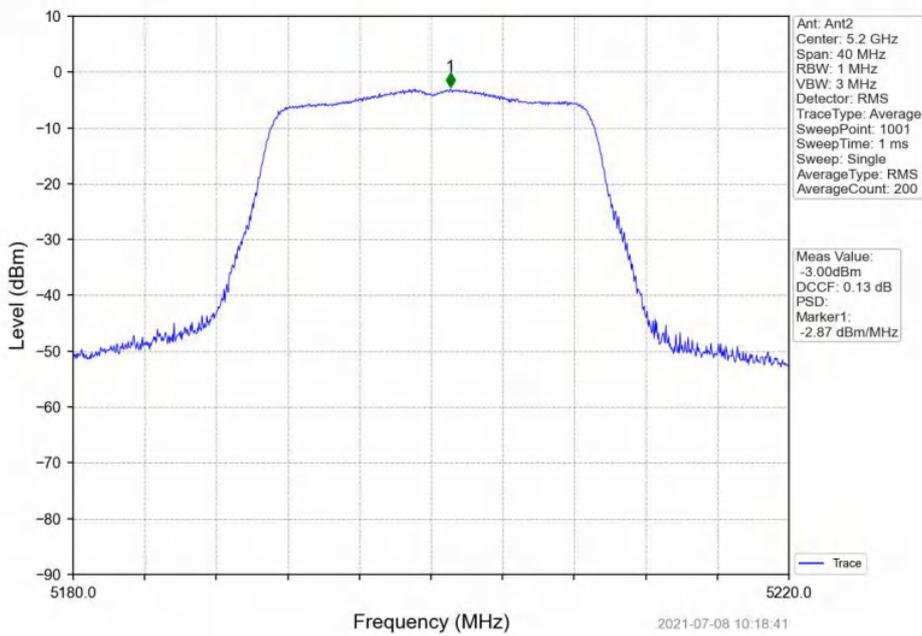
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV

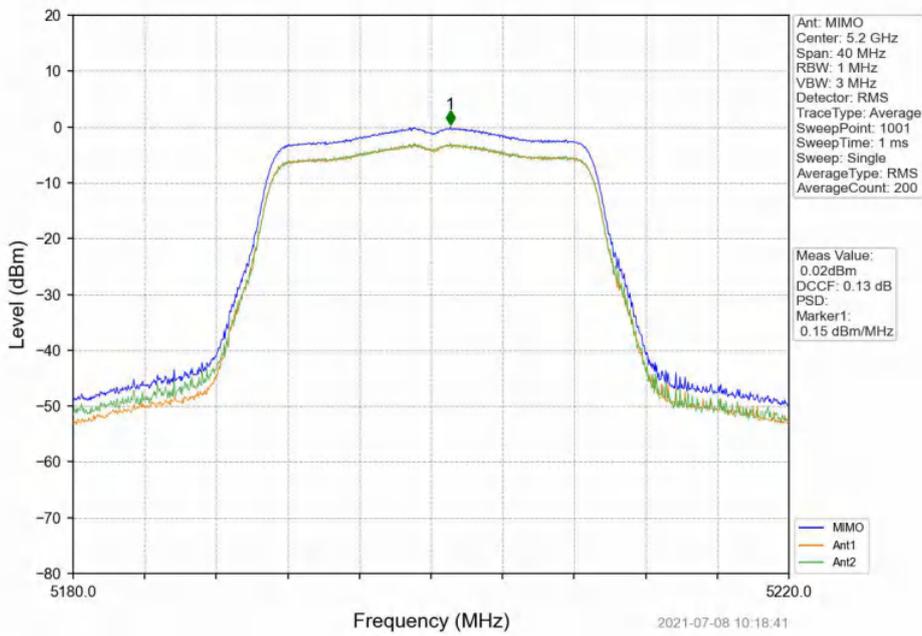


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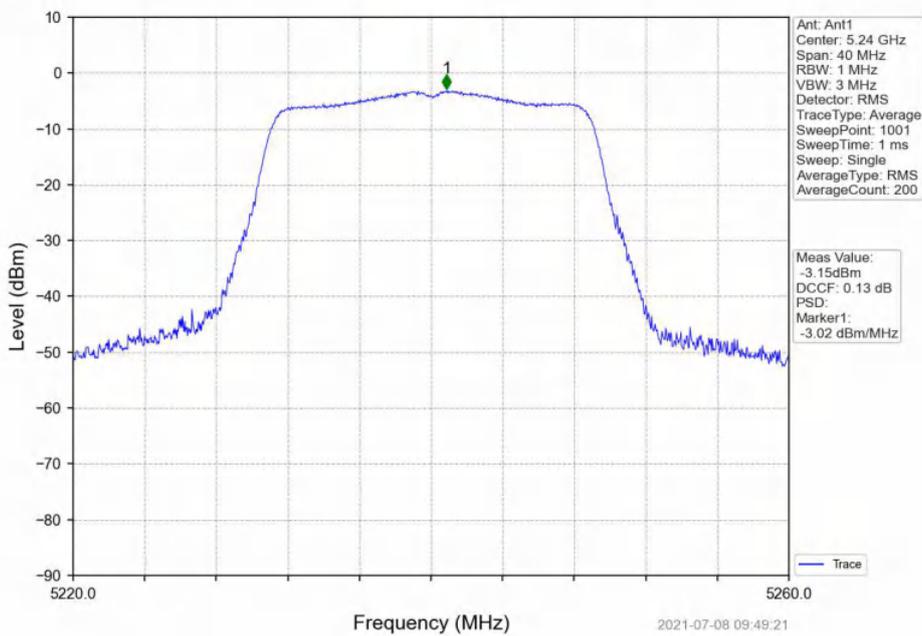
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802.11ac(VHT20)\_MCH\_5200MHz\_MIMO\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



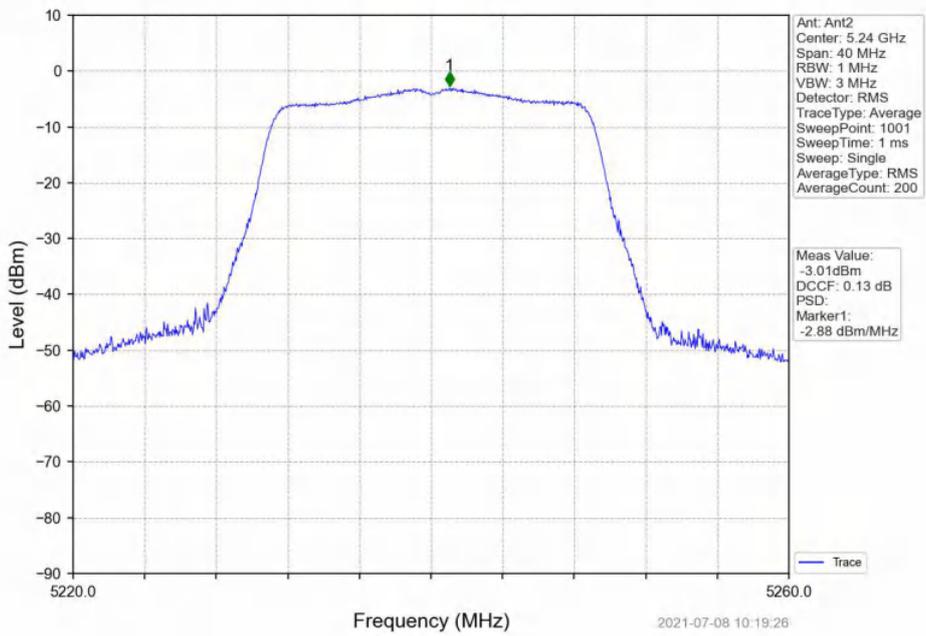
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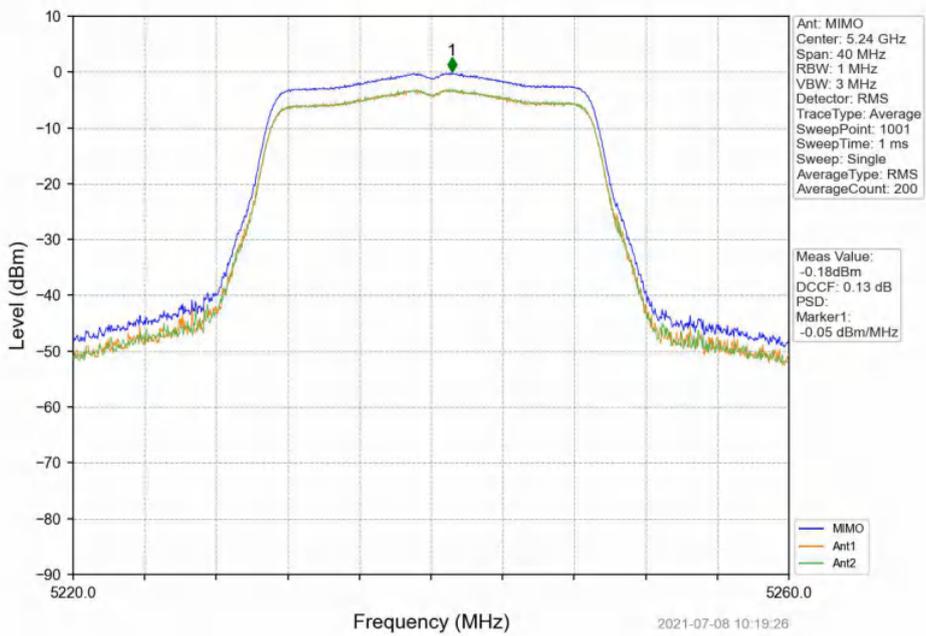
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_MIMO\_NTNV



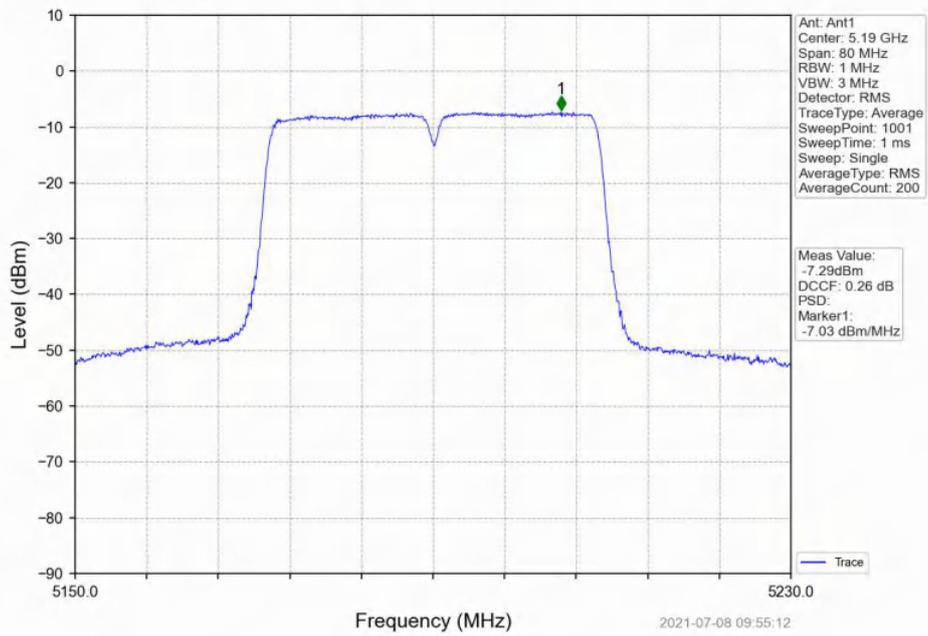
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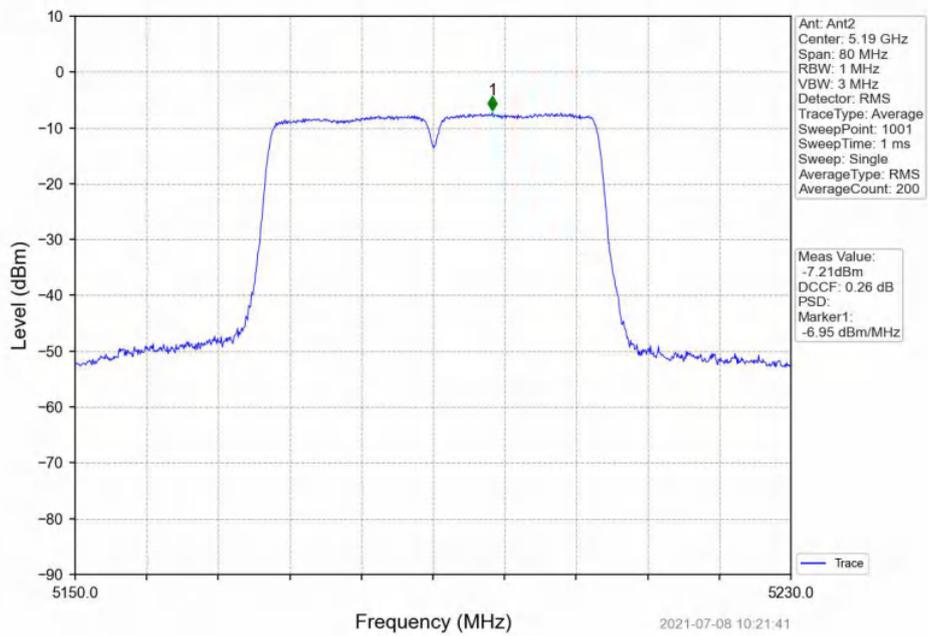
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



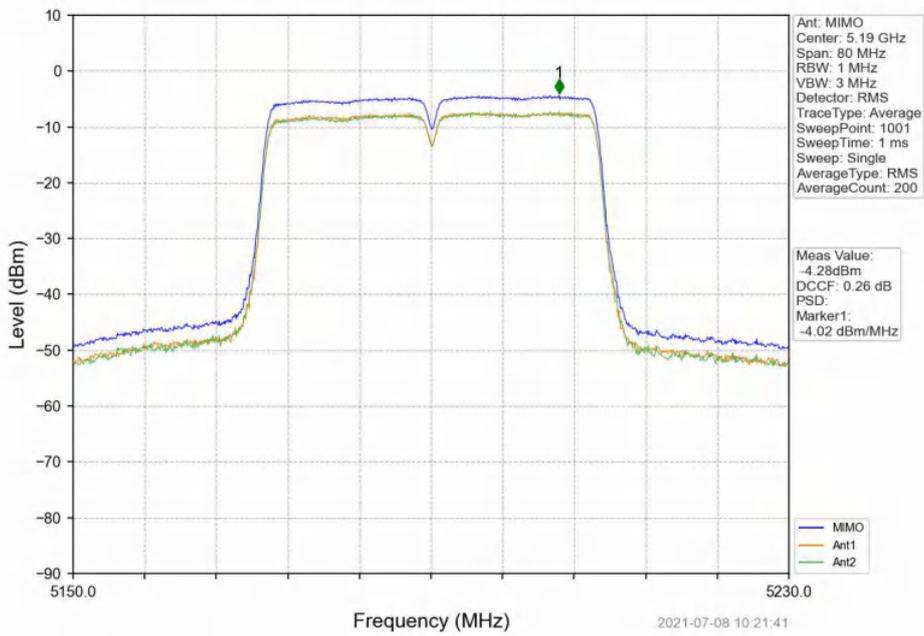
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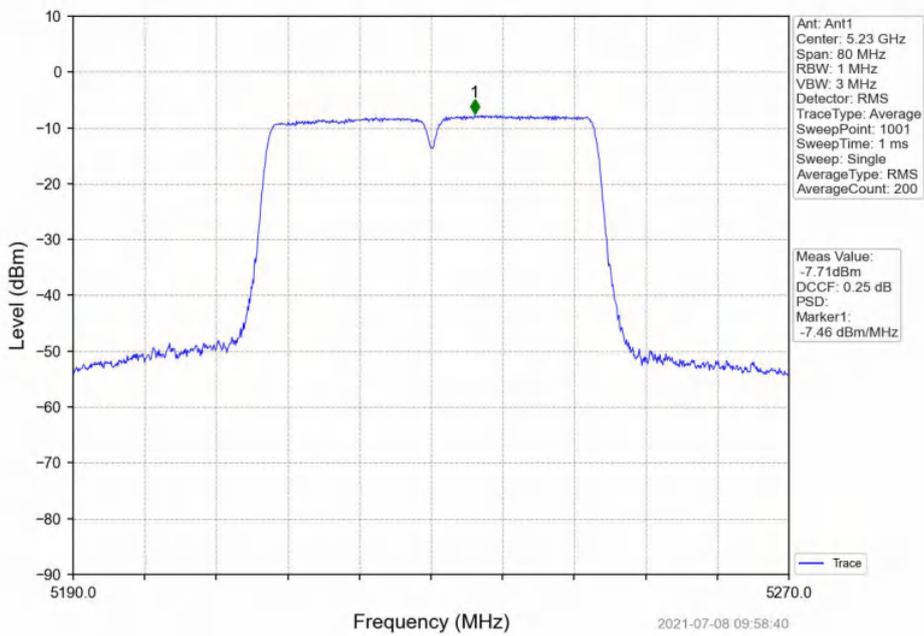
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### 802.11ac(VHT40)\_LCH\_5190MHz\_MIMO\_NTNV



### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



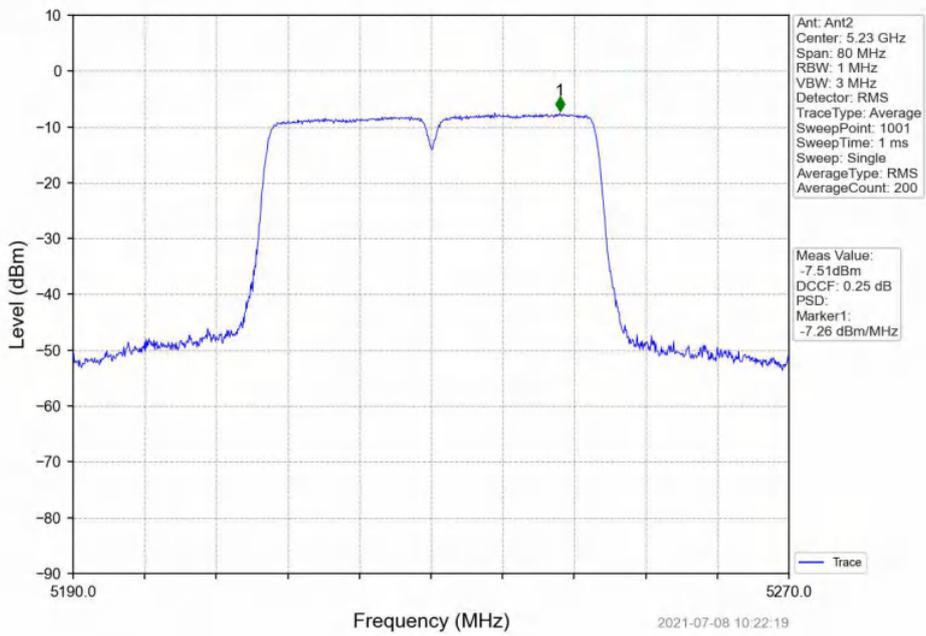
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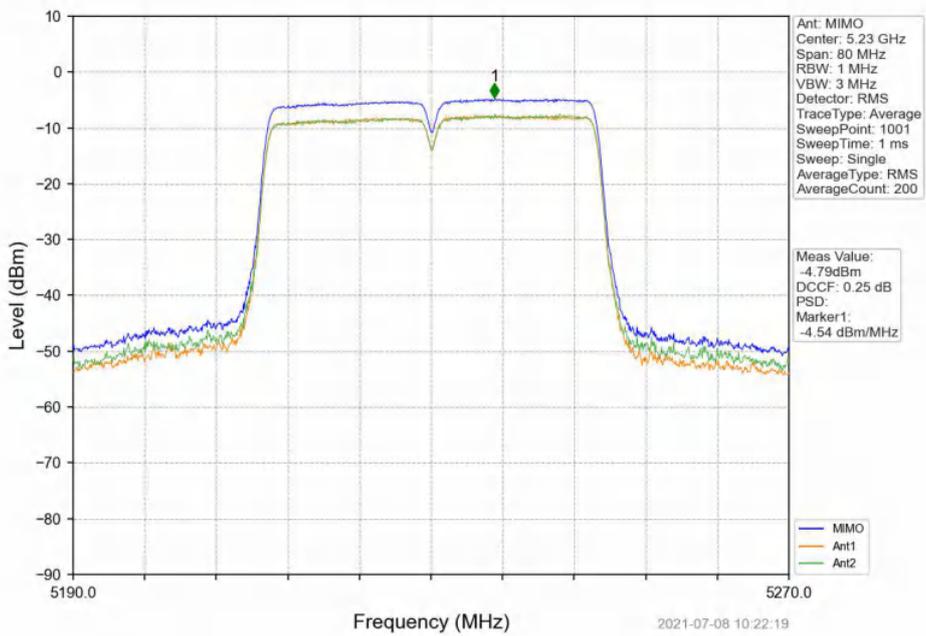
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_MIMO\_NTNV

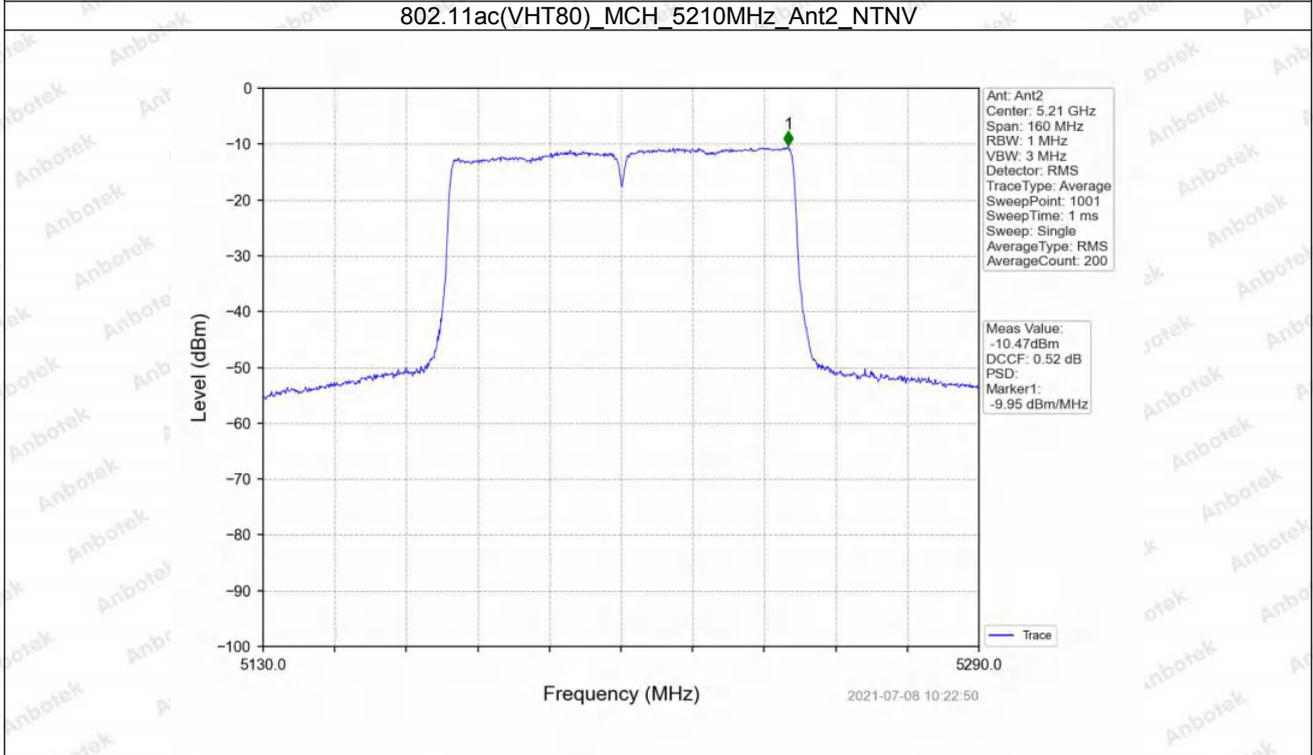
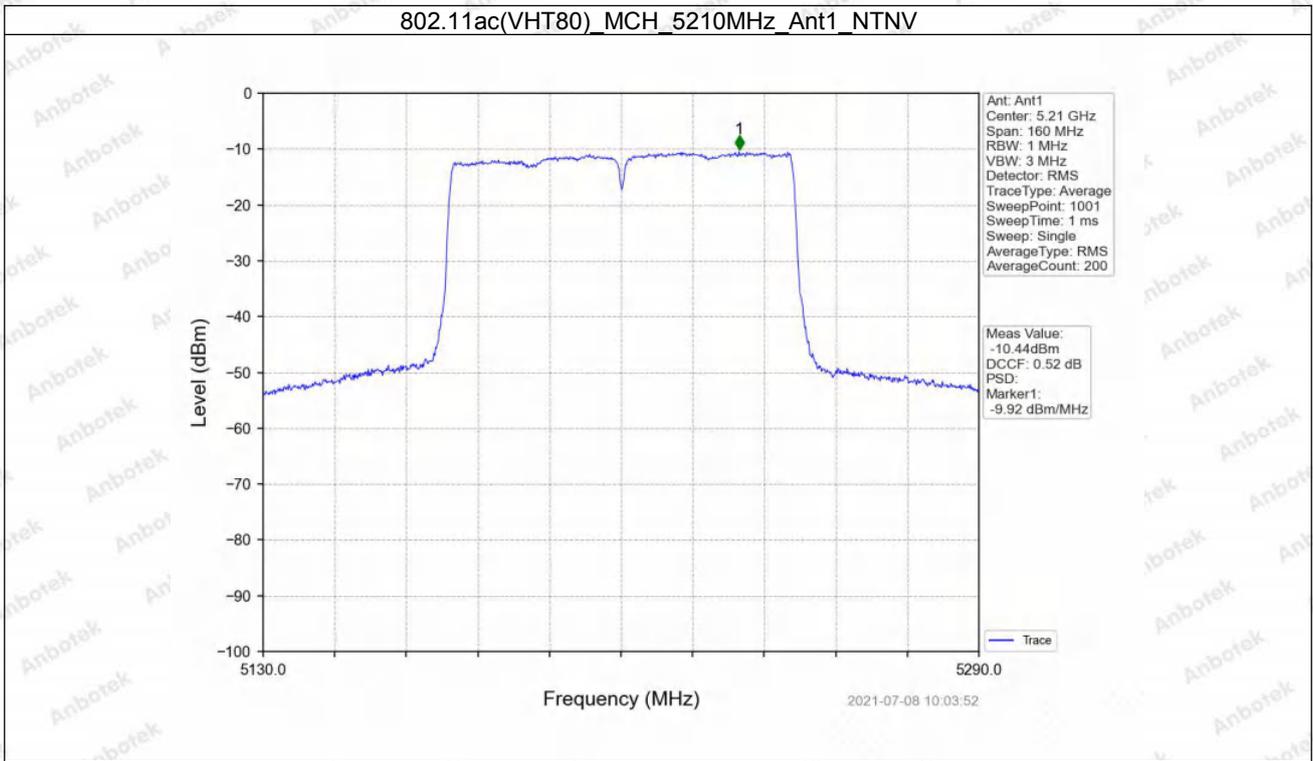


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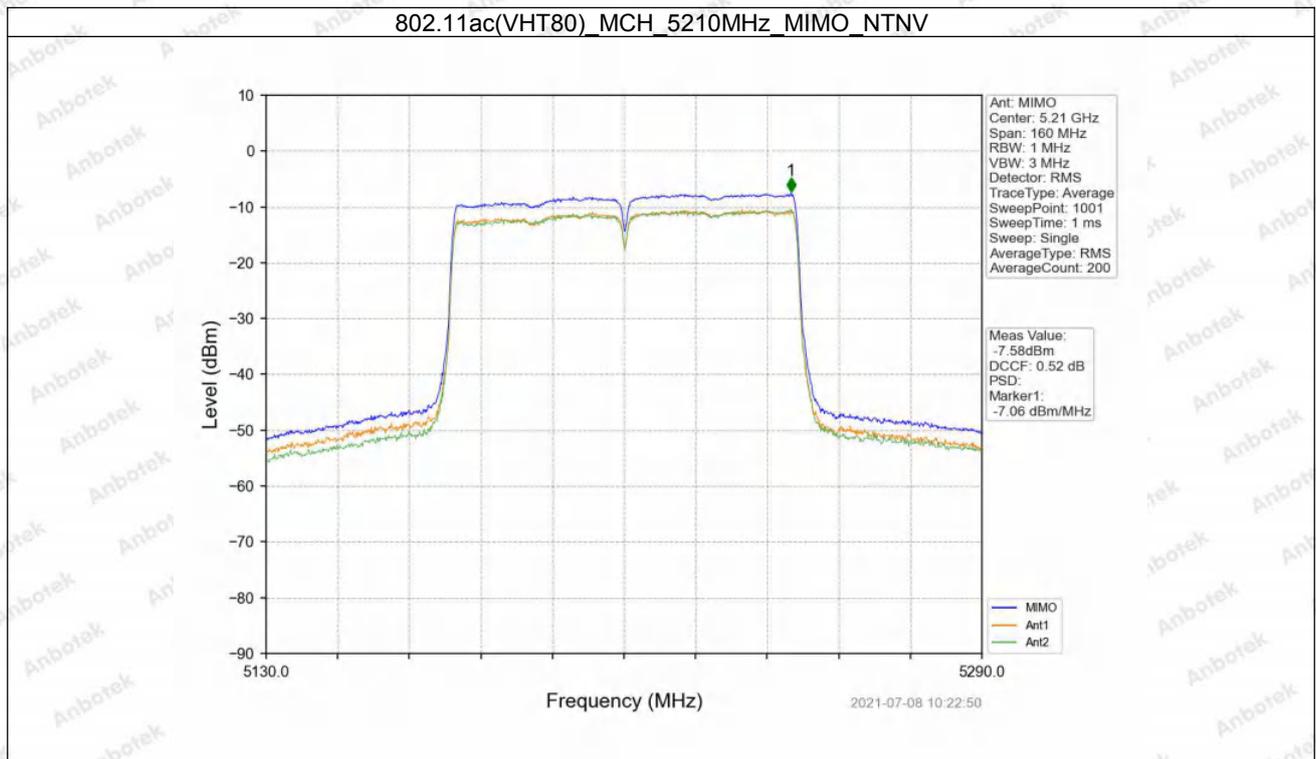
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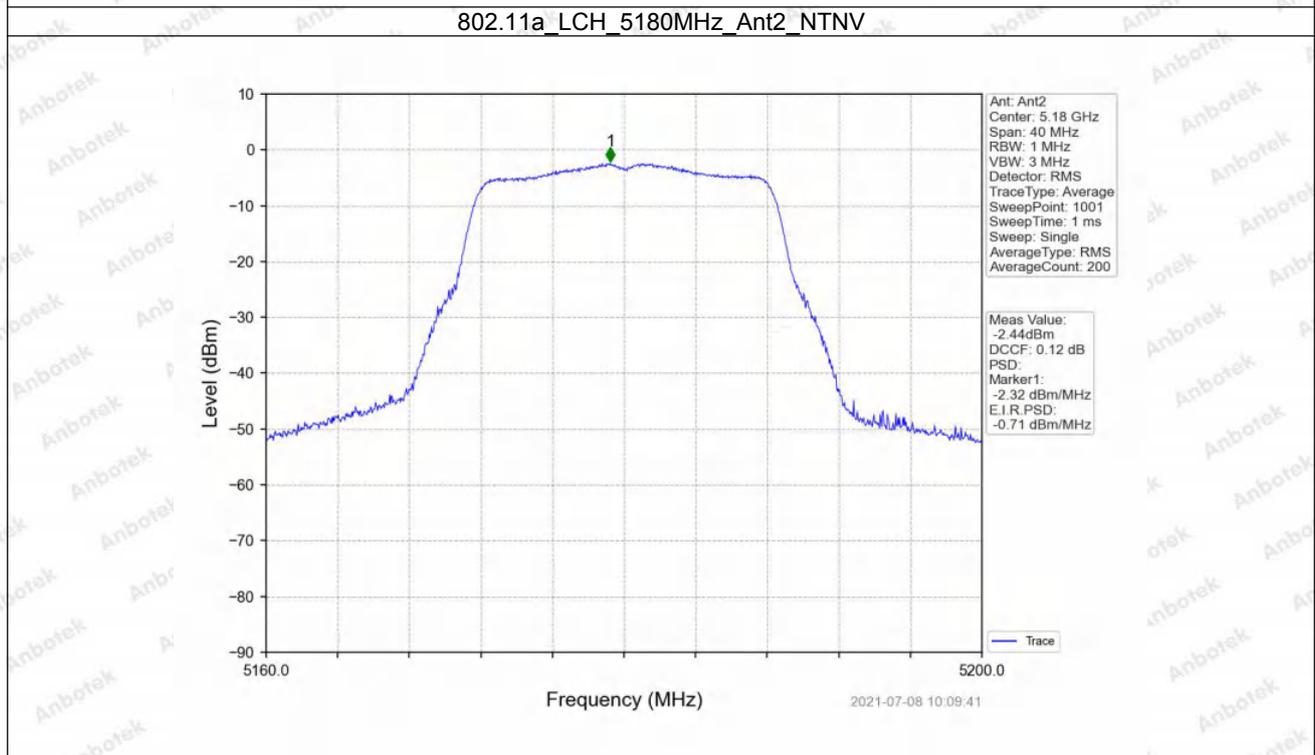
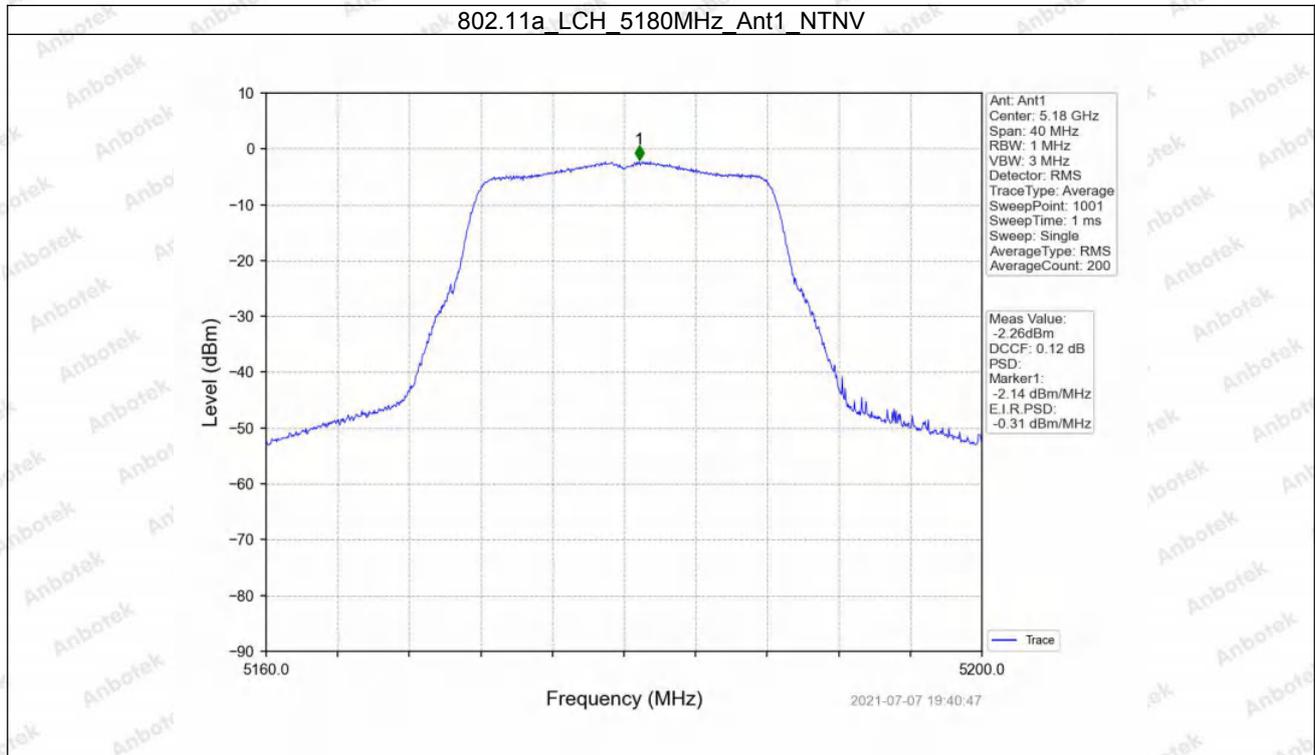
## 4.2 E.I.R.PSD

### 4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum E.I.R.PSD (dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Limit	
802.11a	SISO	5180	-0.31	-0.71	/	<=10	Pass
		5200	-0.61	-0.91	/	<=10	Pass
		5240	-0.73	-1.06	/	<=10	Pass
802.11n (HT20)	MIMO	5180	-0.64	-0.93	2.23	<=10	Pass
		5200	-1.17	-0.97	1.94	<=10	Pass
		5240	-1.14	-1.31	1.79	<=10	Pass
802.11n (HT40)	MIMO	5190	-5.47	-5.49	-2.47	<=10	Pass
		5230	-5.64	-5.63	-2.62	<=10	Pass
802.11ac (VHT20)	MIMO	5180	-0.76	-0.92	2.17	<=10	Pass
		5200	-1.01	-1.26	1.88	<=10	Pass
		5240	-1.19	-1.27	1.78	<=10	Pass
802.11ac (VHT40)	MIMO	5190	-5.20	-5.34	-2.26	<=10	Pass
		5230	-5.63	-5.65	-2.63	<=10	Pass
802.11ac (VHT80)	MIMO	5210	-8.09	-8.34	-5.20	<=10	Pass

Note1: Antenna Gain: Ant1: 1.83dBi; Ant2: 1.61dBi;  
 Note: E.I.R.PSD = Measured PSD + Antenna Gain

### 4.2.2 Test Graph

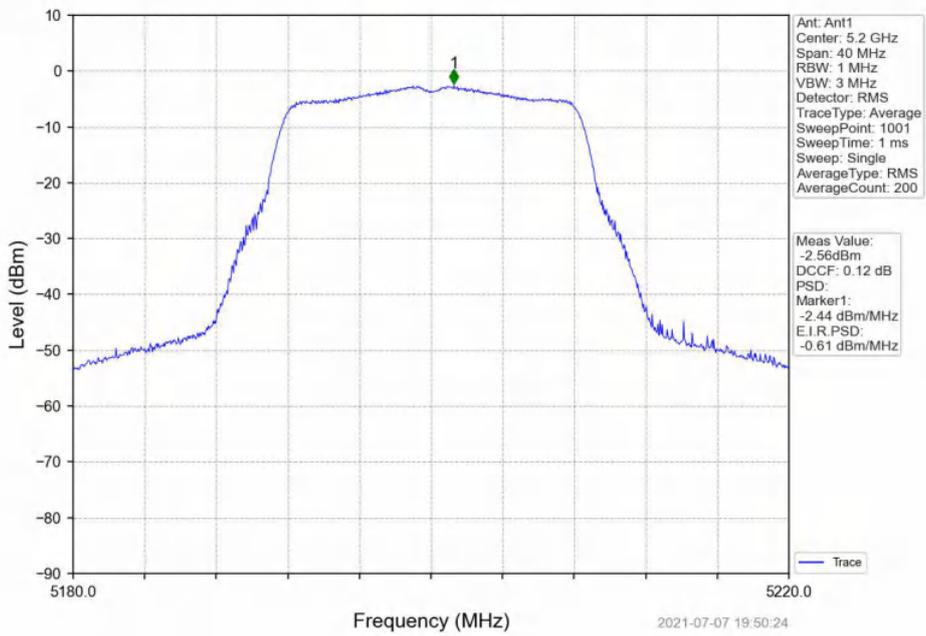


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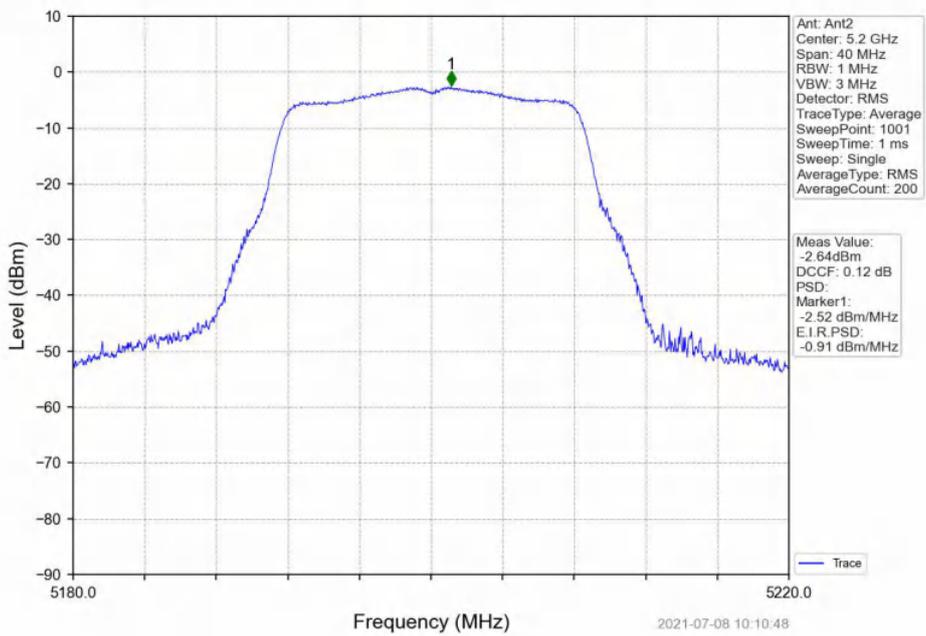
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV



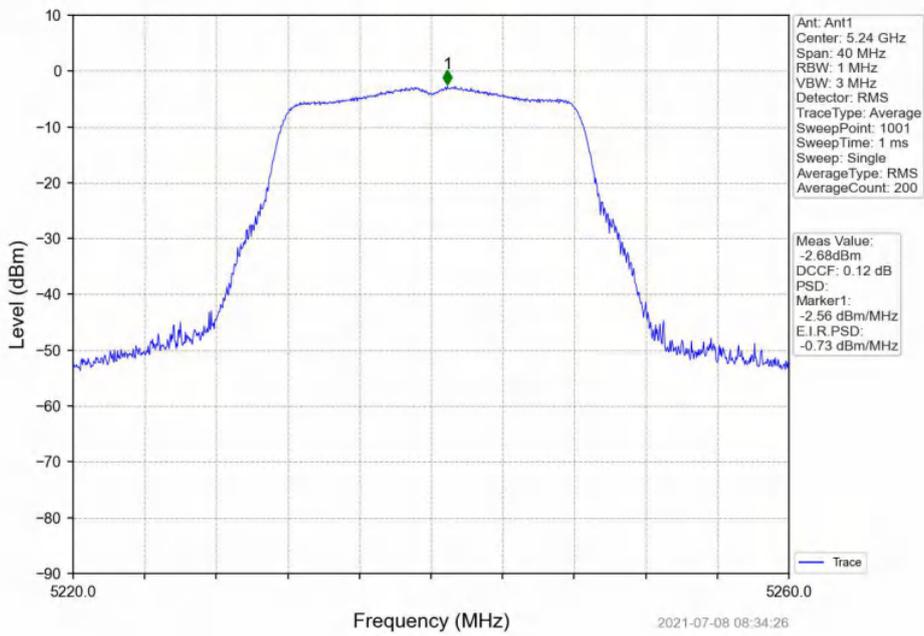
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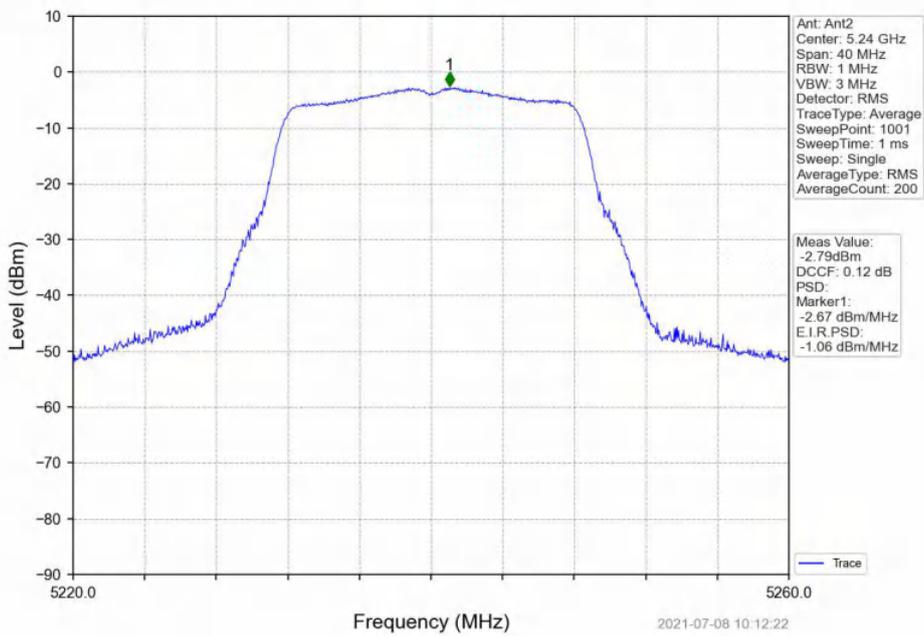
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



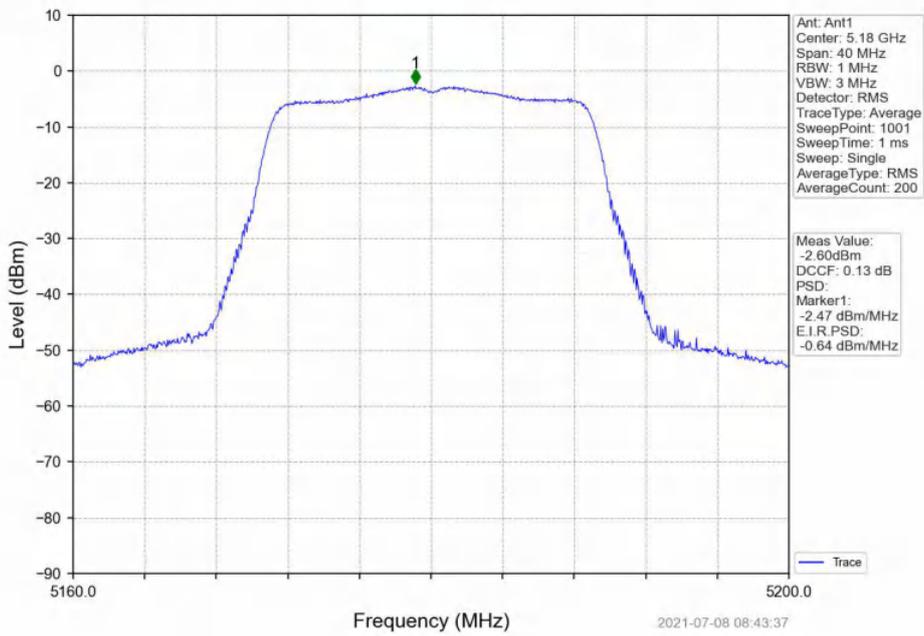
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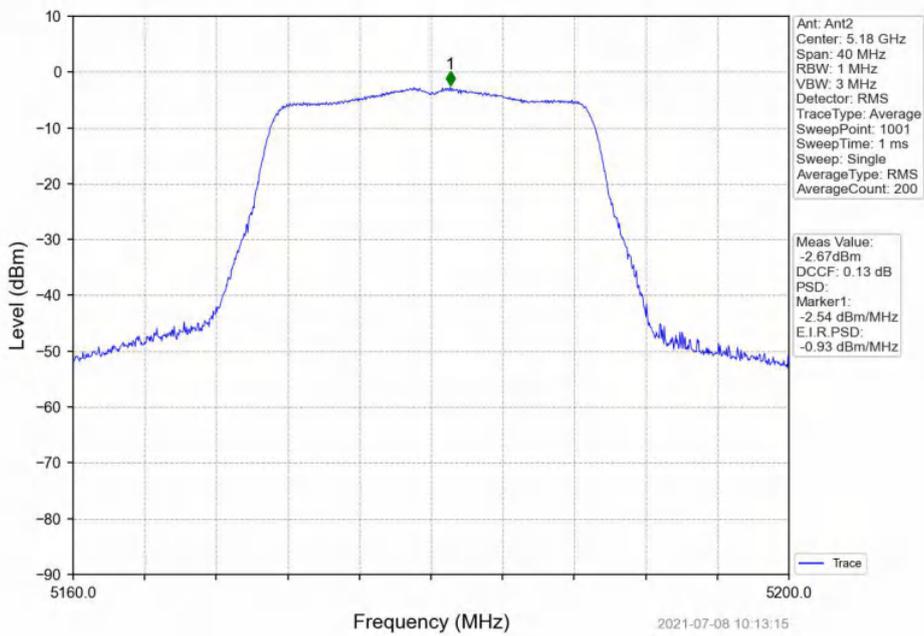
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



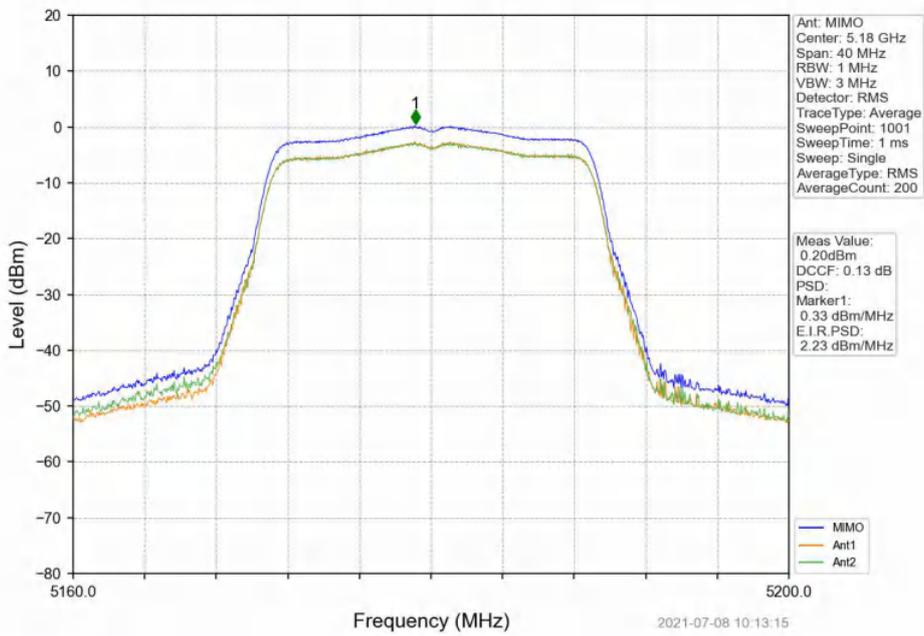
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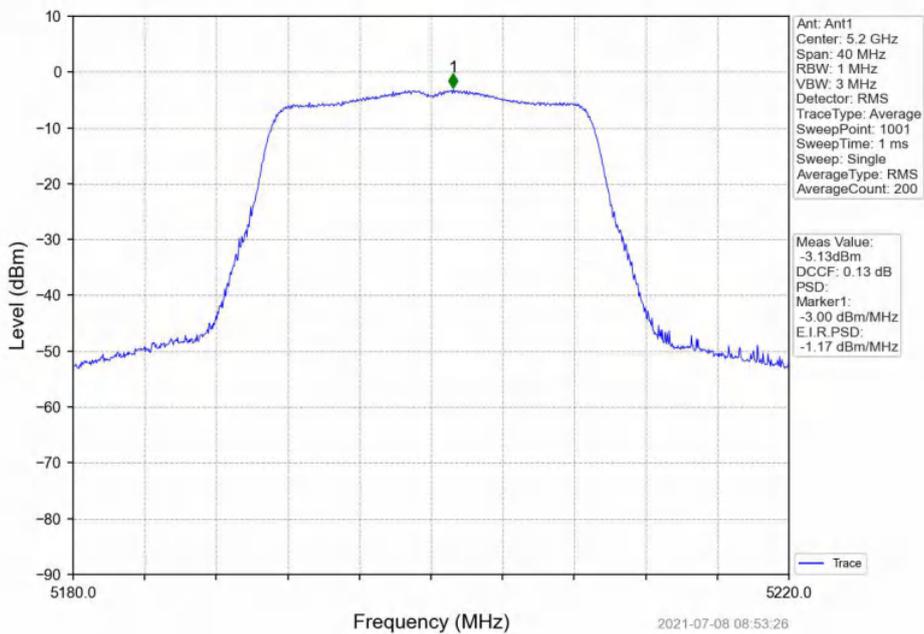
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802.11n(HT20)\_LCH\_5180MHz\_MIMO\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



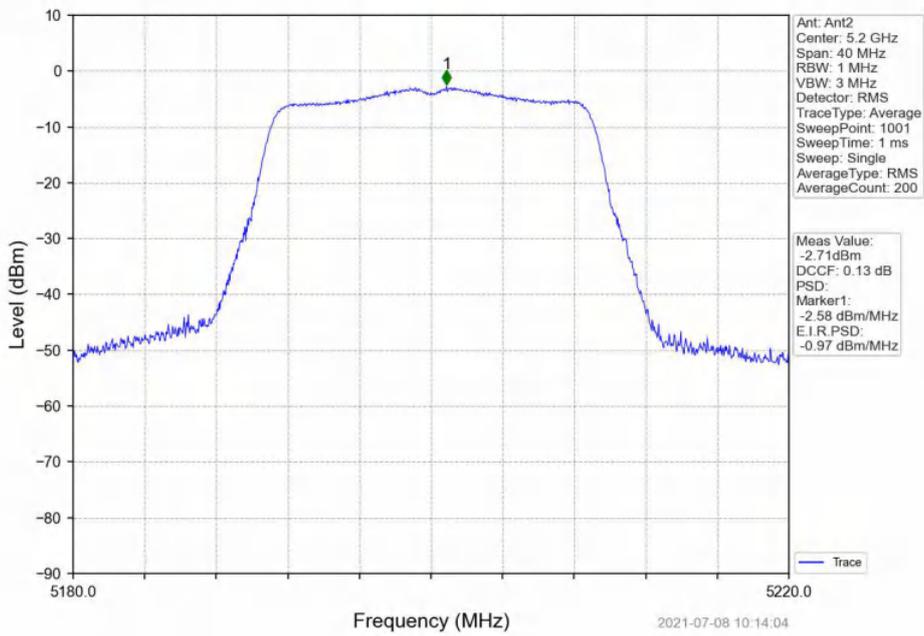
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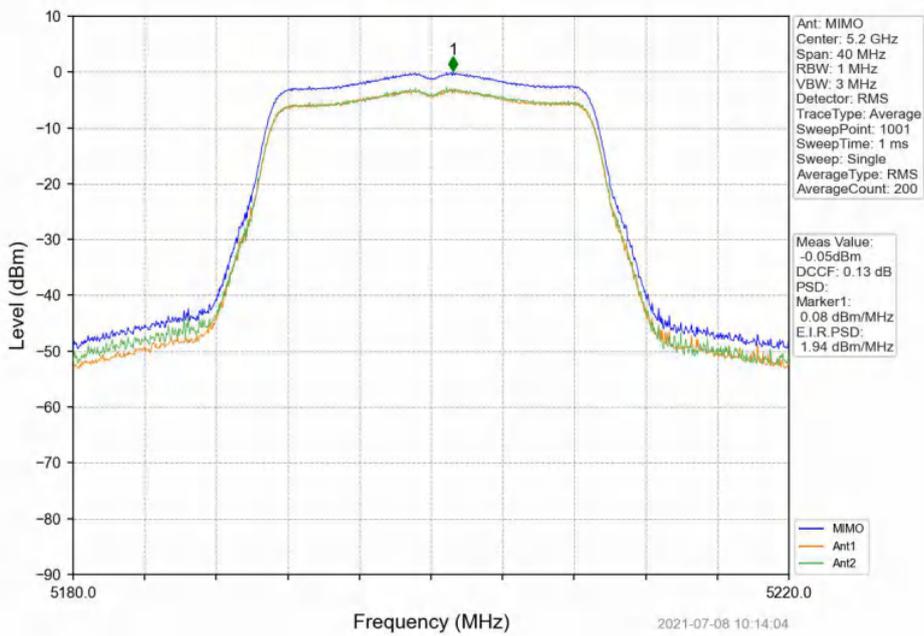
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802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_MIMO\_NTNV



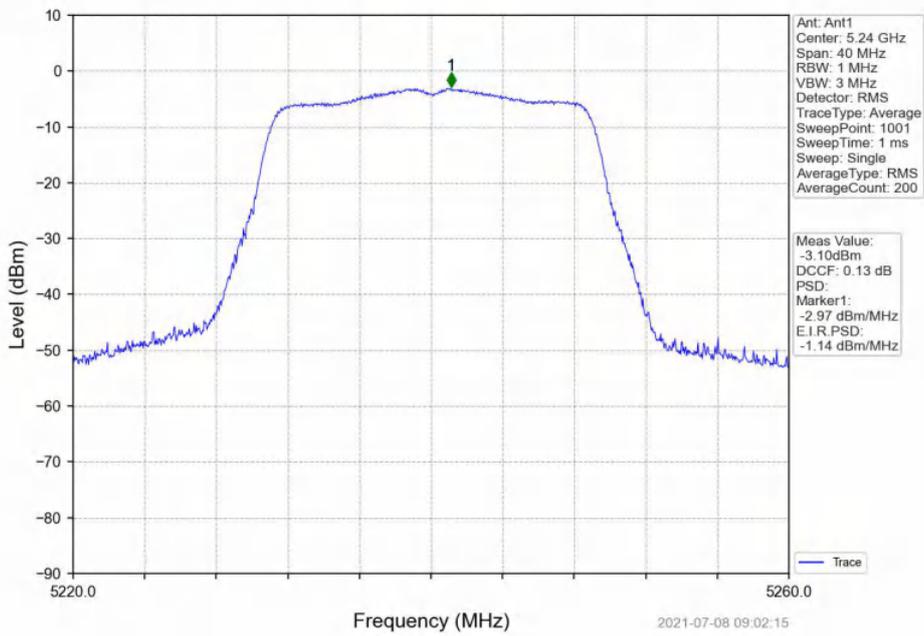
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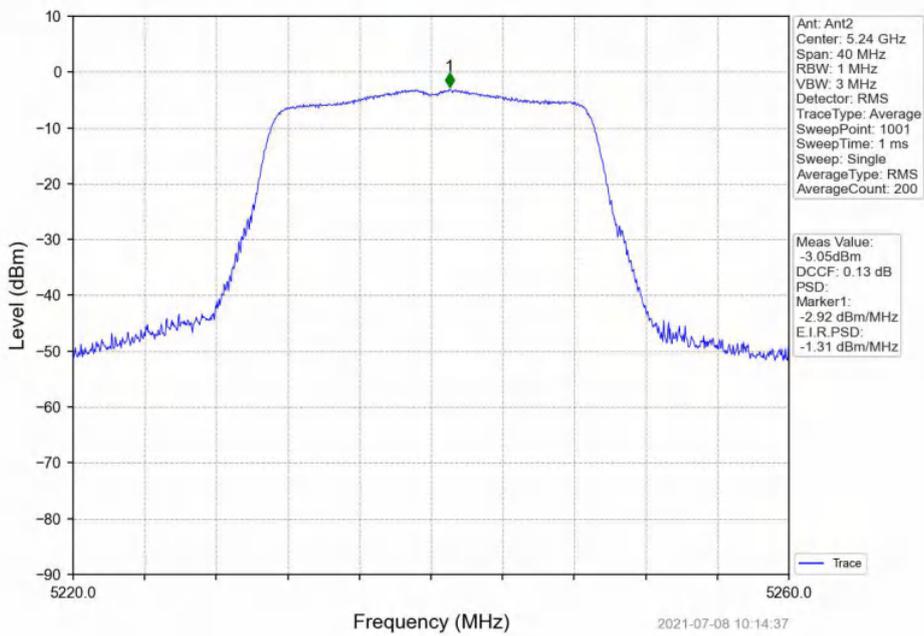
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV

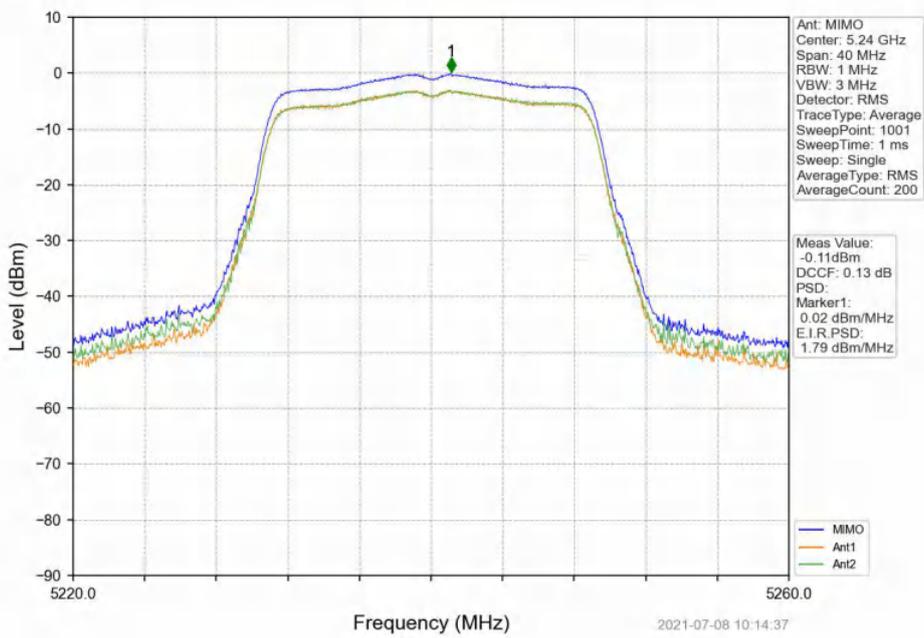


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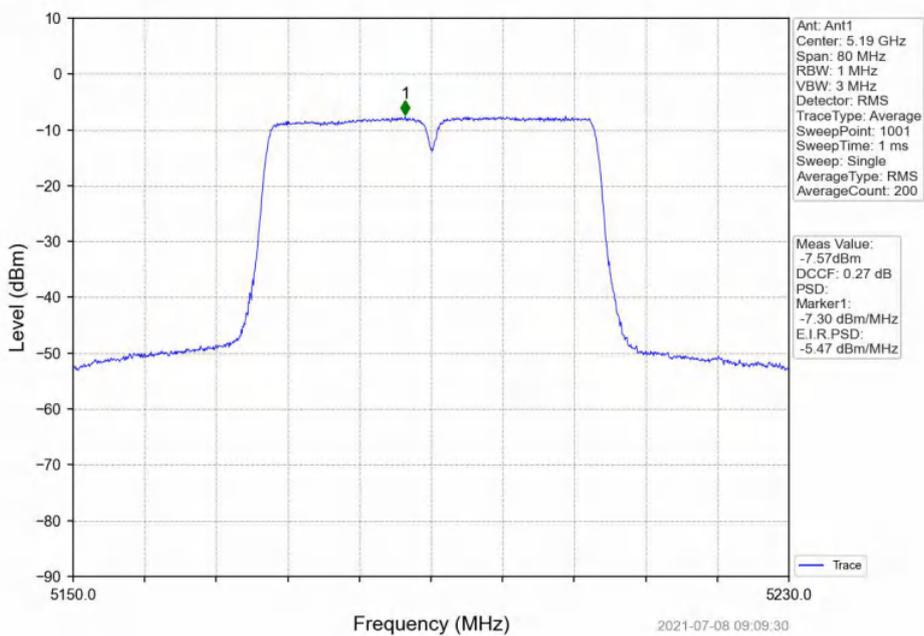
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### 802.11n(HT20)\_HCH\_5240MHz\_MIMO\_NTNV



### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



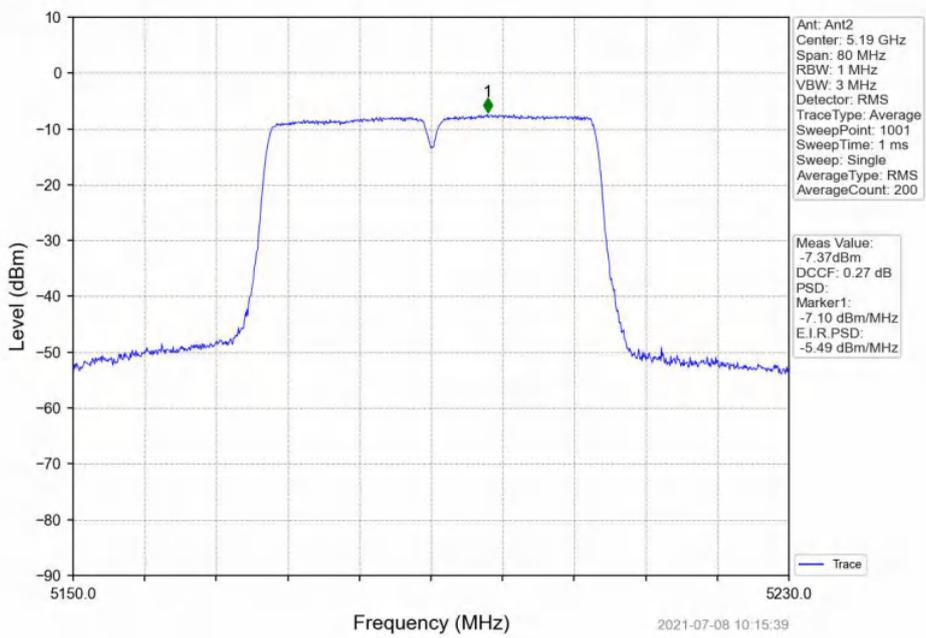
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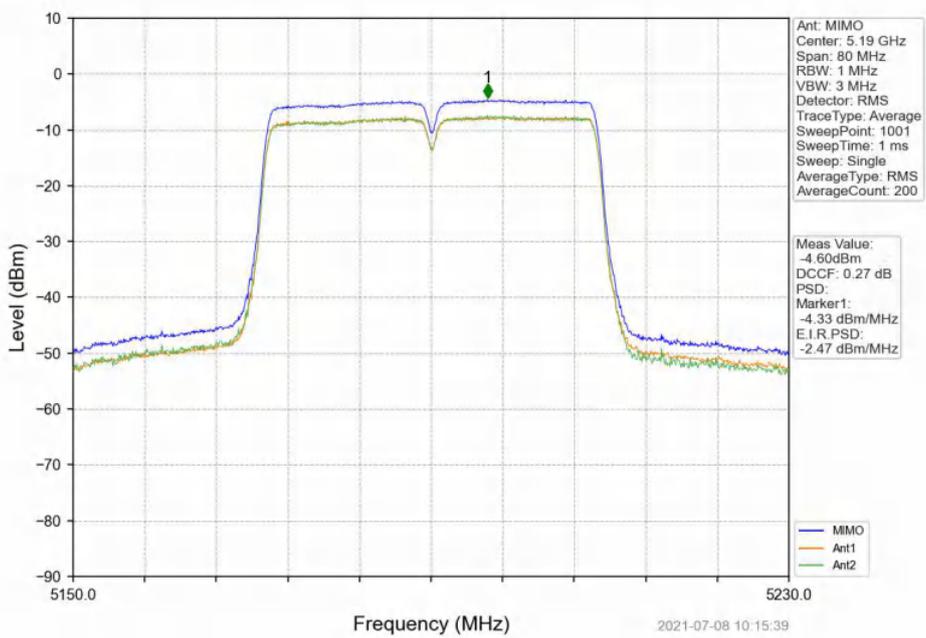
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### 802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



### 802.11n(HT40)\_LCH\_5190MHz\_MIMO\_NTNV



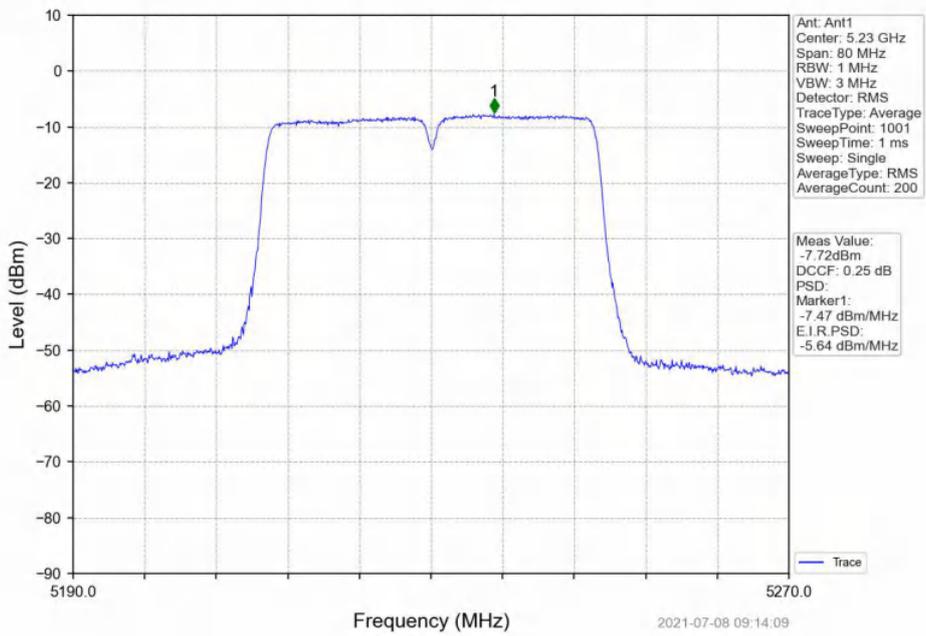
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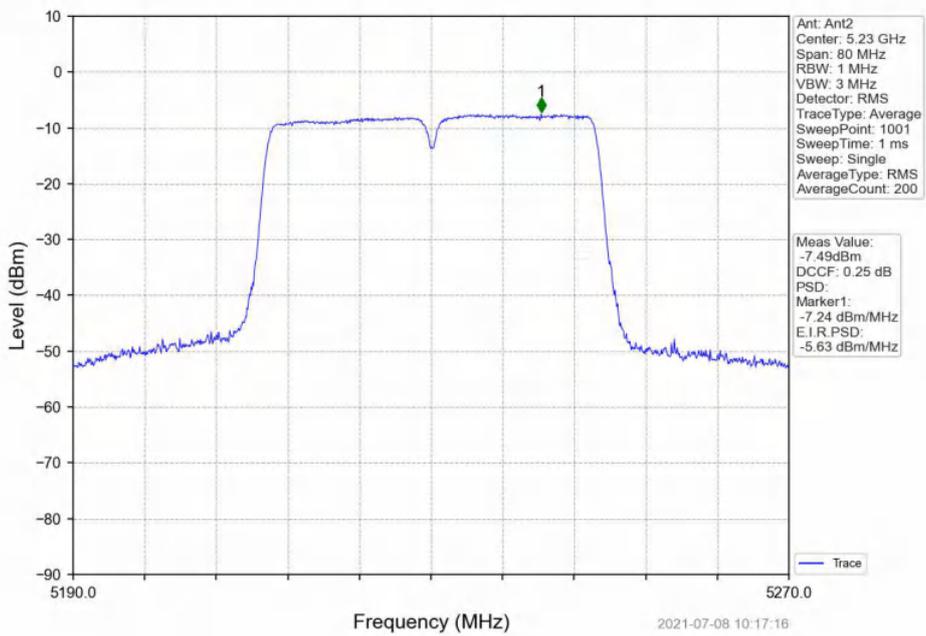
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV



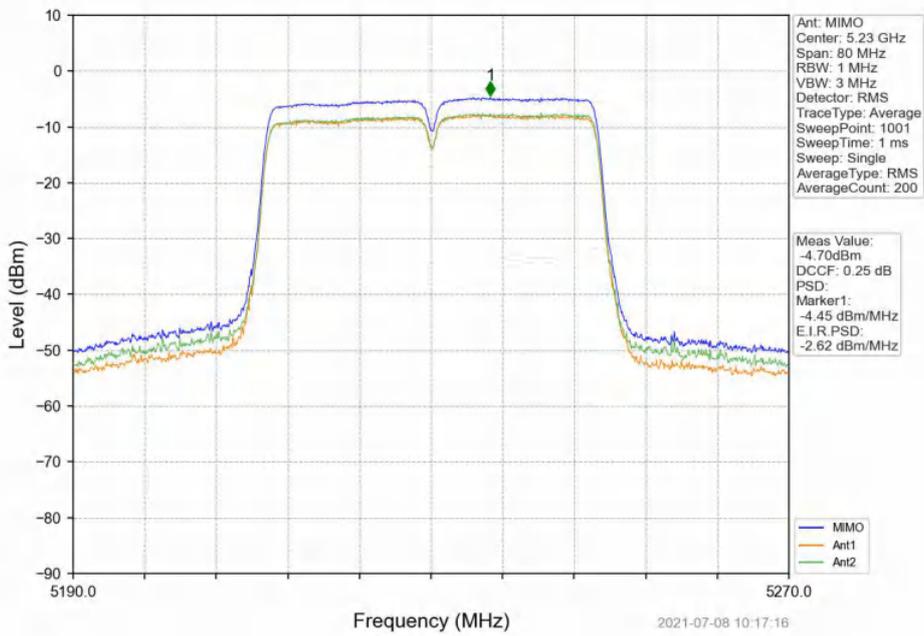
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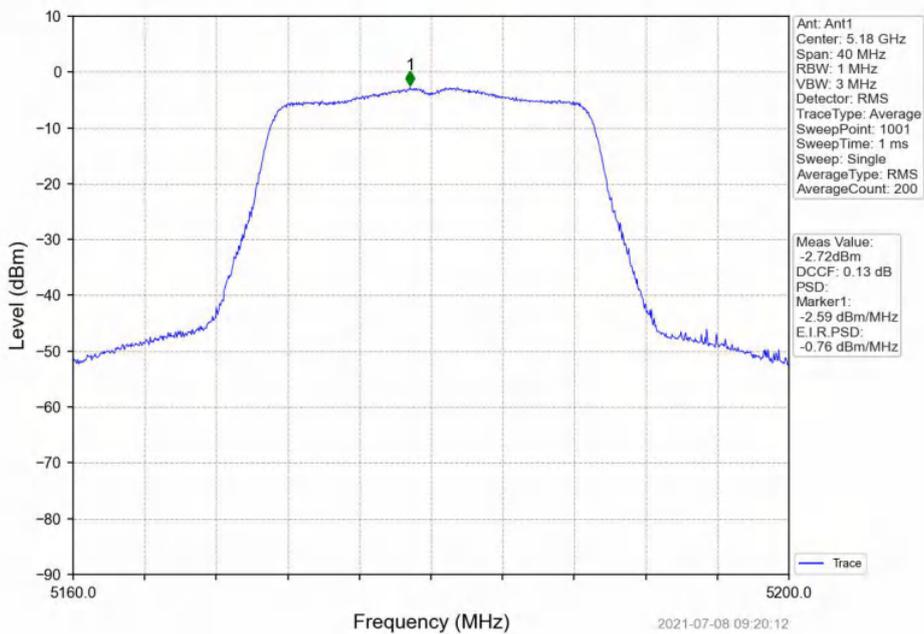
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV

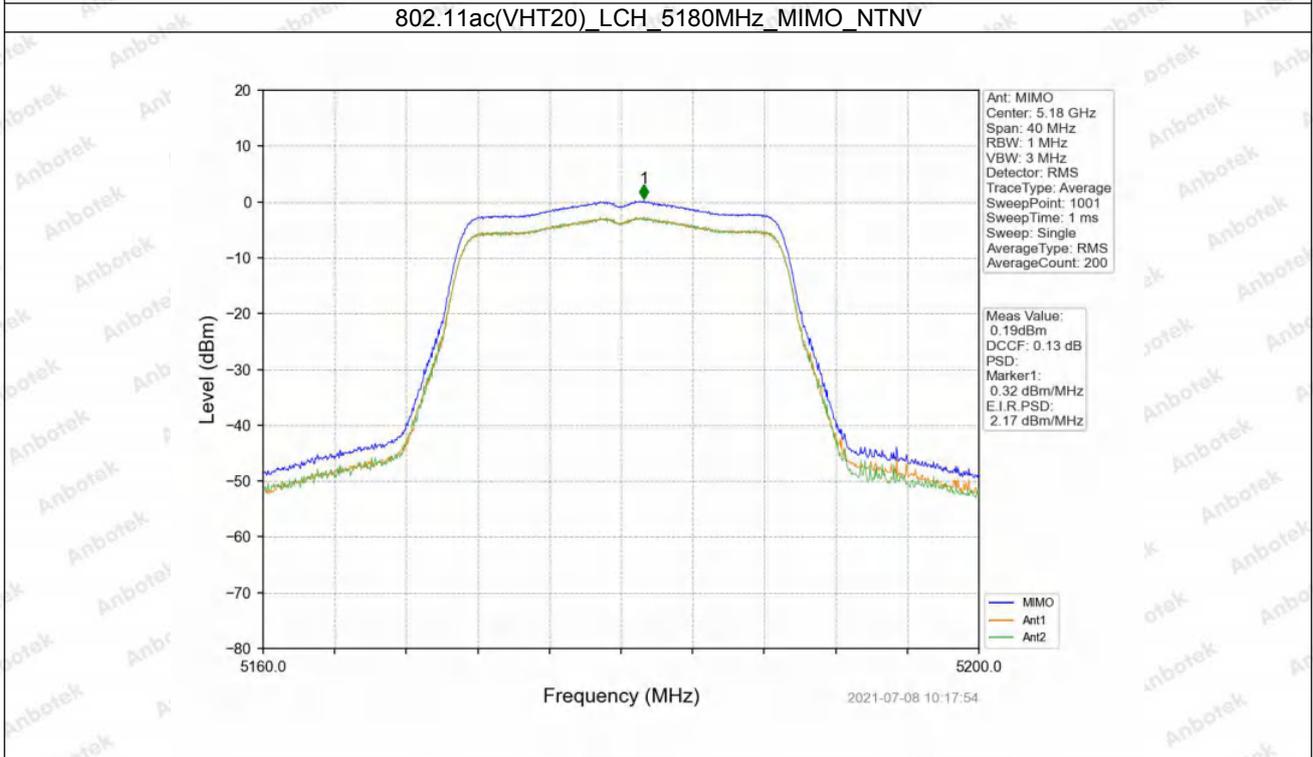
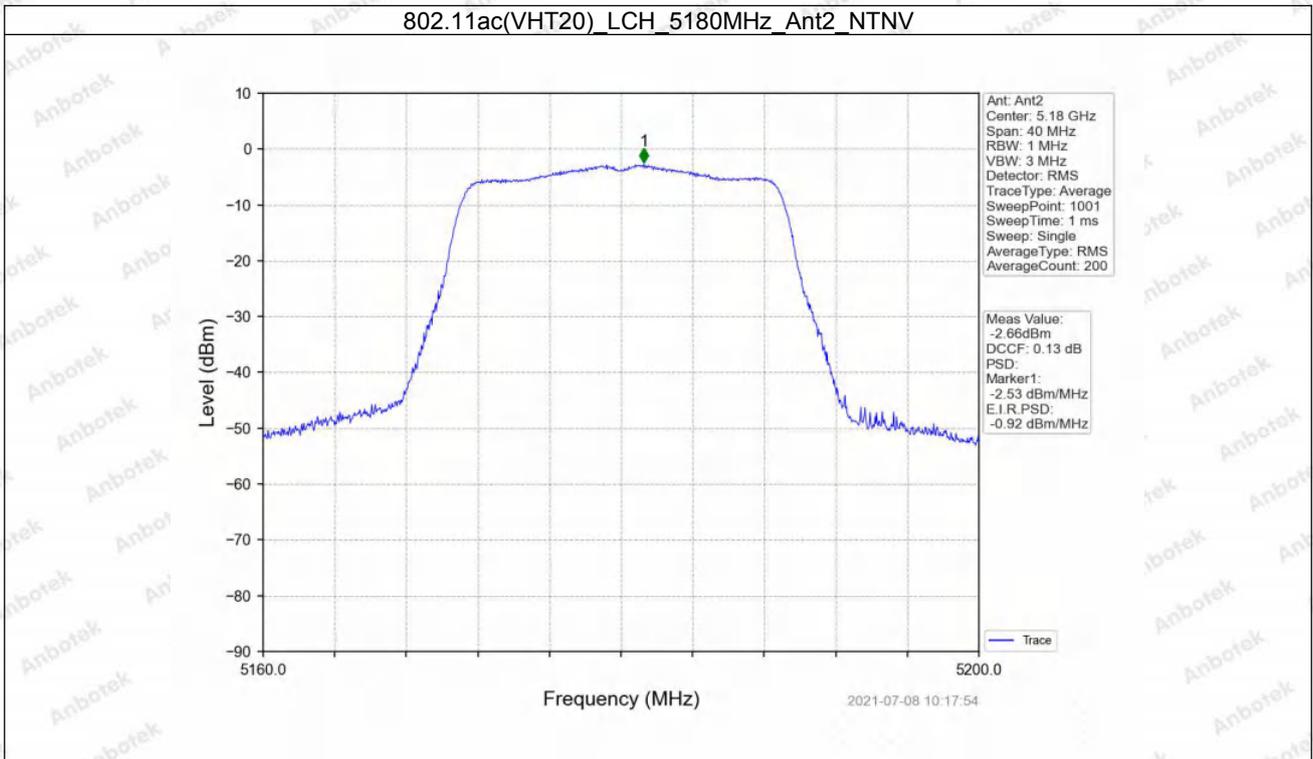


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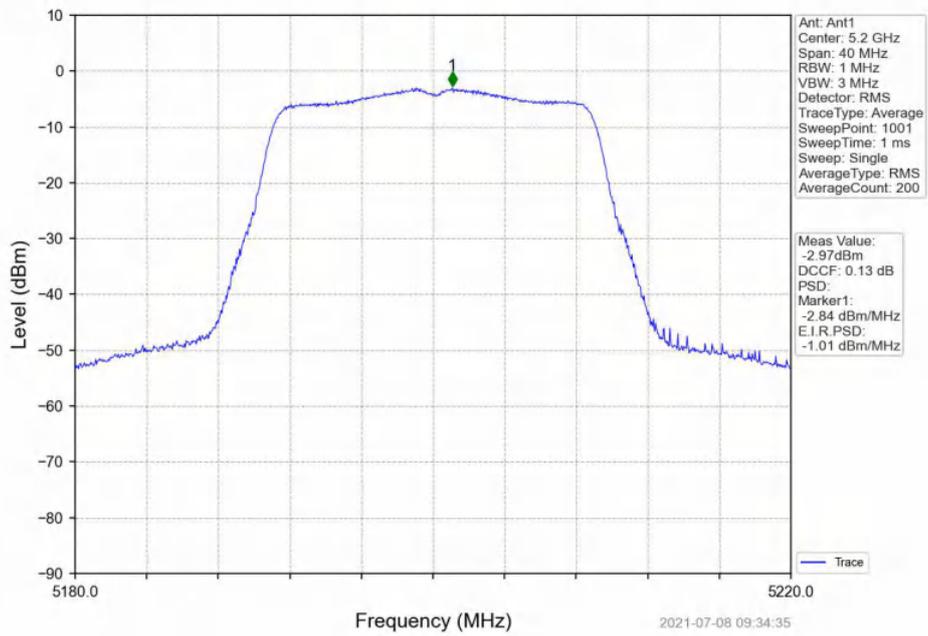


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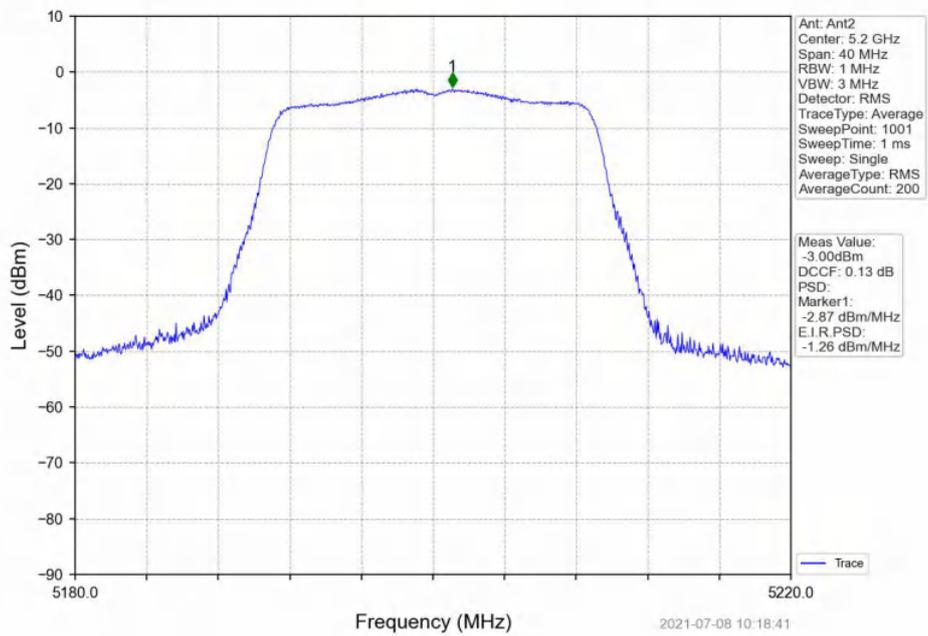
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV

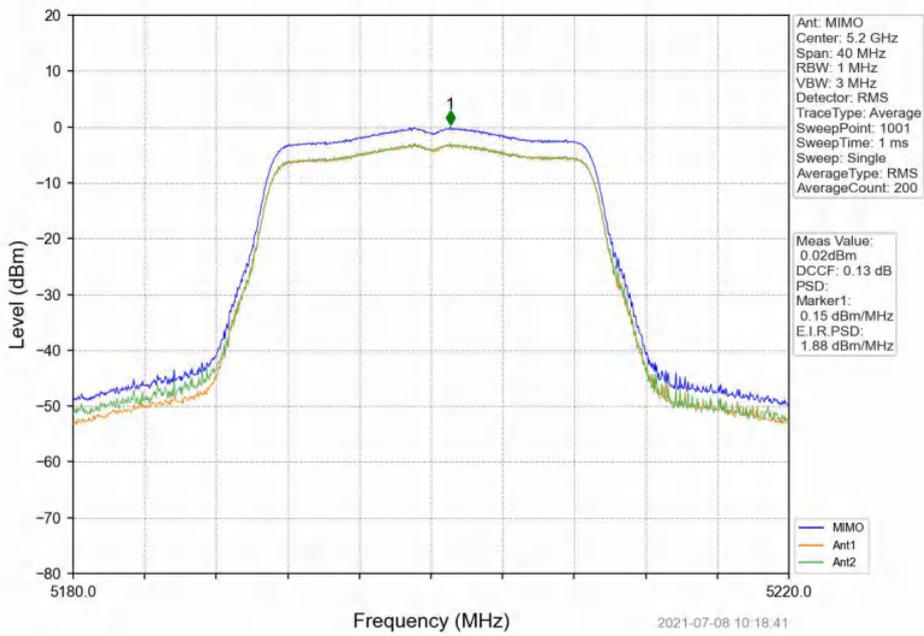


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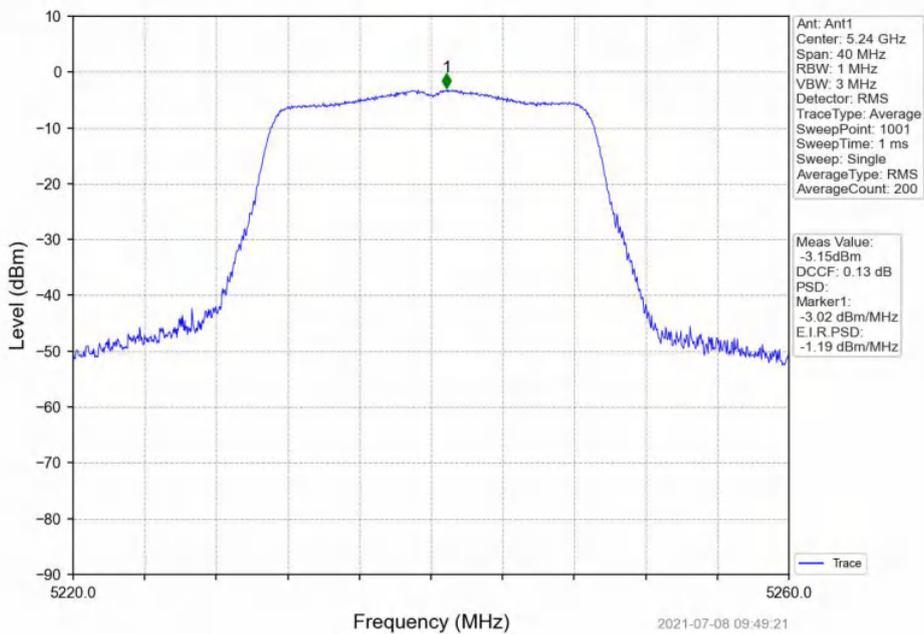
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802.11ac(VHT20)\_MCH\_5200MHz\_MIMO\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



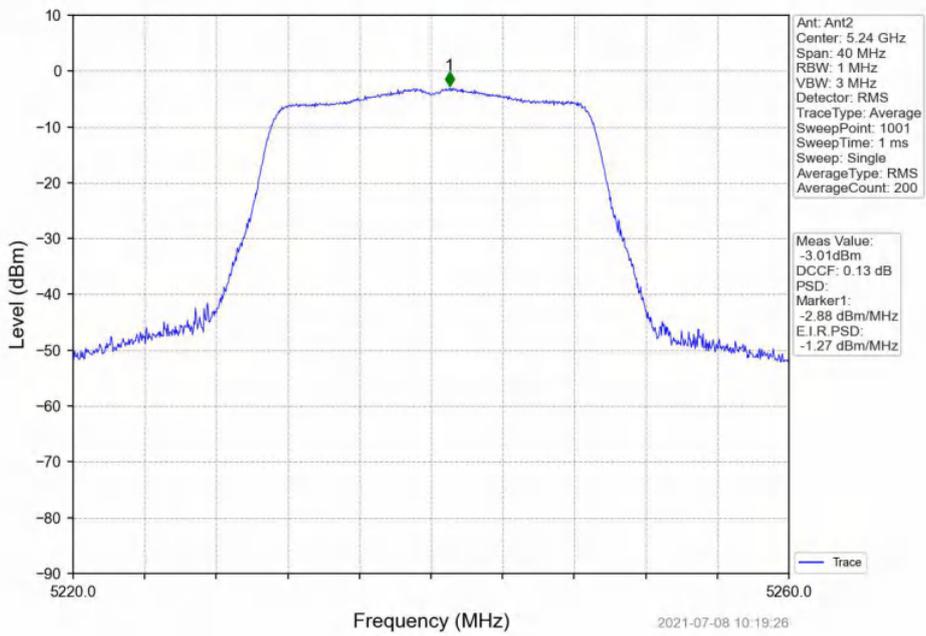
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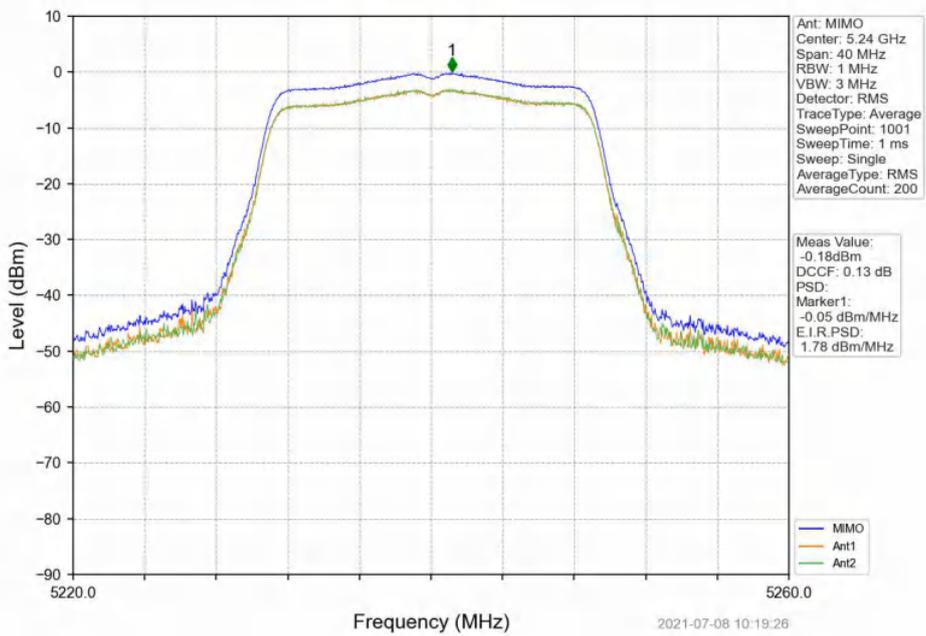
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_MIMO\_NTNV



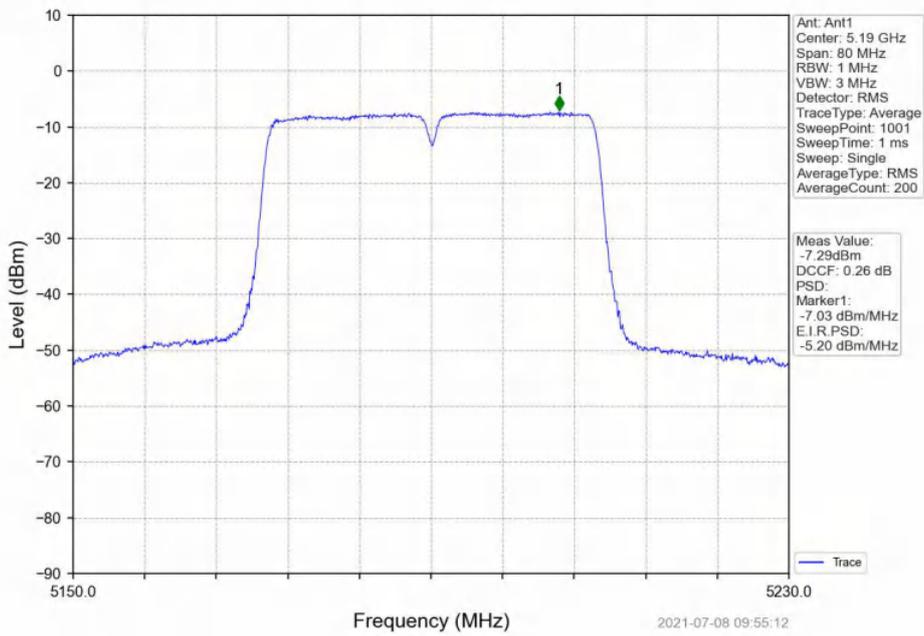
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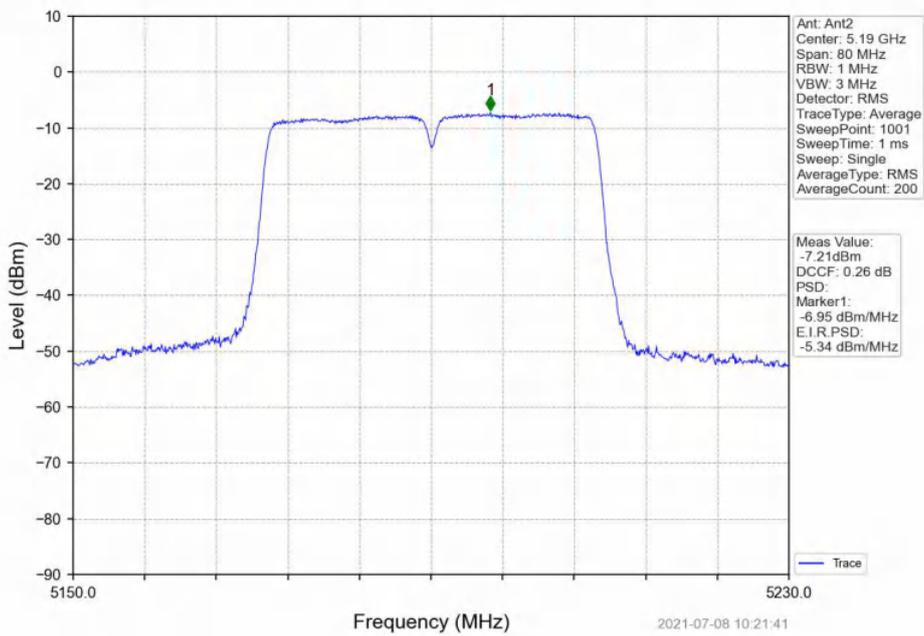
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



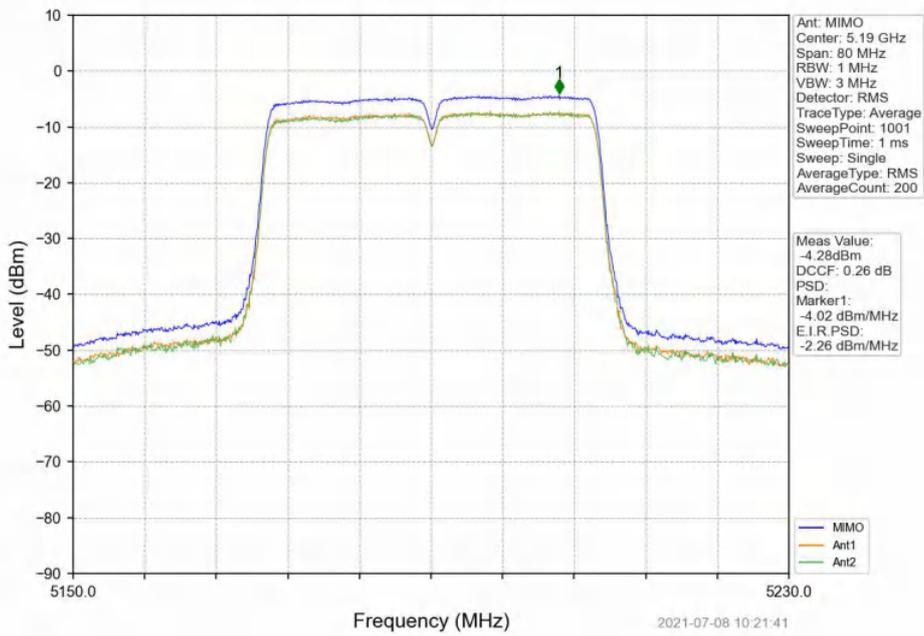
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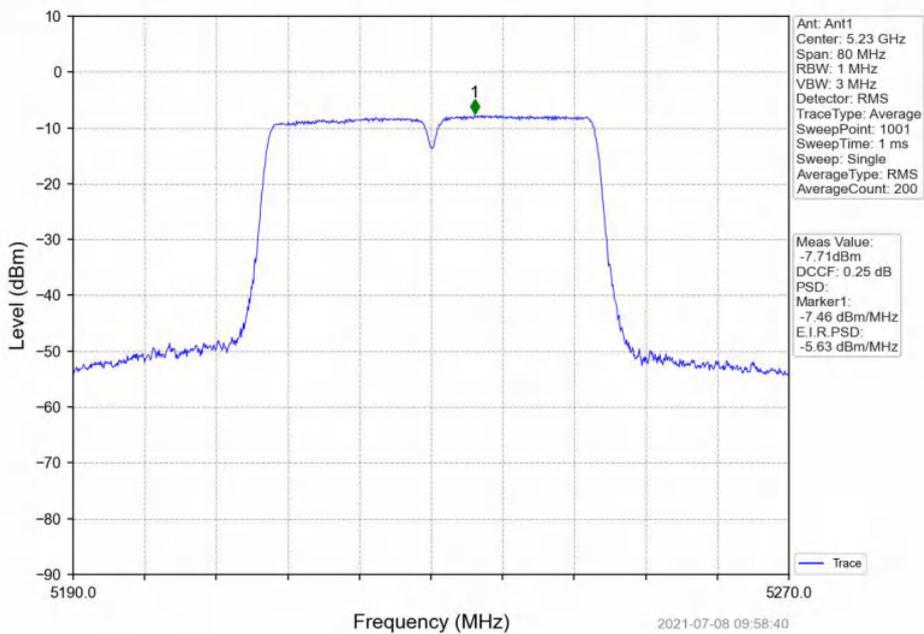
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802.11ac(VHT40)\_LCH\_5190MHz\_MIMO\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



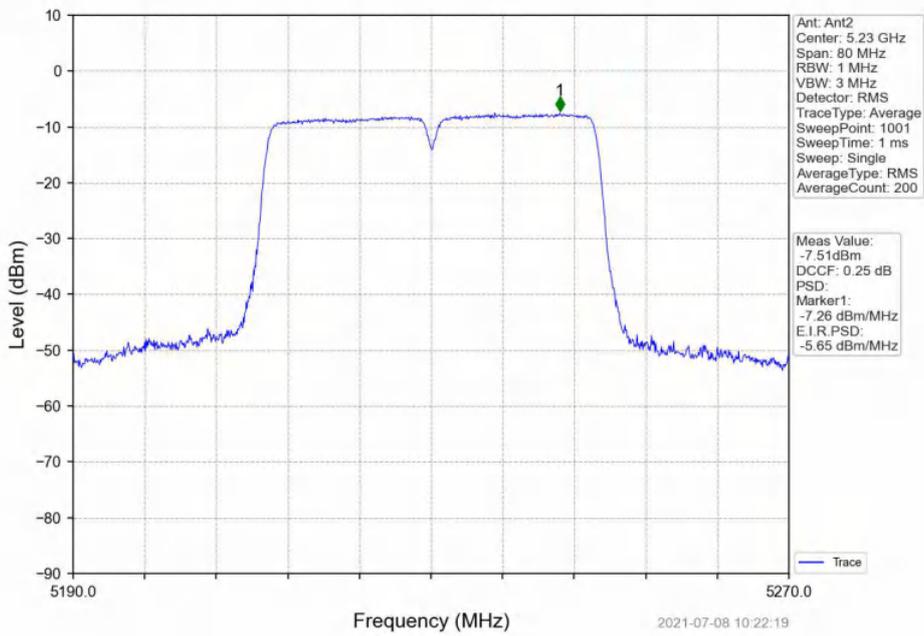
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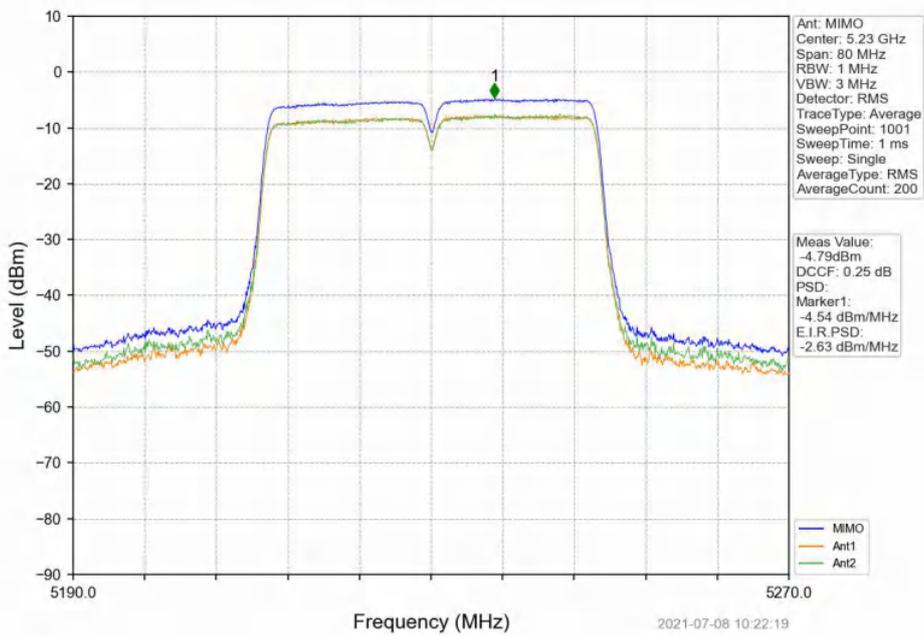
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_MIMO\_NTNV



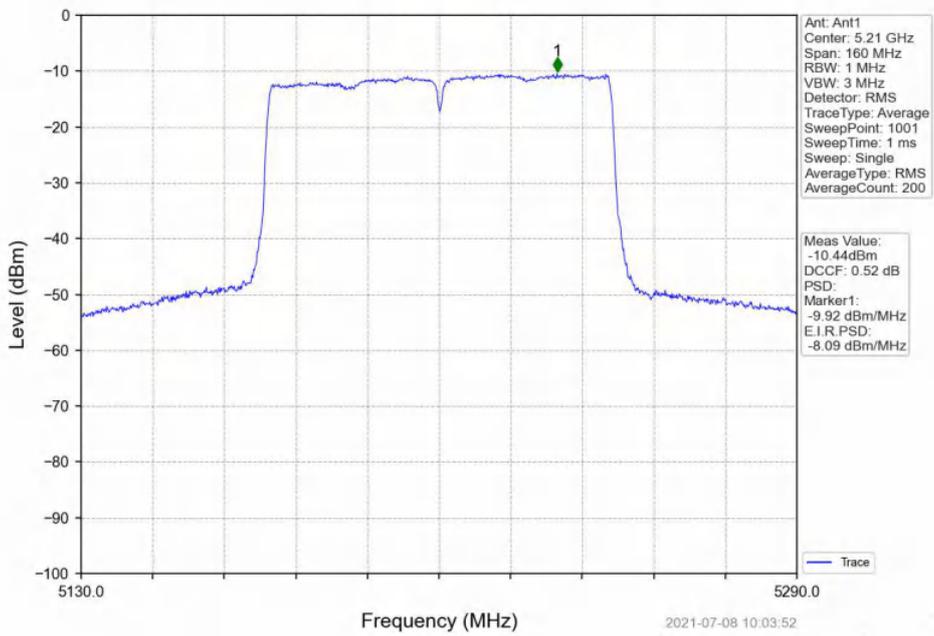
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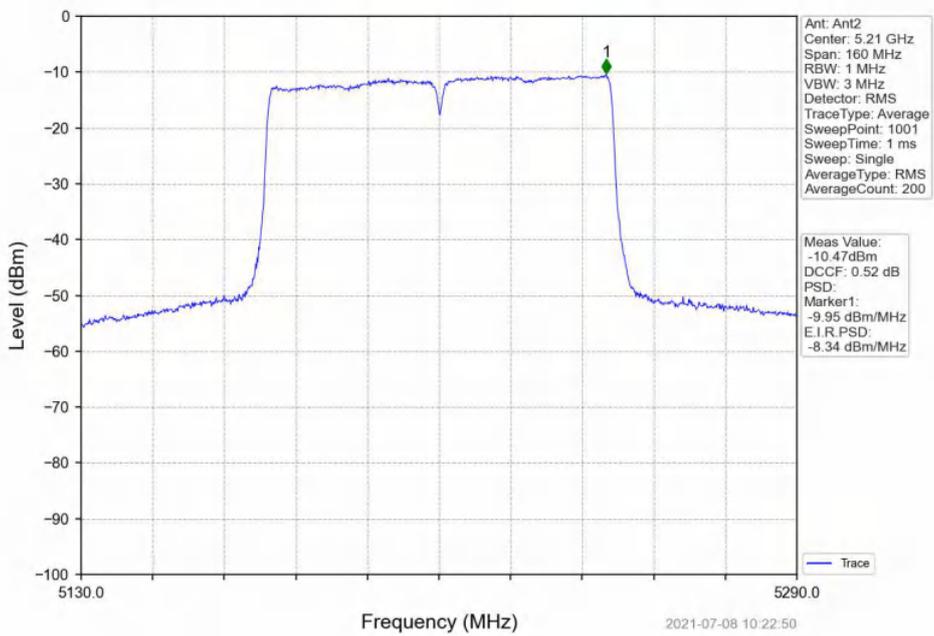
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV

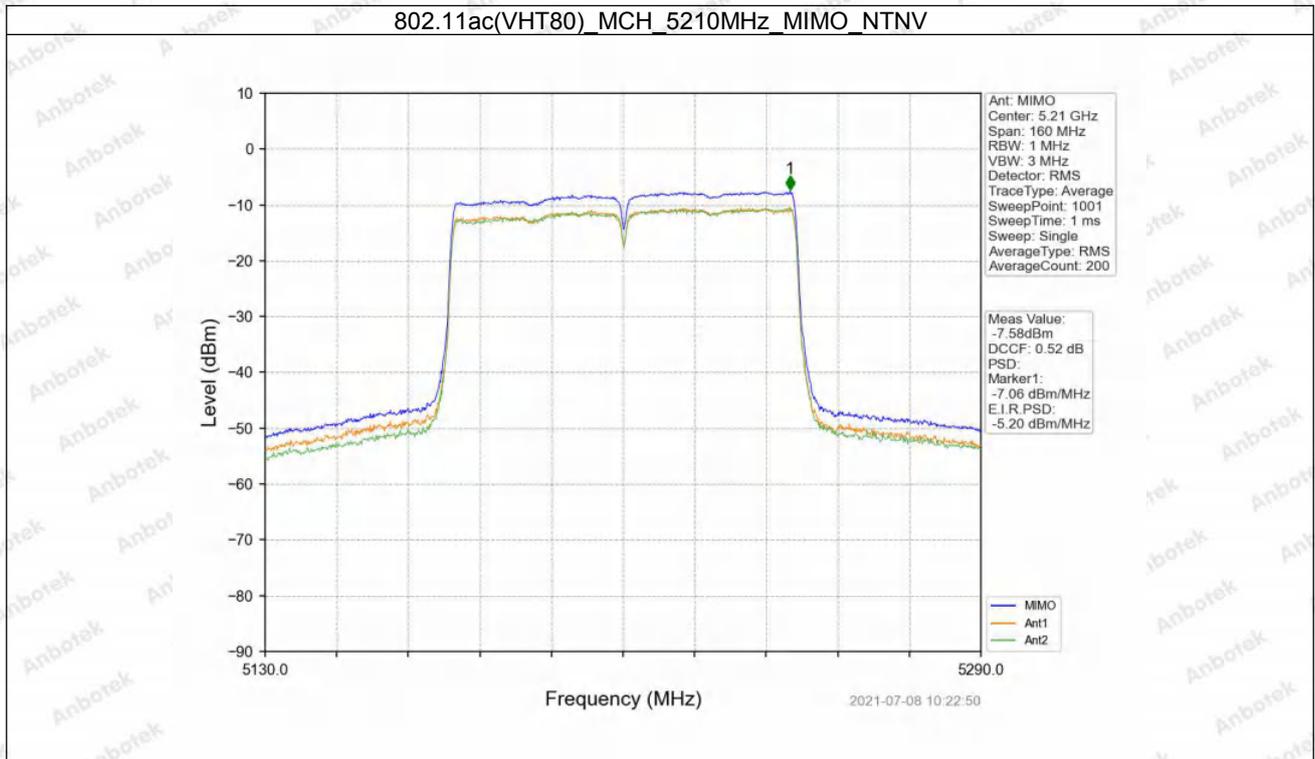


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## 5. Frequency Stability

### 5.1 Ant1

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1		Limit	Verdict	
				Voltage (VAC)	Measured Frequency (MHz)			
802.11a	SISO	5180	20	102	5180.080	5172 to 5188	Pass	
				120	5180.120	5172 to 5188	Pass	
				138	5180.100	5172 to 5188	Pass	
			-30	120	5180.120	5172 to 5188	Pass	
				-20	120	5180.040	5150 to 5250	Pass
					120	5180.080	5150 to 5250	Pass
			-10	120	5180.100	5150 to 5250	Pass	
				0	120	5180.100	5150 to 5250	Pass
			10	120	5180.100	5150 to 5250	Pass	
				30	120	5180.080	5150 to 5250	Pass
		40	120	5180.080	5150 to 5250	Pass		
			50	120	5180.020	5172 to 5188	Pass	
		5200	20	102	5200.080	5192 to 5208	Pass	
				120	5200.100	5192 to 5208	Pass	
				138	5200.080	5192 to 5208	Pass	
			-30	120	5200.080	5192 to 5208	Pass	
				-20	120	5200.080	5150 to 5250	Pass
					120	5200.080	5150 to 5250	Pass
			-10	120	5200.080	5150 to 5250	Pass	
				0	120	5200.080	5150 to 5250	Pass
			10	120	5200.100	5150 to 5250	Pass	
				30	120	5200.040	5150 to 5250	Pass
		40	120	5200.080	5150 to 5250	Pass		
			50	120	5200.140	5192 to 5208	Pass	
		5240	20	102	5240.080	5232 to 5248	Pass	
				120	5240.120	5232 to 5248	Pass	
				138	5240.080	5232 to 5248	Pass	
			-30	120	5240.080	5232 to 5248	Pass	
				-20	120	5240.080	5150 to 5250	Pass
					120	5240.080	5150 to 5250	Pass
-10	120		5240.080	5150 to 5250	Pass			
	0		120	5240.040	5150 to 5250	Pass		
10	120		5240.080	5150 to 5250	Pass			
	30		120	5240.080	5150 to 5250	Pass		
40	120	5240.000	5150 to 5250	Pass				
	50	120	5240.080	5232 to 5248	Pass			
802.11n (HT20)	MIMO	5180	20	102	5180.080	5172 to 5188	Pass	
				120	5180.060	5172 to 5188	Pass	
				138	5180.100	5172 to 5188	Pass	
			-30	120	5180.100	5172 to 5188	Pass	
				-20	120	5180.100	5150 to 5250	Pass
					120	5180.080	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass	
				0	120	5180.020	5150 to 5250	Pass
			10	120	5180.080	5150 to 5250	Pass	
				30	120	5180.120	5150 to 5250	Pass
		40	120	5180.060	5150 to 5250	Pass		
			50	120	5180.120	5172 to 5188	Pass	
		5200	20	102	5200.120	5192 to 5208	Pass	
				120	5200.060	5192 to 5208	Pass	
				138	5200.100	5192 to 5208	Pass	
			-30	120	5200.100	5192 to 5208	Pass	
				-20	120	5200.100	5150 to 5250	Pass
					120	5200.100	5150 to 5250	Pass

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			-10	120	5200.100	5150 to 5250	Pass			
			0	120	5200.080	5150 to 5250	Pass			
			10	120	5200.120	5150 to 5250	Pass			
			30	120	5200.080	5150 to 5250	Pass			
			40	120	5200.060	5150 to 5250	Pass			
			50	120	5200.060	5192 to 5208	Pass			
		5240	20	102	5240.100	5232 to 5248	Pass			
				120	5240.060	5232 to 5248	Pass			
				138	5240.020	5232 to 5248	Pass			
			-30	120	5240.060	5232 to 5248	Pass			
			-20	120	5240.060	5150 to 5250	Pass			
			-10	120	5240.060	5150 to 5250	Pass			
			0	120	5240.100	5150 to 5250	Pass			
			10	120	5240.120	5150 to 5250	Pass			
			30	120	5240.080	5150 to 5250	Pass			
			40	120	5240.080	5150 to 5250	Pass			
			50	120	5240.060	5232 to 5248	Pass			
			802.11n (HT40)	MIMO	5190	20	102	5190.160	5174 to 5206	Pass
							120	5190.160	5174 to 5206	Pass
138	5190.160	5174 to 5206					Pass			
-30	120	5190.160				5174 to 5206	Pass			
-20	120	5190.160				5150 to 5250	Pass			
-10	120	5190.120				5150 to 5250	Pass			
0	120	5190.120				5150 to 5250	Pass			
10	120	5190.120				5150 to 5250	Pass			
30	120	5190.160				5150 to 5250	Pass			
5230	20	102			5230.120	5214 to 5246	Pass			
		120			5230.200	5214 to 5246	Pass			
		138			5230.160	5214 to 5246	Pass			
	-30	120			5230.160	5214 to 5246	Pass			
	-20	120			5230.160	5150 to 5250	Pass			
	-10	120			5230.160	5150 to 5250	Pass			
	0	120			5230.120	5150 to 5250	Pass			
	10	120			5230.160	5150 to 5250	Pass			
	30	120			5230.120	5150 to 5250	Pass			
	40	120			5230.120	5150 to 5250	Pass			
50	120	5230.160	5214 to 5246	Pass						
802.11ac (VHT20)	MIMO	5180	20	102	5180.100	5172 to 5188	Pass			
				120	5180.120	5172 to 5188	Pass			
				138	5180.080	5172 to 5188	Pass			
			-30	120	5180.060	5172 to 5188	Pass			
			-20	120	5180.060	5150 to 5250	Pass			
			-10	120	5180.120	5150 to 5250	Pass			
			0	120	5180.080	5150 to 5250	Pass			
			10	120	5180.060	5150 to 5250	Pass			
			30	120	5180.120	5150 to 5250	Pass			
		40	120	5180.080	5150 to 5250	Pass				
		50	120	5180.060	5172 to 5188	Pass				
		5200	20	102	5200.100	5192 to 5208	Pass			
				120	5200.060	5192 to 5208	Pass			
				138	5200.080	5192 to 5208	Pass			
			-30	120	5200.120	5192 to 5208	Pass			
			-20	120	5200.060	5150 to 5250	Pass			
			-10	120	5200.080	5150 to 5250	Pass			
			0	120	5200.100	5150 to 5250	Pass			
			10	120	5200.080	5150 to 5250	Pass			
30	120		5200.060	5150 to 5250	Pass					
40	120		5200.080	5150 to 5250	Pass					
50	120	5200.040	5192 to 5208	Pass						

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		5240	20	102	5240.140	5232 to 5248	Pass					
				120	5240.060	5232 to 5248	Pass					
				138	5240.080	5232 to 5248	Pass					
						-30	120	5240.100	5232 to 5248	Pass		
							-20	120	5240.080	5150 to 5250	Pass	
						120		5240.020	5150 to 5250	Pass		
						120		5240.060	5150 to 5250	Pass		
						120		5240.060	5150 to 5250	Pass		
						120		5240.080	5150 to 5250	Pass		
						120	5240.080	5150 to 5250	Pass			
802.11ac (VHT40)	MIMO	5190	20	102	5190.120	5174 to 5206	Pass					
				120	5190.120	5174 to 5206	Pass					
				138	5190.080	5174 to 5206	Pass					
						-30	120	5190.160	5174 to 5206	Pass		
							-20	120	5190.200	5150 to 5250	Pass	
						120		5190.120	5150 to 5250	Pass		
						120		5190.160	5150 to 5250	Pass		
						120		5190.160	5150 to 5250	Pass		
						120		5190.160	5150 to 5250	Pass		
						120	5190.200	5174 to 5206	Pass			
		5230			20	102	5230.160	5214 to 5246	Pass			
						120	5230.080	5214 to 5246	Pass			
						138	5230.160	5214 to 5246	Pass			
								-30	120	5230.120	5214 to 5246	Pass
									-20	120	5230.160	5150 to 5250
								120		5230.200	5150 to 5250	Pass
								120		5230.160	5150 to 5250	Pass
								120		5230.160	5150 to 5250	Pass
								120		5230.120	5150 to 5250	Pass
								120	5230.080	5150 to 5250	Pass	
120	5230.160	5214 to 5246	Pass									
802.11ac (VHT80)	MIMO	5210	20	102	5210.150	5178 to 5242	Pass					
				120	5210.150	5178 to 5242	Pass					
				138	5210.150	5178 to 5242	Pass					
						-30	120	5210.150	5178 to 5242	Pass		
							-20	120	5210.150	5150 to 5250	Pass	
						120		5210.225	5150 to 5250	Pass		
						120		5210.225	5150 to 5250	Pass		
						120		5210.225	5150 to 5250	Pass		
						120		5210.150	5150 to 5250	Pass		
						120	5210.225	5150 to 5250	Pass			
120	5210.150	5178 to 5242	Pass									

---End---