

## 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		

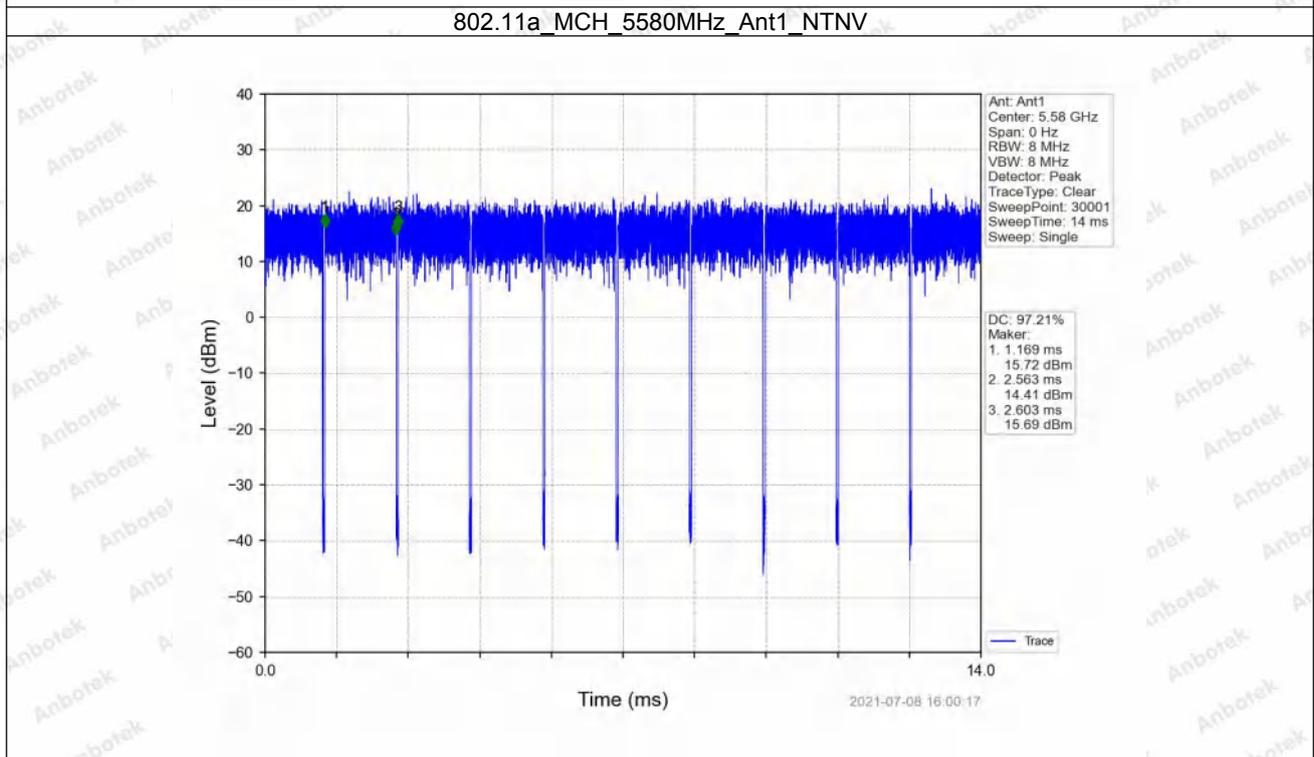
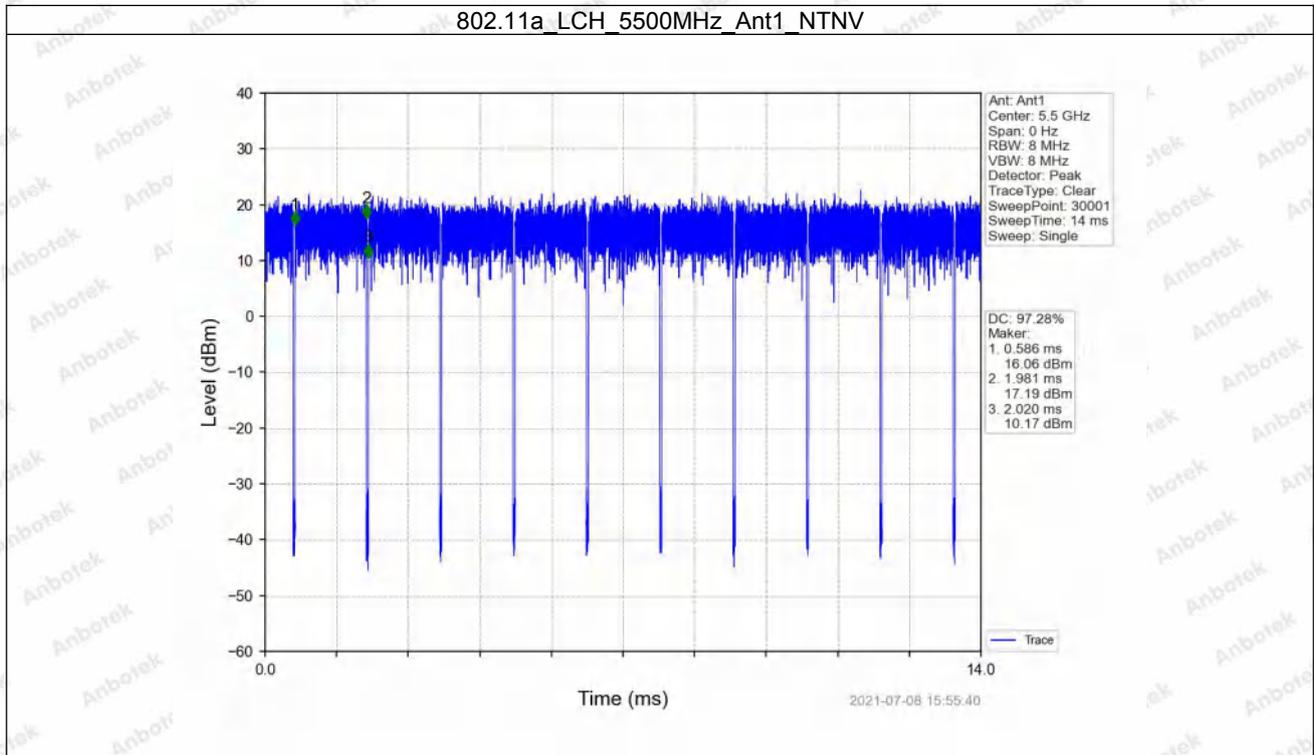
### 1. Duty Cycle

#### 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	5500	1.40	1.43	97.28	0.12	0.03
		5580	1.39	1.43	97.21	0.12	0.00
		5700	1.39	1.43	97.21	0.12	0.00
802.11n (HT20)	MIMO	5500	1.31	1.35	97.10	0.13	0.03
		5580	1.31	1.35	97.10	0.13	0.00
		5700	1.31	1.35	96.96	0.13	0.03
802.11n (HT40)	MIMO	5510	0.65	0.69	94.32	0.25	0.03
		5550	0.65	0.69	94.32	0.25	0.00
		5670	0.65	0.69	94.32	0.25	0.03
802.11ac (VHT20)	MIMO	5500	1.31	1.35	97.05	0.13	0.03
		5580	1.32	1.35	97.12	0.13	0.03
		5700	1.31	1.35	97.05	0.13	0.03
802.11ac (VHT40)	MIMO	5510	0.66	0.70	94.54	0.24	0.03
		5550	0.66	0.70	94.11	0.26	0.07
		5670	0.66	0.69	94.39	0.25	0.03
802.11ac (VHT80)	MIMO	5530	64.52	64.86	99.48	0.02	0.00

### 1.1.2 Test Graph

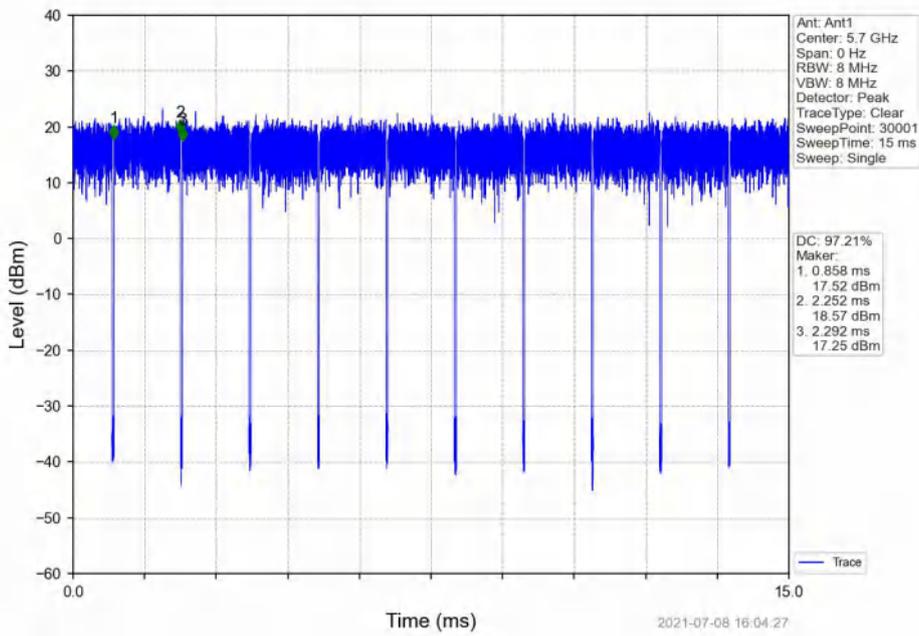


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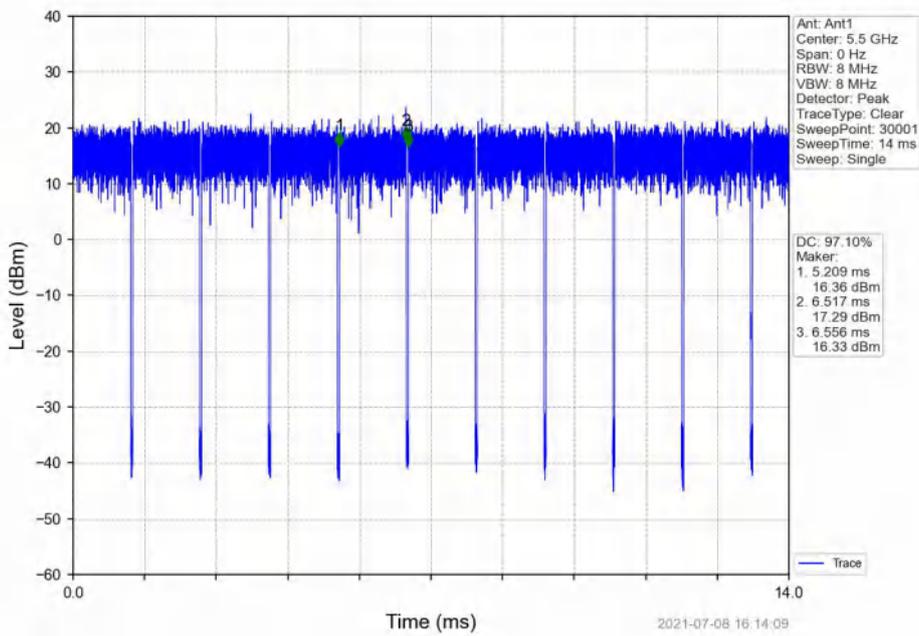
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



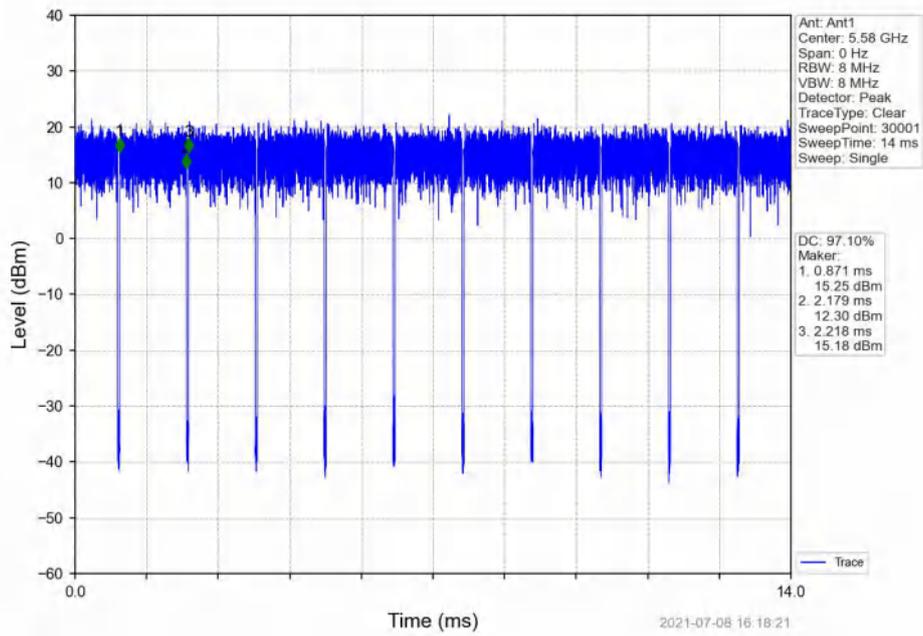
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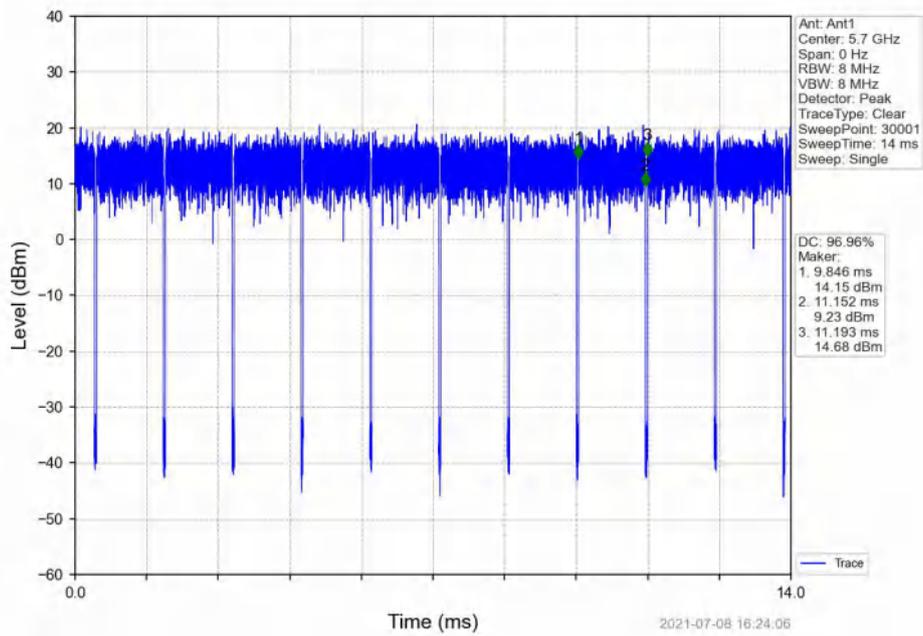
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802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



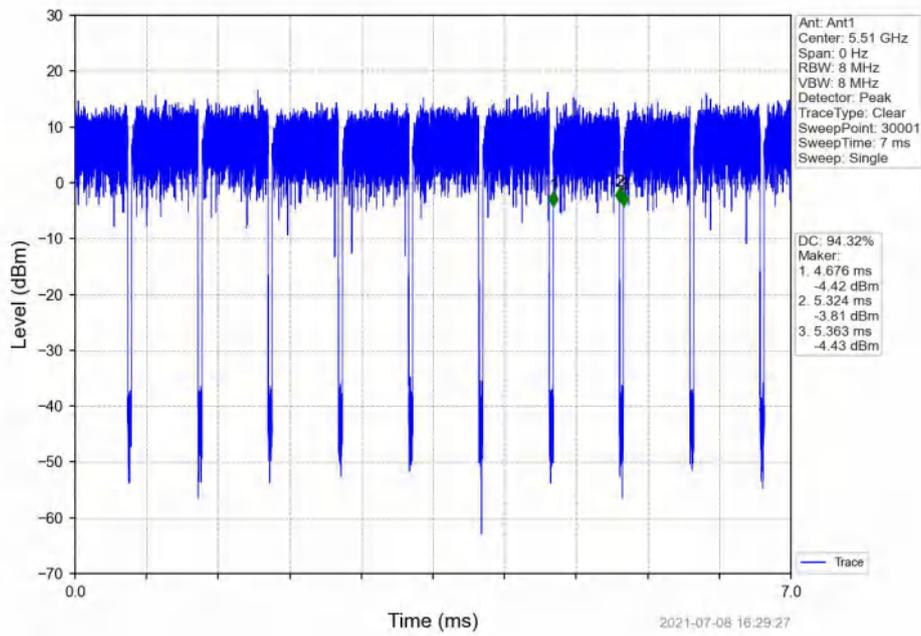
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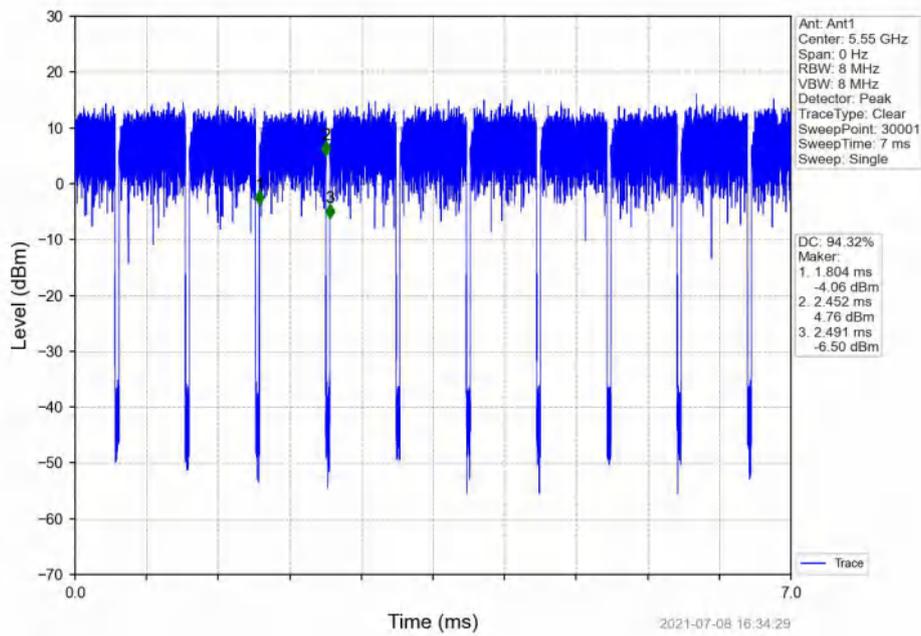
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



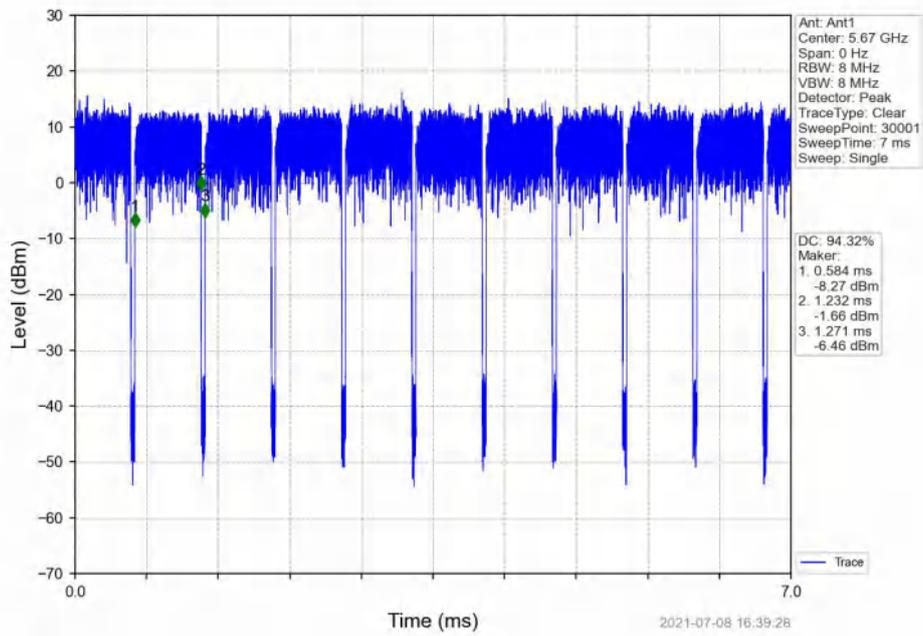
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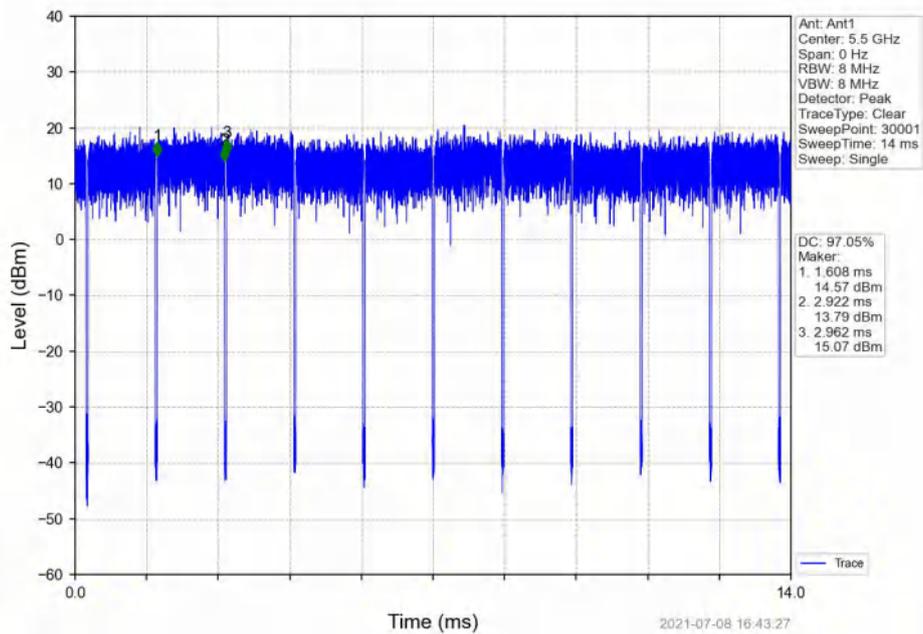
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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV

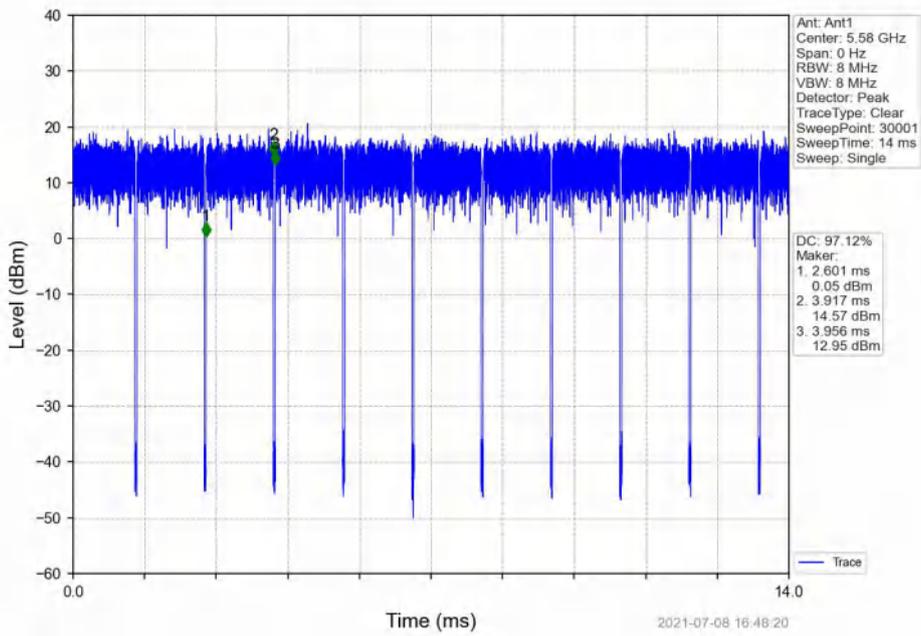


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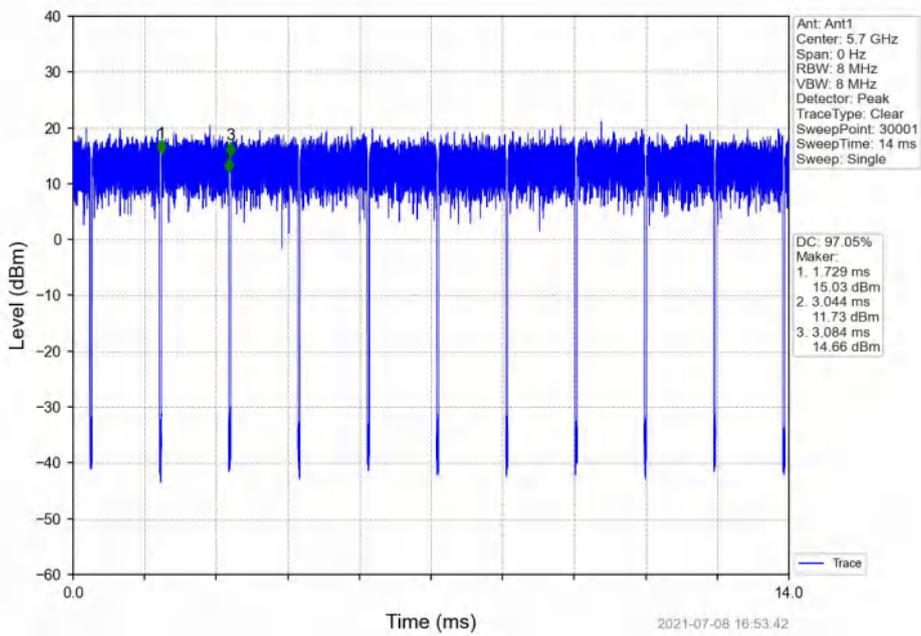
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



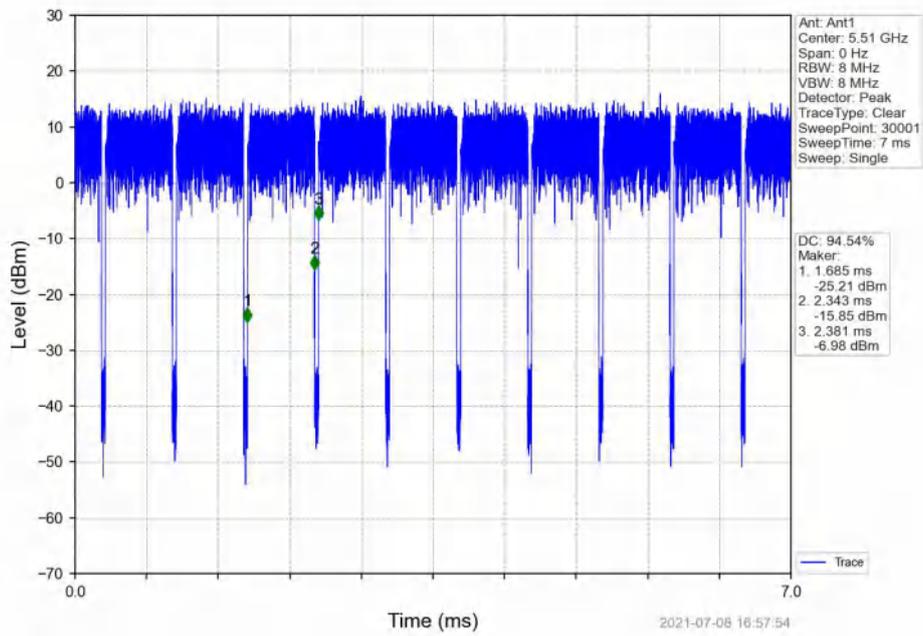
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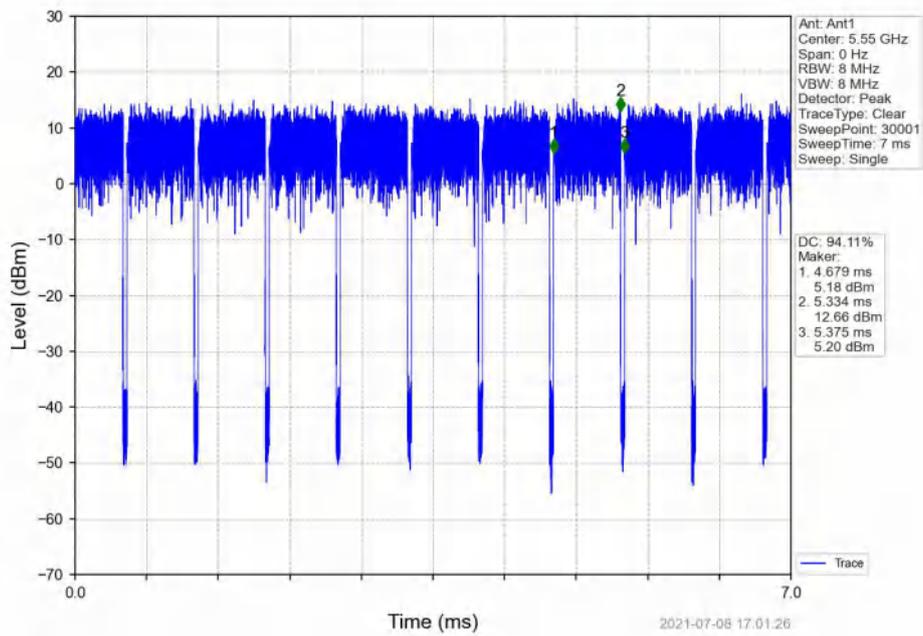
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



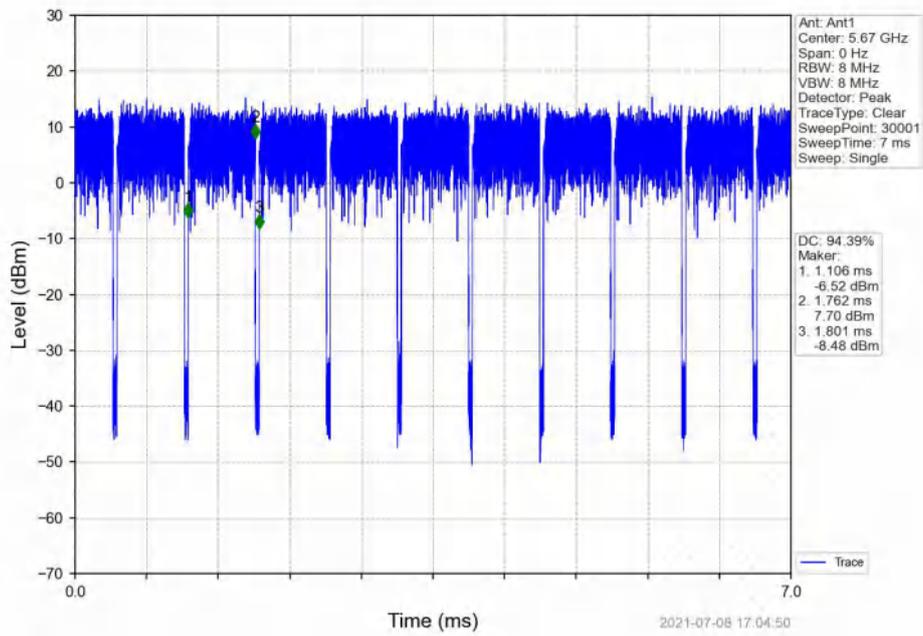
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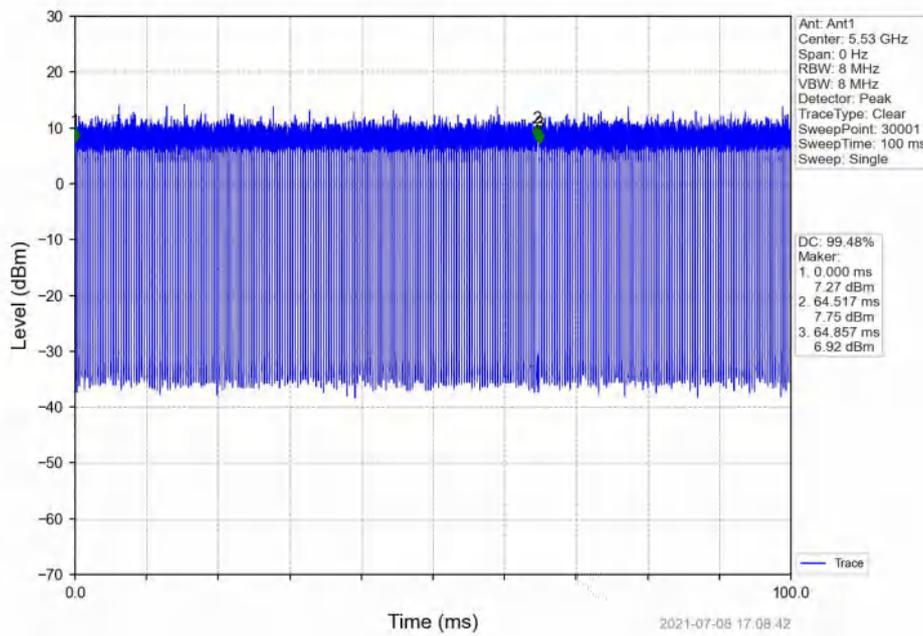
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_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	5500	1	18.44	/	Pass
		5580	1	18.16	/	Pass
		5700	1	18.29	/	Pass
802.11n (HT20)	MIMO	5500	1	19.07	/	Pass
		5580	1	19.03	/	Pass
		5700	1	18.85	/	Pass
802.11n (HT40)	MIMO	5510	1	36.98	/	Pass
		5550	1	37.08	/	Pass
		5670	1	36.94	/	Pass
802.11ac (VHT20)	MIMO	5500	1	18.84	/	Pass
		5580	1	18.87	/	Pass
		5700	1	18.87	/	Pass
802.11ac (VHT40)	MIMO	5510	1	36.95	/	Pass
		5550	1	37.04	/	Pass
		5670	1	36.89	/	Pass
802.11ac (VHT80)	MIMO	5530	1	76.65	/	Pass

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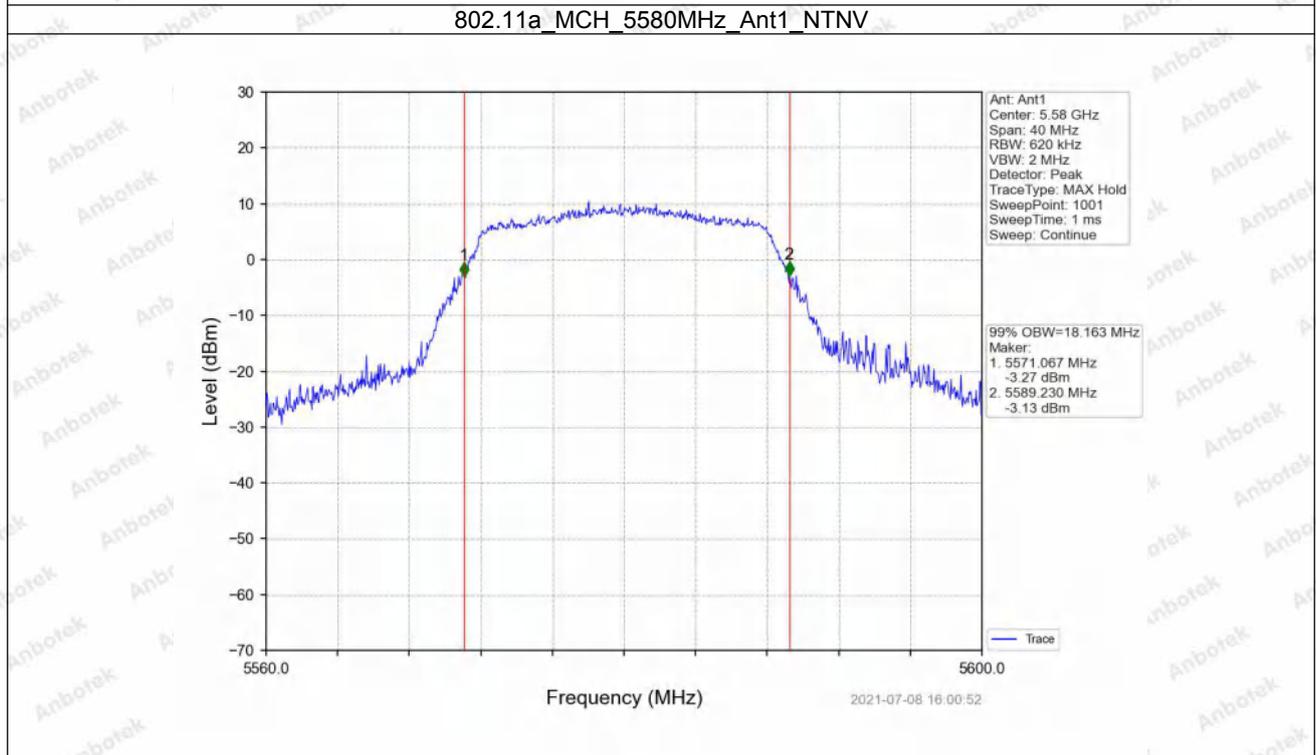
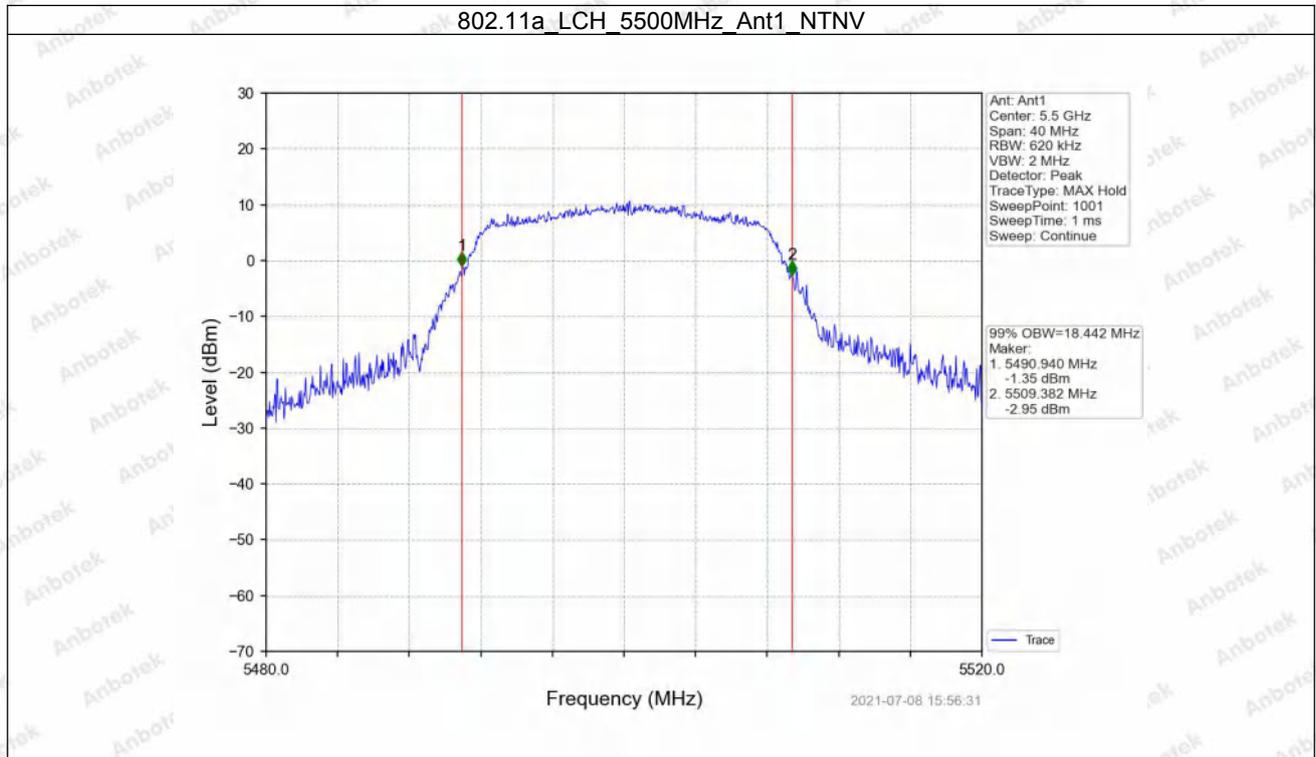


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## 2.1.2 Test Graph

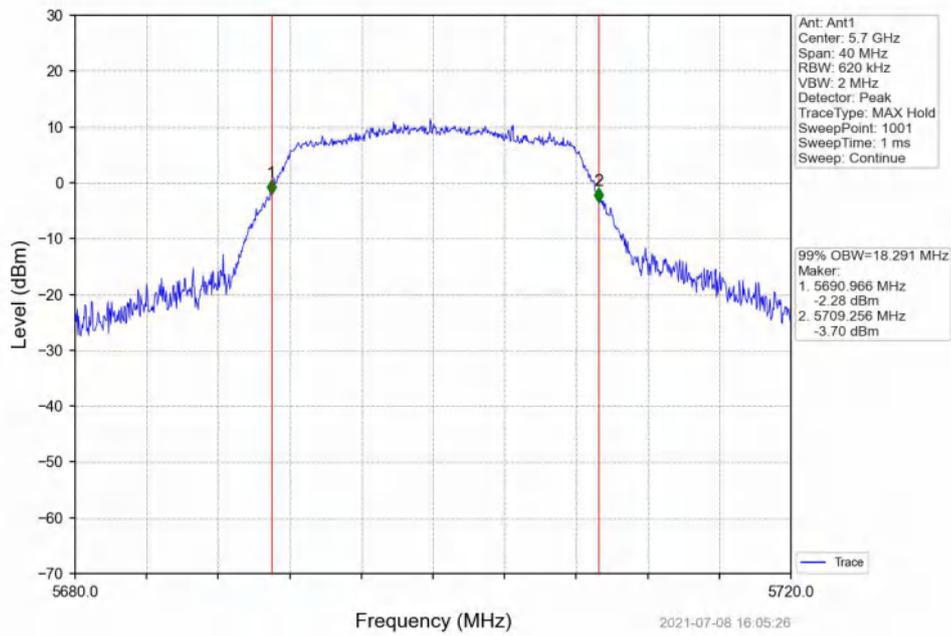


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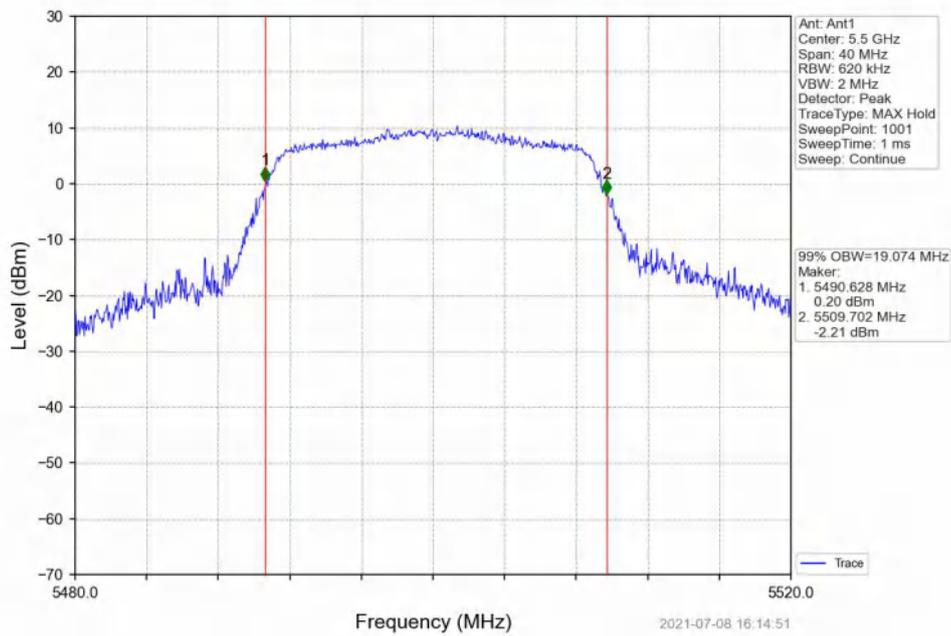
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV

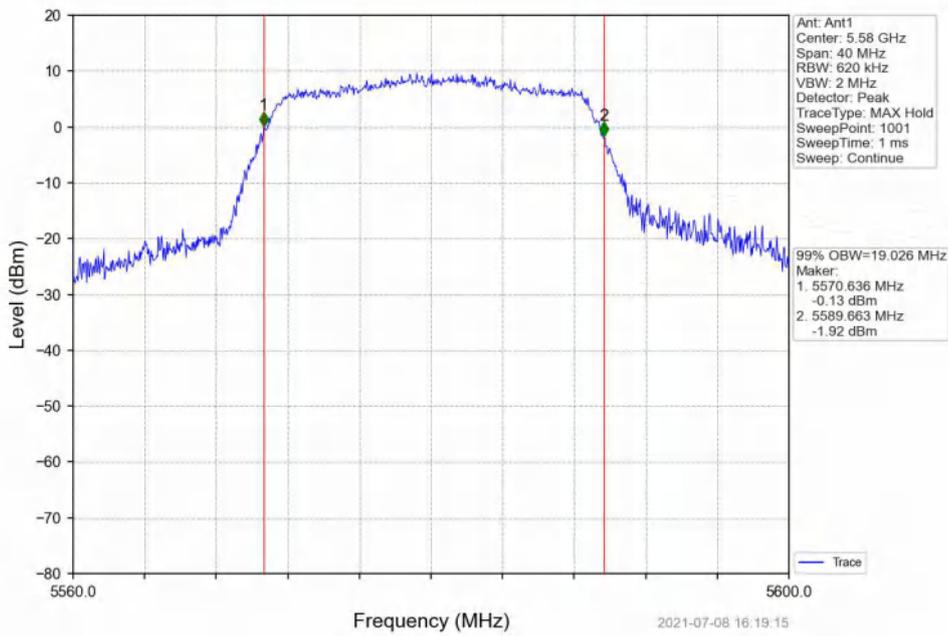


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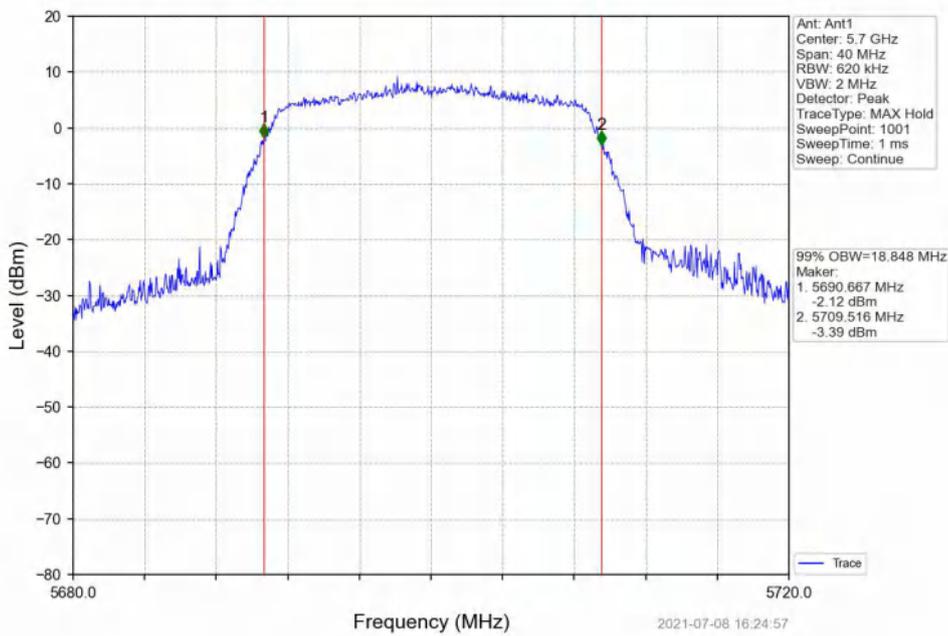
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



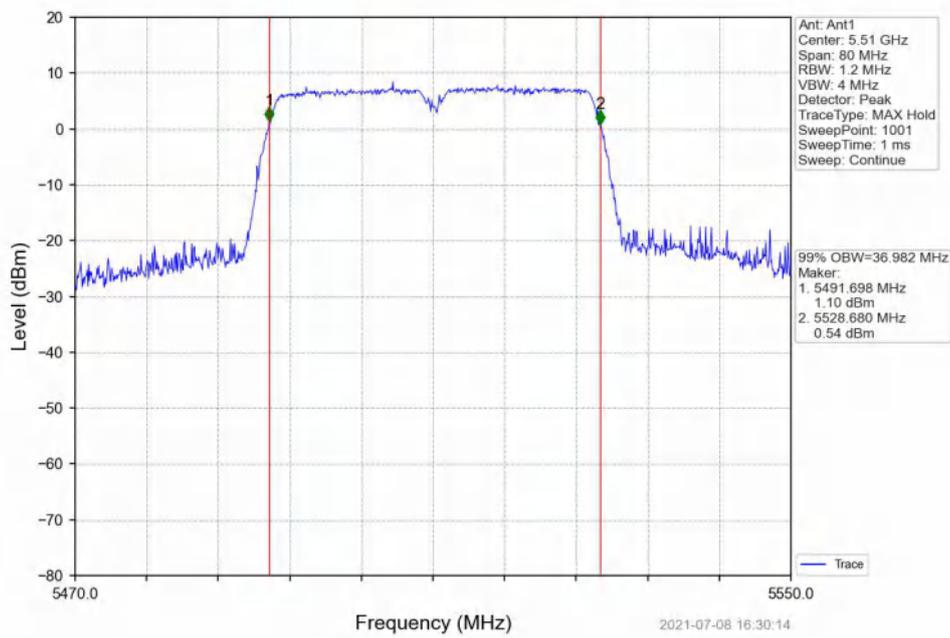
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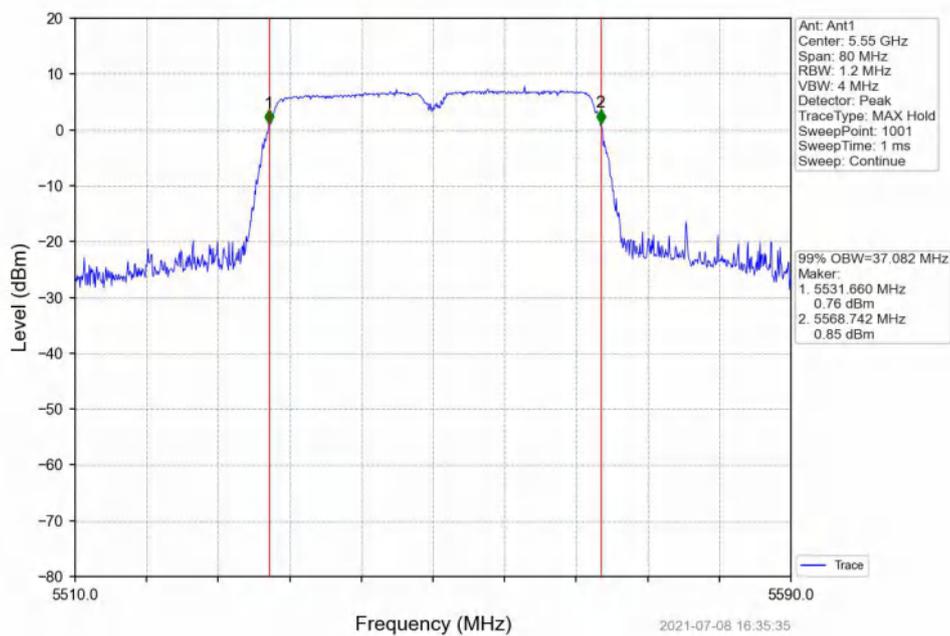
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



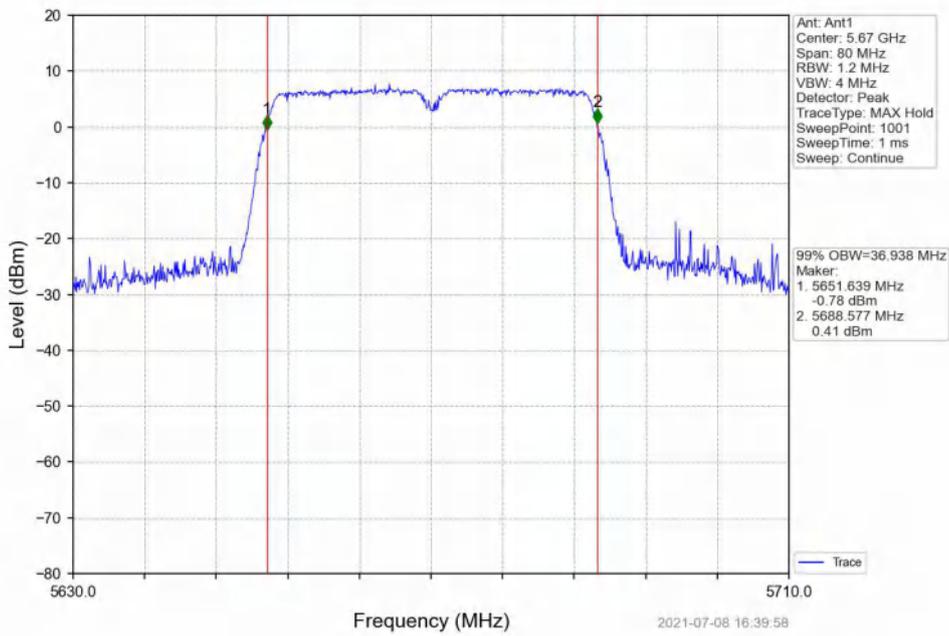
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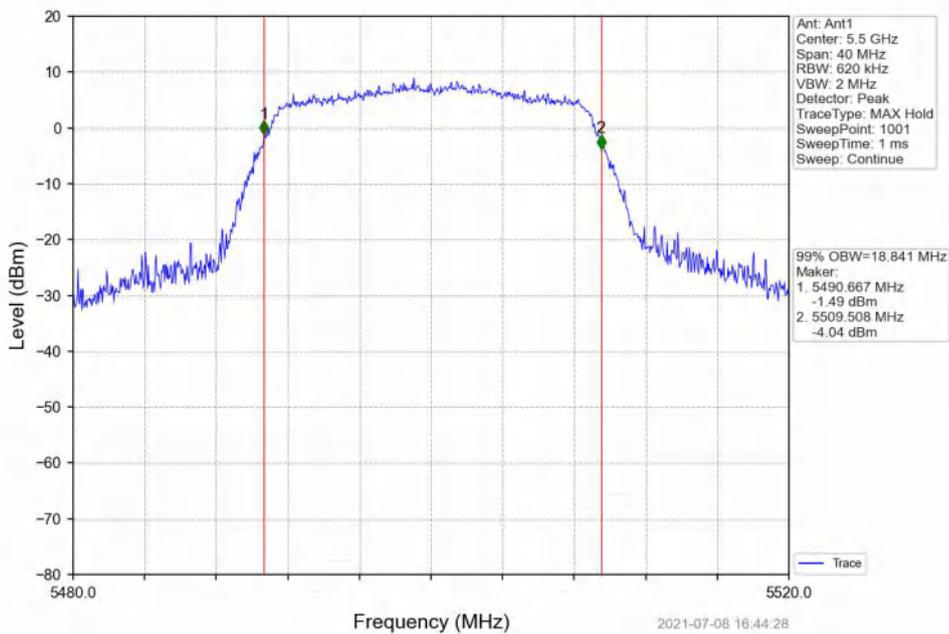
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802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



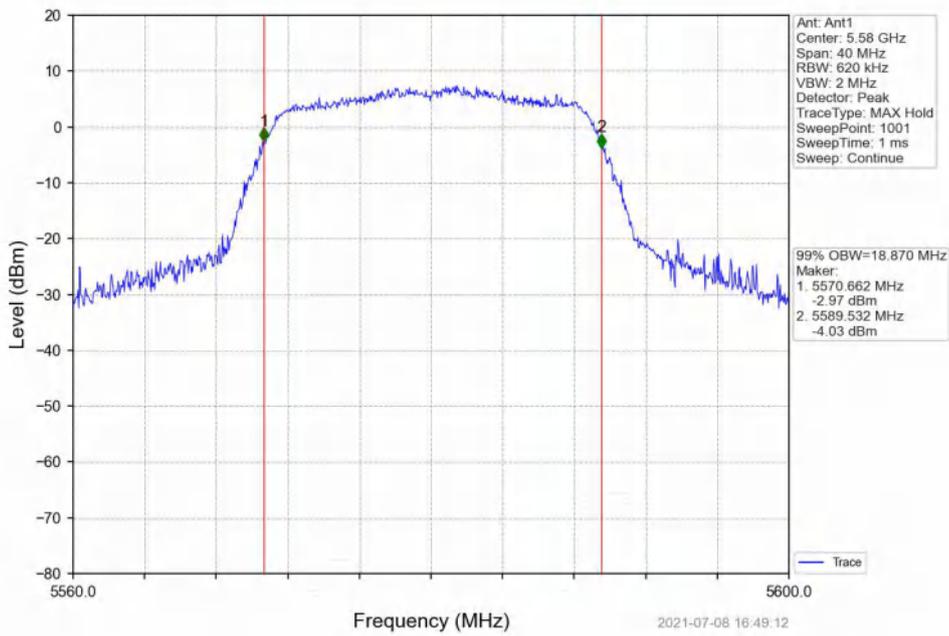
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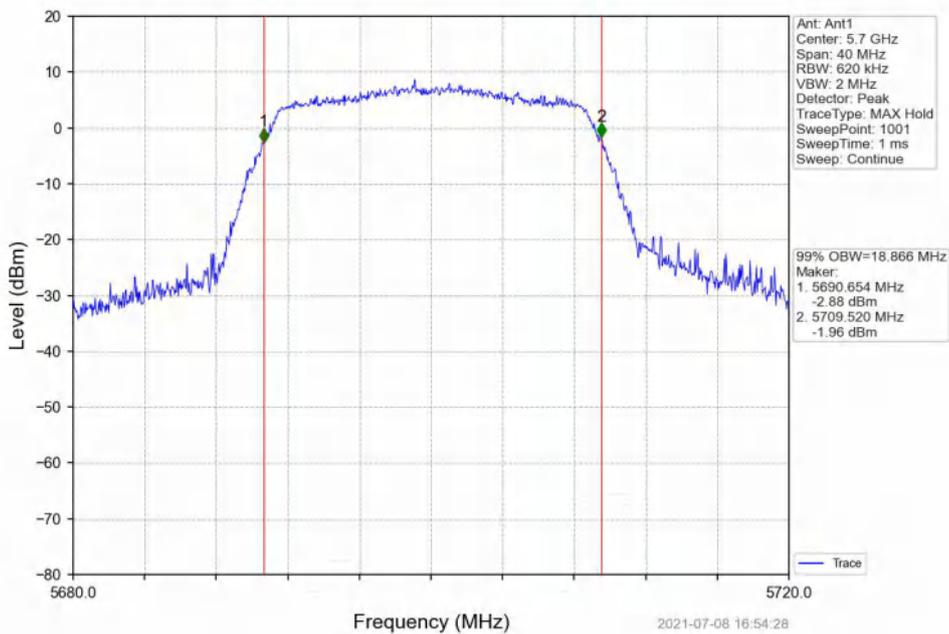
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV

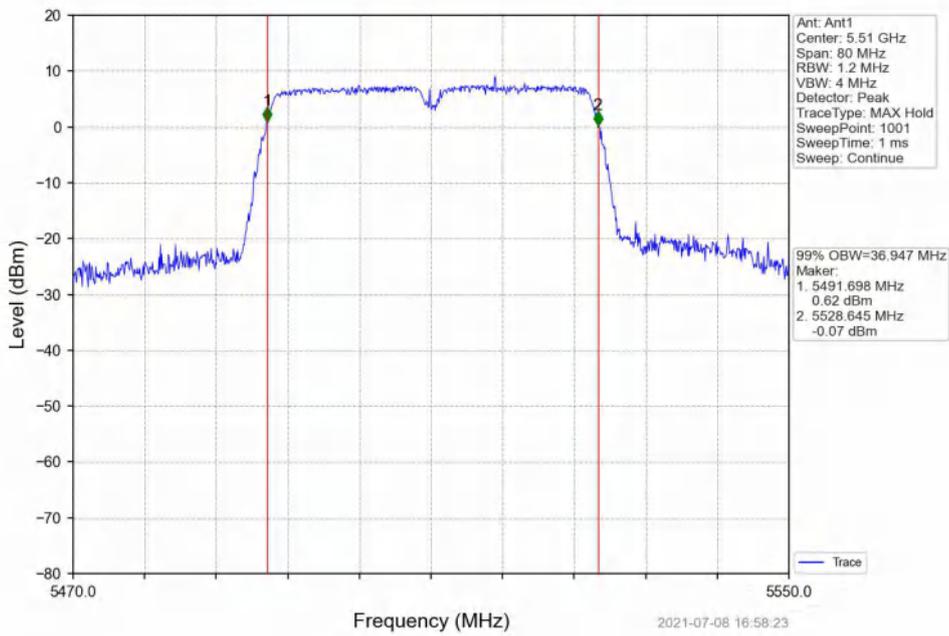


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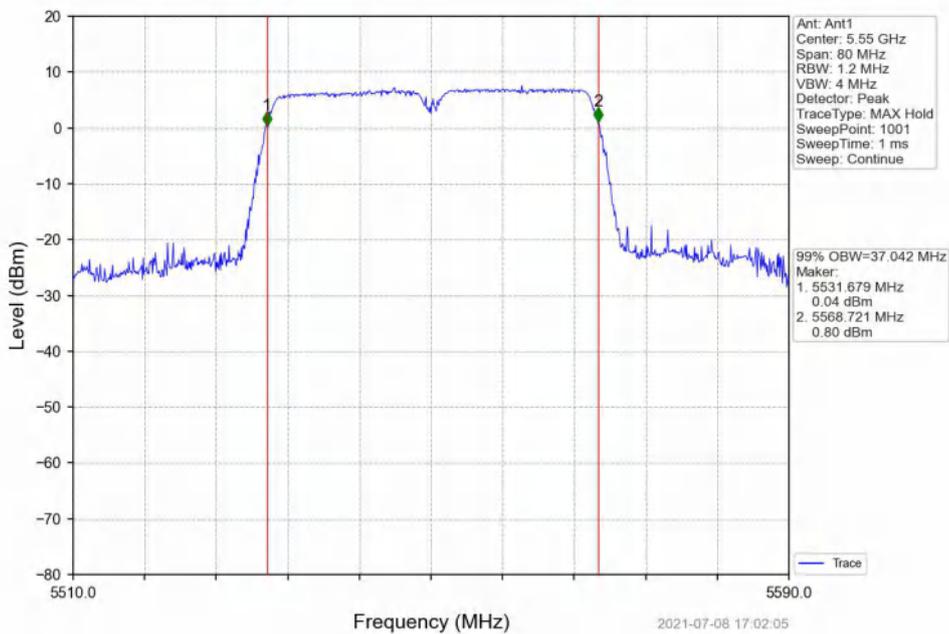
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



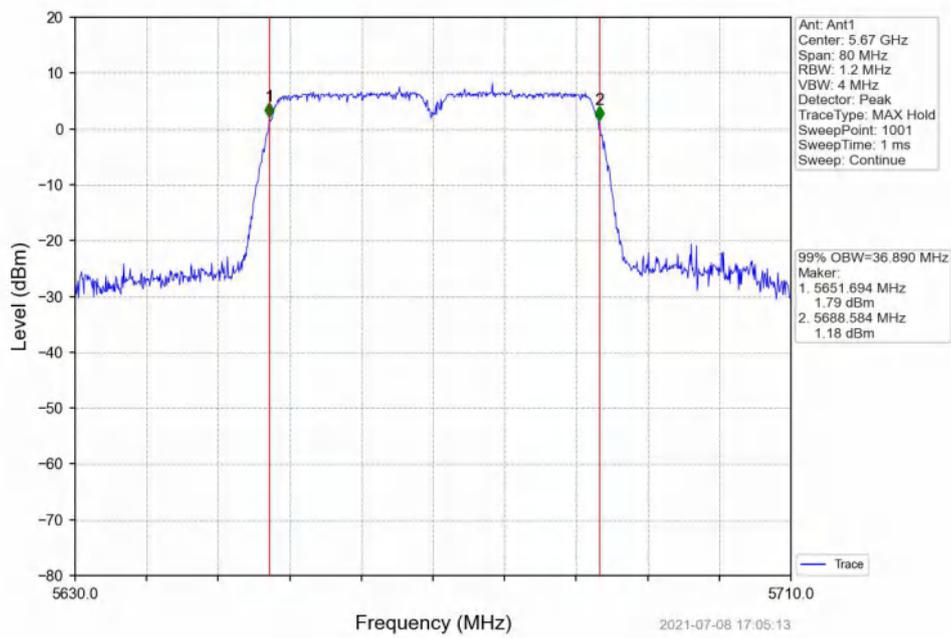
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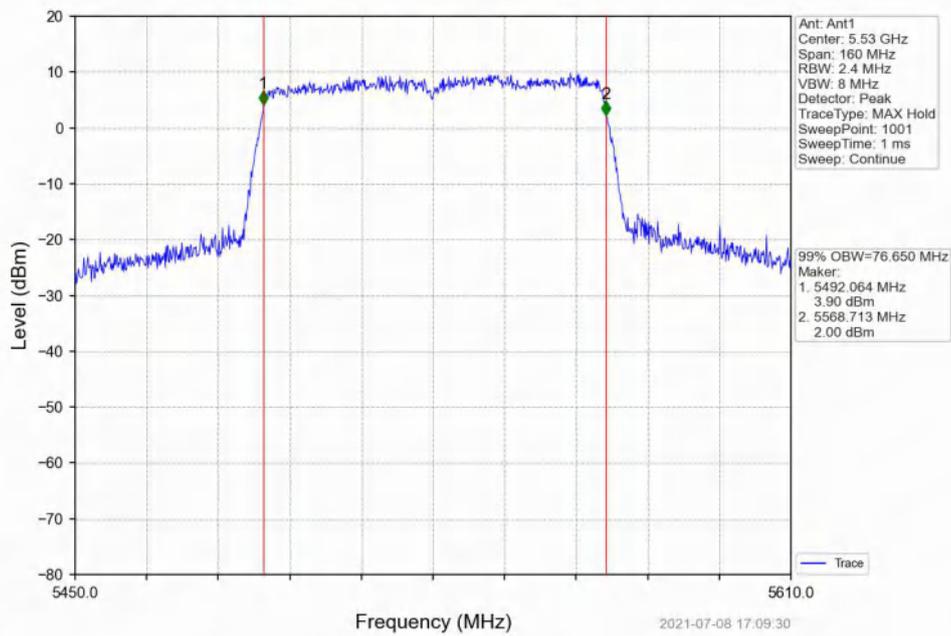
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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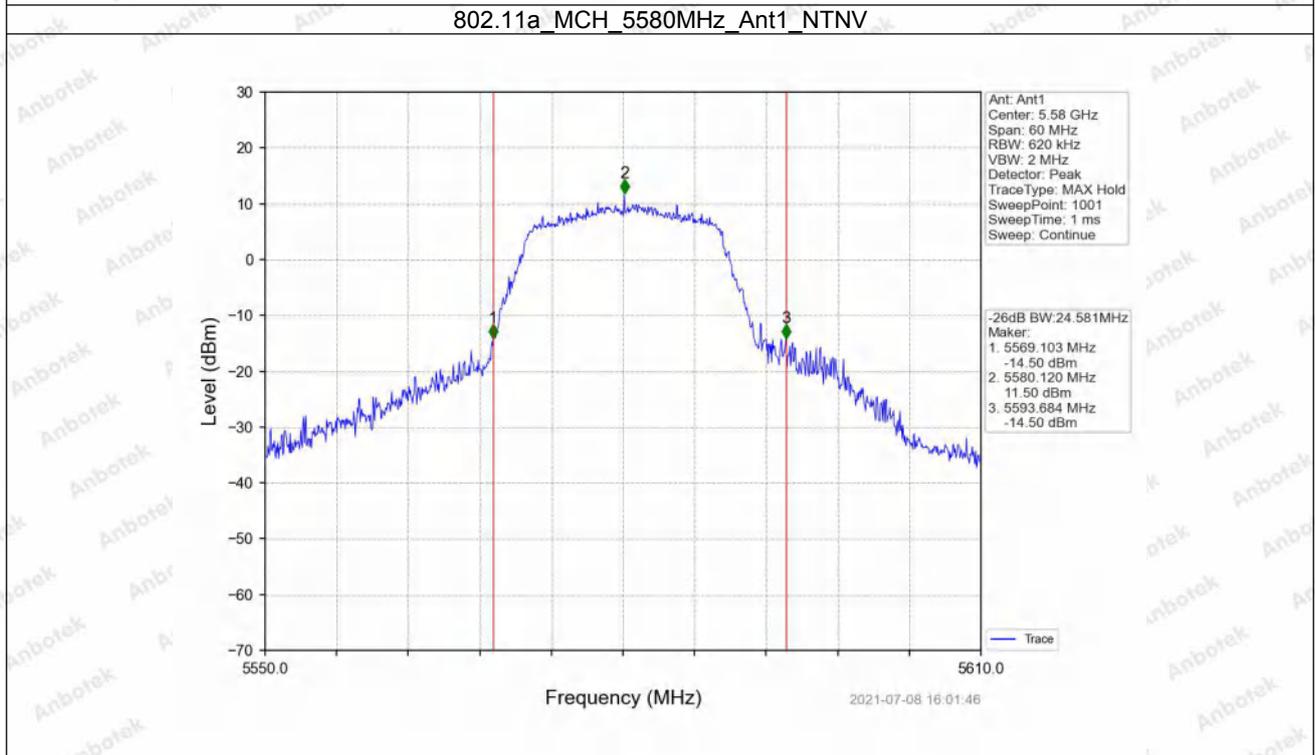
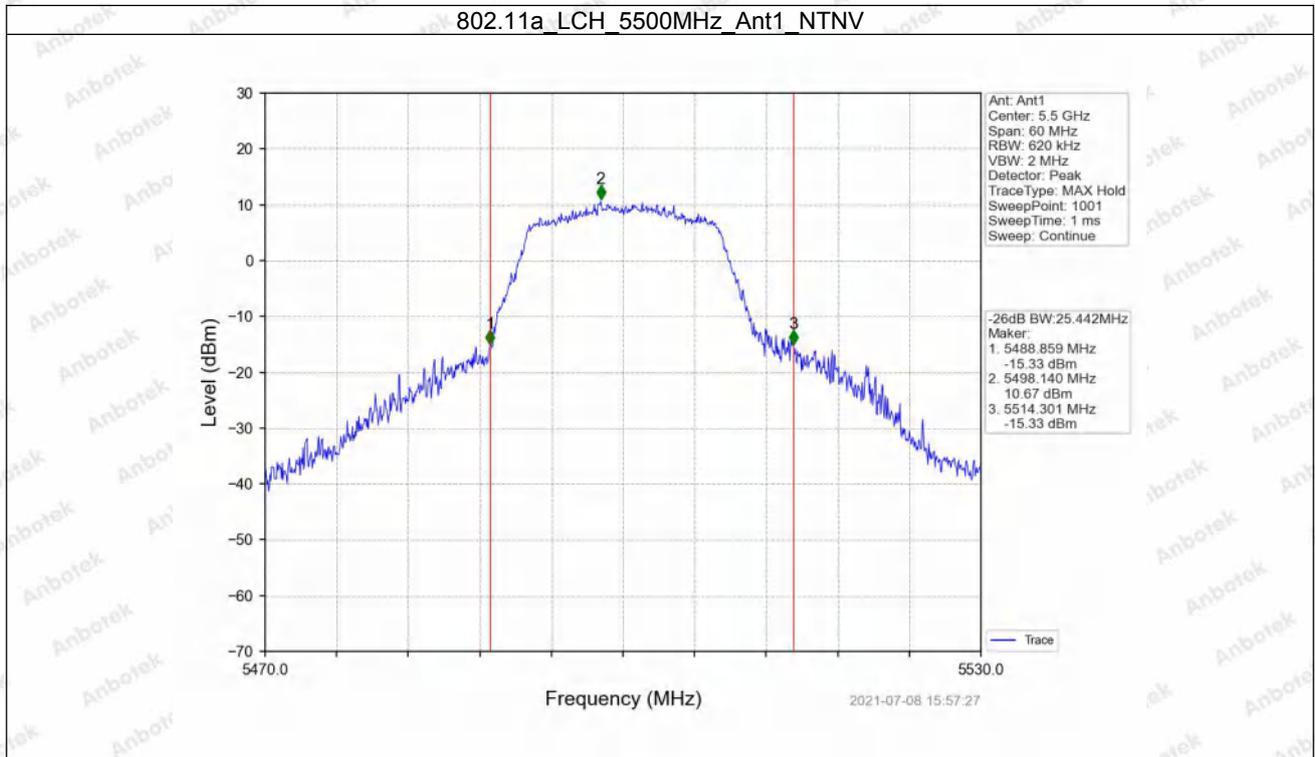
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## 2.2 26dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Limit	Verdict
802.11a	SISO	5500	1	25.44	/	Pass
		5580	1	24.58	/	Pass
		5700	1	25.40	/	Pass
802.11n (HT20)	MIMO	5500	1	27.63	/	Pass
		5580	1	25.77	/	Pass
		5700	1	22.23	/	Pass
802.11n (HT40)	MIMO	5510	1	55.03	/	Pass
		5550	1	52.80	/	Pass
		5670	1	41.41	/	Pass
802.11ac (VHT20)	MIMO	5500	1	22.21	/	Pass
		5580	1	22.35	/	Pass
		5700	1	22.27	/	Pass
802.11ac (VHT40)	MIMO	5510	1	44.10	/	Pass
		5550	1	48.94	/	Pass
		5670	1	41.66	/	Pass
802.11ac (VHT80)	MIMO	5530	1	88.86	/	Pass

## 2.2.2 Test Graph

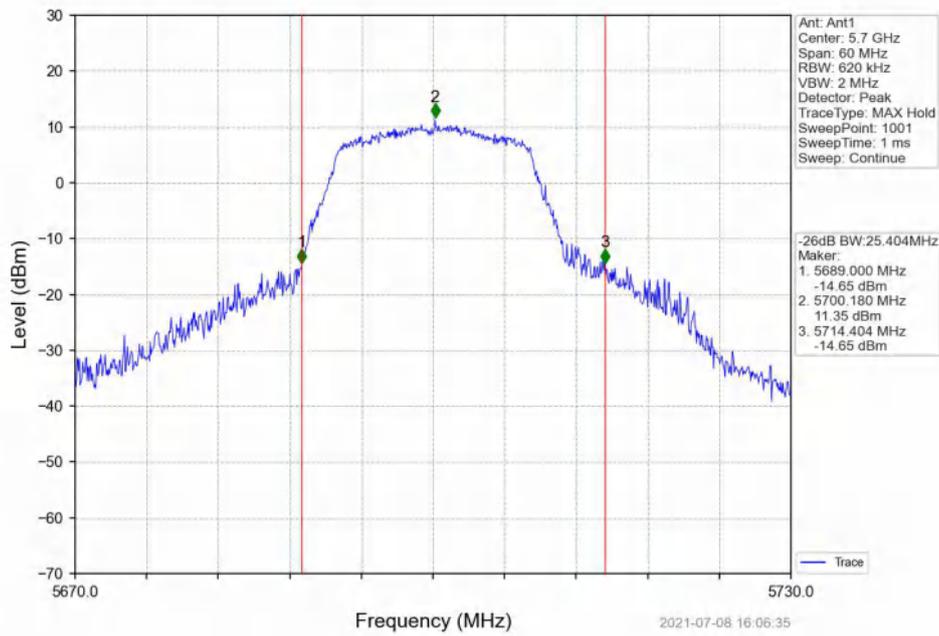


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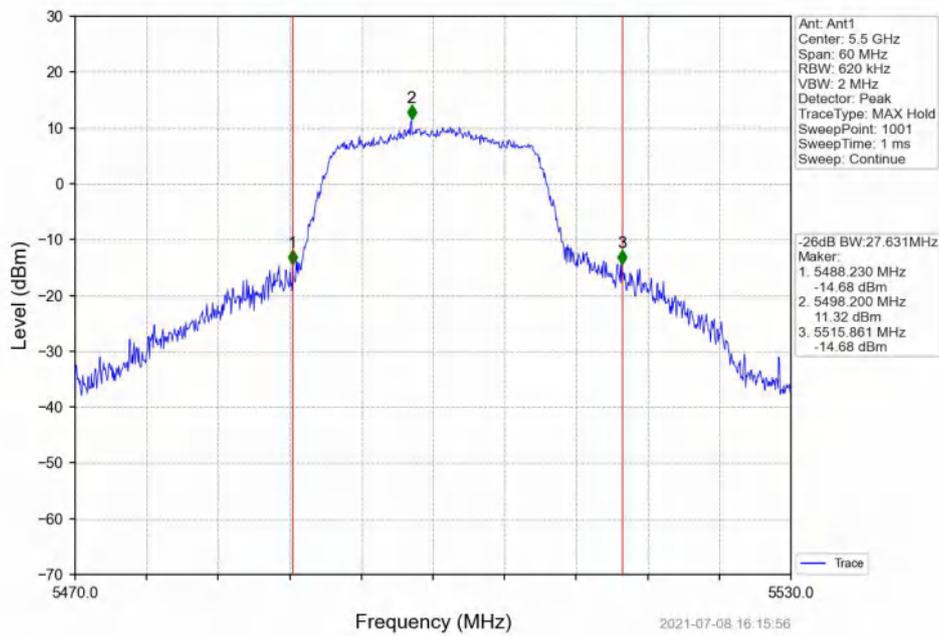
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



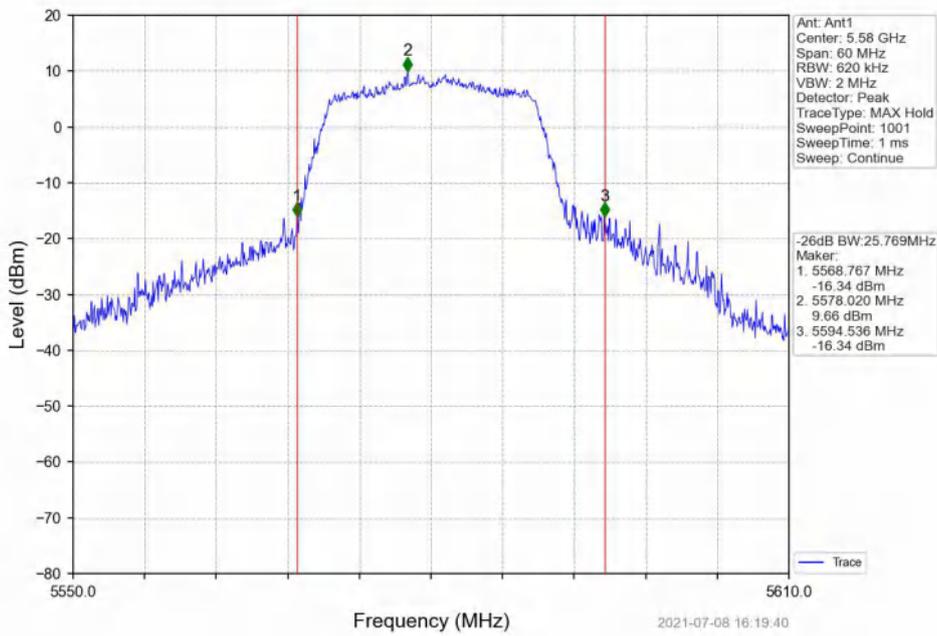
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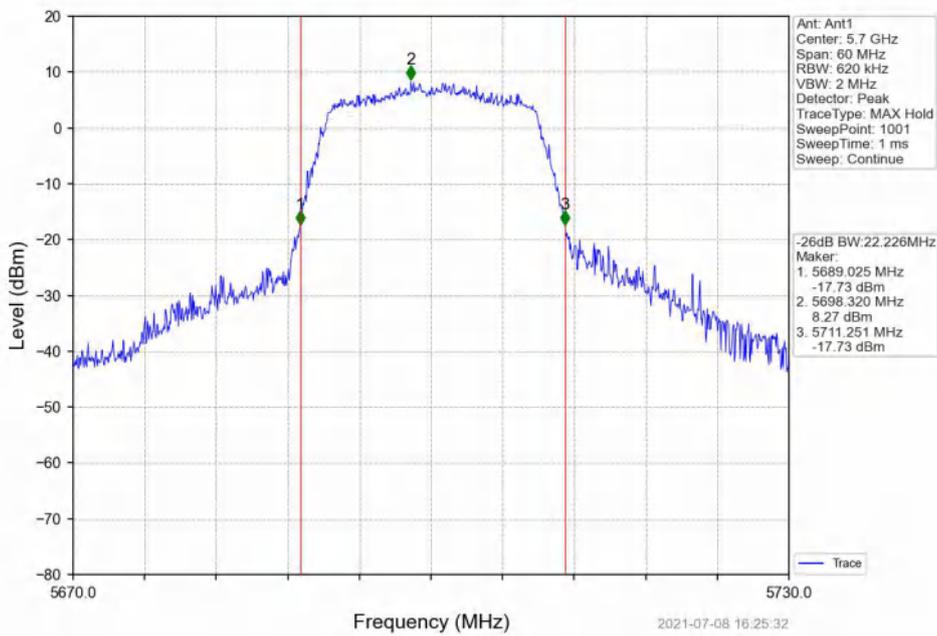
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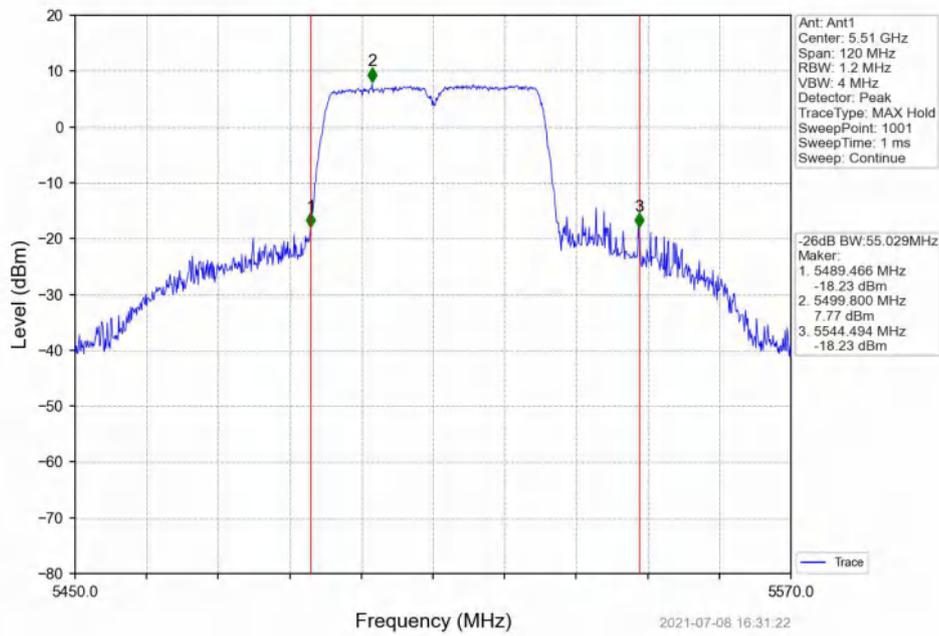
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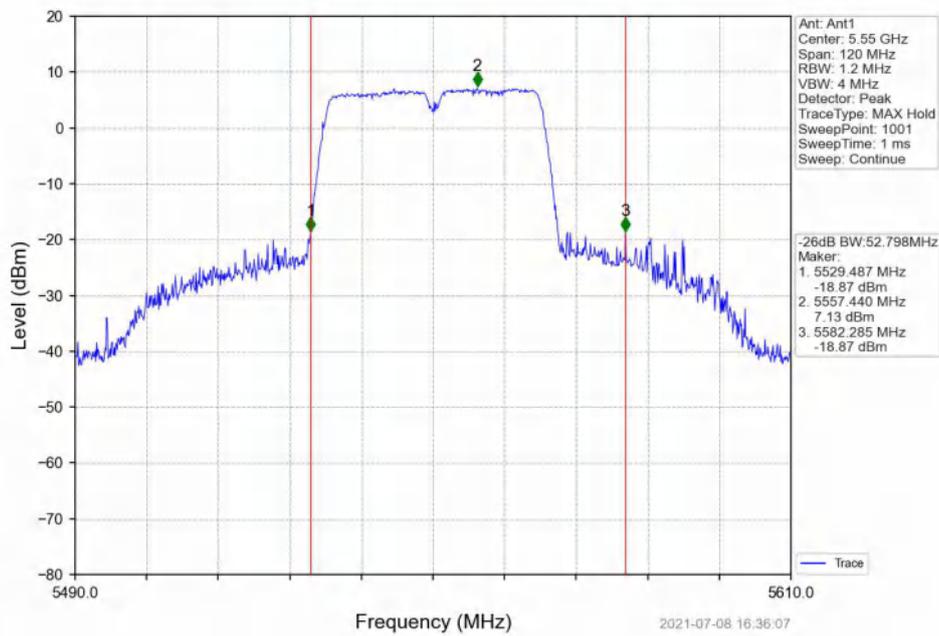
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802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



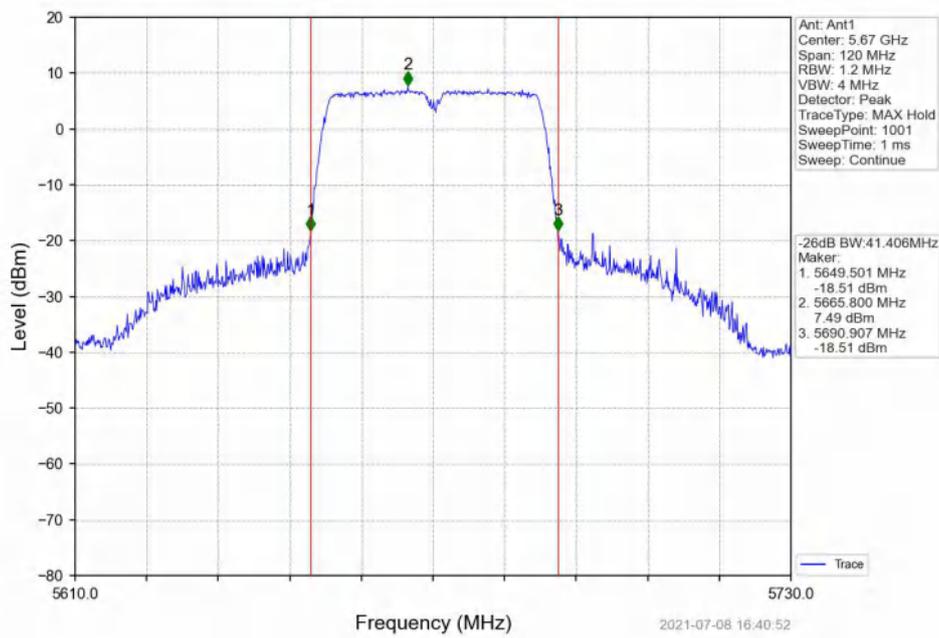
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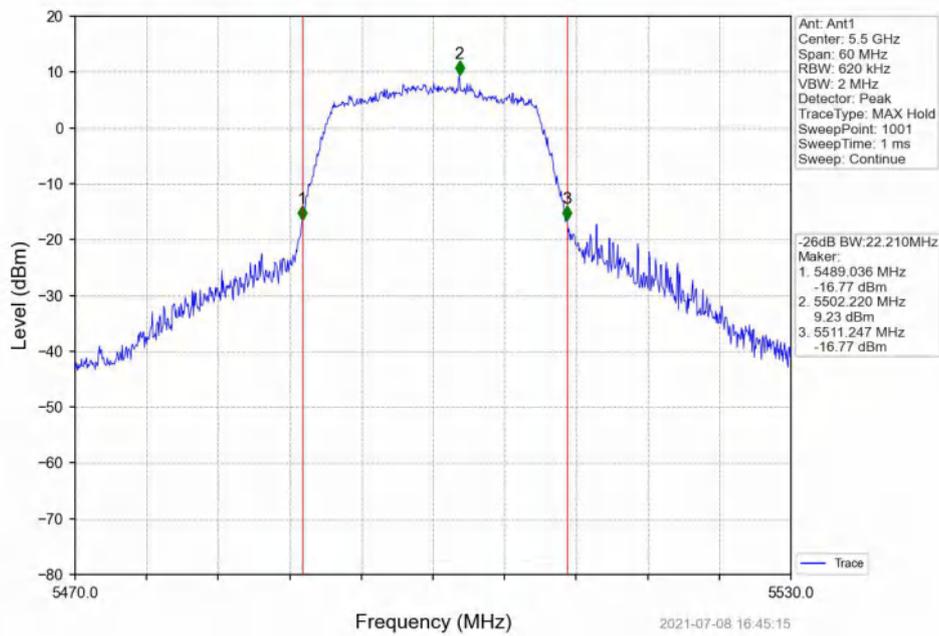
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



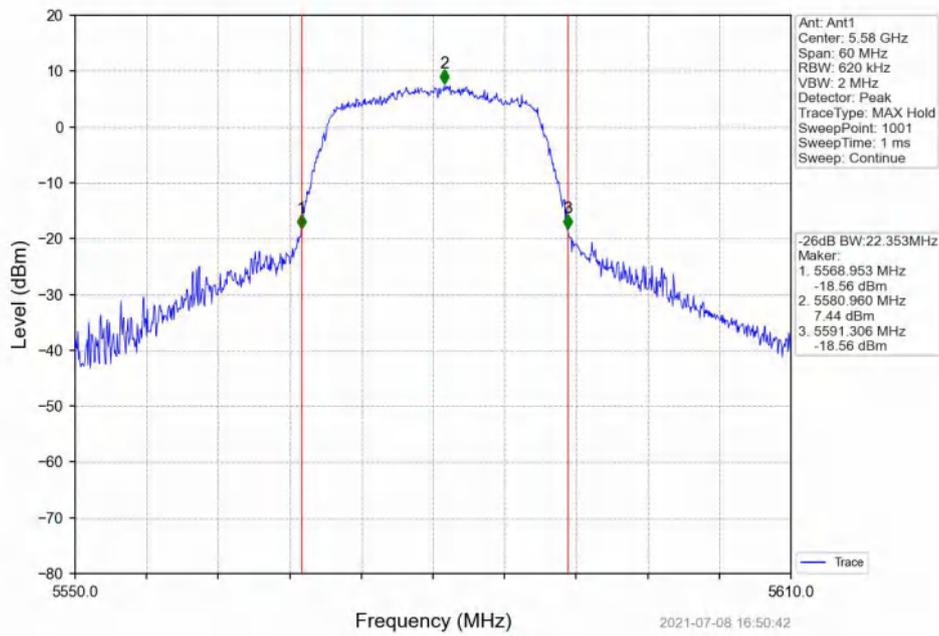
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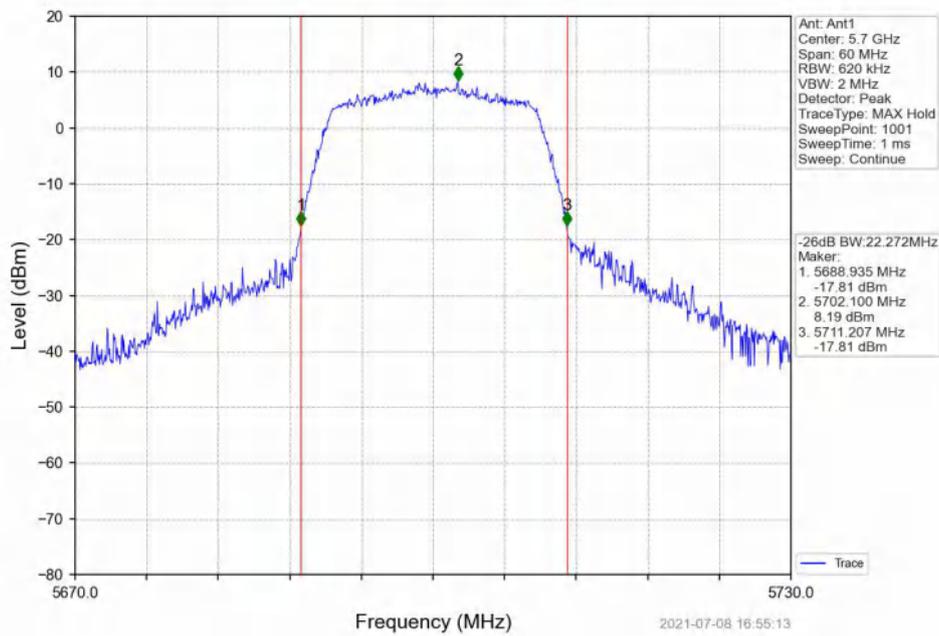
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802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



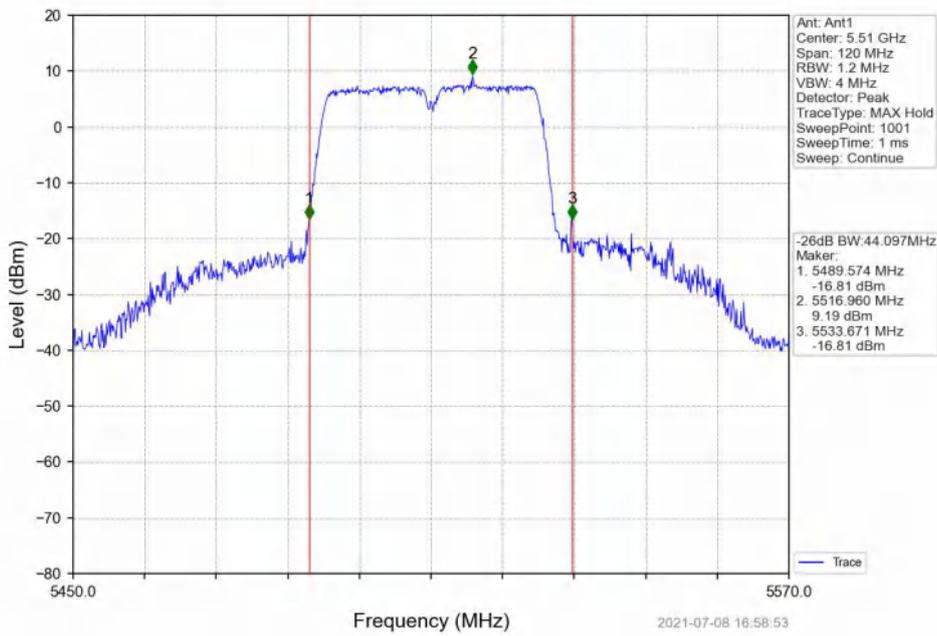
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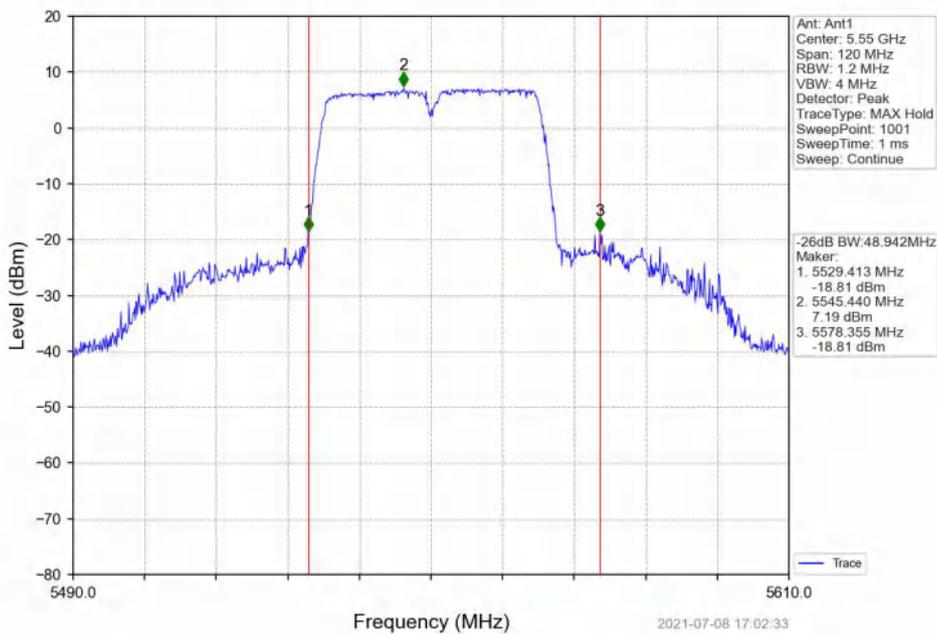
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



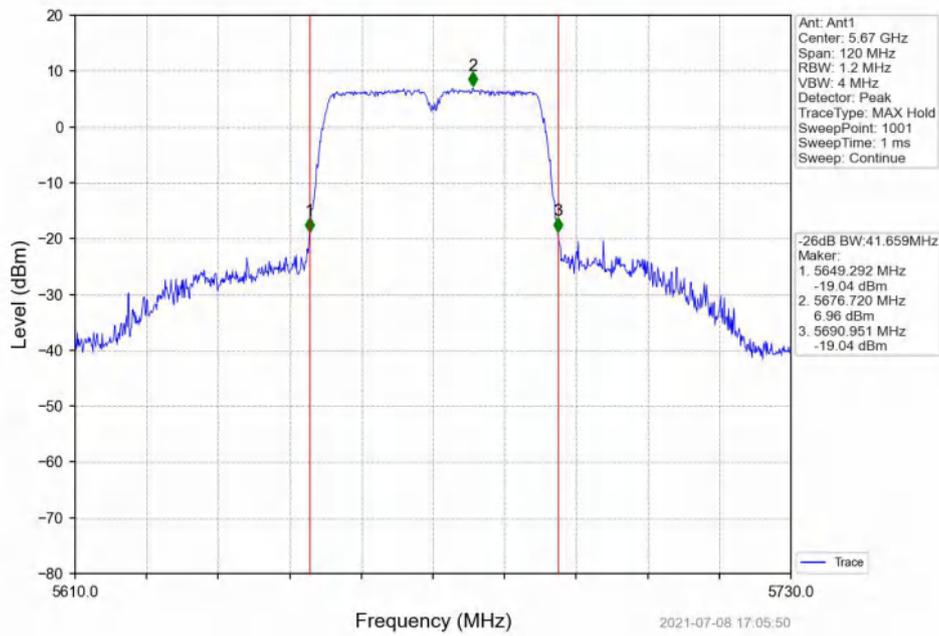
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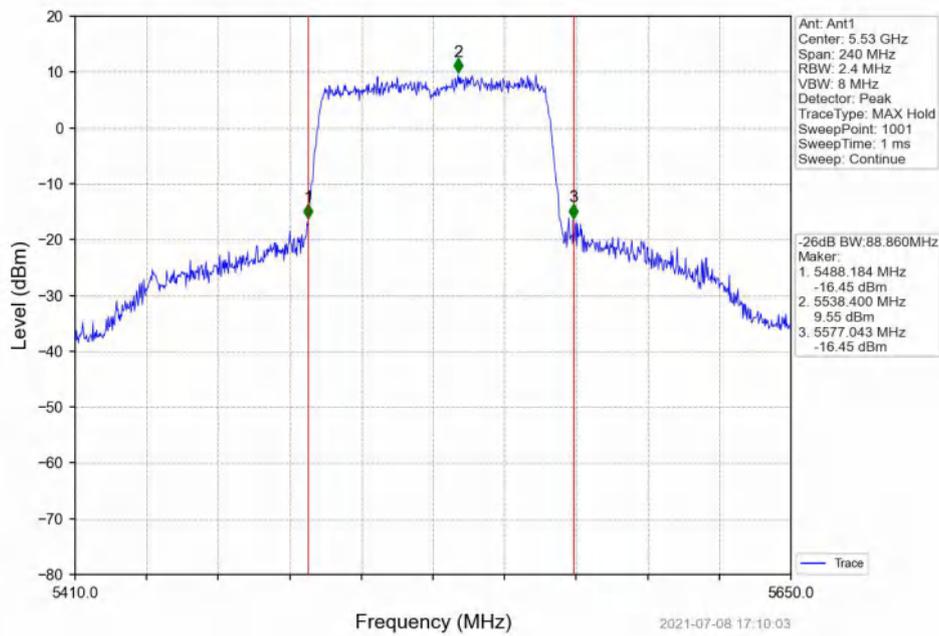
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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## 3. Maximum Conducted Output Power

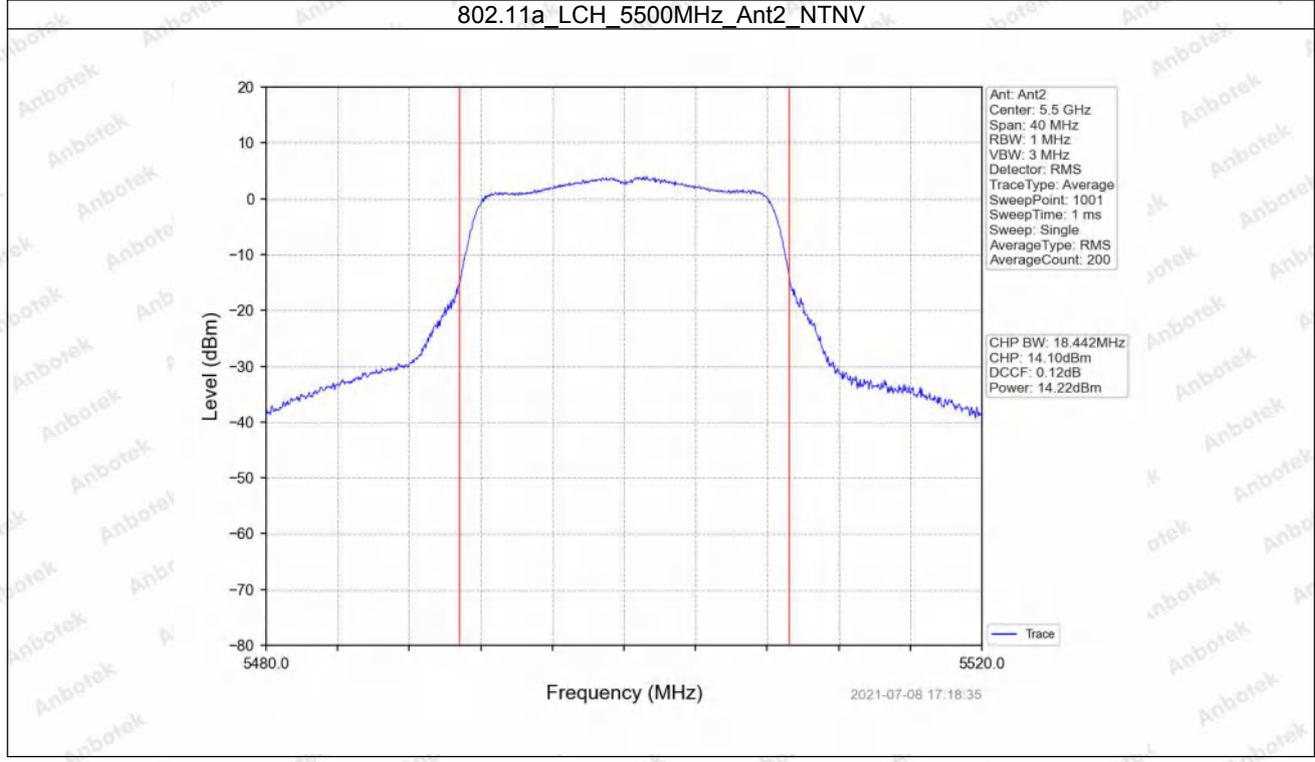
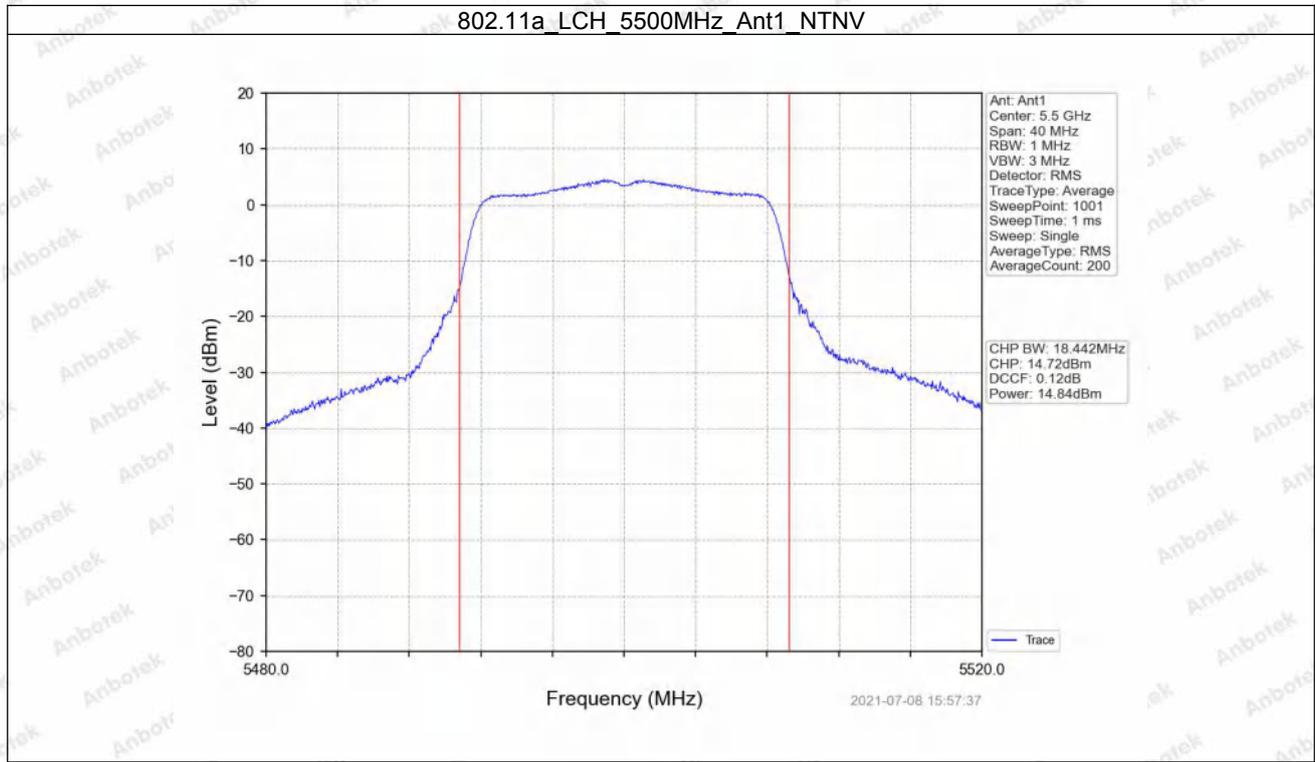
### 3.1 Power

#### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
802.11a	SISO	5500	14.84	14.22	/	<=23.66	Pass
		5580	14.41	12.66	/	<=23.59	Pass
		5700	15.08	13.31	/	<=23.62	Pass
802.11n (HT20)	MIMO	5500	12.62	11.84	15.26	<=23.8	Pass
		5580	11.94	10.17	14.15	<=23.79	Pass
		5700	12.67	10.97	14.91	<=23.75	Pass
802.11n (HT40)	MIMO	5510	12.33	11.46	14.93	<=23.98	Pass
		5550	12.12	10.64	14.45	<=23.98	Pass
		5670	12.09	10.39	14.33	<=23.98	Pass
802.11ac (VHT20)	MIMO	5500	12.69	11.80	15.28	<=23.75	Pass
		5580	12.03	10.17	14.21	<=23.76	Pass
		5700	12.65	10.97	14.90	<=23.76	Pass
802.11ac (VHT40)	MIMO	5510	12.29	11.57	14.96	<=23.98	Pass
		5550	12.18	10.64	14.49	<=23.98	Pass
		5670	11.95	10.44	14.27	<=23.98	Pass
802.11ac (VHT80)	MIMO	5530	11.97	10.75	14.41	<=23.98	Pass

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

### 3.1.2 Test Graph

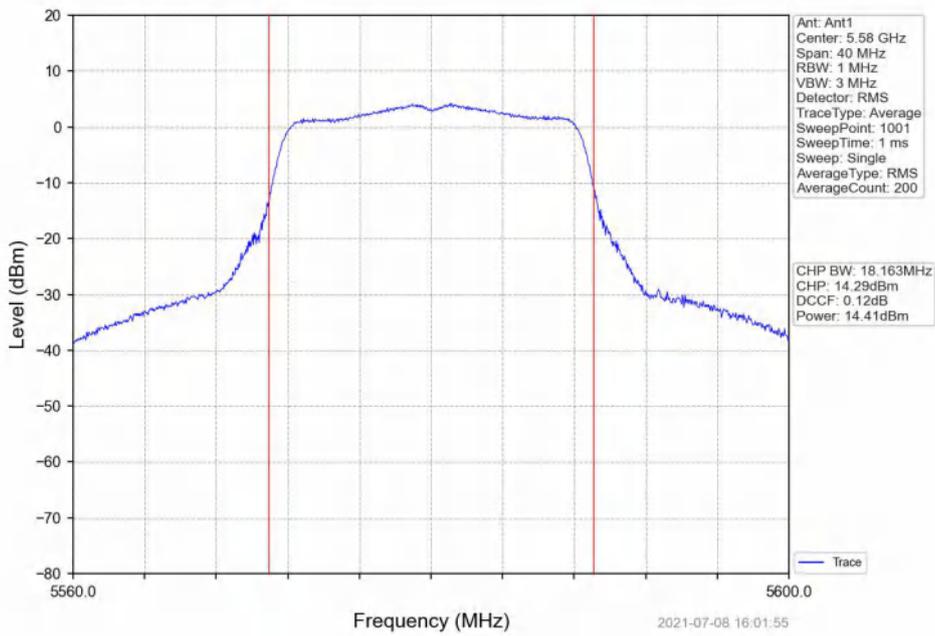


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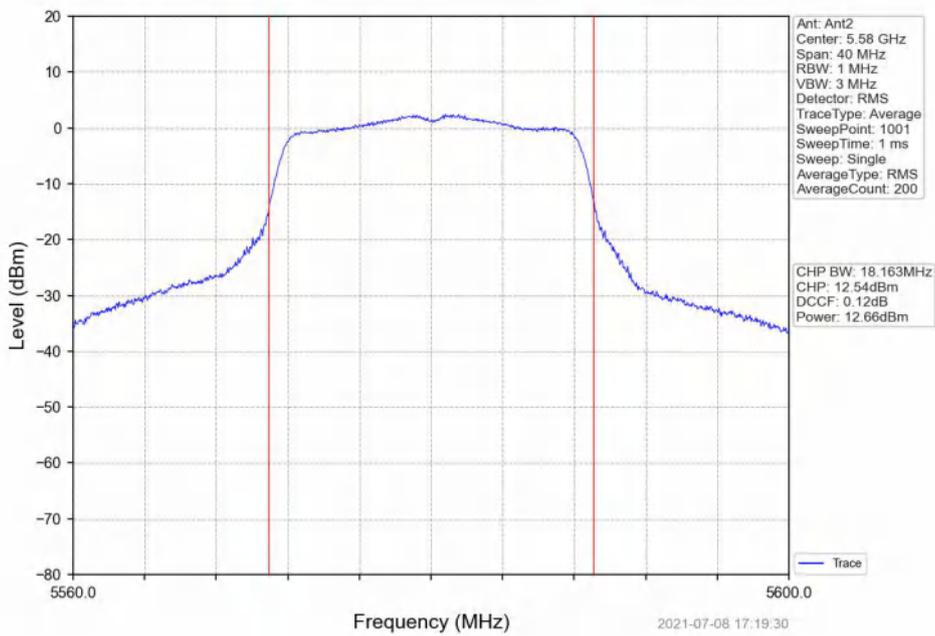
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802.11a\_MCH\_5580MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant2\_NTNV



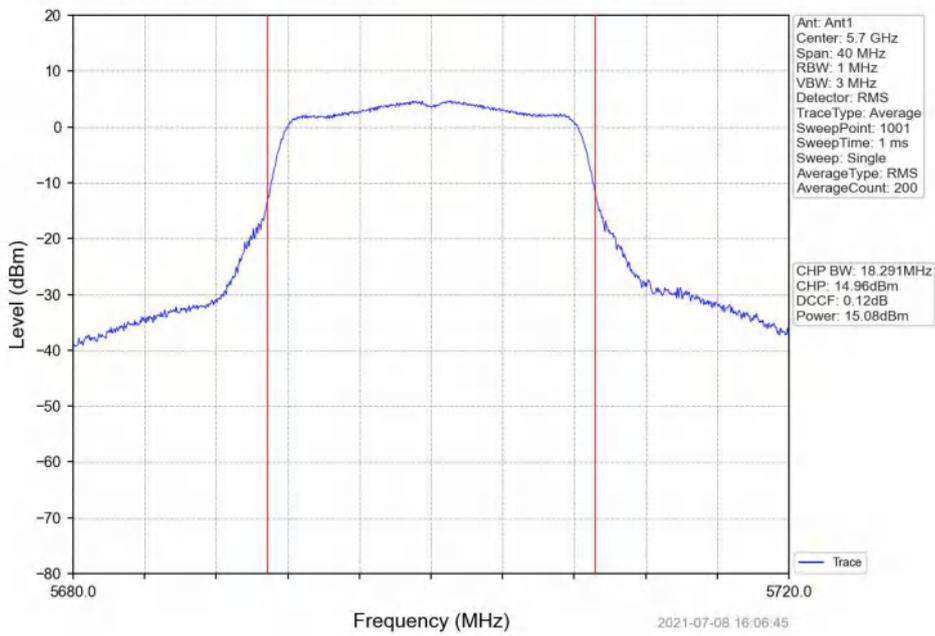
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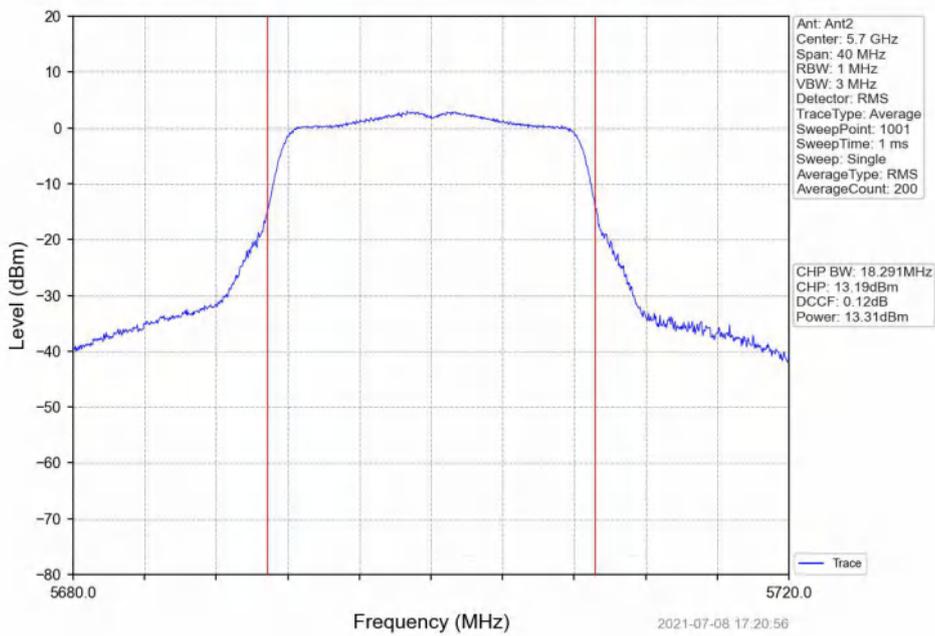
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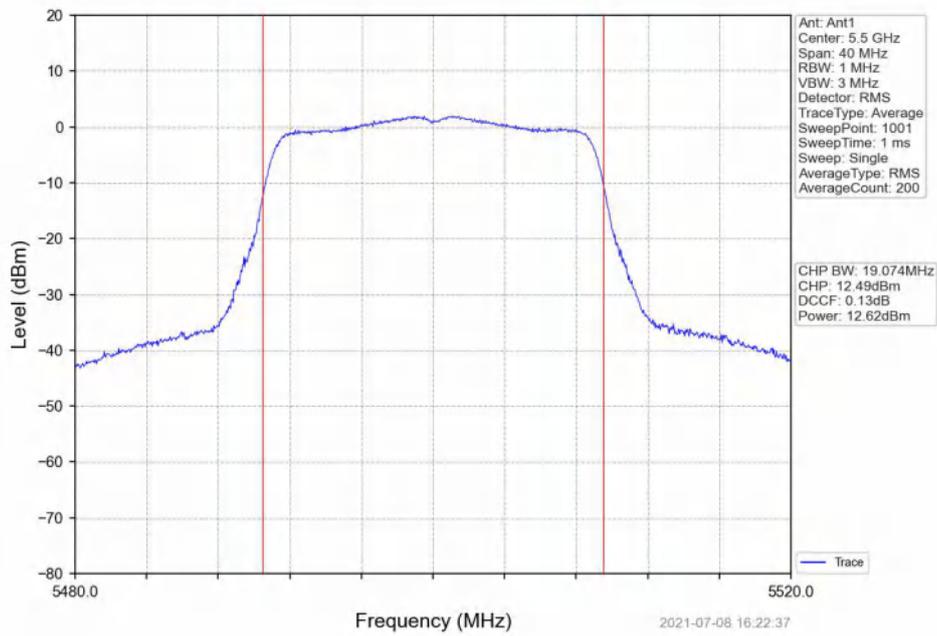
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



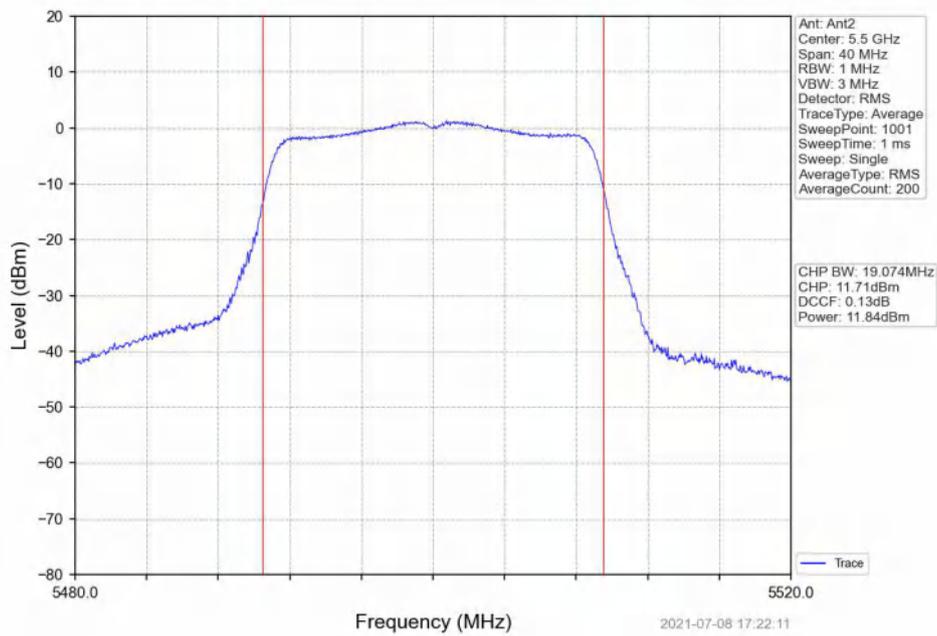
802.11a\_HCH\_5700MHz\_Ant2\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant2\_NTNV

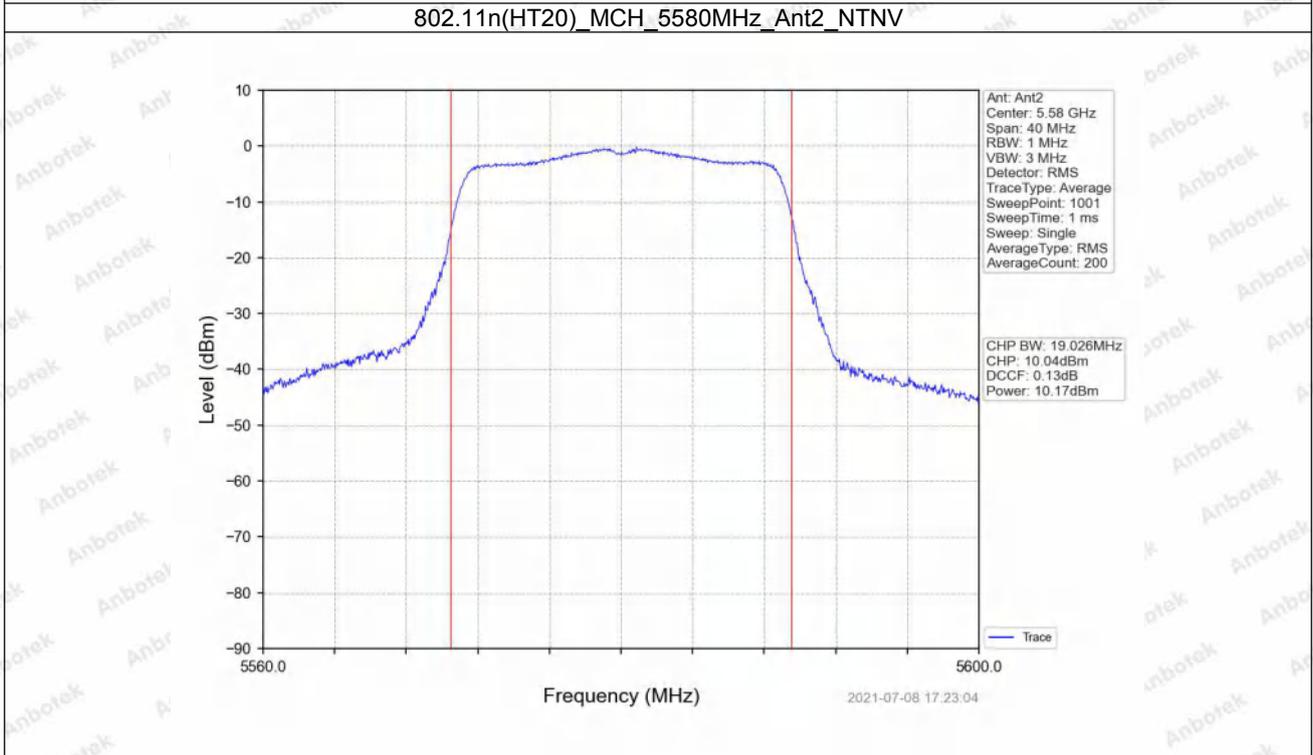
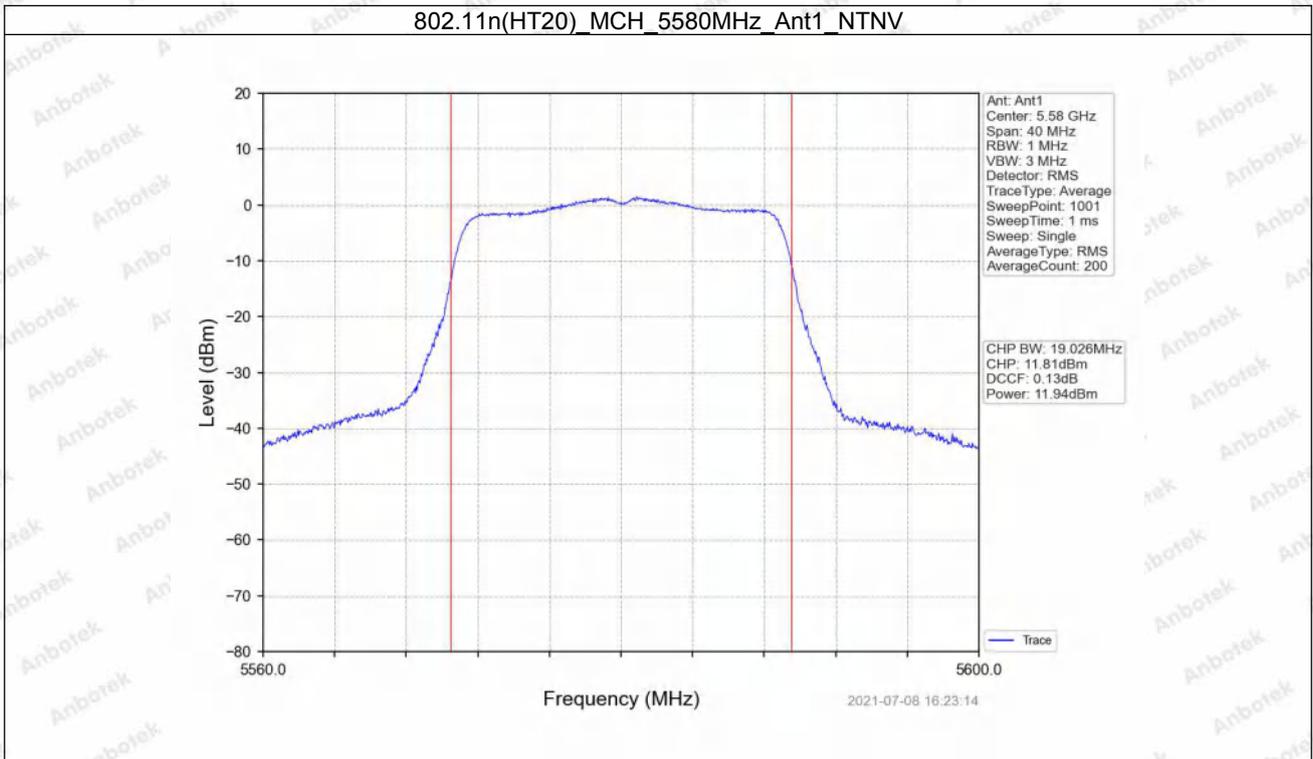


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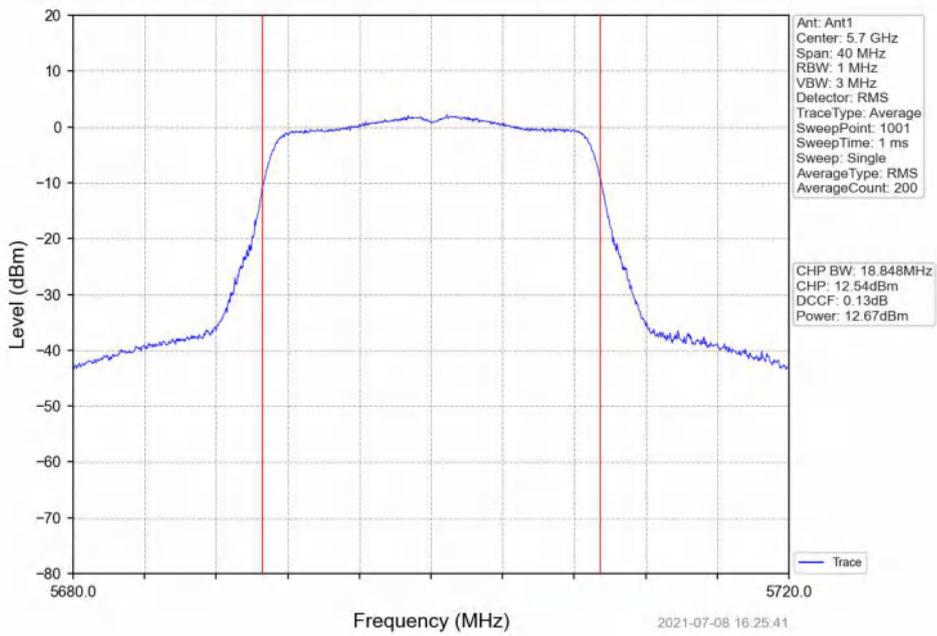


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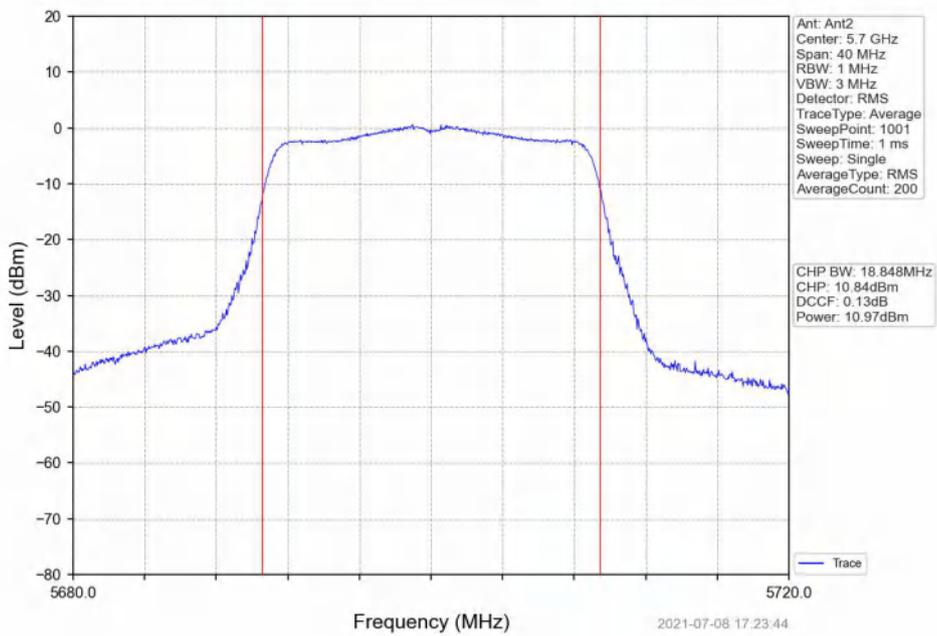
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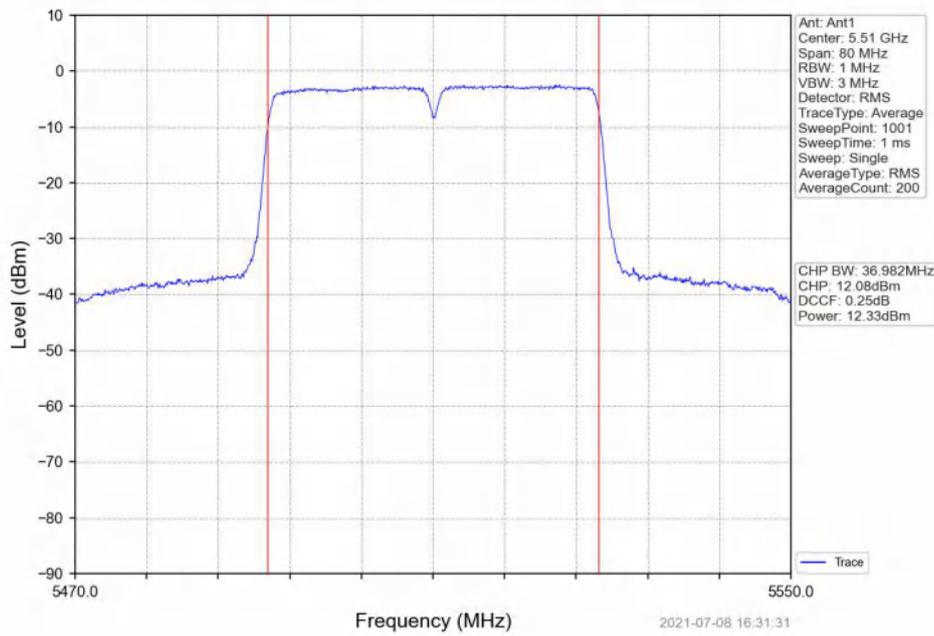
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



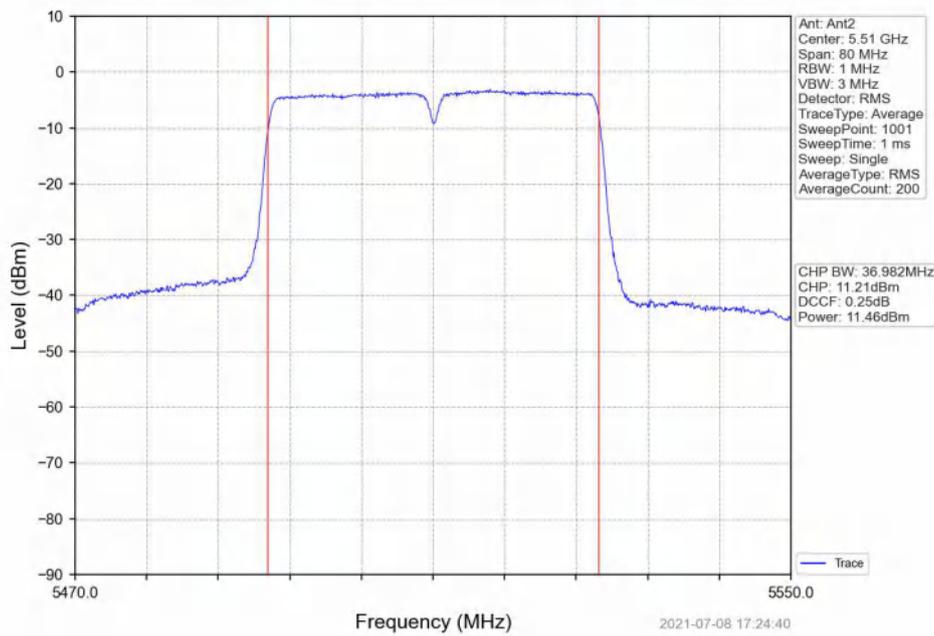
802.11n(HT20)\_HCH\_5700MHz\_Ant2\_NTNV



802.11n(HT40) LCH\_5510MHz\_Ant1\_NTNV



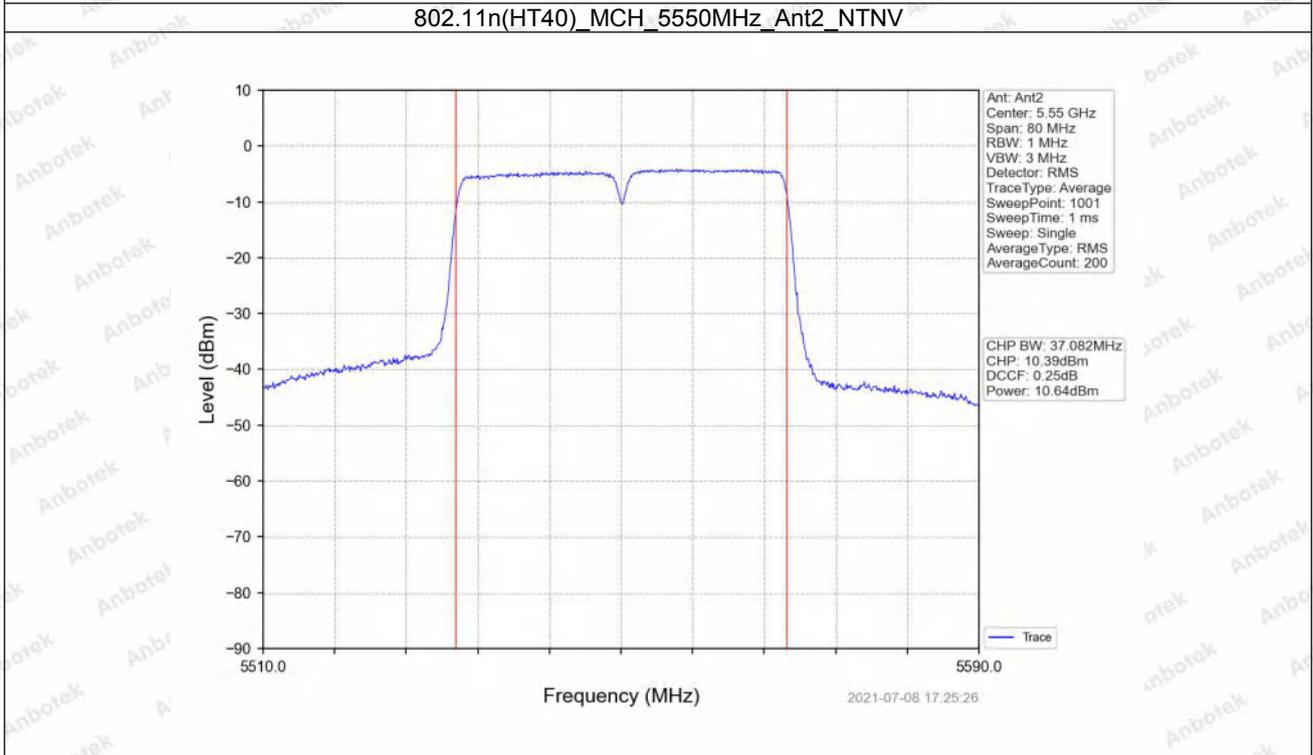
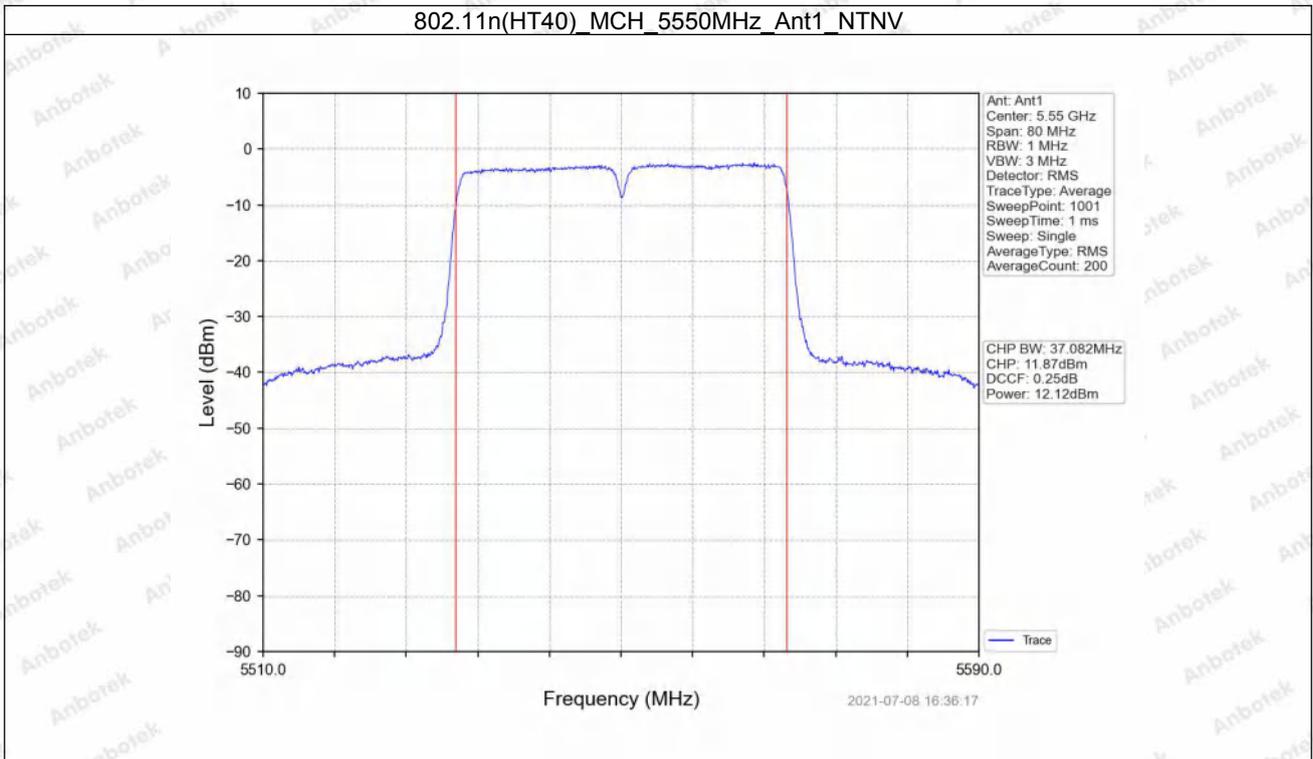
802.11n(HT40) LCH\_5510MHz\_Ant2\_NTNV



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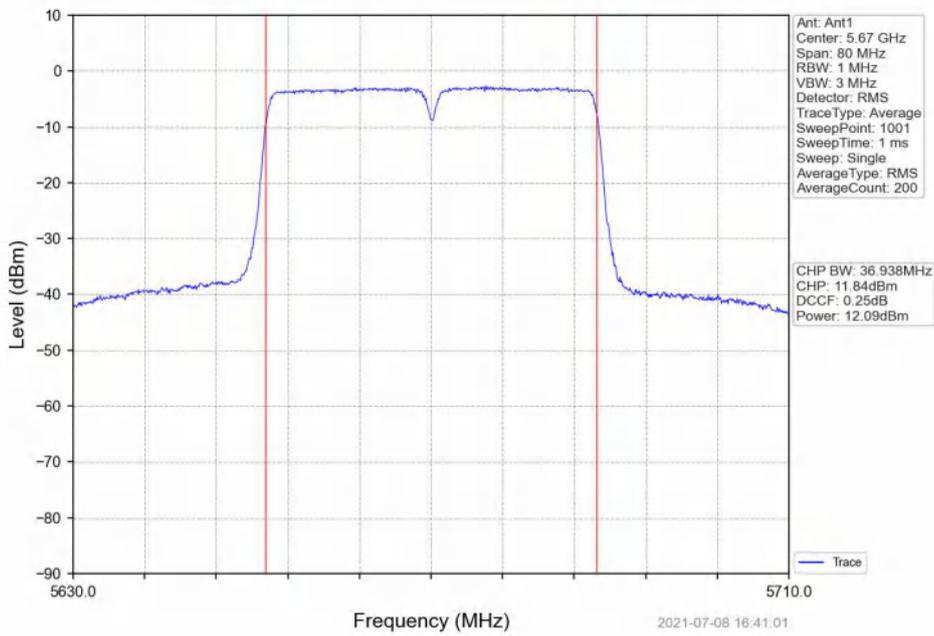


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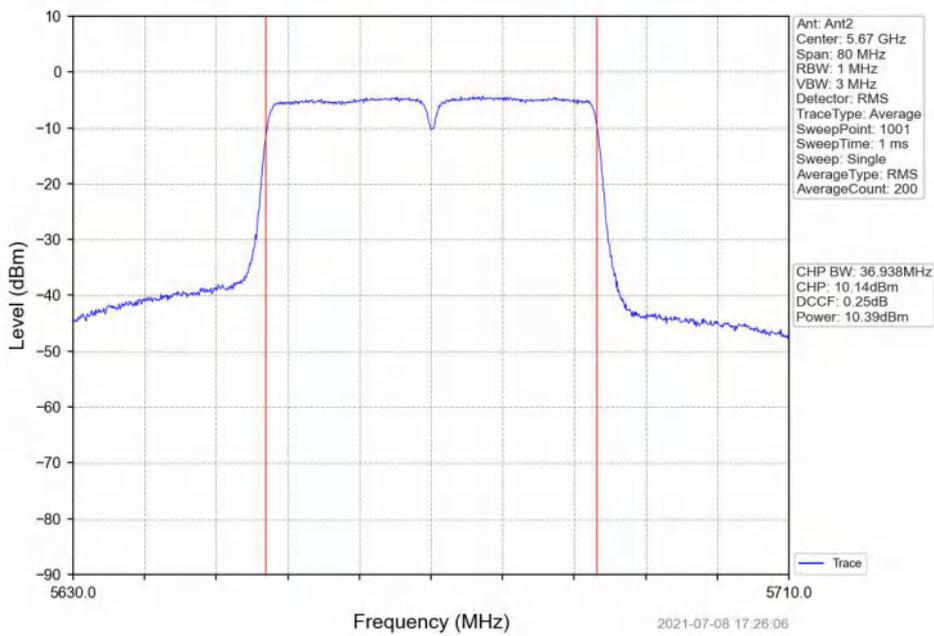
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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5670MHz\_Ant2\_NTNV



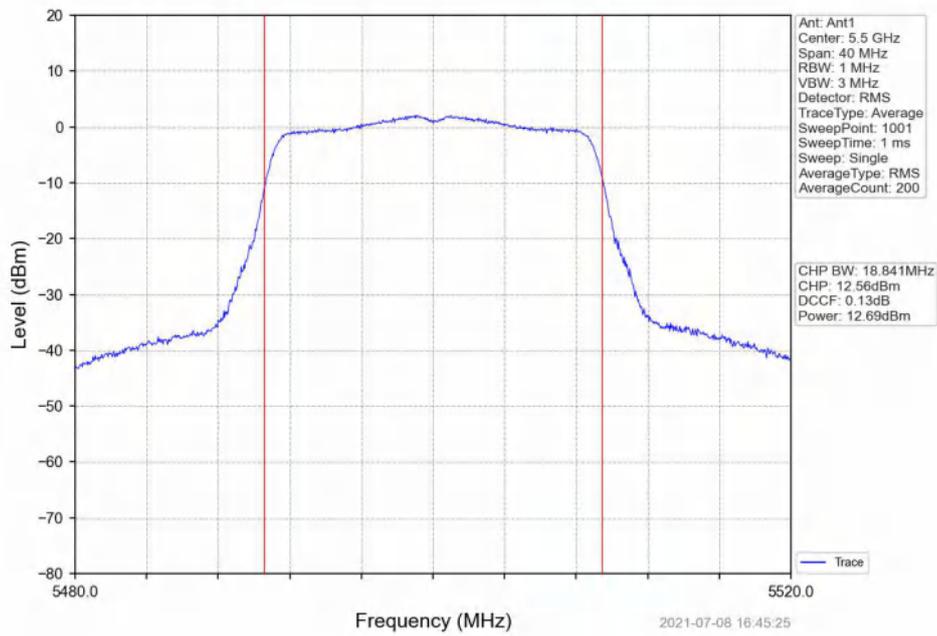
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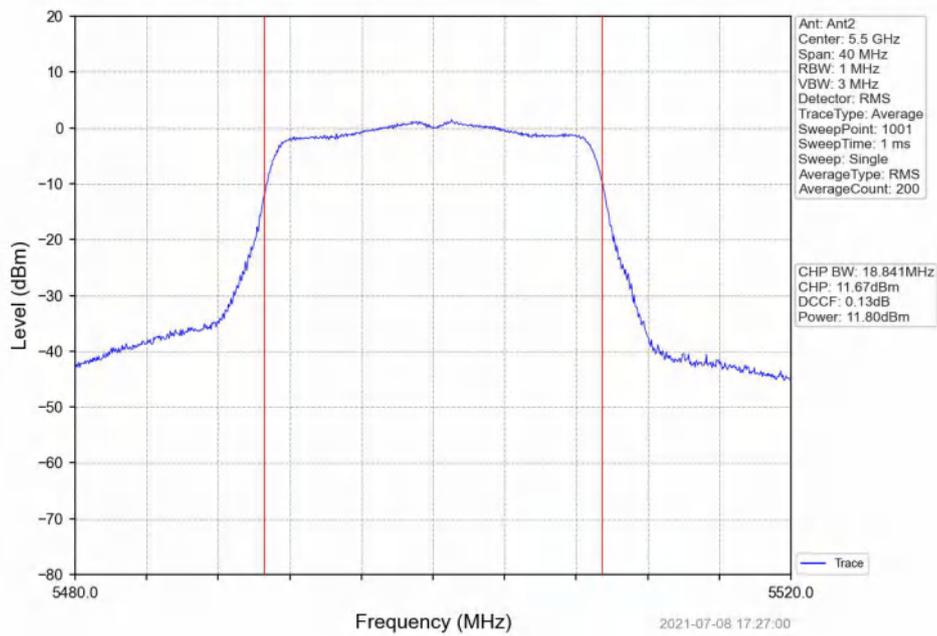
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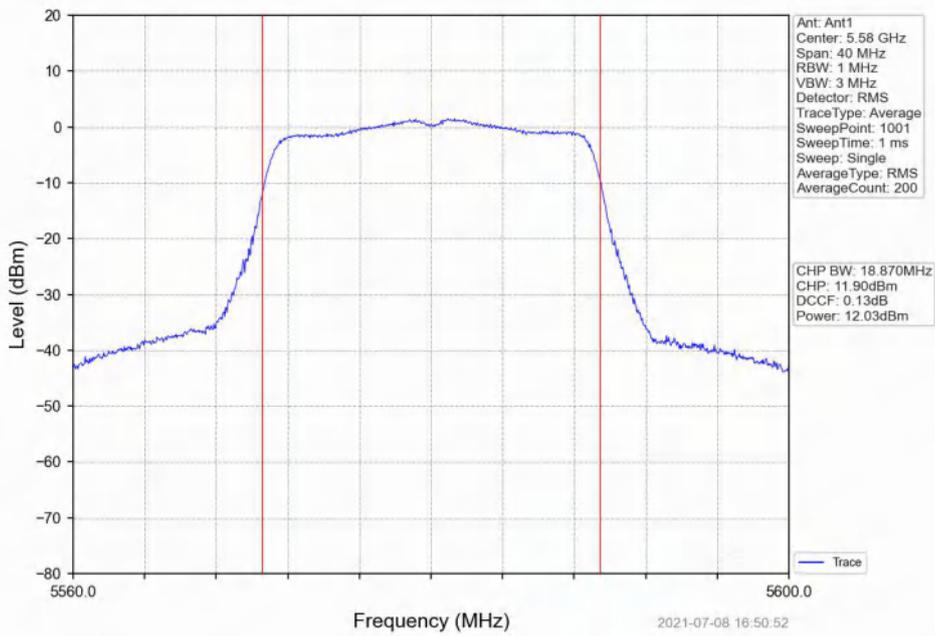
802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



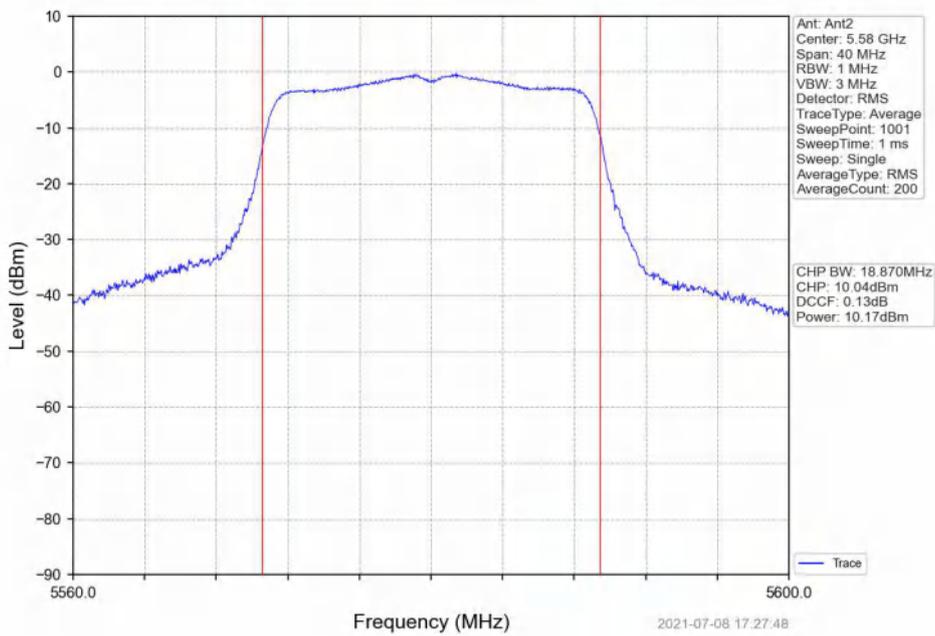
802.11ac(VHT20)\_LCH\_5500MHz\_Ant2\_NTNV



802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5580MHz\_Ant2\_NTNV



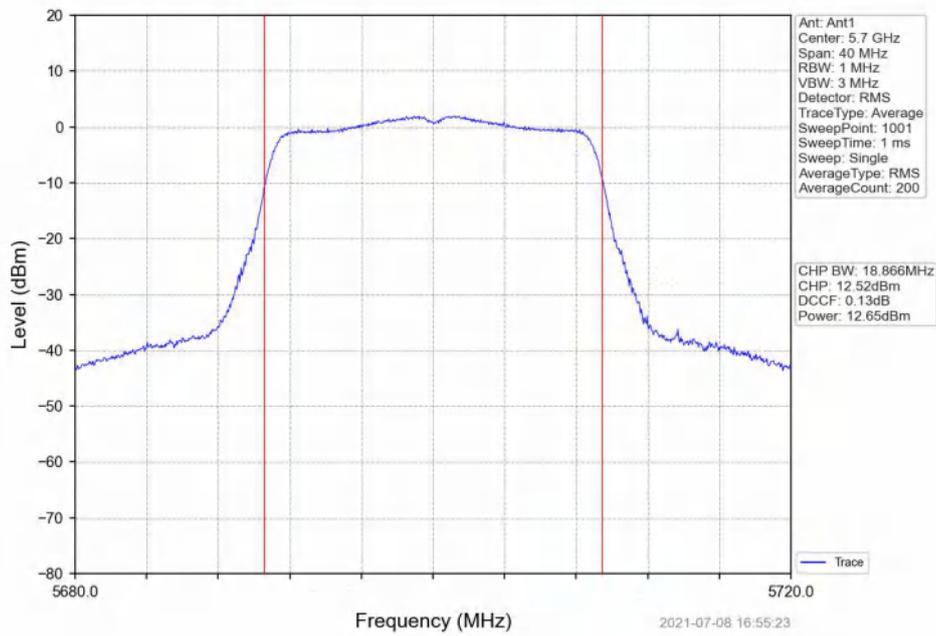
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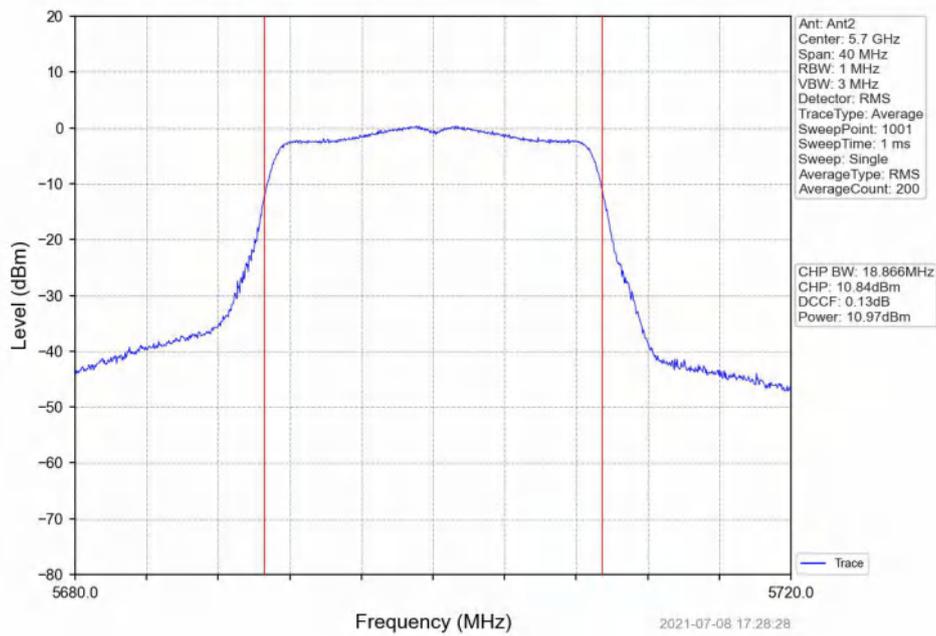
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5700MHz\_Ant2\_NTNV

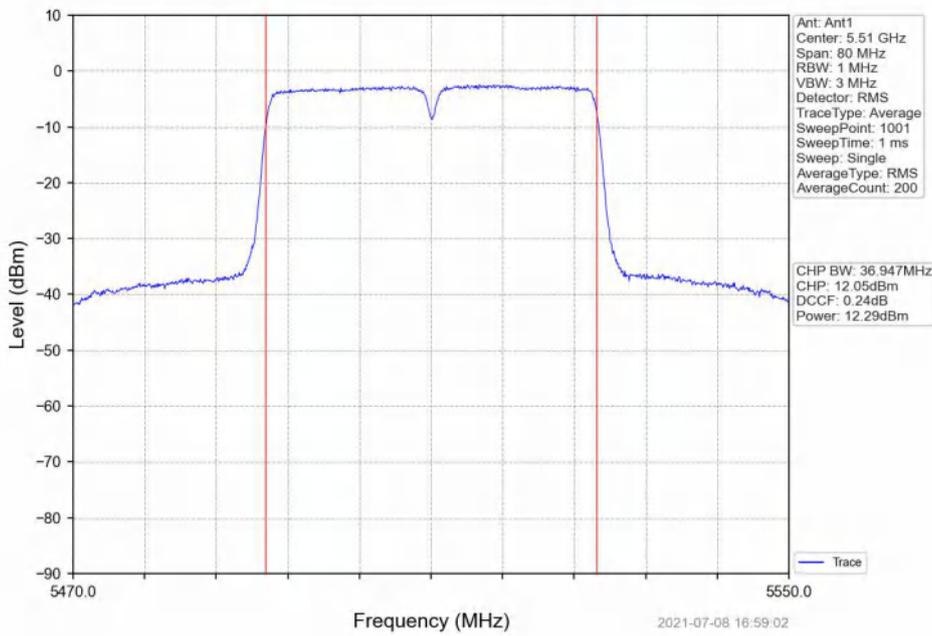


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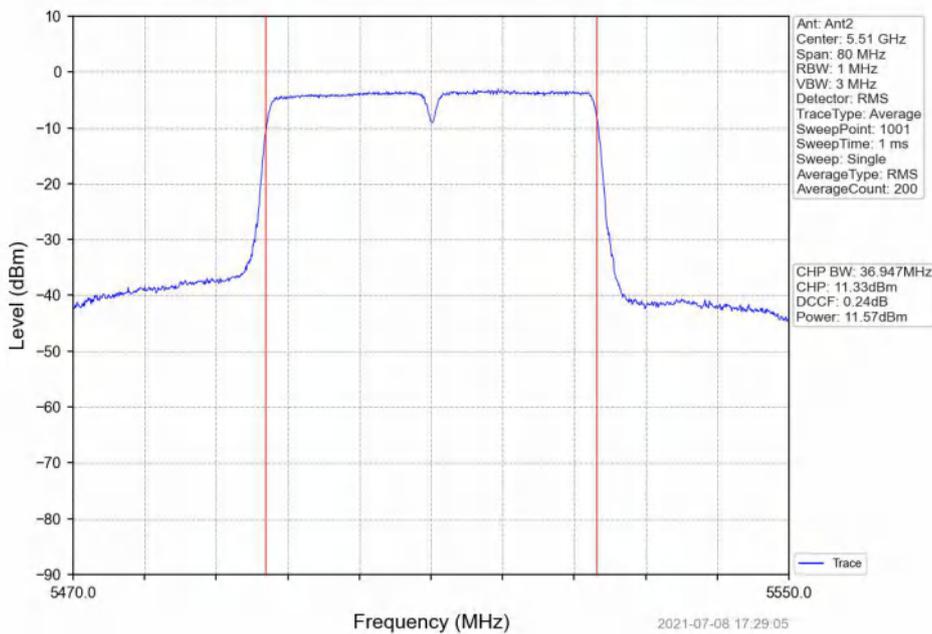
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5510MHz\_Ant2\_NTNV



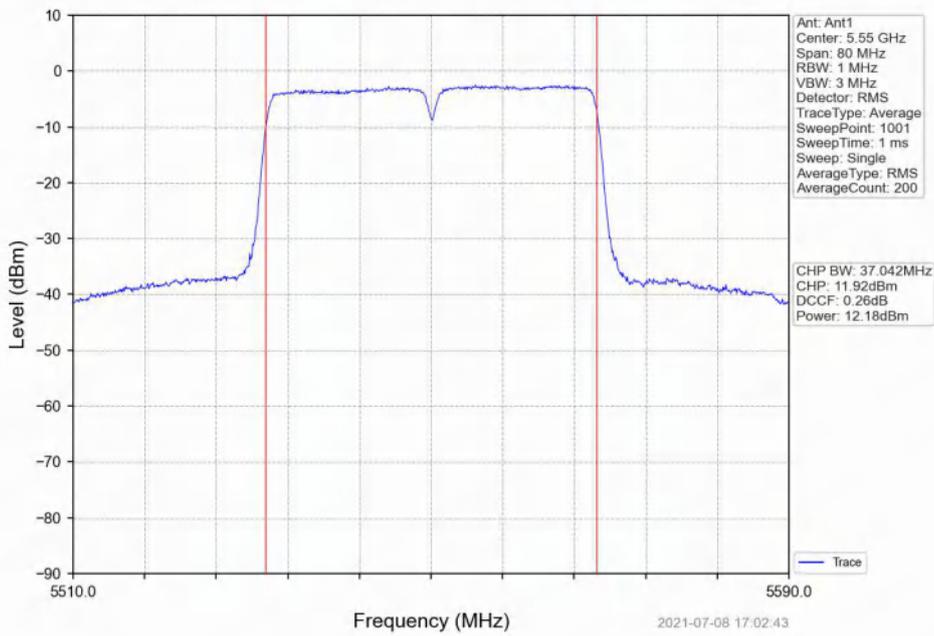
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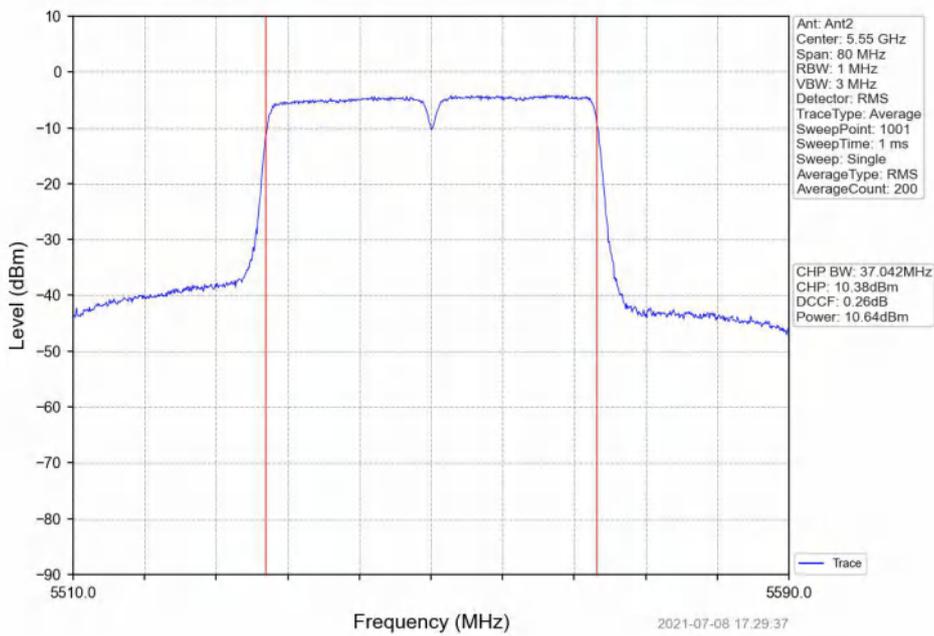
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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant2\_NTNV



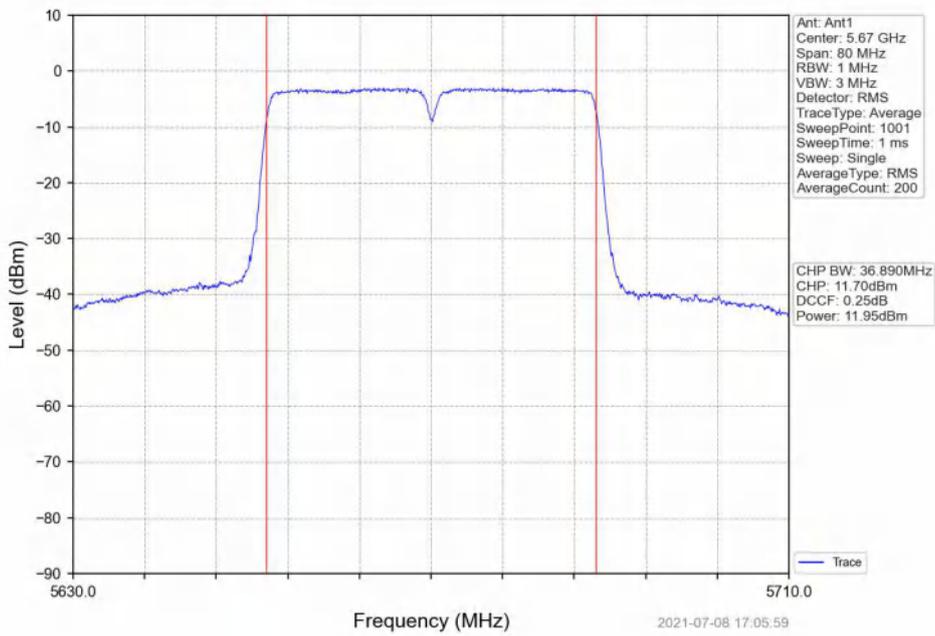
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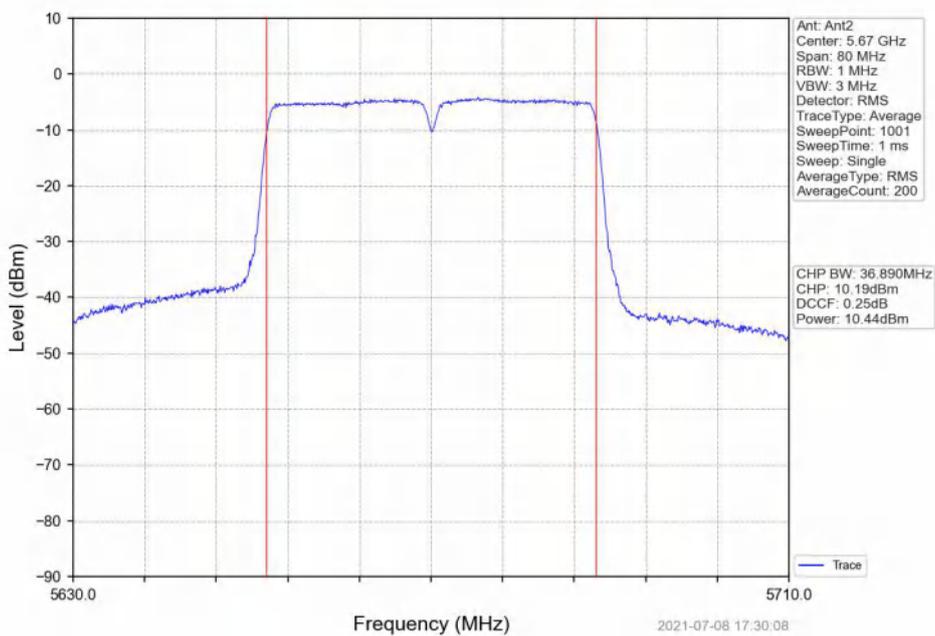
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5670MHz\_Ant2\_NTNV

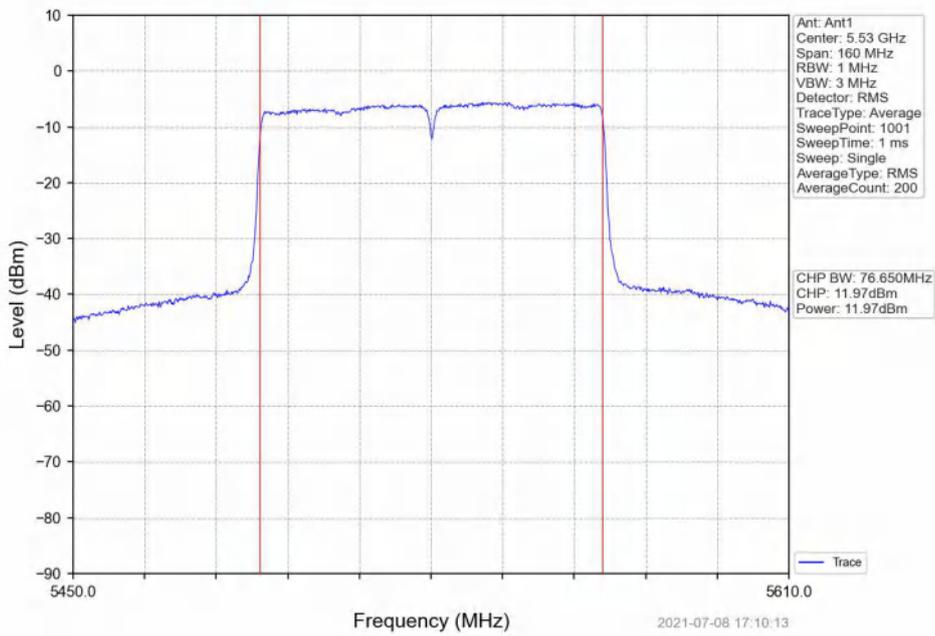


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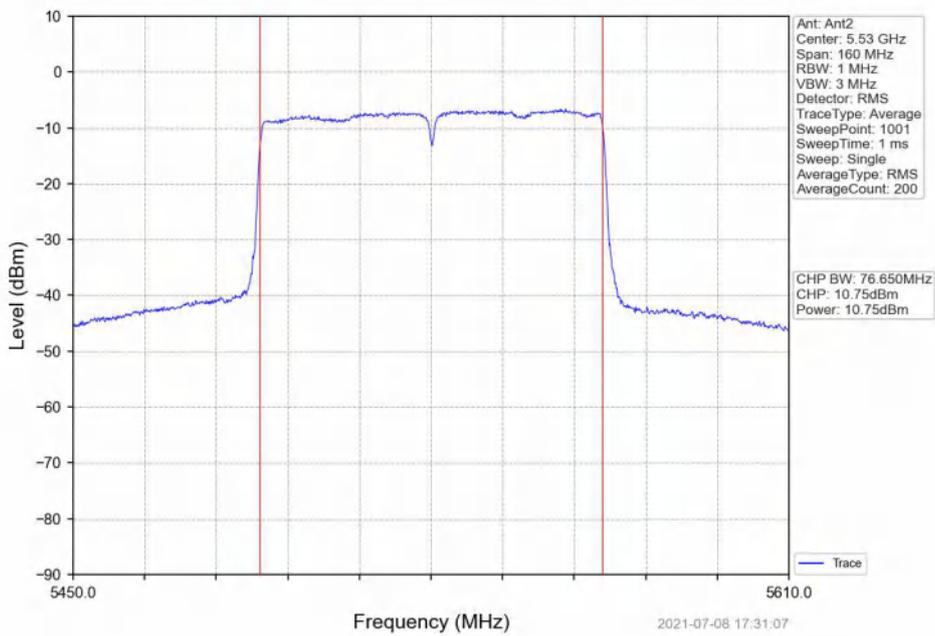
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV



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## 4. Maximum Power Spectral Density

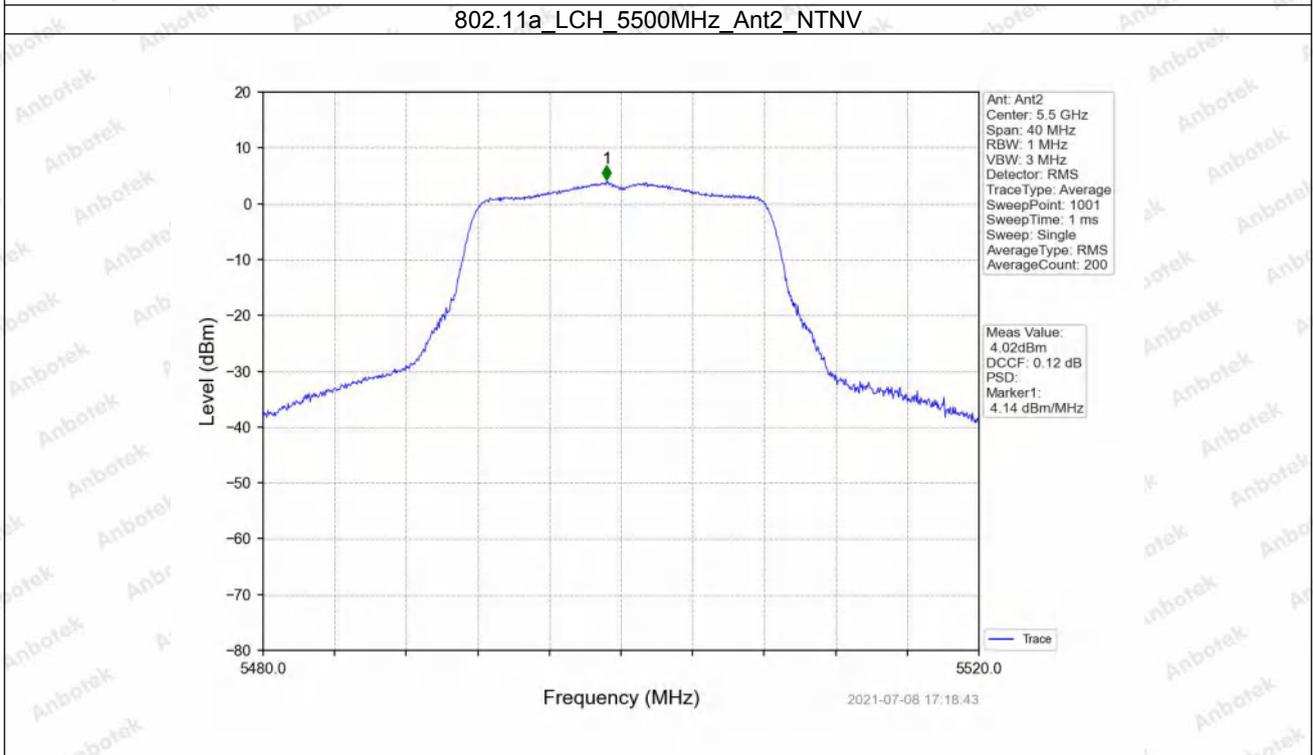
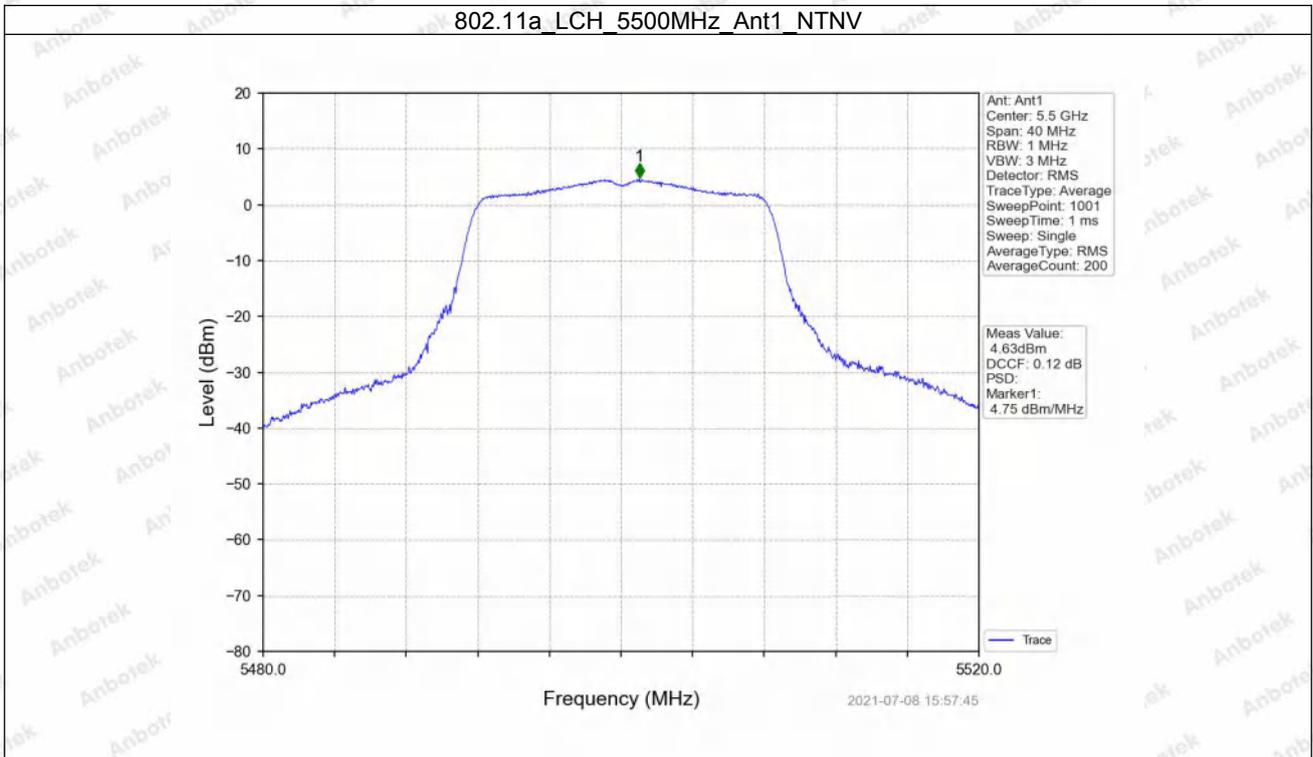
### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Limit	
802.11a	SISO	5500	4.75	4.14	/	<=11	Pass
		5580	4.22	2.48	/	<=11	Pass
		5700	5.02	3.15	/	<=11	Pass
802.11n (HT20)	MIMO	5500	4.54	1.33	6.15	<=11	Pass
		5580	3.87	-0.19	5.21	<=11	Pass
		5700	2.31	0.55	4.45	<=11	Pass
802.11n (HT40)	MIMO	5510	-2.19	-2.98	0.31	<=11	Pass
		5550	-2.30	-3.84	-0.06	<=11	Pass
		5670	-2.68	-4.08	-0.38	<=11	Pass
802.11ac (VHT20)	MIMO	5500	2.44	1.40	4.85	<=11	Pass
		5580	1.66	-0.18	3.76	<=11	Pass
		5700	2.25	0.55	4.43	<=11	Pass
802.11ac (VHT40)	MIMO	5510	-2.13	-2.94	0.44	<=11	Pass
		5550	-2.40	-3.79	-0.15	<=11	Pass
		5670	-2.59	-4.18	-0.39	<=11	Pass
802.11ac (VHT80)	MIMO	5530	-5.72	-6.68	-3.22	<=11	Pass

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

## Test Graph



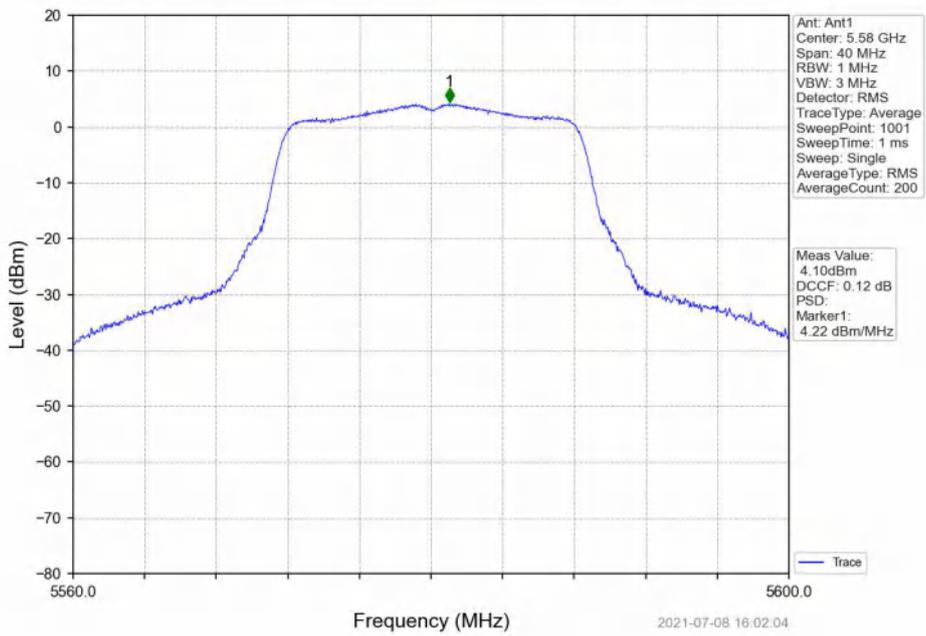
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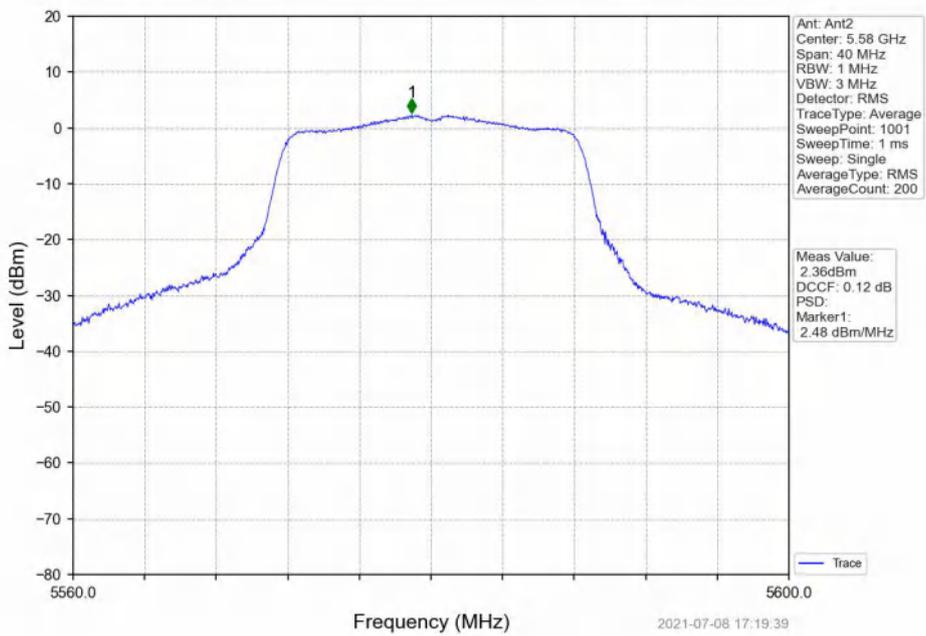
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802.11a\_MCH\_5580MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant2\_NTNV



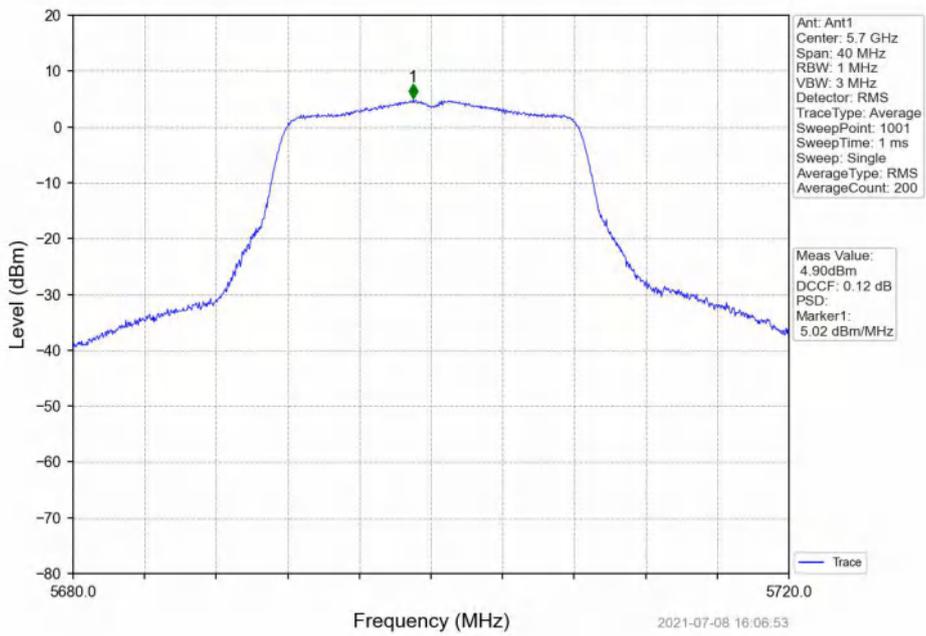
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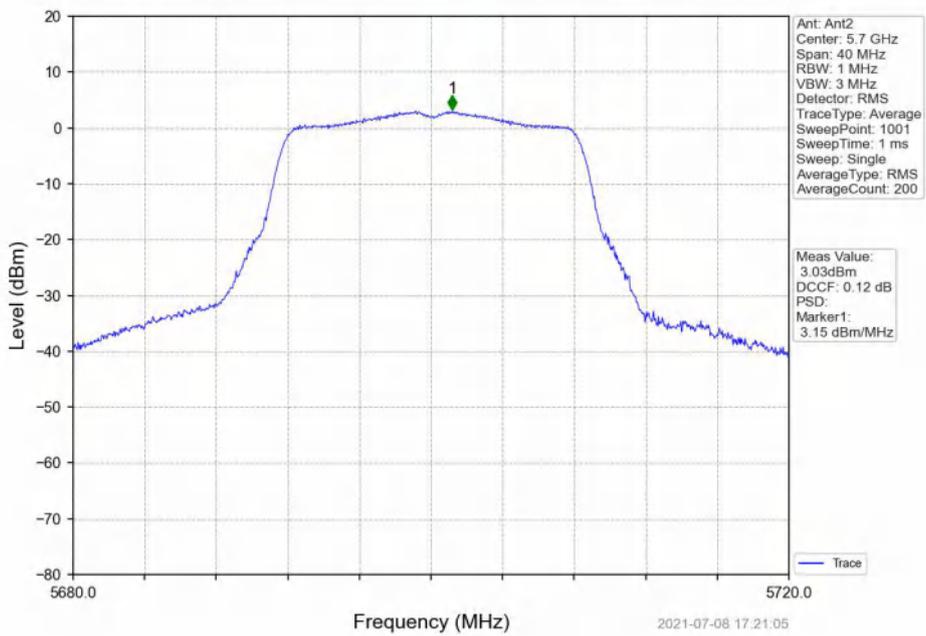
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www.anbotek.com

802.11a\_HCH\_5700MHz\_Ant1\_NTNV



802.11a\_HCH\_5700MHz\_Ant2\_NTNV



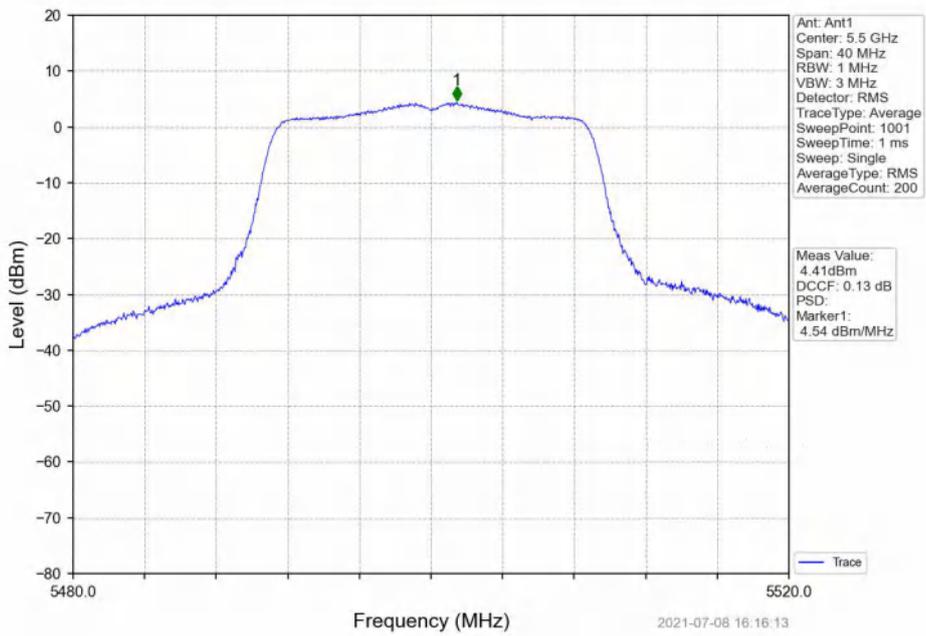
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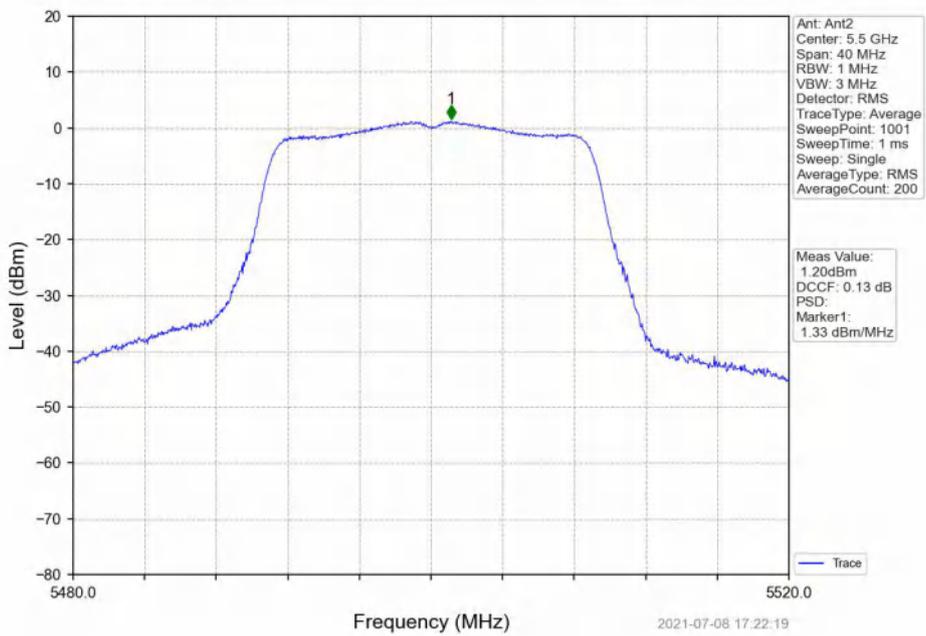
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5500MHz\_Ant2\_NTNV



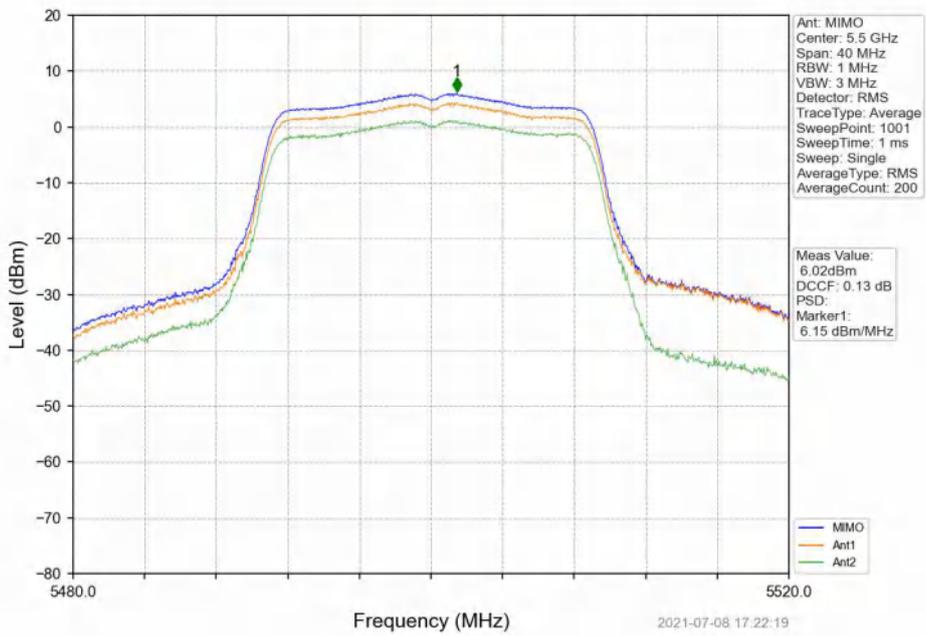
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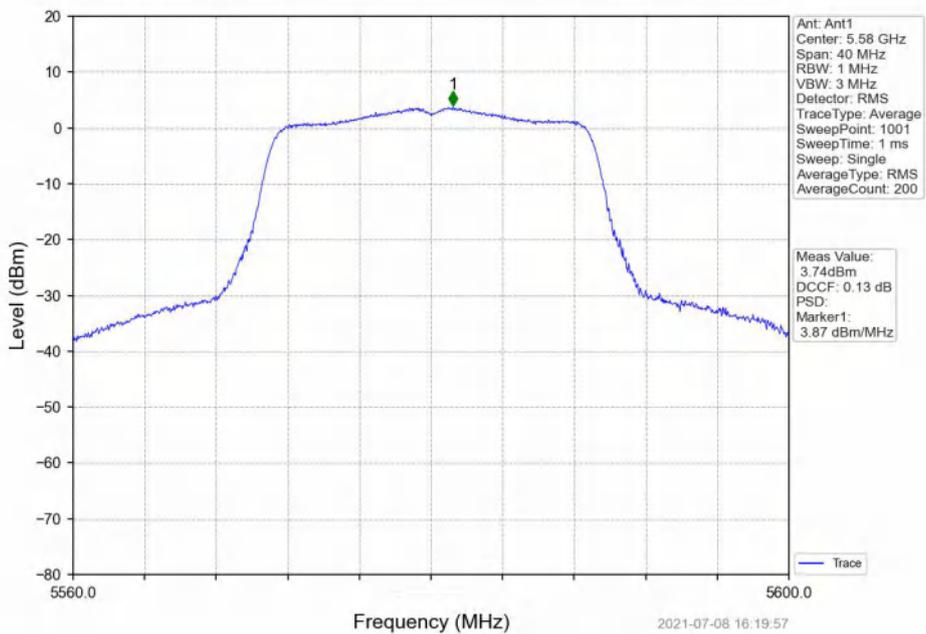
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802.11n(HT20)\_LCH\_5500MHz\_MIMO\_NTNV



802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV

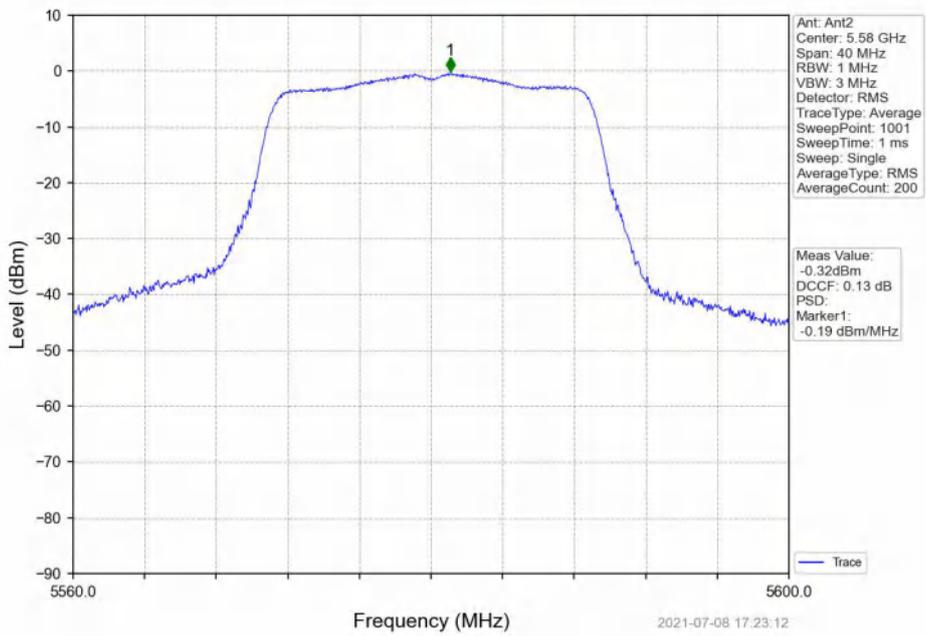


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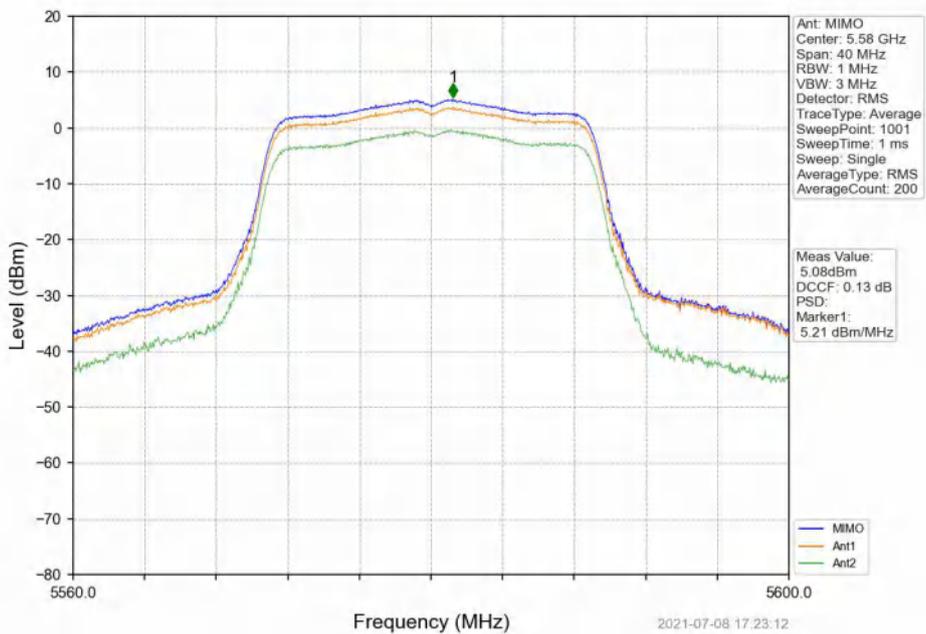
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802.11n(HT20)\_MCH\_5580MHz\_Ant2\_NTNV



802.11n(HT20)\_MCH\_5580MHz\_MIMO\_NTNV



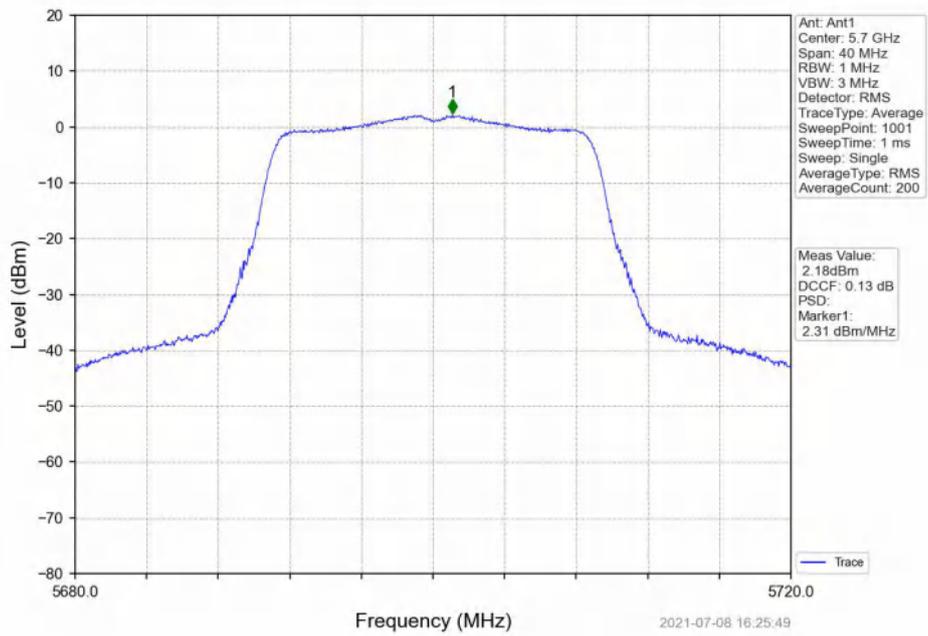
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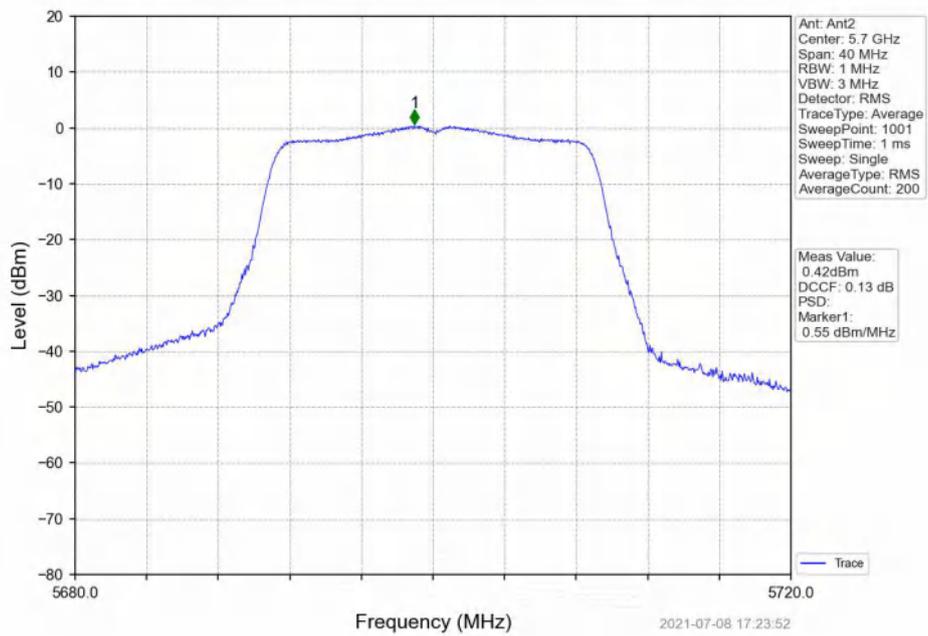
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5700MHz\_Ant2\_NTNV

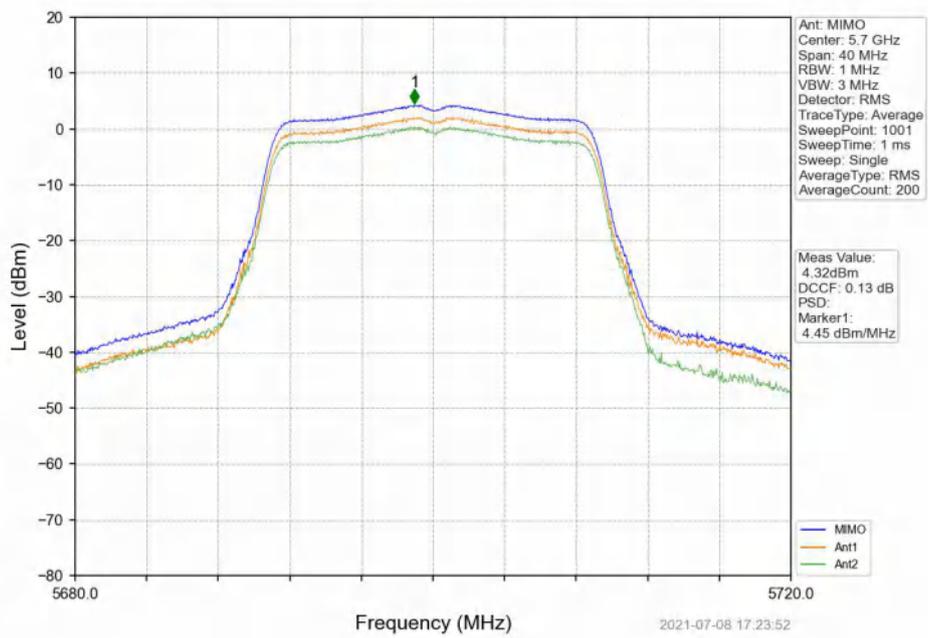


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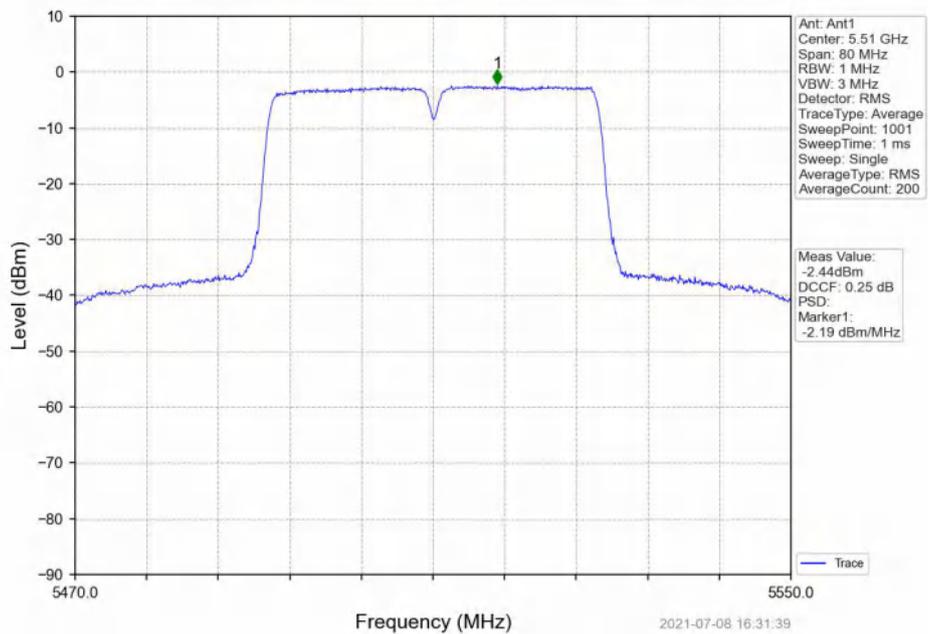
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802.11n(HT20)\_HCH\_5700MHz\_MIMO\_NTNV



802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



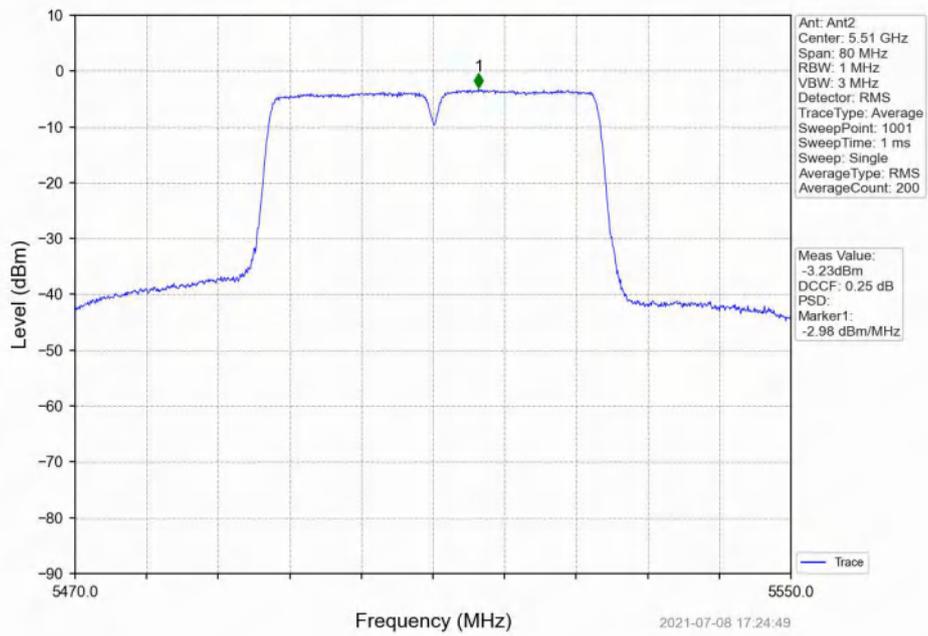
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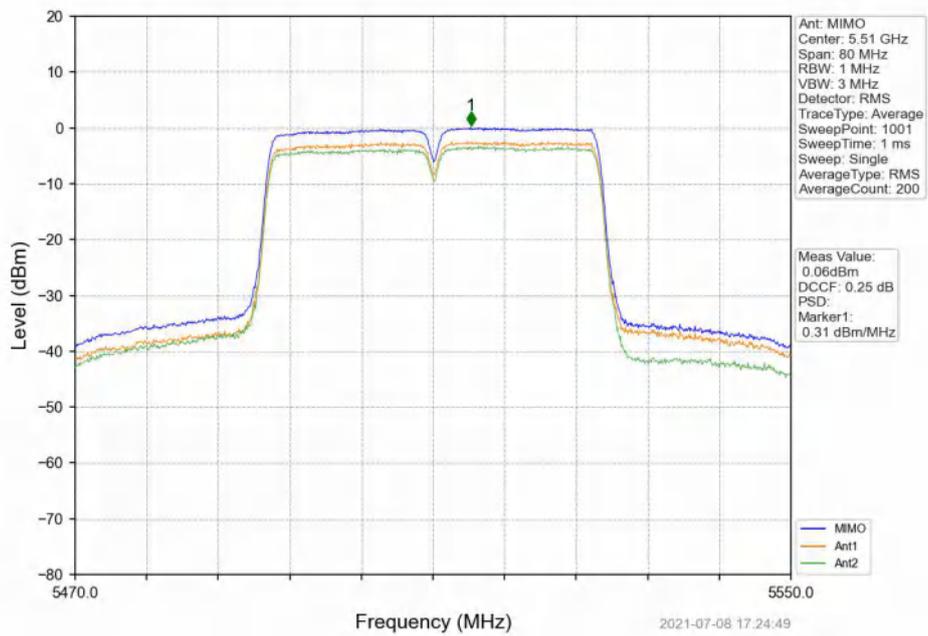
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802.11n(HT40)\_LCH\_5510MHz\_Ant2\_NTNV



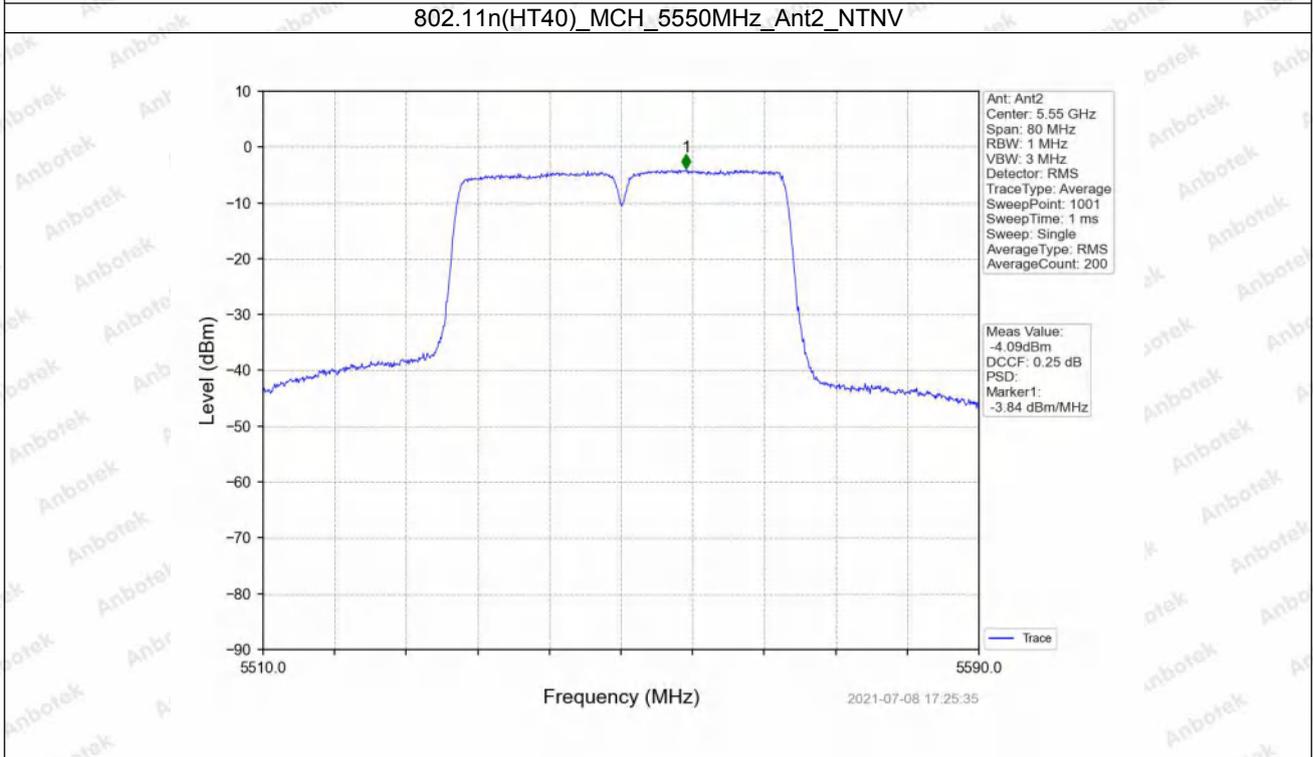
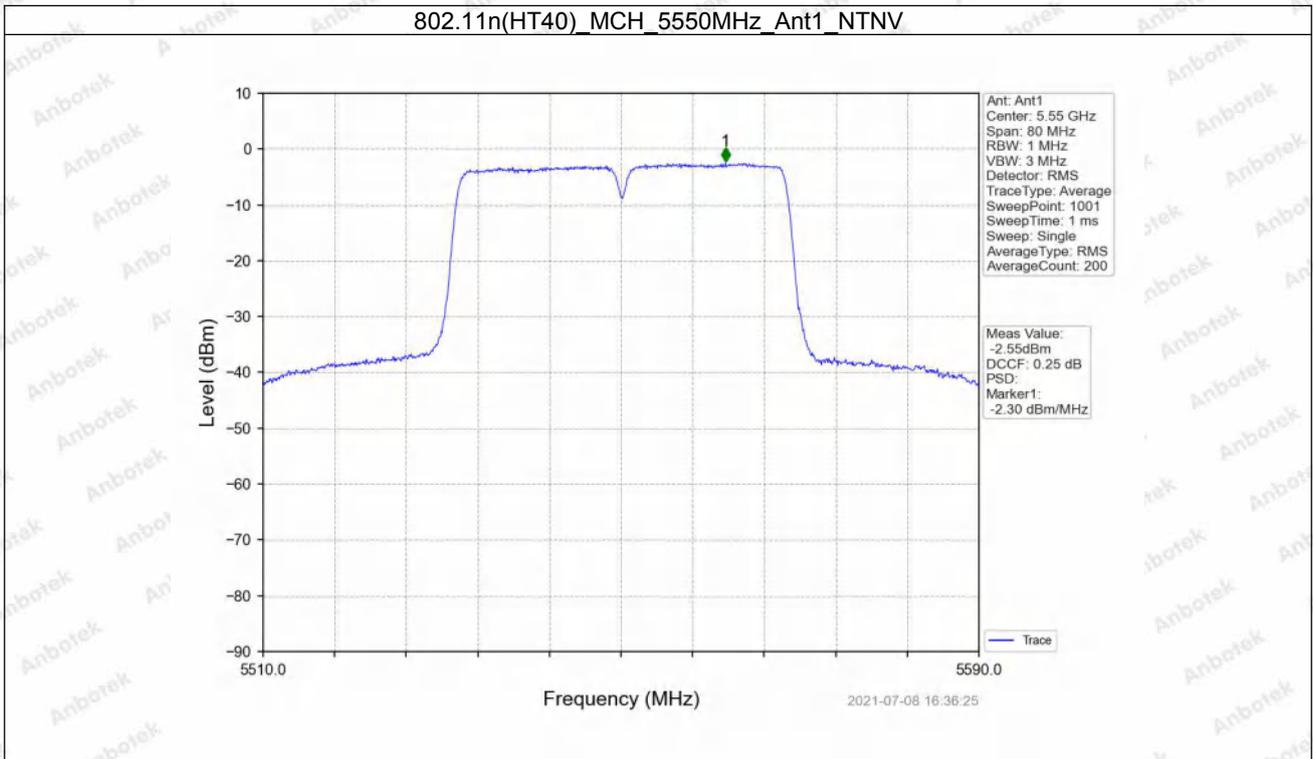
802.11n(HT40)\_LCH\_5510MHz\_MIMO\_NTNV



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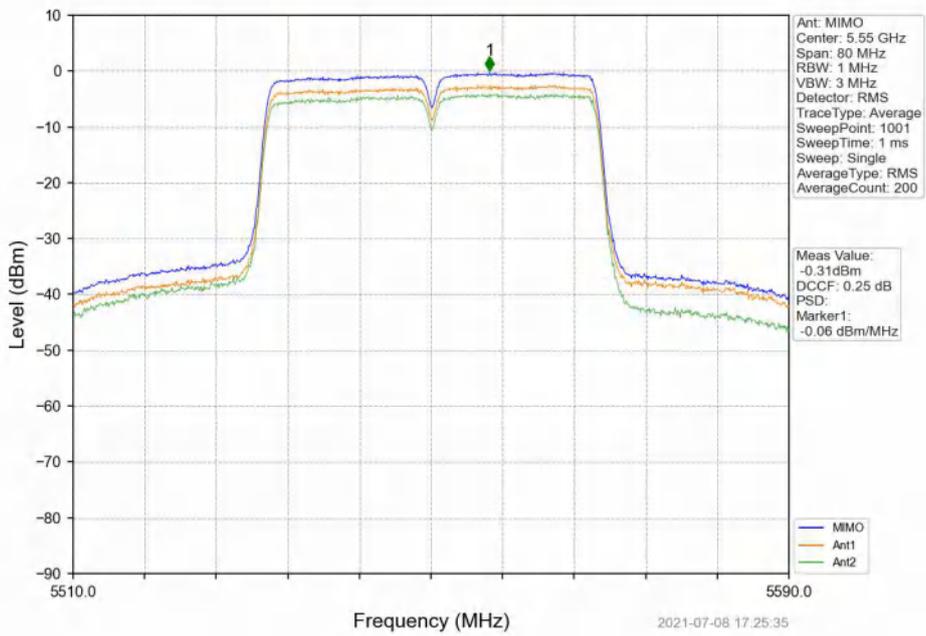


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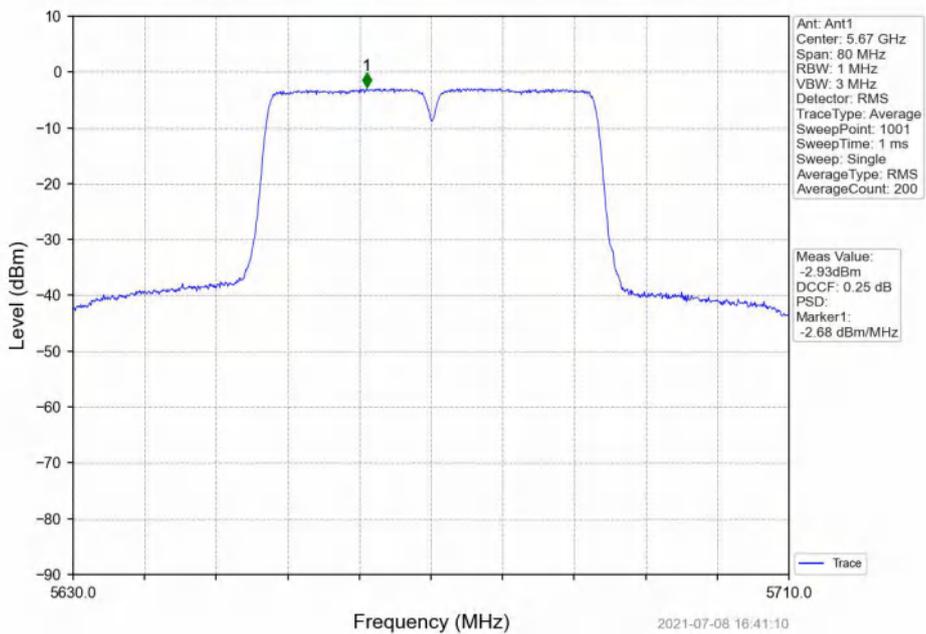
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### 802.11n(HT40)\_MCH\_5550MHz\_MIMO\_NTNV



### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



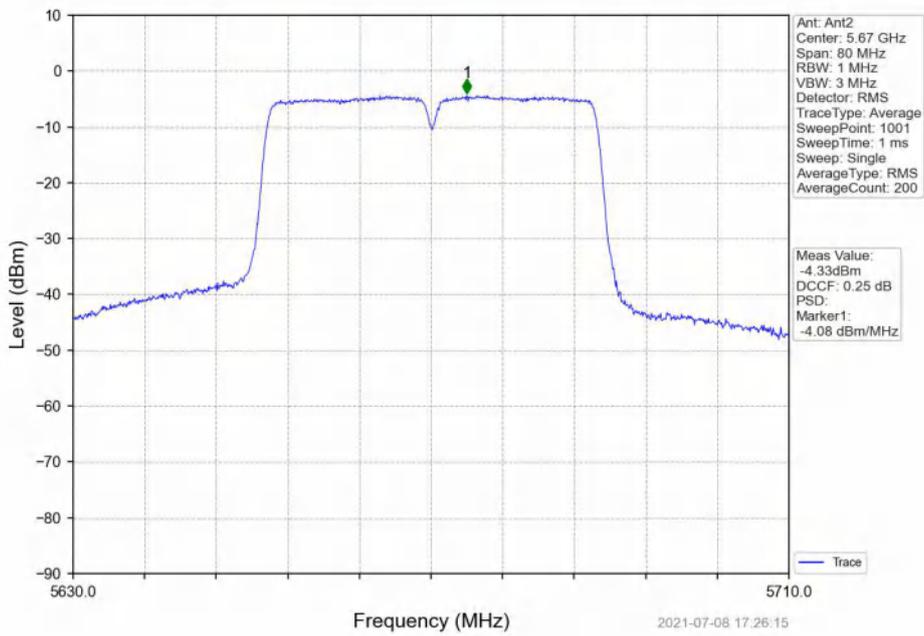
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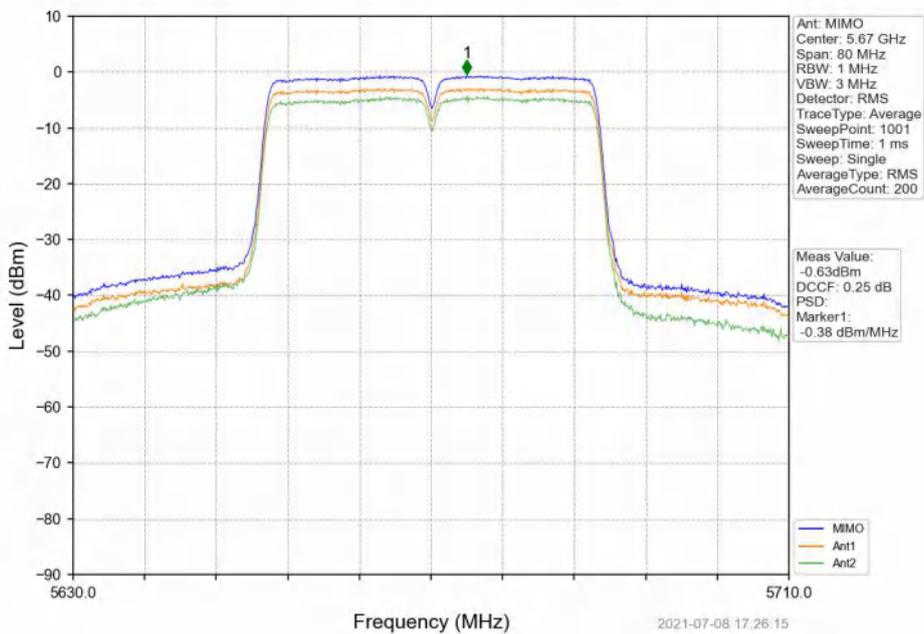
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802.11n(HT40)\_HCH\_5670MHz\_Ant2\_NTNV



802.11n(HT40)\_HCH\_5670MHz\_MIMO\_NTNV



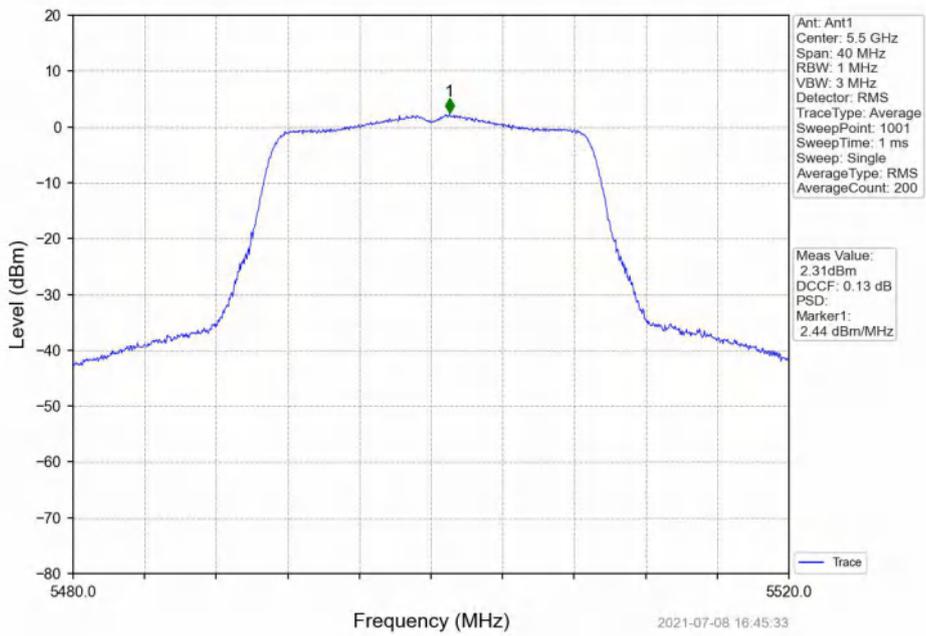
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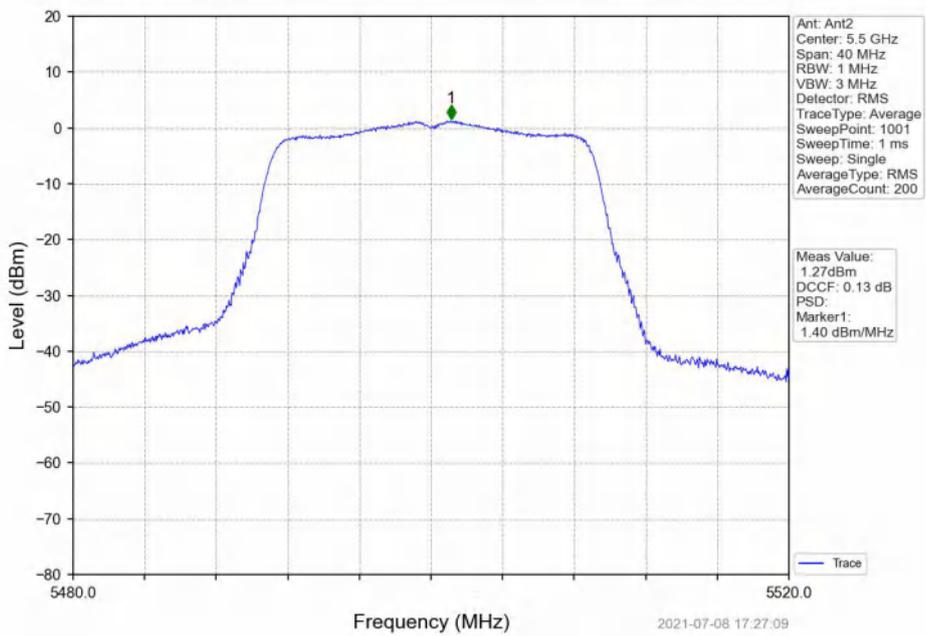
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802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5500MHz\_Ant2\_NTNV



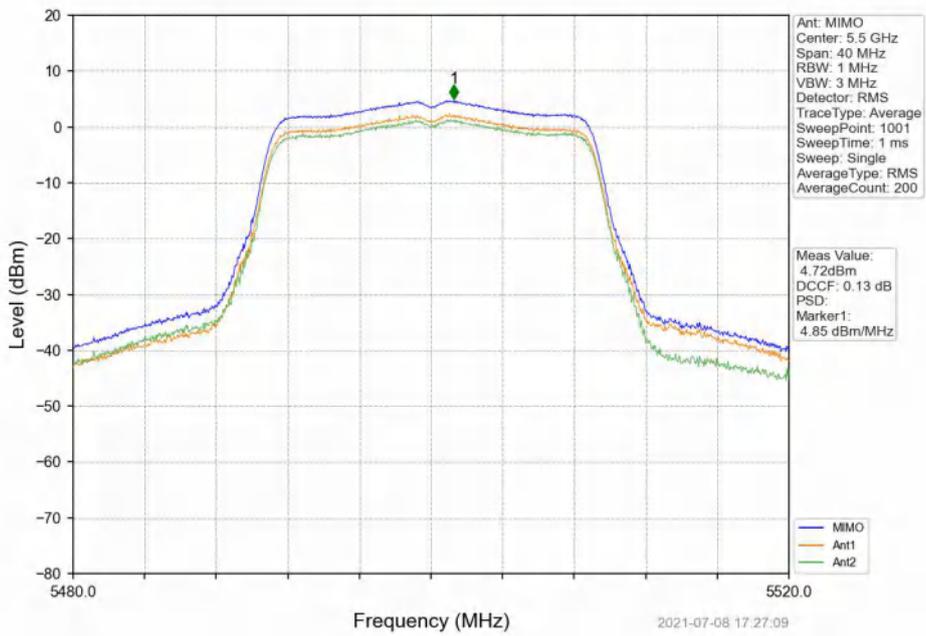
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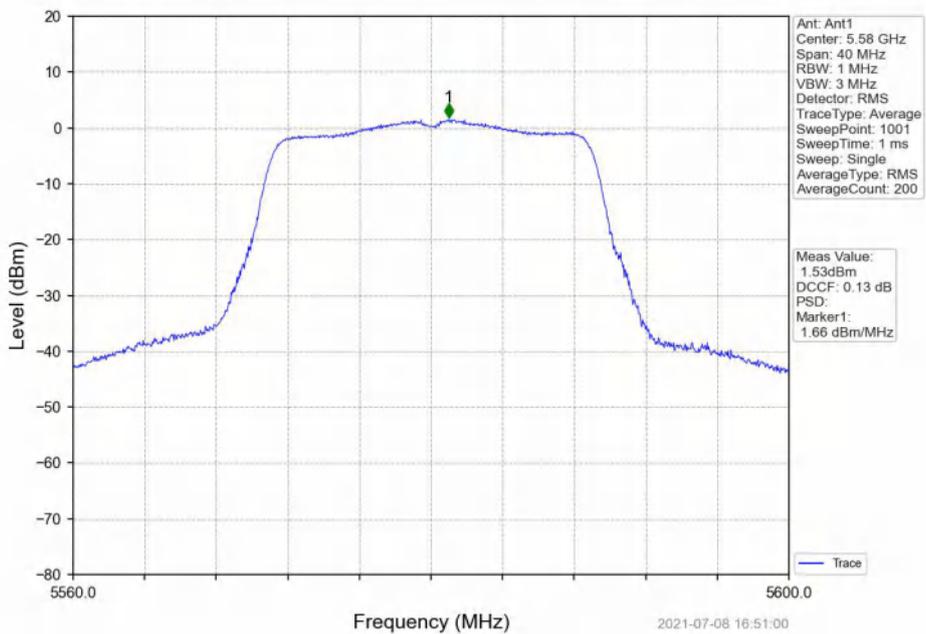
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802.11ac(VHT20)\_LCH\_5500MHz\_MIMO\_NTNV



802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



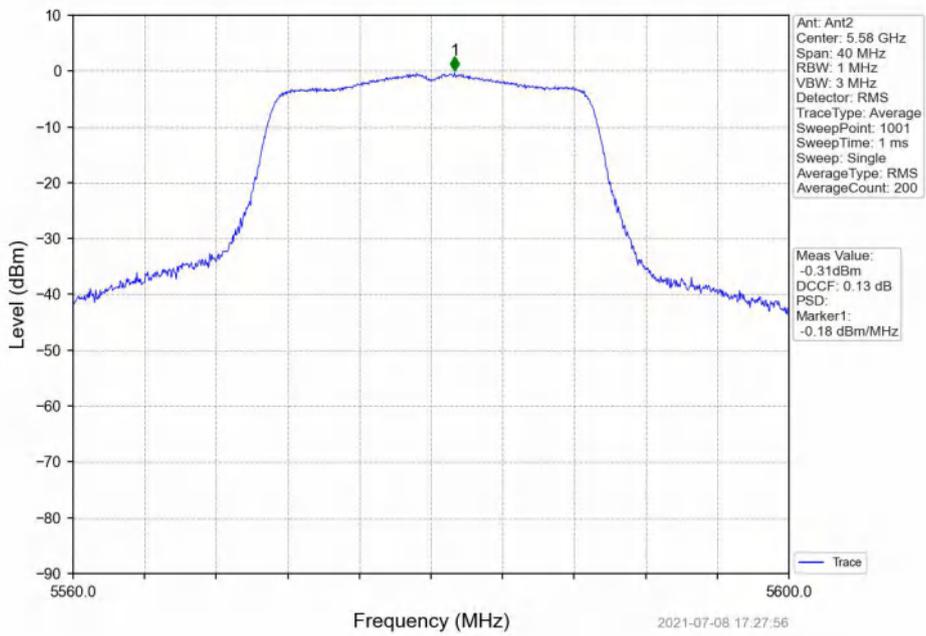
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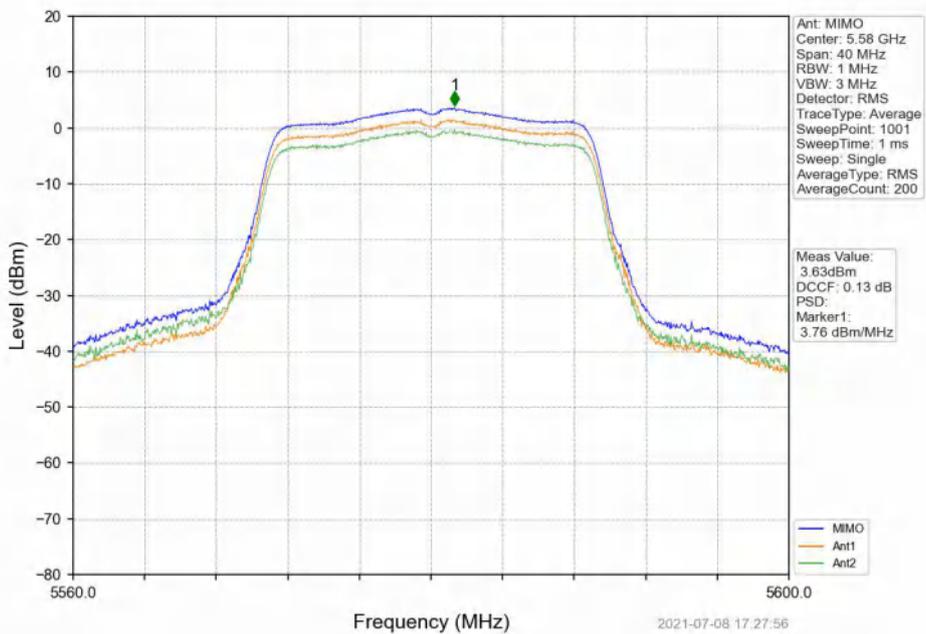
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802.11ac(VHT20)\_MCH\_5580MHz\_Ant2\_NTNV



802.11ac(VHT20)\_MCH\_5580MHz\_MIMO\_NTNV



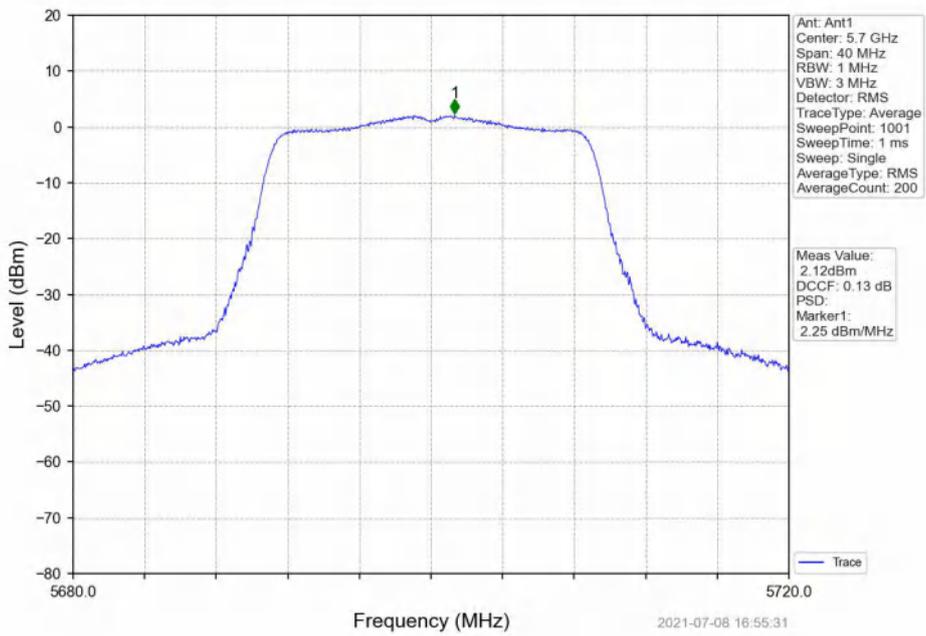
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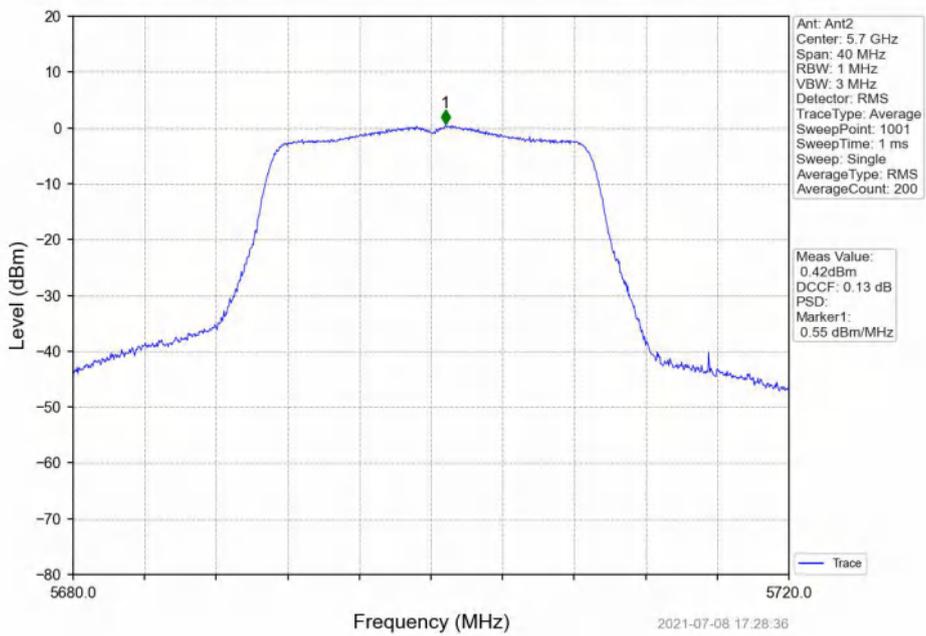
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802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5700MHz\_Ant2\_NTNV



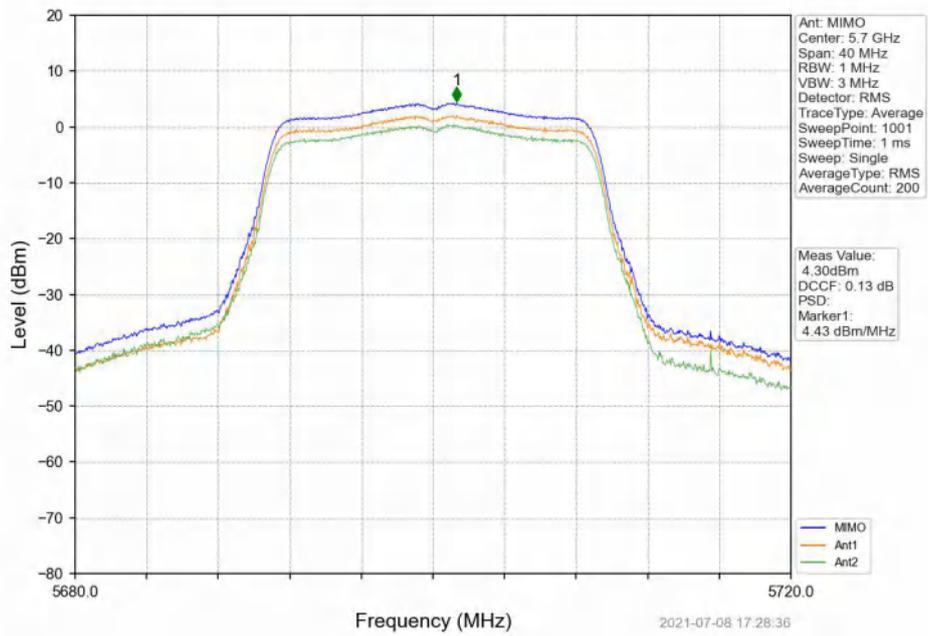
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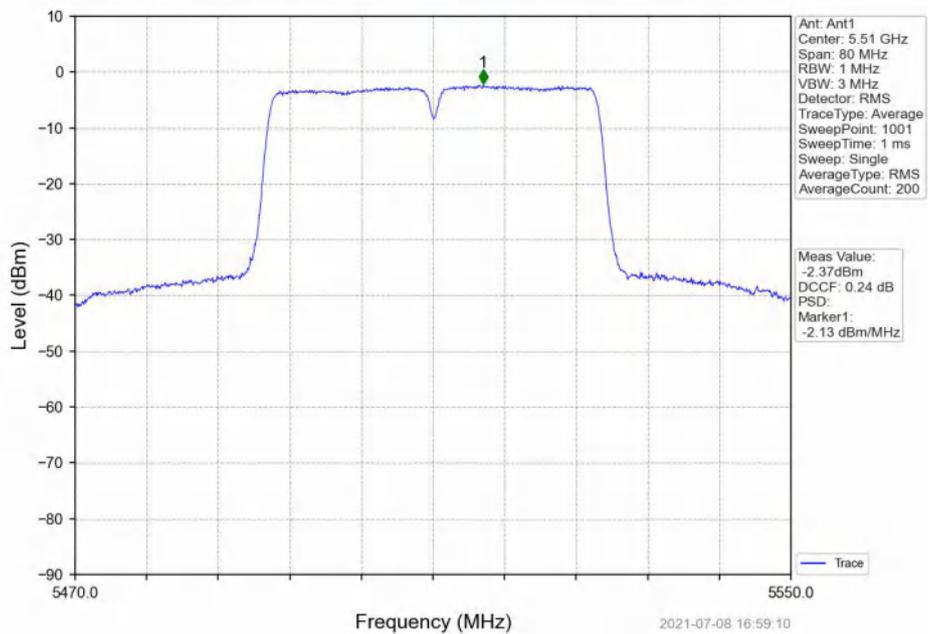
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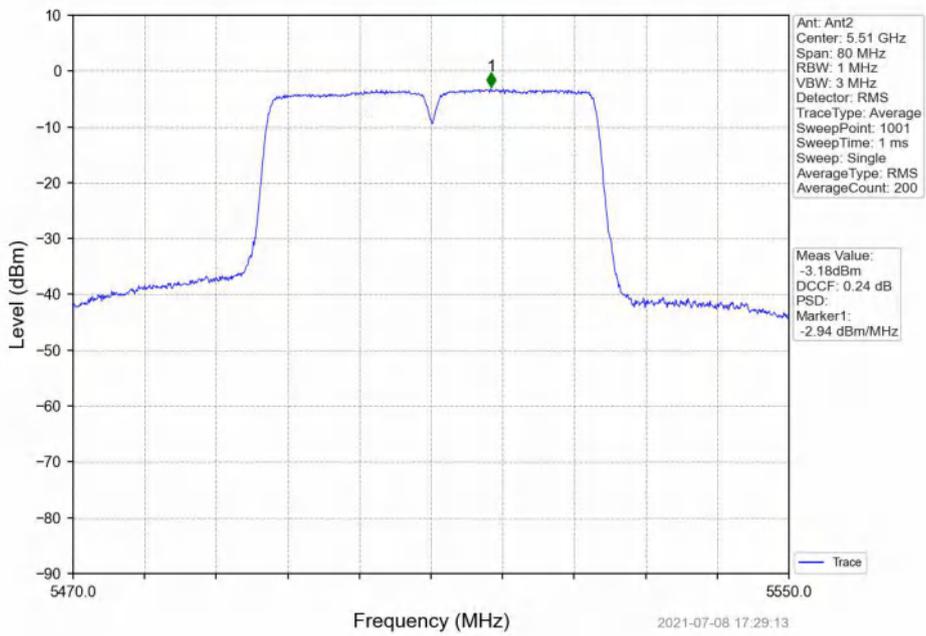
802.11ac(VHT20)\_HCH\_5700MHz\_MIMO\_NTNV



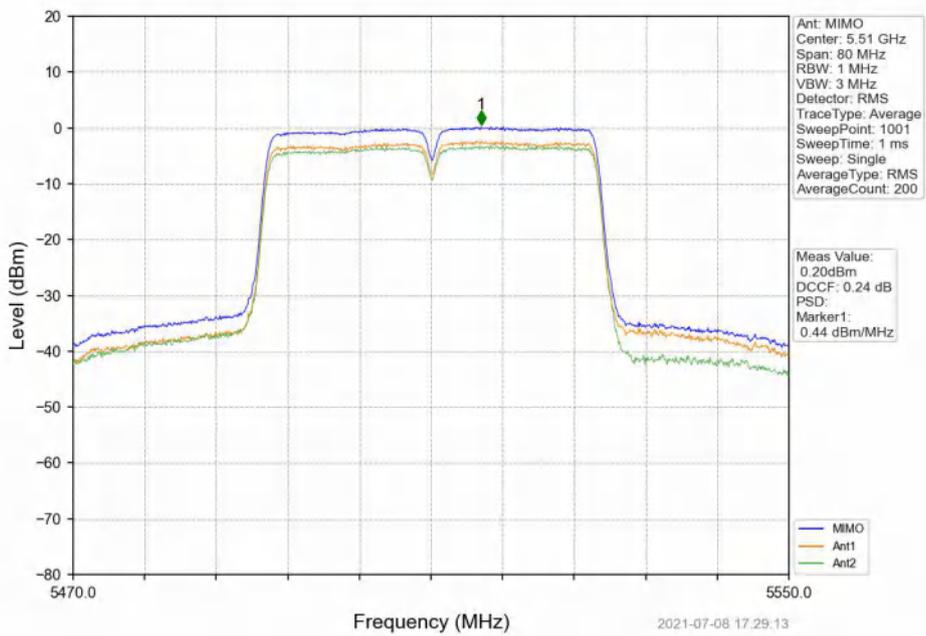
802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



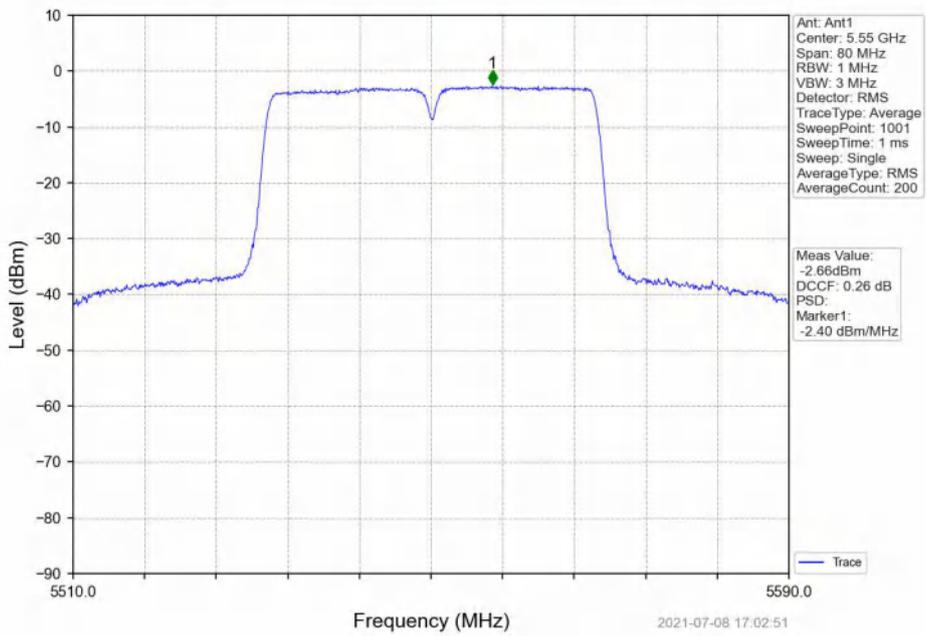
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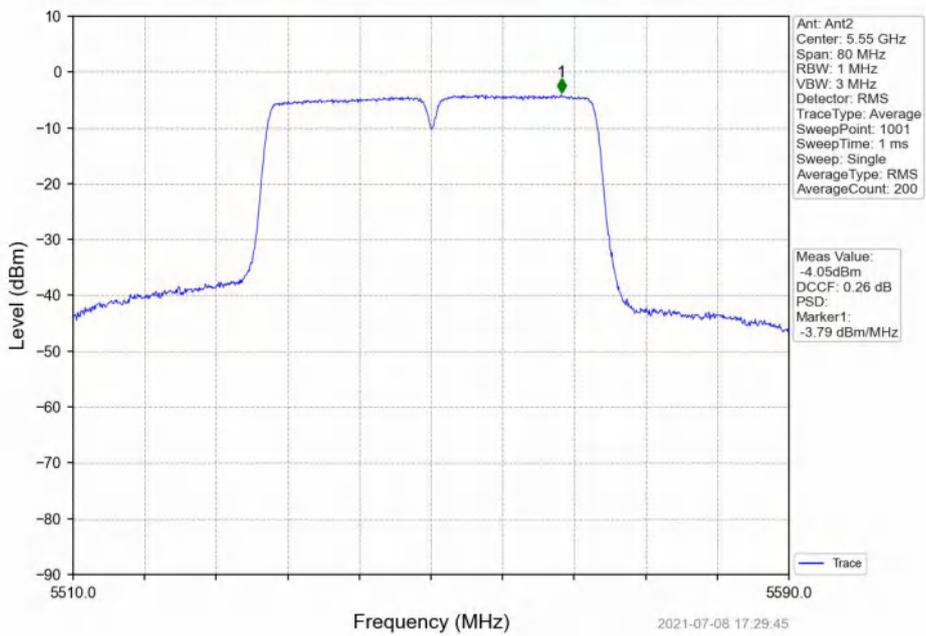
802.11ac(VHT40)\_LCH\_5510MHz\_MIMO\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant2\_NTNV



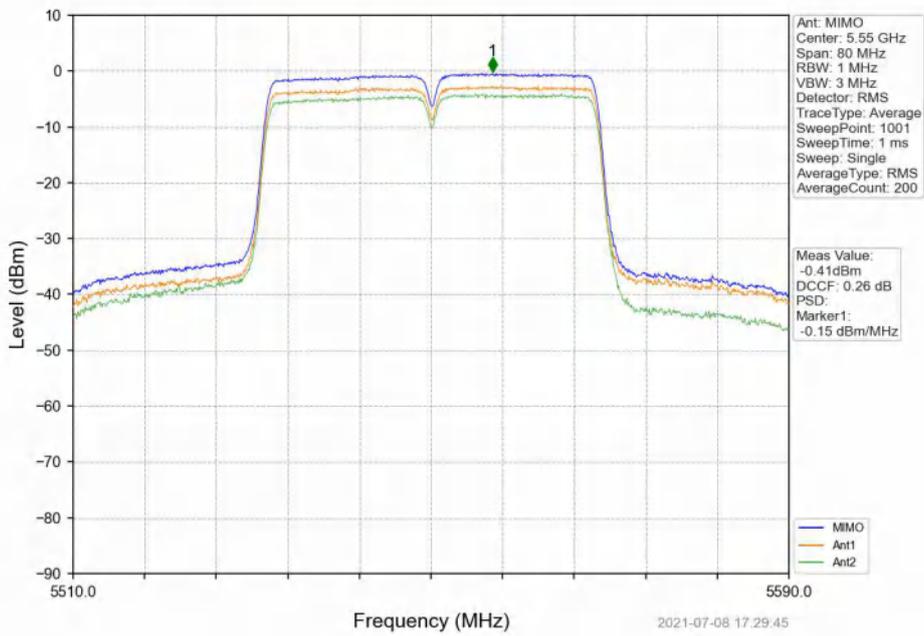
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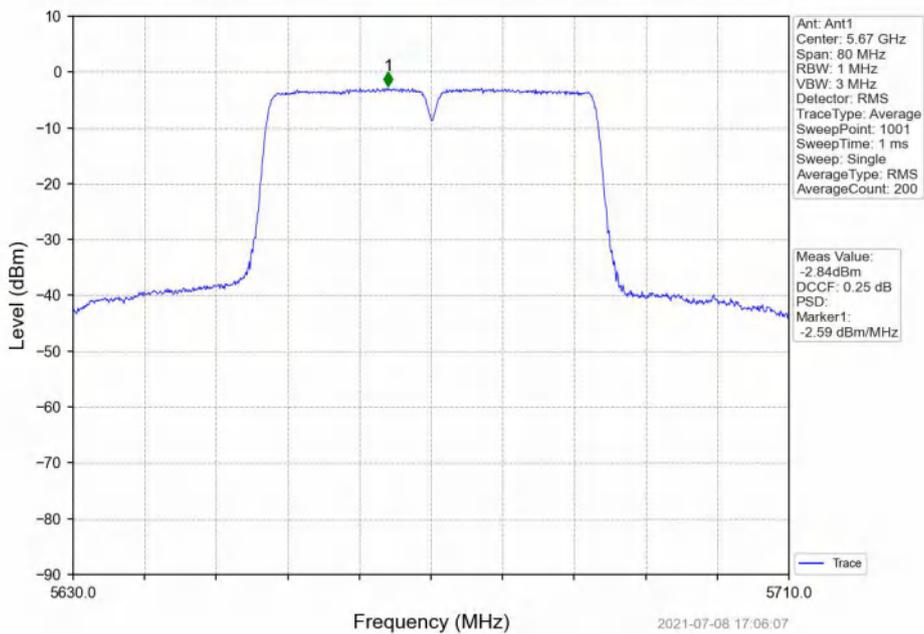
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802.11ac(VHT40)\_MCH\_5550MHz\_MIMO\_NTNV



802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



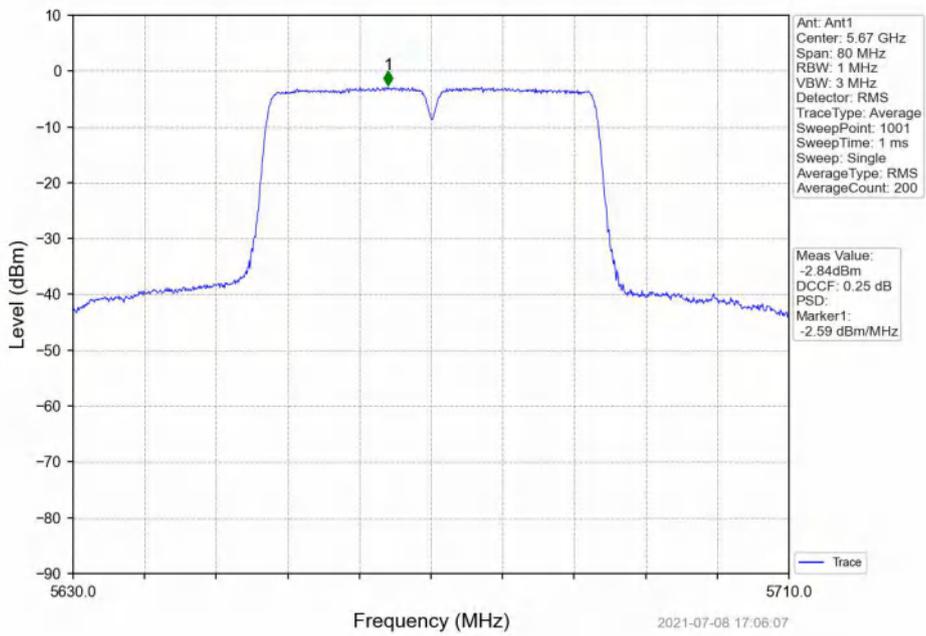
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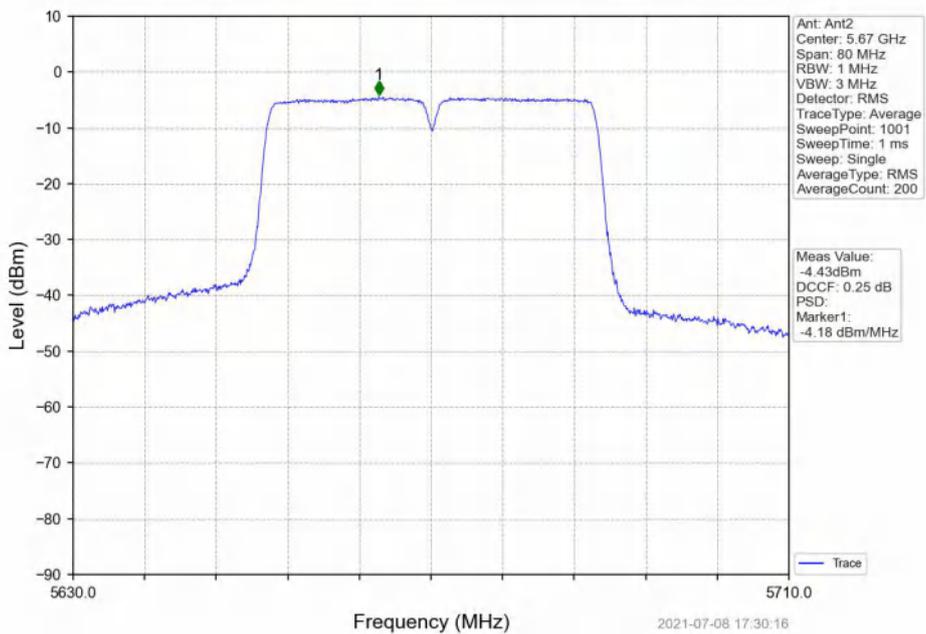
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5670MHz\_Ant2\_NTNV



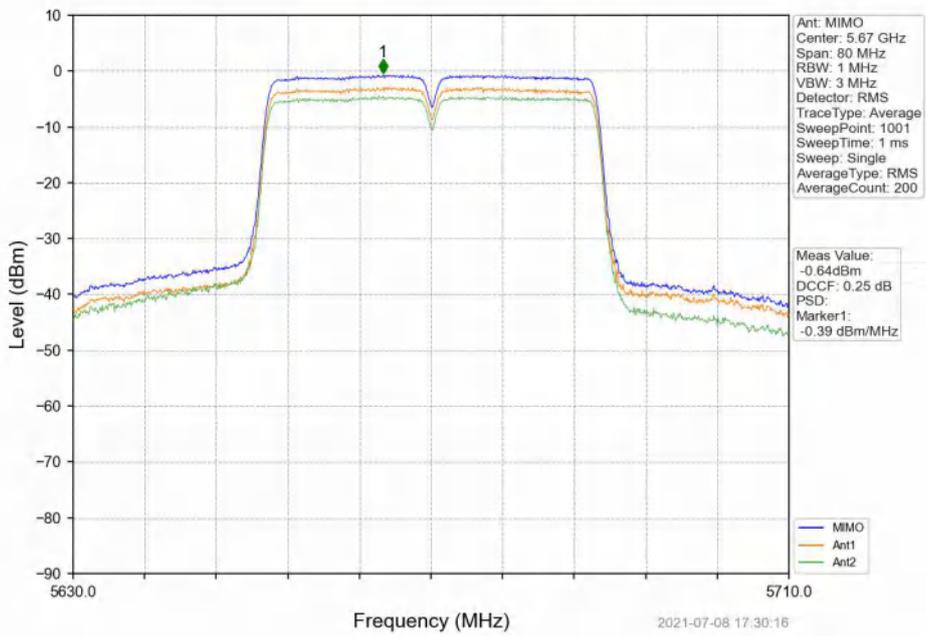
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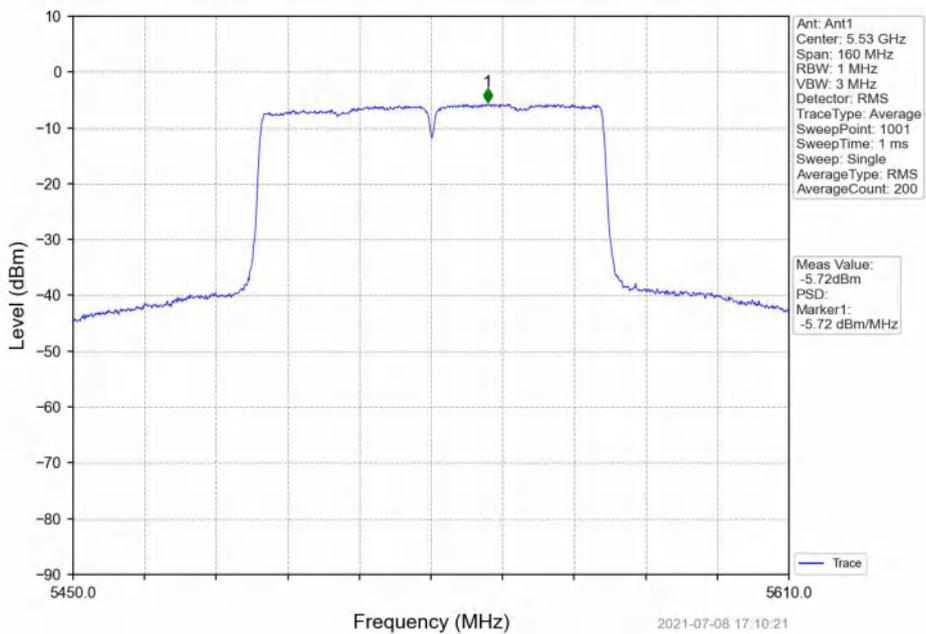
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802.11ac(VHT40)\_HCH\_5670MHz\_MIMO\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



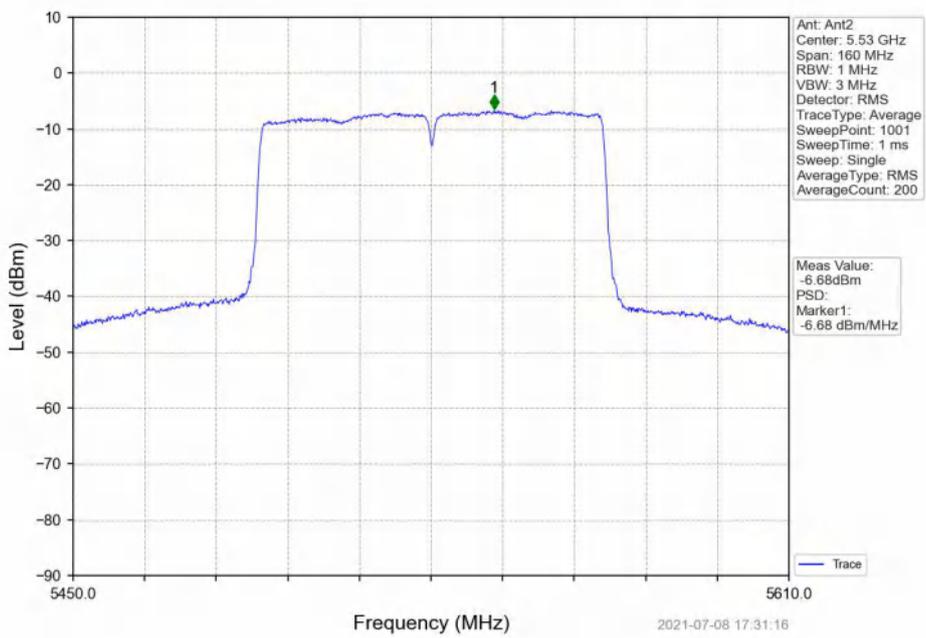
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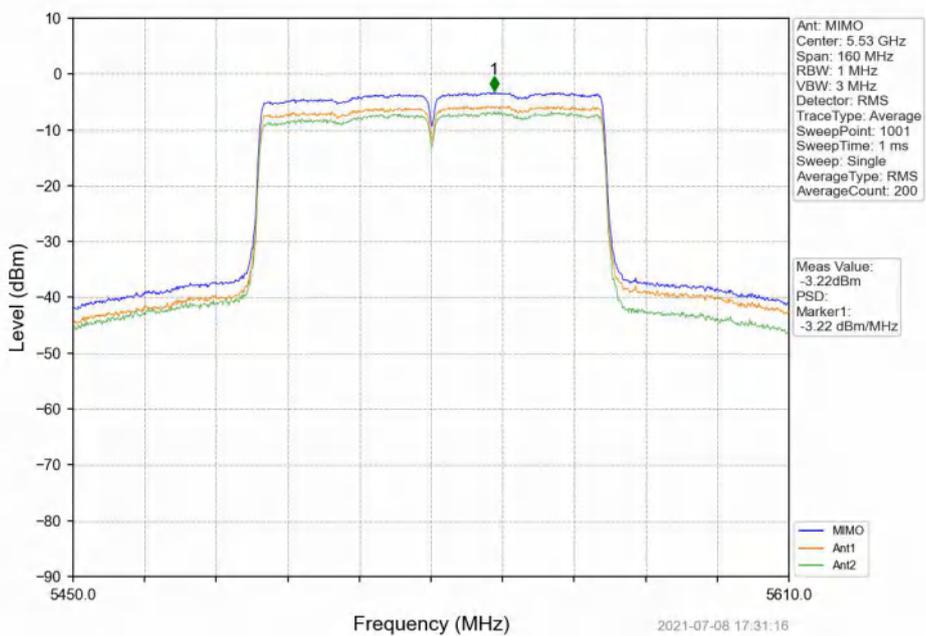
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802.11ac(VHT80)\_LCH\_5530MHz\_Ant2\_NTNV



802.11ac(VHT80)\_LCH\_5530MHz\_MIMO\_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	5500	20	102	5500.080	5492 to 5508	Pass	
				120	5500.080	5492 to 5508	Pass	
				138	5500.040	5492 to 5508	Pass	
			-30	120	5500.060	5492 to 5508	Pass	
				-20	120	5500.160	5470 to 5725	Pass
					120	5500.120	5470 to 5725	Pass
			-10	120	5500.100	5470 to 5725	Pass	
				120	5500.120	5470 to 5725	Pass	
			0	120	5500.160	5470 to 5725	Pass	
				120	5500.060	5470 to 5725	Pass	
		10	120	5500.040	5492 to 5508	Pass		
			120	5580.100	5572 to 5588	Pass		
		5580	20	120	5580.060	5572 to 5588	Pass	
				138	5580.040	5572 to 5588	Pass	
				120	5580.100	5572 to 5588	Pass	
			-30	120	5580.080	5470 to 5725	Pass	
				-20	120	5580.100	5470 to 5725	Pass
					120	5580.080	5470 to 5725	Pass
			-10	120	5580.080	5470 to 5725	Pass	
				120	5580.080	5470 to 5725	Pass	
			0	120	5580.080	5470 to 5725	Pass	
				120	5580.080	5470 to 5725	Pass	
		10	120	5580.080	5470 to 5725	Pass		
			120	5580.080	5470 to 5725	Pass		
		30	120	5580.080	5470 to 5725	Pass		
			120	5580.080	5470 to 5725	Pass		
		40	120	5580.080	5470 to 5725	Pass		
			120	5580.080	5470 to 5725	Pass		
		50	120	5580.060	5572 to 5588	Pass		
			120	5700.060	5692 to 5708	Pass		
5700	20	120	5700.120	5692 to 5708	Pass			
		138	5700.080	5692 to 5708	Pass			
		120	5700.040	5692 to 5708	Pass			
	-30	120	5700.120	5470 to 5725	Pass			
		-20	120	5700.080	5470 to 5725	Pass		
			120	5700.080	5470 to 5725	Pass		
	-10	120	5700.100	5470 to 5725	Pass			
		120	5700.080	5470 to 5725	Pass			
	0	120	5700.100	5470 to 5725	Pass			
		120	5700.080	5470 to 5725	Pass			
10	120	5700.100	5470 to 5725	Pass				
	120	5700.100	5470 to 5725	Pass				
30	120	5700.060	5470 to 5725	Pass				
	120	5700.100	5692 to 5708	Pass				
40	120	5700.100	5692 to 5708	Pass				
	120	5700.100	5692 to 5708	Pass				
50	120	5700.100	5692 to 5708	Pass				
	120	5700.100	5692 to 5708	Pass				
802.11n (HT20)	MIMO	5500	20	102	5500.040	5492 to 5508	Pass	
				120	5500.080	5492 to 5508	Pass	
				138	5500.120	5492 to 5508	Pass	
			-30	120	5500.080	5492 to 5508	Pass	
				-20	120	5500.060	5470 to 5725	Pass
					120	5500.060	5470 to 5725	Pass
			-10	120	5500.060	5470 to 5725	Pass	
				120	5500.140	5470 to 5725	Pass	
			0	120	5500.040	5470 to 5725	Pass	
		120		5500.080	5470 to 5725	Pass		
		10	120	5500.080	5470 to 5725	Pass		
			120	5500.100	5470 to 5725	Pass		
		30	120	5500.100	5470 to 5725	Pass		
			120	5500.100	5470 to 5725	Pass		
		40	120	5500.100	5470 to 5725	Pass		
			120	5500.140	5492 to 5508	Pass		
		5580	20	102	5580.120	5572 to 5588	Pass	
				120	5580.040	5572 to 5588	Pass	
138	5580.080			5572 to 5588	Pass			
-30	120		5580.120	5572 to 5588	Pass			
	-20		120	5580.040	5470 to 5725	Pass		
			120	5580.040	5470 to 5725	Pass		

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		5700	-10	120	5580.080	5470 to 5725	Pass		
			0	120	5580.040	5470 to 5725	Pass		
			10	120	5580.100	5470 to 5725	Pass		
			30	120	5580.100	5470 to 5725	Pass		
			40	120	5580.120	5470 to 5725	Pass		
			50	120	5580.080	5572 to 5588	Pass		
			5510	20	102	5700.060	5692 to 5708	Pass	
					120	5700.080	5692 to 5708	Pass	
					138	5700.140	5692 to 5708	Pass	
				-30	120	5700.080	5692 to 5708	Pass	
		-20		120	5700.060	5470 to 5725	Pass		
		-10		120	5700.040	5470 to 5725	Pass		
		0		120	5700.120	5470 to 5725	Pass		
		10		120	5700.080	5470 to 5725	Pass		
		30		120	5700.060	5470 to 5725	Pass		
		40		120	5700.060	5470 to 5725	Pass		
		50	120	5700.160	5692 to 5708	Pass			
		802.11n (HT40)	MIMO	5510	20	102	5510.120	5494 to 5526	Pass
						120	5510.080	5494 to 5526	Pass
						138	5510.120	5494 to 5526	Pass
-30	120				5510.120	5494 to 5526	Pass		
-20	120				5510.120	5470 to 5725	Pass		
-10	120				5510.160	5470 to 5725	Pass		
0	120				5510.200	5470 to 5725	Pass		
10	120				5510.160	5470 to 5725	Pass		
30	120				5510.160	5470 to 5725	Pass		
40	120				5510.200	5470 to 5725	Pass		
50	120			5510.160	5494 to 5526	Pass			
5550	20			102	5550.200	5534 to 5566	Pass		
				120	5550.160	5534 to 5566	Pass		
				138	5550.120	5534 to 5566	Pass		
	-30			120	5550.080	5534 to 5566	Pass		
	-20			120	5550.120	5470 to 5725	Pass		
	-10			120	5550.160	5470 to 5725	Pass		
	0			120	5550.160	5470 to 5725	Pass		
	10			120	5550.080	5470 to 5725	Pass		
	30			120	5550.160	5470 to 5725	Pass		
	40	120	5550.240	5470 to 5725	Pass				
50	120	5550.080	5534 to 5566	Pass					
5670	20	102	5670.160	5654 to 5686	Pass				
		120	5670.160	5654 to 5686	Pass				
		138	5670.120	5654 to 5686	Pass				
	-30	120	5670.120	5654 to 5686	Pass				
	-20	120	5670.080	5470 to 5725	Pass				
	-10	120	5670.160	5470 to 5725	Pass				
	0	120	5670.080	5470 to 5725	Pass				
	10	120	5670.160	5470 to 5725	Pass				
	30	120	5670.120	5470 to 5725	Pass				
	40	120	5670.080	5470 to 5725	Pass				
50	120	5670.120	5654 to 5686	Pass					
802.11ac (VHT20)	MIMO	5500	20	102	5500.140	5492 to 5508	Pass		
				120	5500.040	5492 to 5508	Pass		
				138	5500.060	5492 to 5508	Pass		
			-30	120	5500.140	5492 to 5508	Pass		
			-20	120	5500.060	5470 to 5725	Pass		
			-10	120	5500.080	5470 to 5725	Pass		
			0	120	5500.060	5470 to 5725	Pass		
			10	120	5500.080	5470 to 5725	Pass		
			30	120	5500.080	5470 to 5725	Pass		
			40	120	5500.080	5470 to 5725	Pass		
50	120	5500.080	5492 to 5508	Pass					

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		5580	20	102	5580.080	5572 to 5588	Pass	
				120	5580.040	5572 to 5588	Pass	
				138	5580.100	5572 to 5588	Pass	
			-30	120	5580.100	5572 to 5588	Pass	
			-20	120	5580.040	5470 to 5725	Pass	
			-10	120	5580.060	5470 to 5725	Pass	
			0	120	5580.040	5470 to 5725	Pass	
			10	120	5580.080	5470 to 5725	Pass	
			30	120	5580.100	5470 to 5725	Pass	
			40	120	5580.060	5470 to 5725	Pass	
		50	120	5580.100	5572 to 5588	Pass		
		5700	20	102	5700.040	5692 to 5708	Pass	
				120	5700.100	5692 to 5708	Pass	
				138	5700.140	5692 to 5708	Pass	
			-30	120	5700.060	5692 to 5708	Pass	
			-20	120	5700.060	5470 to 5725	Pass	
			-10	120	5700.020	5470 to 5725	Pass	
			0	120	5700.080	5470 to 5725	Pass	
			10	120	5700.040	5470 to 5725	Pass	
			30	120	5700.080	5470 to 5725	Pass	
40	120		5700.060	5470 to 5725	Pass			
50	120	5699.980	5692 to 5708	Pass				
802.11ac (VHT40)	MIMO	5510	20	102	5510.160	5494 to 5526	Pass	
				120	5510.160	5494 to 5526	Pass	
				138	5510.160	5494 to 5526	Pass	
			-30	120	5510.160	5494 to 5526	Pass	
			-20	120	5510.160	5470 to 5725	Pass	
			-10	120	5510.120	5470 to 5725	Pass	
			0	120	5510.160	5470 to 5725	Pass	
			10	120	5510.120	5470 to 5725	Pass	
			30	120	5510.080	5470 to 5725	Pass	
			40	120	5510.120	5470 to 5725	Pass	
			50	120	5510.200	5494 to 5526	Pass	
			5550	20	102	5550.160	5534 to 5566	Pass
					120	5550.120	5534 to 5566	Pass
					138	5550.160	5534 to 5566	Pass
				-30	120	5550.160	5534 to 5566	Pass
		-20		120	5550.160	5470 to 5725	Pass	
		-10		120	5550.120	5470 to 5725	Pass	
		0		120	5550.120	5470 to 5725	Pass	
		10		120	5550.160	5470 to 5725	Pass	
		30		120	5550.200	5470 to 5725	Pass	
		40		120	5550.160	5470 to 5725	Pass	
		50		120	5550.200	5534 to 5566	Pass	
		5670		20	102	5670.160	5654 to 5686	Pass
					120	5670.120	5654 to 5686	Pass
					138	5670.200	5654 to 5686	Pass
				-30	120	5670.120	5654 to 5686	Pass
			-20	120	5670.160	5470 to 5725	Pass	
			-10	120	5670.080	5470 to 5725	Pass	
			0	120	5670.200	5470 to 5725	Pass	
			10	120	5670.160	5470 to 5725	Pass	
30	120		5670.120	5470 to 5725	Pass			
40	120		5670.120	5470 to 5725	Pass			
50	120		5670.120	5654 to 5686	Pass			
802.11ac (VHT80)	MIMO		5530	20	102	5530.150	5498 to 5562	Pass
					120	5530.150	5498 to 5562	Pass
					138	5530.075	5498 to 5562	Pass
				-30	120	5530.150	5498 to 5562	Pass
		-20		120	5530.225	5470 to 5725	Pass	
		-10		120	5530.150	5470 to 5725	Pass	

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			0	120	5530.225	5470 to 5725	Pass
			10	120	5530.150	5470 to 5725	Pass
			30	120	5530.150	5470 to 5725	Pass
			40	120	5530.150	5470 to 5725	Pass
			50	120	5530.225	5498 to 5562	Pass

---End---