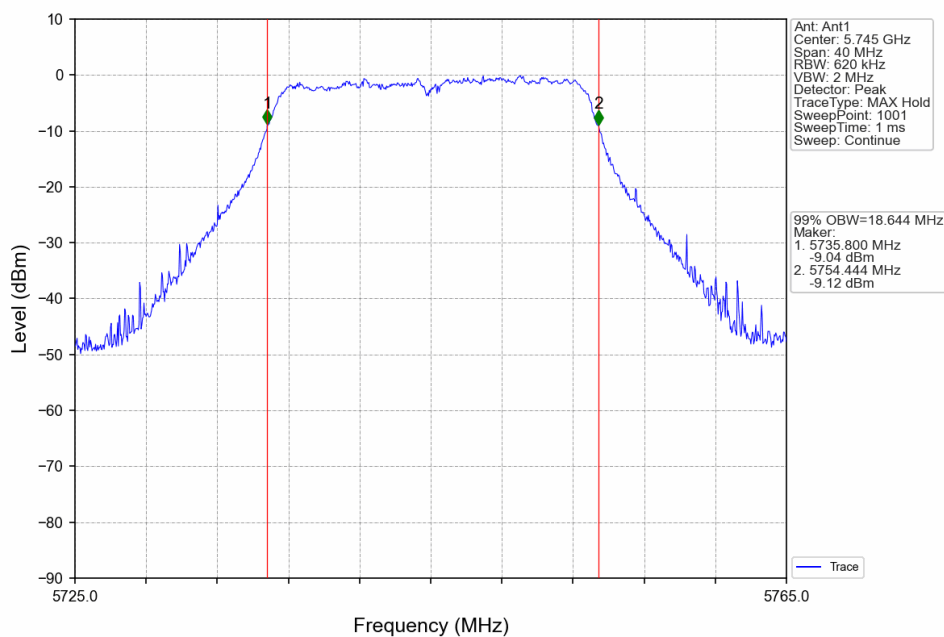
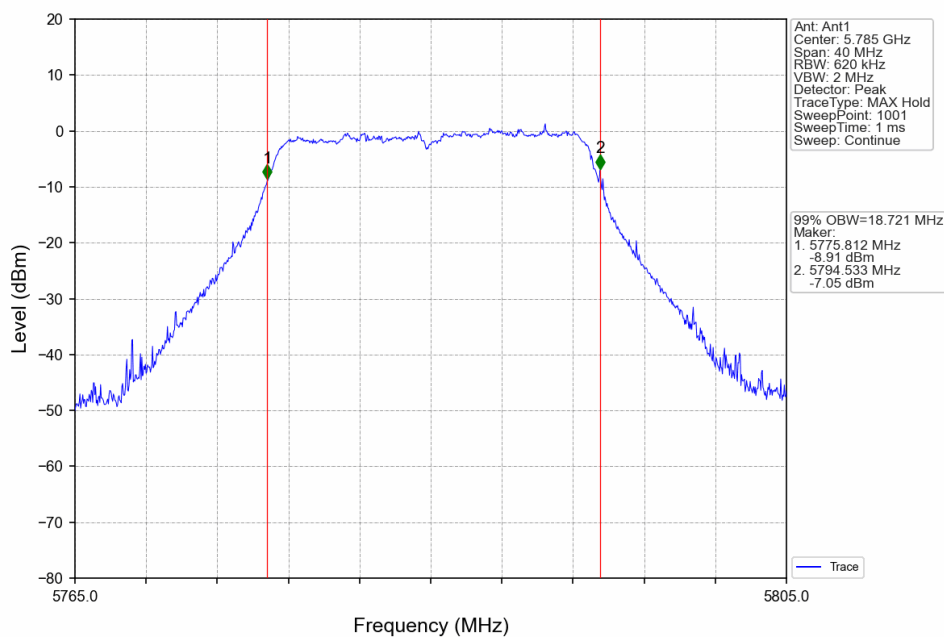


### 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



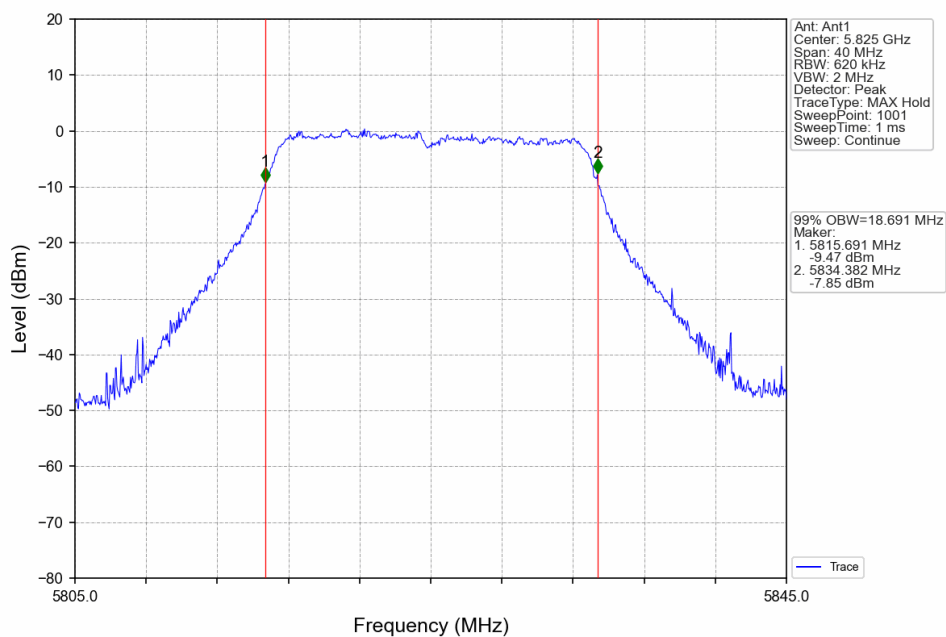
### 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



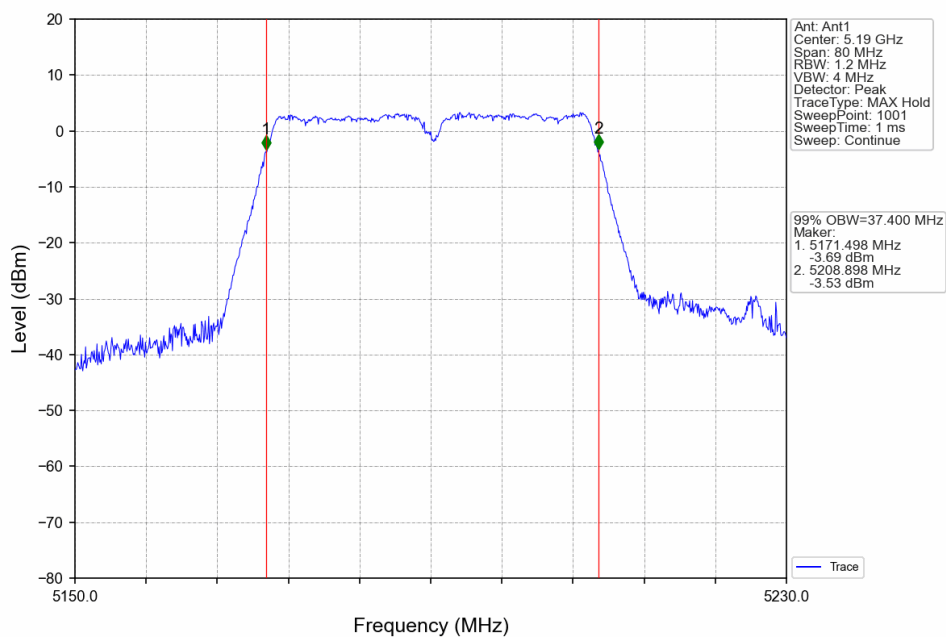
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### 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

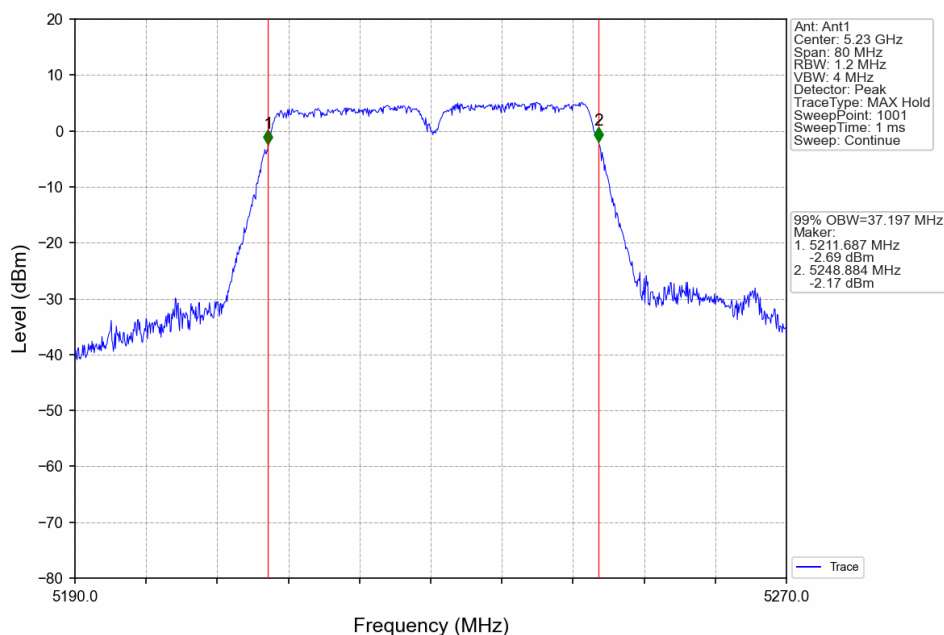


### 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

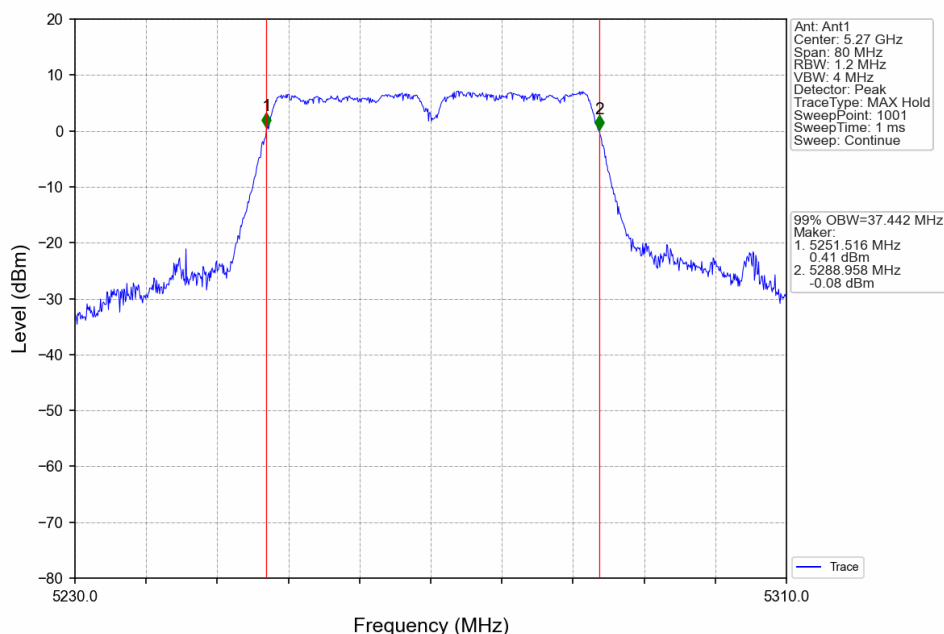


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### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

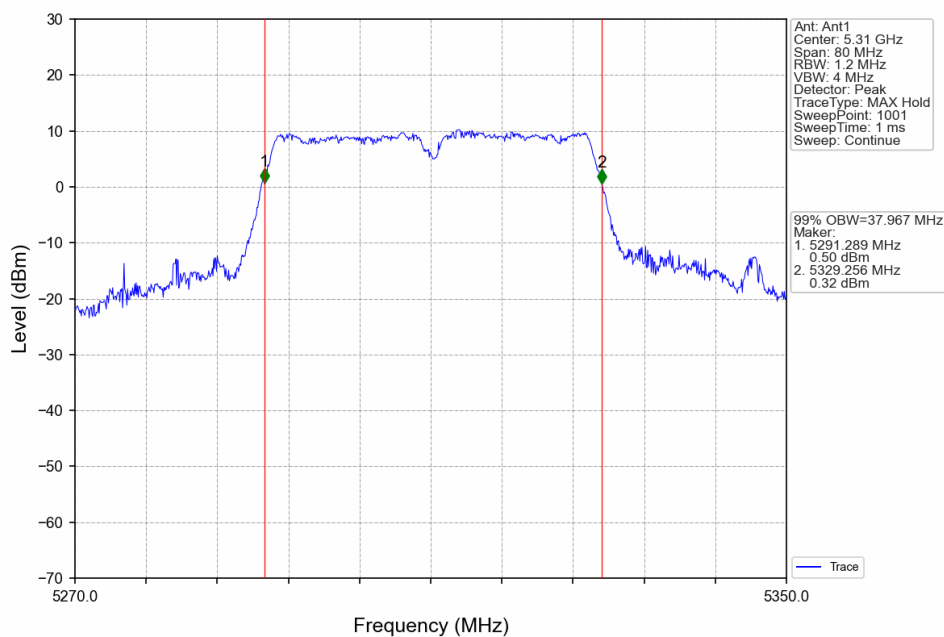


### 802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV

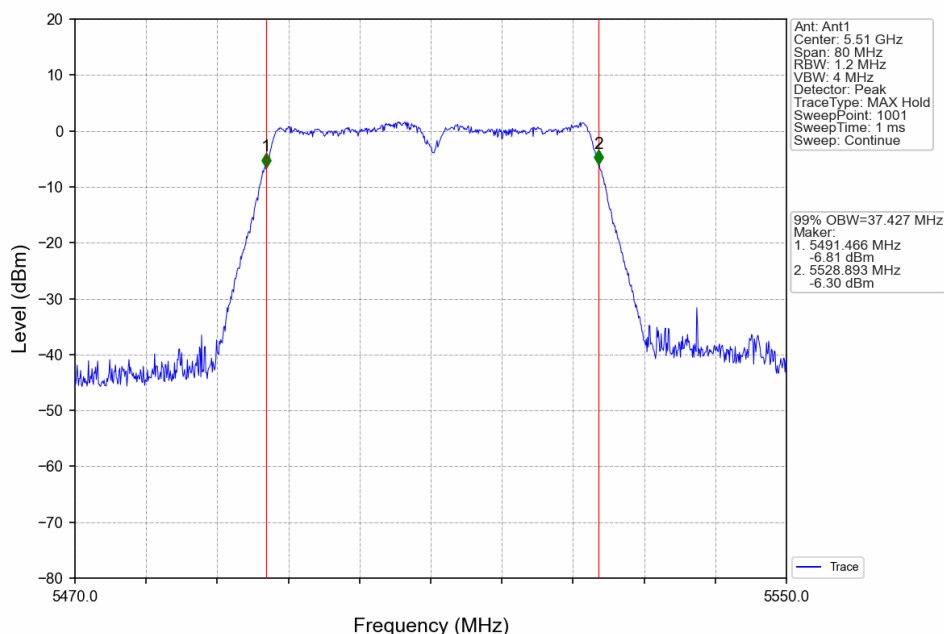


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### 802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV

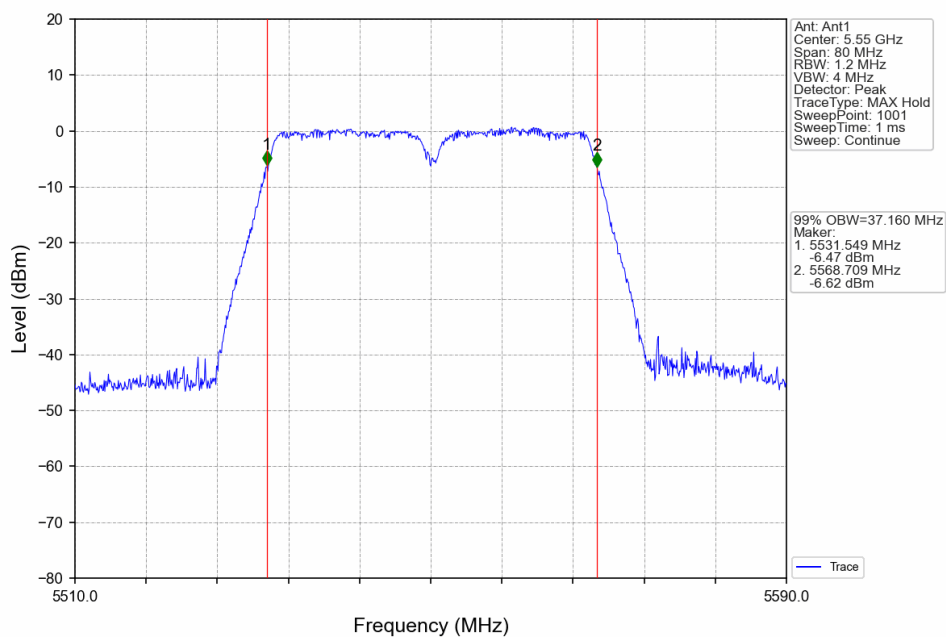


### 802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV

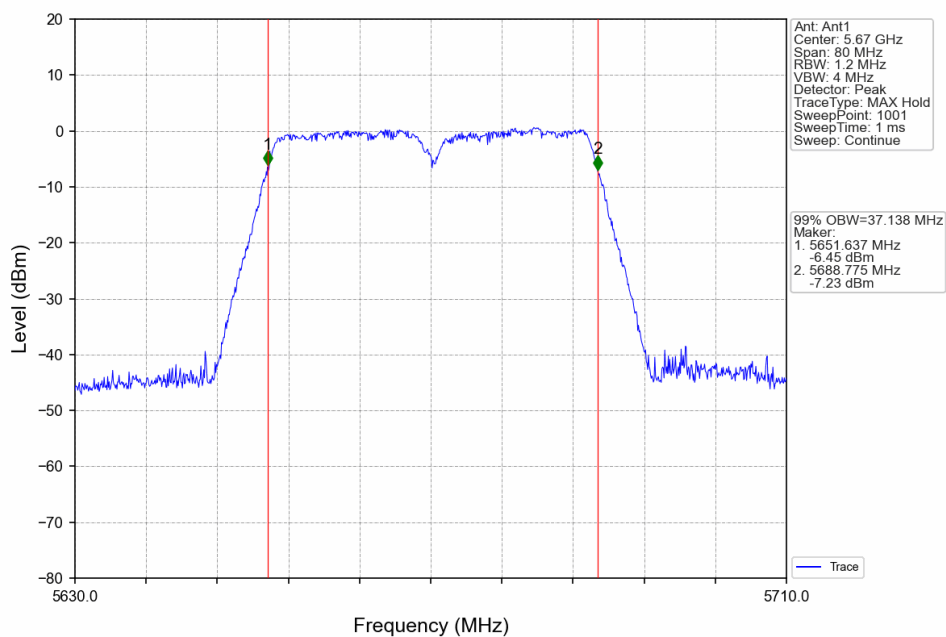


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802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



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

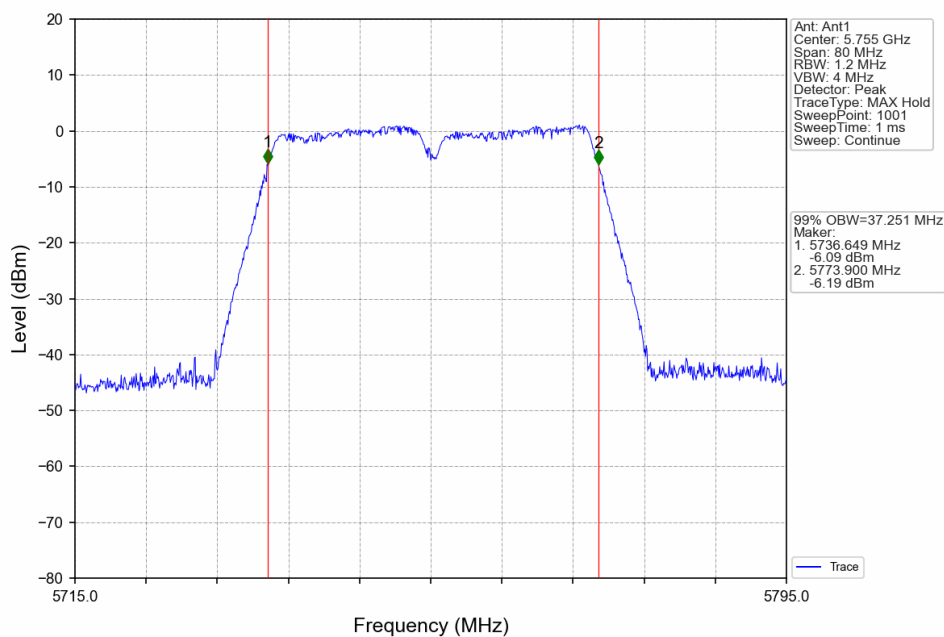


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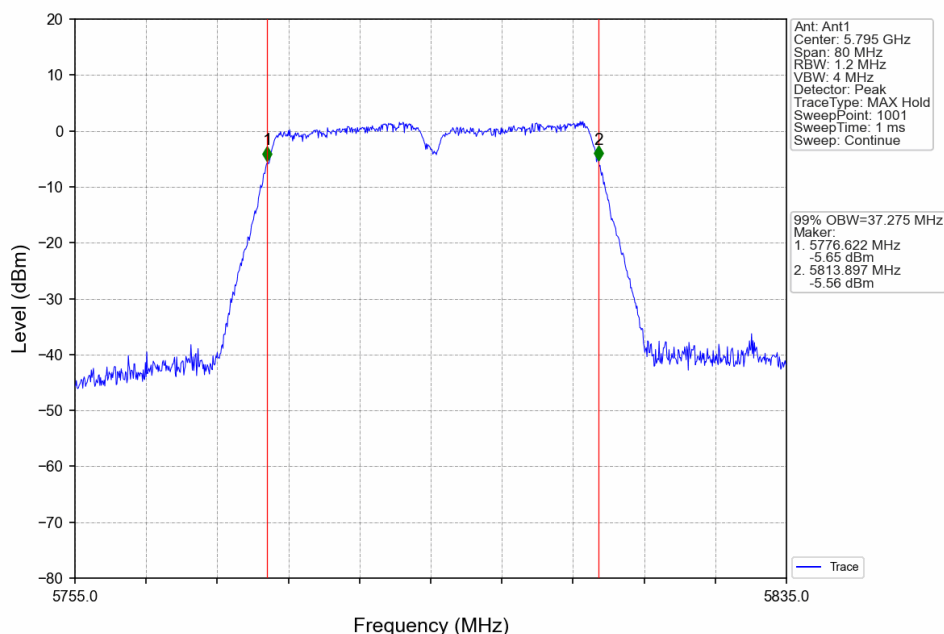
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Guangzhou Branch Testing Center EEC Laboratory, 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

### 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV

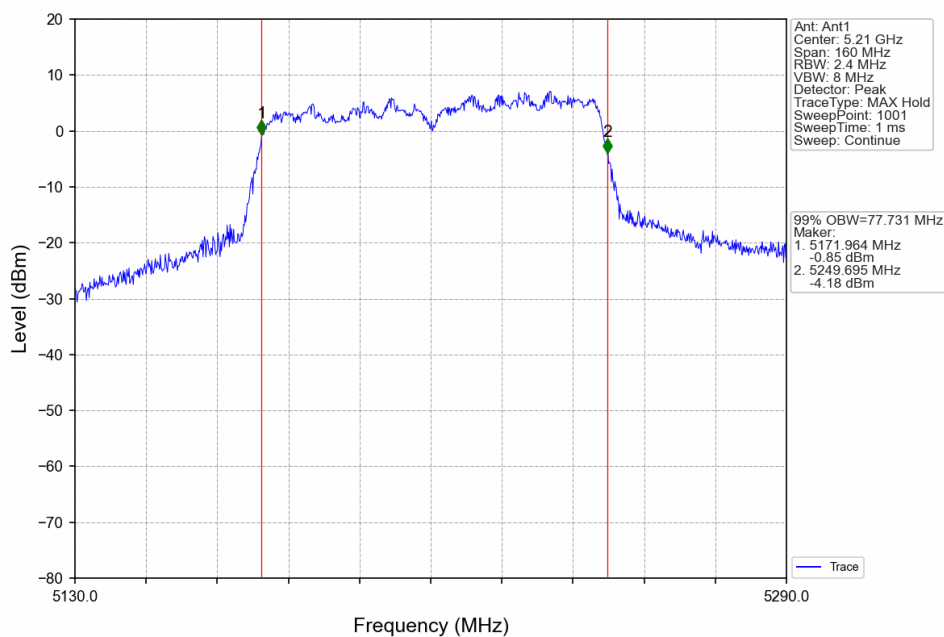


### 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV

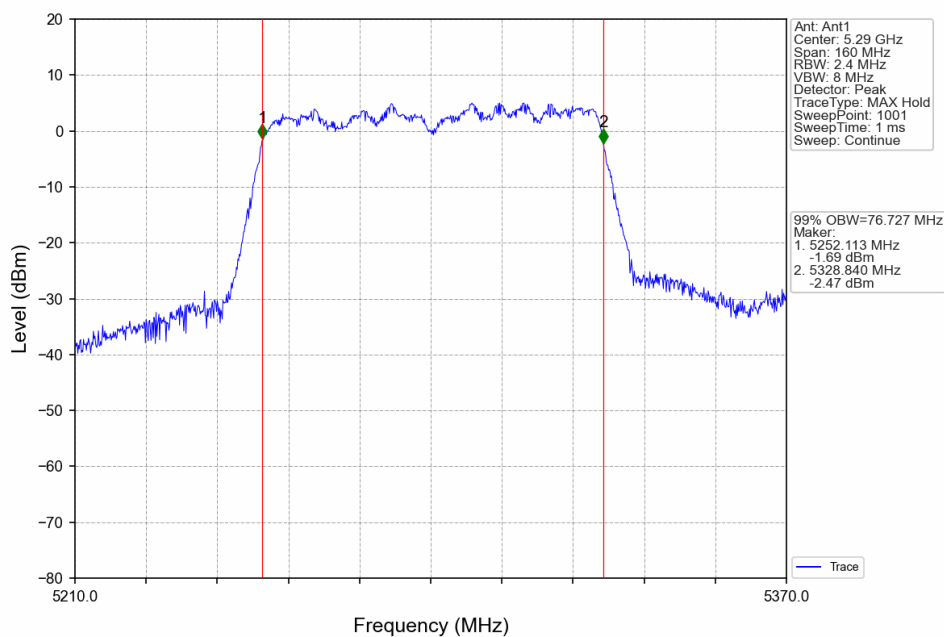


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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



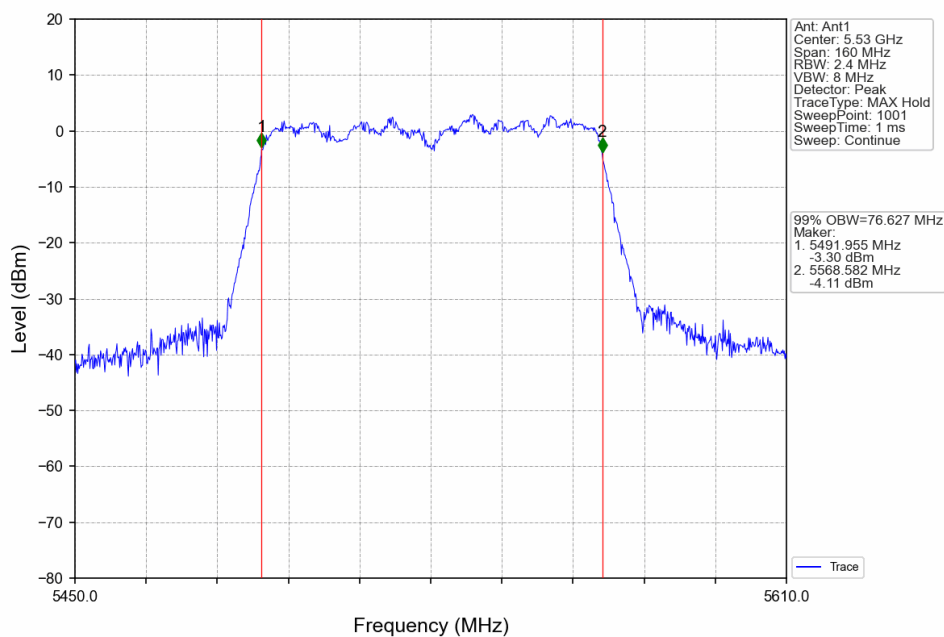
802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



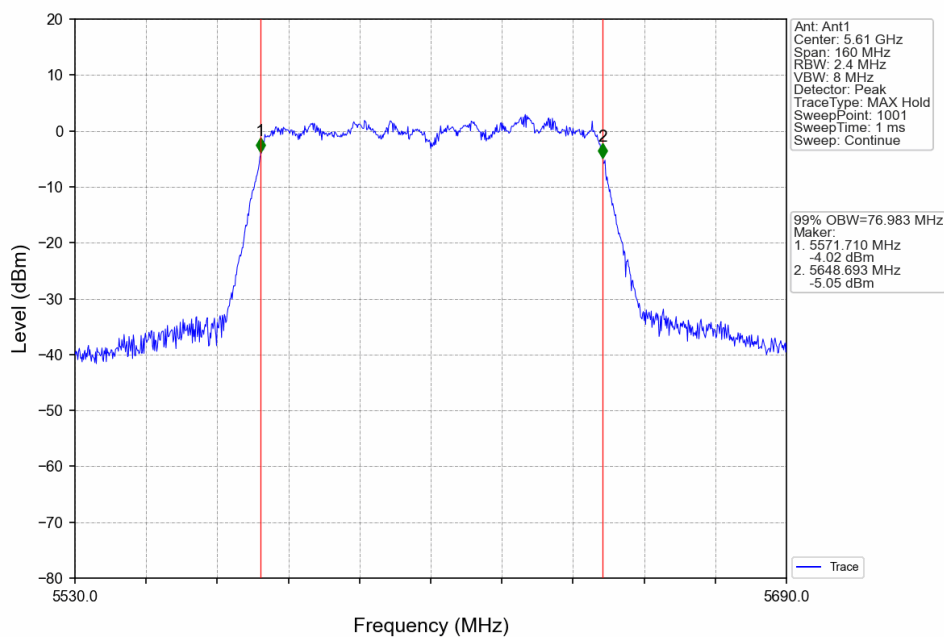
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### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV

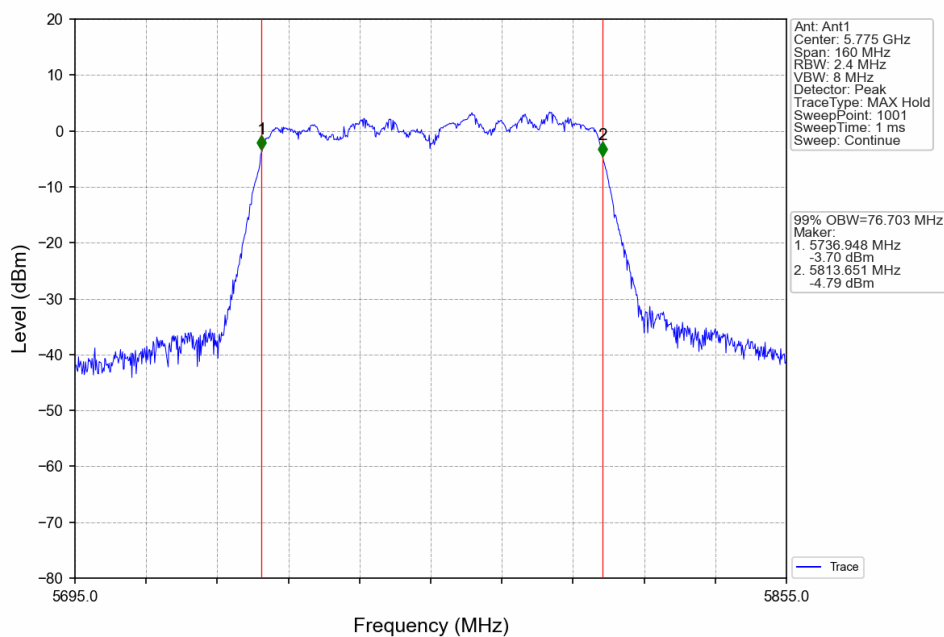


### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



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### 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

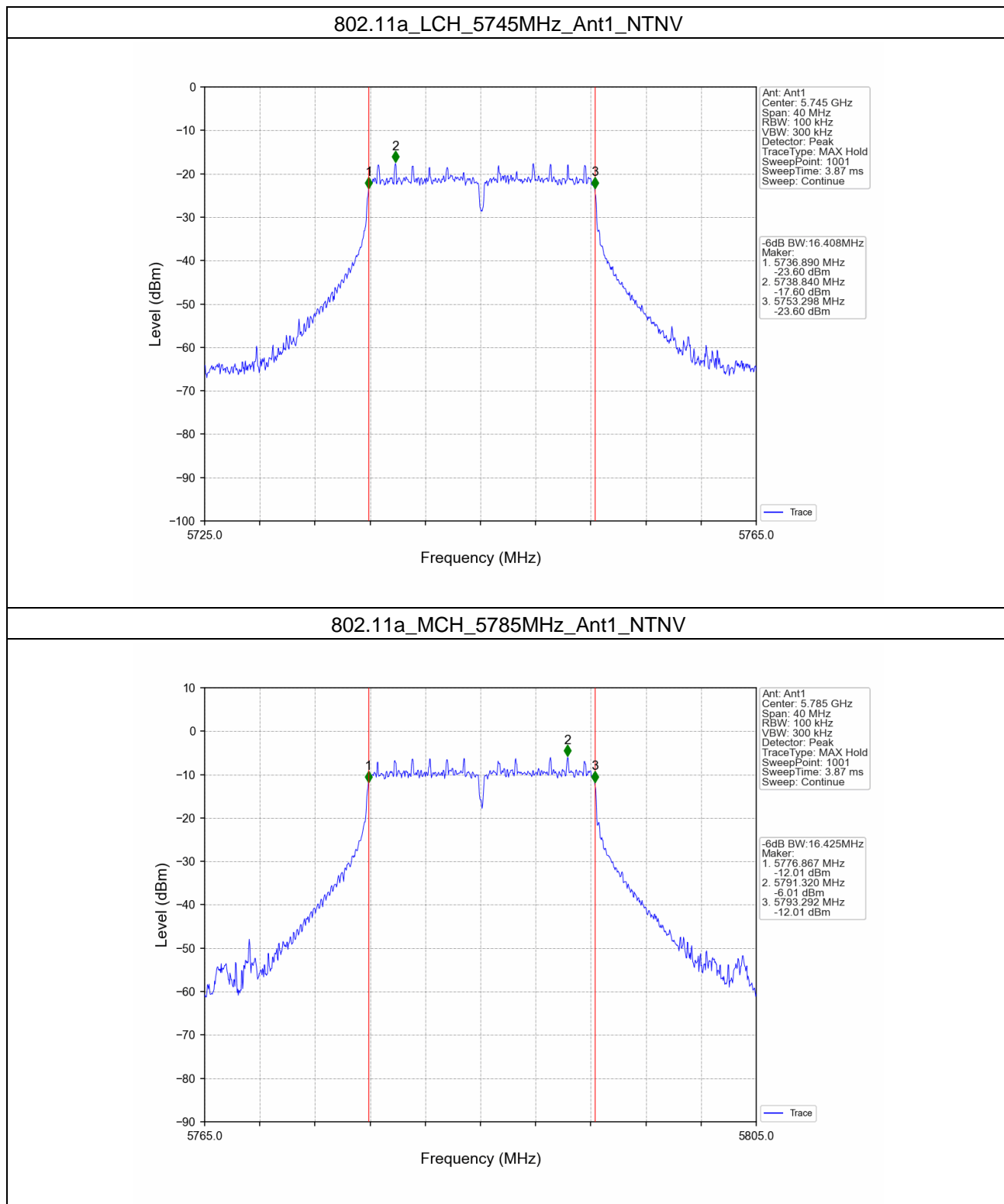


### 2.2 6dB BW

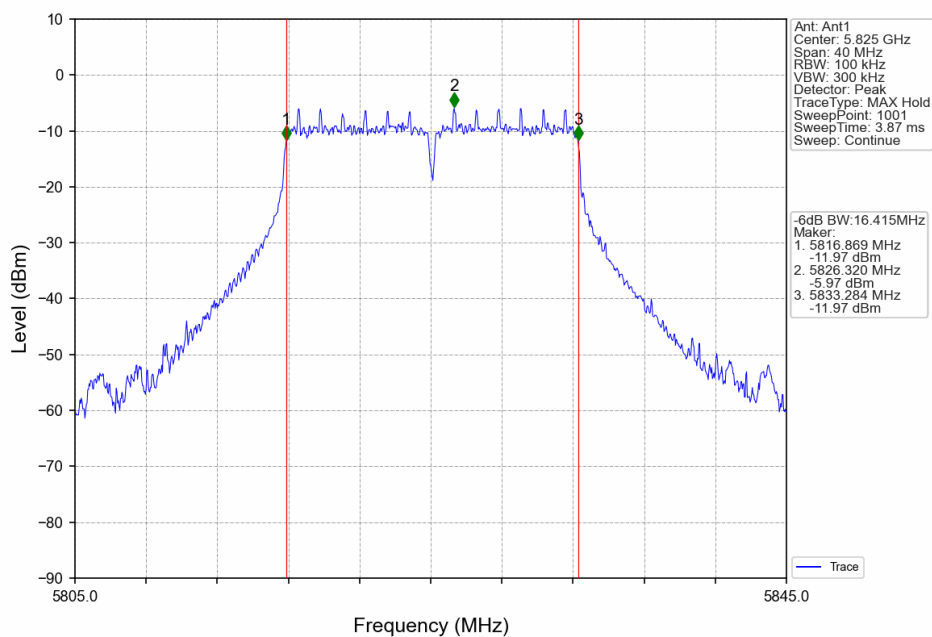
#### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.408	$\geq 0.5$	Pass
		5785	1	16.425	$\geq 0.5$	Pass
		5825	1	16.415	$\geq 0.5$	Pass
802.11n (HT20)	MIMO	5745	1	17.342	$\geq 0.5$	Pass
		5785	1	17.625	$\geq 0.5$	Pass
		5825	1	17.619	$\geq 0.5$	Pass
802.11n (HT40)	MIMO	5755	1	36.334	$\geq 0.5$	Pass
		5795	1	36.317	$\geq 0.5$	Pass
802.11ac (VHT20)	MIMO	5745	1	17.570	$\geq 0.5$	Pass
		5785	1	17.578	$\geq 0.5$	Pass
		5825	1	17.600	$\geq 0.5$	Pass
802.11ac (VHT40)	MIMO	5755	1	36.146	$\geq 0.5$	Pass
		5795	1	35.992	$\geq 0.5$	Pass
802.11ac (VHT80)	MIMO	5775	1	76.107	$\geq 0.5$	Pass

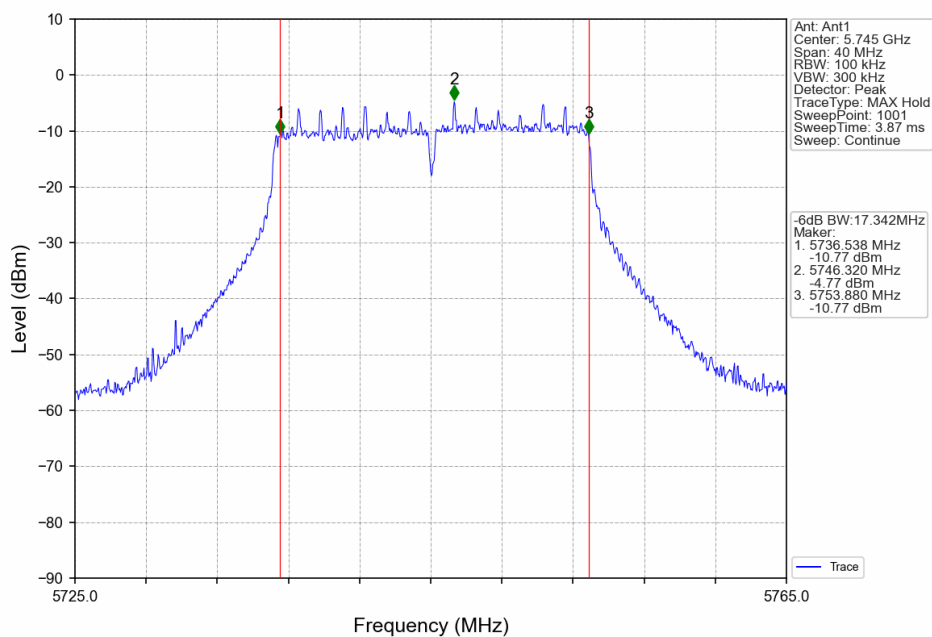
### 2.2.2 Test Graph



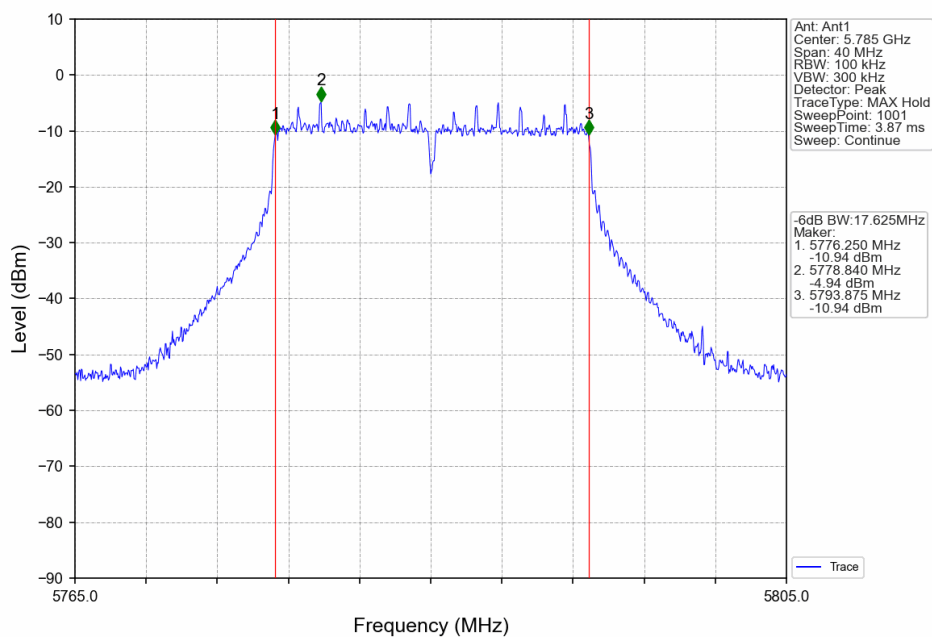
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



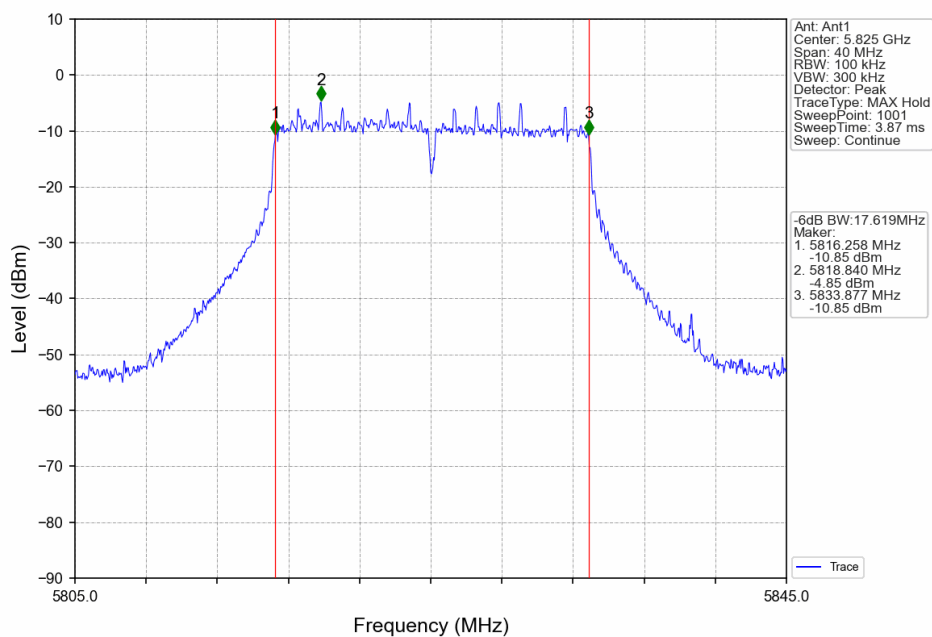
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



### 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



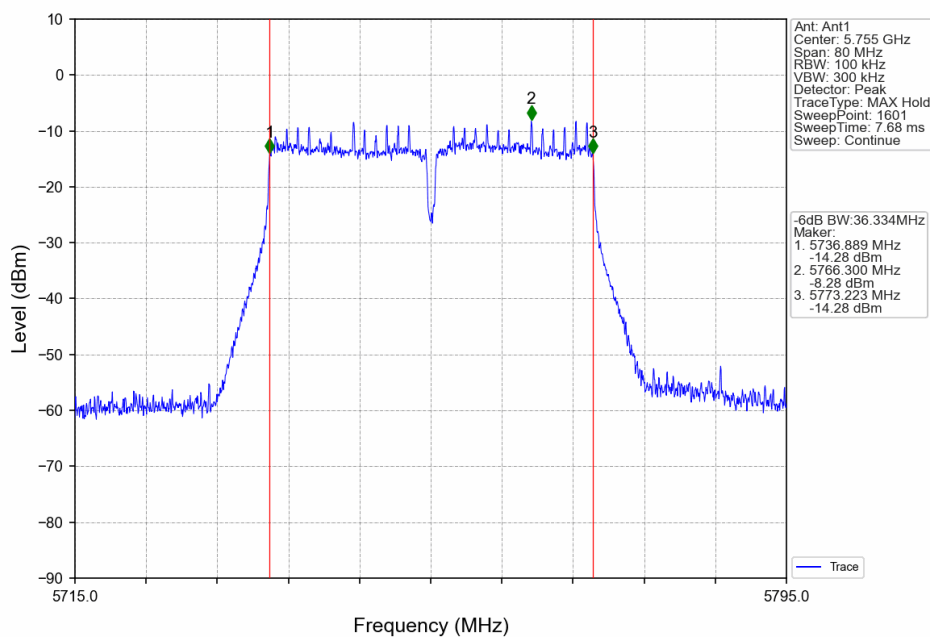
### 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



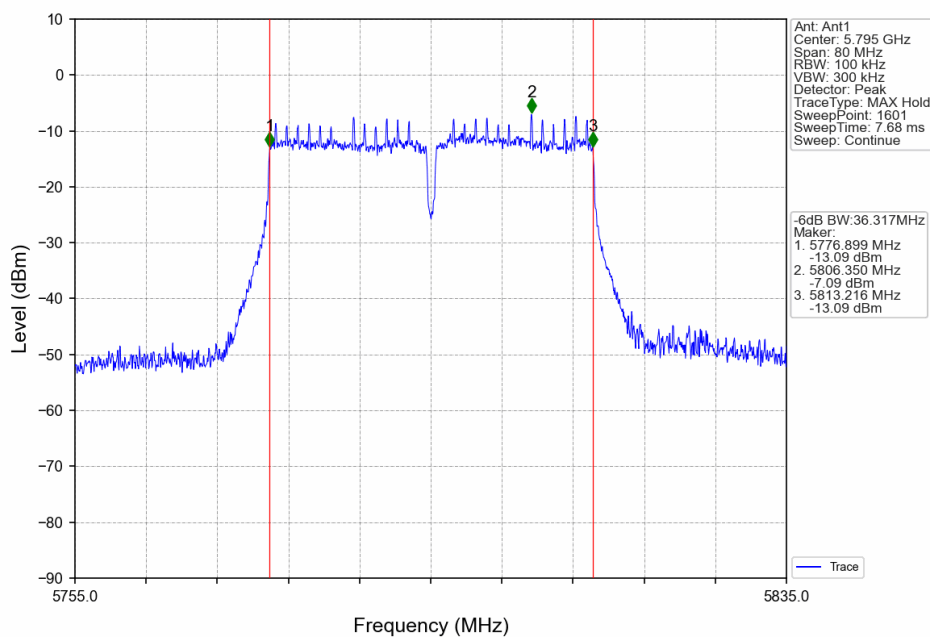
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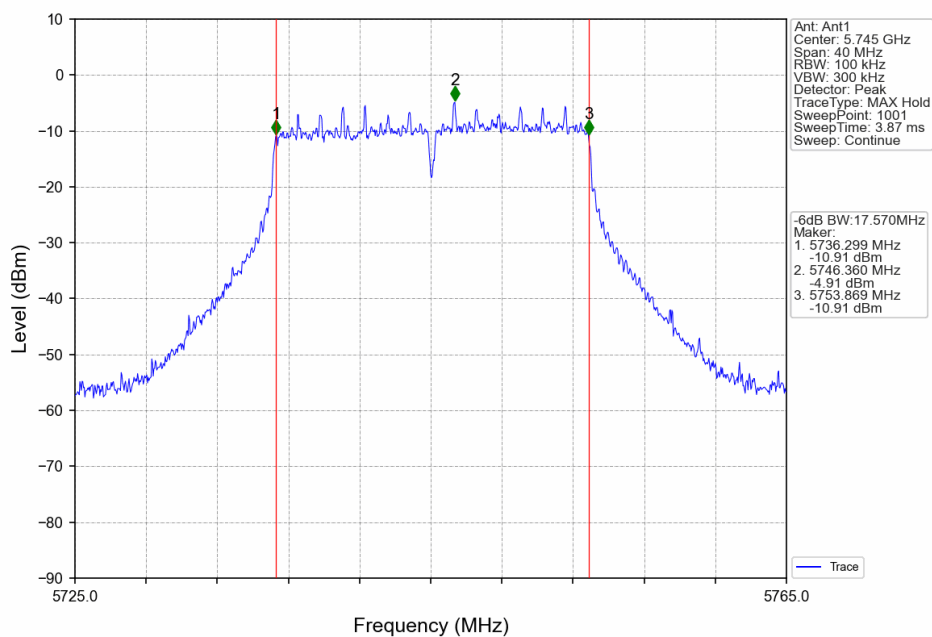
### 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



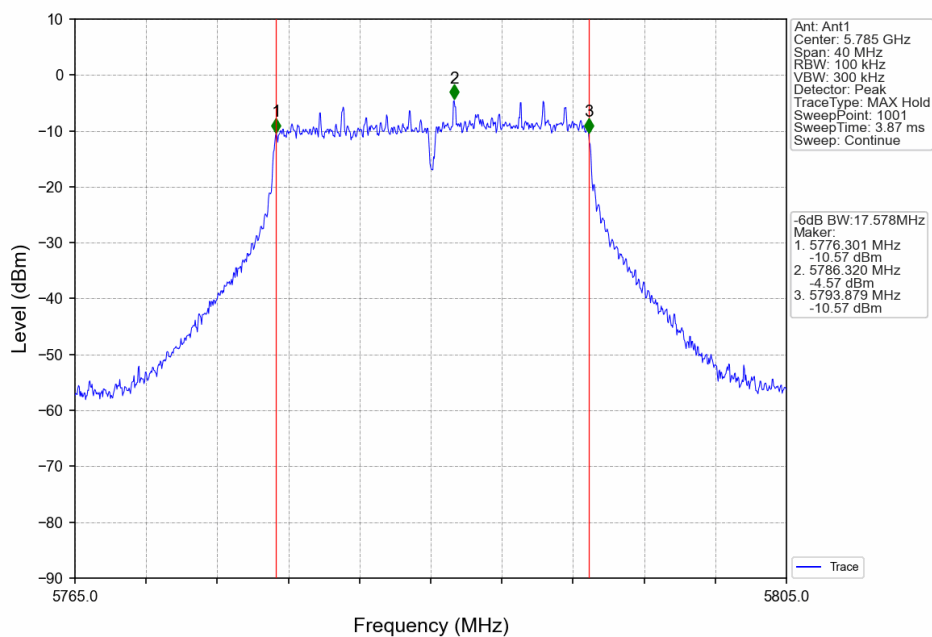
### 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

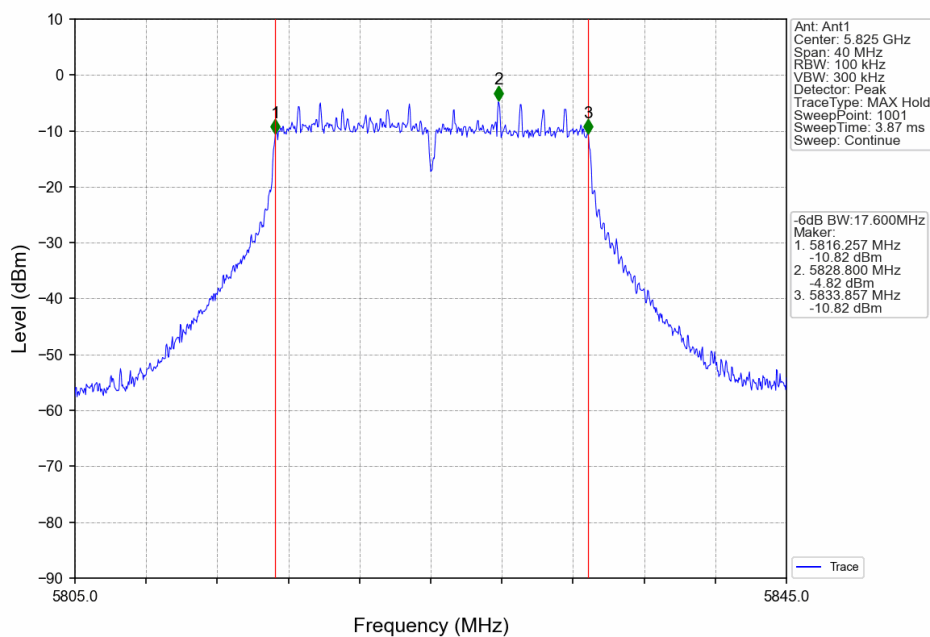


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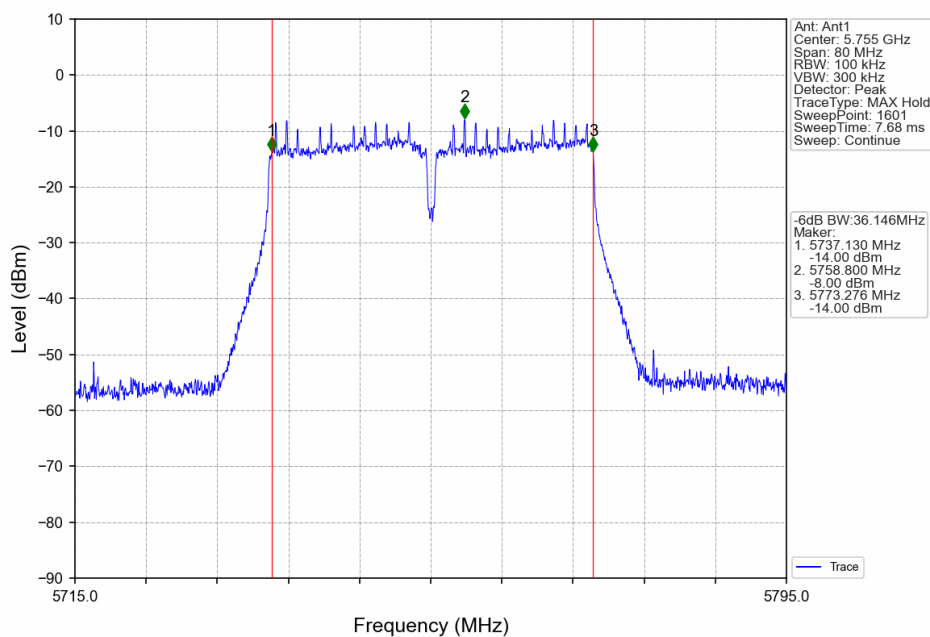
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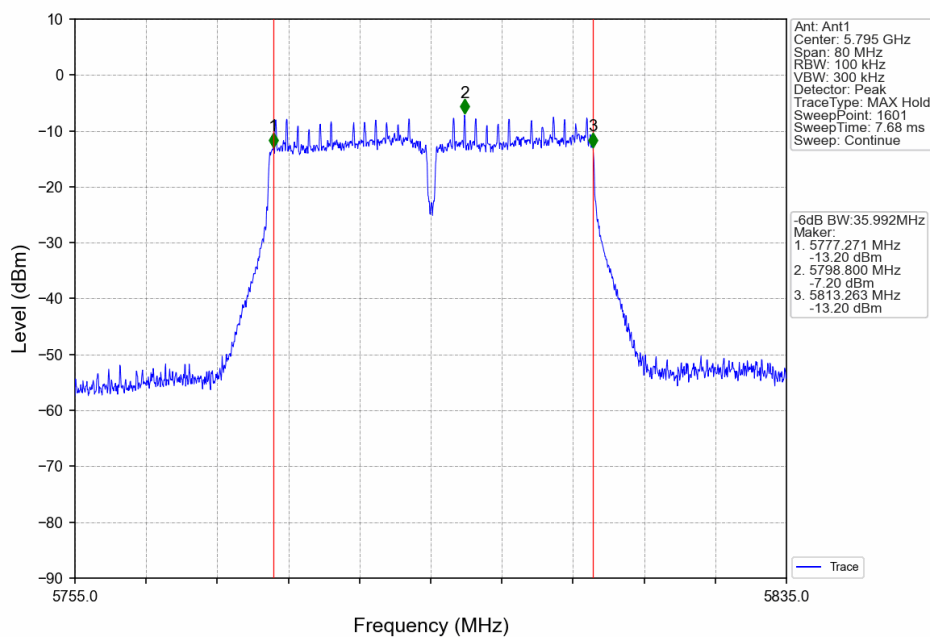
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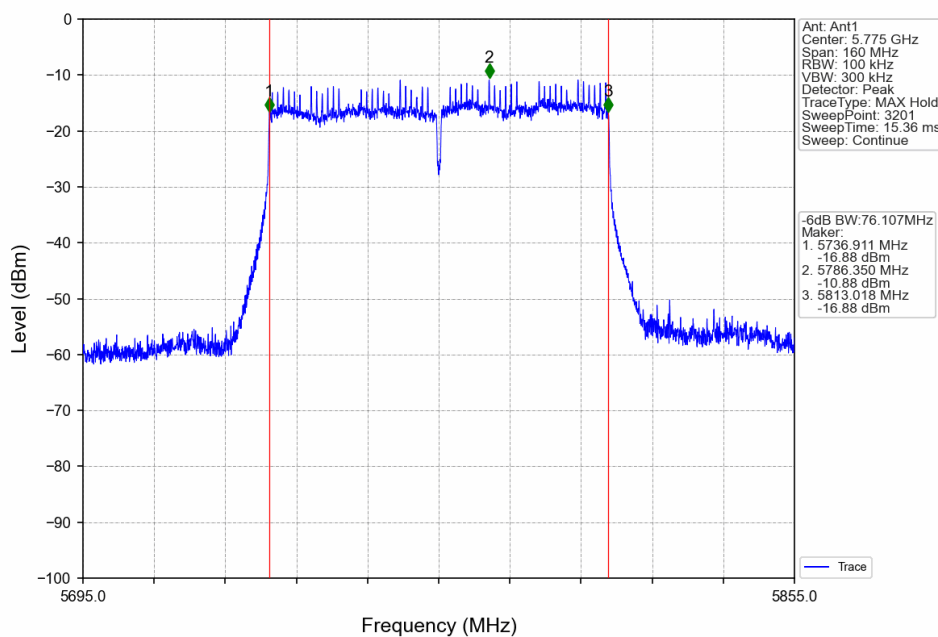
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### 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



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### 2.3 26dB BW

#### 2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	21.132	Pass
		5200	1	21.680	Pass
		5240	1	21.198	Pass
		5260	1	21.385	Pass
		5300	1	21.676	Pass
		5320	1	21.589	Pass
		5500	1	21.008	Pass
		5580	1	21.261	Pass
		5700	1	21.183	Pass
802.11n (HT20)	MIMO	5180	1	21.676	Pass
		5200	1	21.748	Pass
		5240	1	21.800	Pass
		5260	1	22.167	Pass
		5300	1	27.833	Pass
		5320	1	28.002	Pass
		5500	1	21.510	Pass
		5580	1	21.968	Pass
		5700	1	21.994	Pass
802.11n (HT40)	MIMO	5190	1	42.103	Pass
		5230	1	41.995	Pass
		5270	1	42.482	Pass
		5310	1	64.964	Pass
		5510	1	42.174	Pass
		5550	1	41.893	Pass
		5670	1	41.841	Pass
802.11ac (VHT20)	MIMO	5180	1	22.096	Pass
		5200	1	21.826	Pass
		5240	1	21.804	Pass
		5260	1	21.972	Pass
		5300	1	26.663	Pass
		5320	1	29.247	Pass
		5500	1	21.922	Pass
		5580	1	21.943	Pass
		5700	1	22.254	Pass

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EMC-TRF-01 Rev 1.1

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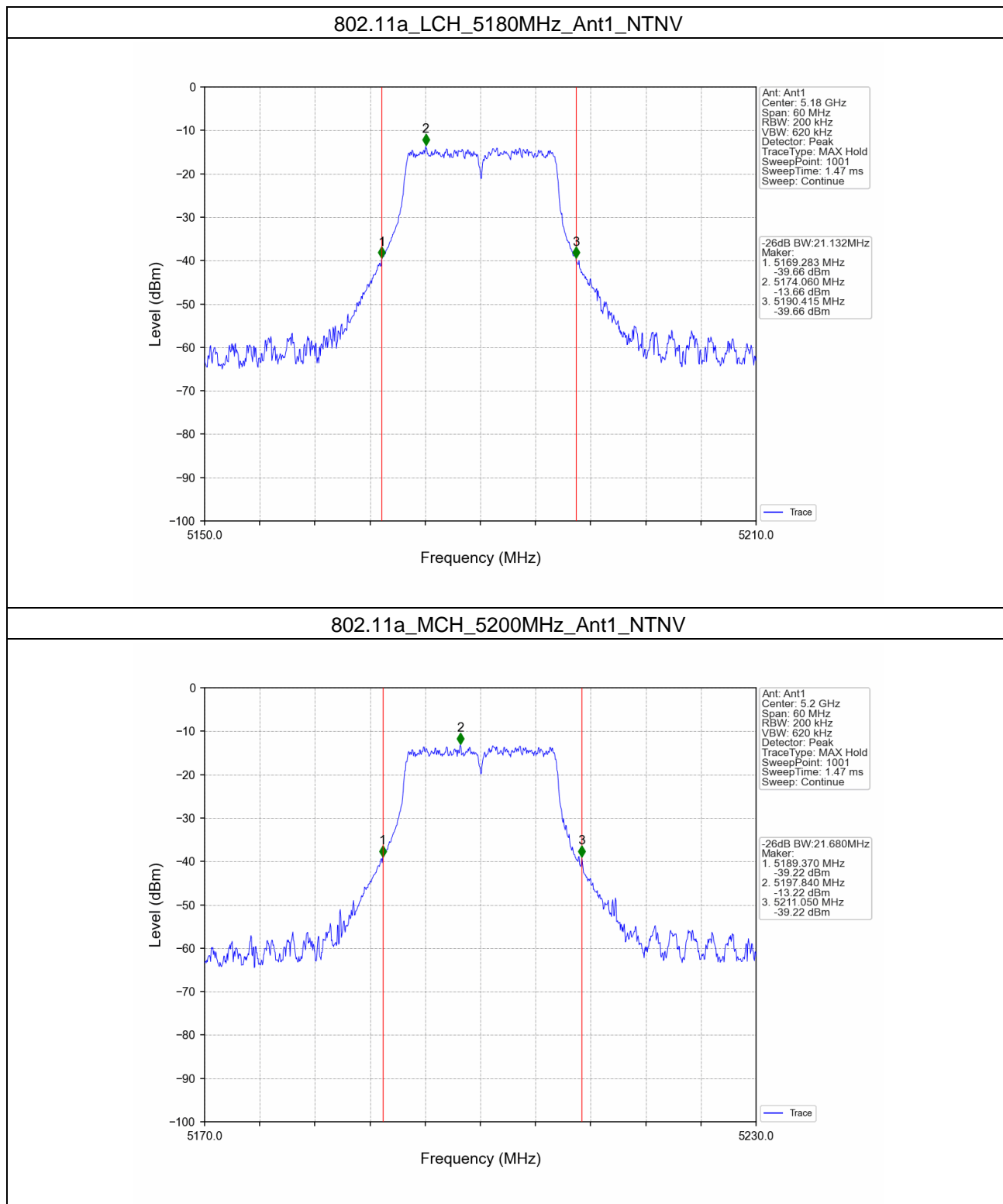
802.11ac (VHT40)	MIMO	5190	1	42.149	Pass
		5230	1	42.180	Pass
		5270	1	42.429	Pass
		5310	1	66.066	Pass
		5510	1	42.153	Pass
		5550	1	41.907	Pass
		5670	1	41.891	Pass
802.11ac (VHT80)	MIMO	5210	1	109.008	Pass
		5290	1	84.560	Pass
		5530	1	85.122	Pass
		5610	1	85.445	Pass



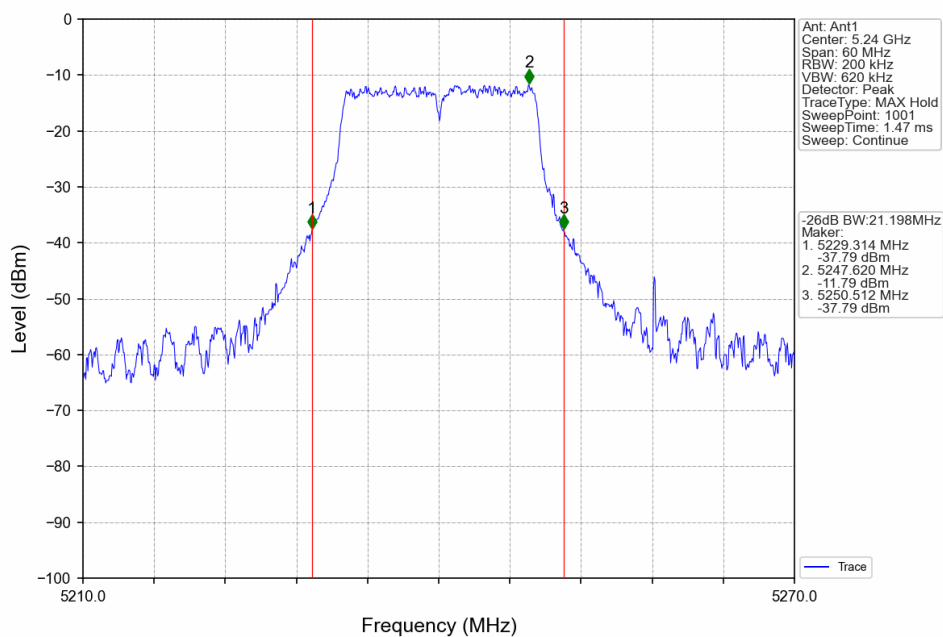
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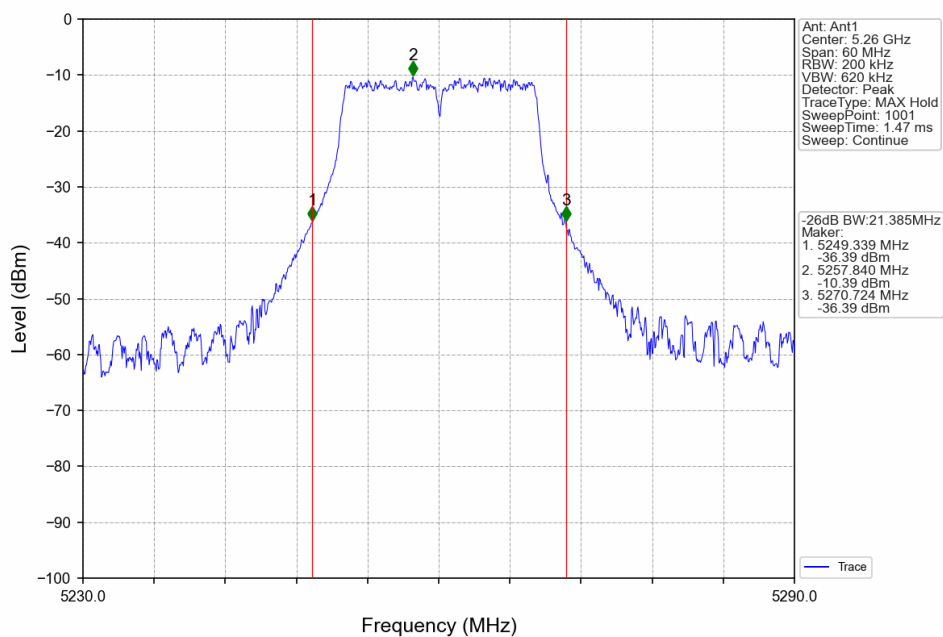
### 2.3.2 Test Graph



802.11a\_HCH\_5240MHz\_Ant1\_NTNV



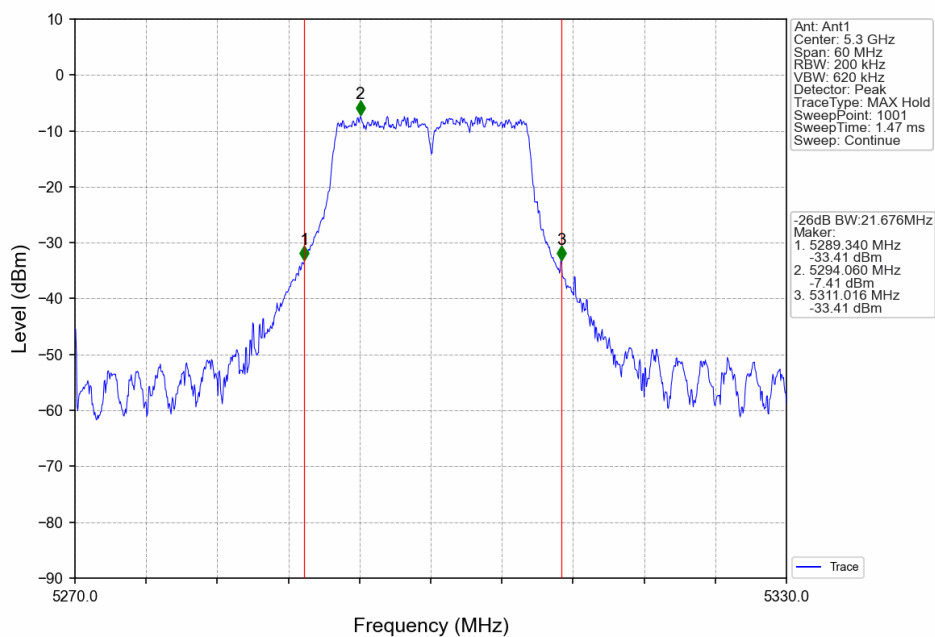
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



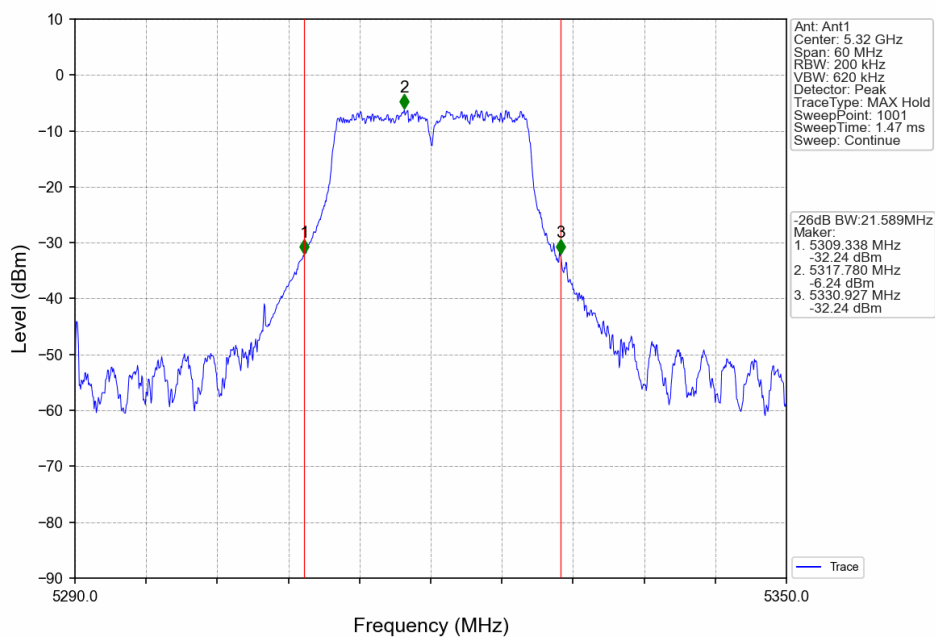
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



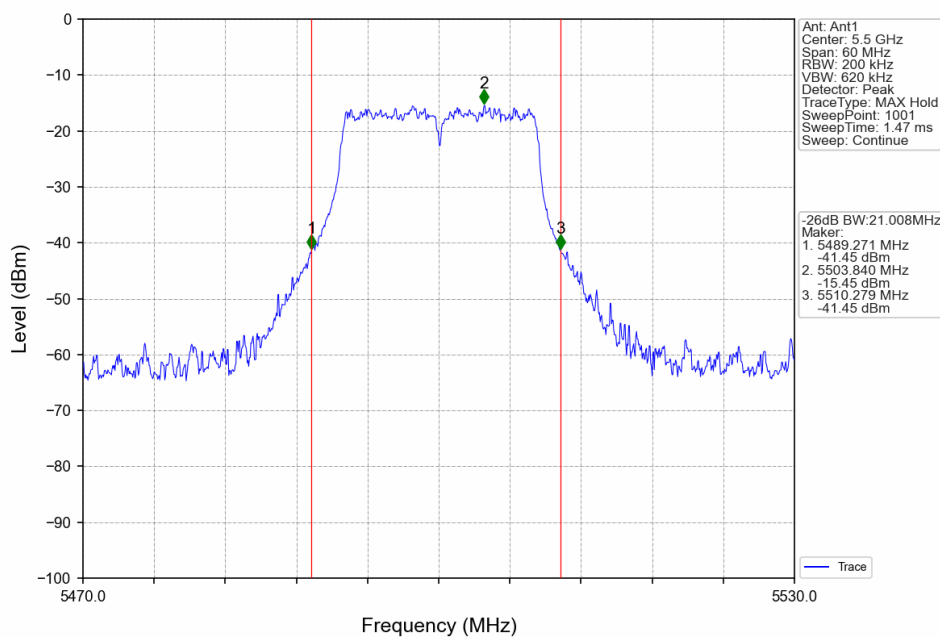
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



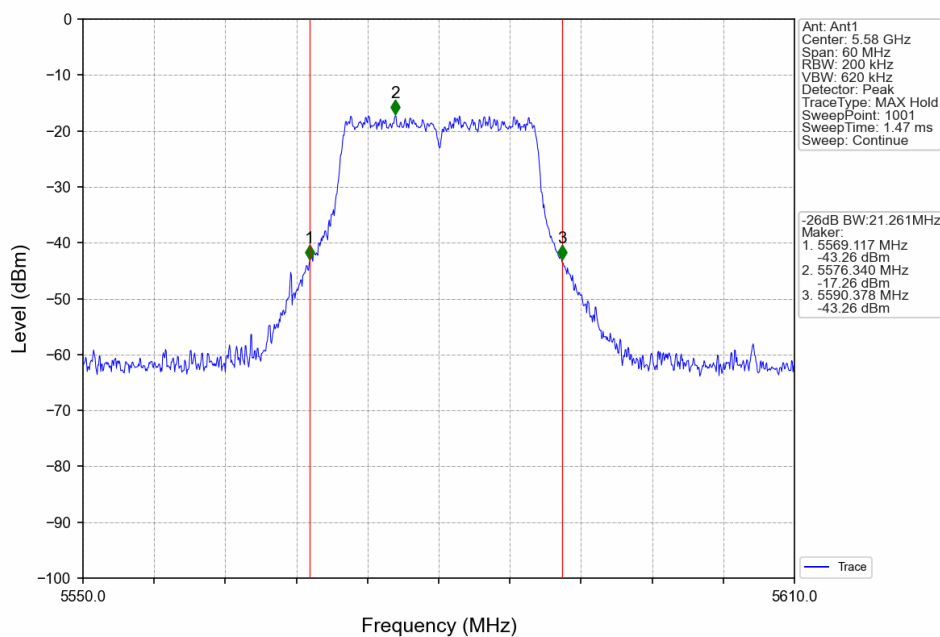
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



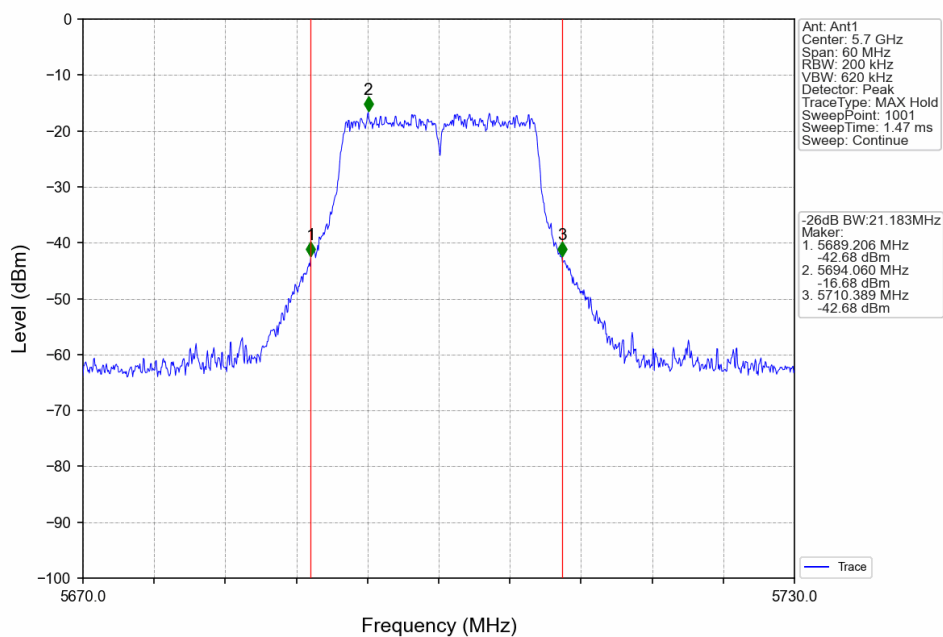
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



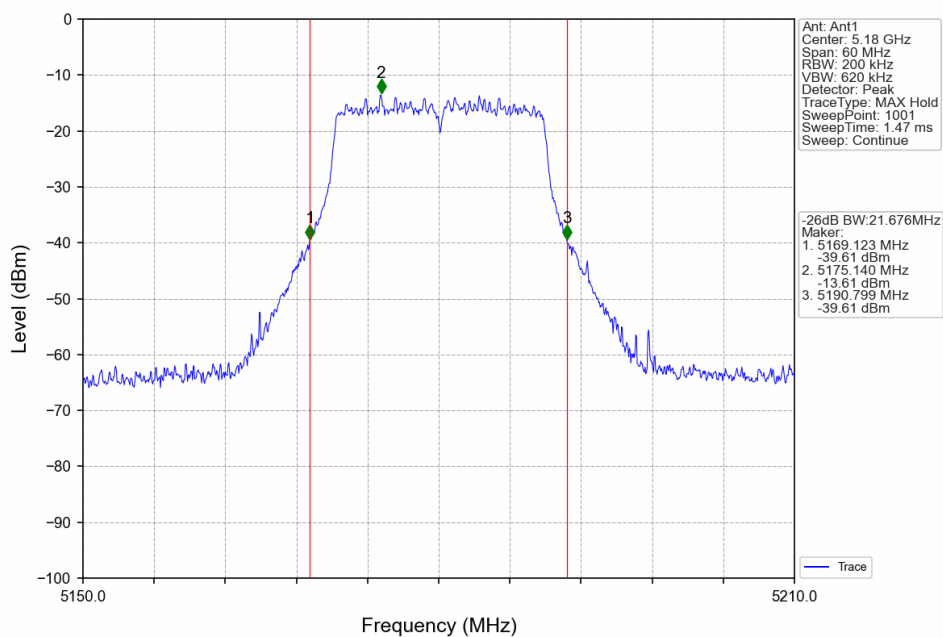
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



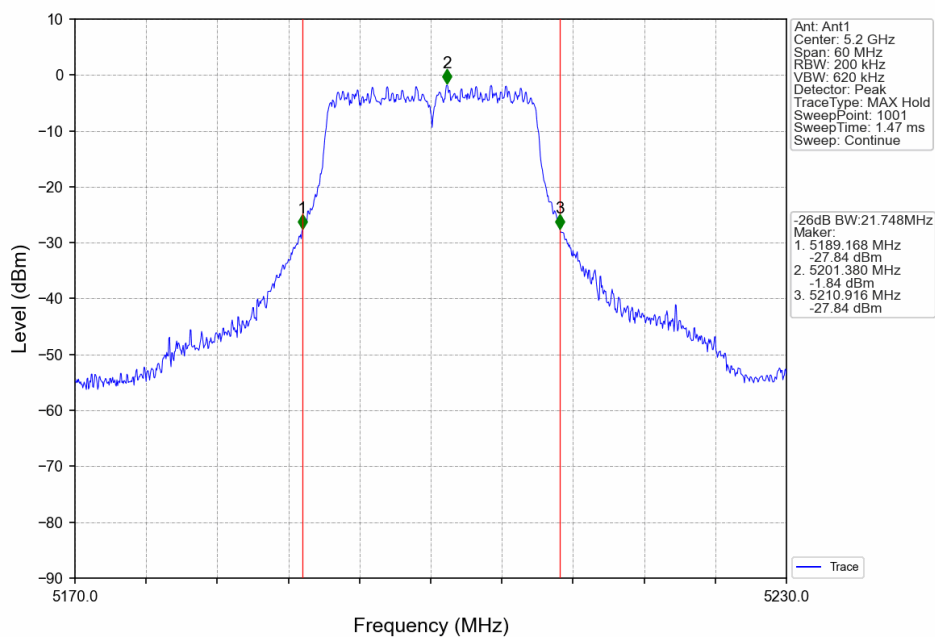
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



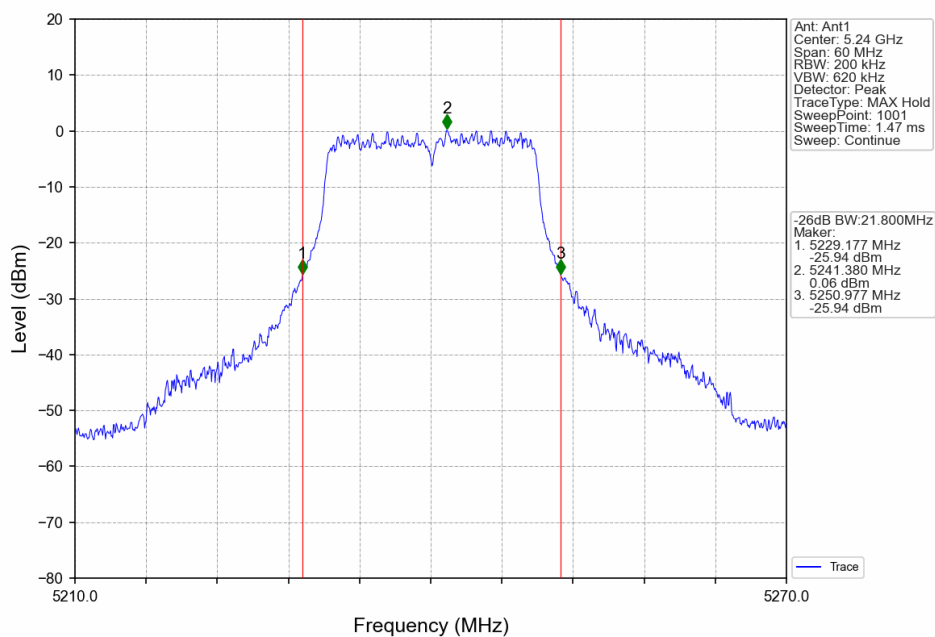
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



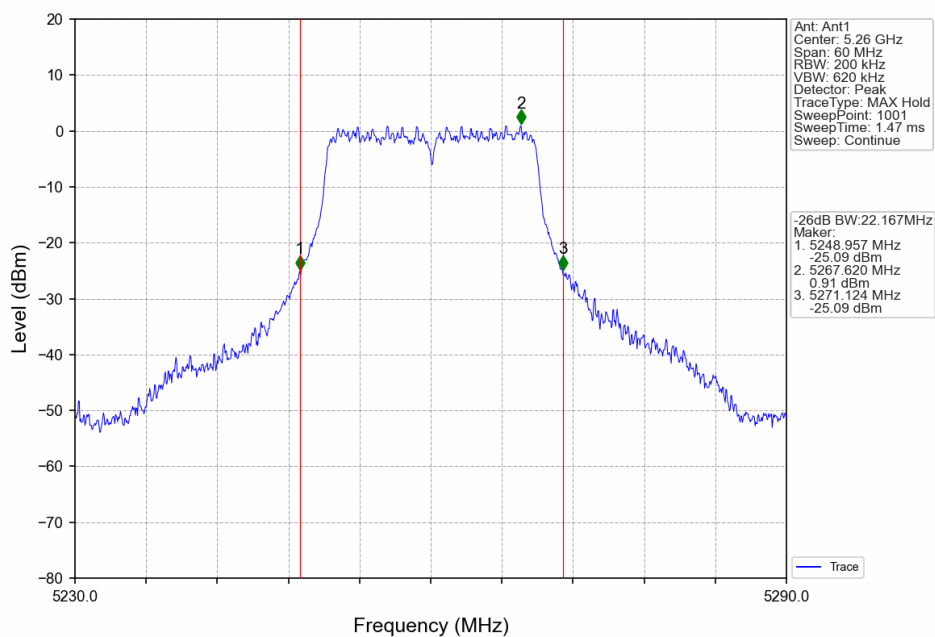
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



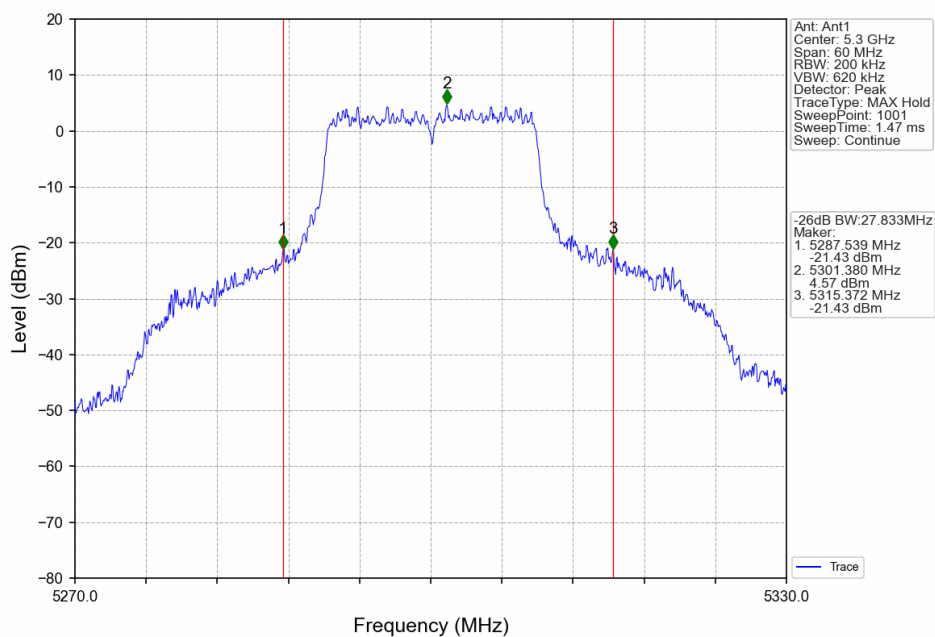
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### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV

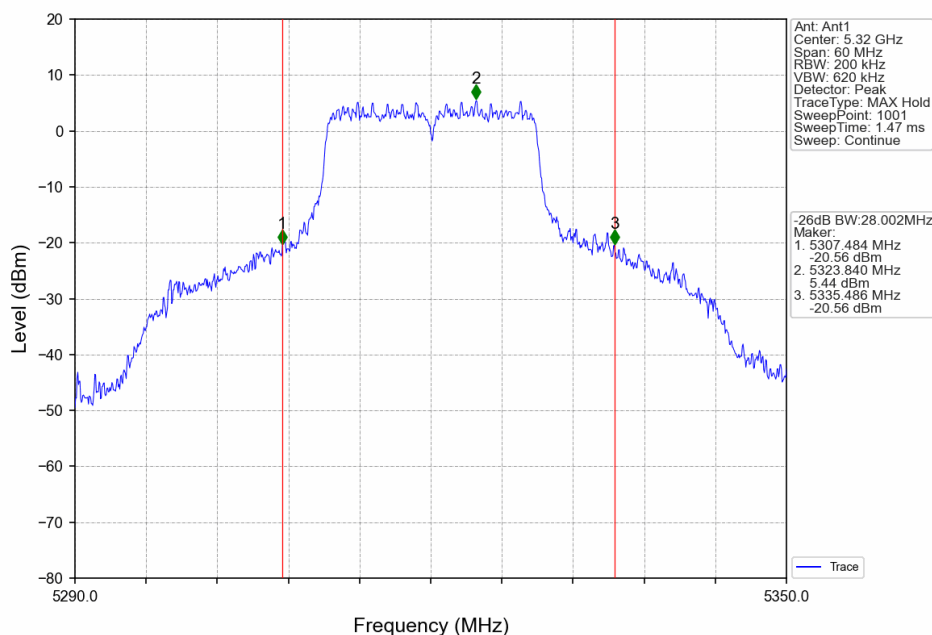


### 802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV

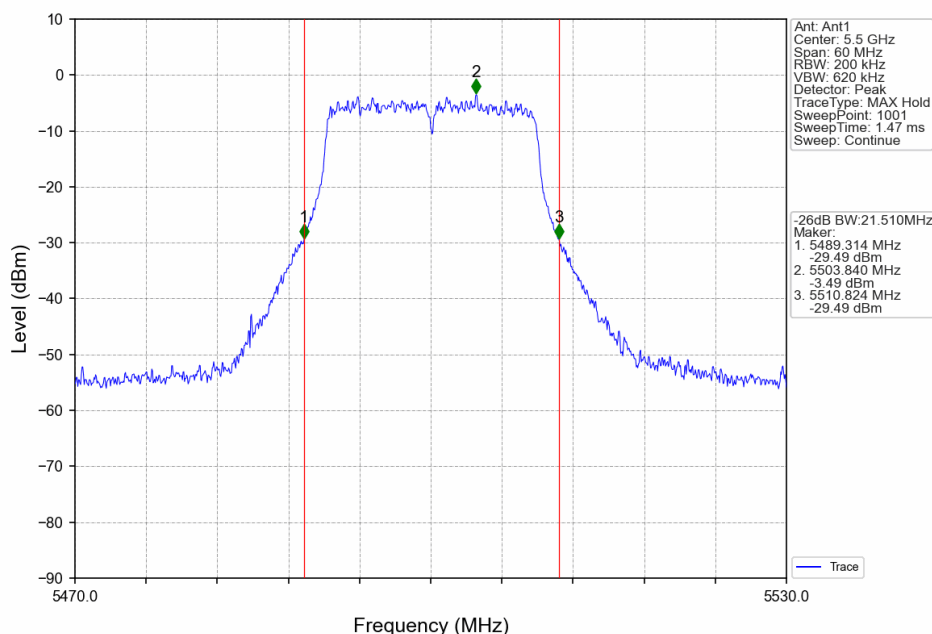


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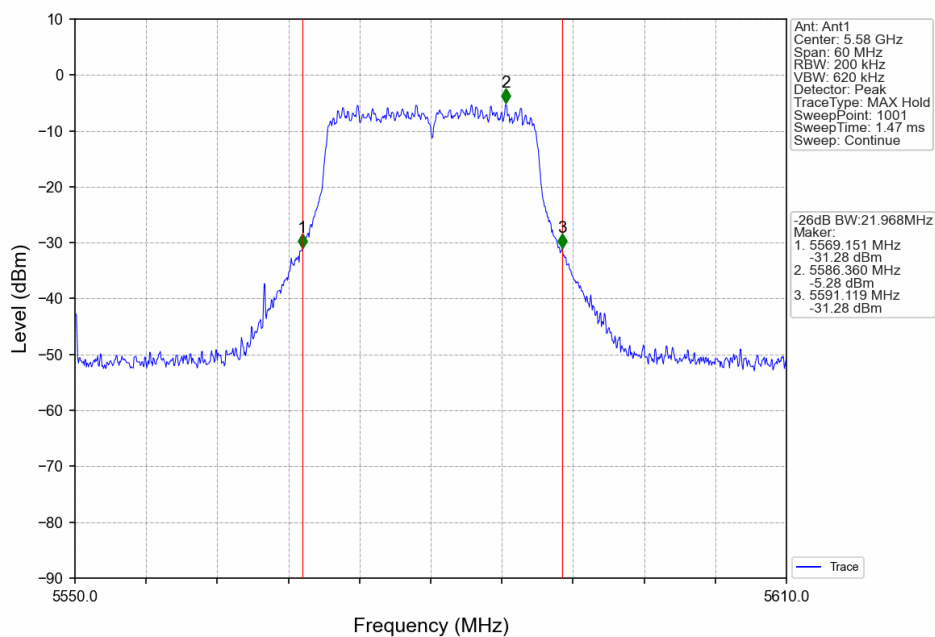
802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



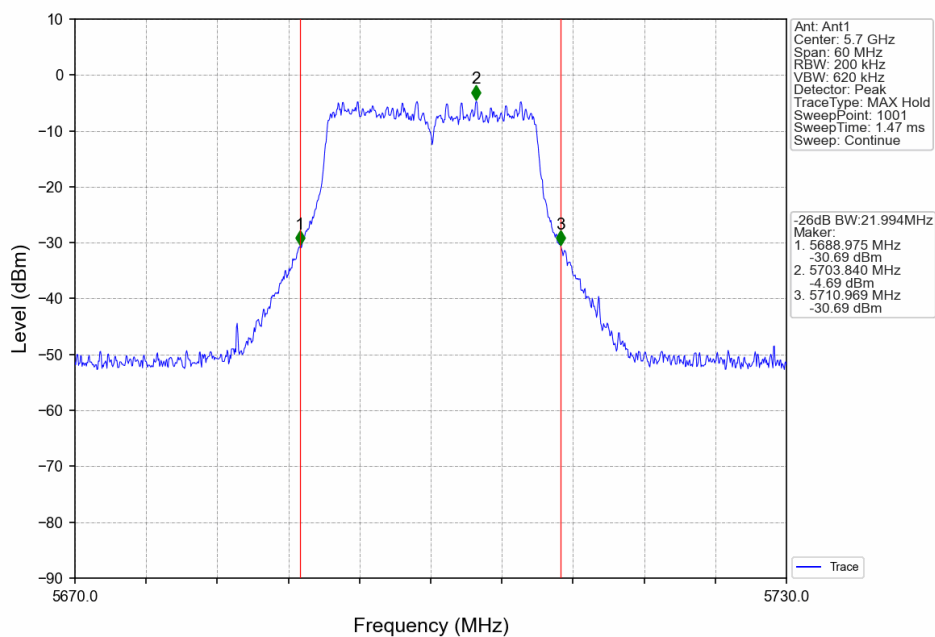
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



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



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

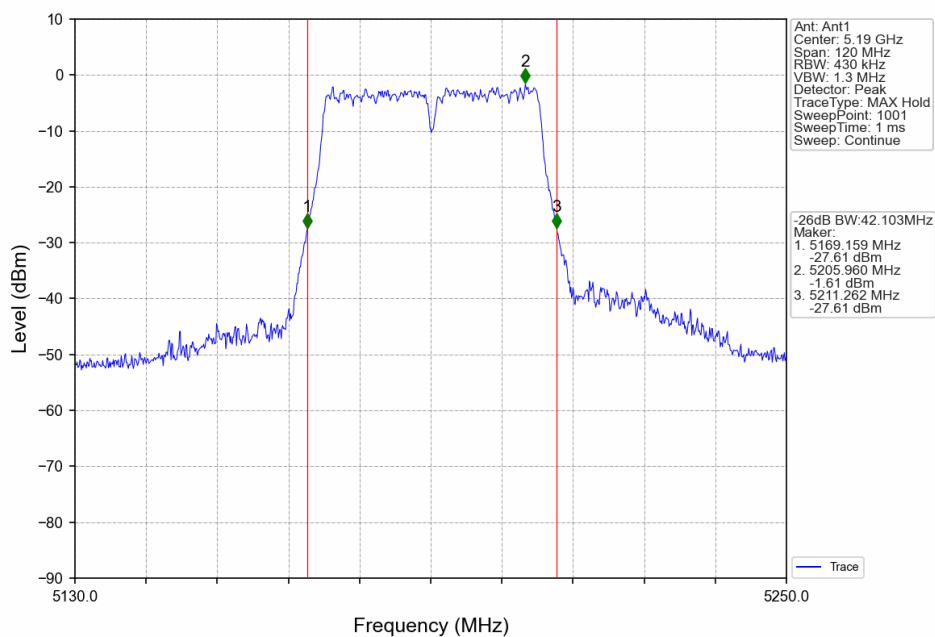


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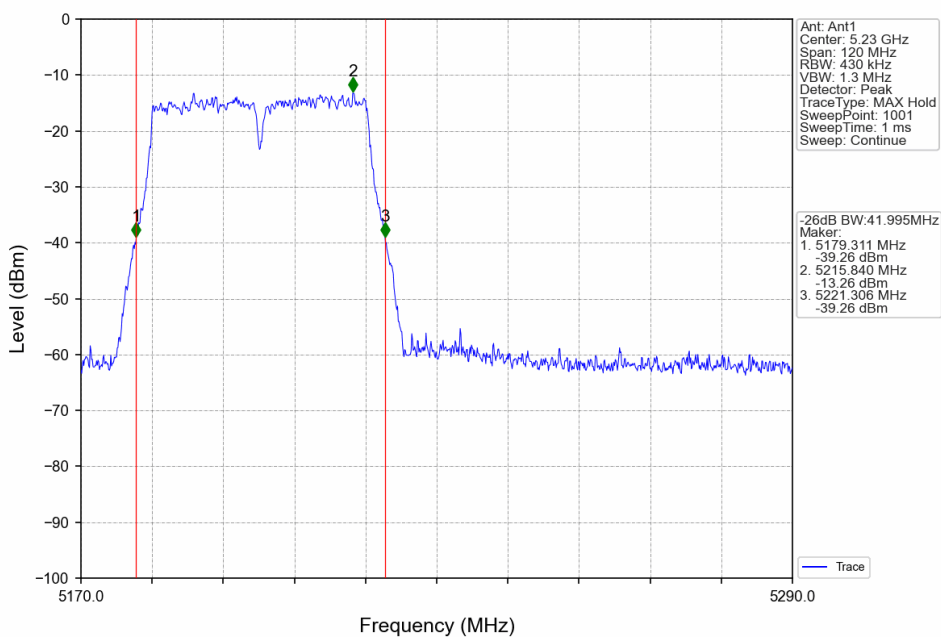
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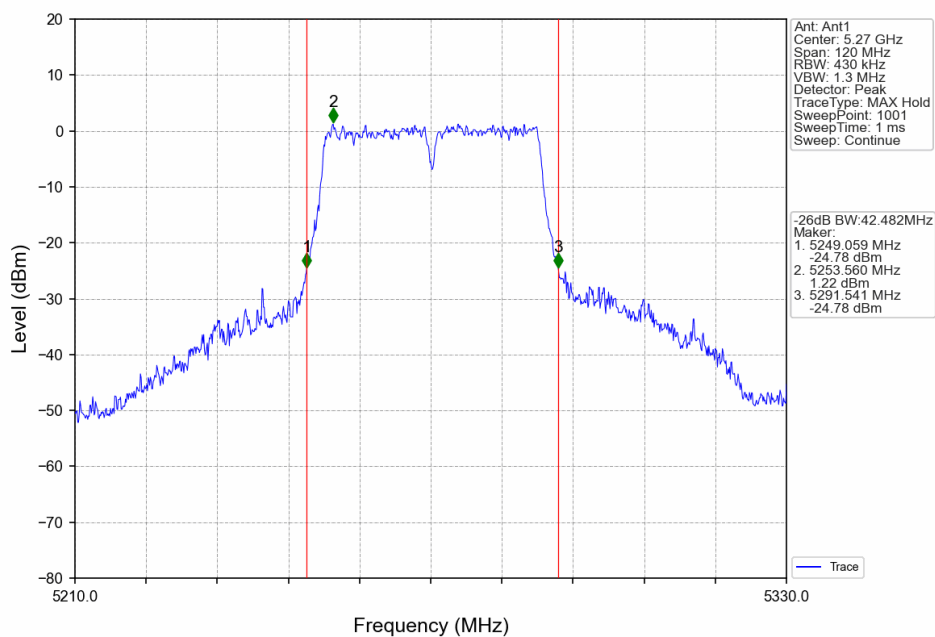
### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



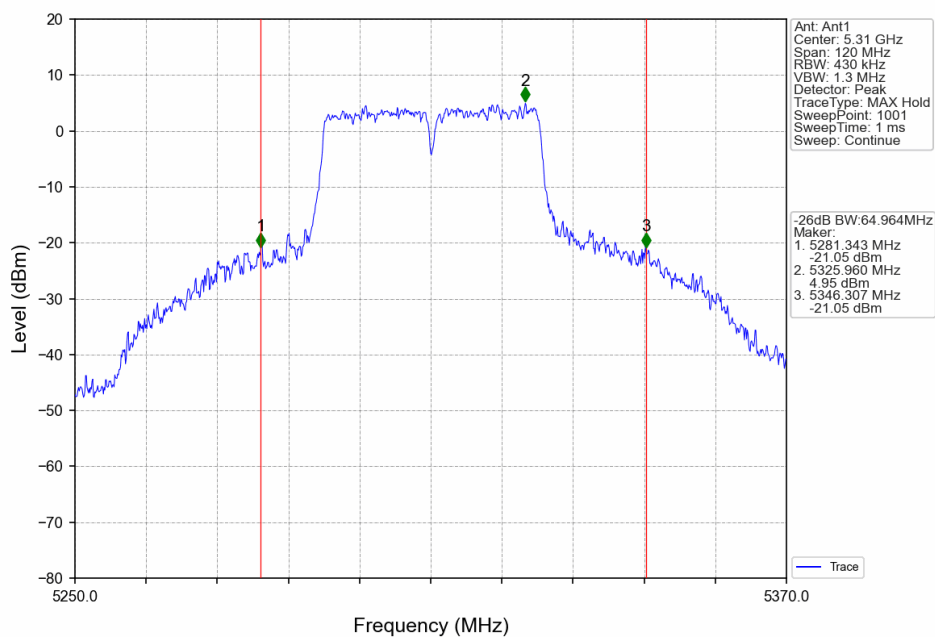
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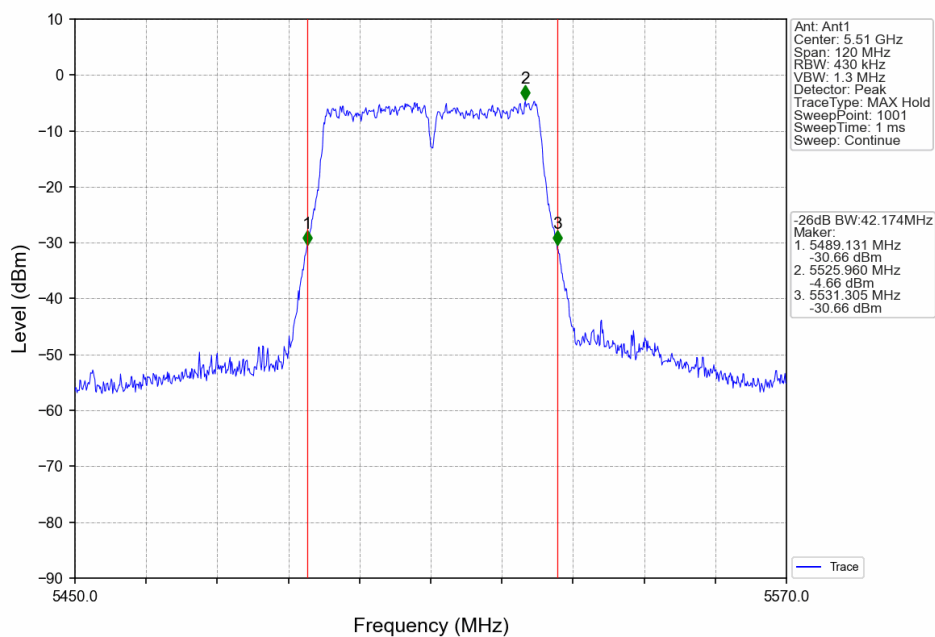
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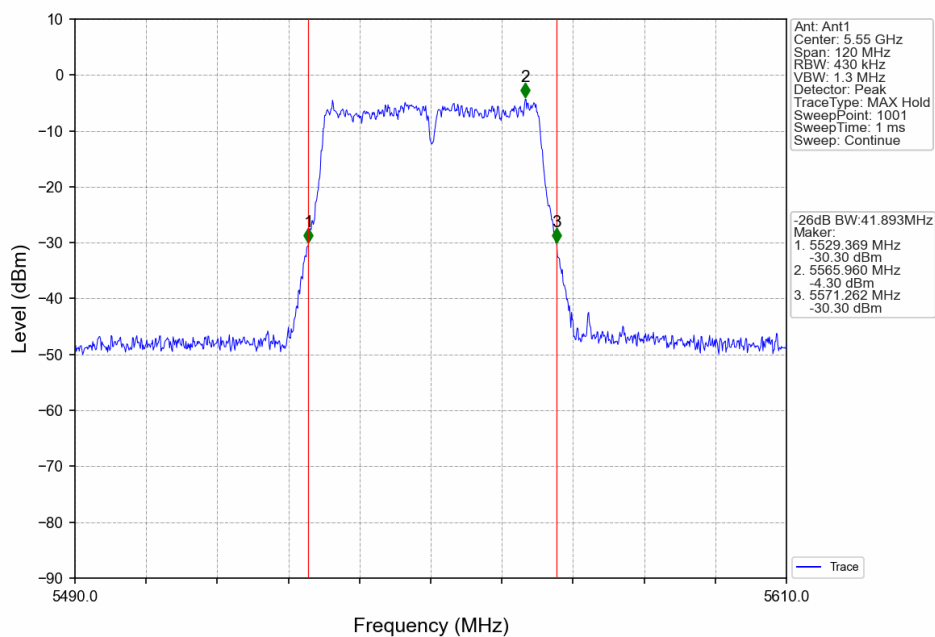
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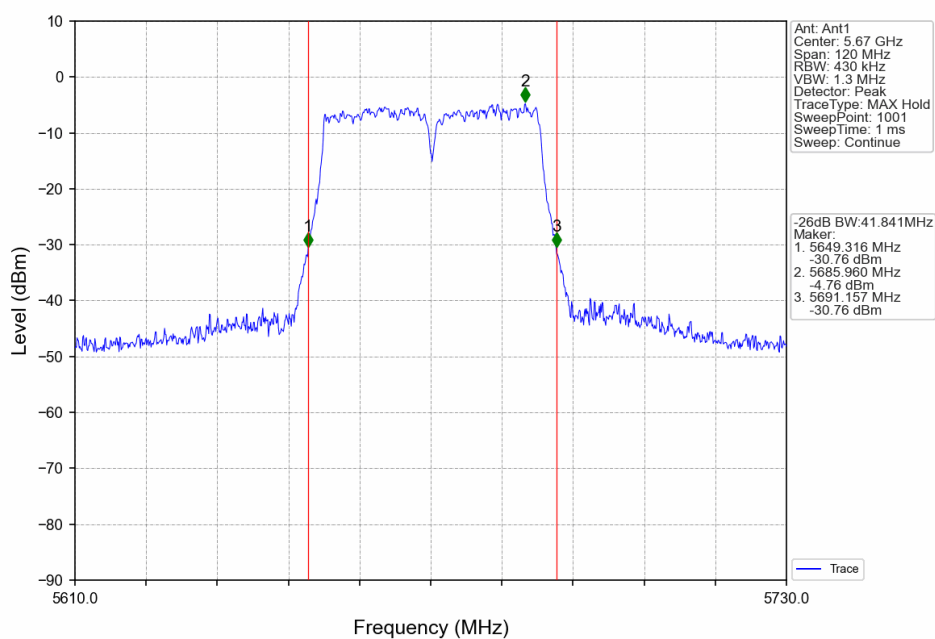
802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



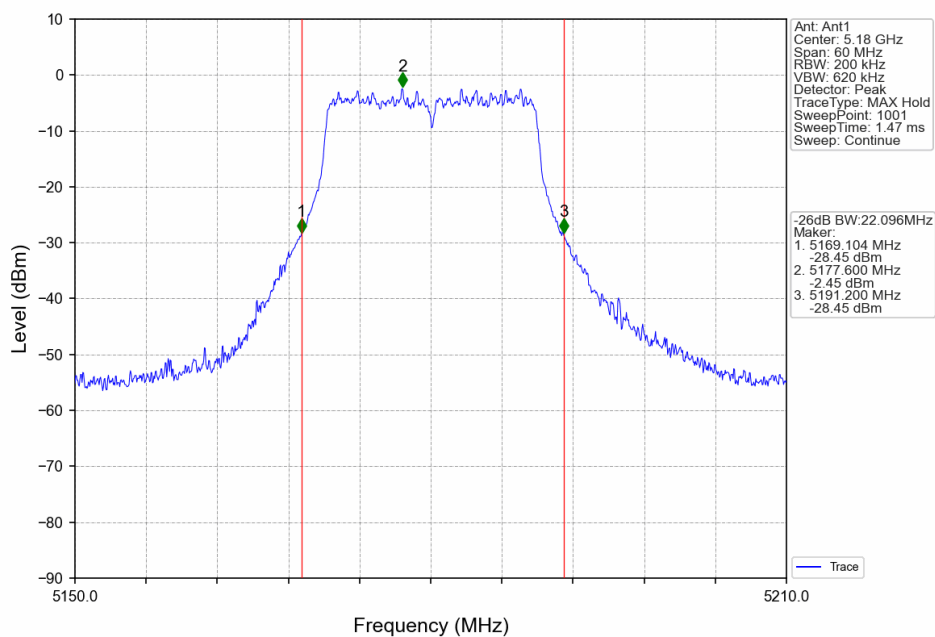
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



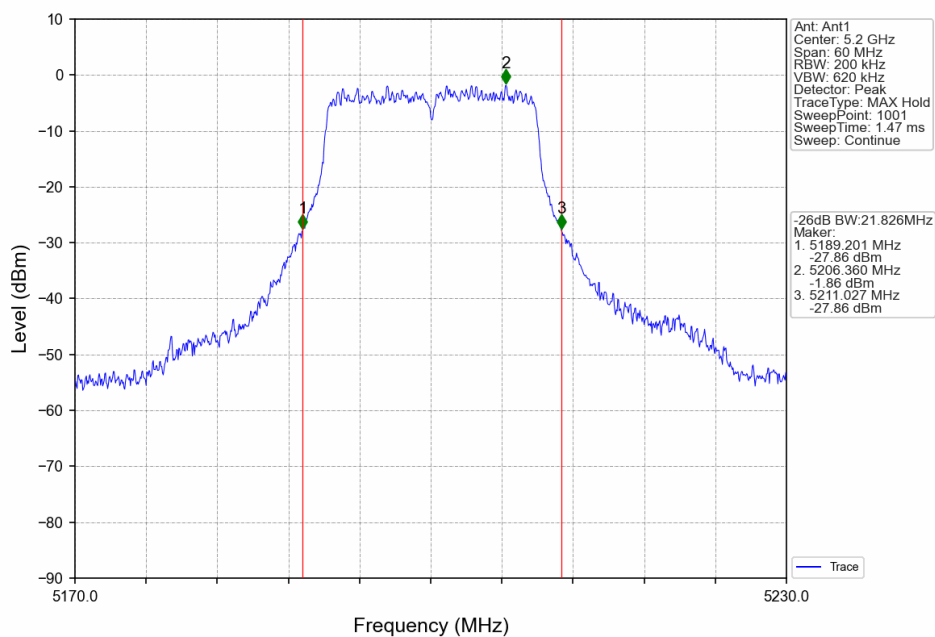
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



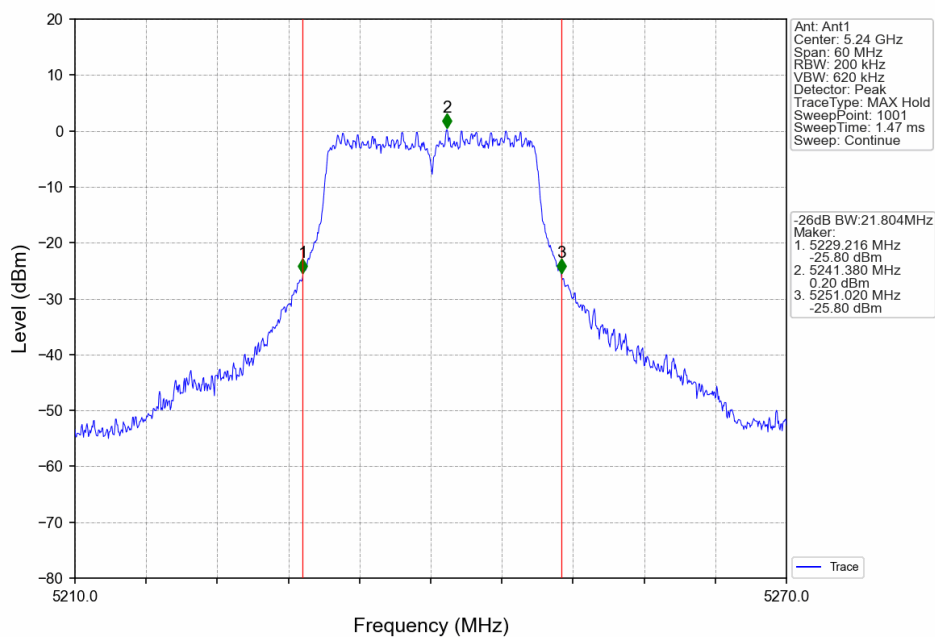
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



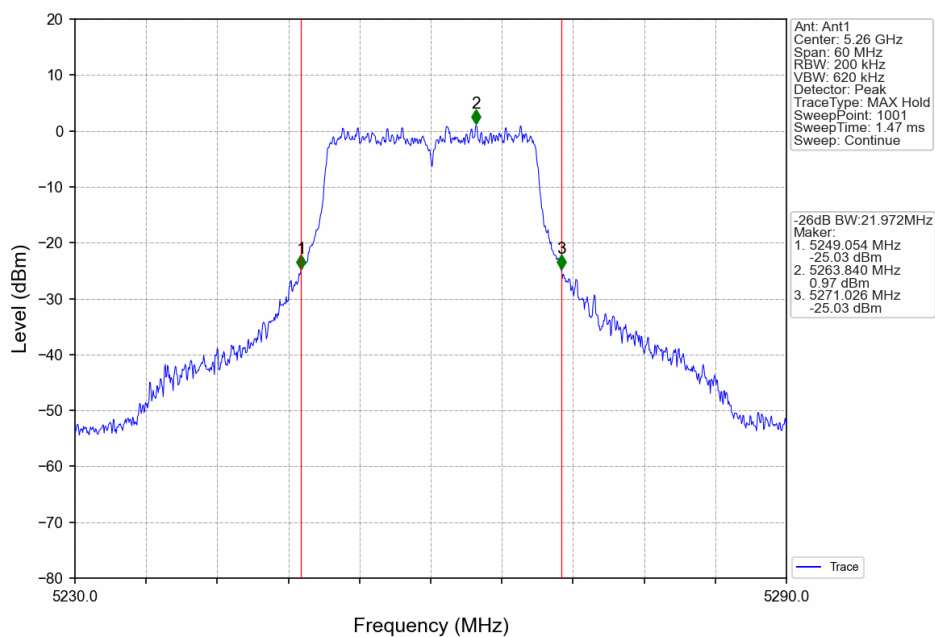
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



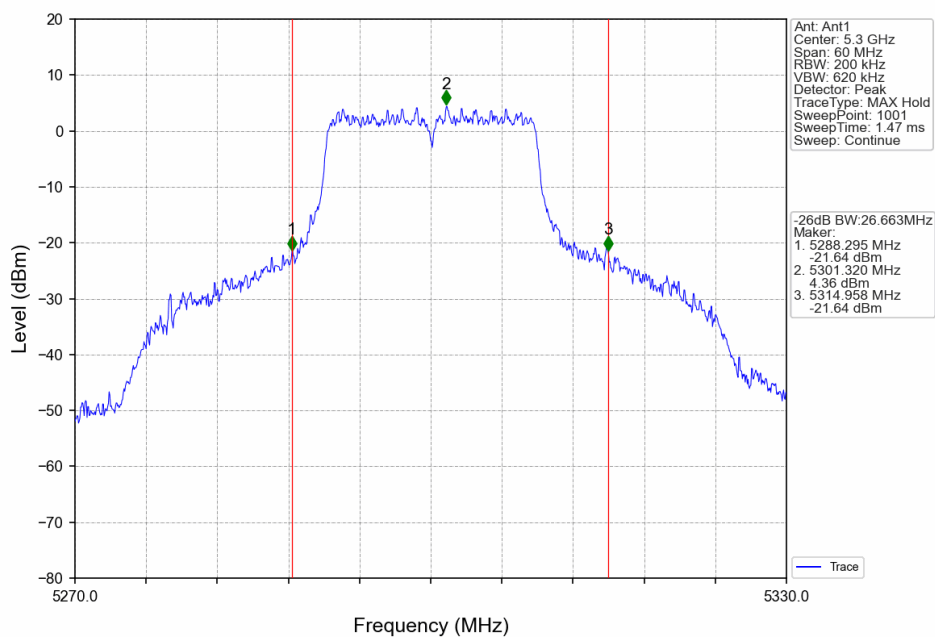
802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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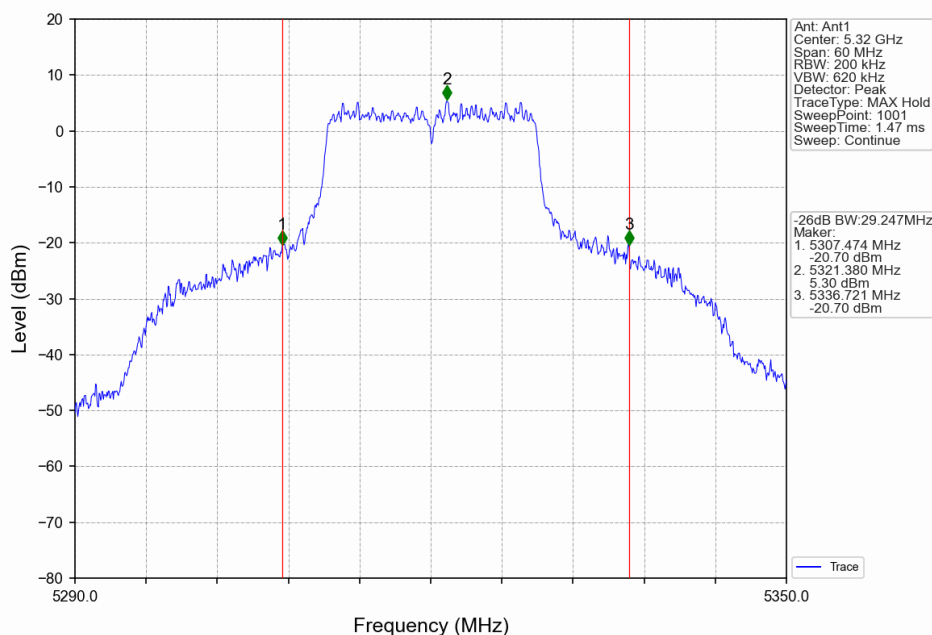


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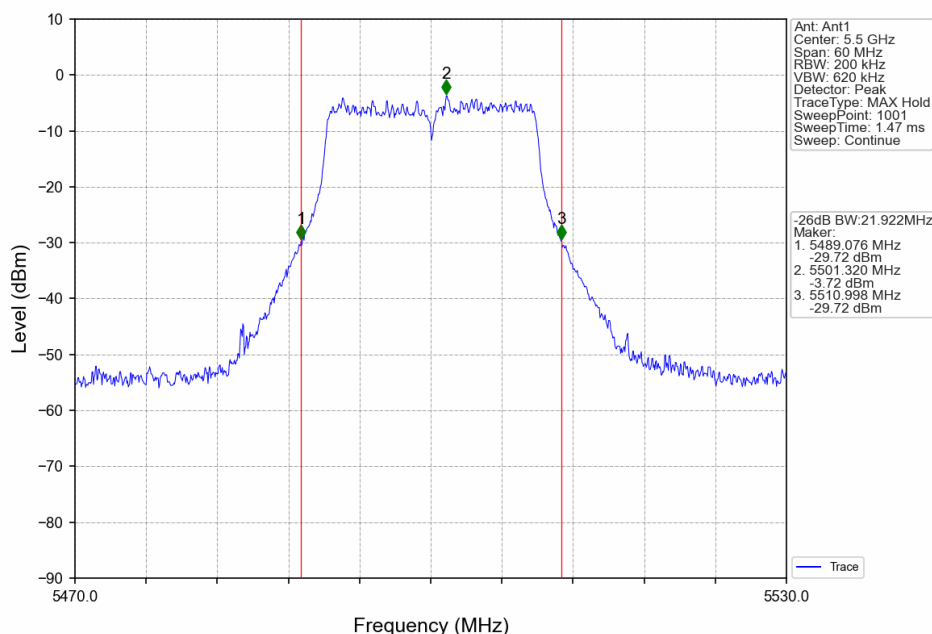


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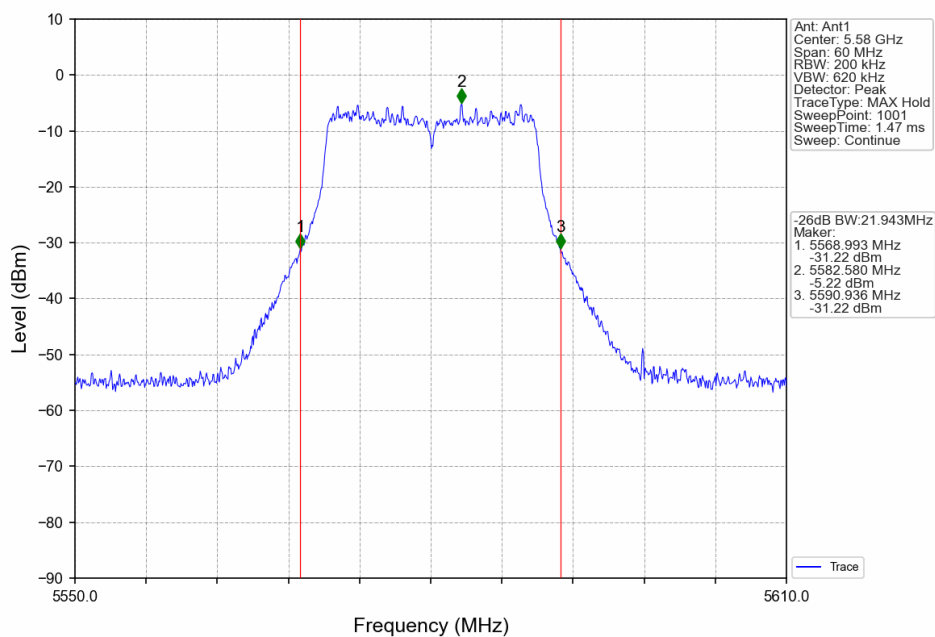
802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



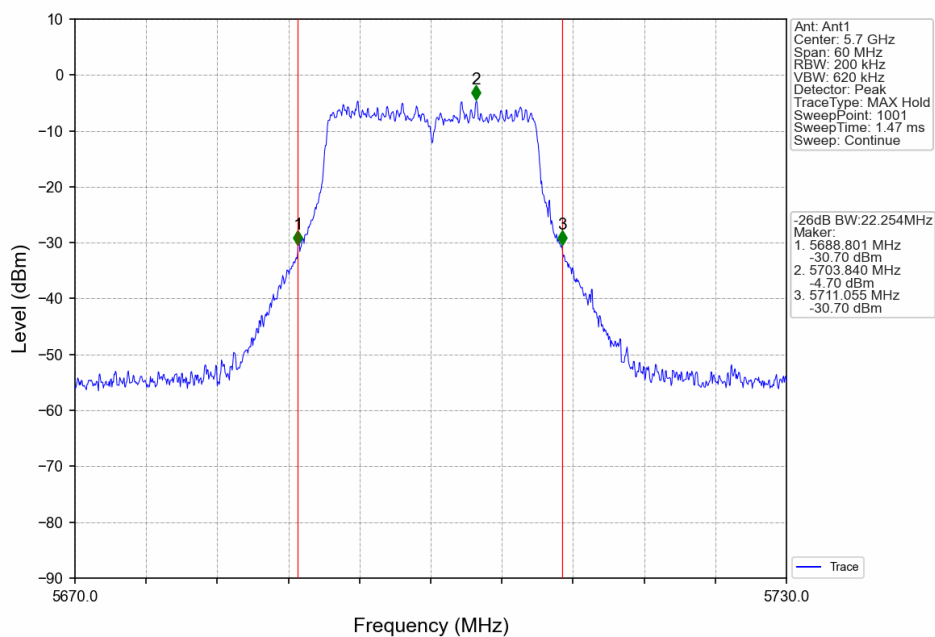
802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



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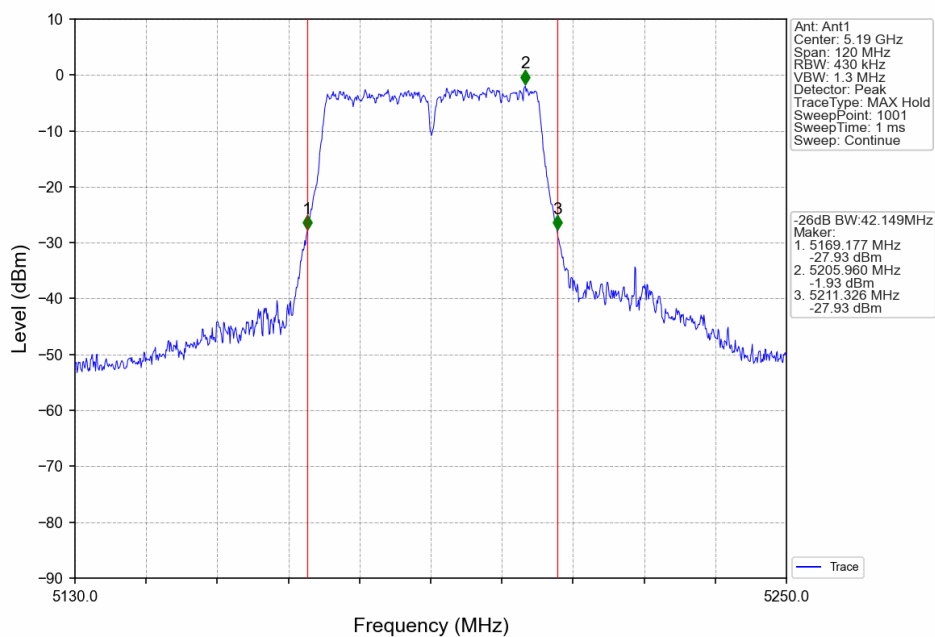


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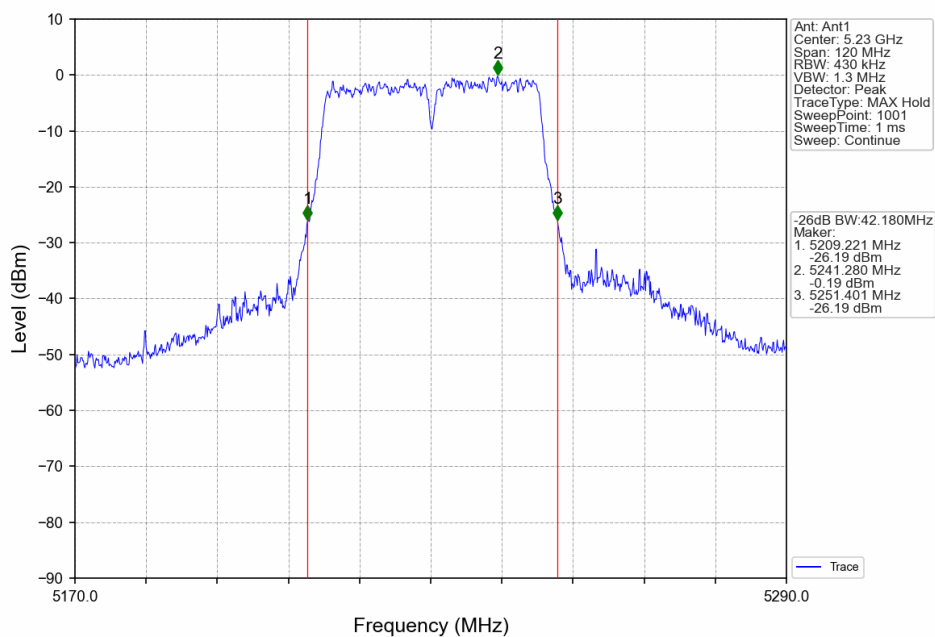


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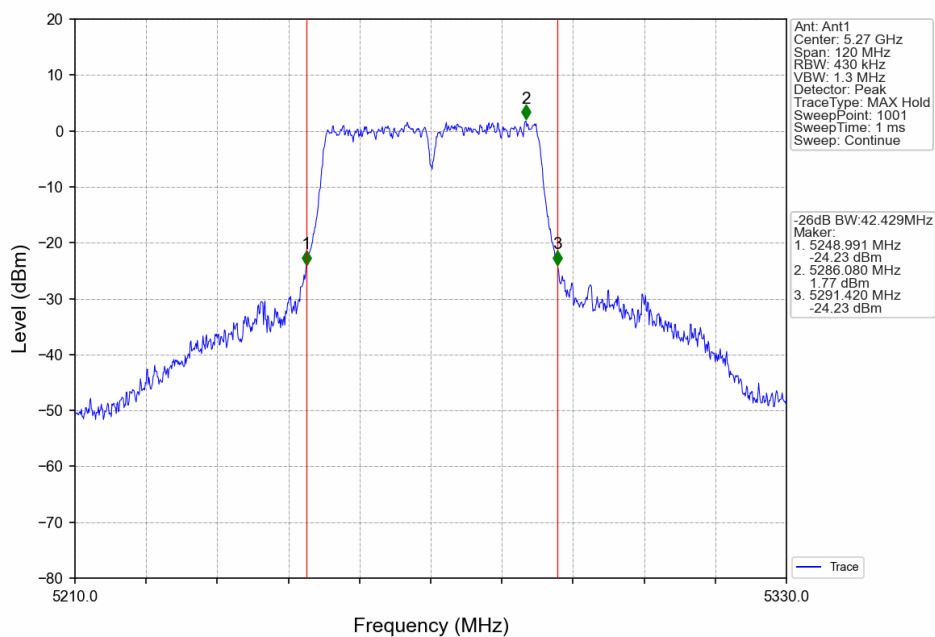
### 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



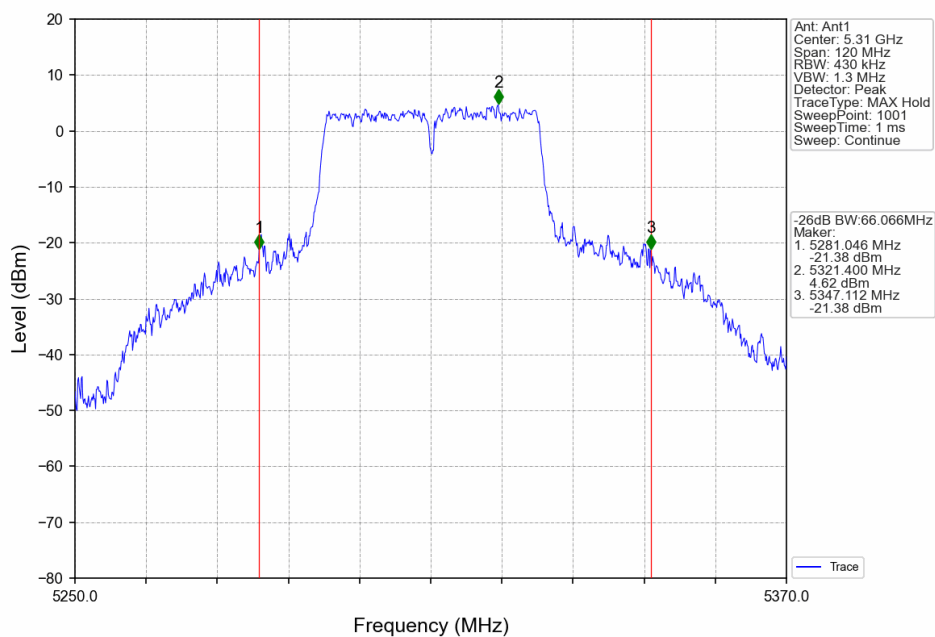
### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV



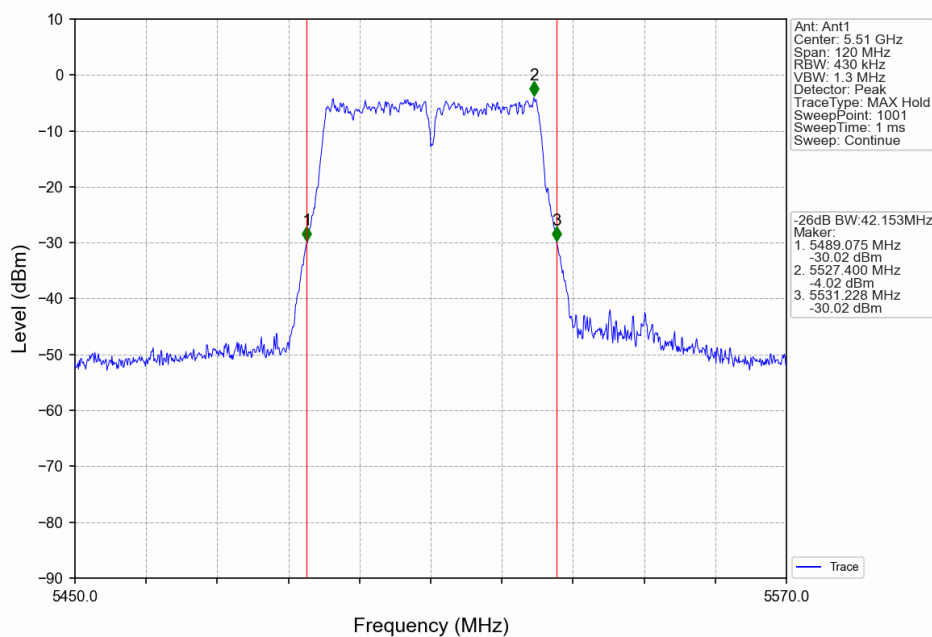
802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



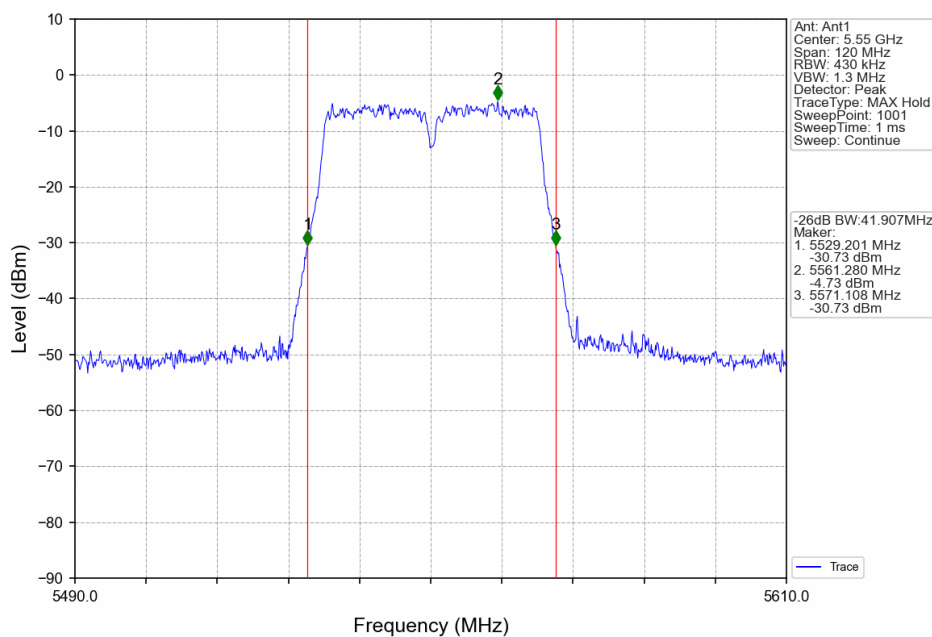
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802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



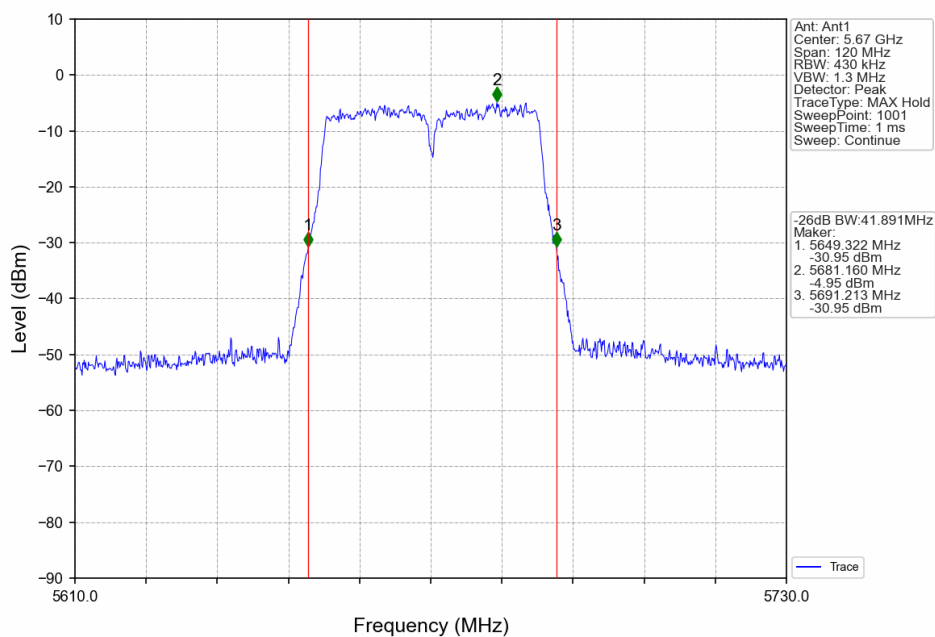
802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



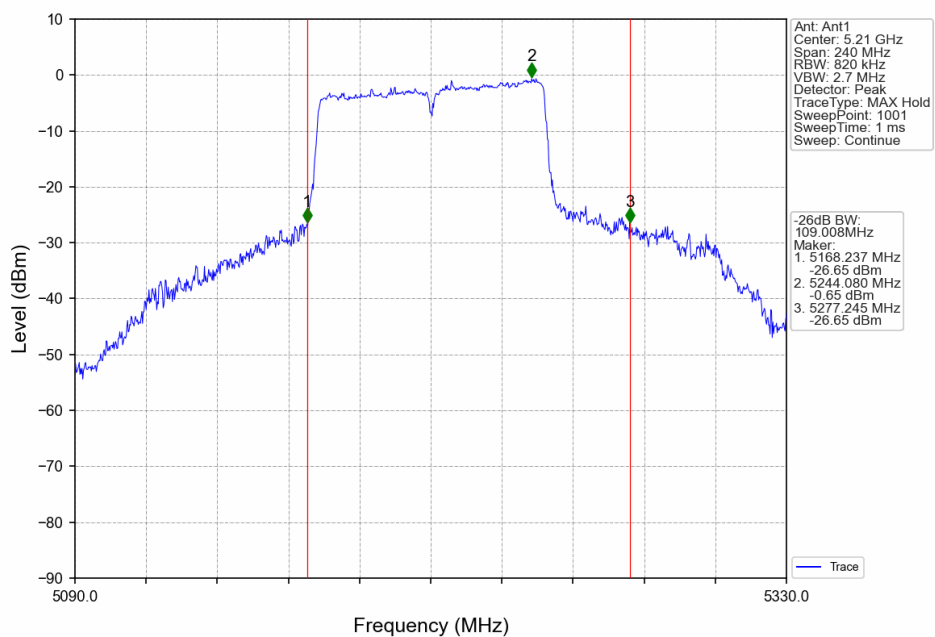
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802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV

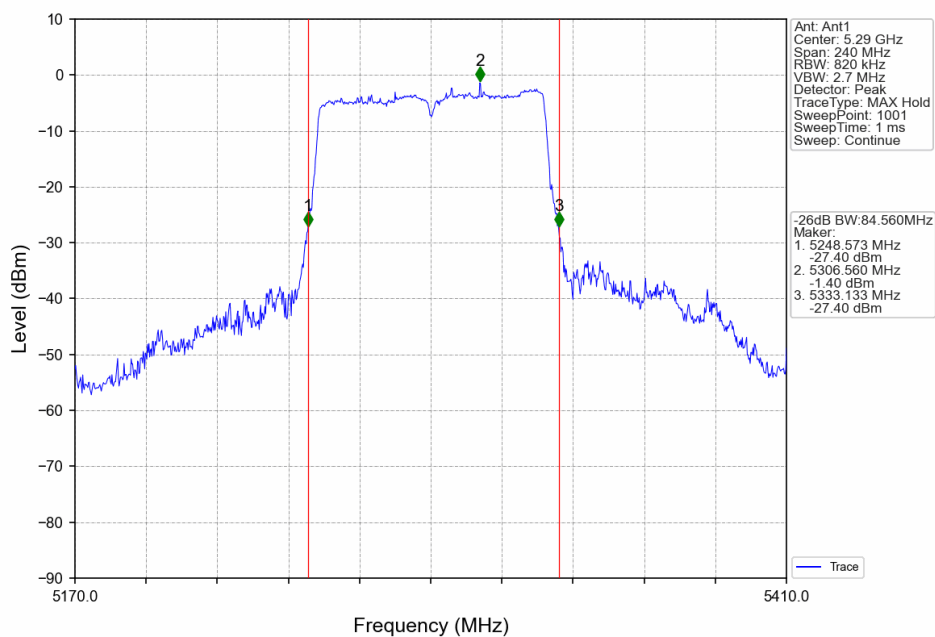


802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV

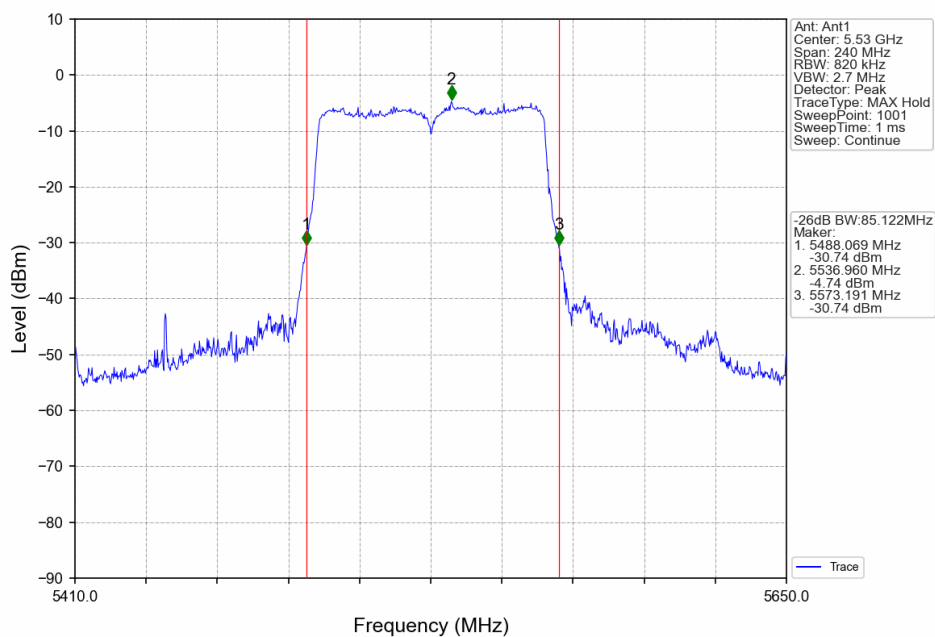


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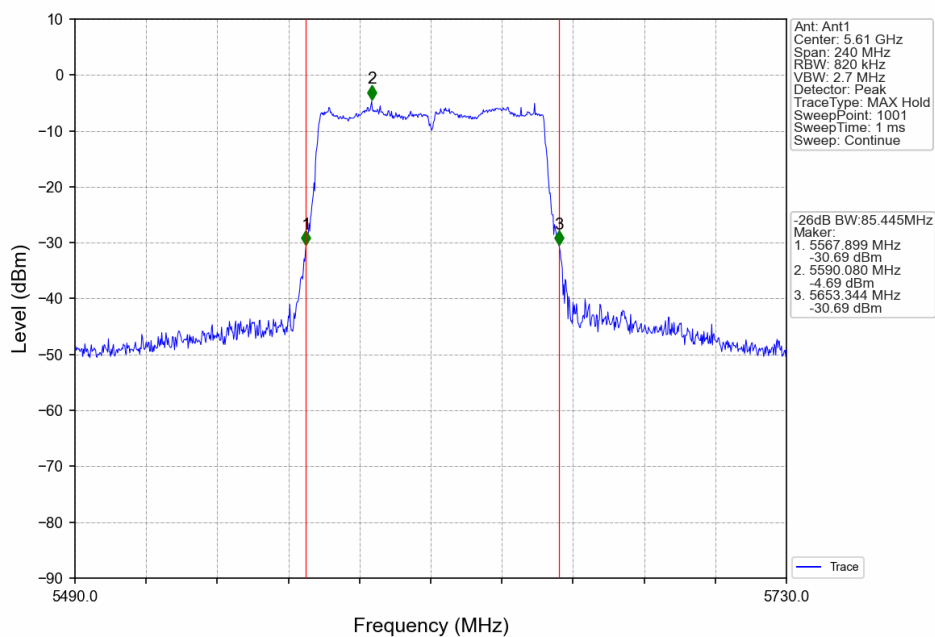
802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



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



### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-3.82	2.54	/	<=23.98	Pass
		5200	-3.12	1.45	/	<=23.98	Pass
		5240	-1.30	-0.05	/	<=23.98	Pass
		5260	-0.36	-0.92	/	<=23.98	Pass
		5300	3.08	-2.08	/	<=23.98	Pass
		5320	4.13	-2.40	/	<=23.98	Pass
		5500	-5.33	-5.40	/	<=23.98	Pass
		5580	-6.78	-6.03	/	<=23.98	Pass
		5700	-6.36	-6.21	/	<=23.98	Pass
		5745	-6.15	4.76	/	<=30	Pass
		5785	5.71	4.97	/	<=30	Pass
		5825	5.62	5.09	/	<=30	Pass
802.11n (HT20)	MIMO	5180	7.73	12.51	13.76	<=23.98	Pass
		5200	8.46	12.22	13.75	<=23.98	Pass
		5240	10.38	11.09	13.76	<=23.98	Pass
		5260	11.50	11.03	14.28	<=23.98	Pass
		5300	14.74	9.82	15.95	<=23.98	Pass
		5320	15.50	9.46	16.47	<=23.98	Pass
		5500	6.74	6.48	9.62	<=23.98	Pass
		5580	5.28	5.91	8.62	<=23.98	Pass
		5700	5.48	5.69	8.60	<=23.98	Pass
		5745	5.79	5.29	8.56	<=30	Pass
		5785	6.18	5.42	8.83	<=30	Pass
		5825	6.13	5.59	8.88	<=30	Pass
802.11n (HT40)	MIMO	5190	8.60	3.32	9.73	<=23.98	Pass
		5230	9.36	11.30	13.45	<=23.98	Pass
		5270	12.28	10.68	14.56	<=23.98	Pass
		5310	15.24	9.57	16.28	<=23.98	Pass
		5510	6.18	6.41	9.31	<=23.98	Pass
		5550	5.76	6.19	8.99	<=23.98	Pass
		5670	5.49	5.96	8.74	<=23.98	Pass
		5755	5.87	5.15	8.54	<=30	Pass



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		5795	6.37	5.48	8.96	<=30	Pass
802.11ac (VHT20)	MIMO	5180	7.94	12.60	13.88	<=23.98	Pass
		5200	8.70	12.70	14.16	<=23.98	Pass
		5240	10.34	11.73	14.10	<=23.98	Pass
		5260	11.29	10.95	14.13	<=23.98	Pass
		5300	14.60	9.90	15.87	<=23.98	Pass
		5320	15.46	9.48	16.44	<=23.98	Pass
		5500	6.43	6.57	9.51	<=23.98	Pass
		5580	4.84	5.86	8.39	<=23.98	Pass
		5700	5.51	5.69	8.61	<=23.98	Pass
		5745	5.86	5.37	8.63	<=30	Pass
		5785	6.35	5.61	9.01	<=30	Pass
		5825	6.15	5.66	8.92	<=30	Pass
802.11ac (VHT40)	MIMO	5190	8.40	2.40	9.37	<=23.98	Pass
		5230	10.14	12.09	14.23	<=23.98	Pass
		5270	12.22	10.70	14.54	<=23.98	Pass
		5310	15.15	9.65	16.23	<=23.98	Pass
		5510	6.29	6.33	9.32	<=23.98	Pass
		5550	5.60	6.16	8.90	<=23.98	Pass
		5670	5.44	5.97	8.72	<=23.98	Pass
		5755	5.90	5.35	8.64	<=30	Pass
		5795	6.40	5.66	9.06	<=30	Pass
802.11ac (VHT80)	MIMO	5210	9.60	12.55	14.33	<=23.98	Pass
		5290	8.16	9.96	12.16	<=23.98	Pass
		5530	6.16	6.51	9.35	<=23.98	Pass
		5610	5.32	6.08	8.73	<=23.98	Pass
		5775	6.08	5.35	8.74	<=30	Pass
Note1: Antenna Gain: Ant1: 2.68dBi; Ant2: 2.68dBi; Note2: Directional Gain: 5.68 dBi							



### 3.1.2 Test Graph

