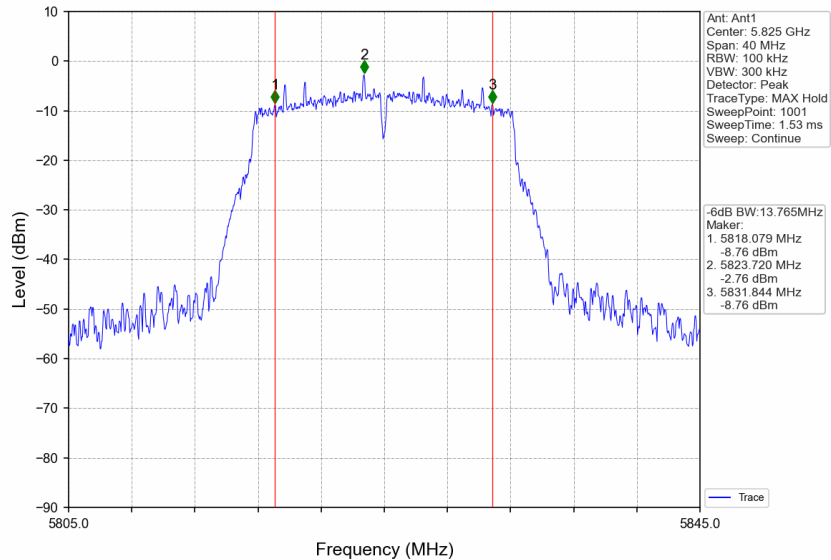
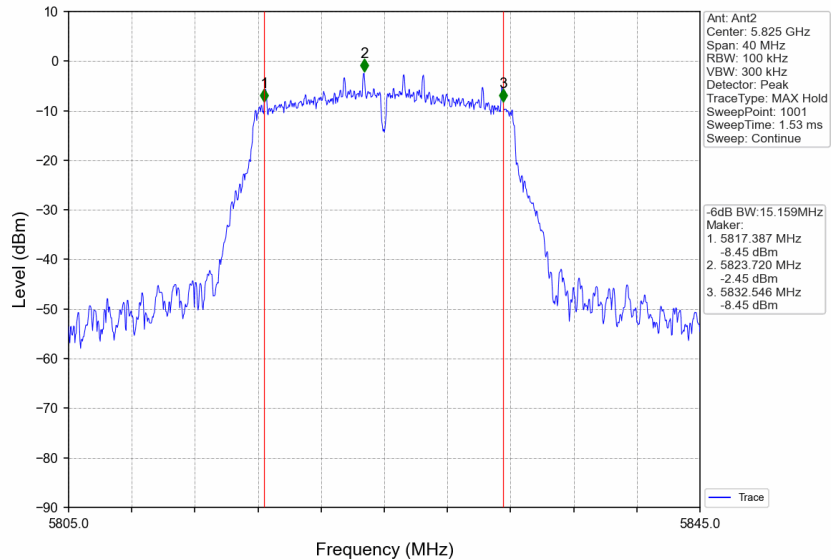


802.11a\_HCH\_5825MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant2\_NTNV



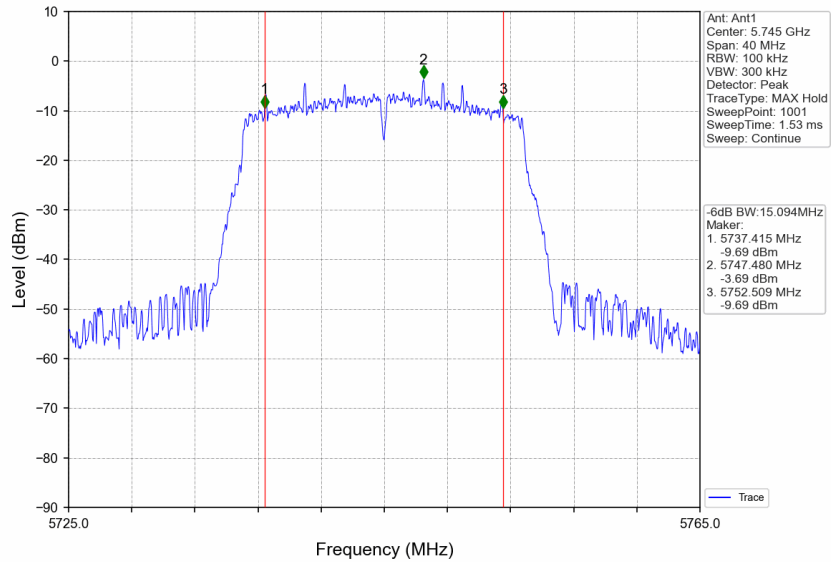
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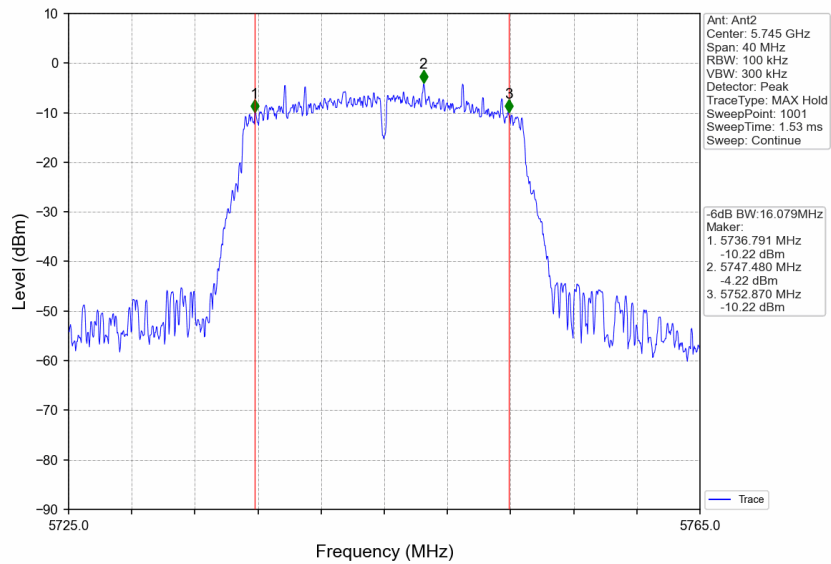
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



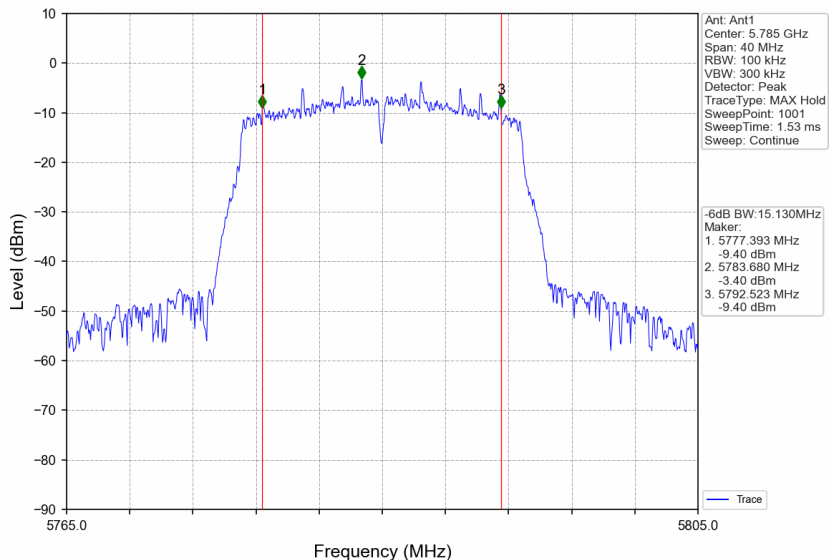
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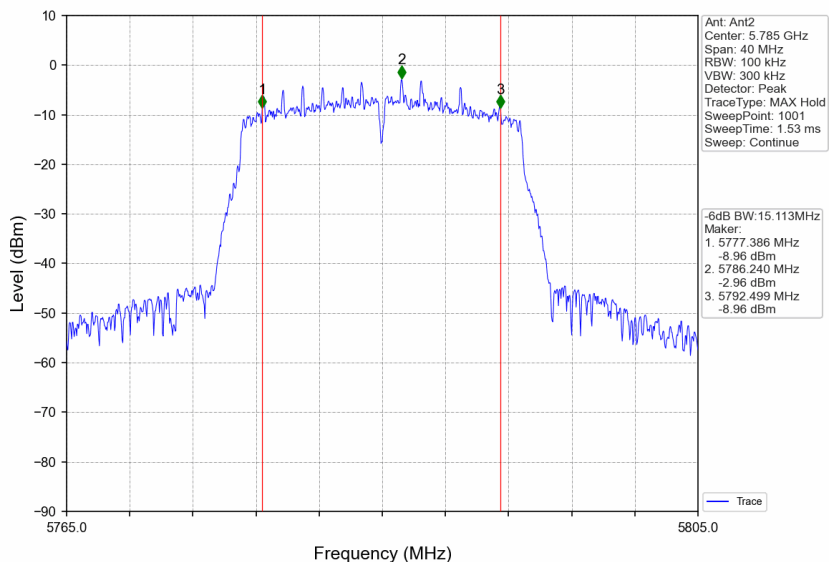
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



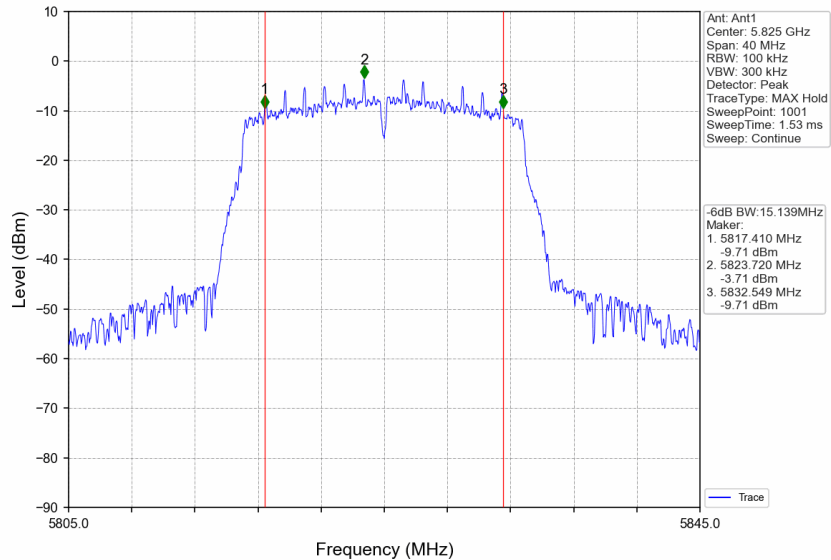
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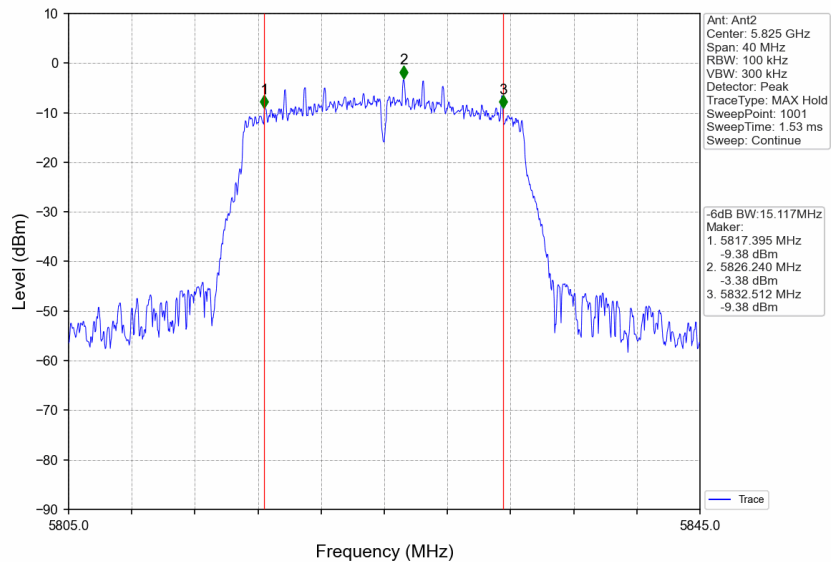
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



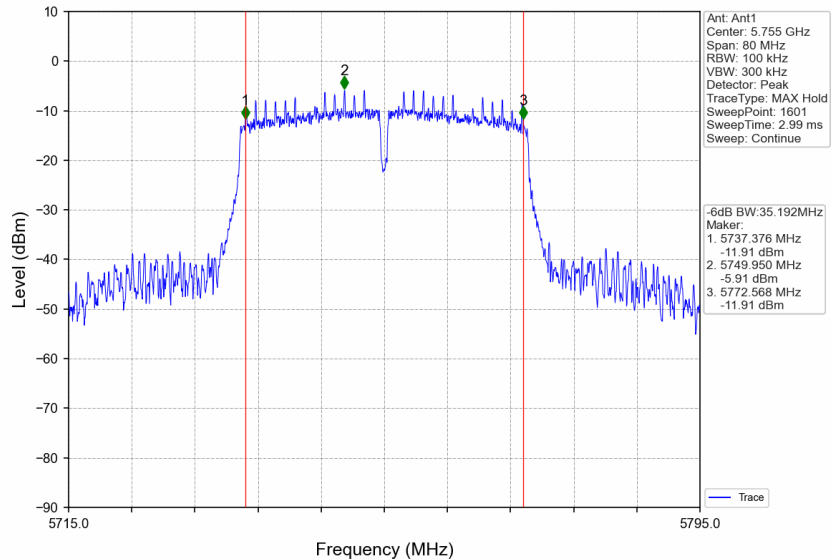
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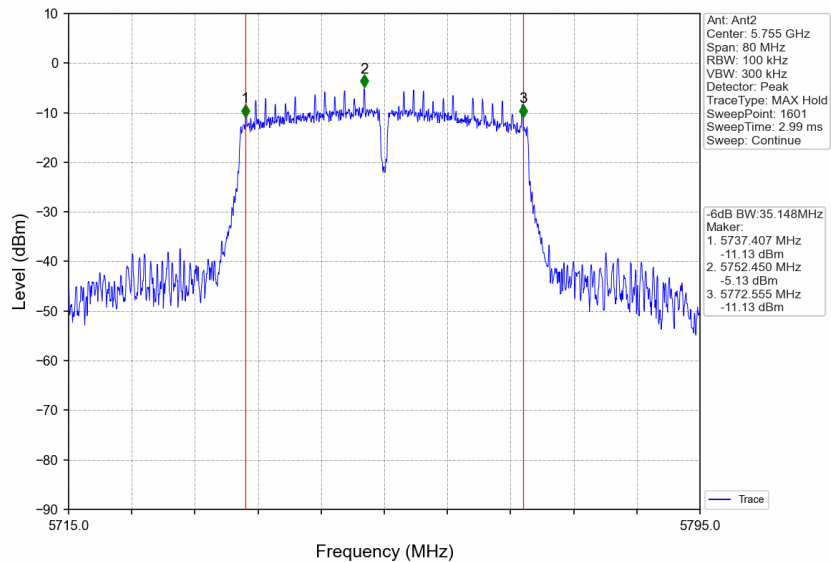
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



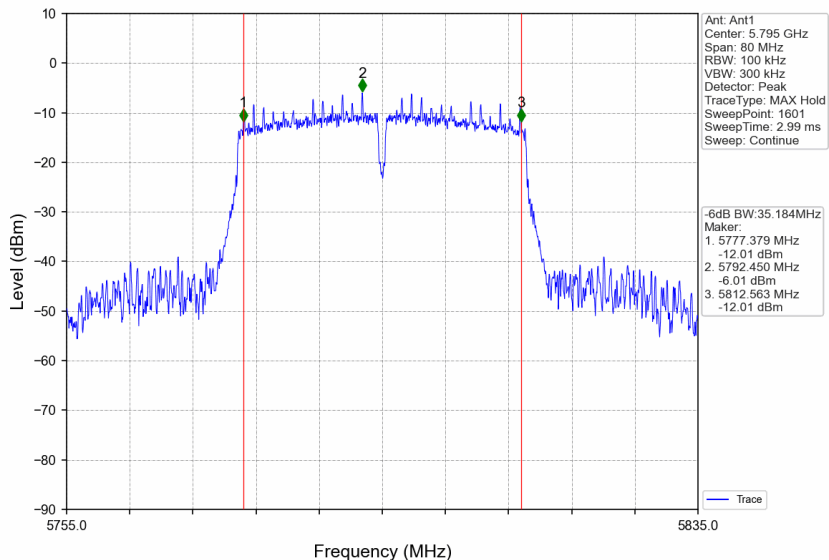
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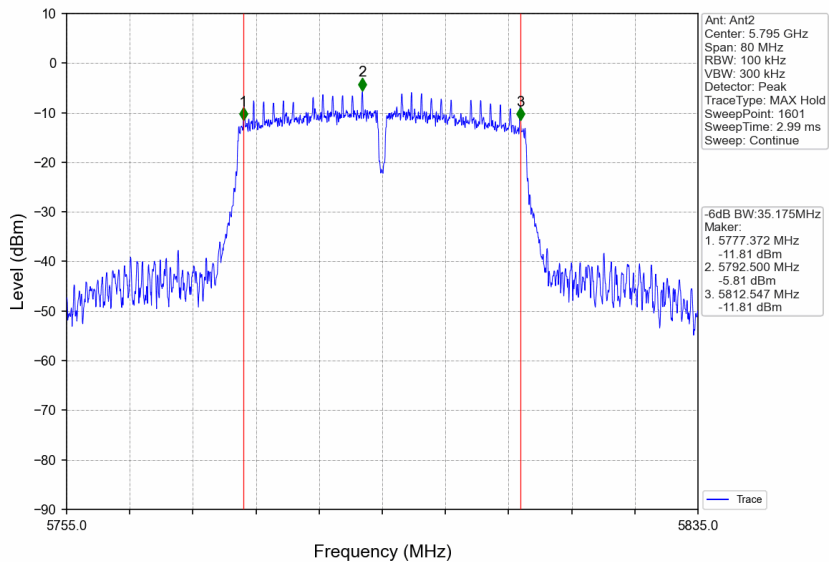
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



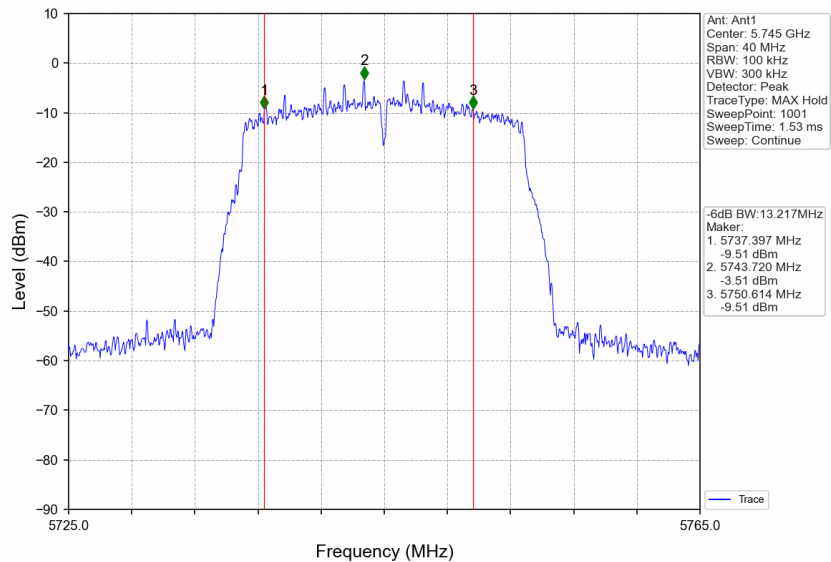
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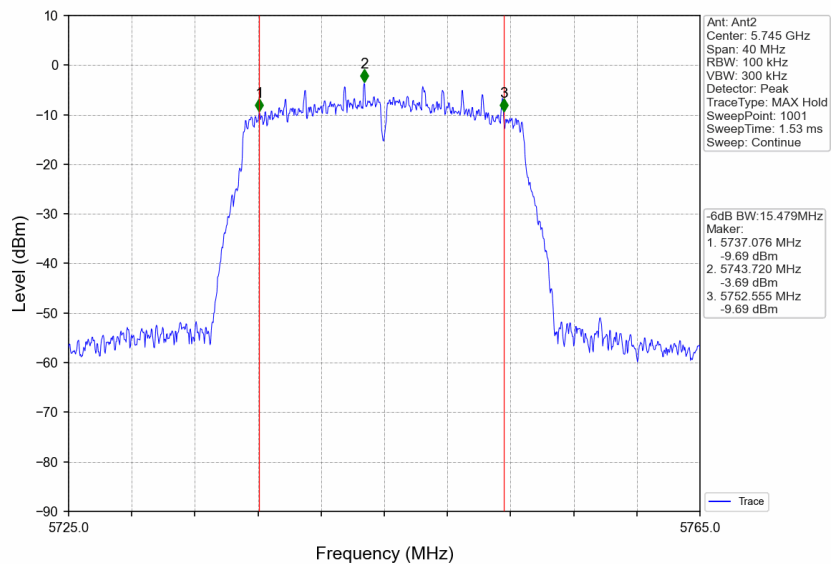
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



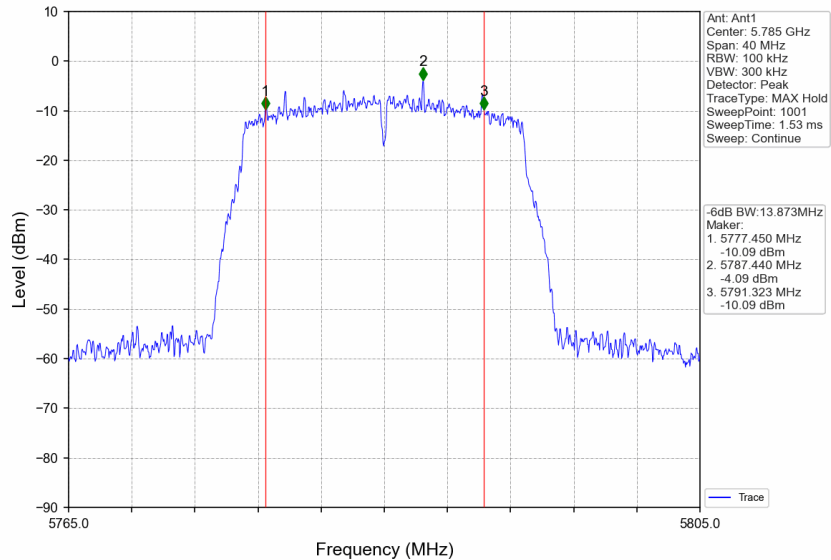
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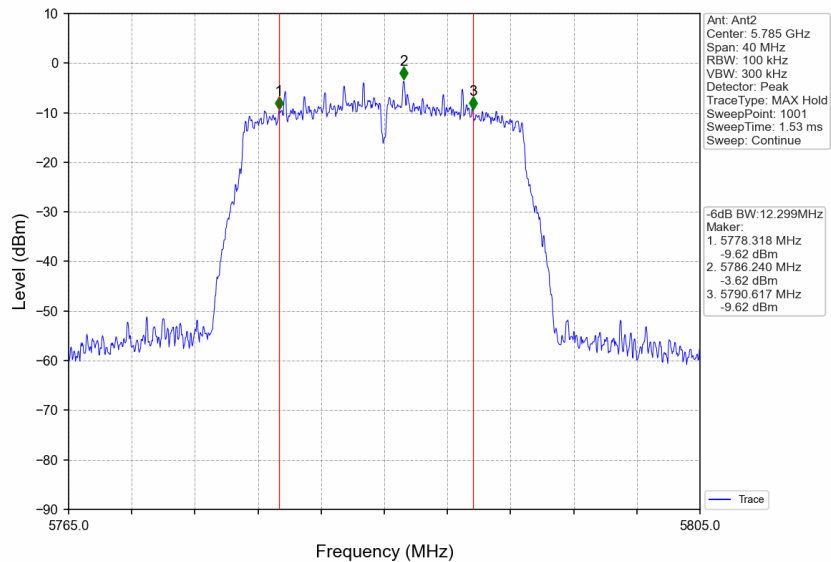
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



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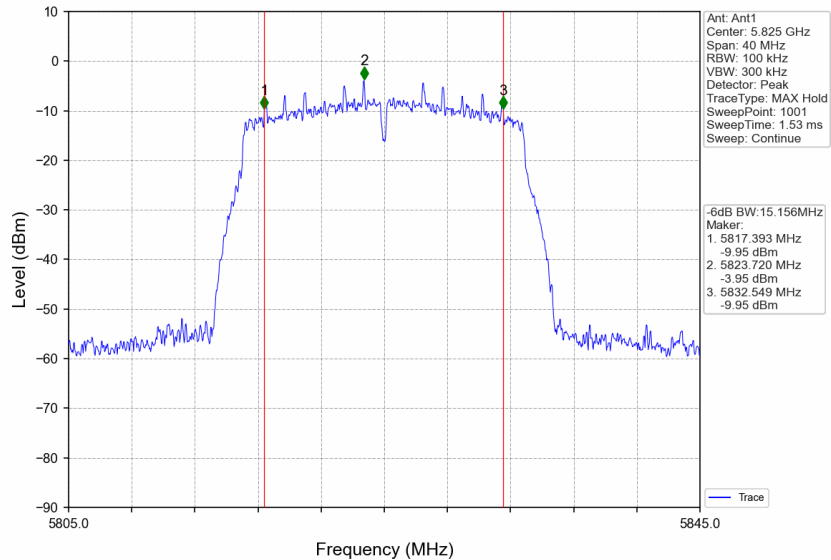
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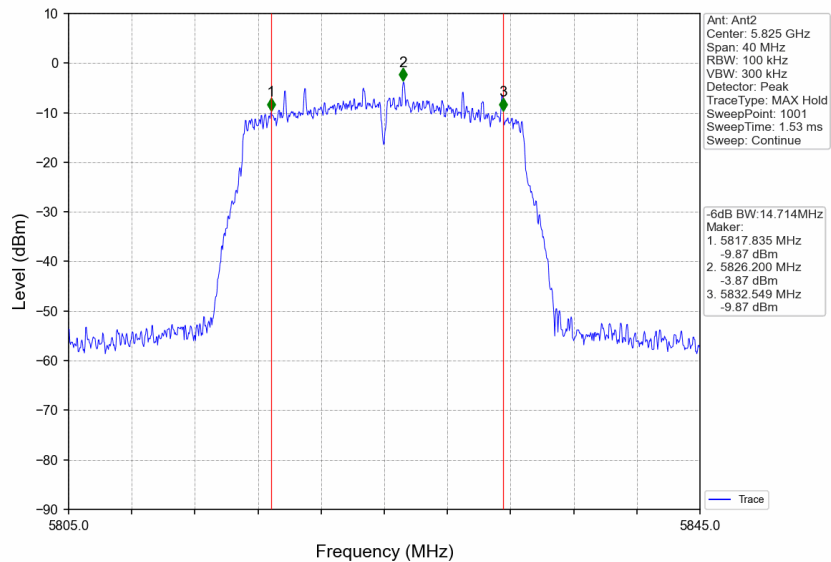
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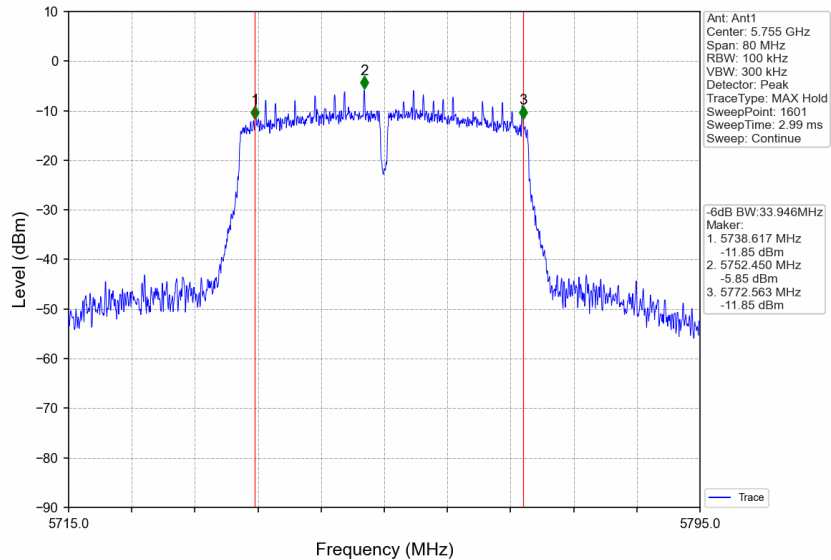
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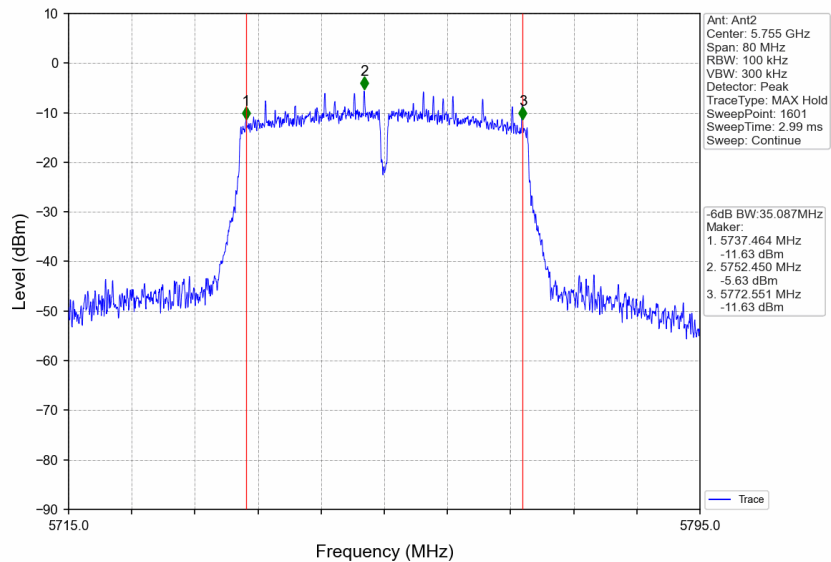
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



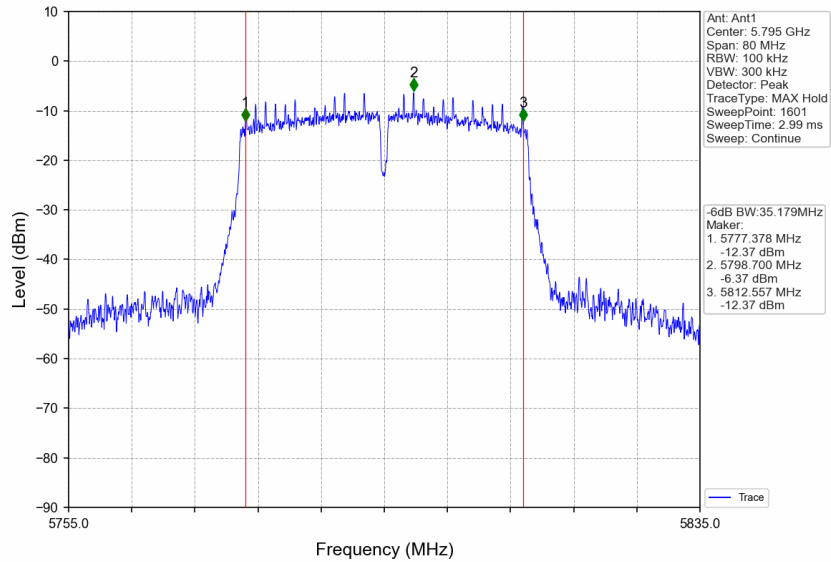
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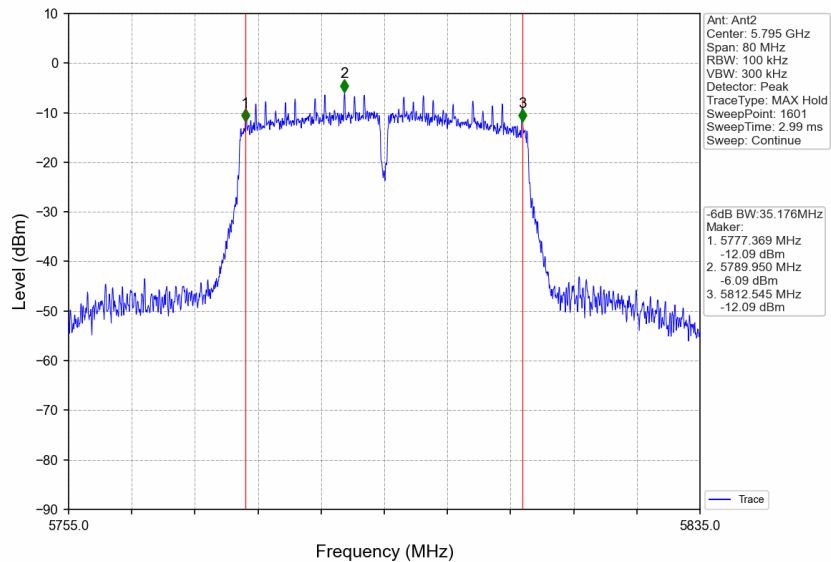
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



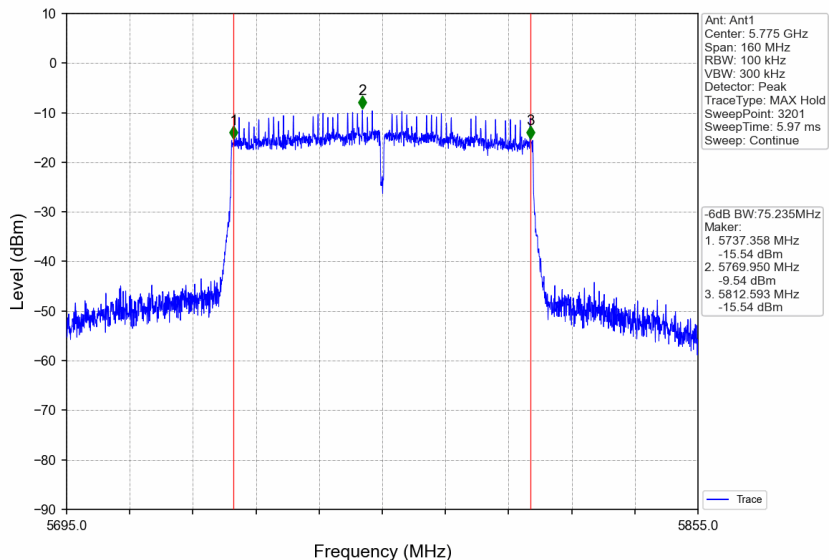
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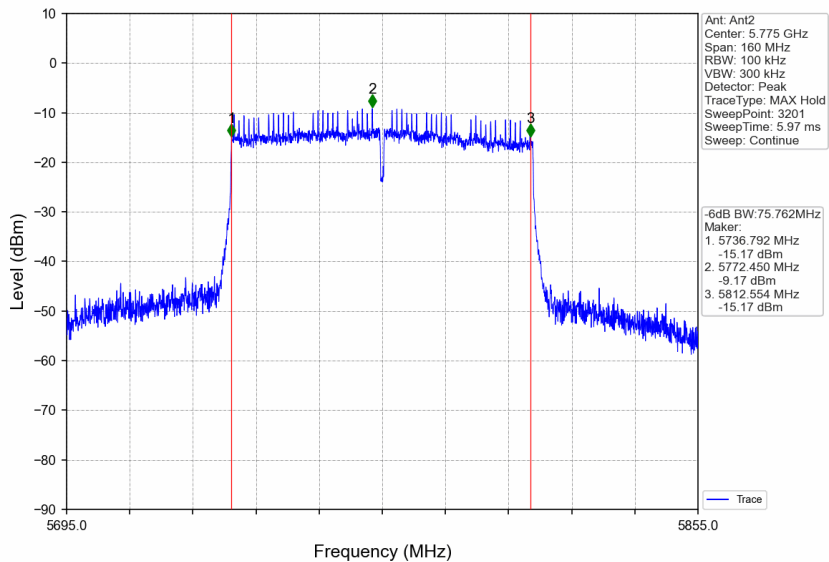
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_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	20.473	Pass
			2	20.442	Pass
		5200	1	20.434	Pass
			2	20.434	Pass
		5240	1	20.364	Pass
			2	20.446	Pass
802.11n (HT20)	MIMO	5180	1	20.826	Pass
			2	20.815	Pass
		5200	1	20.845	Pass
			2	20.638	Pass
		5240	1	20.836	Pass
			2	20.710	Pass
802.11n (HT40)	MIMO	5190	1	45.764	Pass
			2	41.423	Pass
		5230	1	45.173	Pass
			2	41.460	Pass
802.11ac (VHT20)	MIMO	5180	1	20.739	Pass
			2	20.805	Pass
		5200	1	20.816	Pass
			2	20.785	Pass
		5240	1	20.689	Pass
			2	20.812	Pass
802.11ac (VHT40)	MIMO	5190	1	41.132	Pass
			2	41.204	Pass
		5230	1	41.315	Pass
			2	41.268	Pass
802.11ac (VHT80)	MIMO	5210	1	83.111	Pass
			2	82.987	Pass



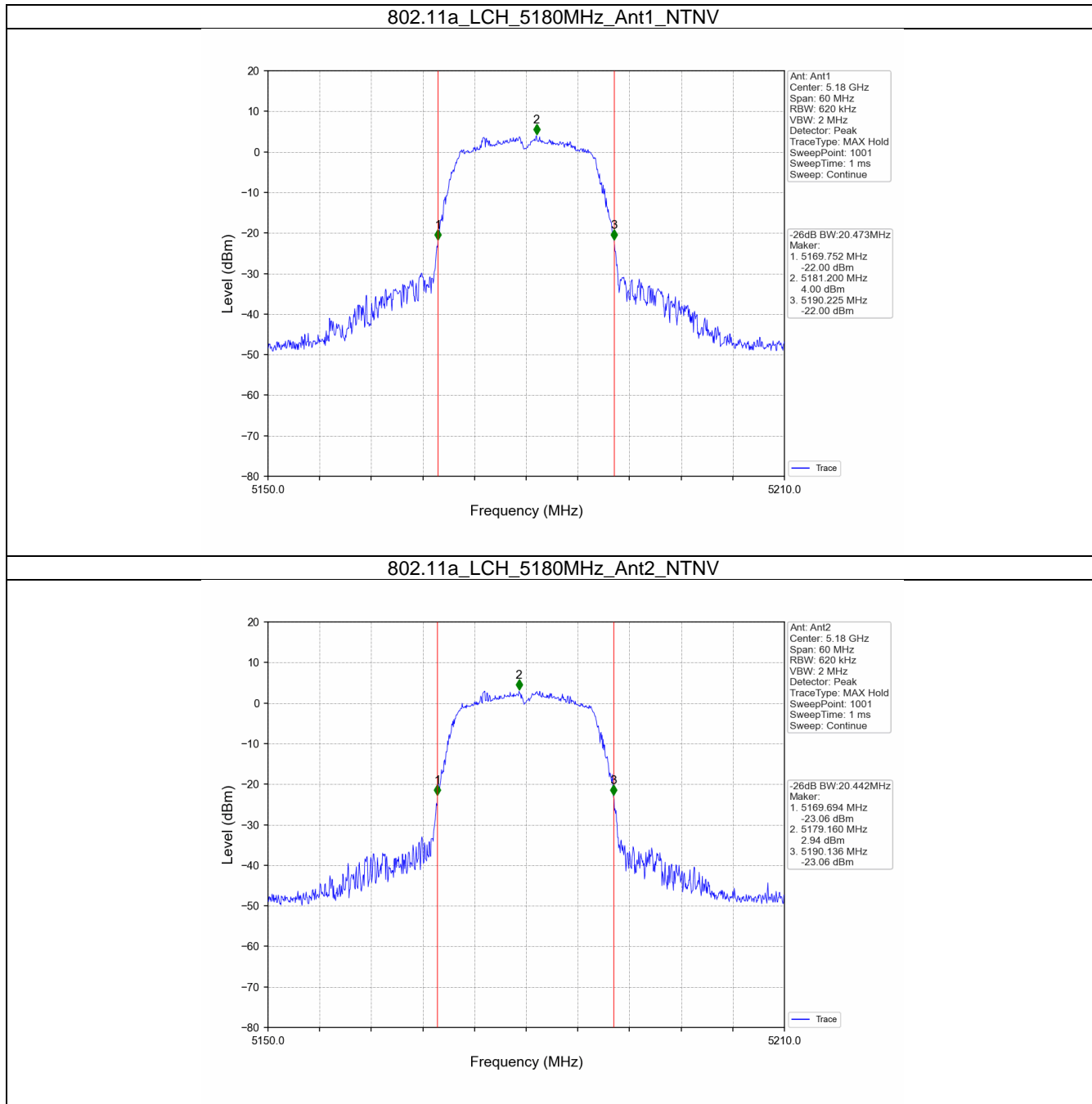
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2.3.2 Test Graph

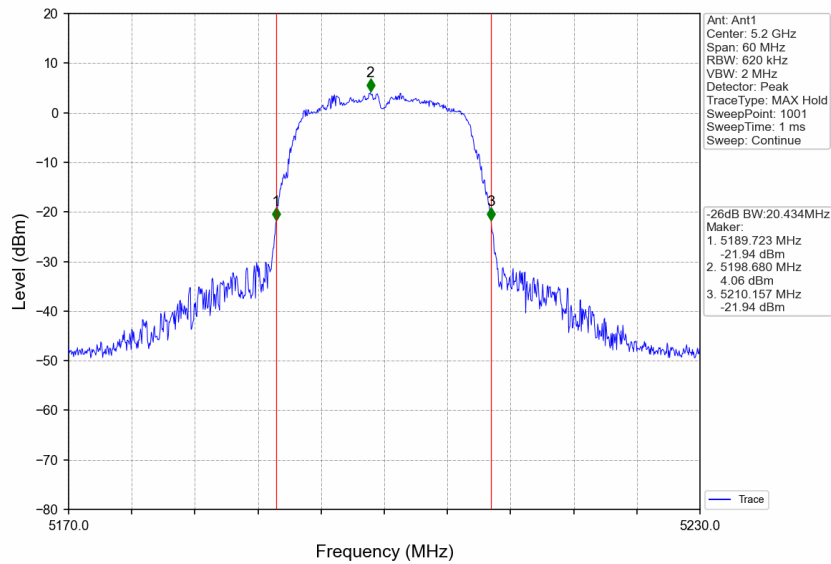


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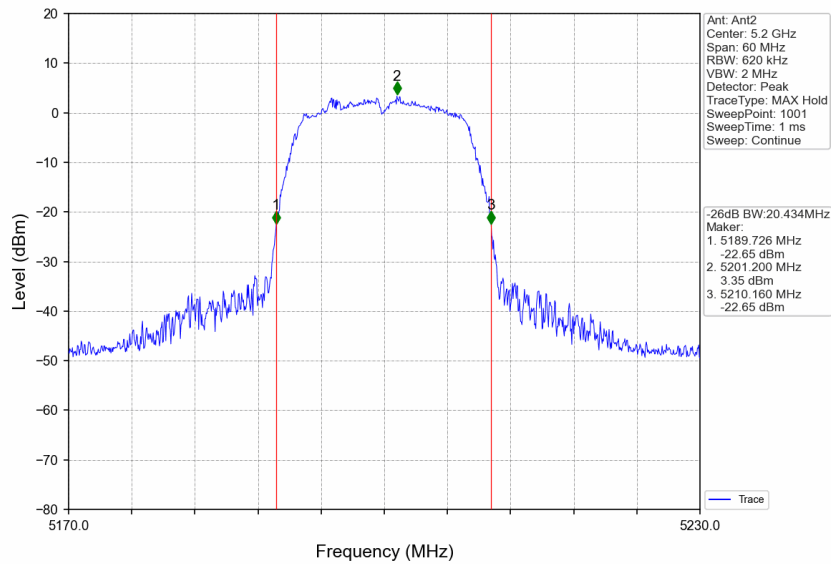
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV



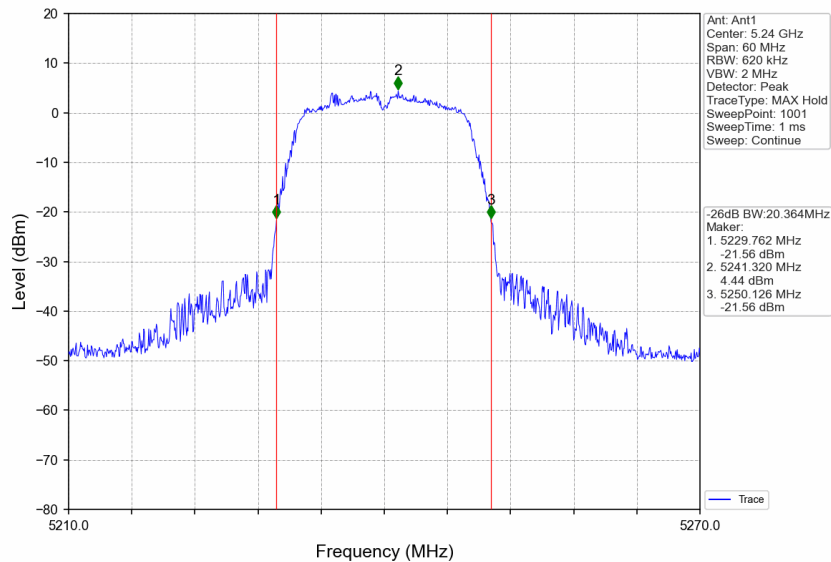
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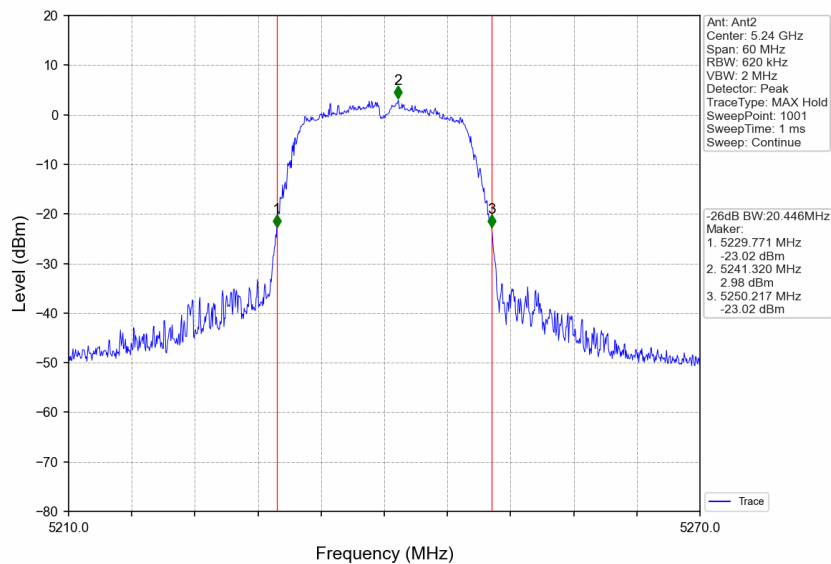
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



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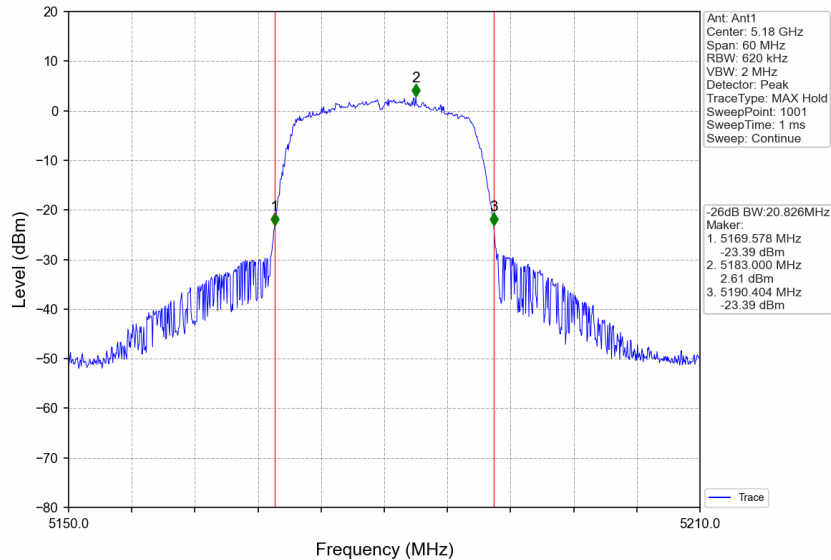
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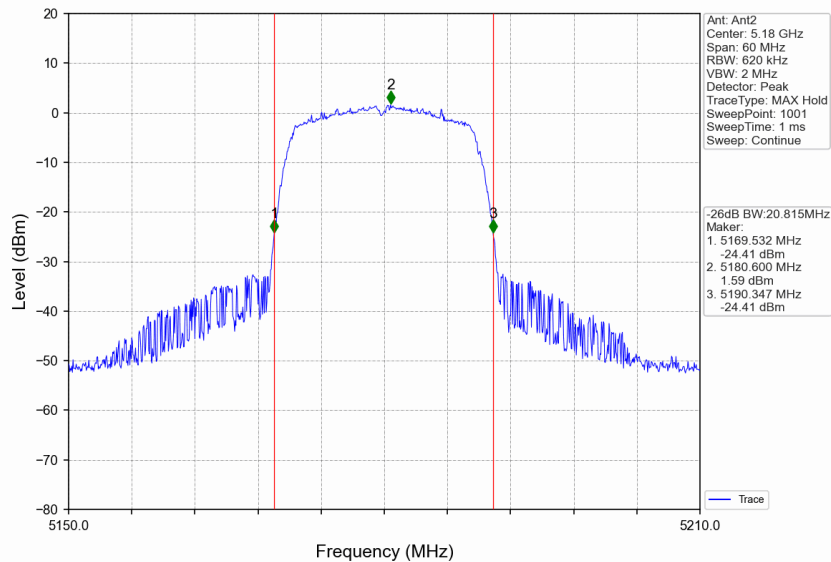
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



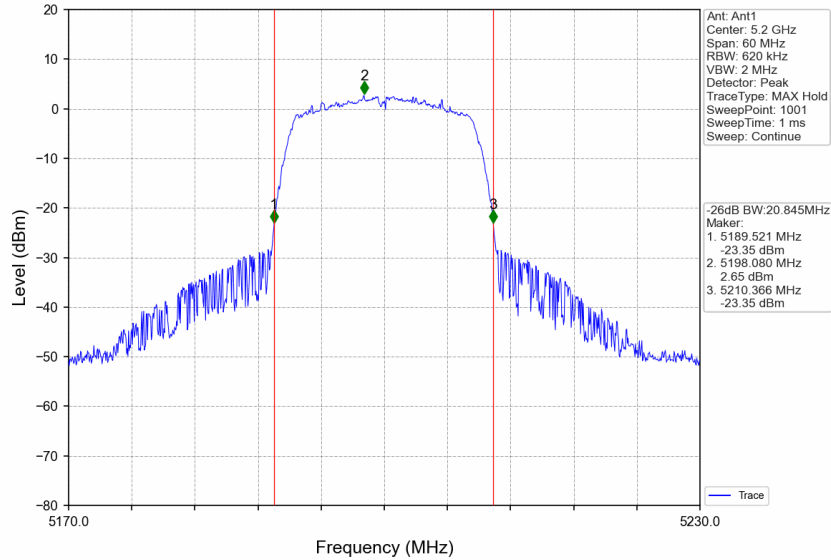
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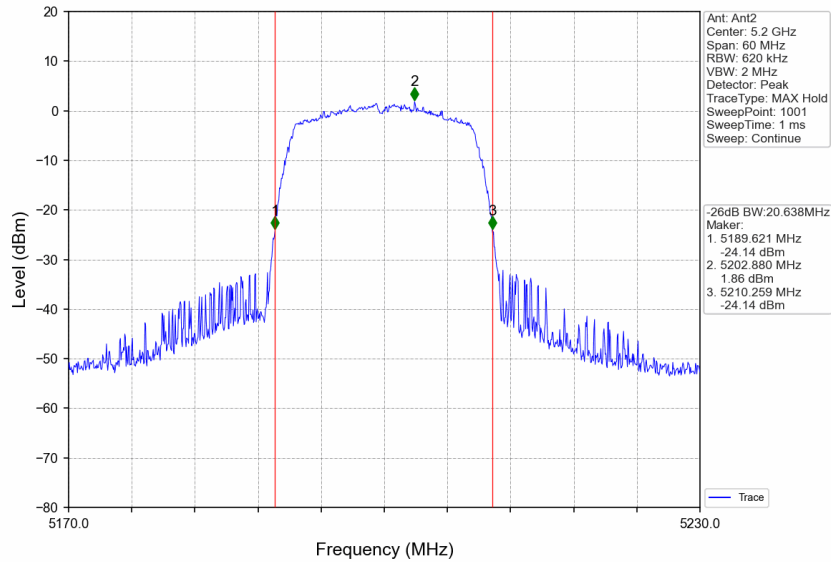
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



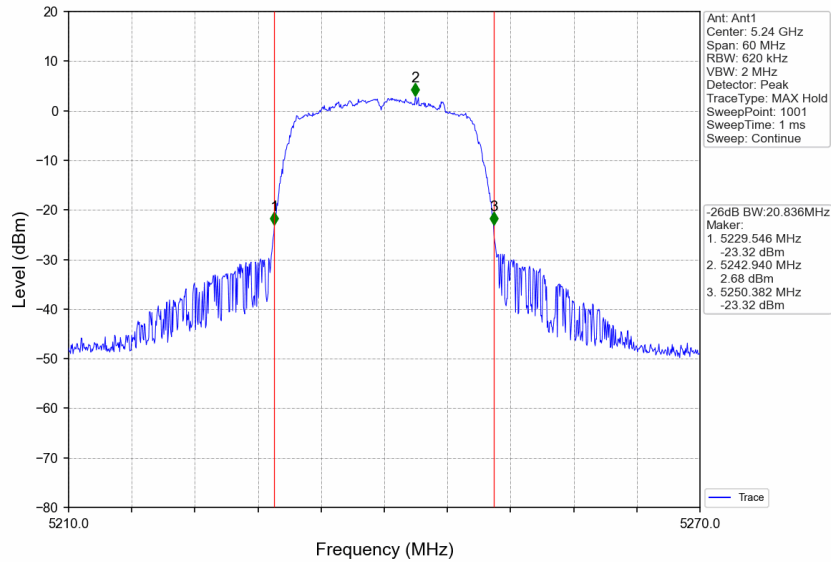
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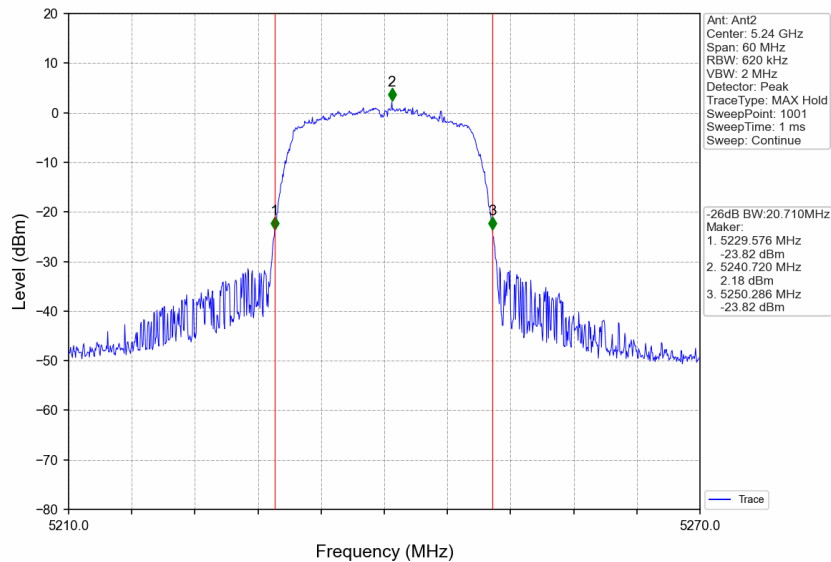
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



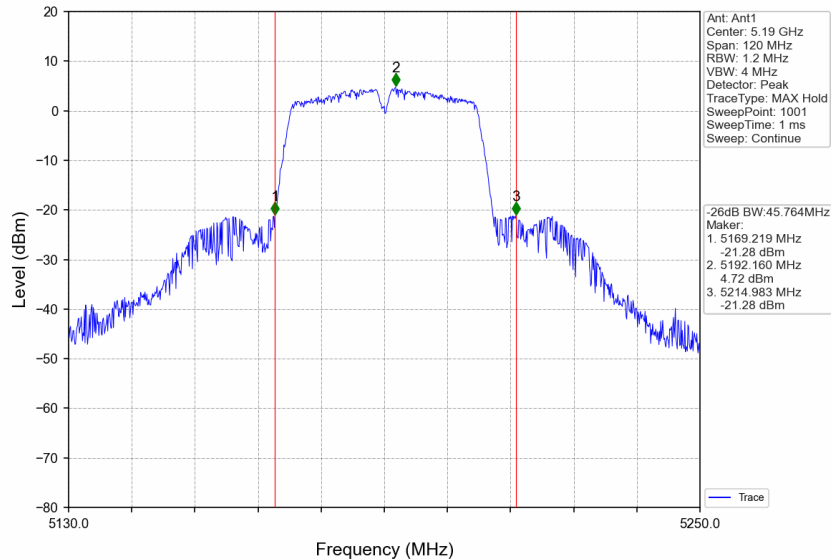
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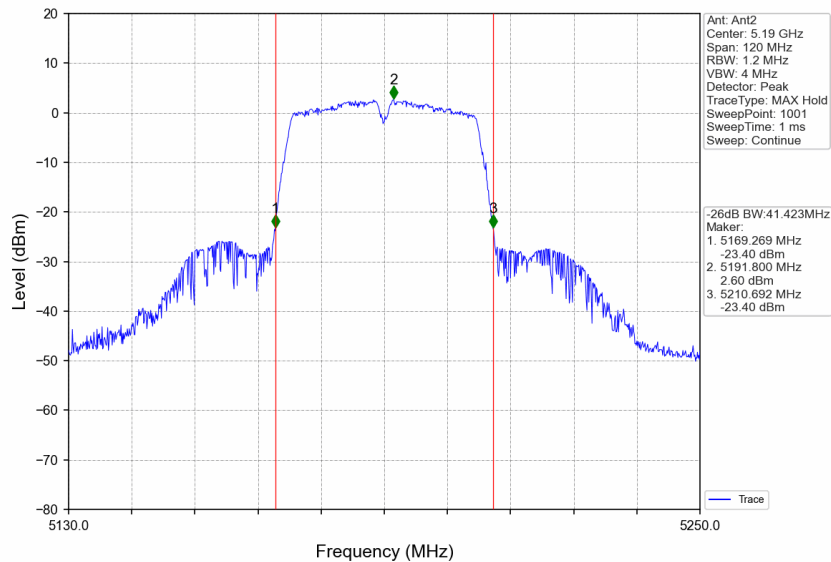
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



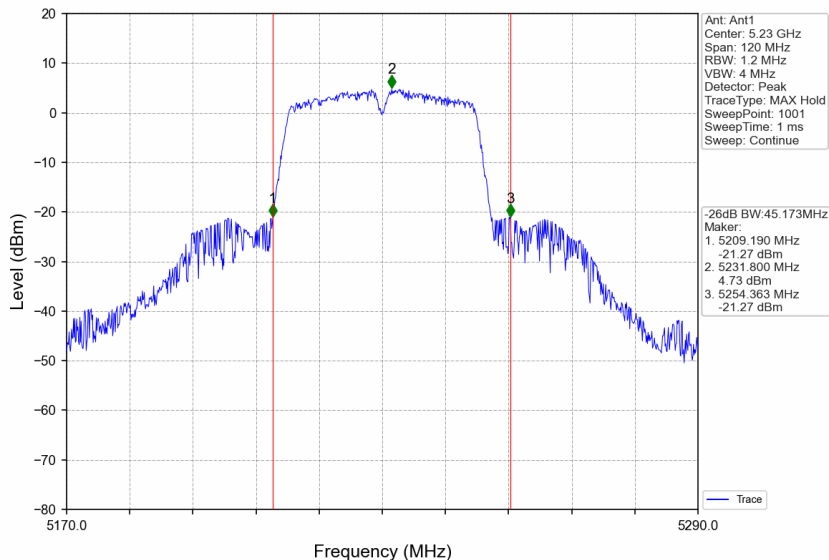
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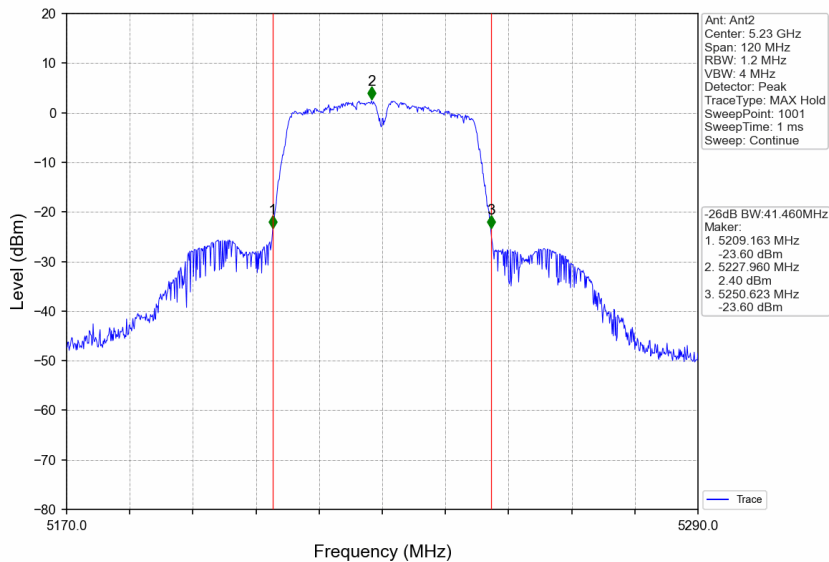
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



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



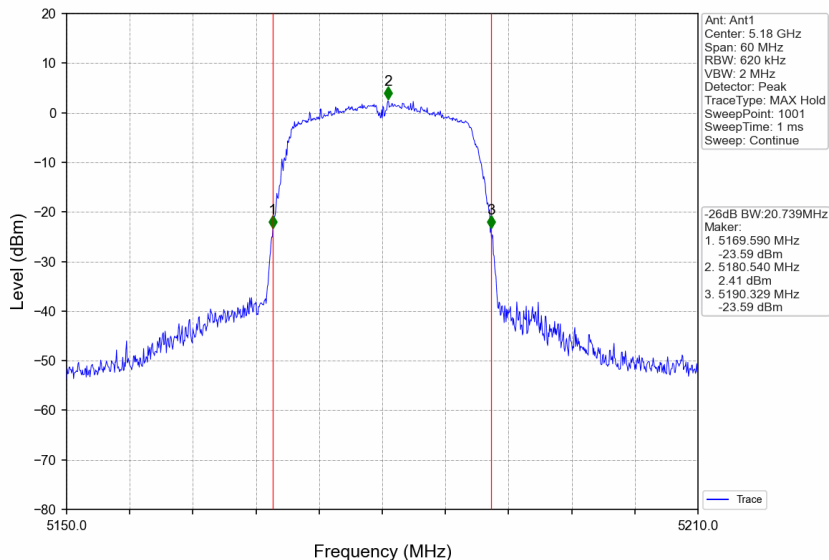
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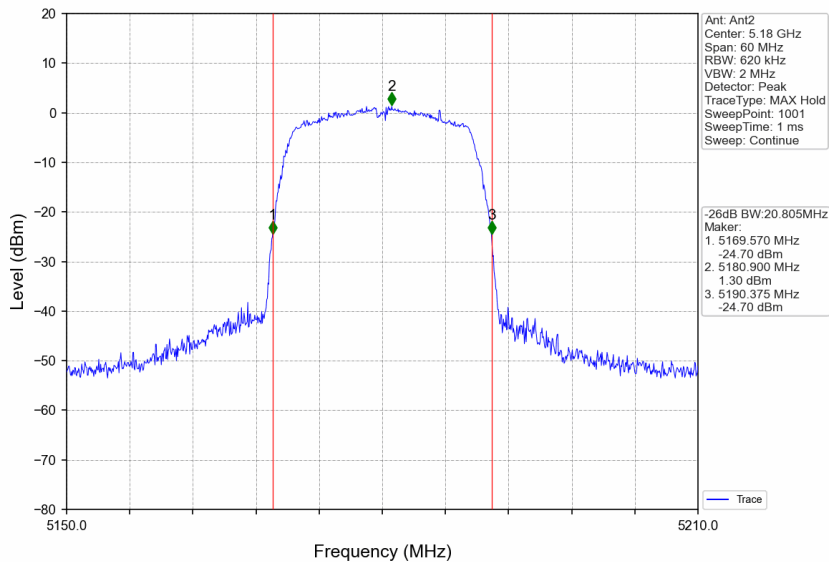
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



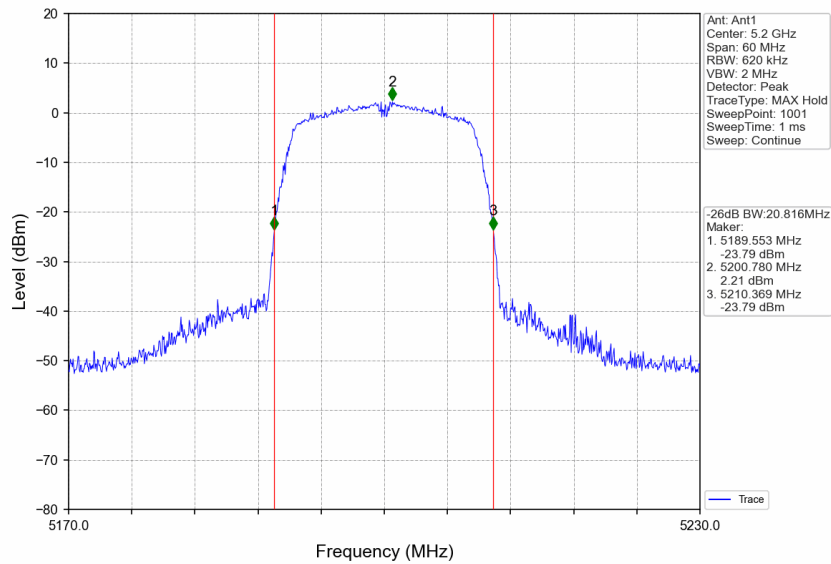
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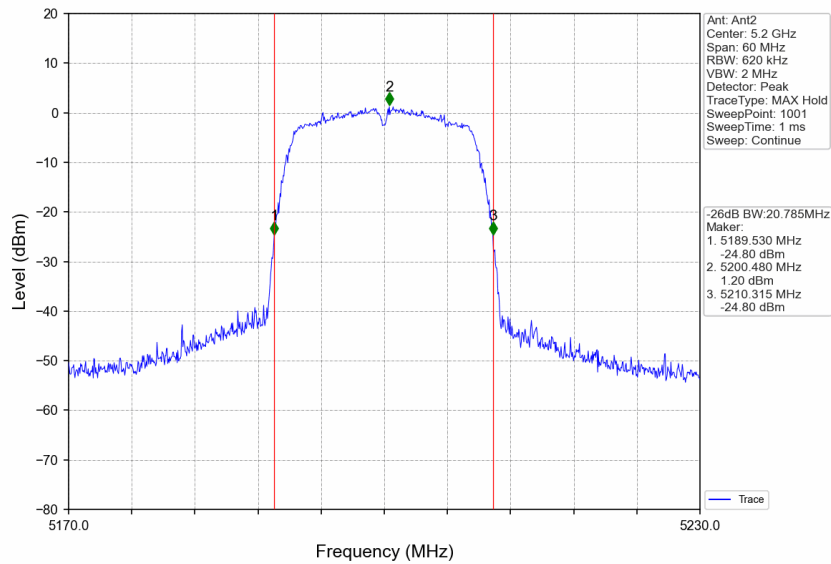
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



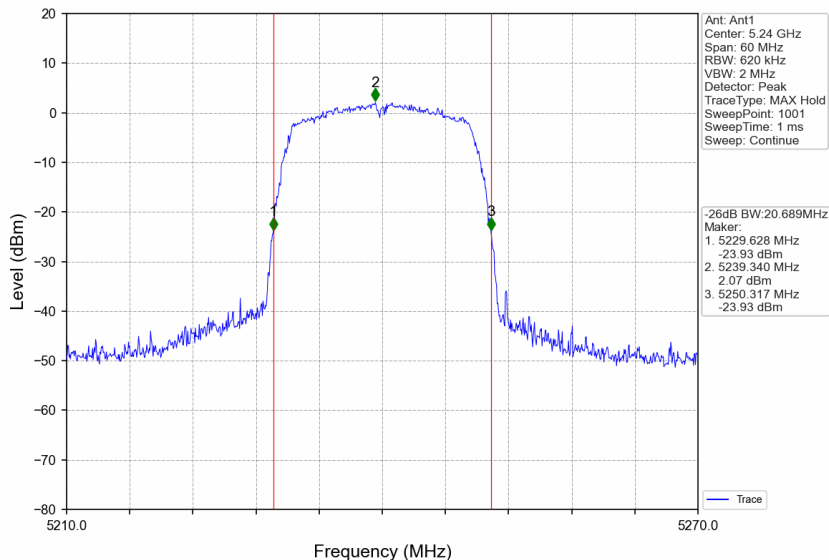
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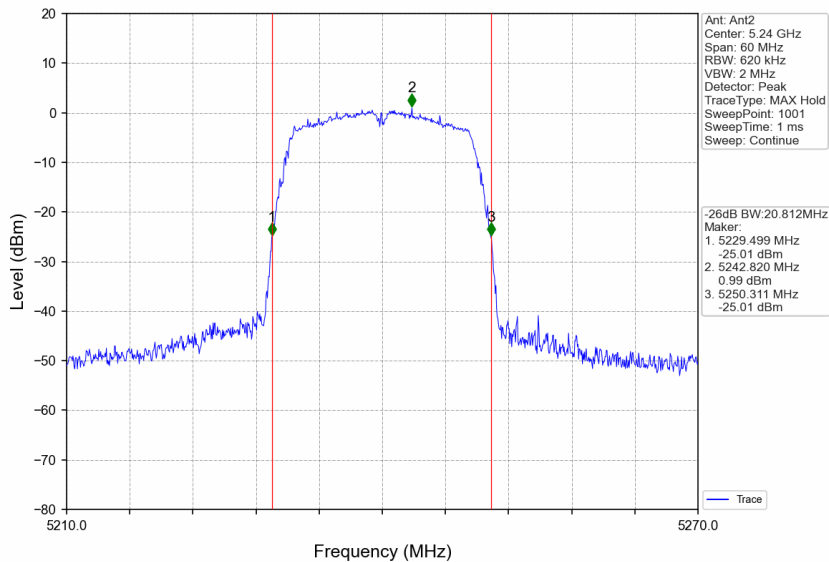
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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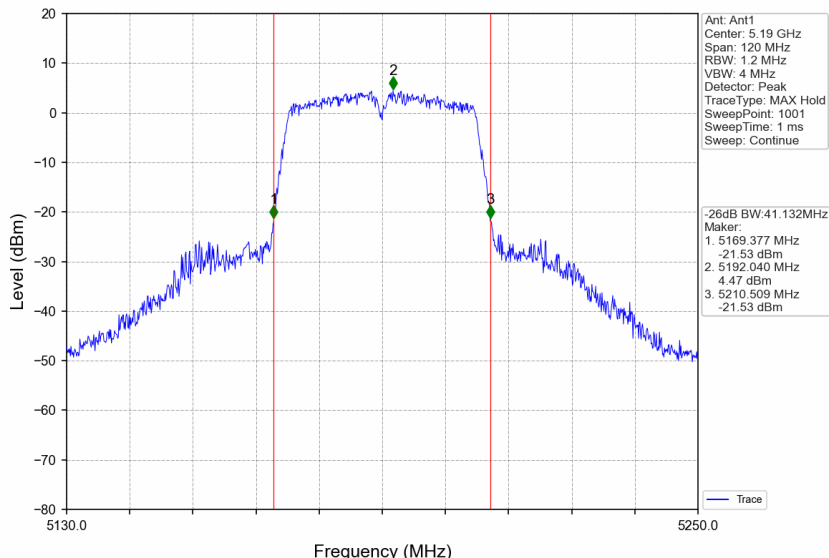
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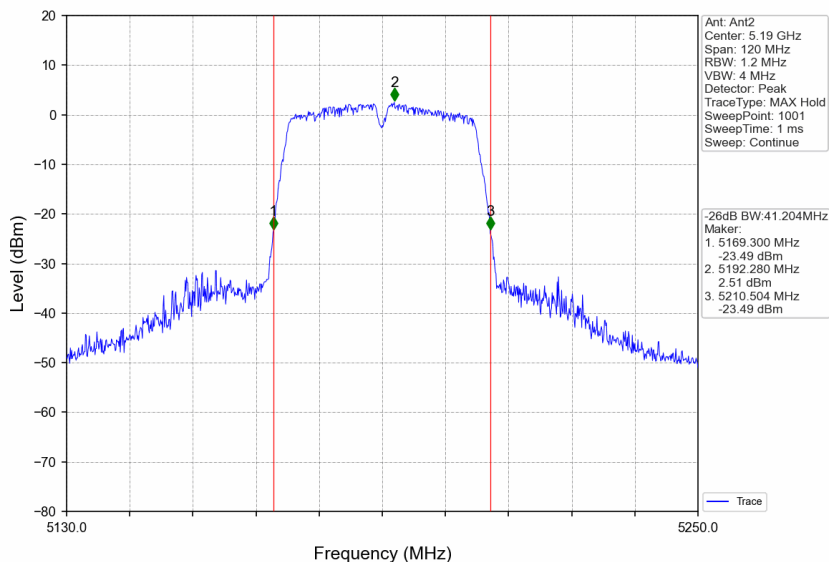
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



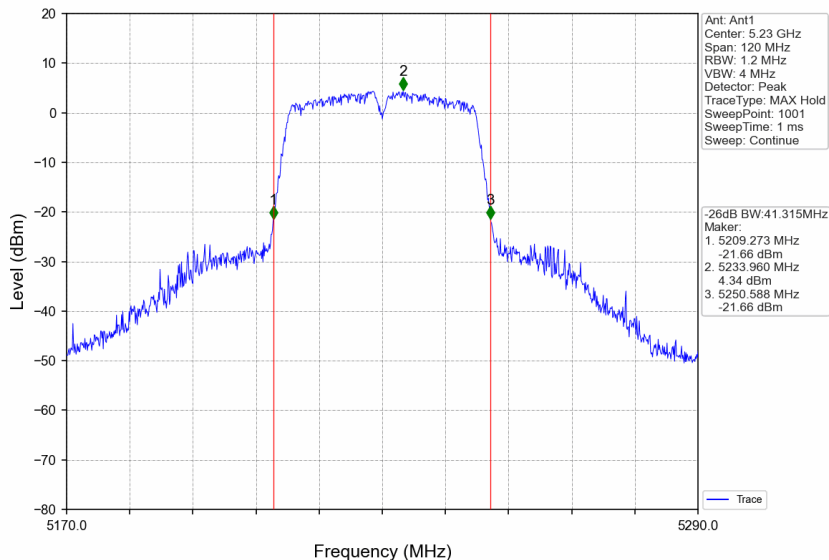
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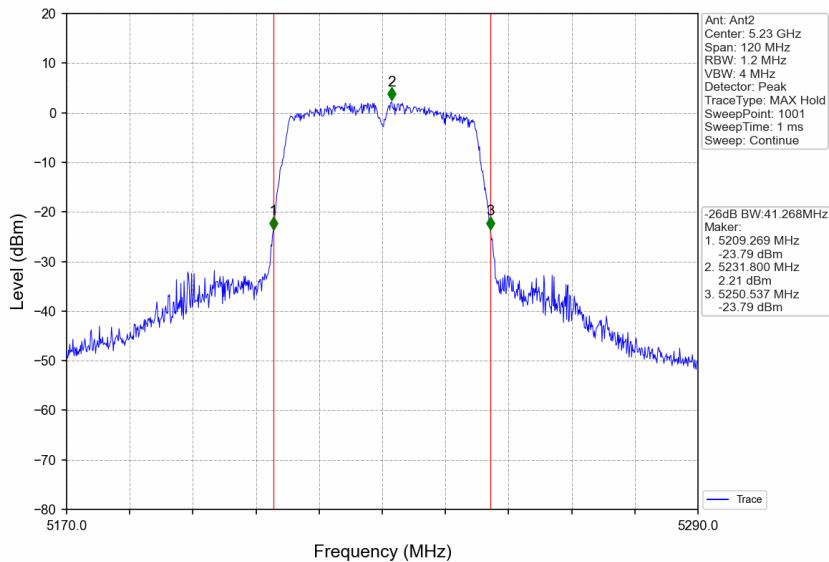
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



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



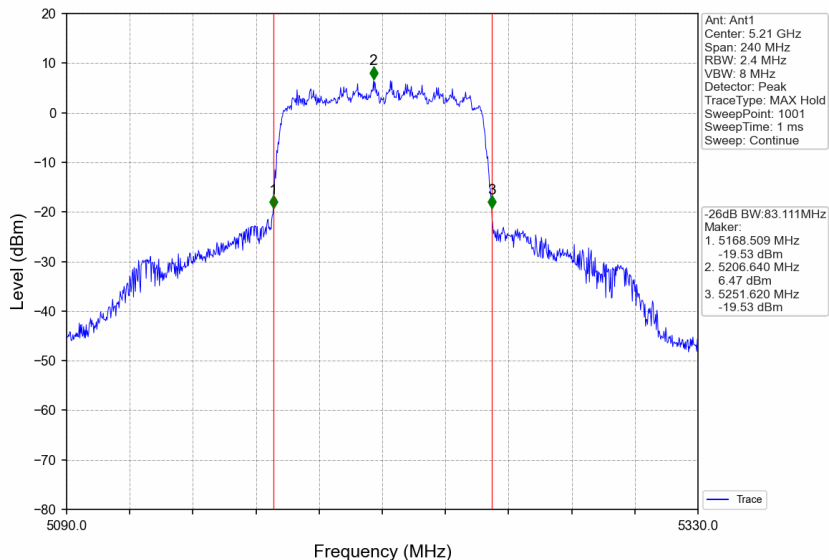
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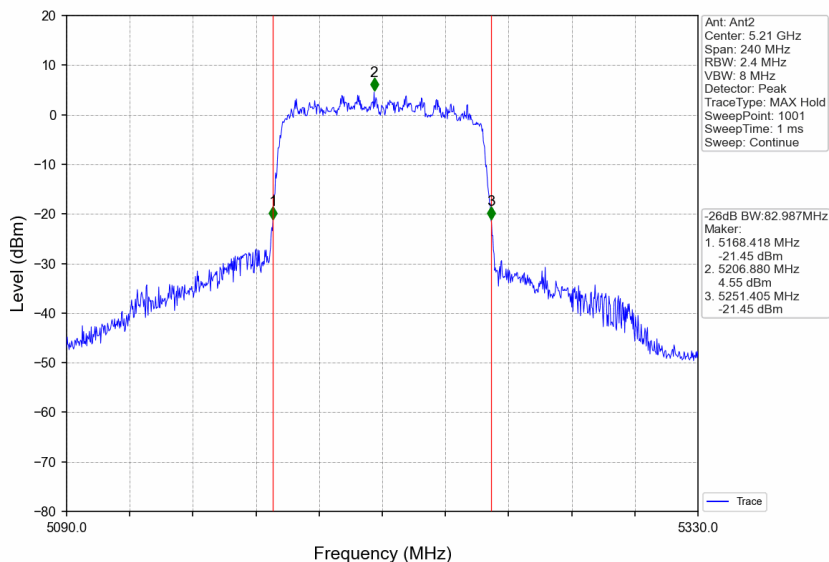
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result for FCC

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	9.27	8.59	/	<=23.98	Pass
		5200	9.35	8.52	/	<=23.98	Pass
		5240	9.53	8.10	/	<=23.98	Pass
		5745	8.57	8.98	/	<=30	Pass
		5785	7.78	8.55	/	<=30	Pass
		5825	7.72	8.05	/	<=30	Pass
802.11n (HT20)	MIMO	5180	8.26	7.42	10.87	<=23.98	Pass
		5200	8.40	7.41	10.94	<=23.98	Pass
		5240	8.47	6.98	10.80	<=23.98	Pass
		5745	7.33	7.86	10.61	<=30	Pass
		5785	6.96	7.29	10.14	<=30	Pass
		5825	6.60	6.92	9.77	<=30	Pass
802.11n (HT40)	MIMO	5190	9.28	7.11	11.34	<=23.98	Pass
		5230	9.34	6.93	11.31	<=23.98	Pass
		5755	7.64	8.06	10.87	<=30	Pass
		5795	7.07	7.54	10.32	<=30	Pass
802.11ac (VHT20)	MIMO	5180	7.85	7.20	10.55	<=23.98	Pass
		5200	8.09	7.05	10.61	<=23.98	Pass
		5240	8.12	6.72	10.49	<=23.98	Pass
		5745	6.97	7.44	10.22	<=30	Pass
		5785	6.59	6.85	9.73	<=30	Pass
		5825	6.34	6.76	9.57	<=30	Pass
802.11ac (VHT40)	MIMO	5190	9.00	7.04	11.14	<=23.98	Pass
		5230	9.11	6.84	11.13	<=23.98	Pass
		5755	7.48	7.96	10.74	<=30	Pass
		5795	6.94	7.31	10.14	<=30	Pass
802.11ac (VHT80)	MIMO	5210	8.94	7.01	11.09	<=23.98	Pass
		5775	7.20	7.58	10.40	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;

Note2: Directional Gain: 4.62dBi

##### 3.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	Conducted Output Power (dBm)			E.I.R.P (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	MIMO	Ant1	Ant2	MIMO	Ant1	
802.11a	SISO	5180	9.27	8.59	/	11.57	9.37	/	<=23.01	Pass
		5200	9.35	8.52	/	11.65	9.30	/	<=23.01	Pass
		5240	9.53	8.10	/	11.83	8.88	/	<=23.01	Pass



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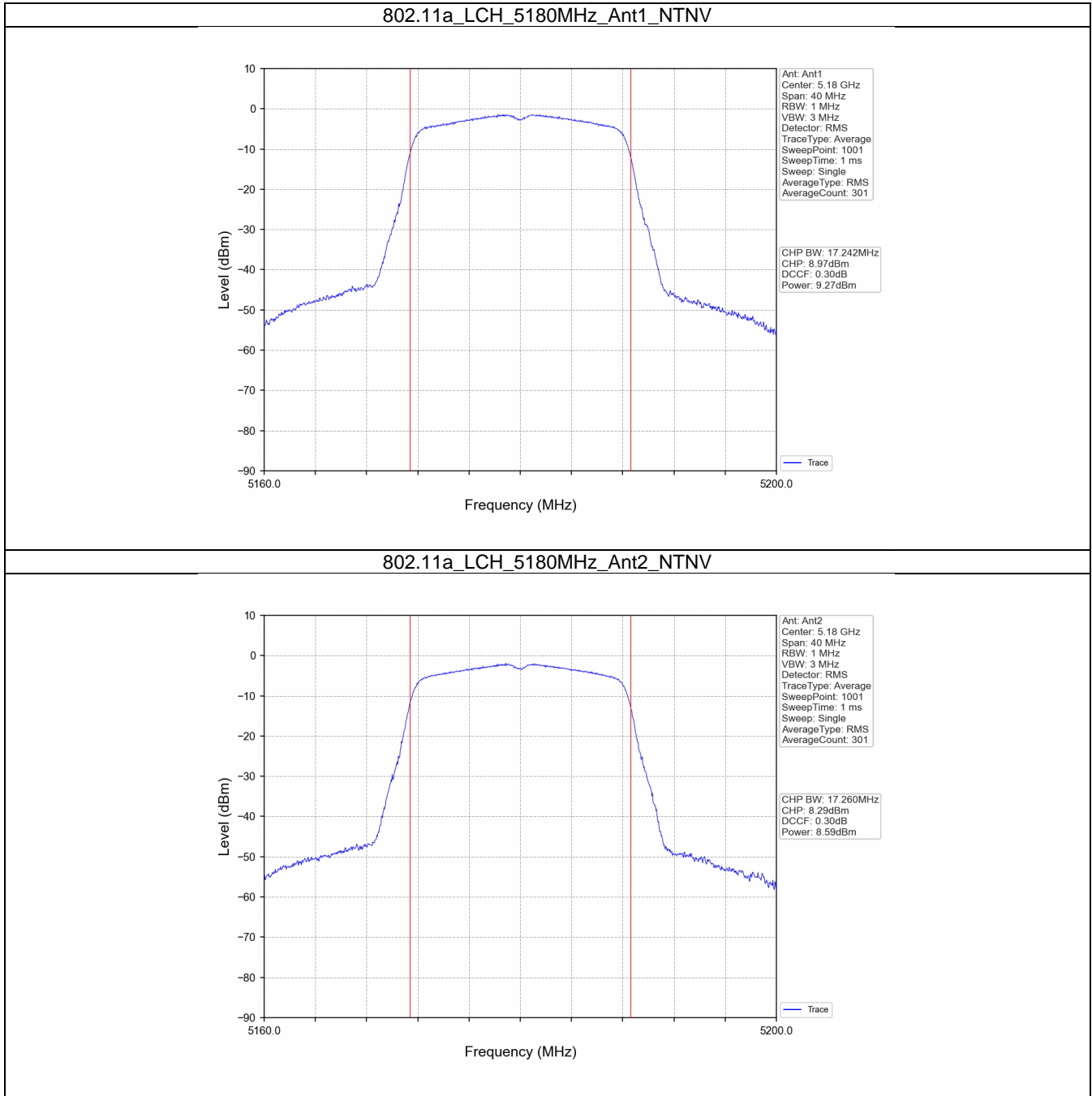
		5745	8.57	8.98	/	/	/	/	<=30	Pass
		5785	7.78	8.55	/	/	/	/	<=30	Pass
		5825	7.72	8.05	/	/	/	/	<=30	Pass
802.11n (HT20)	MIMO	5180	8.26	7.42	10.87	10.56	8.20	12.55	<=23.01	Pass
		5200	8.40	7.41	10.94	10.70	8.19	12.63	<=23.01	Pass
		5240	8.47	6.98	10.80	10.77	7.76	12.53	<=23.01	Pass
		5745	7.33	7.86	/	/	/	/	<=30	Pass
		5785	6.96	7.29	/	/	/	/	<=30	Pass
		5825	6.60	6.92	/	/	/	/	<=30	Pass
		5190	9.28	7.11	11.34	11.58	7.89	13.13	<=23.01	Pass
802.11n (HT40)	MIMO	5230	9.34	6.93	11.31	11.64	7.71	13.12	<=23.01	Pass
		5755	7.64	8.06	/	/	/	/	<=30	Pass
		5795	7.07	7.54	/	/	/	/	<=30	Pass
		5180	7.85	7.20	10.55	10.15	7.98	12.21	<=23.01	Pass
802.11ac (VHT20)	MIMO	5200	8.09	7.05	10.61	10.39	7.83	12.31	<=23.01	Pass
		5240	8.12	6.72	10.49	10.42	7.50	12.21	<=23.01	Pass
		5745	6.97	7.44	/	/	/	/	<=30	Pass
		5785	6.59	6.85	/	/	/	/	<=30	Pass
		5825	6.34	6.76	/	/	/	/	<=30	Pass
		5190	9.00	7.04	11.14	11.30	7.82	12.91	<=23.01	Pass
802.11ac (VHT40)	MIMO	5230	9.11	6.84	11.13	11.41	7.62	12.93	<=23.01	Pass
		5755	7.48	7.96	/	/	/	/	<=30	Pass
		5795	6.94	7.31	/	/	/	/	<=30	Pass
		5210	8.94	7.01	11.09	11.24	7.79	12.86	<=23.01	Pass
802.11ac (VHT80)	MIMO	5775	7.20	7.58	/	/	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;  
 Note2: E.I.R.P = Measured Power + Antenna Gain  
 Note3: Directional Gain: 4.62dBi



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3.1.3 Test Graph



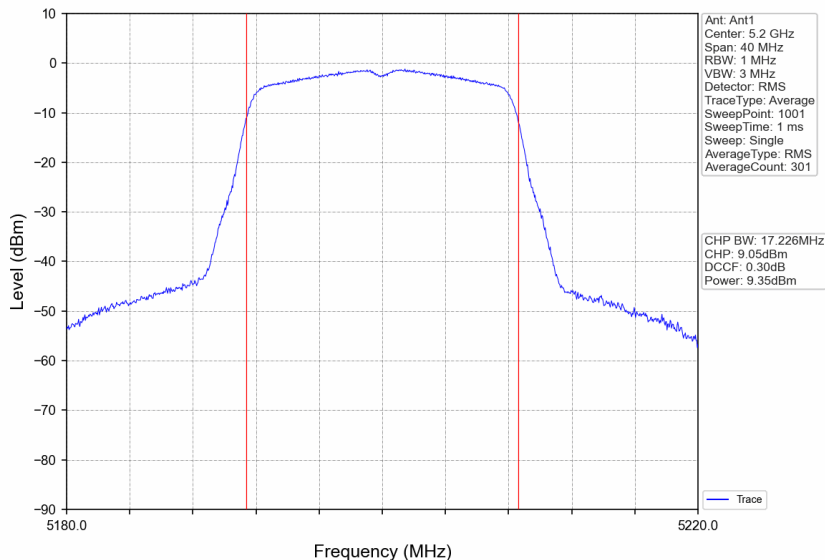
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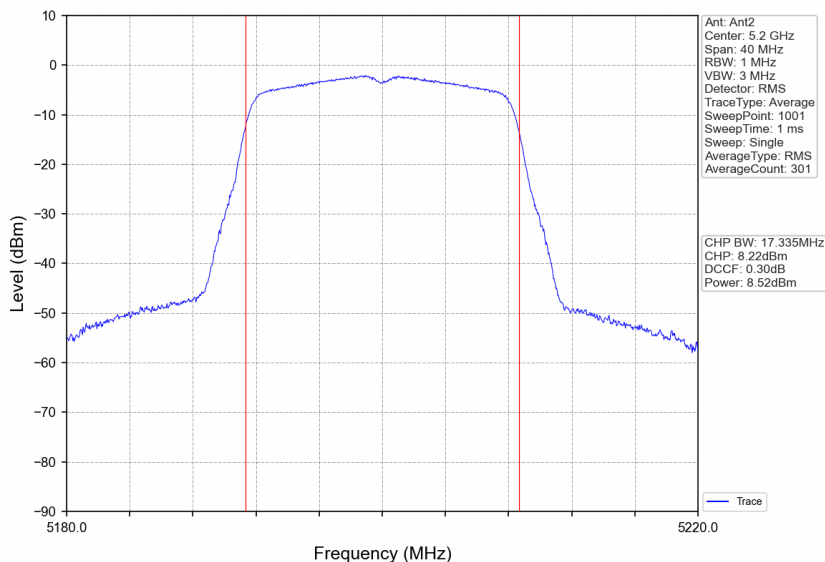
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802.11a\_MCH\_5200MHz\_Ant2\_NTNV



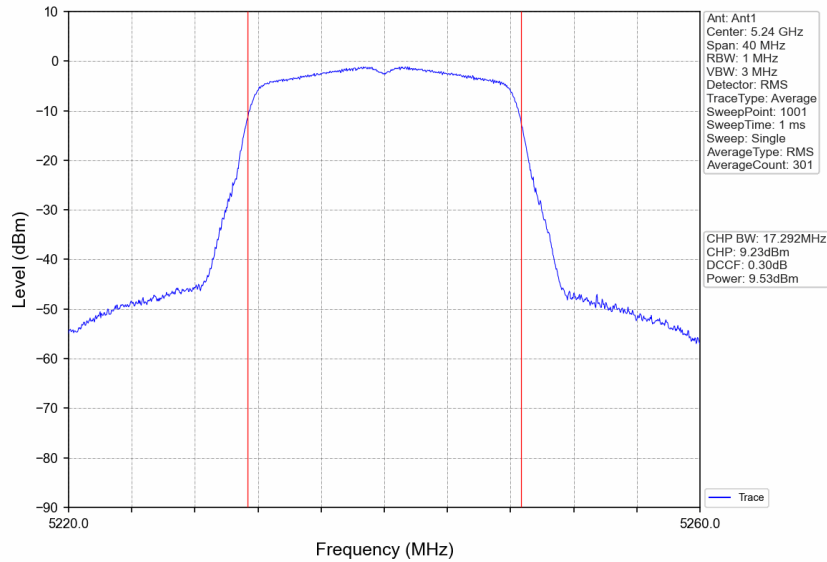
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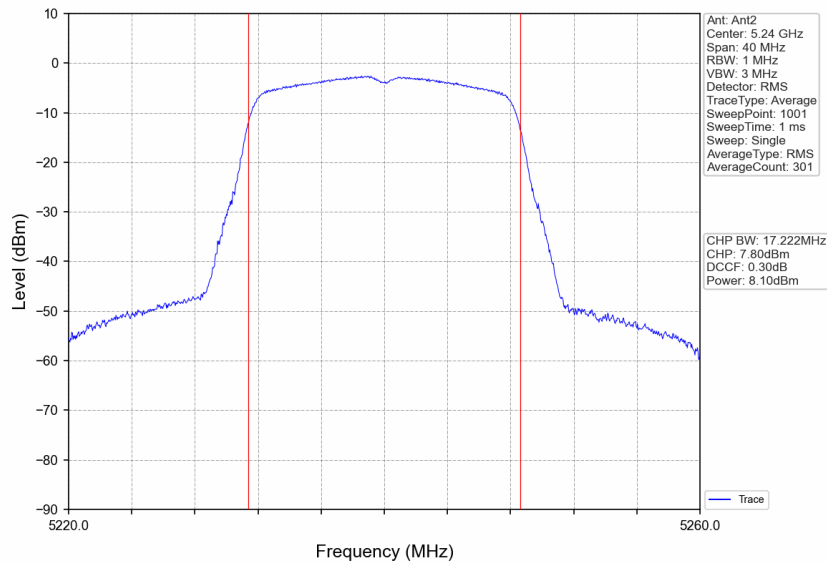
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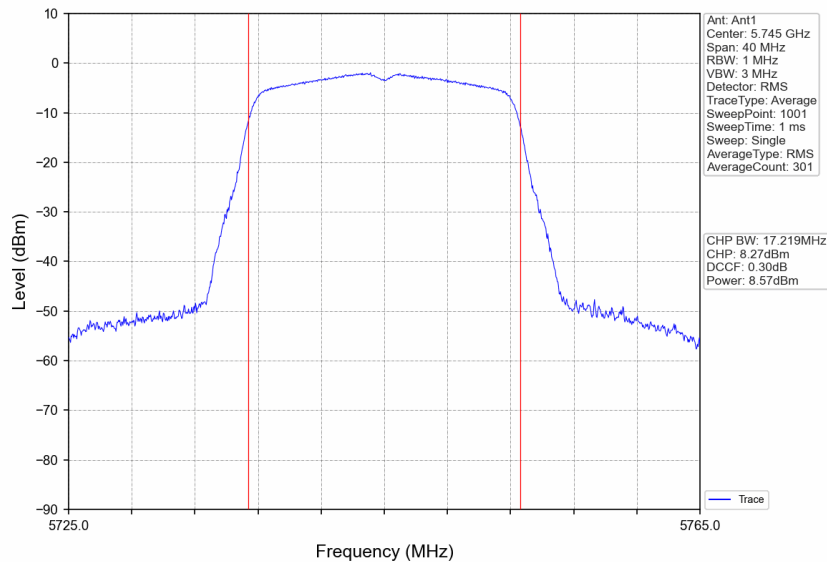
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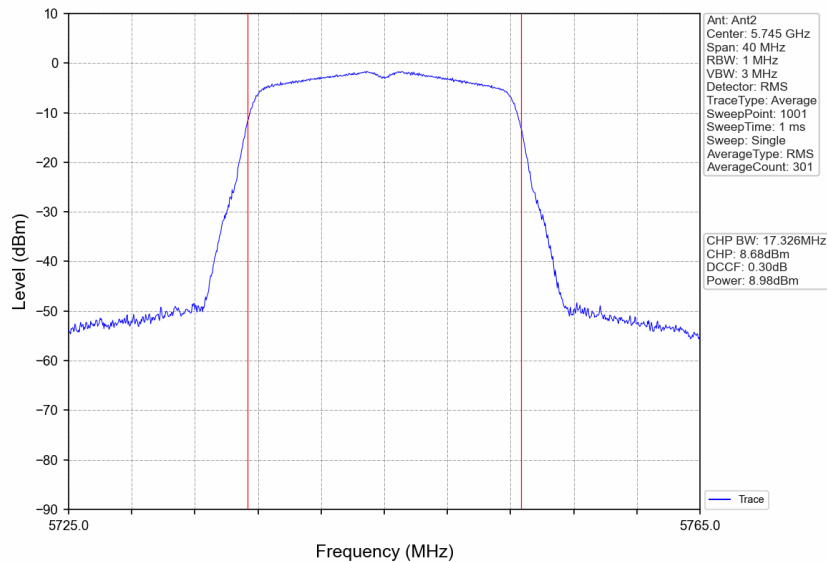
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802.11a\_LCH\_5745MHz\_Ant2\_NTNV



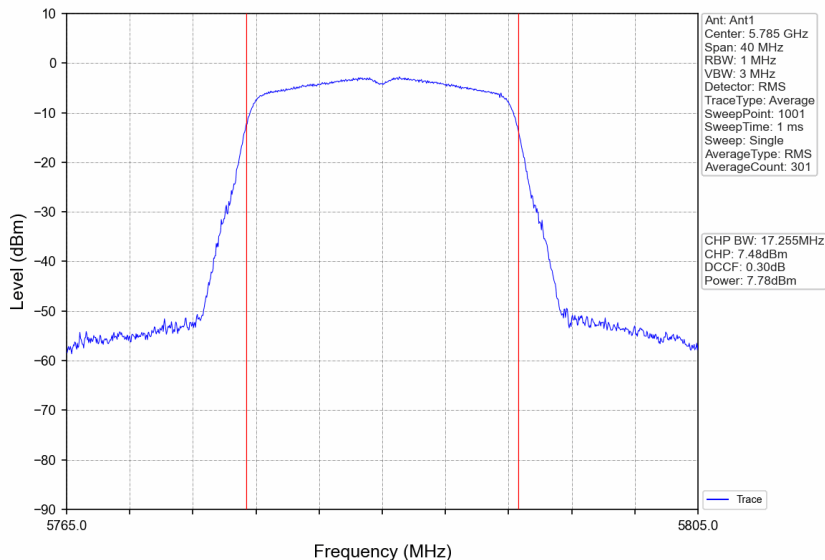
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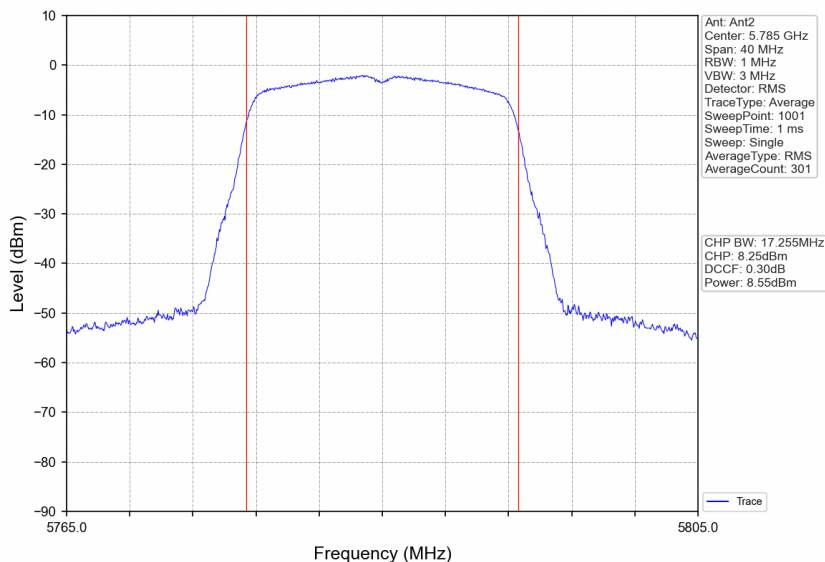
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_MCH\_5785MHz\_Ant2\_NTNV

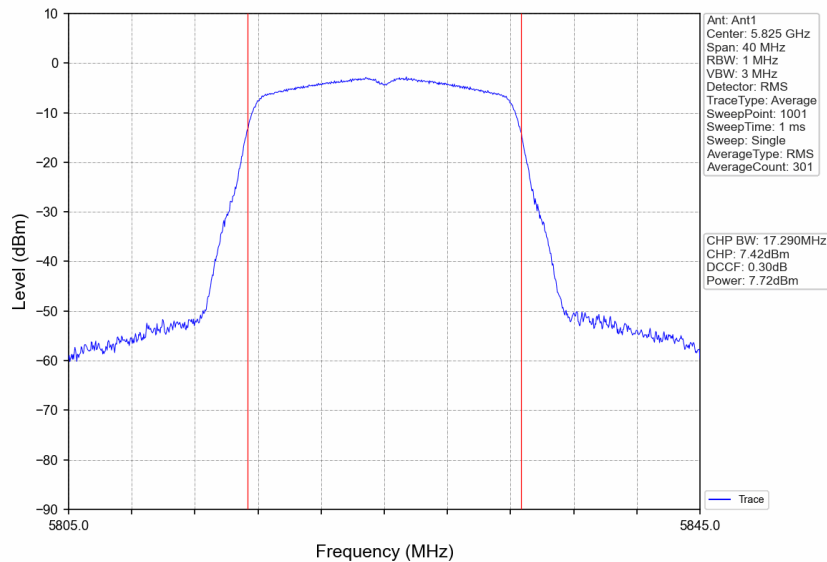


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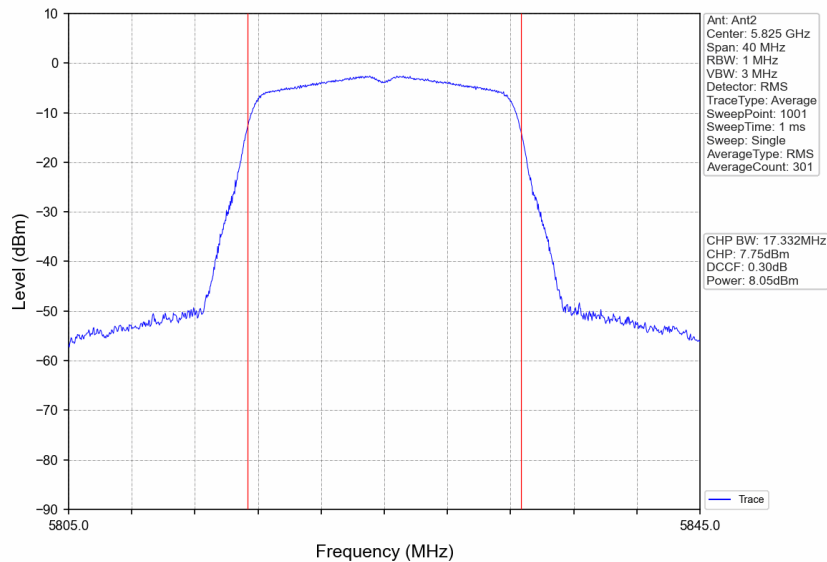
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802.11a\_HCH\_5825MHz\_Ant2\_NTNV



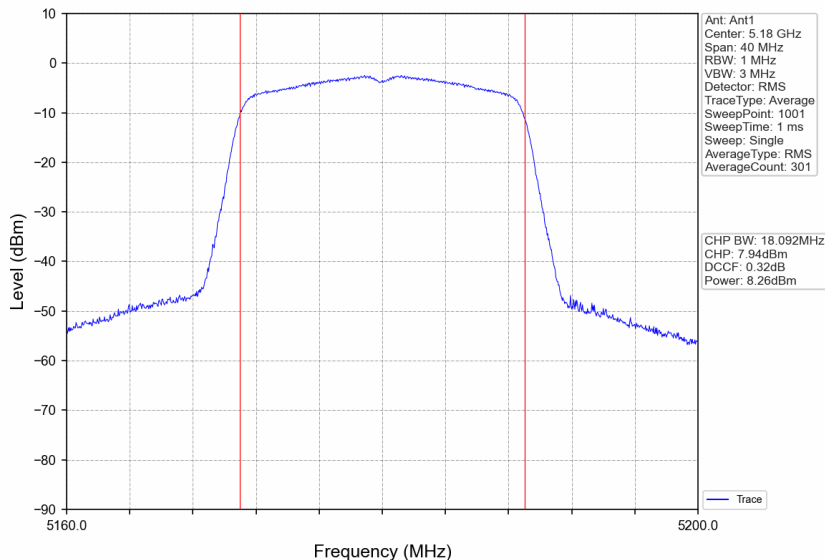
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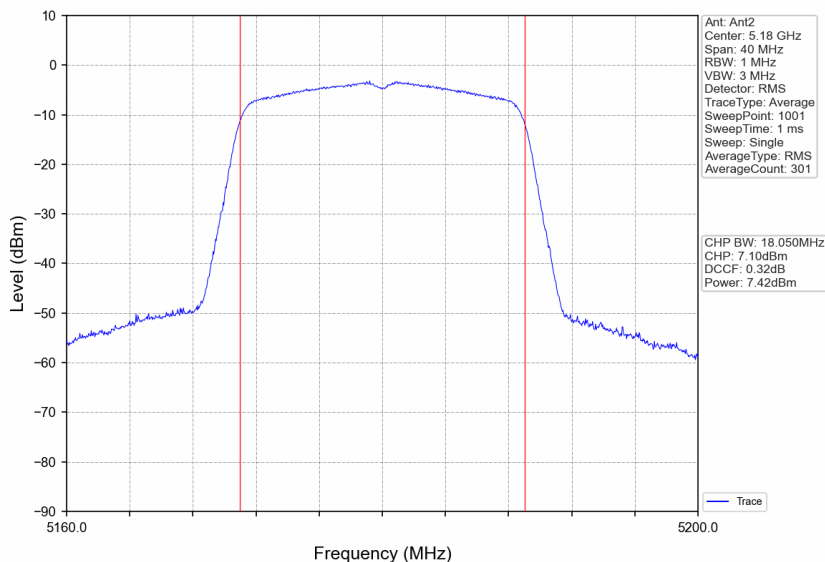
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



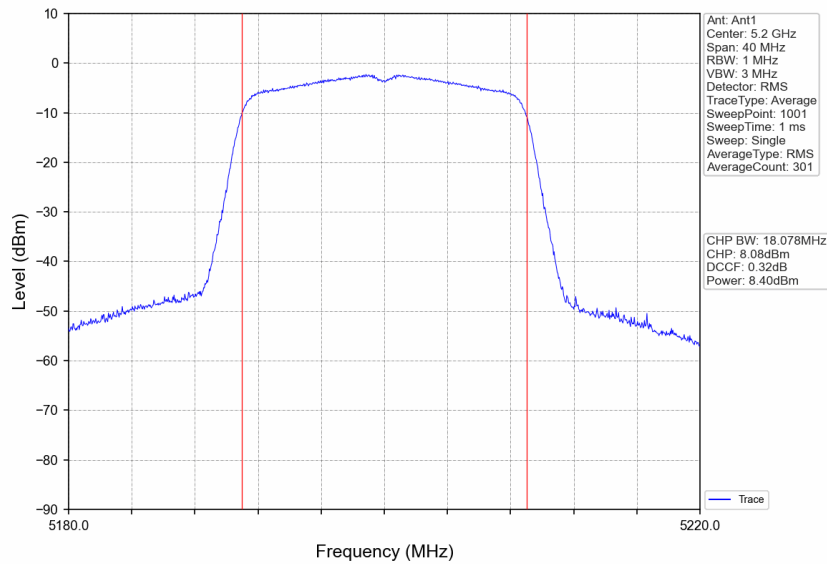
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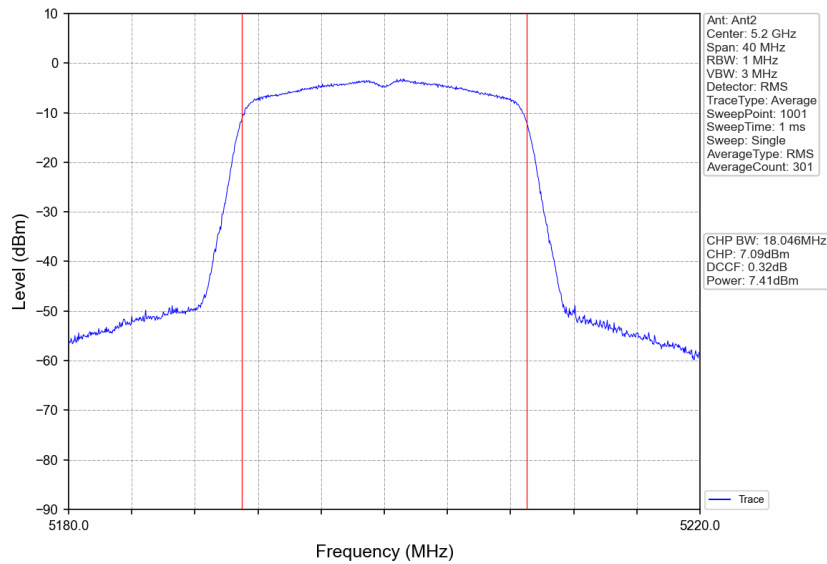
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



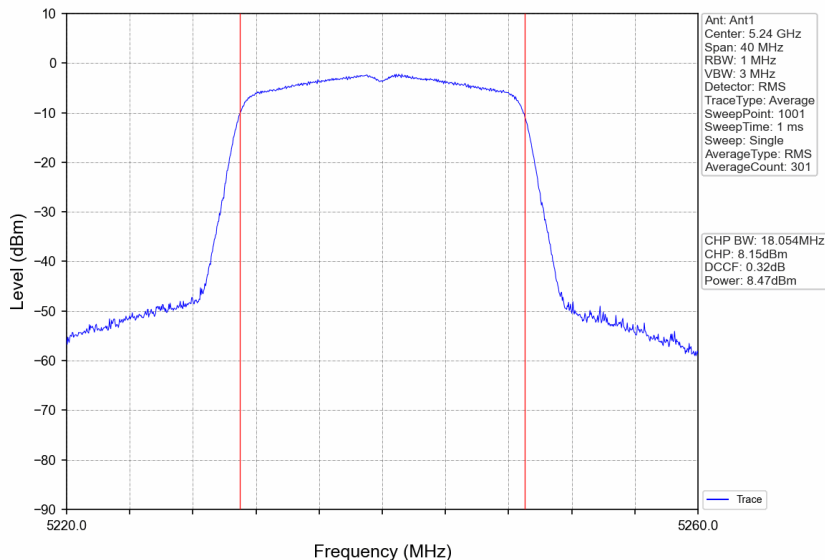
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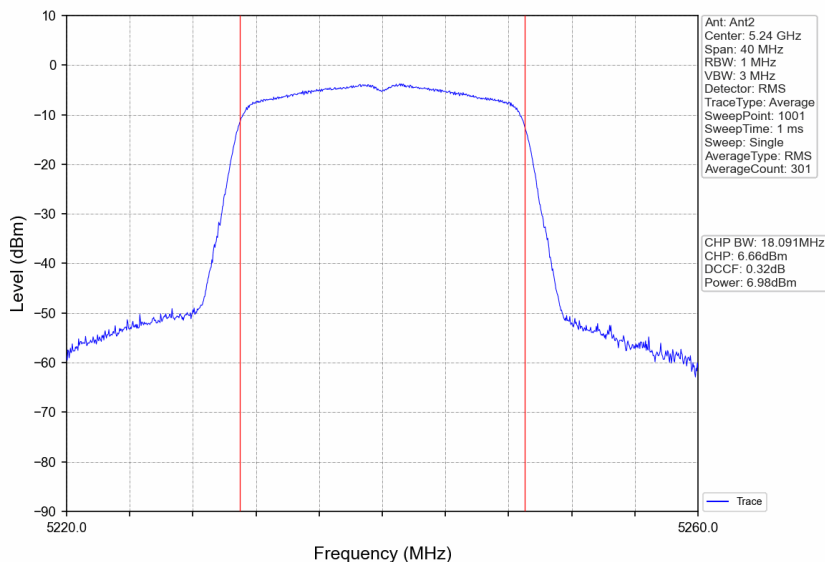
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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

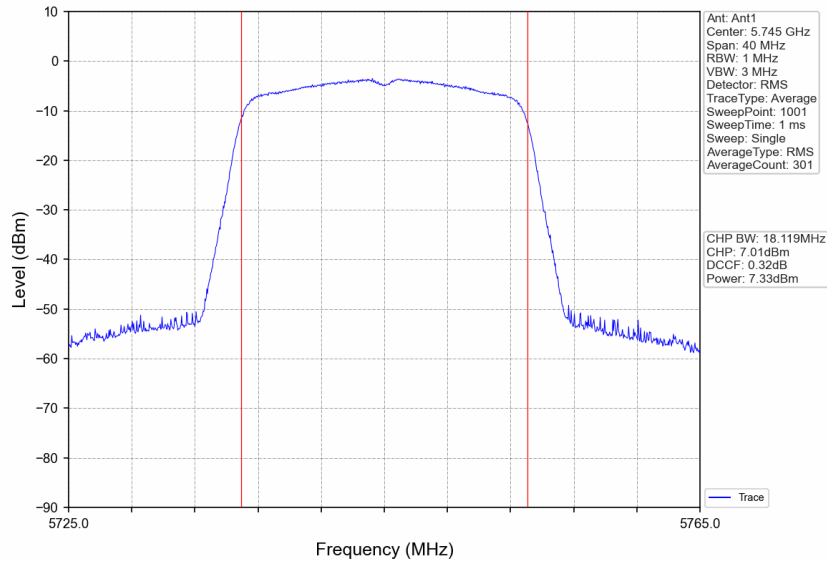


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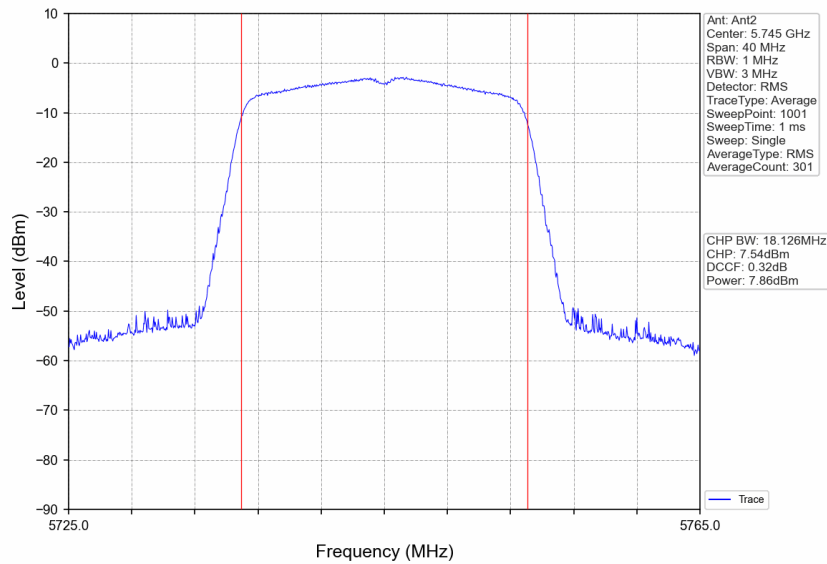
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



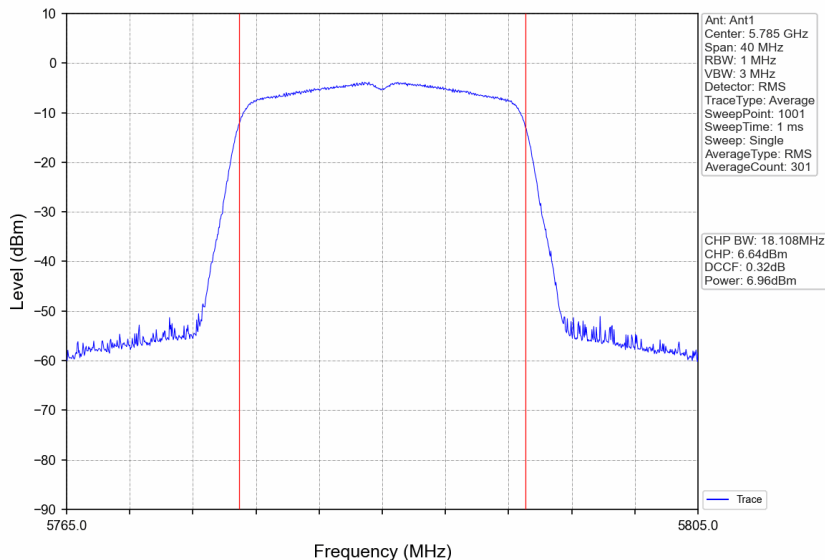
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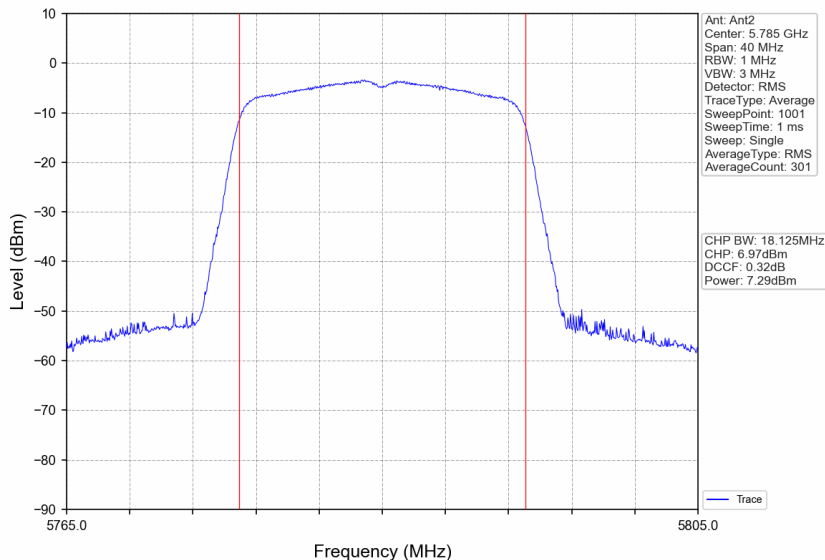
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



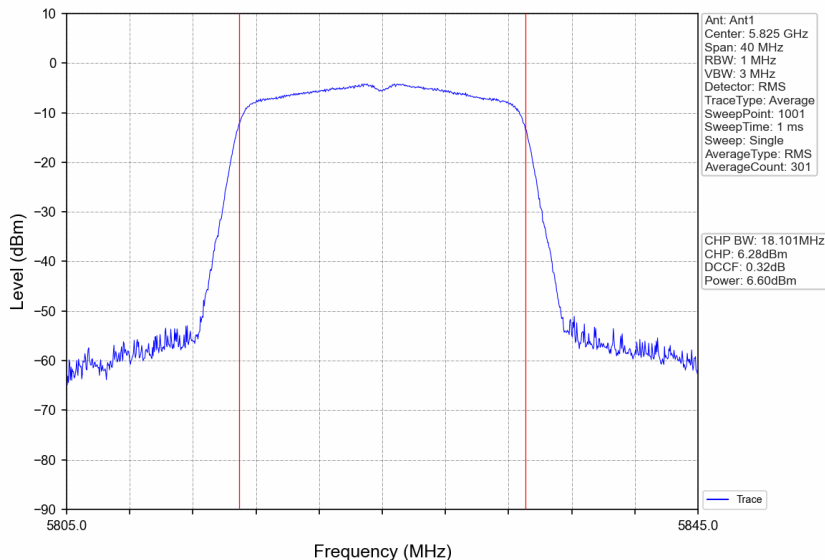
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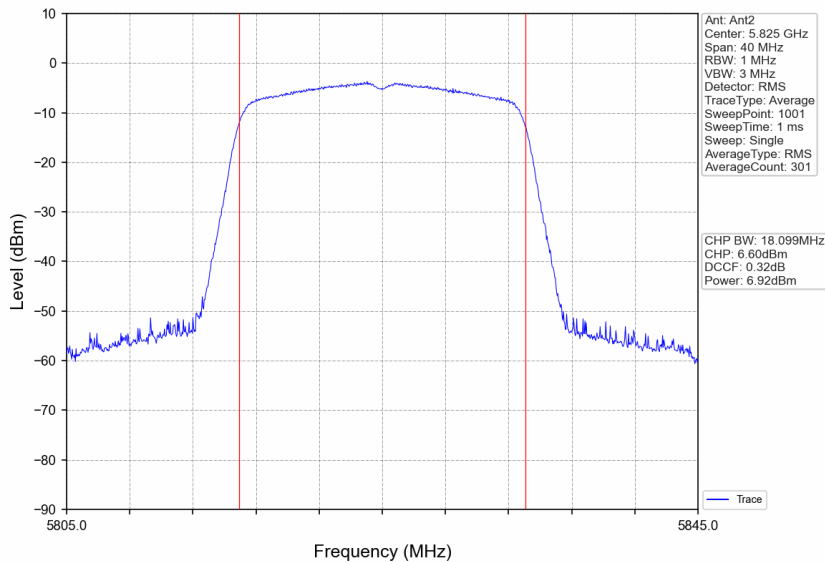
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



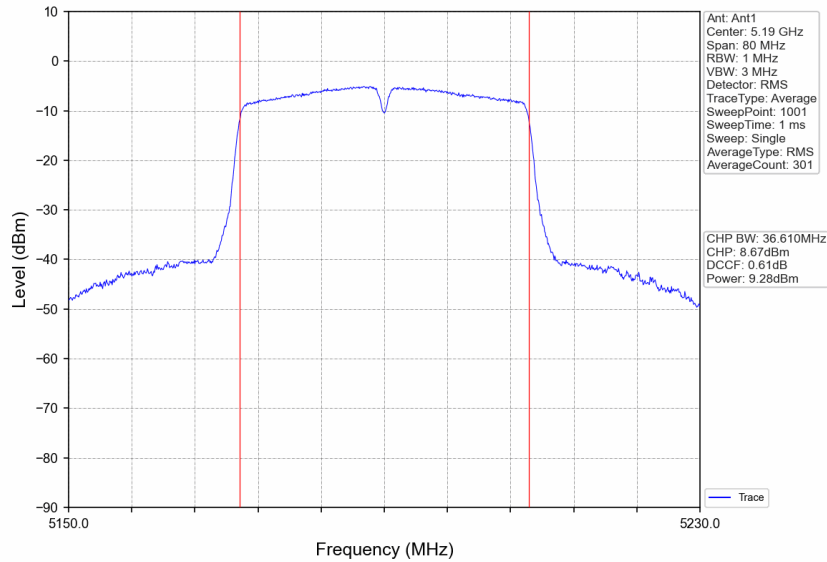
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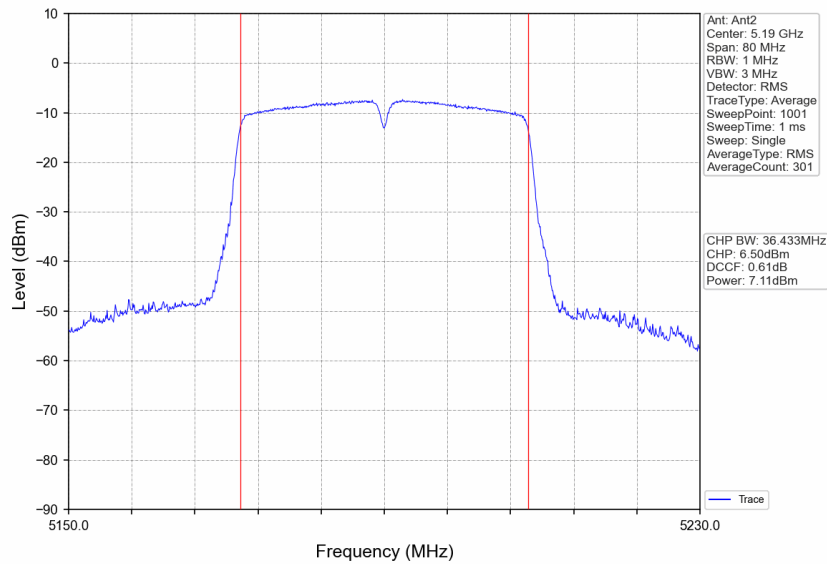
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



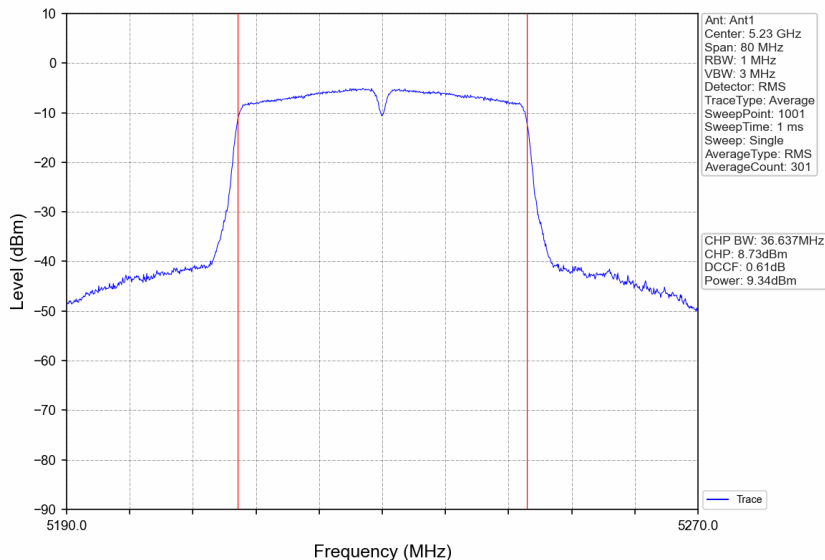
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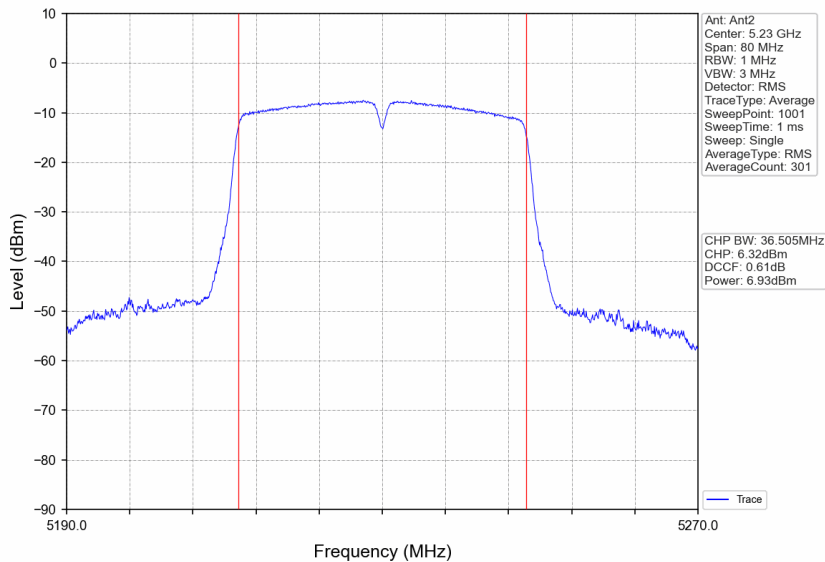
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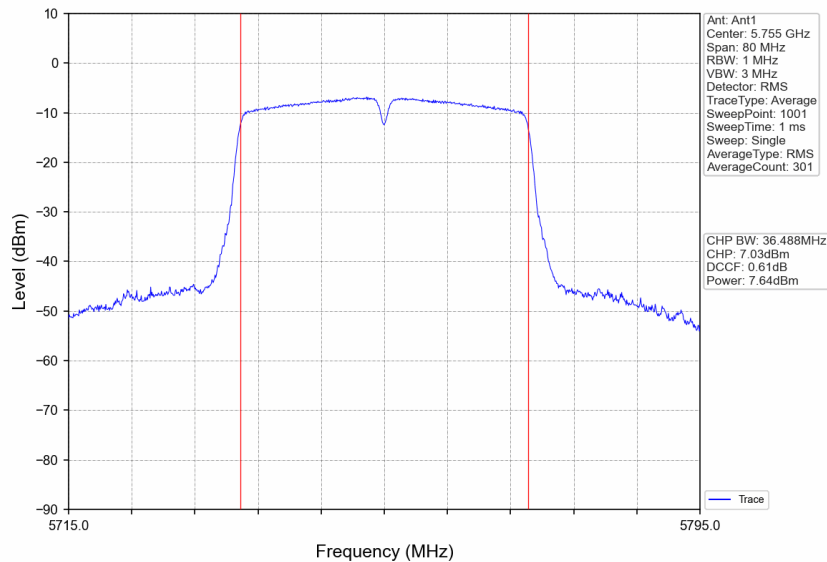
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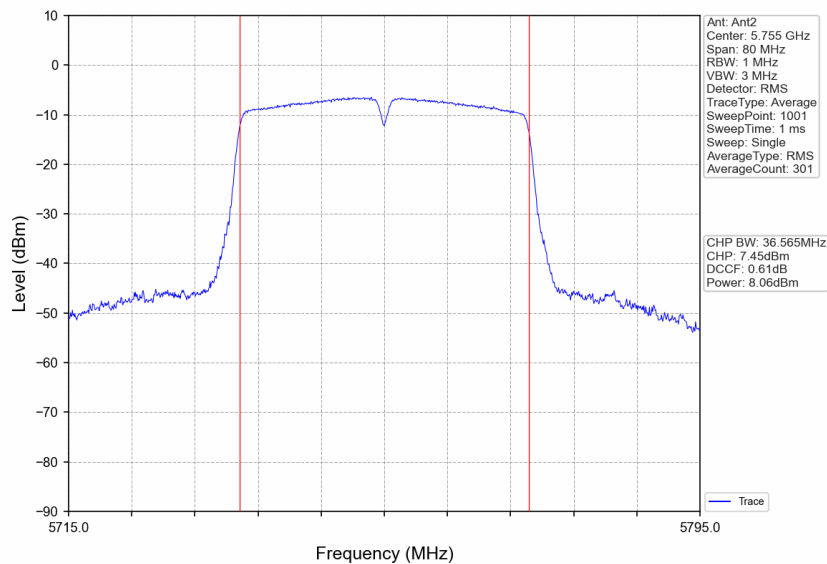
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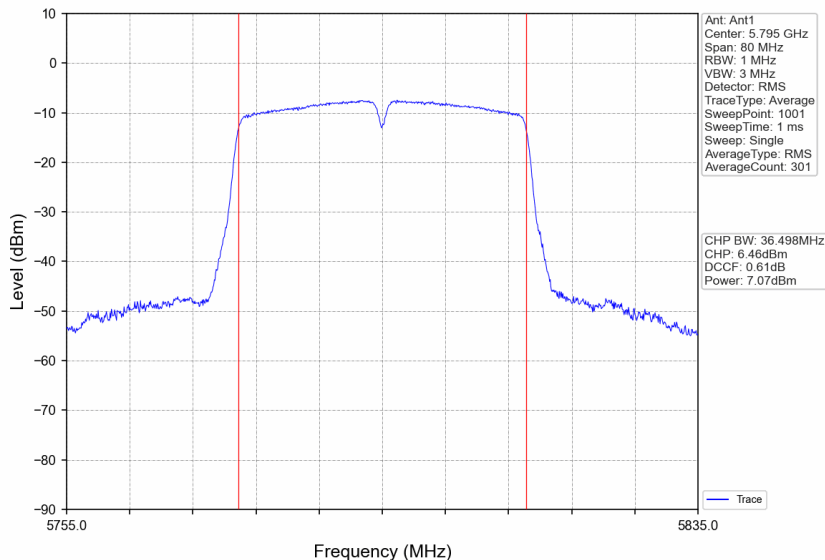
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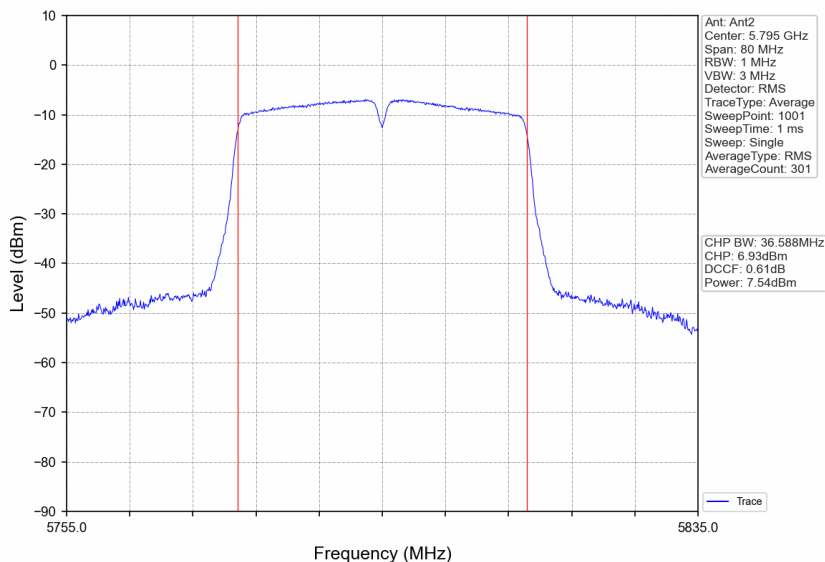
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



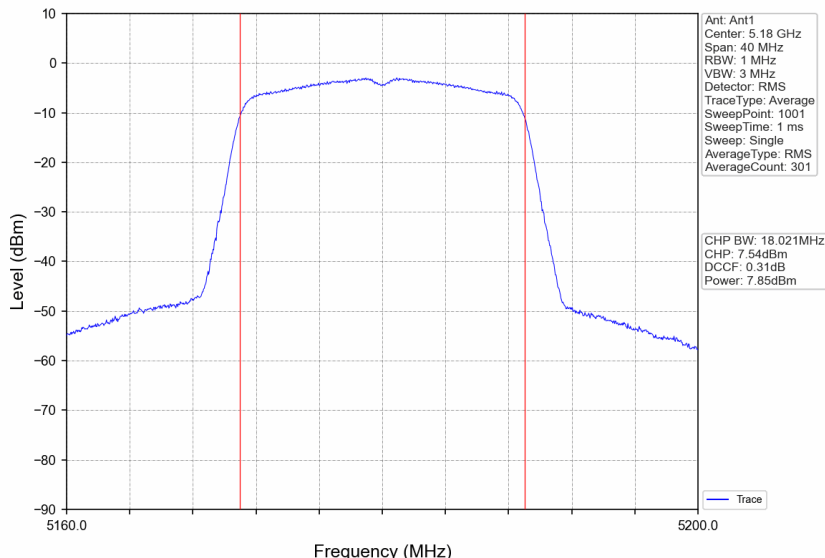
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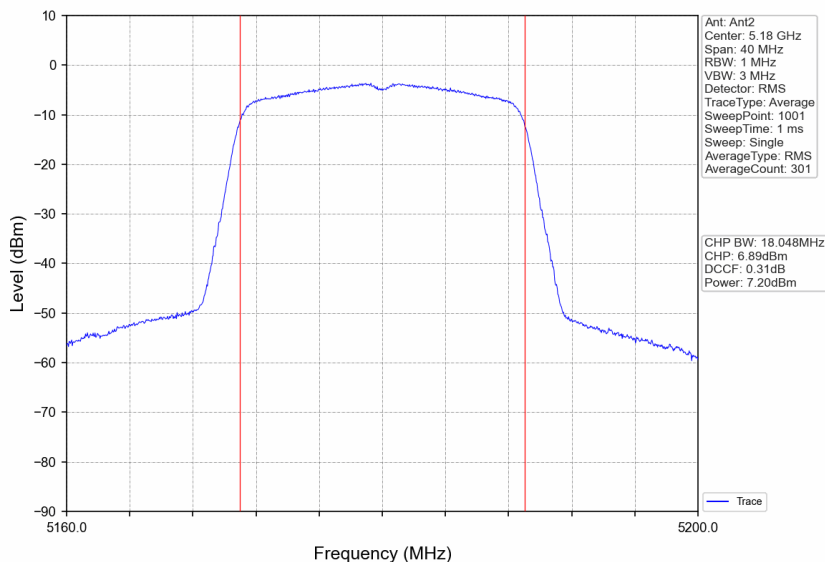
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



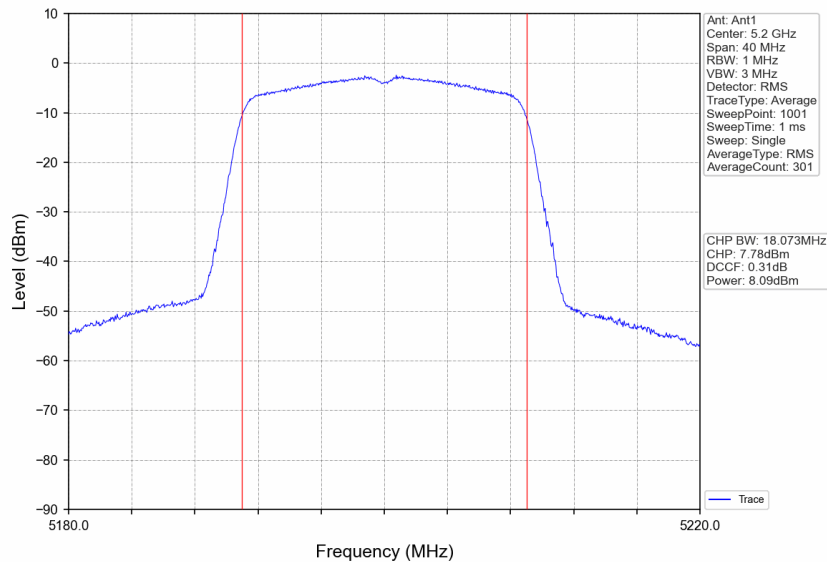
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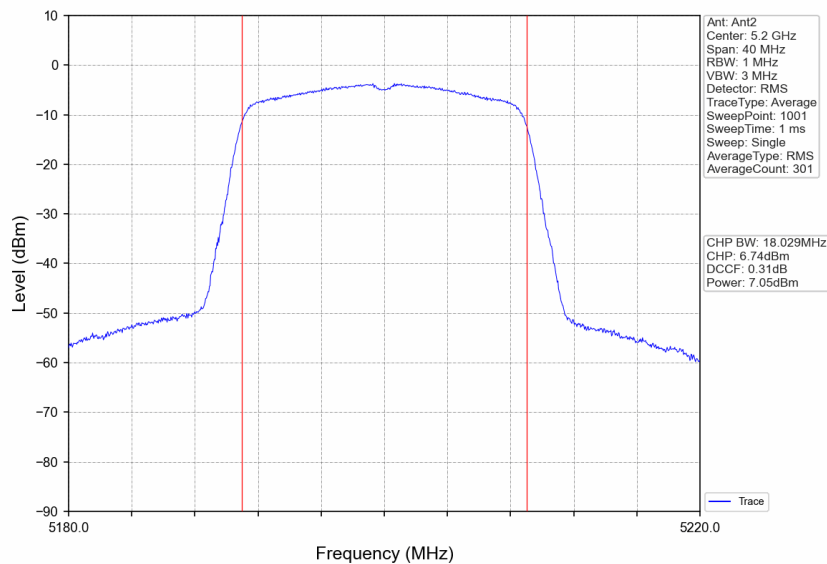
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



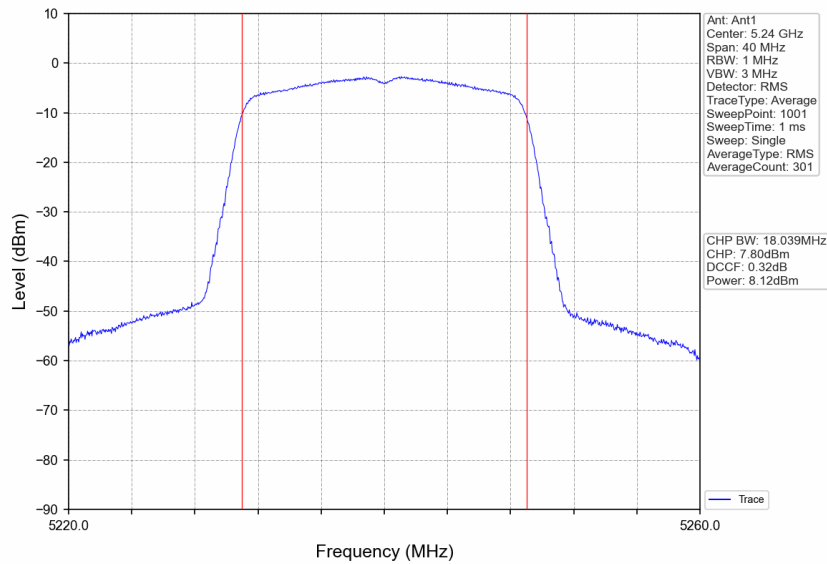
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



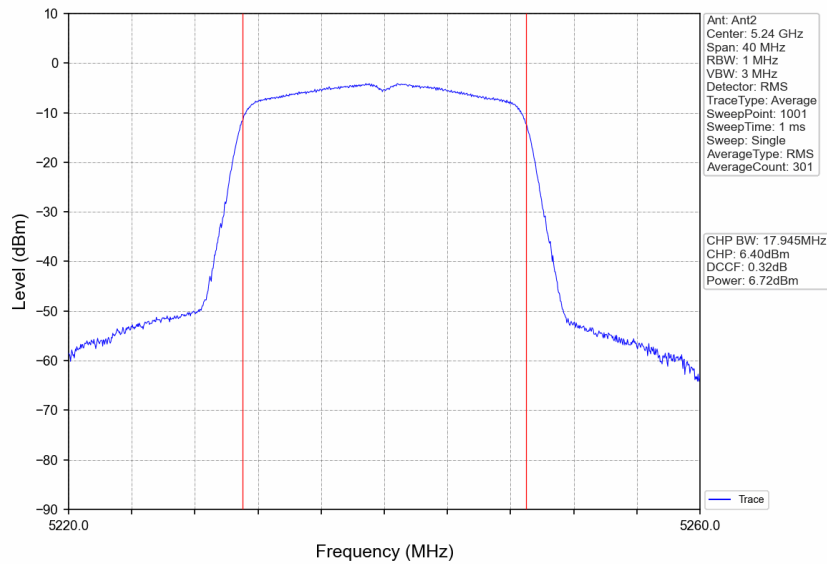
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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

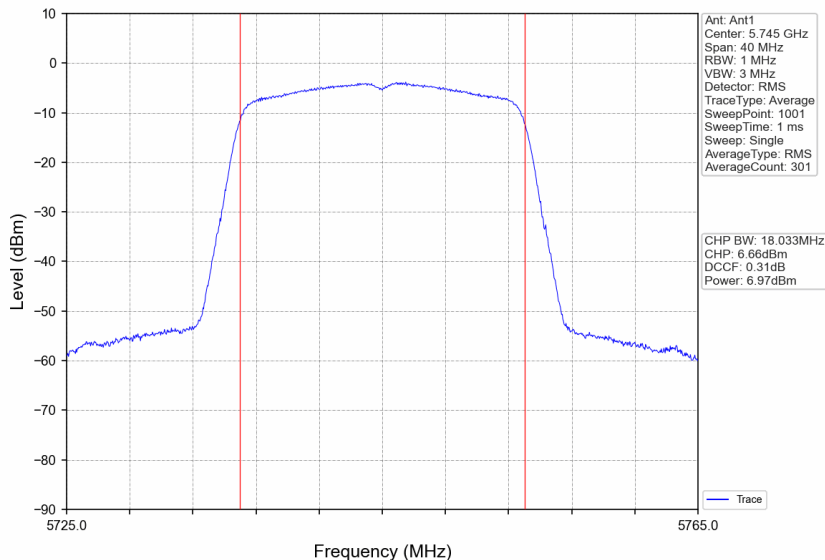


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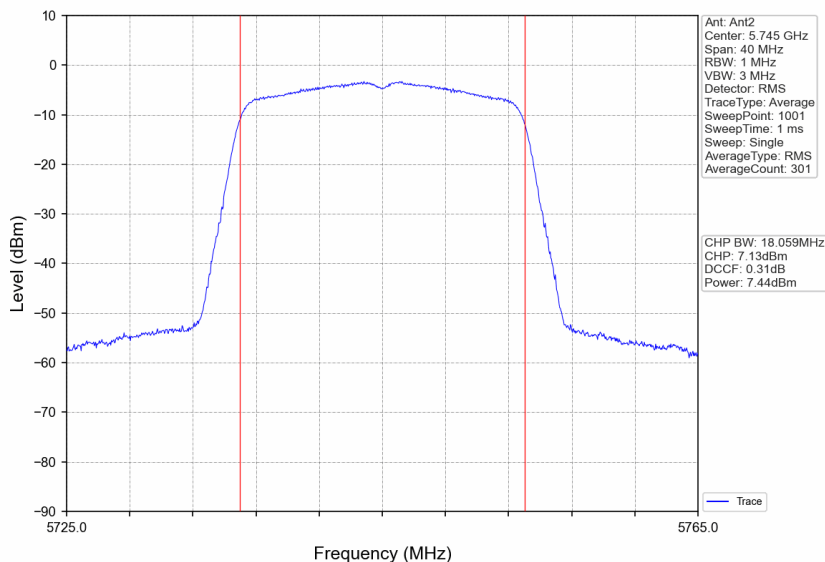
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV

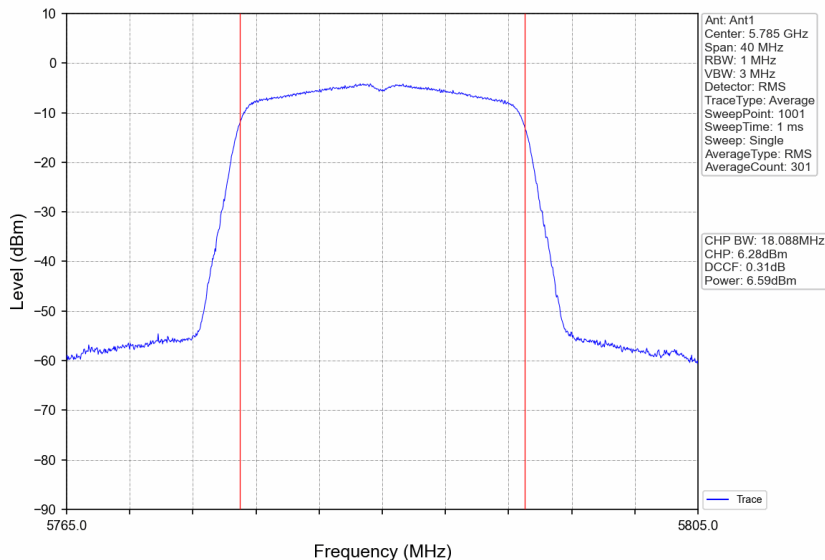


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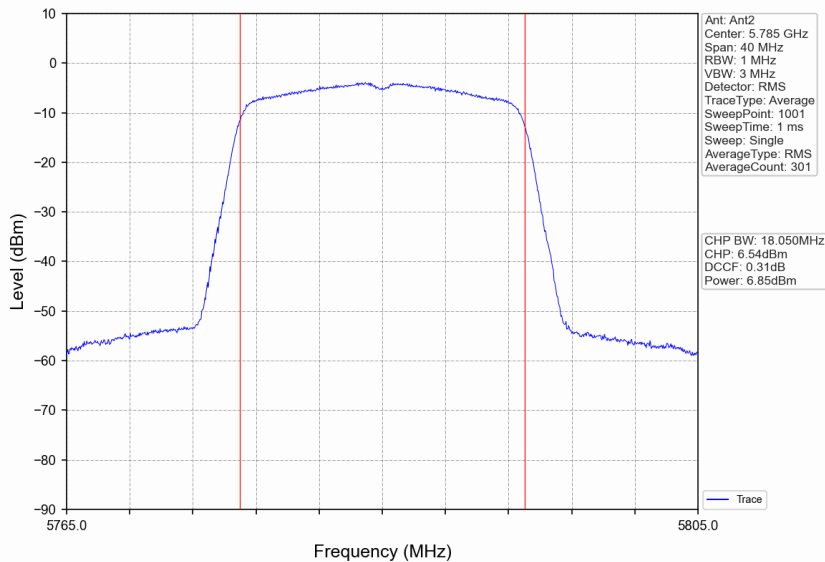
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



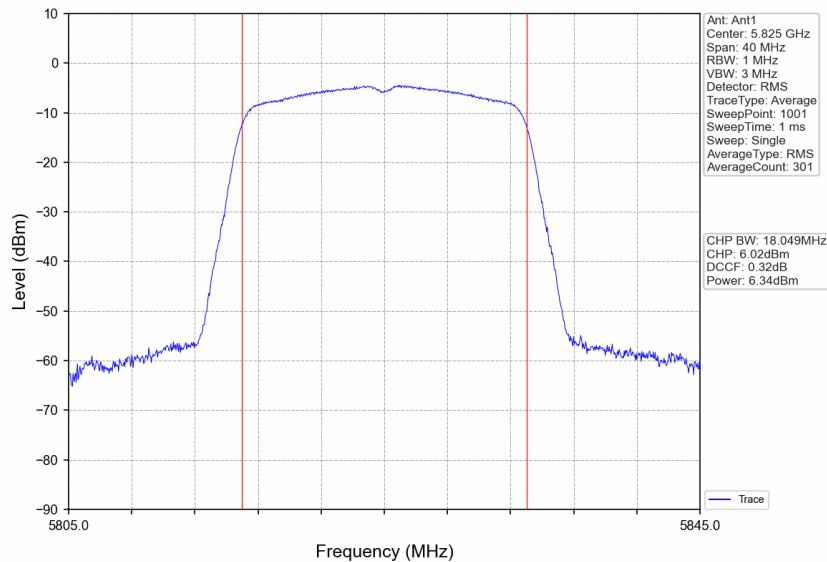
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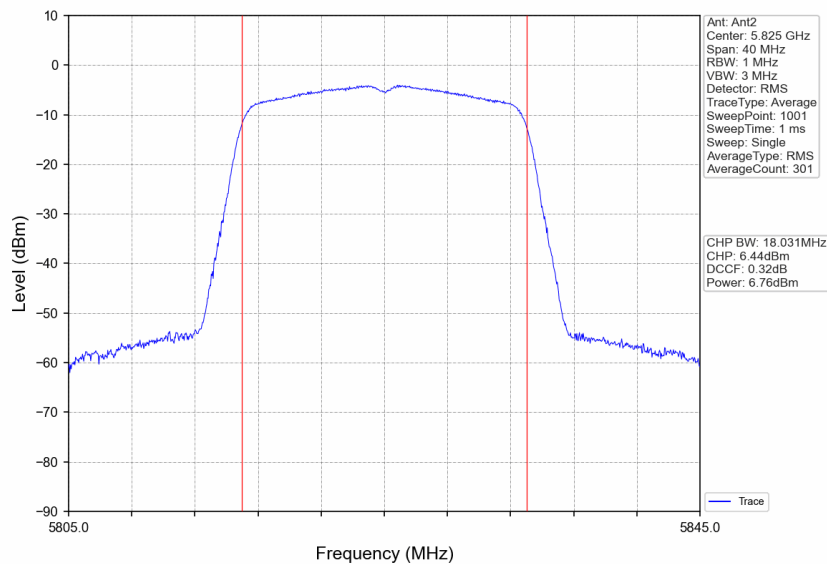
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



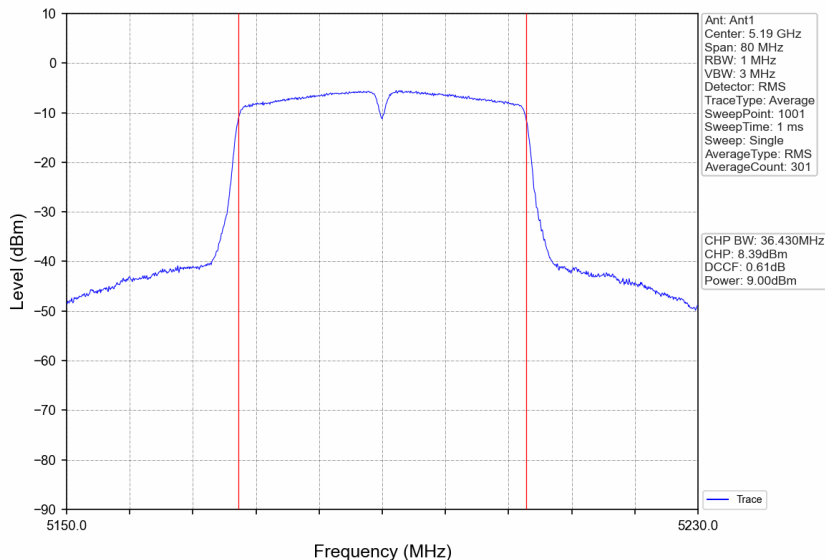
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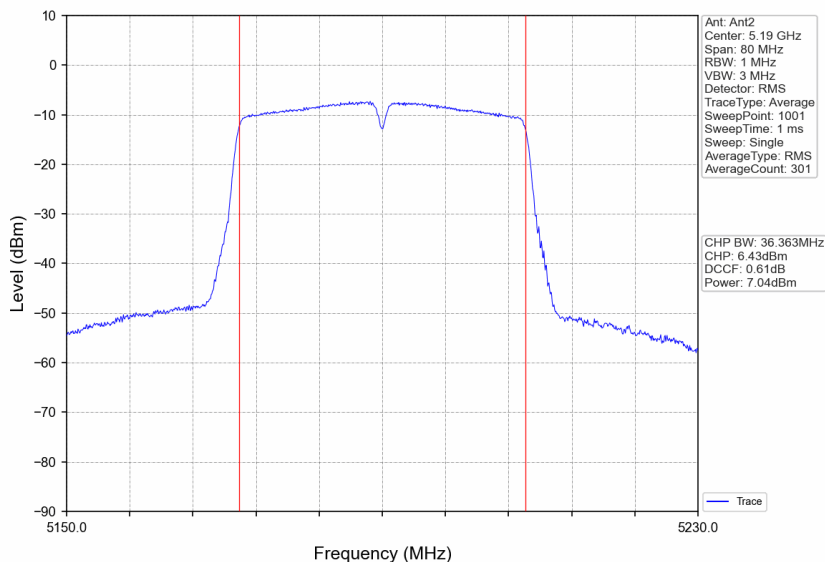
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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