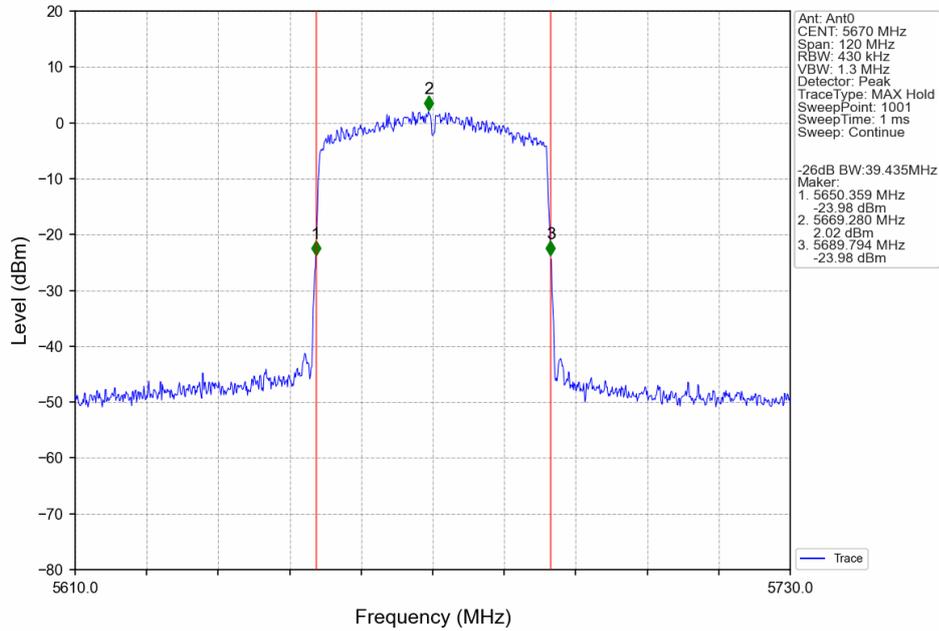
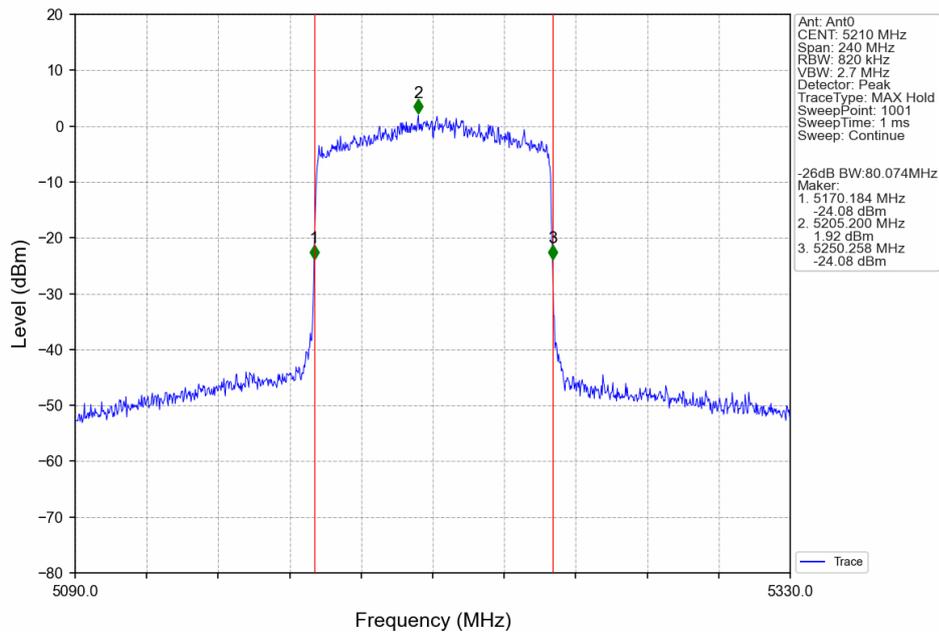


802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant0\_NTNV

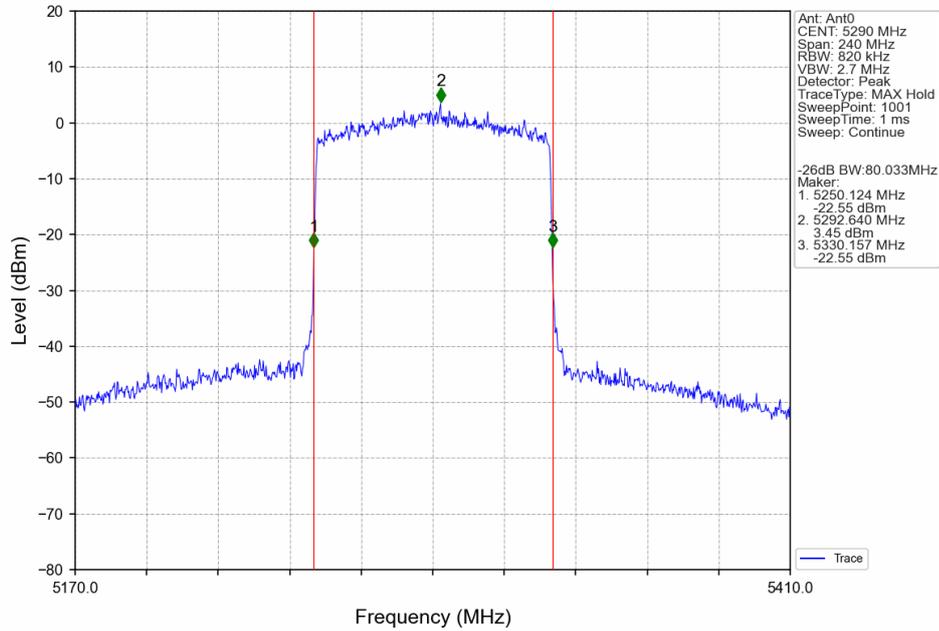


802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant0\_NTNV

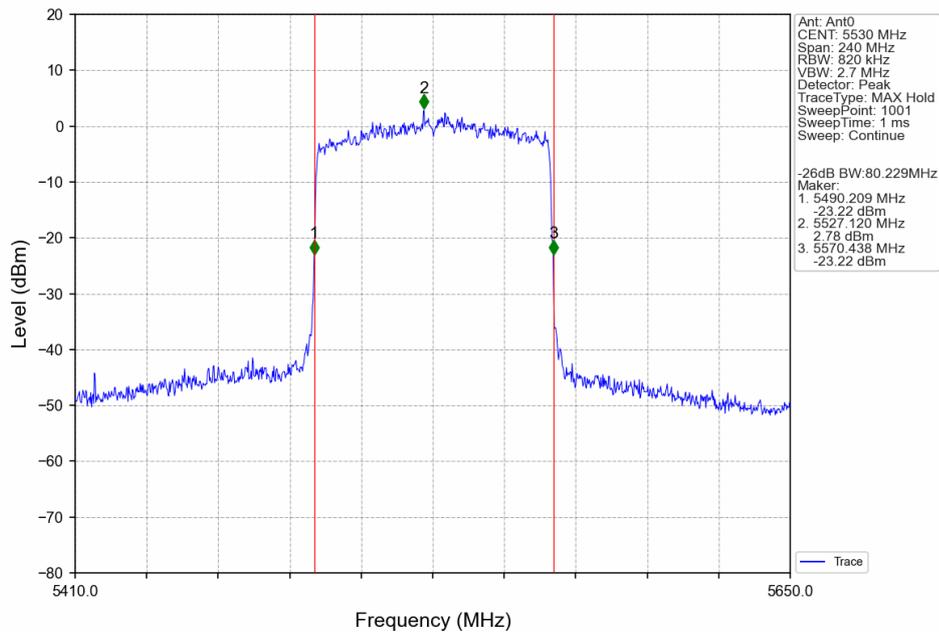


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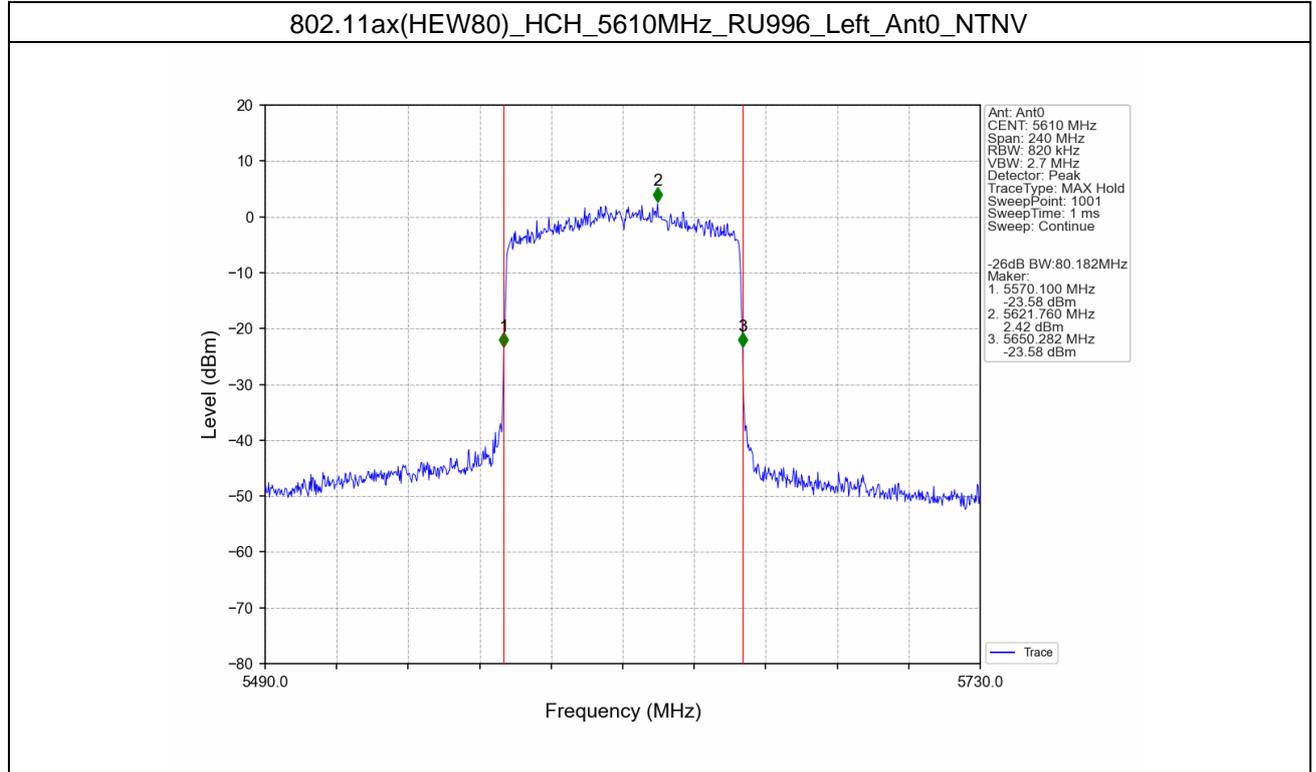
802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant0\_NTNV



802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant0\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	MIMO	5180	/	/	11.14	10.85	14.01	<=22.4	Pass
		5200	/	/	11.40	11.08	14.25	<=22.4	Pass
		5240	/	/	11.55	11.27	14.42	<=22.4	Pass
		5260	/	/	14.70	14.31	17.52	<=22.4	Pass
		5300	/	/	14.46	13.85	17.18	<=22.4	Pass
		5320	/	/	14.87	14.49	17.69	<=22.4	Pass
		5500	/	/	12.80	11.76	15.32	<=22.4	Pass
		5580	/	/	13.49	13.11	16.31	<=22.4	Pass
		5700	/	/	13.29	12.79	16.06	<=22.4	Pass
		5745	/	/	12.92	12.77	15.86	<=28.42	Pass
		5785	/	/	13.07	12.82	15.96	<=28.42	Pass
5825	/	/	12.89	12.41	15.67	<=28.42	Pass		
802.11n (HT20)	MIMO	5180	/	/	11.79	11.30	14.56	<=22.4	Pass
		5200	/	/	11.97	11.24	14.63	<=22.4	Pass
		5240	/	/	11.90	11.05	14.51	<=22.4	Pass
		5260	/	/	14.58	13.84	17.24	<=22.4	Pass
		5300	/	/	14.83	14.18	17.53	<=22.4	Pass
		5320	/	/	14.80	14.26	17.55	<=22.4	Pass
		5500	/	/	13.74	12.39	16.13	<=22.4	Pass
		5580	/	/	13.67	13.16	16.43	<=22.4	Pass
		5700	/	/	13.37	12.87	16.14	<=22.4	Pass
		5745	/	/	13.22	13.19	16.22	<=28.42	Pass
		5785	/	/	13.66	13.59	16.64	<=28.42	Pass
5825	/	/	13.94	13.66	16.81	<=28.42	Pass		
802.11n (HT40)	MIMO	5190	/	/	11.90	12.20	15.06	<=22.4	Pass
		5230	/	/	11.77	11.94	14.87	<=22.4	Pass
		5270	/	/	12.10	12.19	15.16	<=22.4	Pass
		5310	/	/	12.32	12.28	15.31	<=22.4	Pass
		5510	/	/	13.88	12.71	16.34	<=22.4	Pass
5550	/	/	14.28	13.41	16.88	<=22.4	Pass		



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		5670	/	/	13.37	13.17	16.28	<=22.4	Pass		
		5755	/	/	11.06	11.28	14.18	<=28.42	Pass		
		5795	/	/	11.09	11.10	14.11	<=28.42	Pass		
802.11ac (VHT20)	MIMO	5180	/	/	11.88	11.05	14.50	<=22.4	Pass		
		5200	/	/	12.07	11.11	14.63	<=22.4	Pass		
		5240	/	/	11.72	10.83	14.31	<=22.4	Pass		
		5260	/	/	13.55	12.50	16.07	<=22.4	Pass		
		5300	/	/	13.76	13.00	16.41	<=22.4	Pass		
		5320	/	/	14.09	13.09	16.63	<=22.4	Pass		
		5500	/	/	14.34	12.86	16.67	<=22.4	Pass		
		5580	/	/	14.20	13.61	16.93	<=22.4	Pass		
		5700	/	/	13.41	12.95	16.20	<=22.4	Pass		
		5745	/	/	13.38	13.10	16.25	<=28.42	Pass		
		5785	/	/	13.67	13.49	16.59	<=28.42	Pass		
		5825	/	/	13.84	13.49	16.68	<=28.42	Pass		
		802.11ac (VHT40)	MIMO	5190	/	/	11.97	12.16	15.08	<=22.4	Pass
				5230	/	/	12.30	12.45	15.39	<=22.4	Pass
5270	/			/	11.94	12.07	15.02	<=22.4	Pass		
5310	/			/	12.26	12.36	15.32	<=22.4	Pass		
5510	/			/	14.07	13.05	16.60	<=22.4	Pass		
5550	/			/	13.55	12.66	16.14	<=22.4	Pass		
5670	/			/	13.44	13.46	16.46	<=22.4	Pass		
5755	/			/	11.00	11.34	14.18	<=28.42	Pass		
802.11ac (VHT80)	MIMO	5795	/	/	10.90	11.09	14.01	<=28.42	Pass		
		5210	/	/	9.51	9.48	12.51	<=22.4	Pass		
		5290	/	/	9.81	9.65	12.74	<=22.4	Pass		
		5530	/	/	8.50	7.81	11.18	<=22.4	Pass		
		5610	/	/	9.71	9.52	12.63	<=22.4	Pass		
802.11ax (HEW20)	MIMO	5180	RU26	Left	3.67	3.55	6.62	<=22.4	Pass		
			RU242	Left	10.12	10.48	13.31	<=22.4	Pass		
		5200	RU26	Mid	4.33	3.93	7.14	<=22.4	Pass		
			RU242	Left	9.48	8.93	12.22	<=22.4	Pass		
		5240	RU26	Right	3.15	2.80	5.99	<=22.4	Pass		
			RU242	Left	11.31	10.90	14.12	<=22.4	Pass		
		5260	RU26	Left	4.67	4.05	7.38	<=22.4	Pass		
			RU242	Left	11.81	10.65	14.28	<=22.4	Pass		
		5300	RU26	Mid	9.11	8.90	12.02	<=22.4	Pass		
			RU242	Left	12.58	11.33	15.01	<=22.4	Pass		
5320	RU26	Right	9.08	8.18	11.66	<=22.4	Pass				



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		5500	RU242	Left	11.06	11.64	14.37	<=22.4	Pass		
			RU26	Left	7.19	6.10	9.69	<=22.4	Pass		
		5580	RU242	Left	12.83	11.42	15.19	<=22.4	Pass		
			RU26	Mid	7.17	6.13	9.69	<=22.4	Pass		
		5700	RU242	Left	12.60	12.55	15.59	<=22.4	Pass		
			RU26	Right	8.52	7.84	11.20	<=22.4	Pass		
		5745	RU242	Left	12.41	11.96	15.20	<=22.4	Pass		
			RU26	Left	10.67	10.45	13.57	<=28.42	Pass		
		5785	RU242	Left	10.06	9.83	12.96	<=28.42	Pass		
			RU26	Mid	11.47	10.91	14.21	<=28.42	Pass		
		5825	RU242	Left	10.36	9.65	13.03	<=28.42	Pass		
			RU26	Right	10.78	10.17	13.50	<=28.42	Pass		
		802.11ax (HEW40)	MIMO	5190	RU26	Left	1.19	1.94	4.59	<=22.4	Pass
					RU484	Left	9.53	10.28	12.93	<=22.4	Pass
				5230	RU26	Right	3.60	3.89	6.76	<=22.4	Pass
					RU484	Left	10.09	10.11	13.11	<=22.4	Pass
5270	RU26			Left	7.79	7.56	10.69	<=22.4	Pass		
	RU484			Left	11.02	11.72	14.39	<=22.4	Pass		
5310	RU26			Right	6.98	6.57	9.79	<=22.4	Pass		
	RU484			Left	11.11	11.18	14.16	<=22.4	Pass		
5510	RU26			Left	8.86	8.24	11.57	<=22.4	Pass		
	RU484			Left	11.95	11.57	14.77	<=22.4	Pass		
5550	RU26			Mid	9.73	8.52	12.18	<=22.4	Pass		
	RU484			Left	12.22	11.14	14.72	<=22.4	Pass		
5670	RU26			Right	7.03	7.50	10.28	<=22.4	Pass		
	RU484			Left	10.27	11.31	13.83	<=22.4	Pass		
5755	RU26			Left	12.19	12.21	15.21	<=28.42	Pass		
	RU484			Left	12.24	12.13	15.20	<=28.42	Pass		
5795	RU26	Right	10.50	10.75	13.64	<=28.42	Pass				
	RU484	Left	10.33	10.14	13.25	<=28.42	Pass				
802.11ax (HEW80)	MIMO	5210	RU26	Left	3.21	2.68	5.96	<=22.4	Pass		
			RU26	Right	4.06	3.54	6.82	<=22.4	Pass		
		5290	RU996	Left	9.76	9.74	12.76	<=22.4	Pass		
			RU26	Left	7.07	6.45	9.78	<=22.4	Pass		
		5530	RU26	Right	8.72	8.11	11.44	<=22.4	Pass		
			RU996	Left	10.92	10.88	13.91	<=22.4	Pass		
		5610	RU26	Left	7.72	6.60	10.21	<=22.4	Pass		
			RU996	Left	10.56	9.89	13.25	<=22.4	Pass		
		5610	RU26	Right	7.89	7.10	10.52	<=22.4	Pass		



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			RU996	Left	10.79	10.64	13.73	<=22.4	Pass
		5775	RU26	Left	10.26	10.74	13.52	<=28.42	Pass
				Right	10.67	11.02	13.86	<=28.42	Pass
			RU996	Left	10.77	10.43	13.61	<=28.42	Pass

Note1: Antenna Gain: Ant0: 3.23dBi; Ant1: 5.73dBi;

Note2: Directional Gain: 7.58dBi

## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	MIMO	5180	/	/	0.48	0.29	3.30	<=9.42	Pass
		5200	/	/	0.80	0.45	3.59	<=9.42	Pass
		5240	/	/	1.09	0.80	3.85	<=9.42	Pass
		5260	/	/	3.89	3.74	6.66	<=9.42	Pass
		5300	/	/	3.82	3.16	6.42	<=9.42	Pass
		5320	/	/	4.31	3.93	6.98	<=9.42	Pass
		5500	/	/	2.14	1.16	4.61	<=9.42	Pass
		5580	/	/	2.85	2.43	5.59	<=9.42	Pass
		5700	/	/	2.85	2.12	5.36	<=9.42	Pass
802.11n (HT20)	MIMO	5180	/	/	1.01	0.61	3.60	<=9.42	Pass
		5200	/	/	1.25	0.32	3.69	<=9.42	Pass
		5240	/	/	1.39	0.55	3.90	<=9.42	Pass
		5260	/	/	3.73	3.05	6.33	<=9.42	Pass
		5300	/	/	4.10	3.45	6.69	<=9.42	Pass
		5320	/	/	4.03	3.41	6.63	<=9.42	Pass
		5500	/	/	2.89	1.50	5.20	<=9.42	Pass
		5580	/	/	2.79	2.24	5.45	<=9.42	Pass
		5700	/	/	2.57	2.00	5.22	<=9.42	Pass
802.11n (HT40)	MIMO	5190	/	/	-1.10	-0.56	2.17	<=9.42	Pass
		5230	/	/	-1.32	-1.20	1.72	<=9.42	Pass
		5270	/	/	-0.92	-0.89	2.03	<=9.42	Pass
		5310	/	/	-0.57	-0.71	2.25	<=9.42	Pass
		5510	/	/	1.01	-0.26	3.34	<=9.42	Pass
		5550	/	/	1.46	0.41	3.87	<=9.42	Pass
		5670	/	/	0.53	0.23	3.35	<=9.42	Pass
802.11ac	MIMO	5180	/	/	0.96	0.29	3.56	<=9.42	Pass



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(VHT20)		5200	/	/	1.08	0.24	3.59	<=9.42	Pass
		5240	/	/	1.02	0.22	3.58	<=9.42	Pass
		5260	/	/	2.66	1.64	5.14	<=9.42	Pass
		5300	/	/	2.88	2.04	5.39	<=9.42	Pass
		5320	/	/	3.14	2.22	5.64	<=9.42	Pass
		5500	/	/	3.54	2.01	5.75	<=9.42	Pass
		5580	/	/	3.28	2.94	6.03	<=9.42	Pass
		5700	/	/	2.55	2.11	5.26	<=9.42	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-0.98	-0.75	2.10	<=9.42	Pass
		5230	/	/	-0.76	-0.51	2.32	<=9.42	Pass
		5270	/	/	-1.00	-0.95	1.90	<=9.42	Pass
		5310	/	/	-0.76	-0.75	2.21	<=9.42	Pass
		5510	/	/	1.12	0.18	3.63	<=9.42	Pass
		5550	/	/	0.55	-0.28	3.07	<=9.42	Pass
		5670	/	/	0.49	0.44	3.39	<=9.42	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-6.46	-6.87	-3.68	<=9.42	Pass
		5290	/	/	-6.67	-6.67	-3.82	<=9.42	Pass
		5530	/	/	-7.95	-8.53	-5.22	<=9.42	Pass
		5610	/	/	-6.48	-6.87	-3.66	<=9.42	Pass
802.11ax (HEW20)	MIMO	5180	RU26	Left	1.38	1.44	4.42	<=9.42	Pass
			RU242	Left	-0.11	-0.77	2.48	<=9.42	Pass
		5200	RU26	Mid	0.41	0.37	3.28	<=9.42	Pass
			RU242	Left	-1.98	-1.74	1.03	<=9.42	Pass
		5240	RU26	Right	0.50	0.30	3.41	<=9.42	Pass
			RU242	Left	0.48	-0.33	2.98	<=9.42	Pass
		5260	RU26	Left	2.47	2.00	5.02	<=9.42	Pass
			RU242	Left	1.31	0.07	3.47	<=9.42	Pass
		5300	RU26	Mid	5.29	4.95	7.93	<=9.42	Pass
			RU242	Left	1.78	0.22	3.89	<=9.42	Pass
		5320	RU26	Right	6.70	5.89	9.23	<=9.42	Pass
			RU242	Left	1.28	0.35	3.71	<=9.42	Pass
		5500	RU26	Left	5.18	3.83	7.41	<=9.42	Pass
			RU242	Left	2.27	0.49	4.32	<=9.42	Pass
		5580	RU26	Mid	3.06	2.89	5.93	<=9.42	Pass
			RU242	Left	2.26	1.13	4.53	<=9.42	Pass
5700	RU26	Right	5.86	5.43	8.63	<=9.42	Pass		
	RU242	Left	0.92	1.08	3.81	<=9.42	Pass		
802.11ax (HEW40)	MIMO	5190	RU26	Left	-0.47	-0.39	2.58	<=9.42	Pass
			RU484	Left	-2.74	-2.28	0.29	<=9.42	Pass
		5230	RU26	Right	1.31	2.02	4.56	<=9.42	Pass



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		5270	RU484	Left	-2.77	-2.97	0.02	<=9.42	Pass		
			RU26	Left	5.75	5.43	8.49	<=9.42	Pass		
		5310	RU484	Left	-2.66	-2.41	0.22	<=9.42	Pass		
			RU26	Right	4.93	4.57	7.60	<=9.42	Pass		
		5510	RU484	Left	-2.10	-1.06	1.27	<=9.42	Pass		
			RU26	Left	6.74	5.94	9.22	<=9.42	Pass		
		5550	RU484	Left	-0.82	-2.36	1.29	<=9.42	Pass		
			RU26	Mid	6.37	5.88	8.95	<=9.42	Pass		
		5670	RU484	Left	-0.65	-1.00	2.00	<=9.42	Pass		
			RU26	Right	4.77	5.28	7.94	<=9.42	Pass		
		802.11ax (HEW80)	MIMO	5210	RU26	Left	1.58	1.18	4.38	<=9.42	Pass
						Right	1.61	1.06	4.32	<=9.42	Pass
					RU996	Left	-6.60	-6.71	-3.68	<=9.42	Pass
				5290	RU26	Left	5.67	4.81	8.27	<=9.42	Pass
Right	6.21					5.61	8.93	<=9.42	Pass		
5530	RU996			Left	-5.55	-5.80	-2.72	<=9.42	Pass		
				Left	-5.90	-6.83	-3.42	<=9.42	Pass		
5610	RU26			Right	6.35	6.04	9.07	<=9.42	Pass		
				RU996	Left	-6.01	-5.23	-2.75	<=9.42	Pass	
Note1: Antenna Gain: Ant0: 3.23dBi; Ant1: 5.73dBi;											
Note2: Directional Gain: 7.58dBi											

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	MIMO	5745	/	/	-0.63	-0.88	2.24	<=28.42	Pass
		5785	/	/	-0.46	-0.91	2.29	<=28.42	Pass
		5825	/	/	-0.62	-1.09	2.07	<=28.42	Pass
802.11n (HT20)	MIMO	5745	/	/	-0.34	-0.36	2.61	<=28.42	Pass
		5785	/	/	0.07	-0.01	2.96	<=28.42	Pass
		5825	/	/	0.29	0.15	3.10	<=28.42	Pass
802.11n (HT40)	MIMO	5755	/	/	-4.91	-4.75	-1.94	<=28.42	Pass
		5795	/	/	-4.86	-4.73	-2.00	<=28.42	Pass
802.11ac (VHT20)	MIMO	5745	/	/	-0.46	-0.65	2.45	<=28.42	Pass
		5785	/	/	0.09	-0.21	2.84	<=28.42	Pass
		5825	/	/	0.12	-0.06	2.83	<=28.42	Pass
802.11ac	MIMO	5755	/	/	-4.73	-4.36	-1.79	<=28.42	Pass



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# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR240800301805

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(VHT40)		5795	/	/	-4.94	-4.76	-1.91	<=28.42	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-10.17	-10.00	-7.21	<=28.42	Pass
802.11ax (HEW20)	MIMO	5745	RU26	Left	5.65	5.31	8.46	<=28.42	Pass
			RU242	Left	-3.44	-3.26	-0.50	<=28.42	Pass
		5785	RU26	Mid	5.91	5.58	8.49	<=28.42	Pass
			RU242	Left	-3.55	-4.20	-1.01	<=28.42	Pass
		5825	RU26	Right	5.73	4.76	8.09	<=28.42	Pass
			RU242	Left	-2.56	-3.11	0.01	<=28.42	Pass
802.11ax (HEW40)	MIMO	5755	RU26	Left	7.86	7.59	10.67	<=28.42	Pass
			RU484	Left	-4.13	-3.80	-1.28	<=28.42	Pass
		5795	RU26	Right	5.71	5.17	8.26	<=28.42	Pass
			RU484	Left	-5.81	-6.09	-3.19	<=28.42	Pass
802.11ax (HEW80)	MIMO	5775	RU26	Left	6.47	6.49	9.49	<=28.42	Pass
				Right	6.89	5.79	9.29	<=28.42	Pass
			RU996	Left	-7.84	-8.66	-5.35	<=28.42	Pass

Note1: Antenna Gain: Ant0: 3.23dBi; Ant1: 5.73dBi;  
 Note2: Directional Gain: 7.58dBi

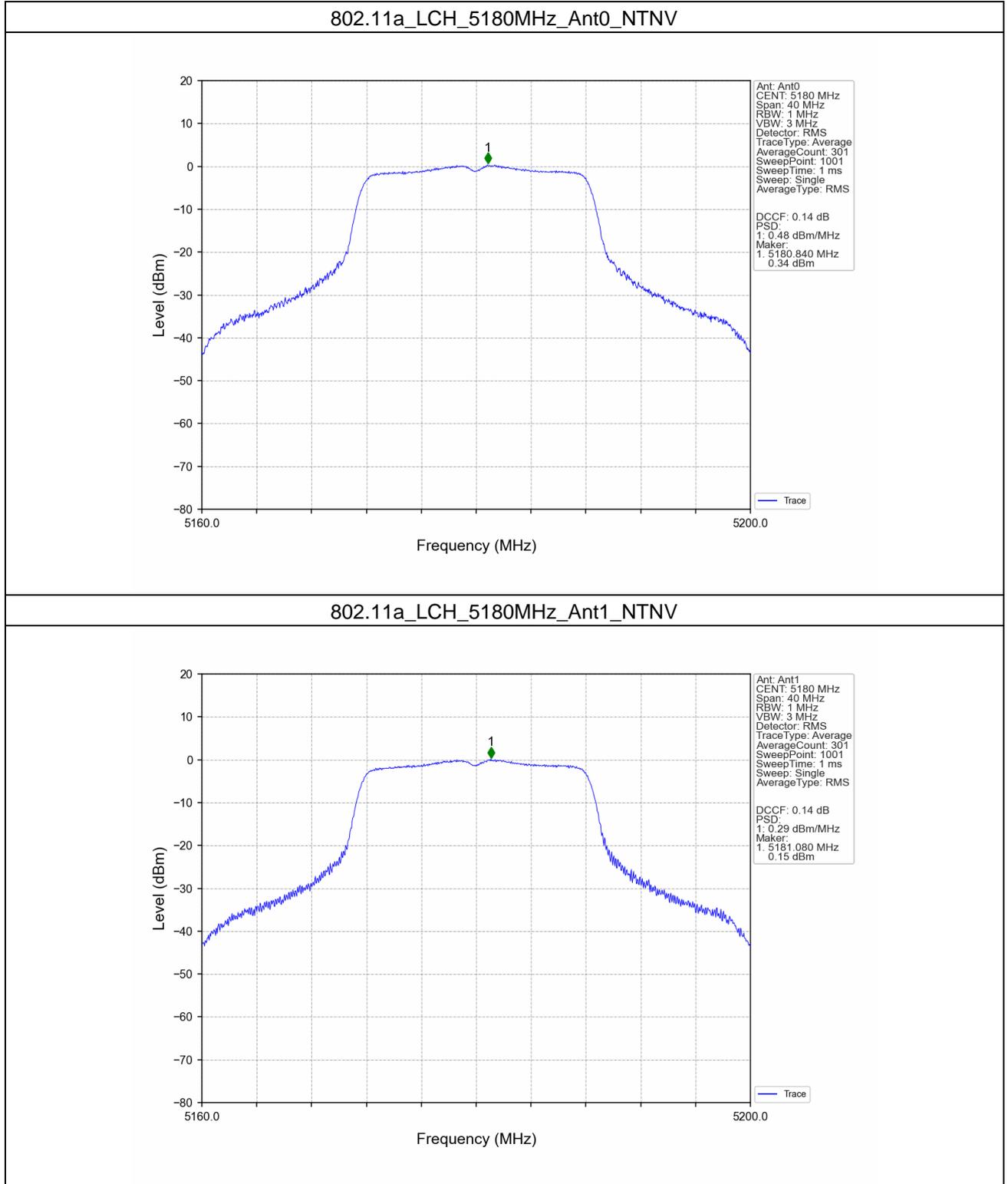


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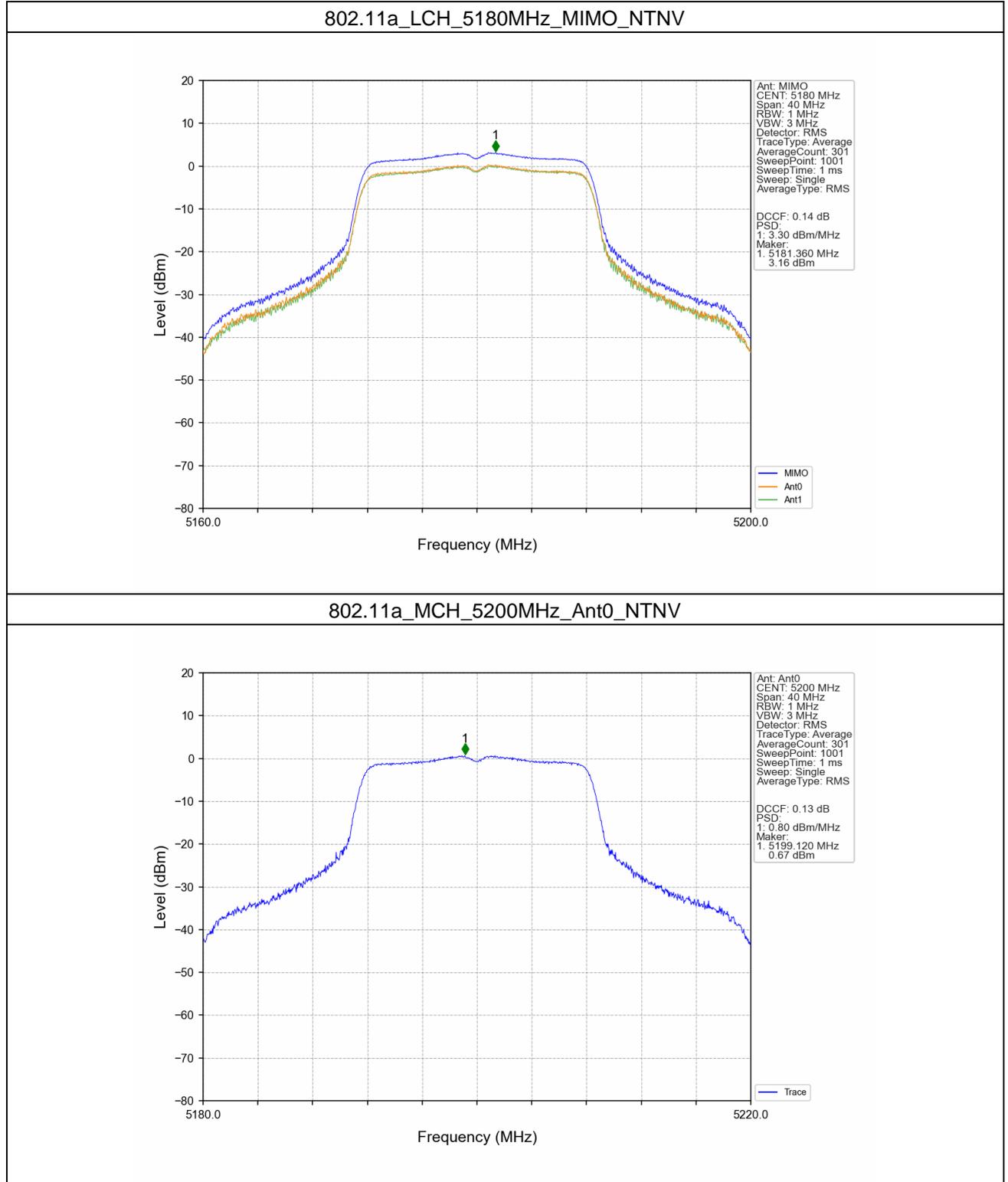
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### 4.2 Test Graph 4.2.1 PSD



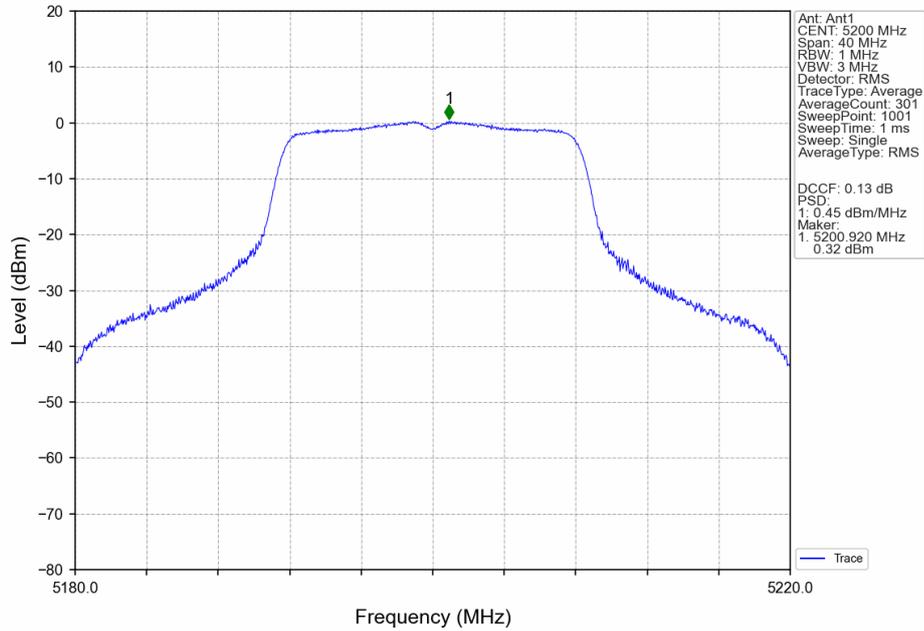
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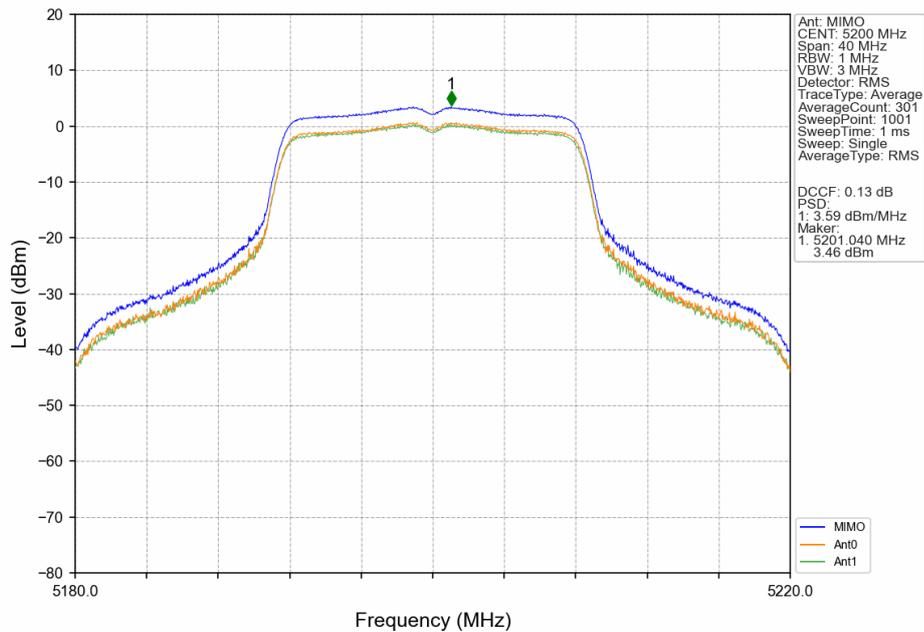
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV

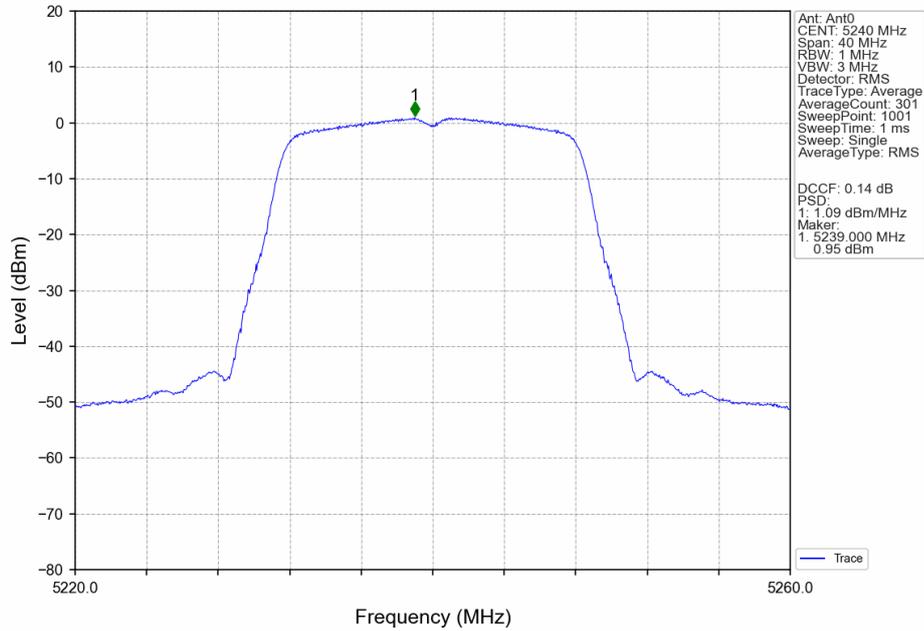


802.11a\_MCH\_5200MHz\_MIMO\_NTNV

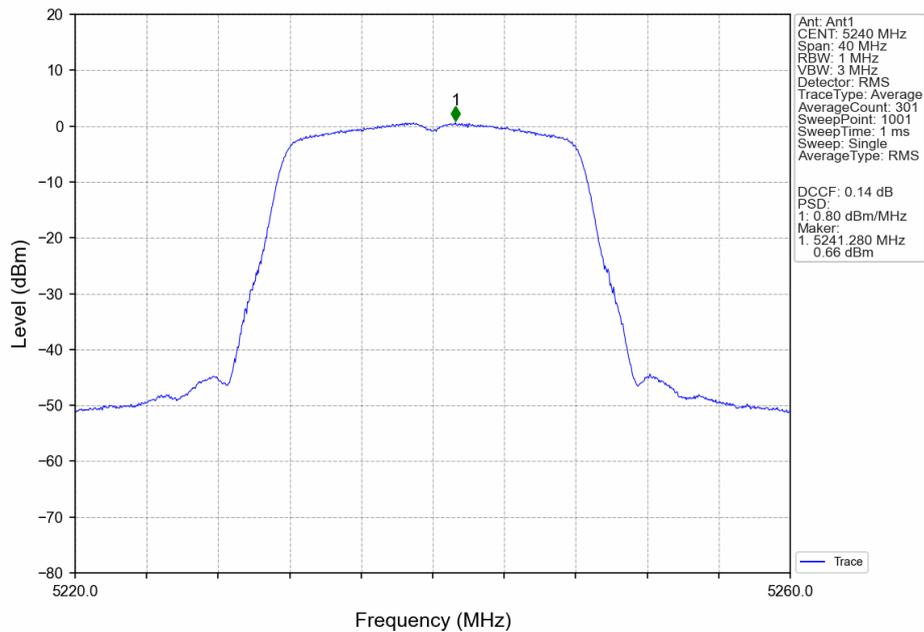


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802.11a\_HCH\_5240MHz\_Ant0\_NTNV

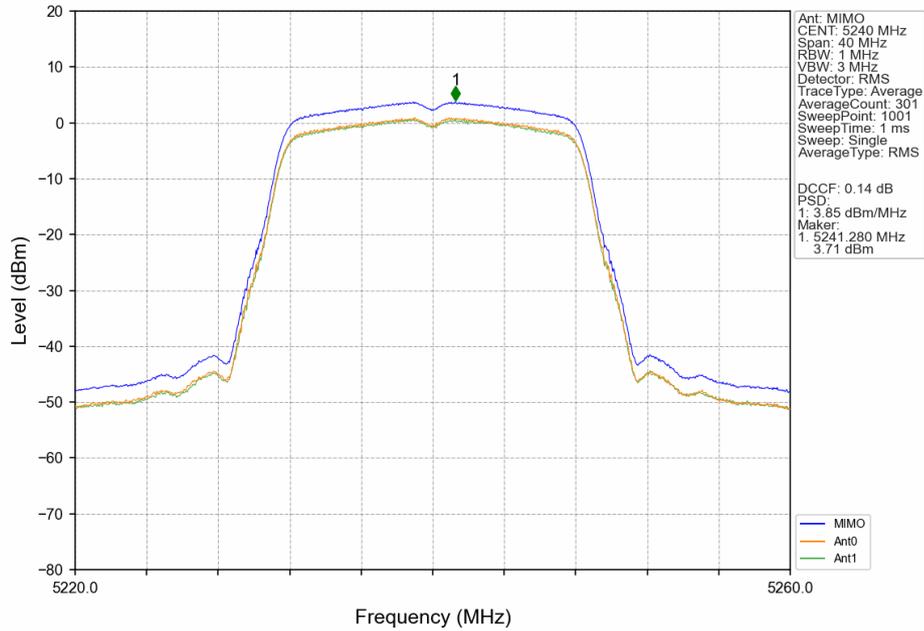


802.11a\_HCH\_5240MHz\_Ant1\_NTNV

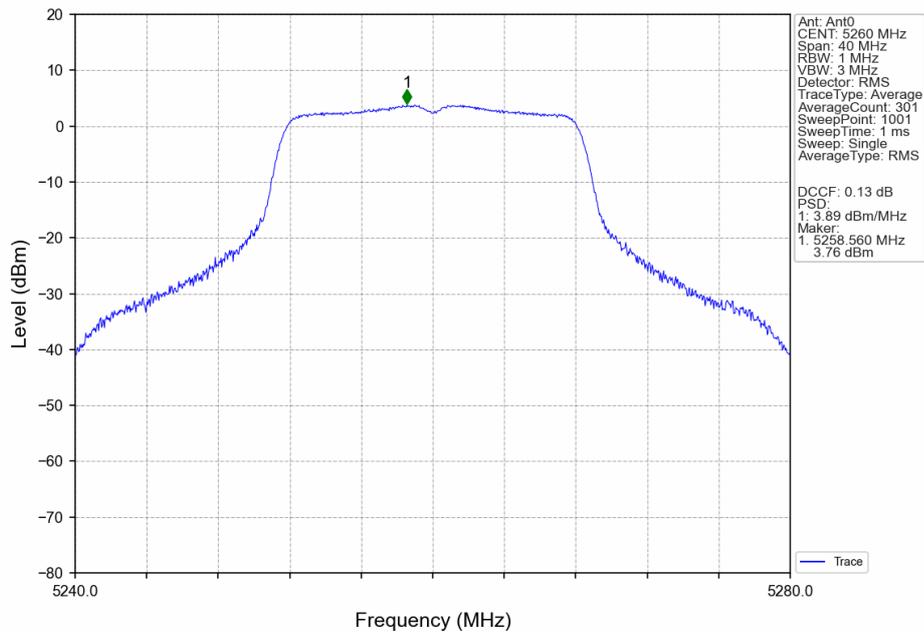


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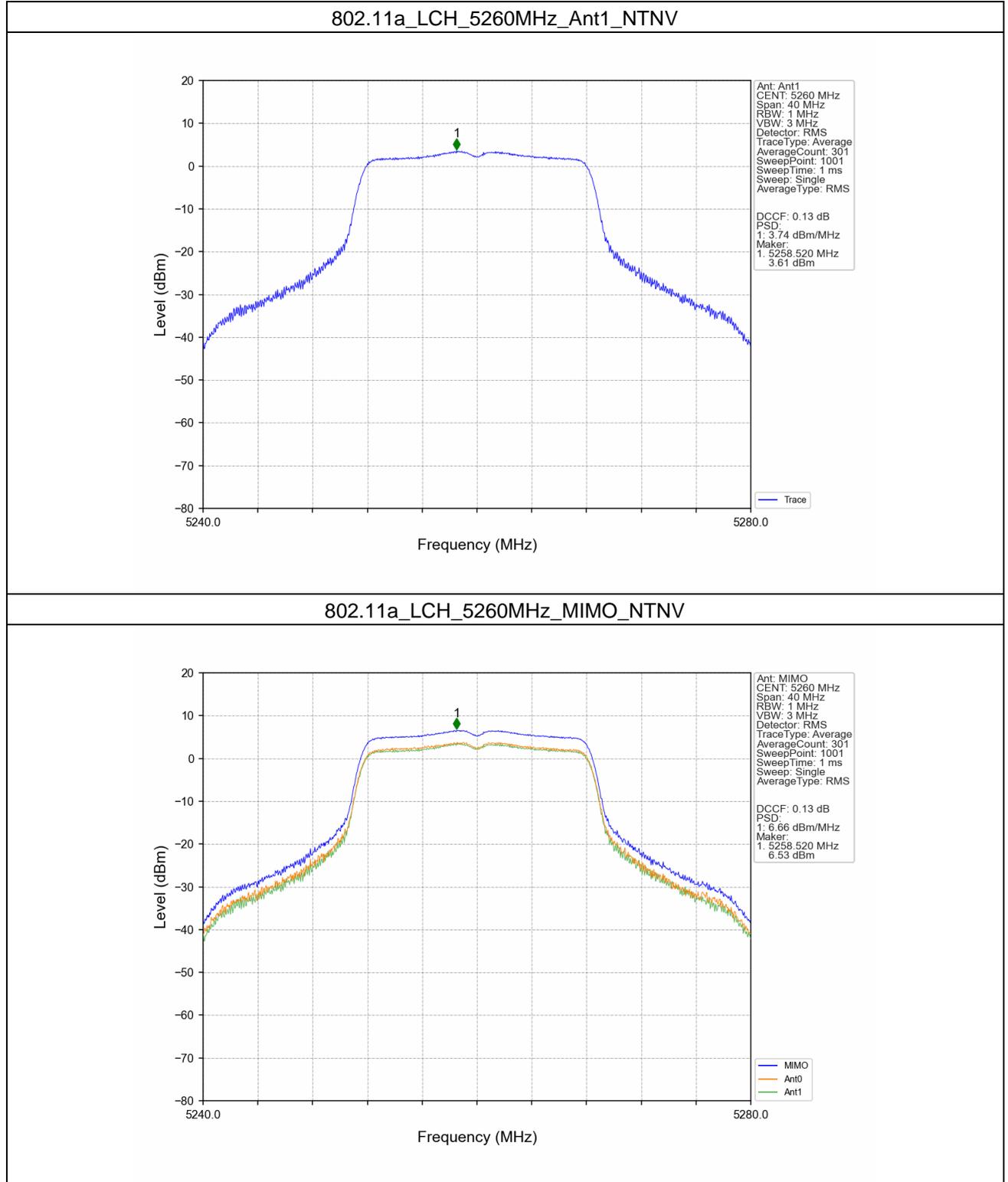
802.11a\_HCH\_5240MHz\_MIMO\_NTNV



802.11a\_LCH\_5260MHz\_Ant0\_NTNV

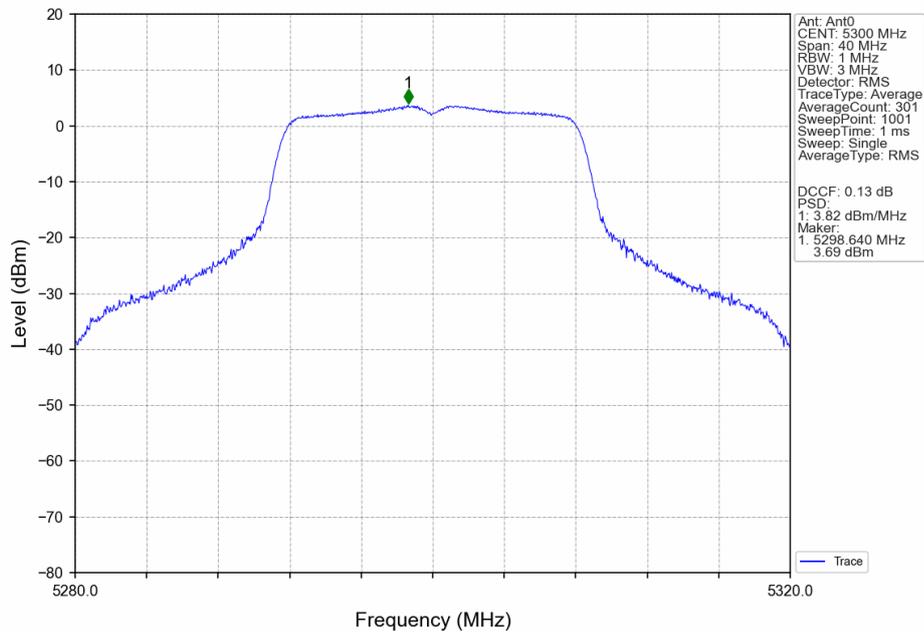


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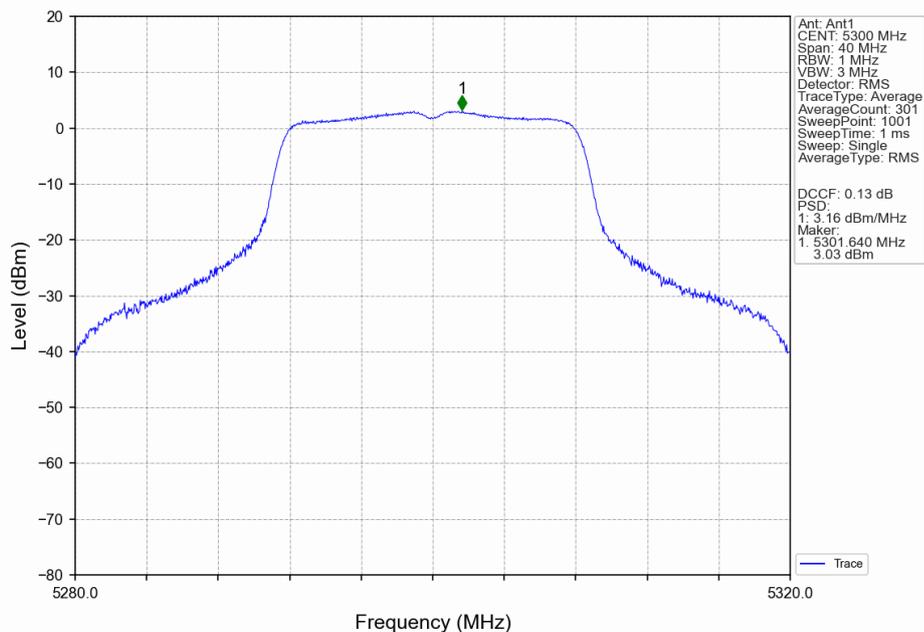


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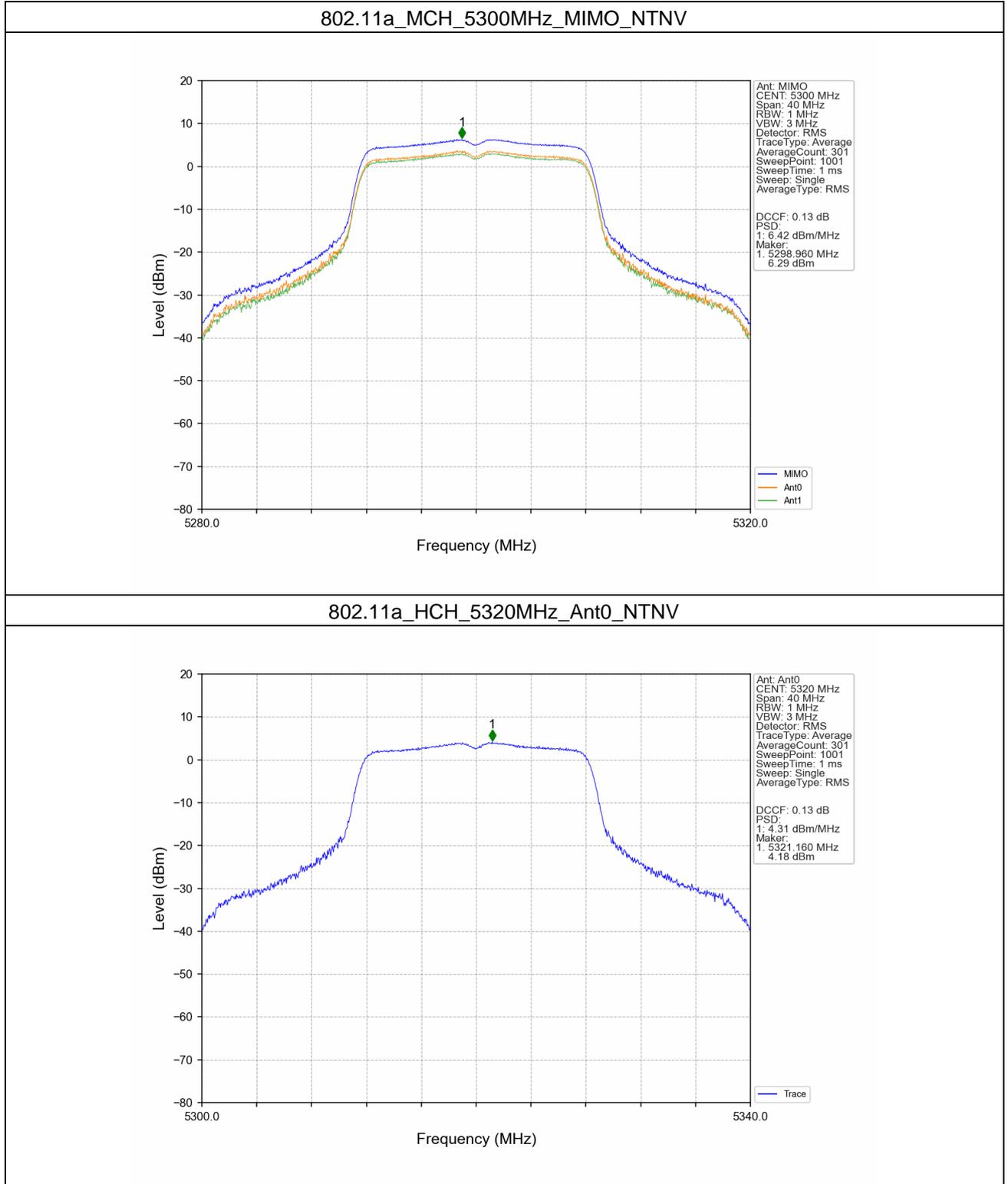
802.11a\_MCH\_5300MHz\_Ant0\_NTNV



802.11a\_MCH\_5300MHz\_Ant1\_NTNV

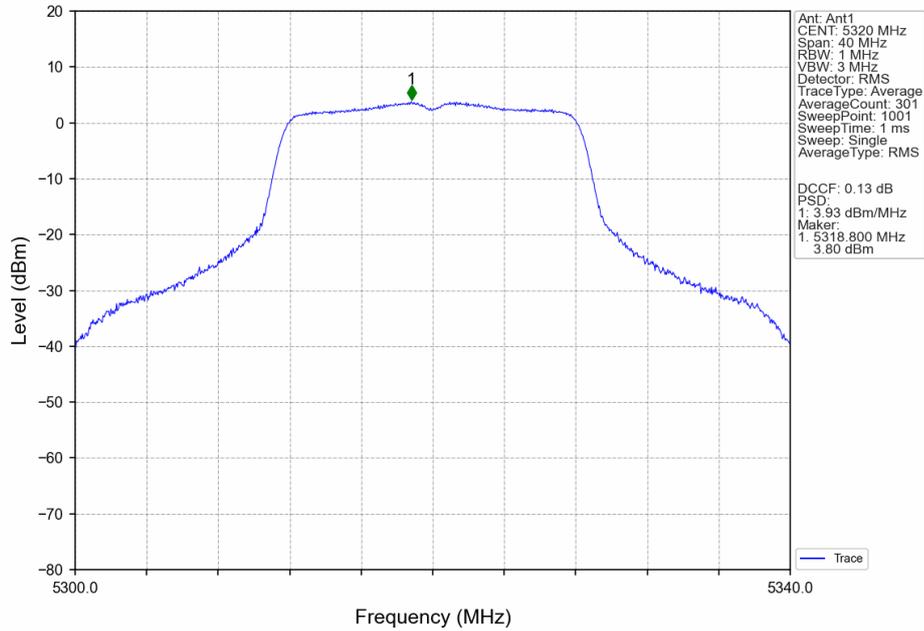


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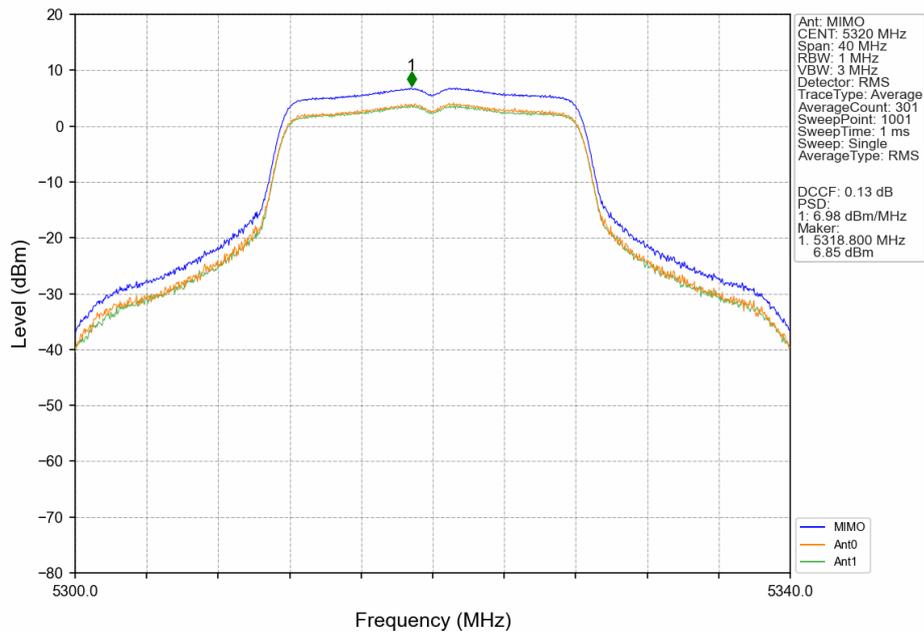


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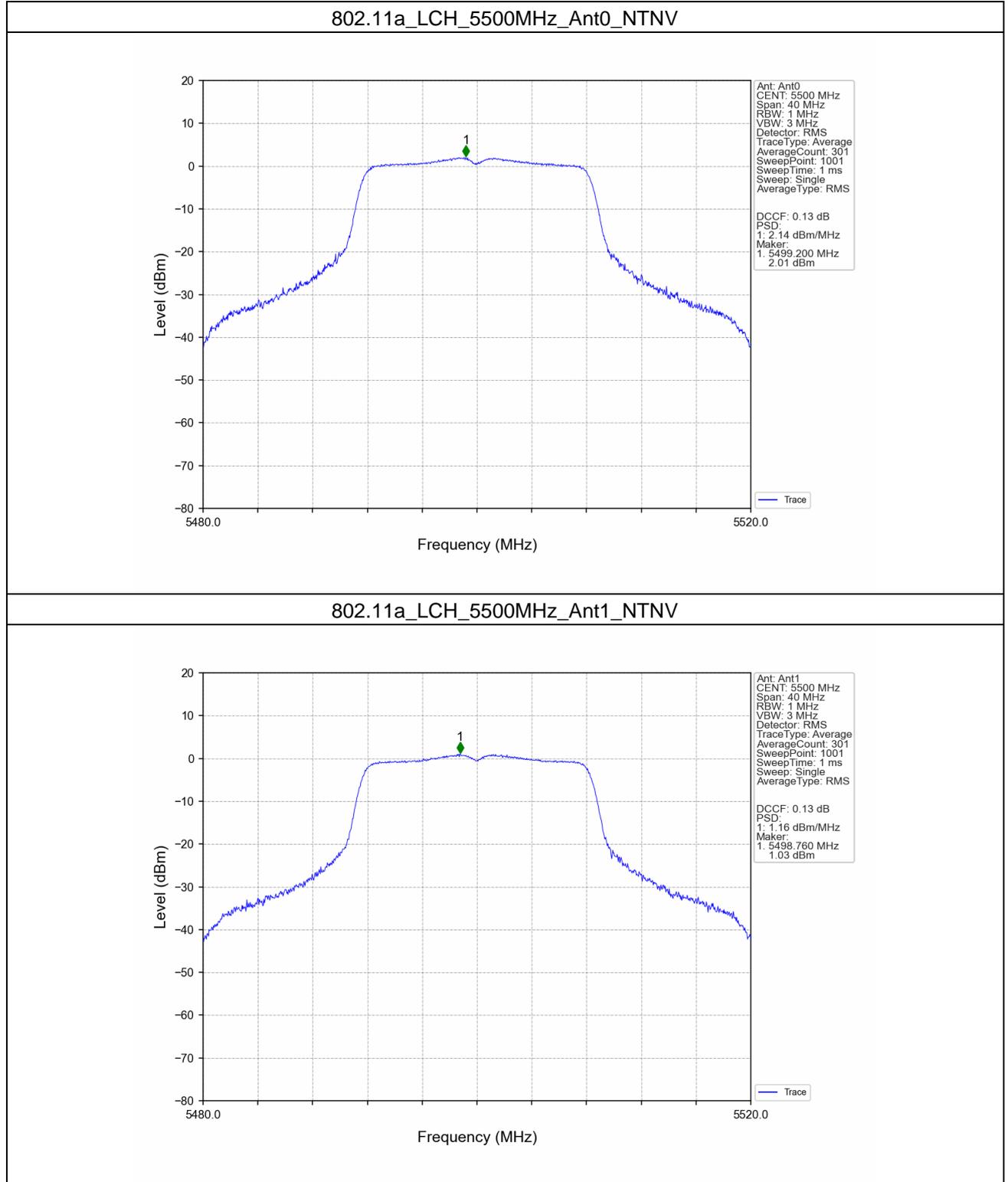
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_MIMO\_NTNV

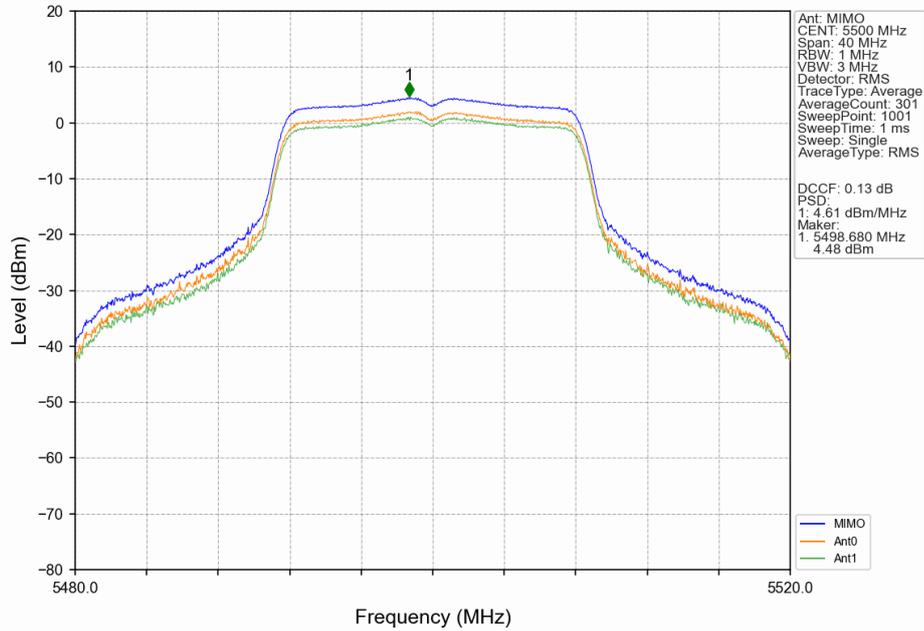


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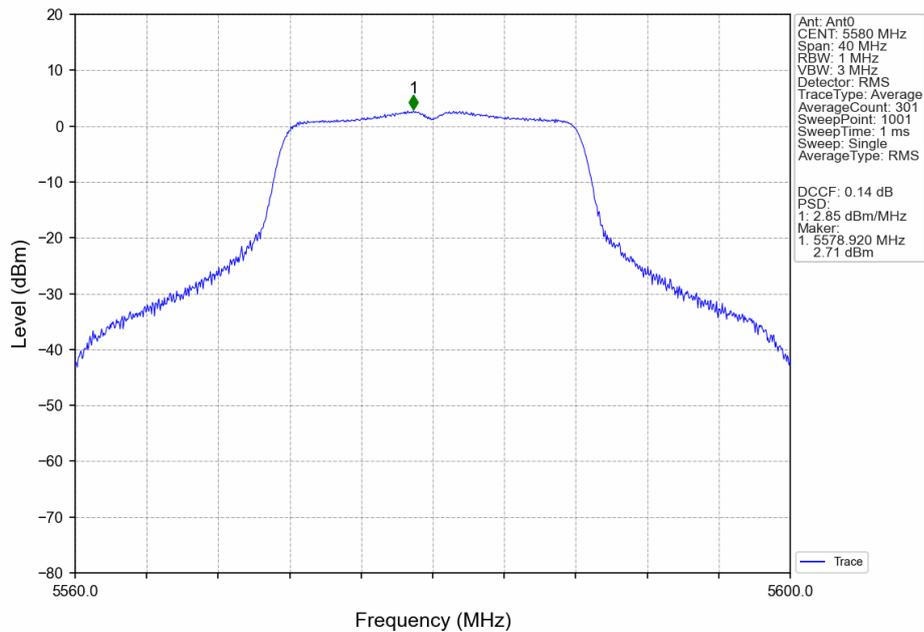


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802.11a\_LCH\_5500MHz\_MIMO\_NTNV

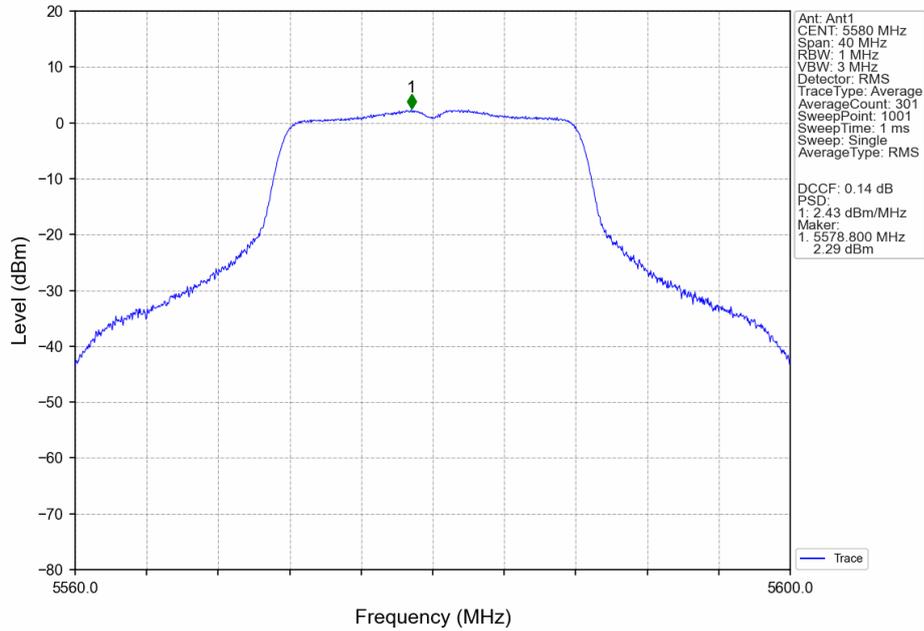


802.11a\_MCH\_5580MHz\_Ant0\_NTNV

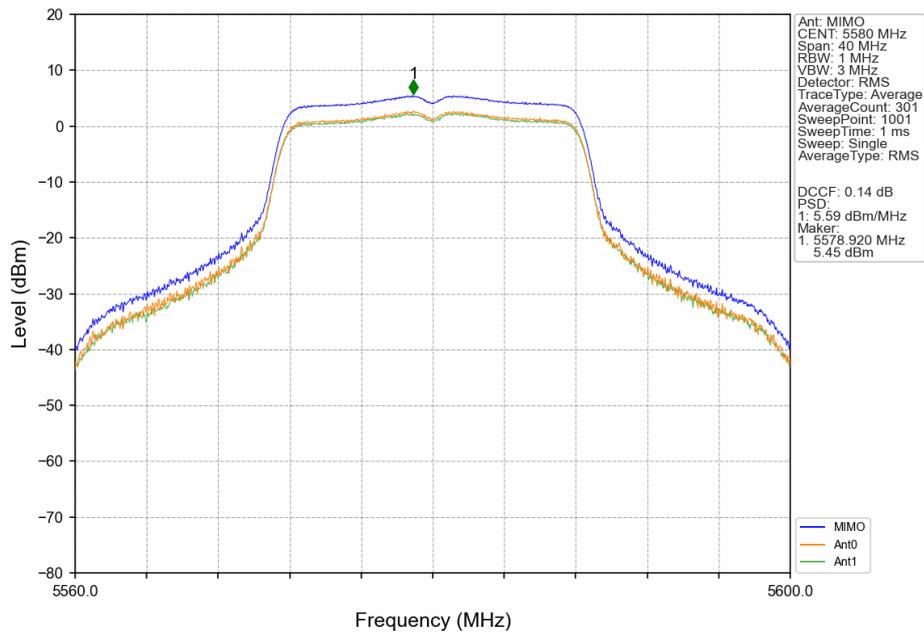


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802.11a\_MCH\_5580MHz\_Ant1\_NTNV

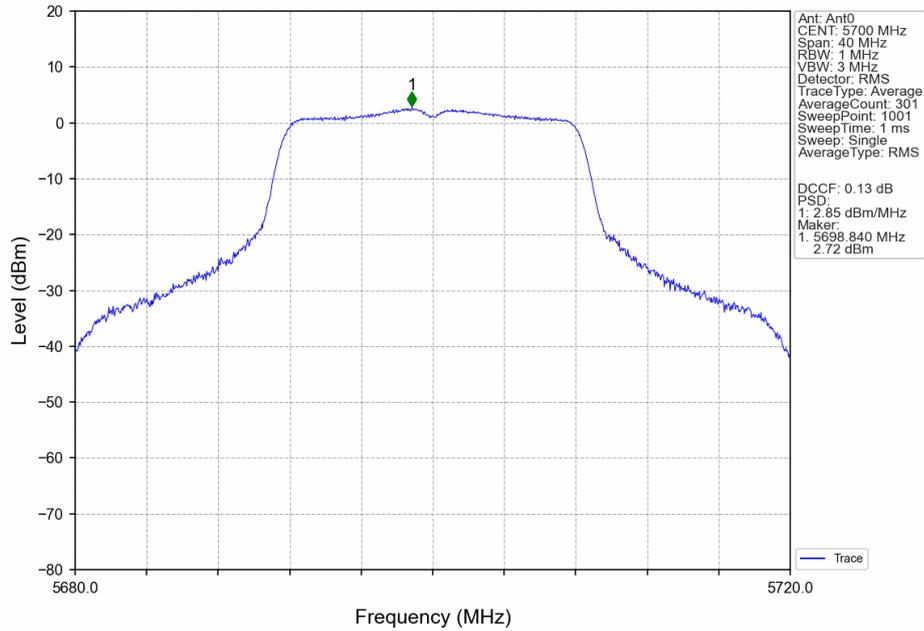


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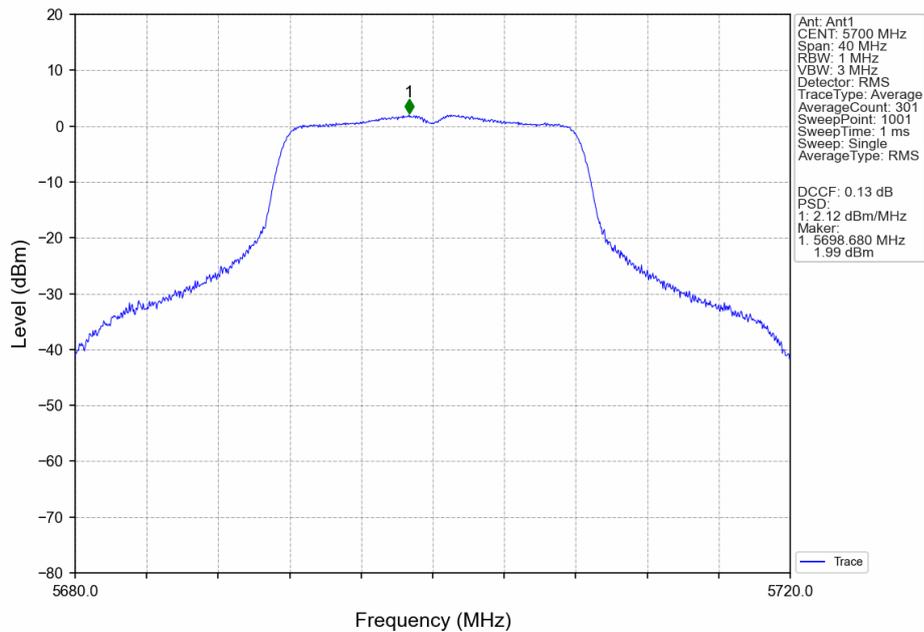


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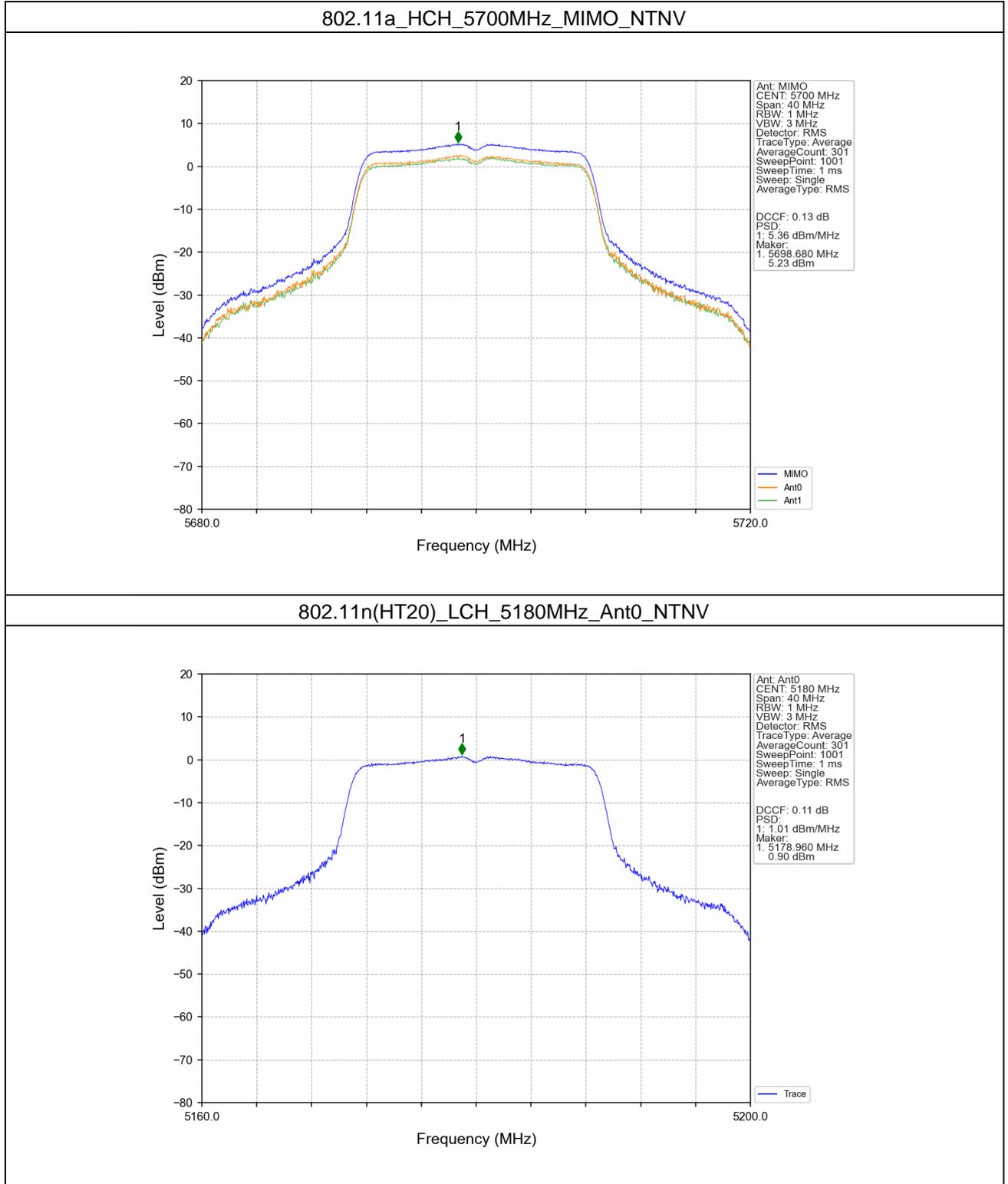
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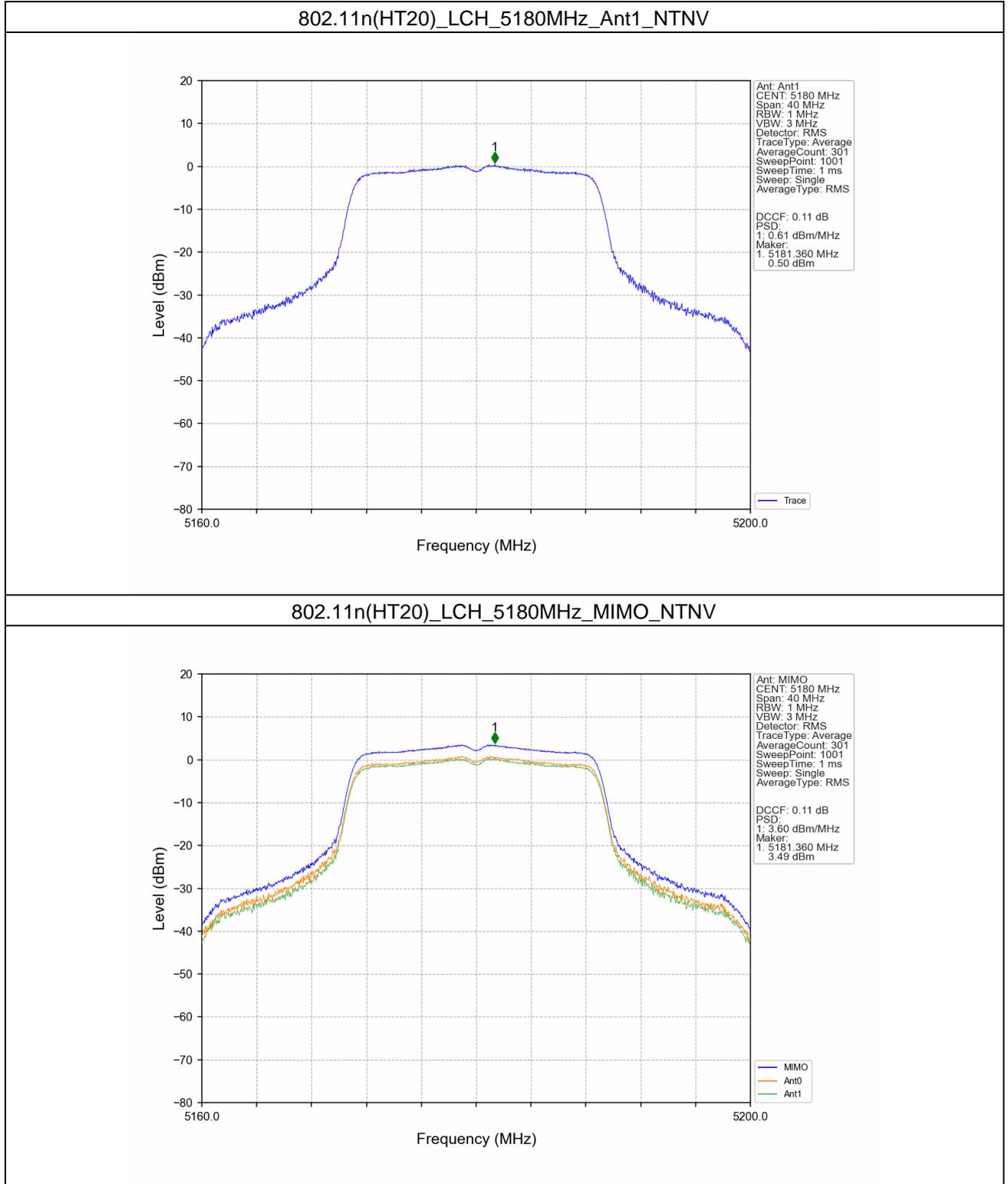
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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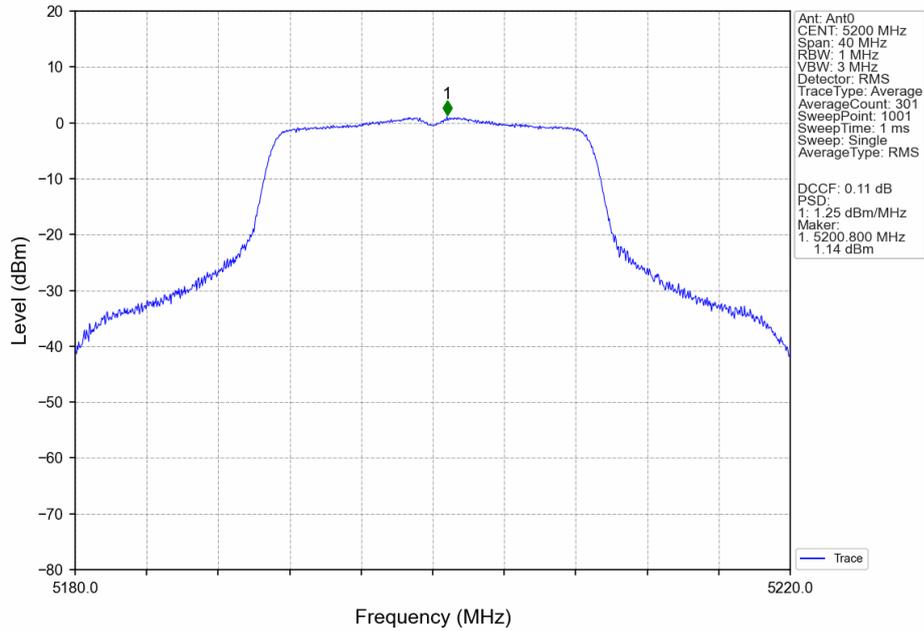


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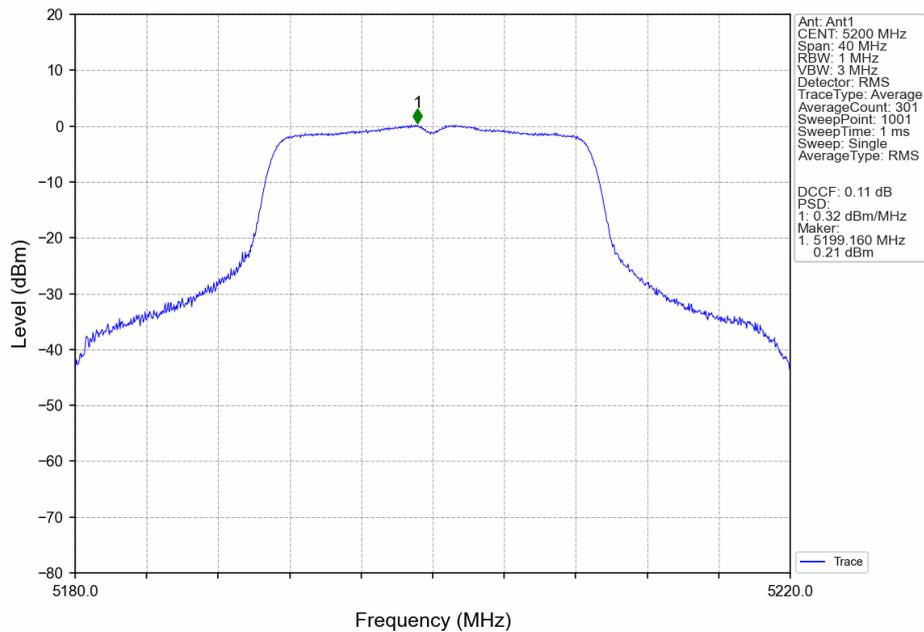


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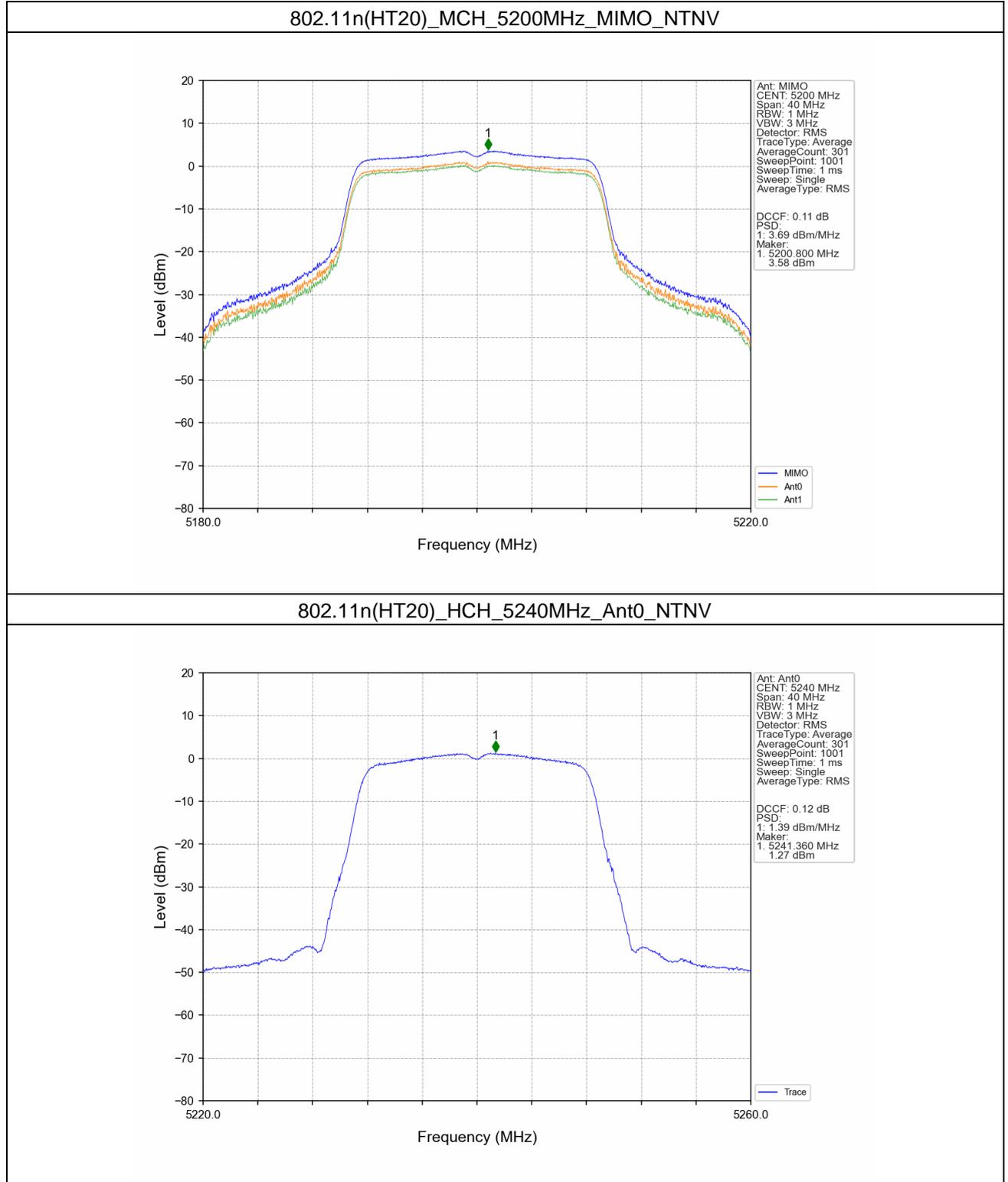
802.11n(HT20)\_MCH\_5200MHz\_Ant0\_NTNV



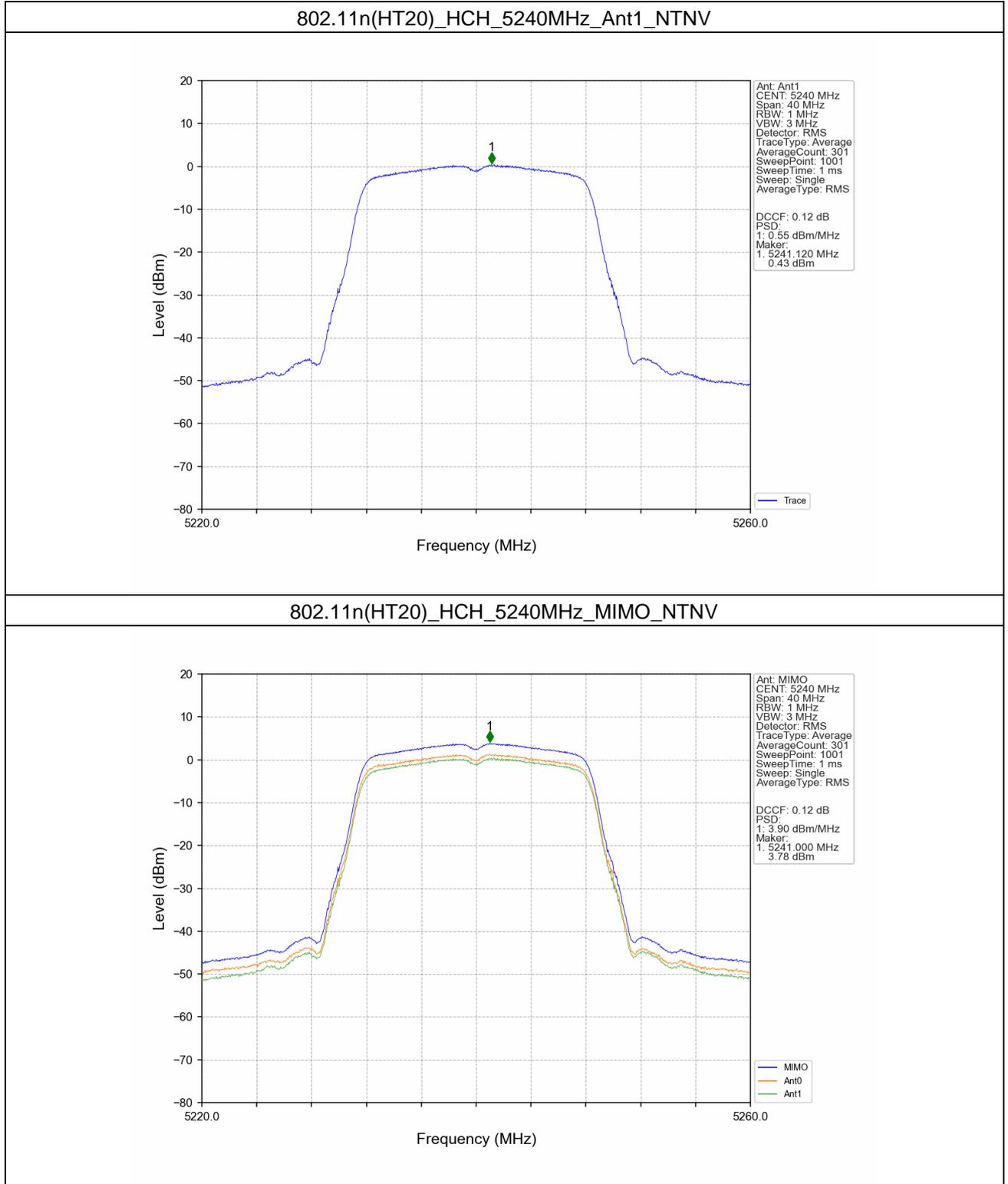
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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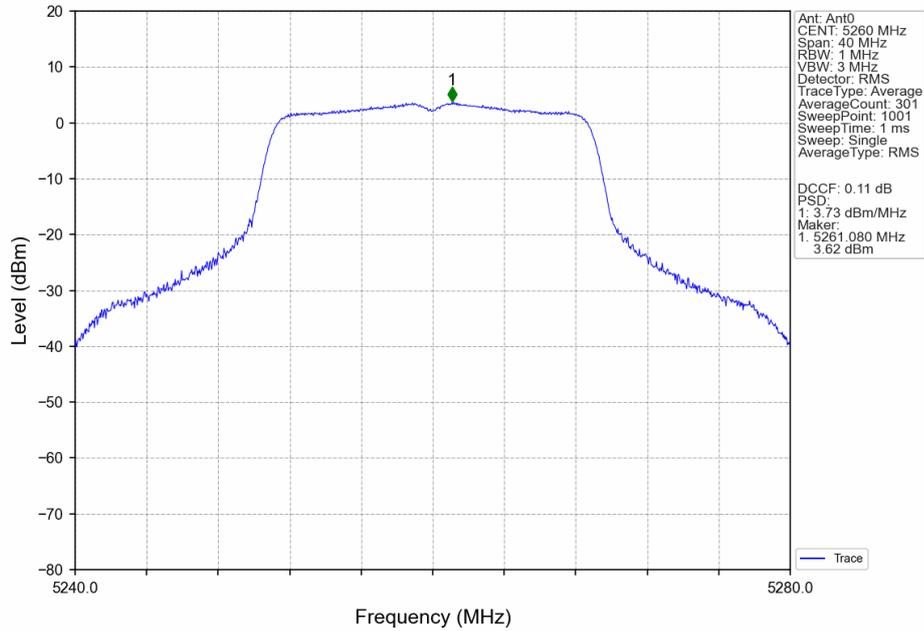


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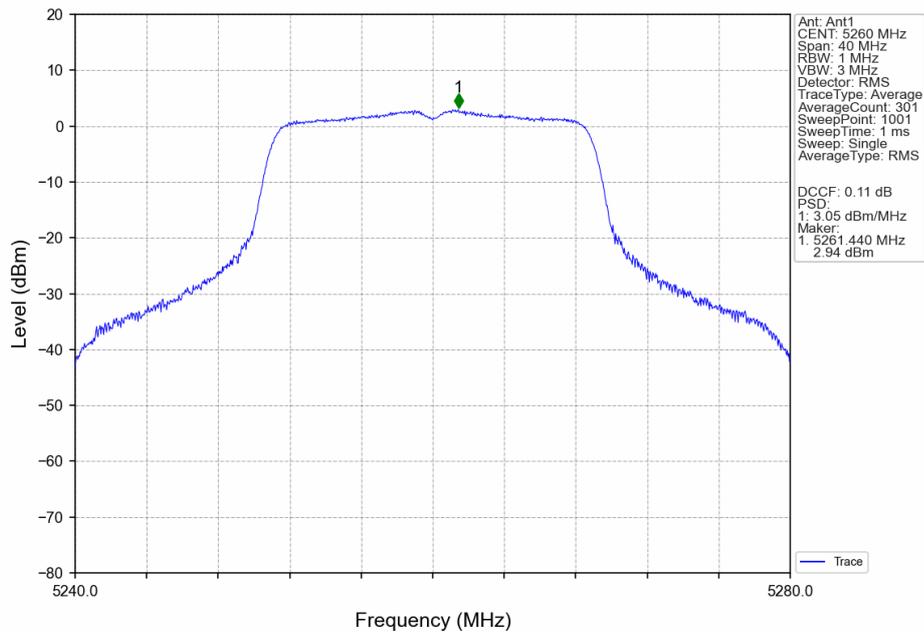


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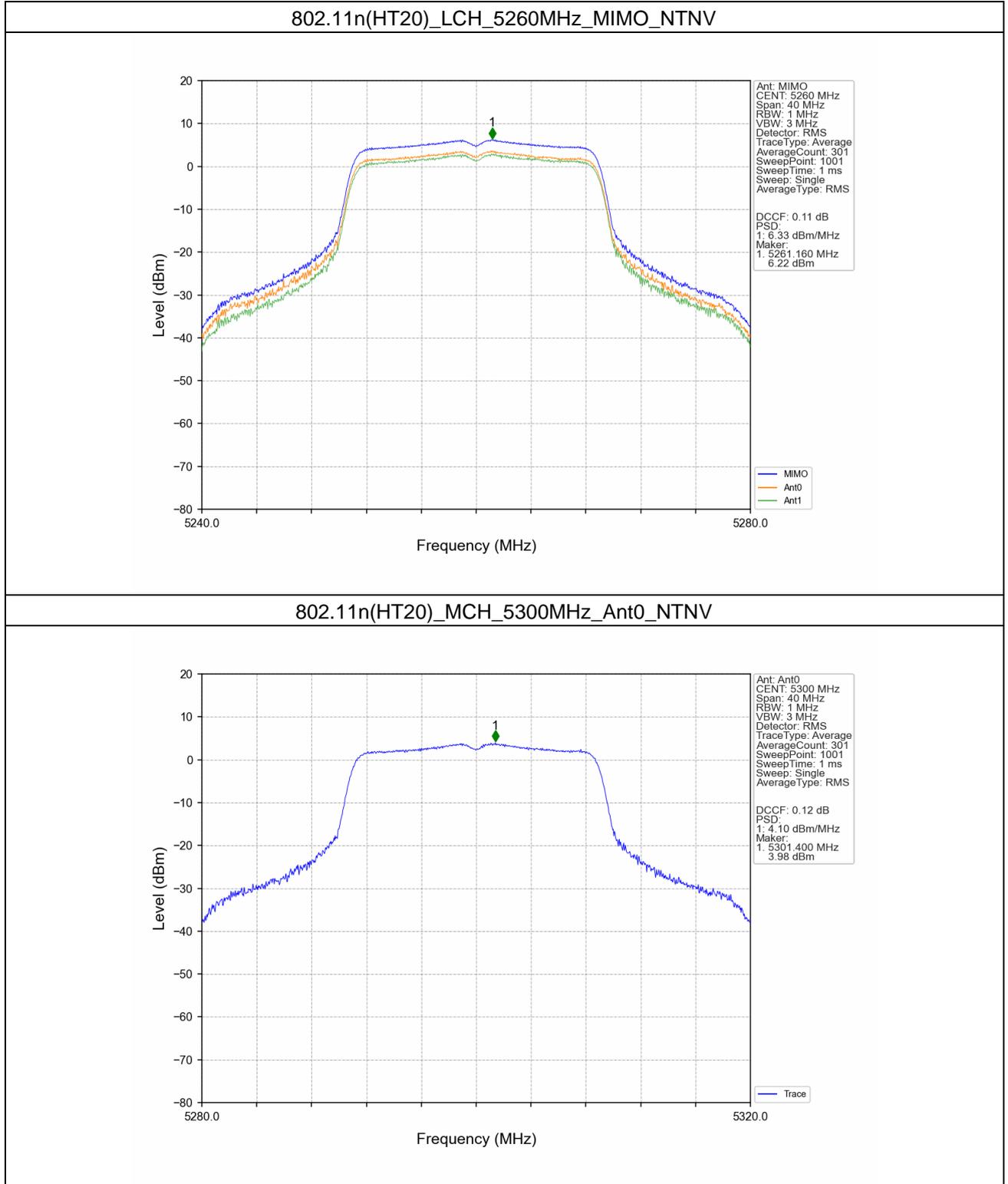
802.11n(HT20)\_LCH\_5260MHz\_Ant0\_NTNV



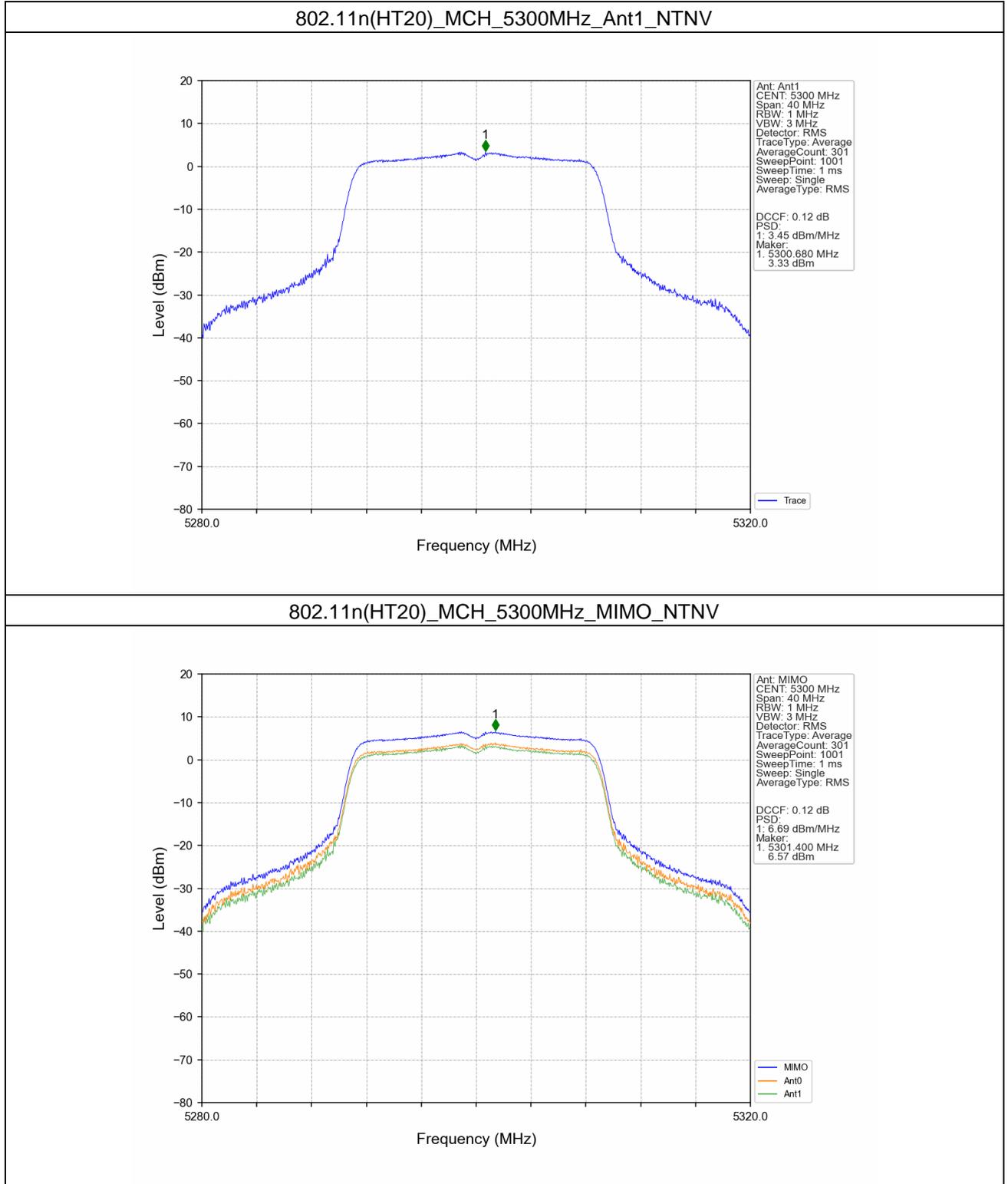
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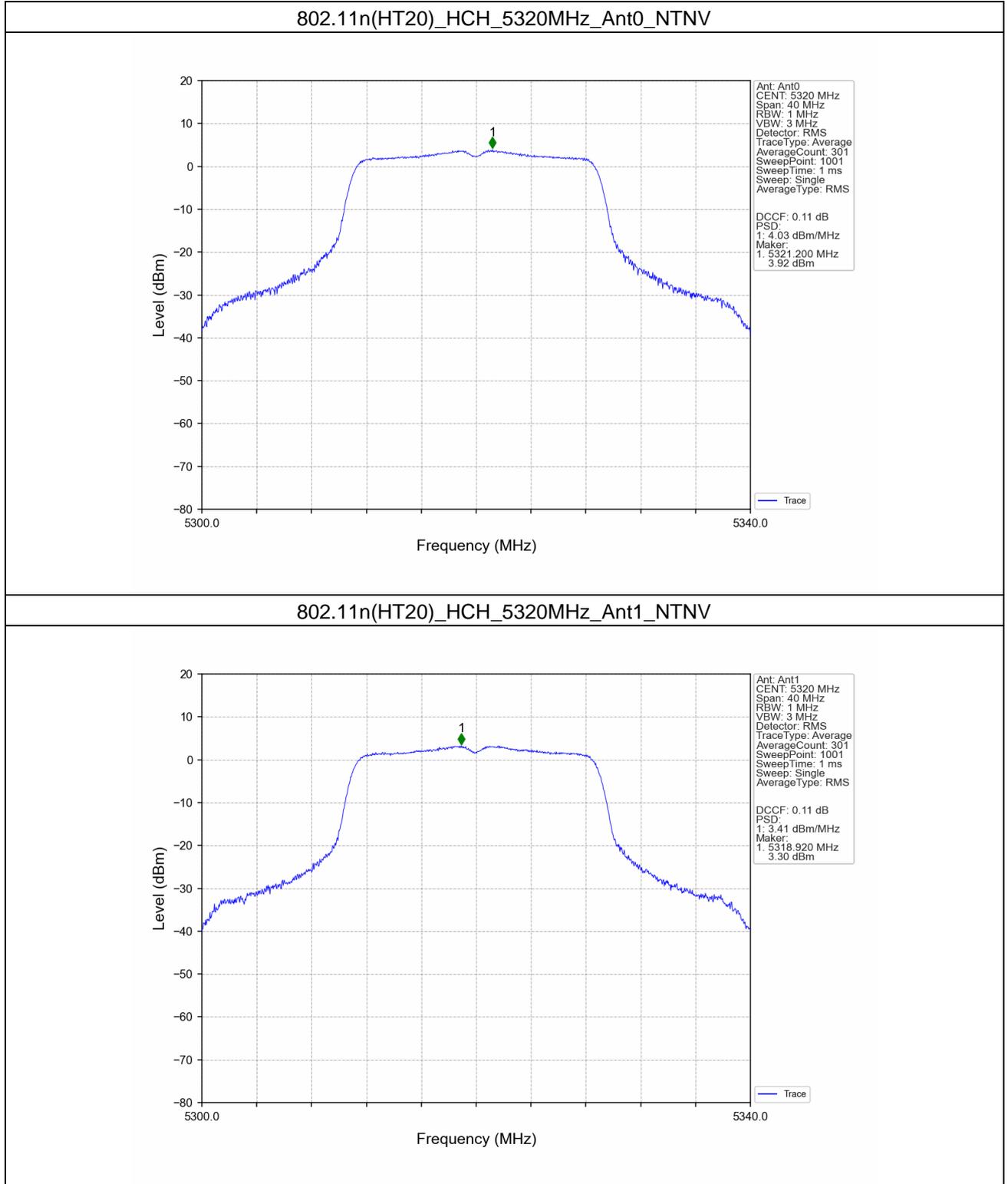
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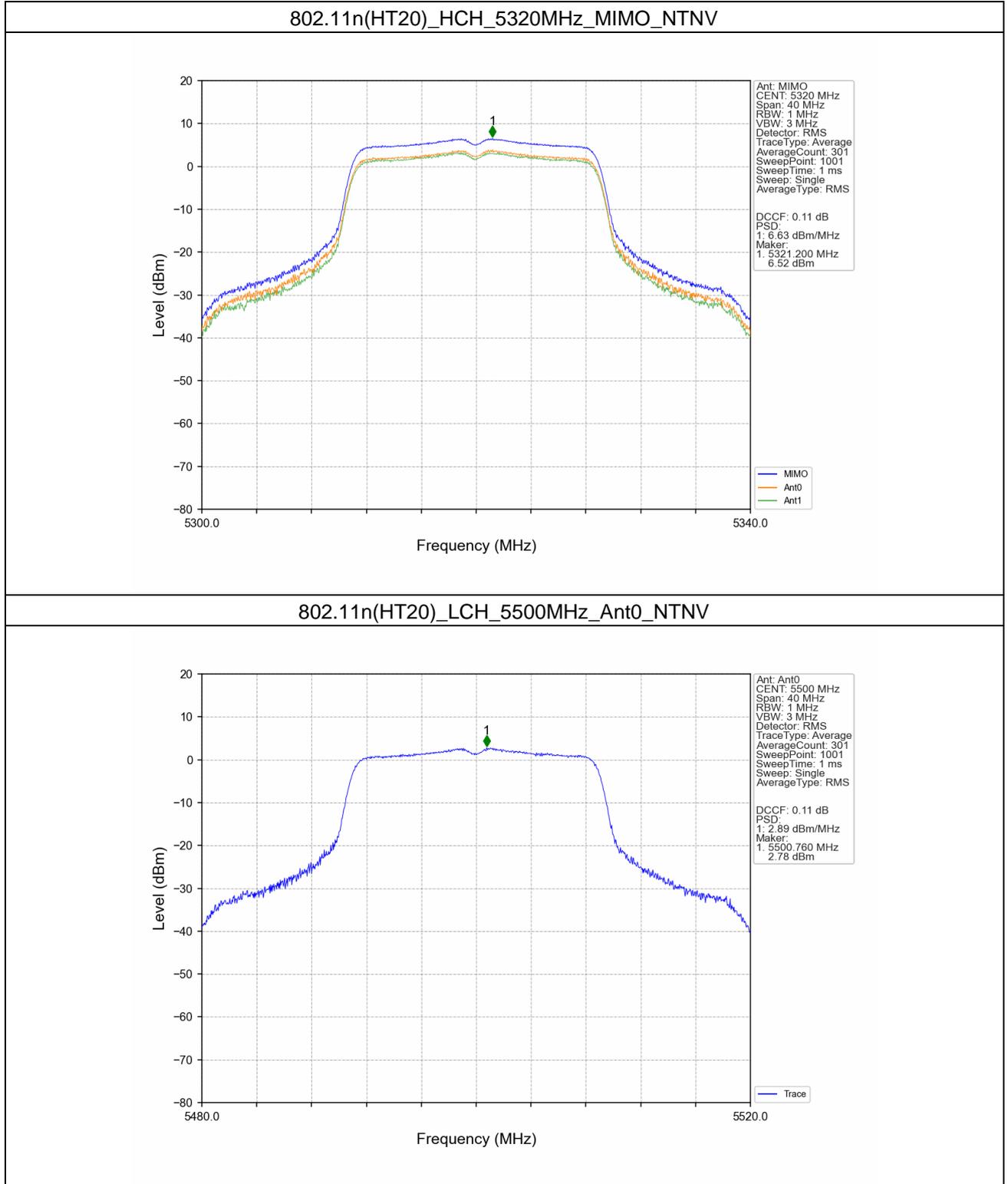
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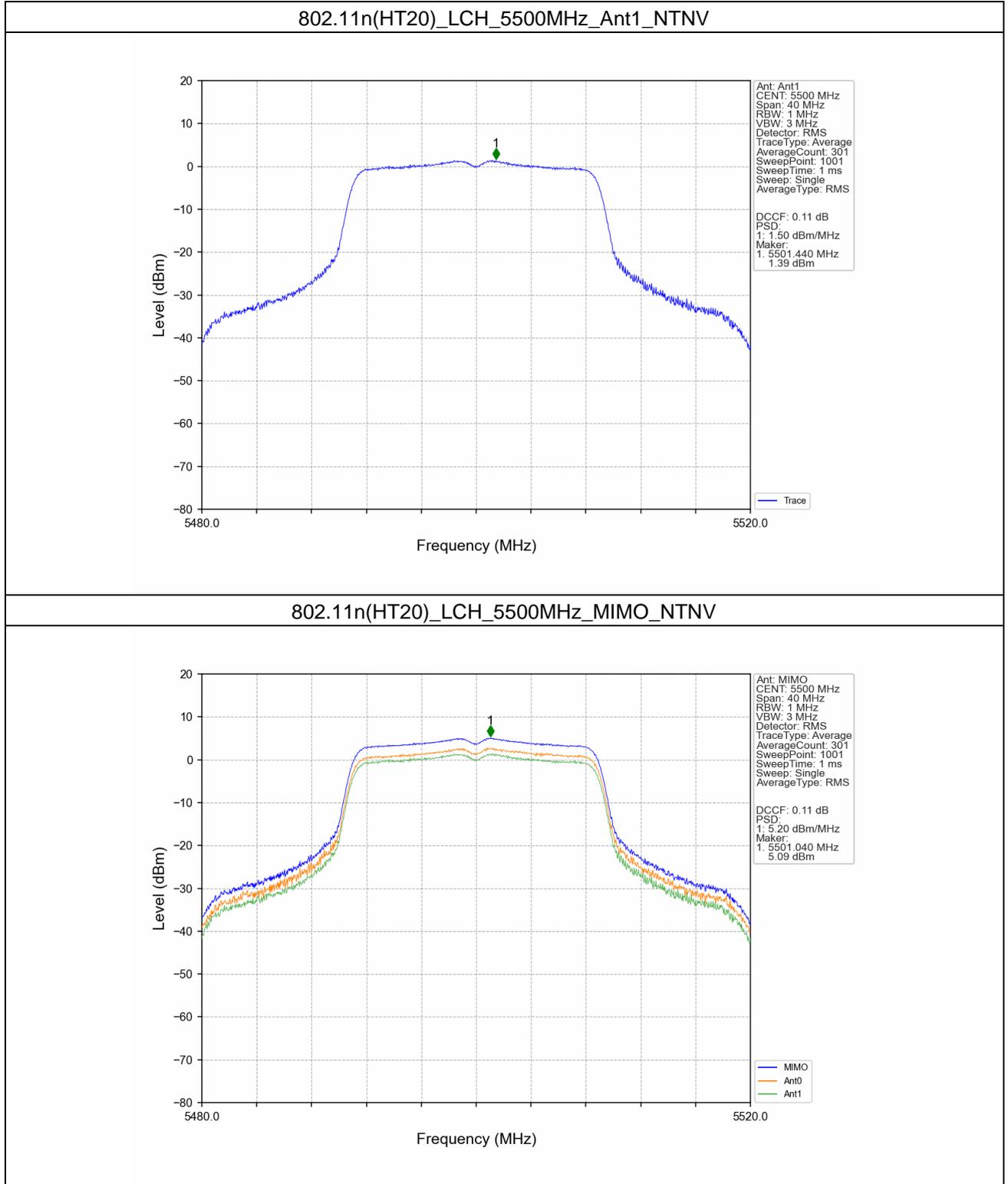
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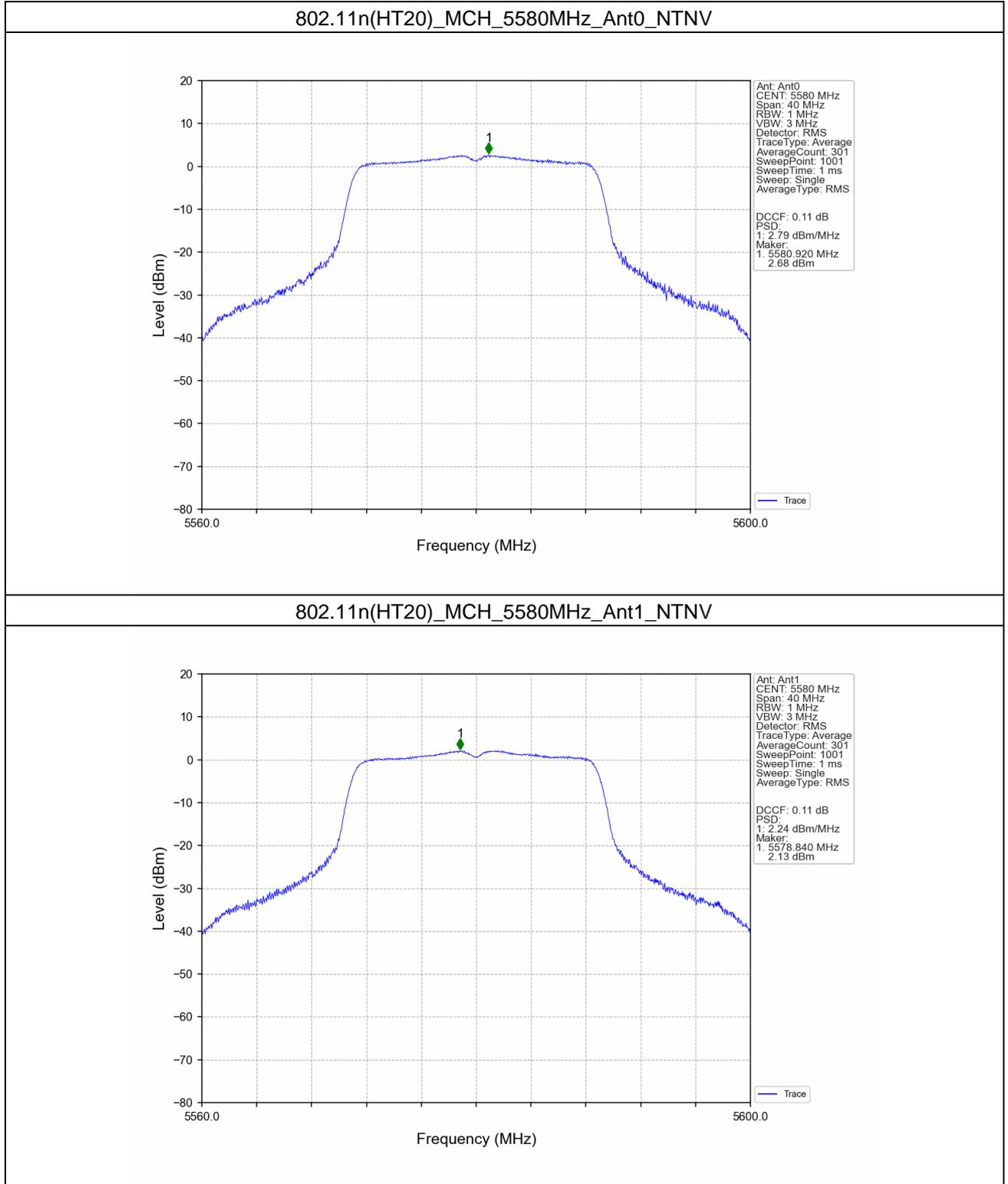
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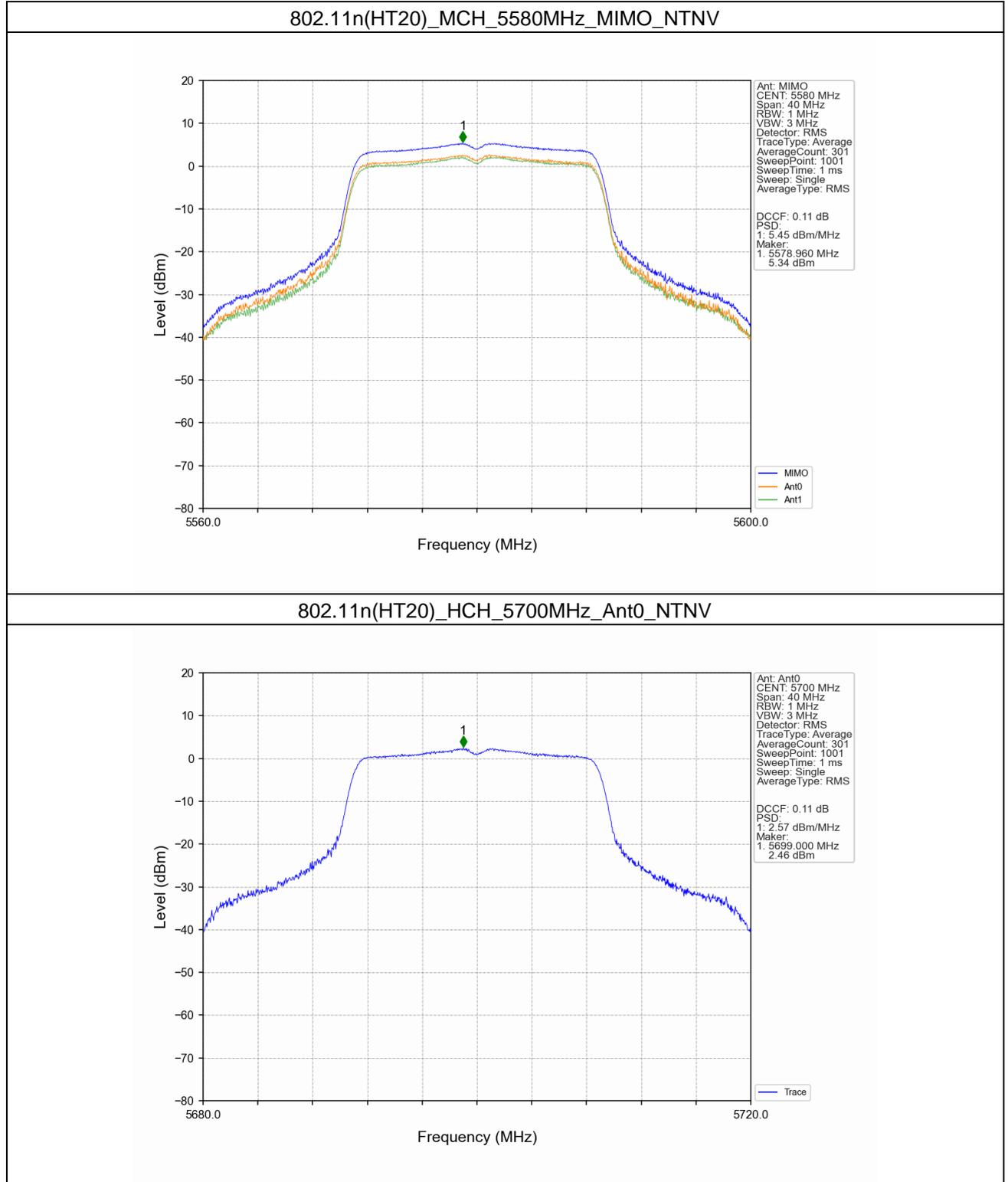
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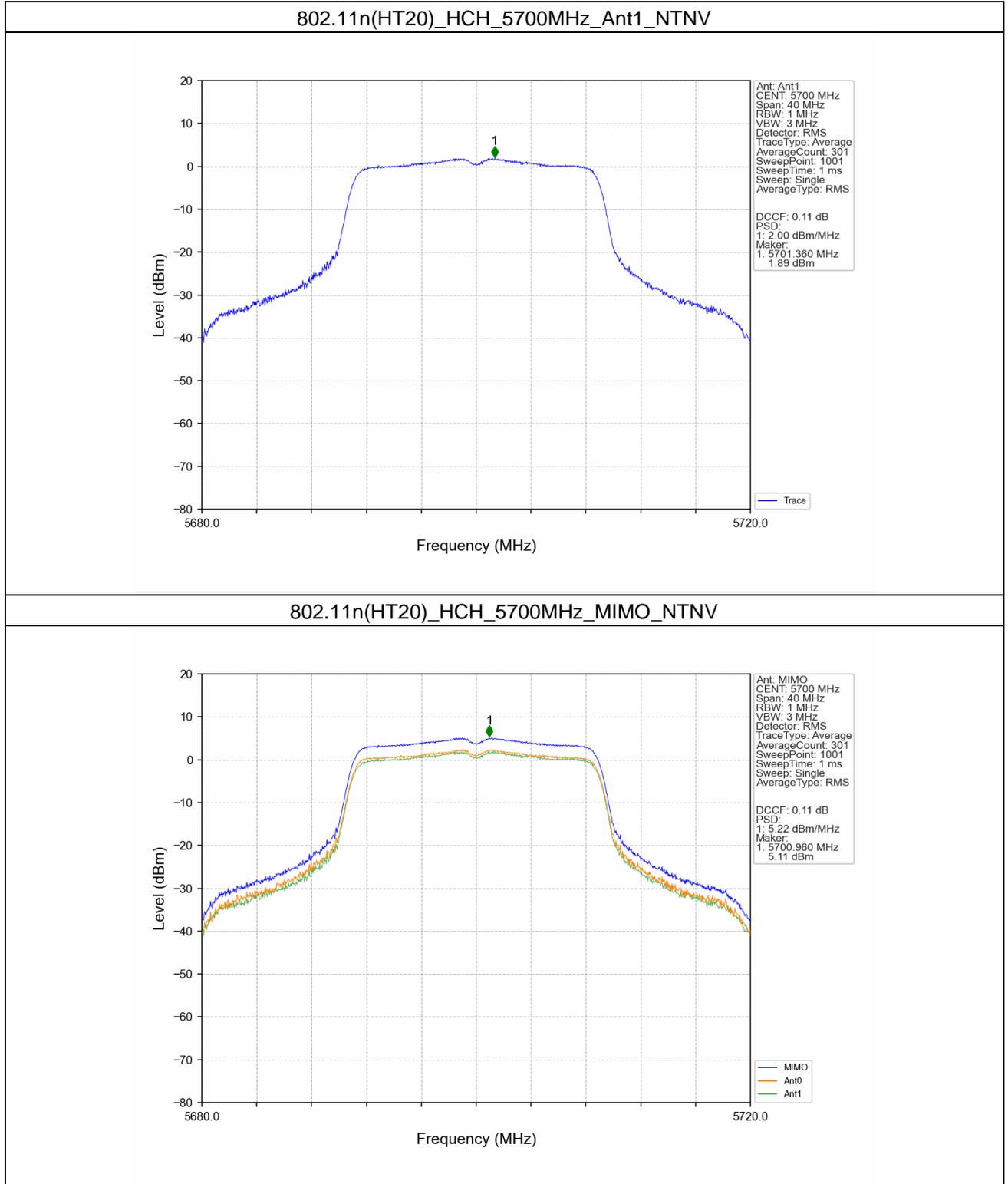
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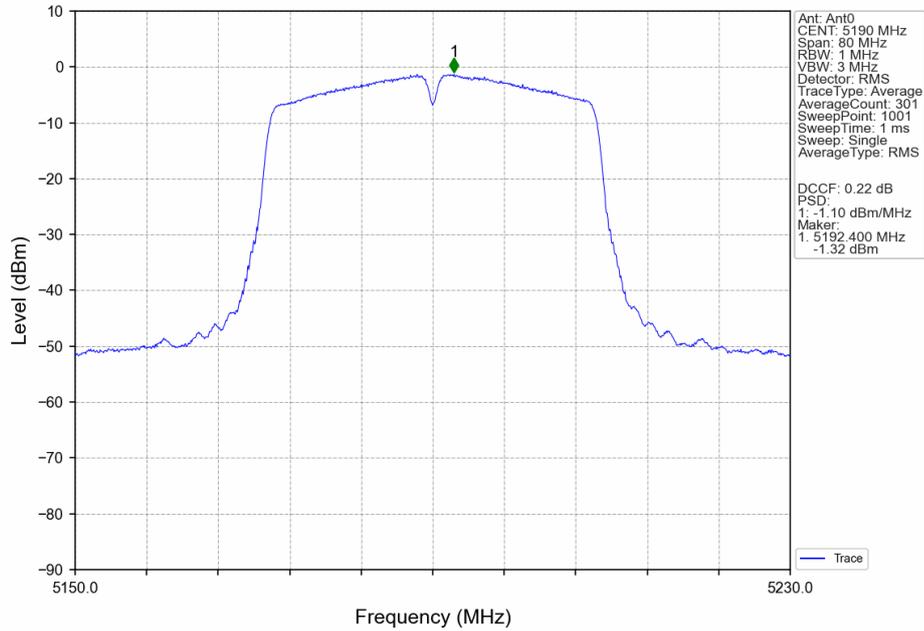


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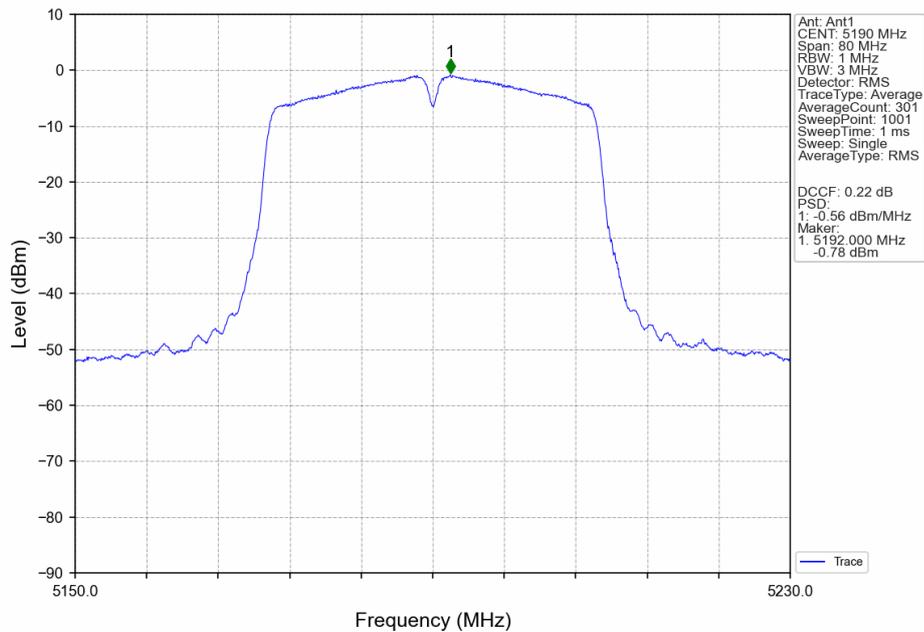


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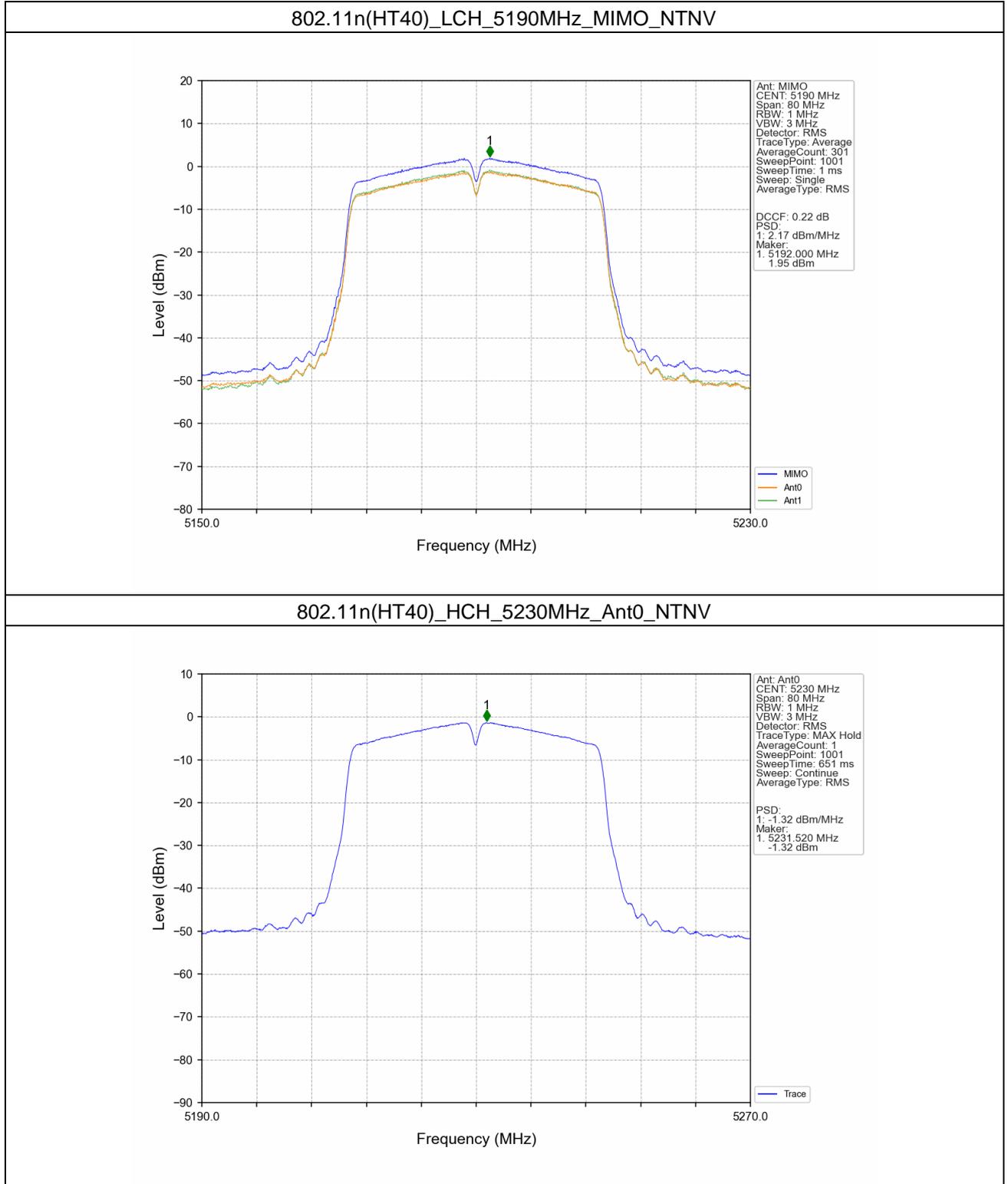
802.11n(HT40)\_LCH\_5190MHz\_Ant0\_NTNV



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

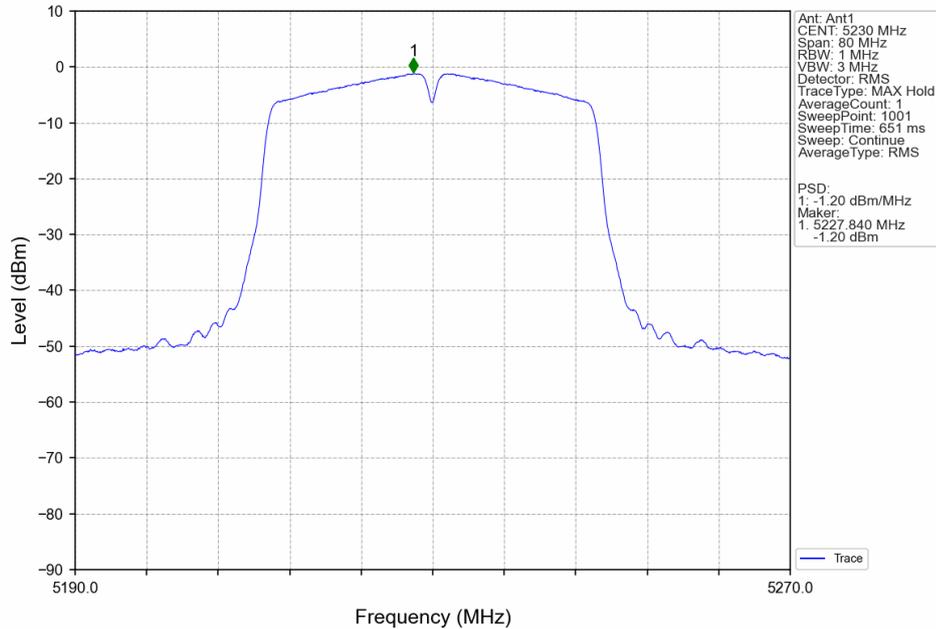


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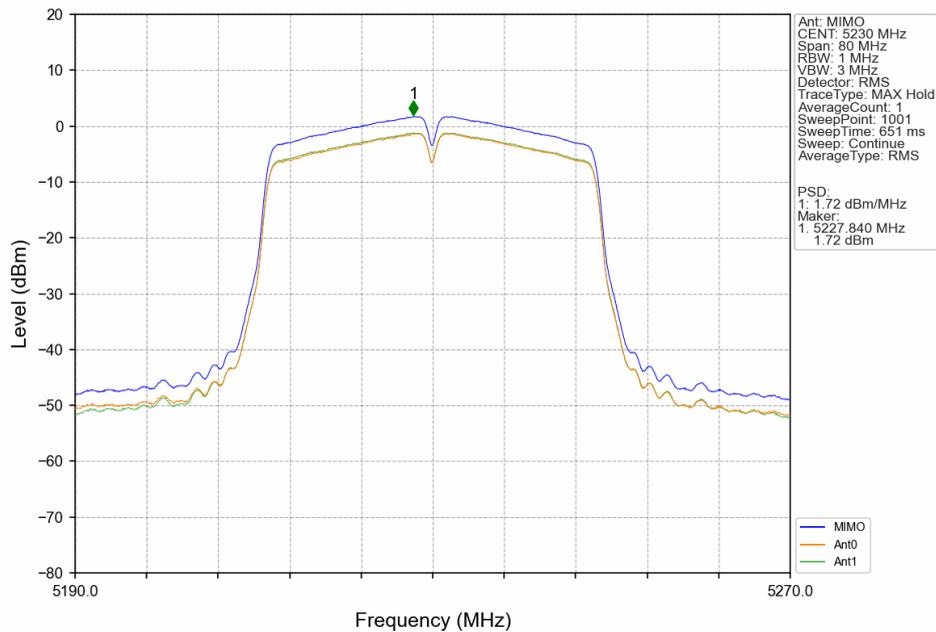


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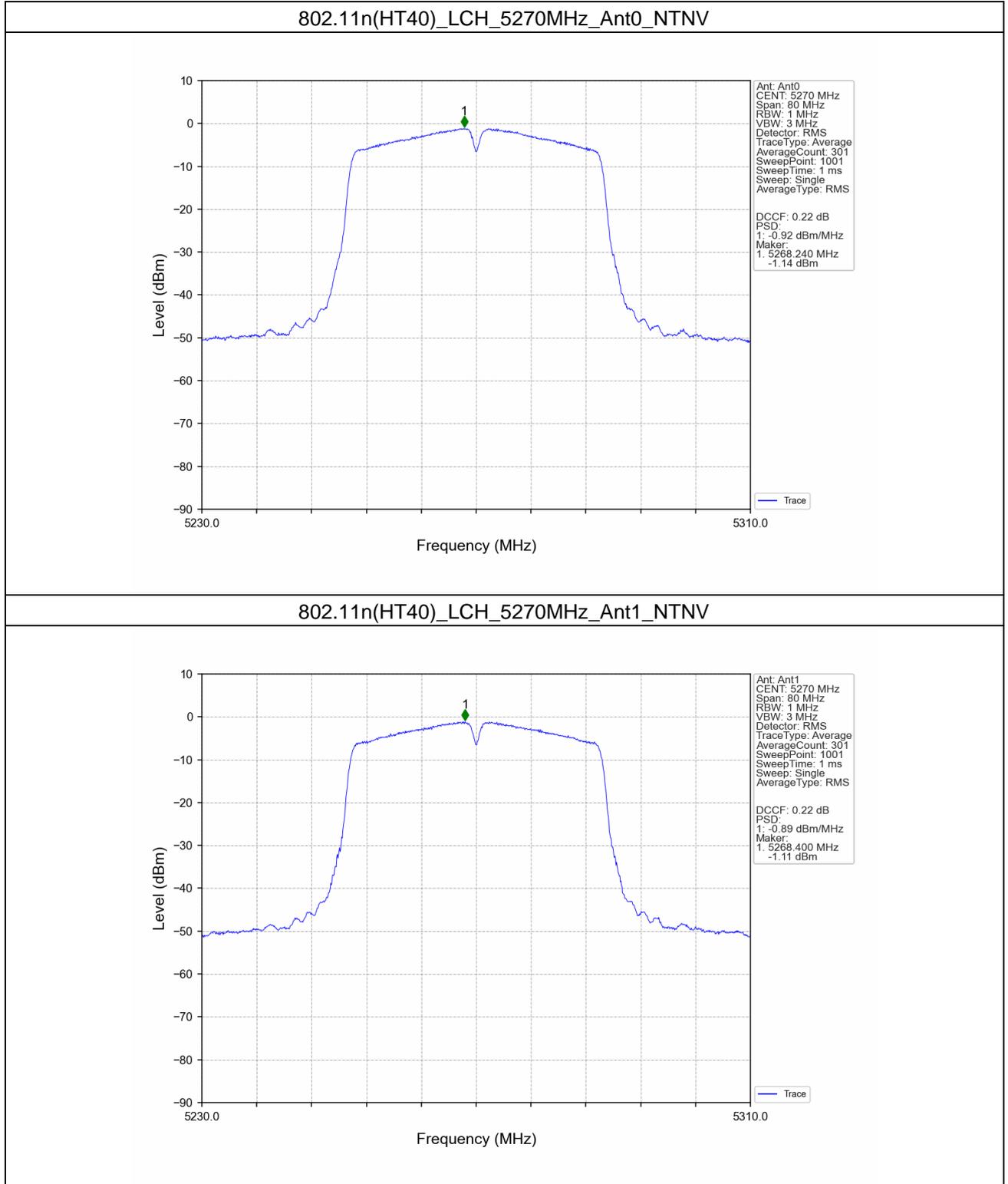
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



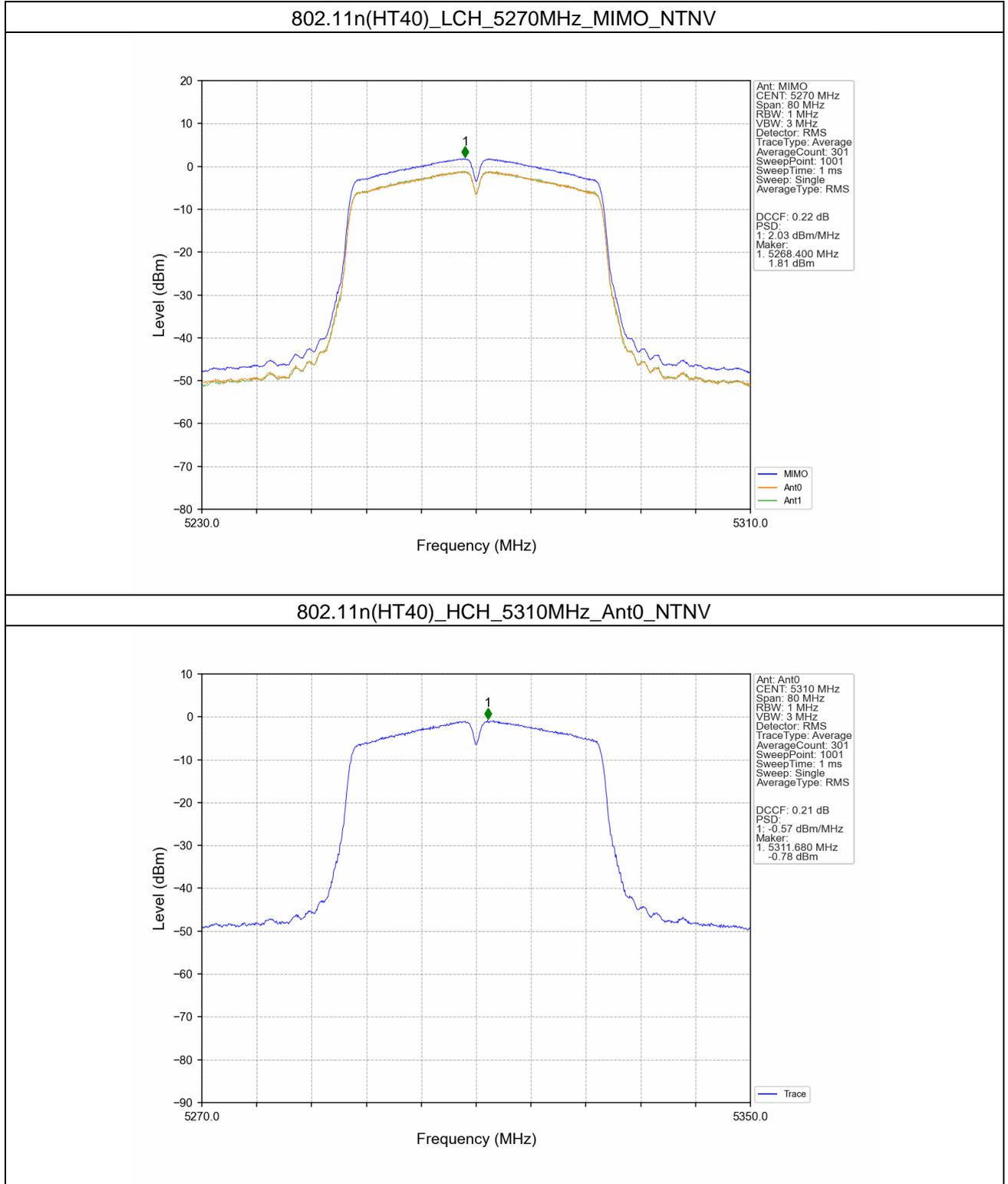
802.11n(HT40)\_HCH\_5230MHz\_MIMO\_NTNV



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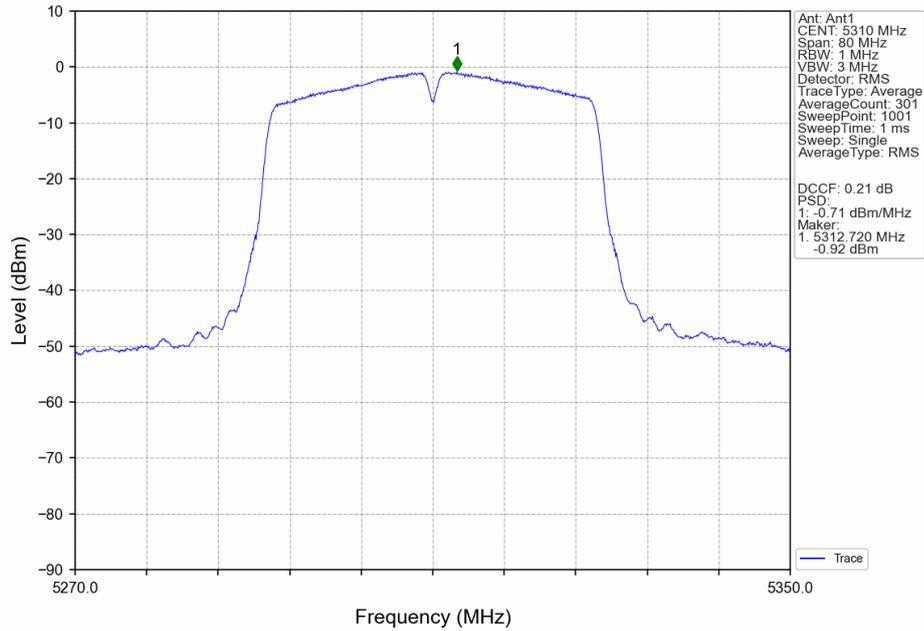


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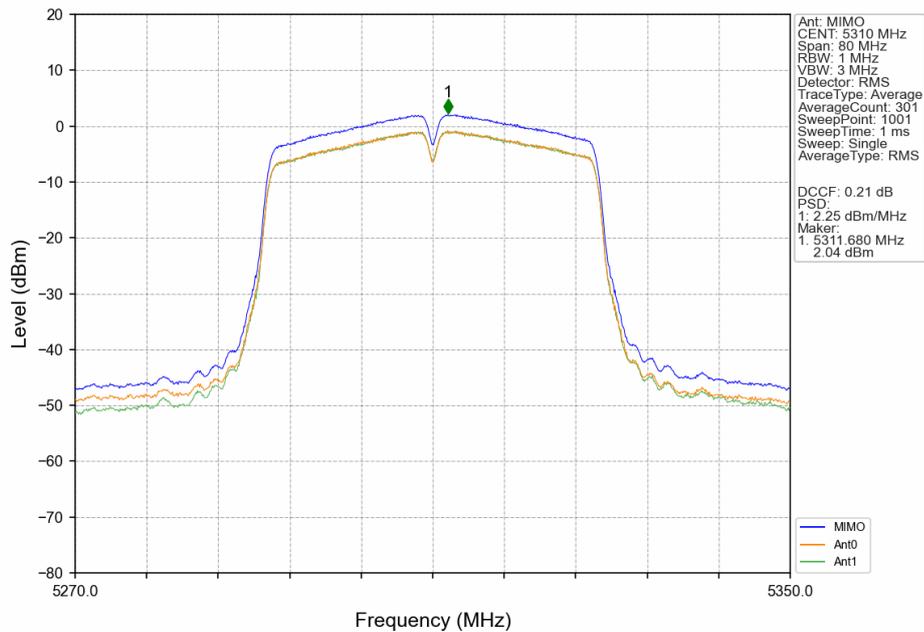


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802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV

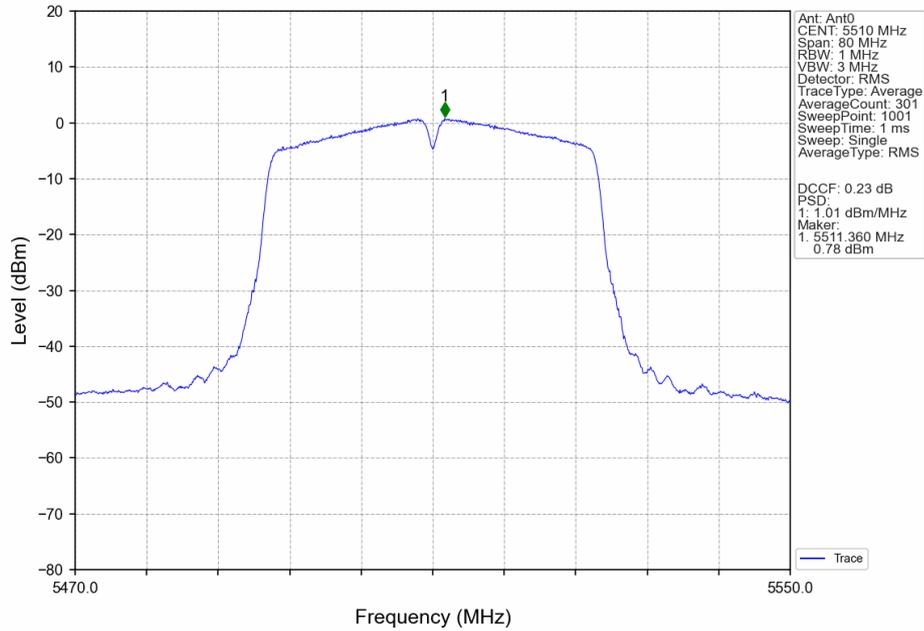


802.11n(HT40)\_HCH\_5310MHz\_MIMO\_NTNV

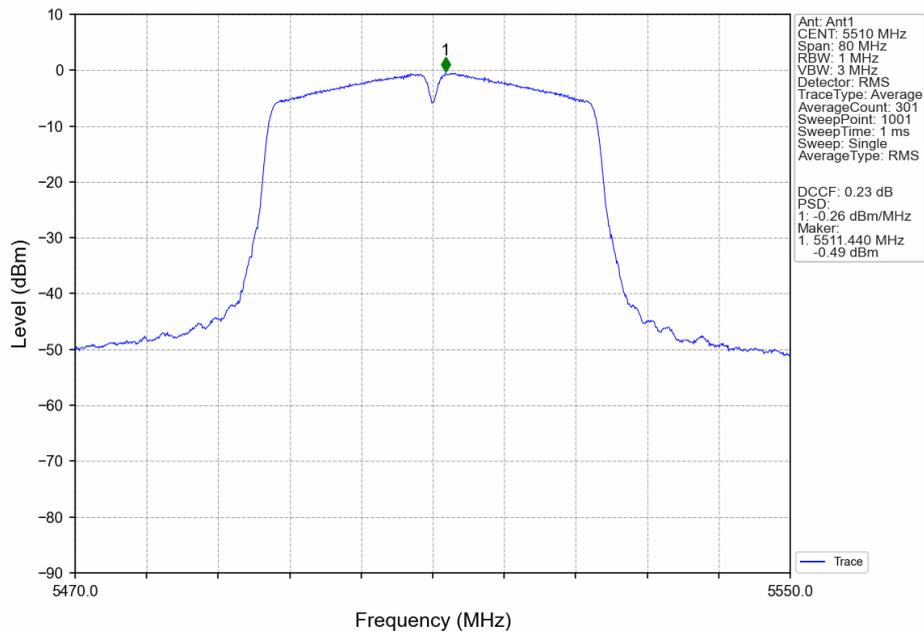


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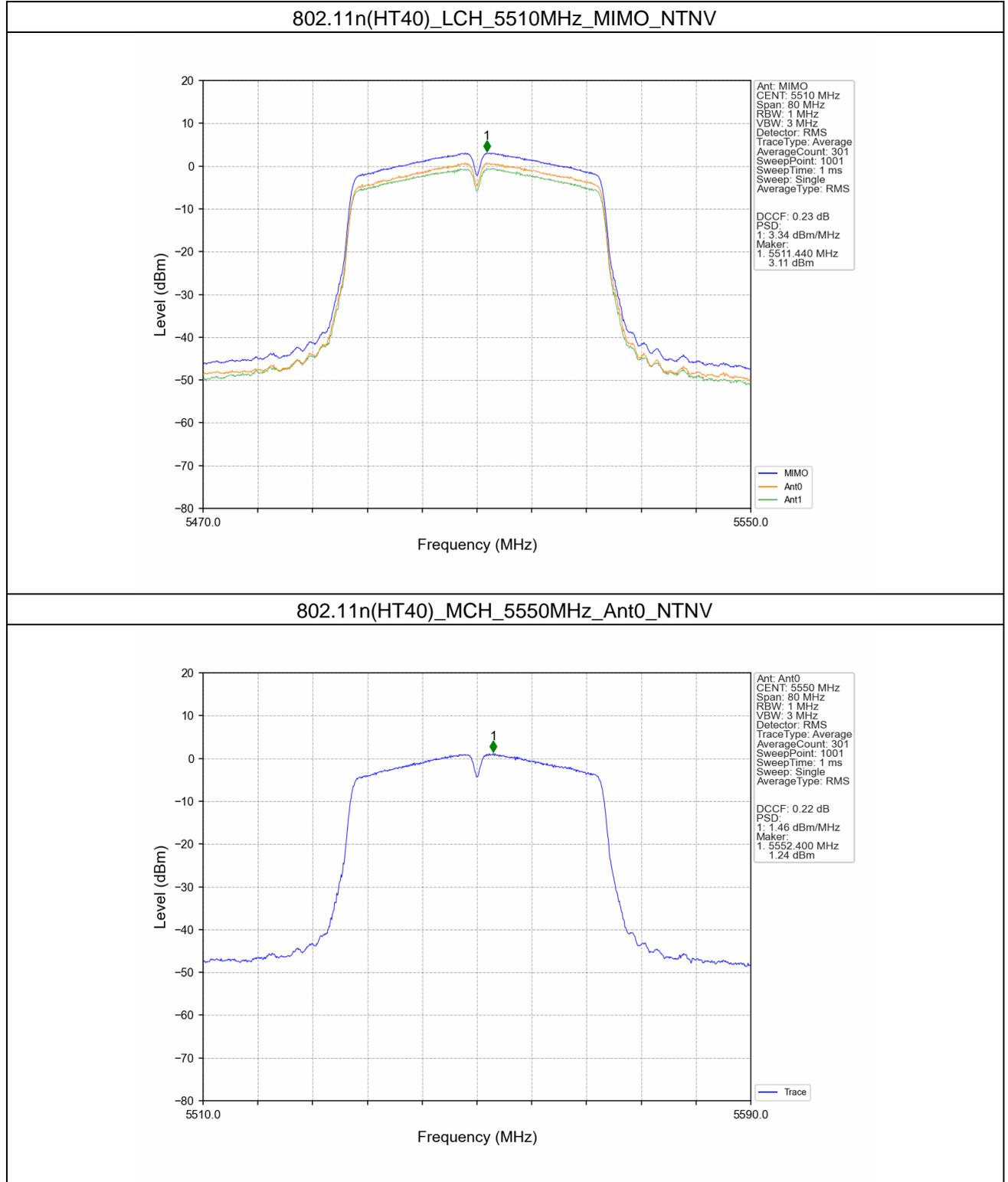
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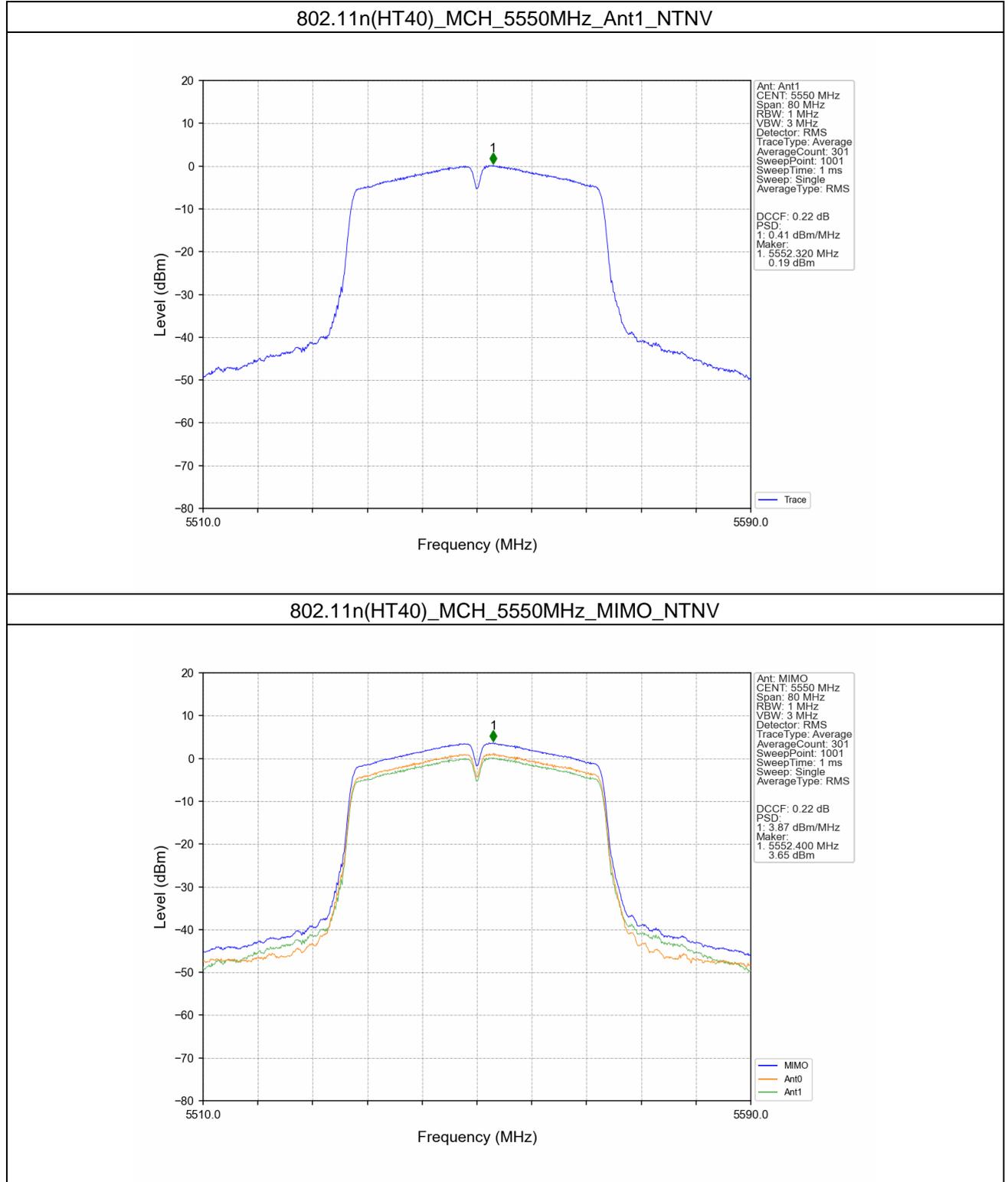
802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



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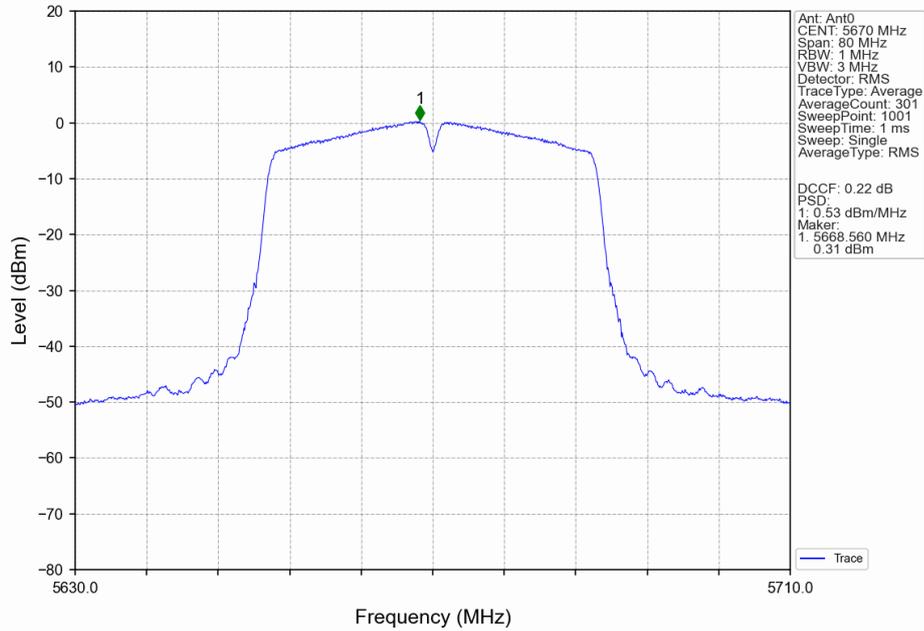


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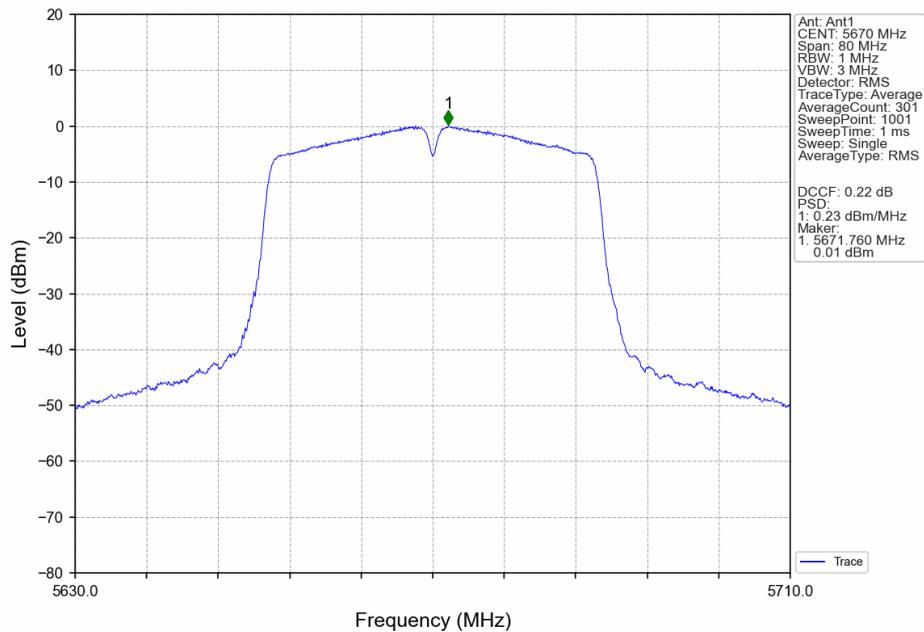


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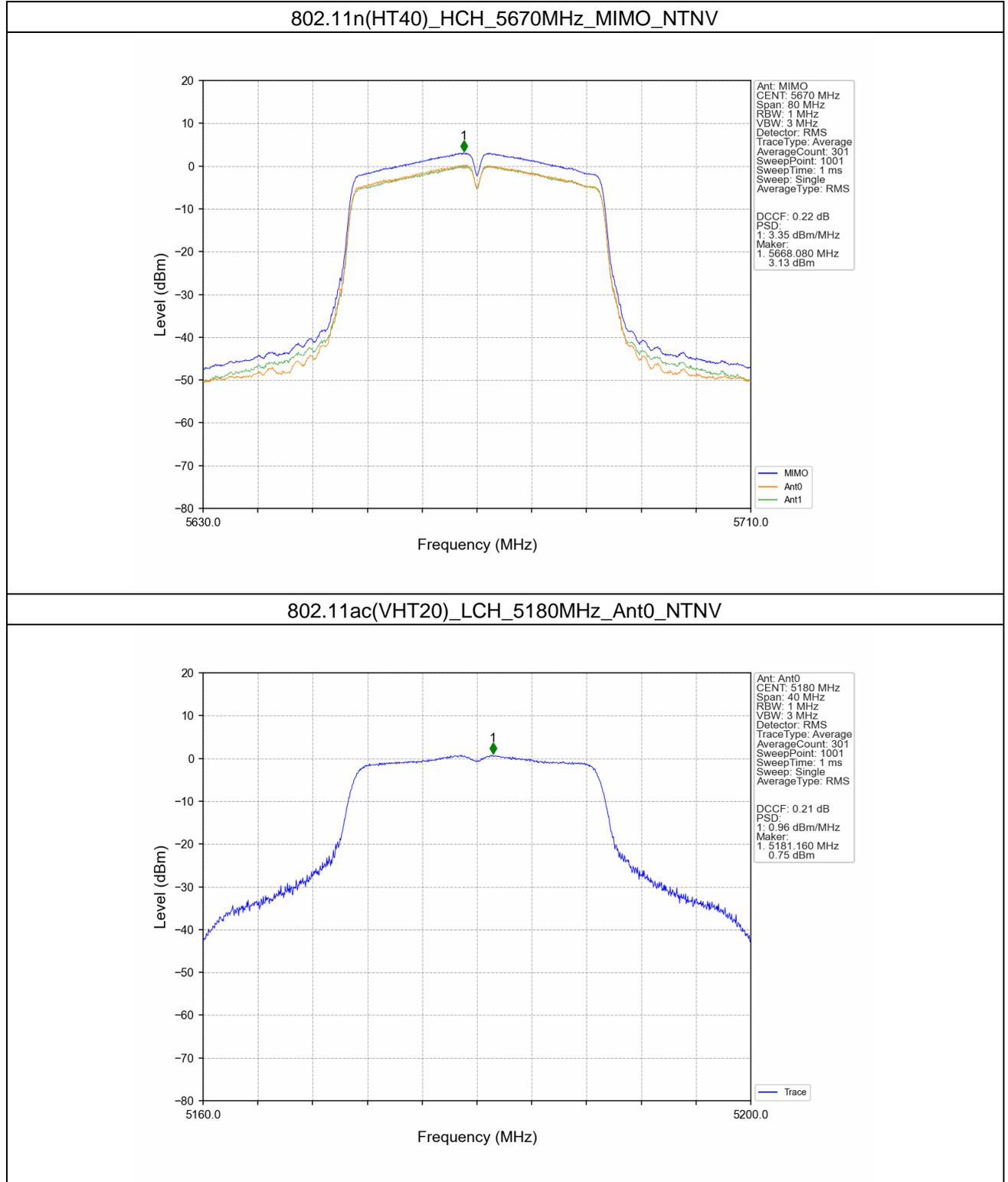
802.11n(HT40)\_HCH\_5670MHz\_Ant0\_NTNV



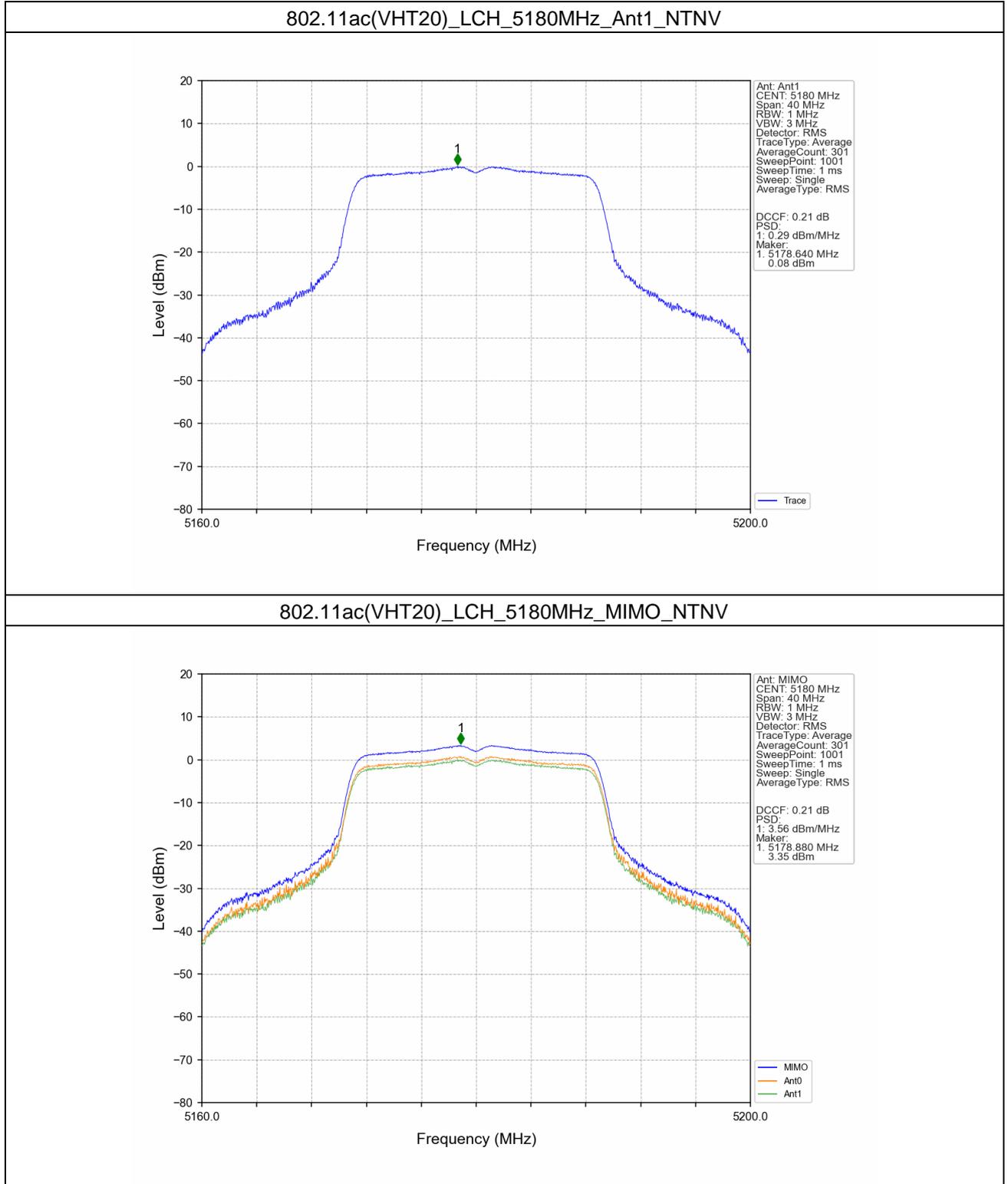
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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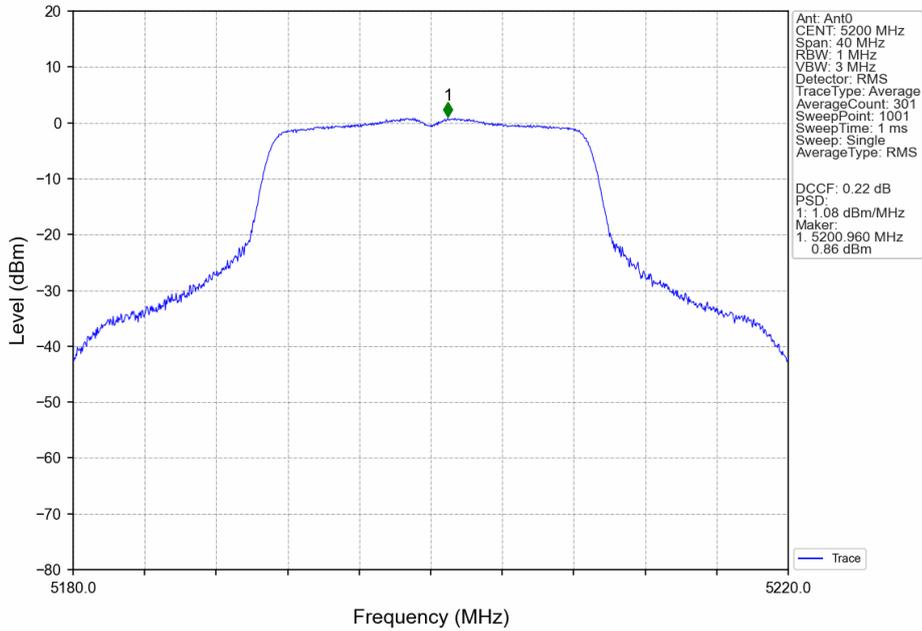


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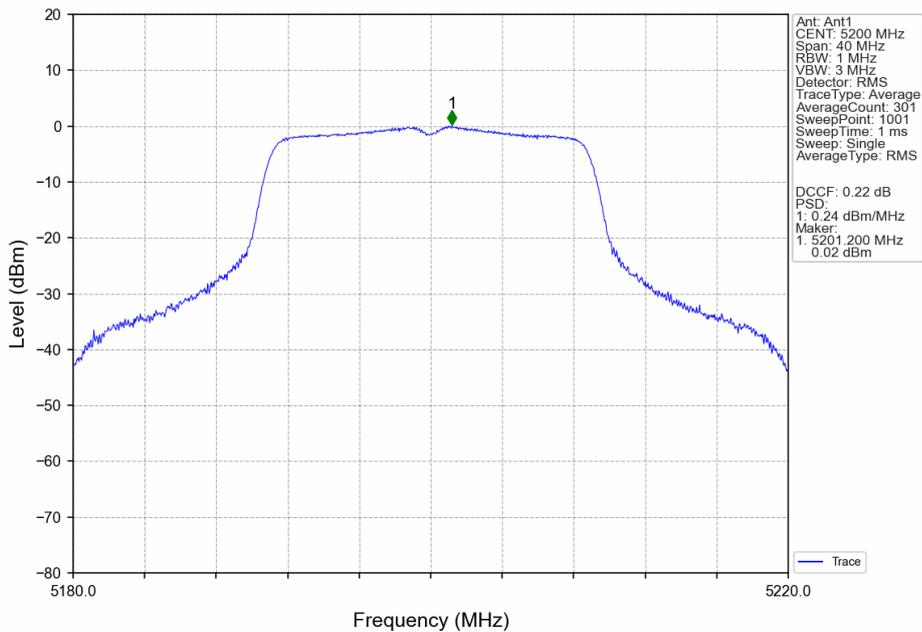


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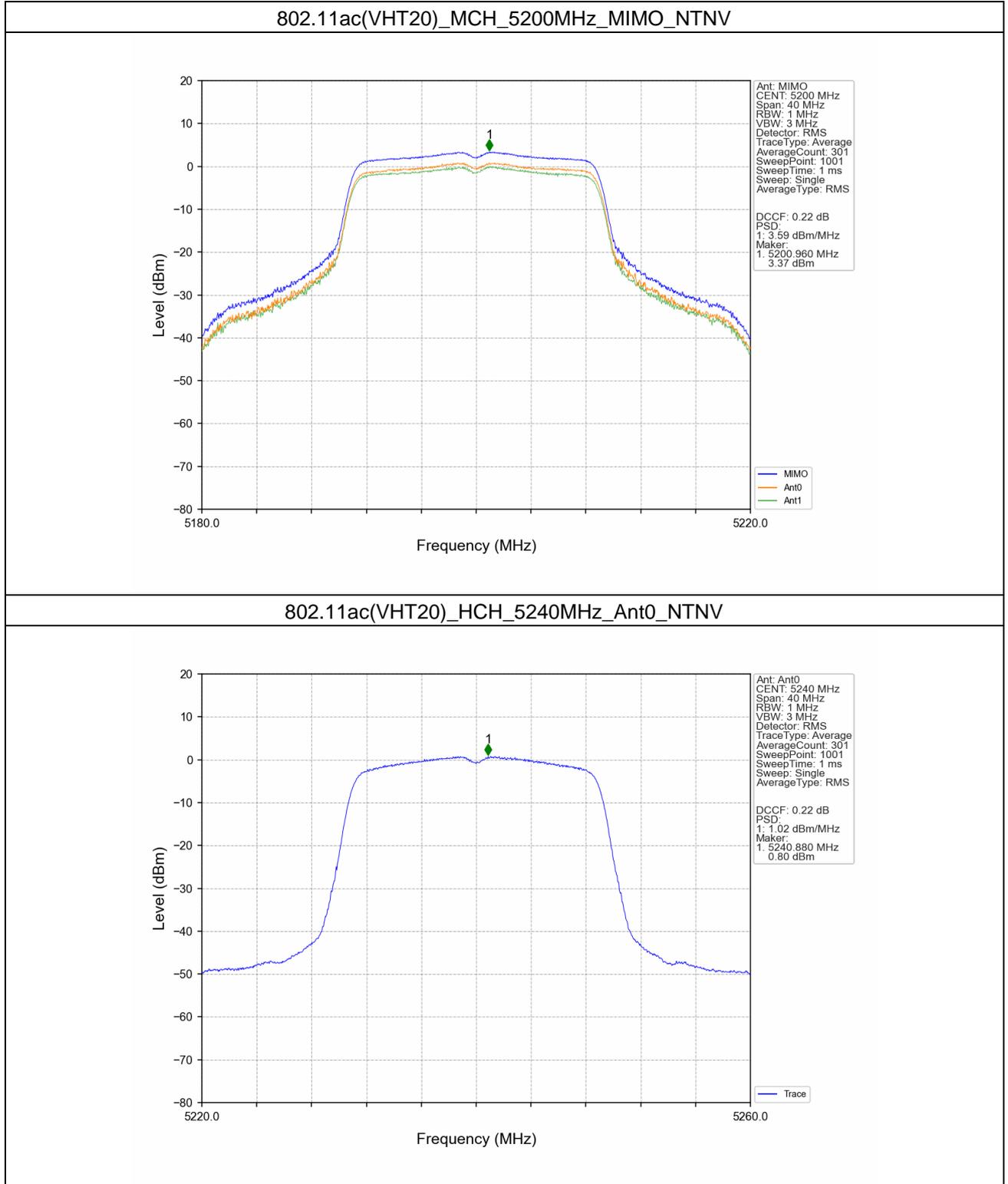
802.11ac(VHT20)\_MCH\_5200MHz\_Ant0\_NTNV



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



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