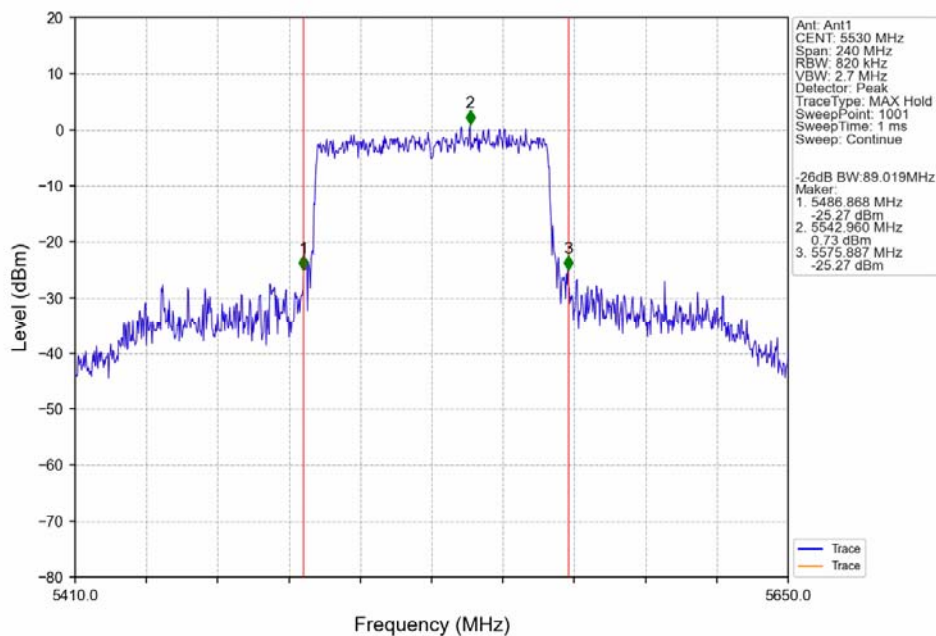
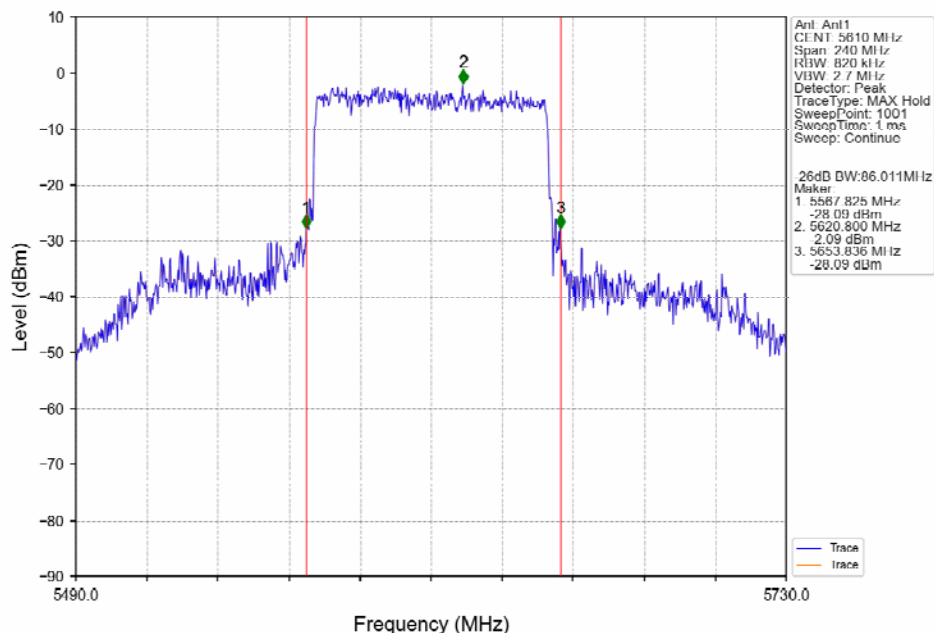


802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant1_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
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	8.50	8.41	/	<=23.98	Pass
		5200	/	/	8.52	8.19	/	<=23.98	Pass
		5240	/	/	9.98	9.83	/	<=23.98	Pass
		5260	/	/	10.38	9.13	/	<=23.98	Pass
		5300	/	/	10.79	10.47	/	<=23.98	Pass
		5320	/	/	11.02	10.91	/	<=23.98	Pass
		5500	/	/	9.05	9.93	/	<=23.98	Pass
		5580	/	/	9.10	10.29	/	<=23.98	Pass
		5700	/	/	6.12	7.33	/	<=23.98	Pass
		5745	/	/	6.16	6.77	/	<=30	Pass
		5785	/	/	6.65	8.40	/	<=30	Pass
		5825	/	/	8.57	9.05	/	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	8.28	7.37	10.86	<=21.6	Pass
		5230	/	/	9.62	8.71	12.20	<=21.6	Pass
		5270	/	/	10.30	9.58	12.97	<=21.6	Pass
		5310	/	/	10.13	10.48	13.32	<=21.6	Pass
		5510	/	/	10.66	10.87	13.78	<=21.6	Pass
		5550	/	/	11.40	11.76	14.59	<=21.6	Pass
		5670	/	/	6.19	7.98	10.19	<=21.6	Pass
		5755	/	/	5.28	6.95	9.21	<=27.62	Pass
		5795	/	/	6.43	8.45	10.57	<=27.62	Pass
802.11ac (VHT80)	MIMO	5210	/	/	8.06	8.42	11.25	<=21.6	Pass
		5290	/	/	9.70	8.16	12.01	<=21.6	Pass
		5530	/	/	10.55	11.58	14.11	<=21.6	Pass
		5610	/	/	7.53	8.85	11.25	<=21.6	Pass
		5775	/	/	5.47	6.59	9.08	<=27.62	Pass

802.11ax (HEW20)	MIMO	5180	RU242	Left	8.91	7.74	11.37	<=21.6	Pass
		5200	RU242	Left	8.81	8.32	11.58	<=21.6	Pass
		5240	RU242	Left	11.15	8.15	12.91	<=21.6	Pass
		5260	RU242	Left	10.85	9.70	13.32	<=21.6	Pass
		5300	RU242	Left	11.26	10.64	13.97	<=21.6	Pass
		5320	RU242	Left	11.17	9.93	13.60	<=21.6	Pass
		5500	RU242	Left	9.63	9.65	12.65	<=21.6	Pass
		5580	RU242	Left	9.16	9.21	12.20	<=21.6	Pass
		5700	RU242	Left	6.38	7.35	9.90	<=21.6	Pass
		5745	RU242	Left	6.87	7.25	10.07	<=27.62	Pass
		5785	RU242	Left	6.89	8.65	10.87	<=27.62	Pass
		5825	RU242	Left	7.79	9.87	11.96	<=27.62	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	8.66	7.78	11.25	<=21.6	Pass
		5230	RU484	Left	9.80	8.87	12.37	<=21.6	Pass
		5270	RU484	Left	10.94	8.84	13.03	<=21.6	Pass
		5310	RU484	Left	10.46	9.83	13.17	<=21.6	Pass
		5510	RU484	Left	10.97	10.46	13.73	<=21.6	Pass
		5550	RU484	Left	11.95	11.18	14.59	<=21.6	Pass
		5670	RU484	Left	6.49	8.21	10.44	<=21.6	Pass
		5755	RU484	Left	5.53	7.17	9.44	<=27.62	Pass
802.11ax (HEW80)	MIMO	5795	RU484	Left	6.50	9.23	11.09	<=27.62	Pass
		5210	RU996	Left	10.03	3.42	10.89	<=21.6	Pass
		5290	RU996	Left	4.46	3.49	7.01	<=21.6	Pass
		5530	RU996	Left	16.12	13.68	18.08	<=21.6	Pass
		5610	RU996	Left	10.73	12.19	14.53	<=21.6	Pass
		5775	RU996	Left	11.69	8.87	13.52	<=27.62	Pass

Note1: Antenna Gain: Ant1: 5.37dBi; Ant2: 4.65dBi;

Note2: Directional Gain: Band1: 8.38dBi, Band2A: 8.38dBi, Band2C: 8.38dBi, Band3: 8.38dBi



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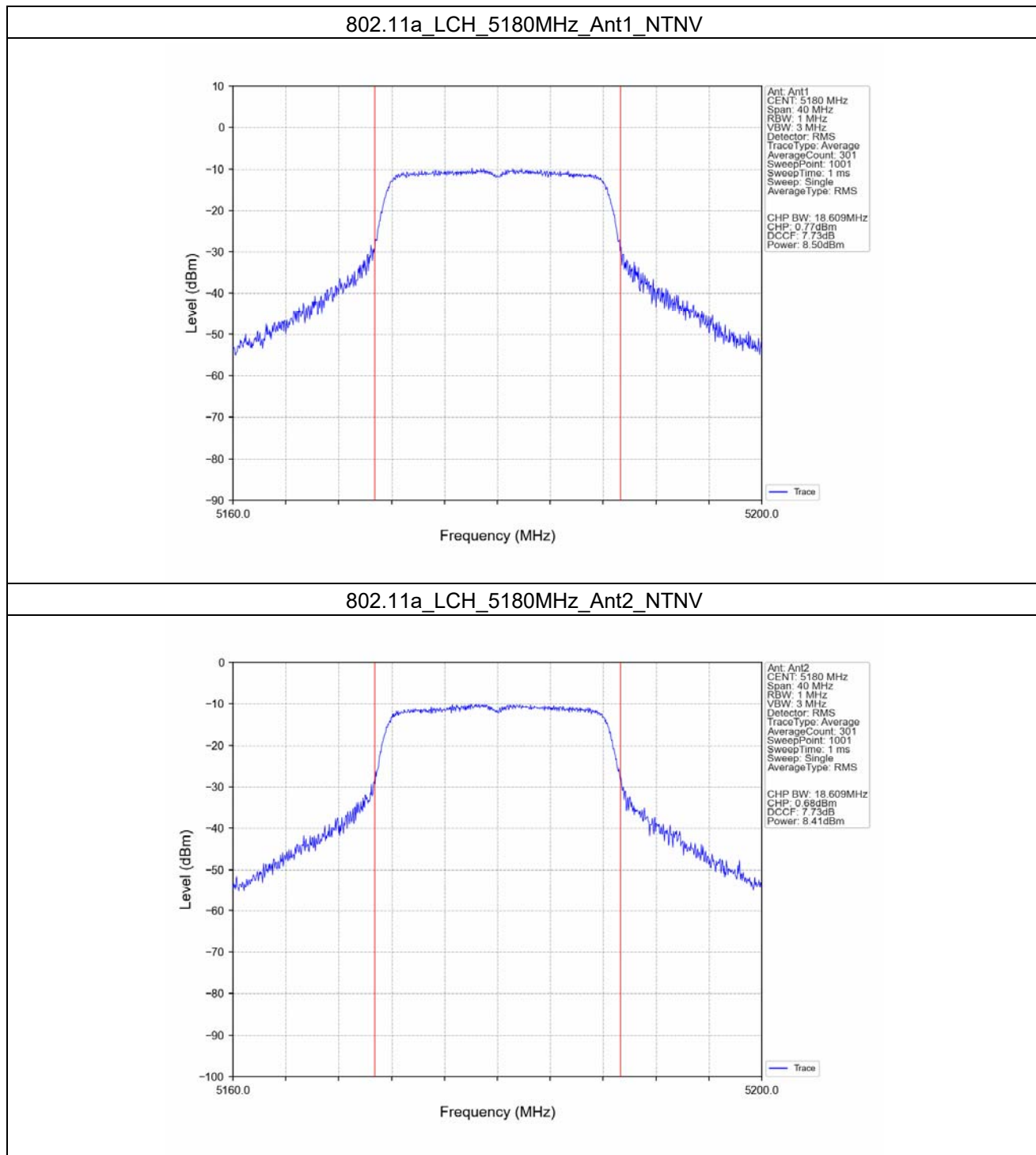
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3.2 Test Graph

3.2.1 Power



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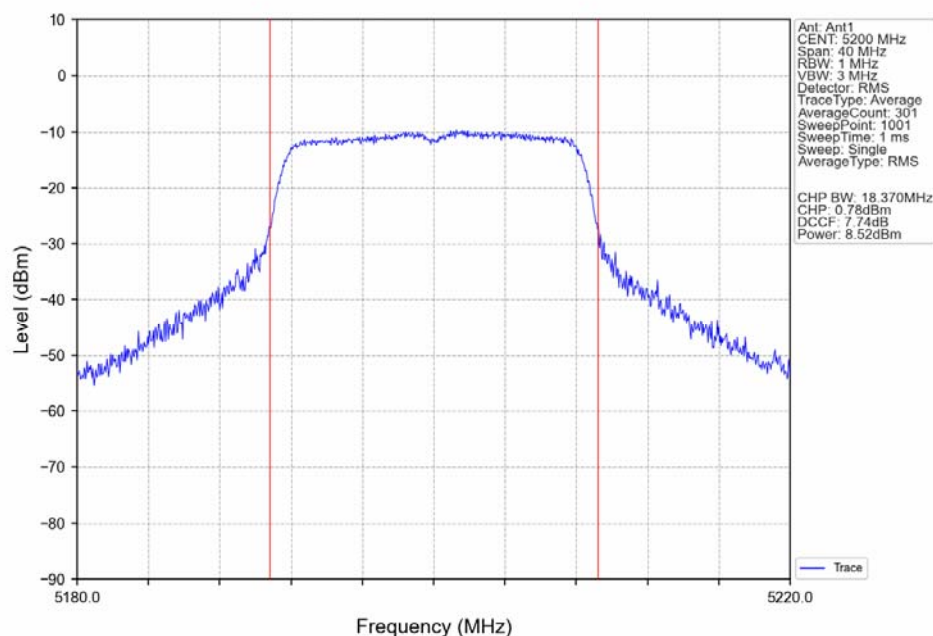
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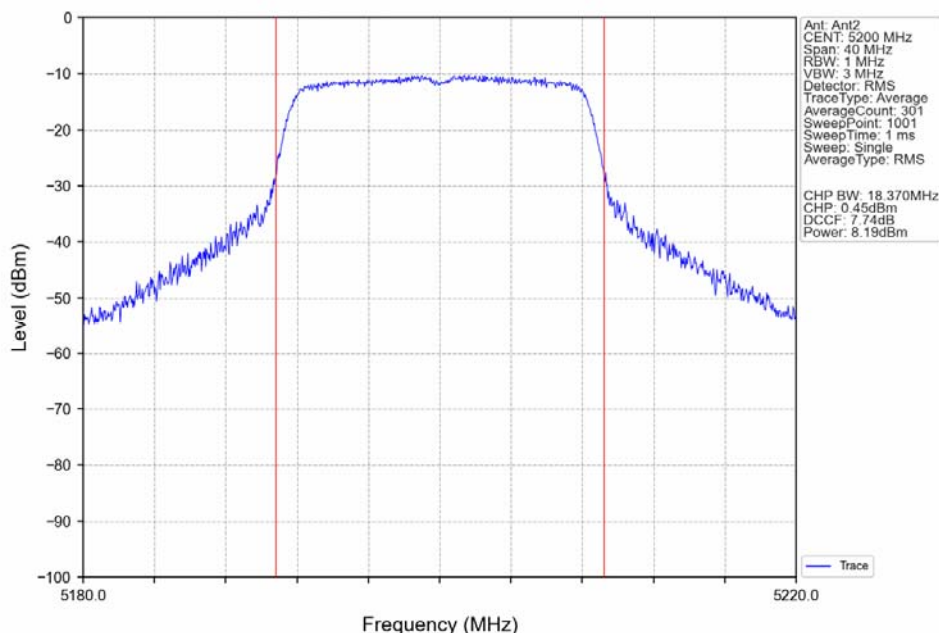
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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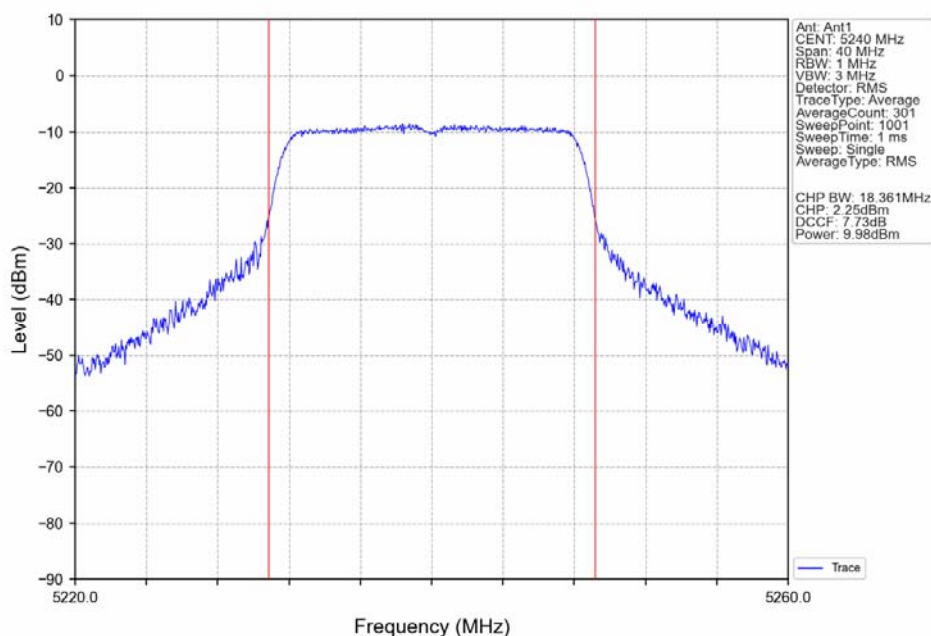
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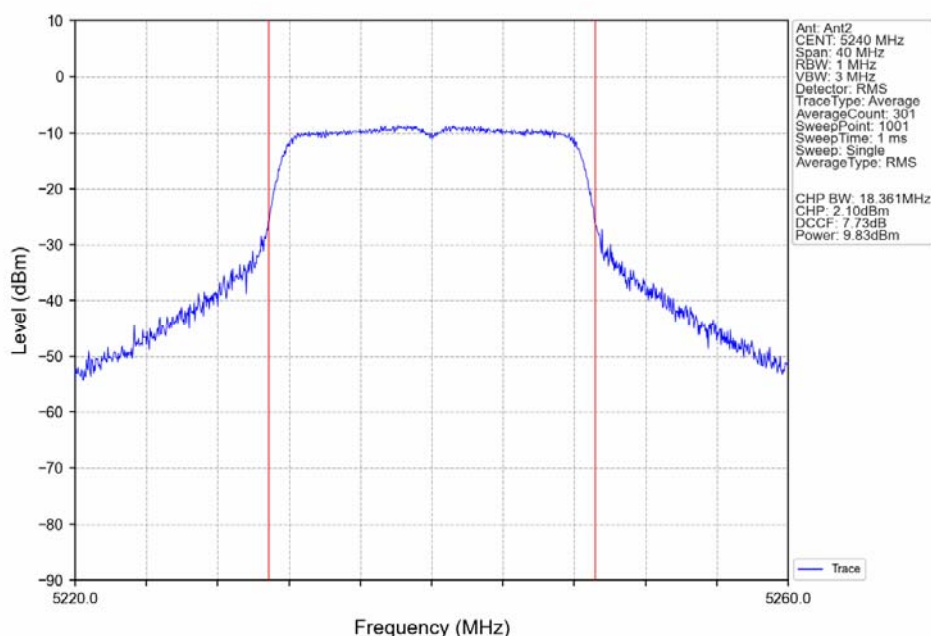
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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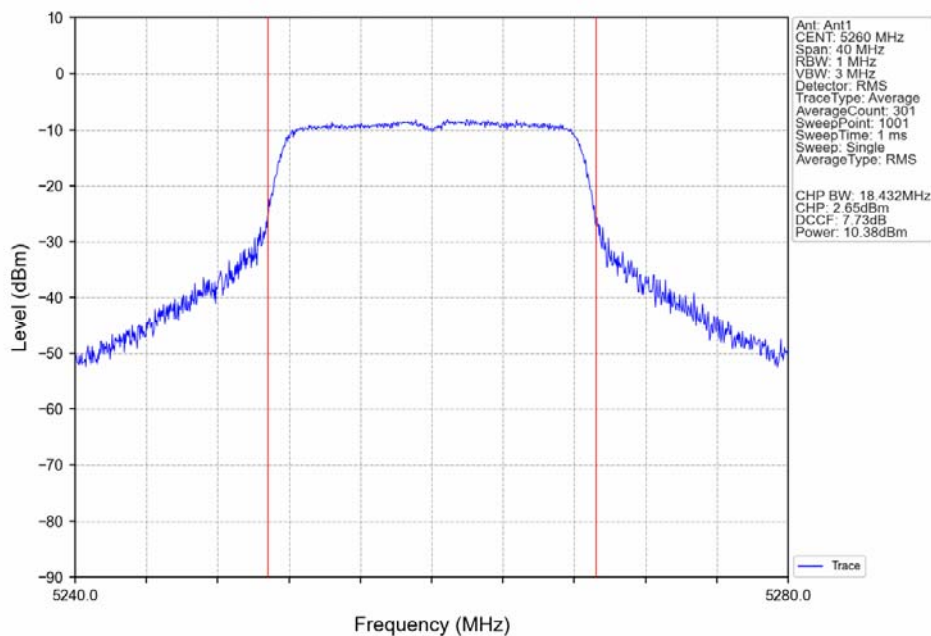
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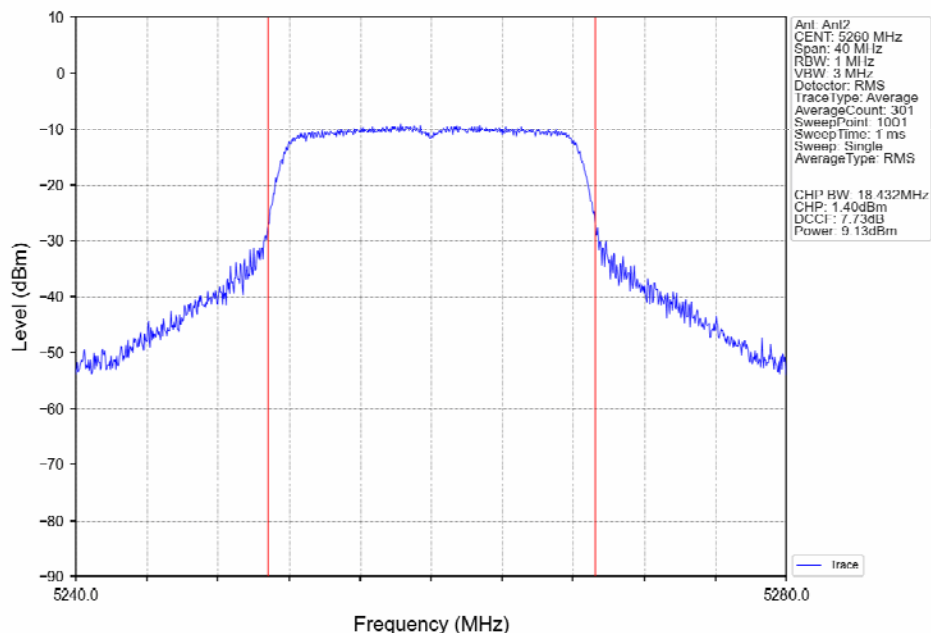
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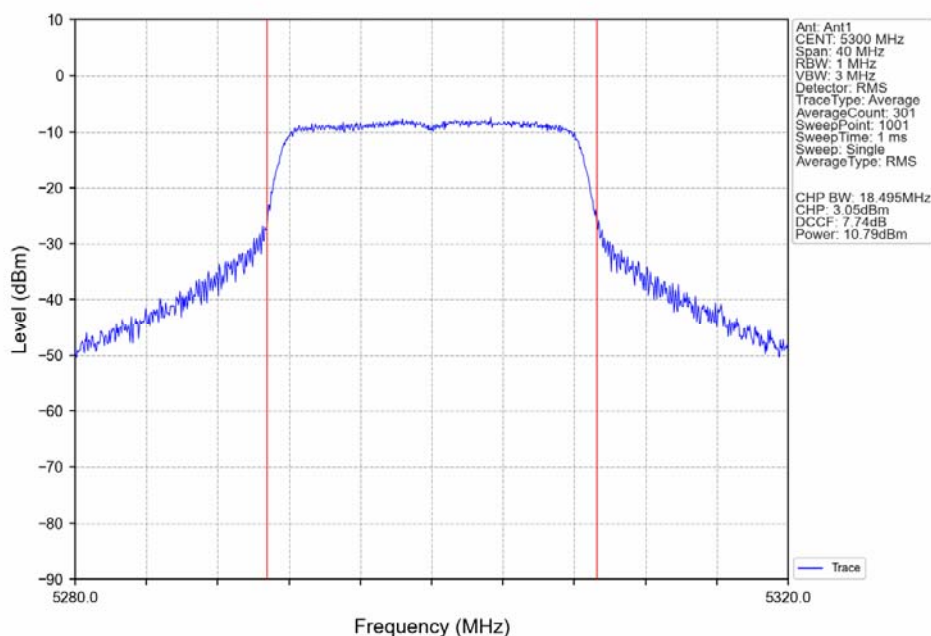
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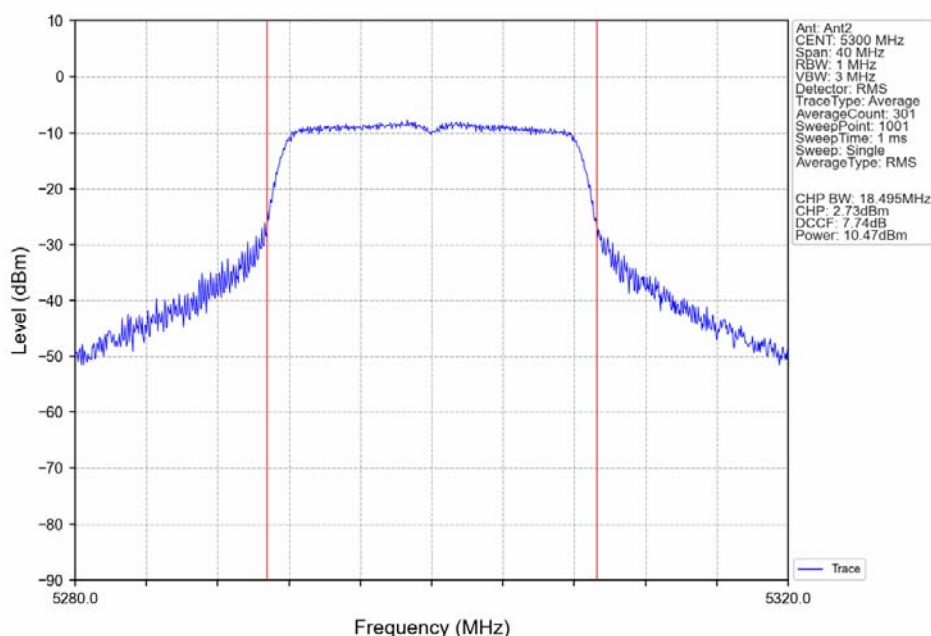
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant2_NTNV



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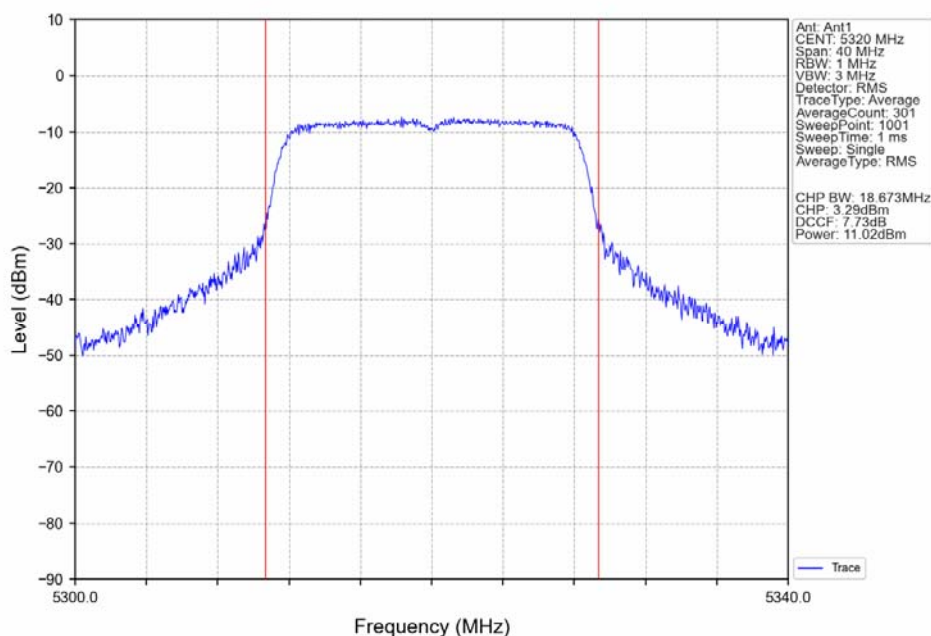
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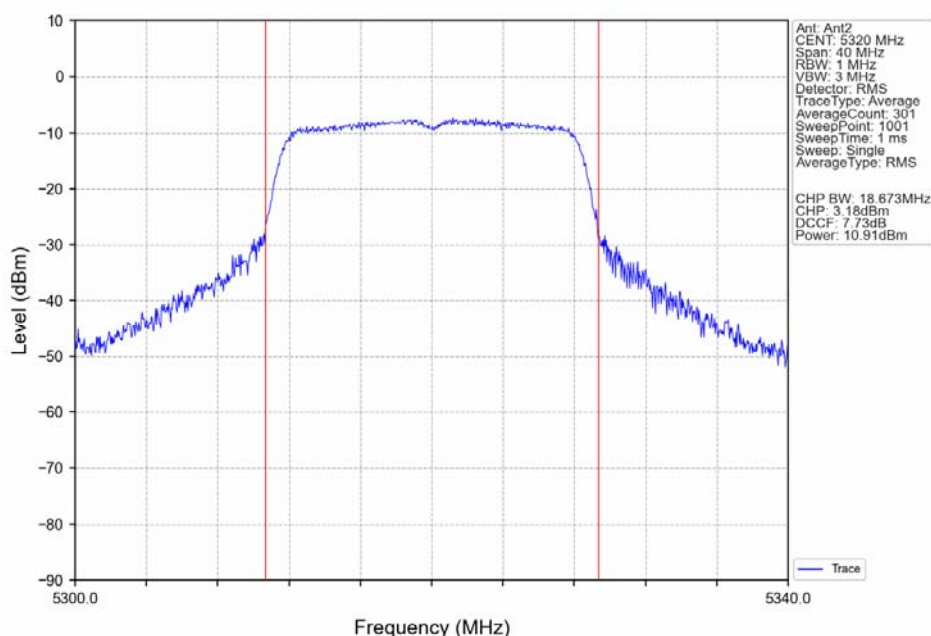
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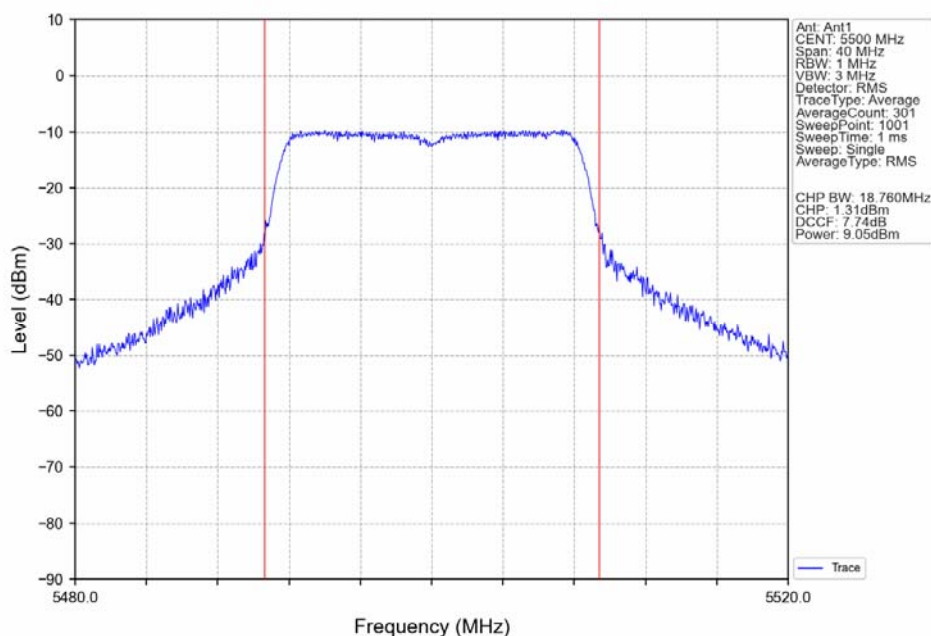
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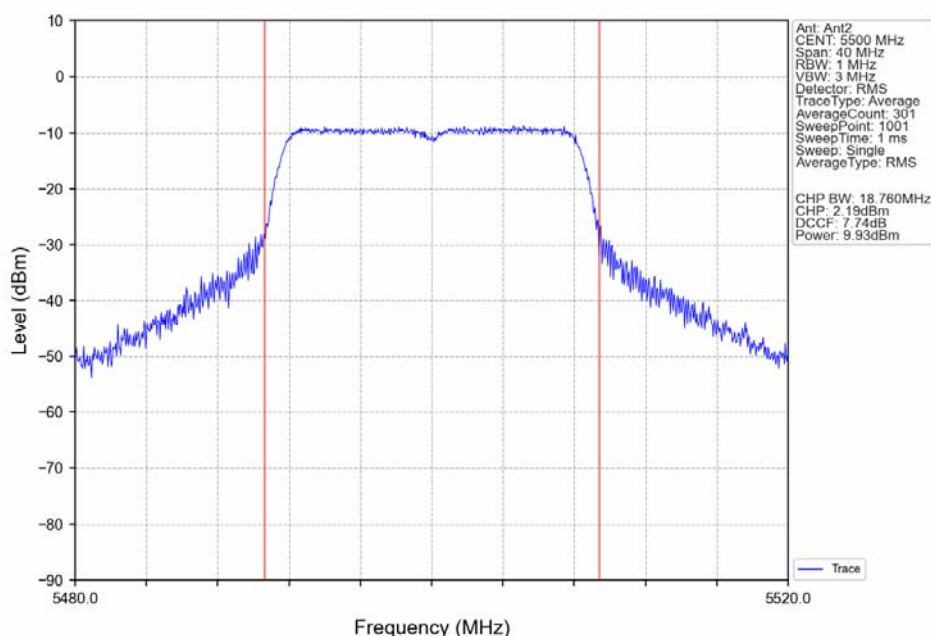
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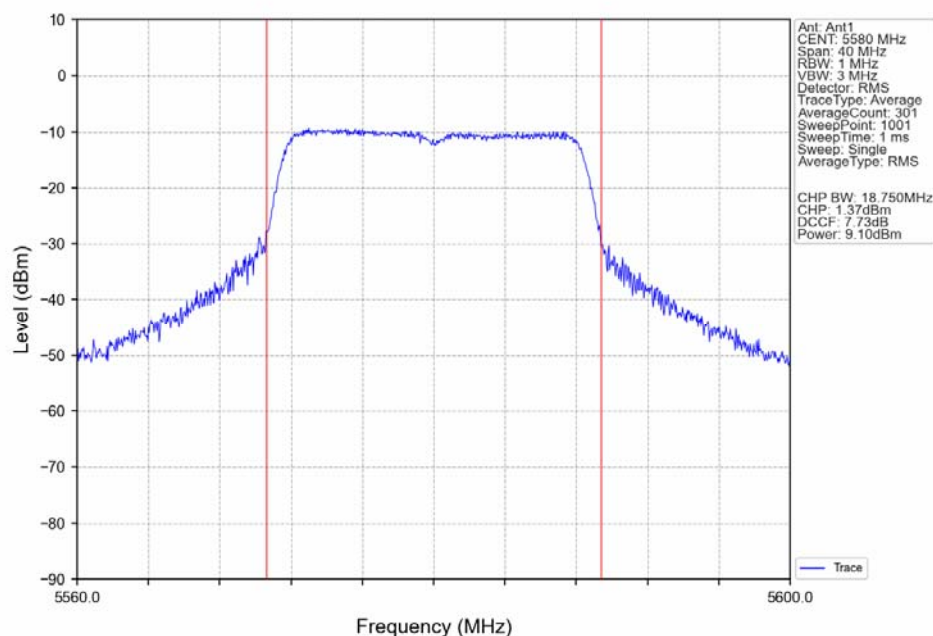
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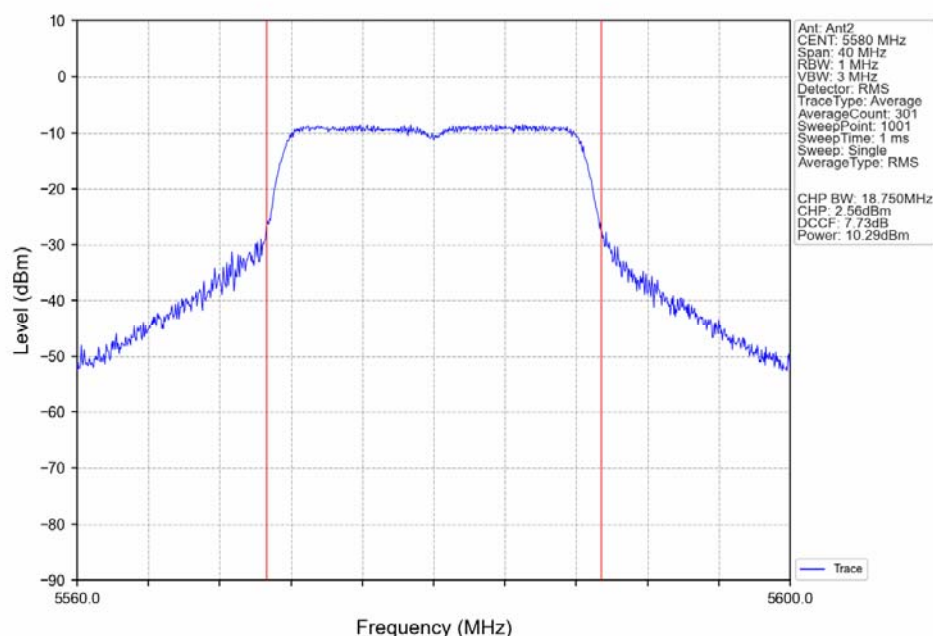
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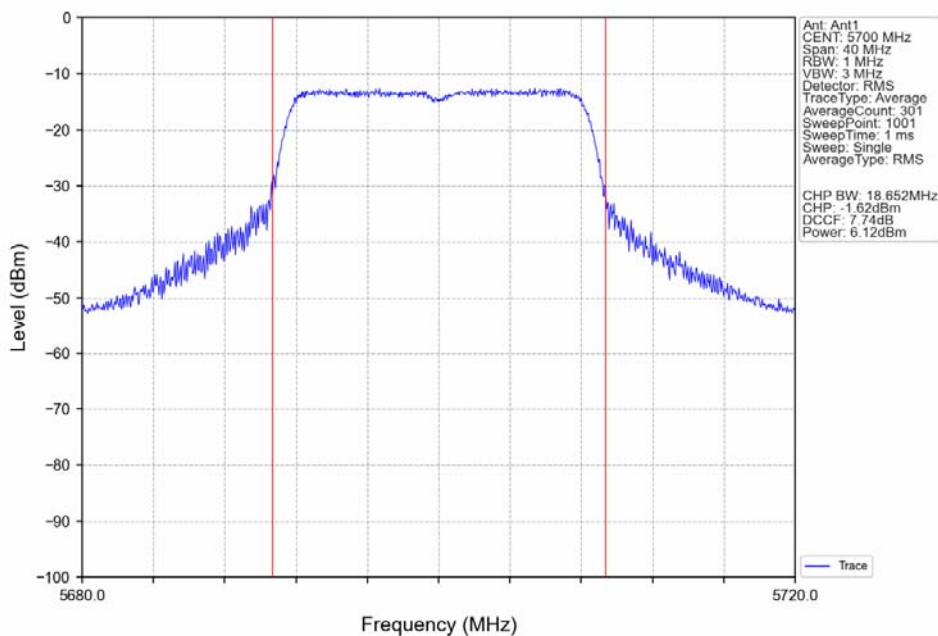
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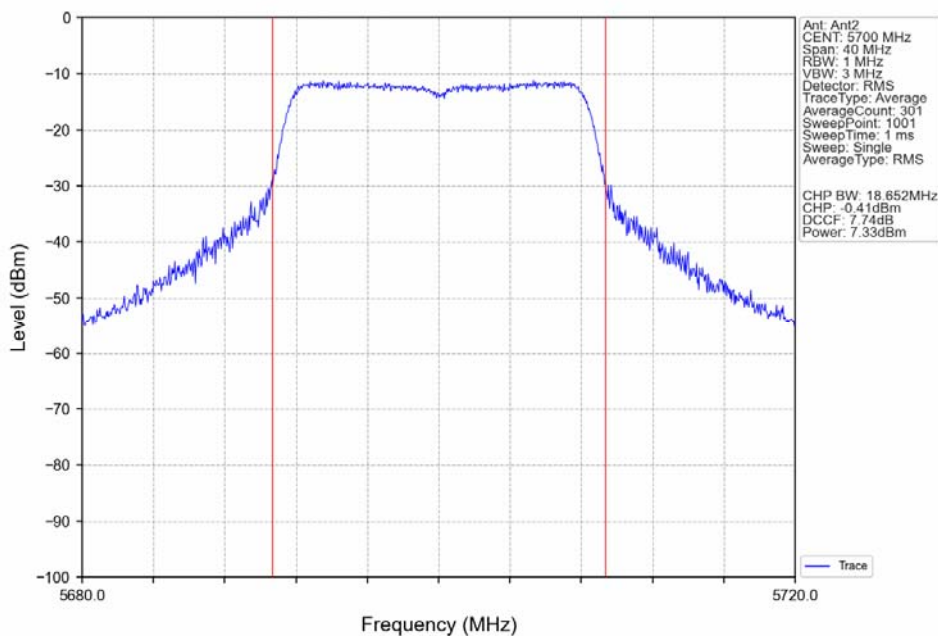
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802.11a_HCH_5700MHz_Ant1_NTNV



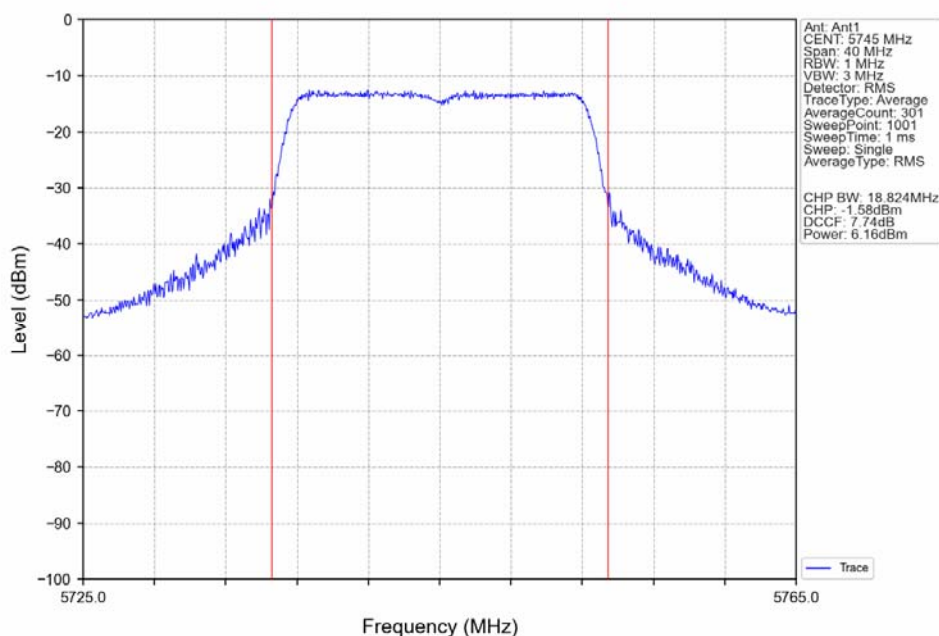
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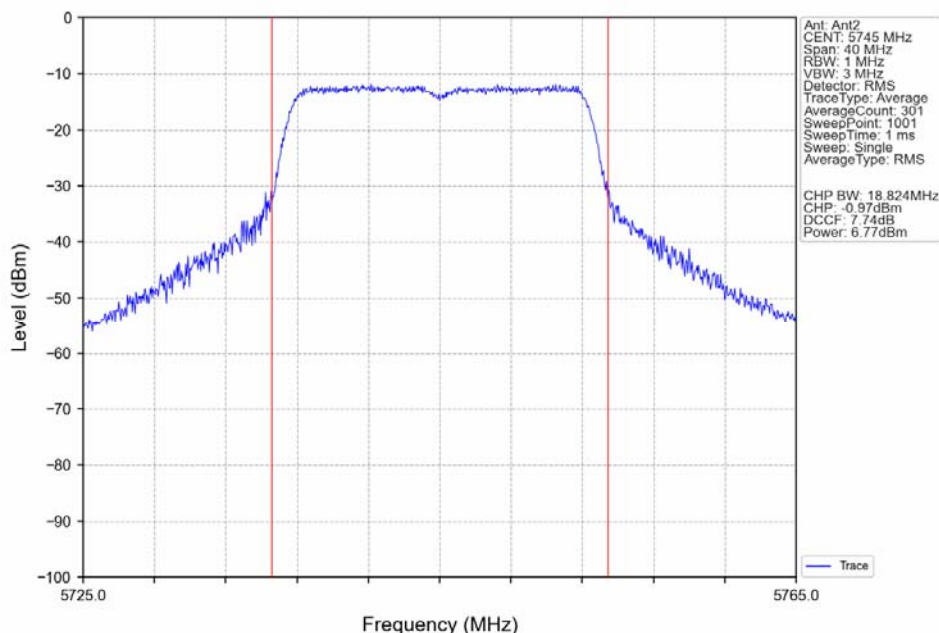
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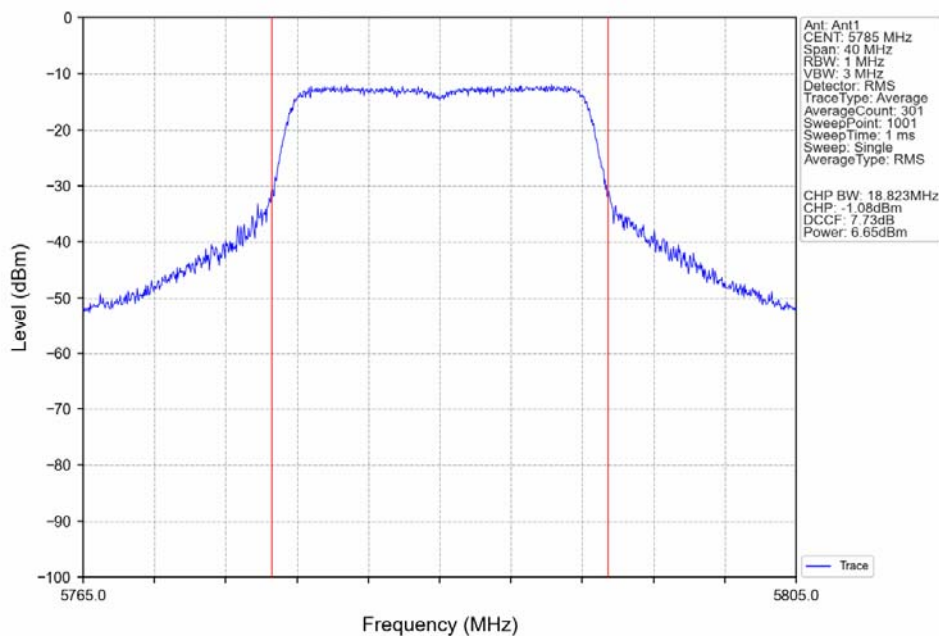
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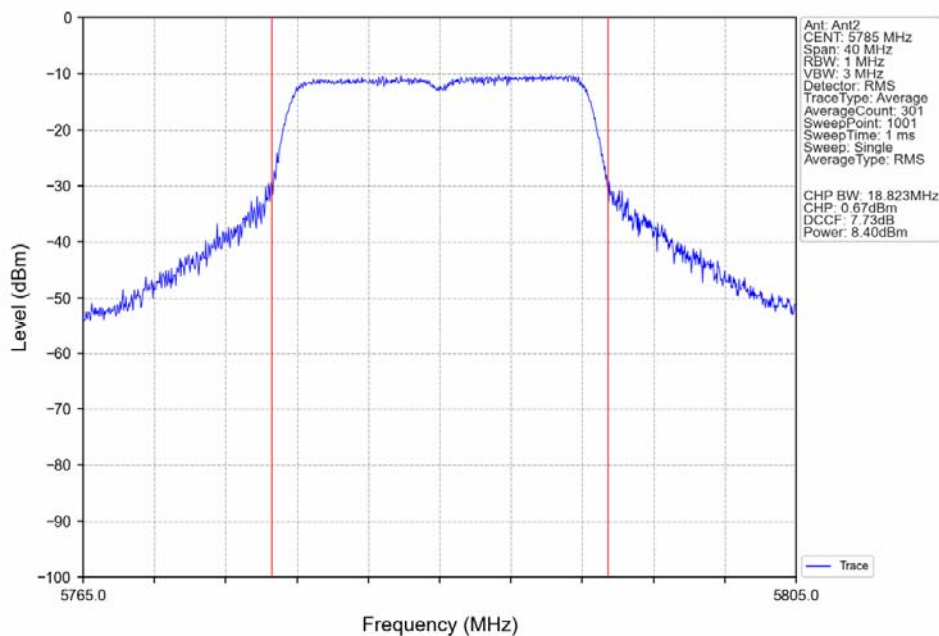
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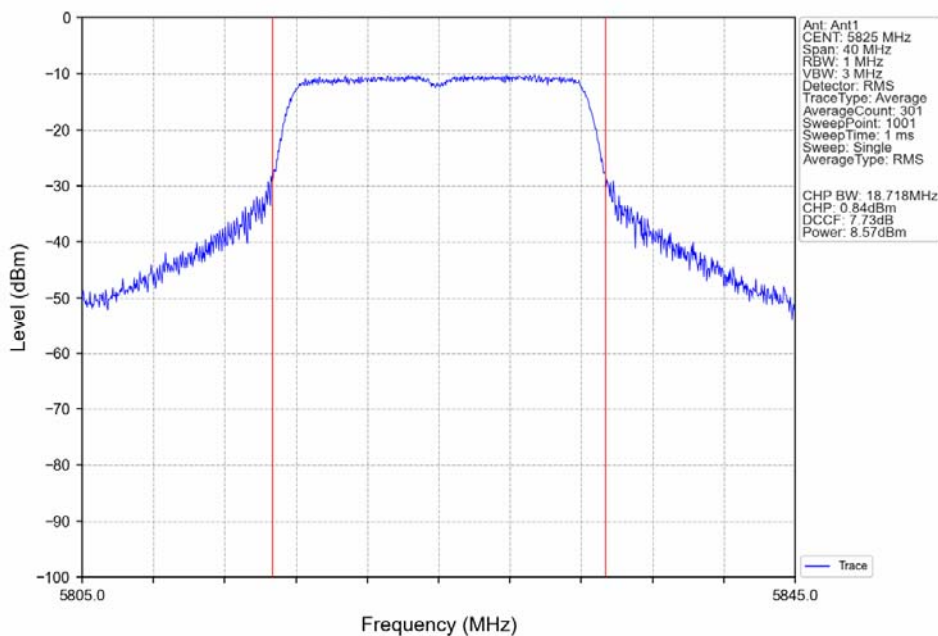
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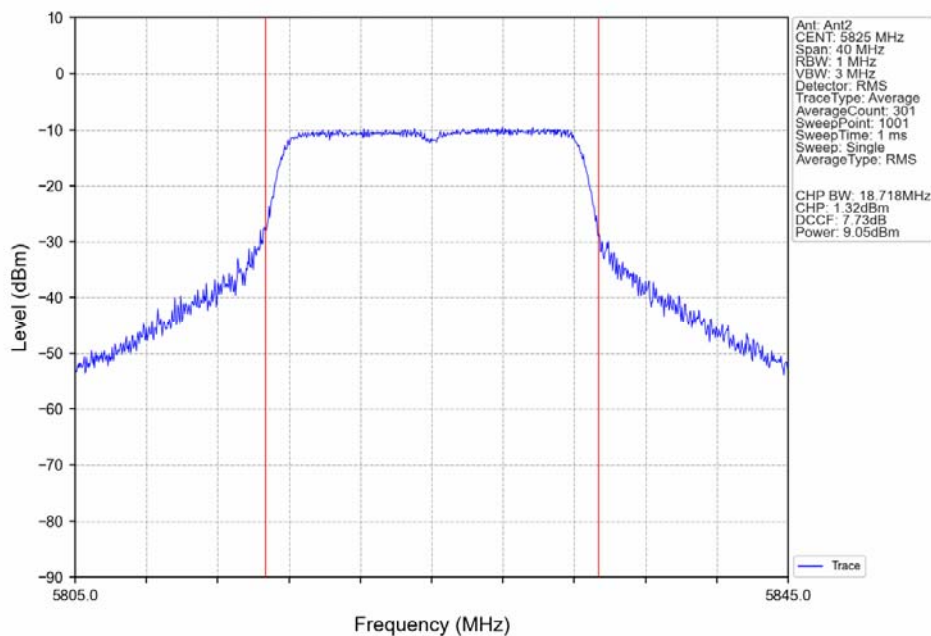
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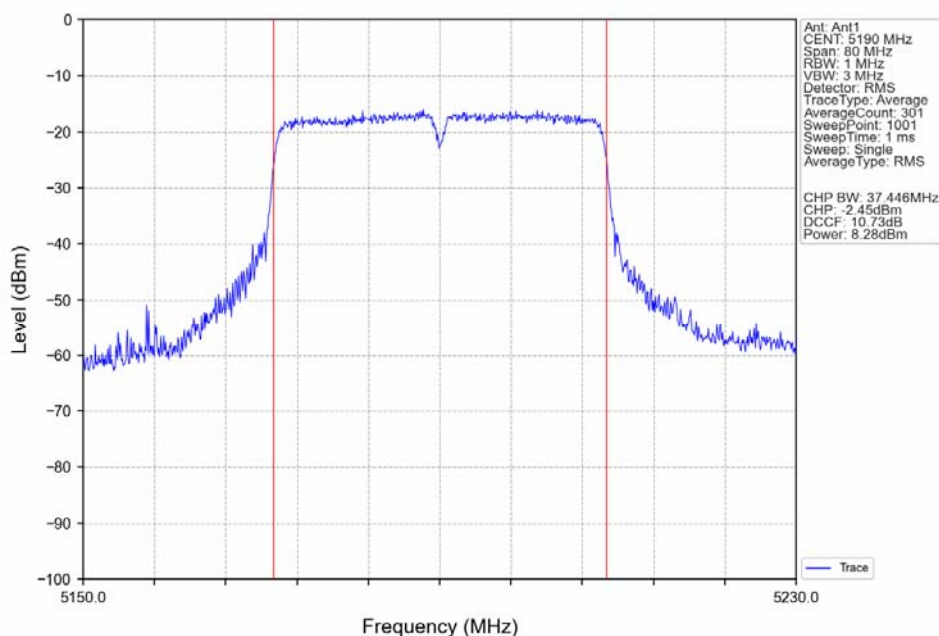
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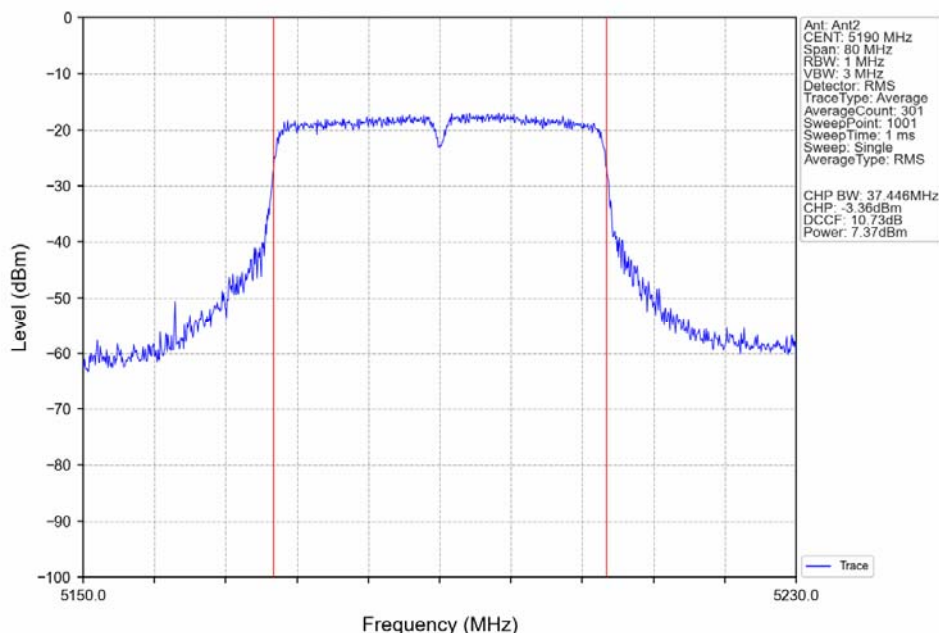
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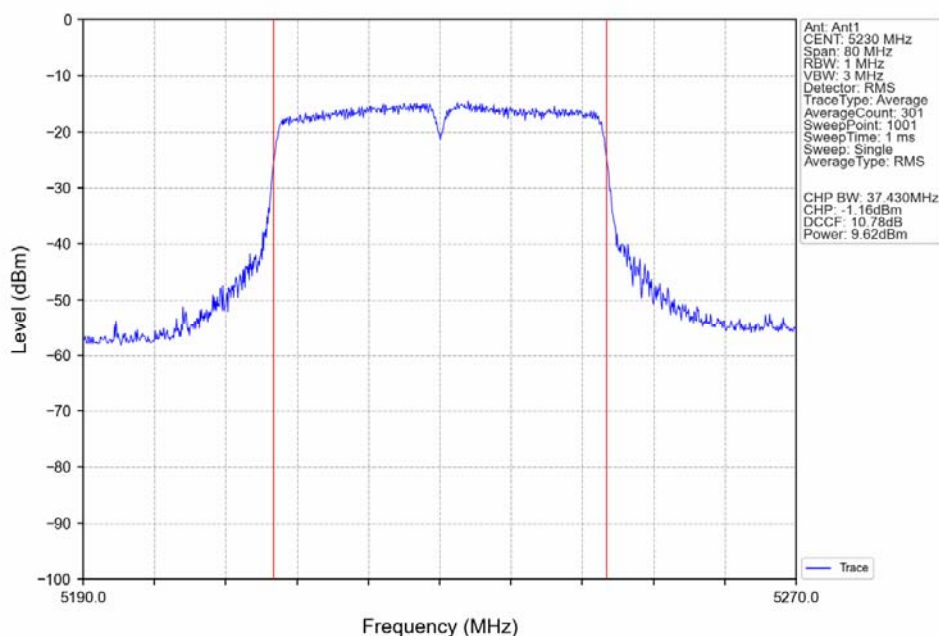
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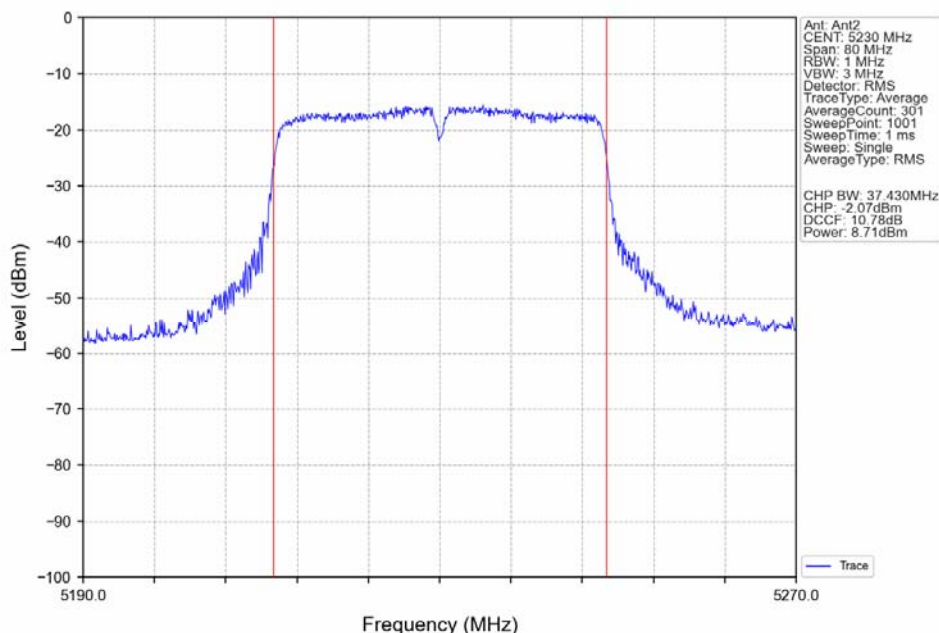
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



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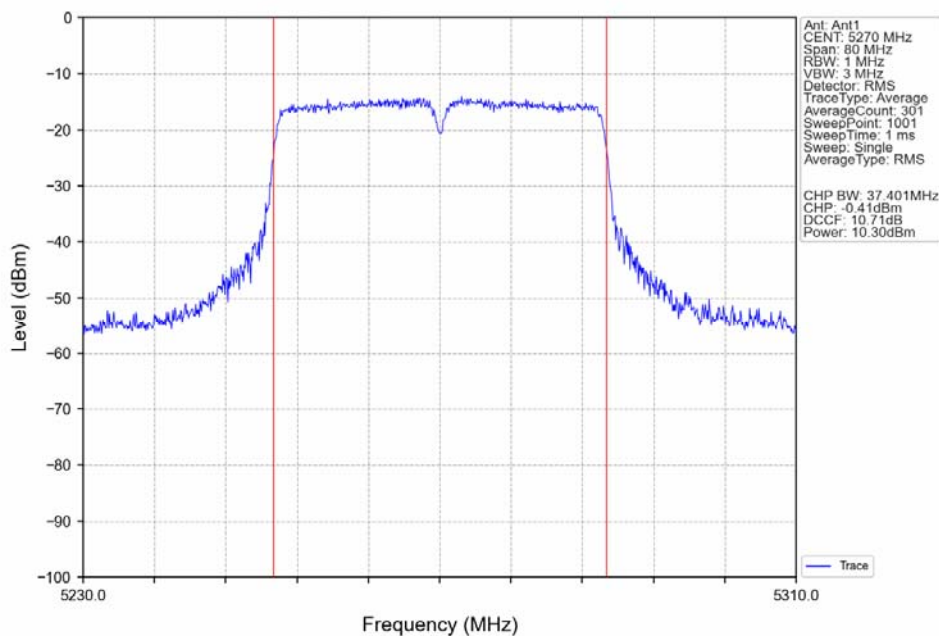
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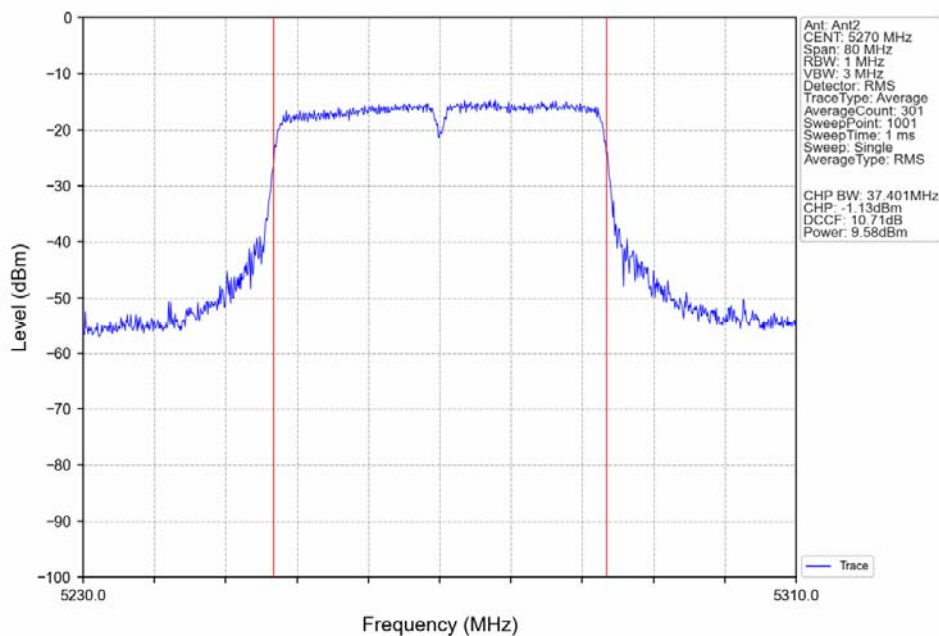
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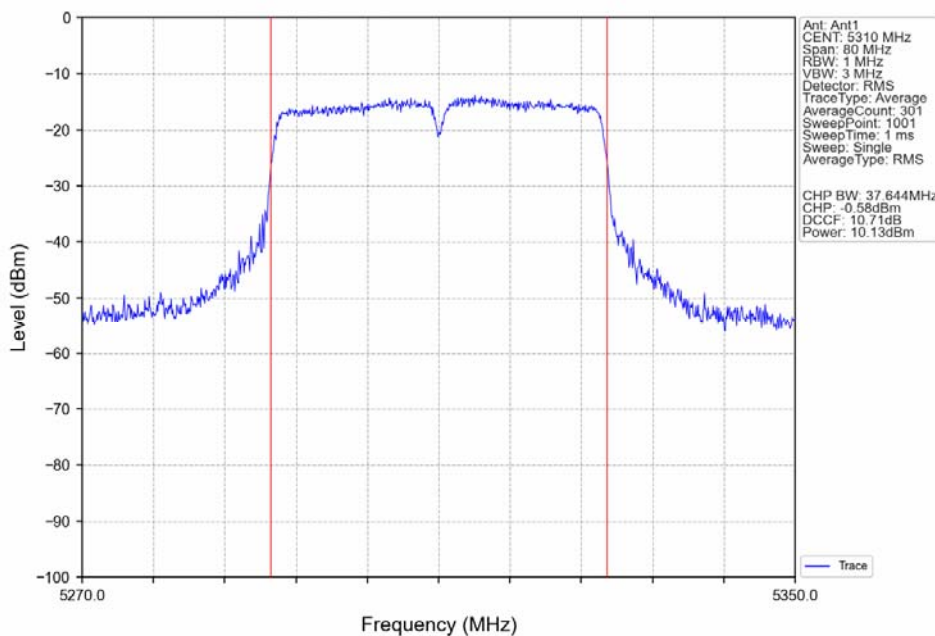
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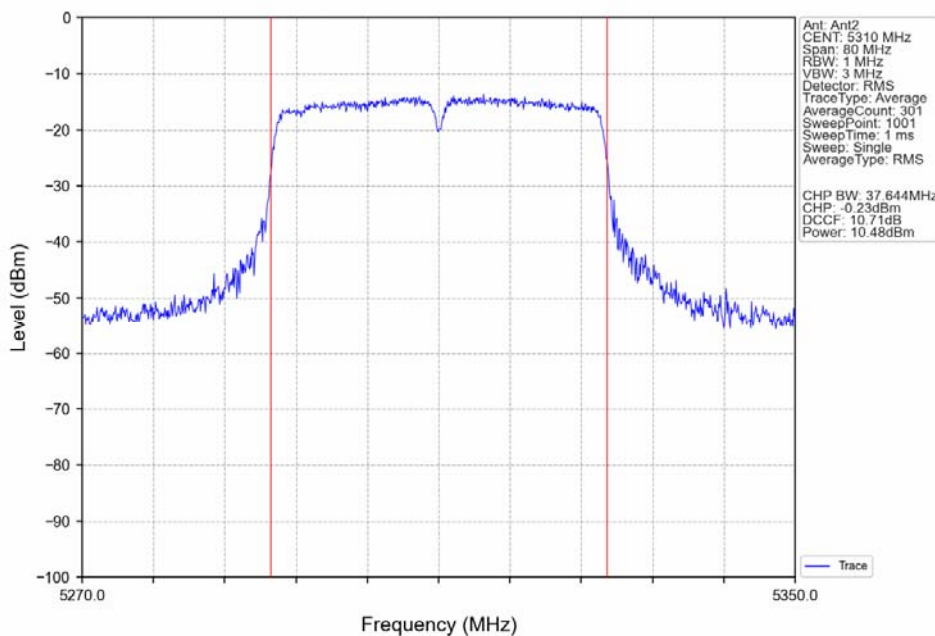
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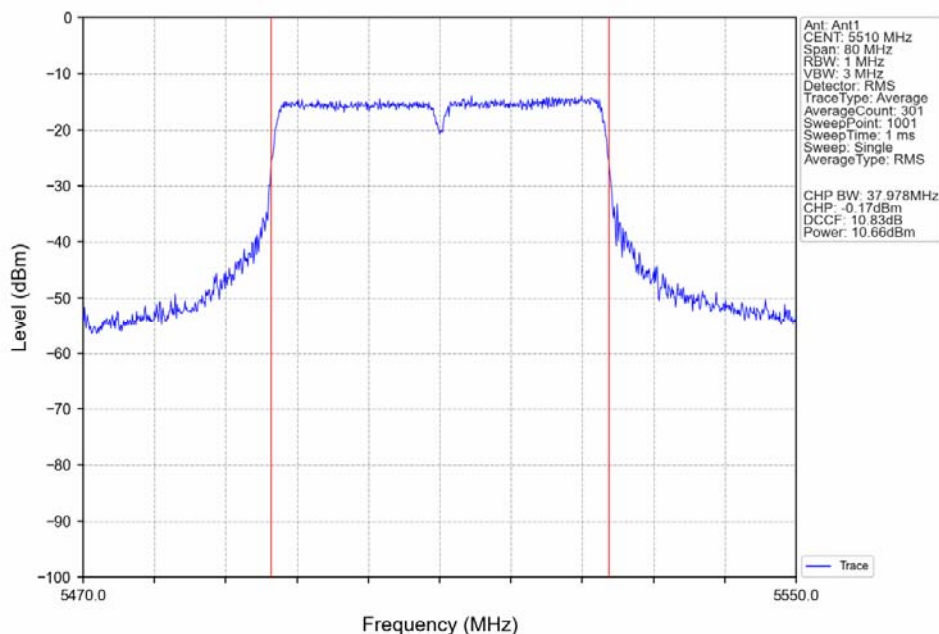
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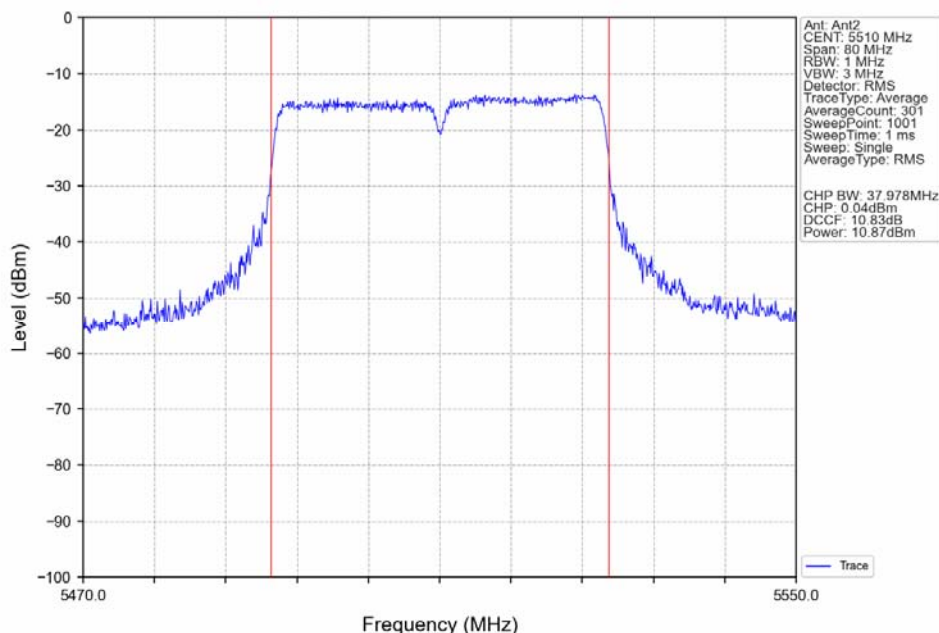
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_LCH_5510MHz_Ant2_NTNV



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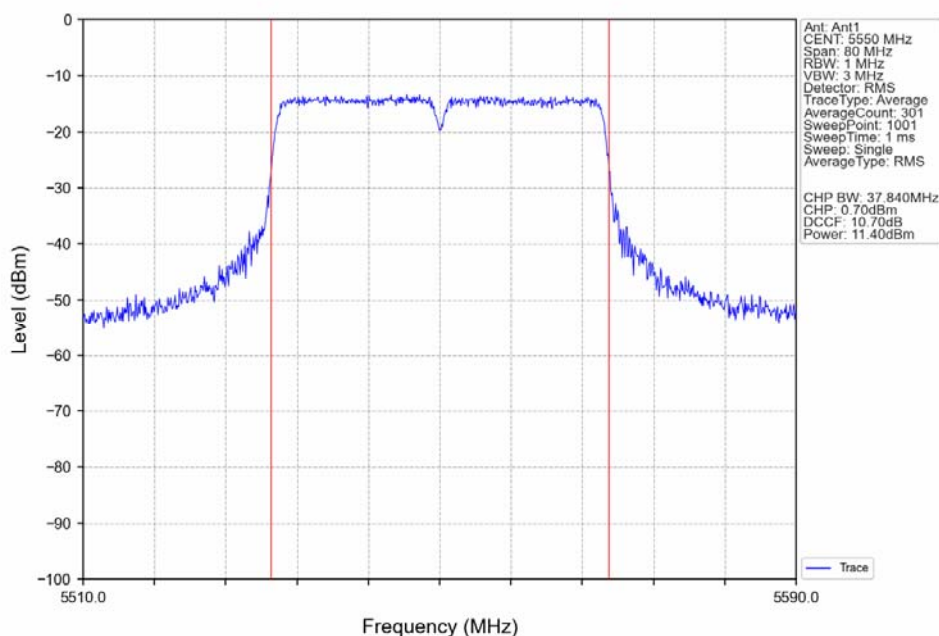
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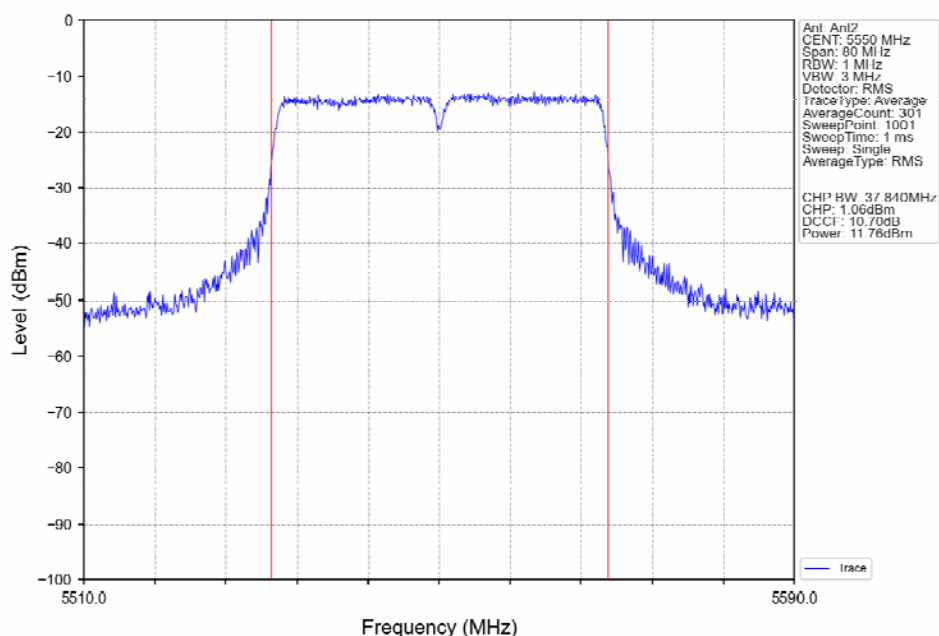
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant2_NTNV



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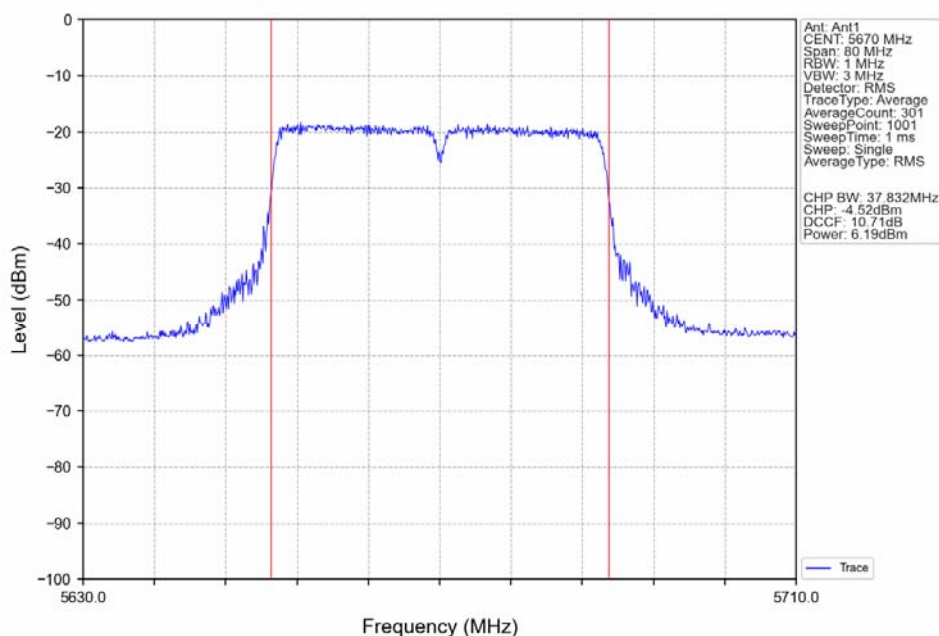
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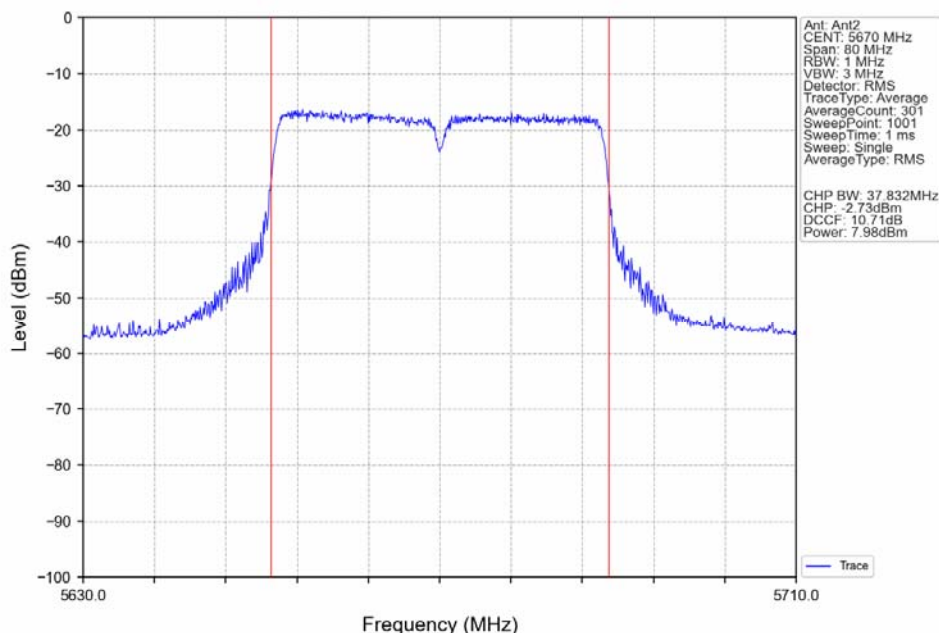
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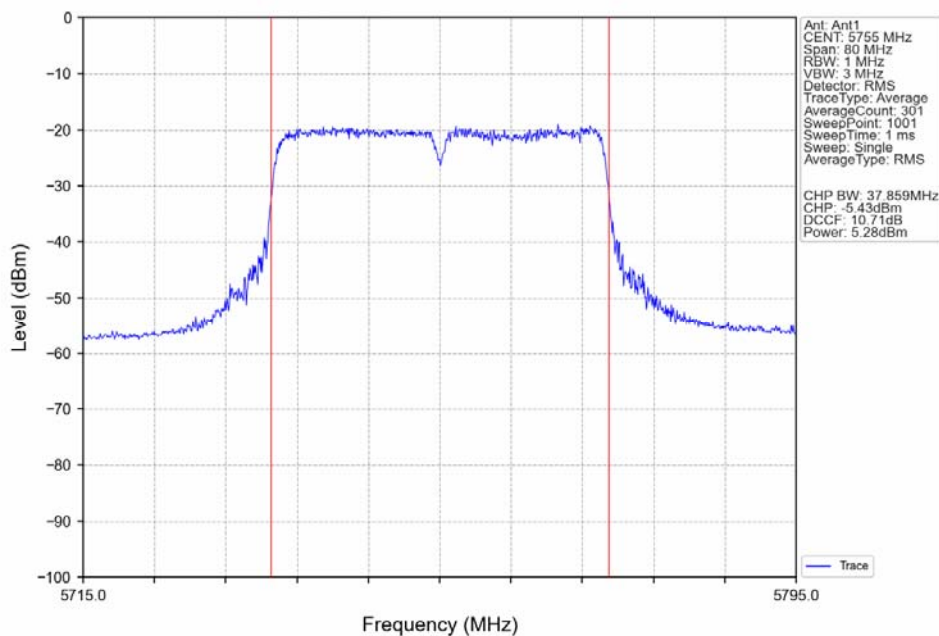
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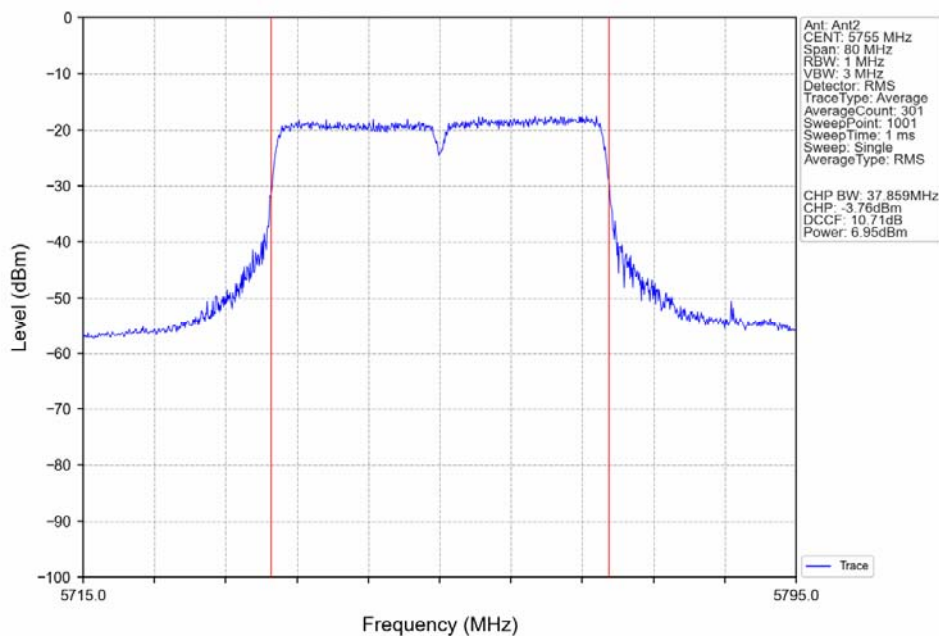
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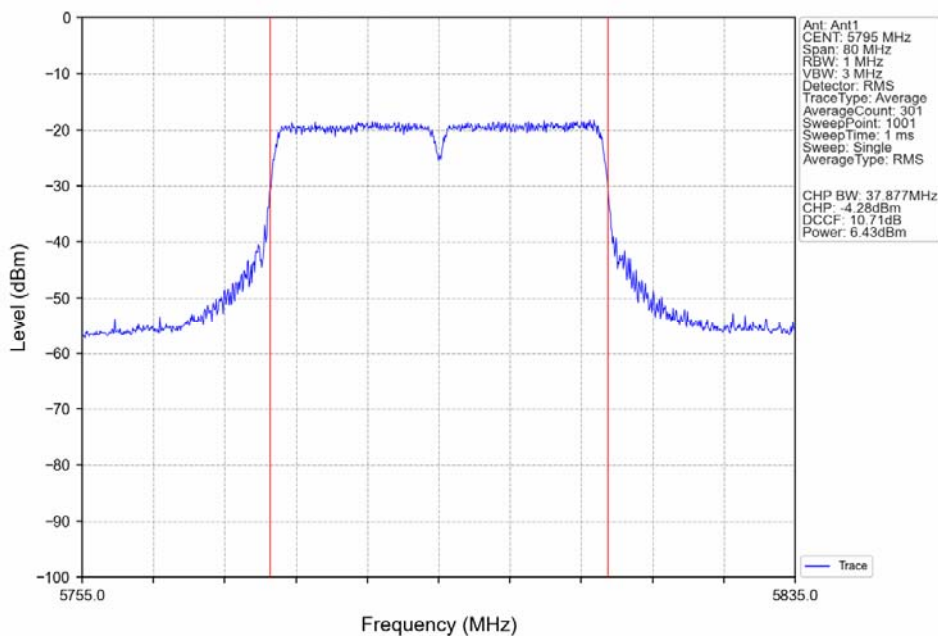
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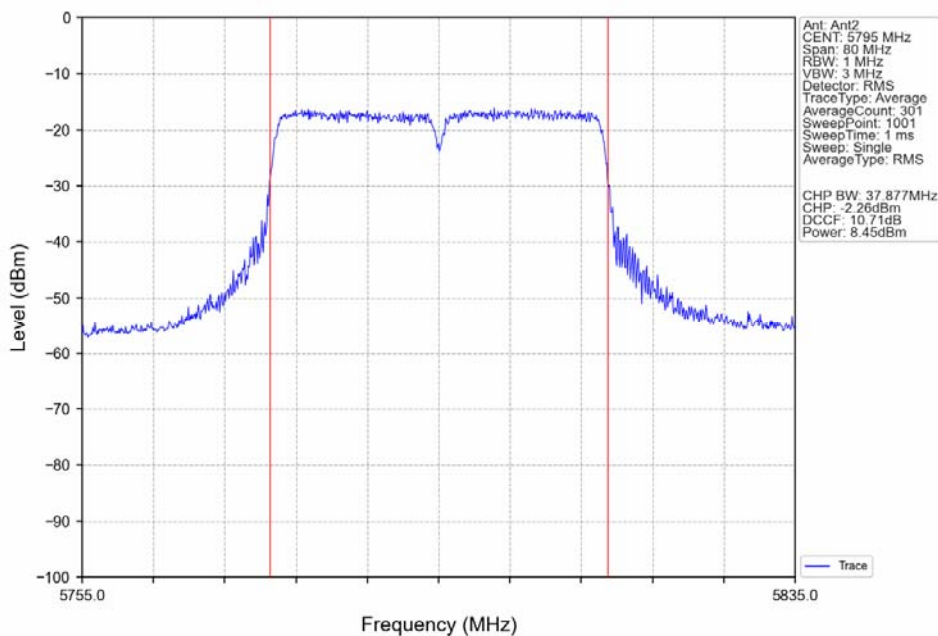
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



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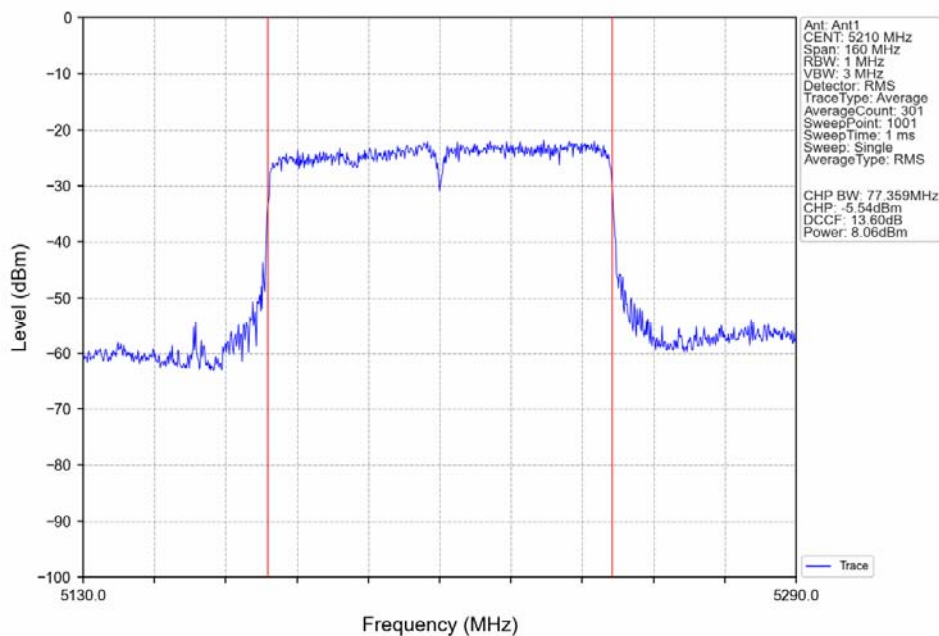
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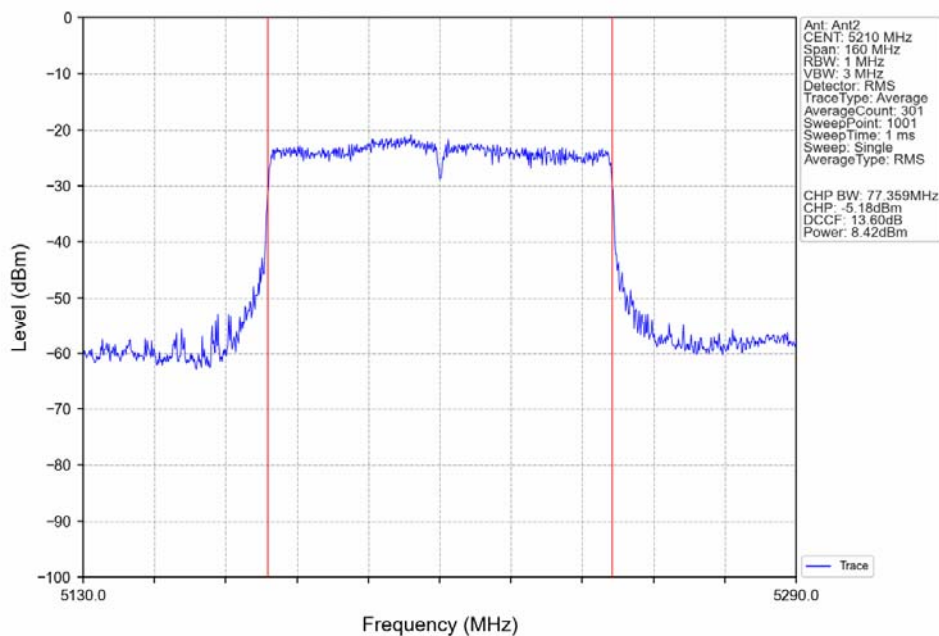
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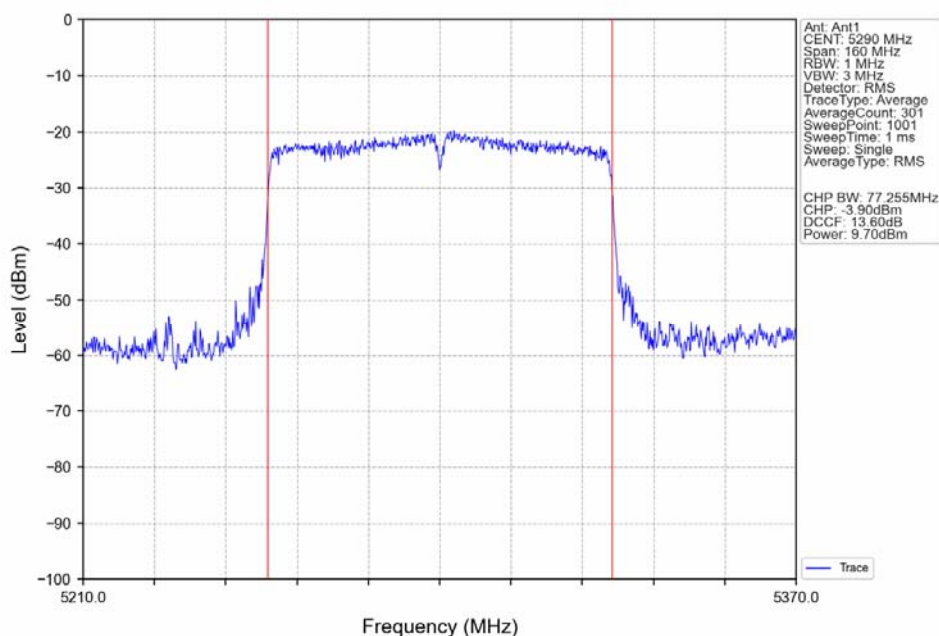
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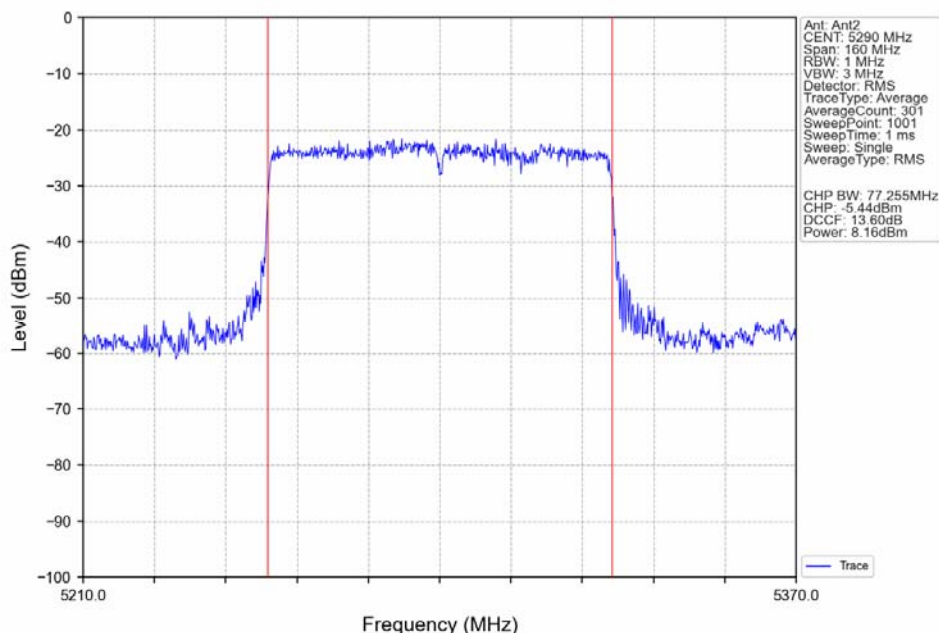
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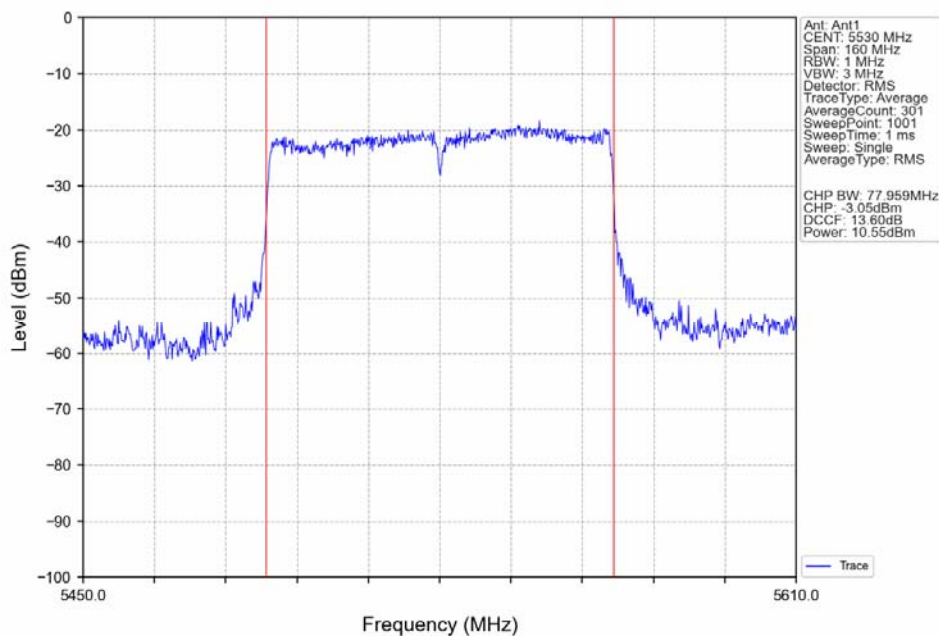
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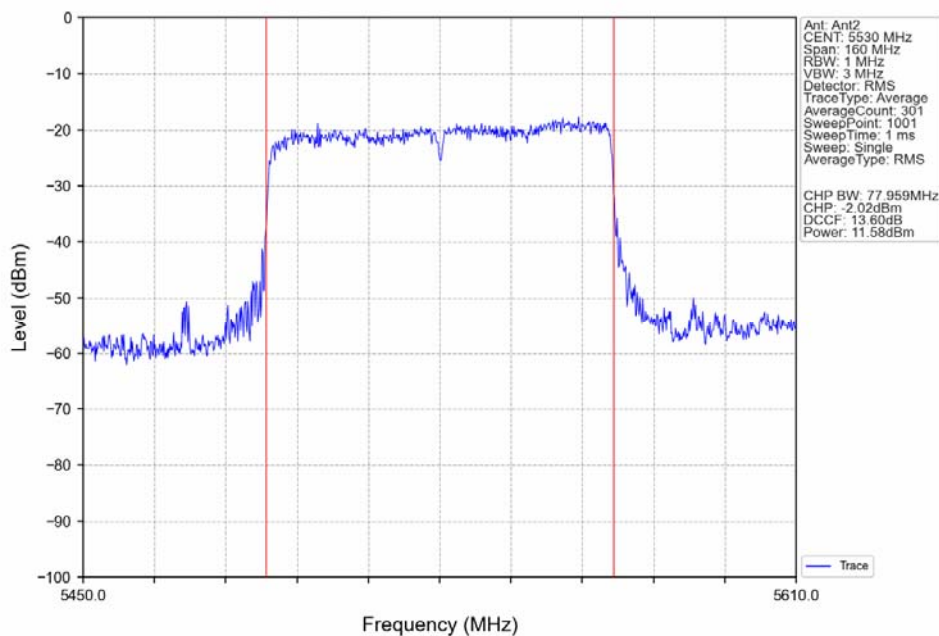
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



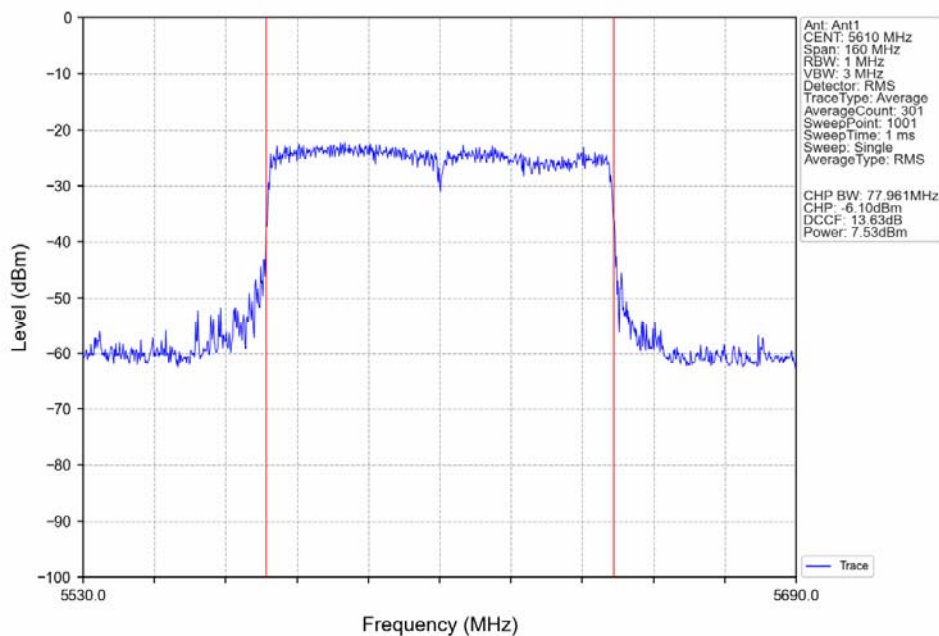
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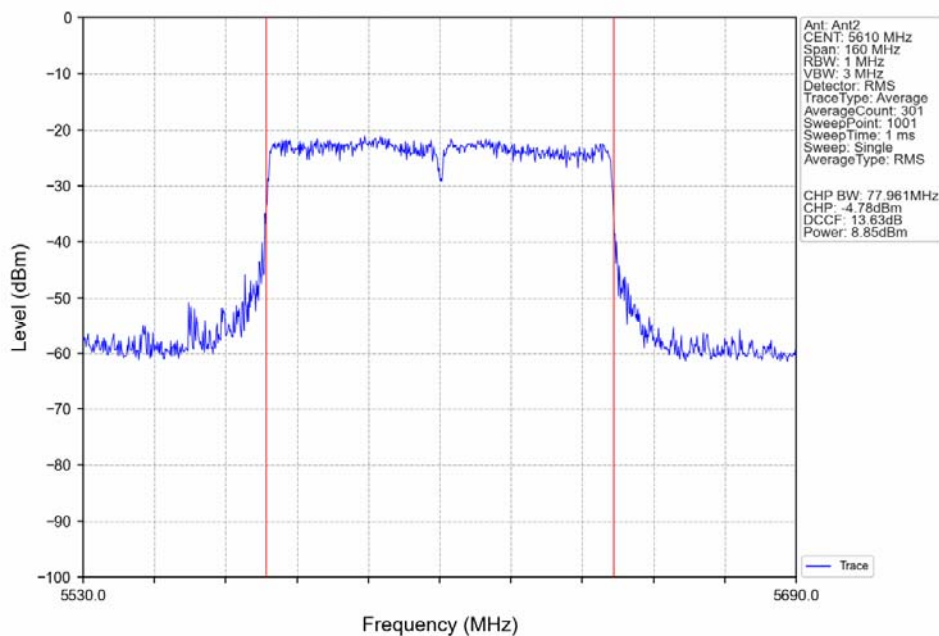
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



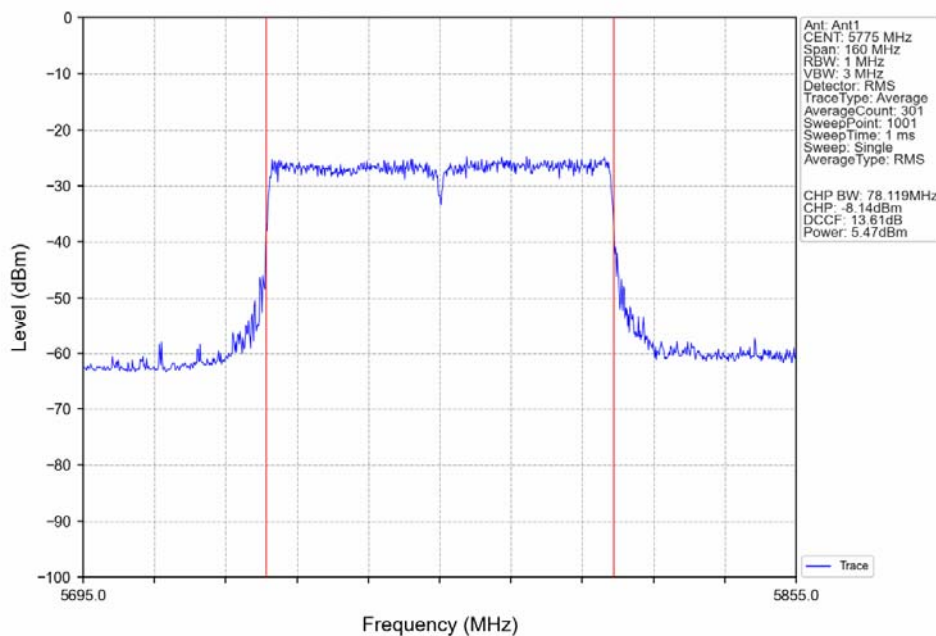
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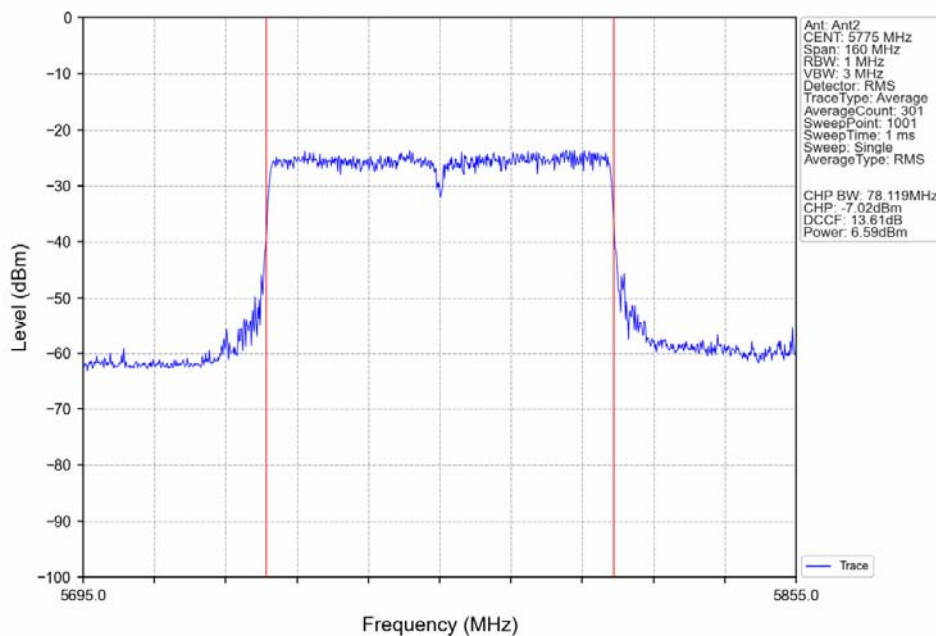
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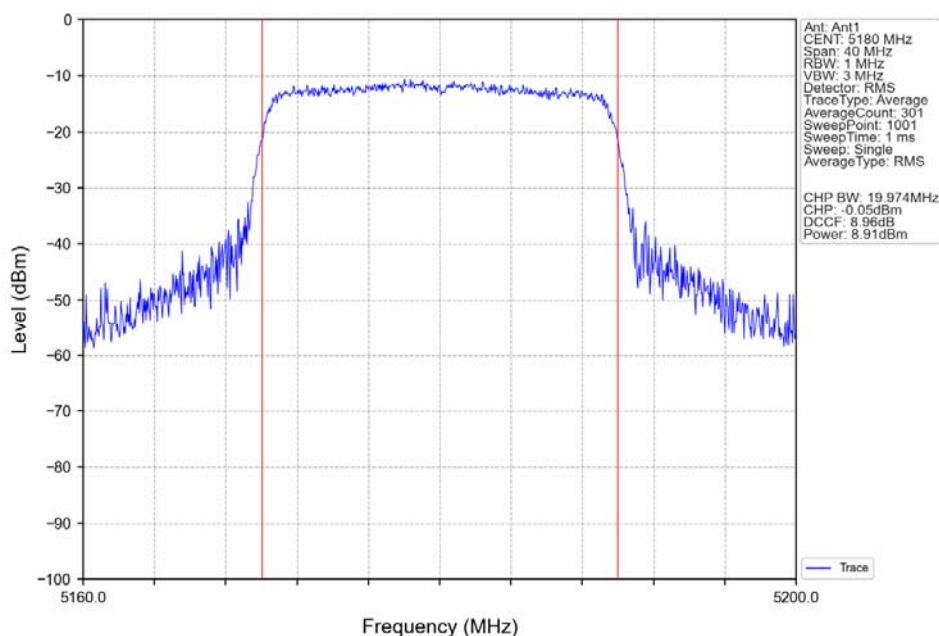
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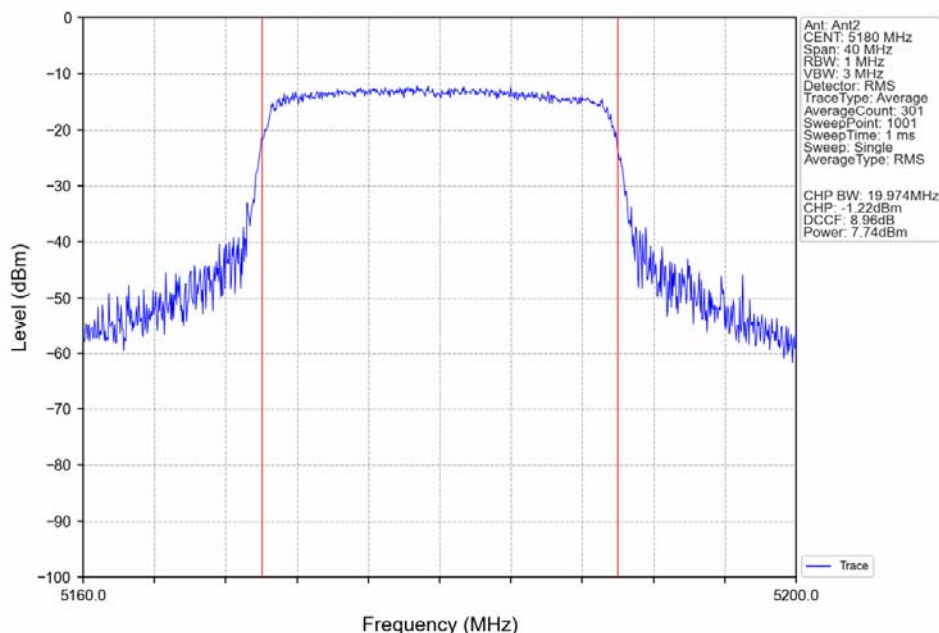
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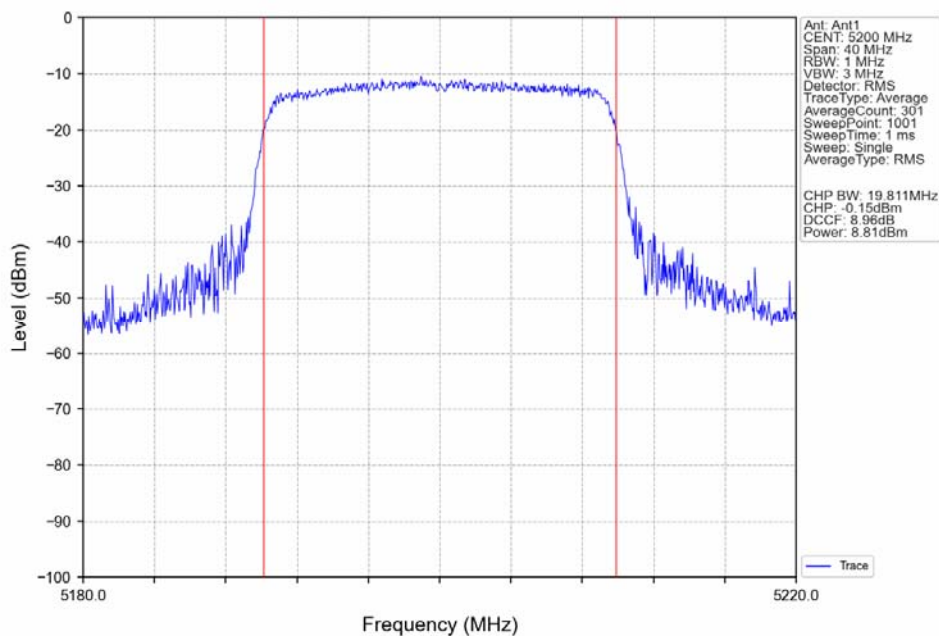
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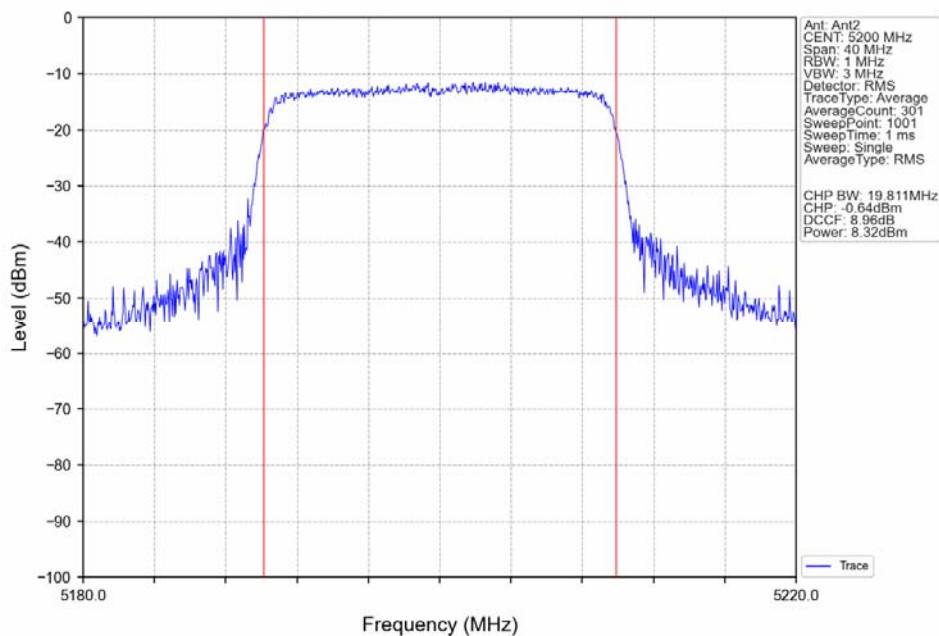
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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant2_NTNV



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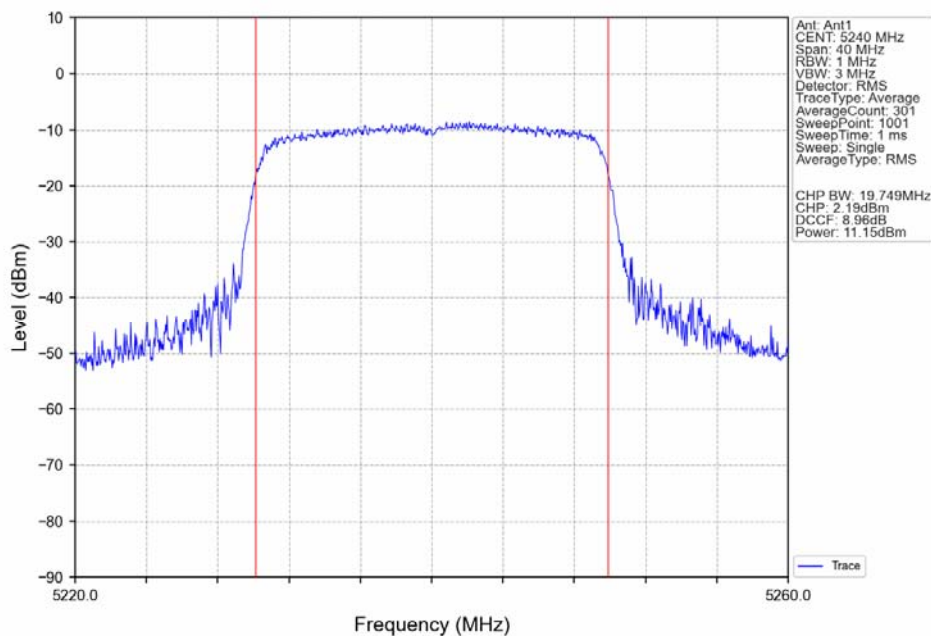
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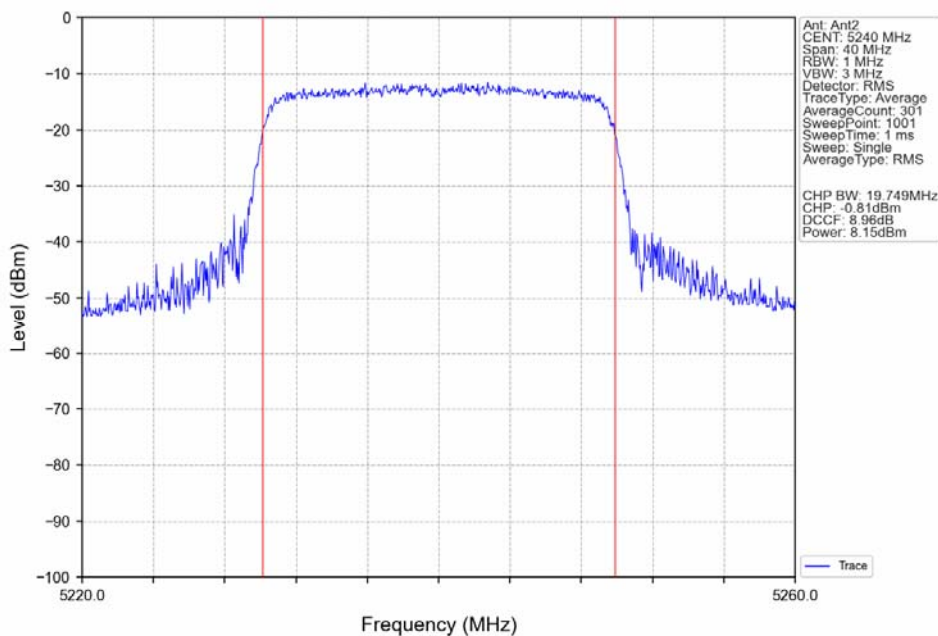
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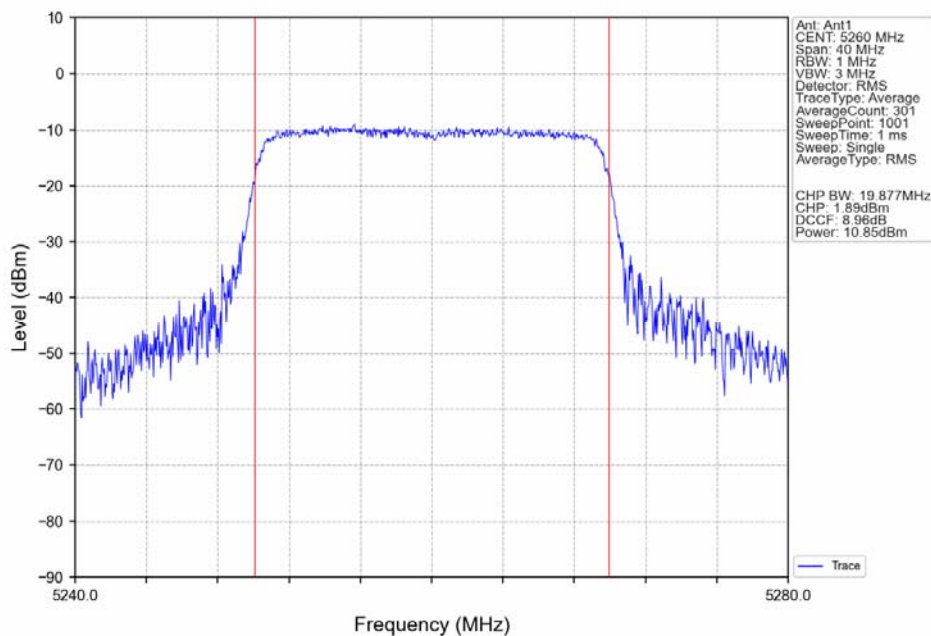
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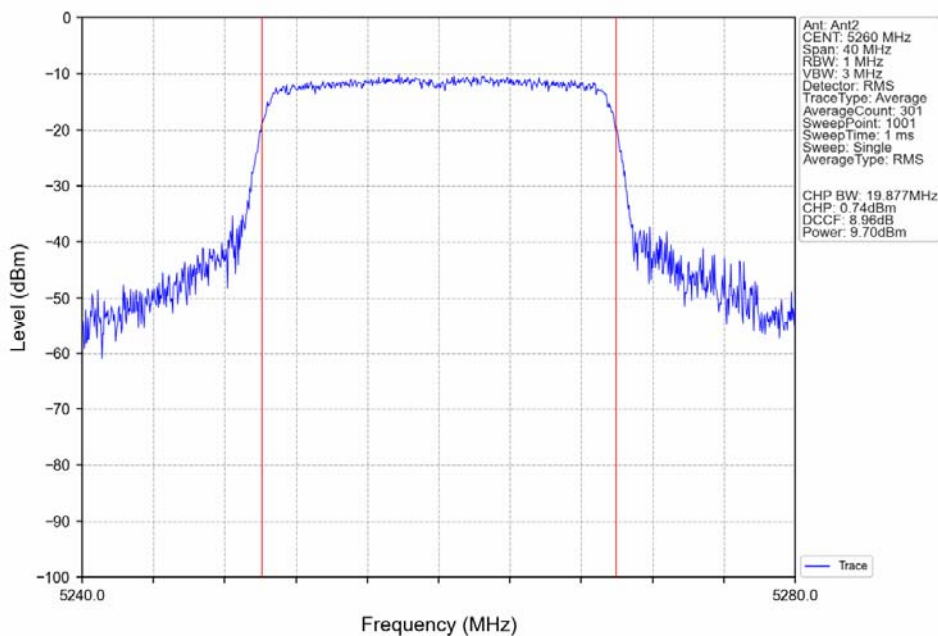
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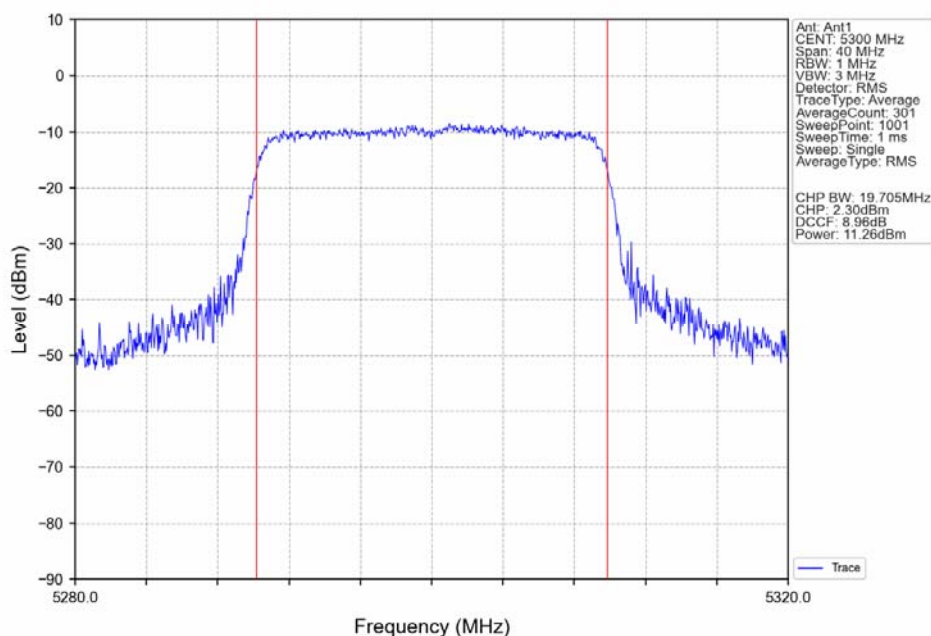
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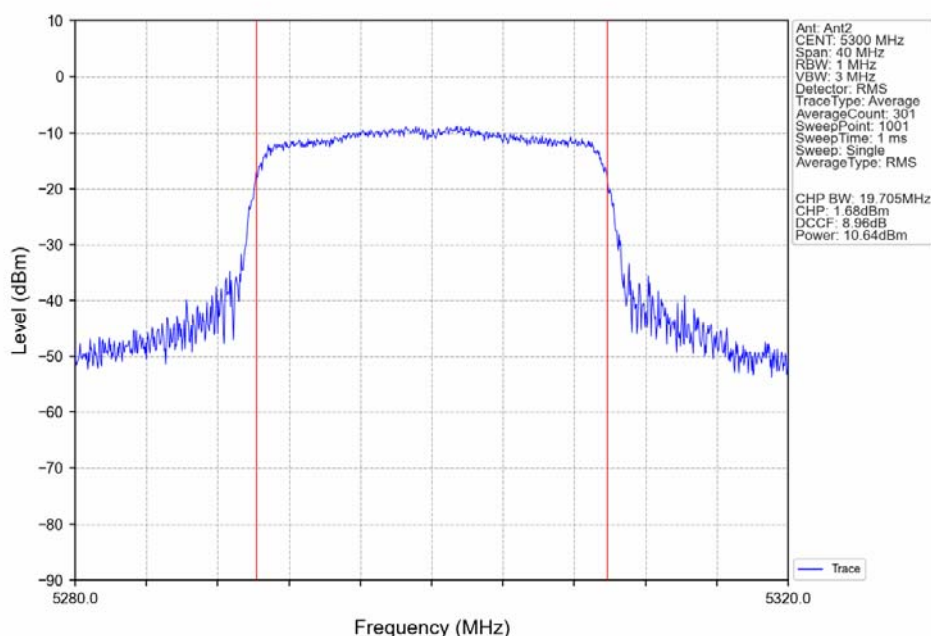
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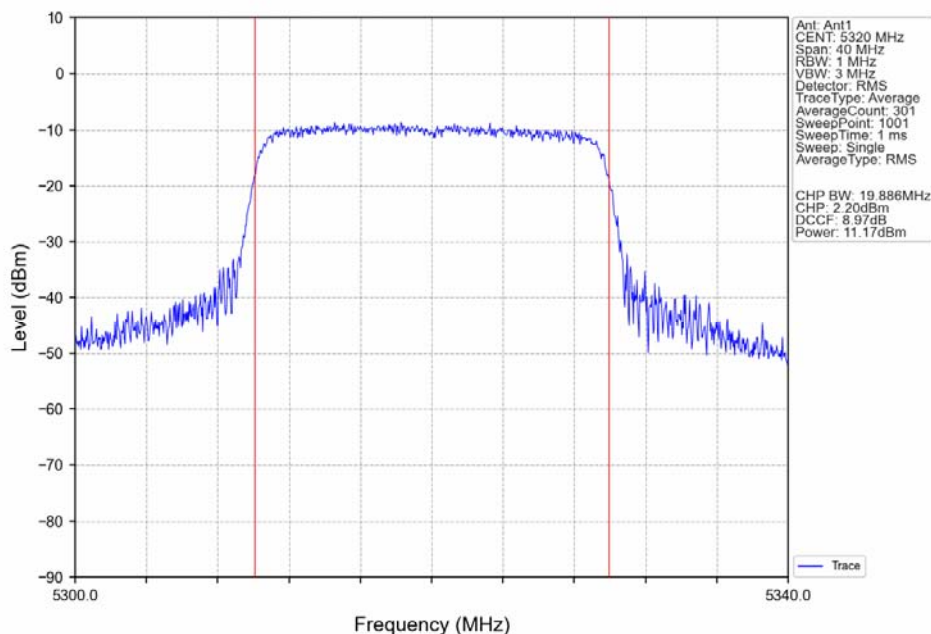
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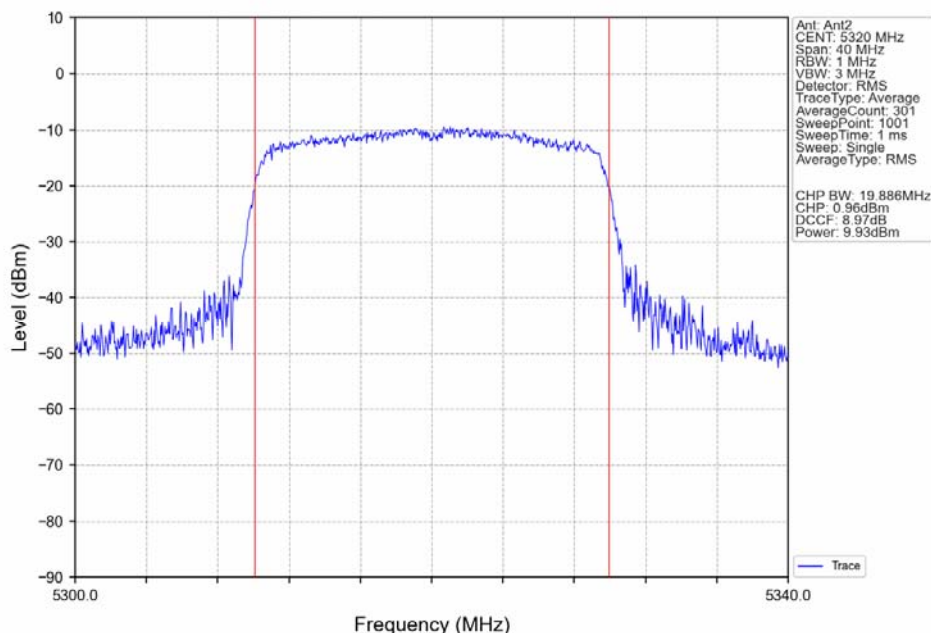
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802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant2_NTNV



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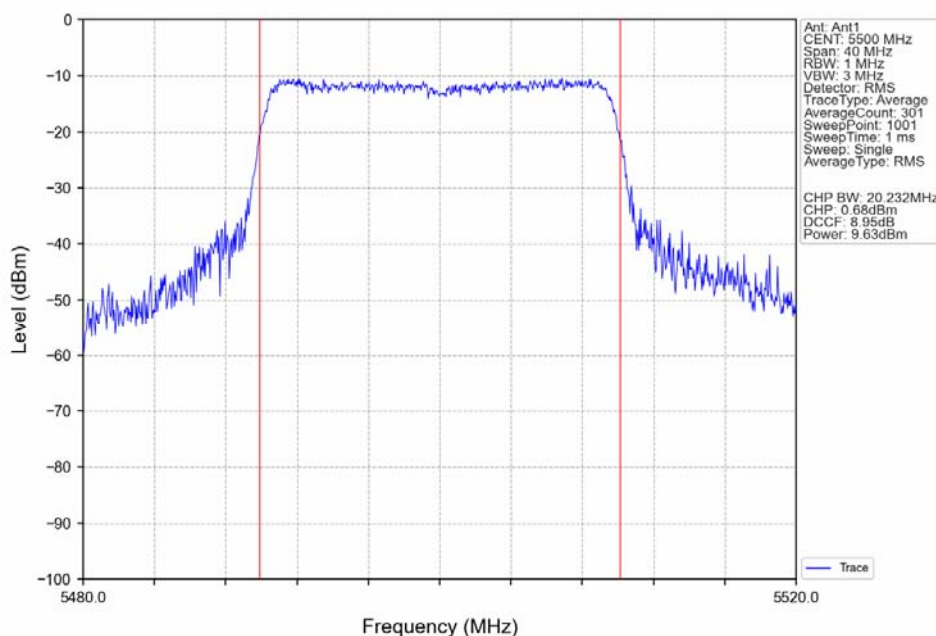
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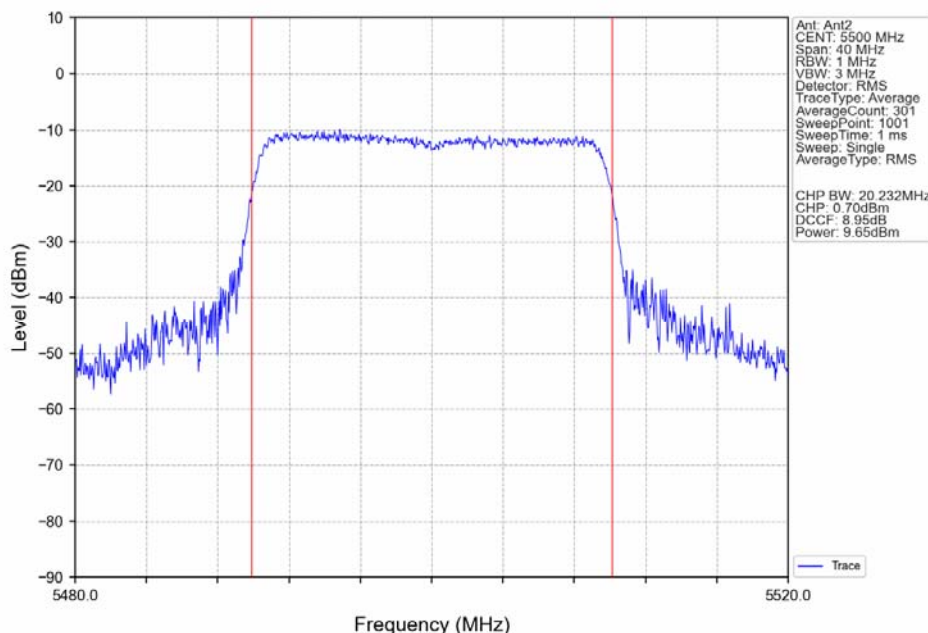
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802.11ax(HEW20)_LCH_5500MHz_RU242_Left_Ant1_NTNV



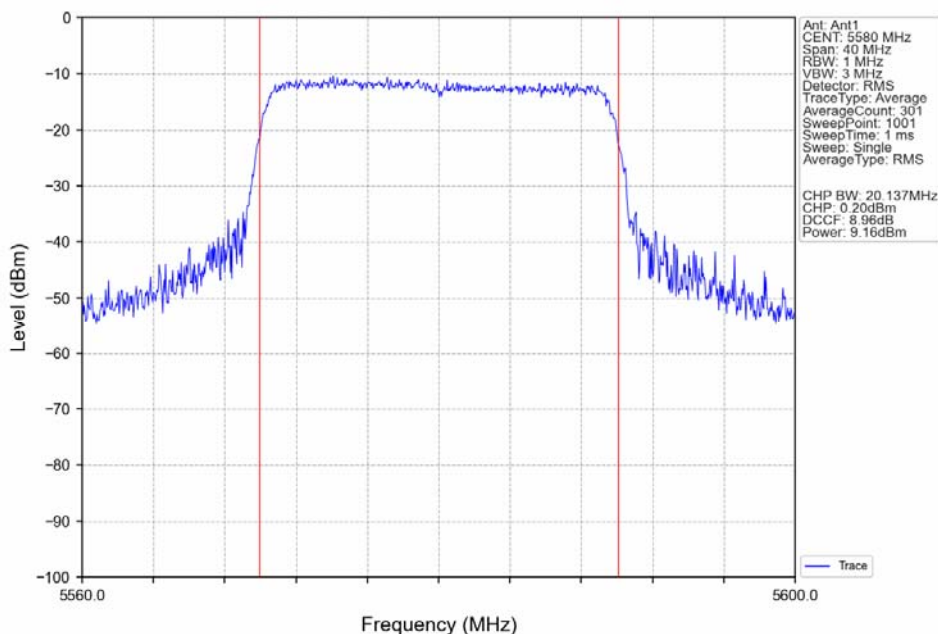
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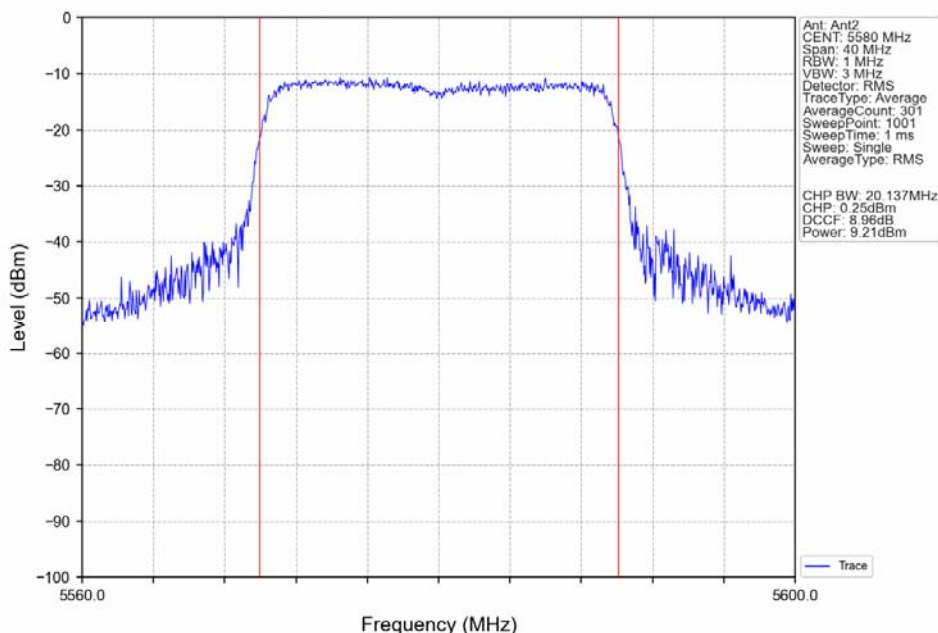
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802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



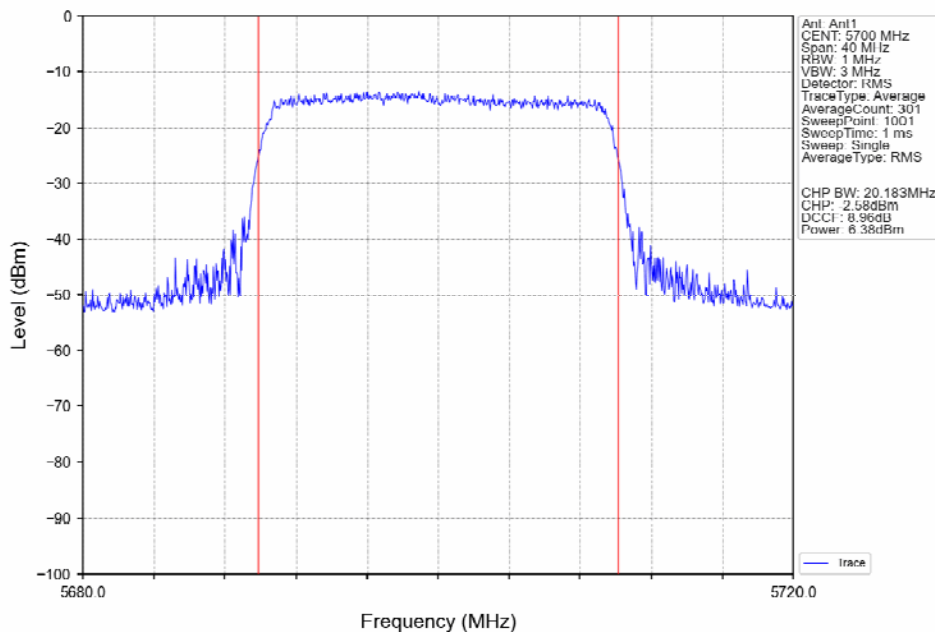
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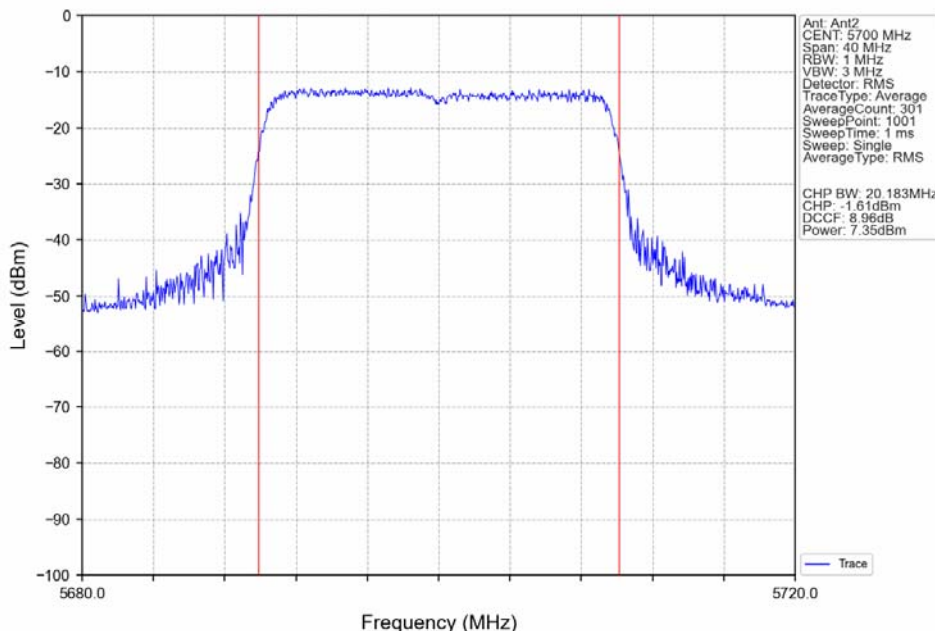
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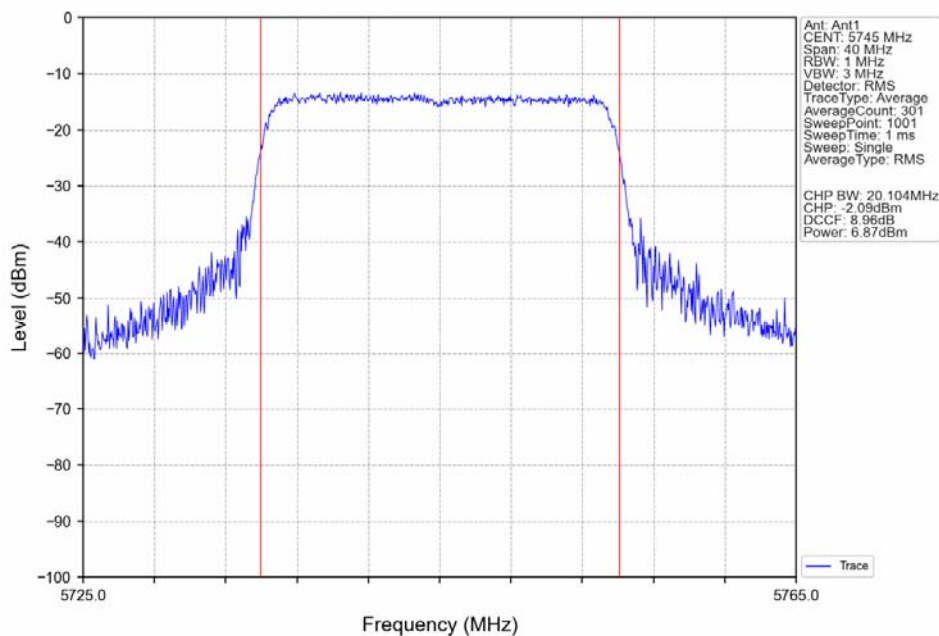
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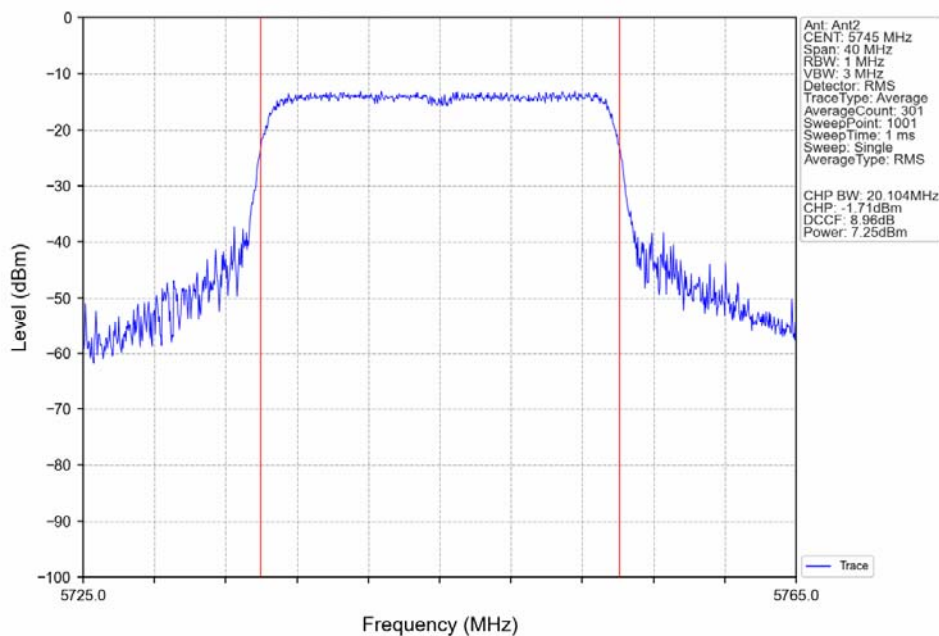
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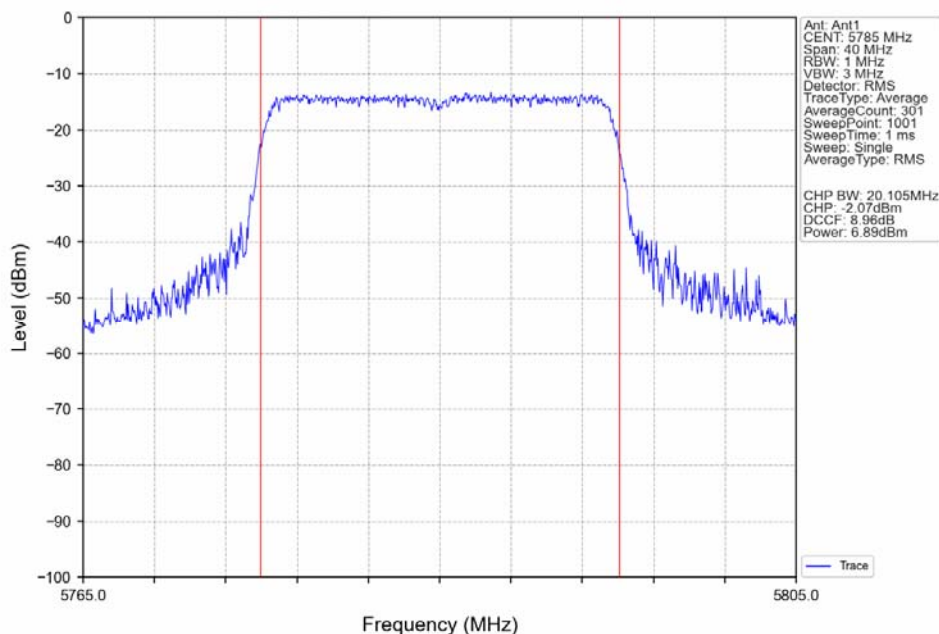
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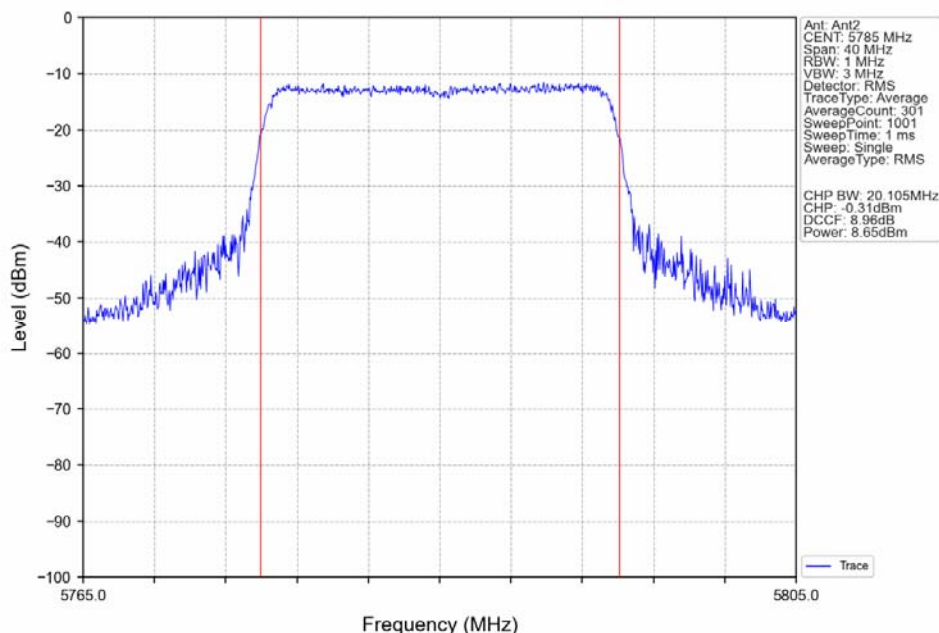
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802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



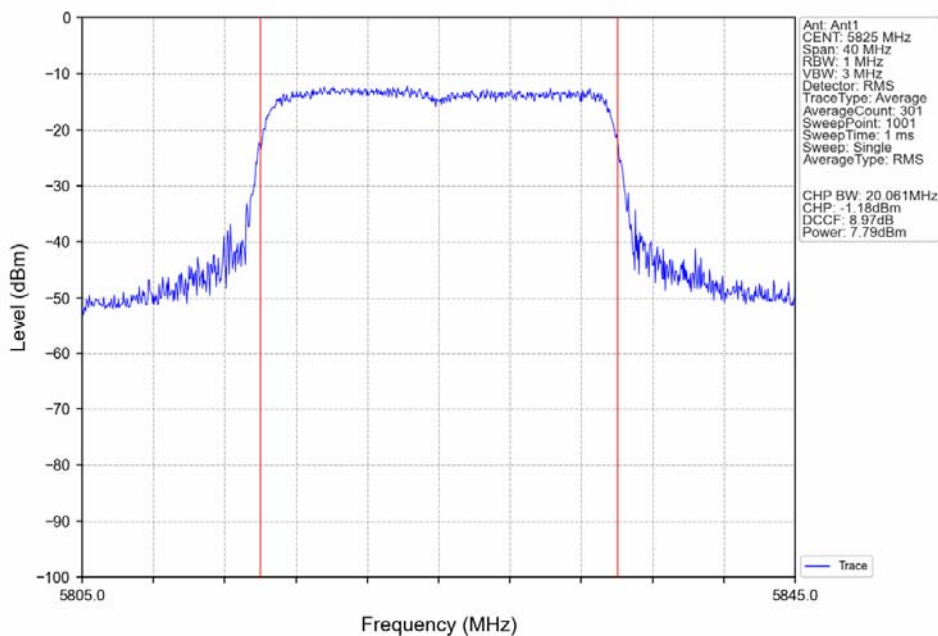
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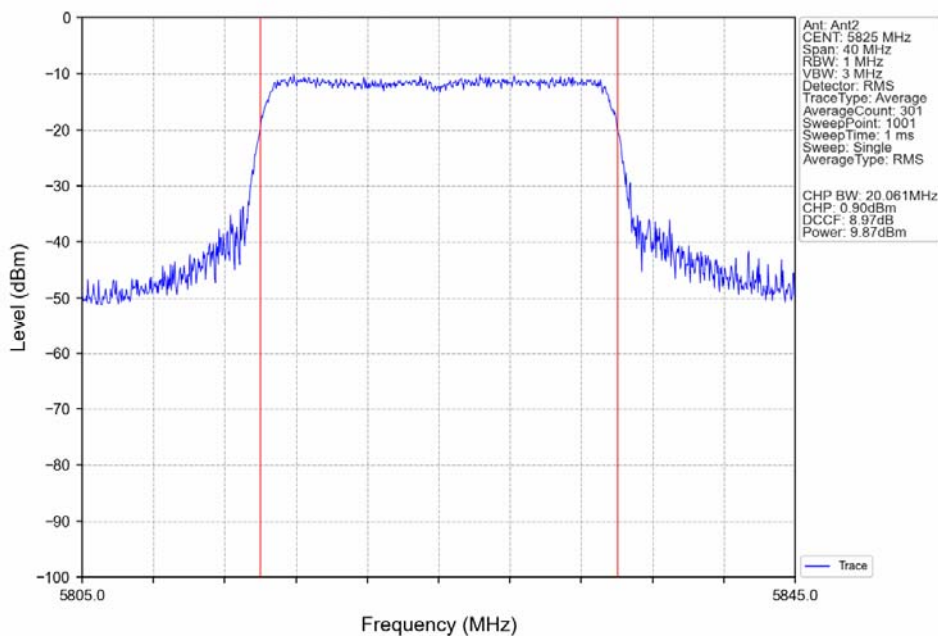
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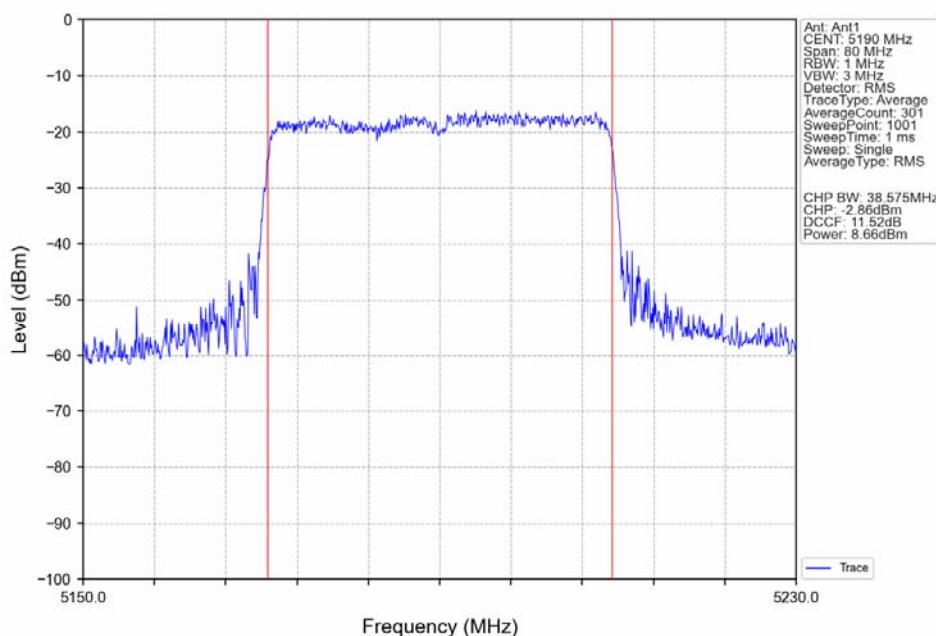
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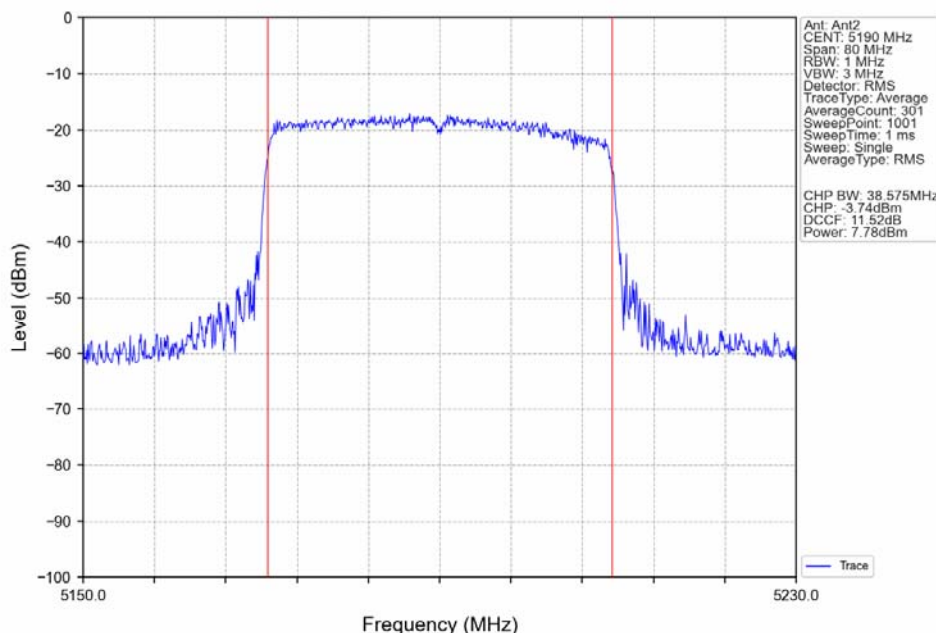
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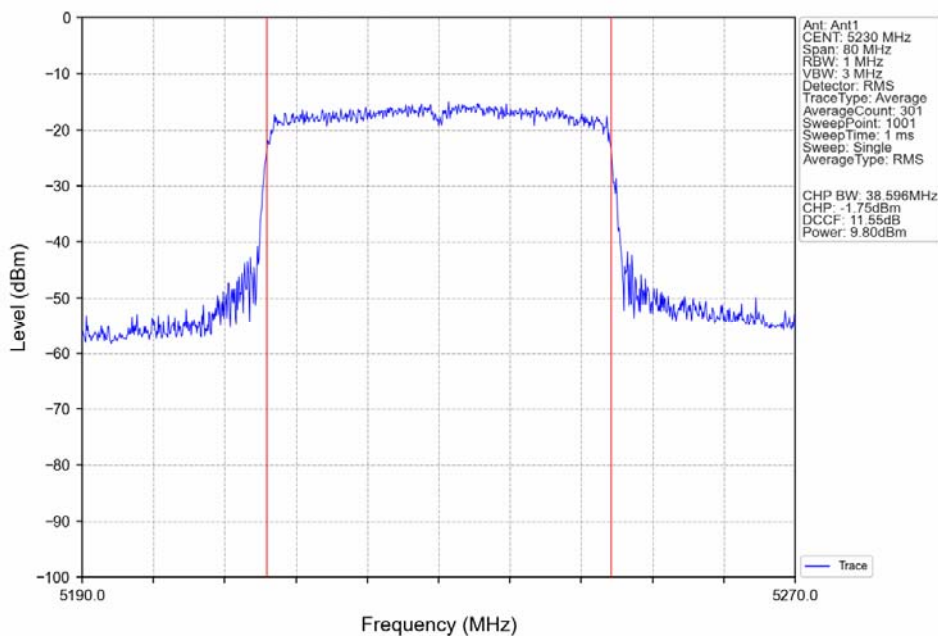
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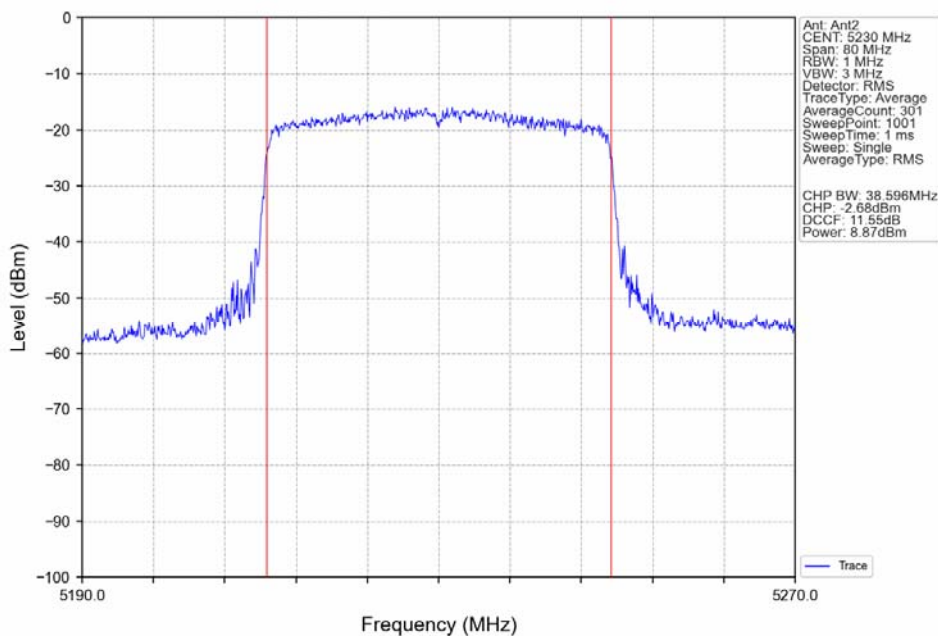
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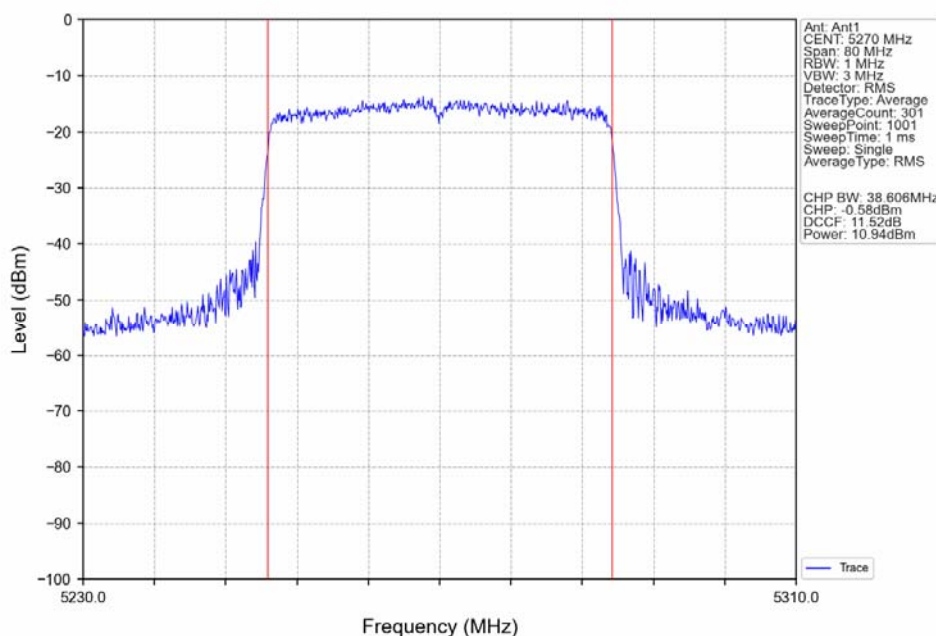
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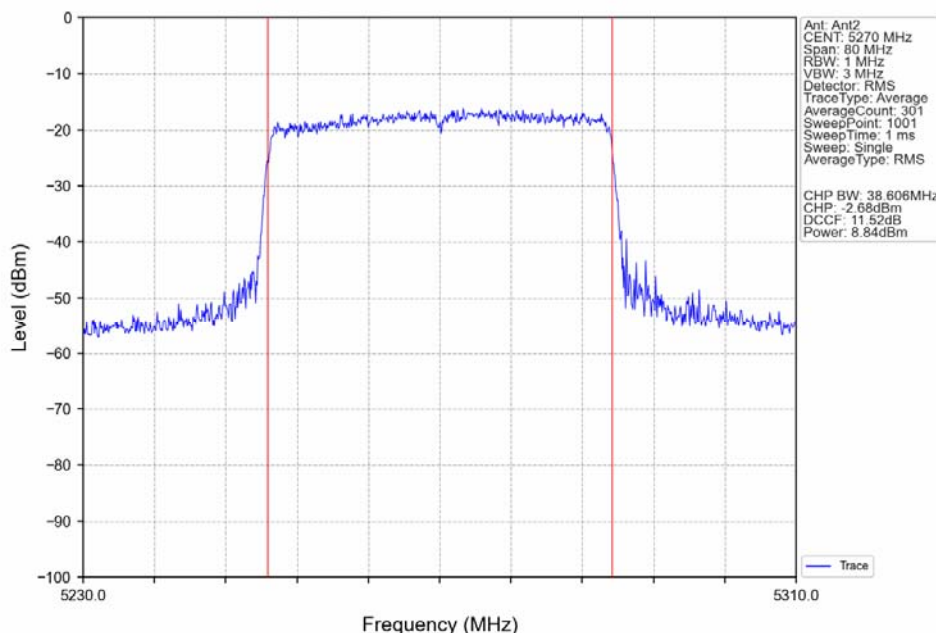
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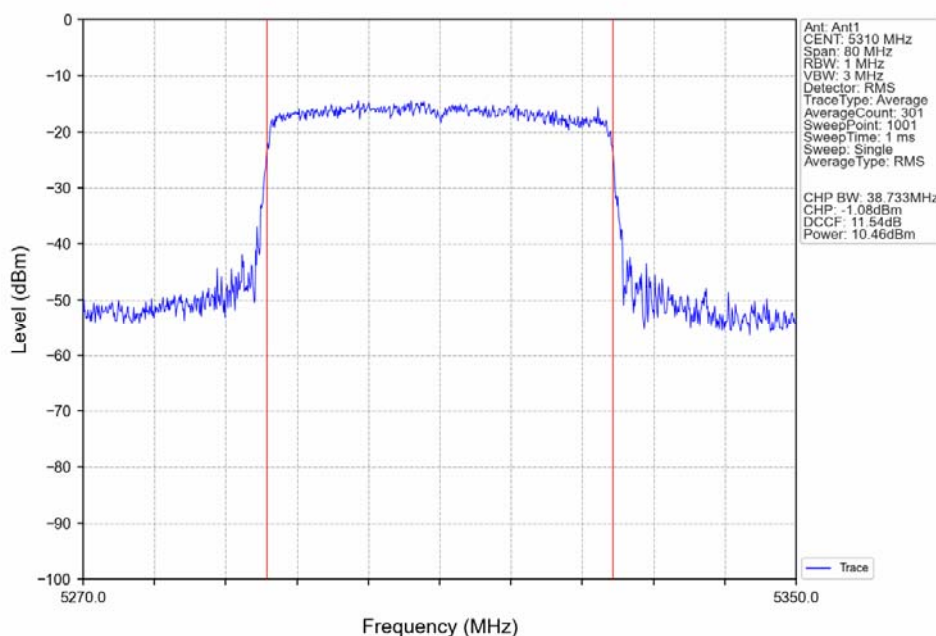
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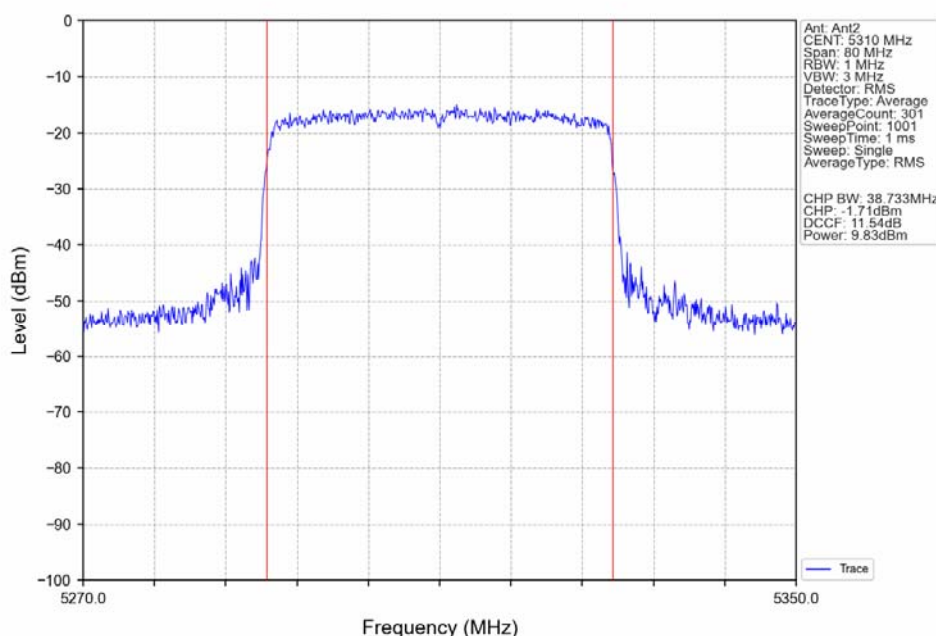
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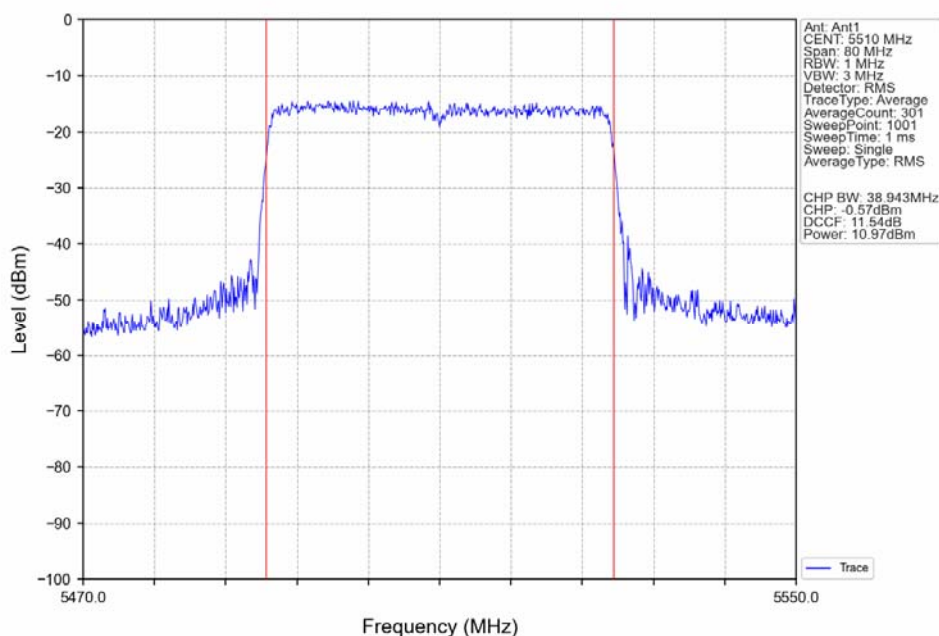
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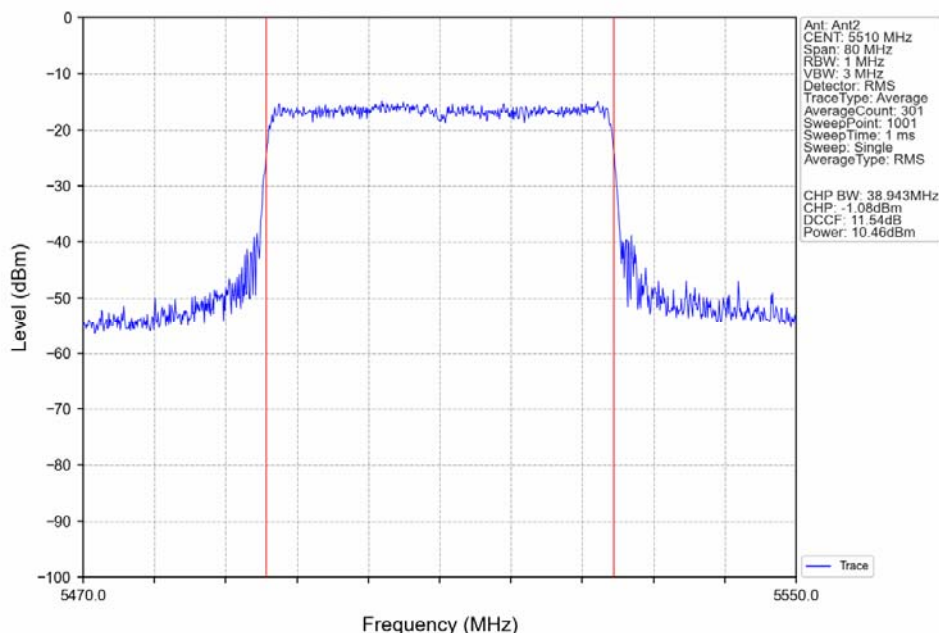
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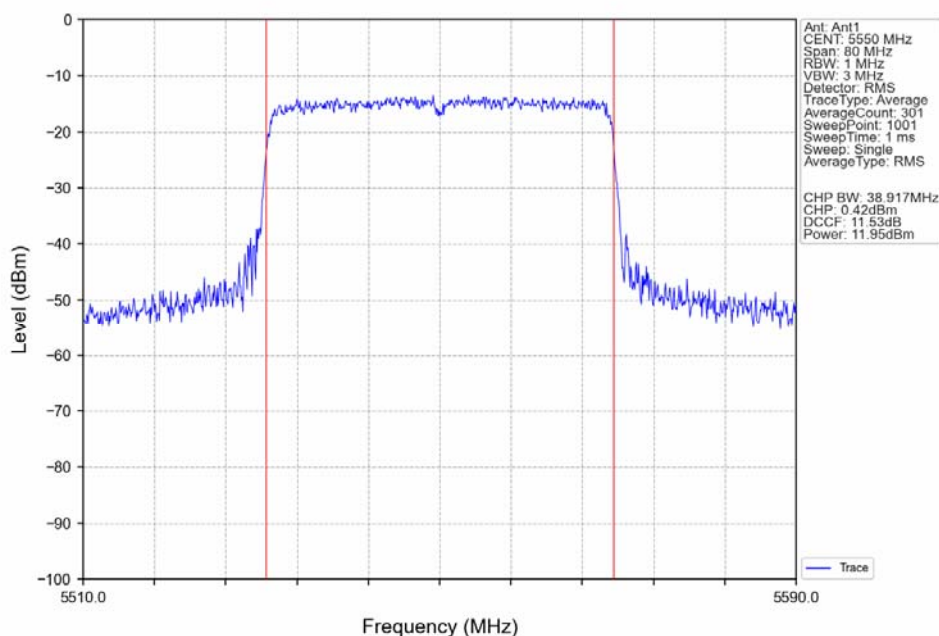
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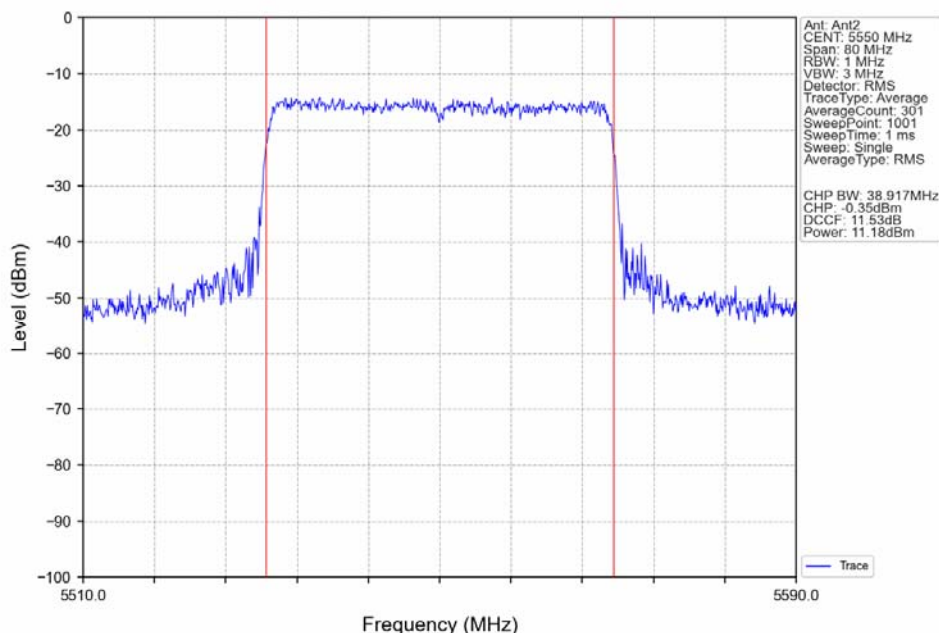
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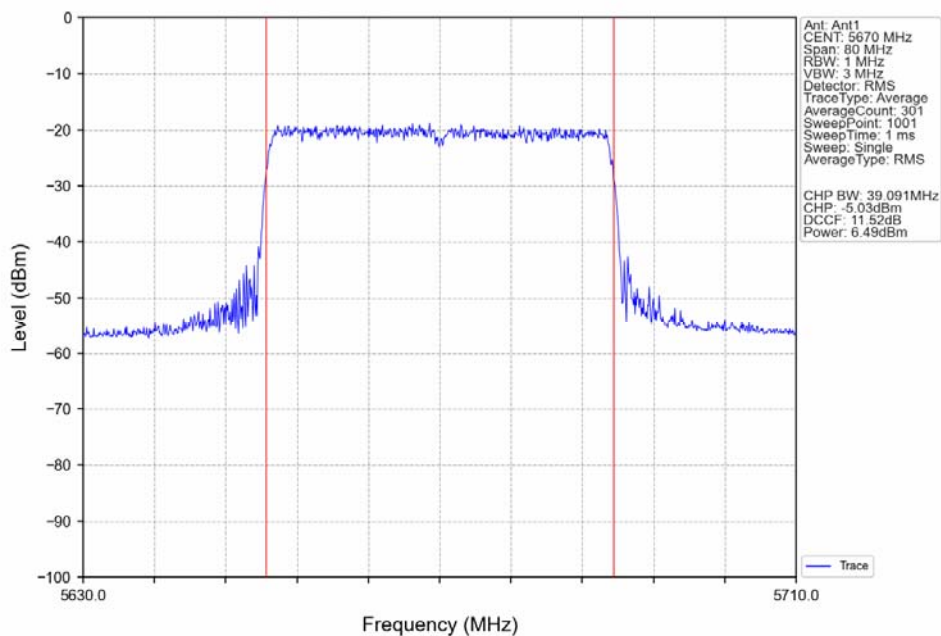
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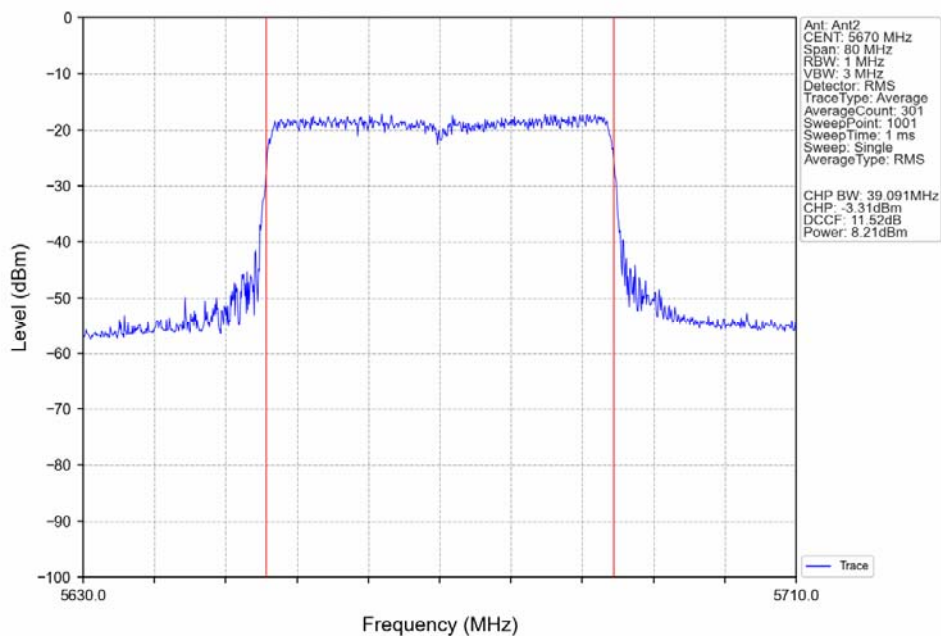
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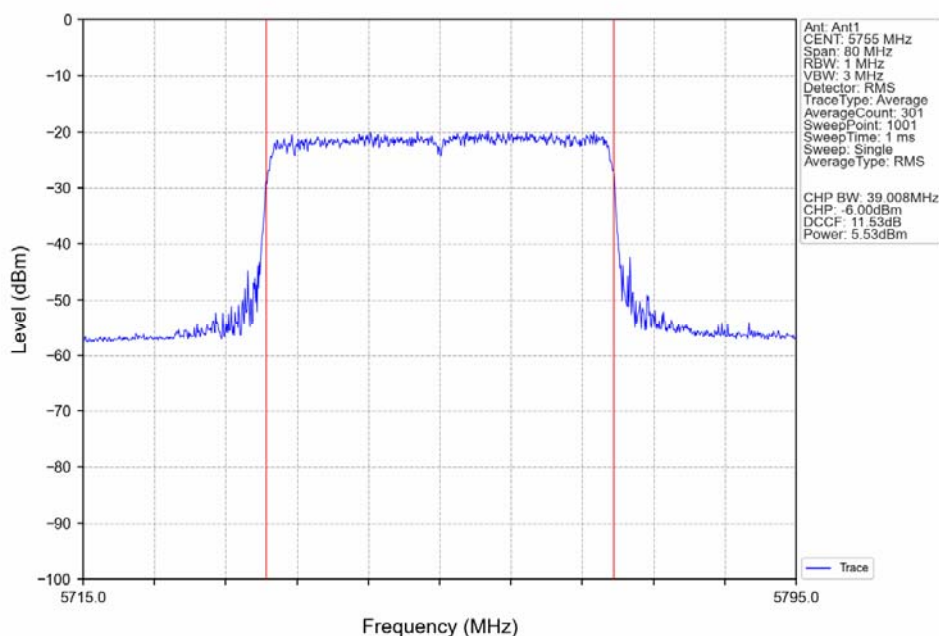
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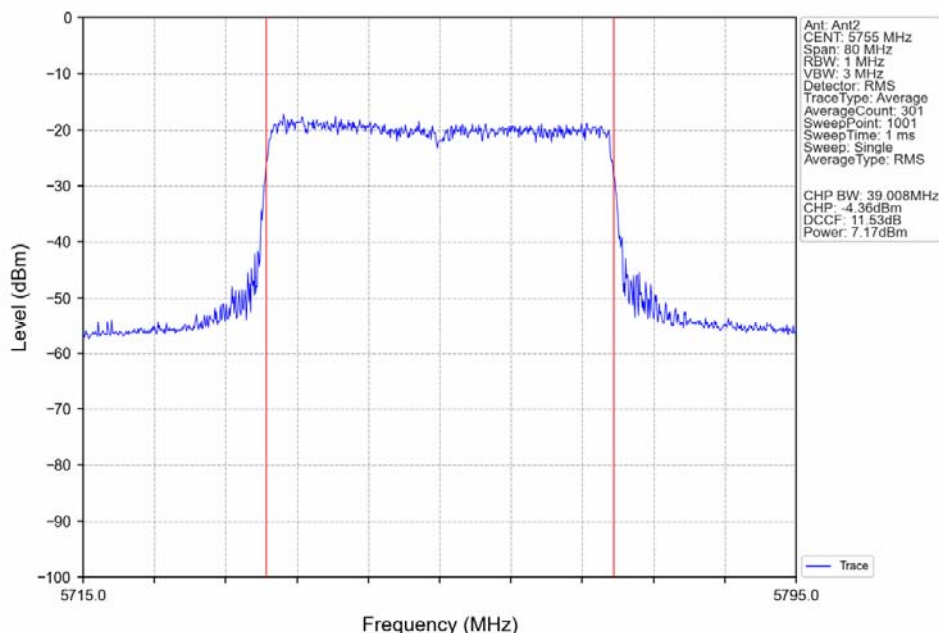
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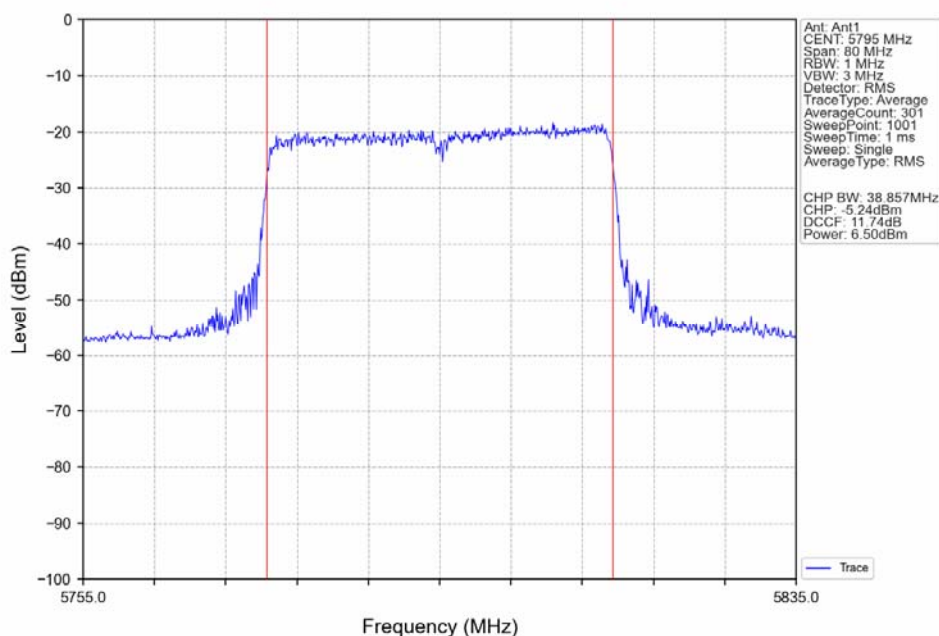
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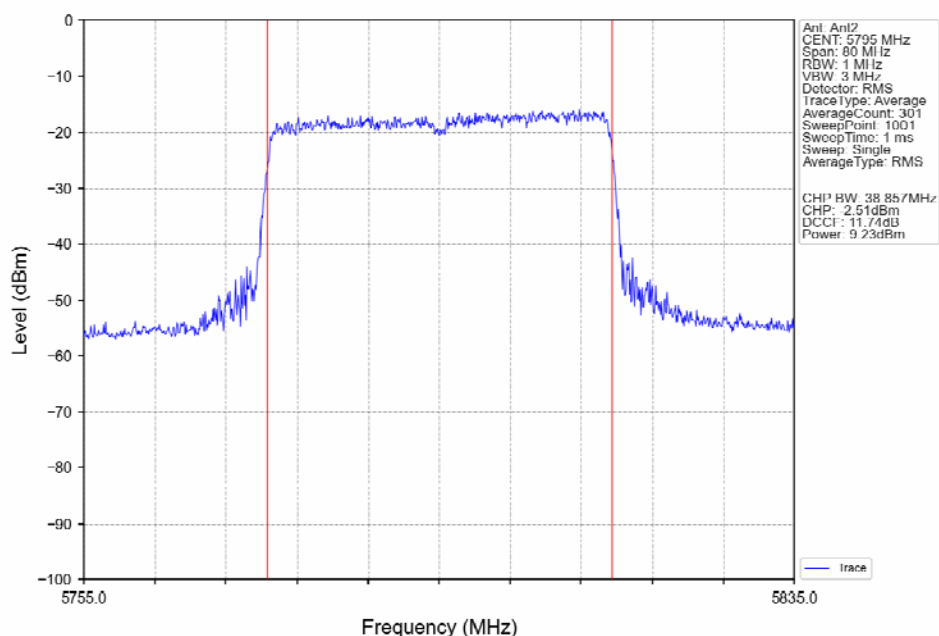
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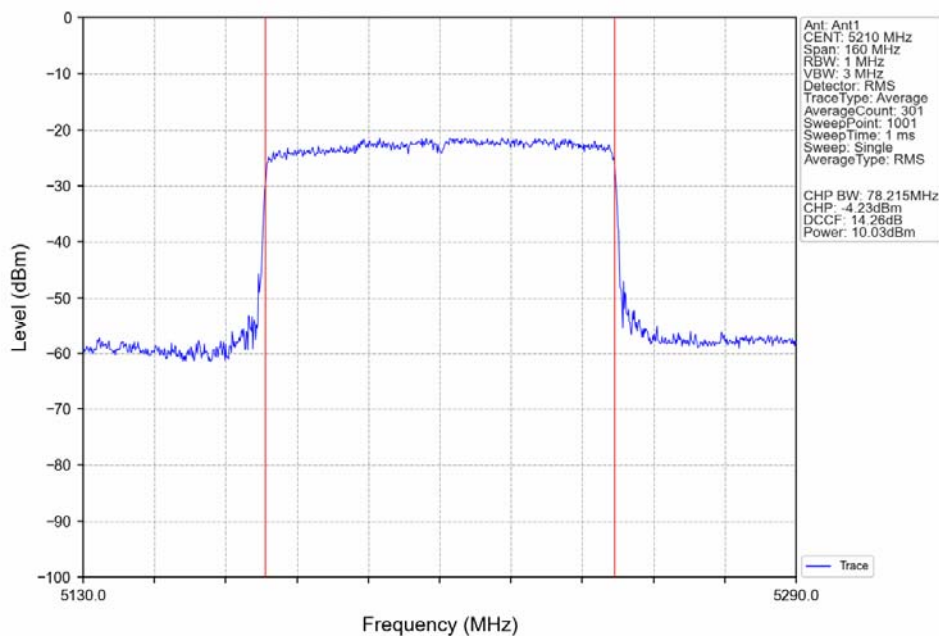
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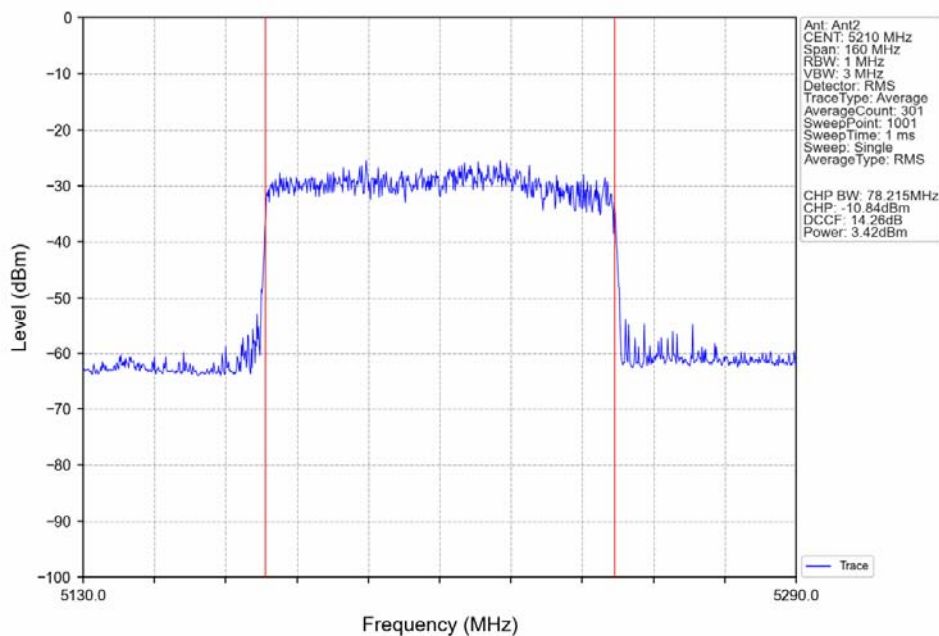
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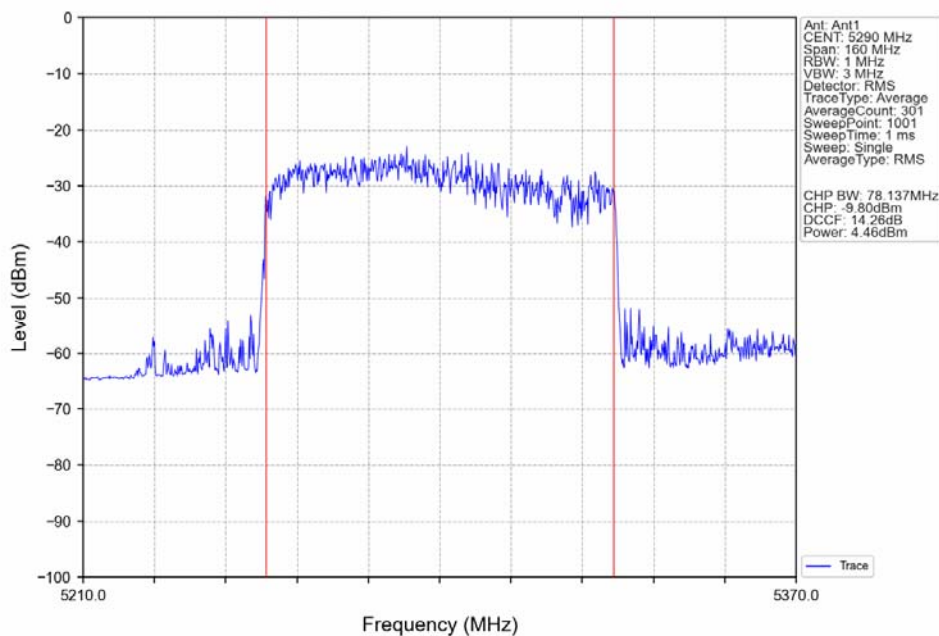
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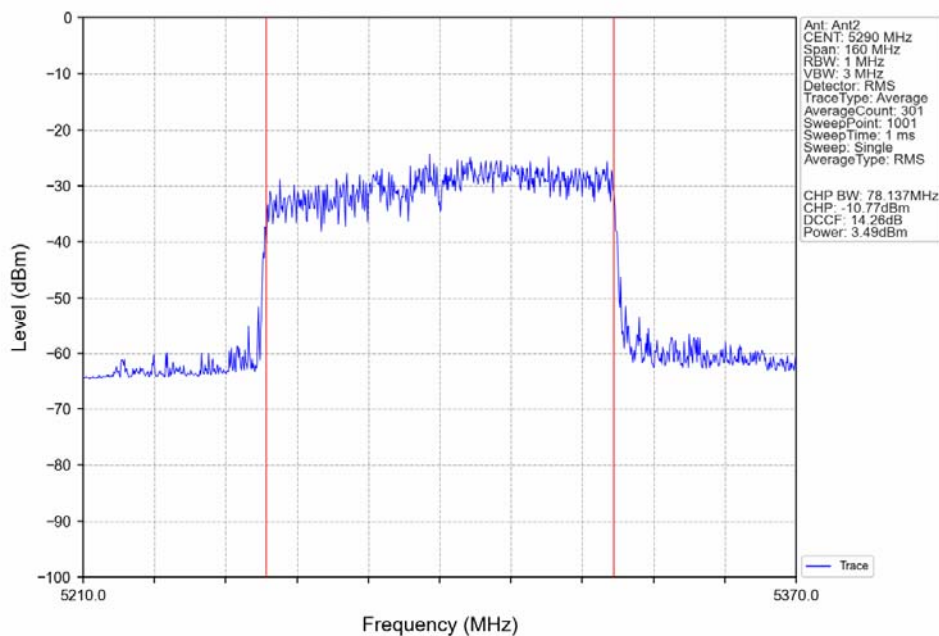
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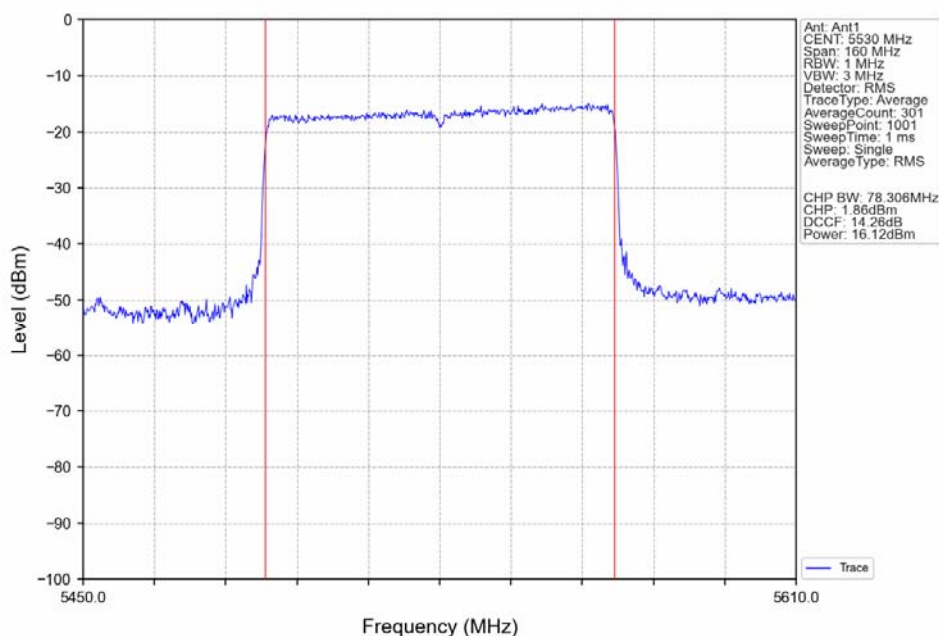
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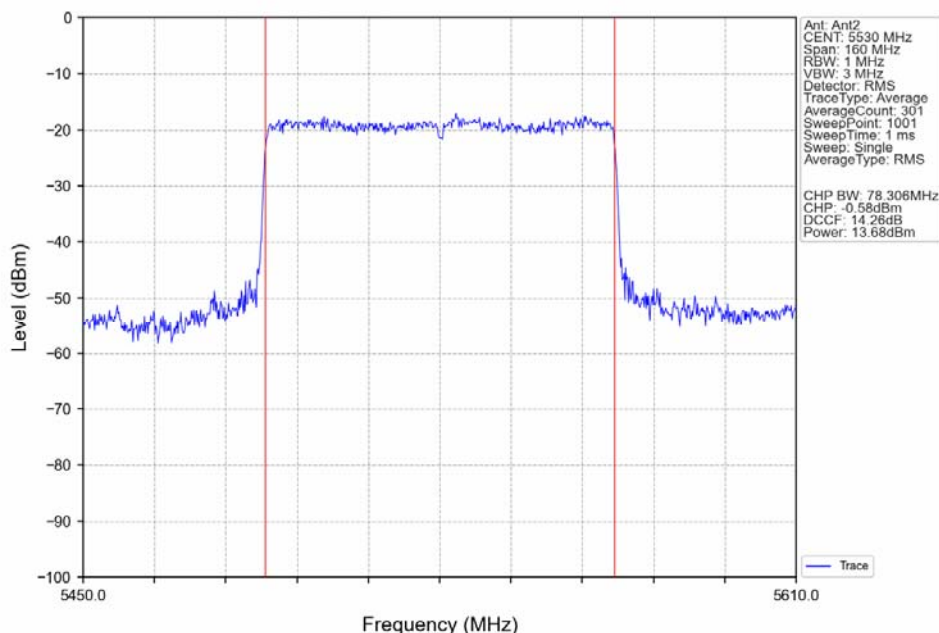
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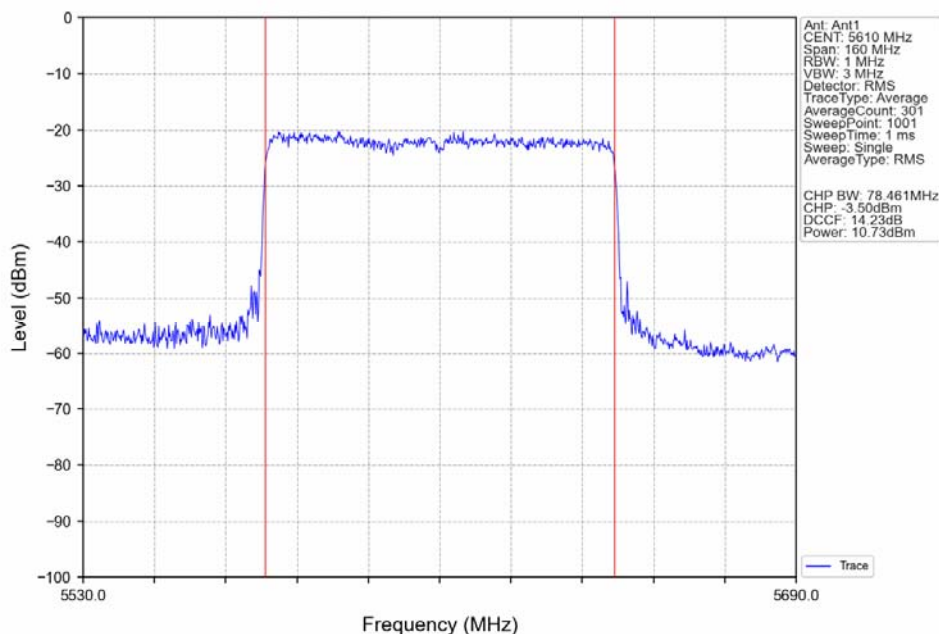
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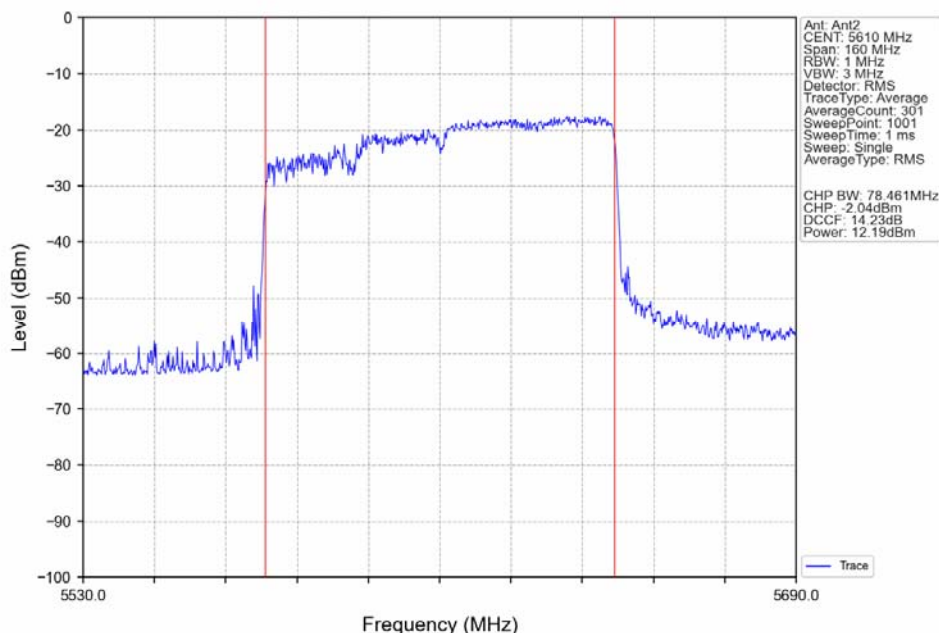
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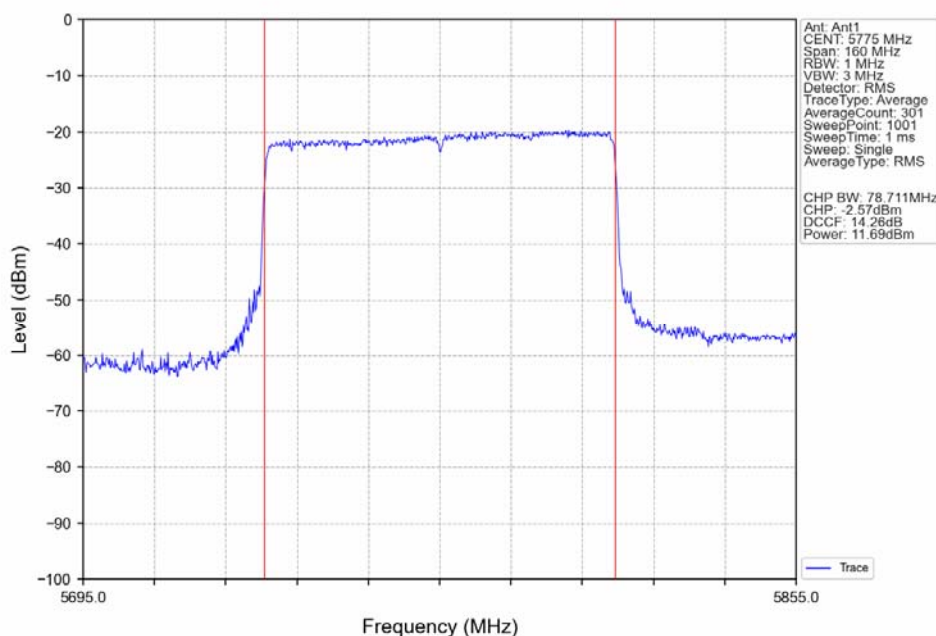
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant1_NTNV



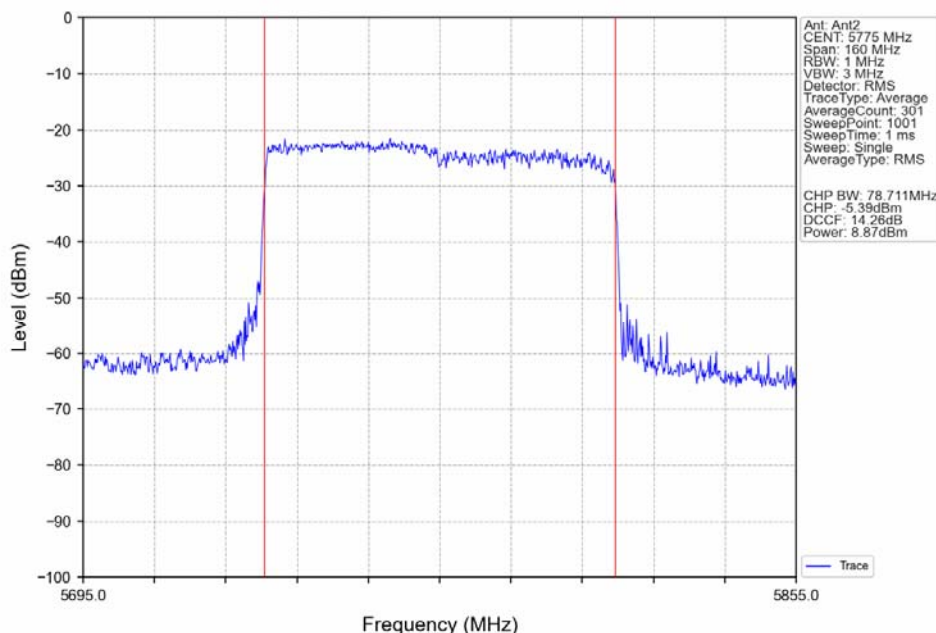
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant2_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant2_NTNV



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
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	-1.98	-2.55	/	<=11	Pass
		5200	/	/	-1.93	-2.98	/	<=11	Pass
		5240	/	/	0.20	-1.97	/	<=11	Pass
		5260	/	/	0.08	-0.60	/	<=11	Pass
		5300	/	/	0.19	-0.02	/	<=11	Pass
		5320	/	/	0.24	0.11	/	<=11	Pass
		5500	/	/	-0.86	-0.62	/	<=11	Pass
		5580	/	/	-1.65	-1.29	/	<=11	Pass
802.11n (HT40)	MIMO	5700	/	/	-5.08	-3.76	/	<=11	Pass
		5190	/	/	-5.32	-5.29	-2.60	<=8.62	Pass
		5230	/	/	-3.99	-5.68	-1.97	<=8.62	Pass
		5270	/	/	-4.29	-4.20	-1.51	<=8.62	Pass
		5310	/	/	-3.83	-3.22	-0.68	<=8.62	Pass
		5510	/	/	-3.33	-3.25	-0.42	<=8.62	Pass
		5550	/	/	-3.03	-2.35	-0.22	<=8.62	Pass
		5670	/	/	-7.38	-6.05	-3.72	<=8.62	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-7.77	-7.66	-4.87	<=8.62	Pass
		5290	/	/	-7.52	-7.02	-4.97	<=8.62	Pass
		5530	/	/	-4.38	-4.03	-1.63	<=8.62	Pass
		5610	/	/	-8.02	-7.02	-4.87	<=8.62	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	-2.29	-3.25	-0.08	<=8.62	Pass
		5200	RU242	Left	-1.20	-3.38	0.49	<=8.62	Pass
		5240	RU242	Left	-1.18	-1.44	1.39	<=8.62	Pass
		5260	RU242	Left	-0.06	-0.86	2.17	<=8.62	Pass
		5300	RU242	Left	1.18	-0.91	2.88	<=8.62	Pass
		5320	RU242	Left	1.03	-0.11	3.08	<=8.62	Pass
		5500	RU242	Left	-0.66	-1.35	1.64	<=8.62	Pass
		5580	RU242	Left	-2.34	-1.19	1.10	<=8.62	Pass
		5700	RU242	Left	-4.43	-3.71	-1.66	<=8.62	Pass



802.11ax (HEW40)	MIMO	5190	RU484	Left	-4.78	-5.14	-2.27	<=8.62	Pass
		5230	RU484	Left	-1.83	-5.62	-0.81	<=8.62	Pass
		5270	RU484	Left	-2.39	-4.03	-0.59	<=8.62	Pass
		5310	RU484	Left	-2.44	-4.59	-0.44	<=8.62	Pass
		5510	RU484	Left	-3.53	-2.96	-0.58	<=8.62	Pass
		5550	RU484	Left	-1.98	-2.64	0.22	<=8.62	Pass
		5670	RU484	Left	-6.91	-5.69	-3.29	<=8.62	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	-6.65	-6.01	-3.58	<=8.62	Pass
		5290	RU996	Left	-2.06	-2.44	0.32	<=8.62	Pass
		5530	RU996	Left	-1.76	-8.72	-1.53	<=8.62	Pass
		5610	RU996	Left	-3.69	-3.01	-0.45	<=8.62	Pass

Note1: Antenna Gain: Ant1: 5.37dBi; Ant2: 4.65dBi;



4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	/	/	-7.11	-7.02	/	<=30	Pass
		5785	/	/	-6.76	-5.28	/	<=30	Pass
		5825	/	/	-5.22	-4.41	/	<=30	Pass
802.11n (HT40)	MIMO	5755	/	/	-10.90	-9.53	-7.15	<=27.62	Pass
		5795	/	/	-9.88	-8.28	-6.29	<=27.62	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-12.80	-9.93	-8.41	<=27.62	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	-7.39	-6.97	-4.64	<=27.62	Pass
		5785	RU242	Left	-6.41	-4.65	-3.13	<=27.62	Pass
		5825	RU242	Left	-5.07	-4.17	-2.18	<=27.62	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	-10.01	-9.04	-7.16	<=27.62	Pass
		5795	RU484	Left	-9.05	-6.39	-5.31	<=27.62	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	-6.75	-4.46	-2.83	<=27.62	Pass

Note1: Antenna Gain: Ant1: 5.37dBi; Ant2: 4.65dBi;
Note2: Directional Gain: Band1: 8.38dBi, Band2A: 8.38dBi, Band2C: 8.38dBi, Band3: 8.38dBi



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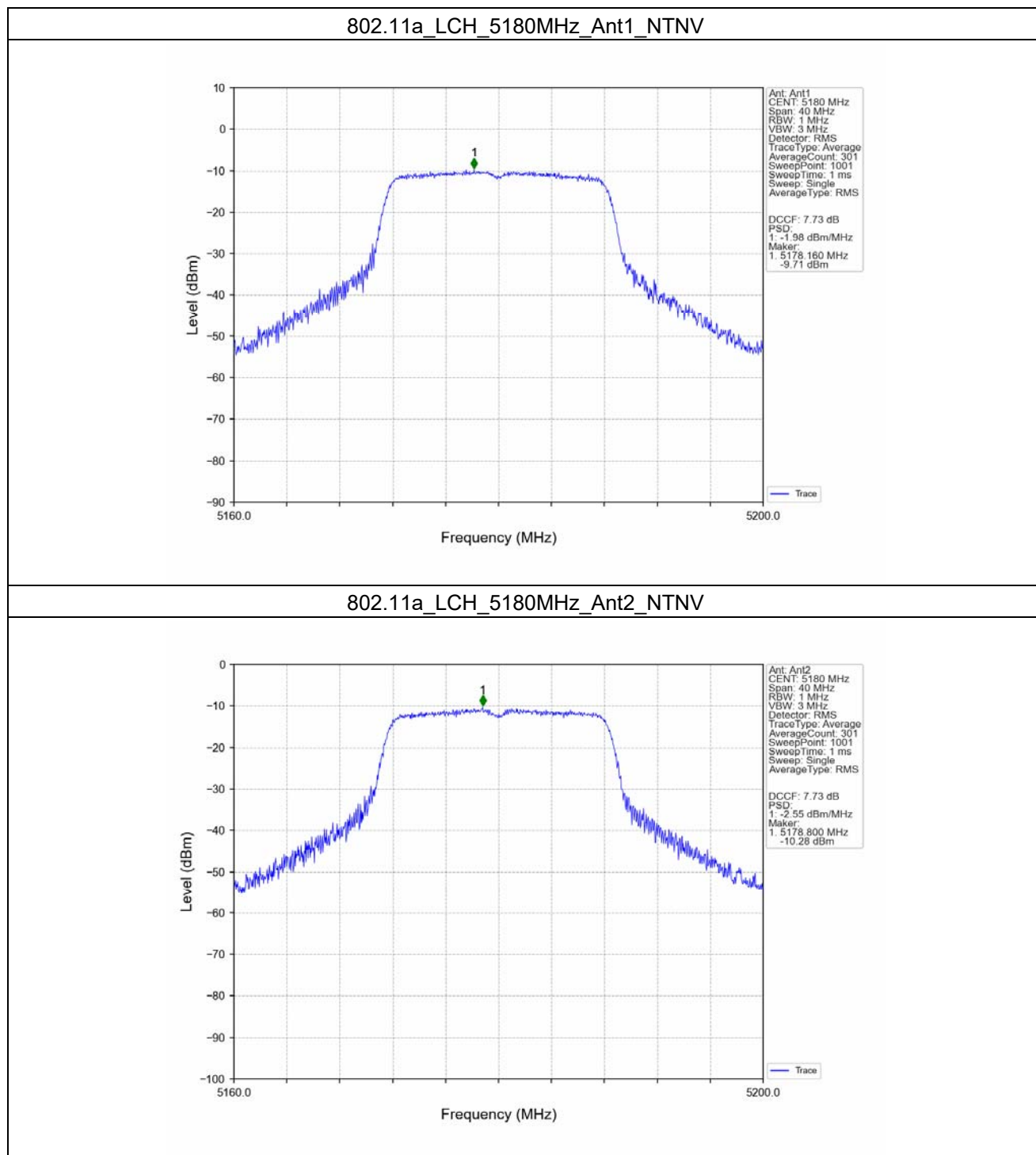
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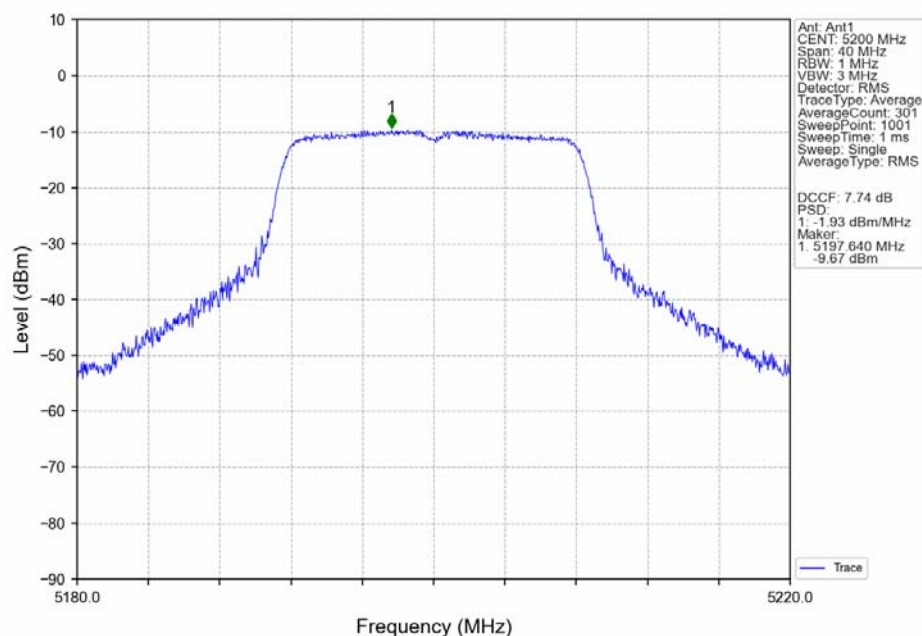
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4.2 Test Graph

4.2.1 PSD



802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV

