

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	7.87	6.27	/	<=11	Pass
		5200	7.97	6.58	/	<=11	Pass
		5240	8.15	7.16	/	<=11	Pass
802.11n (HT20)	MIMO	5180	6.94	-7.11	6.96	<=11	Pass
		5200	7.10	-9.70	7.17	<=11	Pass
		5240	7.14	-7.73	7.18	<=11	Pass
802.11n (HT40)	MIMO	5190	2.74	0.62	4.63	<=11	Pass
		5230	2.65	0.96	4.83	<=11	Pass
802.11ac (VHT20)	MIMO	5180	6.80	5.17	8.99	<=11	Pass
		5200	6.95	5.32	9.07	<=11	Pass
		5240	7.05	5.59	9.34	<=11	Pass
802.11ac (VHT40)	MIMO	5190	4.38	2.73	6.59	<=11	Pass
		5230	4.56	3.08	6.81	<=11	Pass
802.11ac (VHT80)	MIMO	5210	0.87	0.29	3.46	<=11	Pass

Note1: Antenna Gain: Ant1: 4.7dBi; Ant2: 4.7dBi;

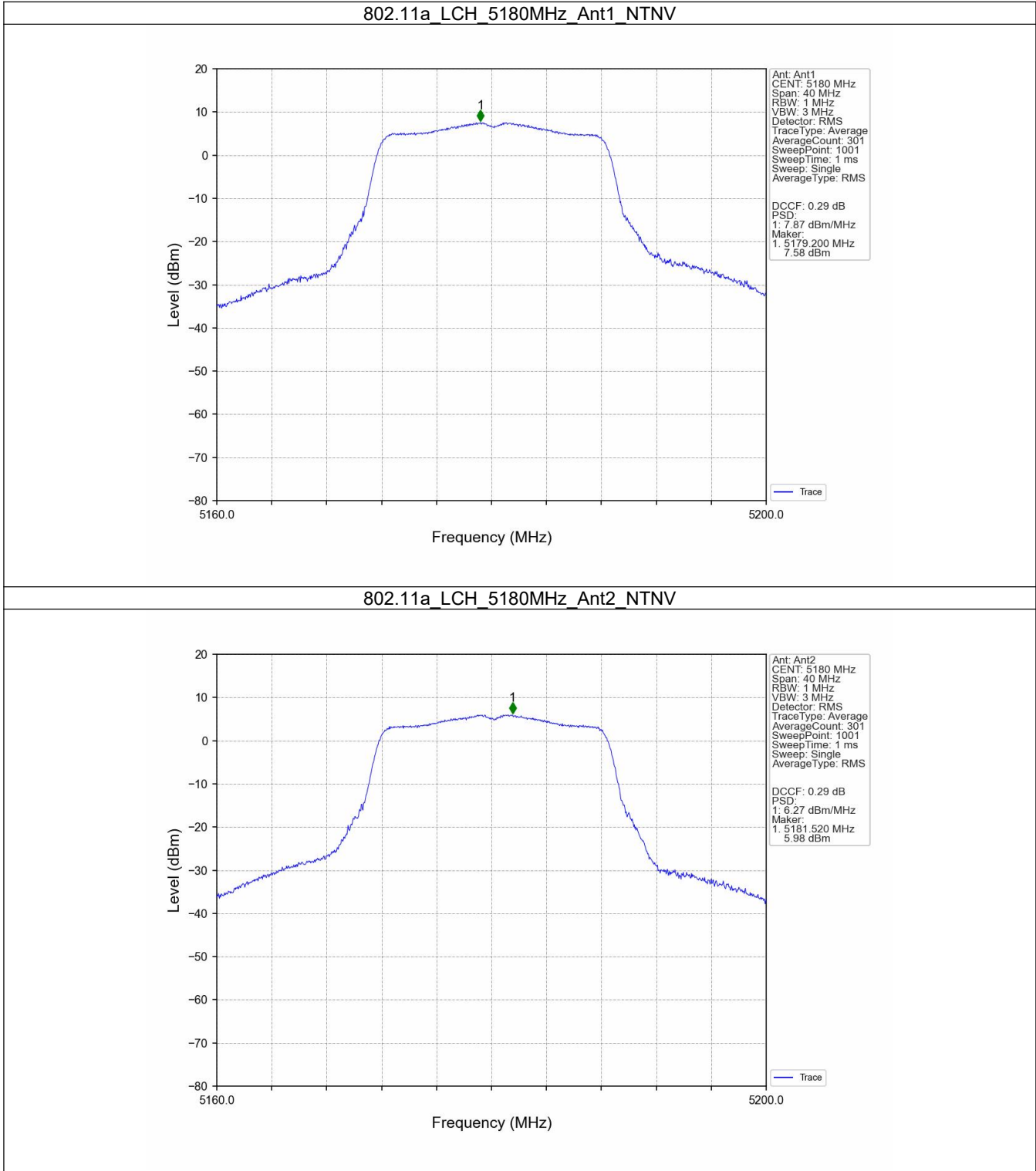
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	4.68	4.61	/	<=30	Pass
		5785	4.64	4.42	/	<=30	Pass
		5825	4.14	4.59	/	<=30	Pass
802.11n (HT20)	MIMO	5745	3.55	3.51	6.44	<=30	Pass
		5785	3.37	3.09	6.23	<=30	Pass
		5825	2.94	2.76	5.69	<=30	Pass
802.11n (HT40)	MIMO	5755	-1.07	-1.26	1.75	<=30	Pass
		5795	-1.14	-1.52	1.68	<=30	Pass
802.11ac (VHT20)	MIMO	5745	4.25	4.13	7.12	<=30	Pass
		5785	3.40	3.93	6.61	<=30	Pass
		5825	3.25	3.35	6.25	<=30	Pass
802.11ac (VHT40)	MIMO	5755	0.13	-0.18	2.90	<=30	Pass
		5795	0.07	-0.32	2.73	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-2.73	-2.61	0.14	<=30	Pass

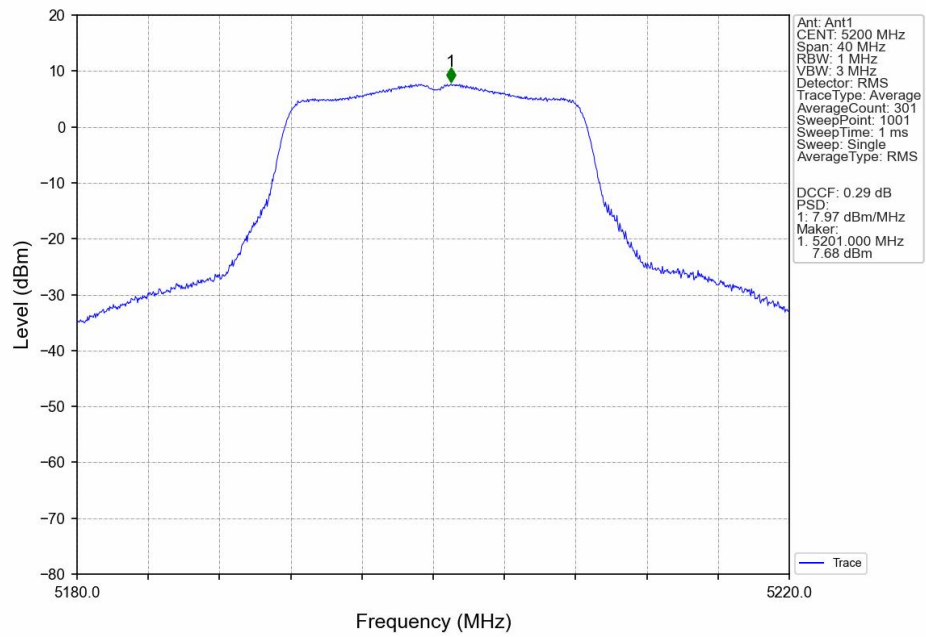
Note1: Antenna Gain: Ant1: 4.7dBi; Ant2: 4.7dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4.2 Test Graph

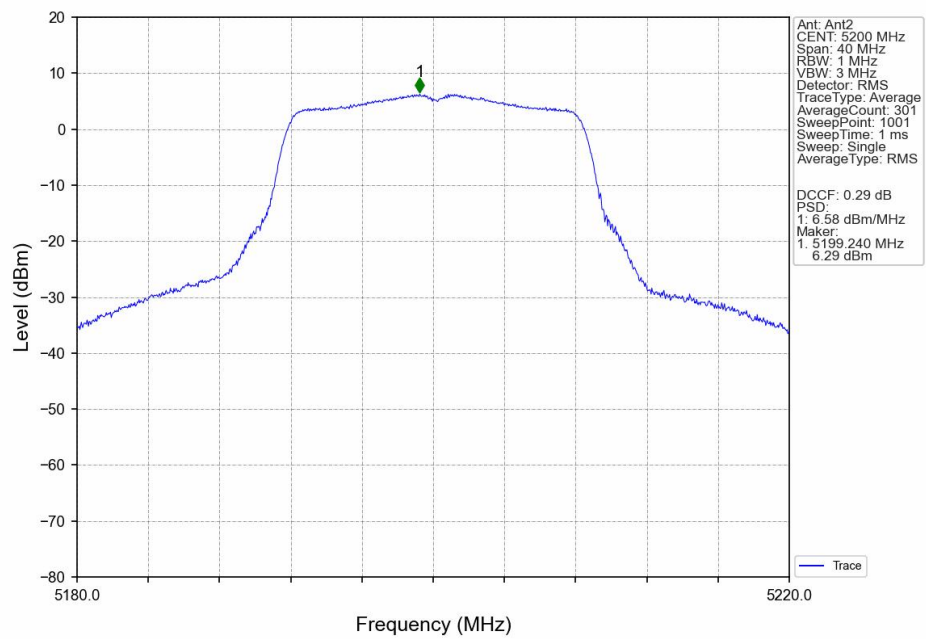
4.2.1 PSD



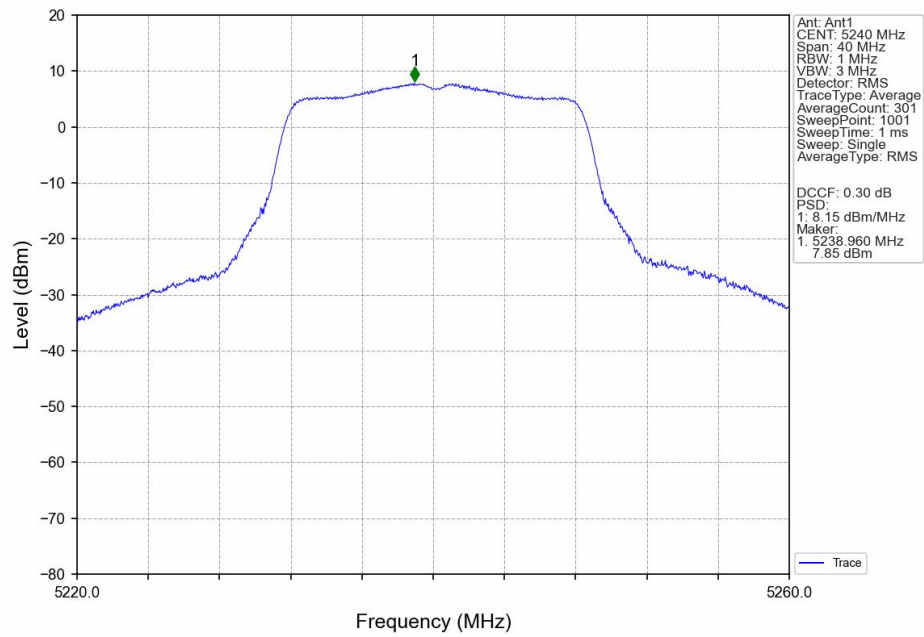
802.11a_MCH_5200MHz_Ant1_NTNV



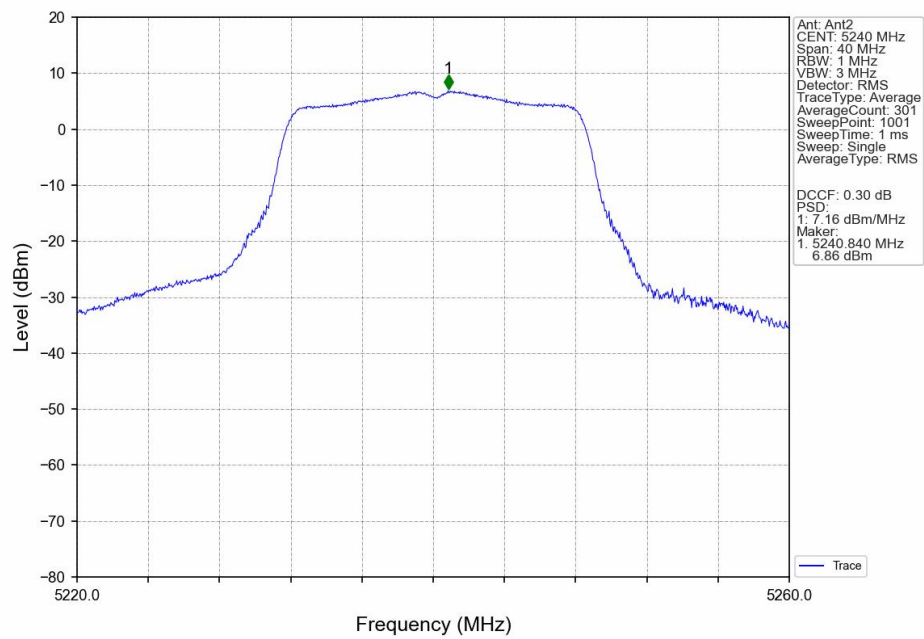
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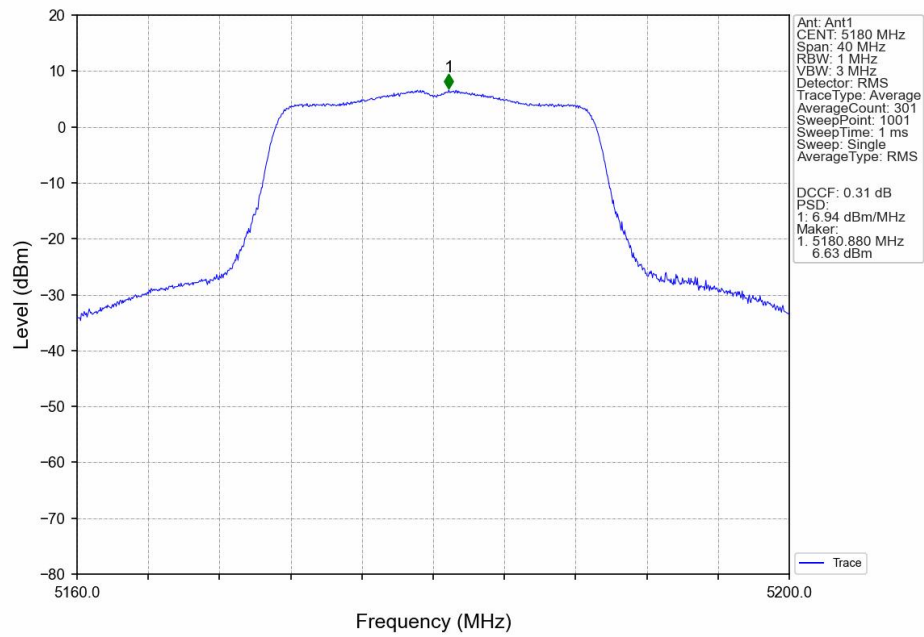
802.11a_HCH_5240MHz_Ant1_NTNV



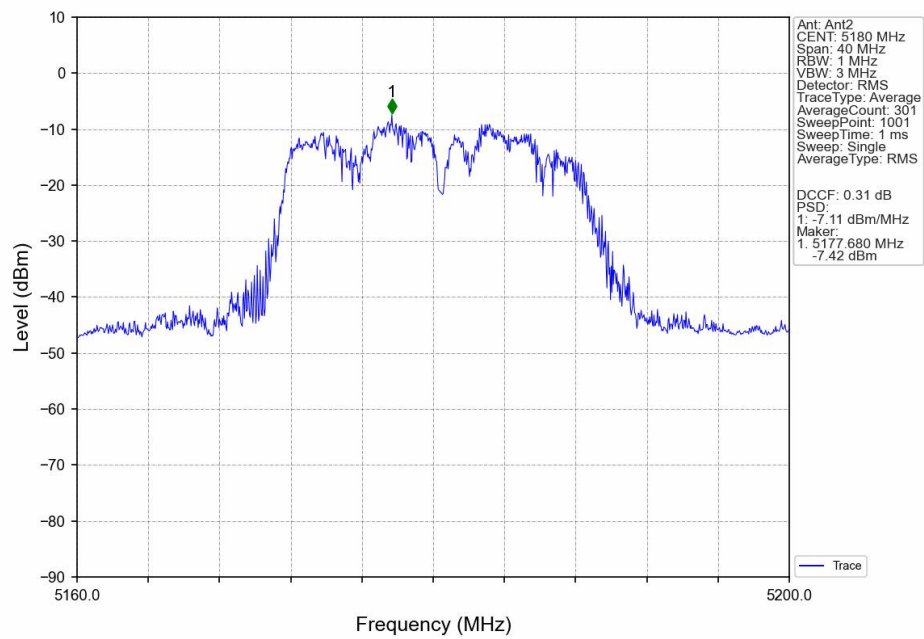
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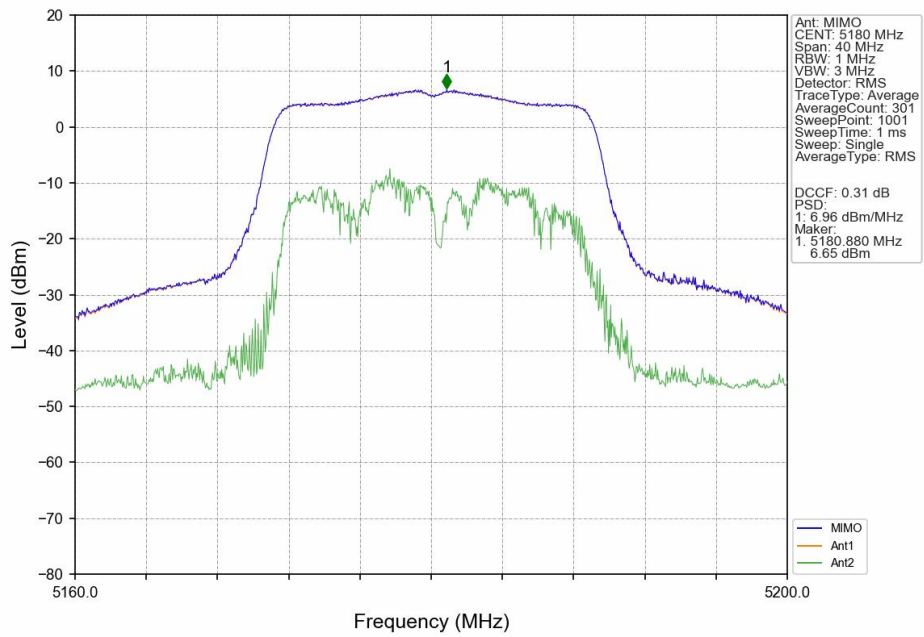
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



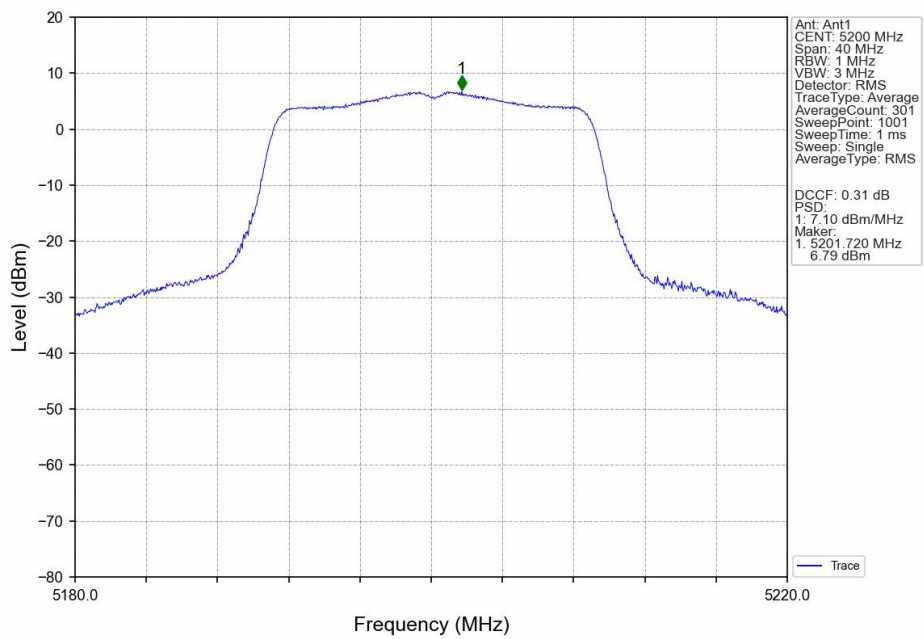
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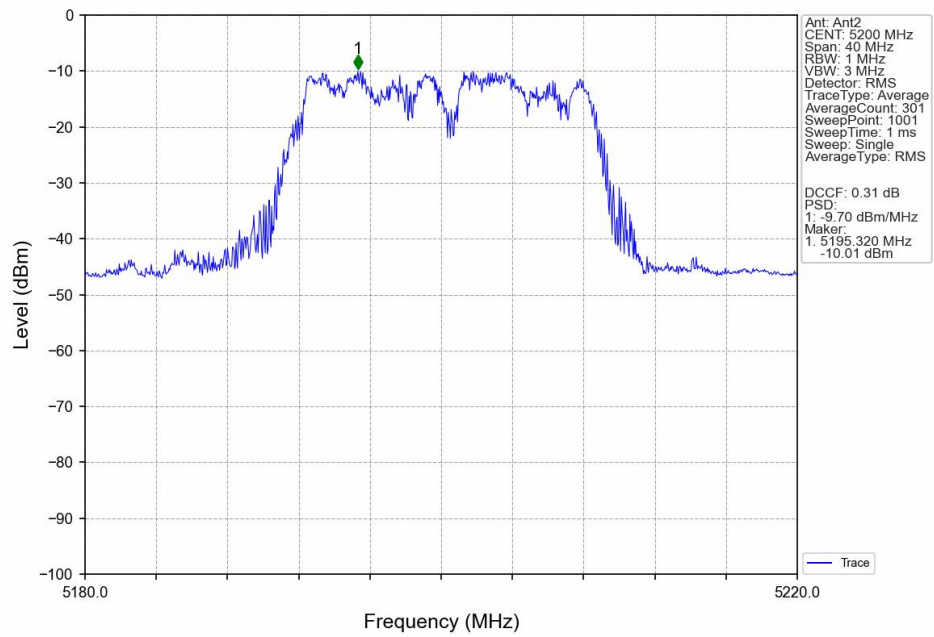
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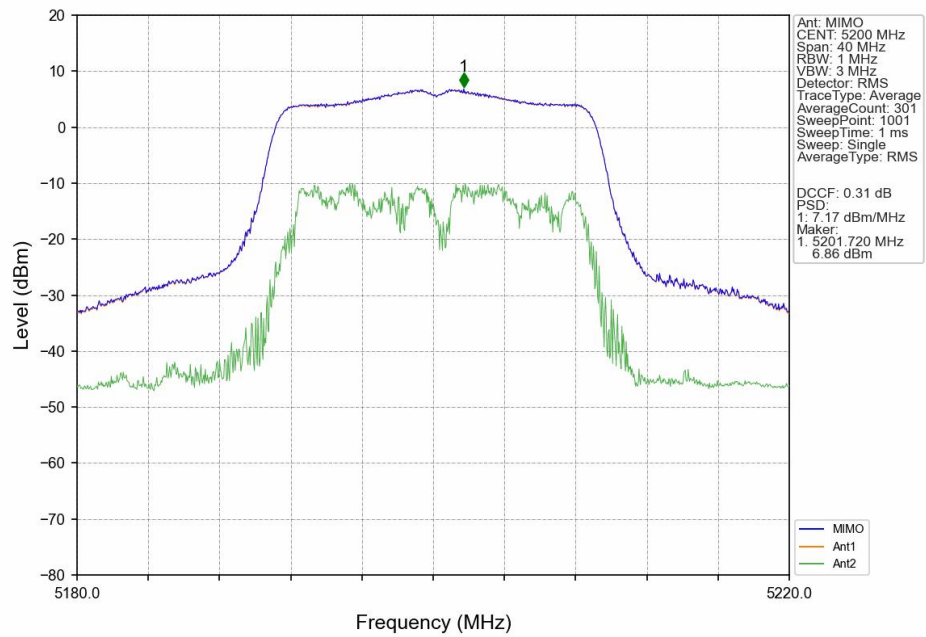
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



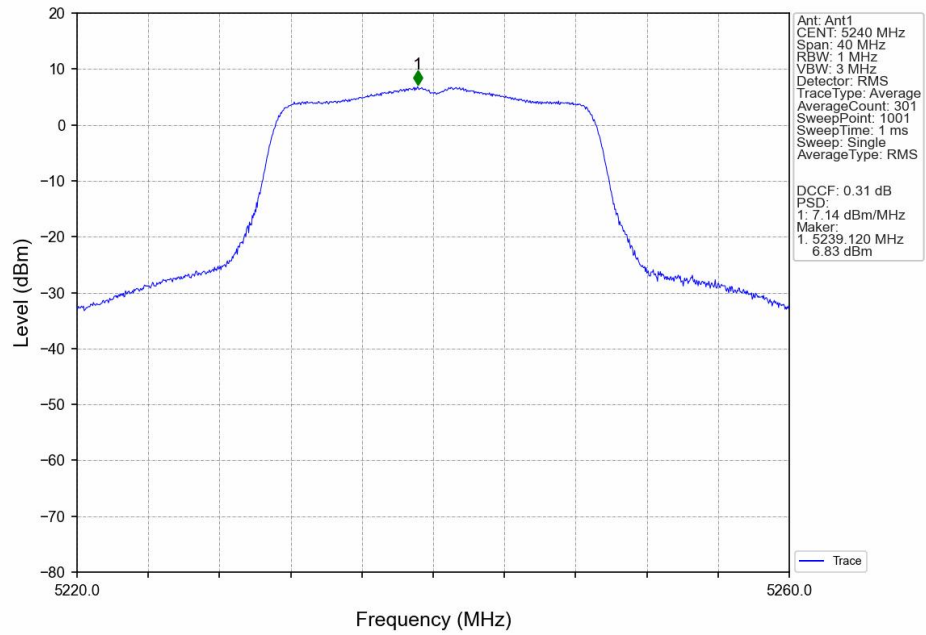
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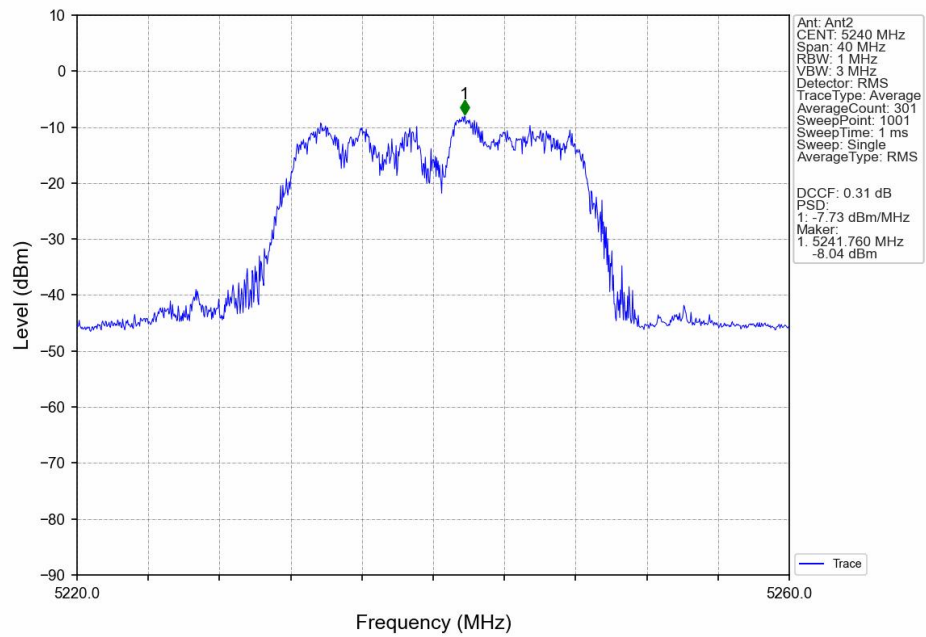
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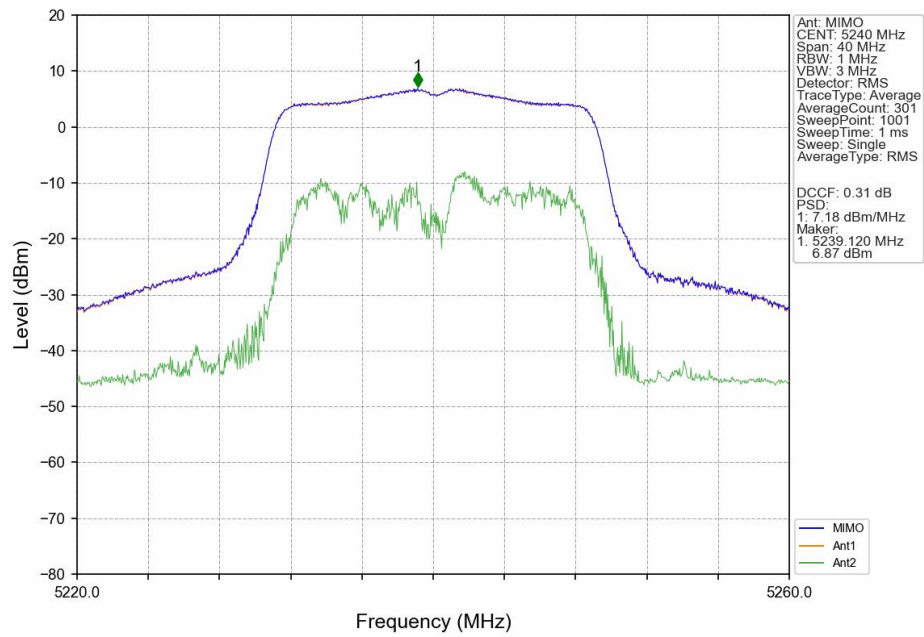
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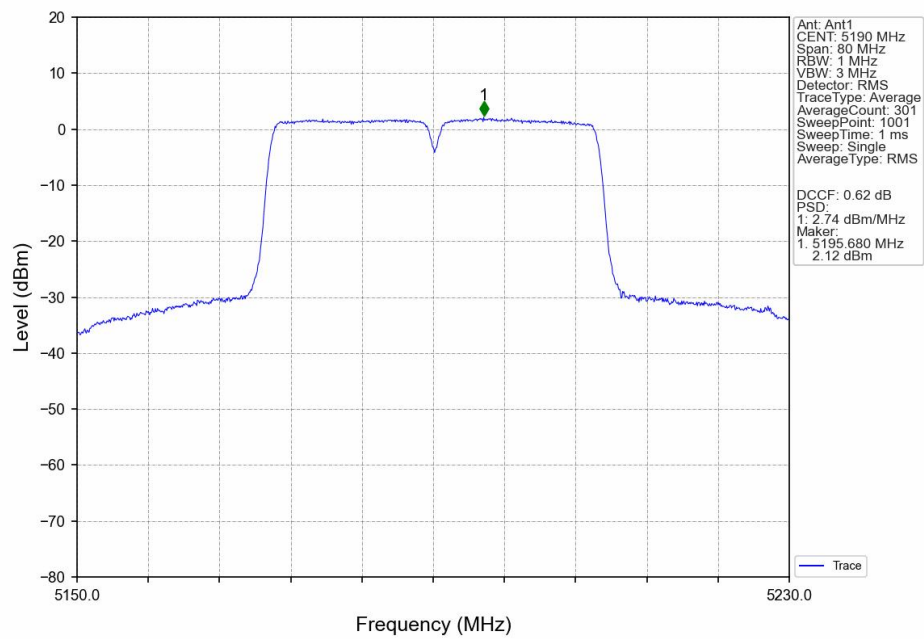
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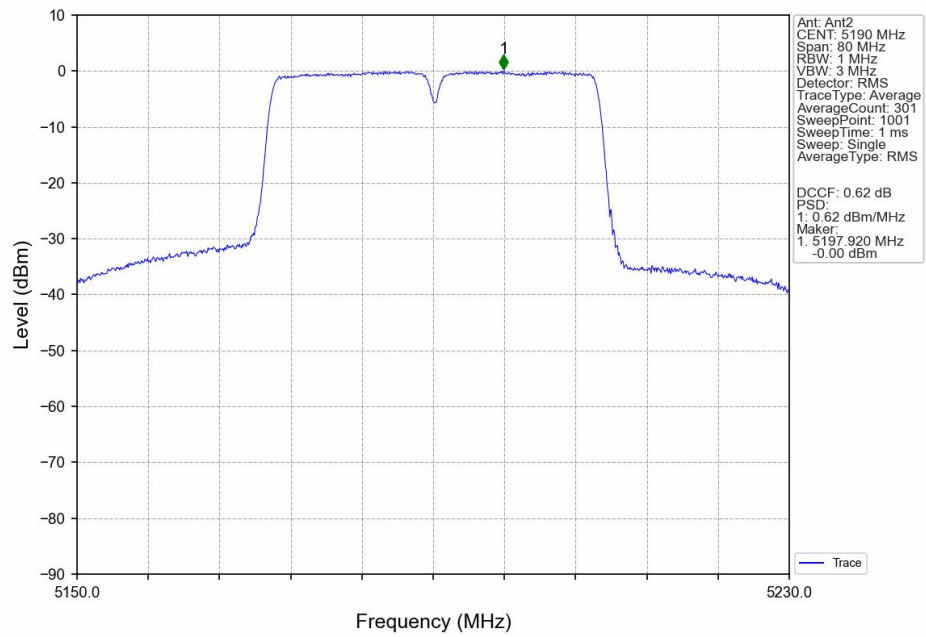
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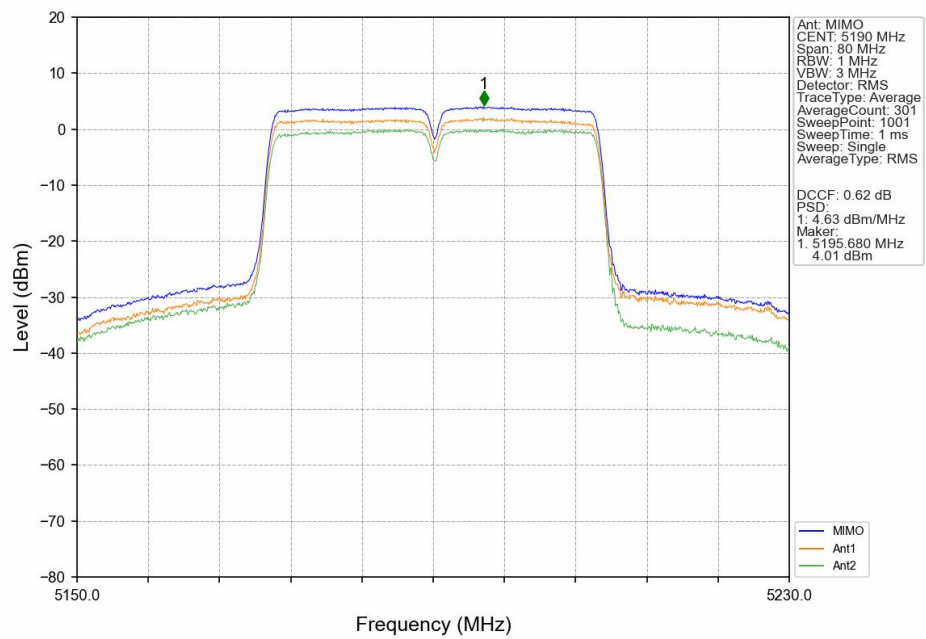
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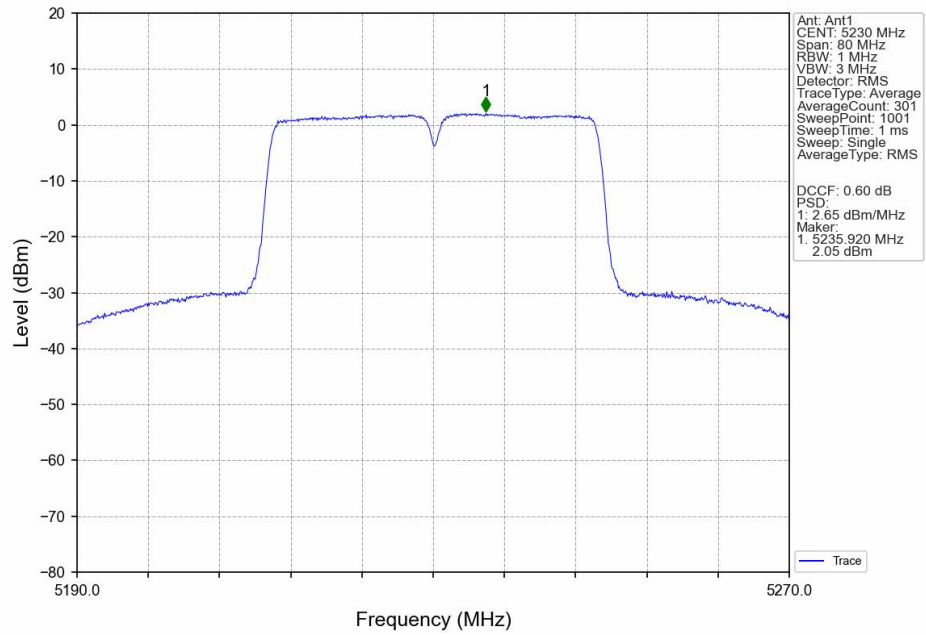
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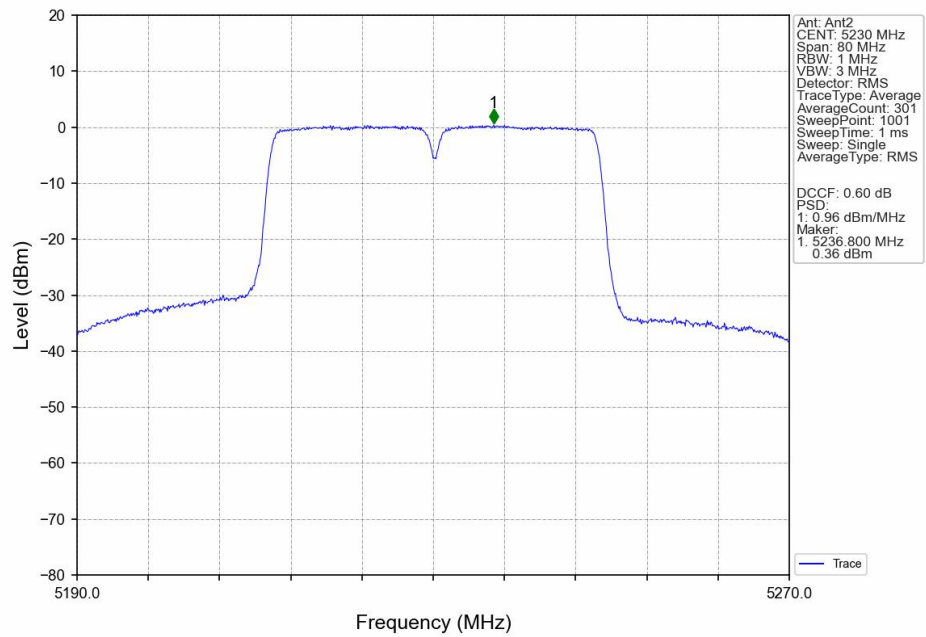
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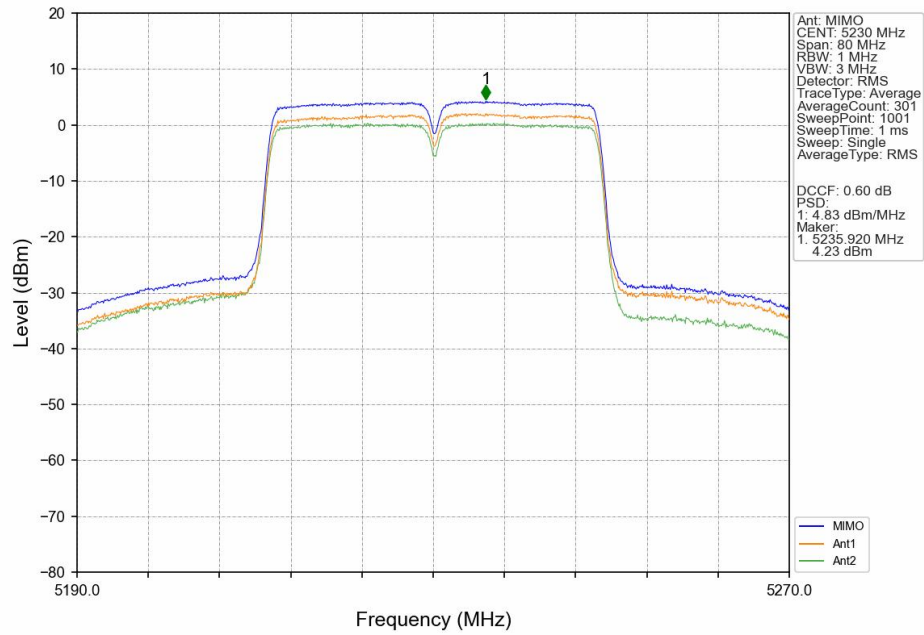
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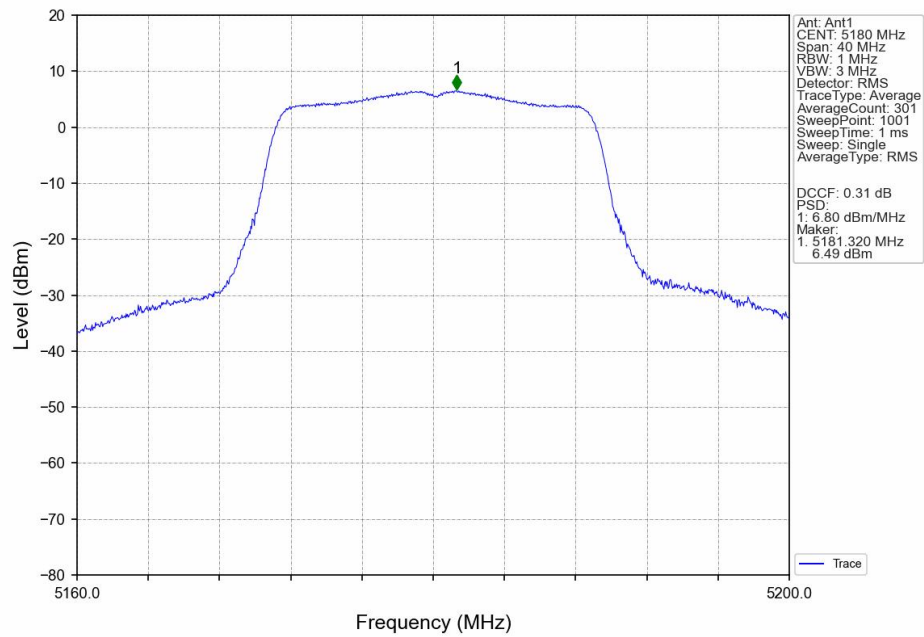
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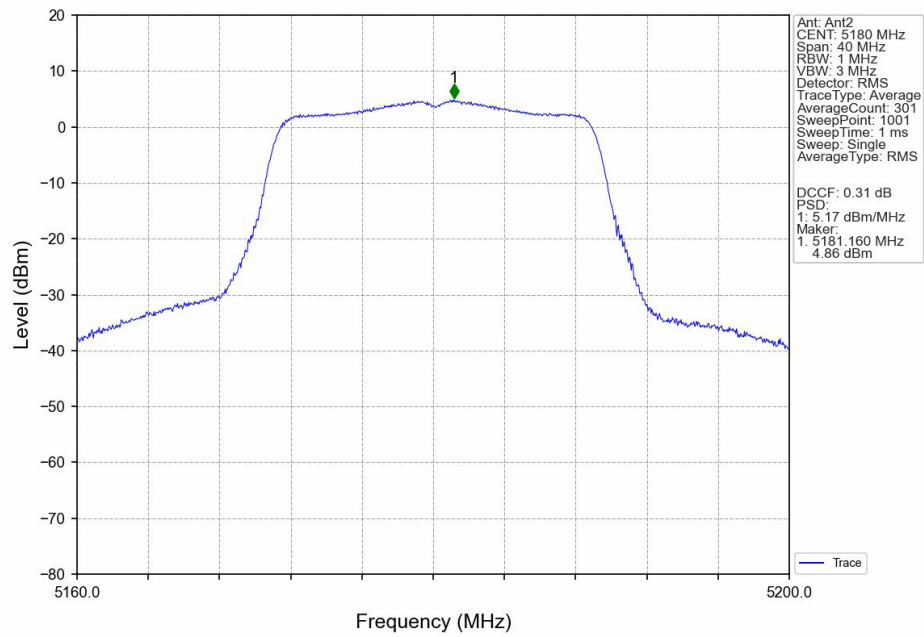
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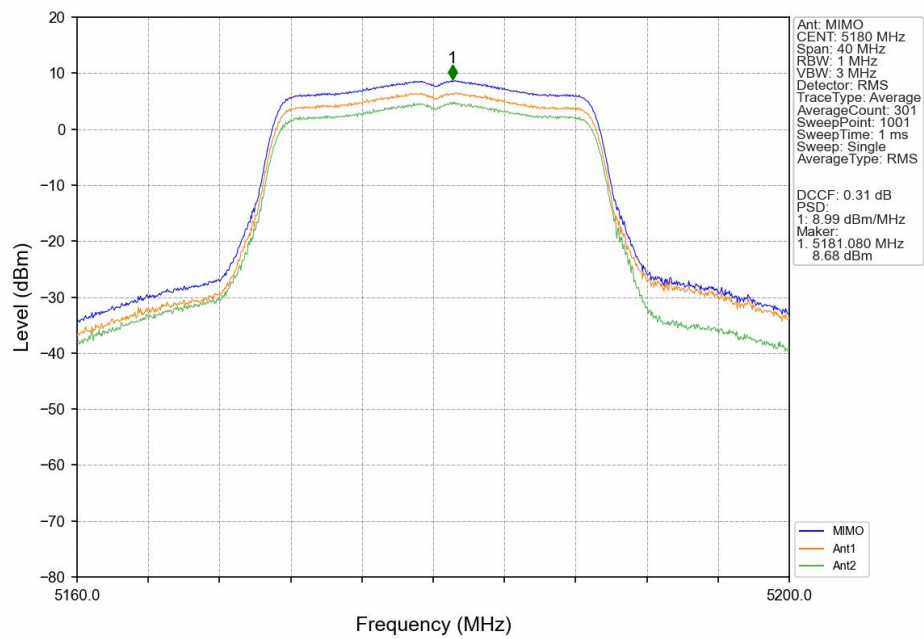
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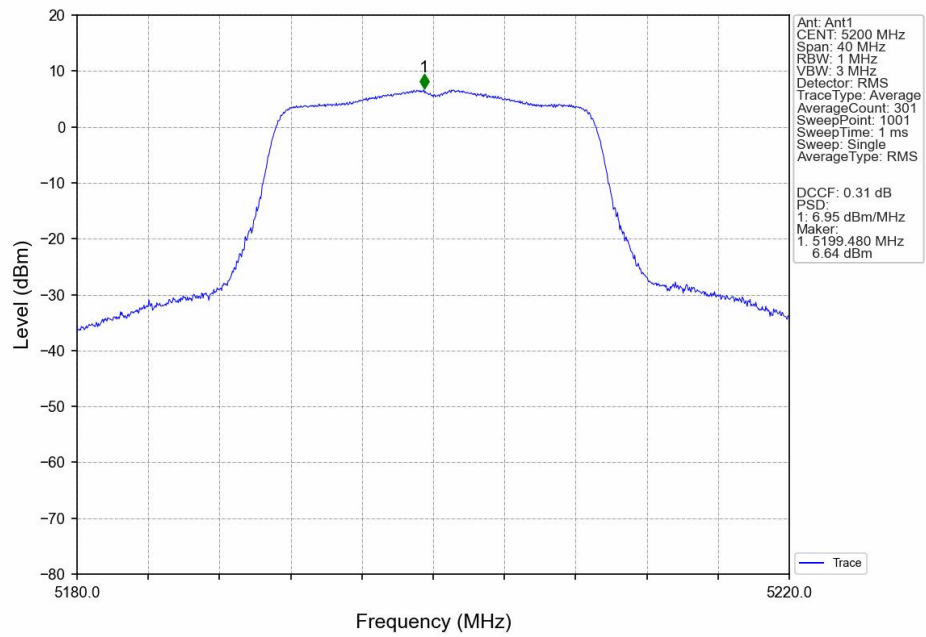
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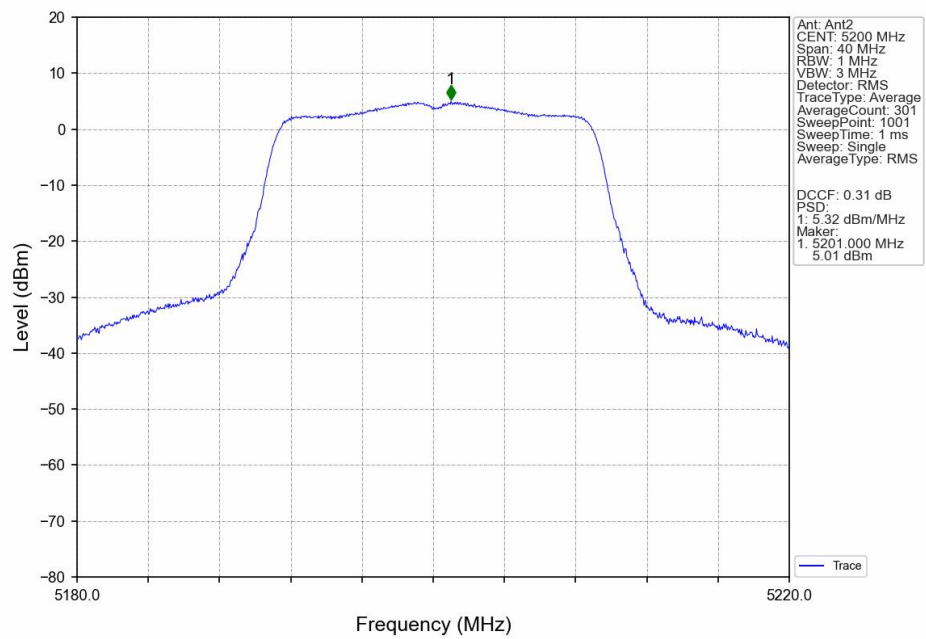
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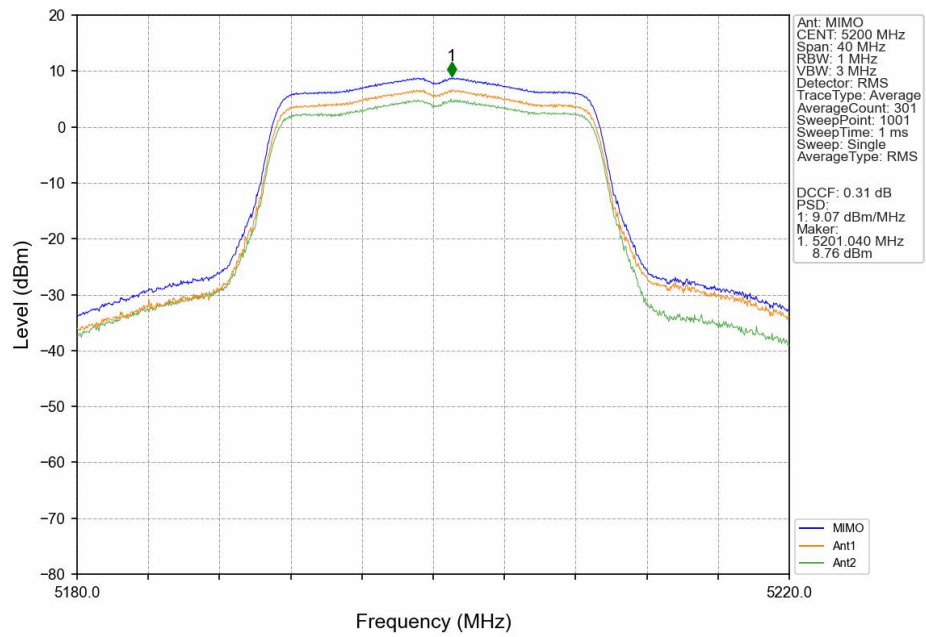
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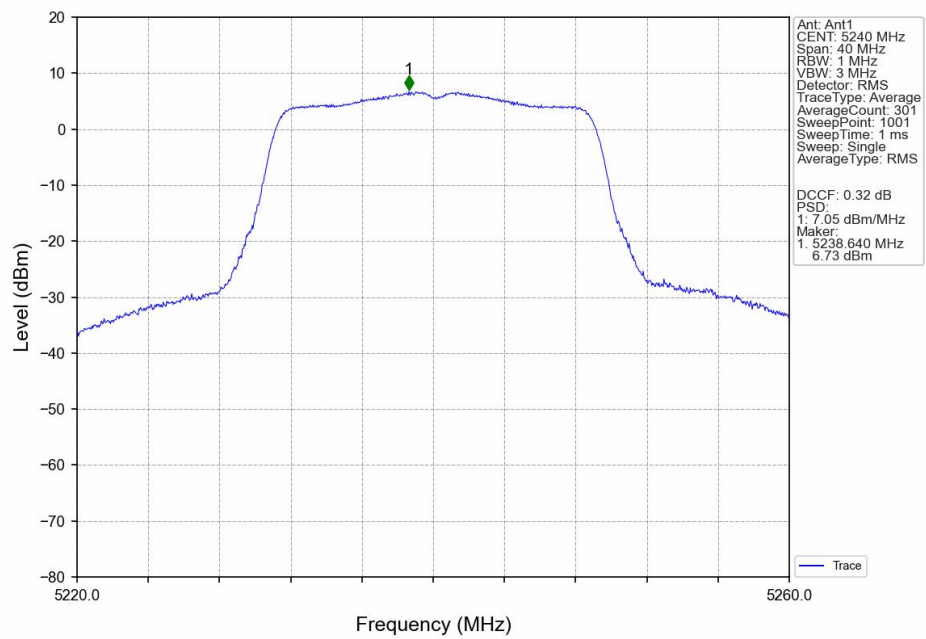
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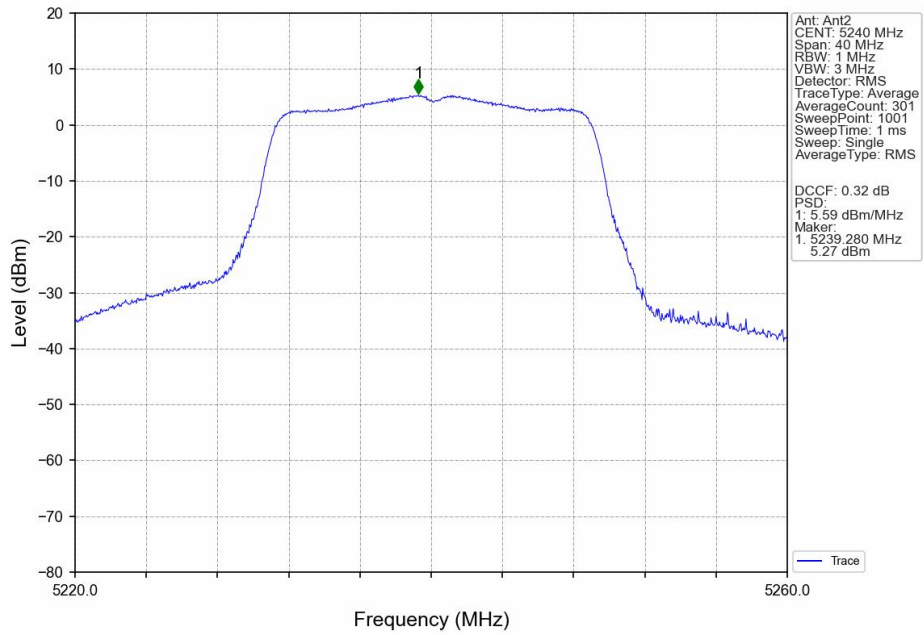
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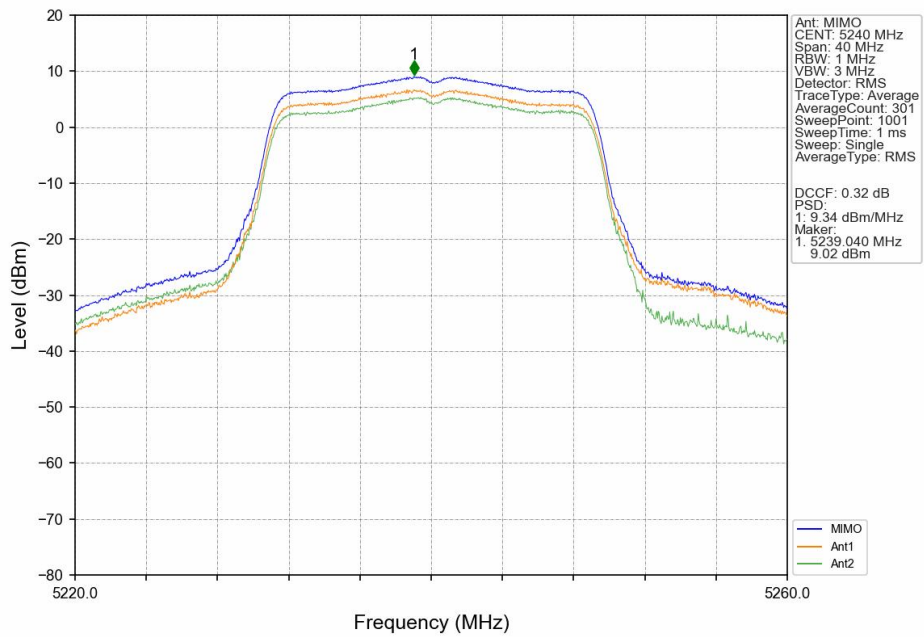
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



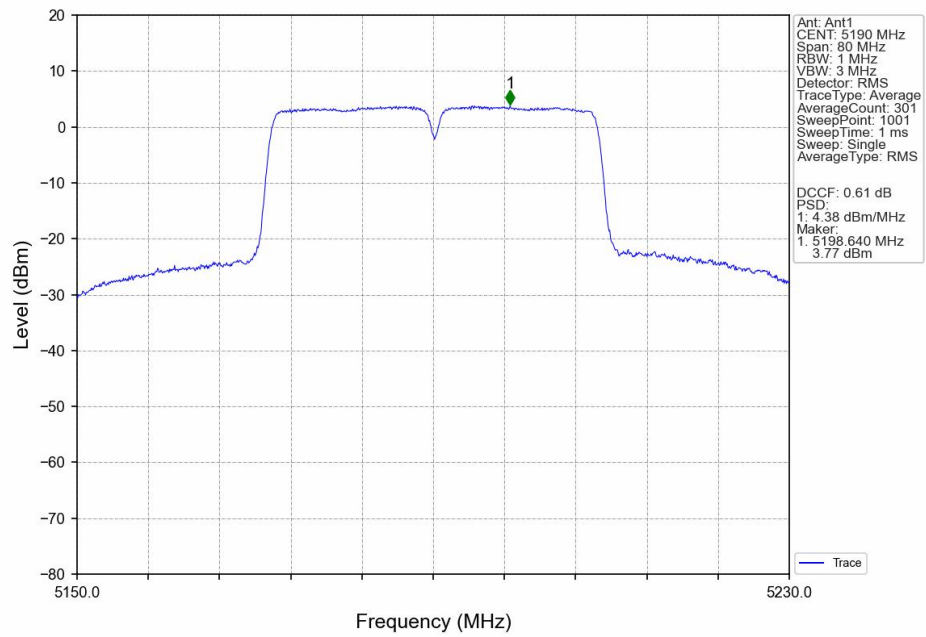
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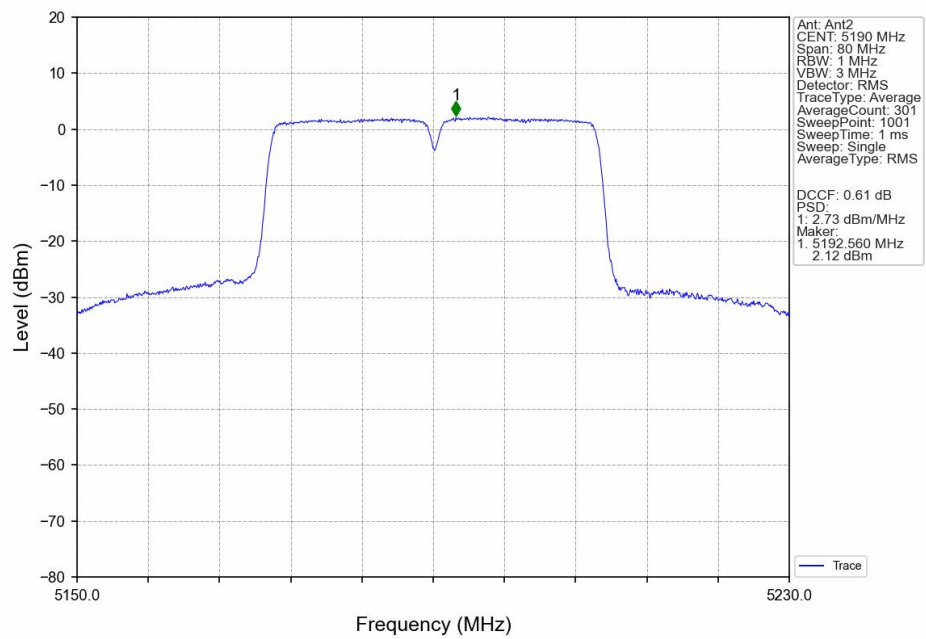
802.11ac(VHT20) HCH_5240MHz_MIMO_NTNV



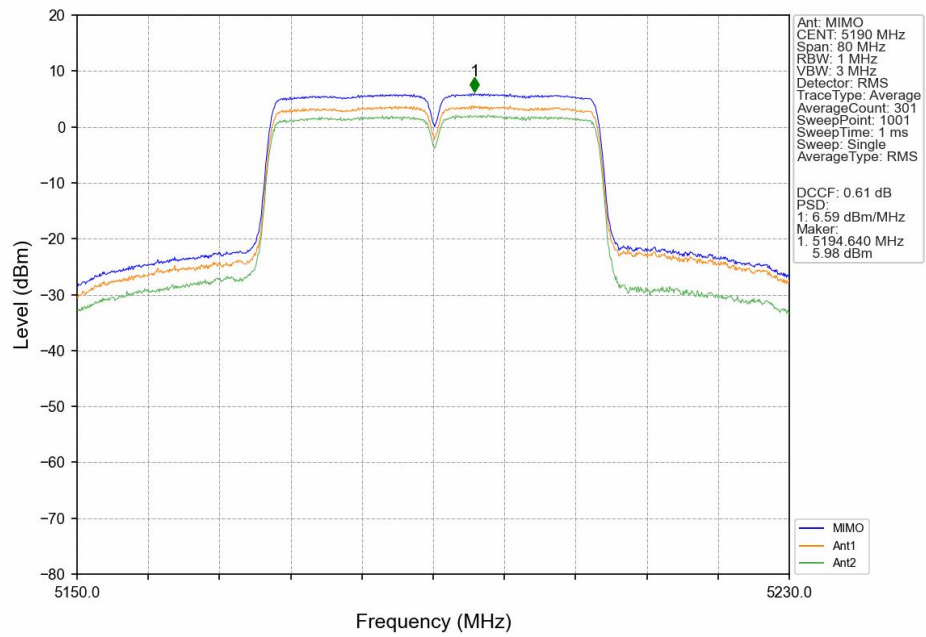
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



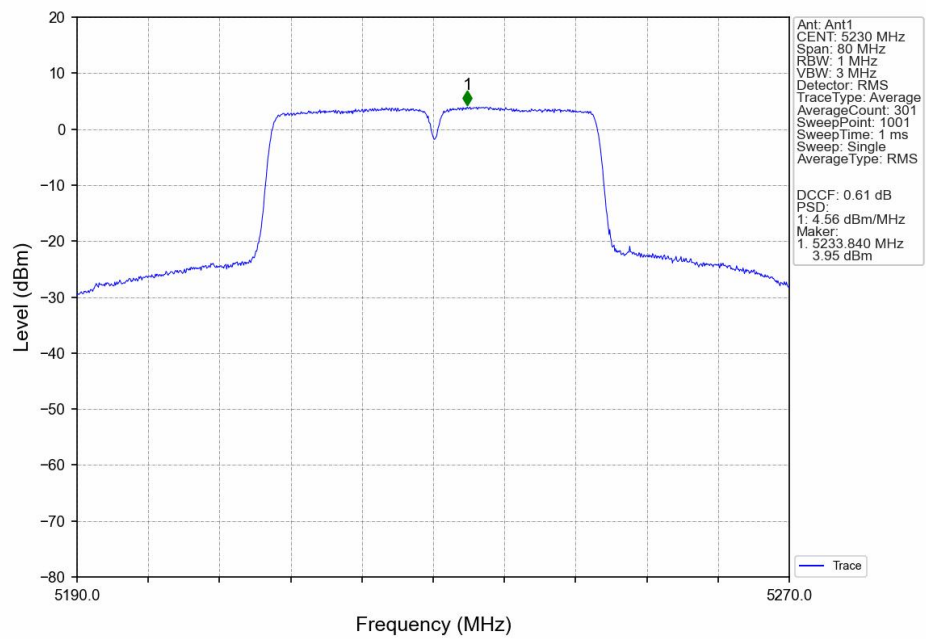
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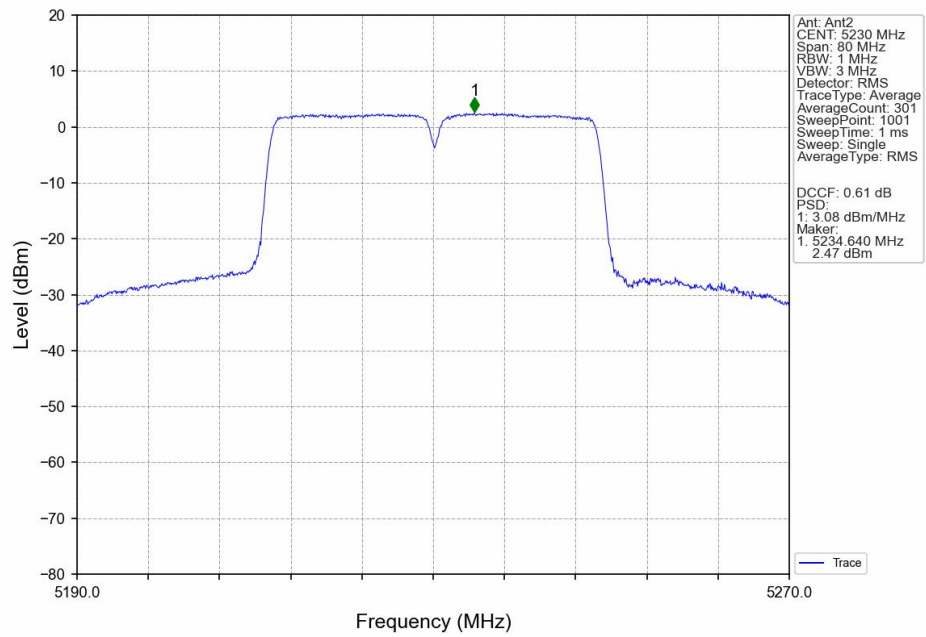
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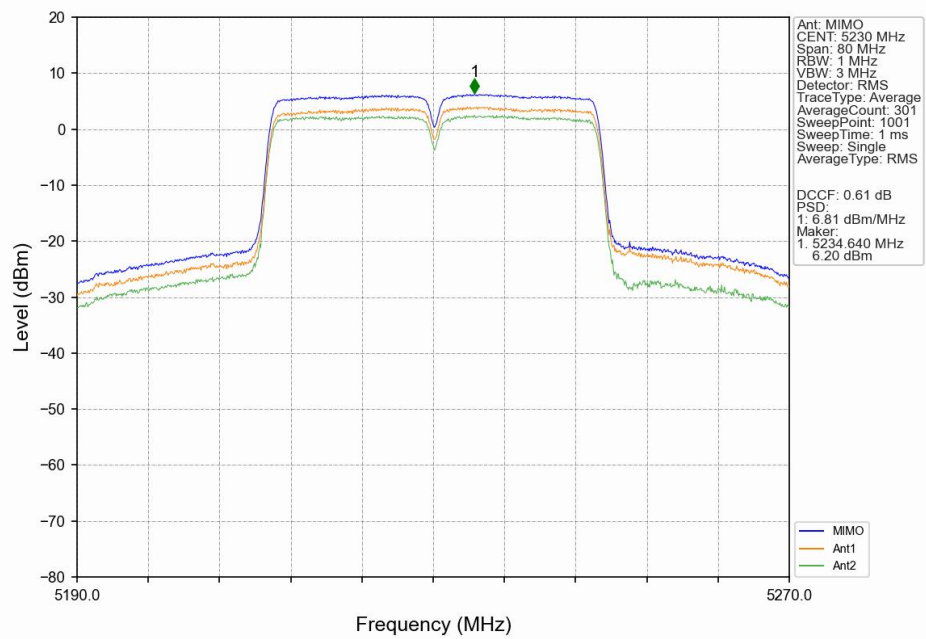
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



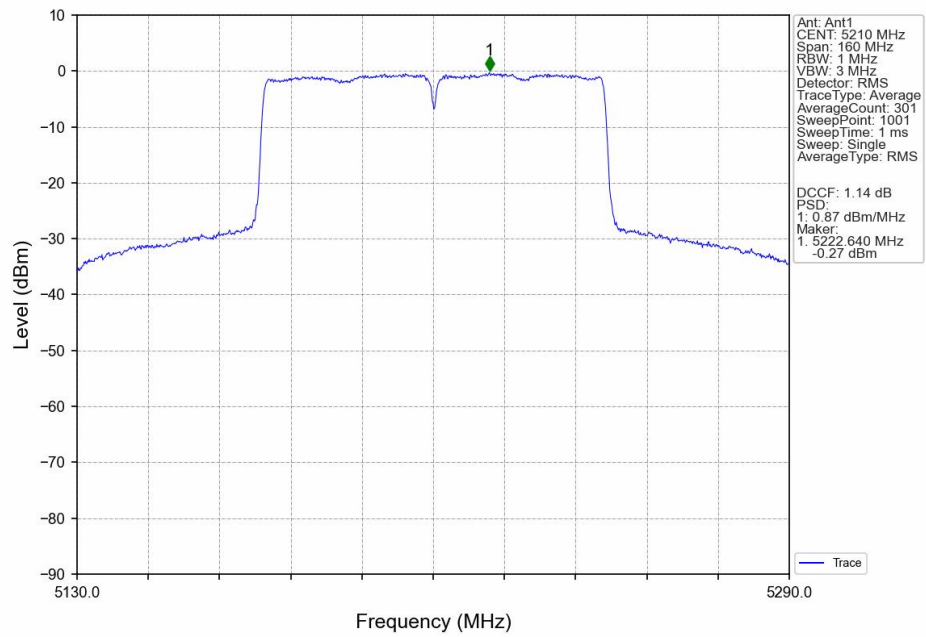
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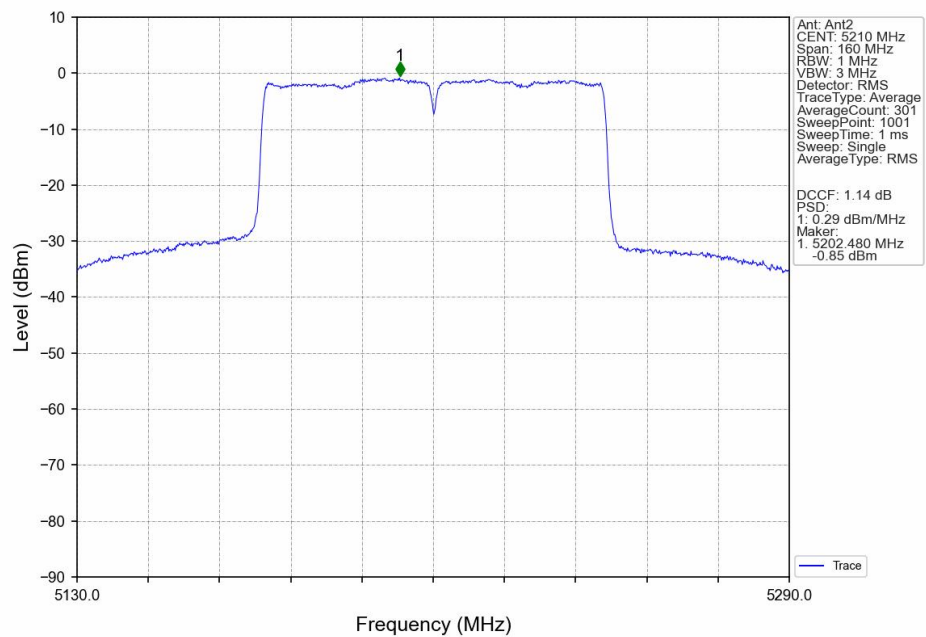
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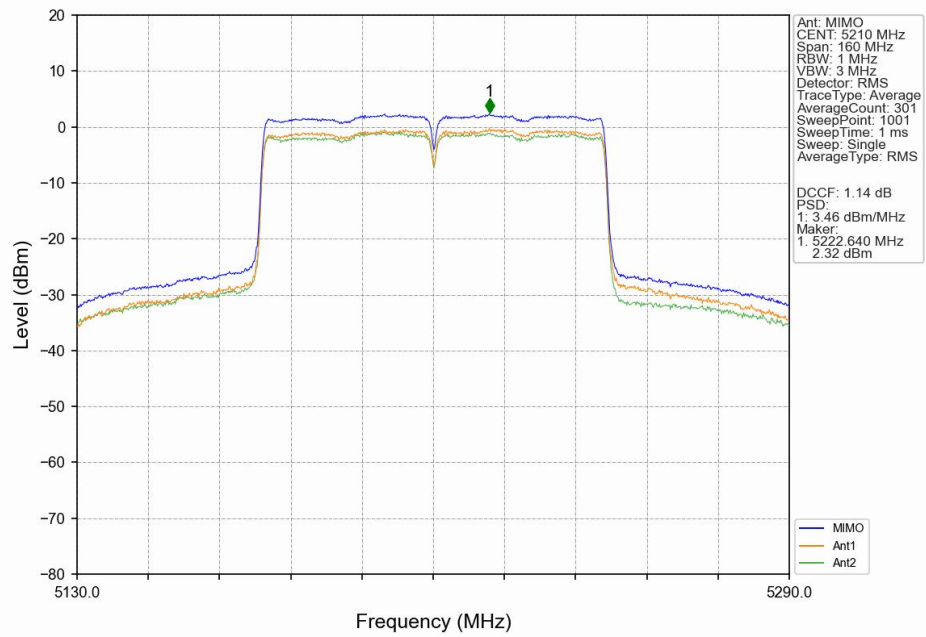
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



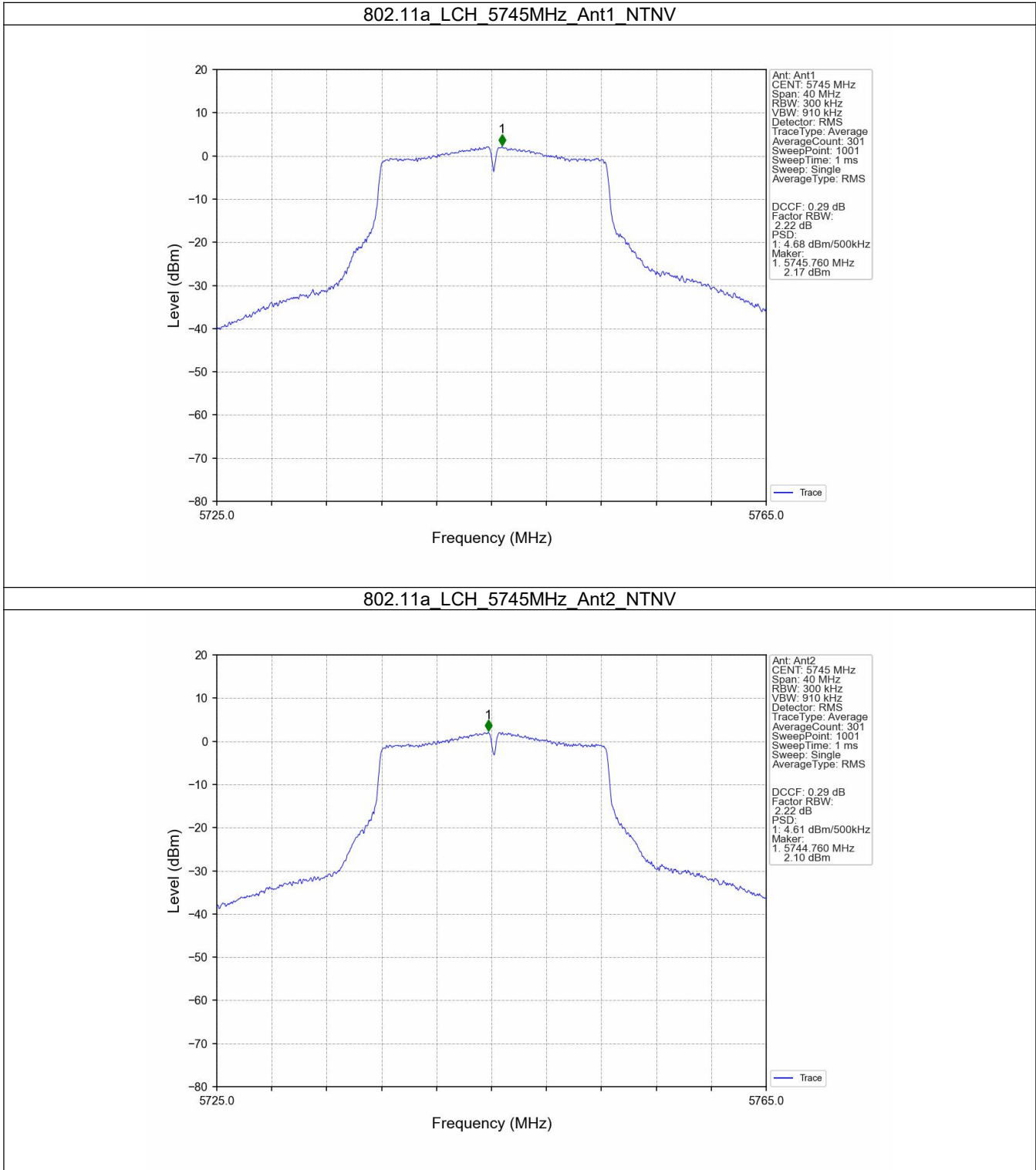
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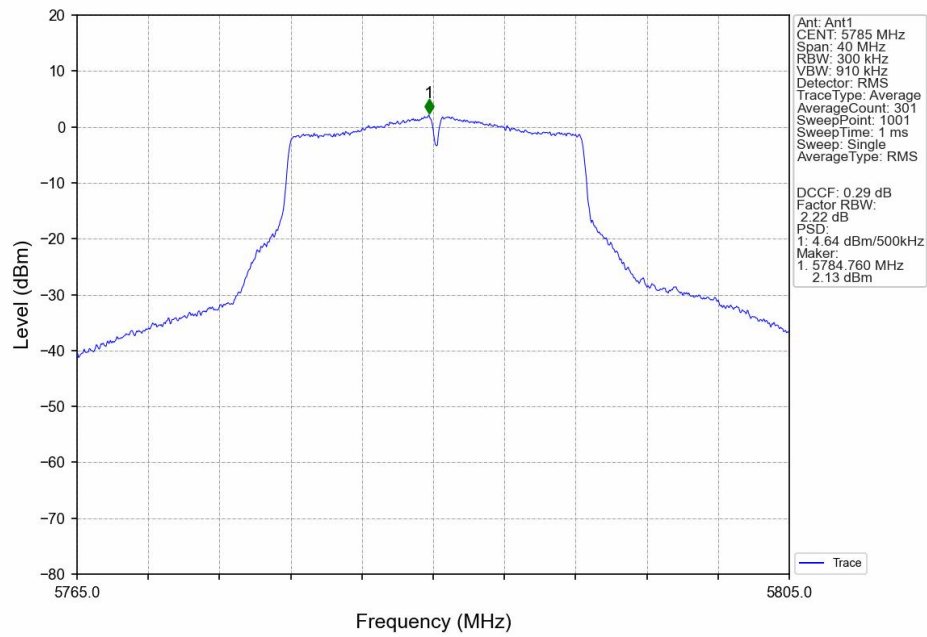
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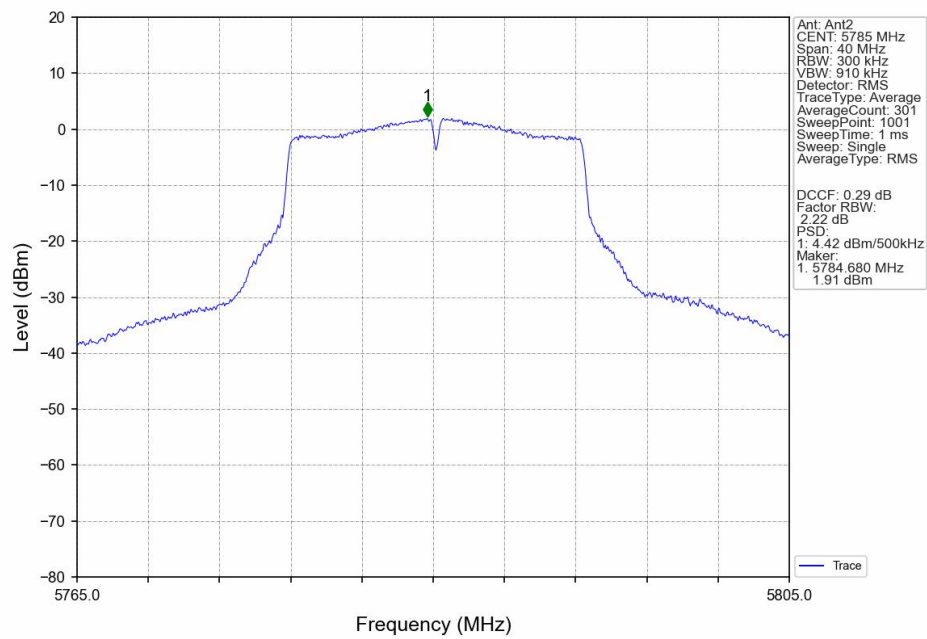
4.2.2 PSD-Band3



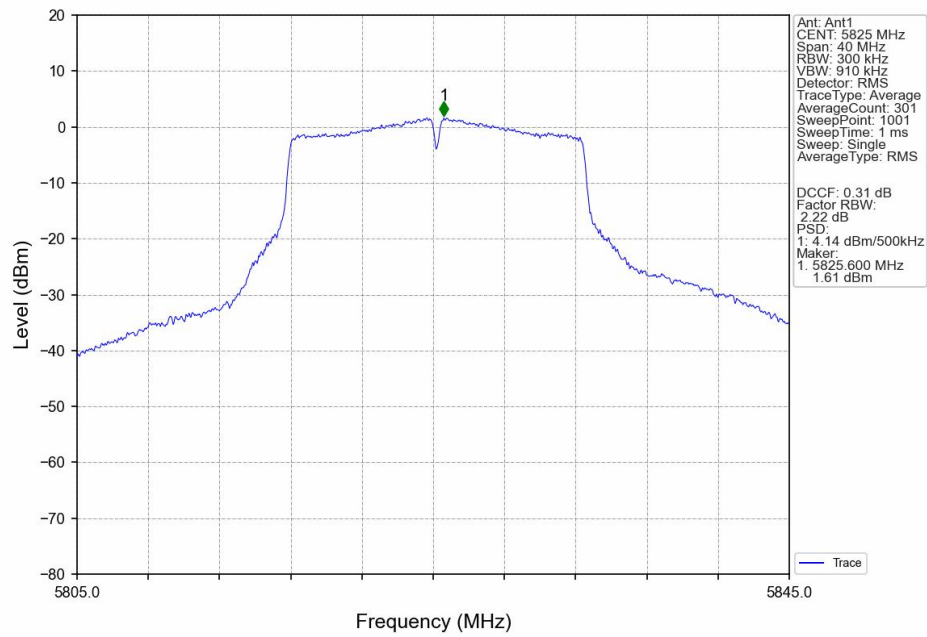
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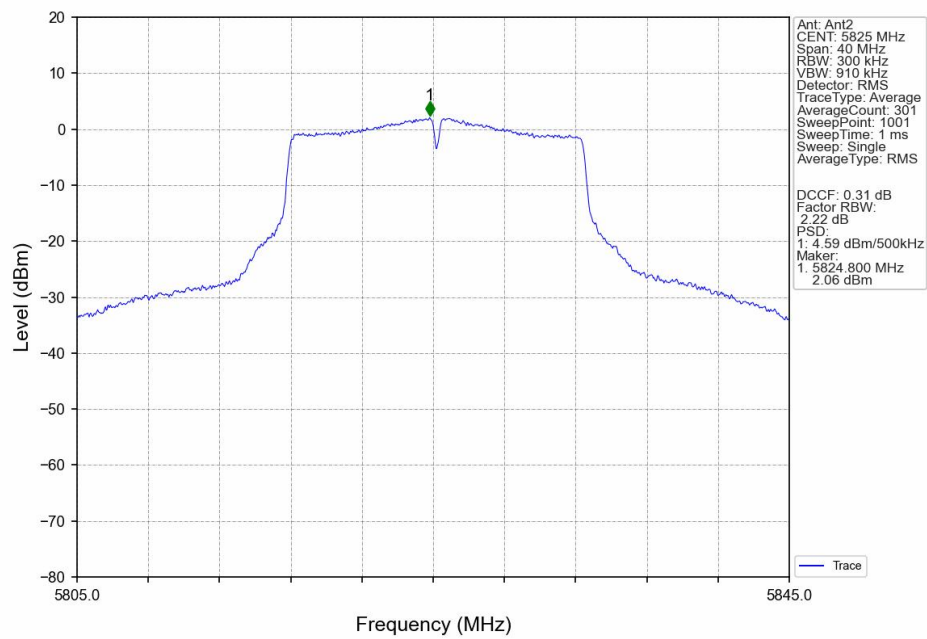
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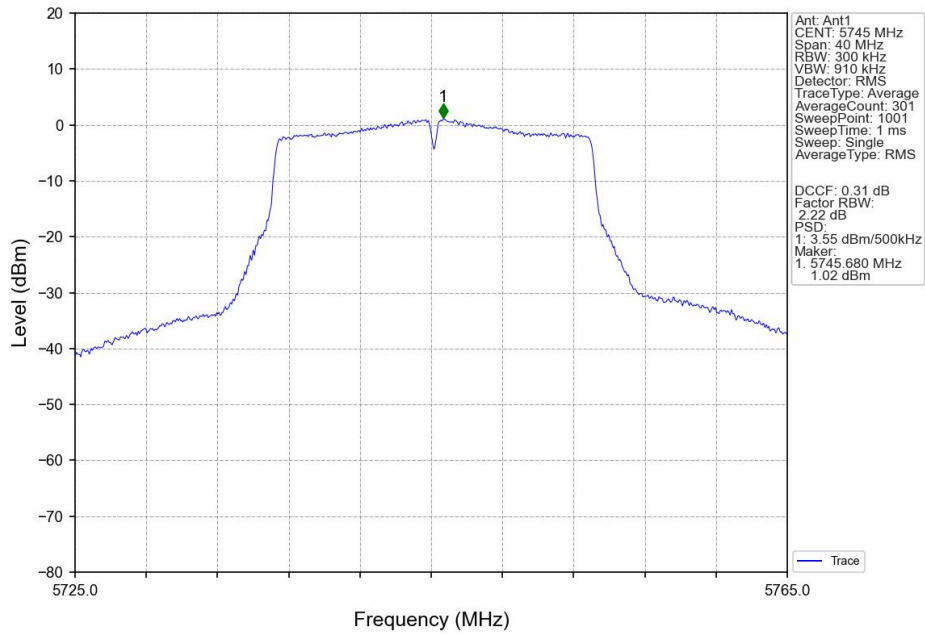
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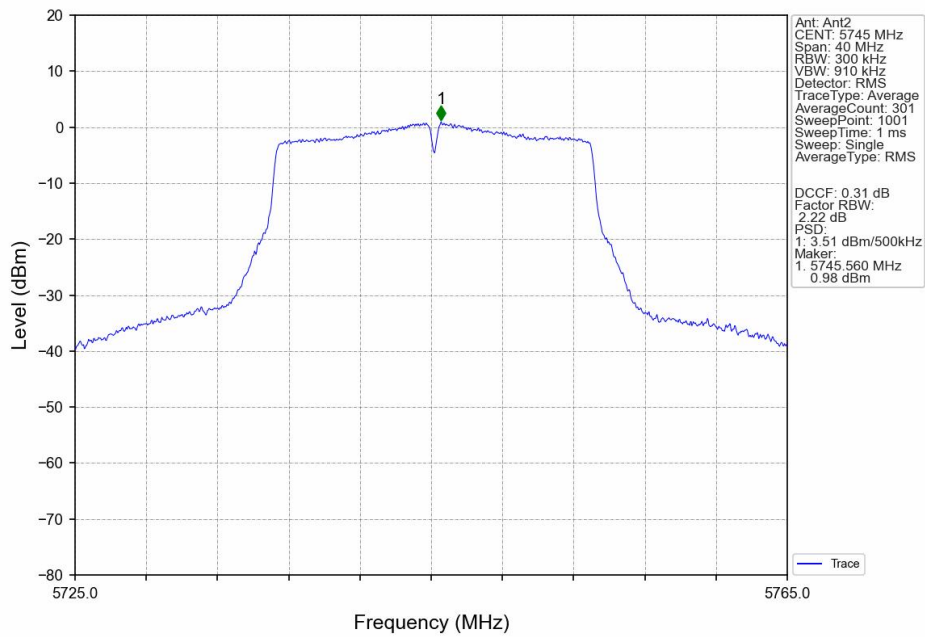
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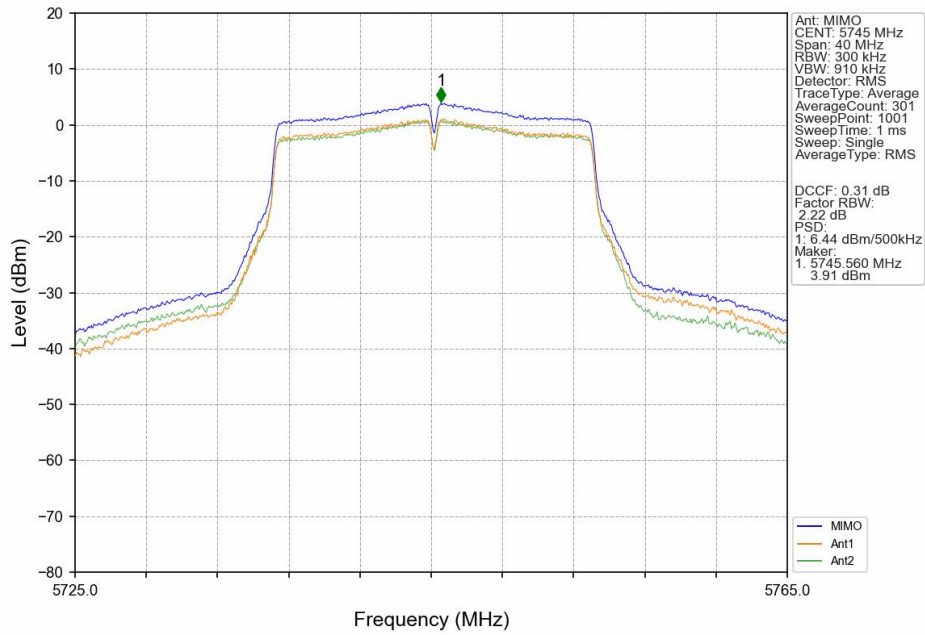
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



802.11n(HT20)_LCH_5745MHz_MIMO_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

