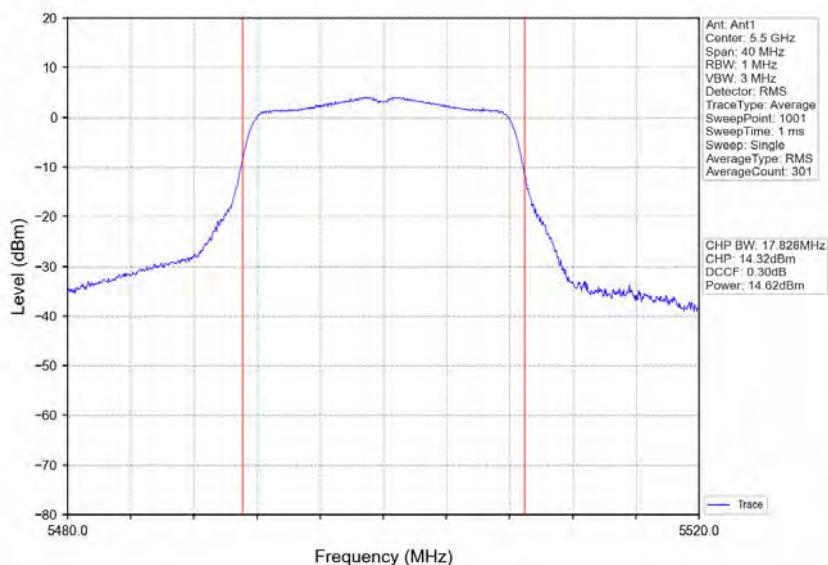
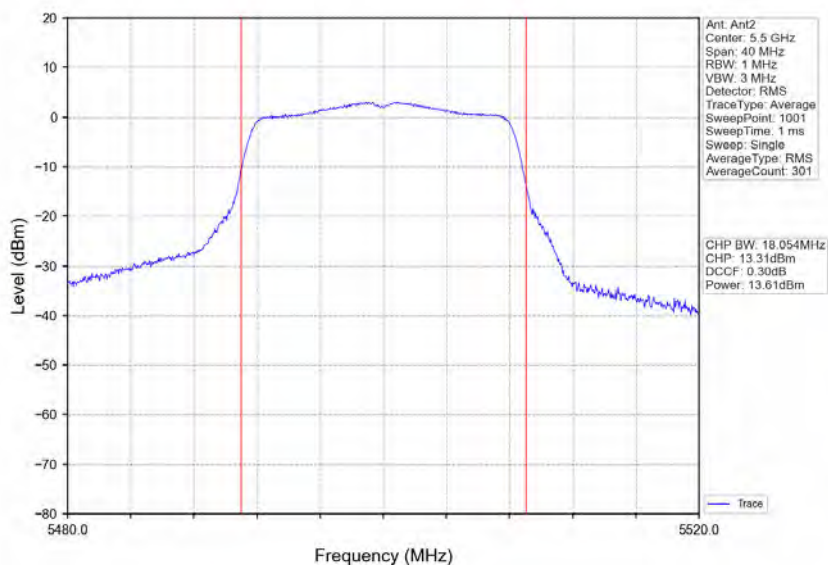


802.11a LCH_5500MHz_Ant1_NTNV



802.11a LCH_5500MHz_Ant2_NTNV



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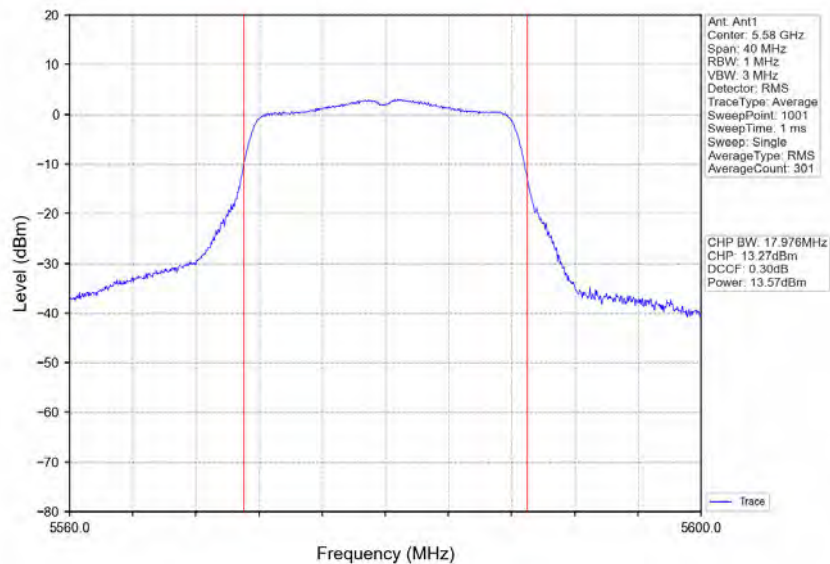
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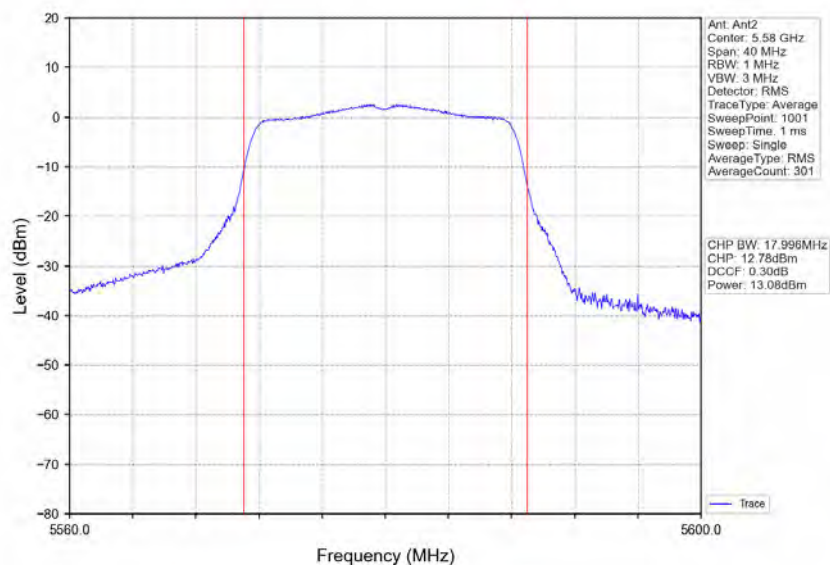
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802.11a_MCH_5580MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant2_NTNV



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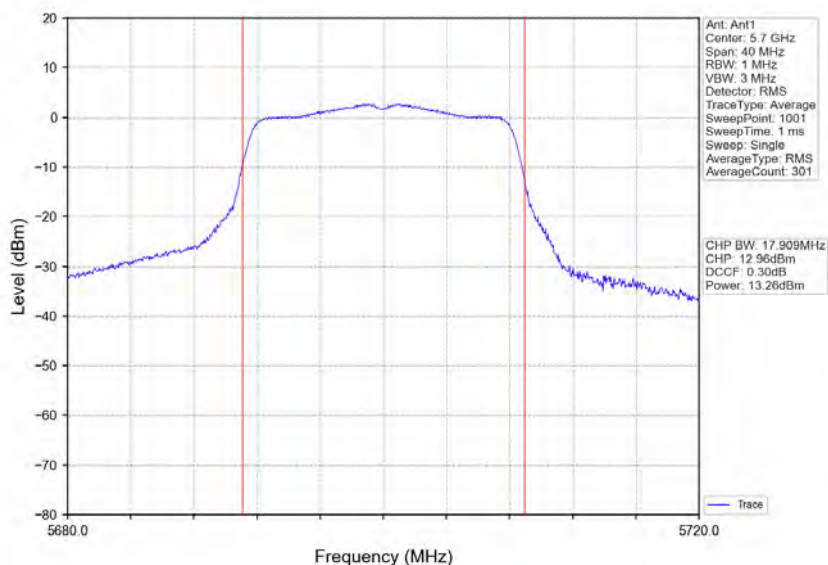
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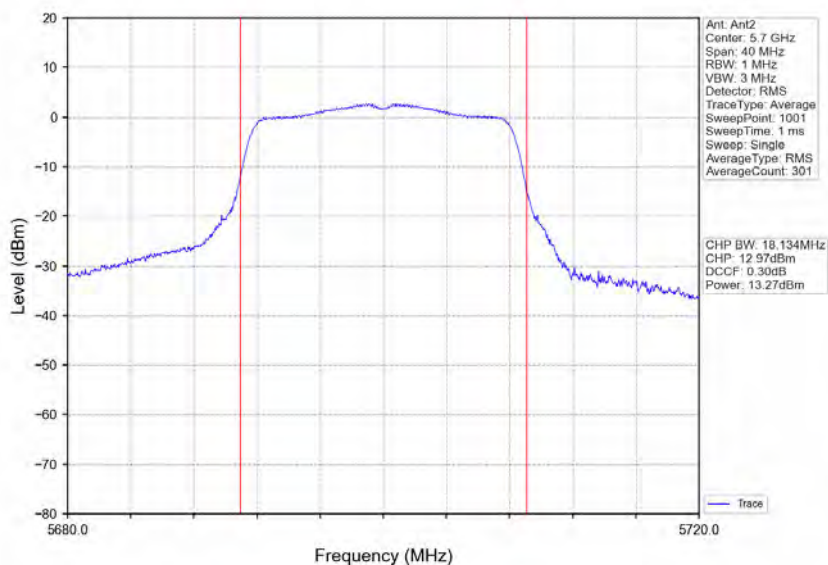
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



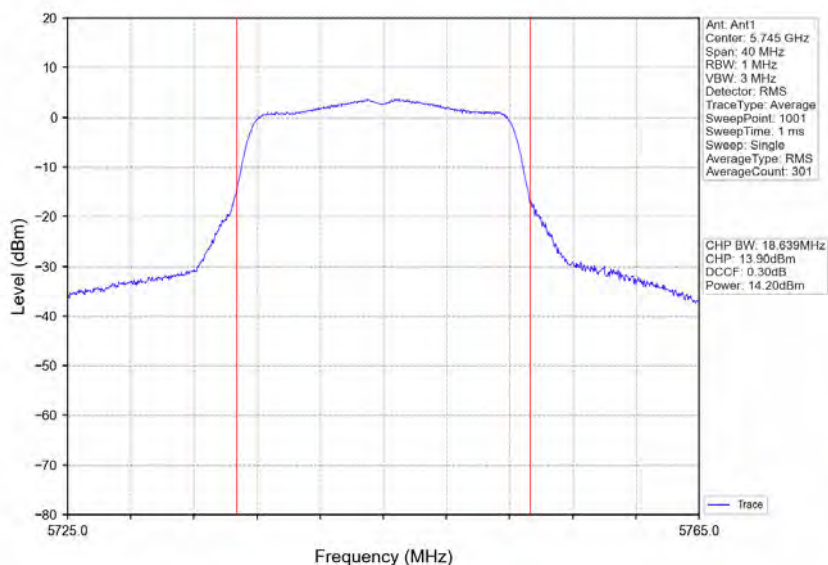
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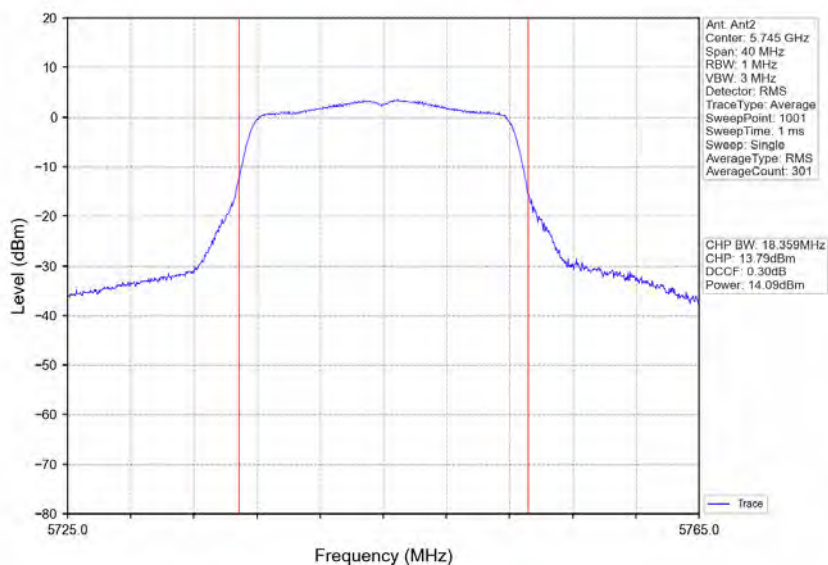
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802.11a LCH_5745MHz_Ant1_NTNV



802.11a LCH_5745MHz_Ant2_NTNV



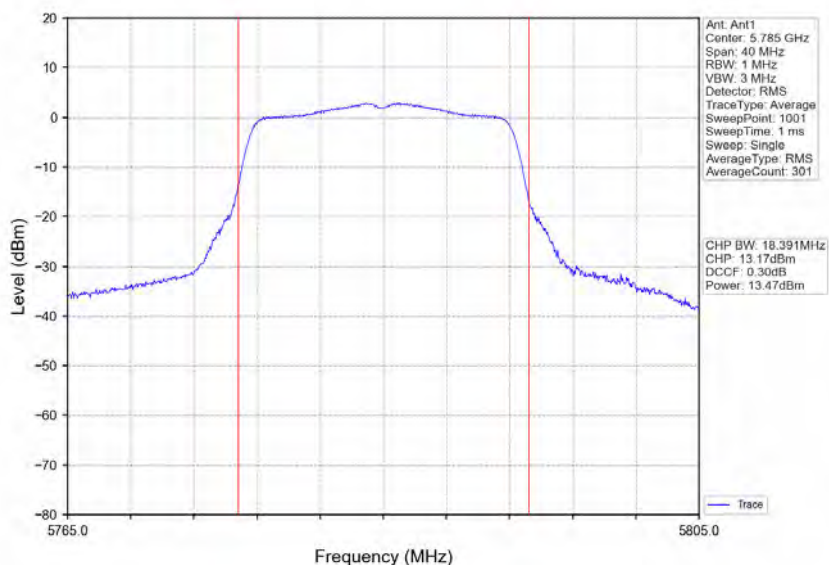
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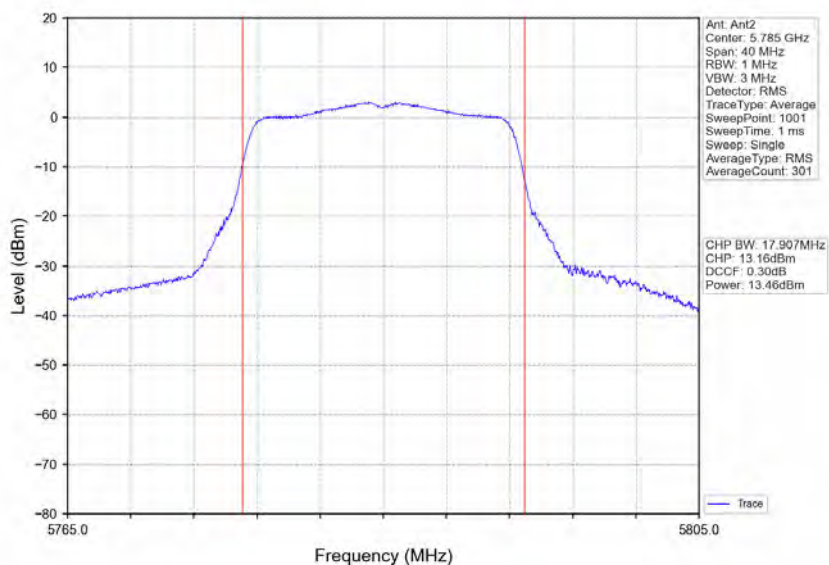
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



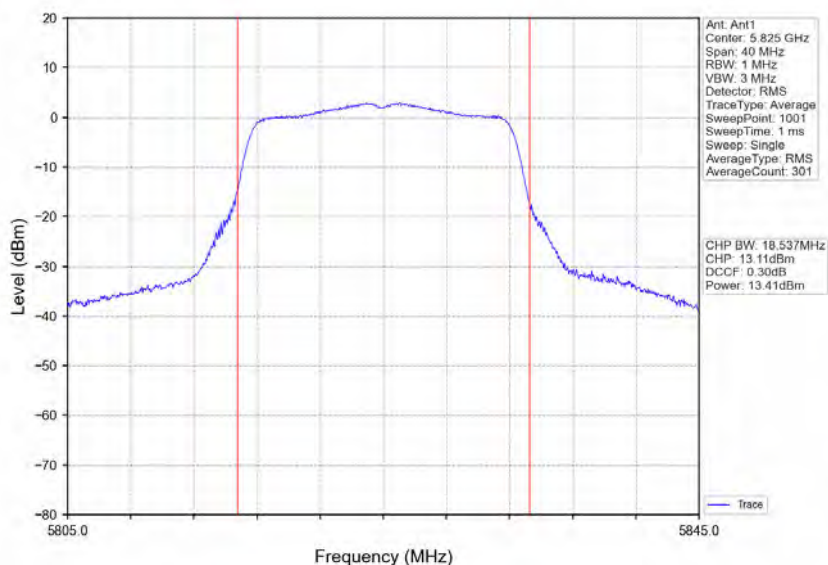
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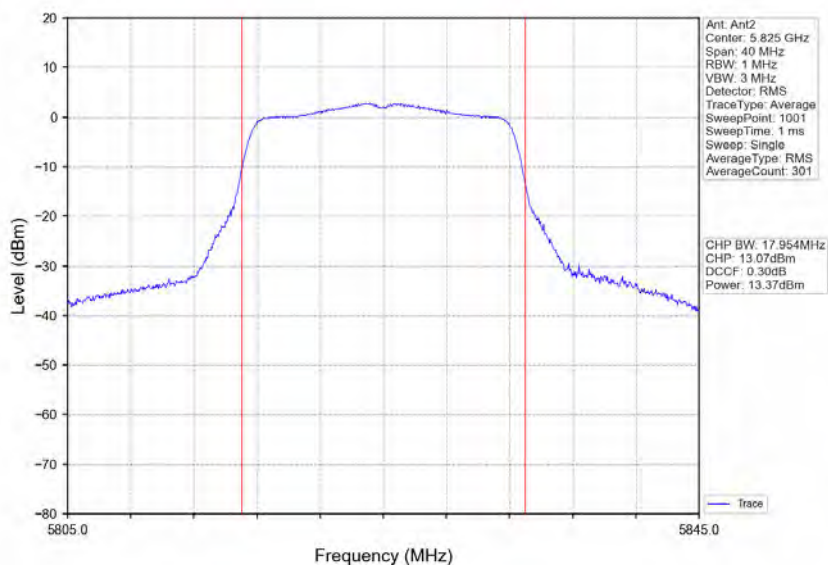
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



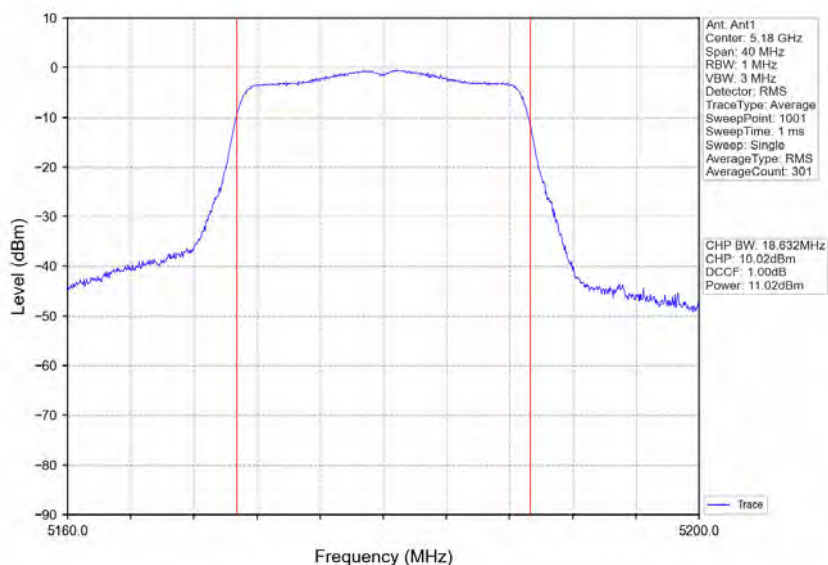
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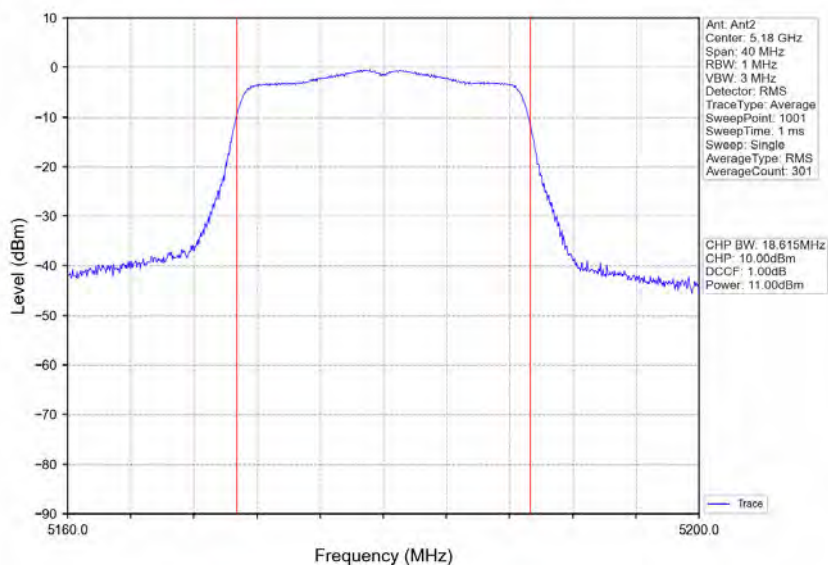
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



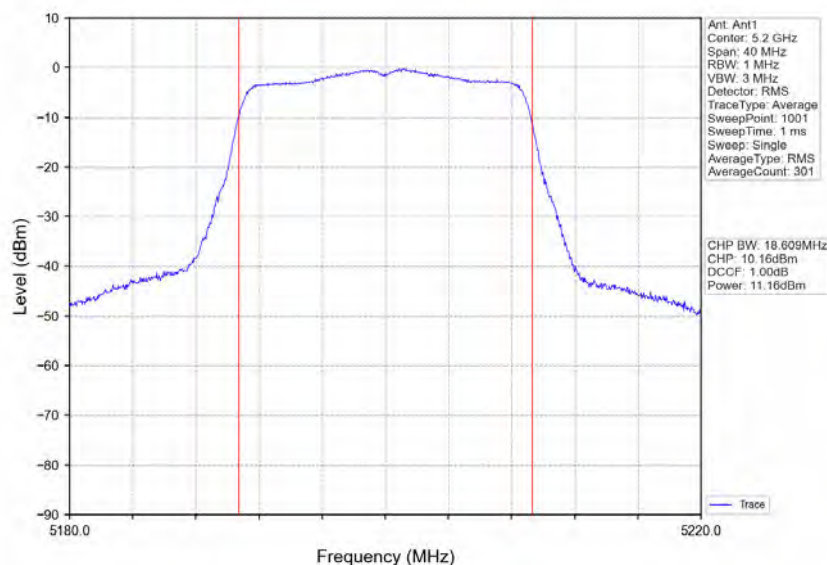
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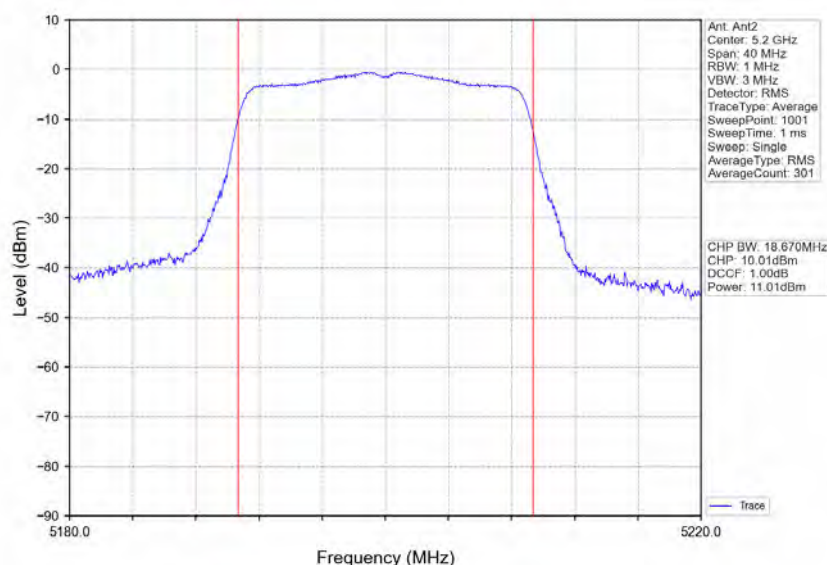
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



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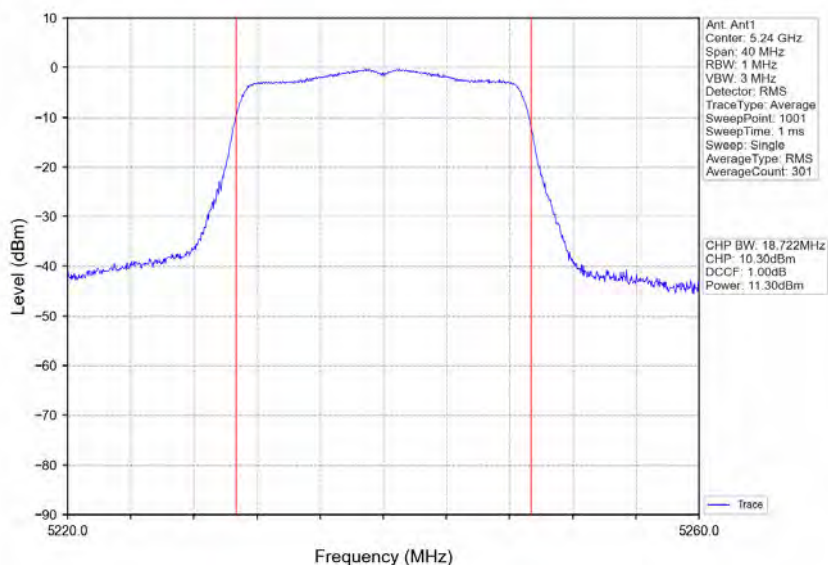
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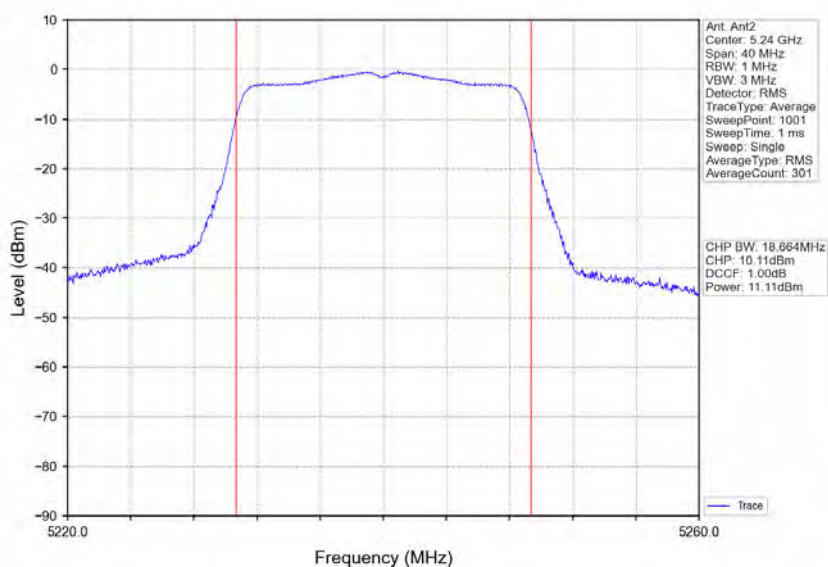
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802.11n(HT20) HCH 5240MHz_Ant1_NTNV



802.11n(HT20) HCH 5240MHz_Ant2_NTNV



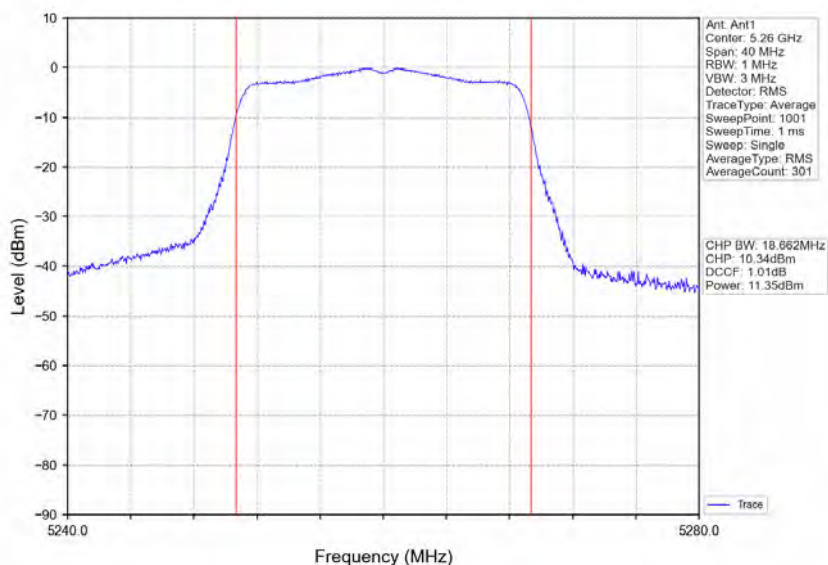
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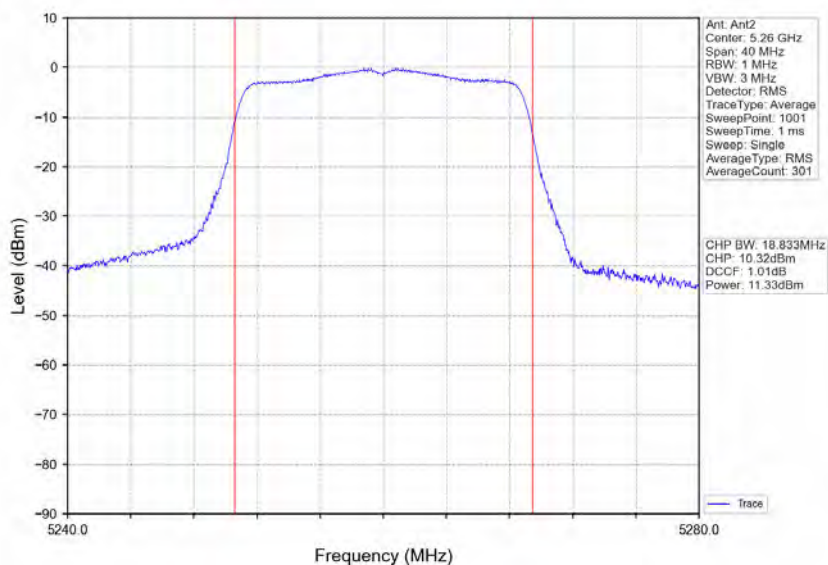
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802.11n(HT20) LCH 5260MHz Ant1 NTN



802.11n(HT20) LCH 5260MHz Ant2 NTN



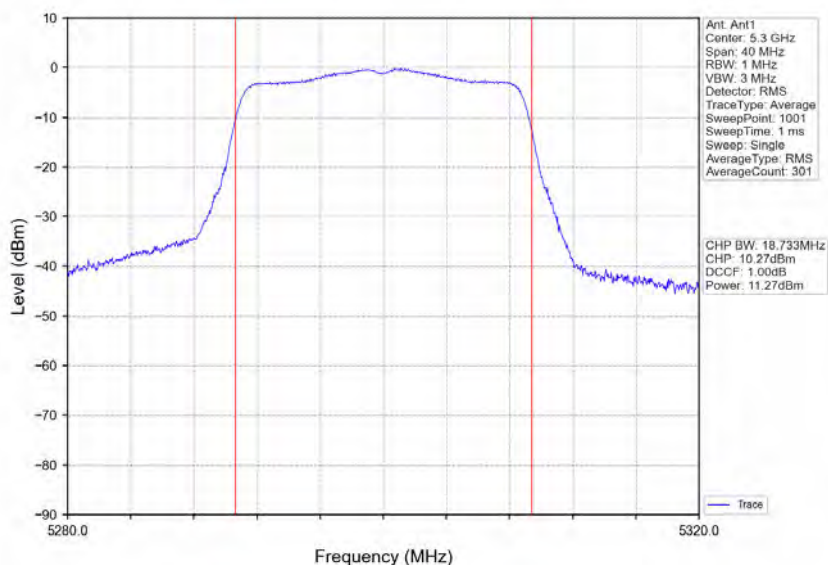
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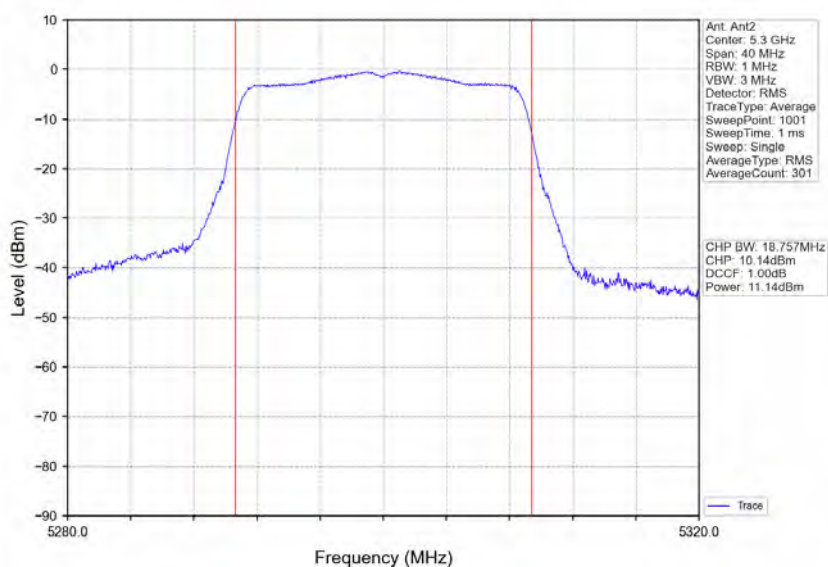
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802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



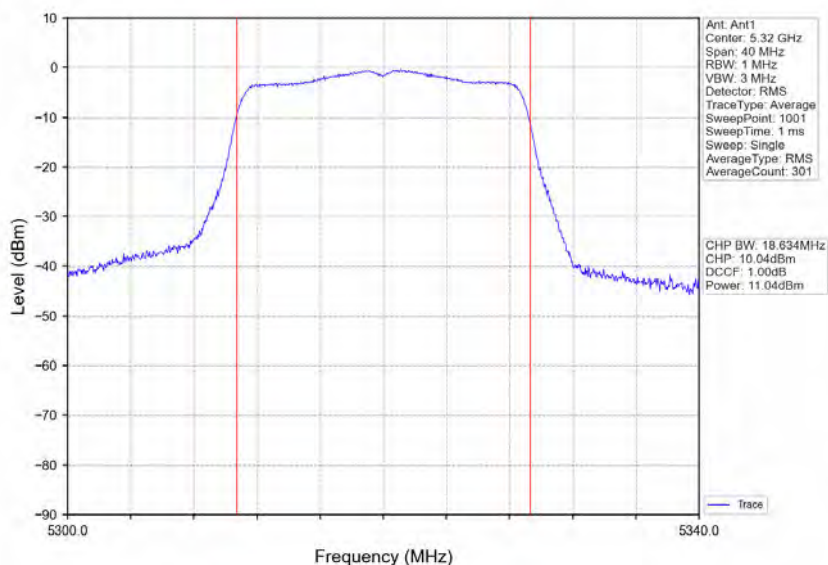
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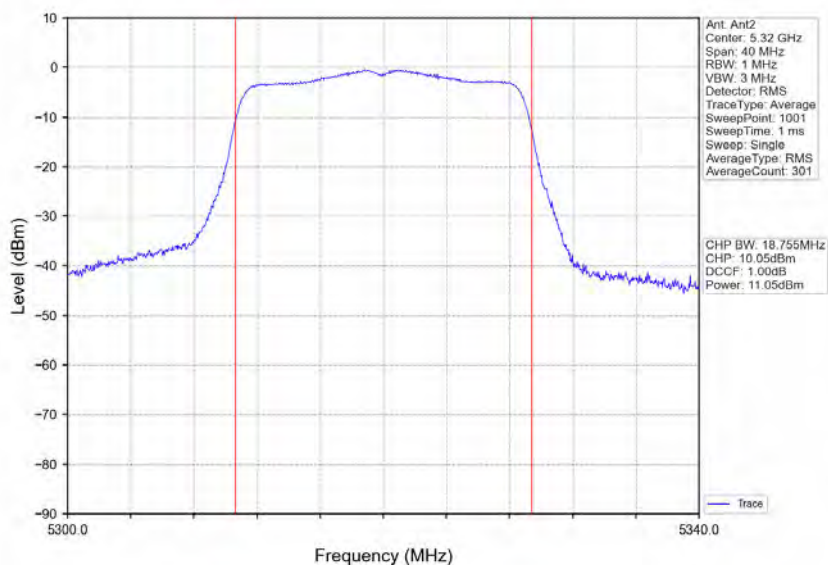
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802.11n(HT20) HCH 5320MHz_Ant1_NTNV



802.11n(HT20) HCH 5320MHz_Ant2_NTNV



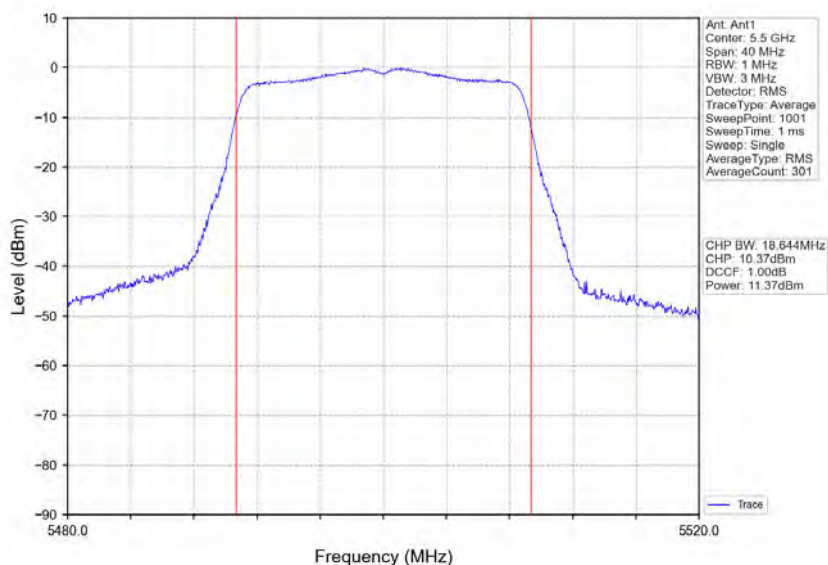
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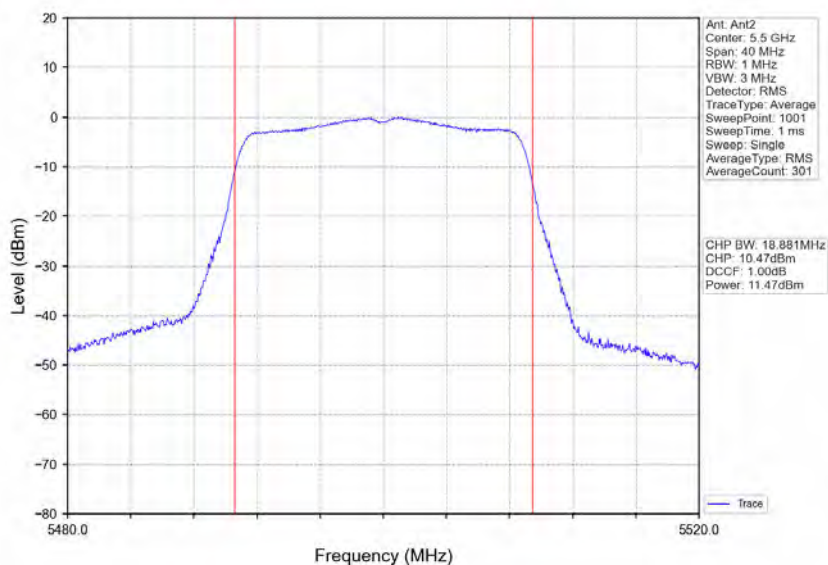
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802.11n(HT20) LCH 5500MHz Ant1 NTN



802.11n(HT20) LCH 5500MHz Ant2 NTN



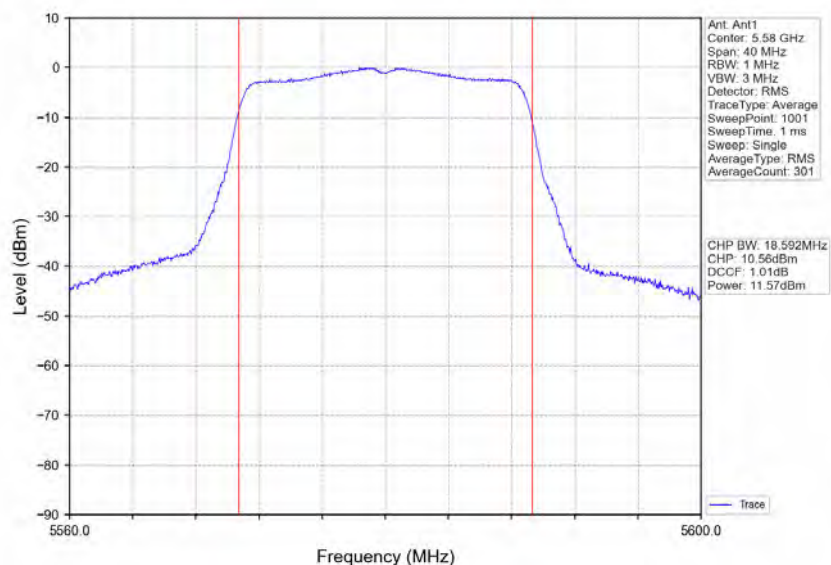
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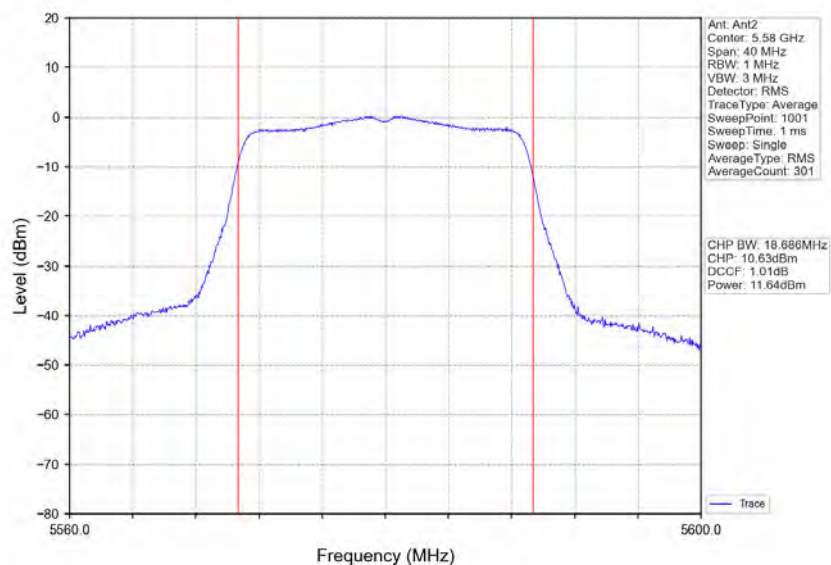
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



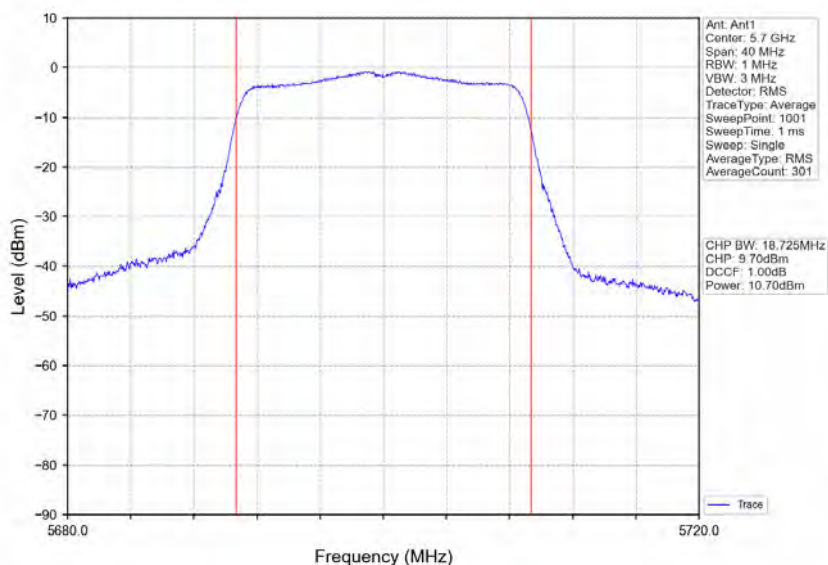
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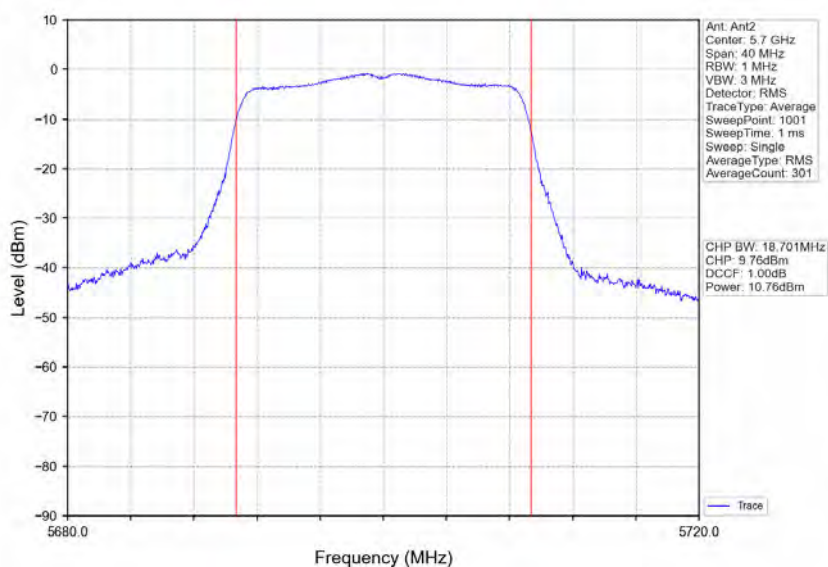
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802.11n(HT20) HCH 5700MHz_Ant1_NTNV



802.11n(HT20) HCH 5700MHz_Ant2_NTNV



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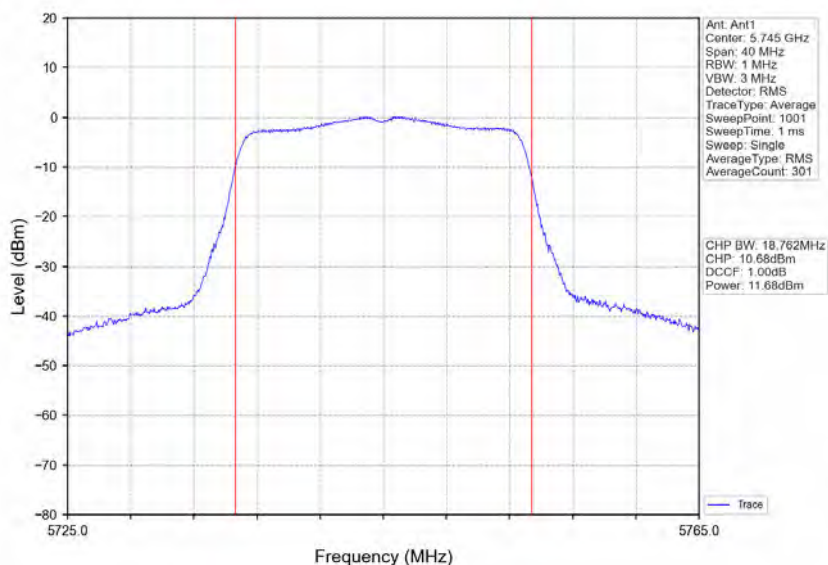
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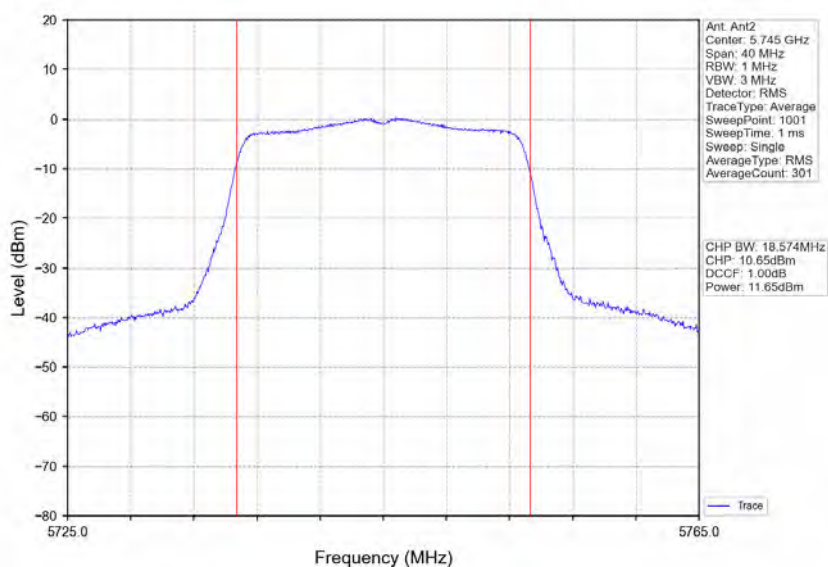
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



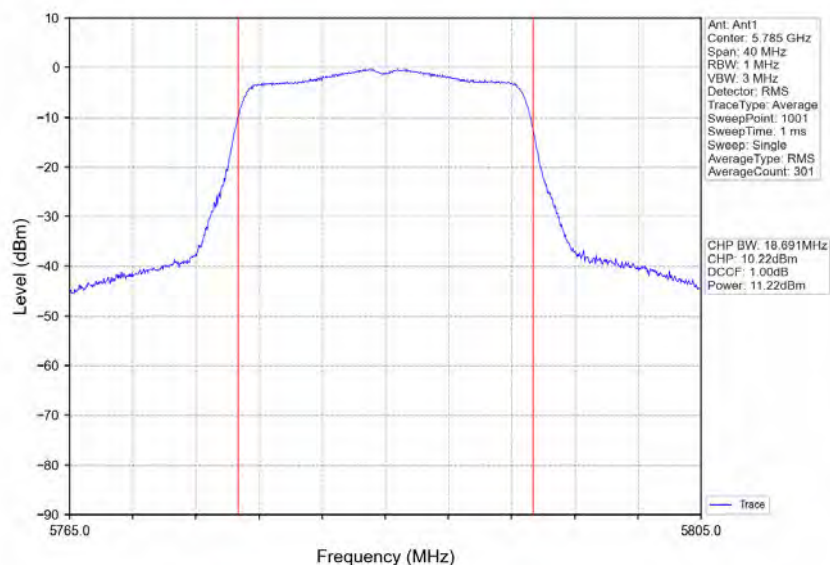
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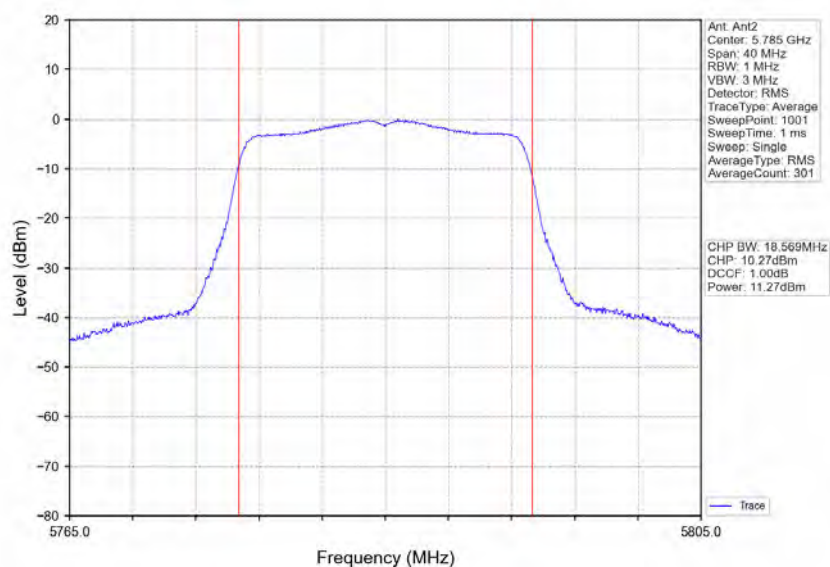
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



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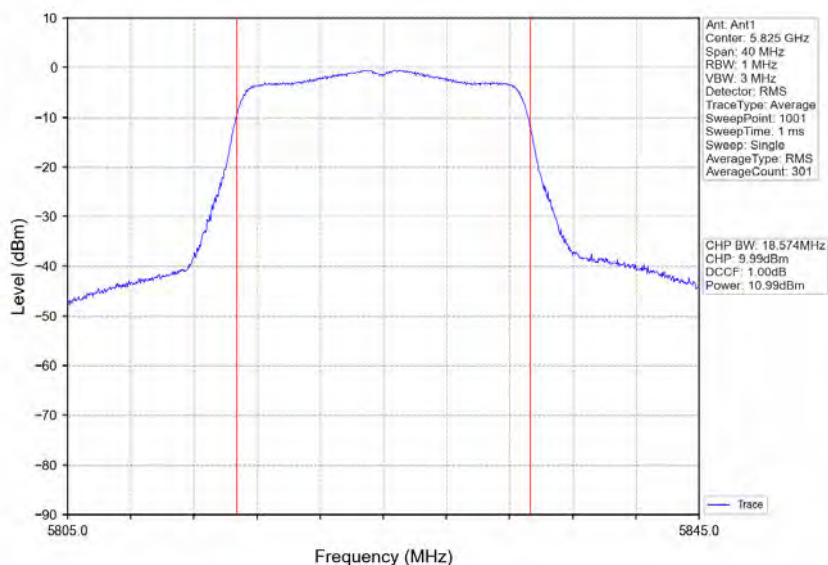
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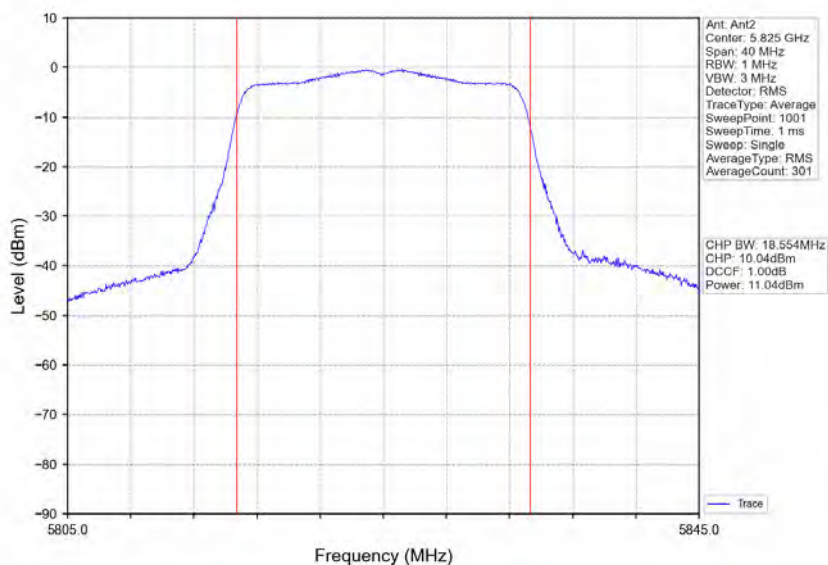
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802.11n(HT20) HCH 5825MHz_Ant1_NTNV



802.11n(HT20) HCH 5825MHz_Ant2_NTNV



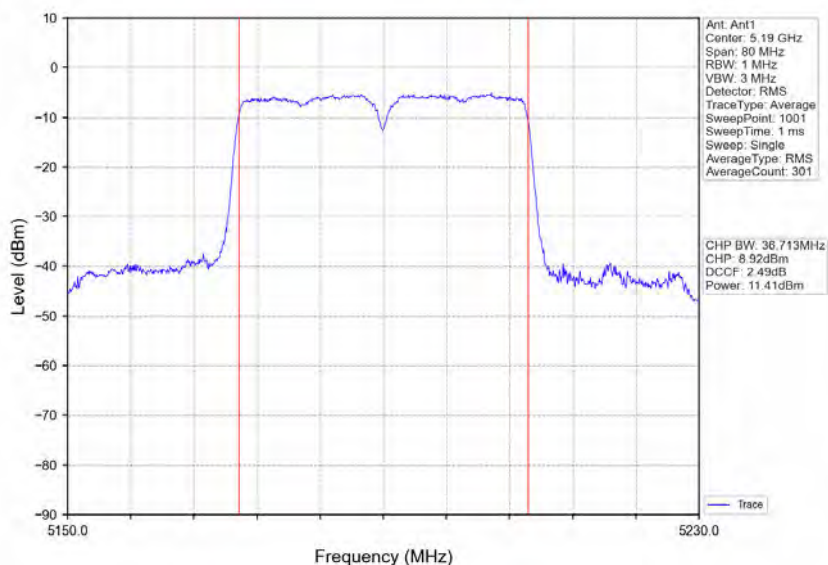
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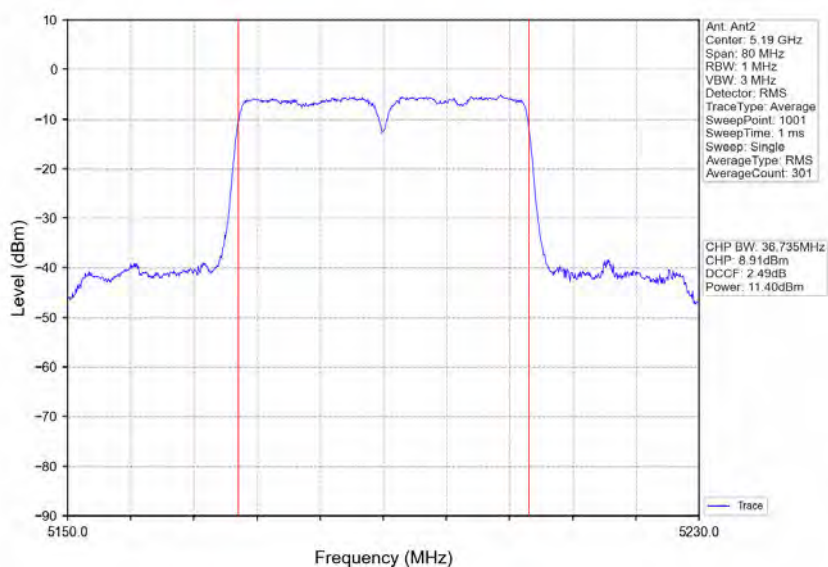
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) LCH 5190MHz Ant2 NTN



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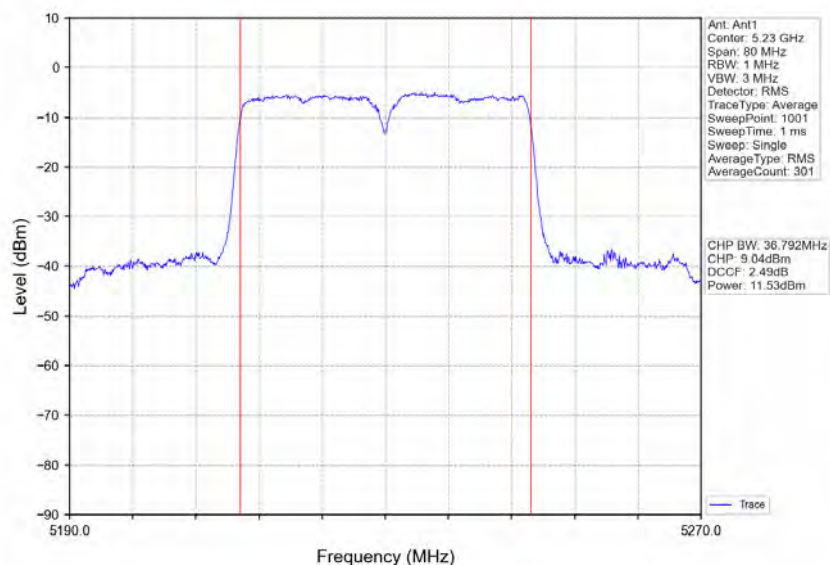
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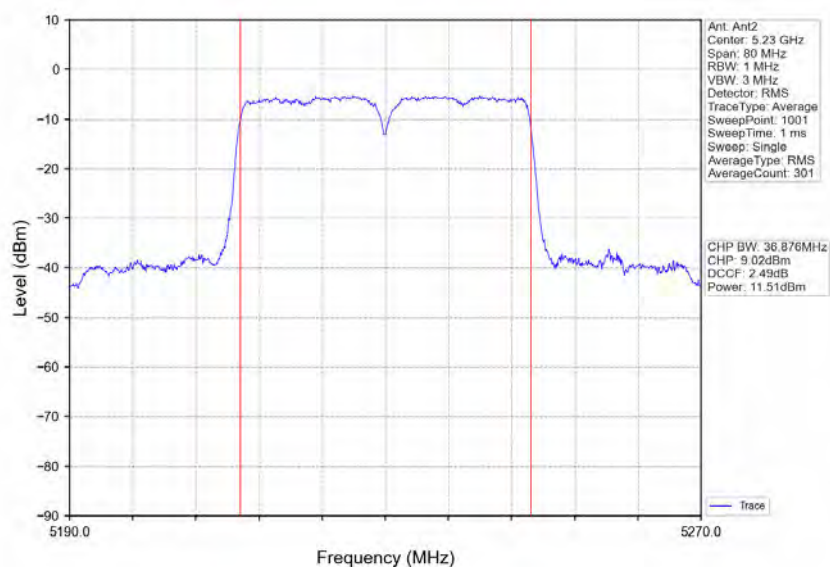
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802.11n(HT40) HCH 5230MHz_Ant1_NTNV



802.11n(HT40) HCH 5230MHz_Ant2_NTNV



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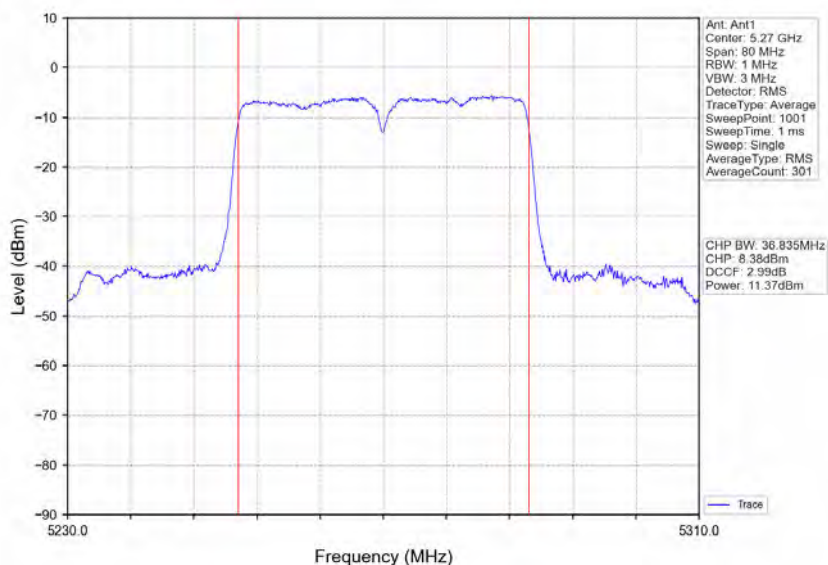
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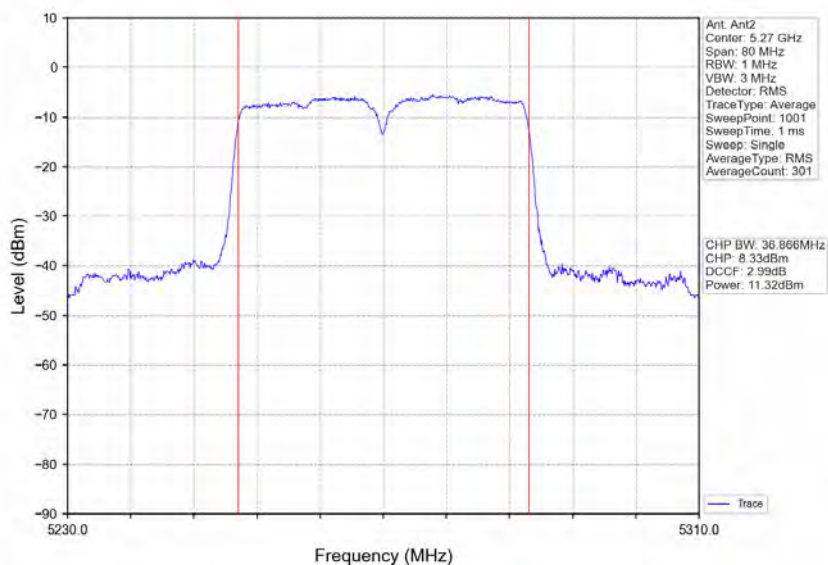
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802.11n(HT40) LCH 5270MHz Ant1 NTN



802.11n(HT40) LCH 5270MHz Ant2 NTN



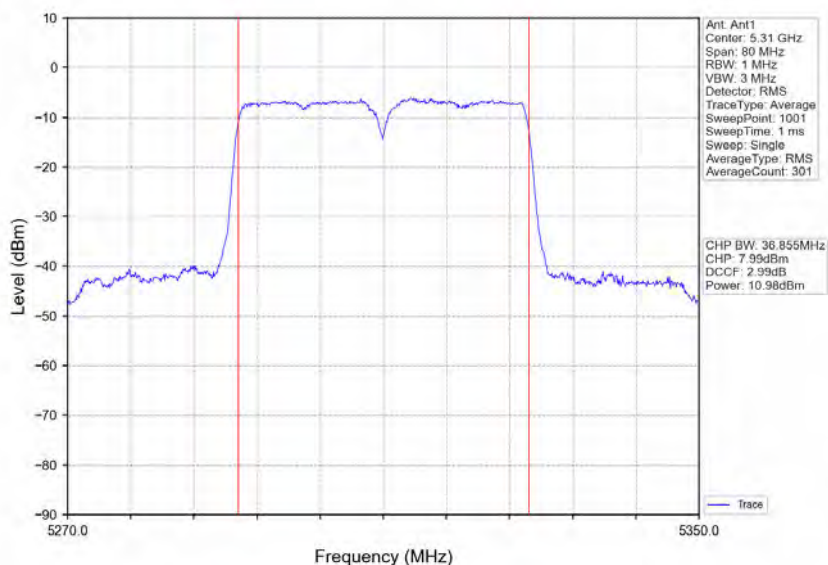
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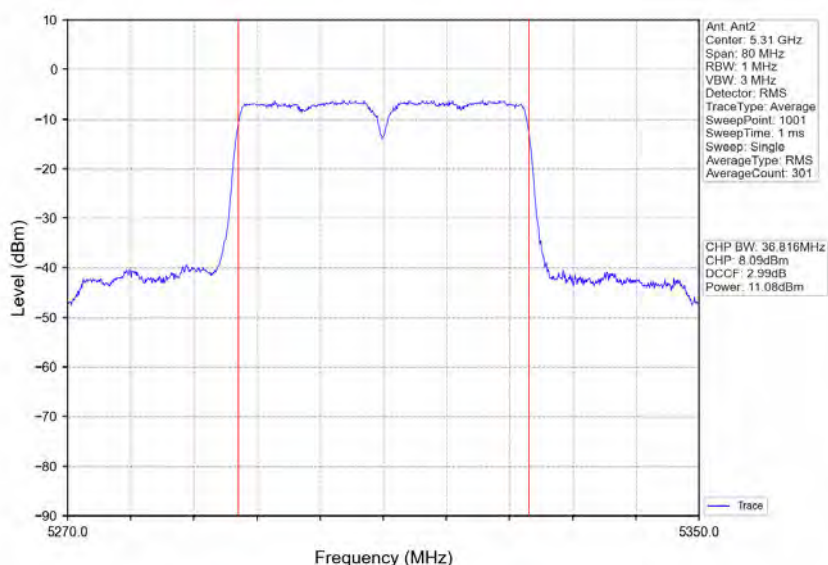
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802.11n(HT40) HCH 5310MHz_Ant1_NTNV



802.11n(HT40) HCH 5310MHz_Ant2_NTNV



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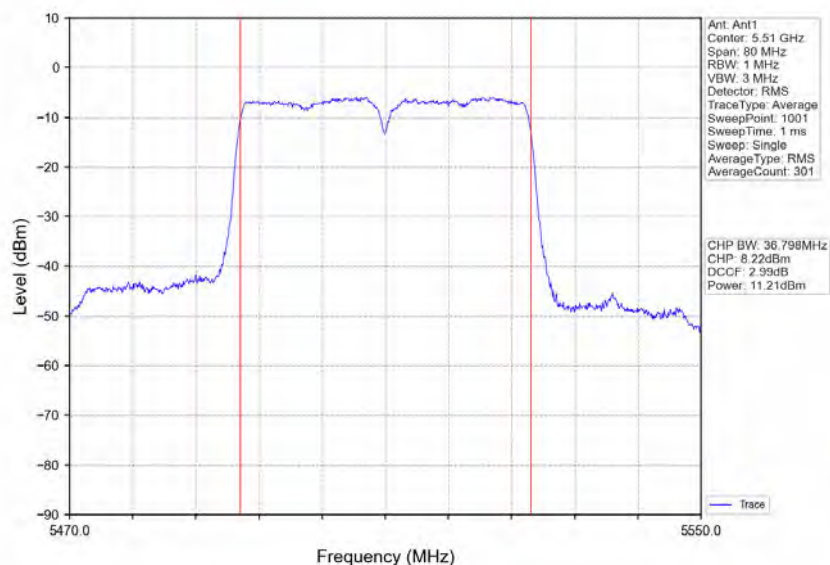
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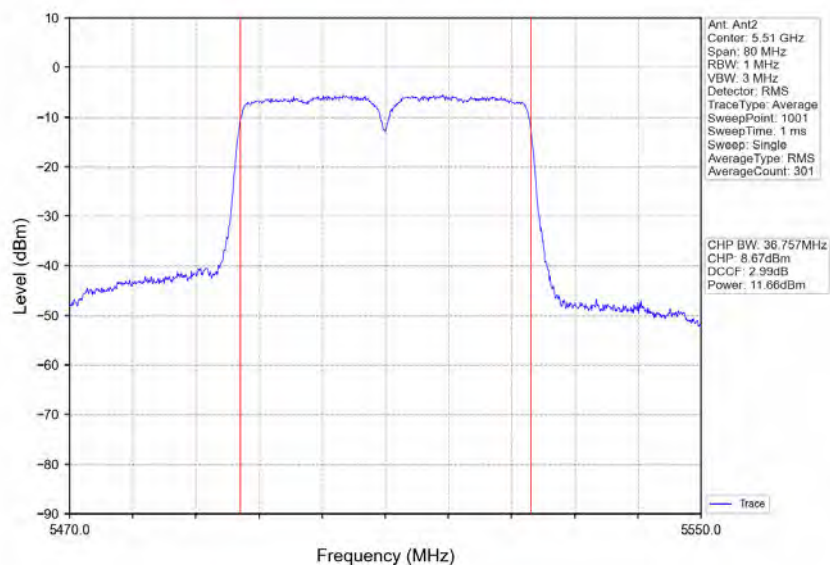
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802.11n(HT40) LCH 5510MHz Ant1 NTN



802.11n(HT40) LCH 5510MHz Ant2 NTN



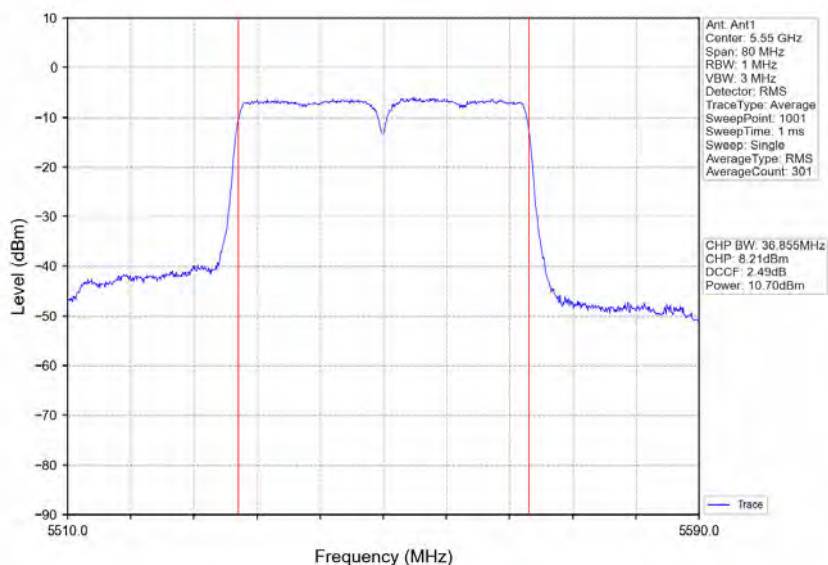
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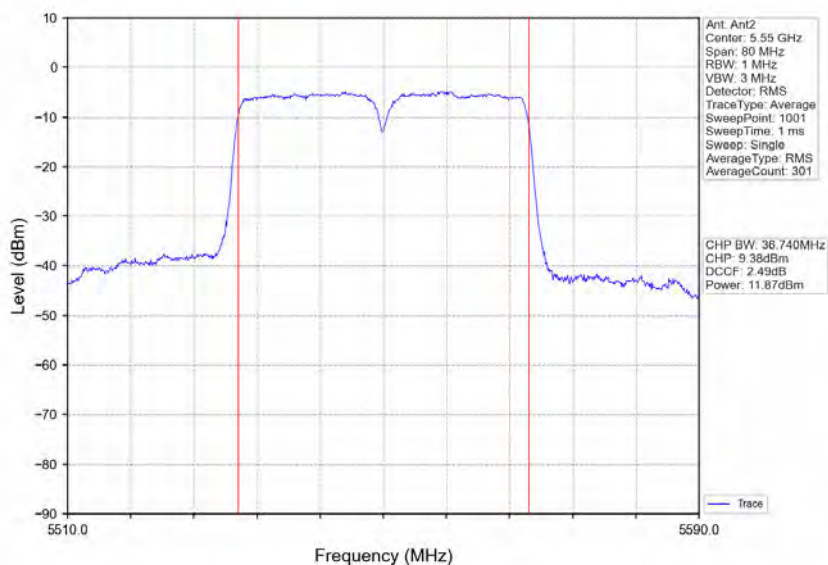
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802.11n(HT40) MCH 5550MHz_Ant1_NTNV



802.11n(HT40) MCH 5550MHz_Ant2_NTNV



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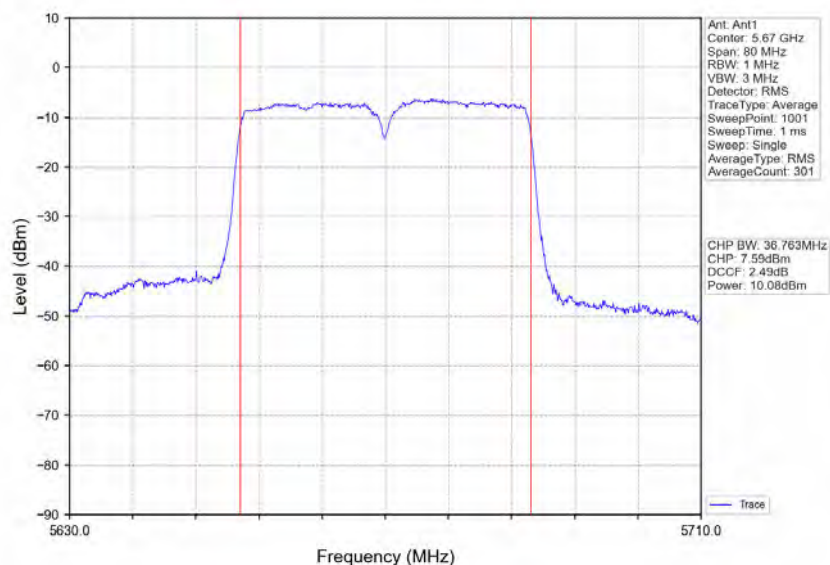
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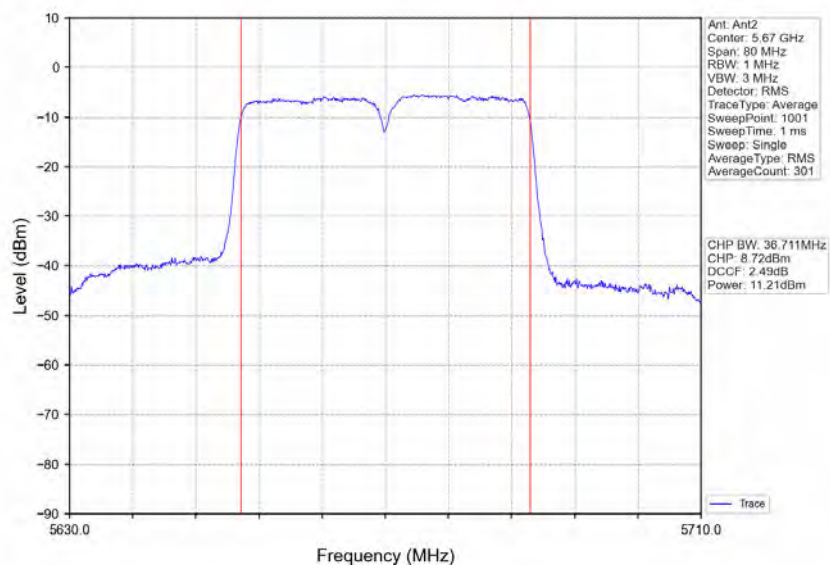
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802.11n(HT40) HCH 5670MHz Ant1_NTNV



802.11n(HT40) HCH 5670MHz Ant2_NTNV



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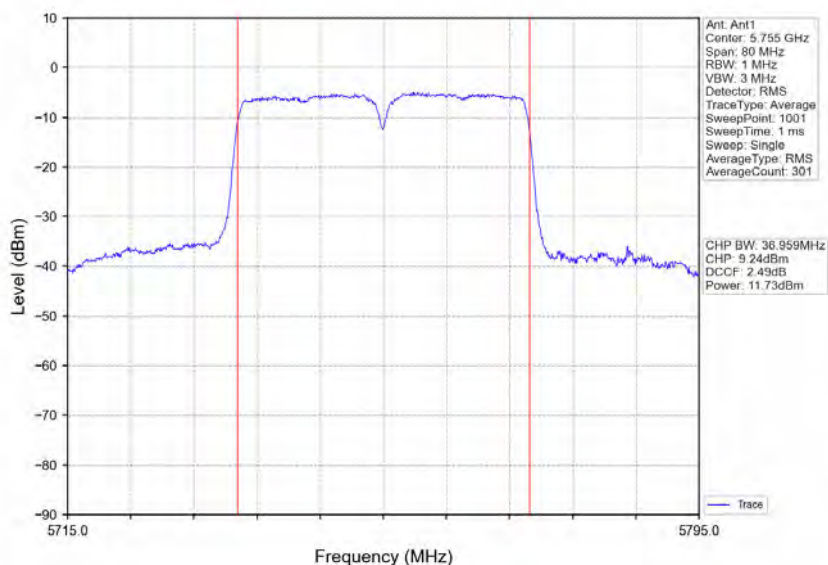
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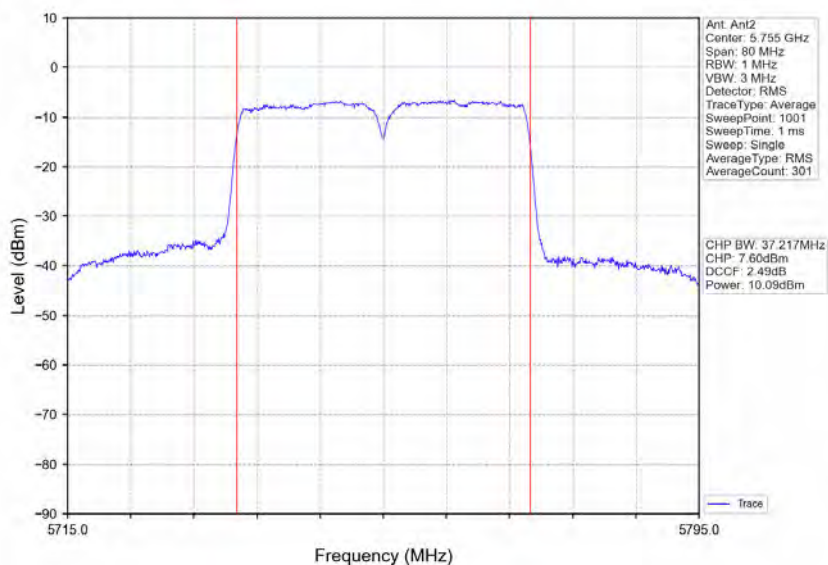
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) LCH 5755MHz Ant2 NTN



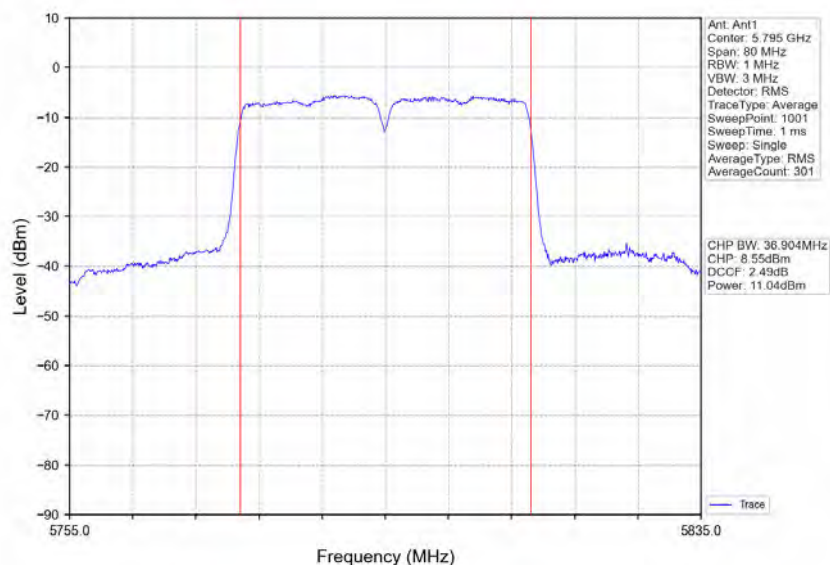
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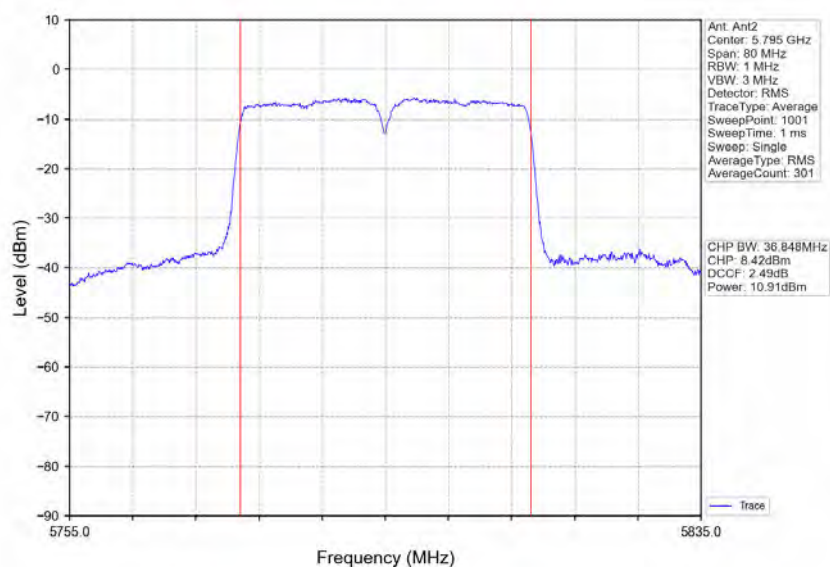
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802.11n(HT40) HCH 5795MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant2 NTN



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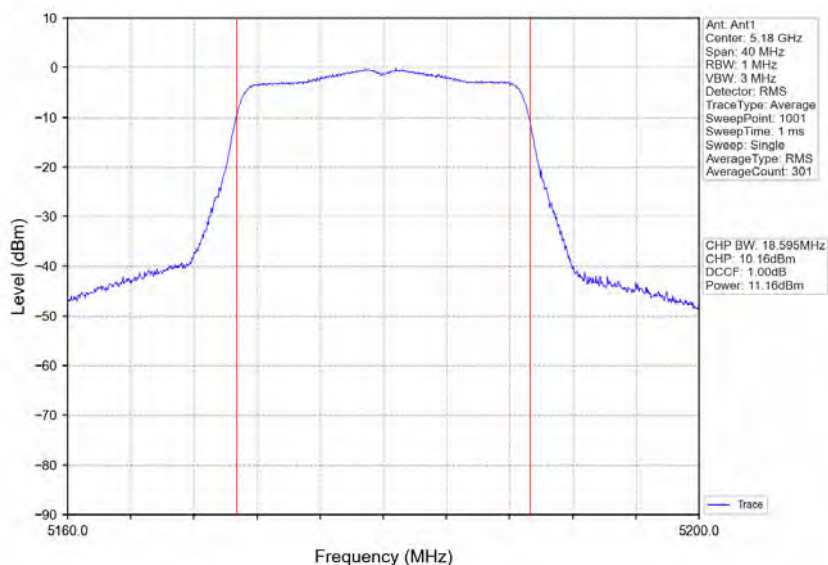
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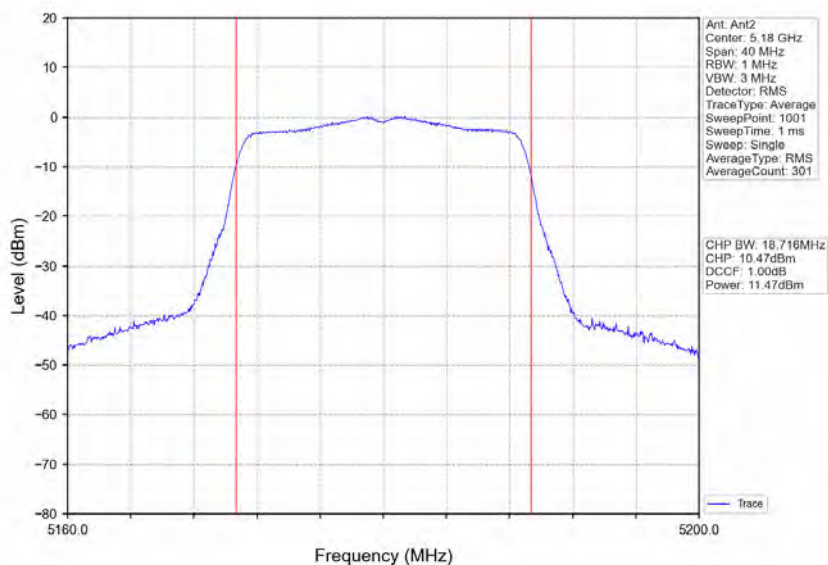
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802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20) LCH_5180MHz_Ant2_NTNV



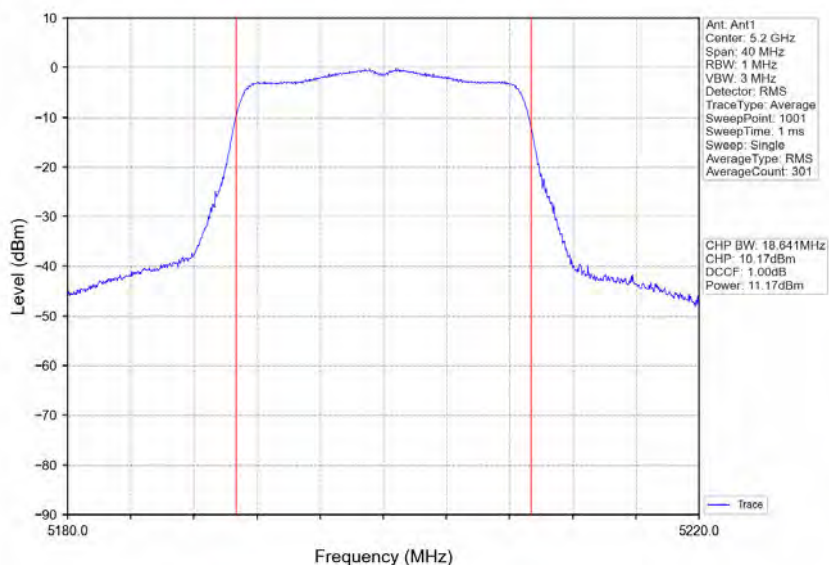
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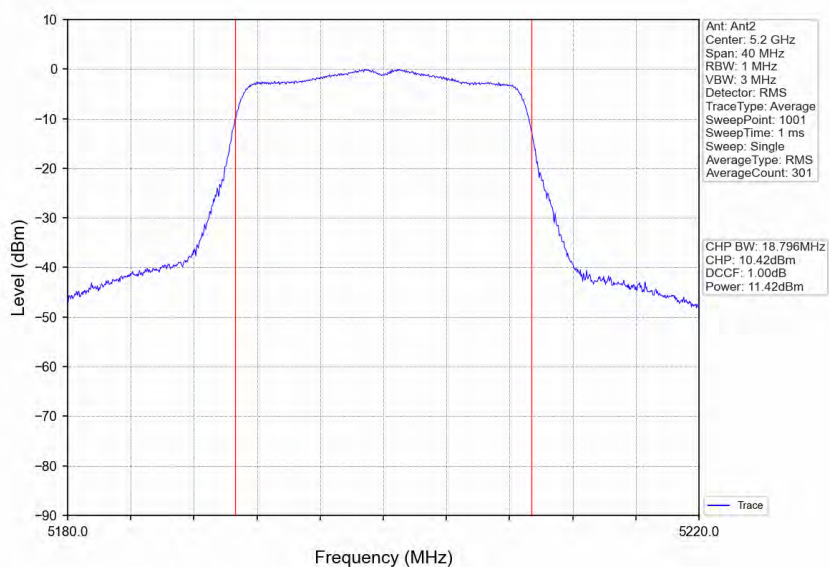
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802.11ac(VHT20) MCH 5200MHz Ant1_NTNV



802.11ac(VHT20) MCH 5200MHz Ant2_NTNV



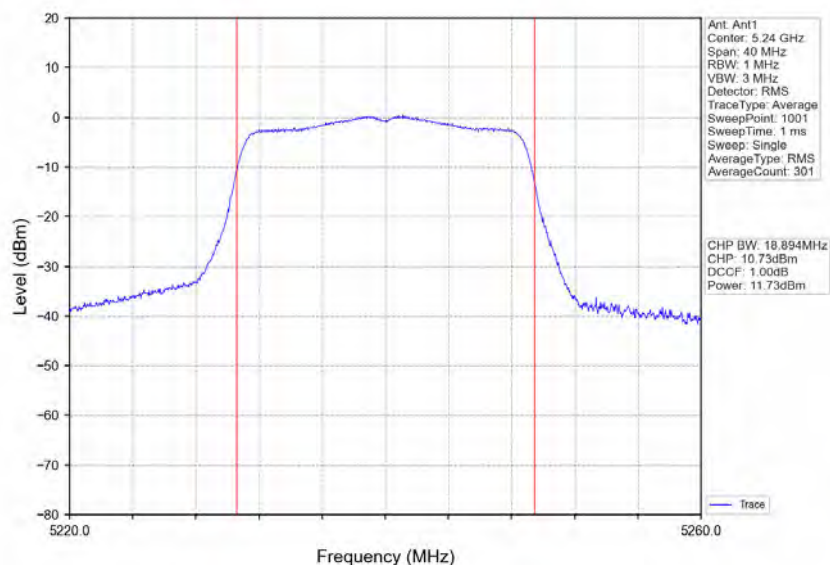
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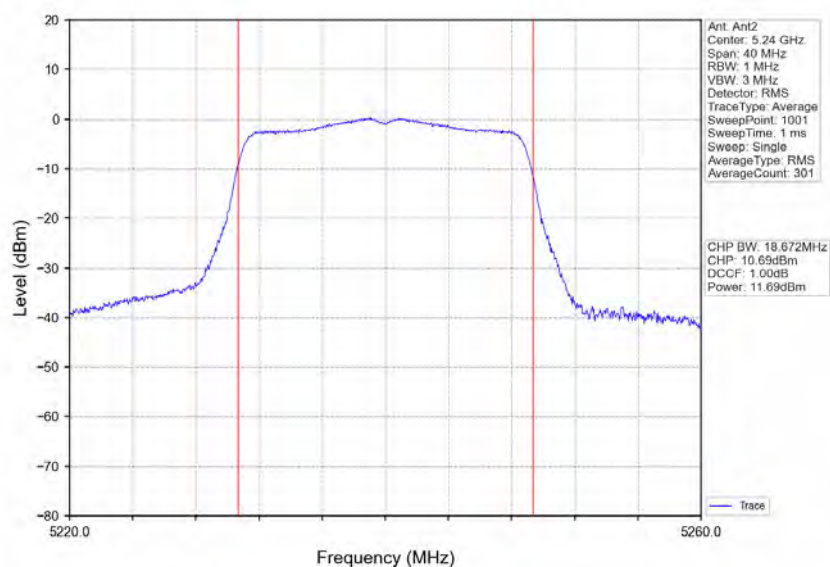
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802.11ac(VHT20) HCH 5240MHz Ant1 NTNV



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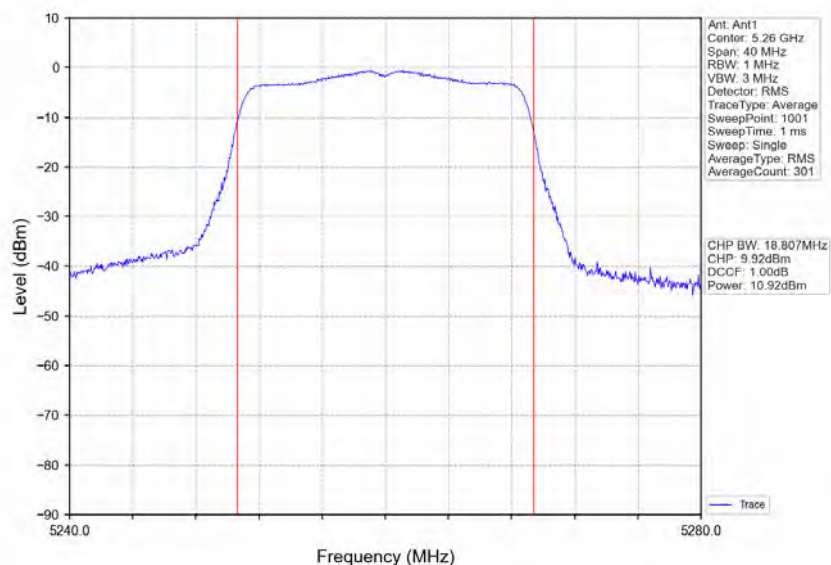
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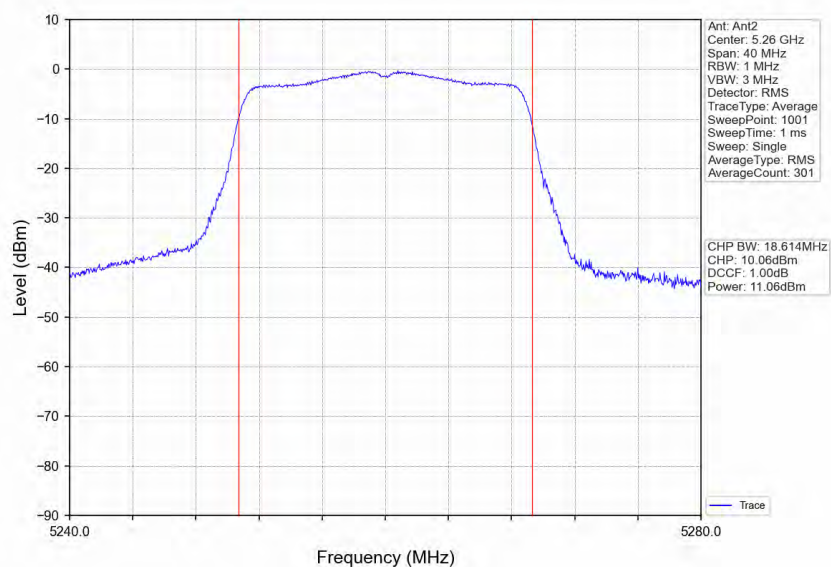
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802.11ac(VHT20) LCH_5260MHz_Ant1_NTNV



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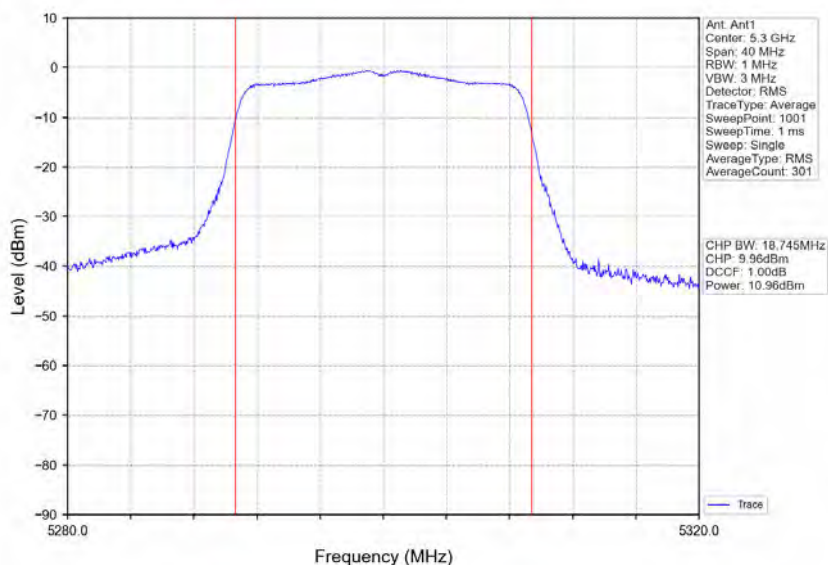
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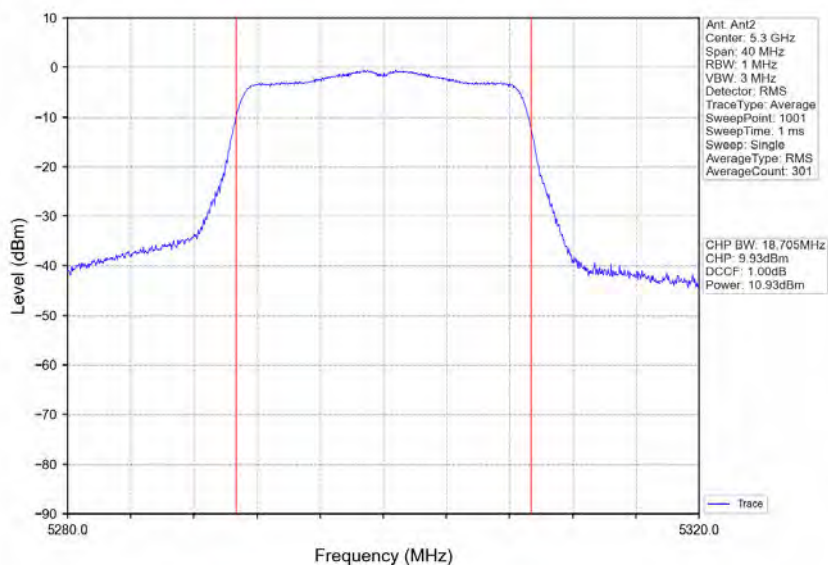
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802.11ac(VHT20) MCH 5300MHz_Ant1_NTNV



802.11ac(VHT20) MCH 5300MHz_Ant2_NTNV



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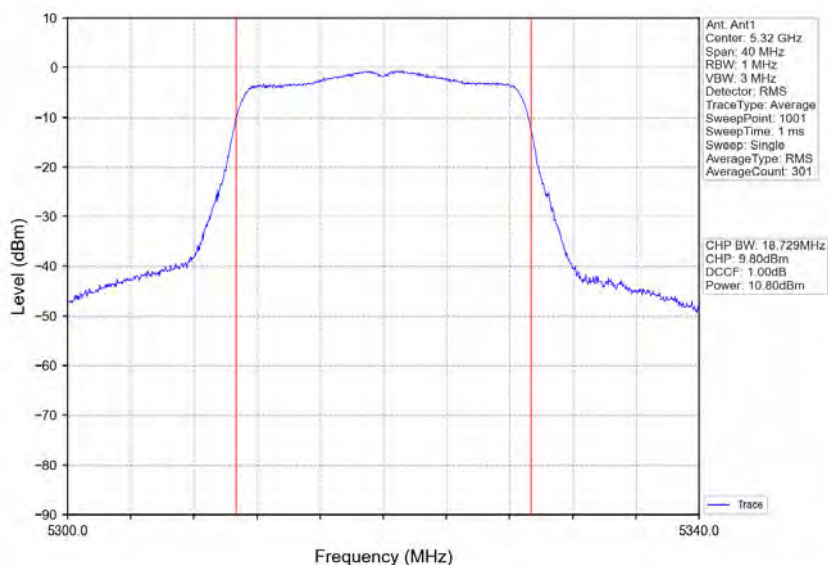
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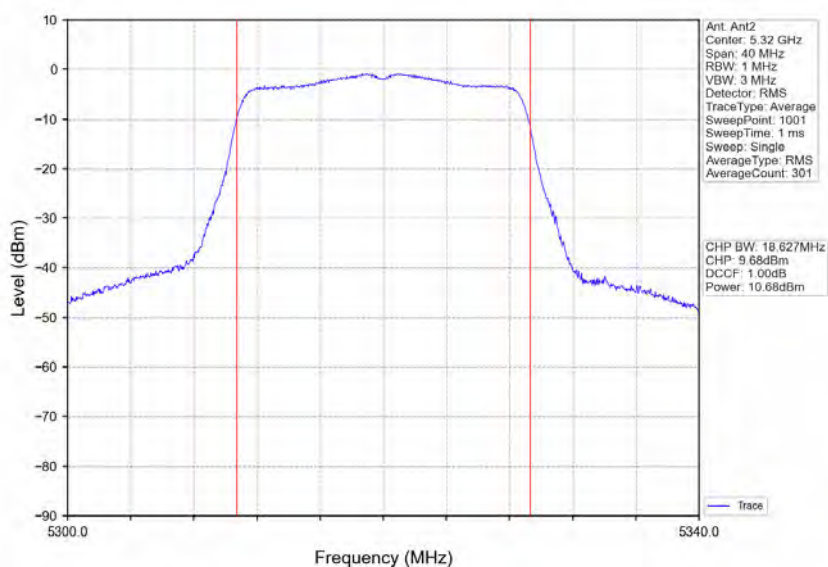
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802.11ac(VHT20) HCH 5320MHz Ant1 NTV



802.11ac(VHT20) HCH 5320MHz Ant2 NTV



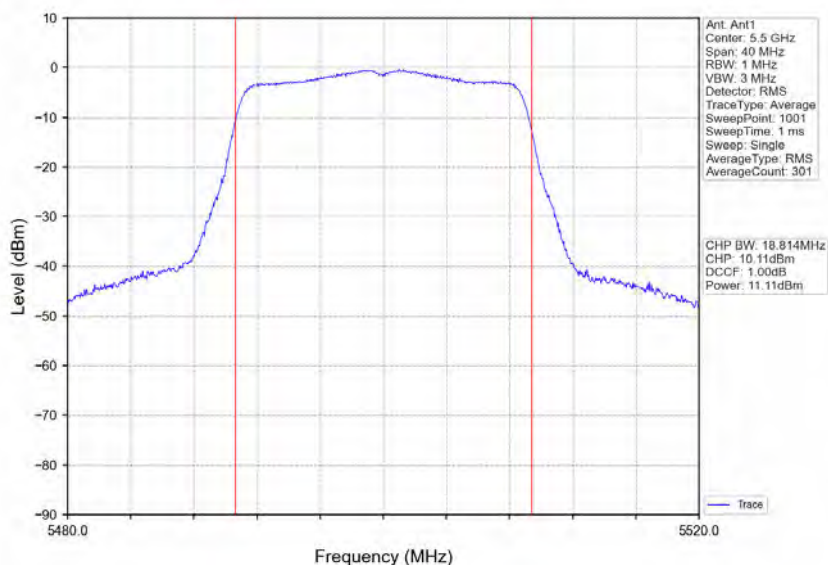
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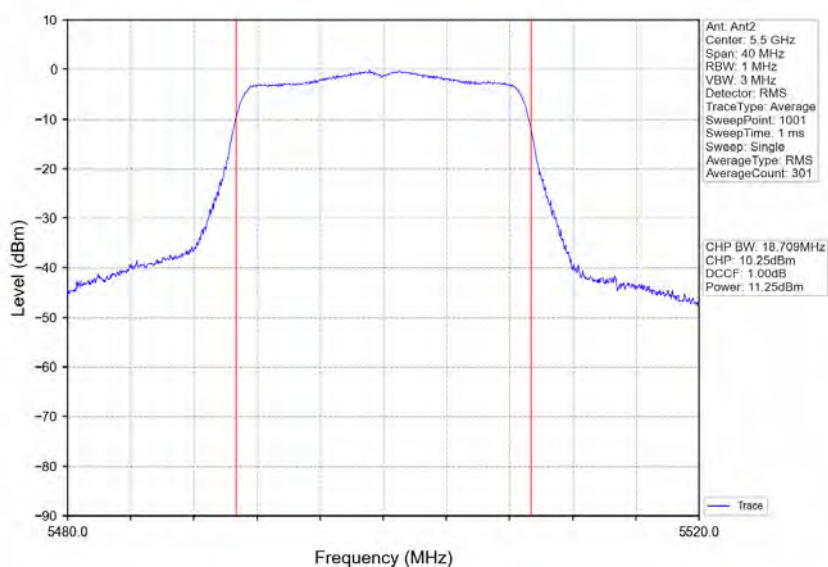
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802.11ac(VHT20) LCH_5500MHz_Ant1_NTNV



802.11ac(VHT20) LCH_5500MHz_Ant2_NTNV



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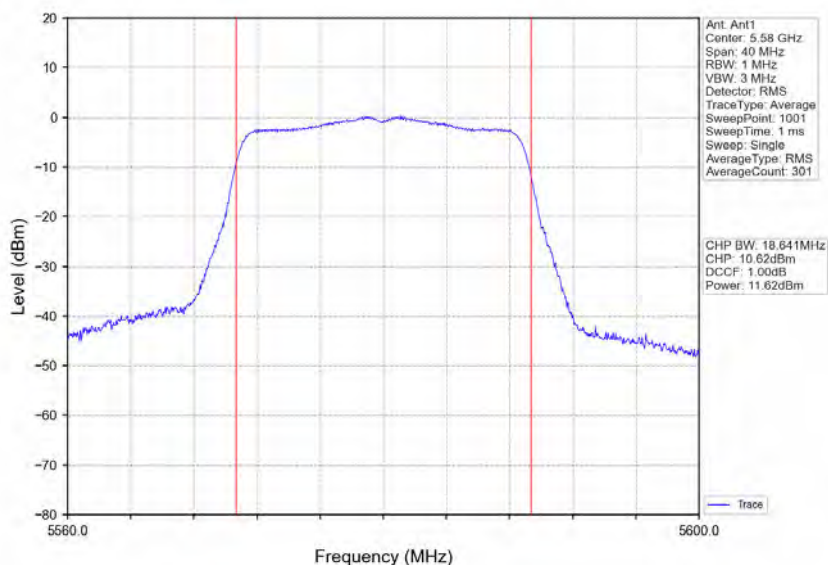
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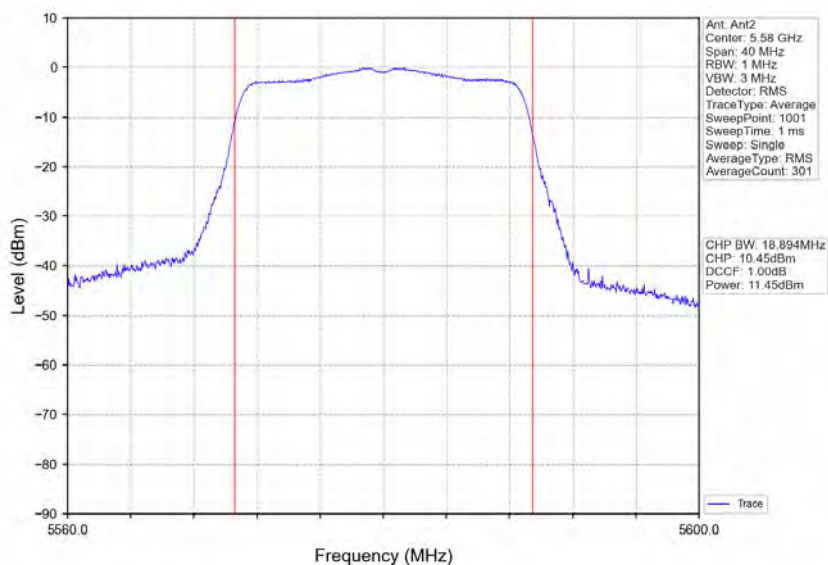
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802.11ac(VHT20) MCH 5580MHz Ant1_NTNV



802.11ac(VHT20) MCH 5580MHz Ant2_NTNV



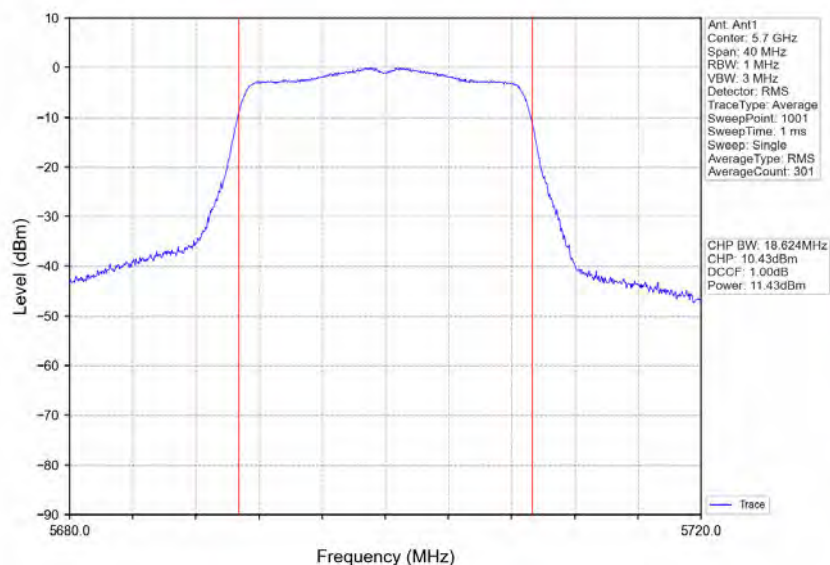
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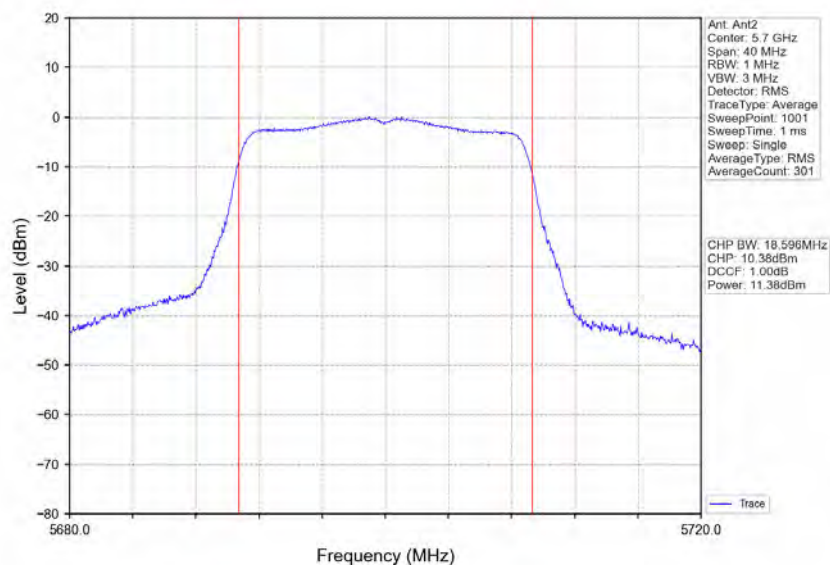
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802.11ac(VHT20) HCH 5700MHz Ant1 NTNV



802.11ac(VHT20) HCH 5700MHz Ant2 NTNV



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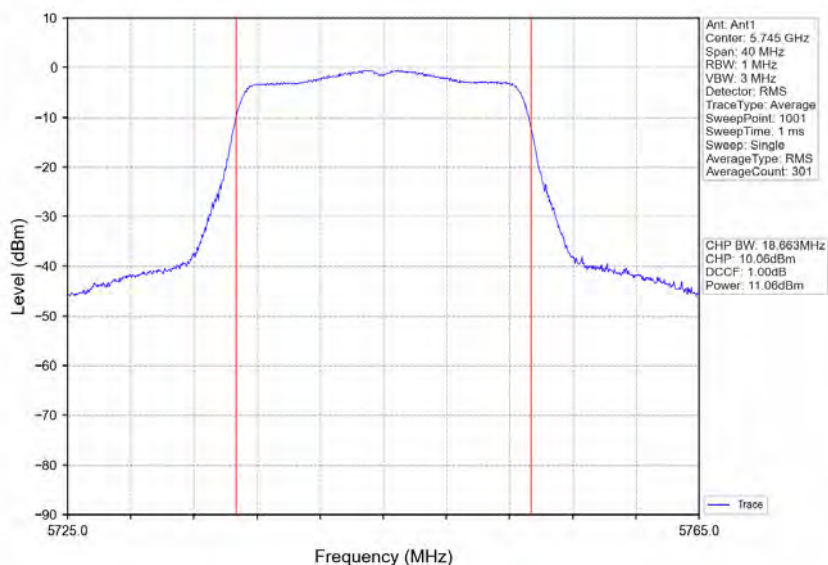
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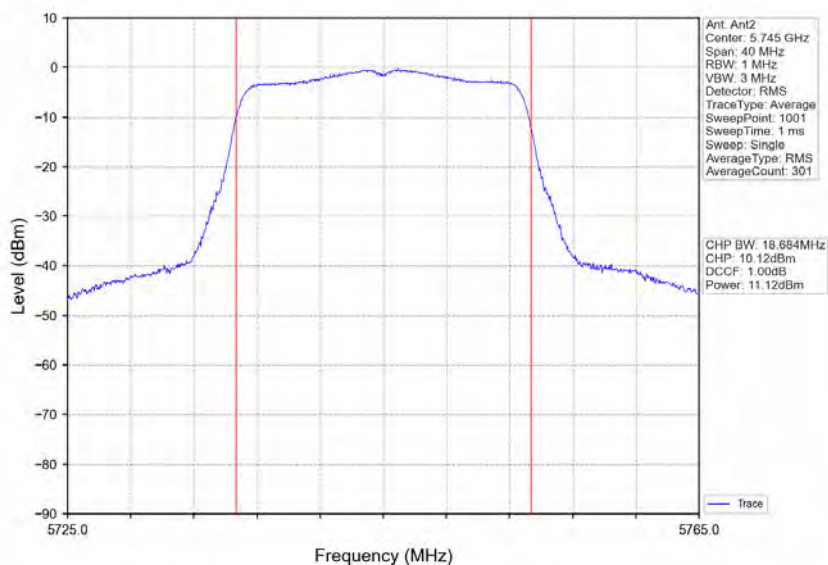
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802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20) LCH_5745MHz_Ant2_NTNV



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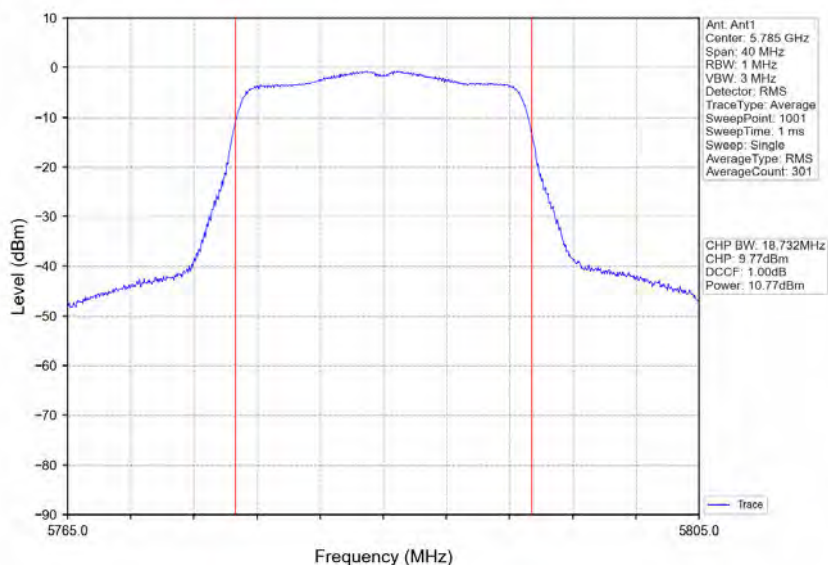
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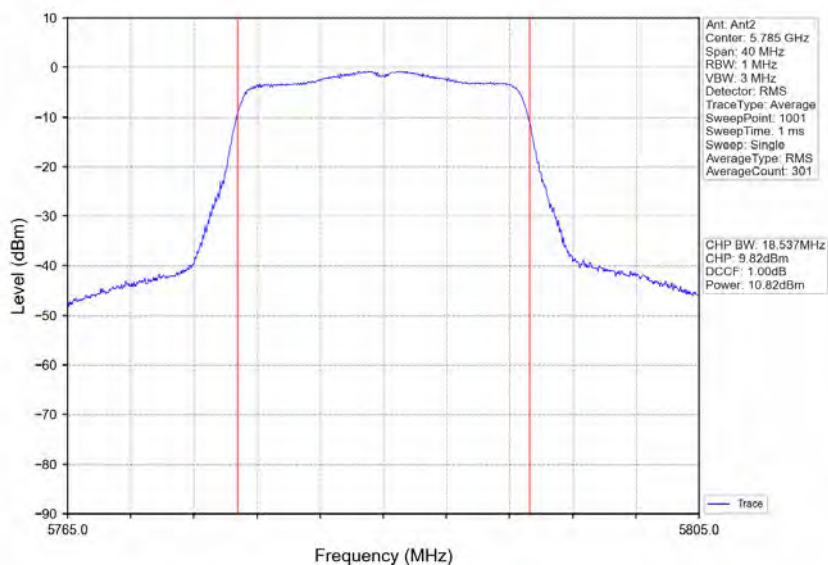
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802.11ac(VHT20) MCH 5785MHz Ant1_NTNV



802.11ac(VHT20) MCH 5785MHz Ant2_NTNV



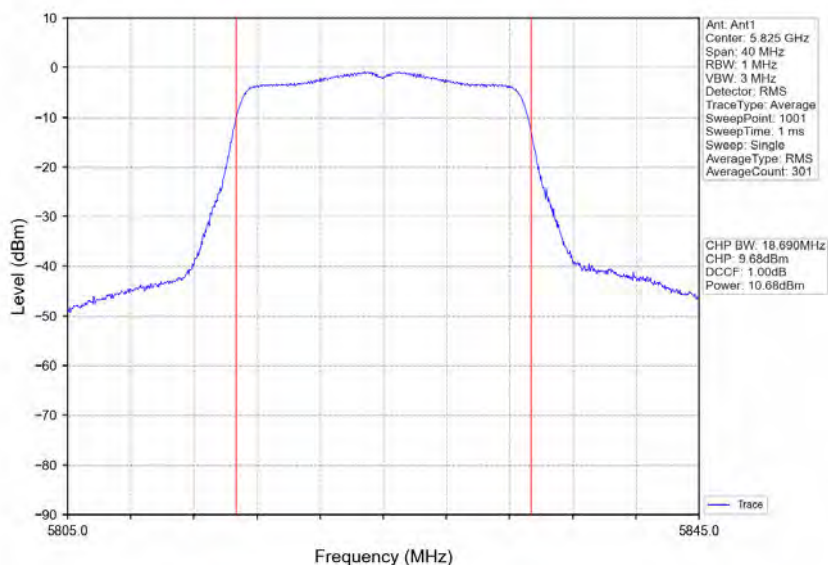
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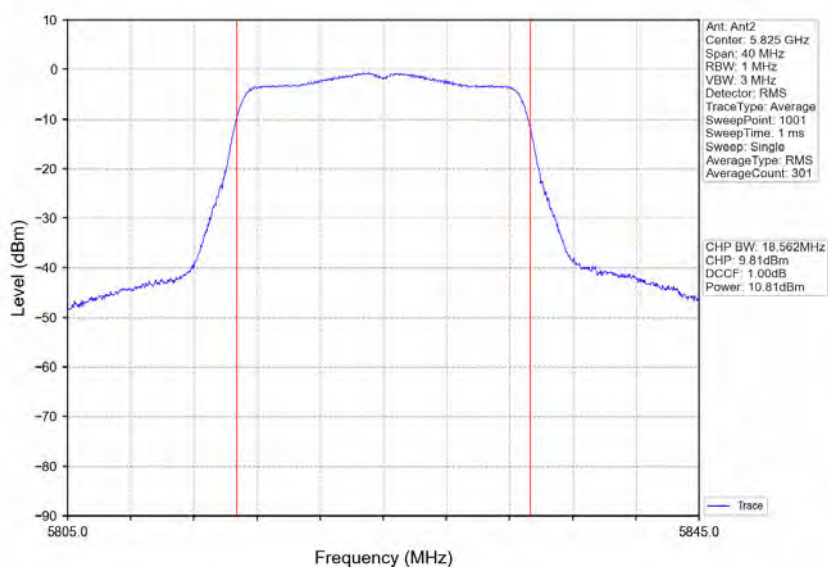
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802.11ac(VHT20) HCH 5825MHz Ant1 NTV



802.11ac(VHT20) HCH 5825MHz Ant2 NTV



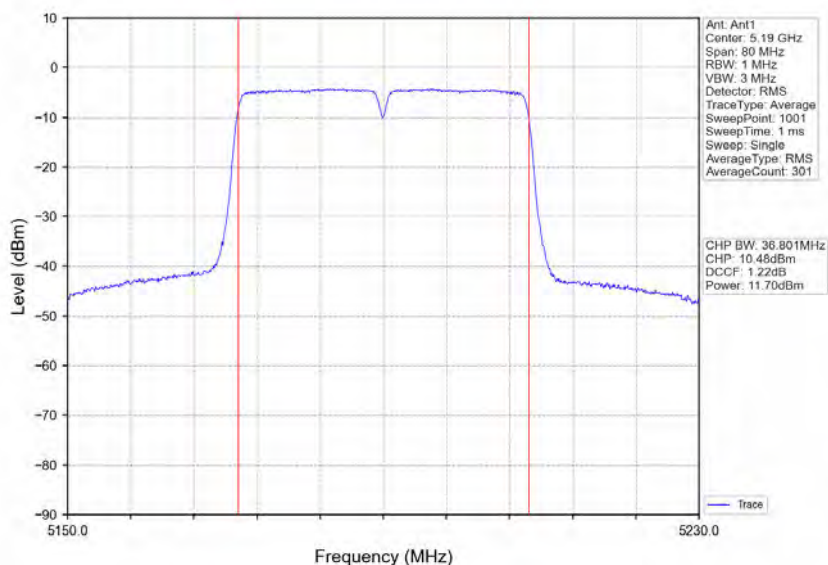
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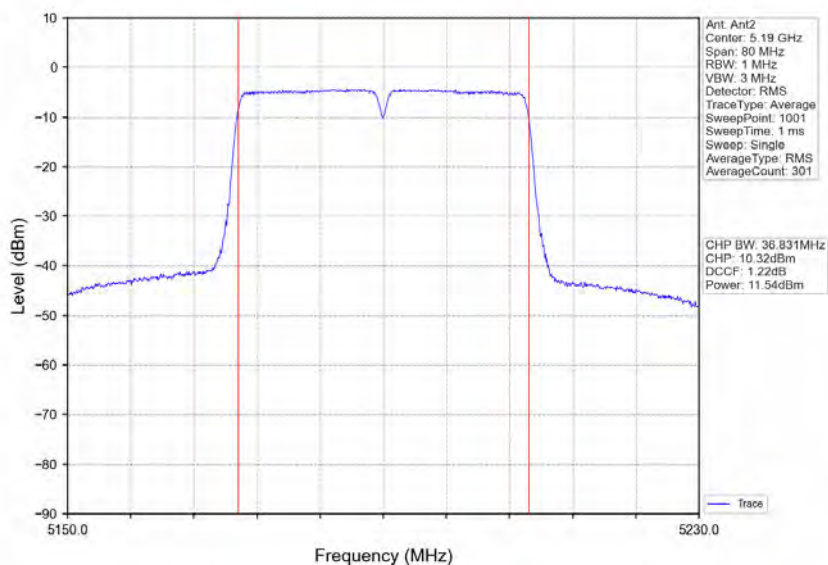
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802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40) LCH_5190MHz_Ant2_NTNV



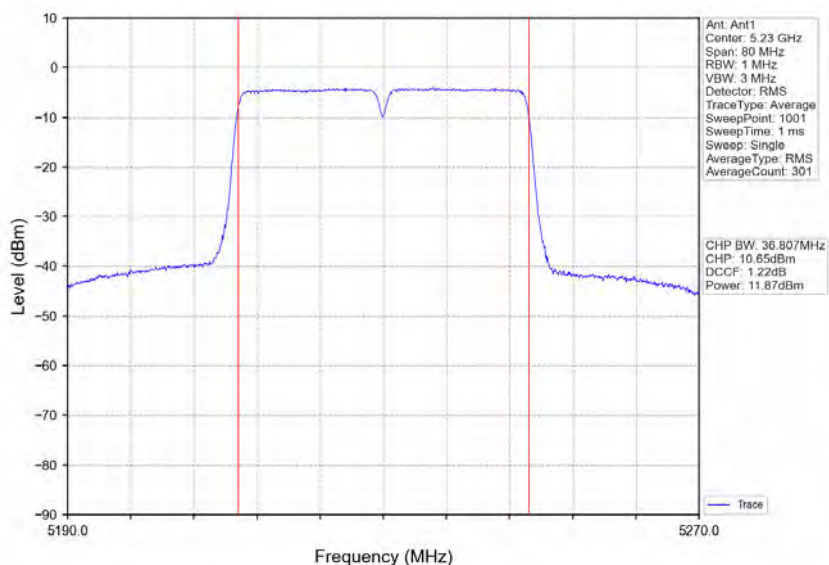
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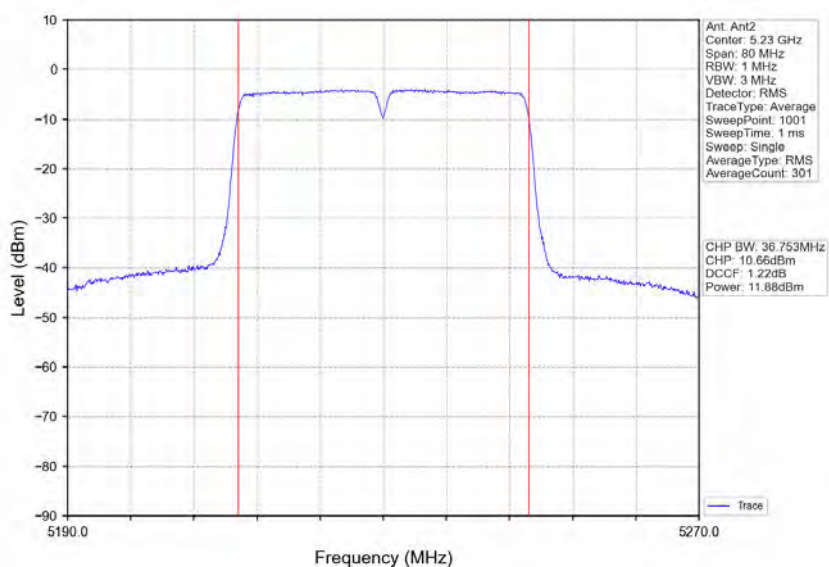
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802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



802.11ac(VHT40) HCH 5230MHz Ant2 NTNV



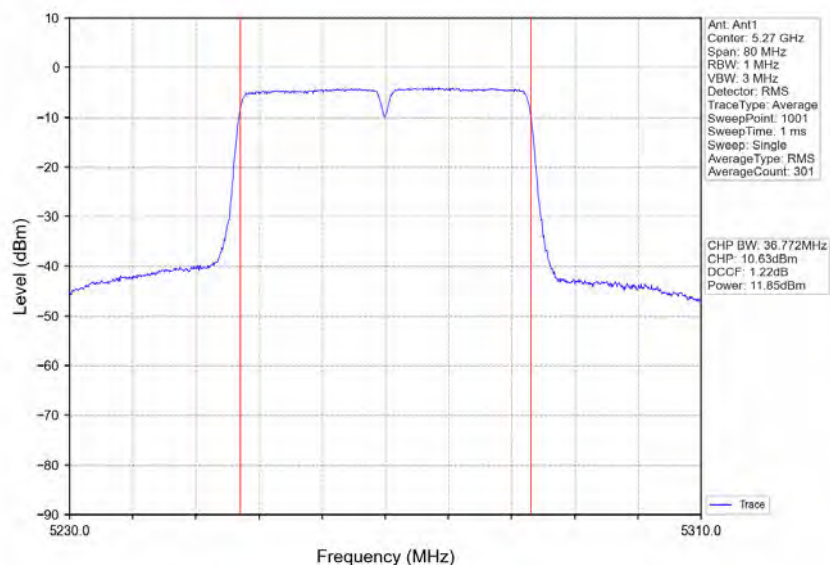
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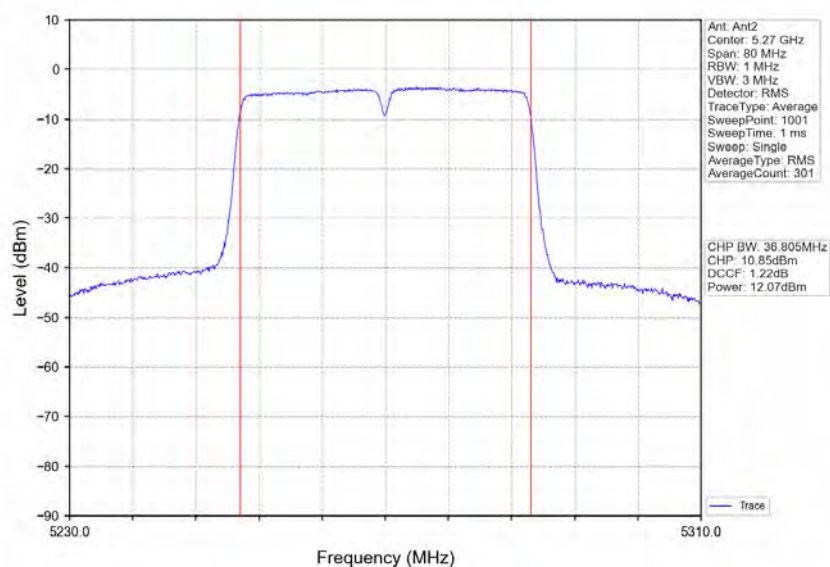
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802.11ac(VHT40) LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40) LCH_5270MHz_Ant2_NTNV



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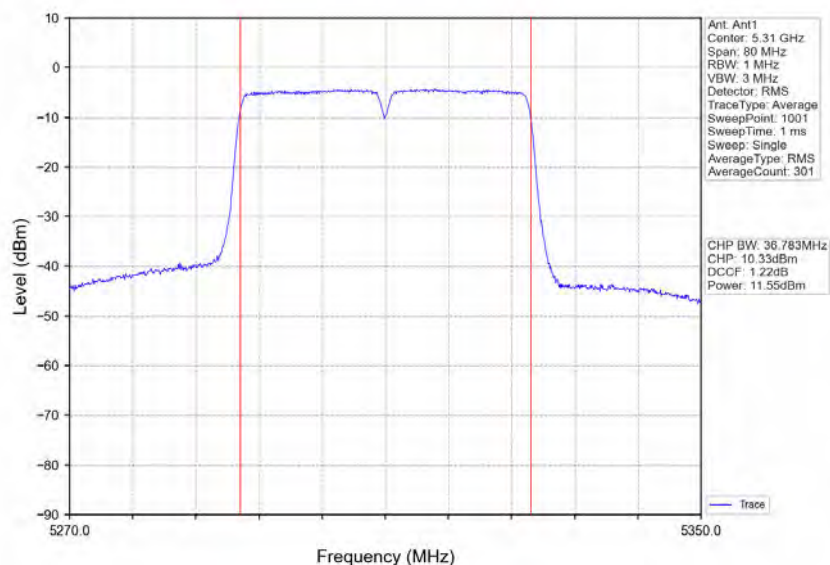
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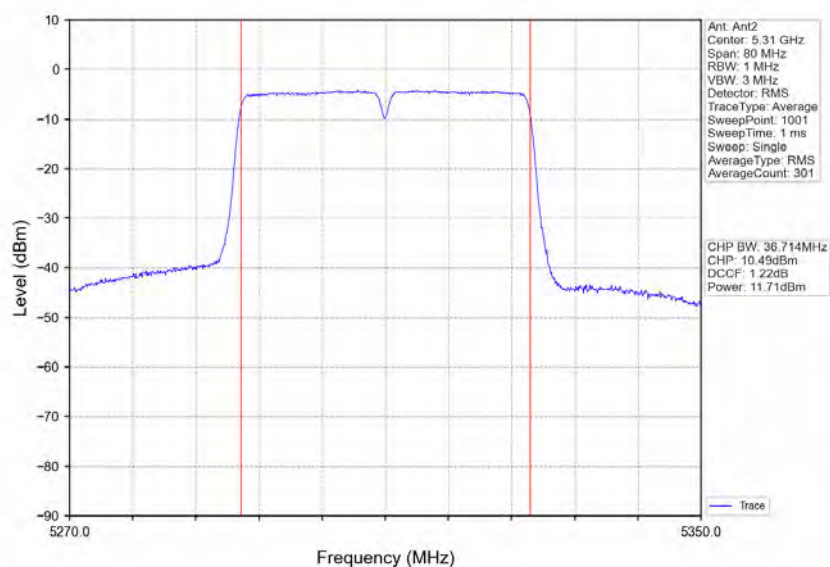
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802.11ac(VHT40) HCH 5310MHz Ant1 NTV



802.11ac(VHT40) HCH 5310MHz Ant2 NTV



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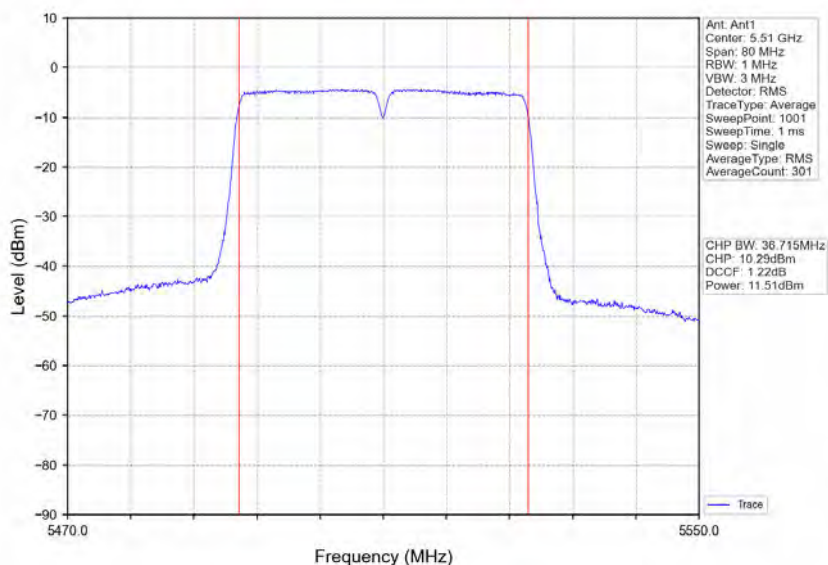
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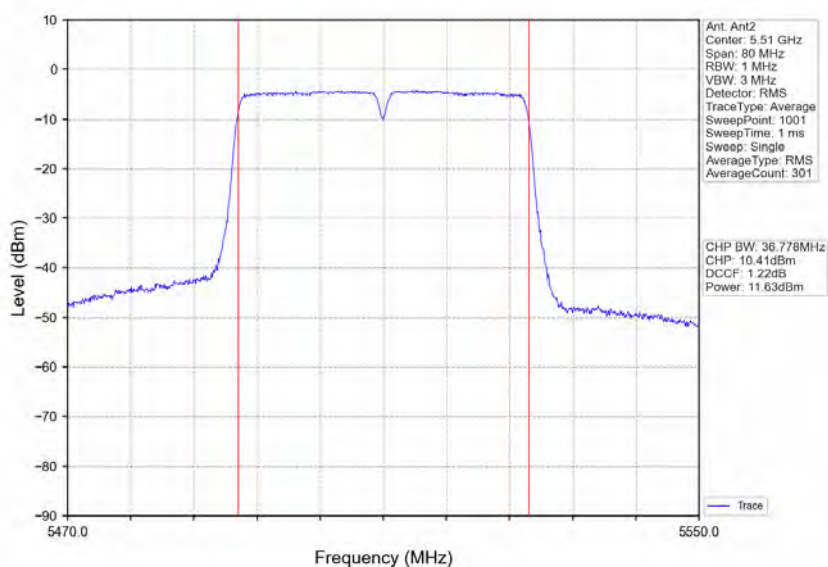
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802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



802.11ac(VHT40) LCH_5510MHz_Ant2_NTNV



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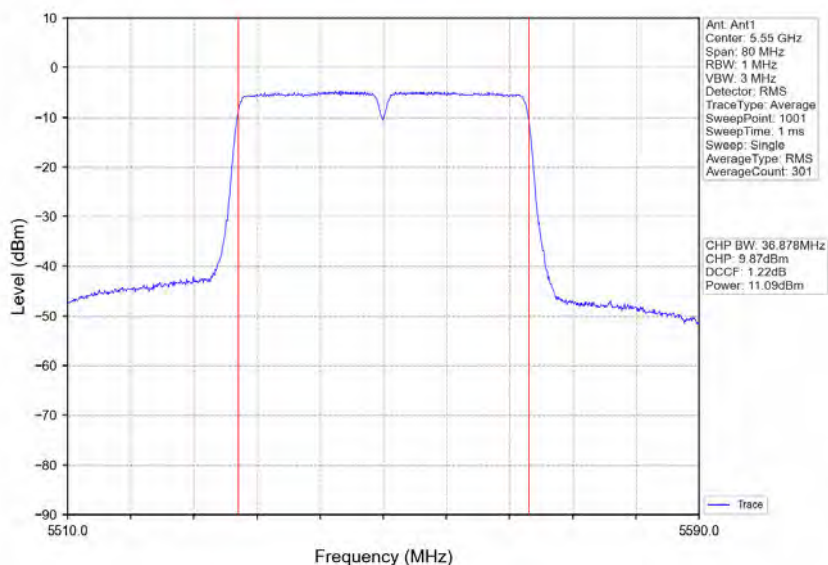
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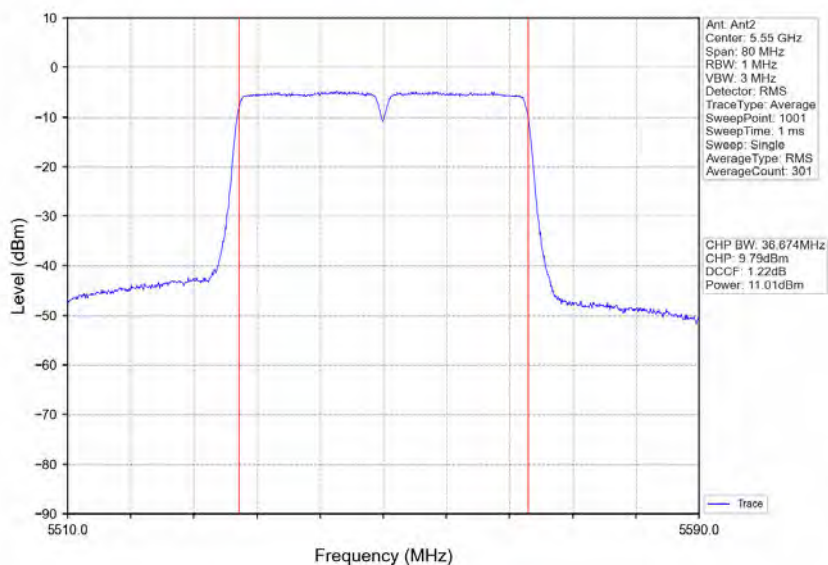
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802.11ac(VHT40) MCH 5550MHz Ant1_NTNV



802.11ac(VHT40) MCH 5550MHz Ant2_NTNV



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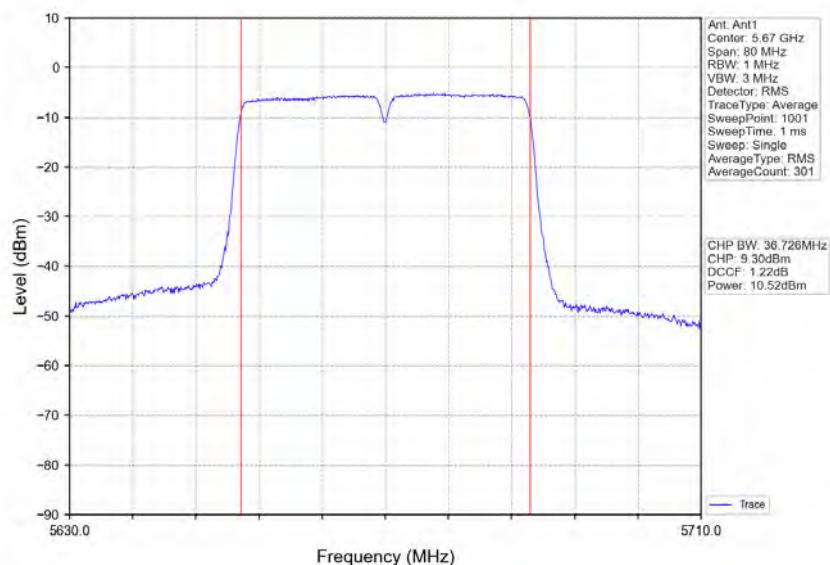
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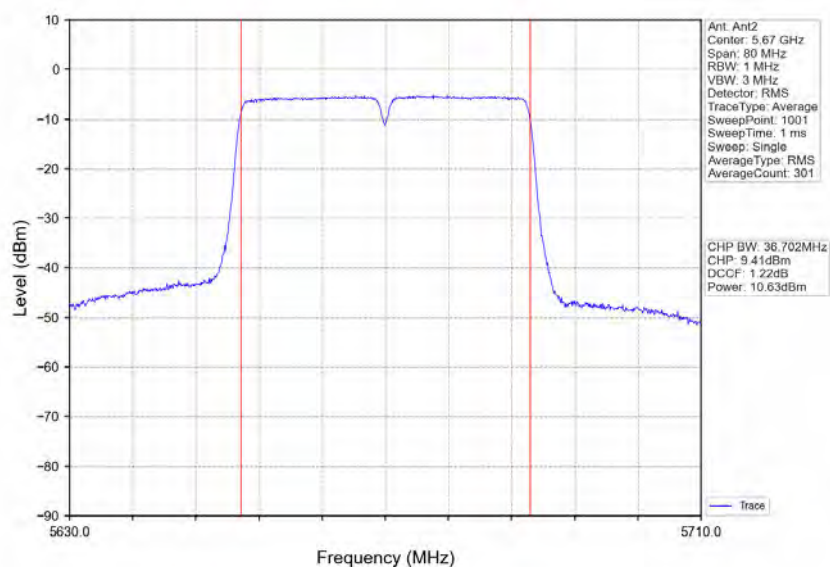
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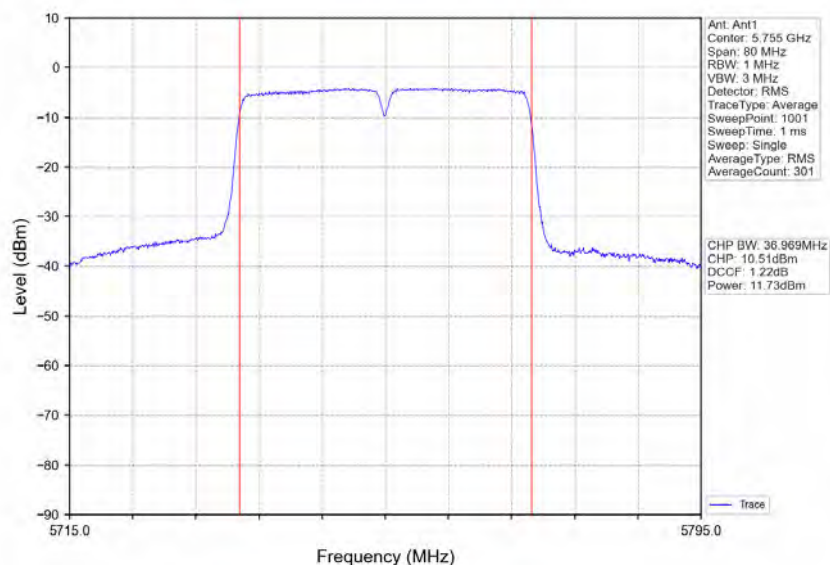
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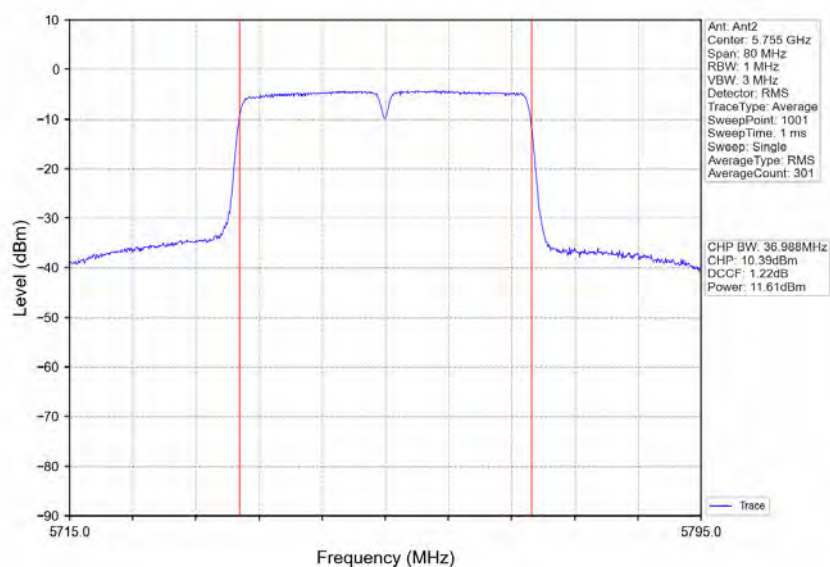
802.11ac(VHT40) HCH 5670MHz Ant2 NTV



802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40) LCH_5755MHz_Ant2_NTNV



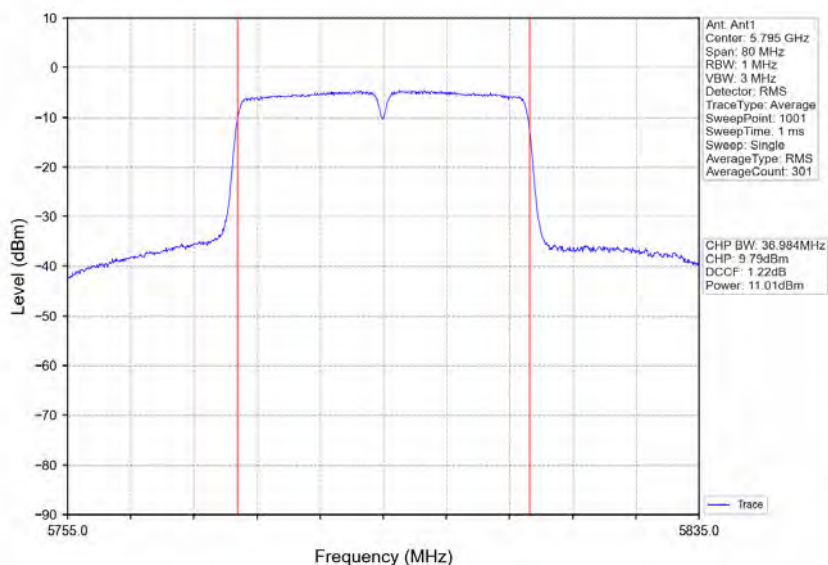
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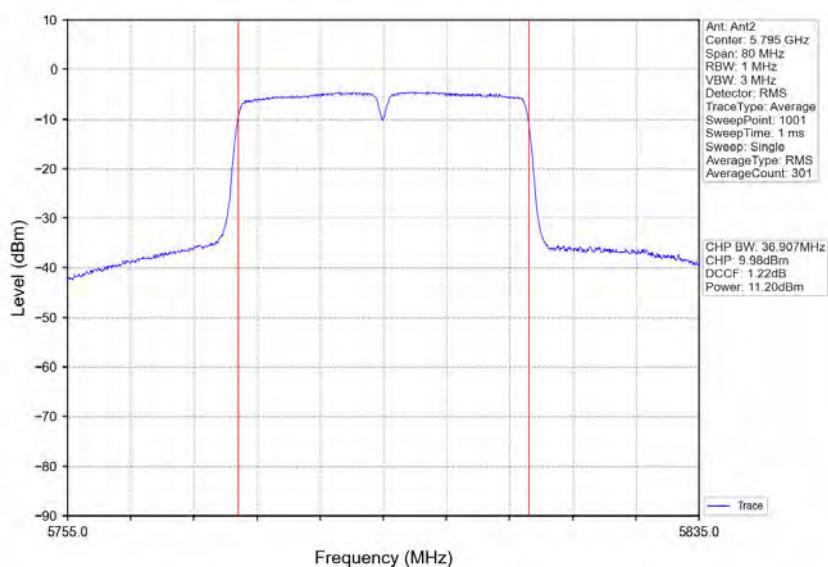
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802.11ac(VHT40) HCH 5795MHz Ant1 NTV



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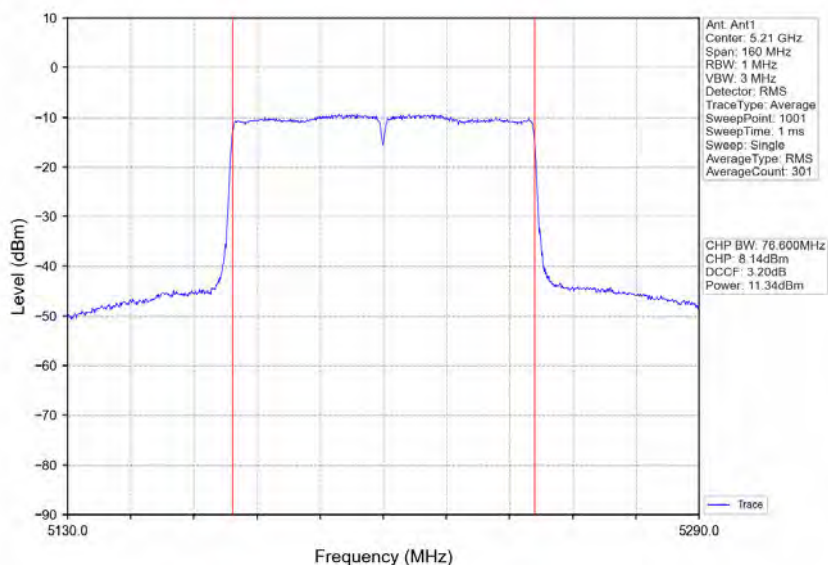
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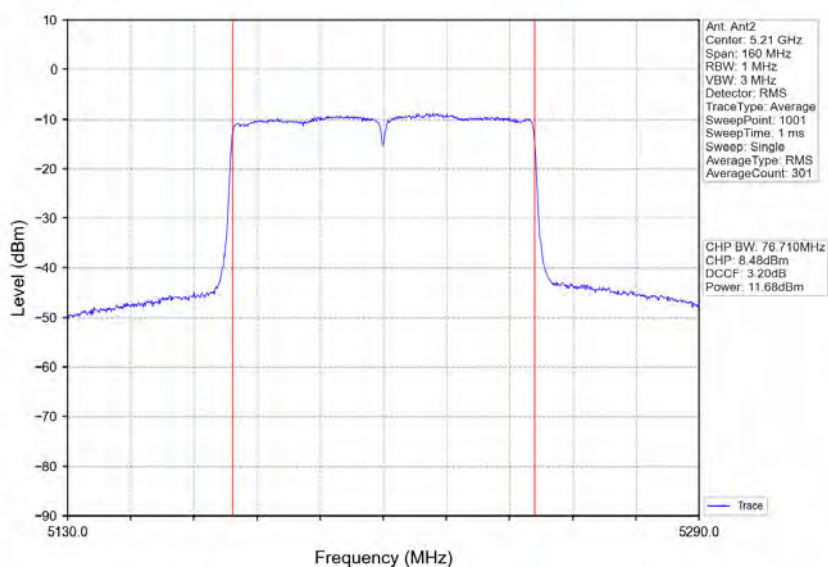
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802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



802.11ac(VHT80) MCH 5210MHz Ant2_NTNV



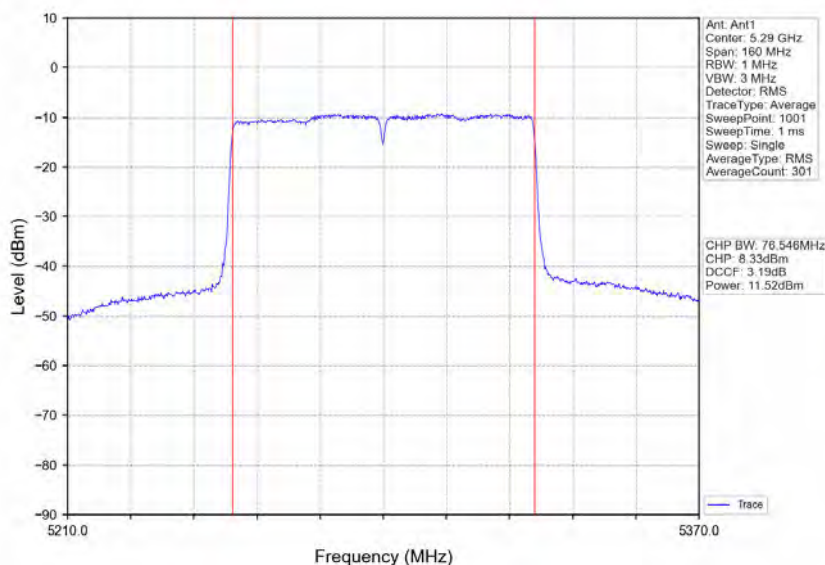
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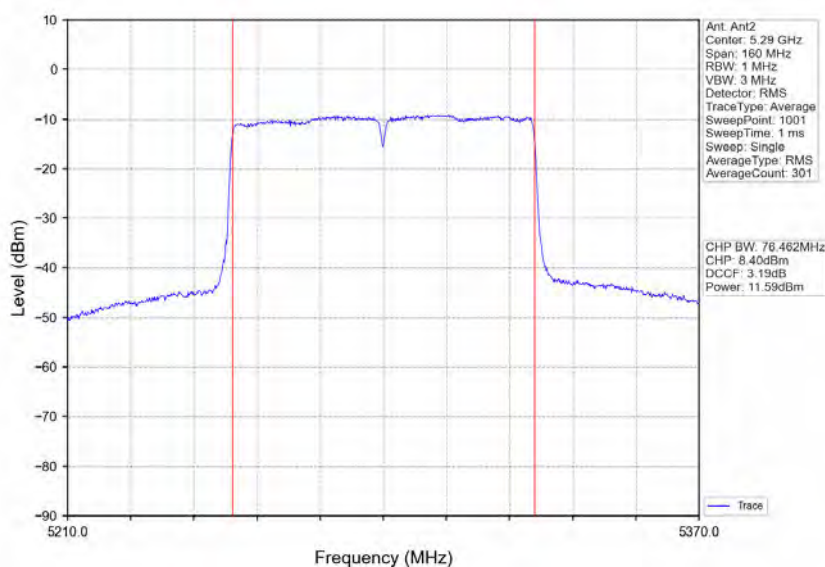
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802.11ac(VHT80) MCH 5290MHz Ant1_NTNV



802.11ac(VHT80) MCH 5290MHz Ant2_NTNV



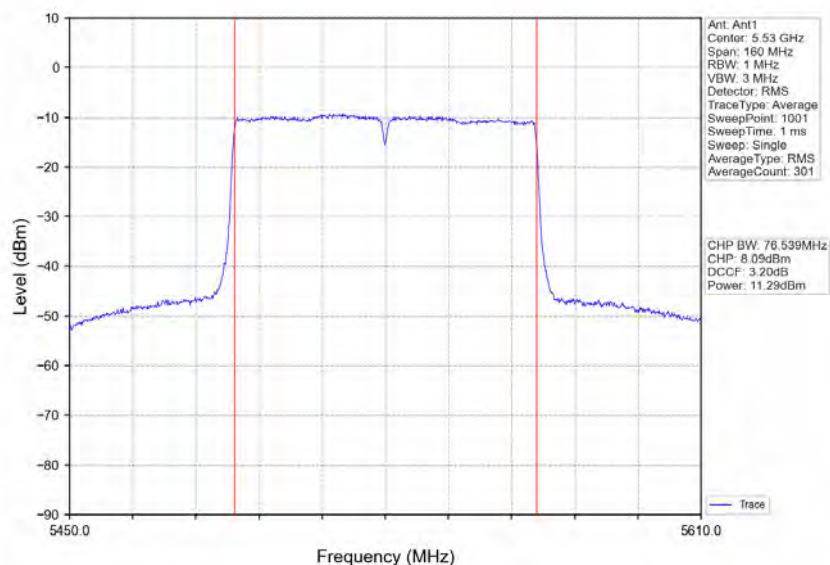
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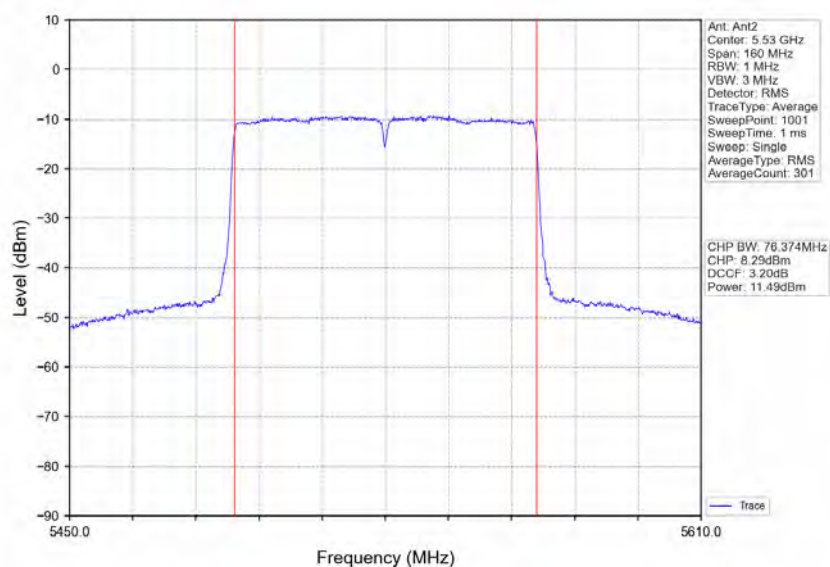
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802.11ac(VHT80) LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80) LCH_5530MHz_Ant2_NTNV



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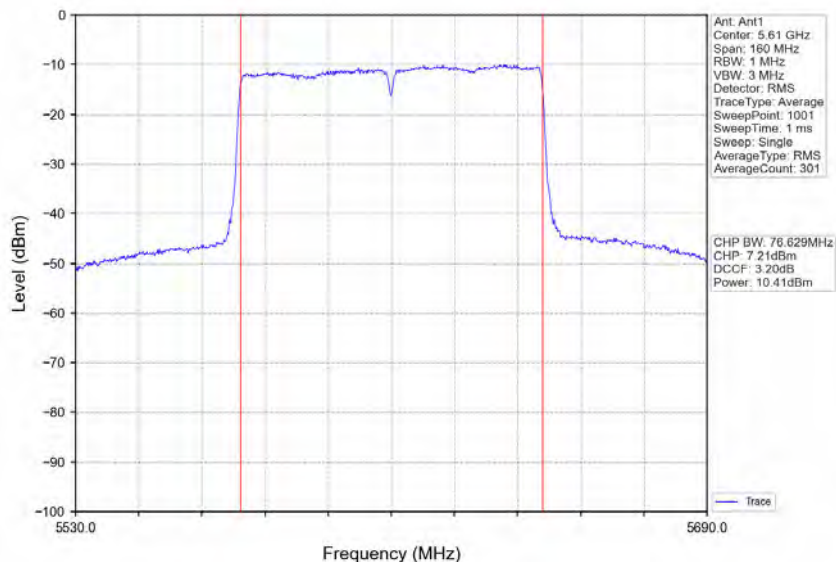
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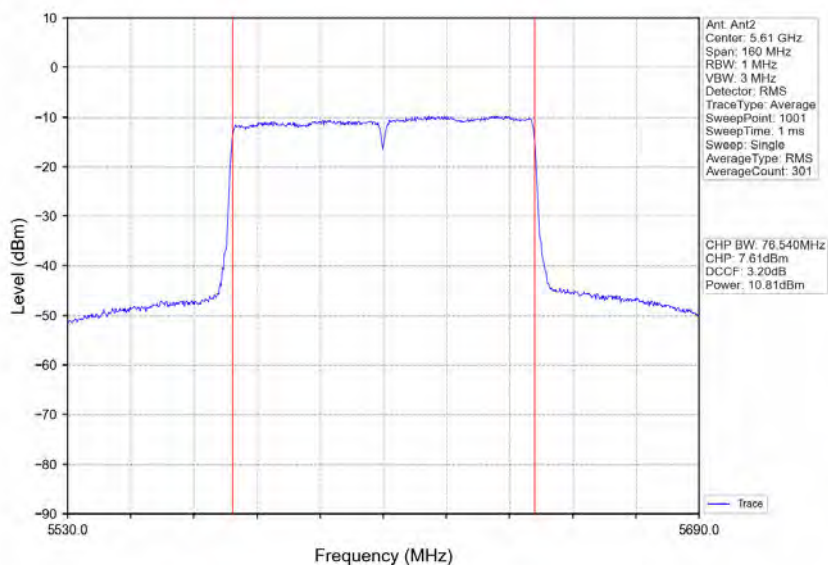
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802.11ac(VHT80) HCH 5610MHz Ant1 NTN



802.11ac(VHT80) HCH 5610MHz Ant2 NTN



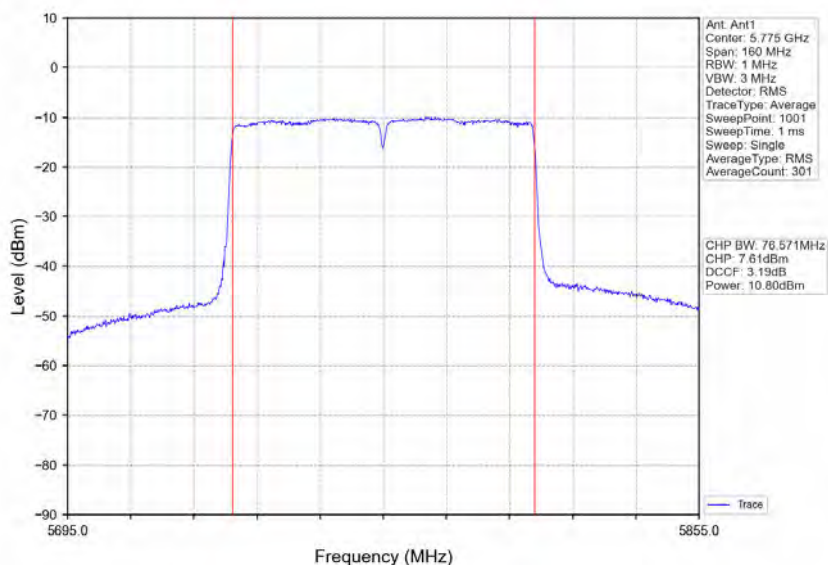
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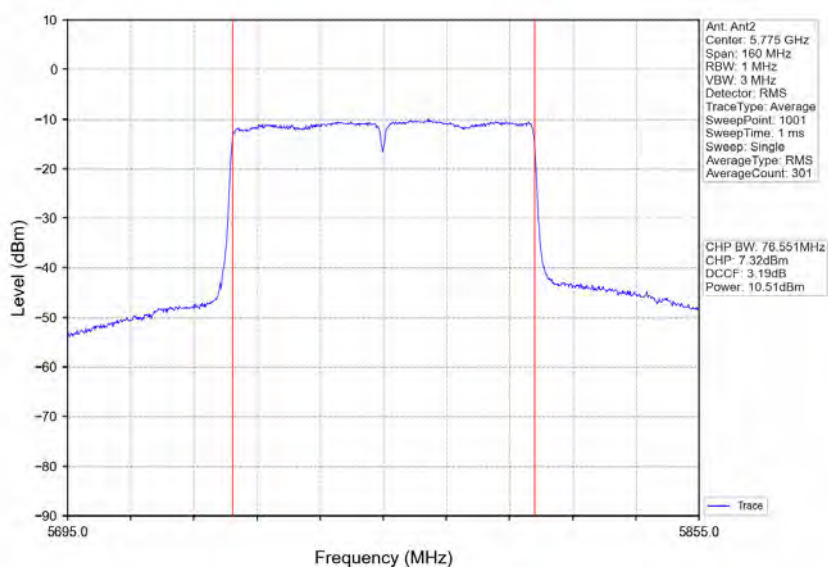
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802.11ac(VHT80) MCH 5775MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant2 NTN



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result For FCC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	3.55	4.01	/	<=11	Pass
		5200	3.77	4.20	/	<=11	Pass
		5240	3.83	4.15	/	<=11	Pass
		5260	3.98	4.29	/	<=11	Pass
		5300	4.37	3.96	/	<=11	Pass
		5320	3.90	3.48	/	<=11	Pass
		5500	4.39	3.38	/	<=11	Pass
		5580	3.35	2.83	/	<=11	Pass
802.11n (HT20)	MIMO	5700	3.02	2.94	/	<=11	Pass
		5180	0.43	0.44	3.37	<=11	Pass
		5200	0.66	0.82	3.71	<=11	Pass
		5240	0.88	0.70	3.68	<=11	Pass
		5260	0.49	0.89	3.69	<=11	Pass
		5300	1.03	0.68	3.82	<=11	Pass
		5320	0.59	0.62	3.51	<=11	Pass
		5500	0.92	0.95	3.88	<=11	Pass
802.11n (HT40)	MIMO	5580	1.02	1.00	3.93	<=11	Pass
		5700	0.32	0.25	3.21	<=11	Pass
		5190	-2.55	-2.53	0.30	<=11	Pass
		5230	-2.59	-2.73	0.10	<=11	Pass
		5270	-2.68	-2.79	0.08	<=11	Pass
		5310	-3.14	-2.97	-0.44	<=11	Pass
		5510	-2.91	-2.30	0.16	<=11	Pass
		5550	-3.45	-2.35	-0.02	<=11	Pass
802.11ac (VHT20)	MIMO	5670	-4.02	-2.60	-0.50	<=11	Pass
		5180	0.85	0.55	3.63	<=11	Pass
		5200	0.72	0.78	3.74	<=11	Pass
		5240	1.19	1.30	4.16	<=11	Pass
		5260	0.34	0.64	3.43	<=11	Pass
		5300	0.68	0.58	3.50	<=11	Pass
		5320	0.36	0.23	3.25	<=11	Pass
		5500	0.89	0.94	3.85	<=11	Pass
802.11ac (VHT40)	MIMO	5580	1.34	1.39	4.33	<=11	Pass
		5700	1.05	0.96	3.99	<=11	Pass
		5190	-2.90	-3.00	-0.02	<=11	Pass
		5230	-2.62	-2.84	0.23	<=11	Pass
		5270	-3.21	-2.43	0.08	<=11	Pass
		5310	-3.10	-2.89	-0.01	<=11	Pass
		5510	-3.11	-3.07	-0.21	<=11	Pass
		5550	-3.65	-3.72	-0.76	<=11	Pass
802.11ac (VHT80)	MIMO	5670	-3.68	-3.95	-0.93	<=11	Pass
		5210	-5.87	-5.80	-2.97	<=11	Pass
		5290	-5.57	-5.52	-2.65	<=11	Pass
802.11ac (VHT80)	MIMO	5530	-5.49	-5.90	-2.68	<=11	Pass



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		5610	-6.36	-6.66	-3.63	<=11	Pass
Note1: Antenna Gain: Ant1: 3.48dBi; Ant2: 2.39dBi; Note2: Directional Gain: 5.96dBi							

4.1.2 Test Result For IC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5260	3.98	4.29	/	<=11	Pass
		5300	4.37	3.96	/	<=11	Pass
		5320	3.90	3.48	/	<=11	Pass
		5500	4.39	3.38	/	<=11	Pass
		5580	3.35	2.83	/	<=11	Pass
		5700	3.02	2.94	/	<=11	Pass
802.11n (HT20)	MIMO	5260	0.49	0.89	3.69	<=11	Pass
		5300	1.03	0.68	3.82	<=11	Pass
		5320	0.59	0.62	3.51	<=11	Pass
		5500	0.92	0.95	3.88	<=11	Pass
		5580	1.02	1.00	3.93	<=11	Pass
		5700	0.32	0.25	3.21	<=11	Pass
802.11n (HT40)	MIMO	5270	-2.68	-2.79	0.08	<=11	Pass
		5310	-3.14	-2.97	-0.44	<=11	Pass
		5510	-2.91	-2.30	0.16	<=11	Pass
		5550	-3.45	-2.35	-0.02	<=11	Pass
		5670	-4.02	-2.60	-0.50	<=11	Pass
802.11ac (VHT20)	MIMO	5260	0.34	0.64	3.43	<=11	Pass
		5300	0.68	0.58	3.50	<=11	Pass
		5320	0.36	0.23	3.25	<=11	Pass
		5500	0.89	0.94	3.85	<=11	Pass
		5580	1.34	1.39	4.33	<=11	Pass
		5700	1.05	0.96	3.99	<=11	Pass
802.11ac (VHT40)	MIMO	5270	-3.21	-2.43	0.08	<=11	Pass
		5310	-3.10	-2.89	-0.01	<=11	Pass
		5510	-3.11	-3.07	-0.21	<=11	Pass
		5550	-3.65	-3.72	-0.76	<=11	Pass
		5670	-3.68	-3.95	-0.93	<=11	Pass
802.11ac (VHT80)	MIMO	5290	-5.57	-5.52	-2.65	<=11	Pass
		5530	-5.49	-5.90	-2.68	<=11	Pass
		5610	-6.36	-6.66	-3.63	<=11	Pass
Note1: Antenna Gain: Ant1: 3.48dBi; Ant2: 2.39dBi; Note2: Directional Gain: 5.96dBi							



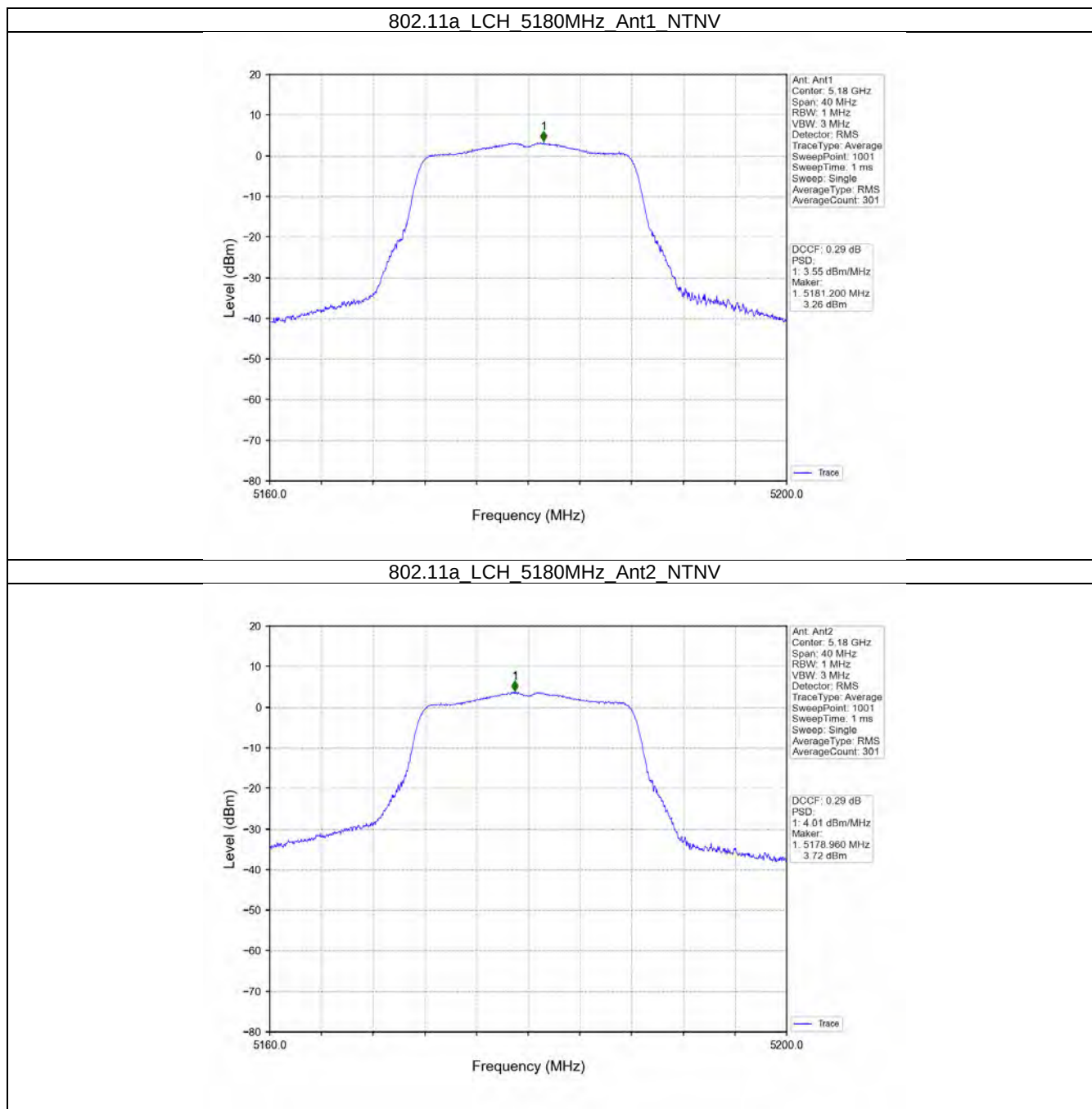
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4.1.3 Test Graph



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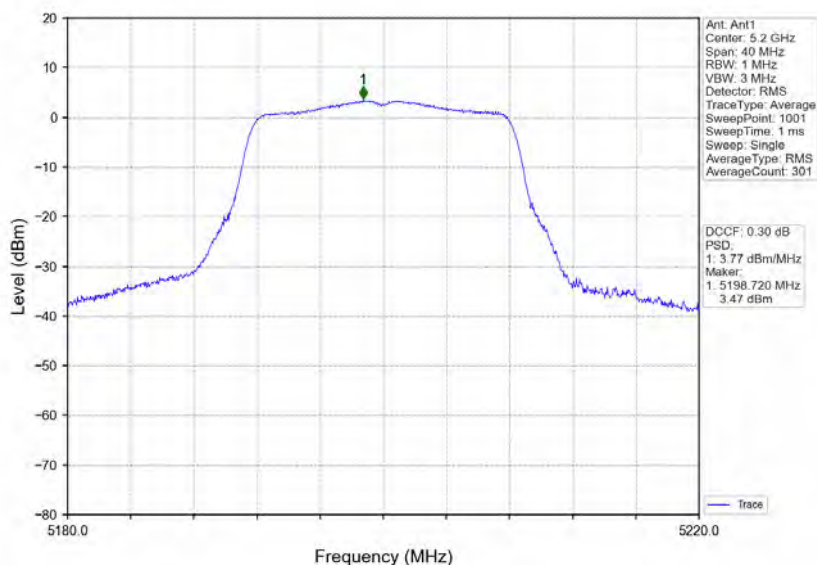
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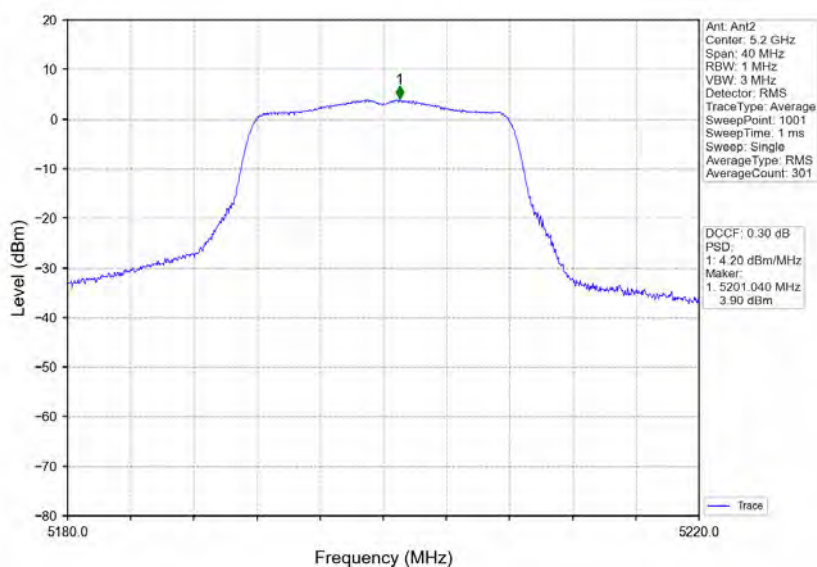
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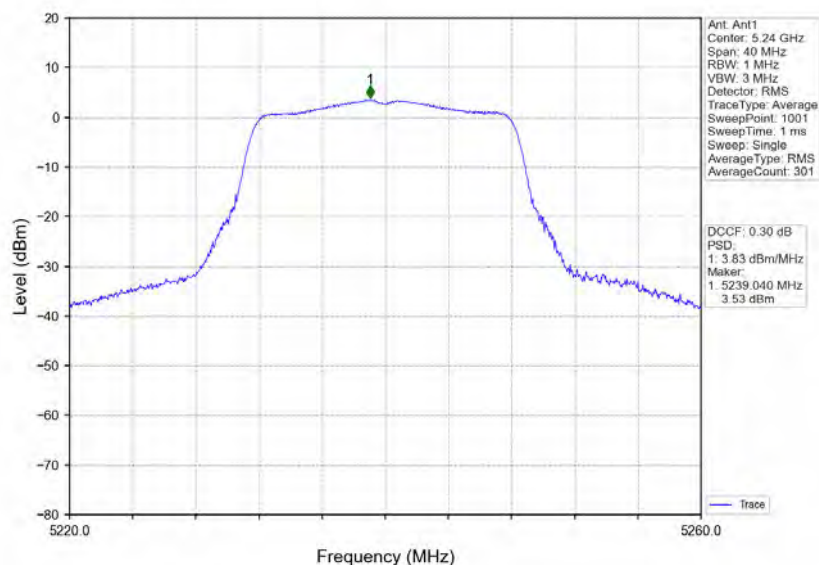
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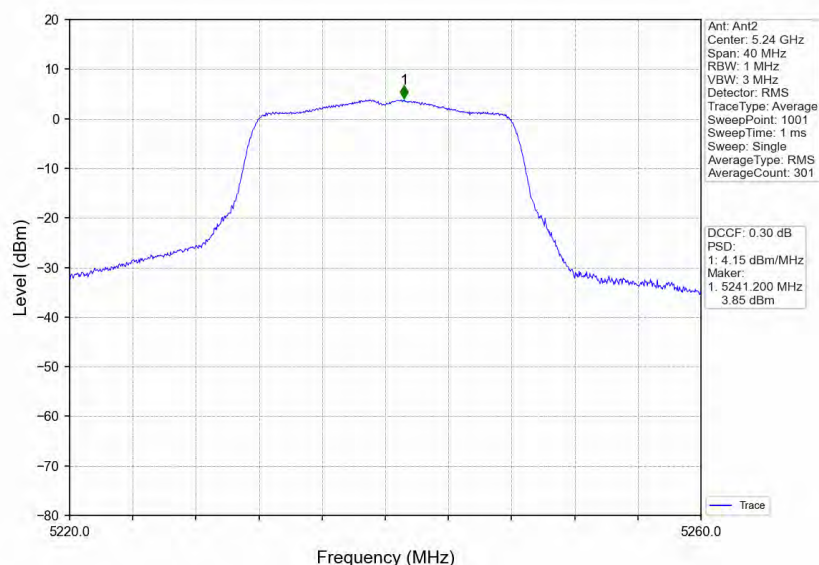
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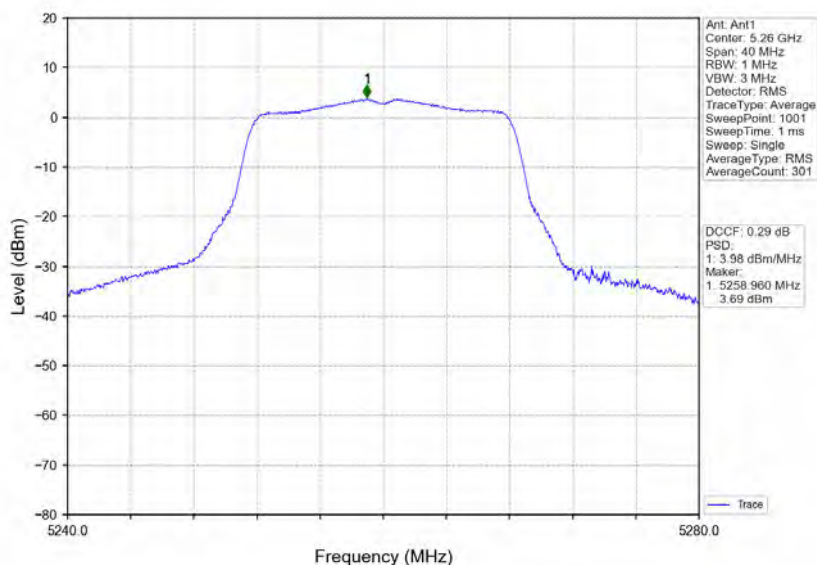
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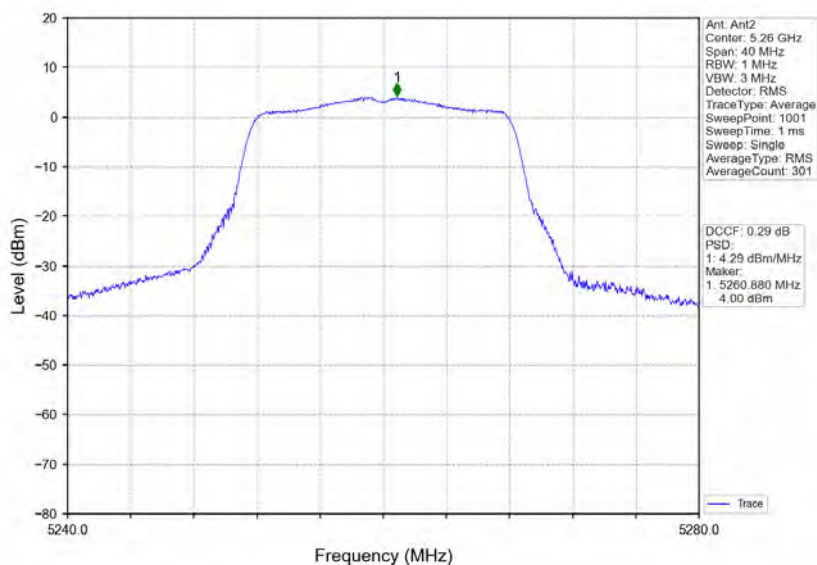
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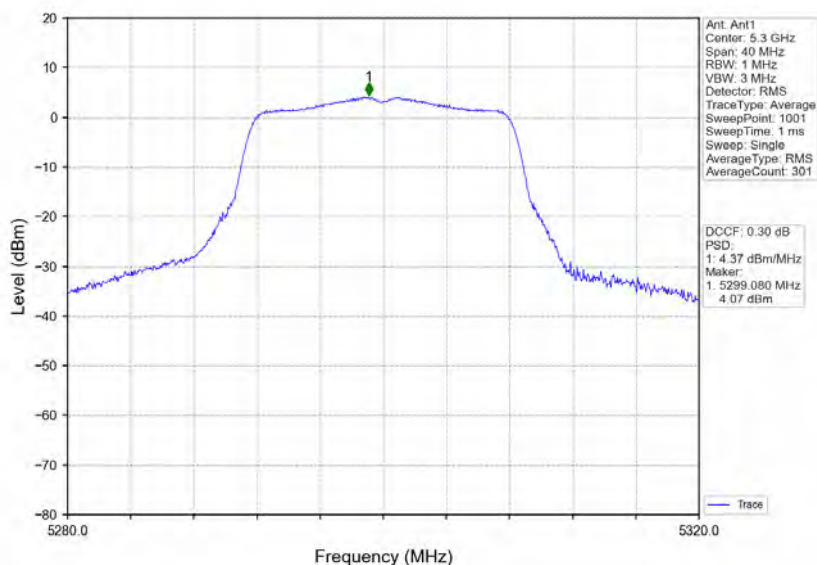
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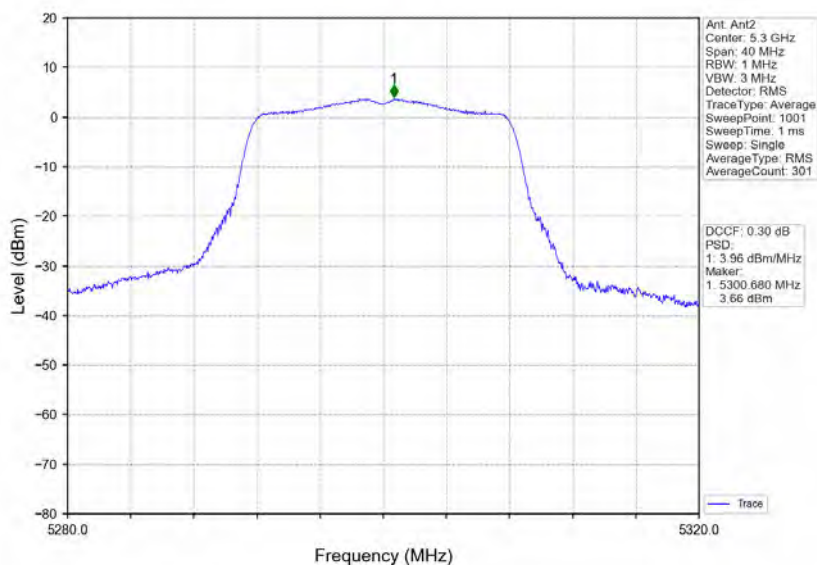
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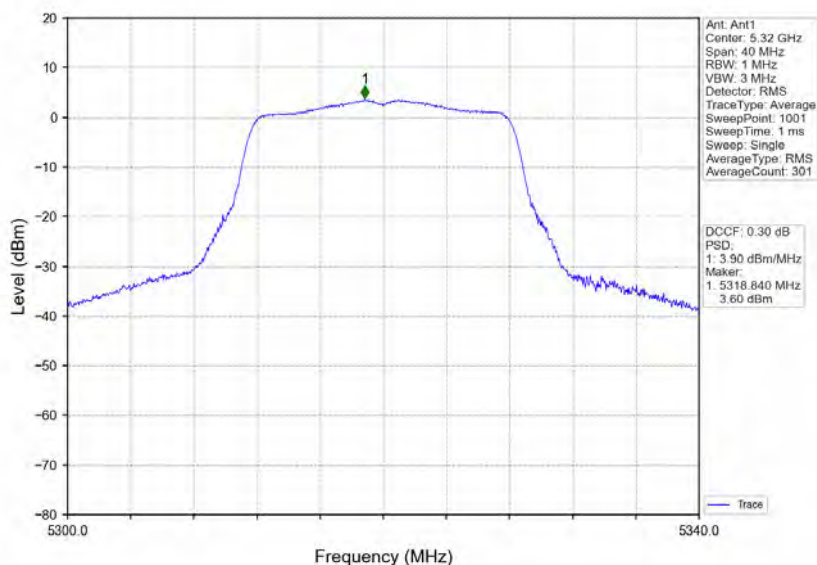
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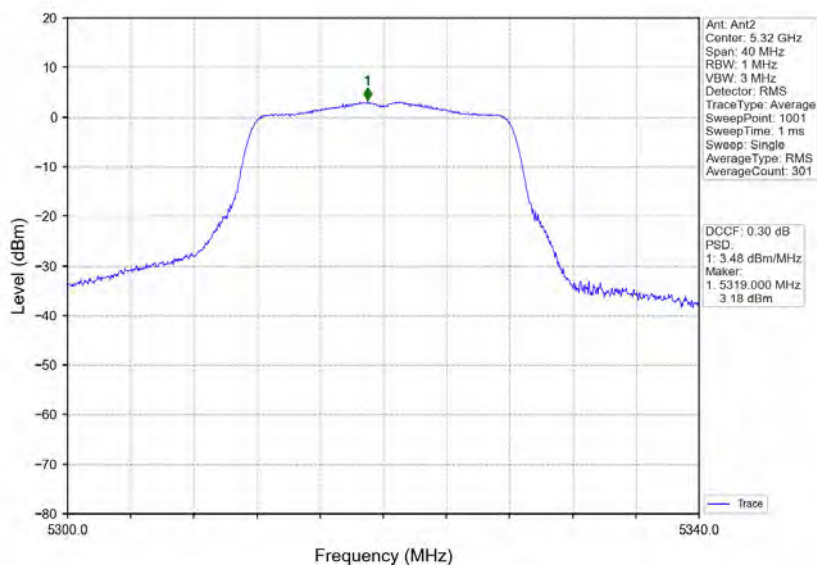
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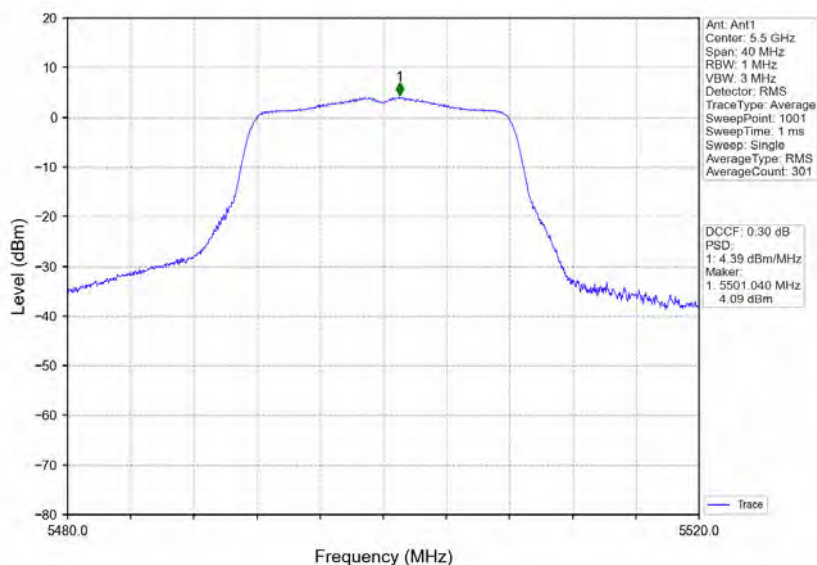
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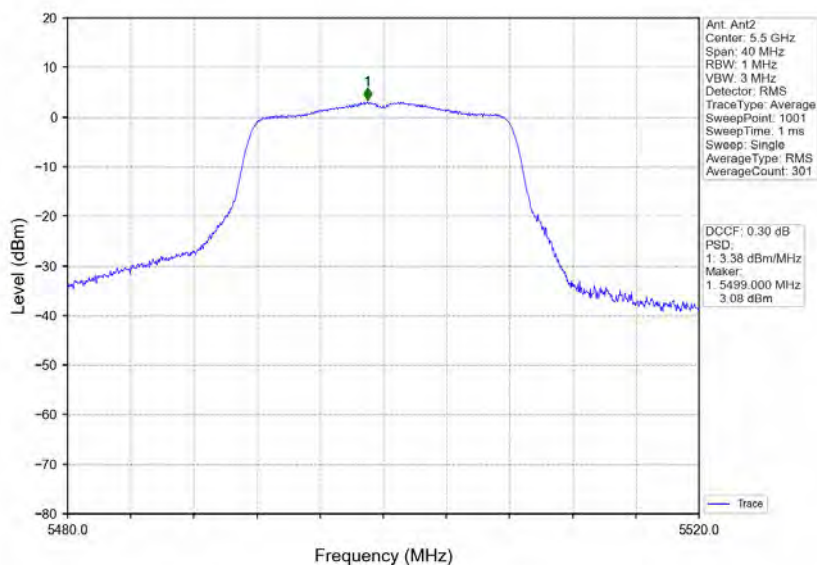
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802.11a_LCH_5500MHz_Ant2_NTNV



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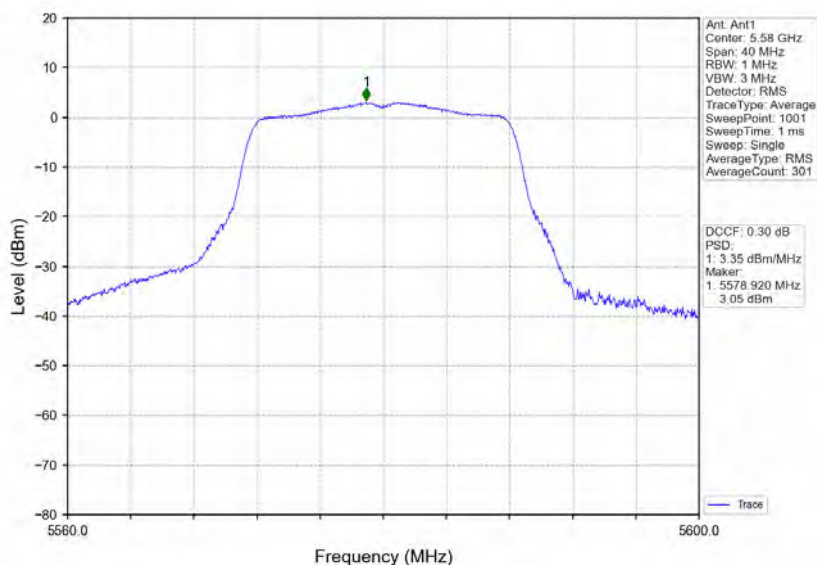
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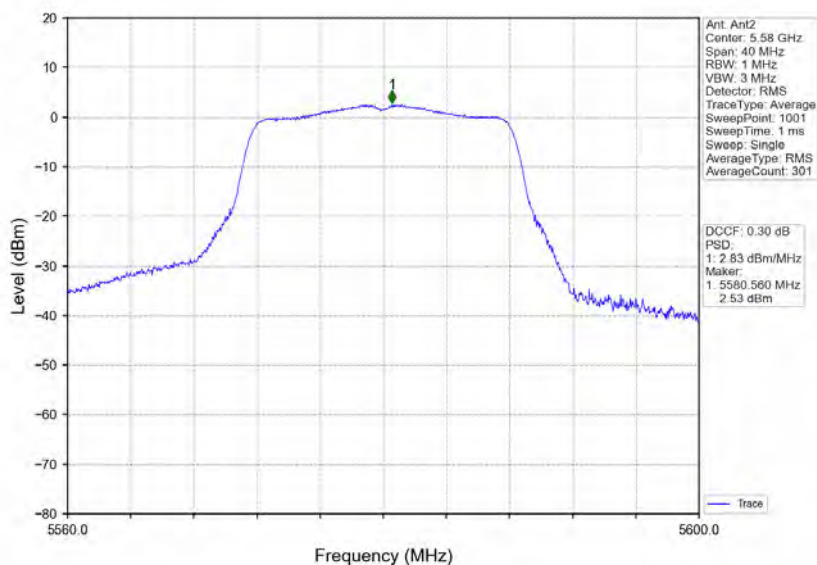
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802.11a_MCH_5580MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant2_NTNV



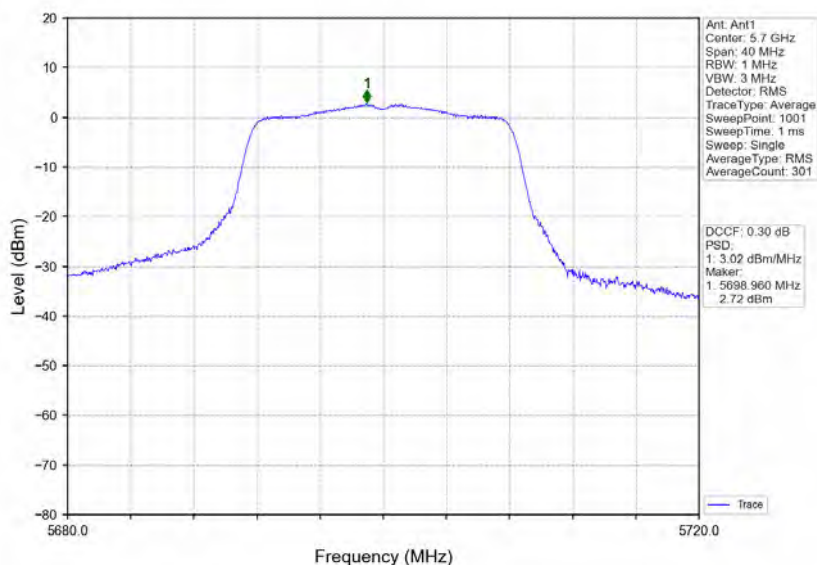
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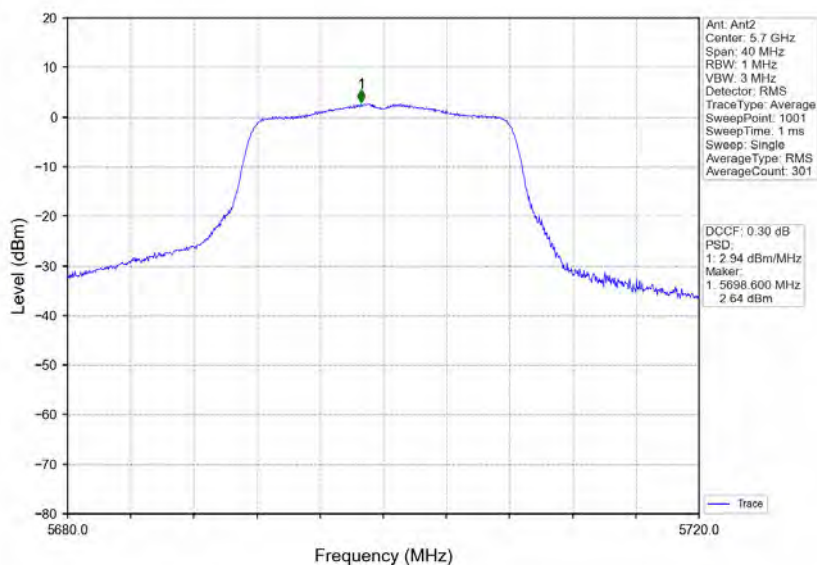
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



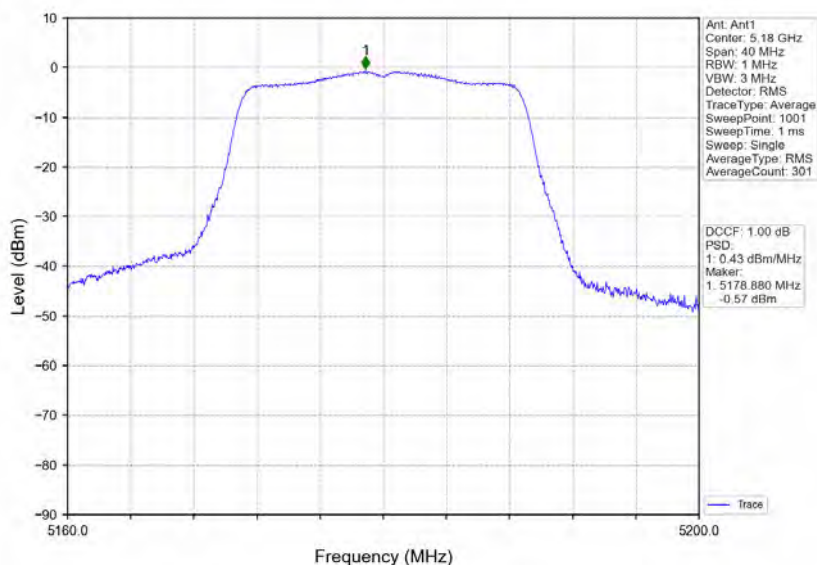
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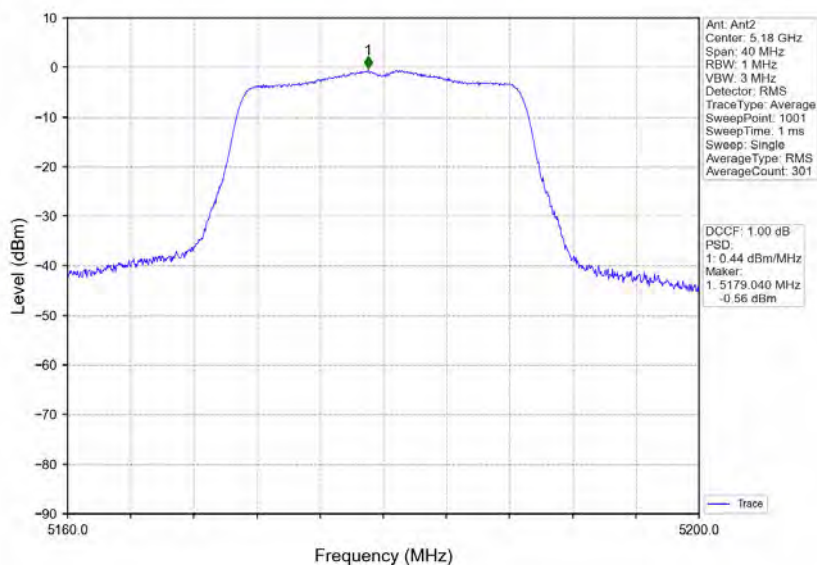
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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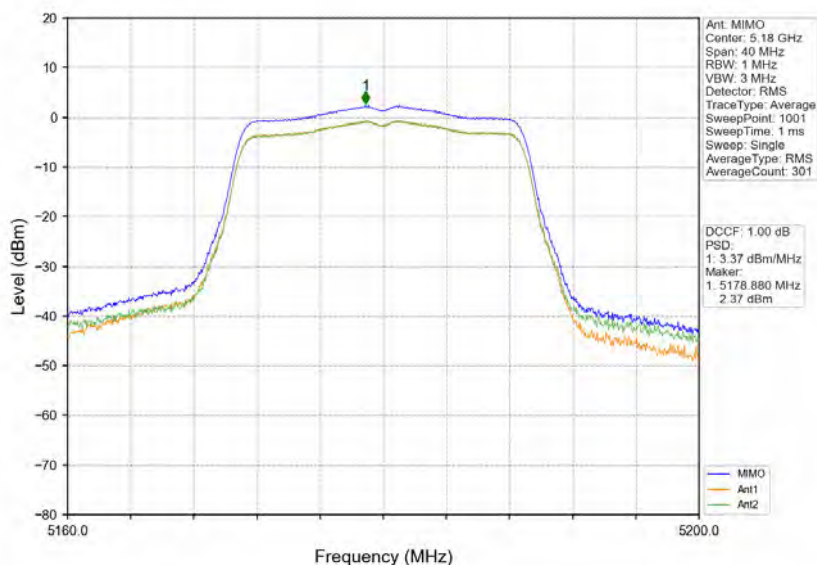
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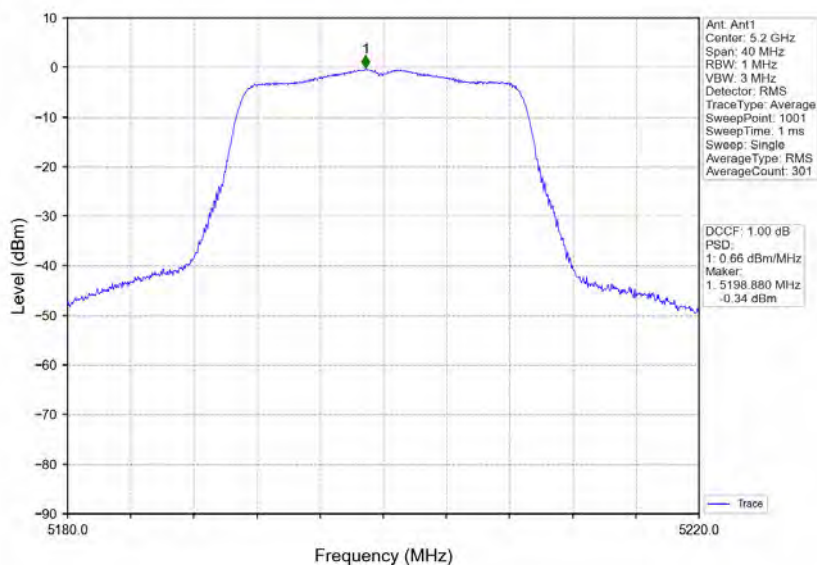
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802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



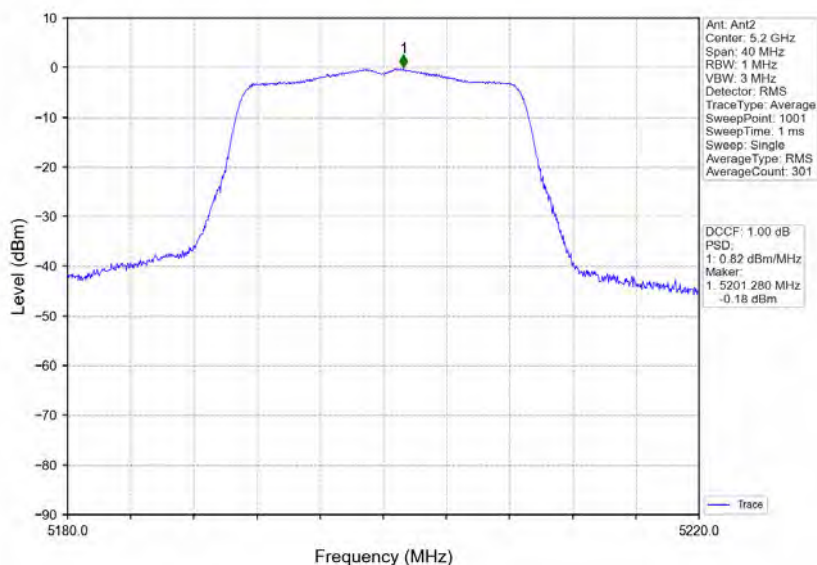
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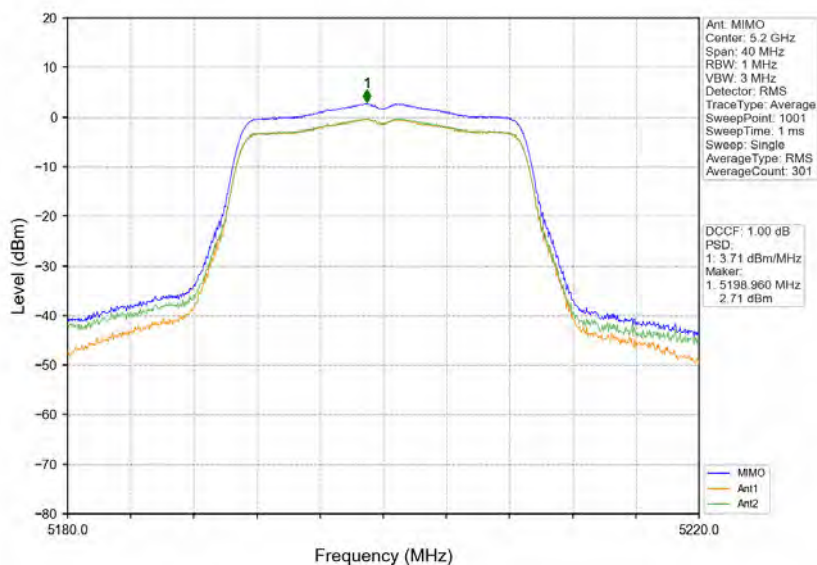
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



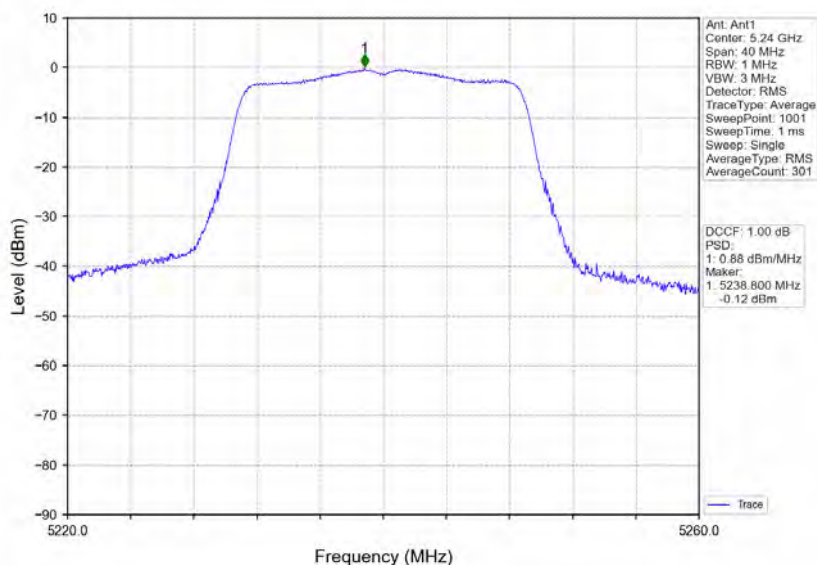
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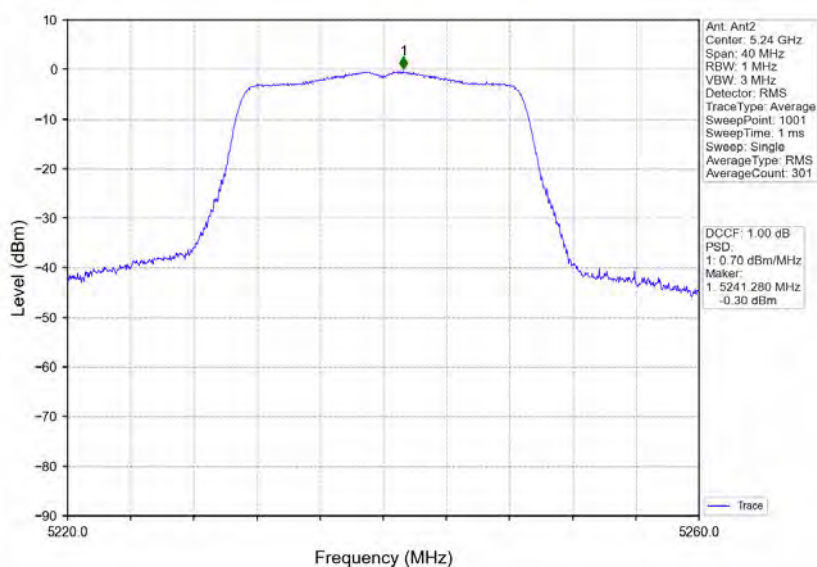
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802.11n(HT20) HCH 5240MHz_Ant1_NTNV



802.11n(HT20) HCH 5240MHz_Ant2_NTNV



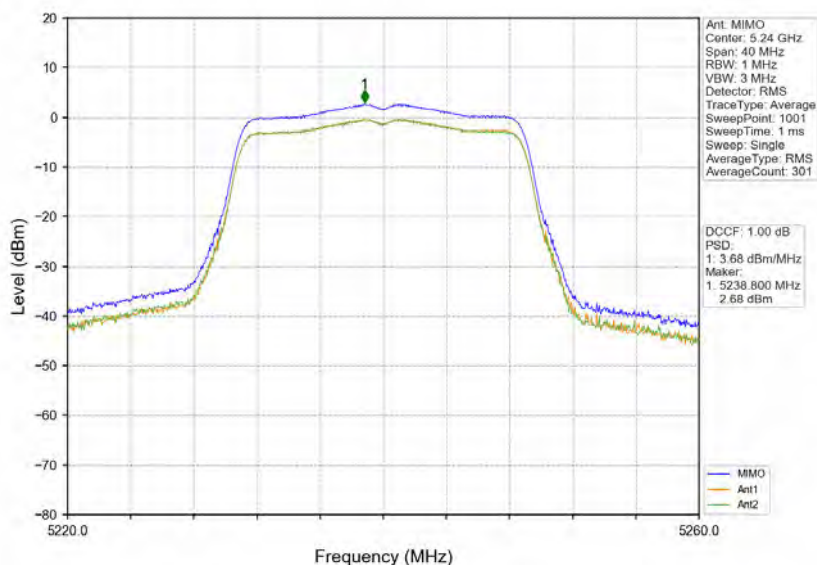
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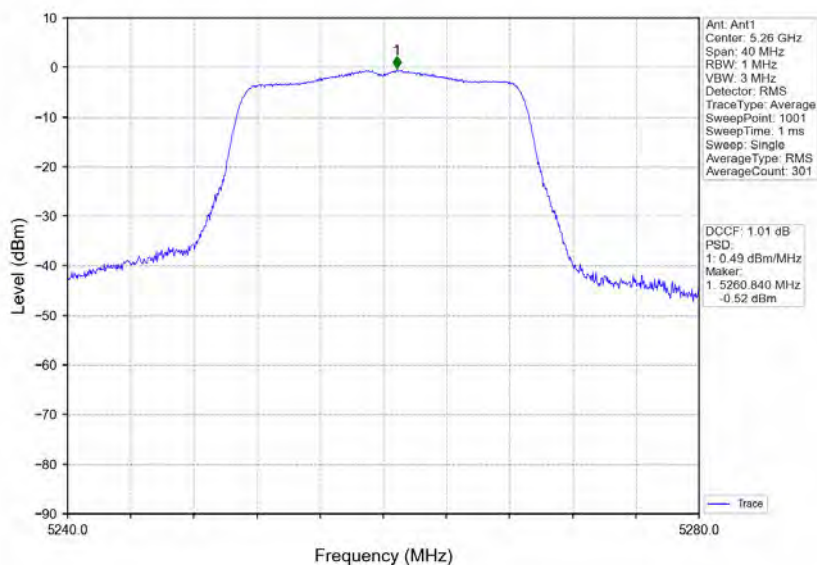
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802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



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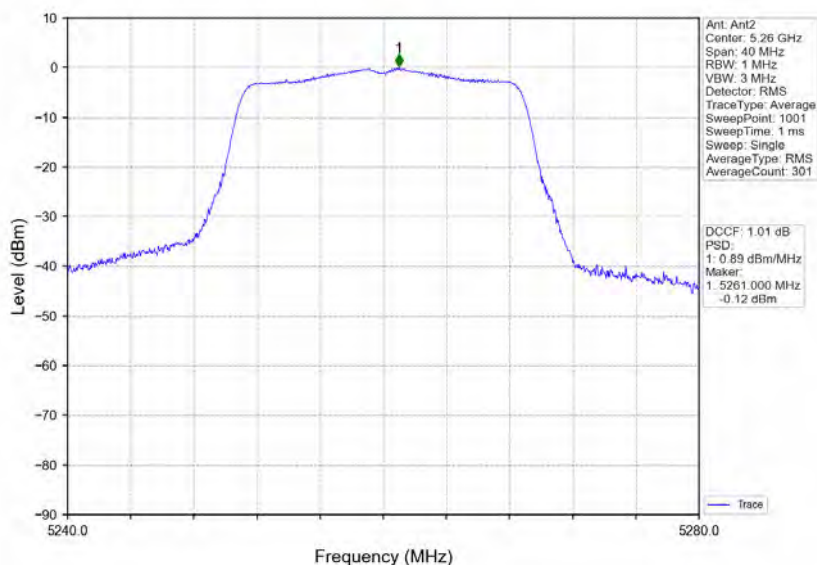
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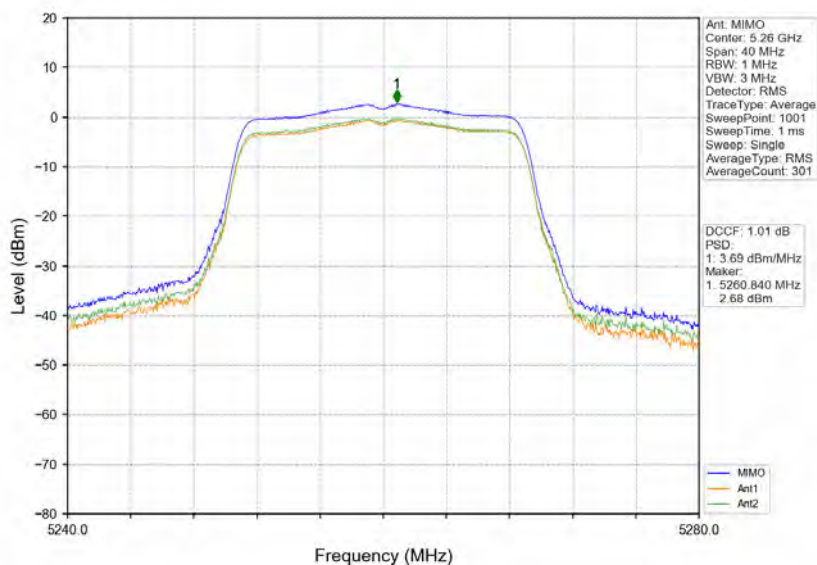
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802.11n(HT20) LCH_5260MHz_MIMO_NTNV



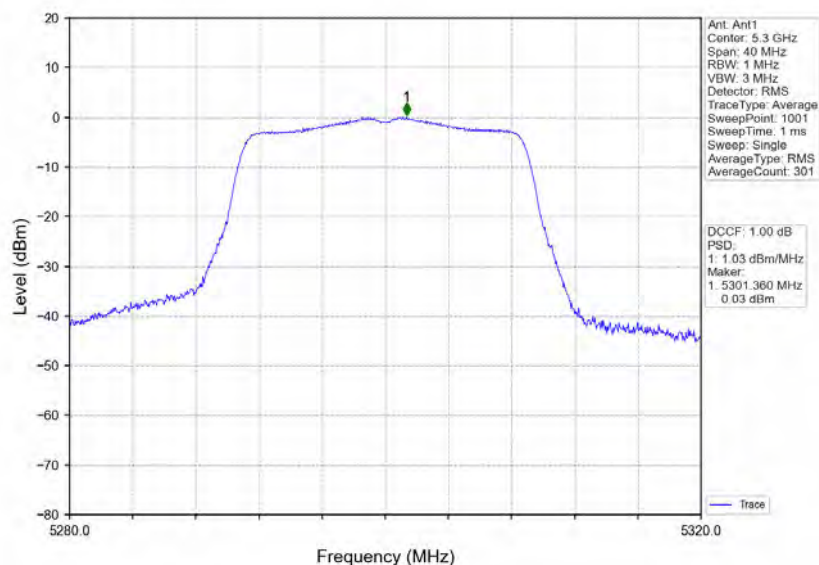
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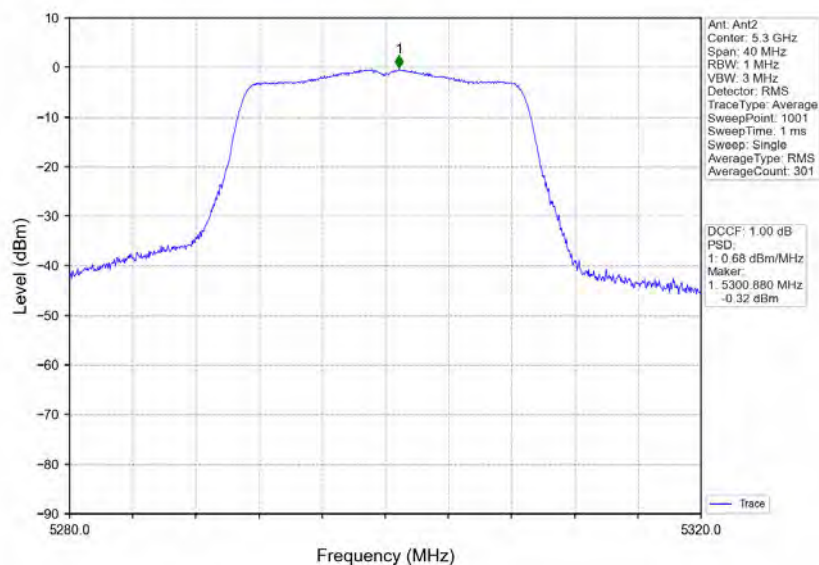
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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



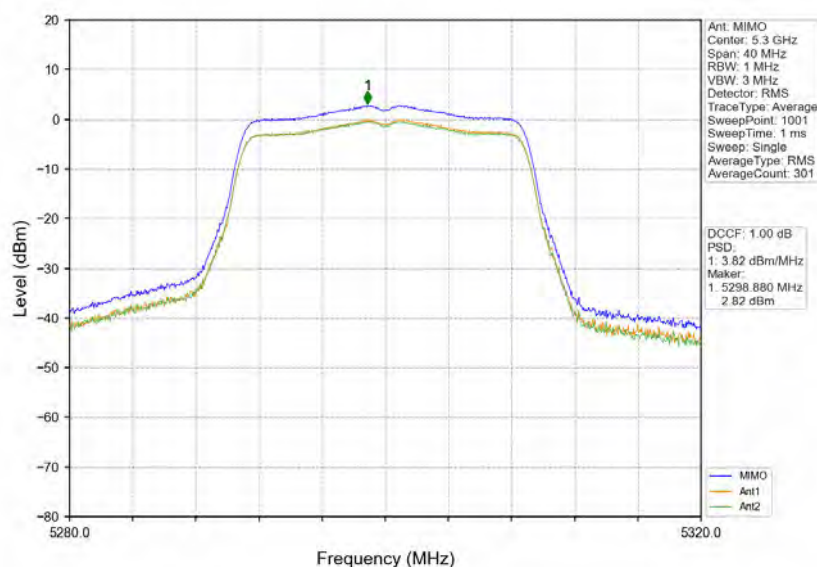
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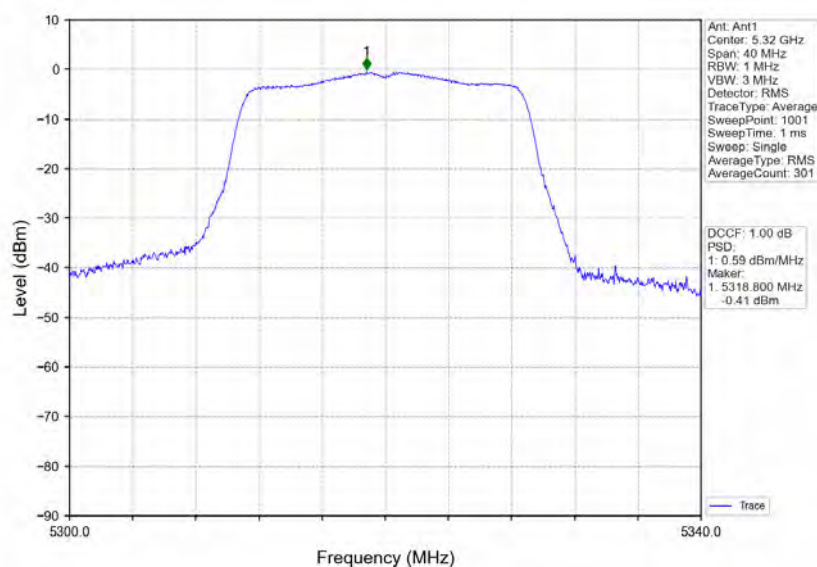
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802.11n(HT20) MCH 5300MHz MIMO NTN



802.11n(HT20) HCH 5320MHz Ant1 NTN



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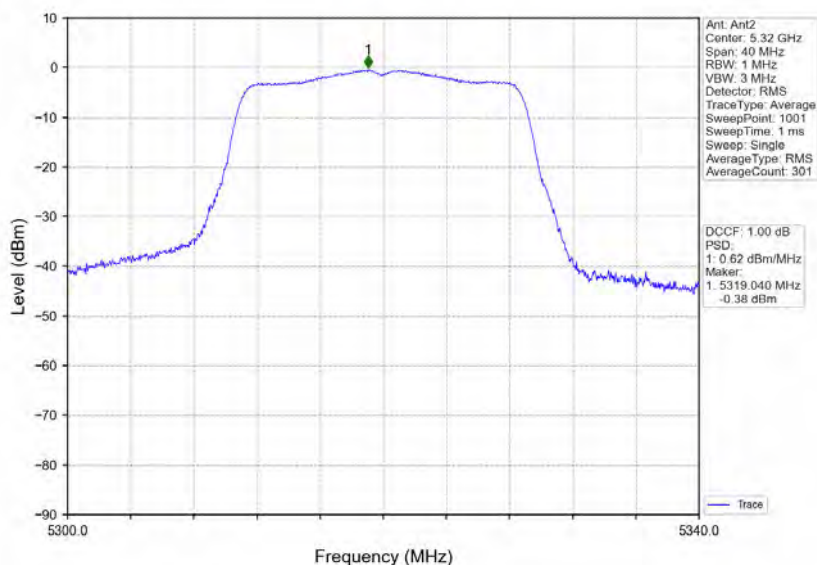
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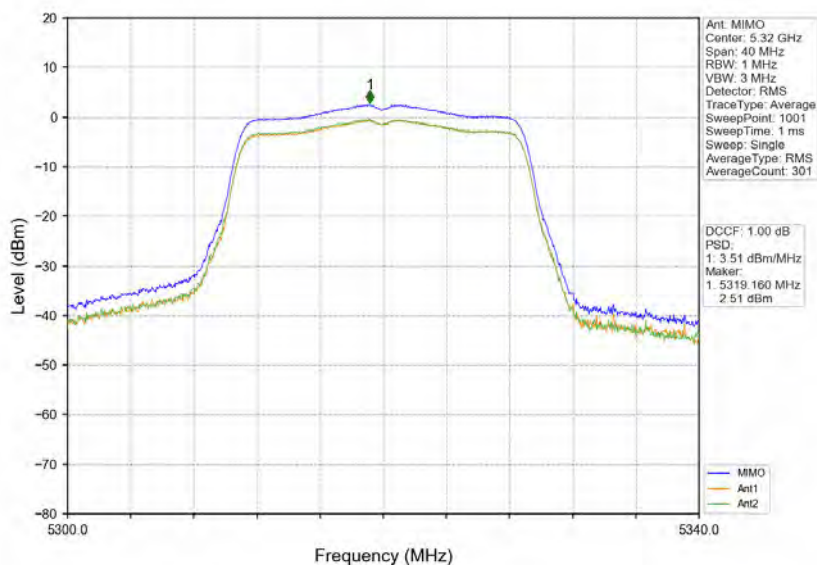
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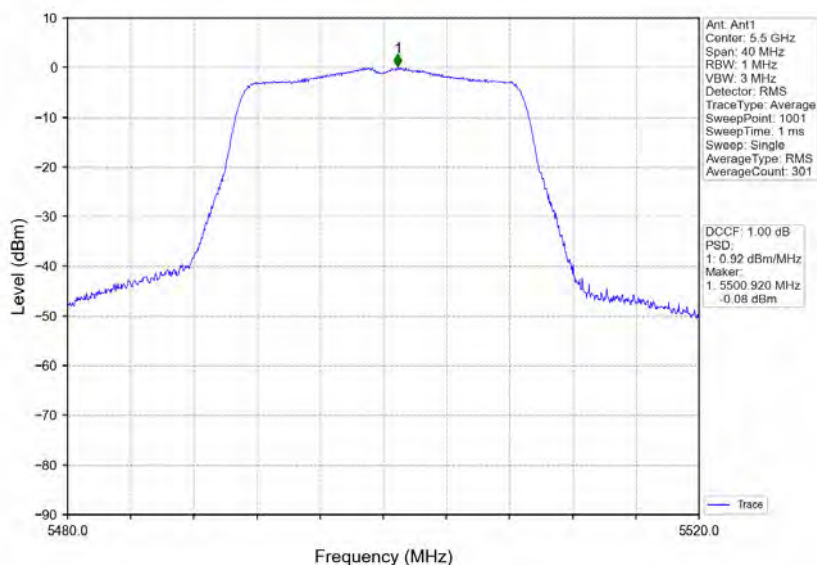
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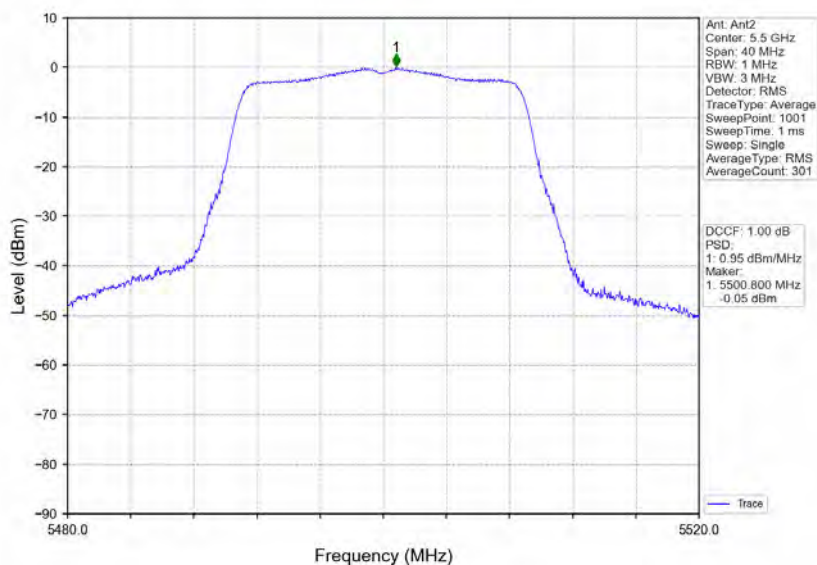
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802.11n(HT20) LCH 5500MHz Ant2 NTN



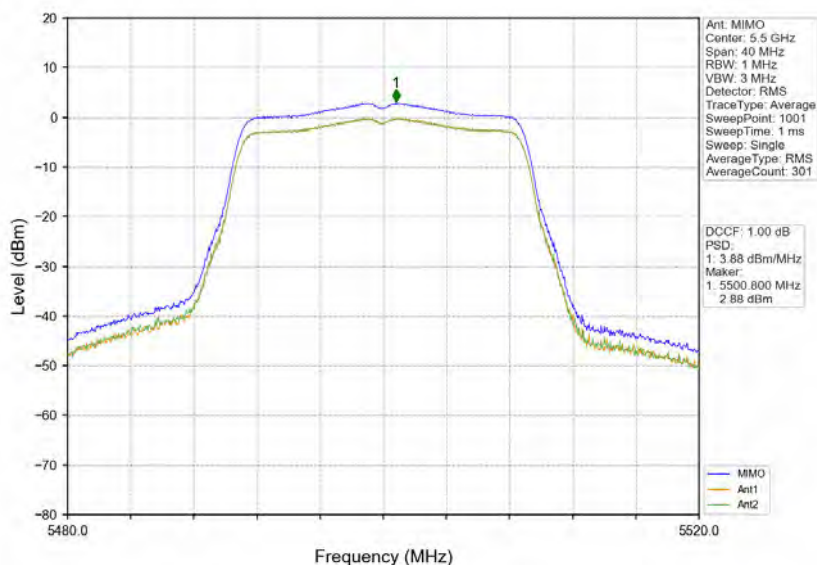
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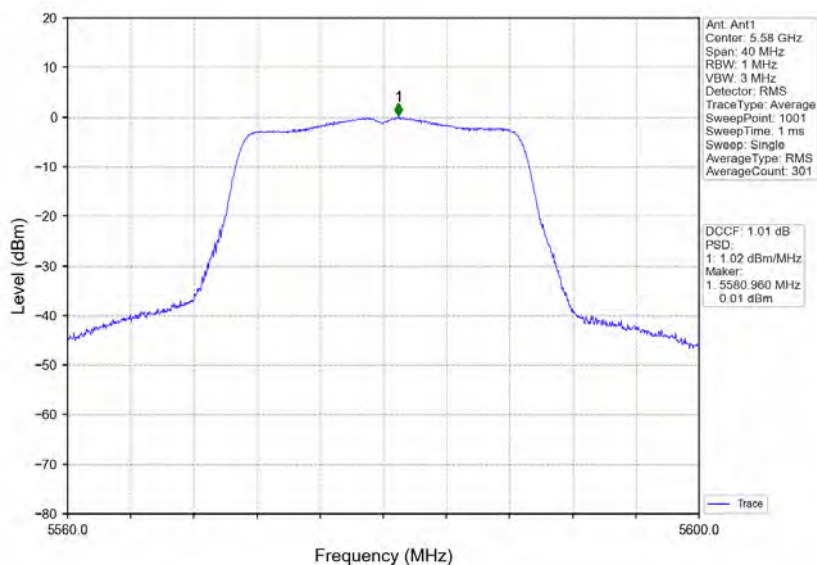
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802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



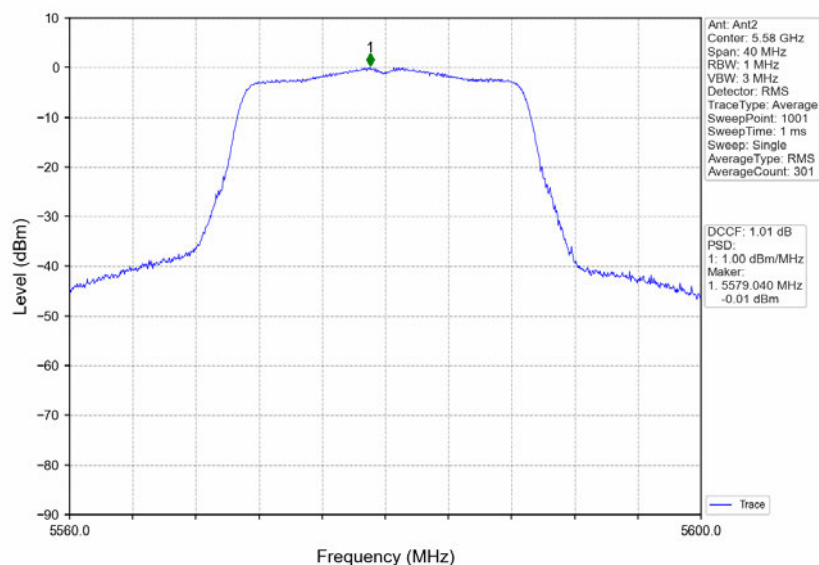
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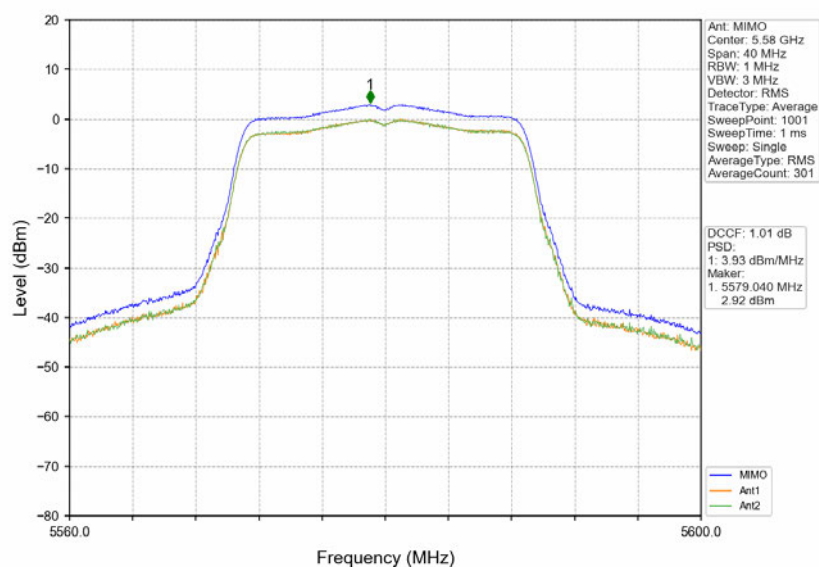
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802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



802.11n(HT20)_MCH_5580MHz_MIMO_NTNV



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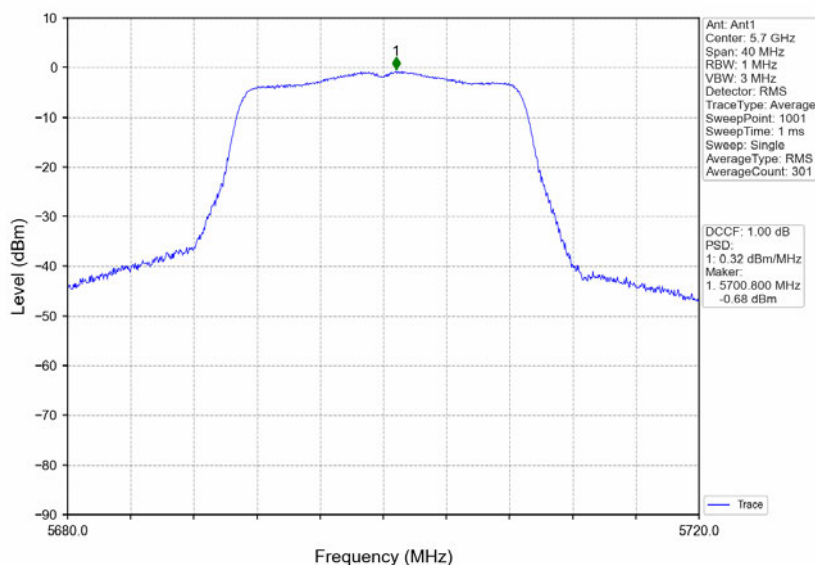
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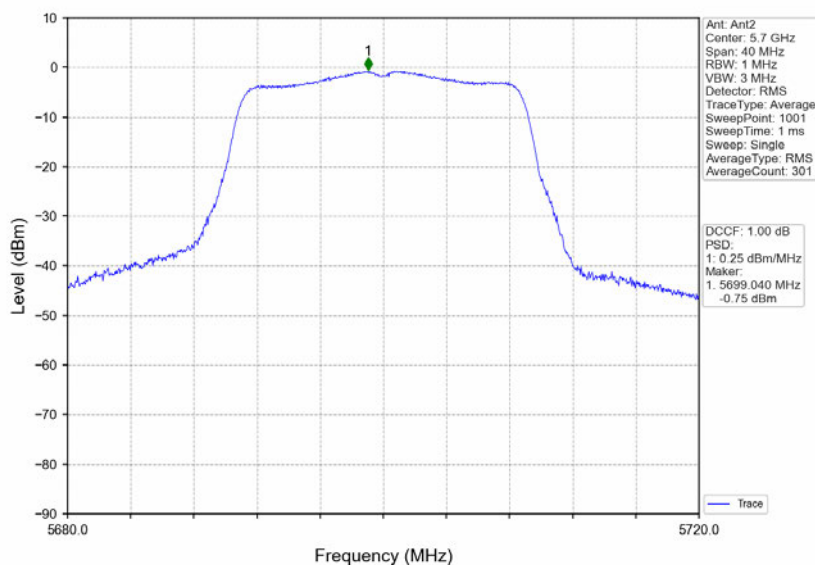
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802.11n(HT20) HCH 5700MHz_Ant1_NTNV



802.11n(HT20) HCH 5700MHz_Ant2_NTNV



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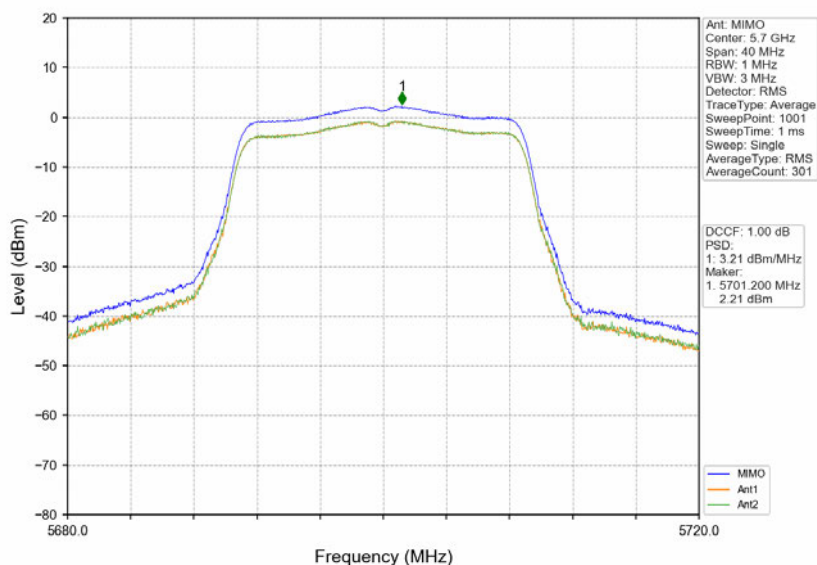
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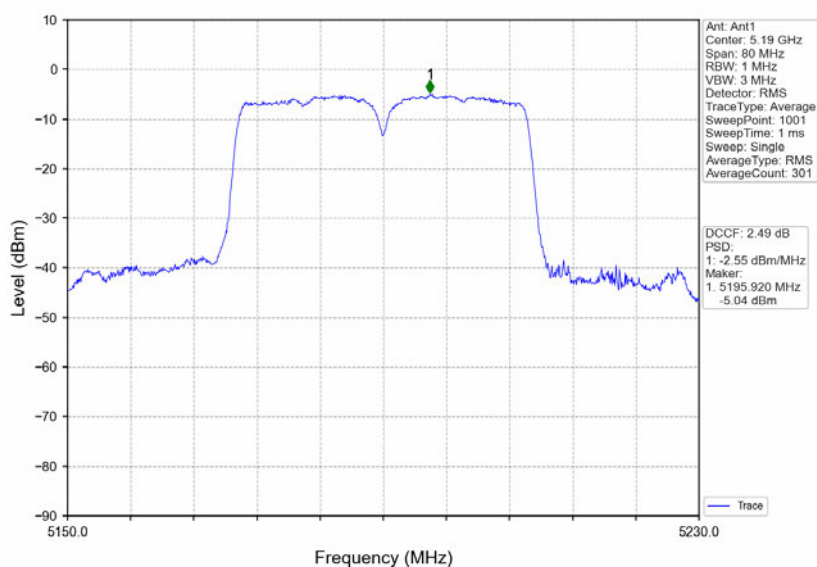
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802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



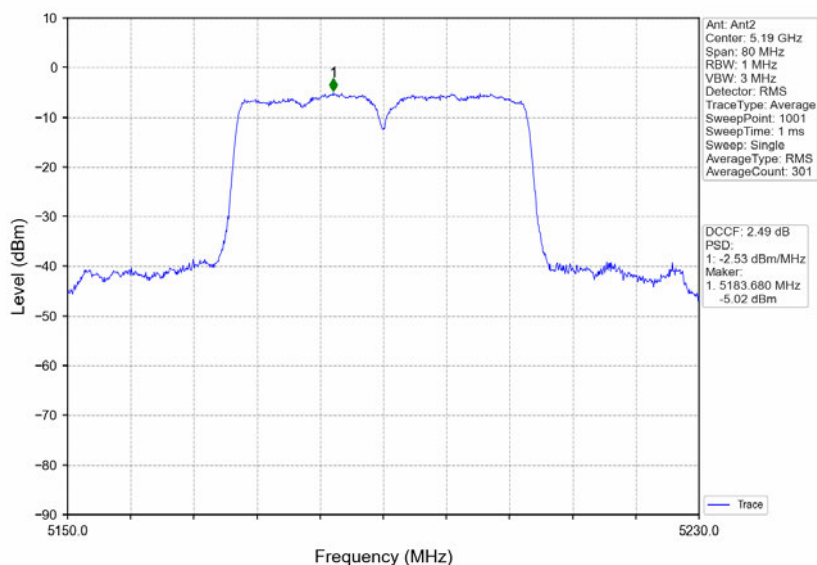
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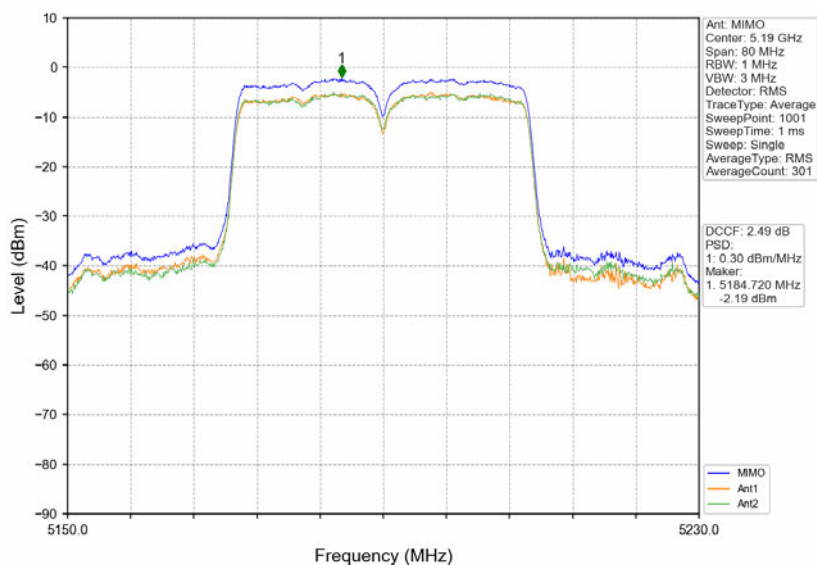
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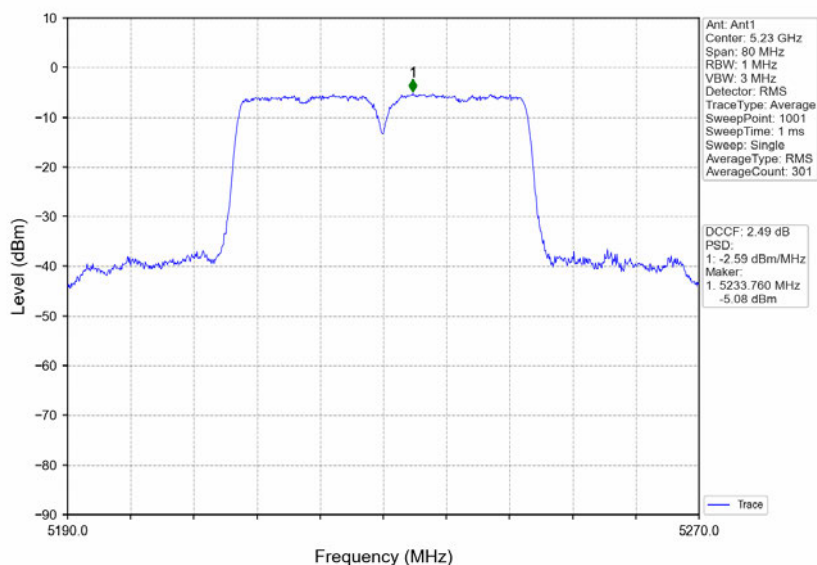
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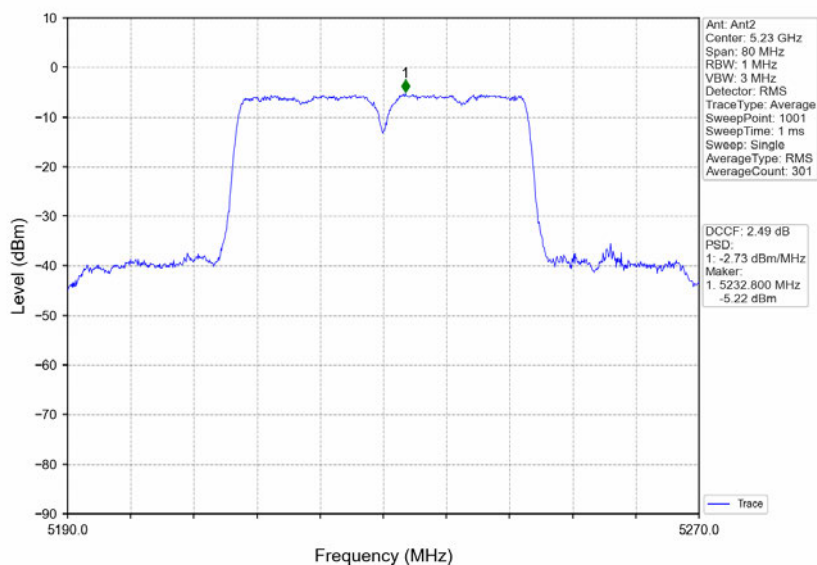
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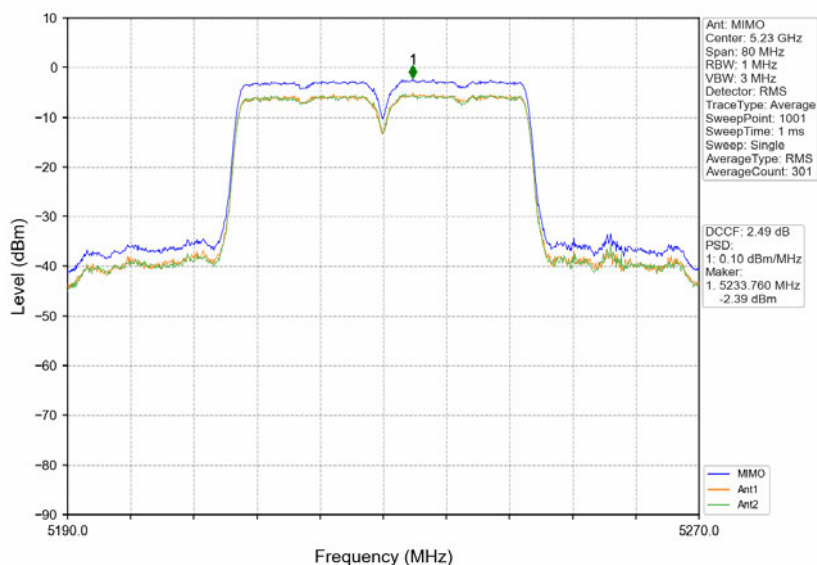
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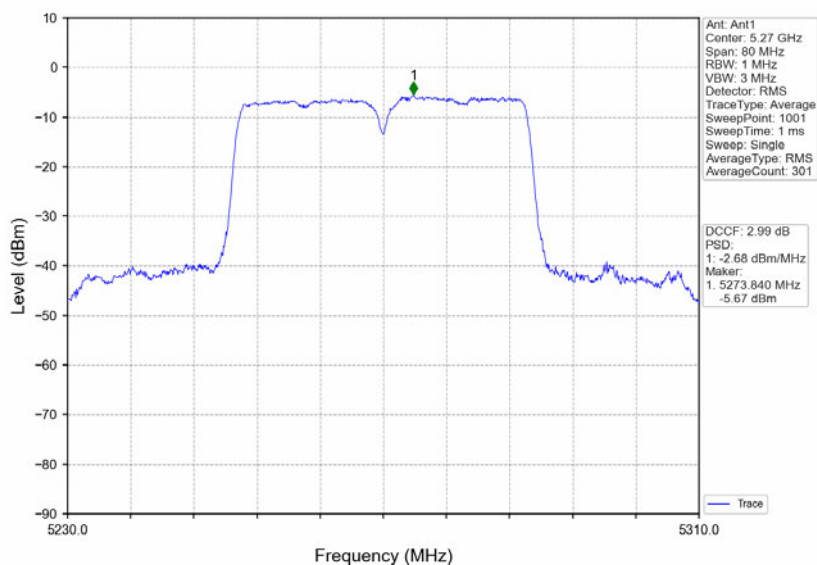
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802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



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