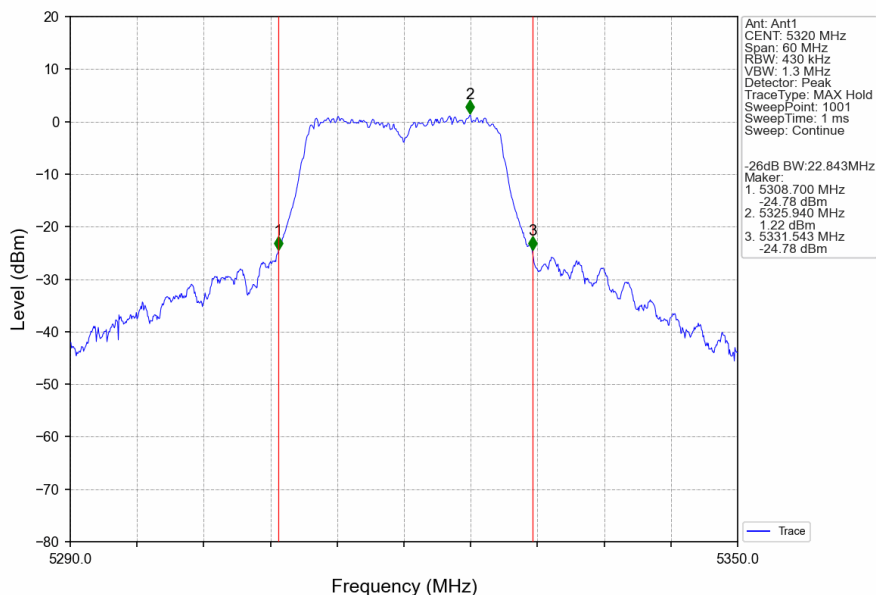
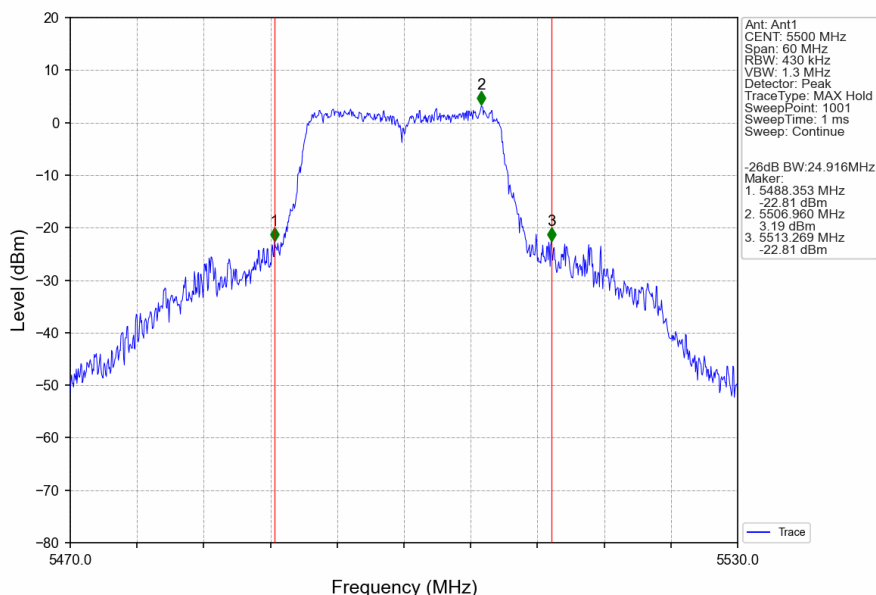


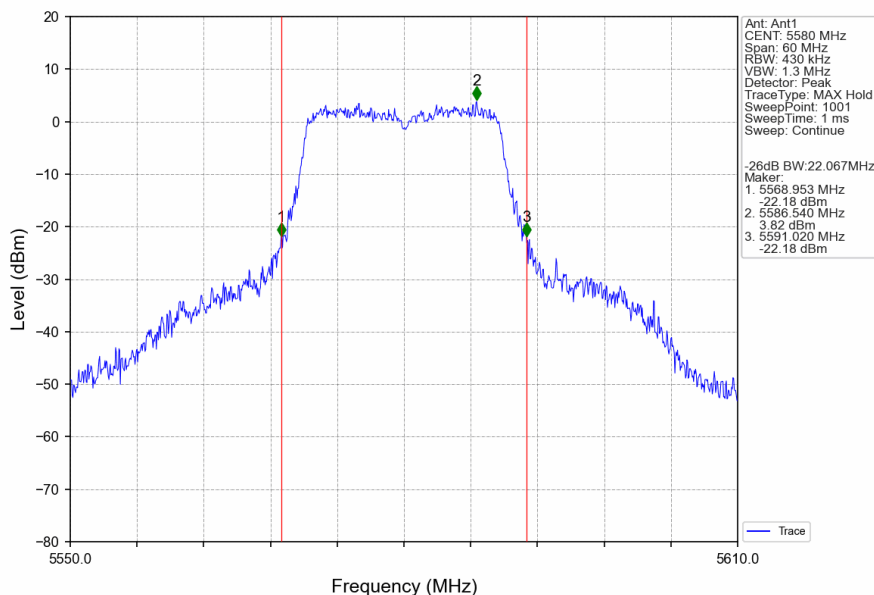
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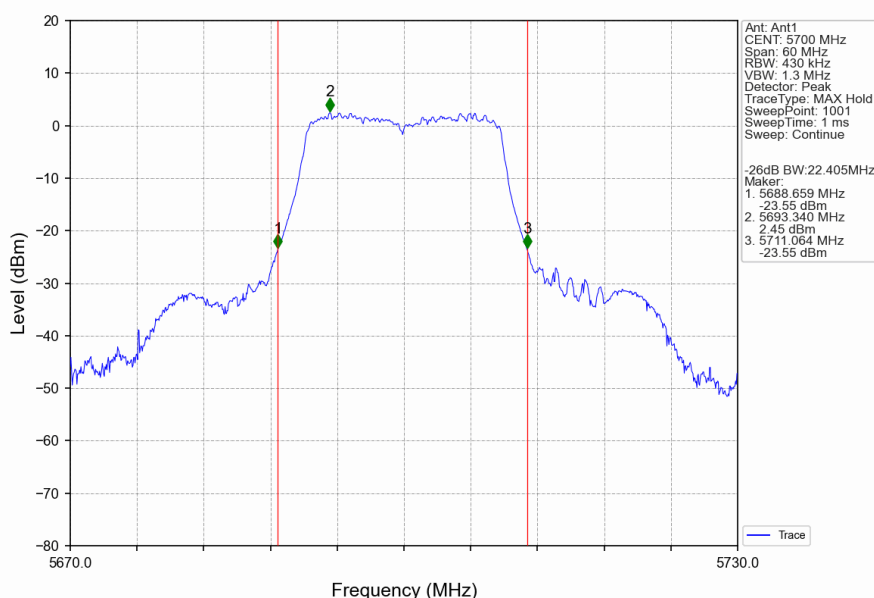
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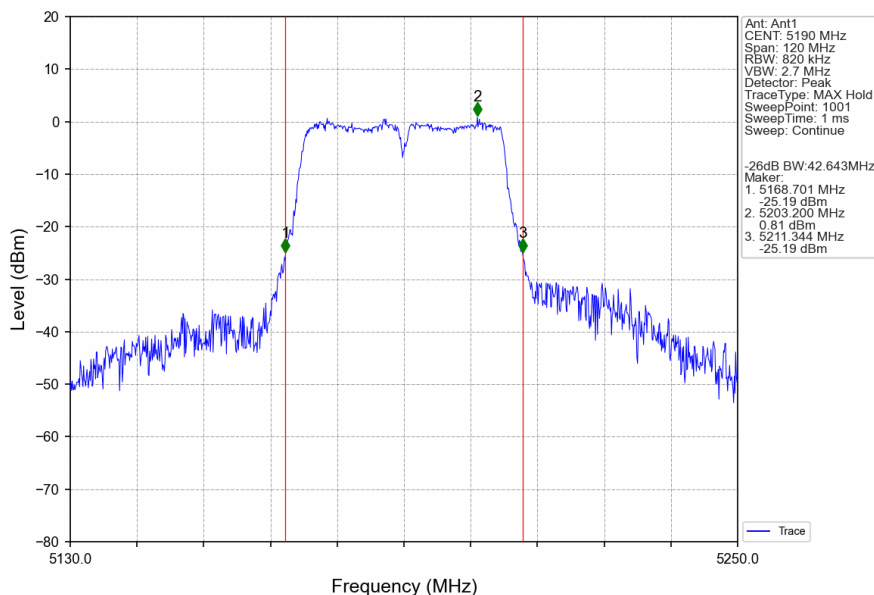
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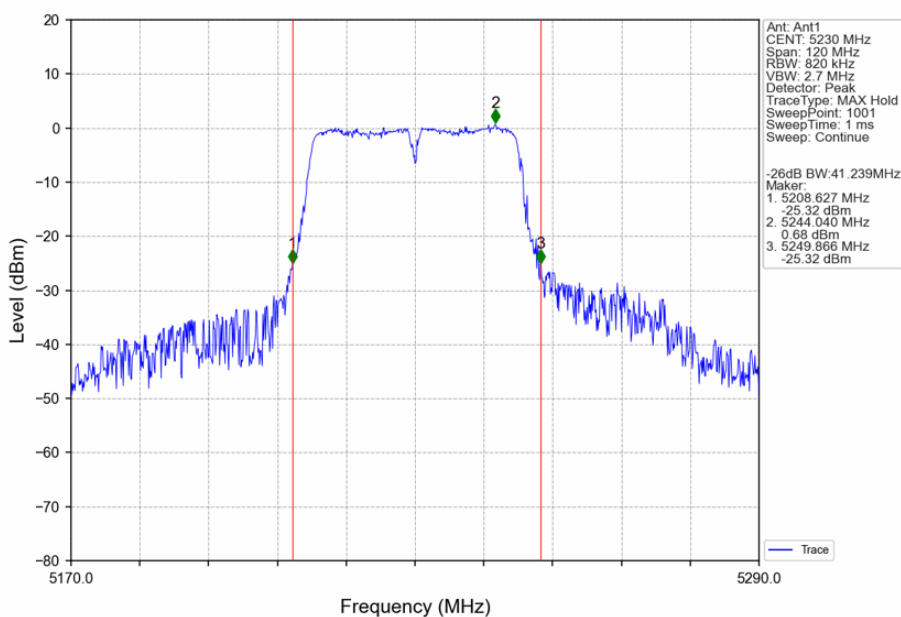
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



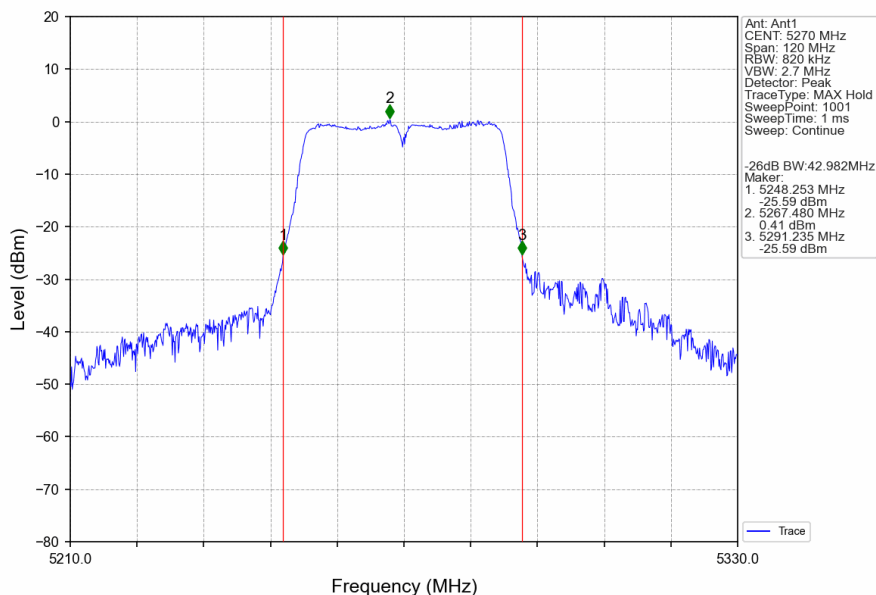
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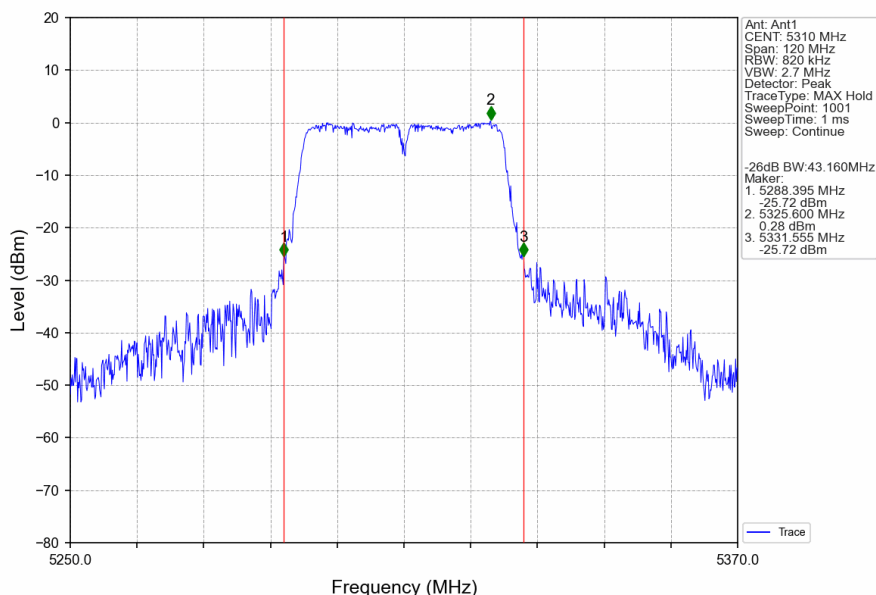
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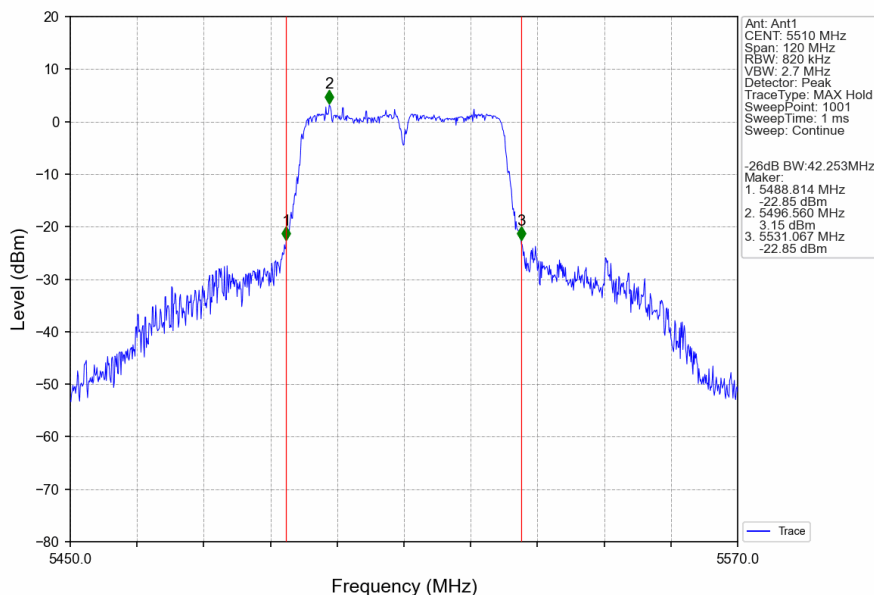
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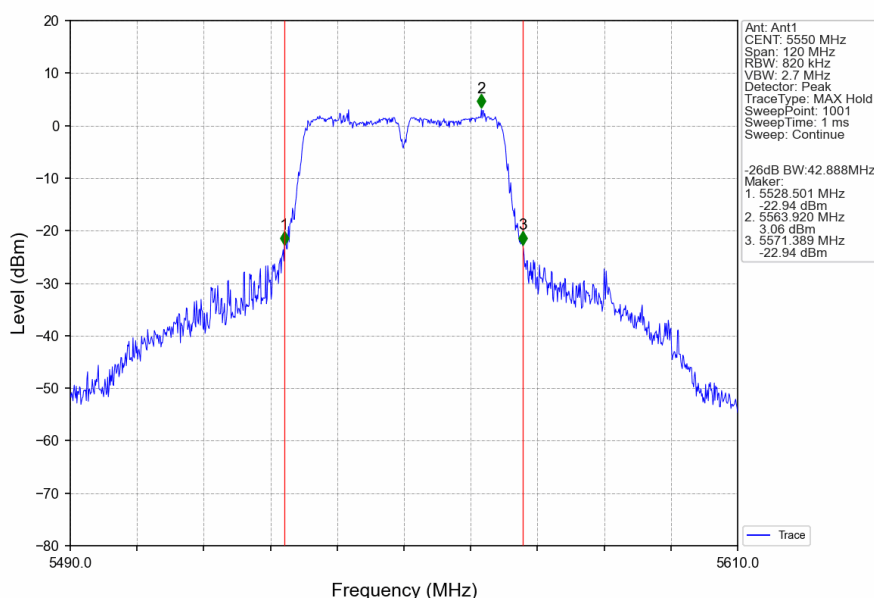
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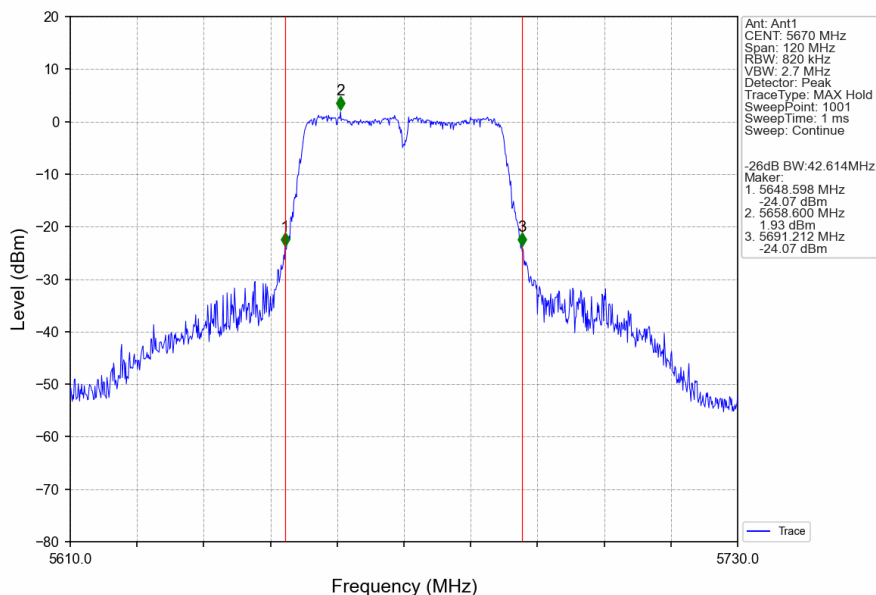
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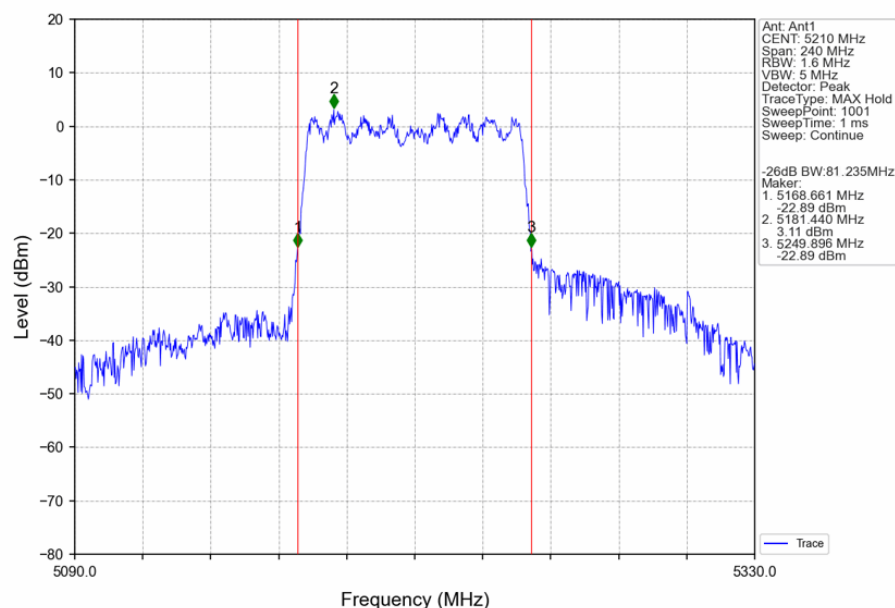
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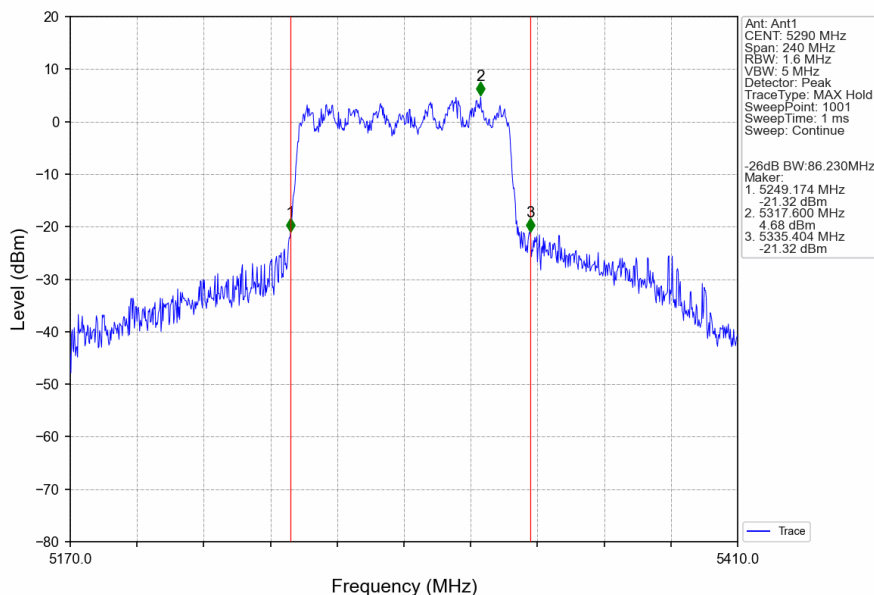
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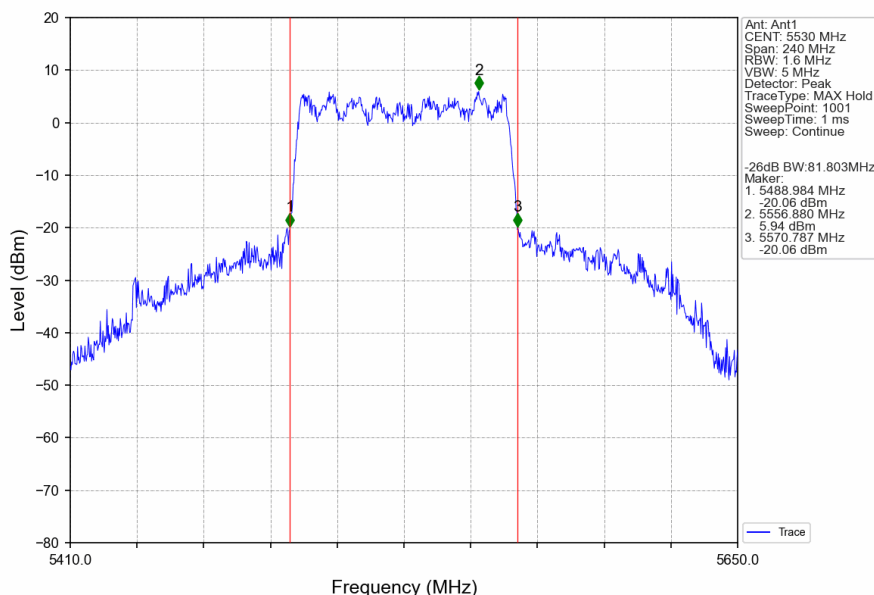
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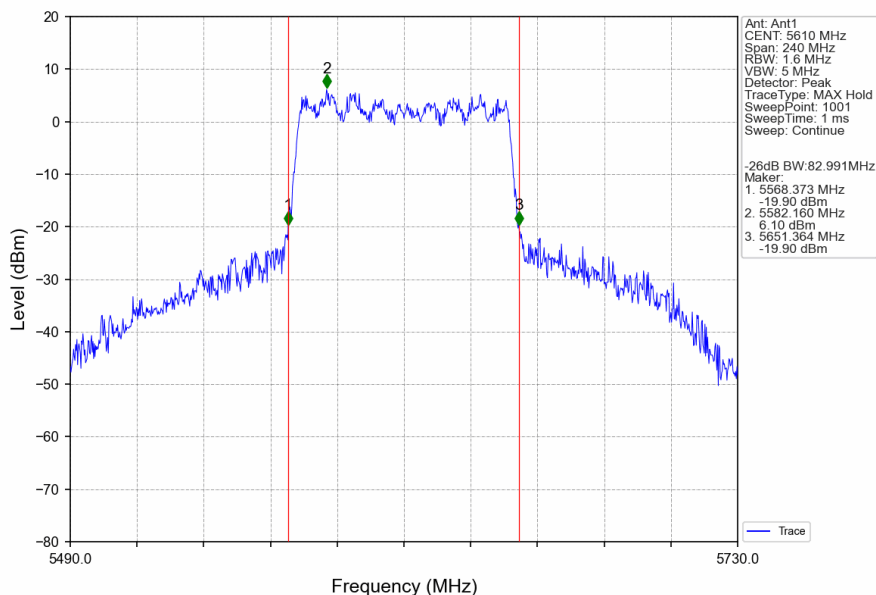
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



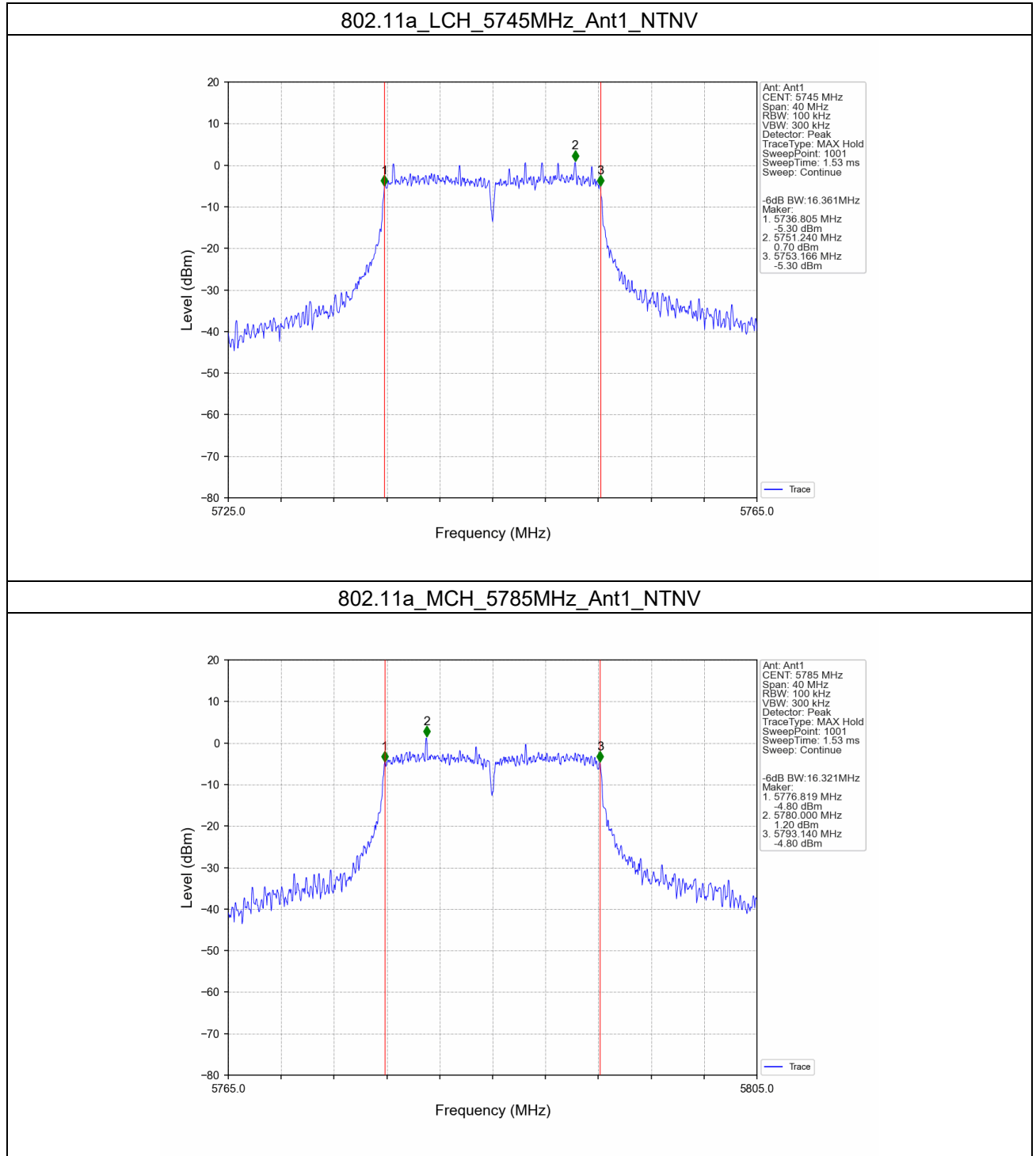
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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2.2.3 6dB BW



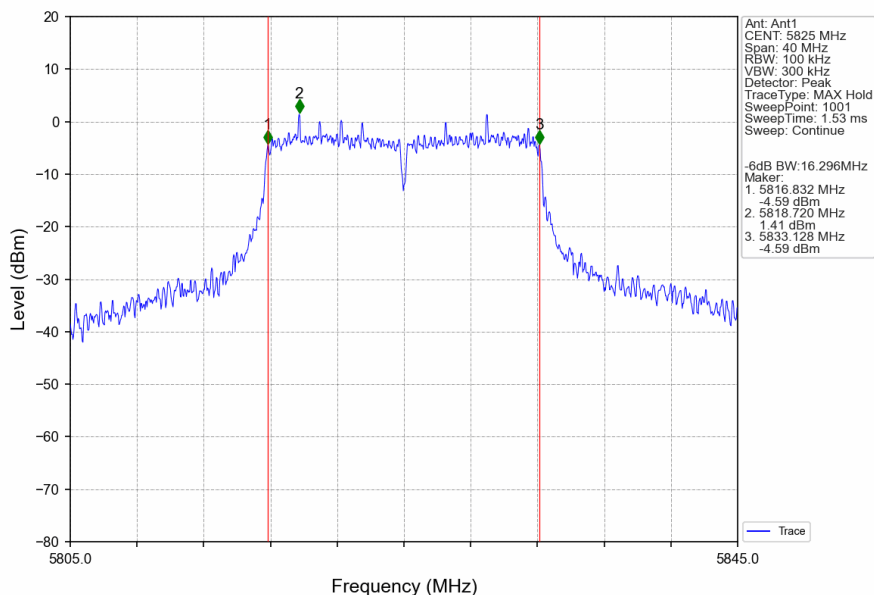
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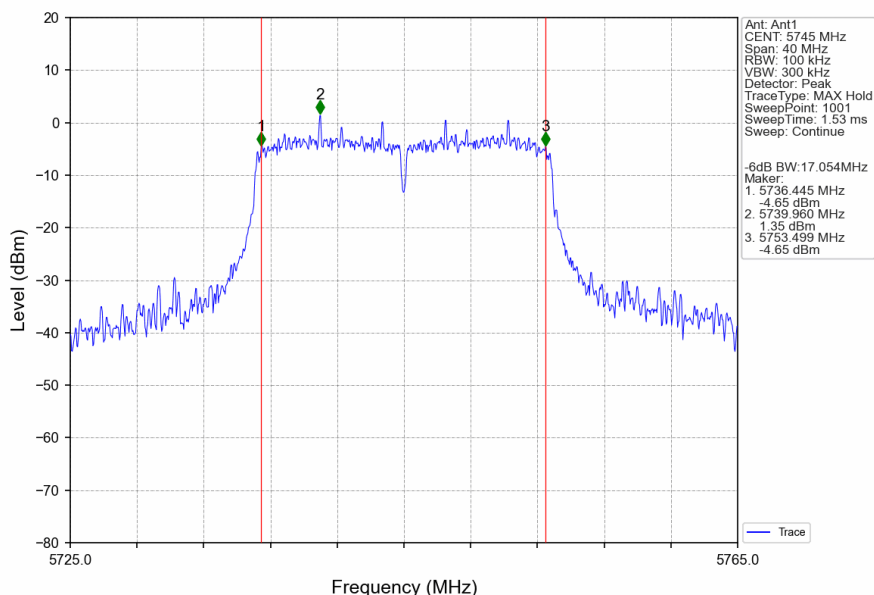
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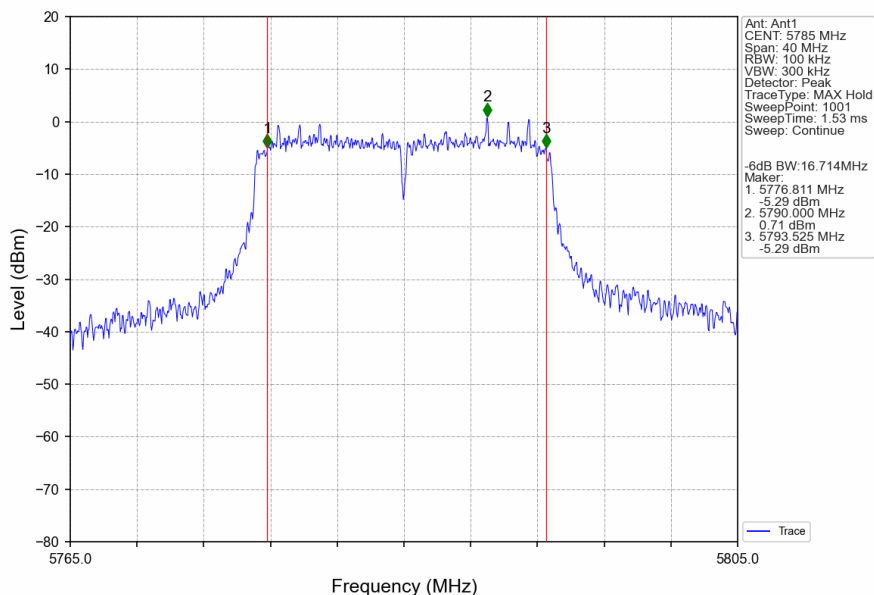
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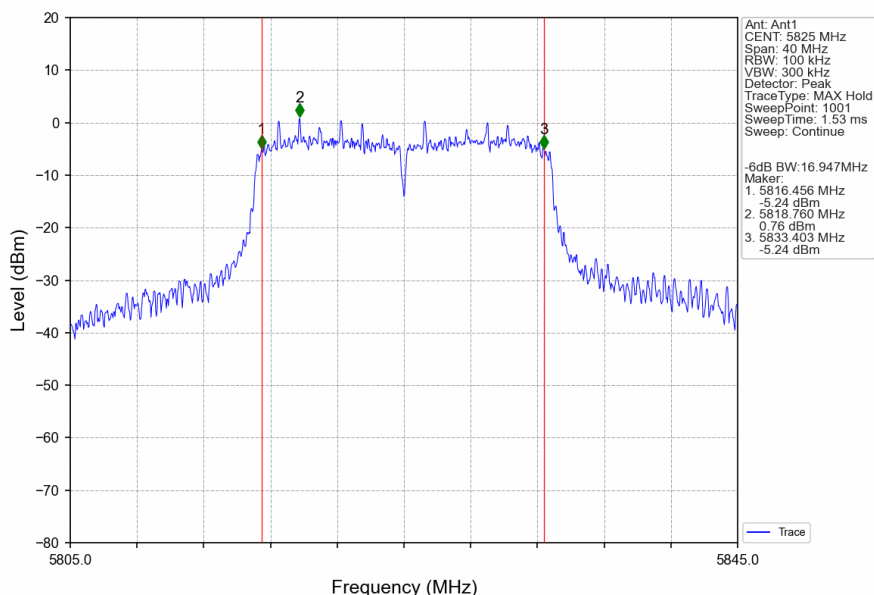
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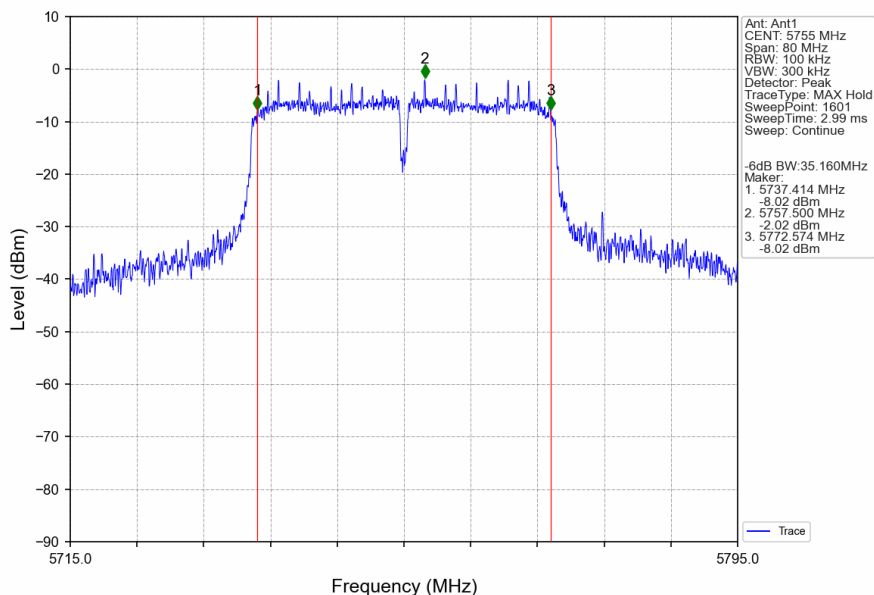
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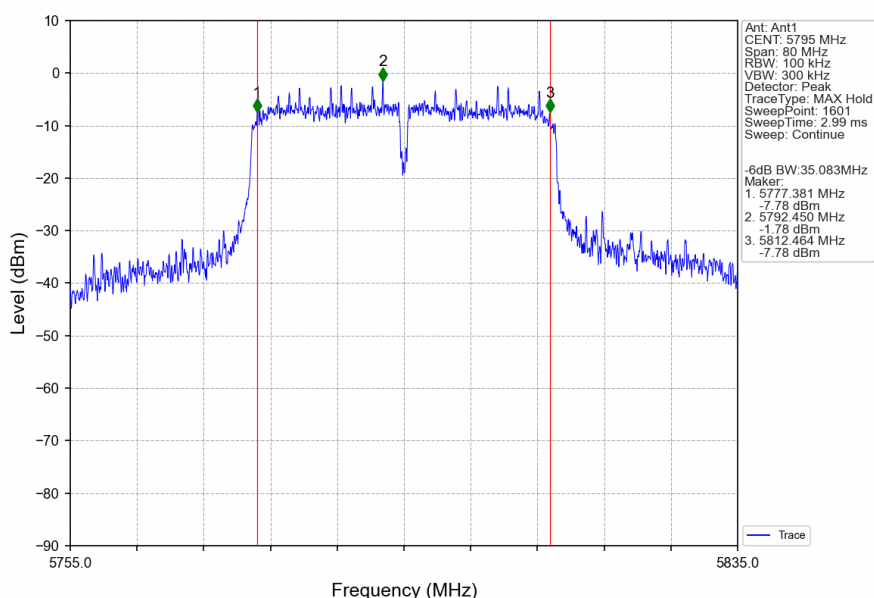
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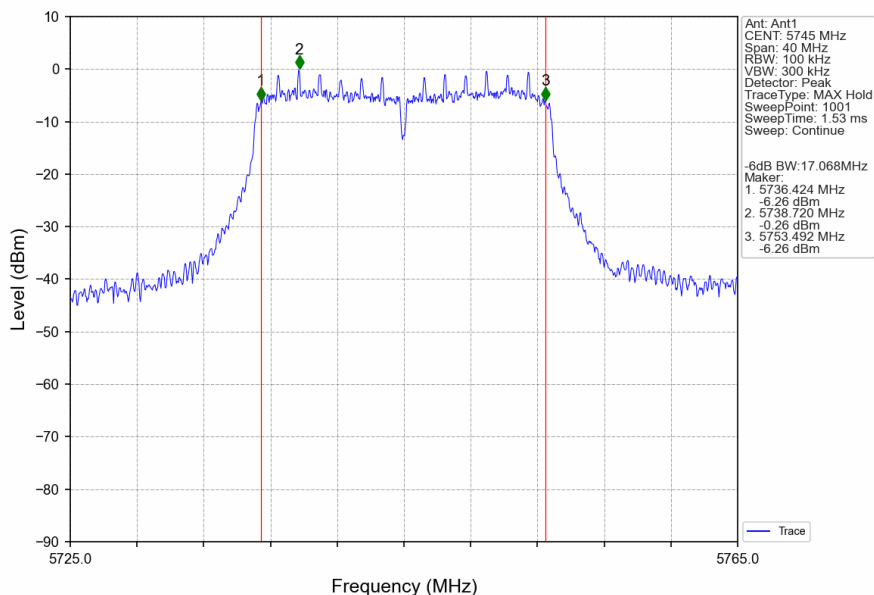
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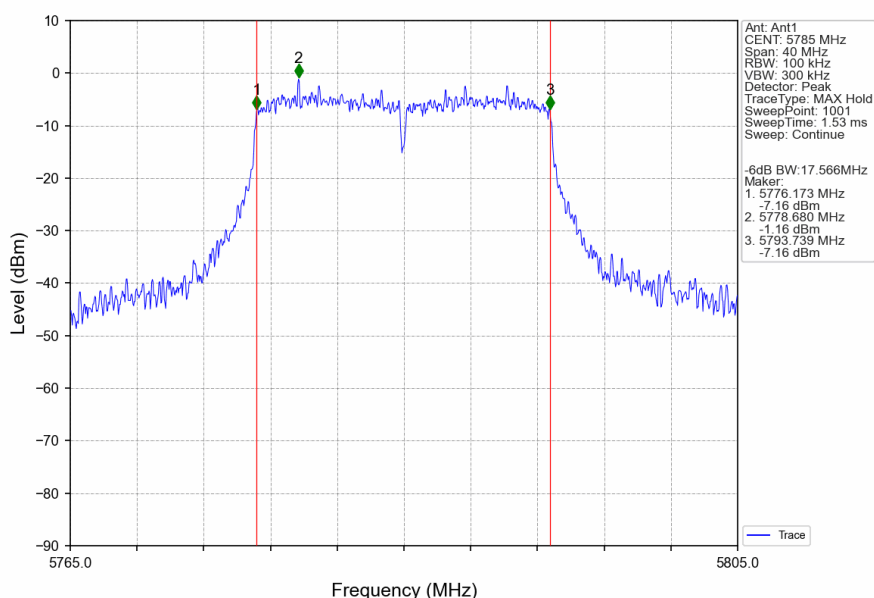
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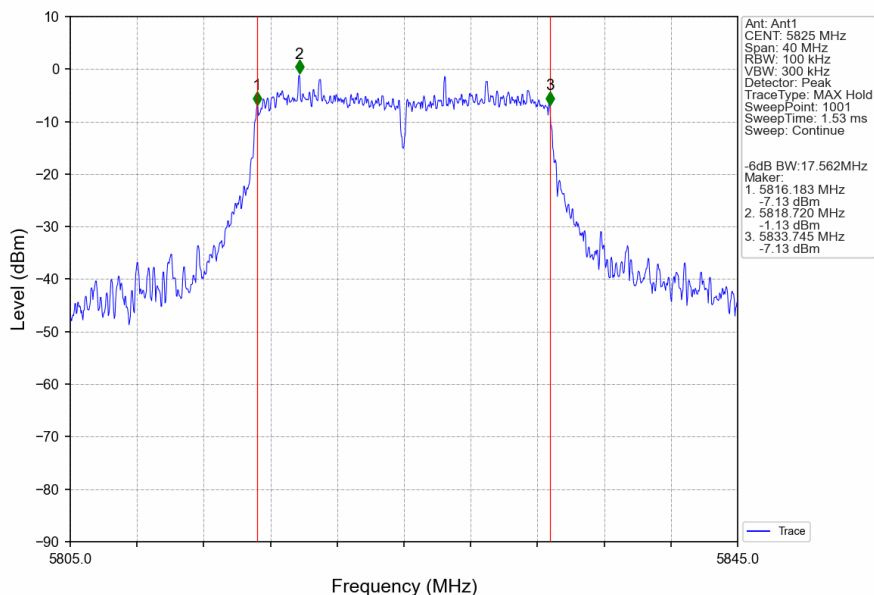
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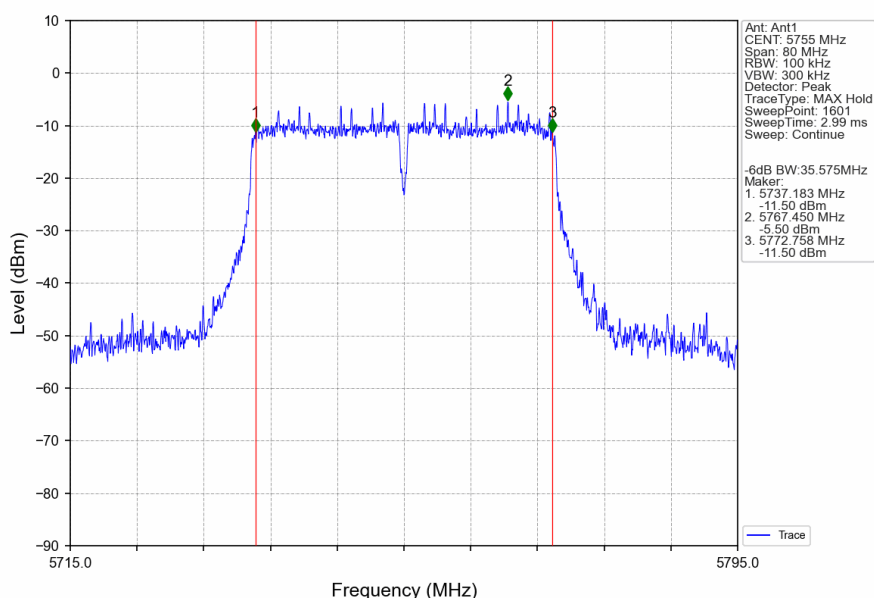
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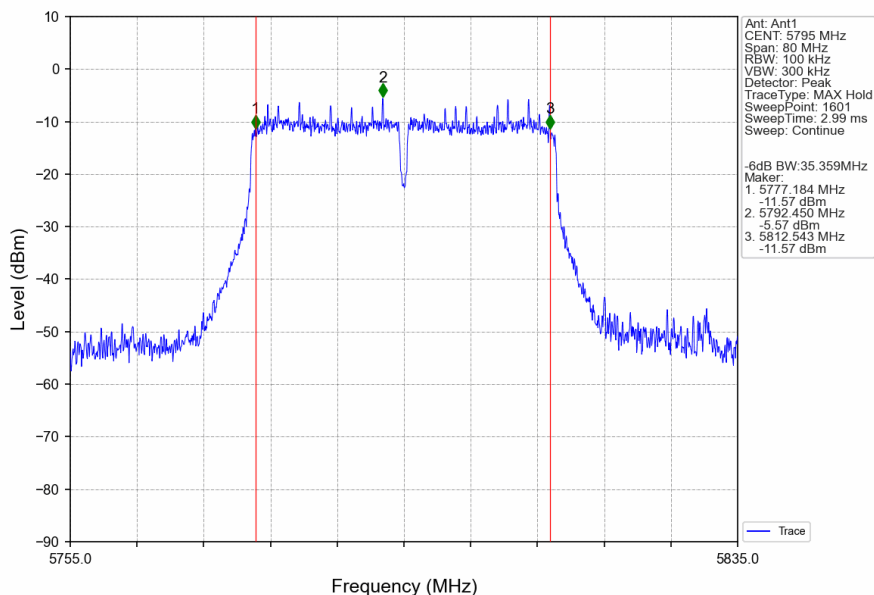
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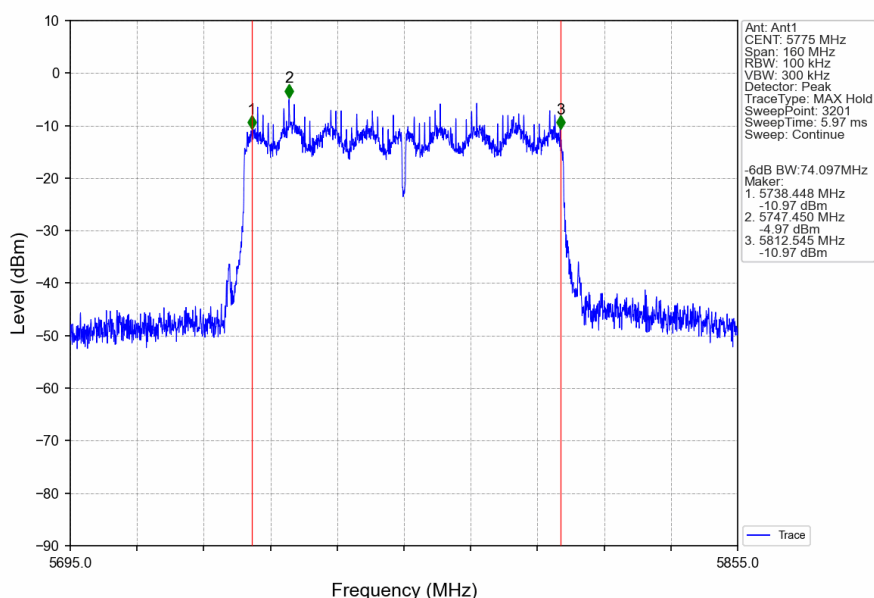
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	9.43	<=23.78	Pass
		5200	9.59	<=23.78	Pass
		5240	10.17	<=23.78	Pass
		5260	9.37	<=23.88	Pass
		5300	9.78	<=23.88	Pass
		5320	10.96	<=23.88	Pass
		5500	13.05	<=23.98	Pass
		5580	13.29	<=23.98	Pass
		5700	12.67	<=23.98	Pass
		5745	12.20	<=30	Pass
		5785	12.09	<=30	Pass
		5825	12.20	<=30	Pass
802.11n (HT20)	SISO	5180	7.86	<=23.78	Pass
		5200	7.81	<=23.78	Pass
		5240	8.09	<=23.78	Pass
		5260	8.62	<=23.88	Pass
		5300	9.01	<=23.88	Pass
		5320	9.13	<=23.88	Pass
		5500	12.96	<=23.98	Pass
		5580	13.18	<=23.98	Pass
		5700	12.55	<=23.98	Pass
		5745	13.00	<=30	Pass
		5785	12.89	<=30	Pass
		5825	12.48	<=30	Pass
802.11n (HT40)	SISO	5190	7.88	<=23.78	Pass
		5230	7.93	<=23.78	Pass
		5270	8.84	<=23.88	Pass
		5310	9.50	<=23.88	Pass
		5510	10.12	<=23.98	Pass
		5550	10.07	<=23.98	Pass
		5670	9.16	<=23.98	Pass



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		5755	12.30	<=30	Pass
		5795	12.10	<=30	Pass
802.11ac (VHT20)	SISO	5180	8.81	<=23.78	Pass
		5200	8.44	<=23.78	Pass
		5240	8.75	<=23.78	Pass
		5260	7.90	<=23.88	Pass
		5300	8.19	<=23.88	Pass
		5320	8.31	<=23.88	Pass
		5500	10.90	<=23.98	Pass
		5580	10.99	<=23.98	Pass
		5700	9.72	<=23.98	Pass
		5745	10.37	<=30	Pass
		5785	10.50	<=30	Pass
		5825	10.19	<=30	Pass
802.11ac (VHT40)	SISO	5190	7.91	<=23.78	Pass
		5230	8.26	<=23.78	Pass
		5270	7.70	<=23.88	Pass
		5310	8.08	<=23.88	Pass
		5510	9.81	<=23.98	Pass
		5550	9.89	<=23.98	Pass
		5670	9.10	<=23.98	Pass
		5755	8.44	<=30	Pass
		5795	8.30	<=30	Pass
802.11ac (VHT80)	SISO	5210	8.32	<=23.78	Pass
		5290	9.56	<=23.88	Pass
		5530	11.37	<=23.98	Pass
		5610	11.15	<=23.98	Pass
		5775	9.94	<=30	Pass

Note1:Antenna gain for U-NII-1(5150-5250MHz): 6.2dBi;

U-NII-2A(5250-5350MHz): 6.1dBi;

U-NII-2C(5470-5725MHz): 5.9dBi;

U-NII-3(5725MHz-5850MHz): 5.9dBi



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4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-1.87	<=10.80	Pass
		5200	-1.66	<=10.80	Pass
		5240	-1.07	<=10.80	Pass
		5260	-1.92	<=10.90	Pass
		5300	-1.46	<=10.90	Pass
		5320	-0.52	<=10.90	Pass
		5500	1.77	<=11	Pass
		5580	1.93	<=11	Pass
		5700	1.33	<=11	Pass
802.11n (HT20)	SISO	5180	-3.74	<=10.80	Pass
		5200	-3.77	<=10.80	Pass
		5240	-3.20	<=10.80	Pass
		5260	-2.94	<=10.90	Pass
		5300	-2.51	<=10.90	Pass
		5320	-2.39	<=10.90	Pass
		5500	1.44	<=11	Pass
		5580	1.65	<=11	Pass
		5700	1.05	<=11	Pass
802.11n (HT40)	SISO	5190	-6.75	<=10.80	Pass
		5230	-6.63	<=10.80	Pass
		5270	-5.65	<=10.90	Pass
		5310	-5.10	<=10.90	Pass
		5510	-4.62	<=11	Pass
		5550	-4.54	<=11	Pass
		5670	-3.27	<=11	Pass
802.11ac (VHT20)	SISO	5180	-2.85	<=10.80	Pass
		5200	-3.13	<=10.80	Pass
		5240	-2.87	<=10.80	Pass
		5260	-3.58	<=10.90	Pass
		5300	-3.34	<=10.90	Pass
		5320	-3.24	<=10.90	Pass
		5500	-0.68	<=11	Pass



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		5580	-0.55	<=11	Pass
		5700	-1.73	<=11	Pass
802.11ac (VHT40)	SISO	5190	-6.80	<=10.80	Pass
		5230	-6.21	<=10.80	Pass
		5270	-6.86	<=10.90	Pass
		5310	-6.51	<=10.90	Pass
		5510	-4.81	<=11	Pass
		5550	-4.64	<=11	Pass
		5670	-5.49	<=11	Pass
802.11ac (VHT80)	SISO	5210	-7.84	<=10.80	Pass
		5290	-6.68	<=10.90	Pass
		5530	-4.97	<=11	Pass
		5610	-4.99	<=11	Pass

Note1:Antenna gain for U-NII-1(5150-5250MHz): 6.2dBi;
U-NII-2A(5250-5350MHz): 6.1dBi;
U-NII-2C(5470-5725MHz): 5.9dBi;

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-1.92	<=30	Pass
		5785	-1.99	<=30	Pass
		5825	-1.94	<=30	Pass
802.11n (HT20)	SISO	5745	-1.31	<=30	Pass
		5785	-1.44	<=30	Pass
		5825	-1.86	<=30	Pass
802.11n (HT40)	SISO	5755	-4.97	<=30	Pass
		5795	-5.05	<=30	Pass
802.11ac (VHT20)	SISO	5745	-3.98	<=30	Pass
		5785	-3.96	<=30	Pass
		5825	-4.18	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.86	<=30	Pass
		5795	-9.06	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.32	<=30	Pass

Note1:Antenna gain for U-NII-3(5725MHz-5850MHz): 5.9dBi



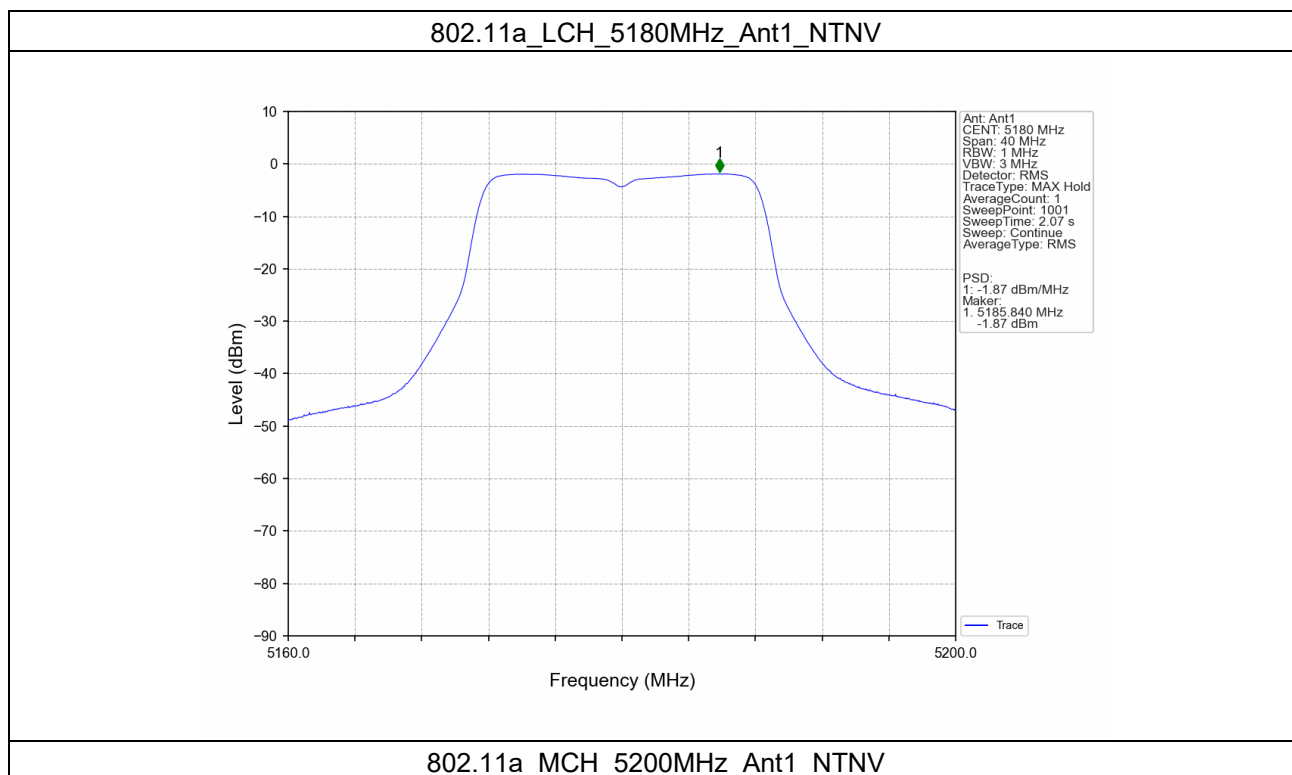
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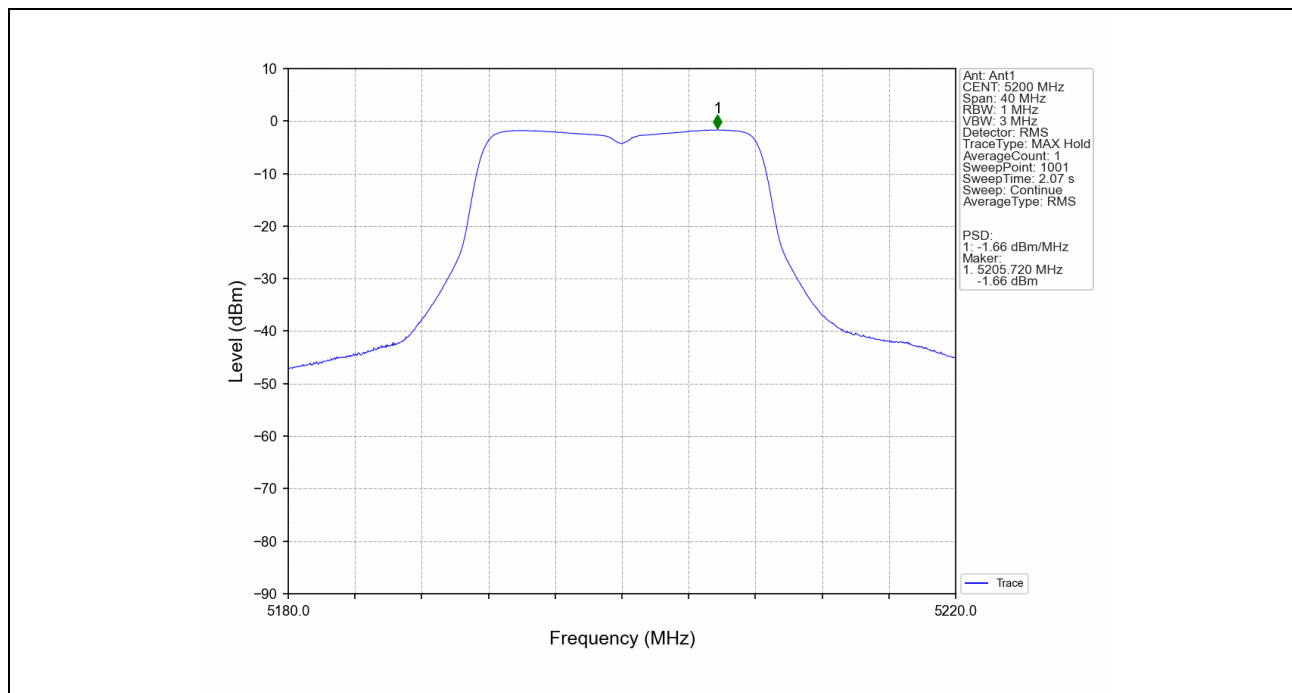
4.2 Test Graph

4.2.1 PSD



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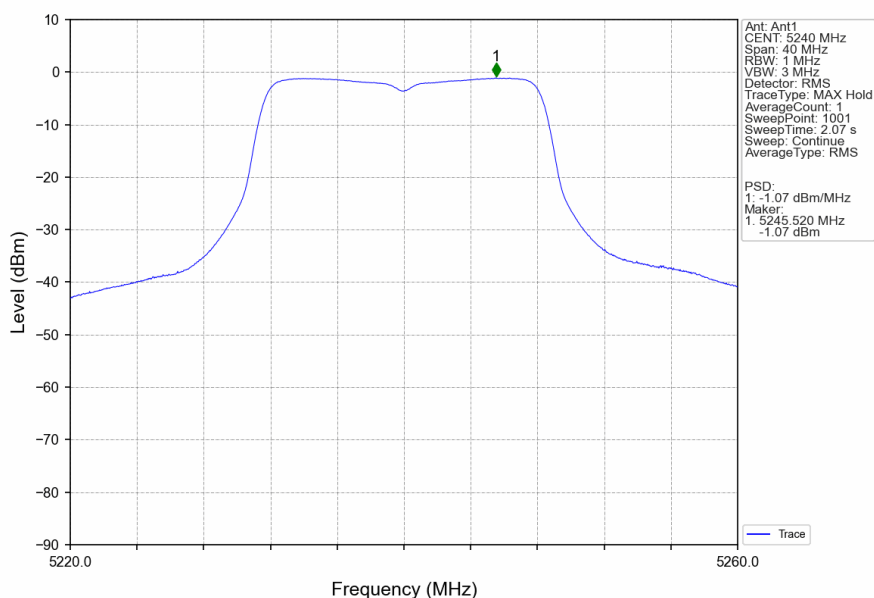
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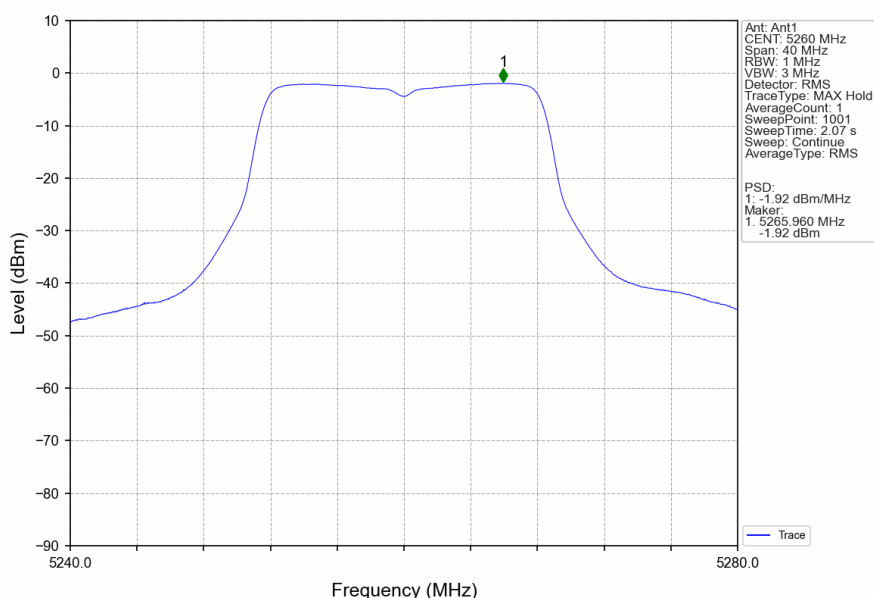
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



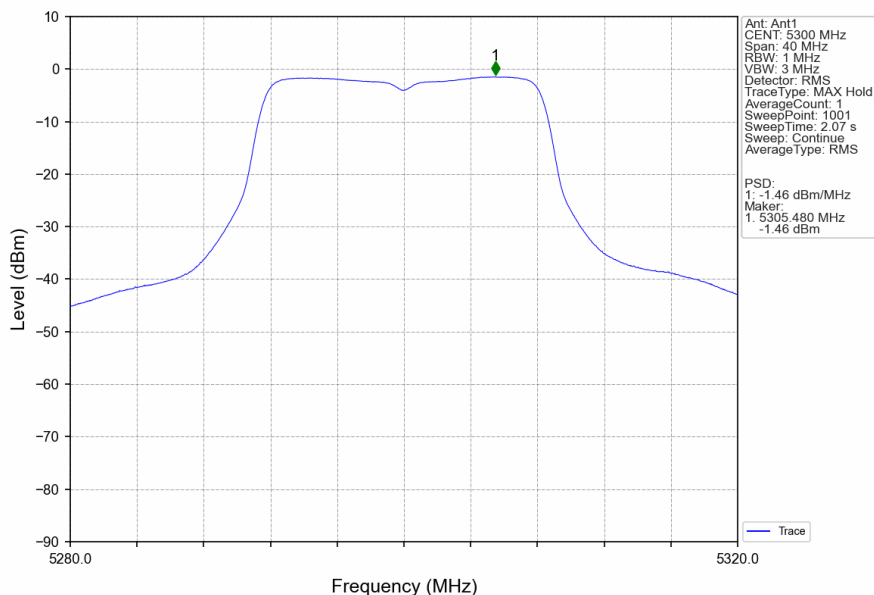
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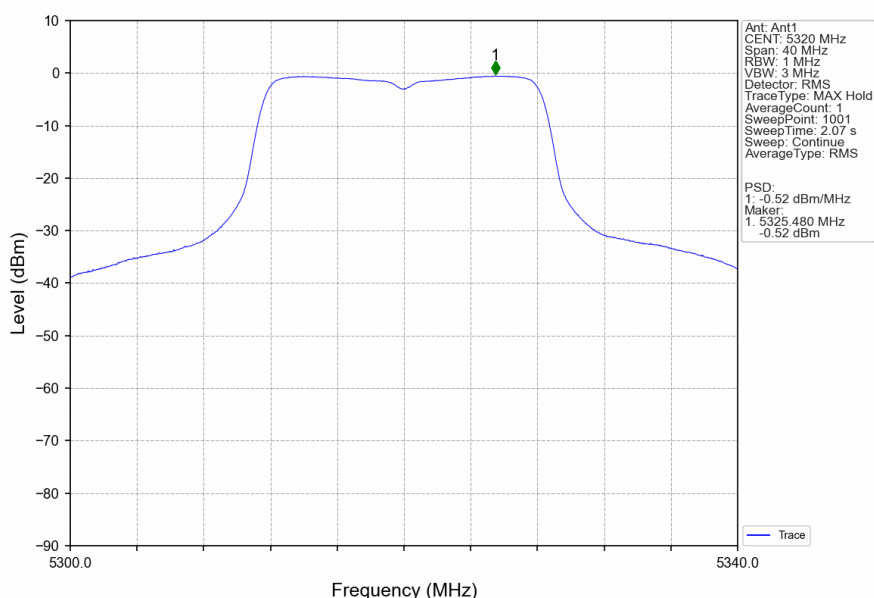
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



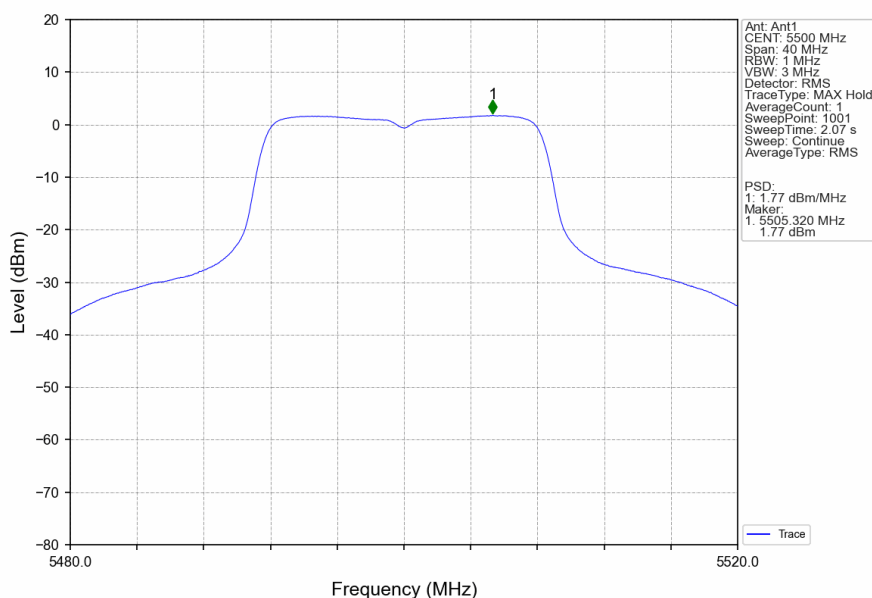
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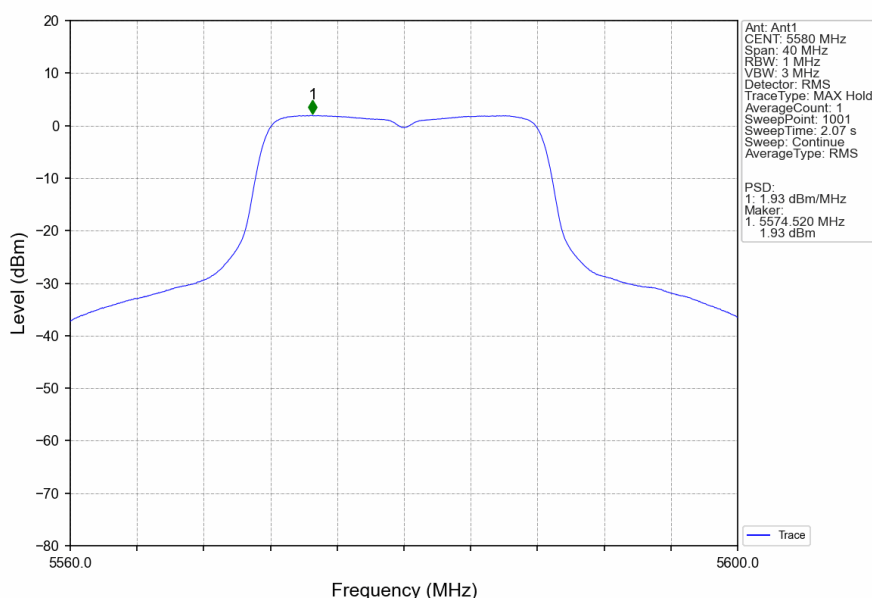
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



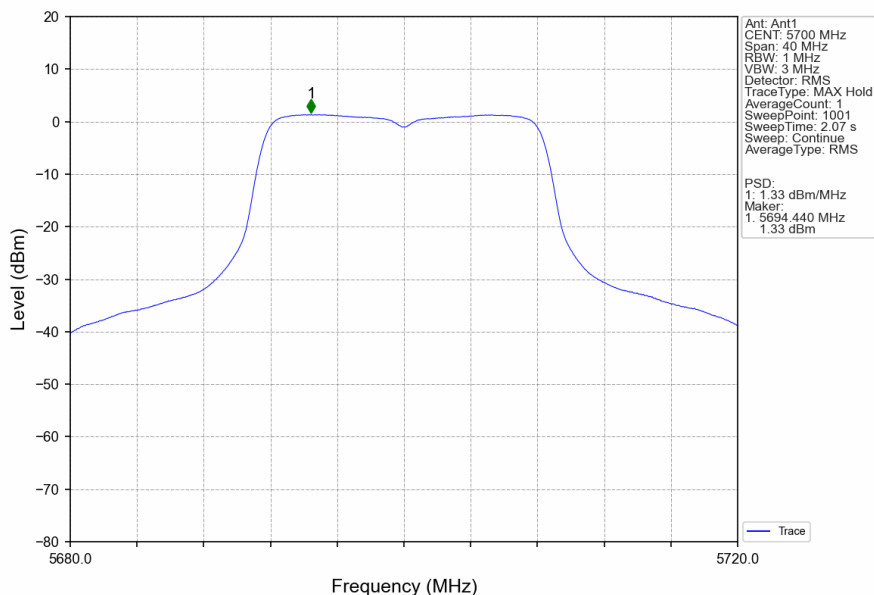
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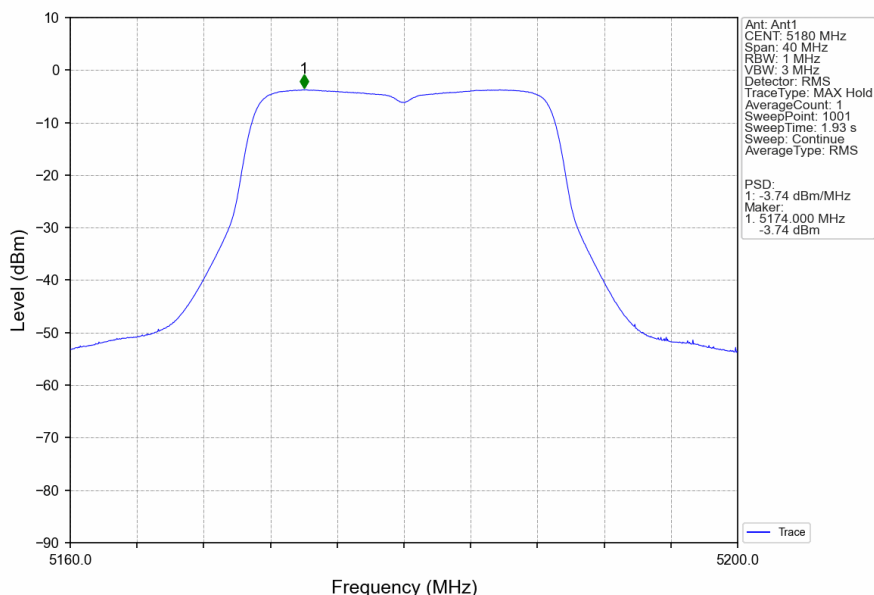
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



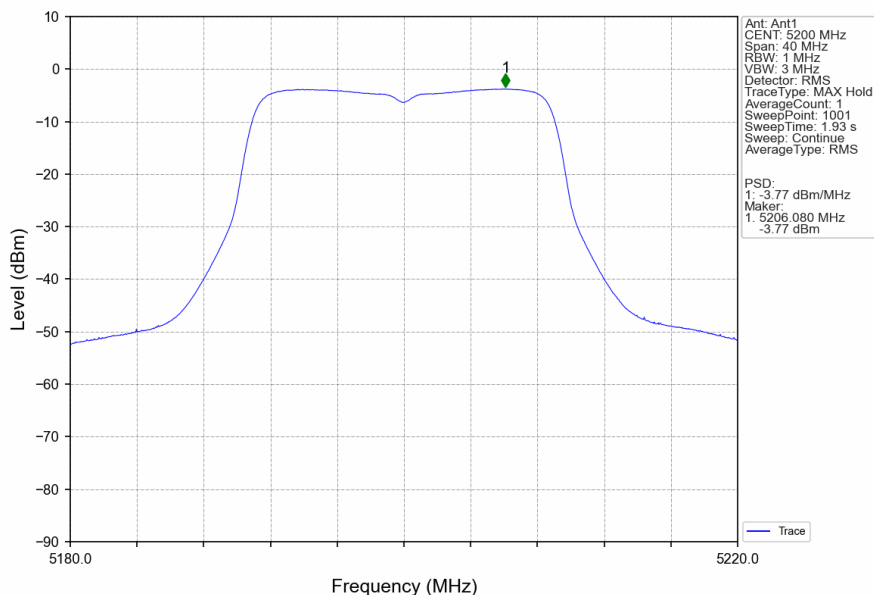
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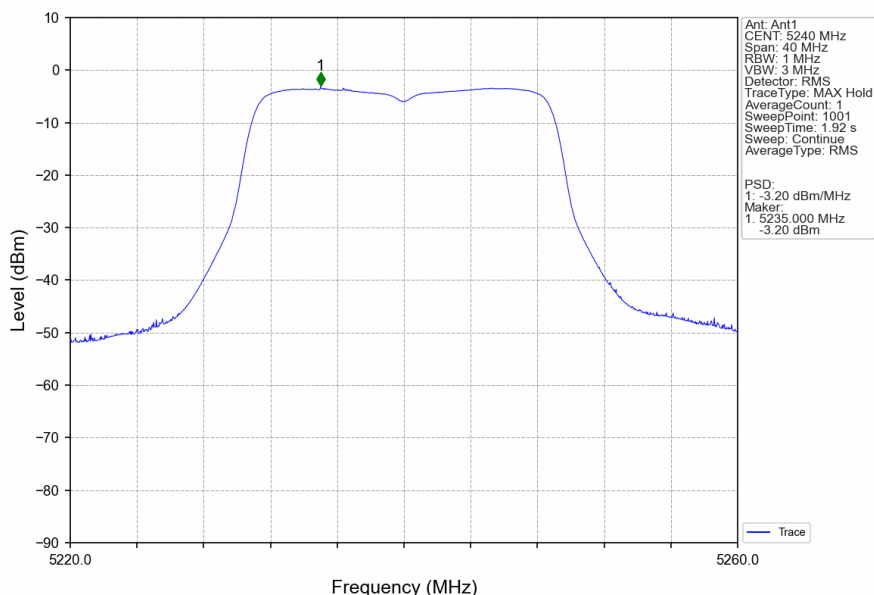
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



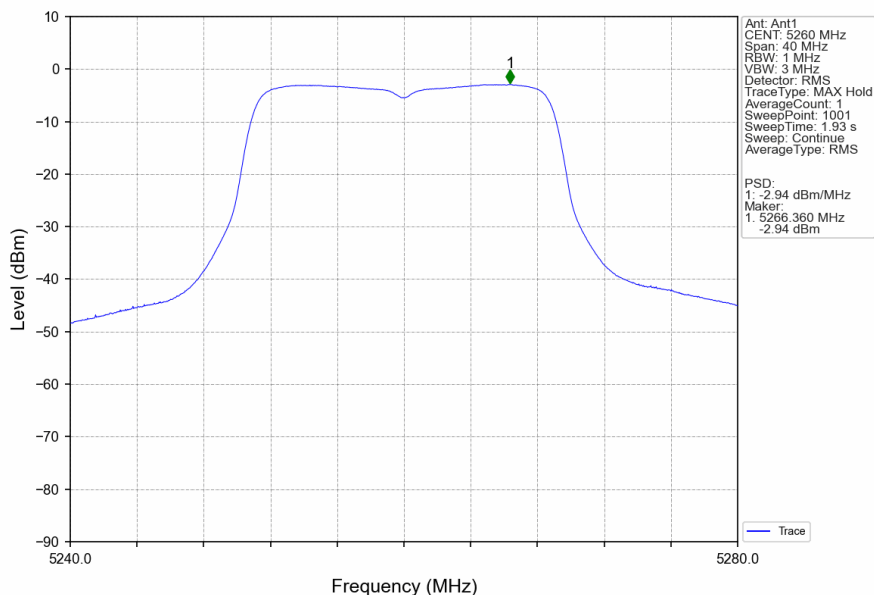
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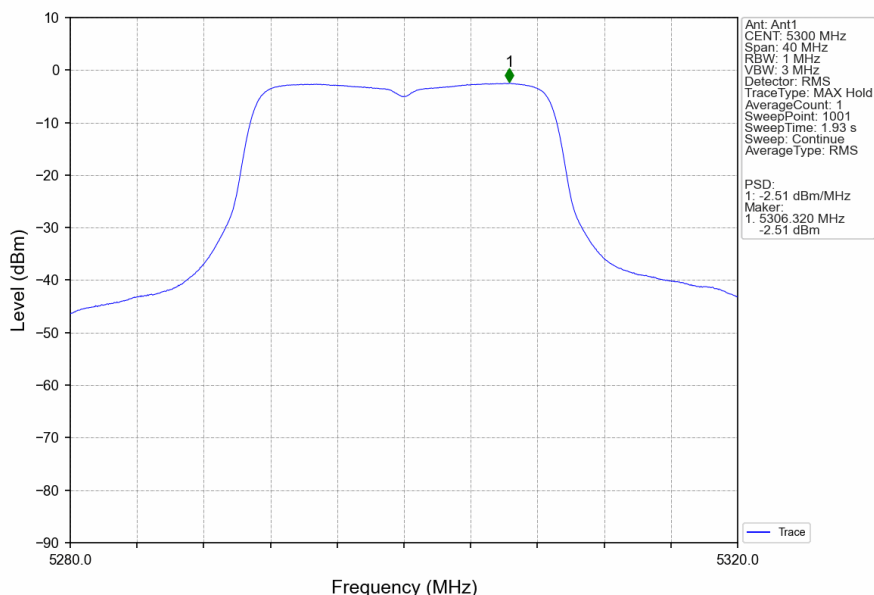
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



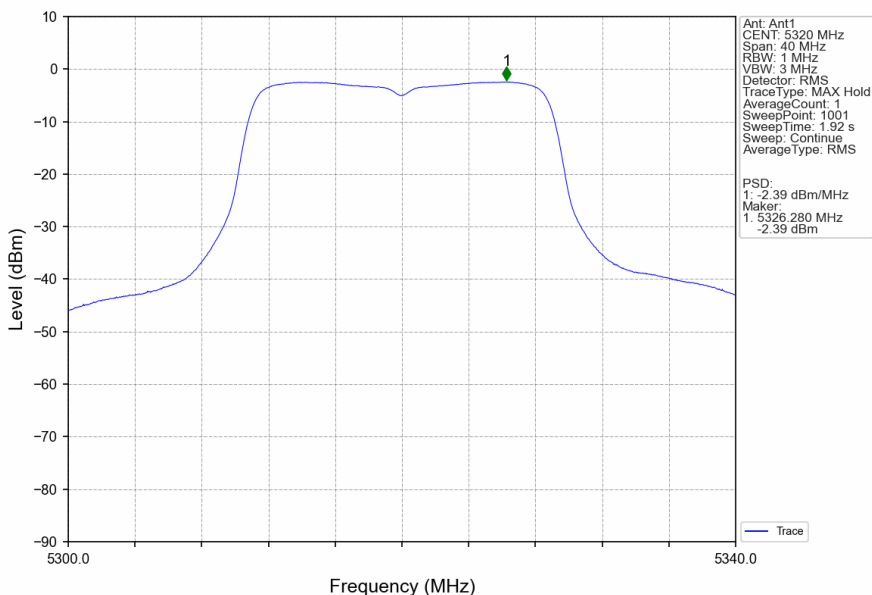
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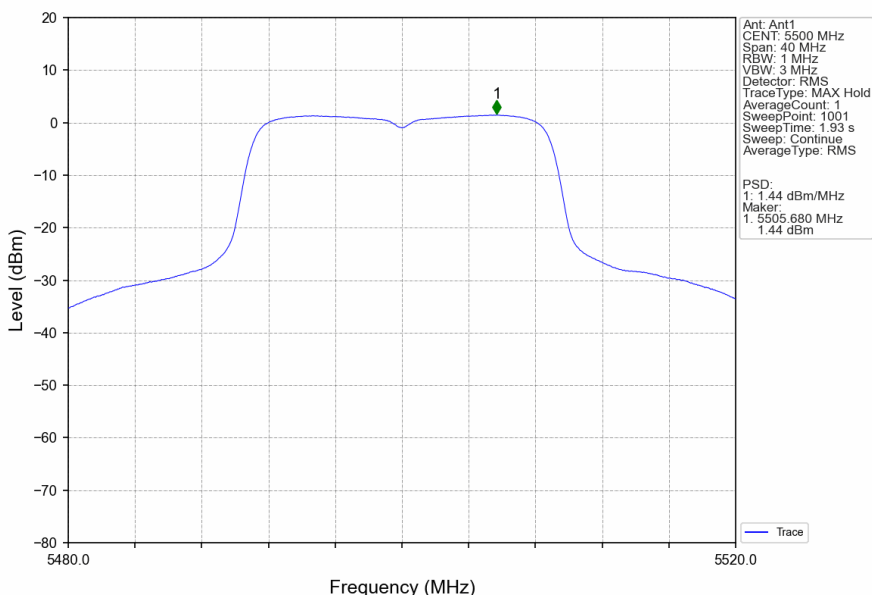
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



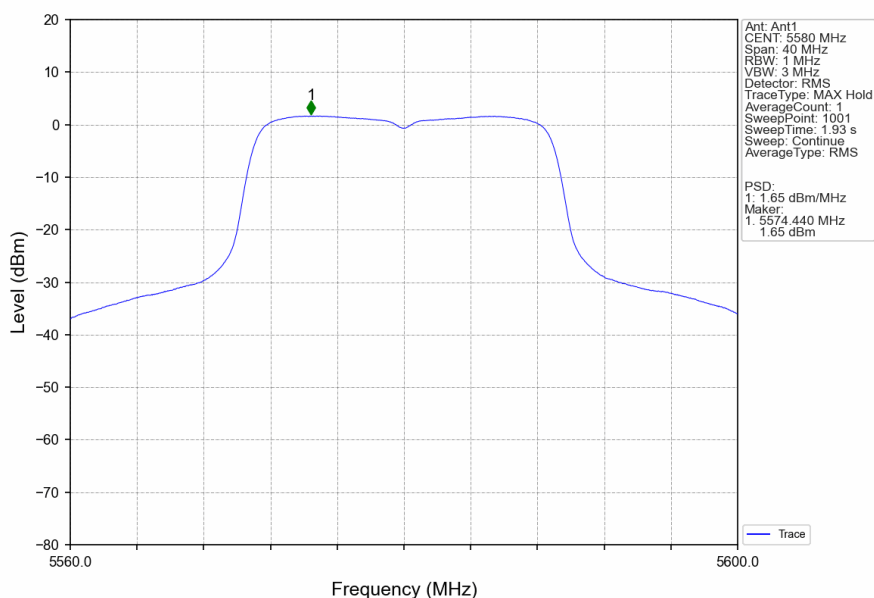
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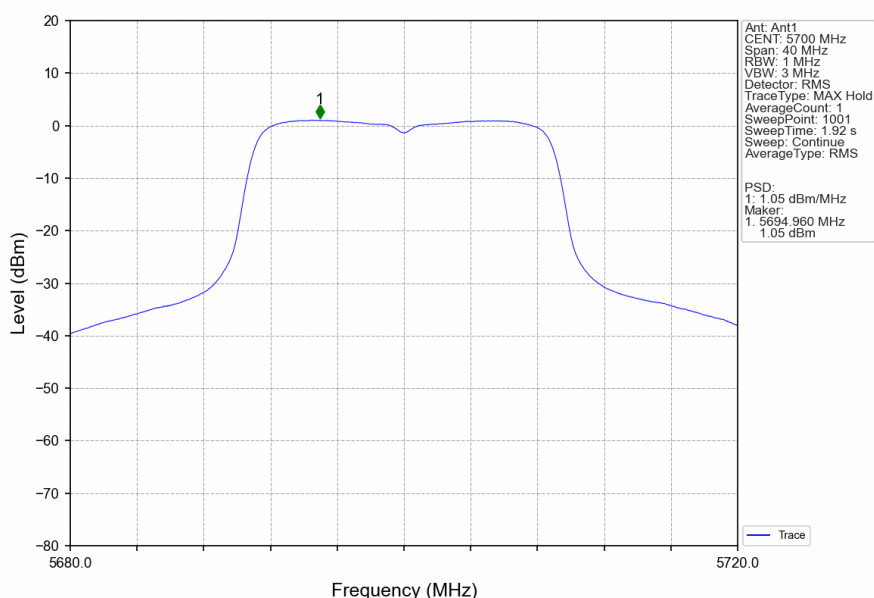
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



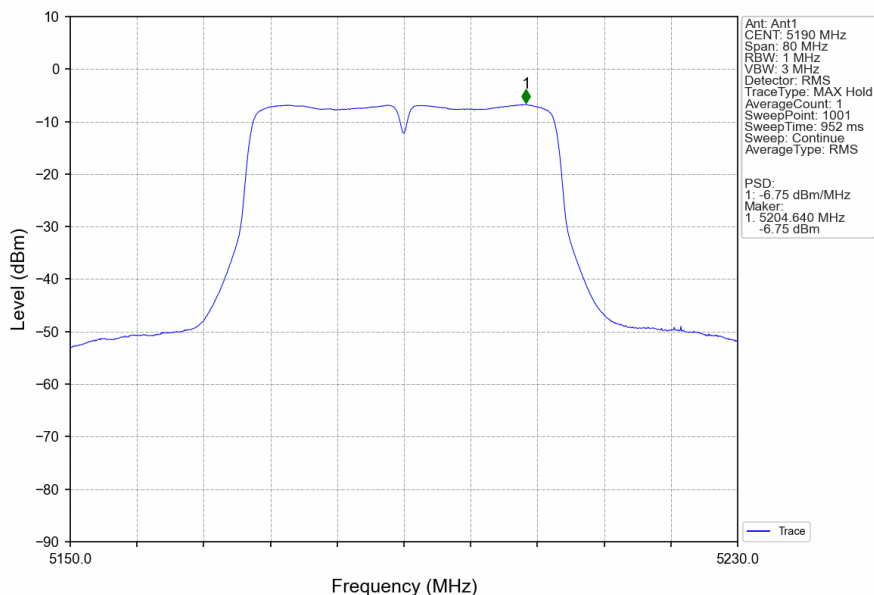
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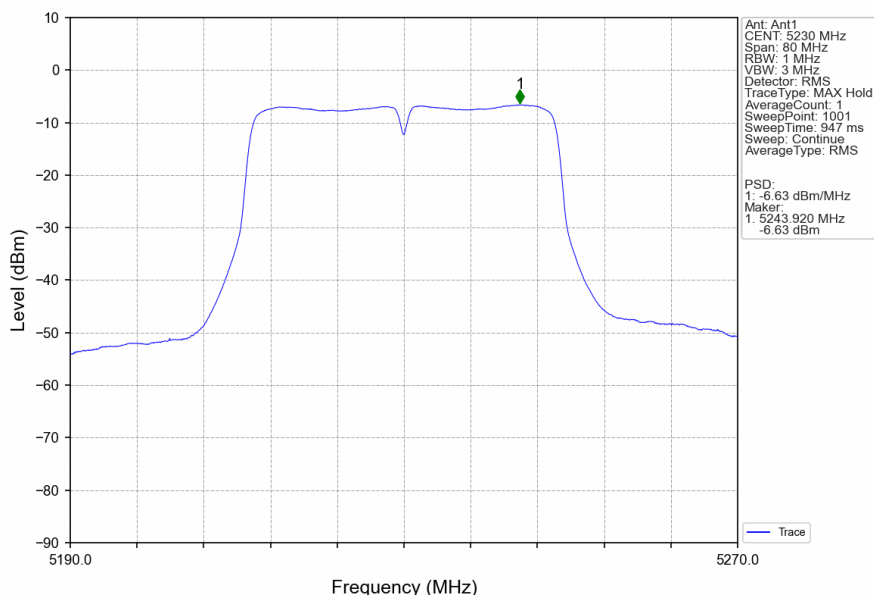
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



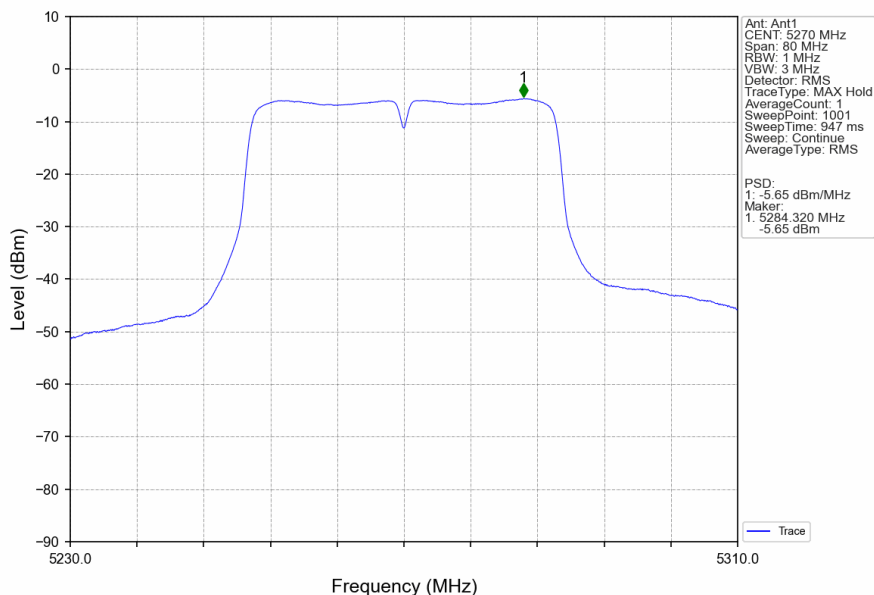
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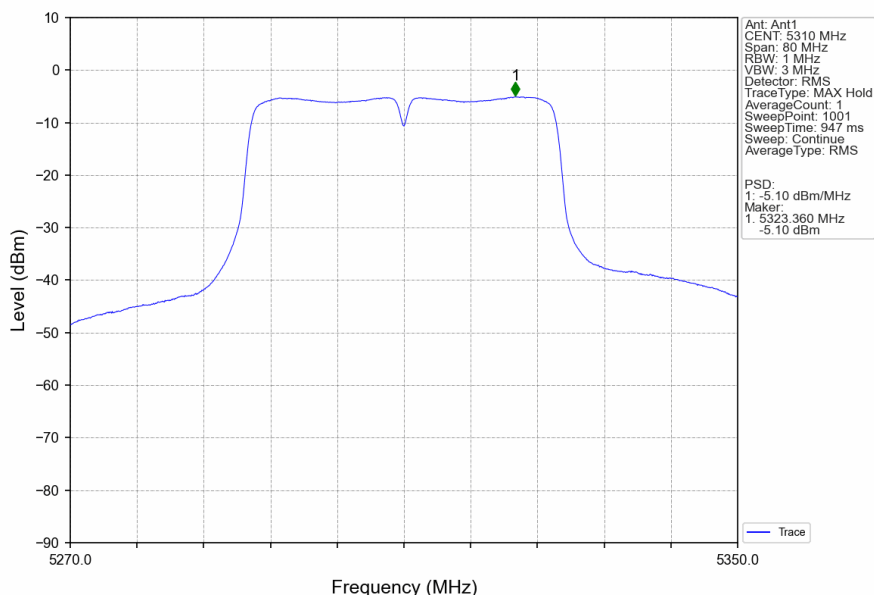
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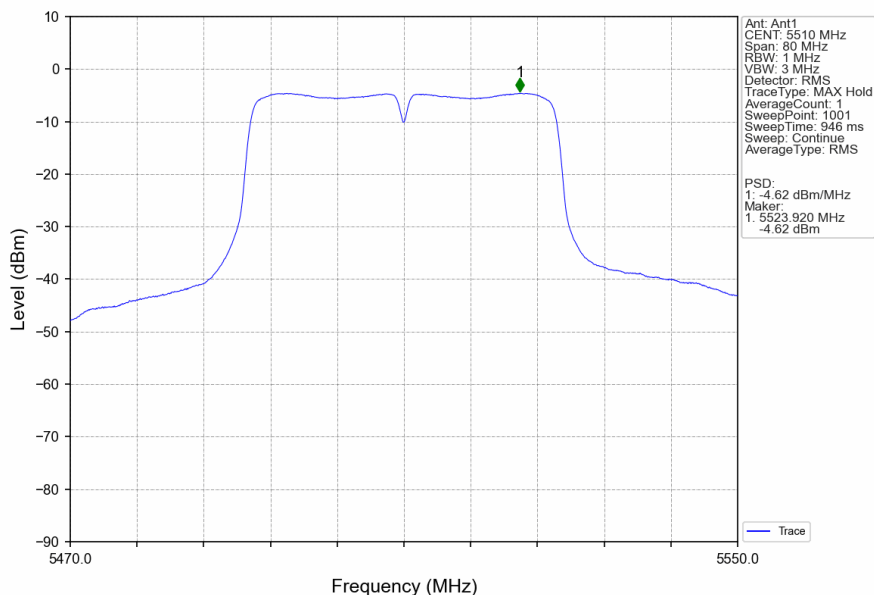
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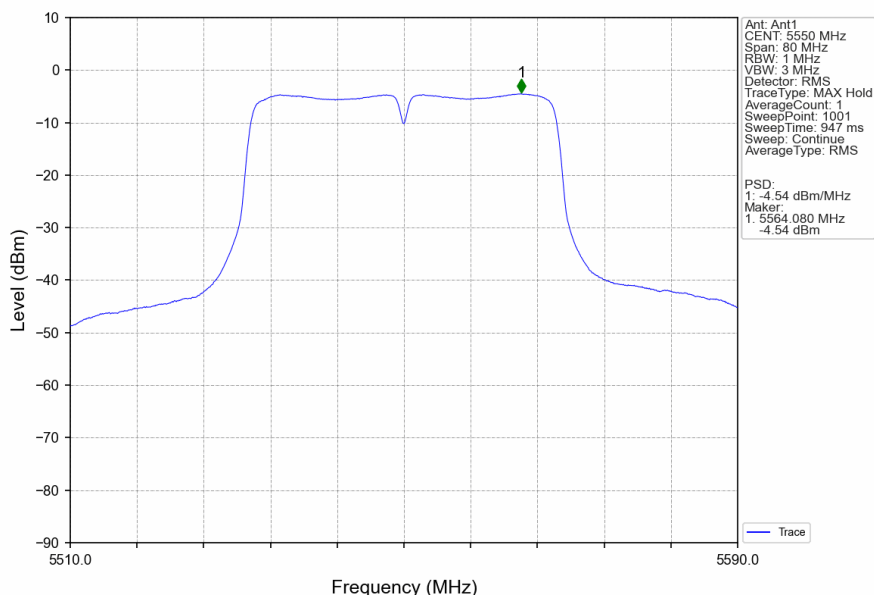
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



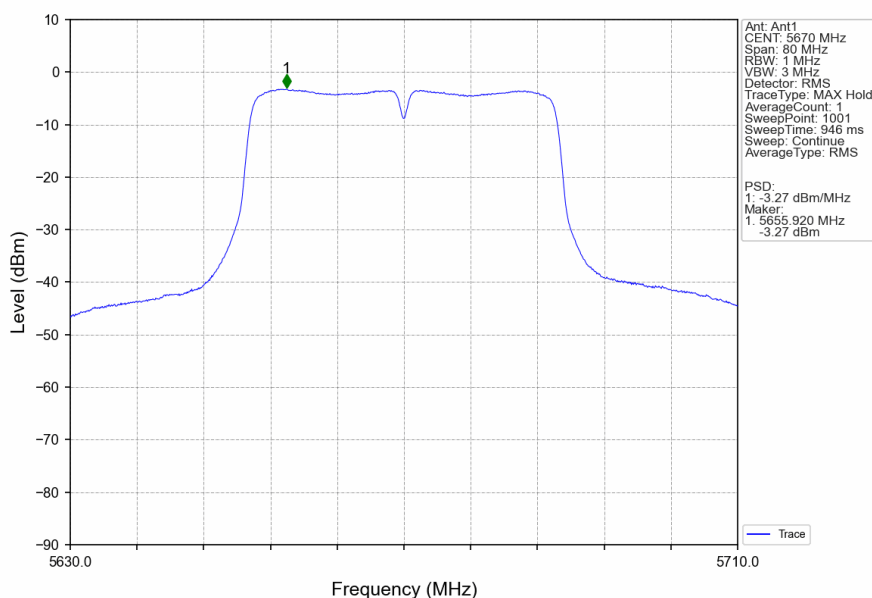
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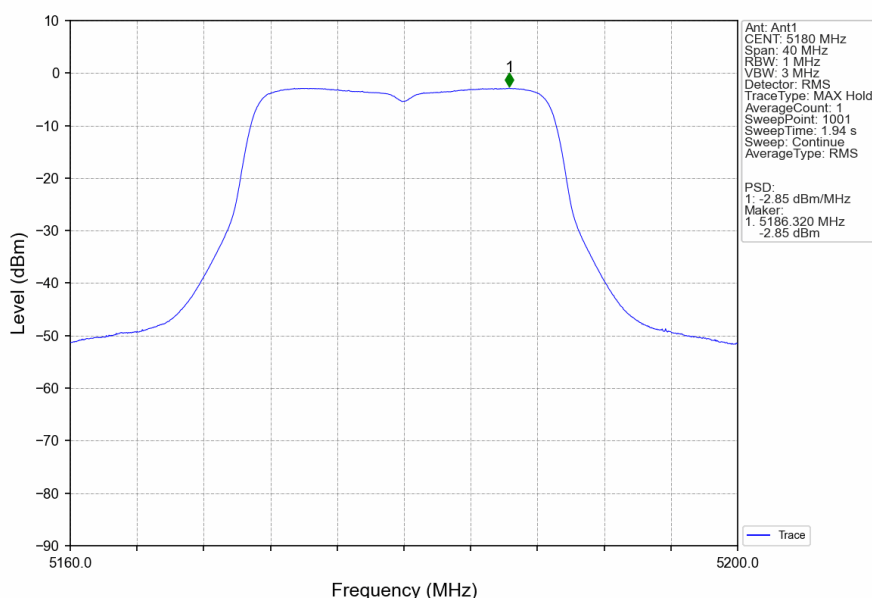
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



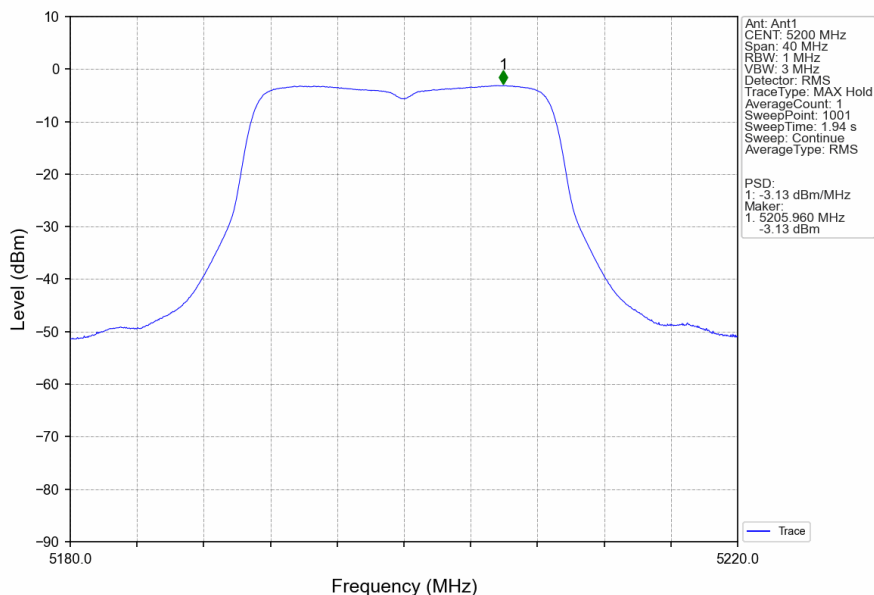
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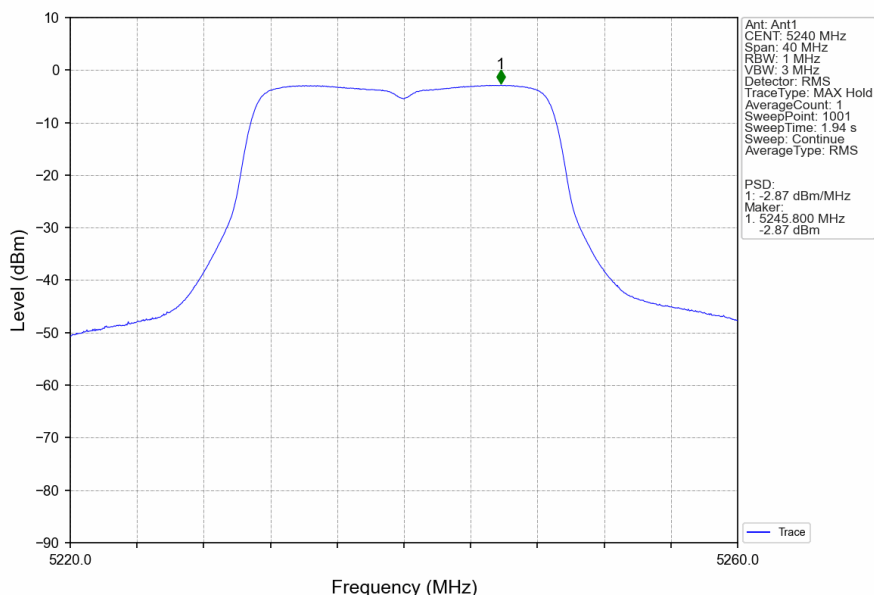
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



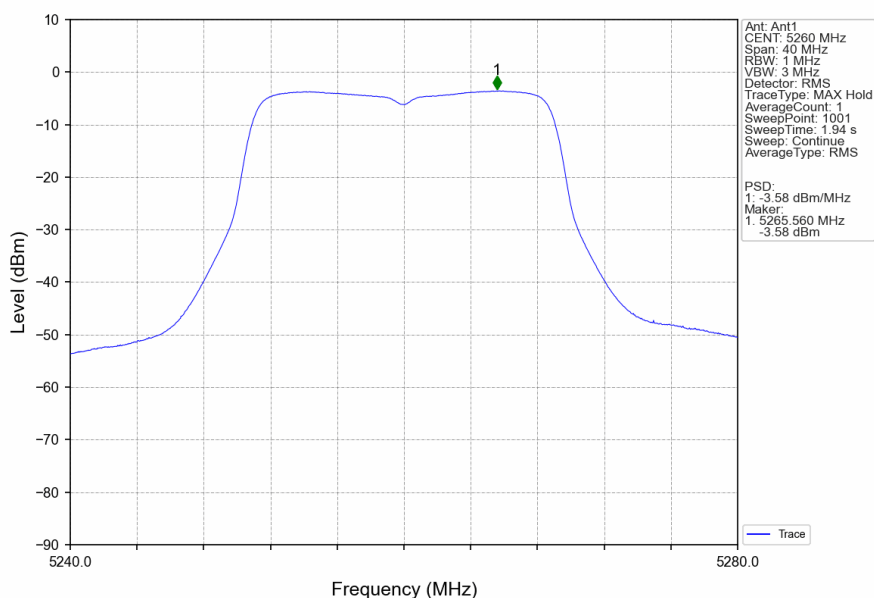
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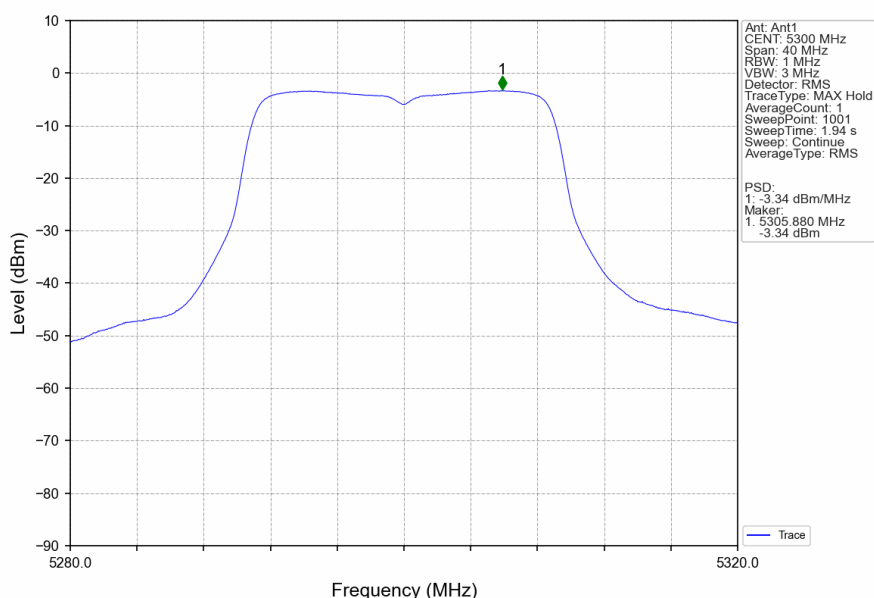
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



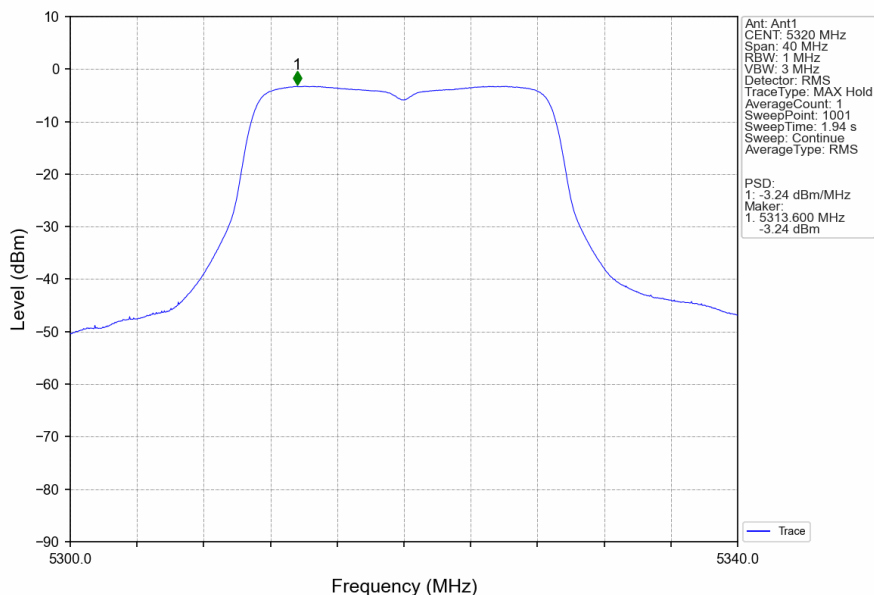
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



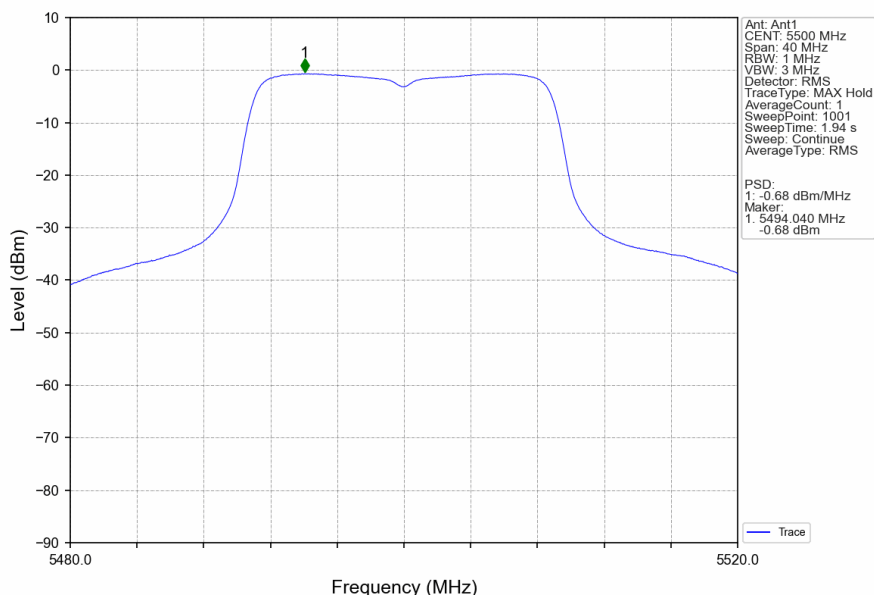
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



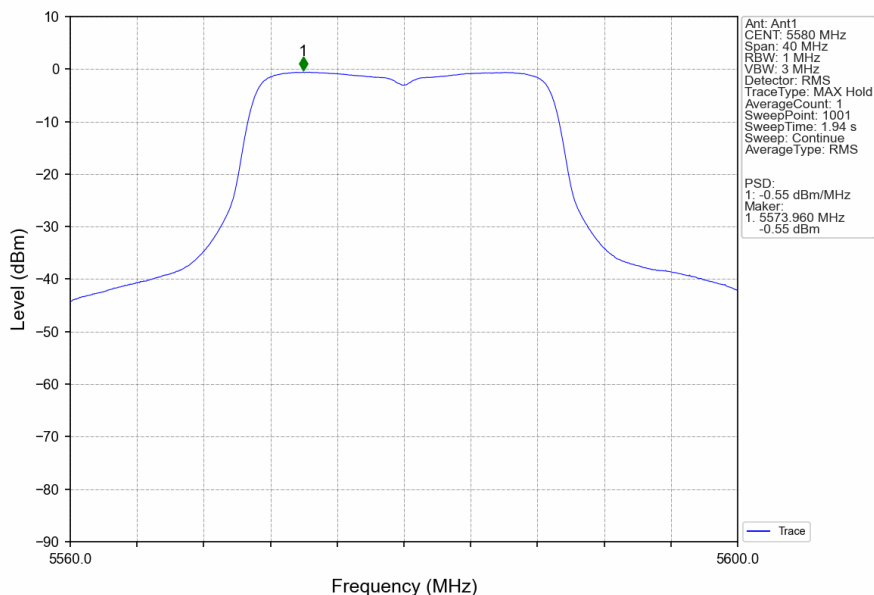
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



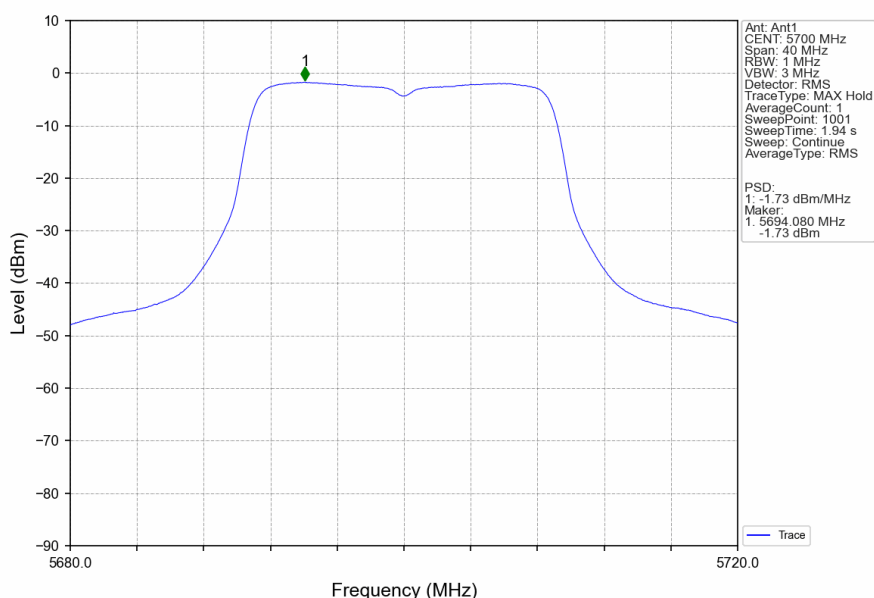
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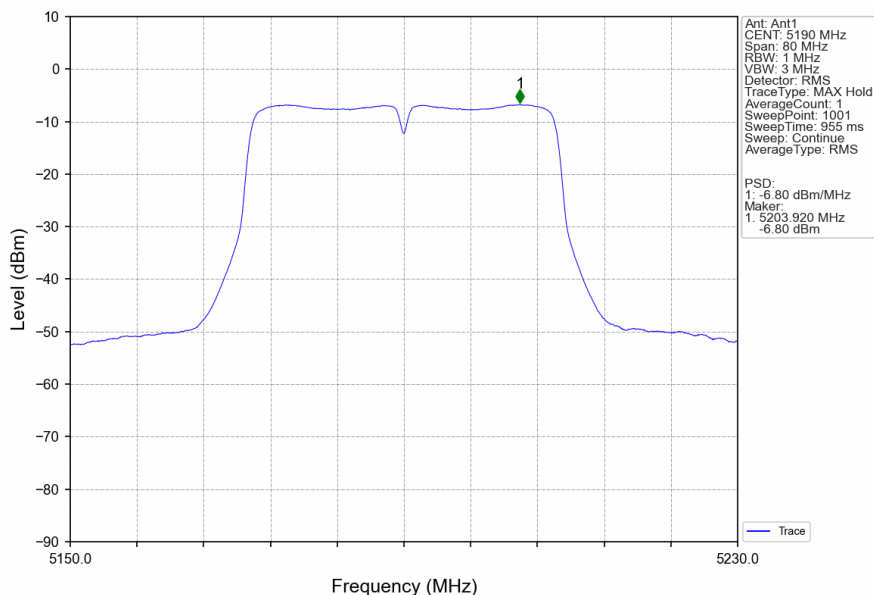
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



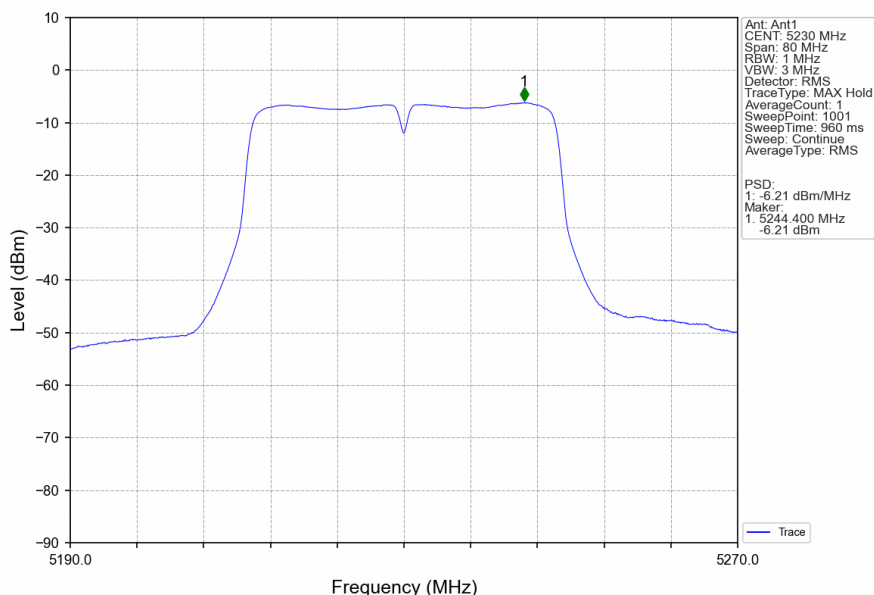
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



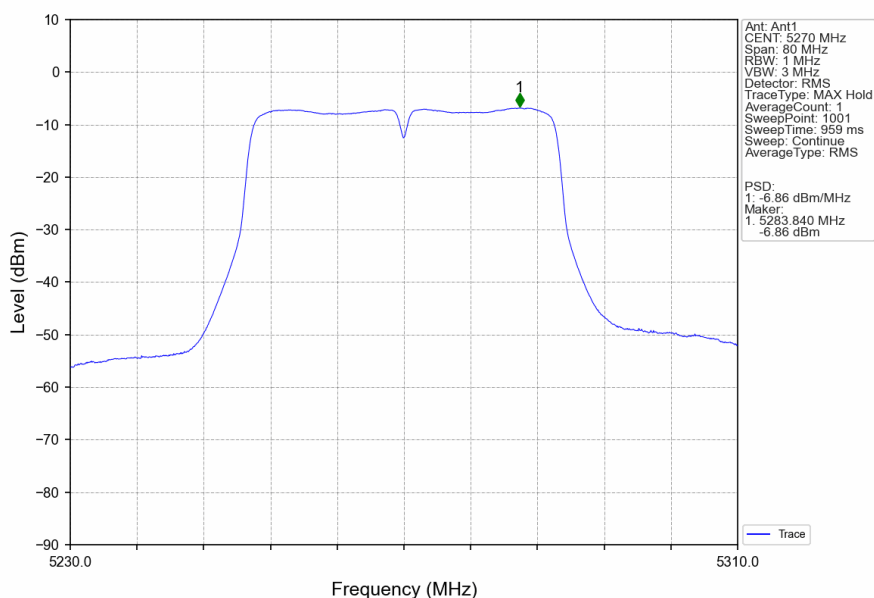
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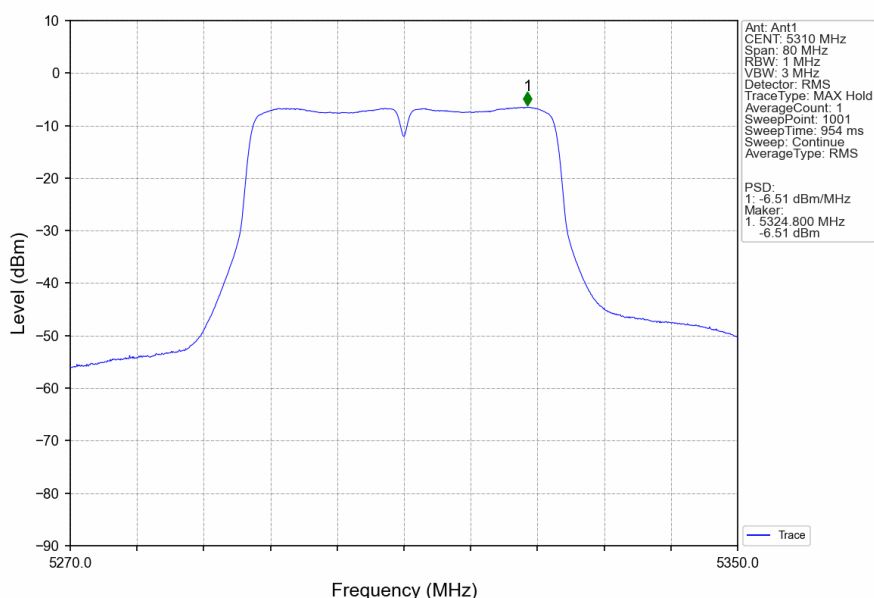
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802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



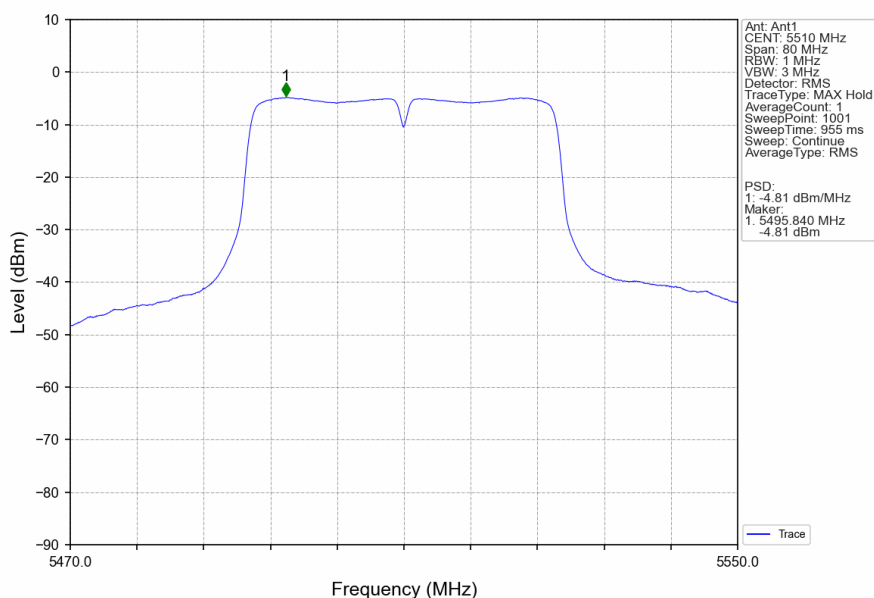
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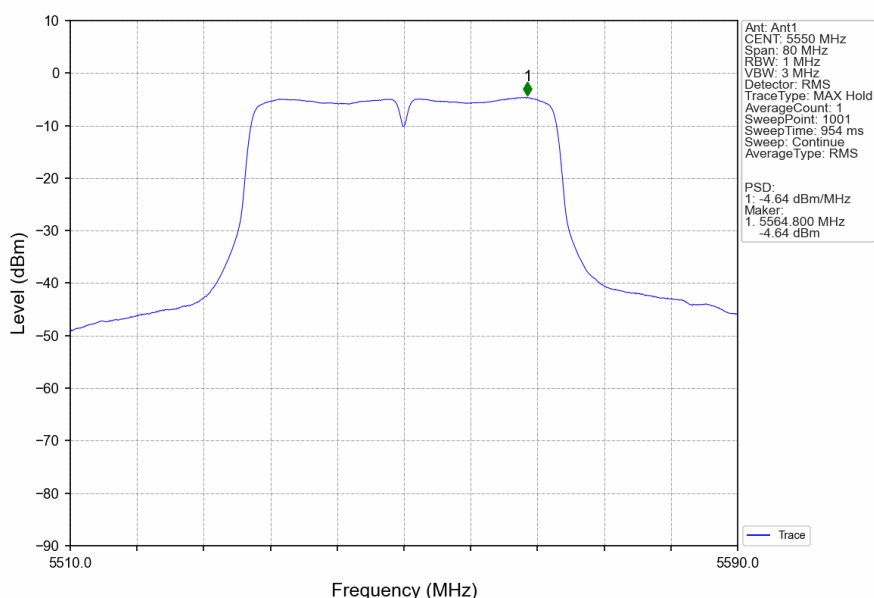
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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



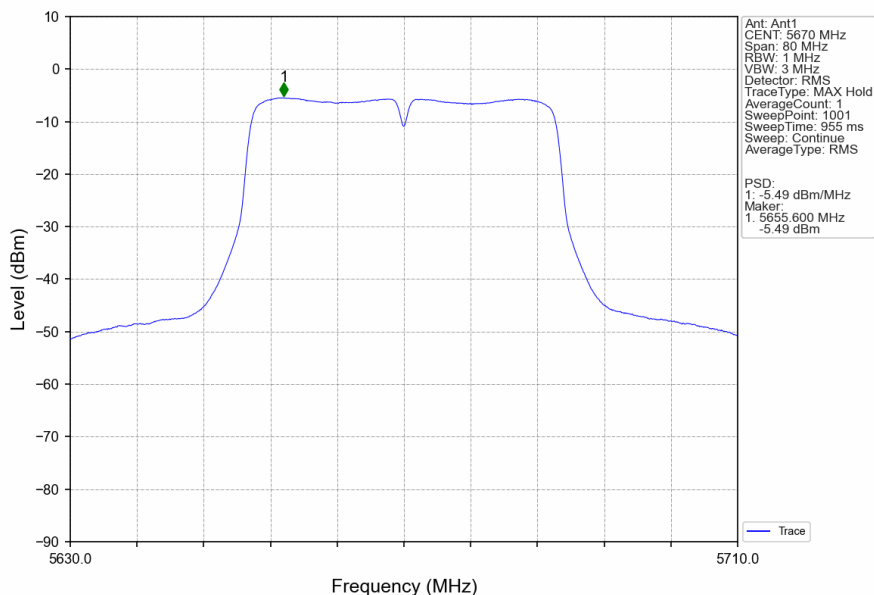
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



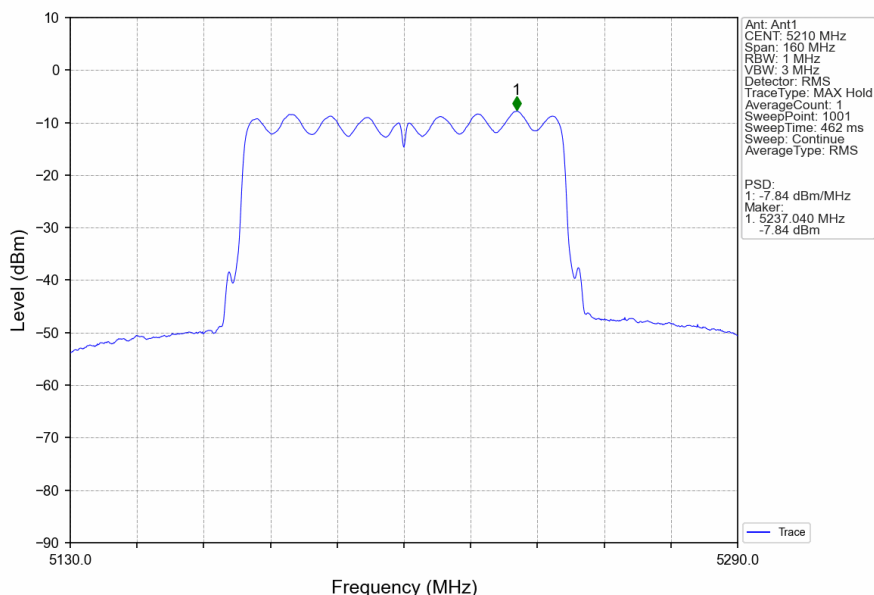
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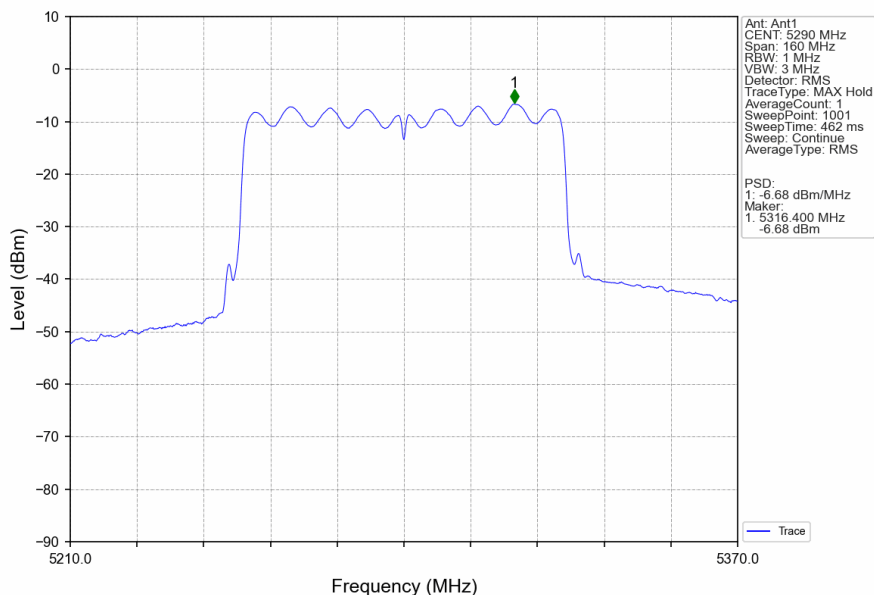
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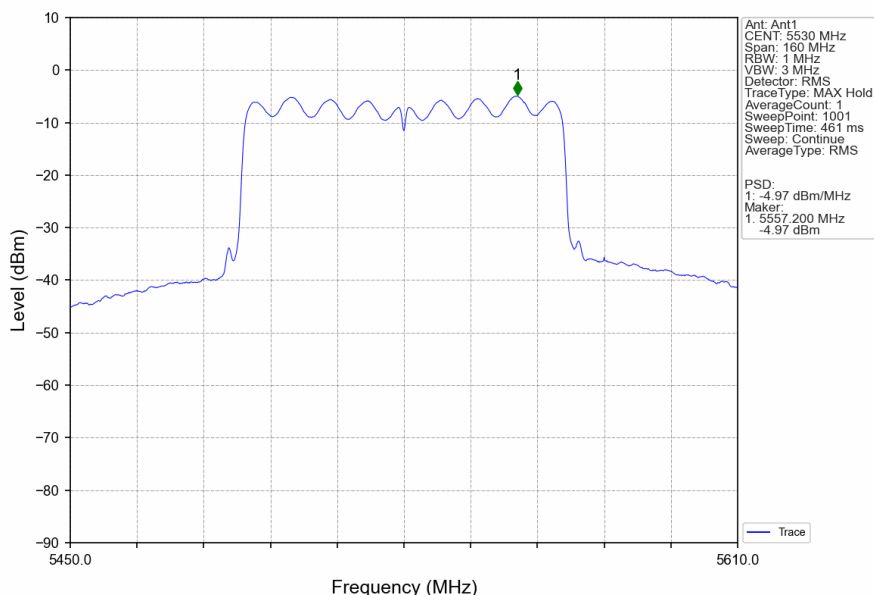
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



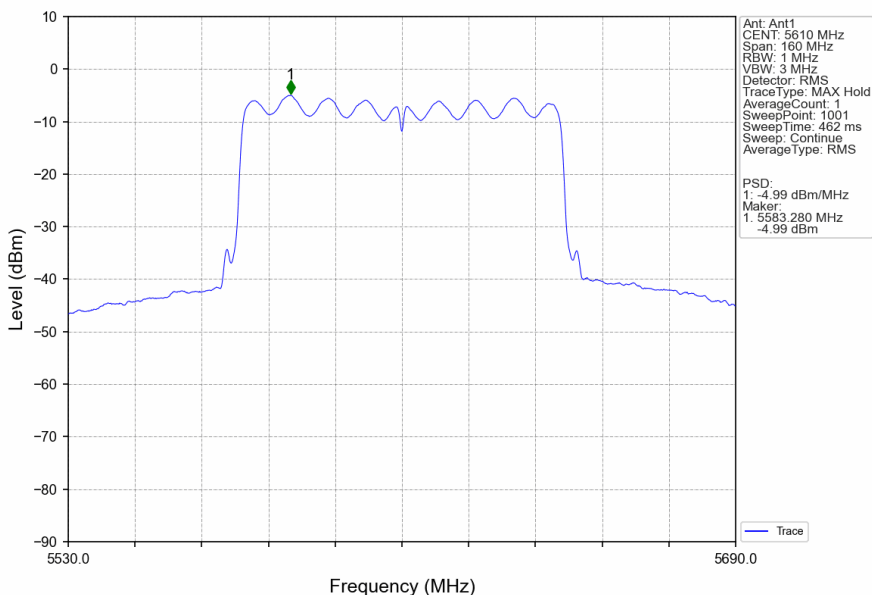
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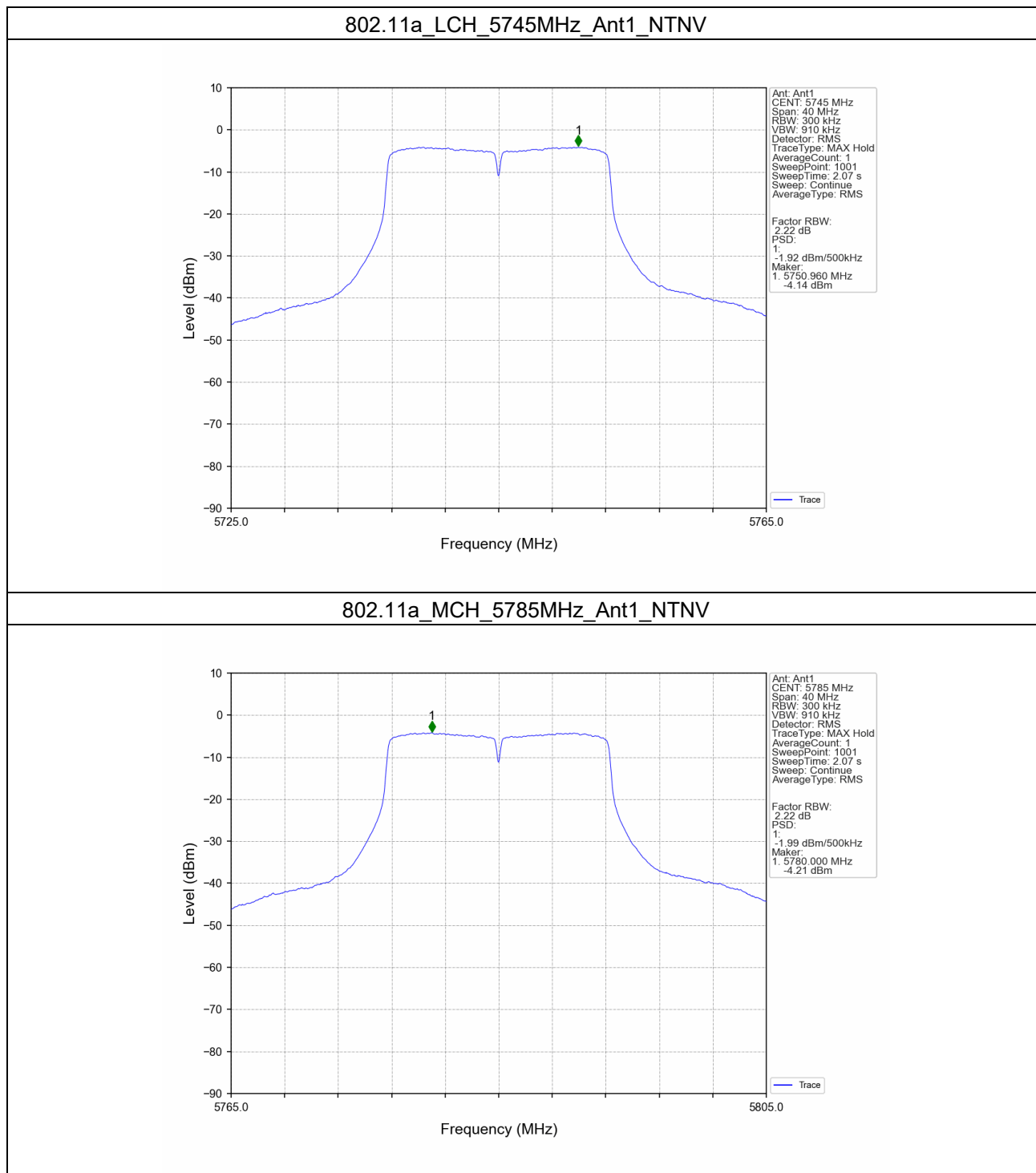
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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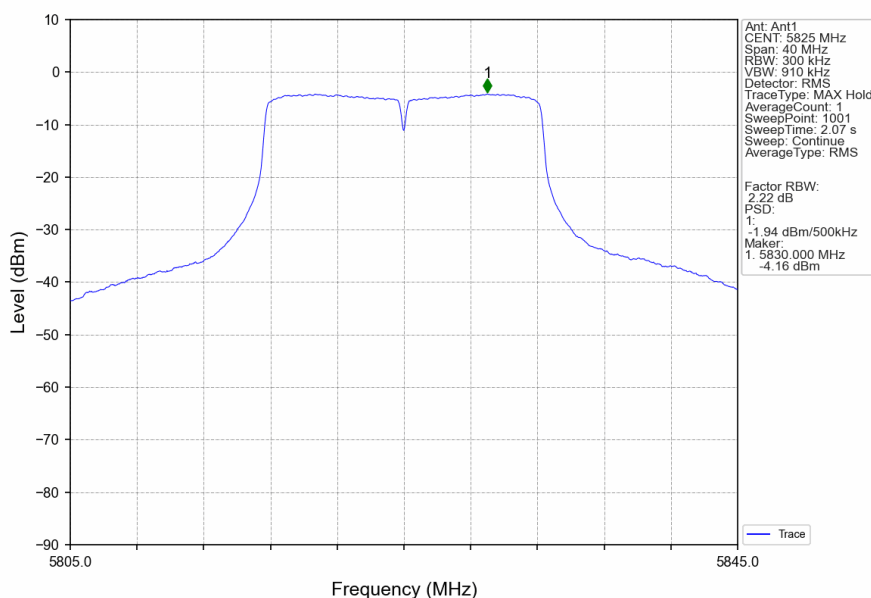
4.2.2 PSD-Band3



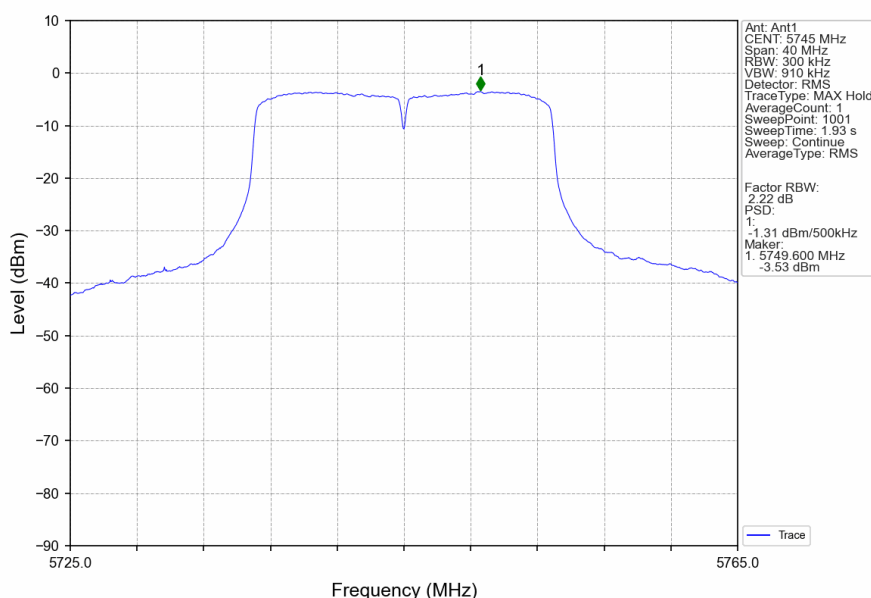
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



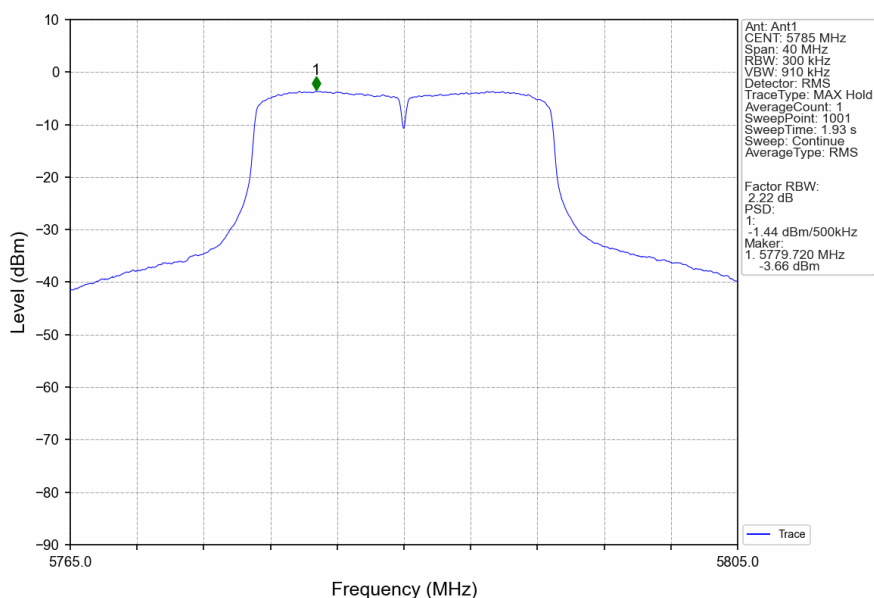
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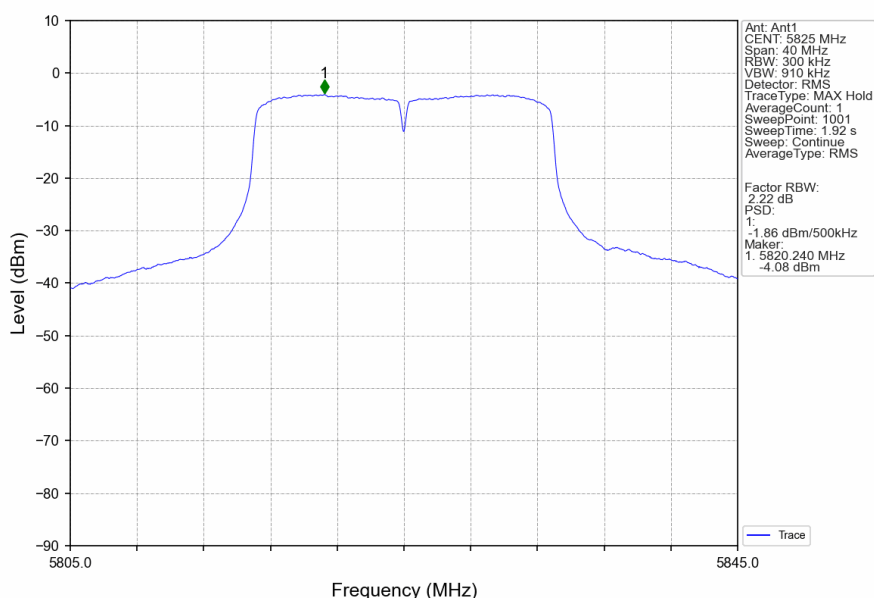
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



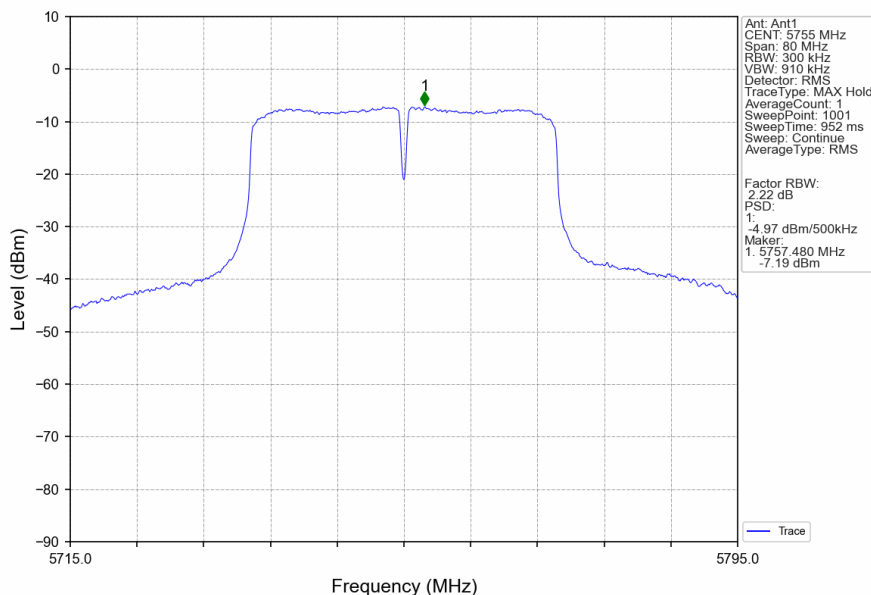
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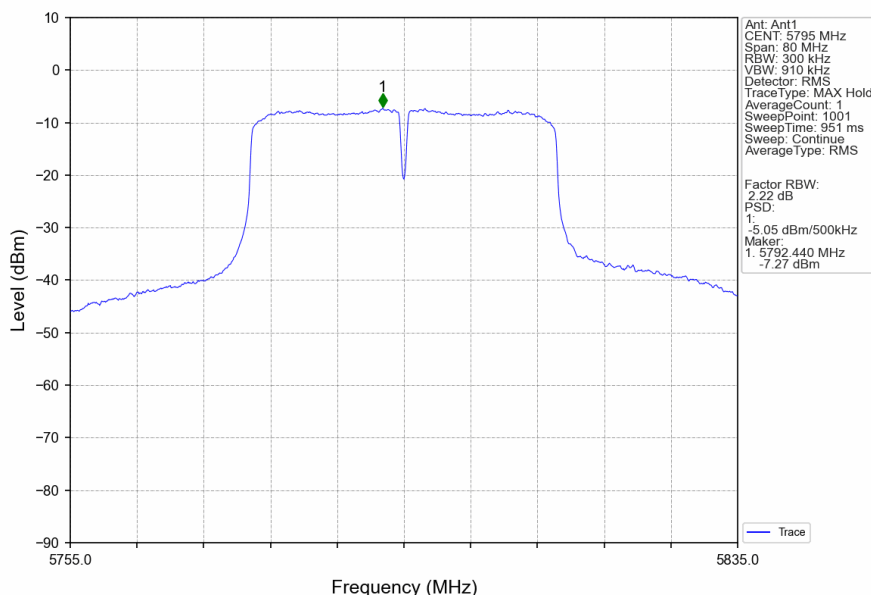
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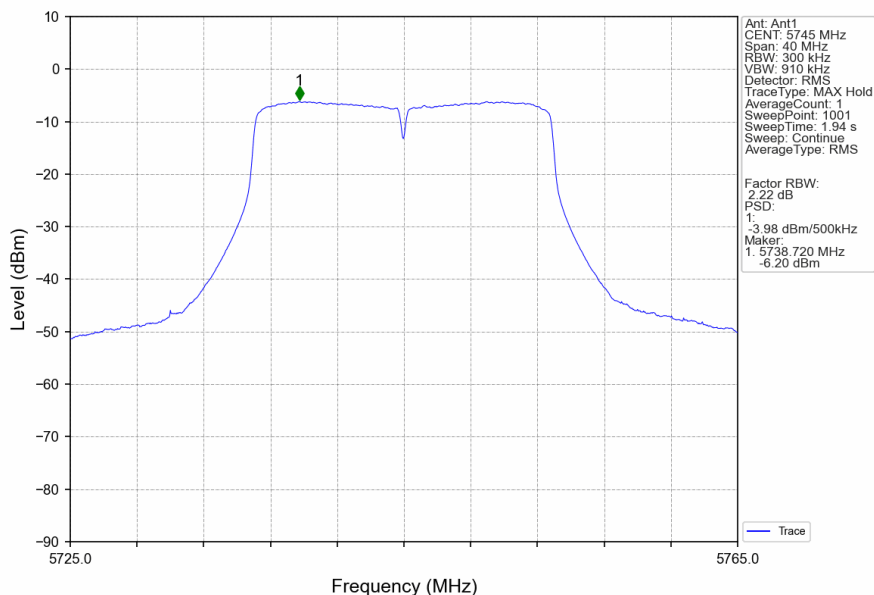
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



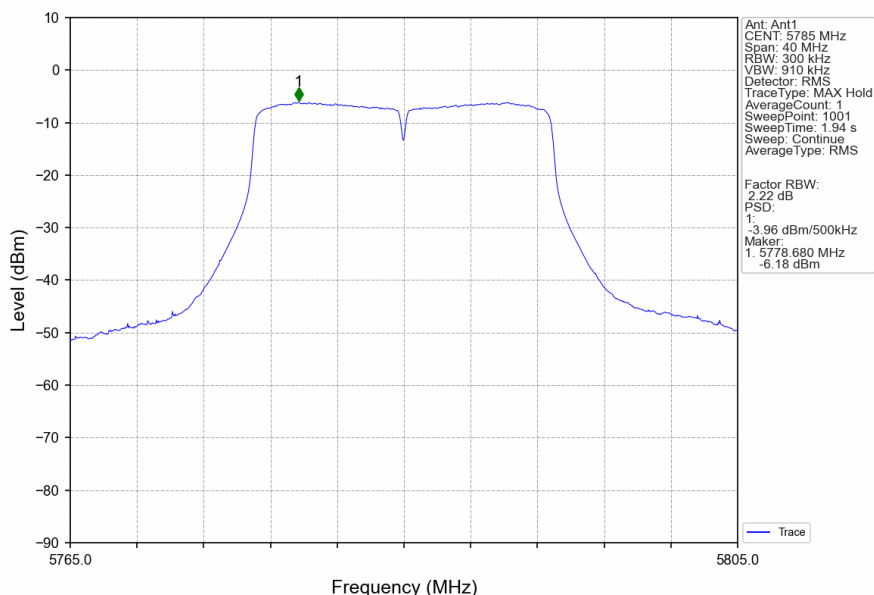
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



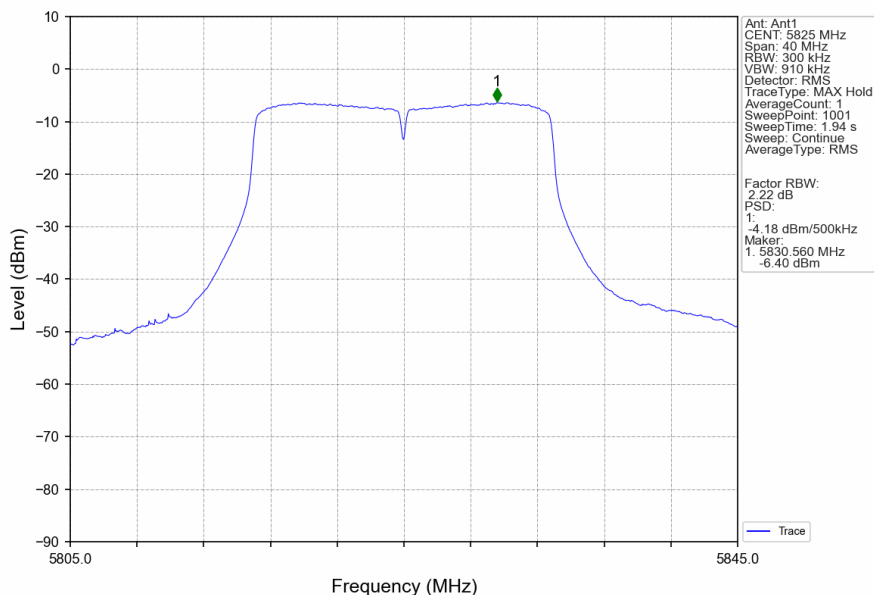
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



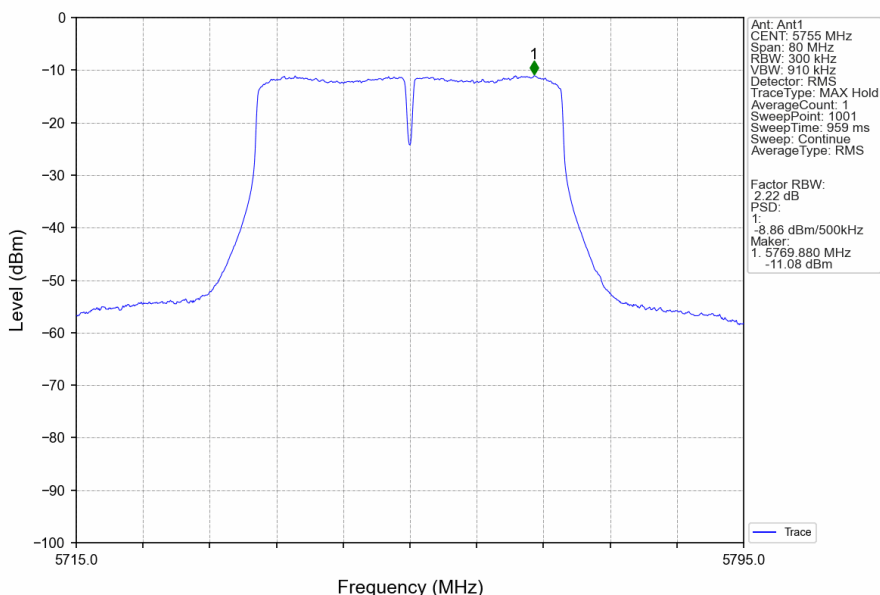
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



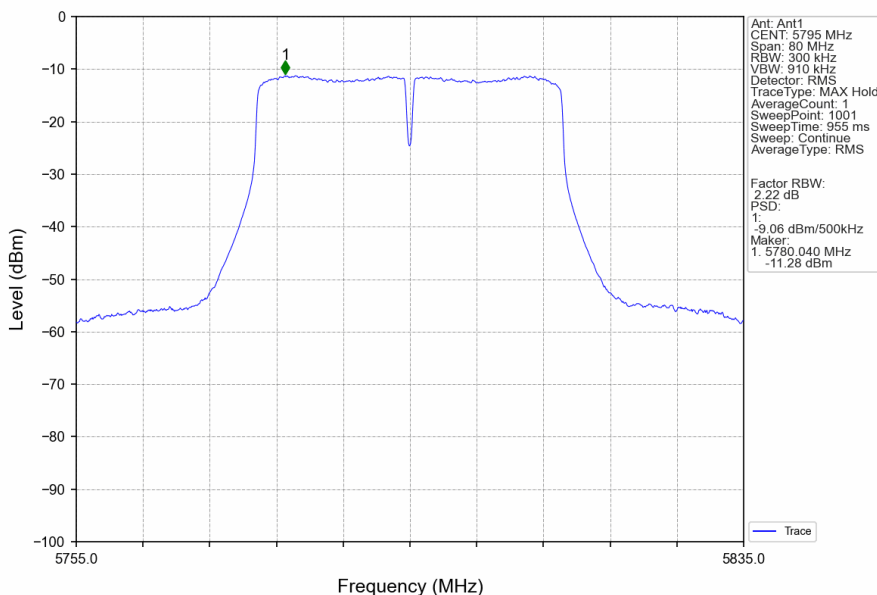
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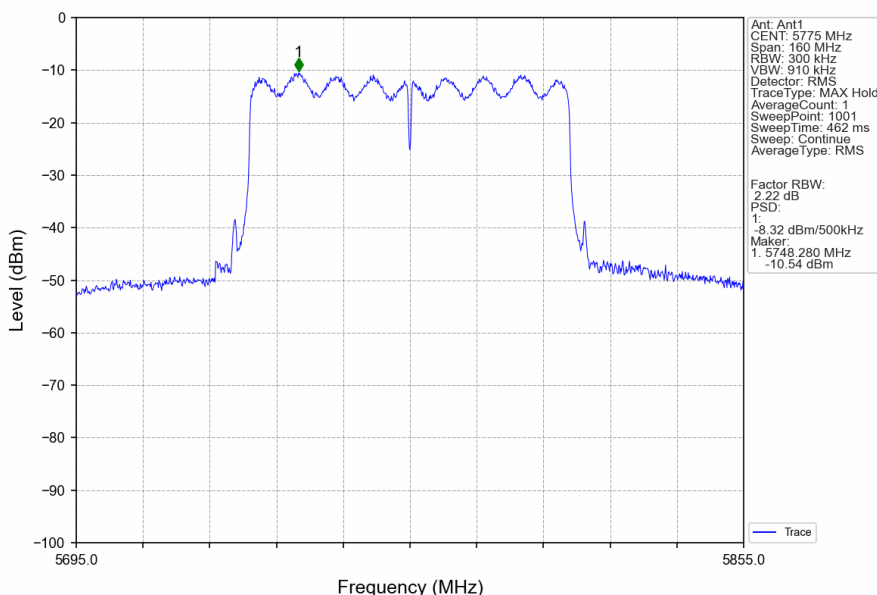
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	12.2	5180.000	5150 to 5250	Pass
				14.4	5180.020	5150 to 5250	Pass
				16.6	5180.020	5150 to 5250	Pass
			-30	14.4	5179.980	5150 to 5250	Pass
			-20	14.4	5179.960	5150 to 5250	Pass
			-10	14.4	5179.980	5150 to 5250	Pass
			0	14.4	5180.000	5150 to 5250	Pass
			10	14.4	5179.960	5150 to 5250	Pass
			30	14.4	5180.020	5150 to 5250	Pass
			40	14.4	5180.000	5150 to 5250	Pass
			50	14.4	5180.000	5150 to 5250	Pass
		5200	20	12.2	5199.940	5150 to 5250	Pass
				14.4	5199.960	5150 to 5250	Pass
				16.6	5200.020	5150 to 5250	Pass
			-30	14.4	5199.940	5150 to 5250	Pass
			-20	14.4	5200.000	5150 to 5250	Pass
			-10	14.4	5199.940	5150 to 5250	Pass
			0	14.4	5200.000	5150 to 5250	Pass
			10	14.4	5200.000	5150 to 5250	Pass
			30	14.4	5199.960	5150 to 5250	Pass
			40	14.4	5199.940	5150 to 5250	Pass
			50	14.4	5199.940	5150 to 5250	Pass
		5240	20	12.2	5240.000	5150 to 5250	Pass
				14.4	5239.980	5150 to 5250	Pass
				16.6	5240.000	5150 to 5250	Pass
			-30	14.4	5239.980	5150 to 5250	Pass
			-20	14.4	5239.980	5150 to 5250	Pass
			-10	14.4	5240.020	5150 to 5250	Pass
			0	14.4	5240.000	5150 to 5250	Pass
			10	14.4	5240.020	5150 to 5250	Pass
			30	14.4	5239.920	5150 to 5250	Pass



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			40	14.4	5239.940	5150 to 5250	Pass
			50	14.4	5239.960	5150 to 5250	Pass
		5260	20	12.2	5260.020	5250 to 5350	Pass
				14.4	5260.020	5250 to 5350	Pass
				16.6	5259.960	5250 to 5350	Pass
			-30	14.4	5260.060	5250 to 5350	Pass
			-20	14.4	5260.000	5250 to 5350	Pass
			-10	14.4	5259.960	5250 to 5350	Pass
			0	14.4	5260.000	5250 to 5350	Pass
			10	14.4	5260.000	5250 to 5350	Pass
			30	14.4	5259.940	5250 to 5350	Pass
			40	14.4	5259.960	5250 to 5350	Pass
			50	14.4	5259.980	5250 to 5350	Pass
		5300	20	12.2	5300.000	5250 to 5350	Pass
				14.4	5299.980	5250 to 5350	Pass
				16.6	5299.960	5250 to 5350	Pass
			-30	14.4	5299.980	5250 to 5350	Pass
			-20	14.4	5300.020	5250 to 5350	Pass
			-10	14.4	5299.960	5250 to 5350	Pass
			0	14.4	5300.000	5250 to 5350	Pass
			10	14.4	5299.980	5250 to 5350	Pass
			30	14.4	5299.980	5250 to 5350	Pass
			40	14.4	5300.000	5250 to 5350	Pass
			50	14.4	5299.980	5250 to 5350	Pass
		5320	20	12.2	5319.980	5250 to 5350	Pass
				14.4	5319.960	5250 to 5350	Pass
				16.6	5320.000	5250 to 5350	Pass
			-30	14.4	5319.920	5250 to 5350	Pass
			-20	14.4	5320.000	5250 to 5350	Pass
			-10	14.4	5319.940	5250 to 5350	Pass
			0	14.4	5319.940	5250 to 5350	Pass
			10	14.4	5319.980	5250 to 5350	Pass
			30	14.4	5320.040	5250 to 5350	Pass
			40	14.4	5320.000	5250 to 5350	Pass
			50	14.4	5320.000	5250 to 5350	Pass
		5500	20	12.2	5500.020	5470 to 5725	Pass
				14.4	5499.960	5470 to 5725	Pass
				16.6	5500.000	5470 to 5725	Pass
			-30	14.4	5499.980	5470 to 5725	Pass
			-20	14.4	5500.000	5470 to 5725	Pass



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