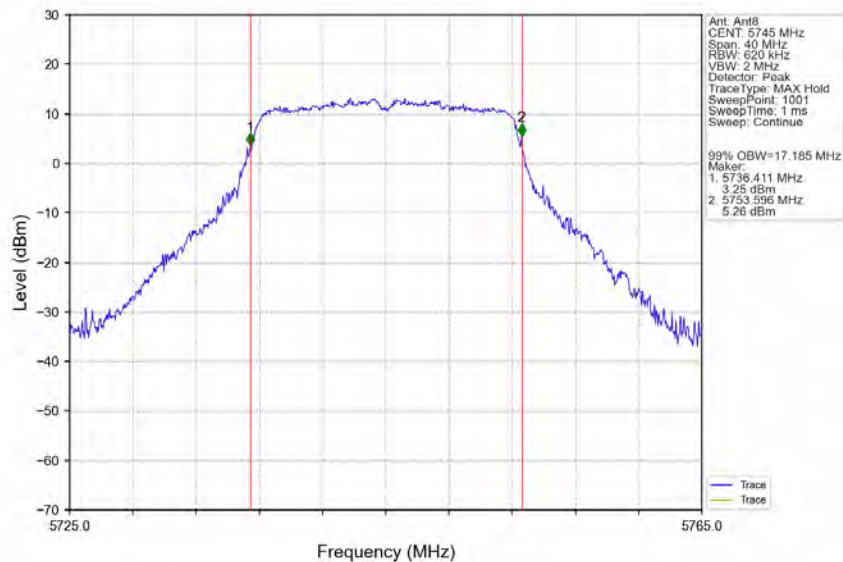
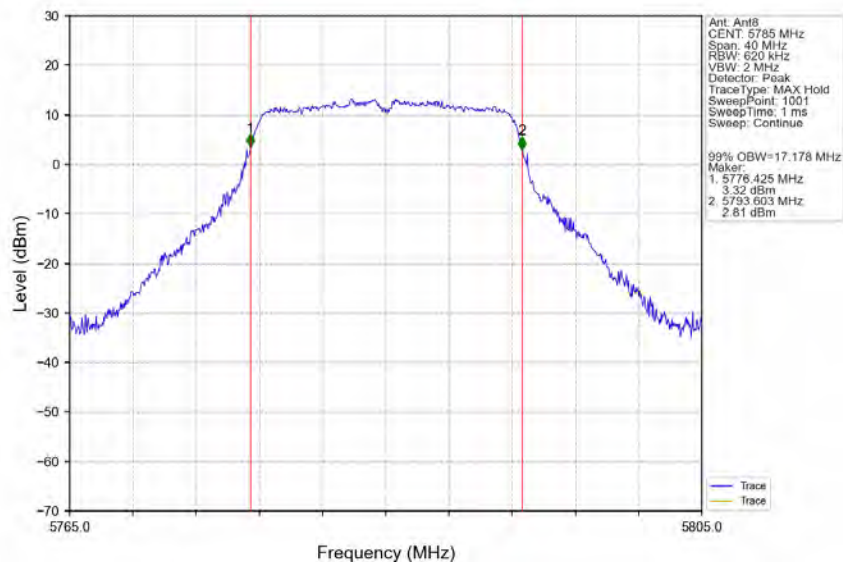


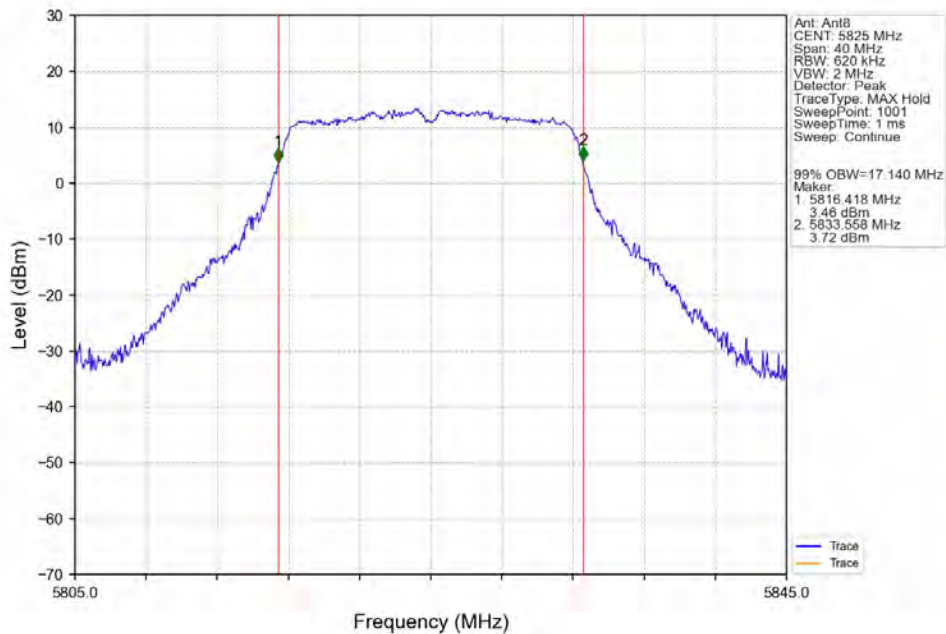
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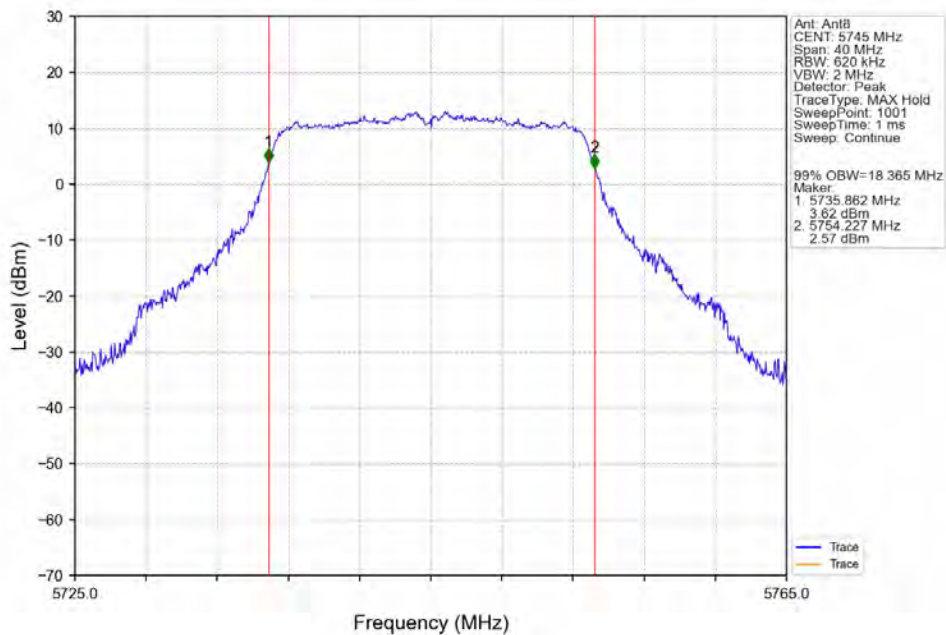
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802.11a_HCH_5825MHz_Ant8_NTNV



802.11n(HT20)_LCH_5745MHz_Ant8_NTNV



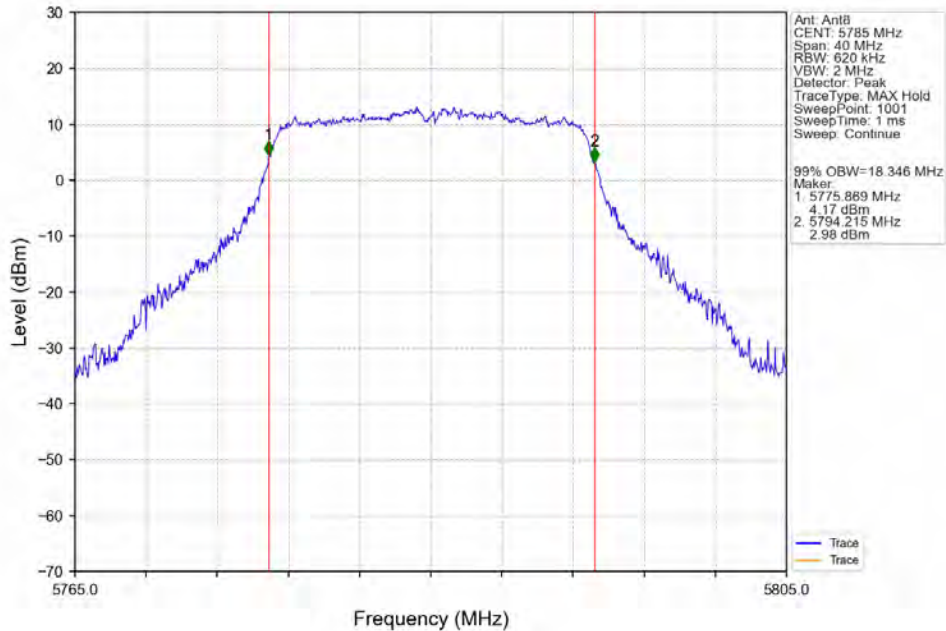
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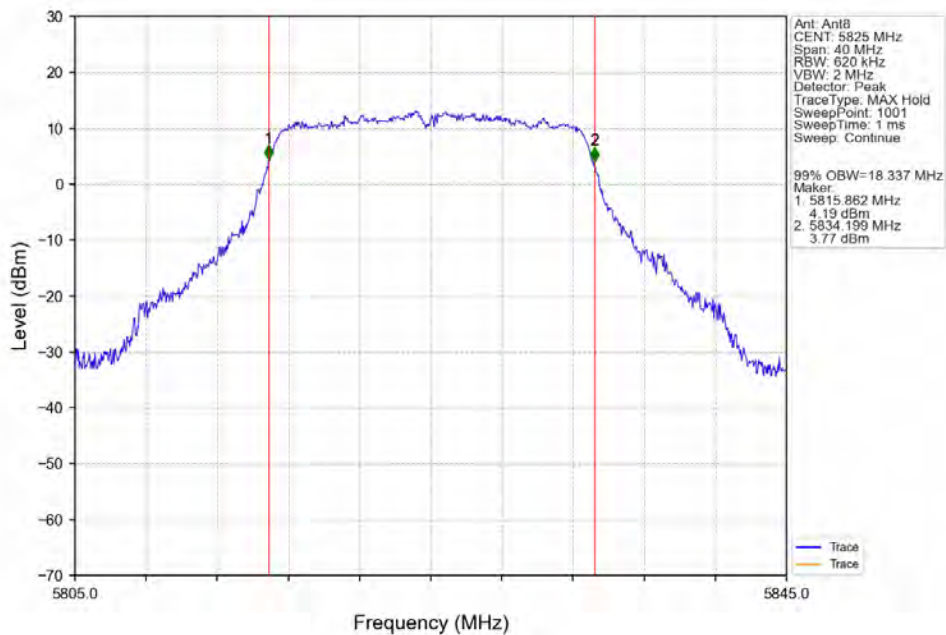
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802.11n(HT20)_MCH_5785MHz_Ant8_NTNV



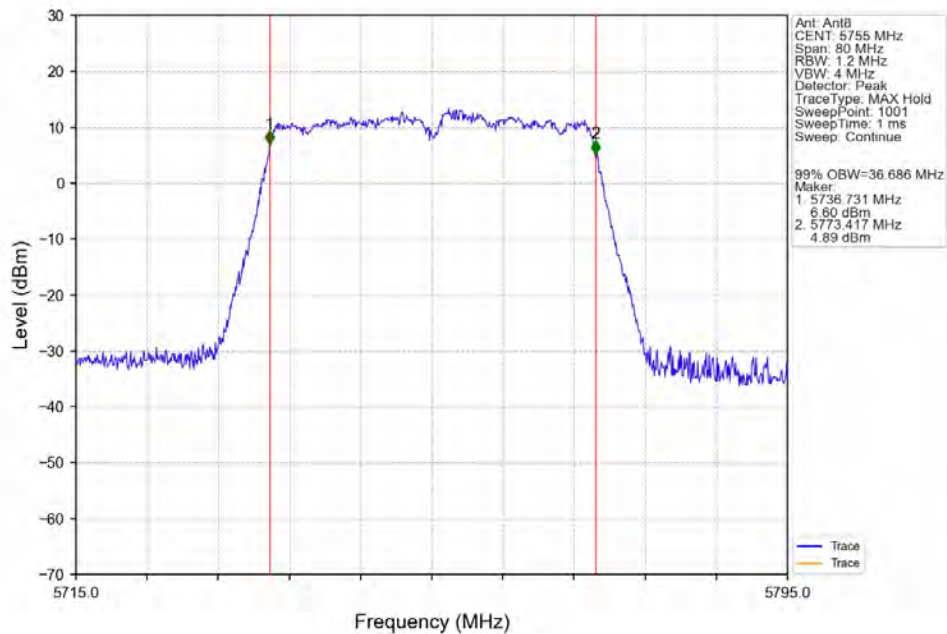
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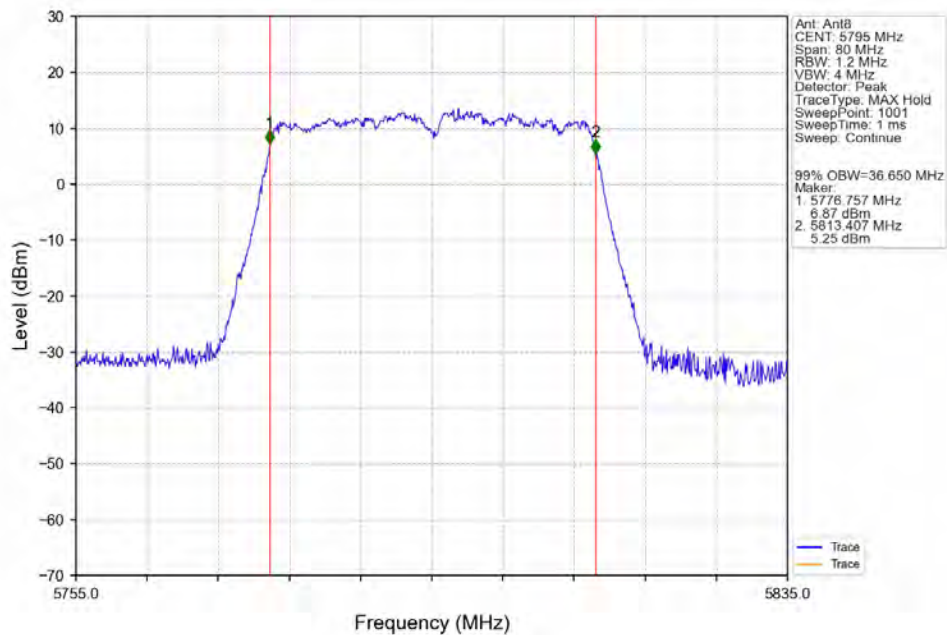
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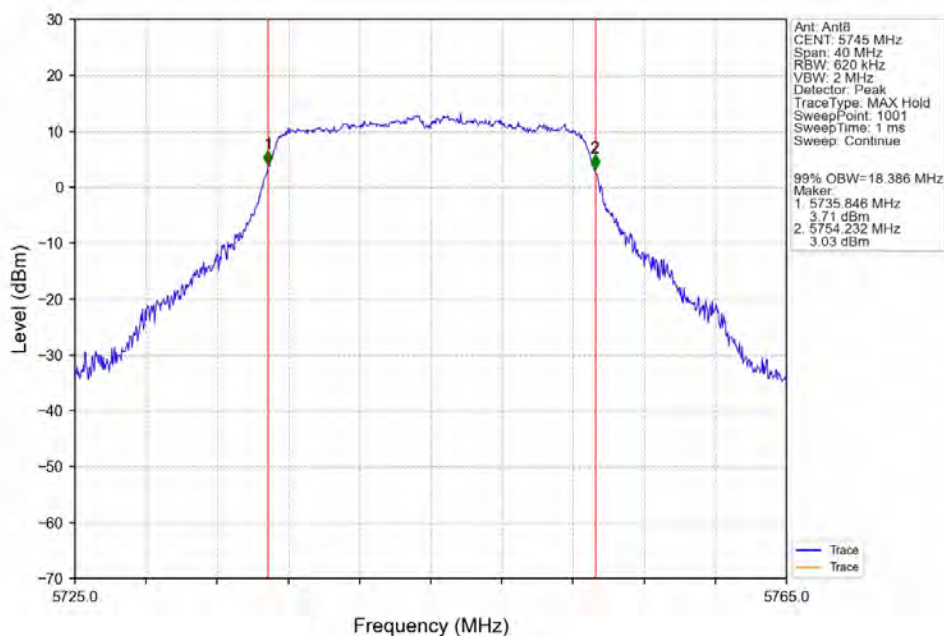
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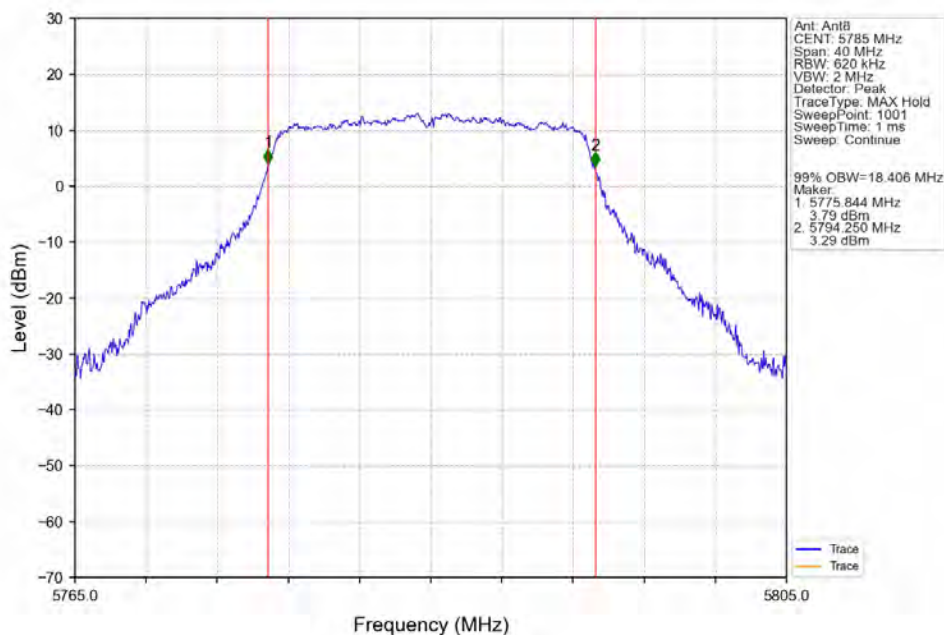
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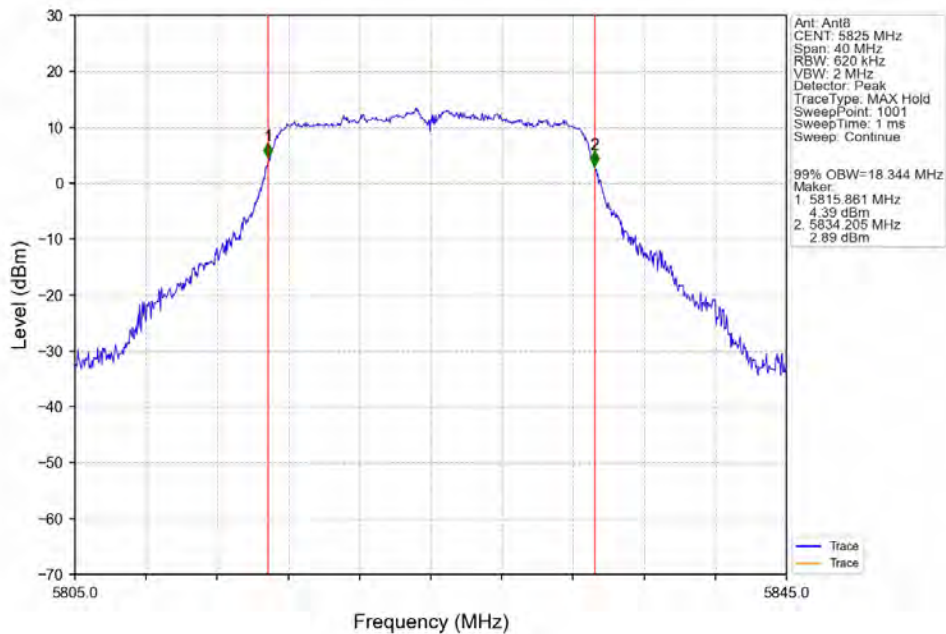
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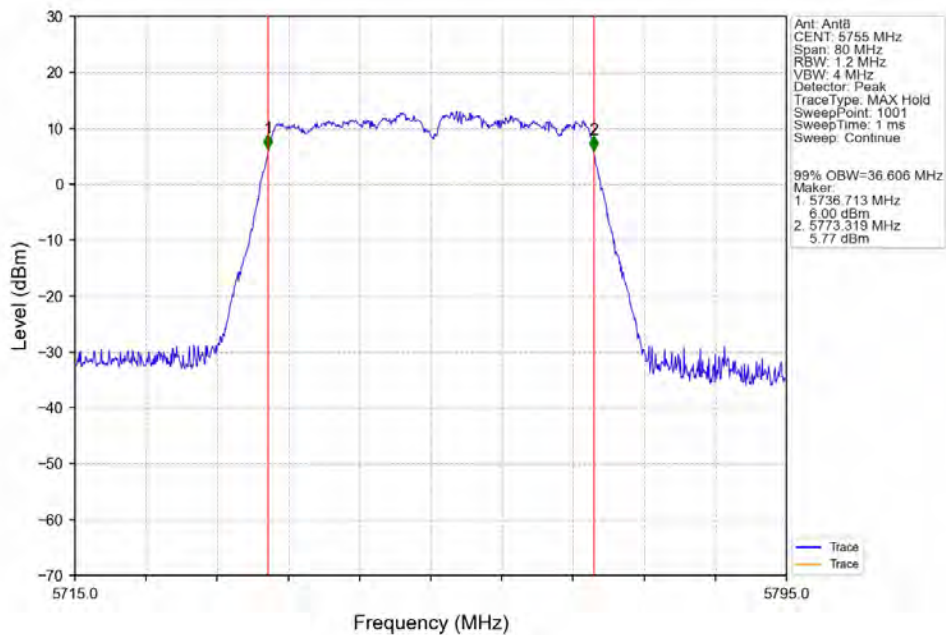
802.11ac(VHT20)_MCH_5785MHz_Ant8_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant8_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant8_NTNV



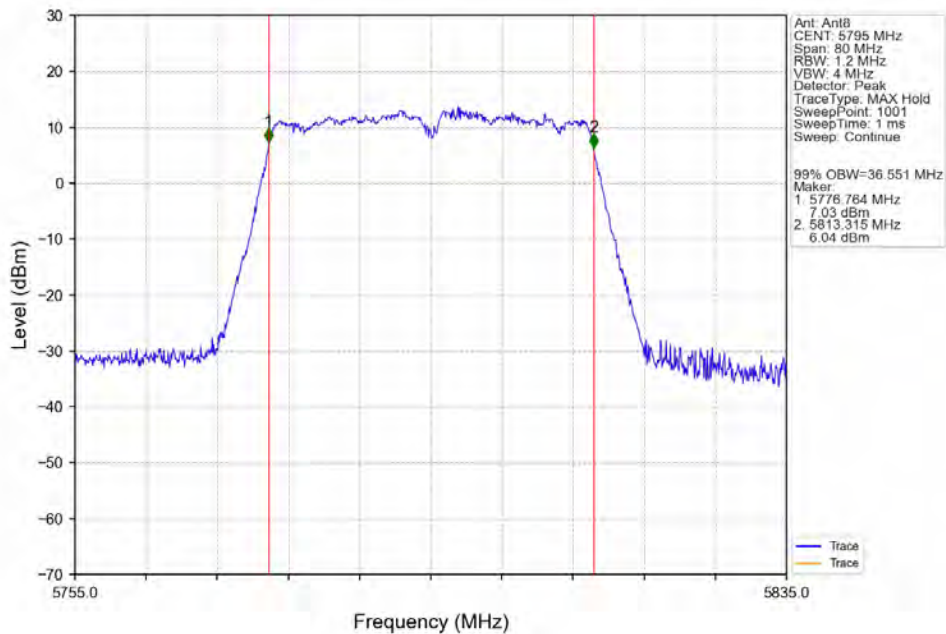
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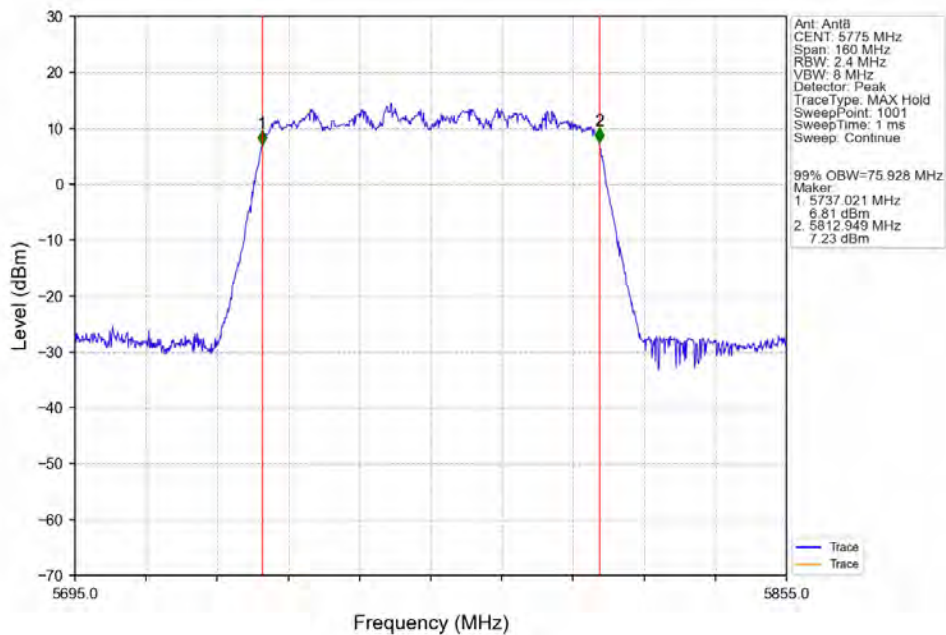
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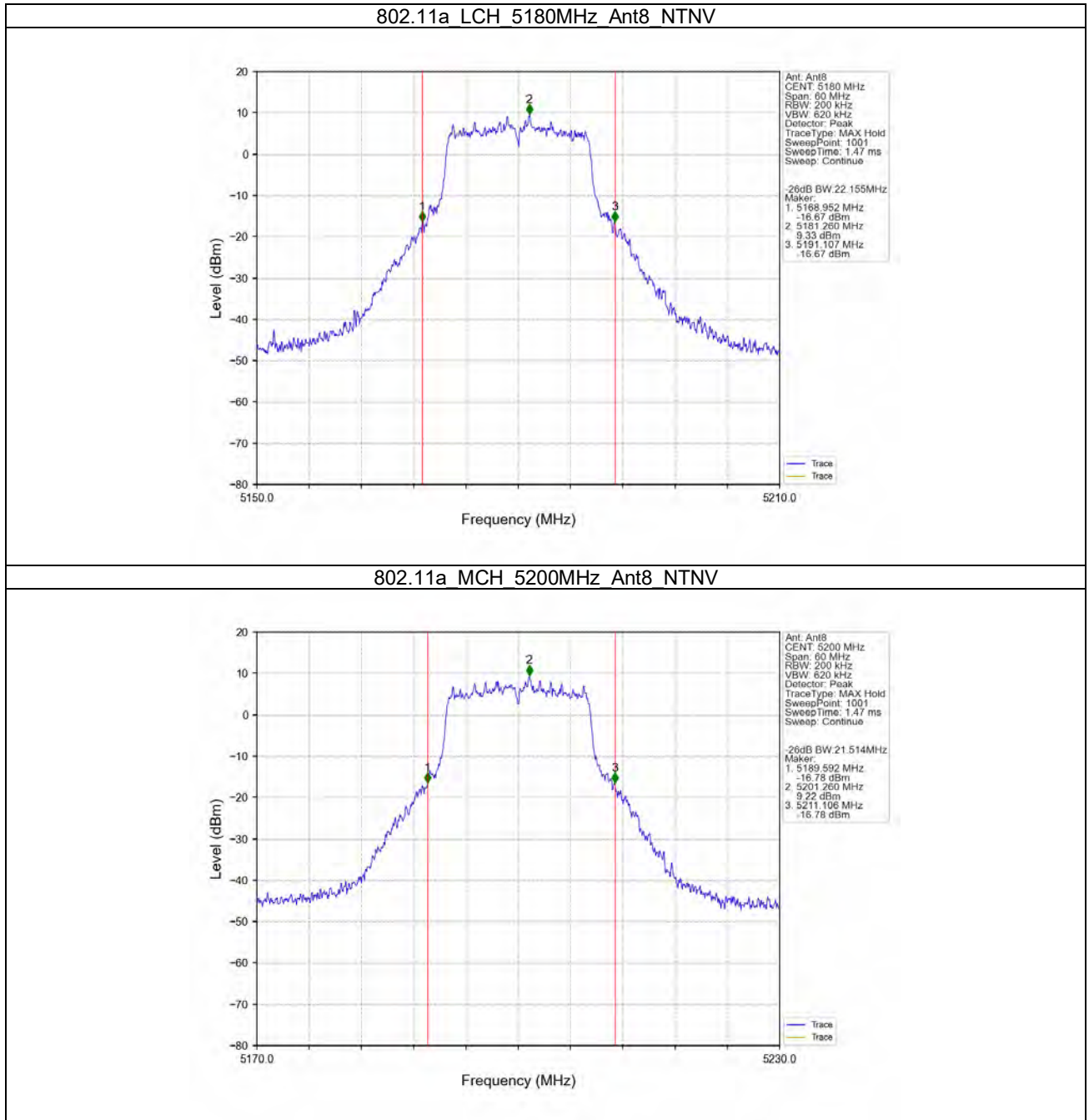
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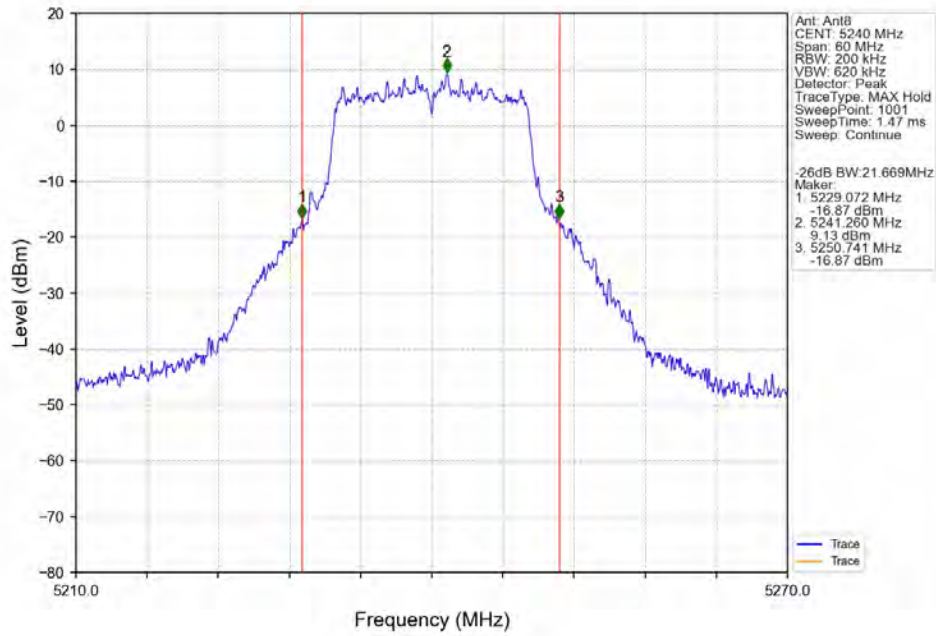
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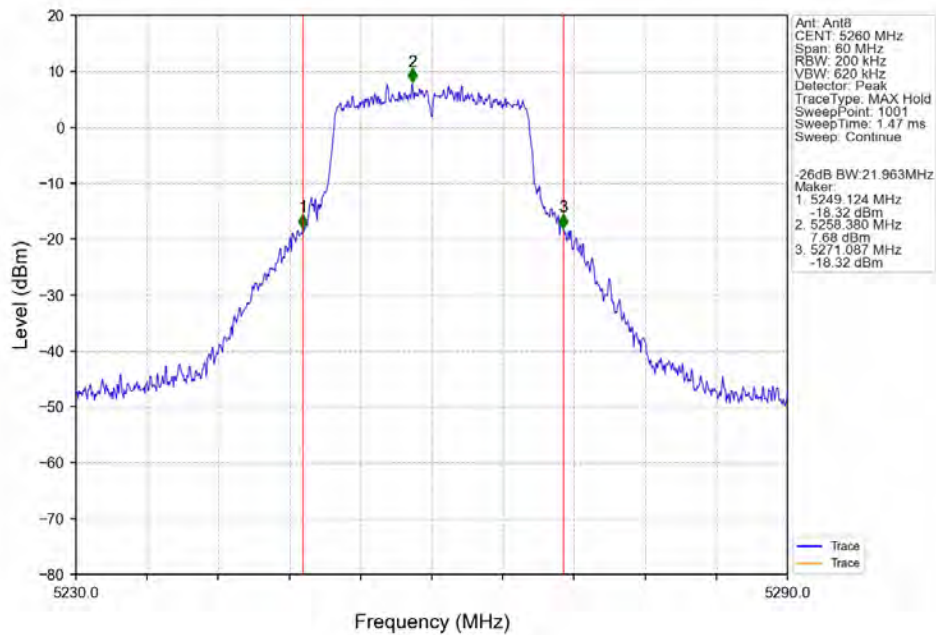
2.2.2 6dB BW



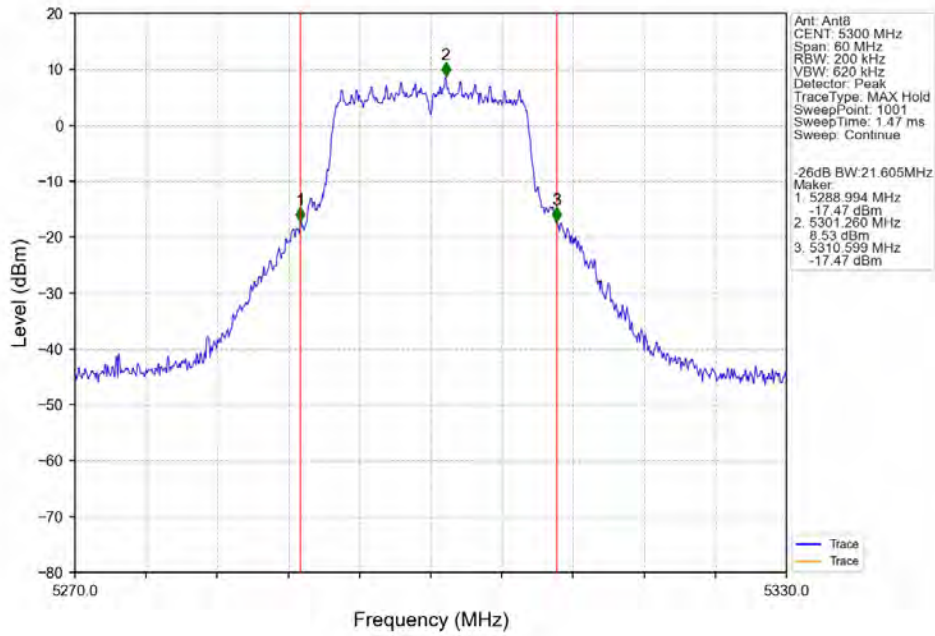
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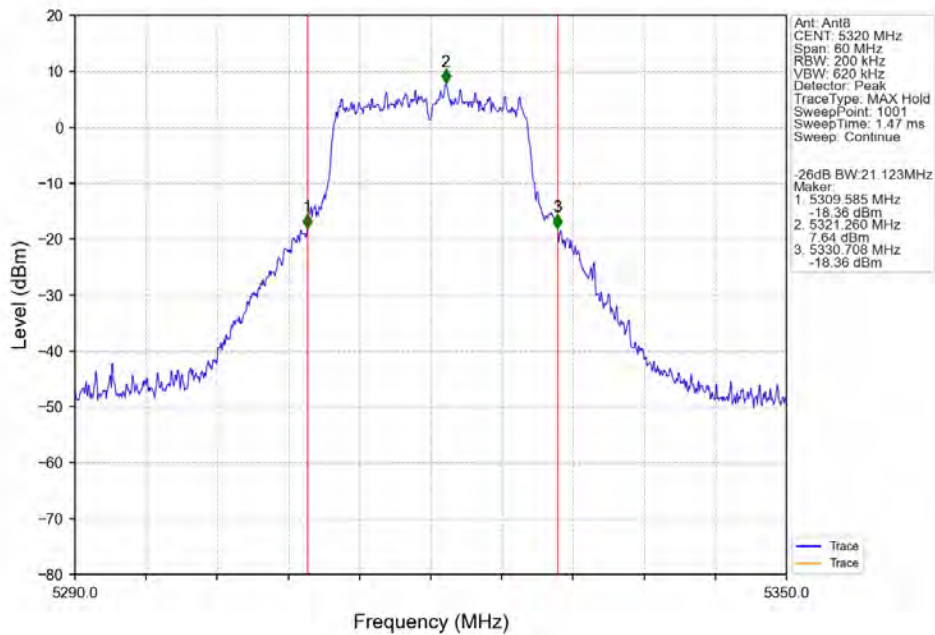
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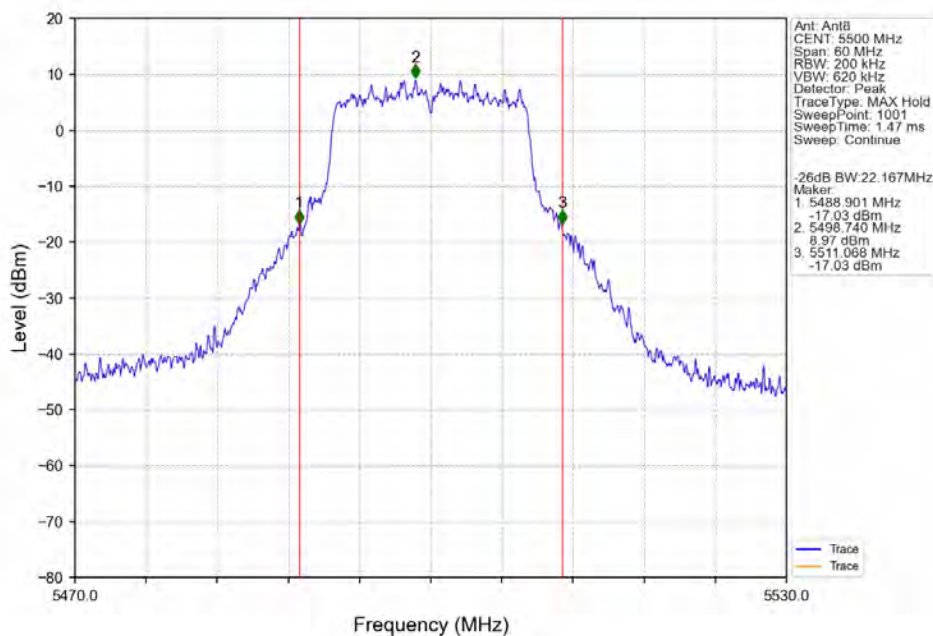
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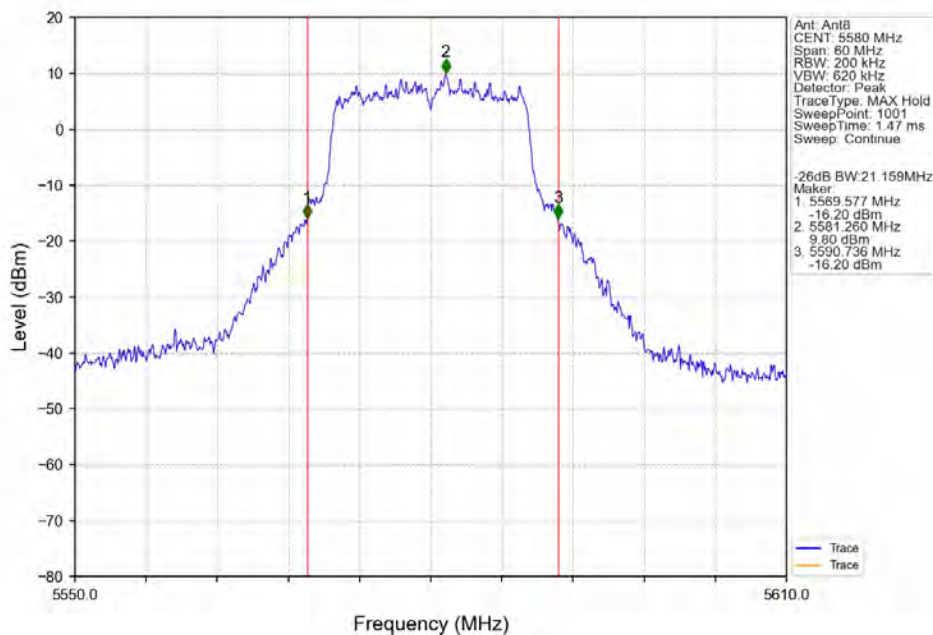
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802.11a_LCH_5500MHz_Ant8_NTNV



802.11a MCH 5580MHz Ant8 NTN



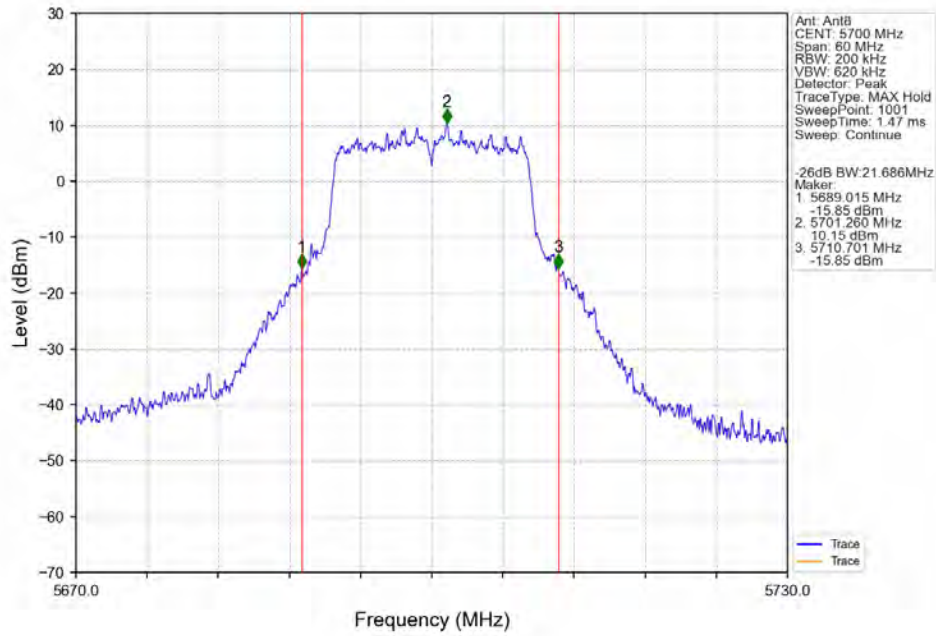
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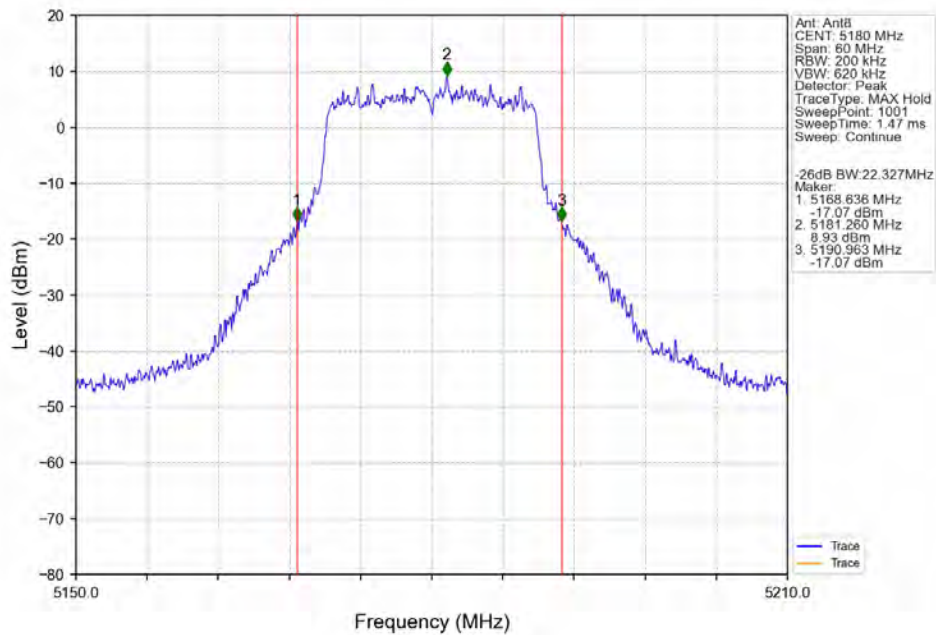
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802.11a_HCH_5700MHz_Ant8_NTNV



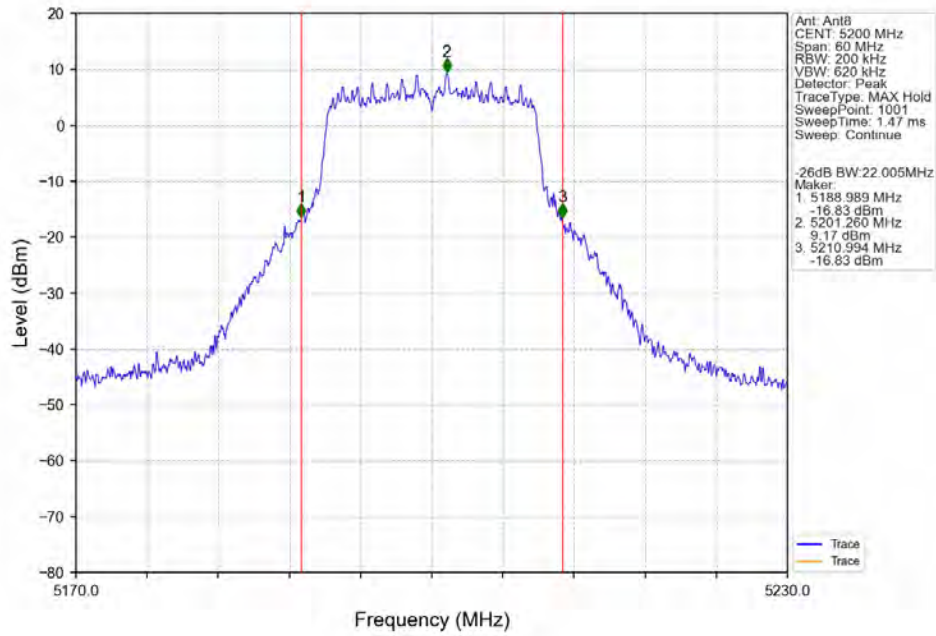
802.11n(HT20)_LCH_5180MHz_Ant8_NTNV



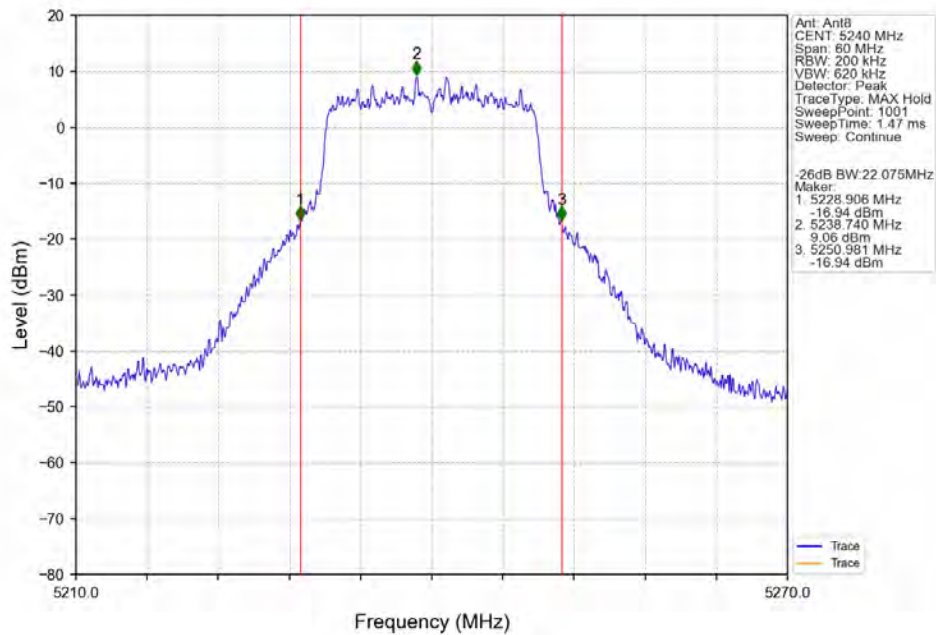
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802.11n(HT20)_MCH_5200MHz_Ant8_NTNV



802.11n(HT20)_HCH_5240MHz_Ant8_NTNV



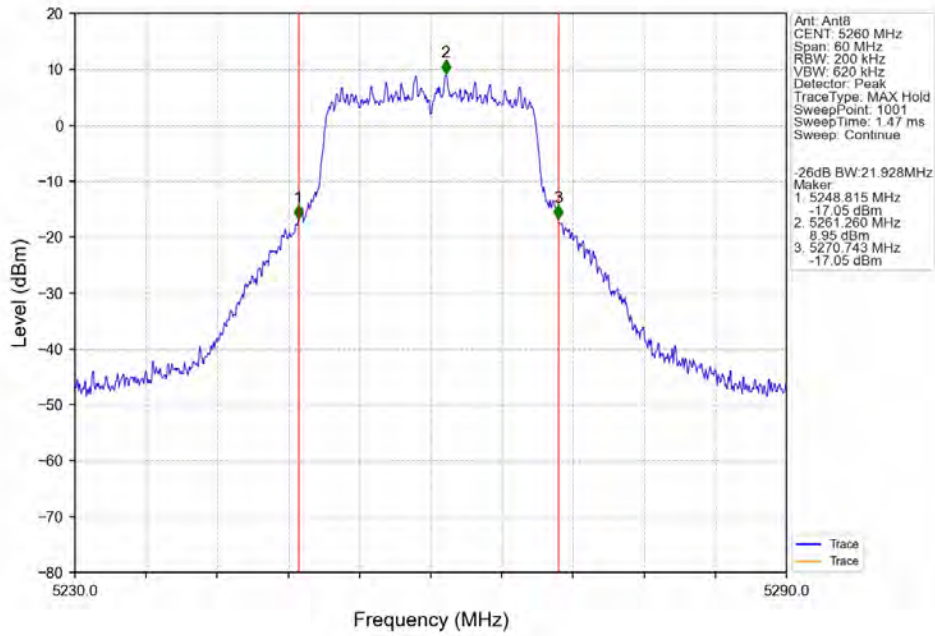
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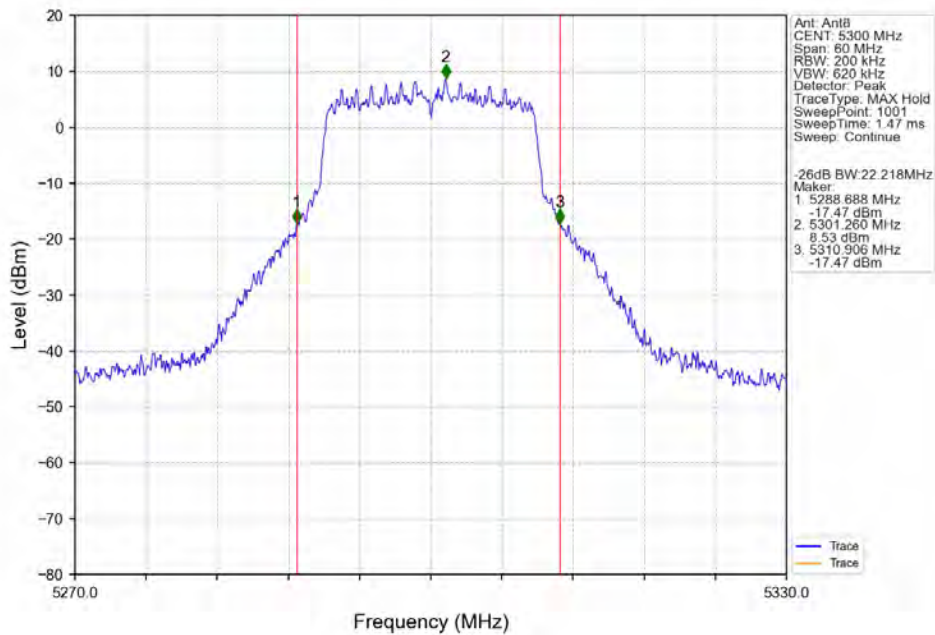
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802.11n(HT20)_LCH_5260MHz_Ant8_NTNV



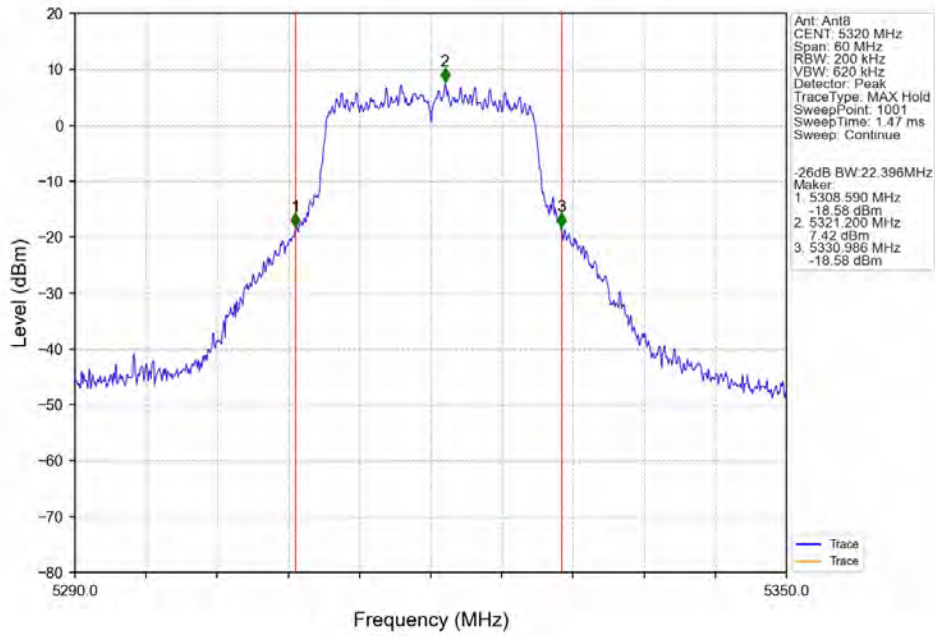
802.11n(HT20) MCH 5300MHz Ant8 NTN



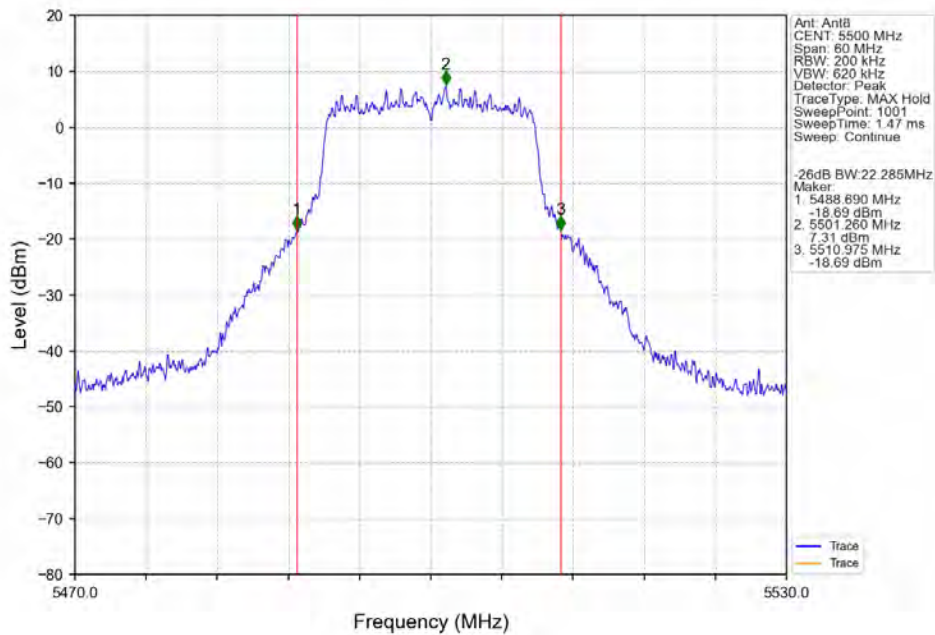
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802.11n(HT20)_HCH_5320MHz_Ant8_NTNV



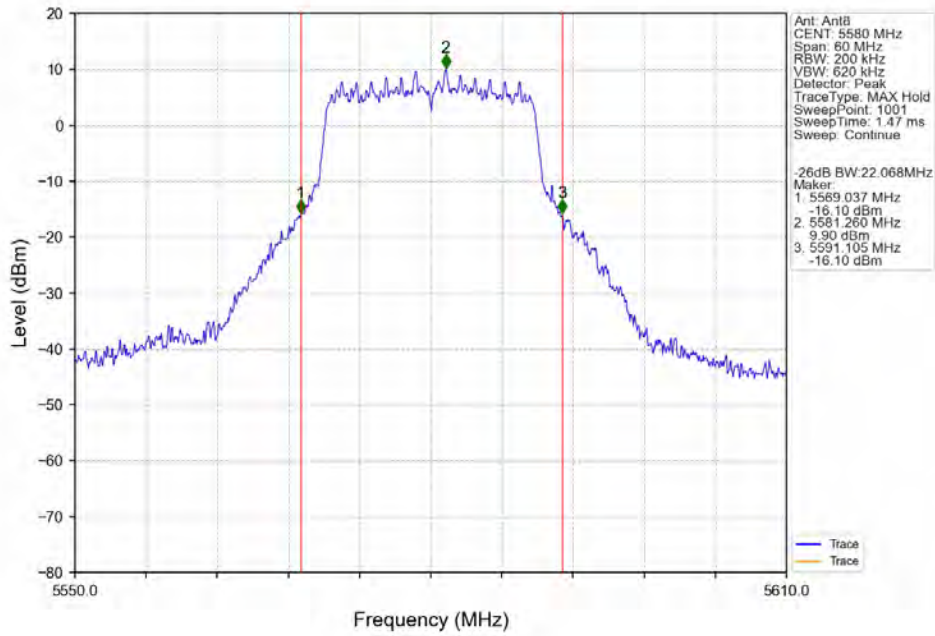
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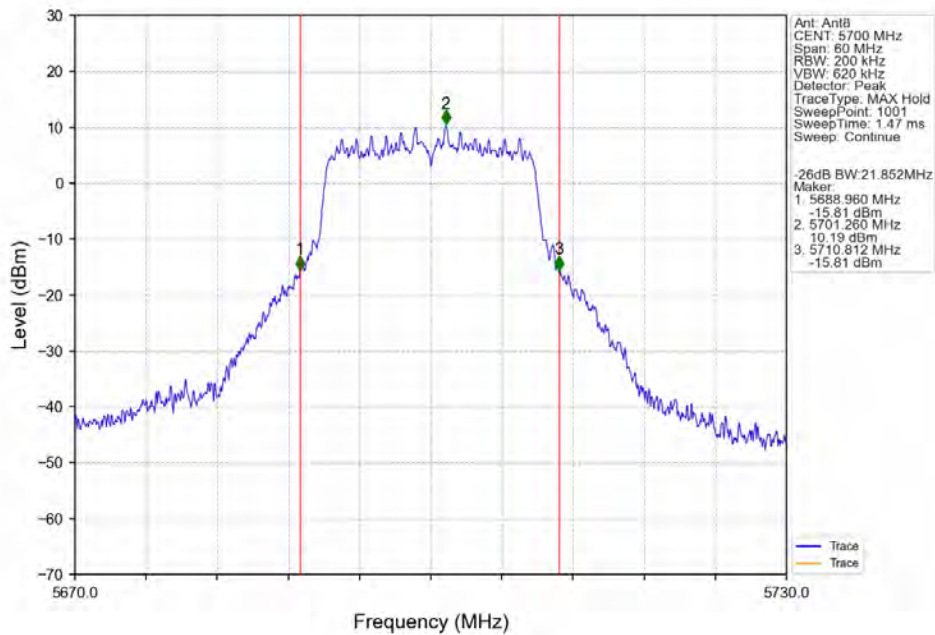
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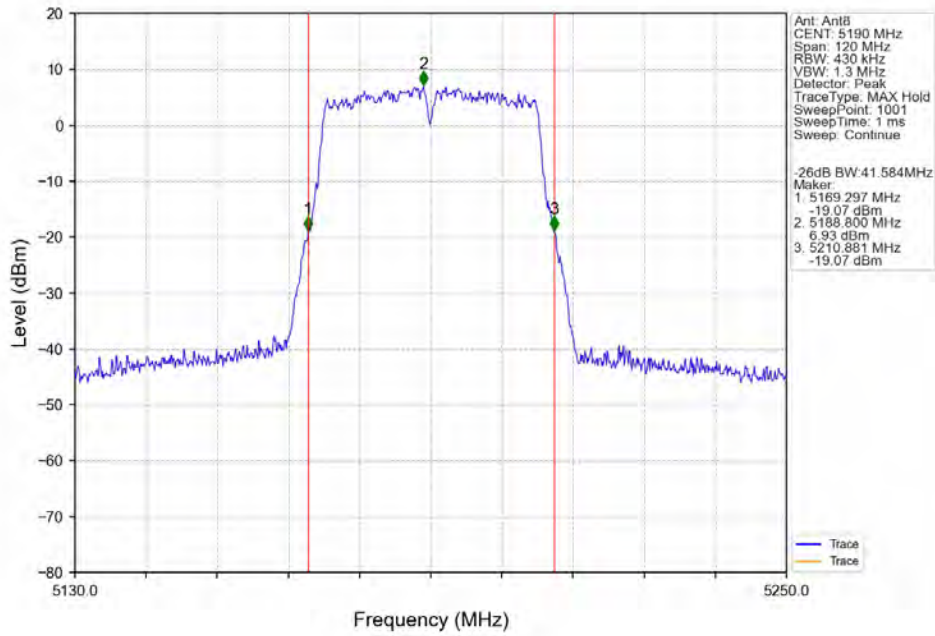
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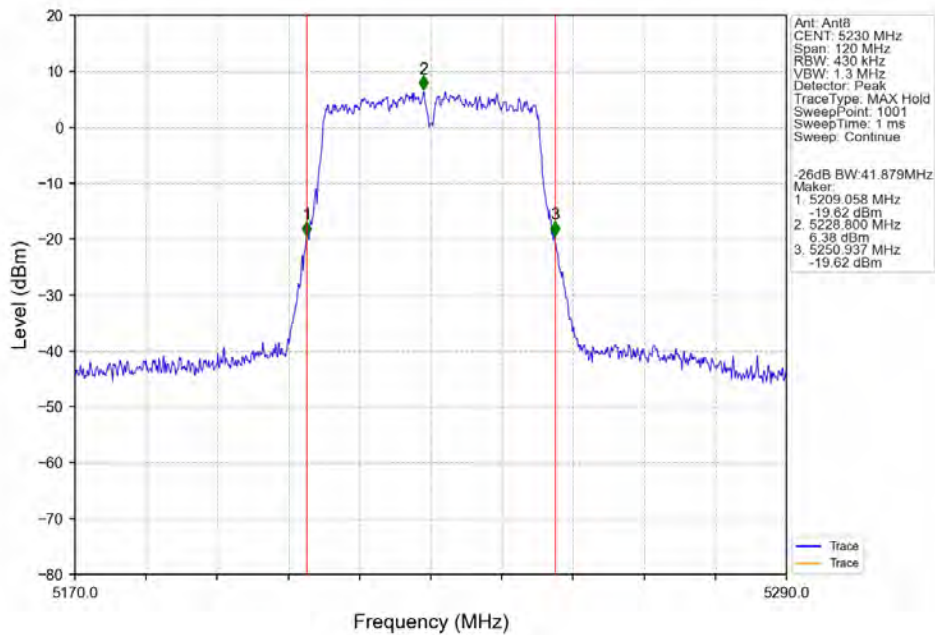
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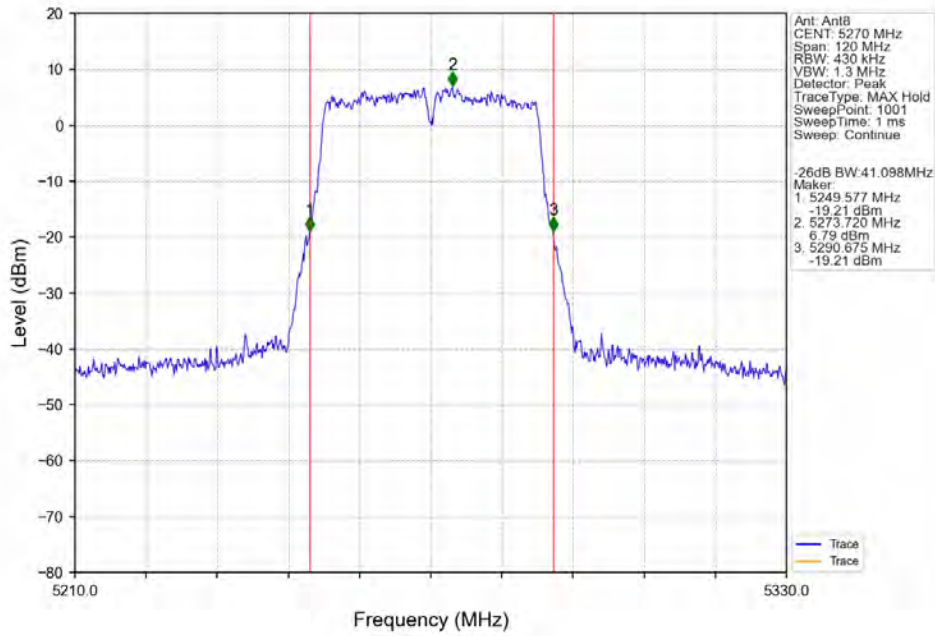
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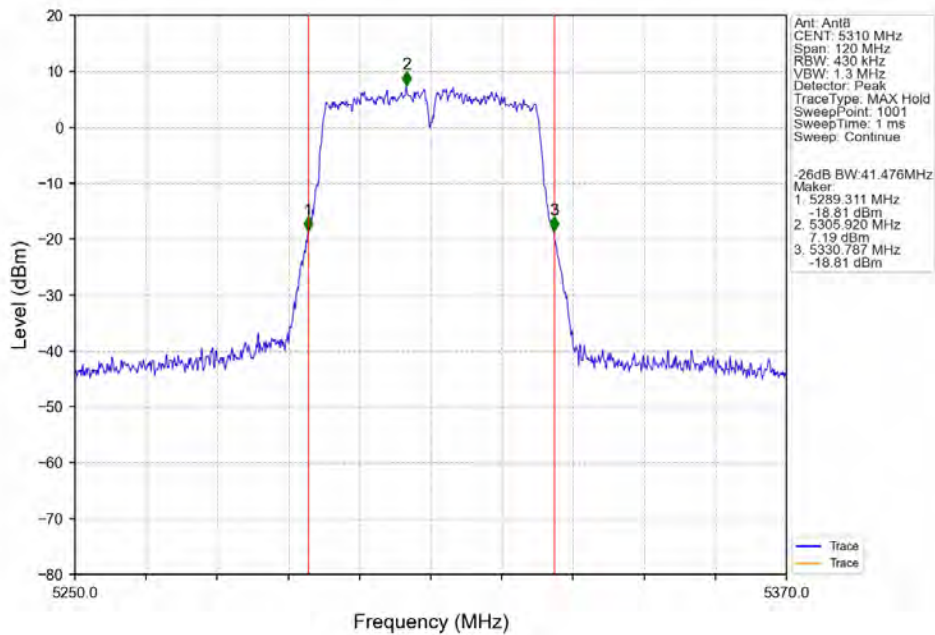
802.11n(HT40) HCH 5230MHz Ant8 NTN



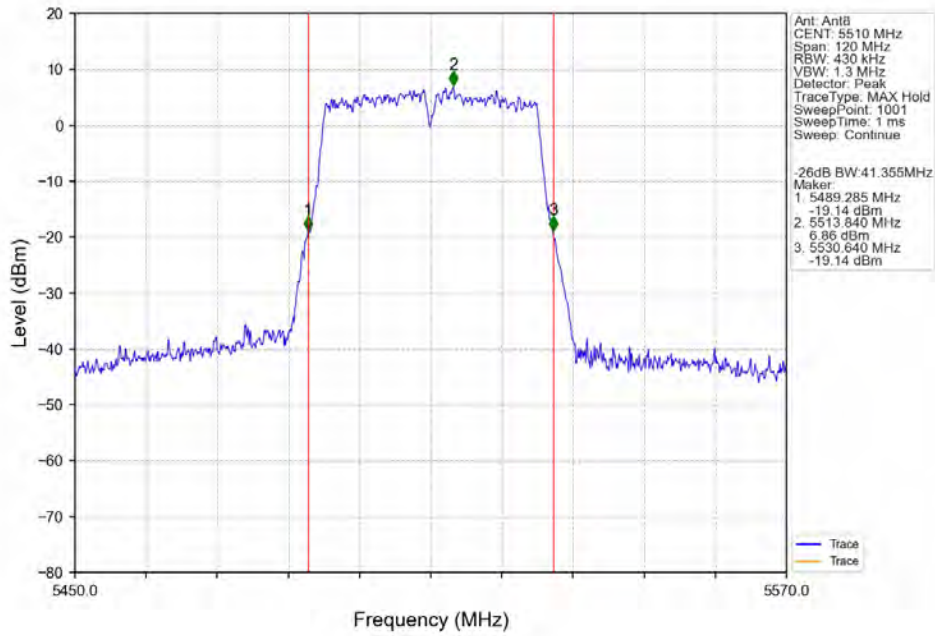
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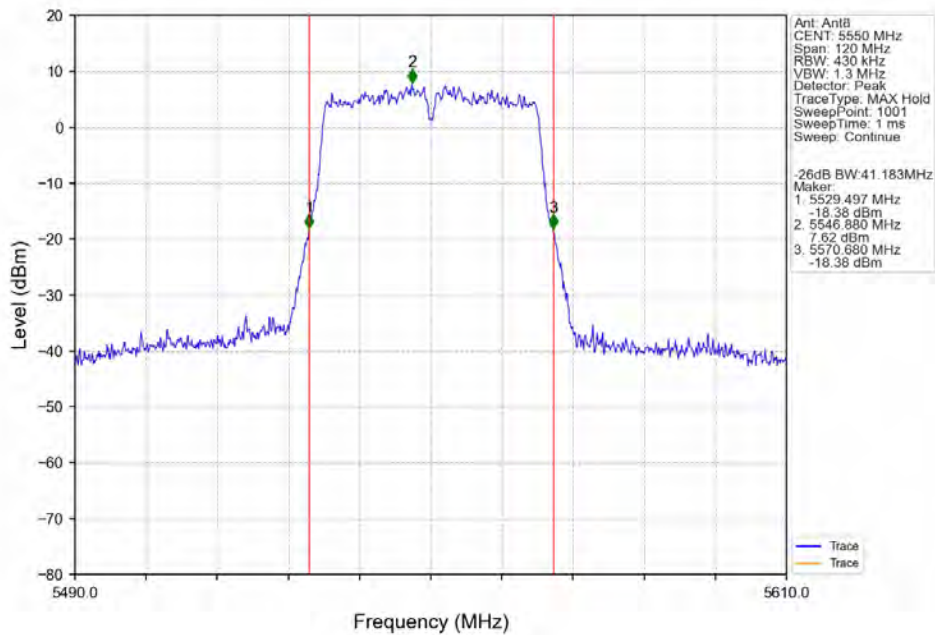
802.11n(HT40)_HCH_5310MHz_Ant8_NTNV



802.11n(HT40)_LCH_5510MHz_Ant8_NTNV



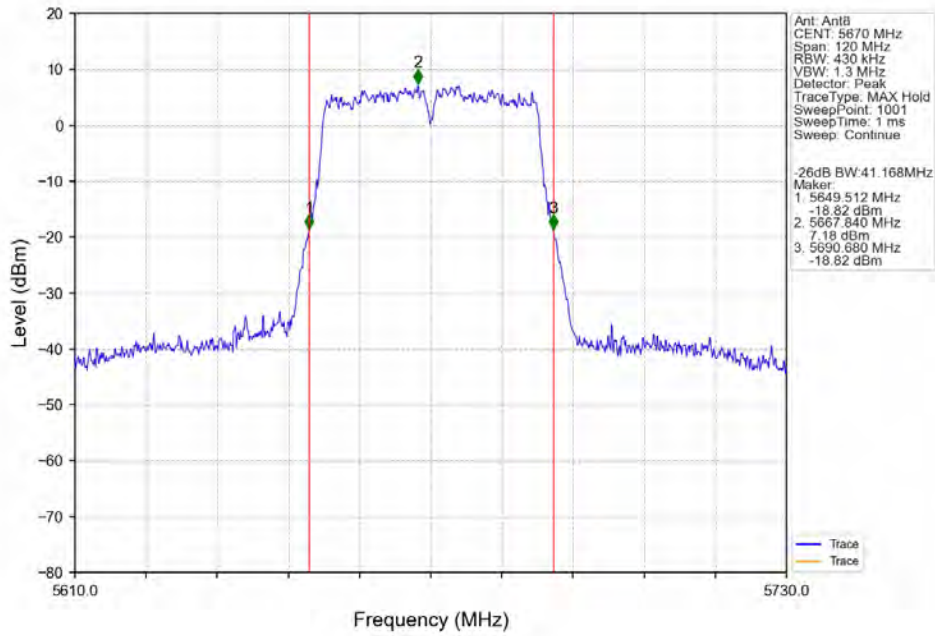
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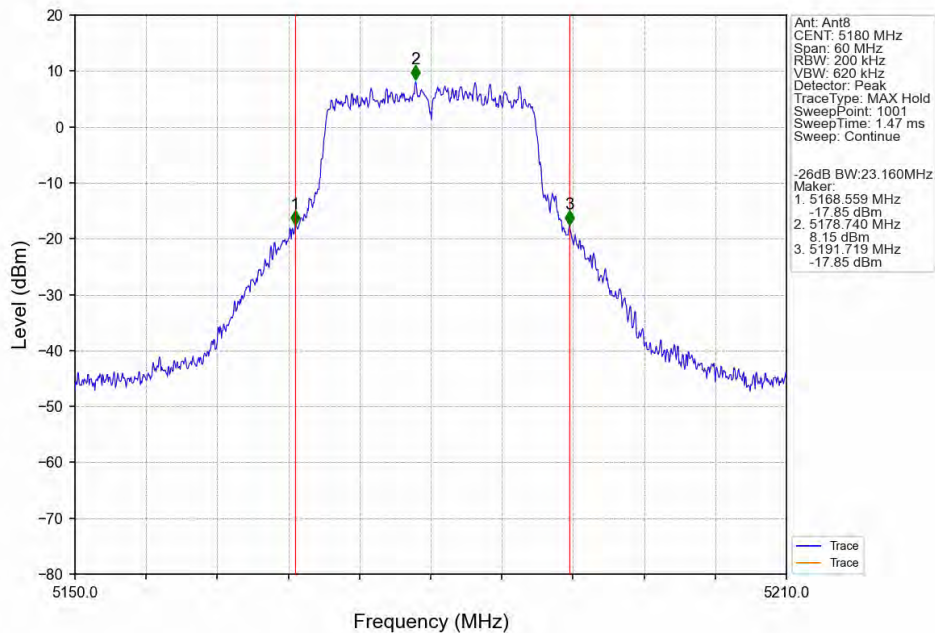
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802.11n(HT40)_HCH_5670MHz_Ant8_NTNV



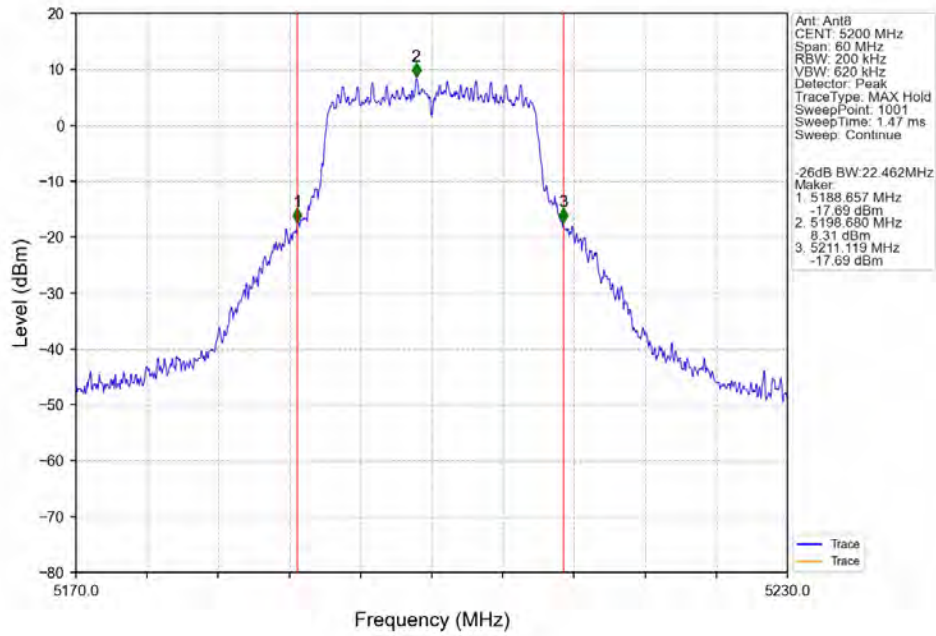
802.11ac(VHT20)_LCH_5180MHz_Ant8_NTNV



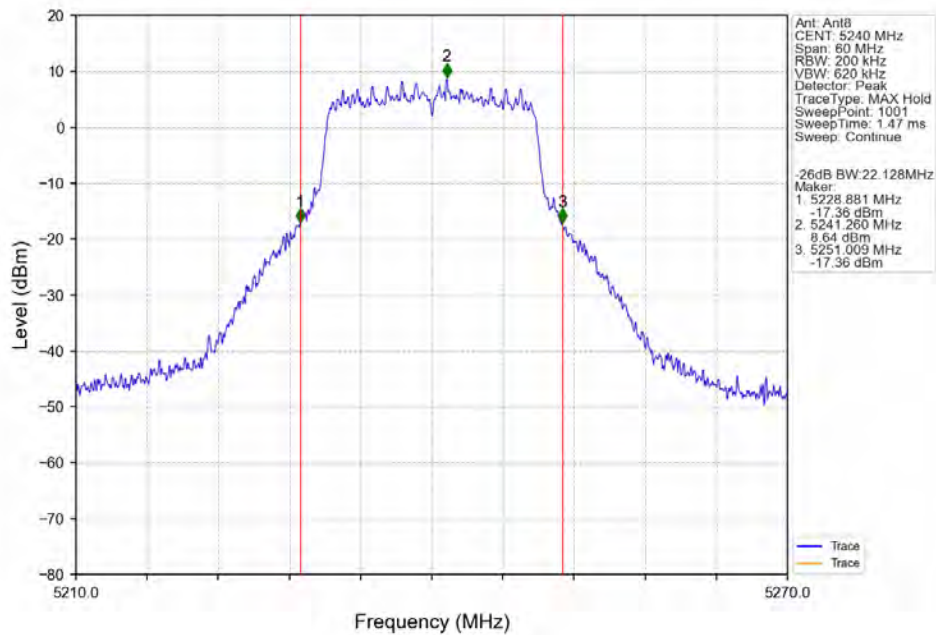
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802.11ac(VHT20)_MCH_5200MHz_Ant8_NTNV



802.11ac(VHT20) HCH 5240MHz Ant8 NTN



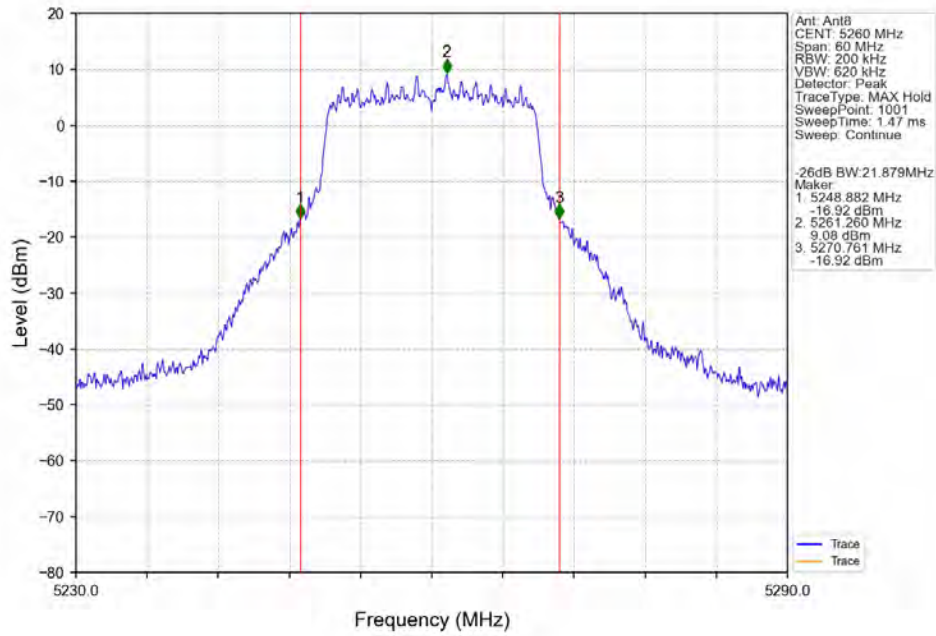
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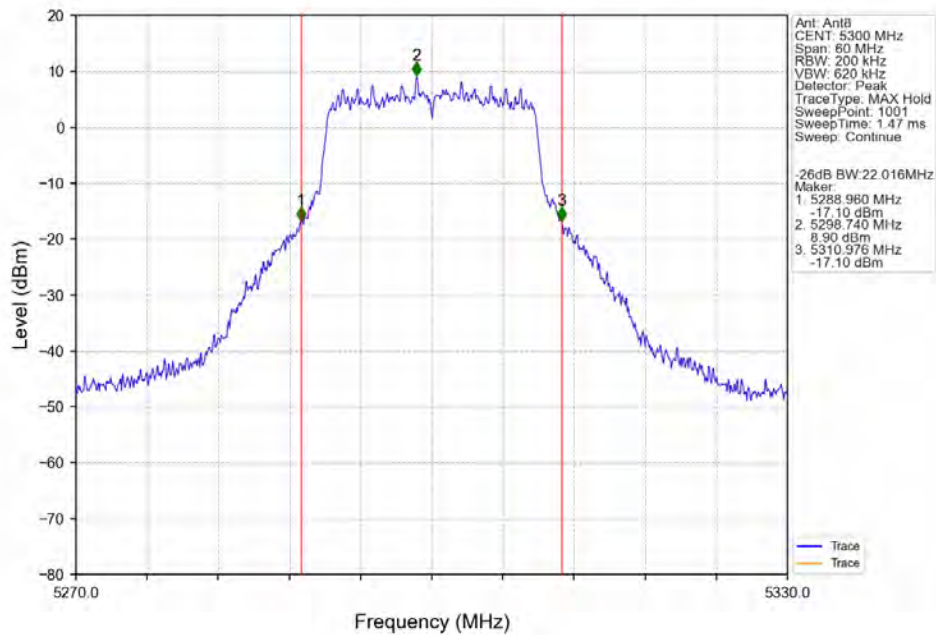
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802.11ac(VHT20)_LCH_5260MHz_Ant8_NTNV



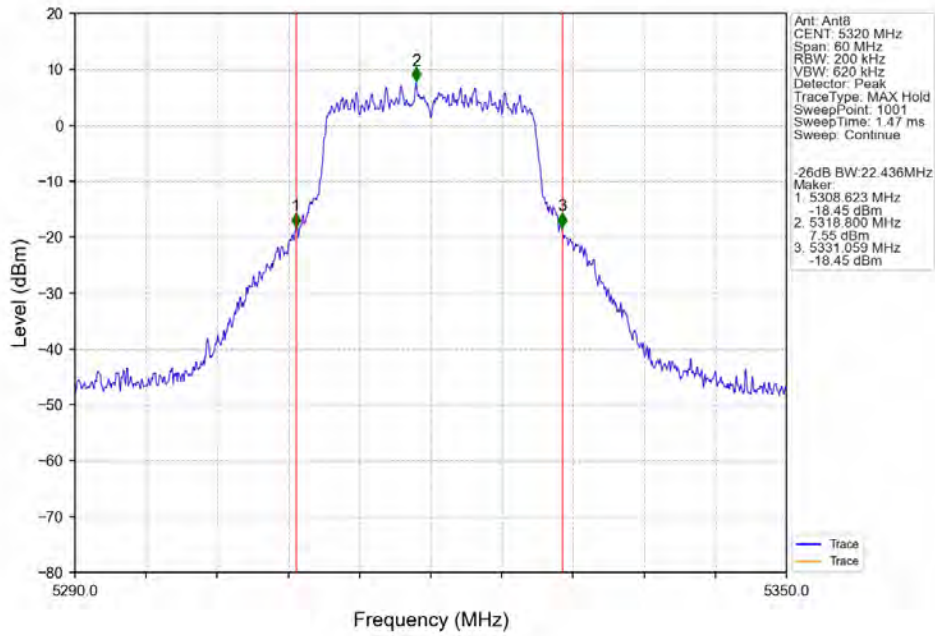
802.11ac(VHT20) MCH 5300MHz Ant8 NTN



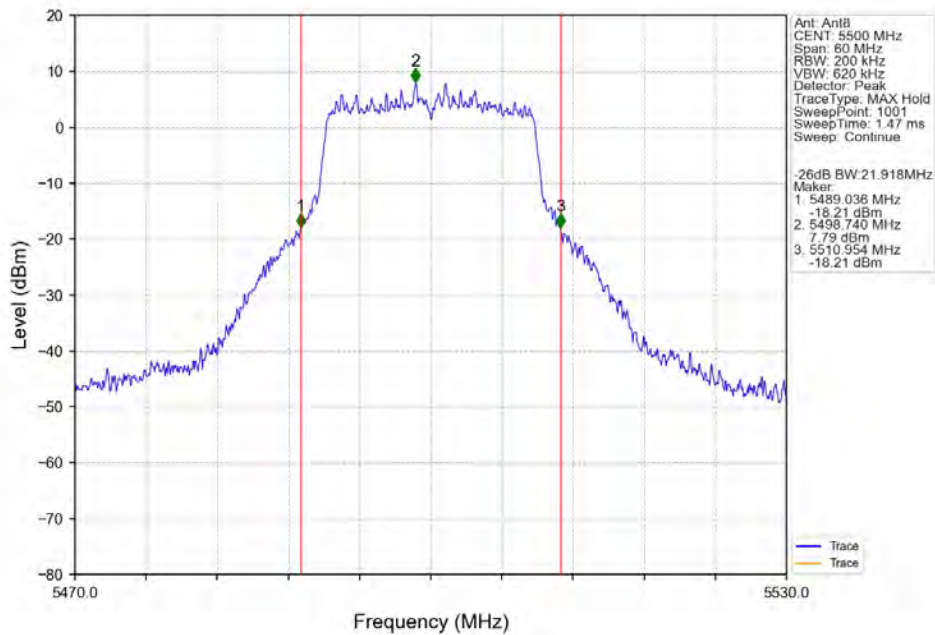
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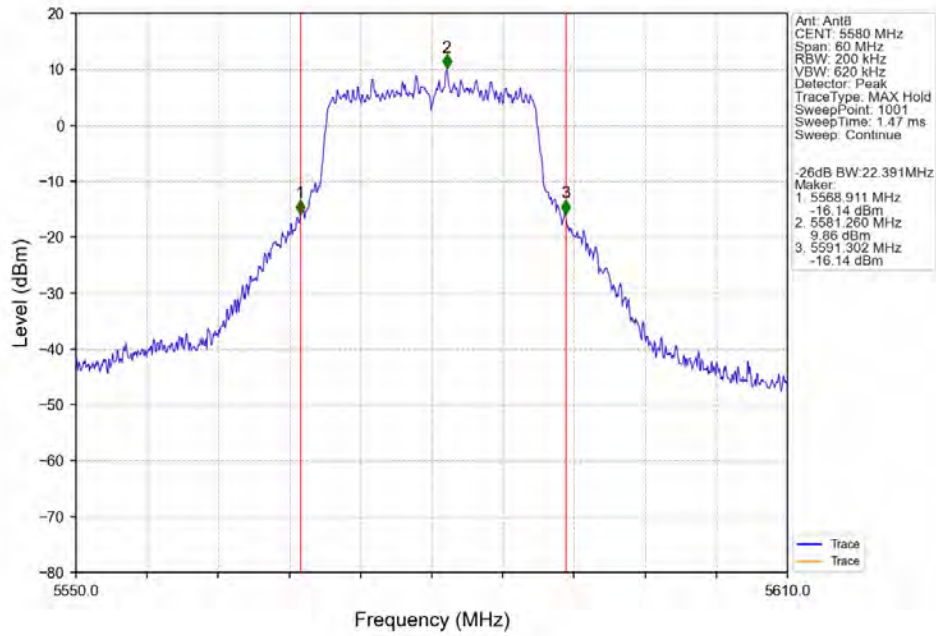
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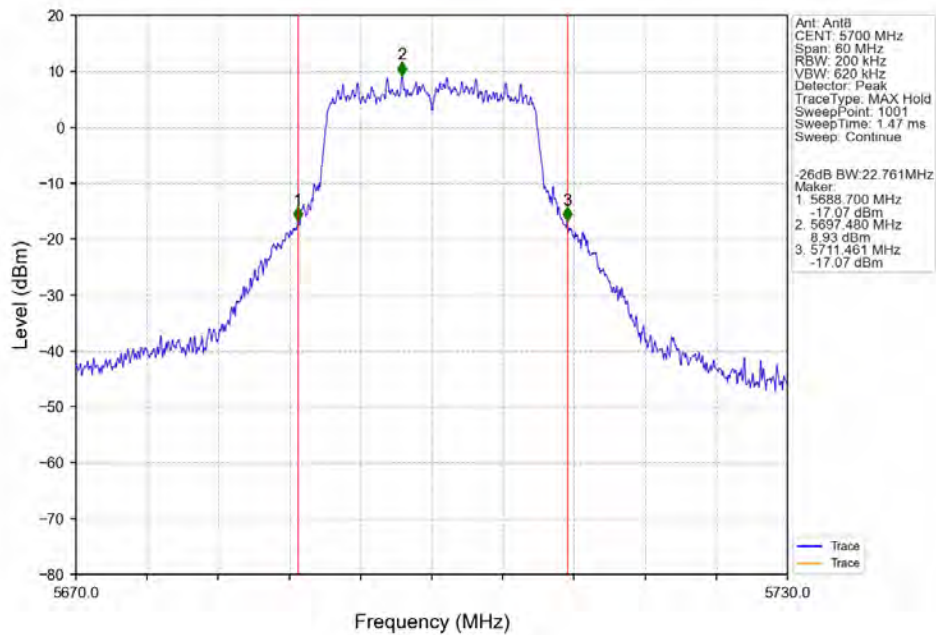
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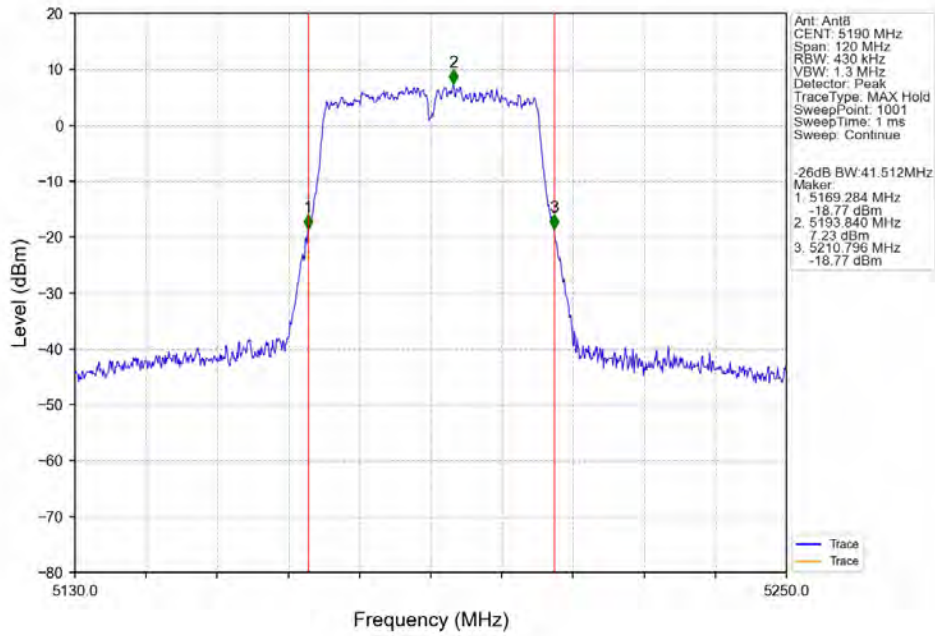
802.11ac(VHT20) HCH 5700MHz Ant8 NTN



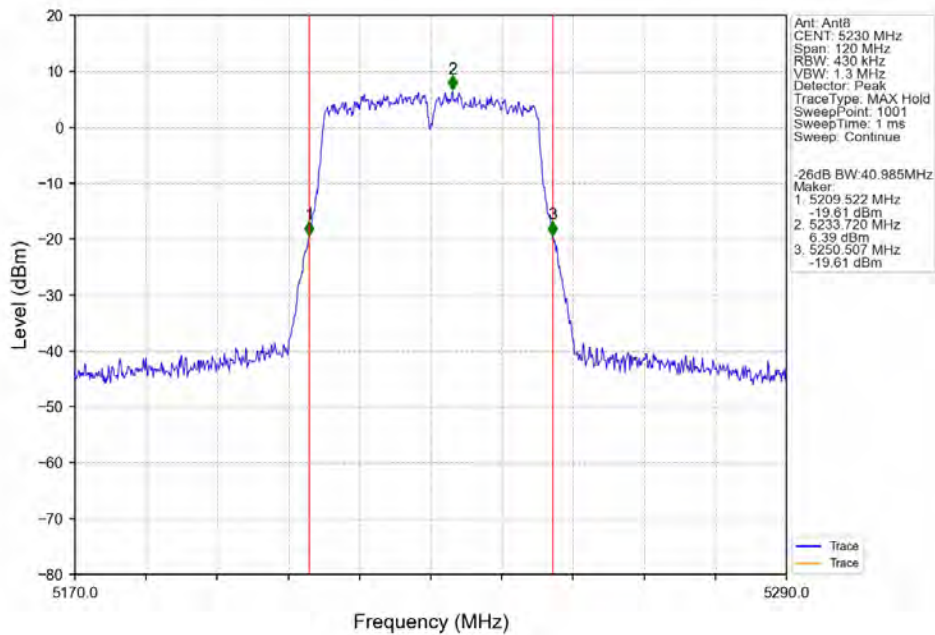
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802.11ac(VHT40)_LCH_5190MHz_Ant8_NTNV



802.11ac(VHT40) HCH 5230MHz_Ant8_NTNV



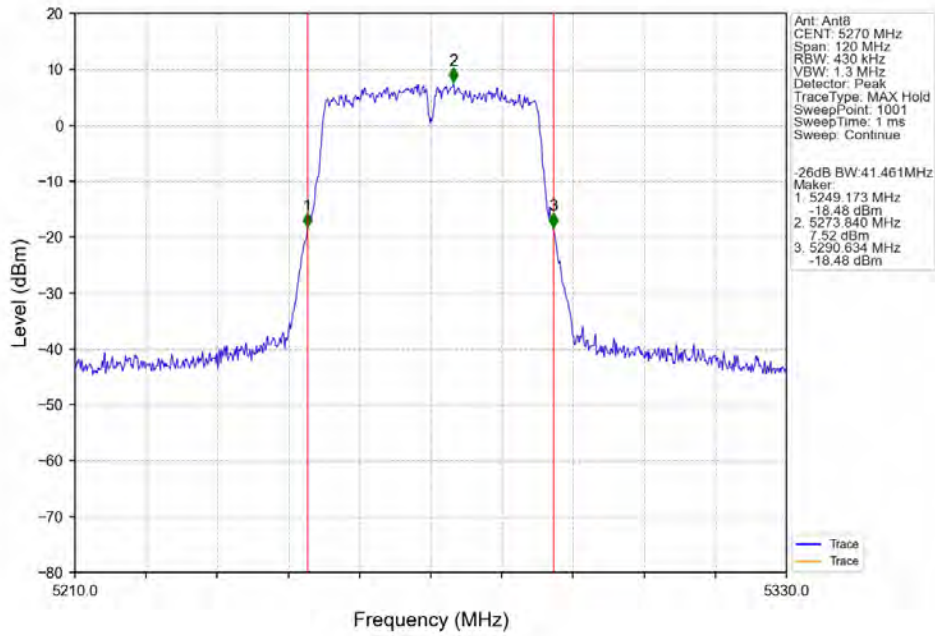
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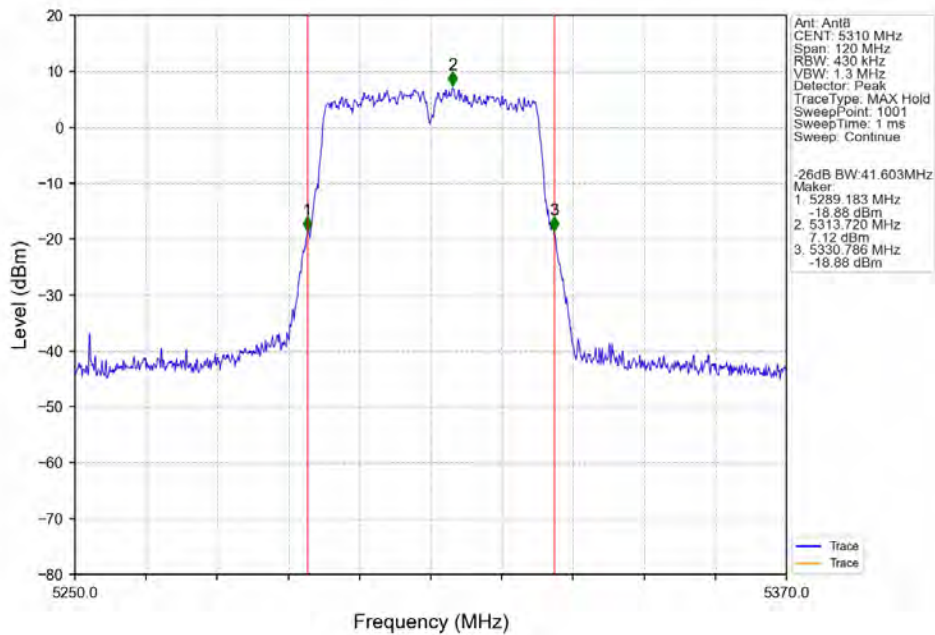
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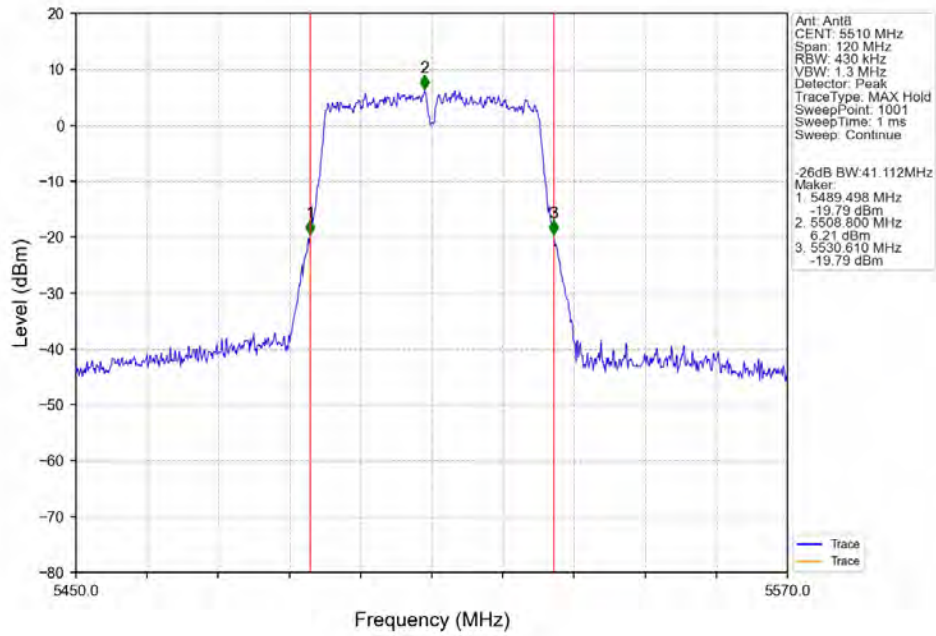
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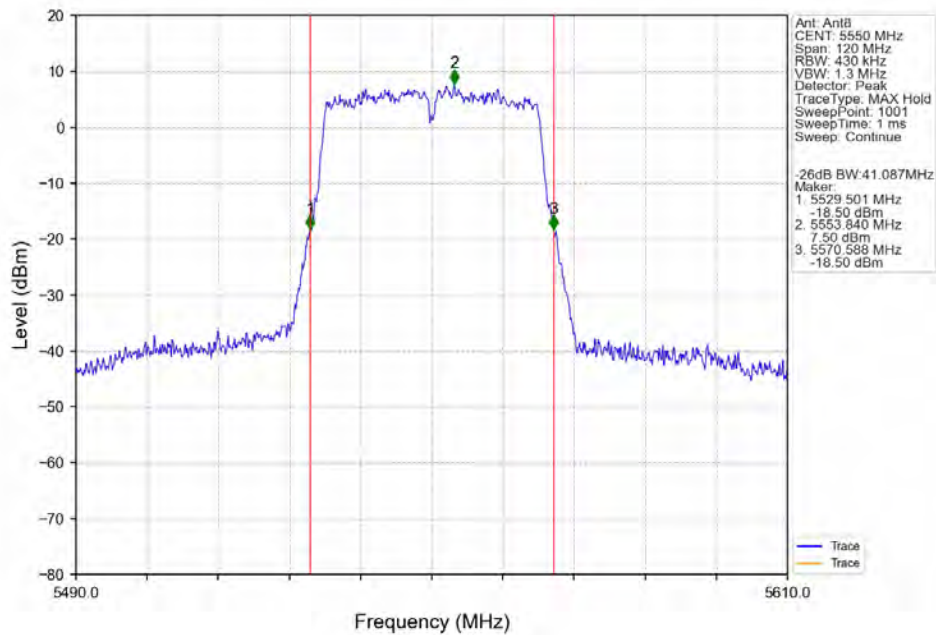
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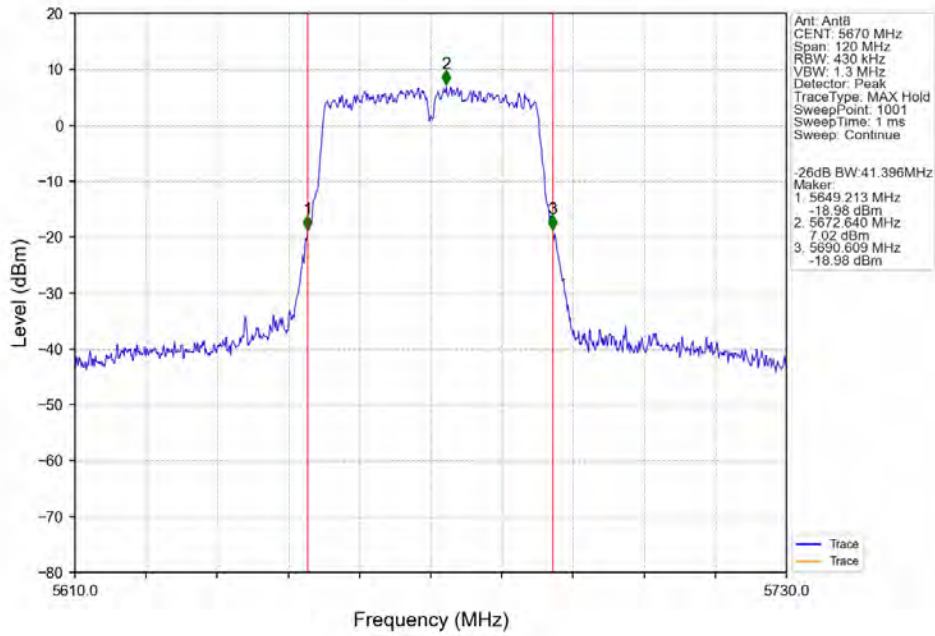
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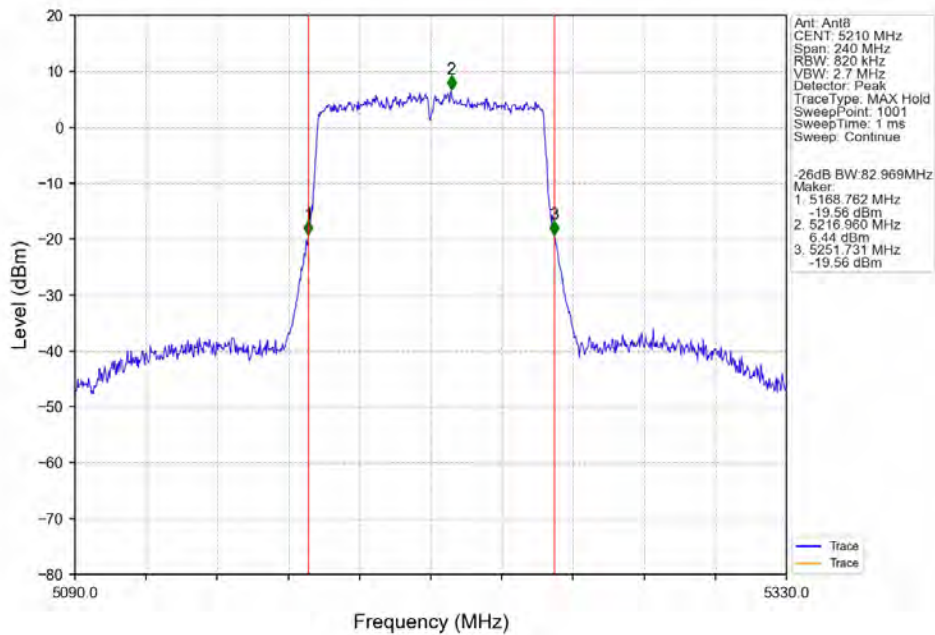
802.11ac(VHT40) MCH 5550MHz Ant8 NTN



802.11ac(VHT40)_HCH_5670MHz_Ant8_NTNV



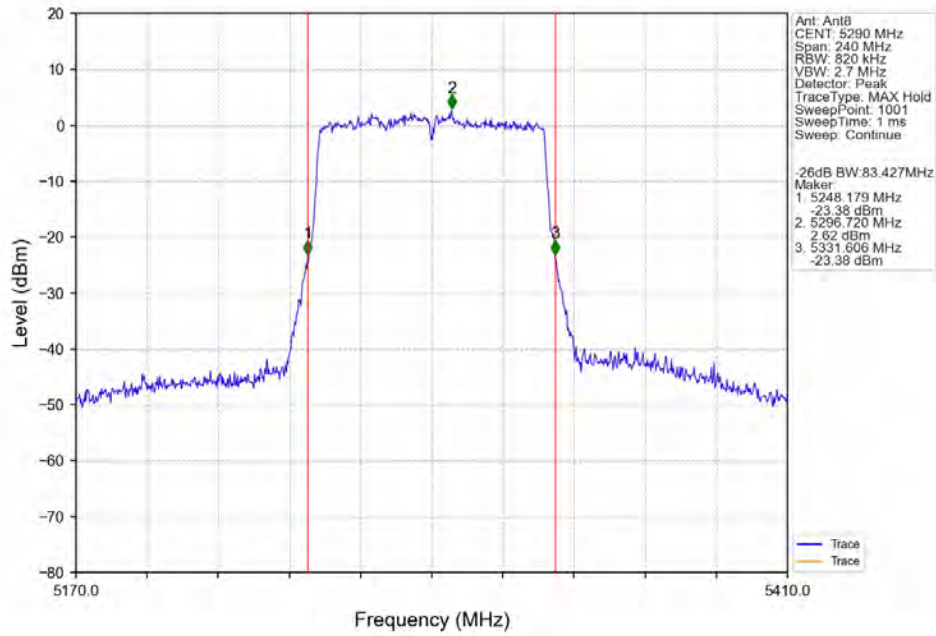
802.11ac(VHT80) MCH 5210MHz Ant8 NTN



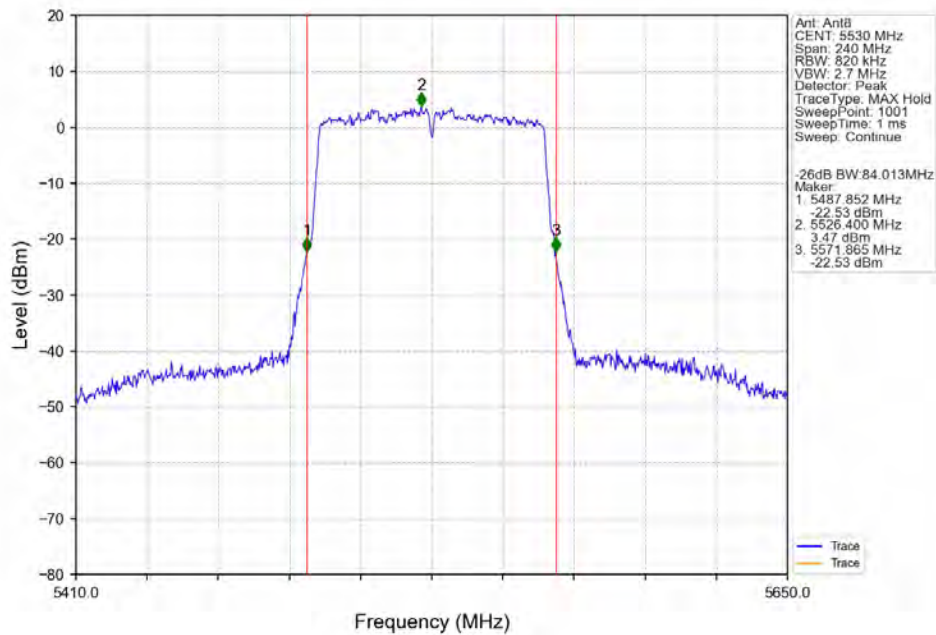
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802.11ac(VHT80)_MCH_5290MHz_Ant8_NTNV



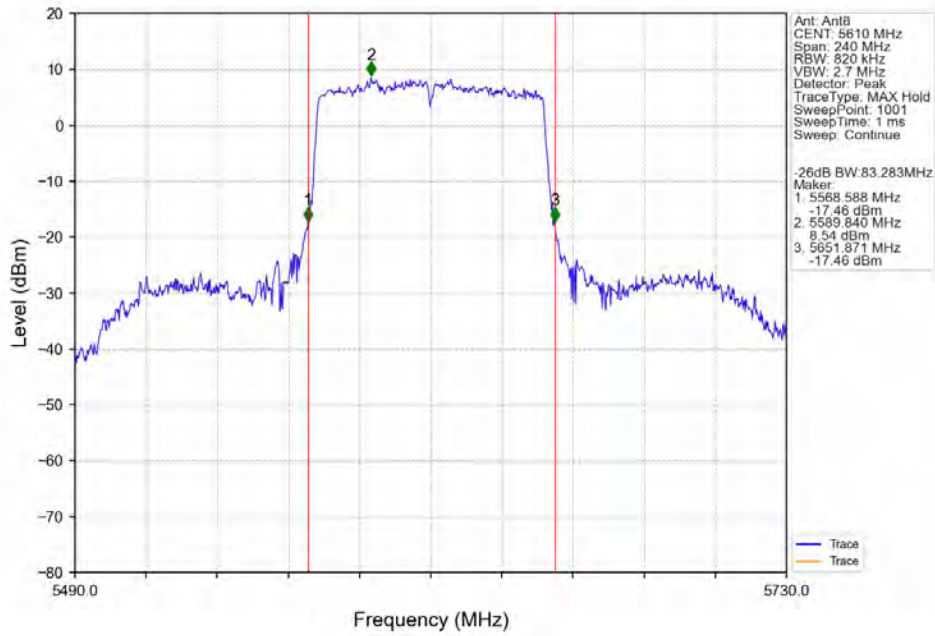
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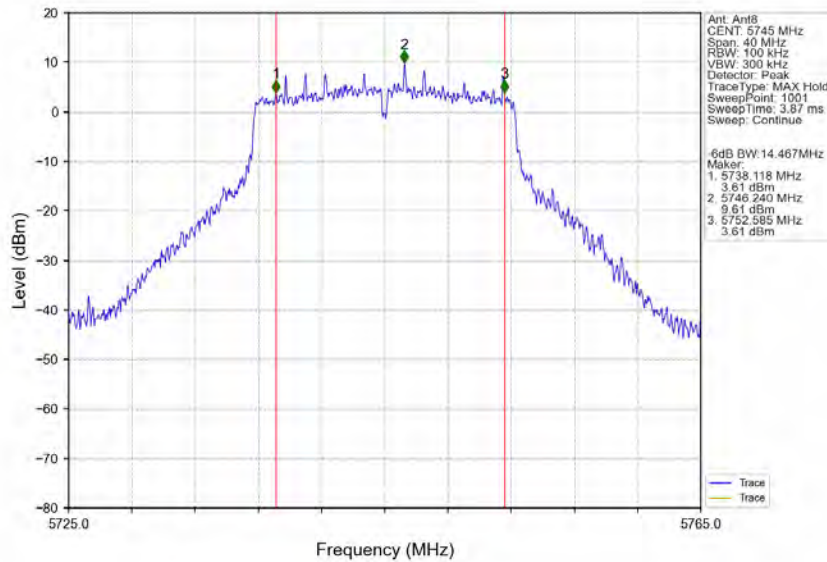
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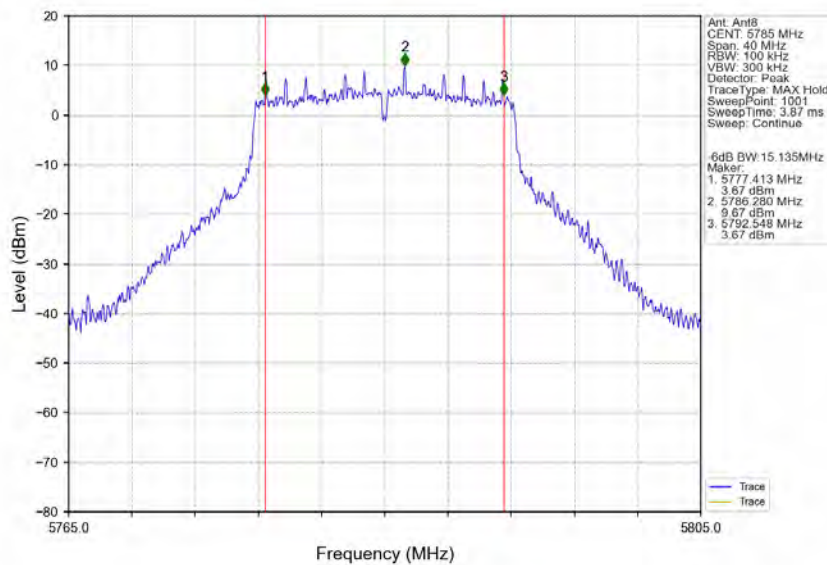
802.11ac(VHT80)_HCH_5610MHz_Ant8_NTNV



802.11a_LCH_5745MHz_Ant8_NTNV



802.11a_MCH_5785MHz_Ant8_NTNV



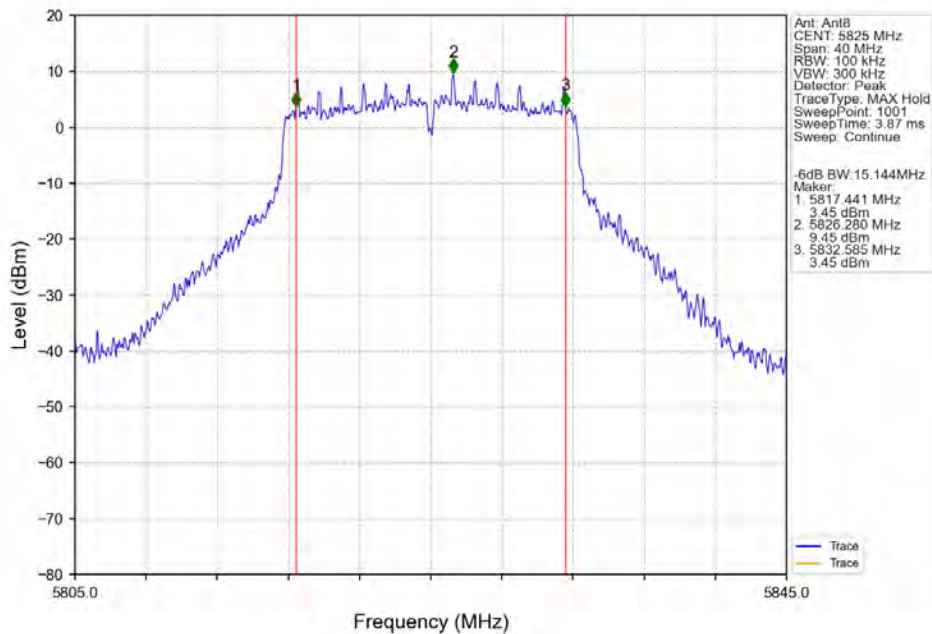
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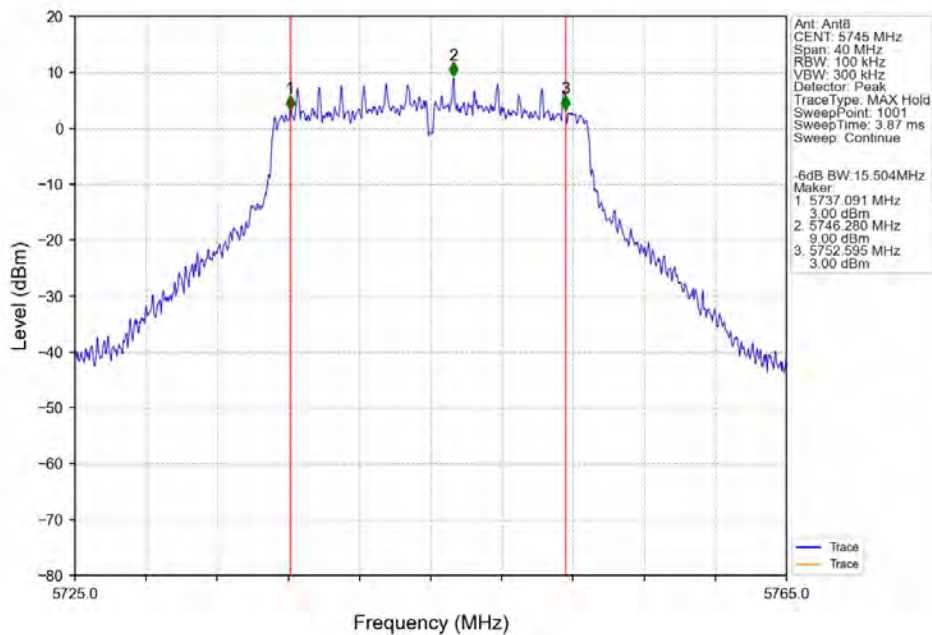
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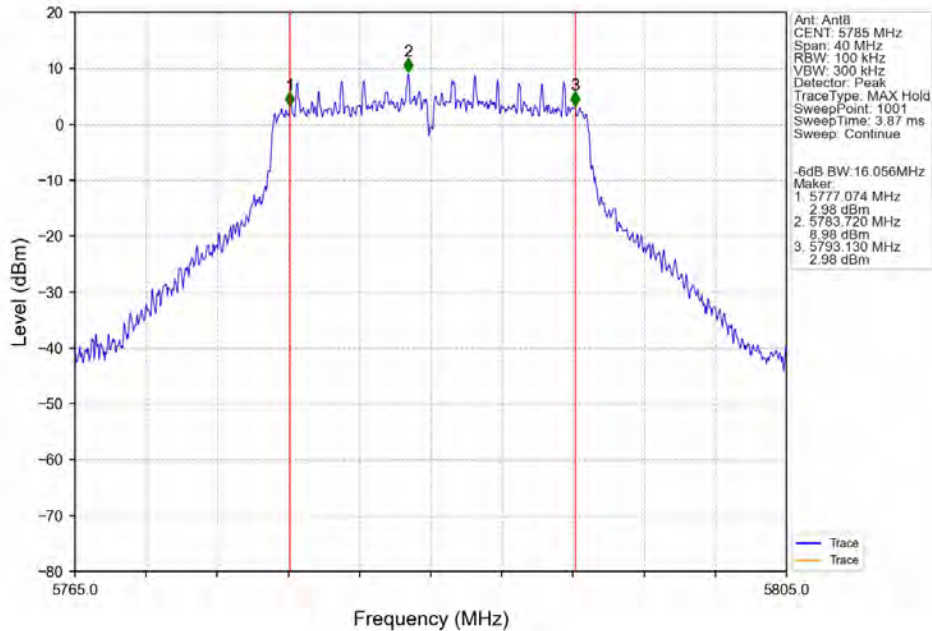
802.11a_HCH_5825MHz_Ant8_NTNV



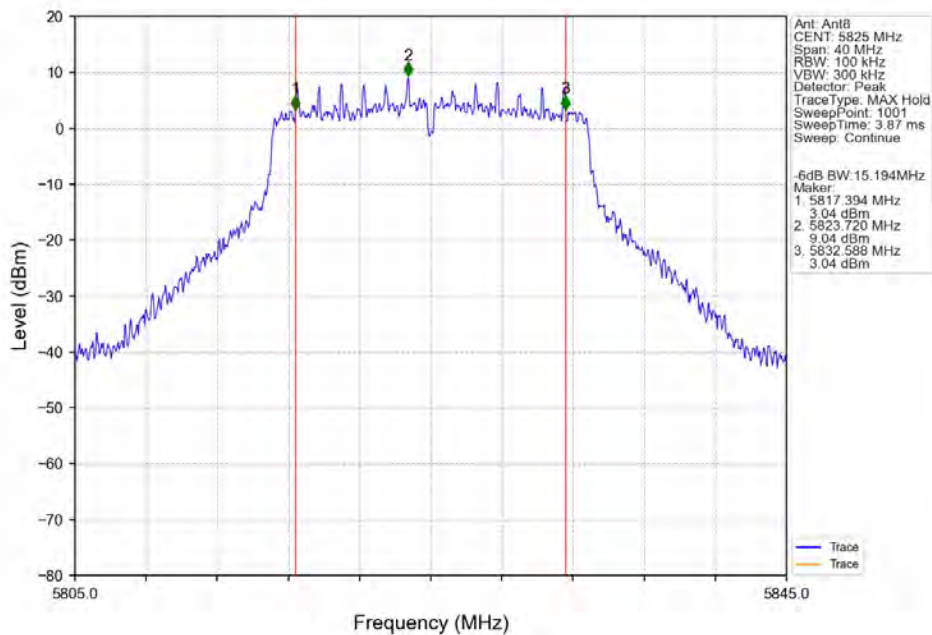
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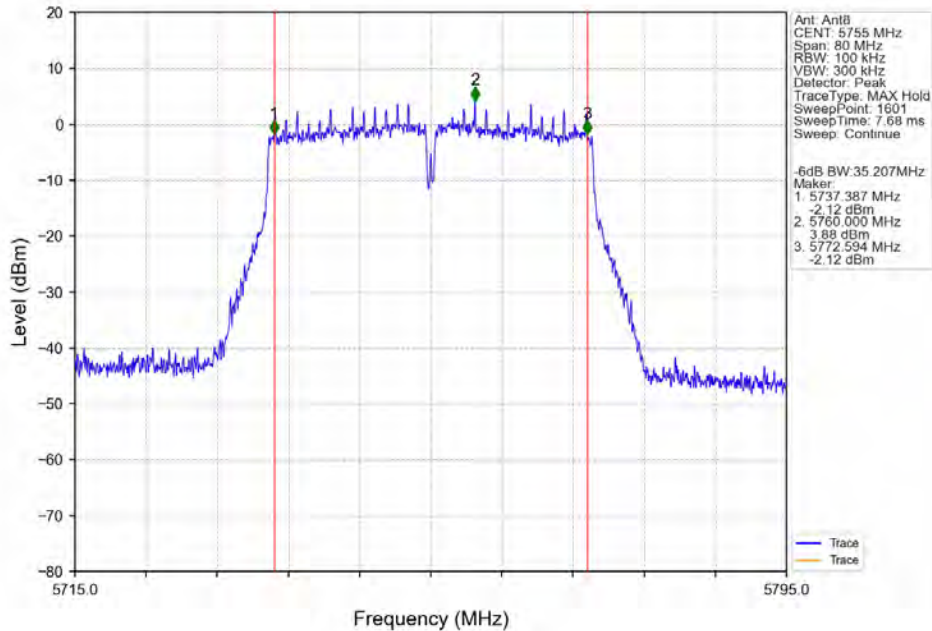
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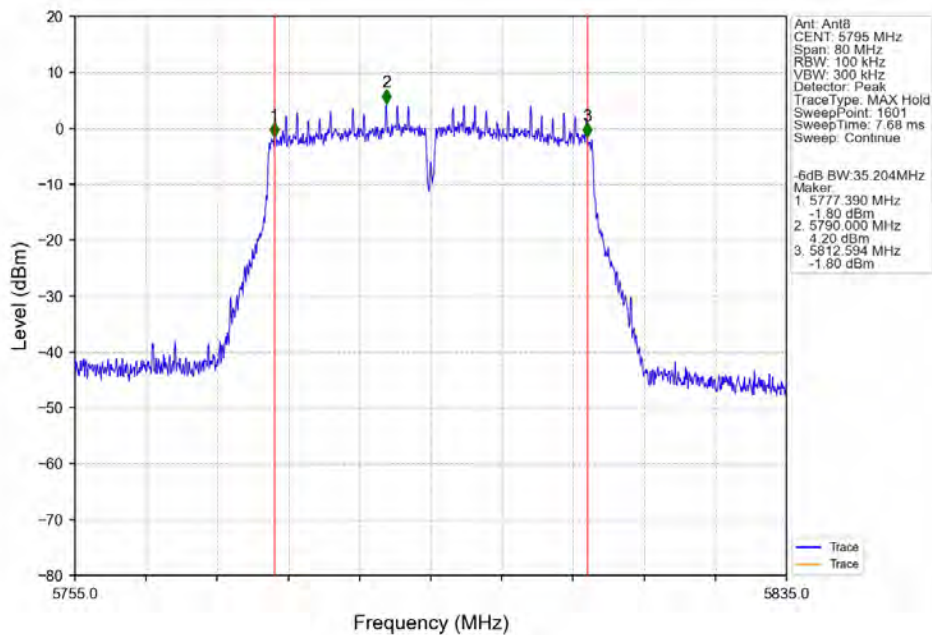
802.11n(HT20)_HCH_5825MHz_Ant8_NTNV



802.11n(HT40)_LCH_5755MHz_Ant8_NTNV



802.11n(HT40)_HCH_5795MHz_Ant8_NTNV



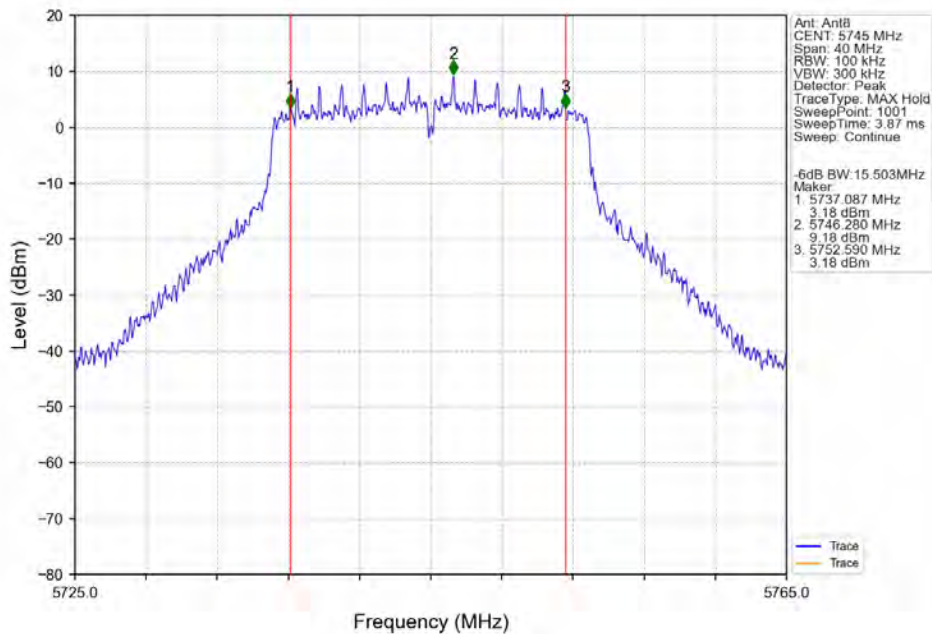
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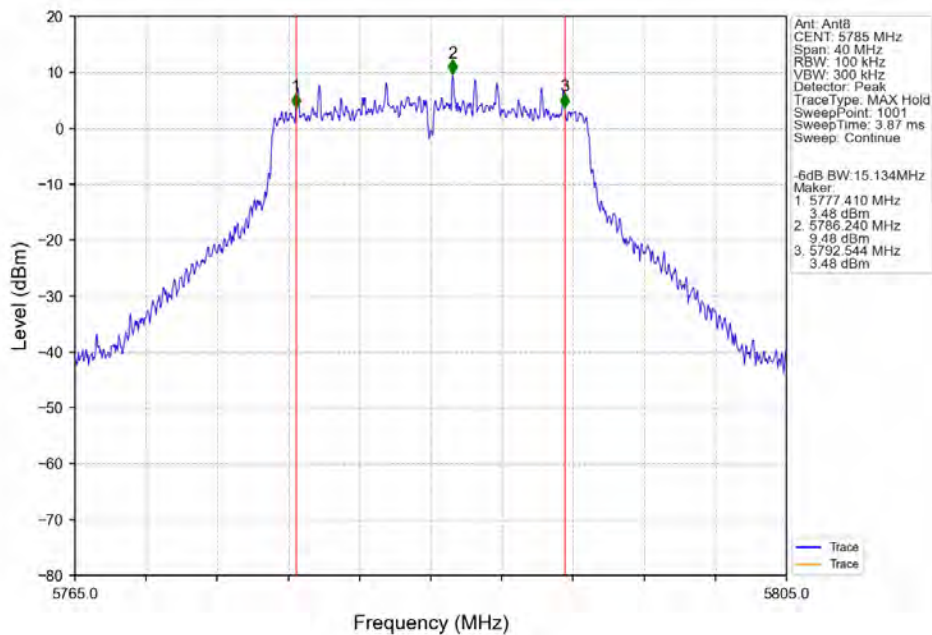
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802.11ac(VHT20)_LCH_5745MHz_Ant8_NTNV



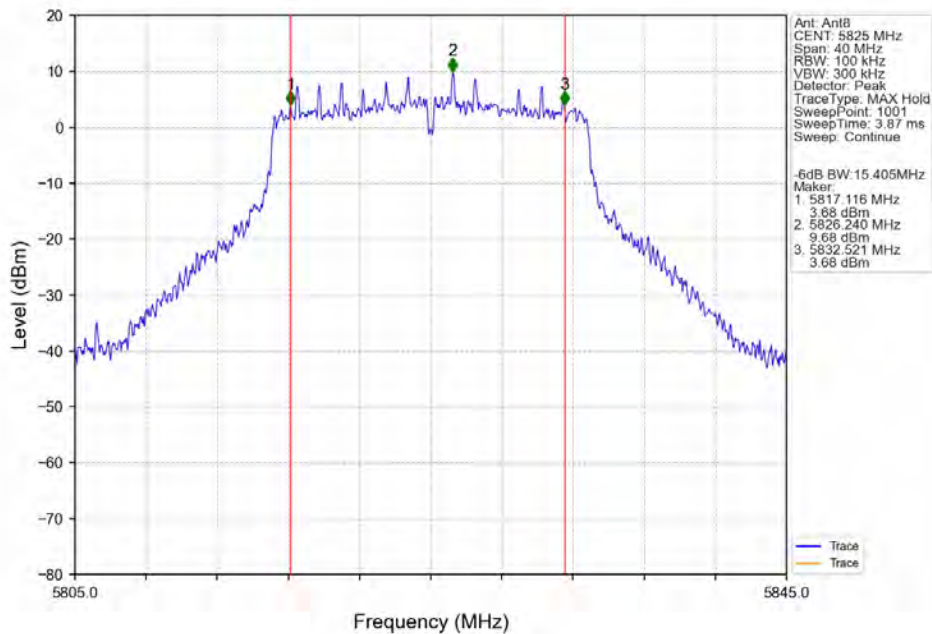
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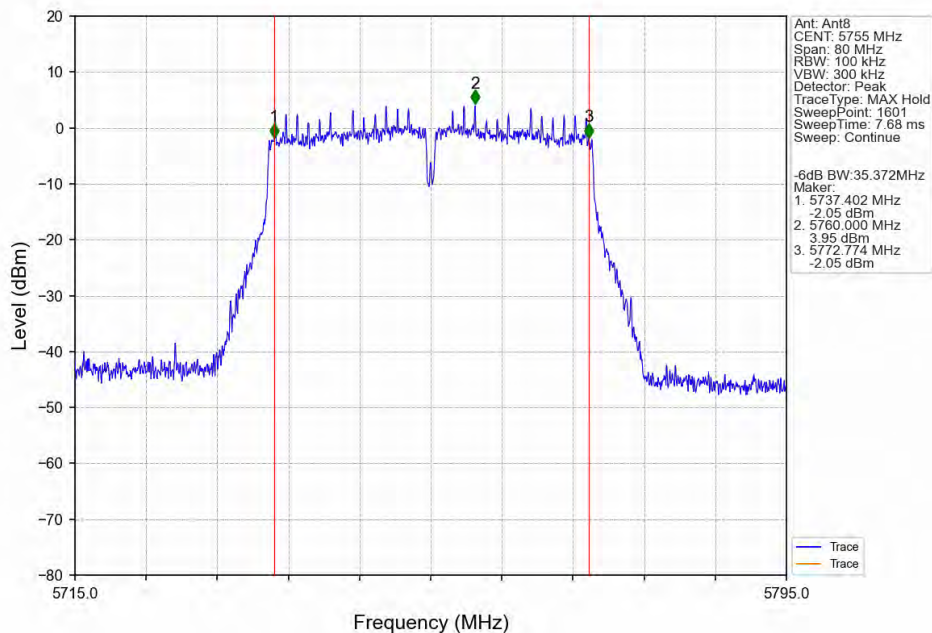
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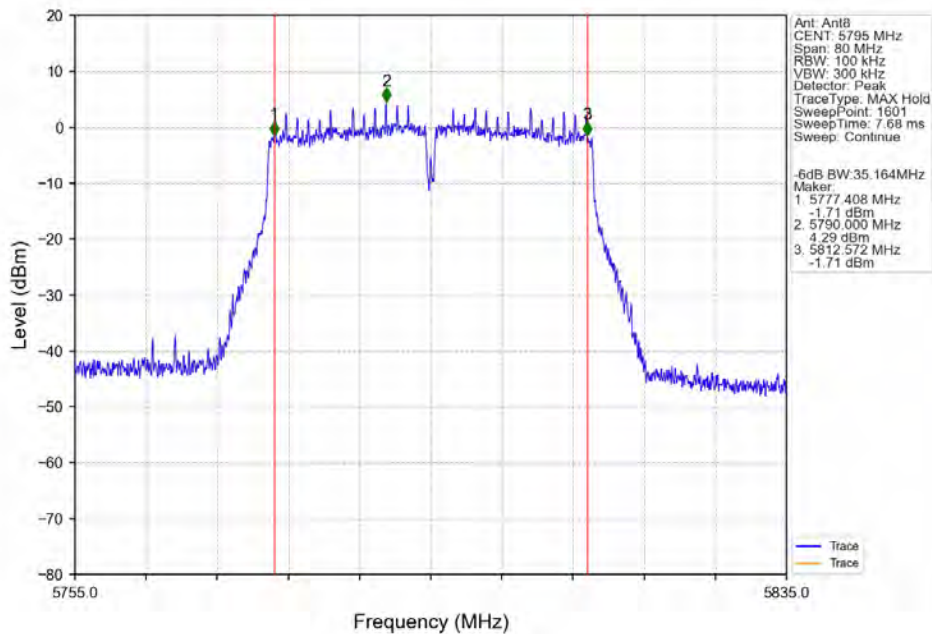
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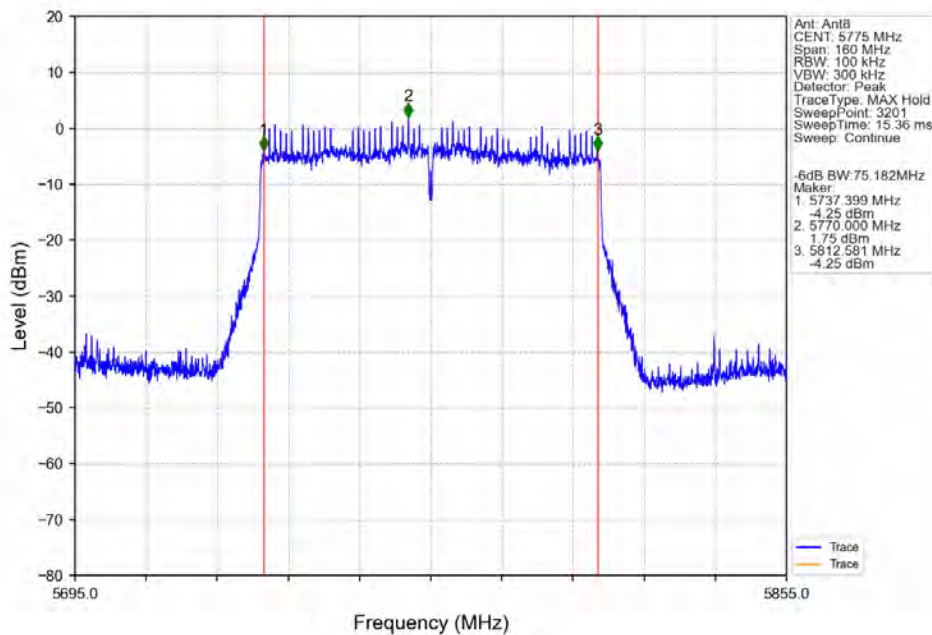
802.11ac(VHT40)_LCH_5755MHz_Ant8_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant8_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant8_NTNV



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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
			ANT8	Limit	
802.11a	SISO	5180	17.52	<=23.98	Pass
		5200	17.48	<=23.98	Pass
		5240	17.30	<=23.98	Pass
		5260	17.21	<=23.98	Pass
		5300	17.45	<=23.98	Pass
		5320	16.51	<=23.98	Pass
		5500	17.70	<=23.98	Pass
		5580	18.08	<=23.98	Pass
		5700	18.25	<=23.98	Pass
802.11n (HT20)	SISO	5180	17.44	<=23.98	Pass
		5200	17.26	<=23.98	Pass
		5240	17.12	<=23.98	Pass
		5260	17.01	<=23.98	Pass
		5300	17.10	<=23.98	Pass
		5320	16.11	<=23.98	Pass
		5500	15.91	<=23.98	Pass
		5580	17.88	<=23.98	Pass
		5700	18.14	<=23.98	Pass
802.11n (HT40)	SISO	5190	17.09	<=23.98	Pass
		5230	17.05	<=23.98	Pass
		5270	17.06	<=23.98	Pass
		5310	17.09	<=23.98	Pass
		5510	16.28	<=23.98	Pass
		5550	17.09	<=23.98	Pass
		5670	17.19	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	17.44	<=23.98	Pass
		5200	17.33	<=23.98	Pass
		5240	17.13	<=23.98	Pass
		5260	17.07	<=23.98	Pass
		5300	17.08	<=23.98	Pass
		5320	16.07	<=23.98	Pass

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		5500	15.91	≤ 23.98	Pass
		5580	17.90	≤ 23.98	Pass
		5700	18.14	≤ 23.98	Pass
802.11ac (VHT40)	SISO	5190	17.13	≤ 23.98	Pass
		5230	17.06	≤ 23.98	Pass
		5270	17.12	≤ 23.98	Pass
		5310	17.07	≤ 23.98	Pass
		5510	15.95	≤ 23.98	Pass
		5550	17.23	≤ 23.98	Pass
		5670	17.13	≤ 23.98	Pass
802.11ac (VHT80)	SISO	5210	15.95	≤ 23.98	Pass
		5290	12.19	≤ 23.98	Pass
		5530	13.67	≤ 23.98	Pass
		5610	18.19	≤ 23.98	Pass

Note1: Antenna Gain: Ant8: 0.50dBi;

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT8	Limit	
802.11a	SISO	5745	18.43	≤ 30	Pass
		5785	18.56	≤ 30	Pass
		5825	18.59	≤ 30	Pass
802.11n (HT20)	SISO	5745	18.22	≤ 30	Pass
		5785	18.38	≤ 30	Pass
		5825	18.40	≤ 30	Pass
802.11n (HT40)	SISO	5755	17.02	≤ 30	Pass
		5795	17.33	≤ 30	Pass
802.11ac (VHT20)	SISO	5745	18.22	≤ 30	Pass
		5785	18.38	≤ 30	Pass
		5825	18.39	≤ 30	Pass
802.11ac (VHT40)	SISO	5755	17.06	≤ 30	Pass
		5795	17.31	≤ 30	Pass
802.11ac (VHT80)	SISO	5775	16.60	≤ 30	Pass

Note1: Antenna Gain: Ant8: 0.50dBi;



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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
			ANT8	Limit	
802.11a	SISO	5180	6.99	<=11	Pass
		5200	7.02	<=11	Pass
		5240	6.88	<=11	Pass
		5260	6.57	<=11	Pass
		5300	6.76	<=11	Pass
		5320	5.90	<=11	Pass
		5500	7.26	<=11	Pass
		5580	7.40	<=11	Pass
		5700	7.75	<=11	Pass
802.11n (HT20)	SISO	5180	6.54	<=11	Pass
		5200	6.25	<=11	Pass
		5240	6.28	<=11	Pass
		5260	6.12	<=11	Pass
		5300	6.30	<=11	Pass
		5320	5.40	<=11	Pass
		5500	5.09	<=11	Pass
		5580	6.97	<=11	Pass
		5700	7.31	<=11	Pass
802.11n (HT40)	SISO	5190	3.13	<=11	Pass
		5230	2.94	<=11	Pass
		5270	3.25	<=11	Pass
		5310	3.10	<=11	Pass
		5510	2.40	<=11	Pass
		5550	3.12	<=11	Pass
		5670	3.24	<=11	Pass
802.11ac (VHT20)	SISO	5180	6.44	<=11	Pass
		5200	6.56	<=11	Pass
		5240	6.23	<=11	Pass
		5260	6.23	<=11	Pass
		5300	6.26	<=11	Pass
		5320	5.17	<=11	Pass
		5500	5.05	<=11	Pass



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SZEMC-TRF-01 Rev. A/1

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		5580	7.11	<=11	Pass
		5700	7.27	<=11	Pass
802.11ac (VHT40)	SISO	5190	3.20	<=11	Pass
		5230	3.07	<=11	Pass
		5270	2.42	<=11	Pass
		5310	3.27	<=11	Pass
		5510	2.13	<=11	Pass
		5550	3.28	<=11	Pass
		5670	3.28	<=11	Pass
802.11ac (VHT80)	SISO	5210	-1.08	<=11	Pass
		5290	-4.76	<=11	Pass
		5530	-3.40	<=11	Pass
		5610	1.11	<=11	Pass

Note1: Antenna Gain: Ant8: 0.50dBi;

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT8	Limit	
802.11a	SISO	5745	5.37	<=30	Pass
		5785	5.25	<=30	Pass
		5825	5.56	<=30	Pass
802.11n (HT20)	SISO	5745	4.64	<=30	Pass
		5785	4.87	<=30	Pass
		5825	4.85	<=30	Pass
802.11n (HT40)	SISO	5755	0.29	<=30	Pass
		5795	0.58	<=30	Pass
802.11ac (VHT20)	SISO	5745	4.60	<=30	Pass
		5785	4.78	<=30	Pass
		5825	4.90	<=30	Pass
802.11ac (VHT40)	SISO	5755	0.26	<=30	Pass
		5795	0.54	<=30	Pass
802.11ac (VHT80)	SISO	5775	-3.19	<=30	Pass

Note1: Antenna Gain: Ant8: 0.50dBi;



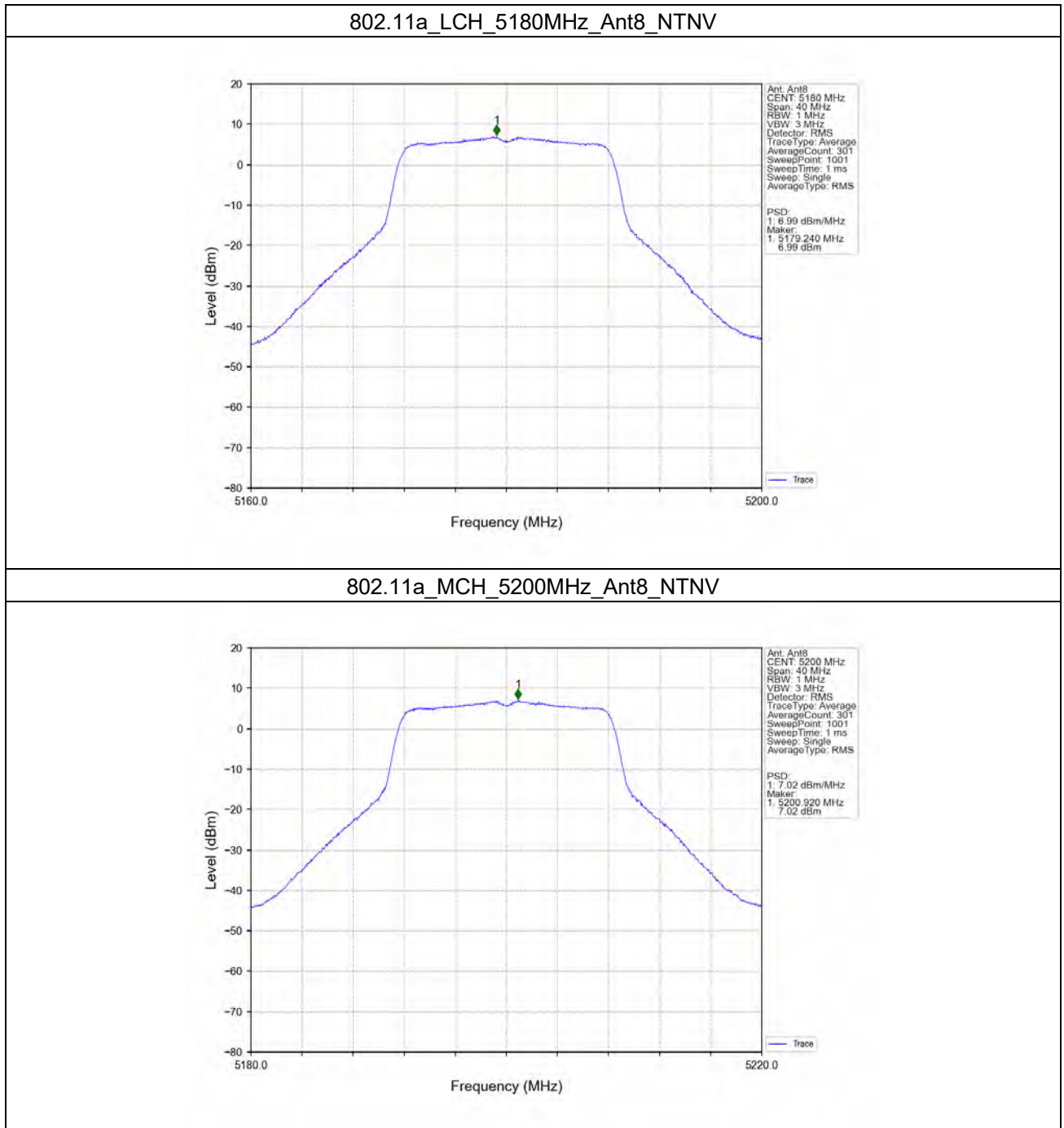
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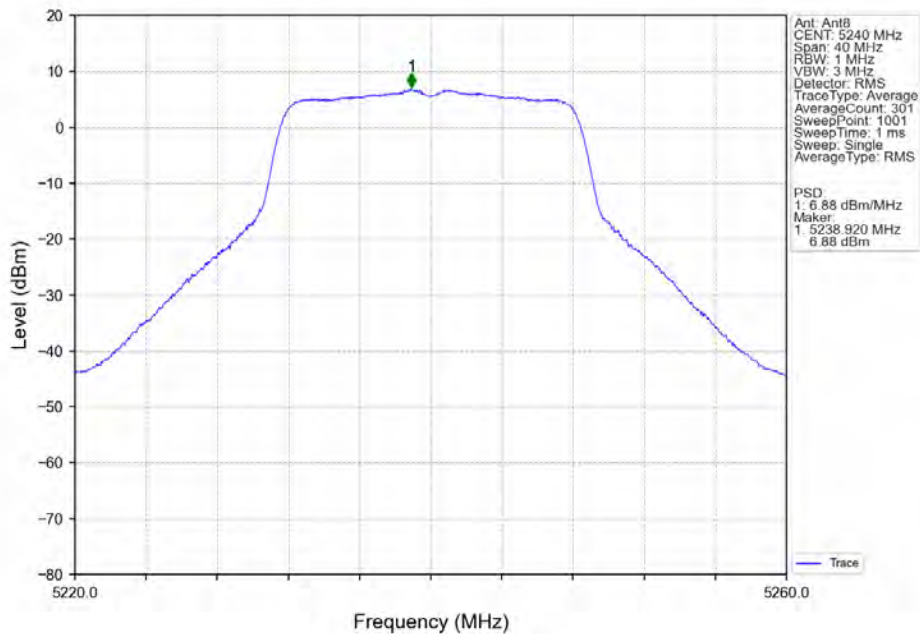
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4.2 Test Graph

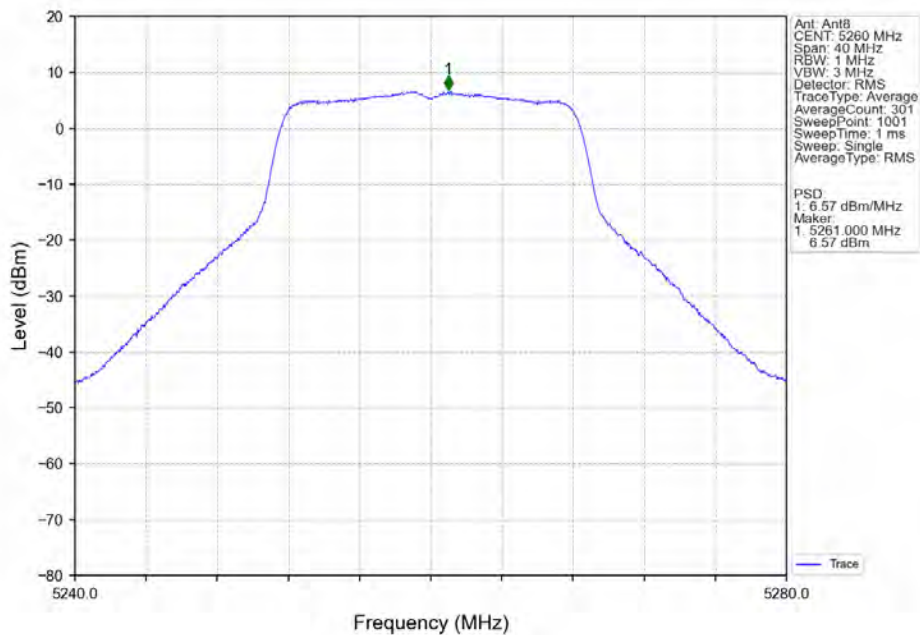
4.2.1 PSD



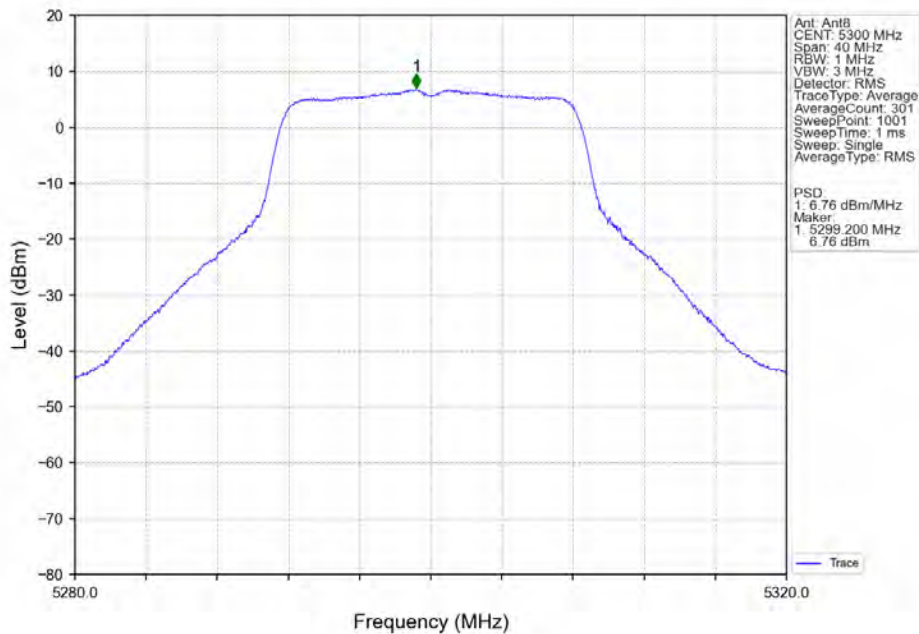
802.11a_HCH_5240MHz_Ant8_NTNV



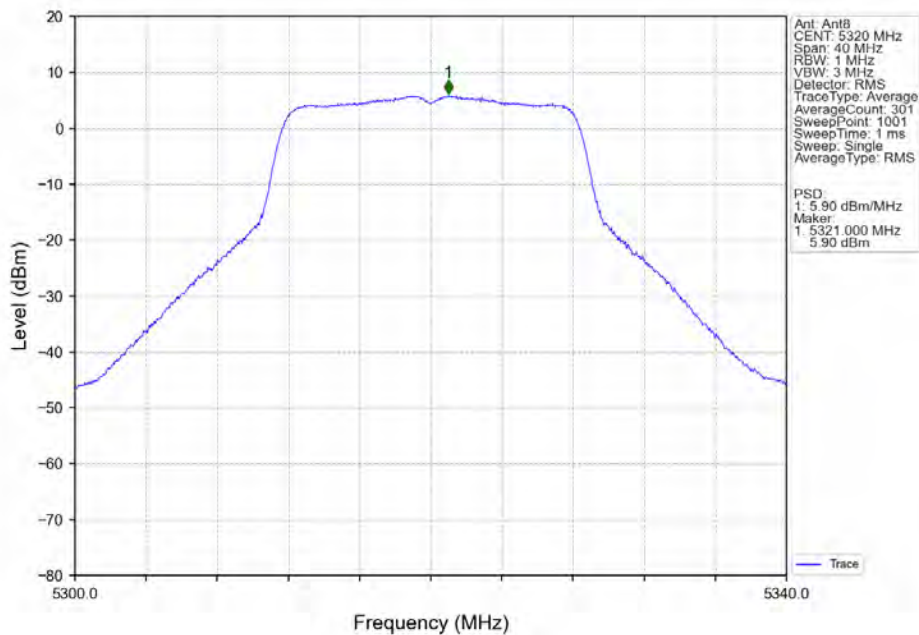
802.11a_LCH_5260MHz_Ant8_NTNV



802.11a_MCH_5300MHz_Ant8_NTNV



802.11a_HCH_5320MHz_Ant8_NTNV



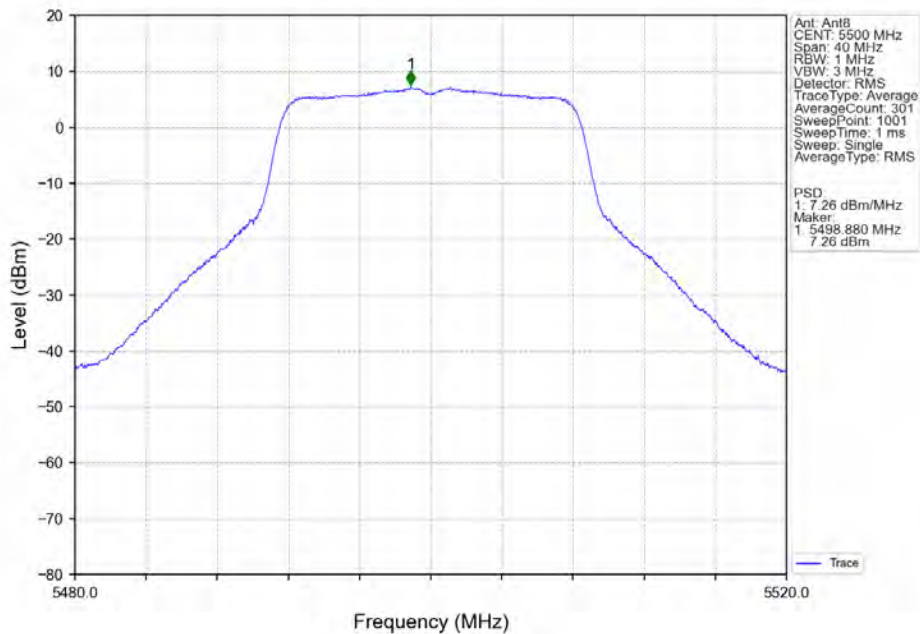
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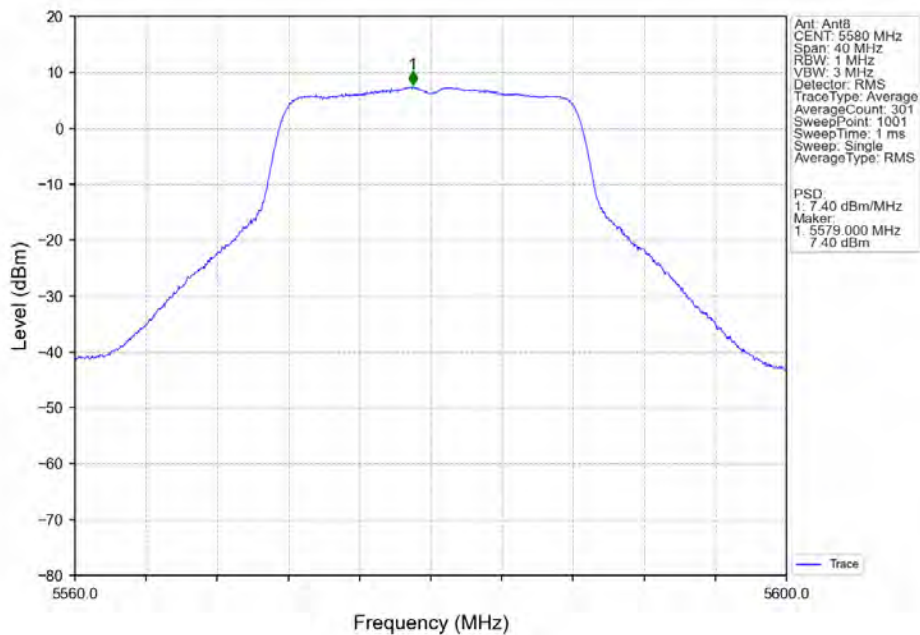
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802.11a_LCH_5500MHz_Ant8_NTNV



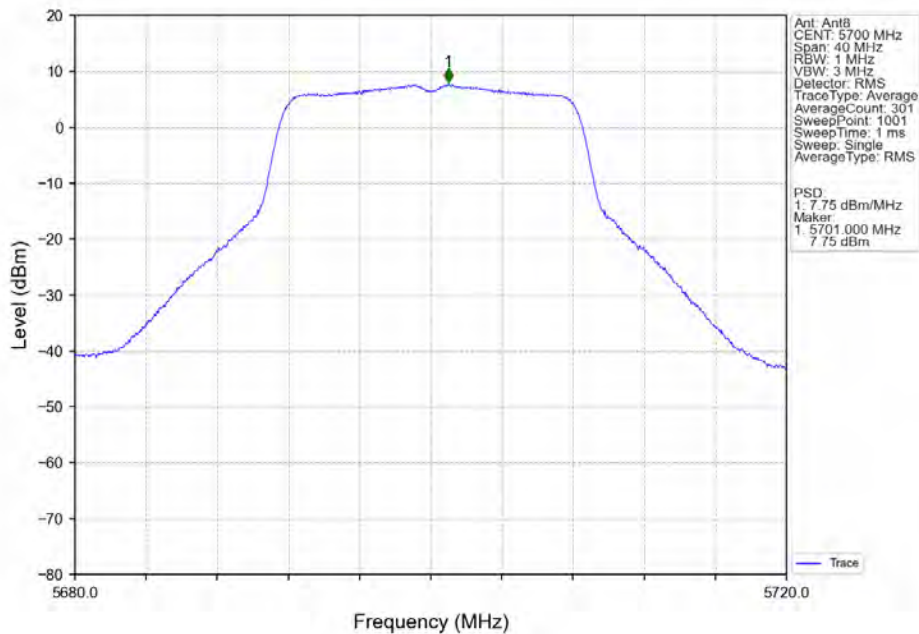
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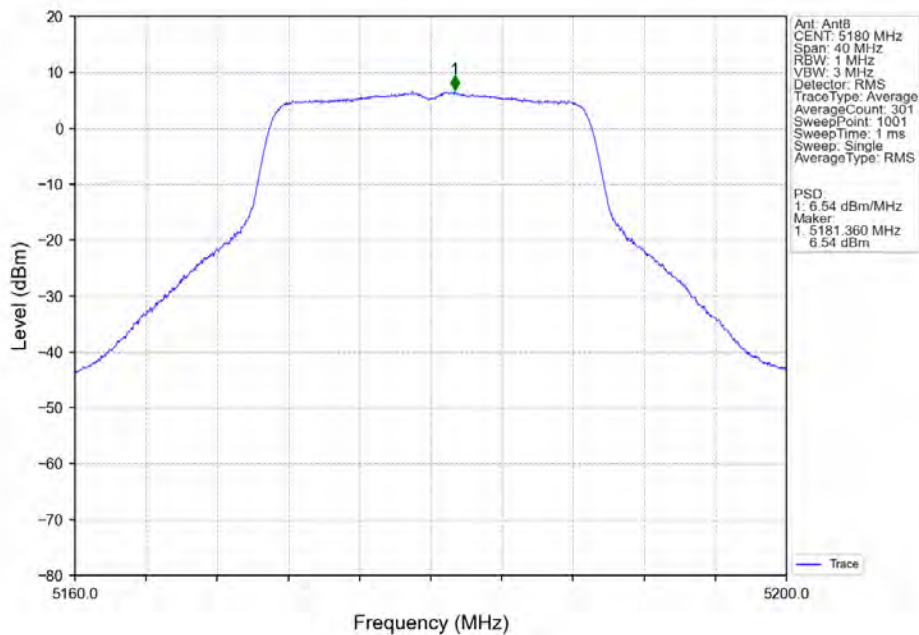
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802.11a_HCH_5700MHz_Ant8_NTNV



802.11n(HT20)_LCH_5180MHz_Ant8_NTNV



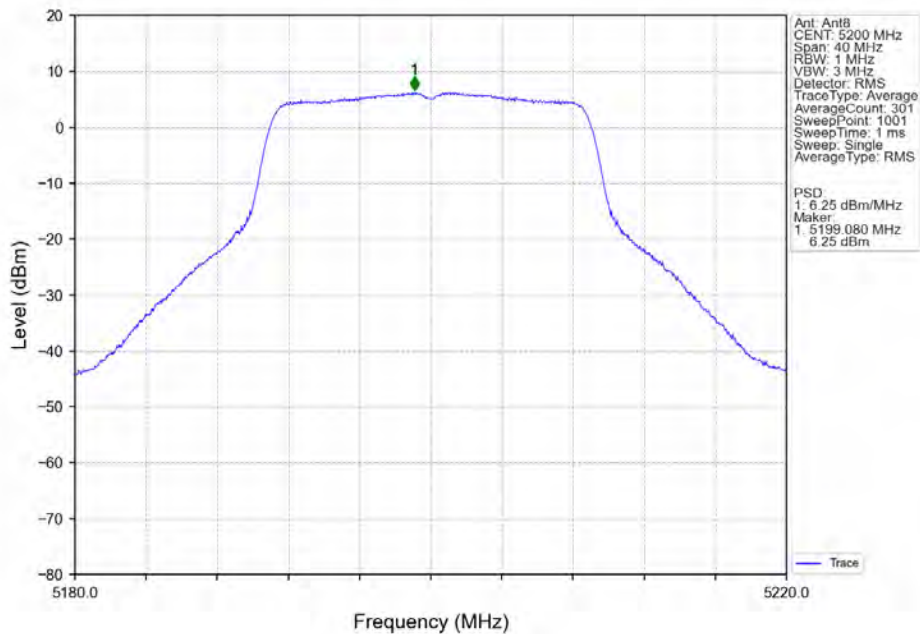
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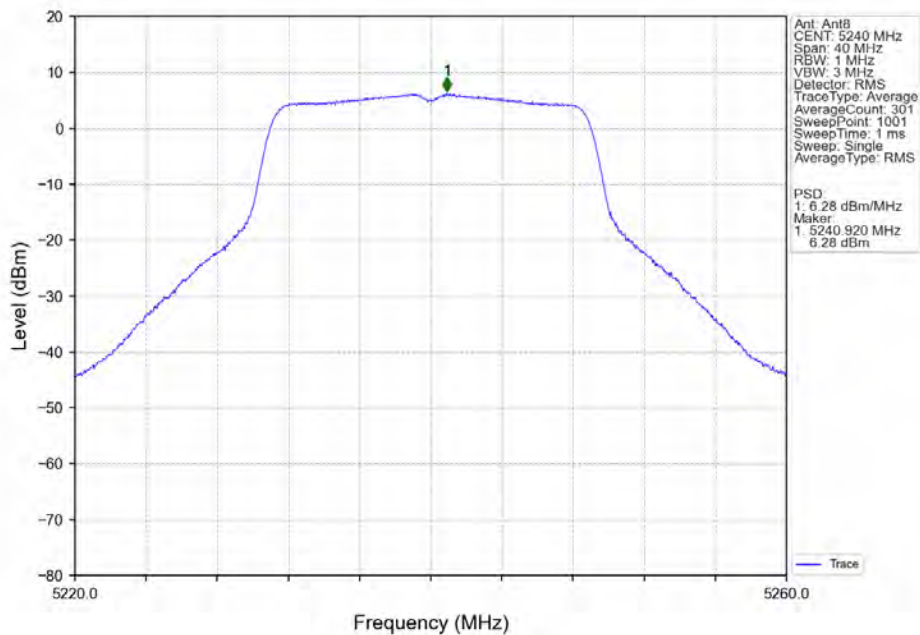
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802.11n(HT20)_MCH_5200MHz_Ant8_NTNV



802.11n(HT20)_HCH_5240MHz_Ant8_NTNV



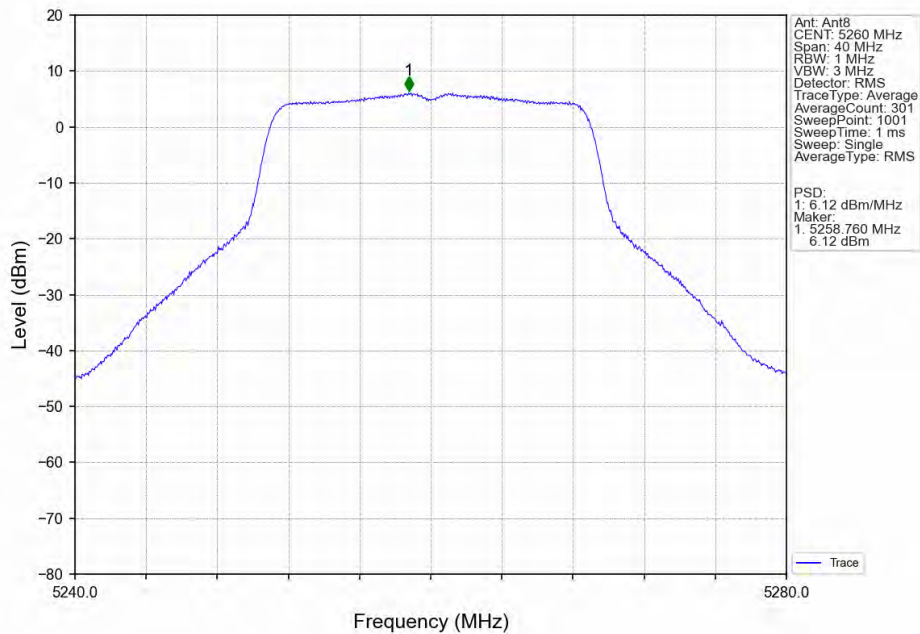
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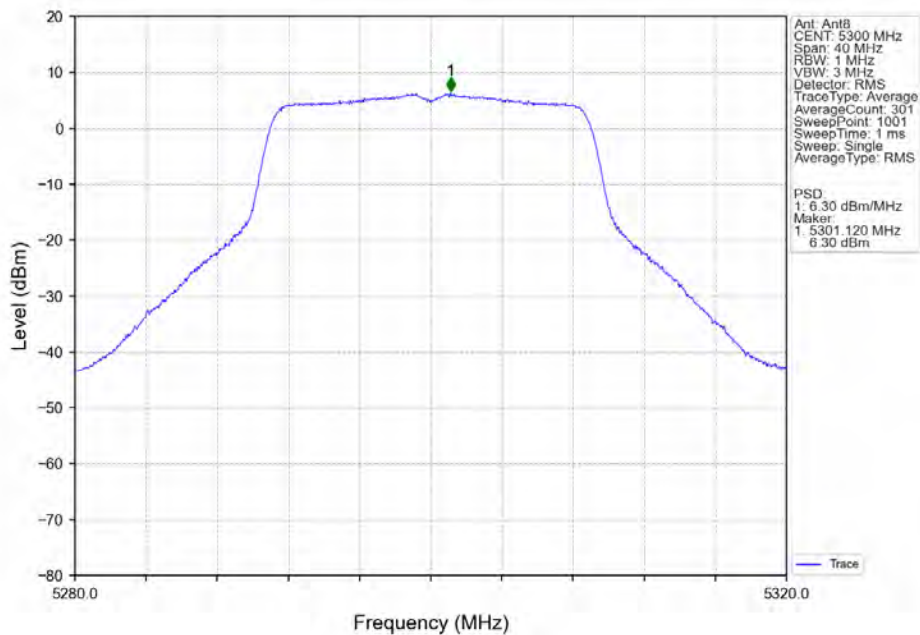
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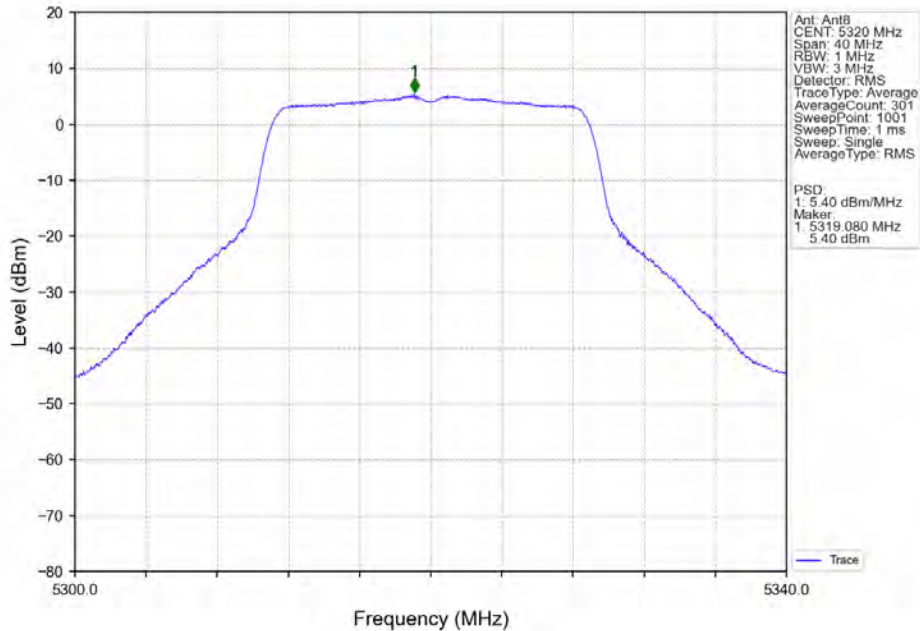
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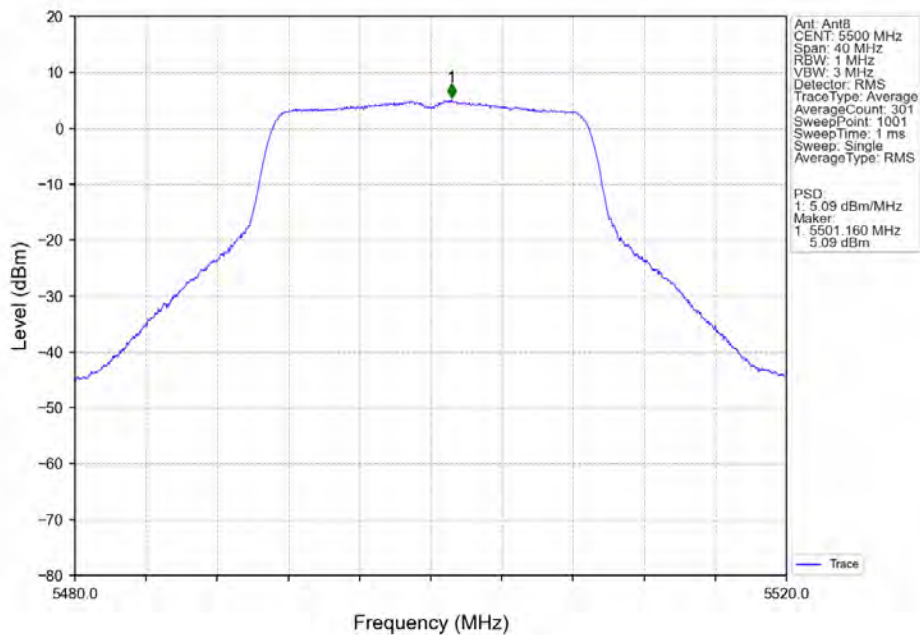
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802.11n(HT20)_HCH_5320MHz_Ant8_NTNV



802.11n(HT20)_LCH_5500MHz_Ant8_NTNV



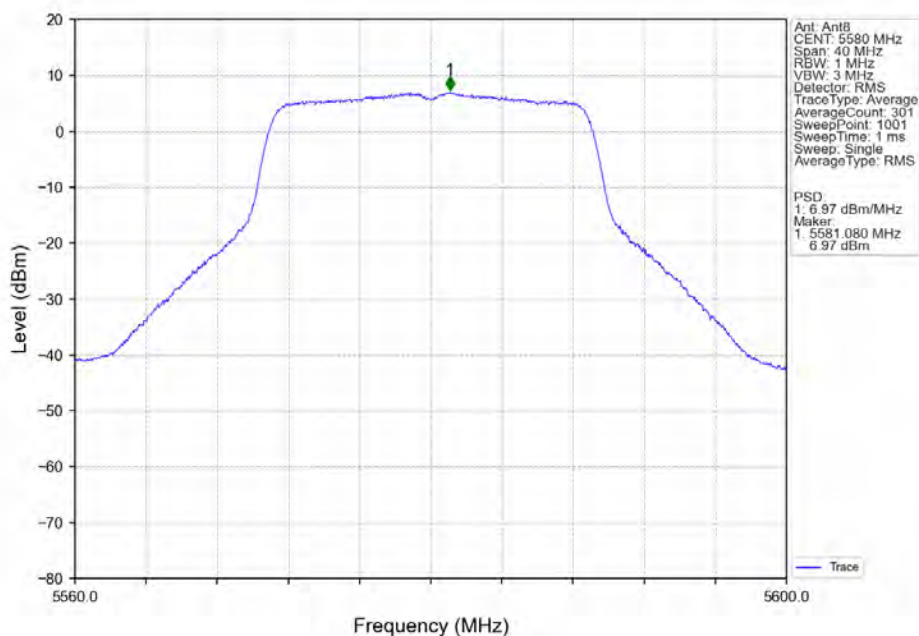
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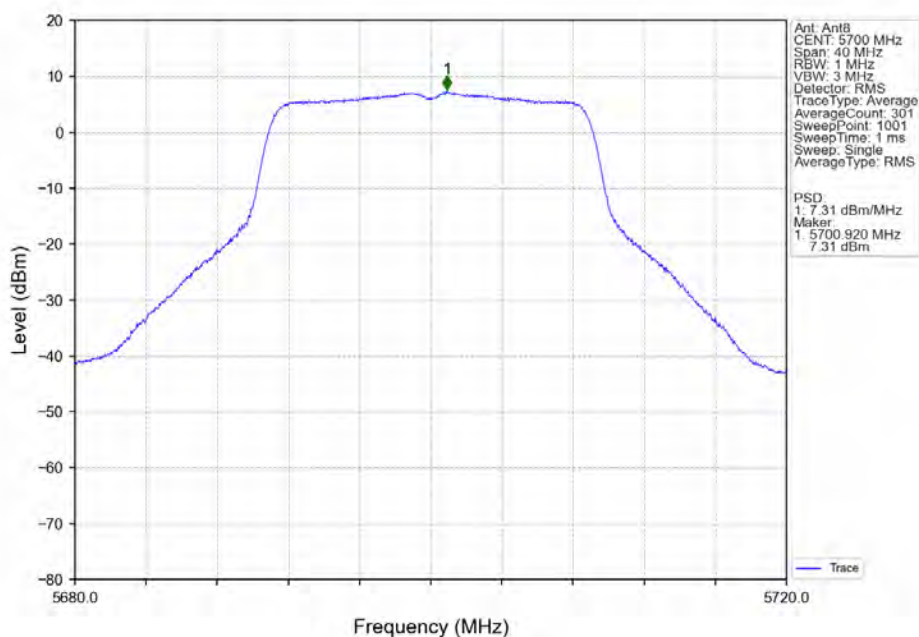
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802.11n(HT20)_MCH_5580MHz_Ant8_NTNV



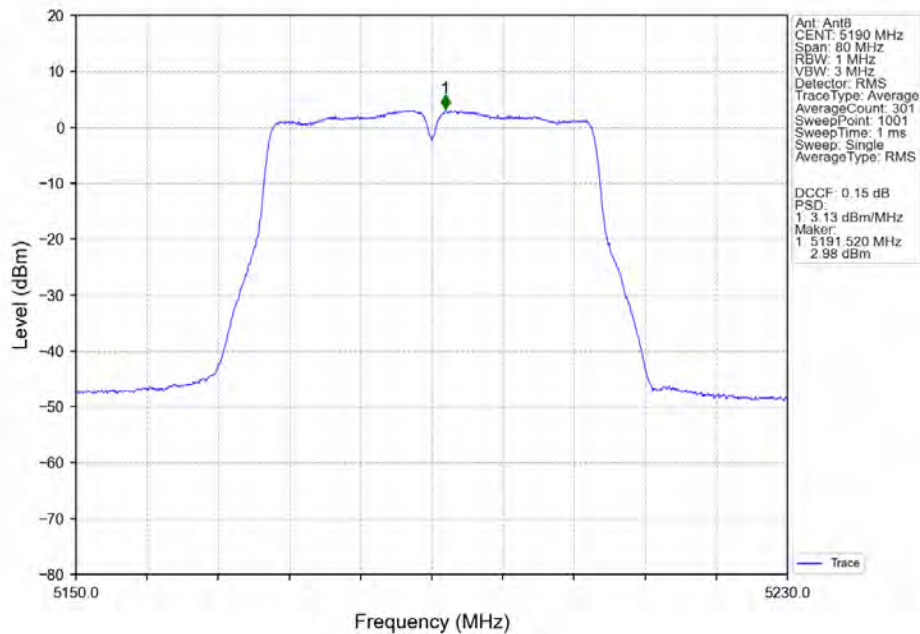
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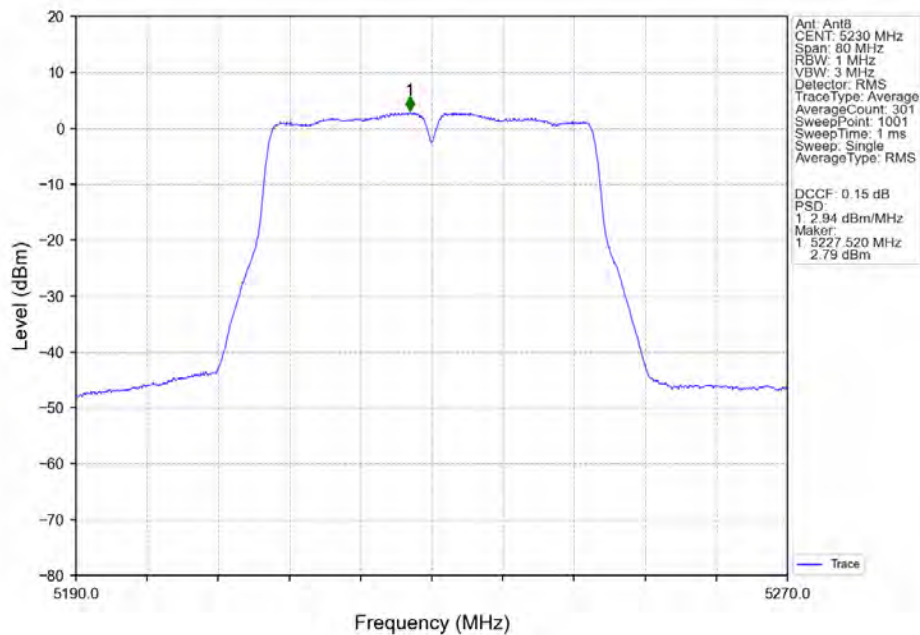
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802.11n(HT40)_LCH_5190MHz_Ant8_NTNV



802.11n(HT40)_HCH_5230MHz_Ant8_NTNV



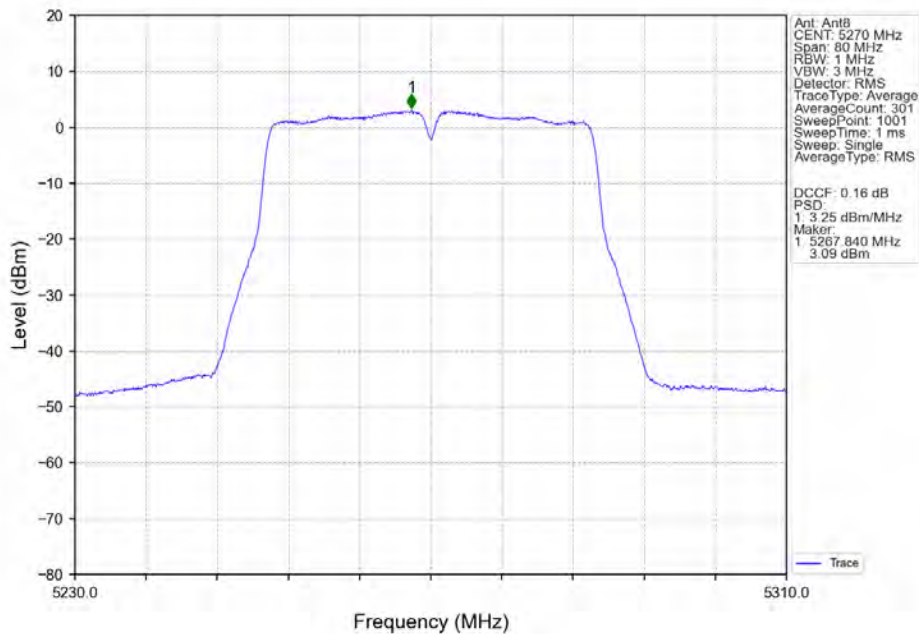
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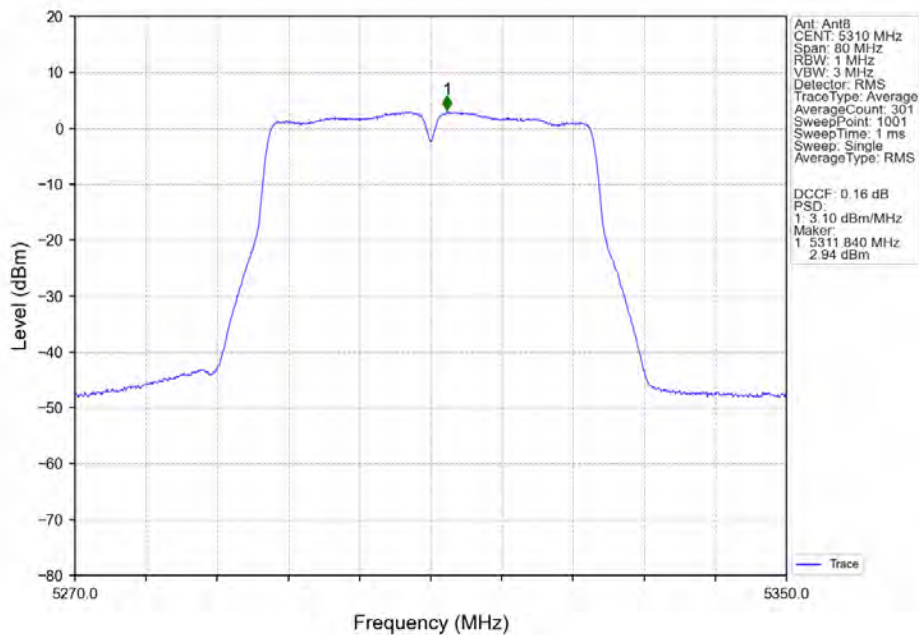
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802.11n(HT40)_LCH_5270MHz_Ant8_NTNV



802.11n(HT40)_HCH_5310MHz_Ant8_NTNV



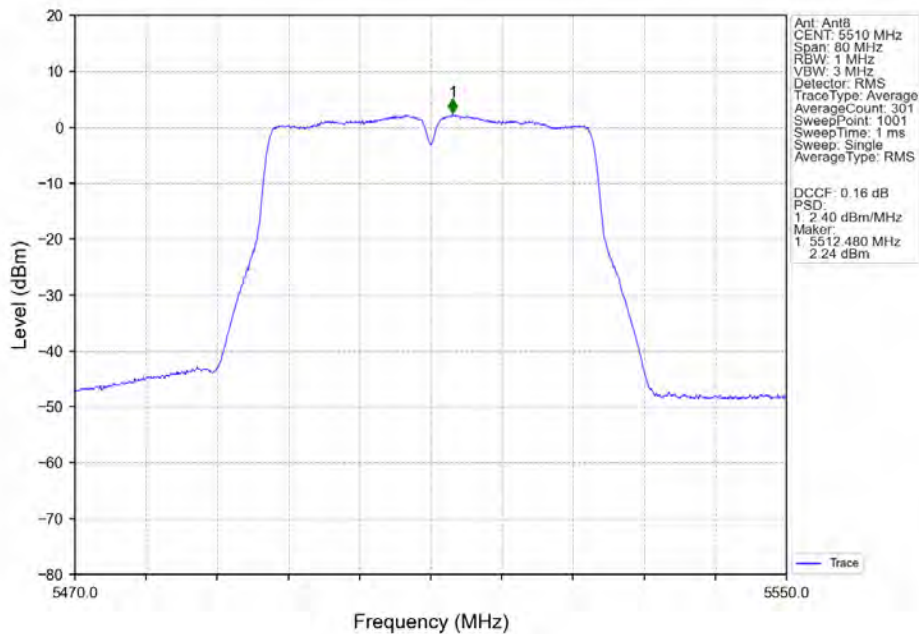
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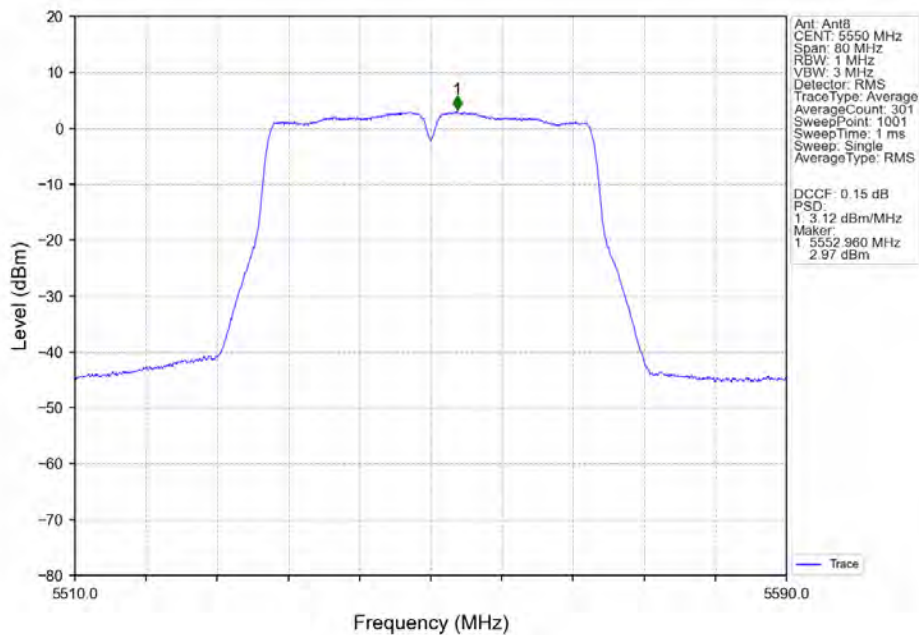
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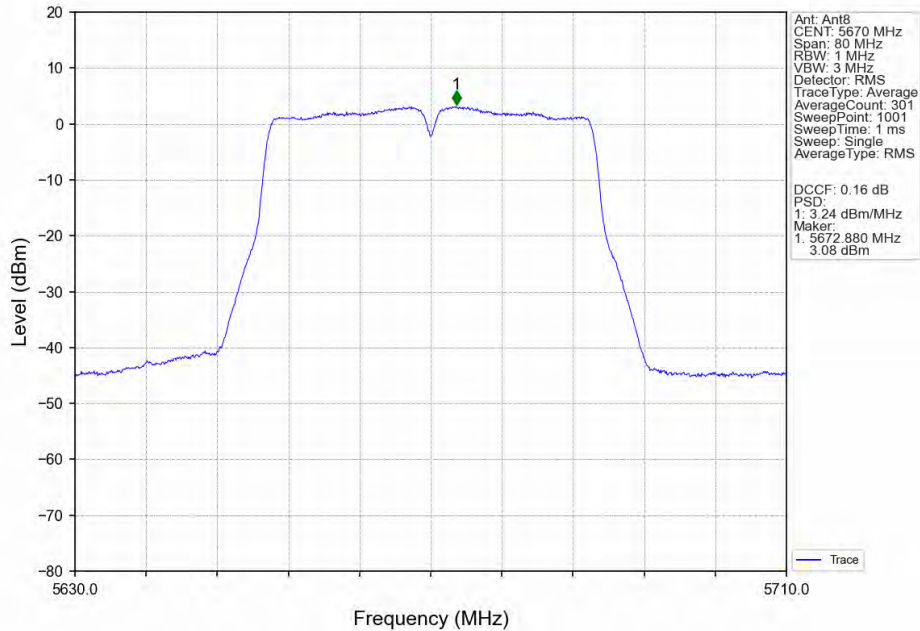
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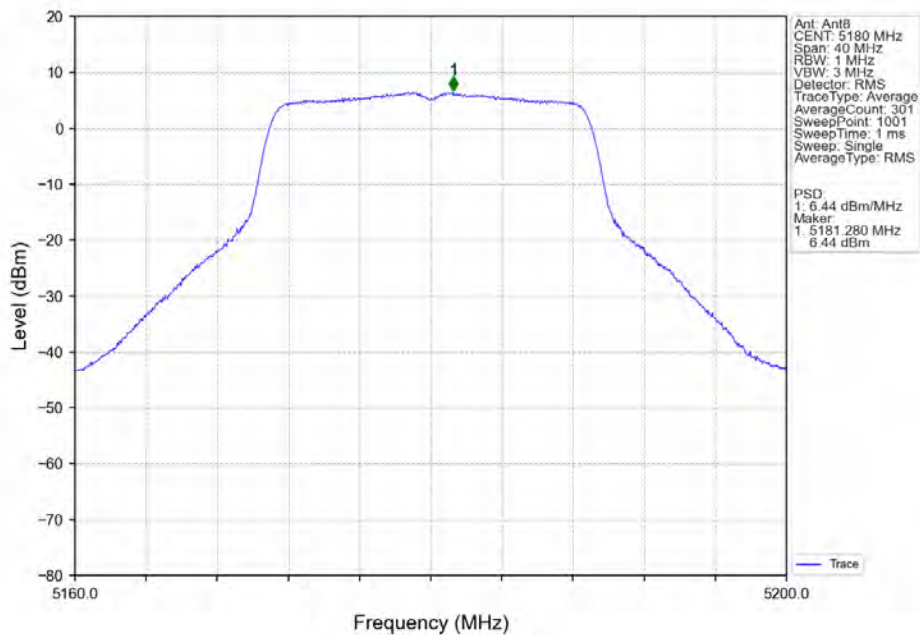
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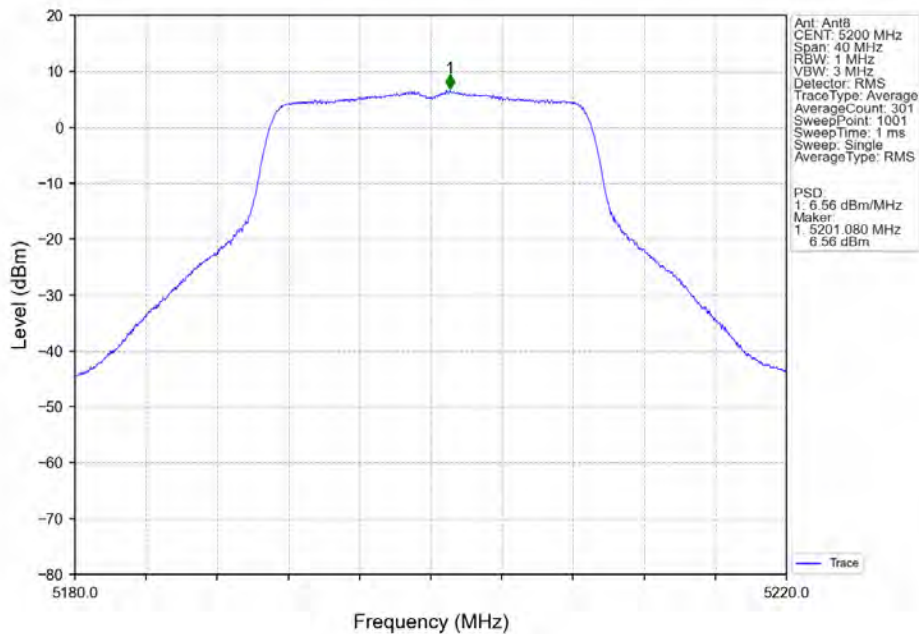
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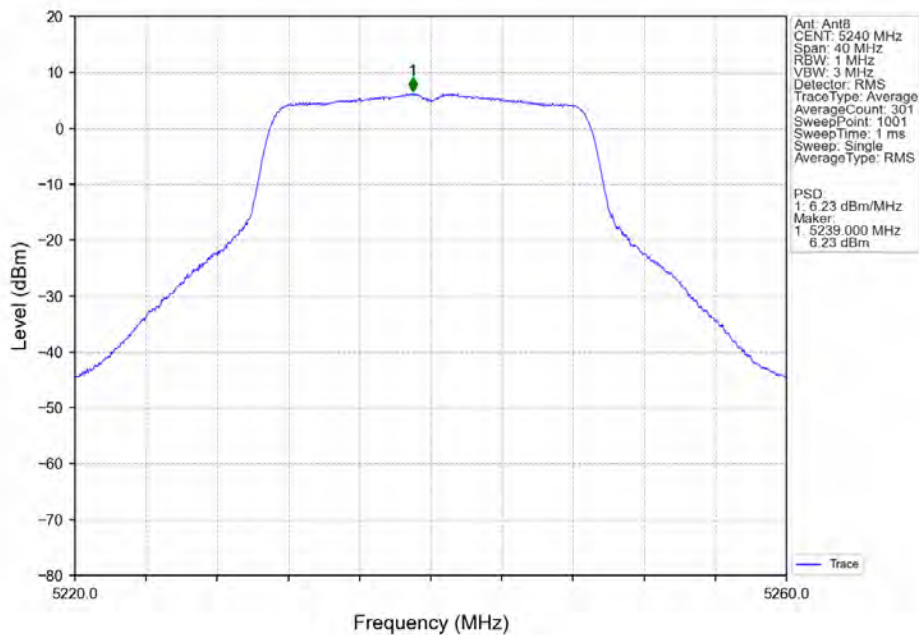
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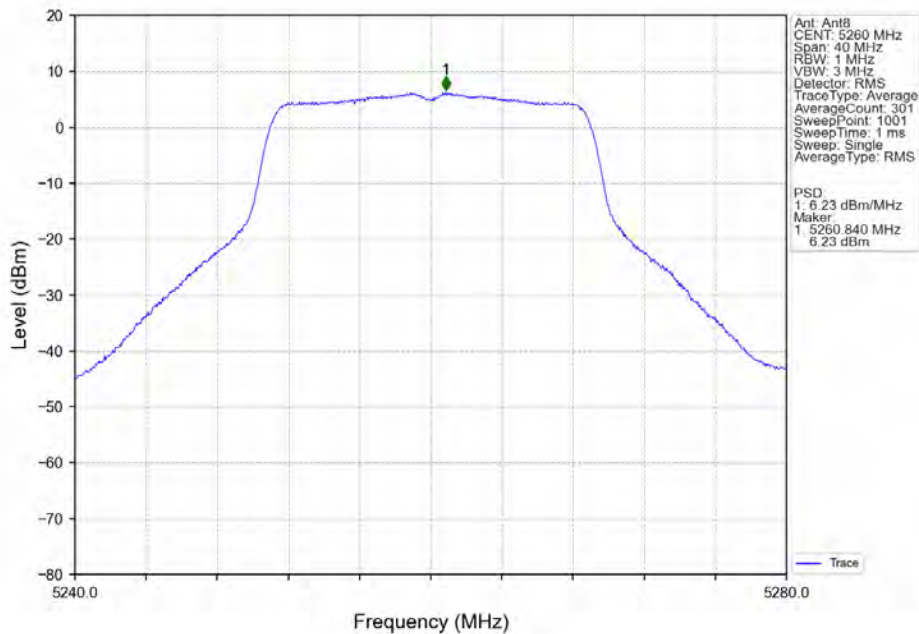
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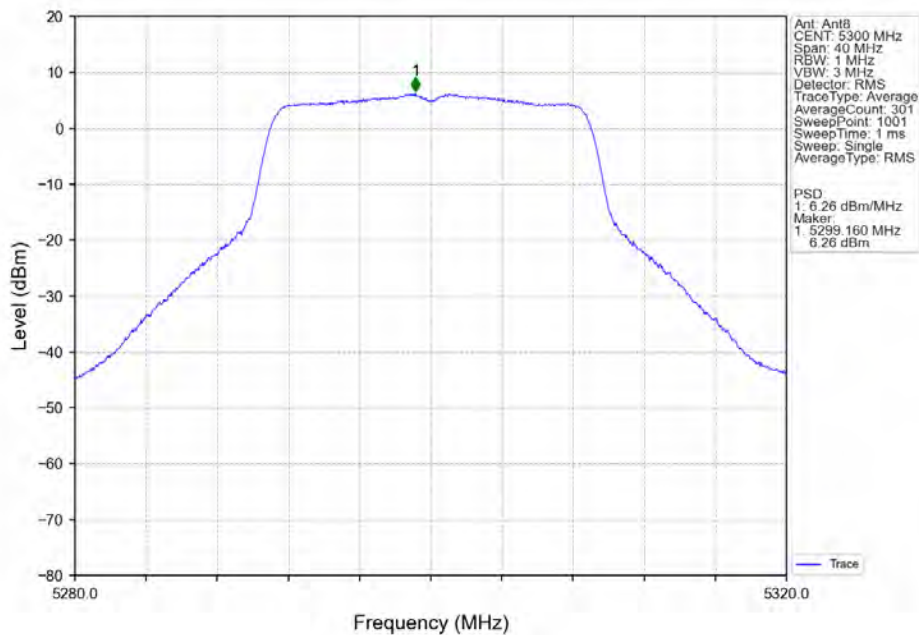
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802.11ac(VHT20)_LCH_5260MHz_Ant8_NTNV



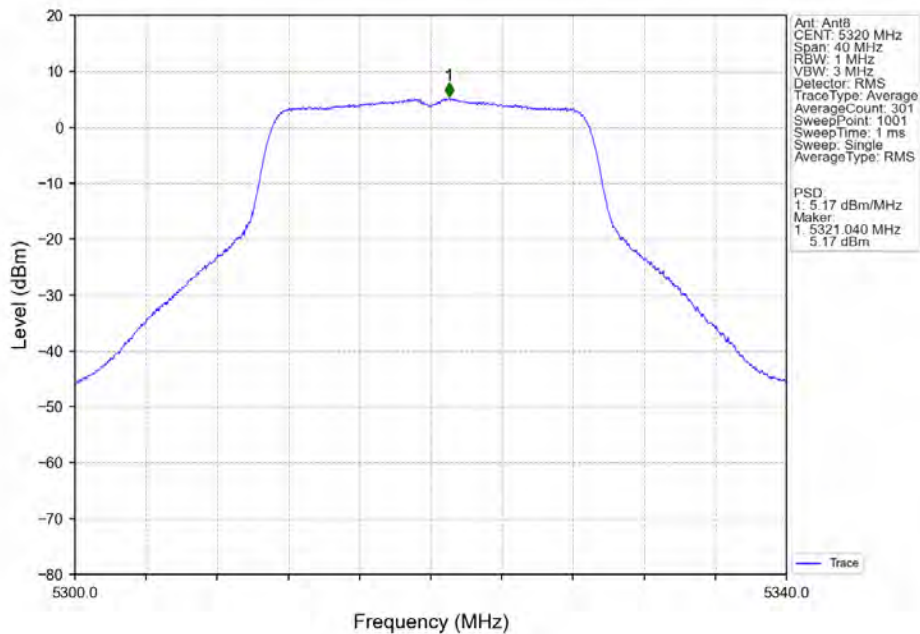
802.11ac(VHT20)_MCH_5300MHz_Ant8_NTNV



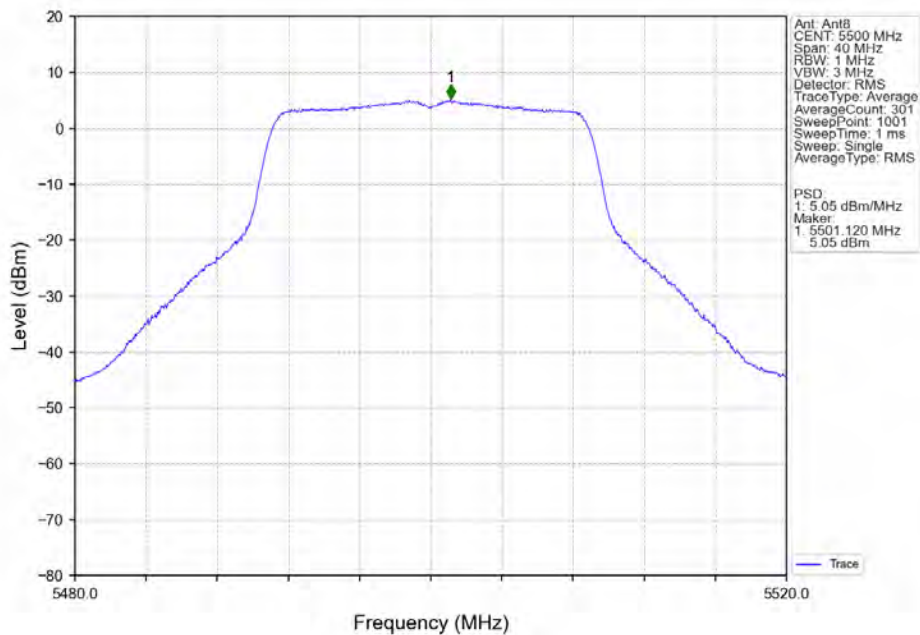
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802.11ac(VHT20)_HCH_5320MHz_Ant8_NTNV



802.11ac(VHT20)_LCH_5500MHz_Ant8_NTNV



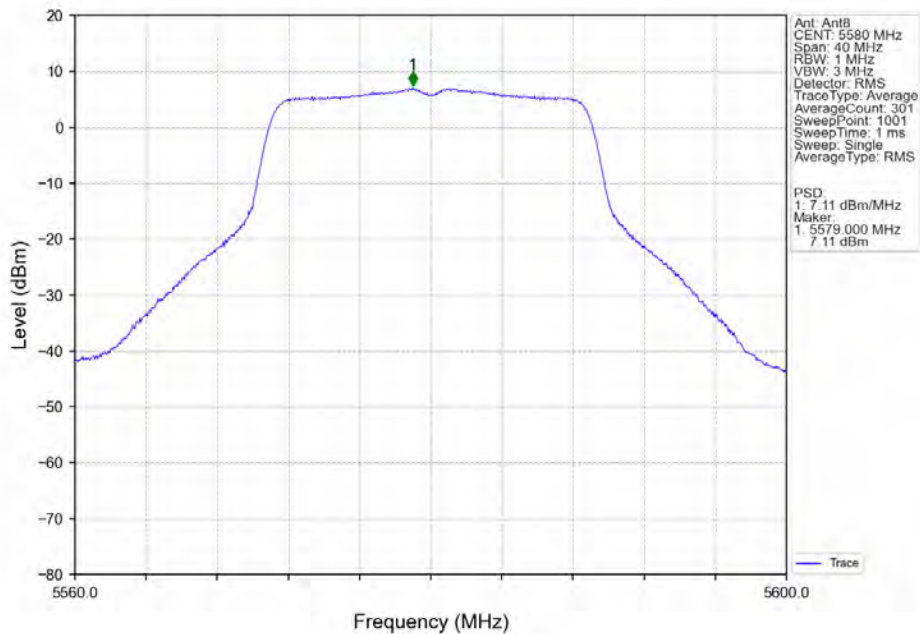
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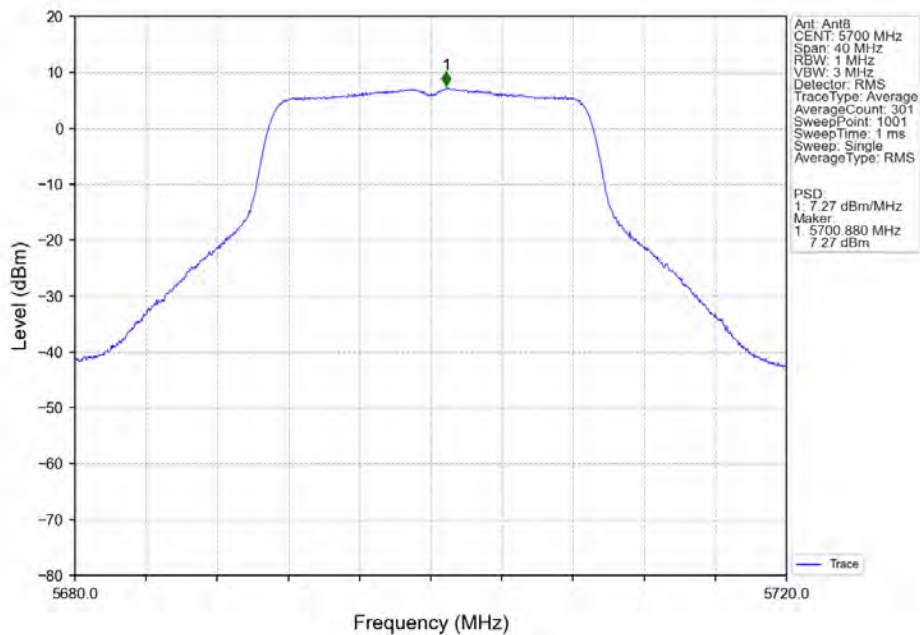
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802.11ac(VHT20)_MCH_5580MHz_Ant8_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant8_NTNV



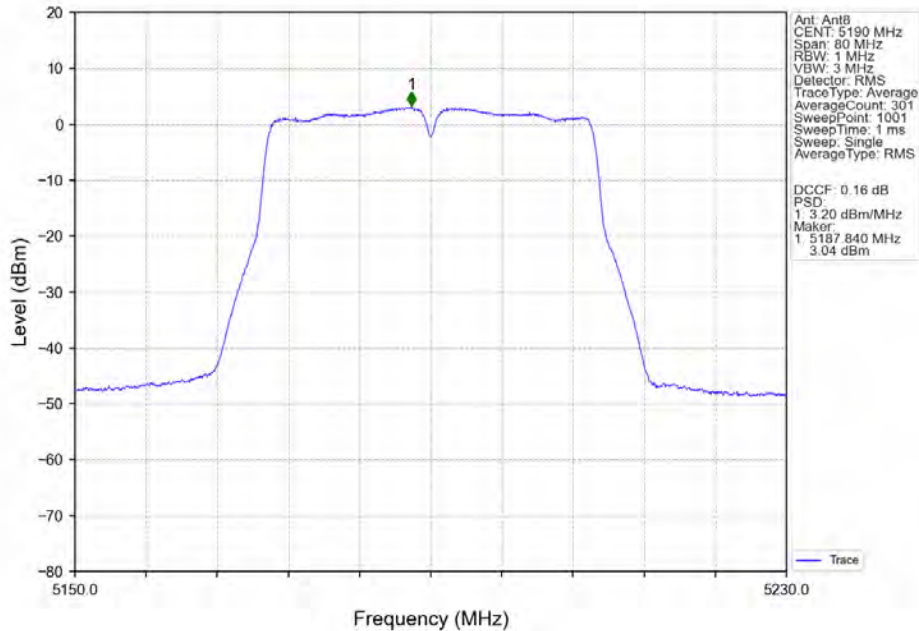
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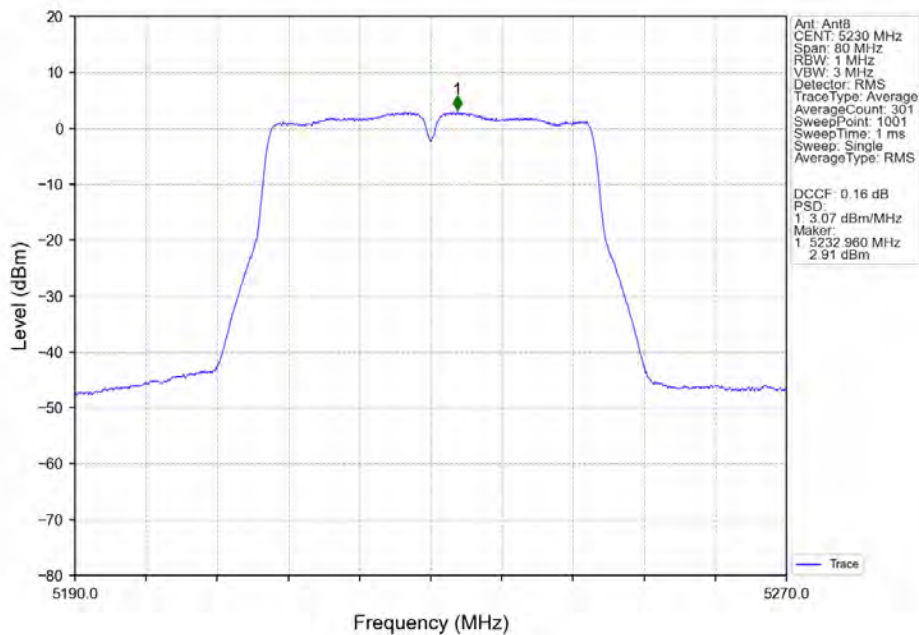
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802.11ac(VHT40)_LCH_5190MHz_Ant8_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant8_NTNV



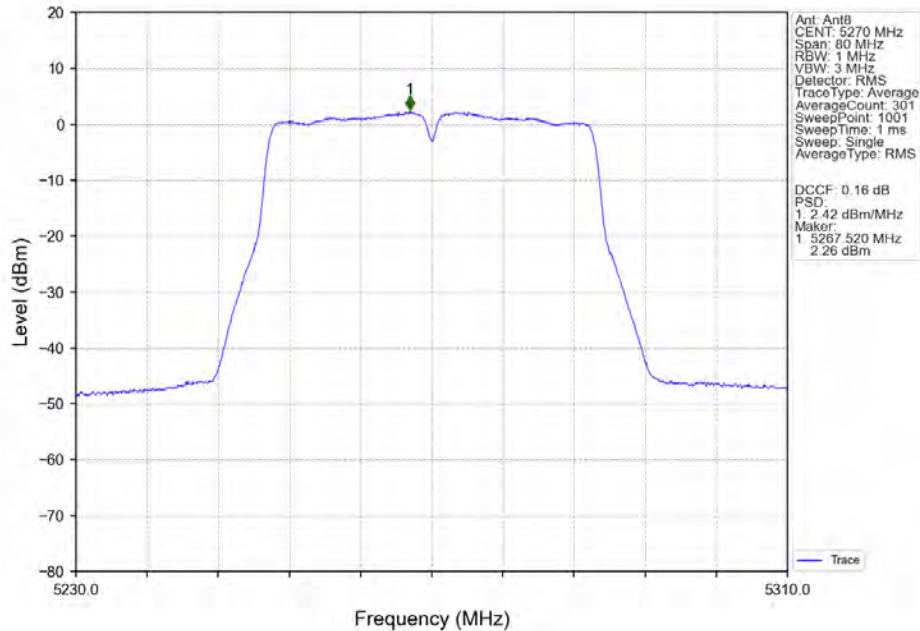
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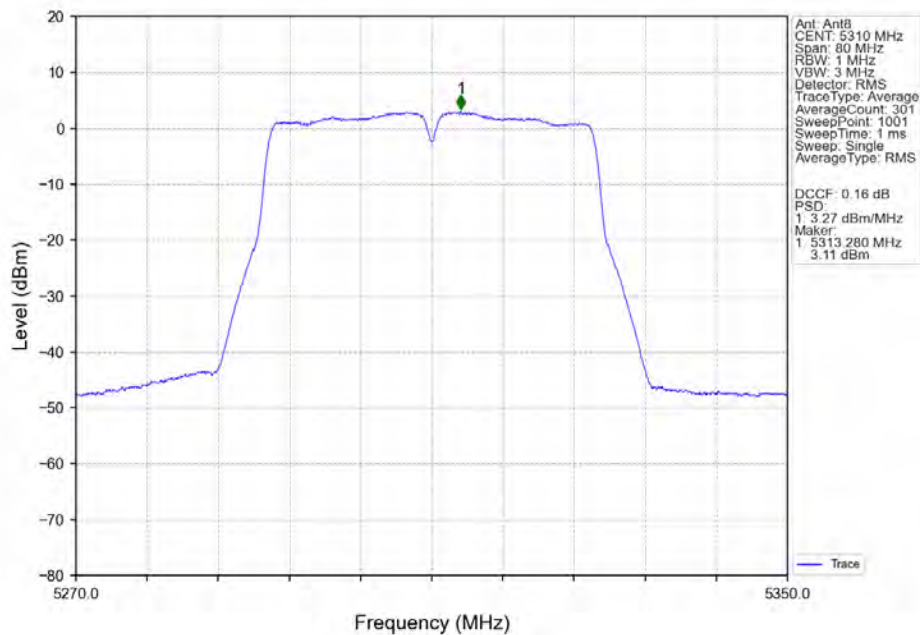
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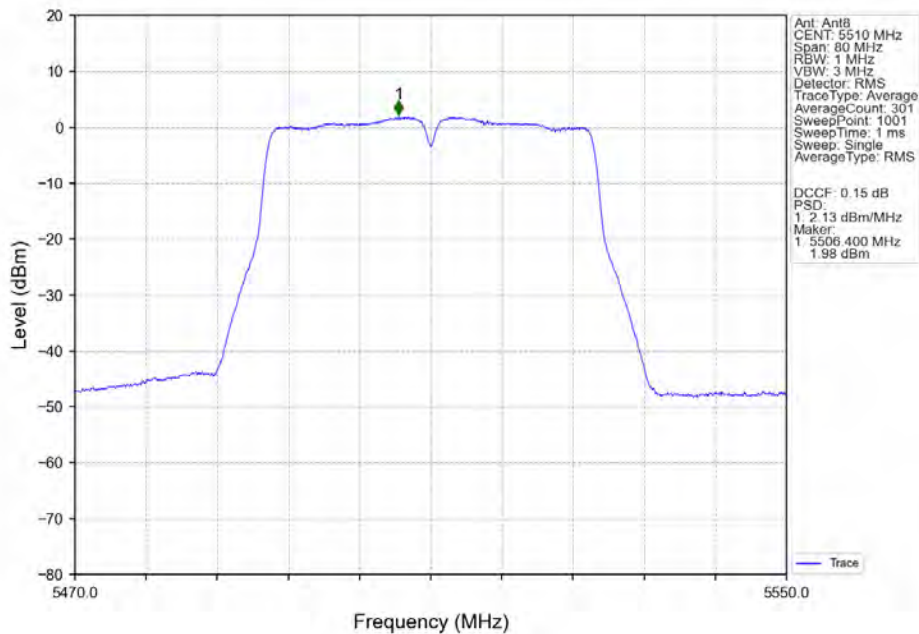
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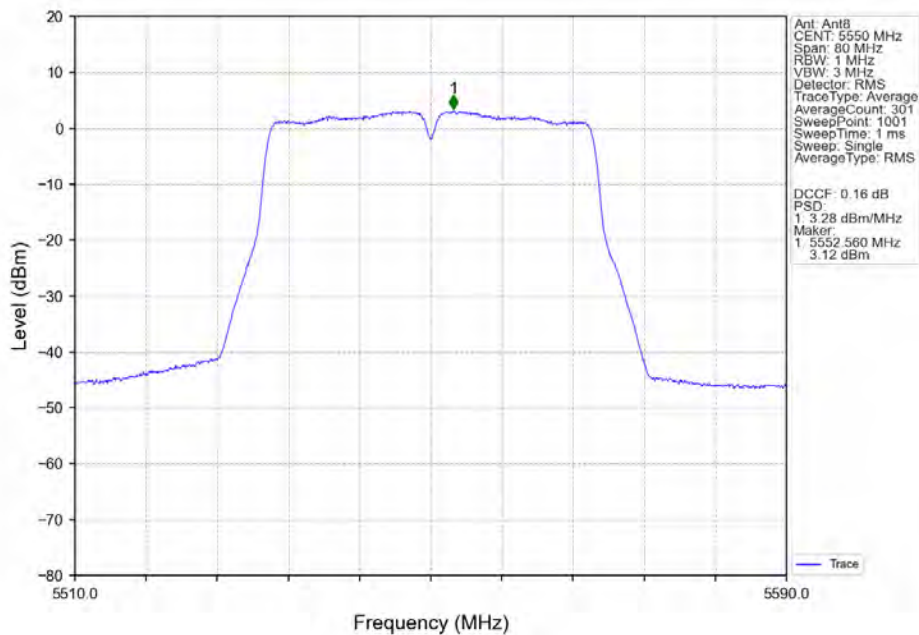
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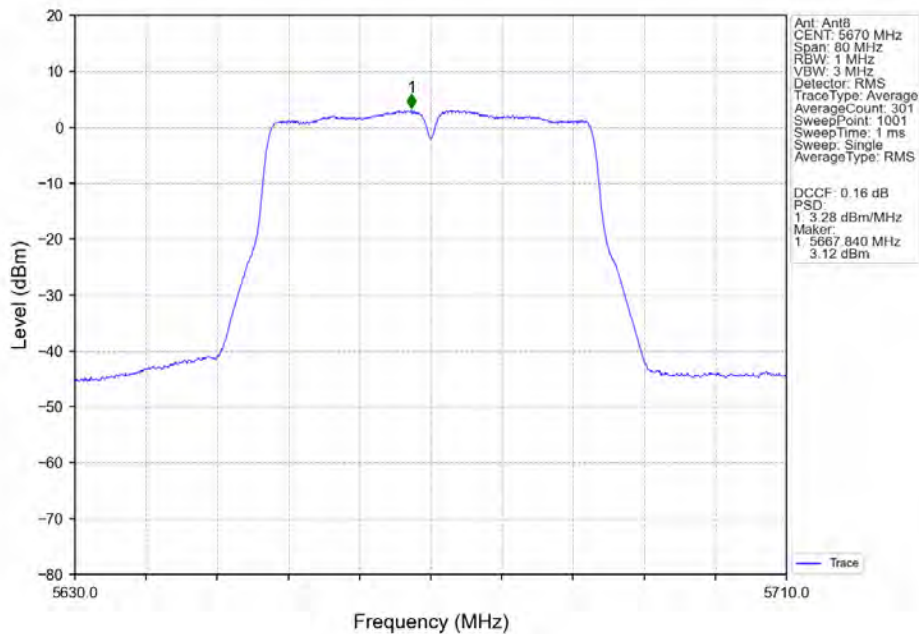
802.11ac(VHT40)_LCH_5510MHz_Ant8_NTNV



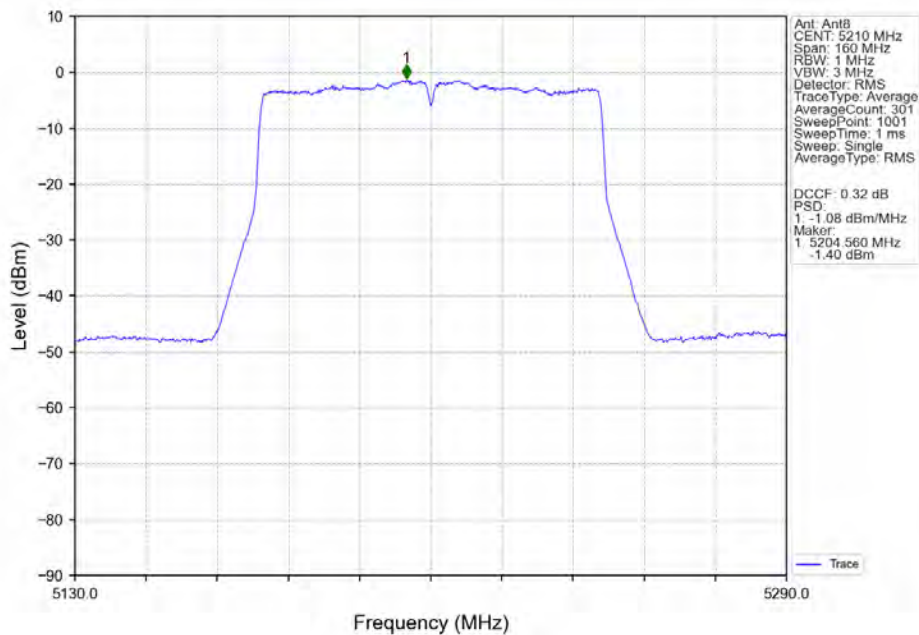
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802.11ac(VHT40)_HCH_5670MHz_Ant8_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant8_NTNV



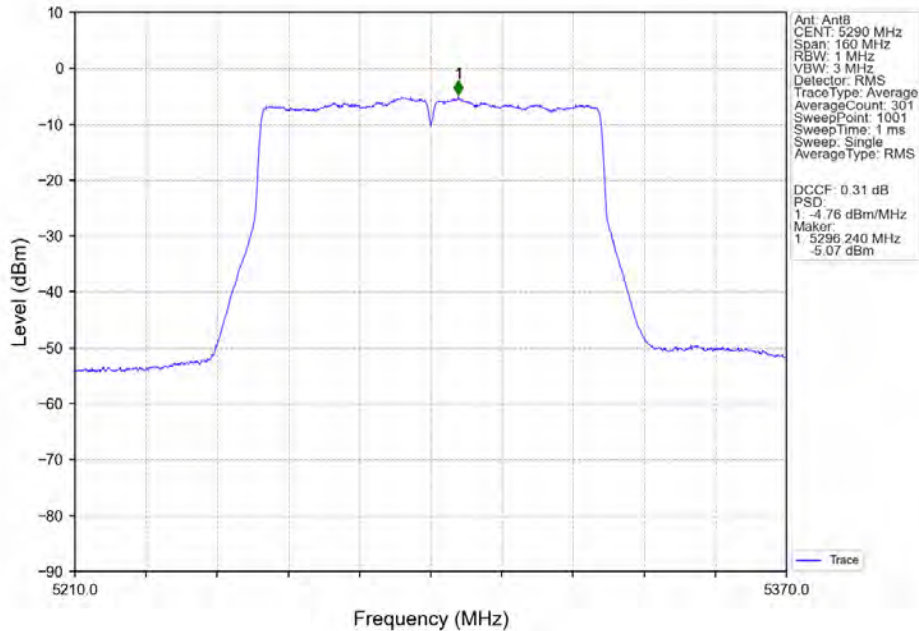
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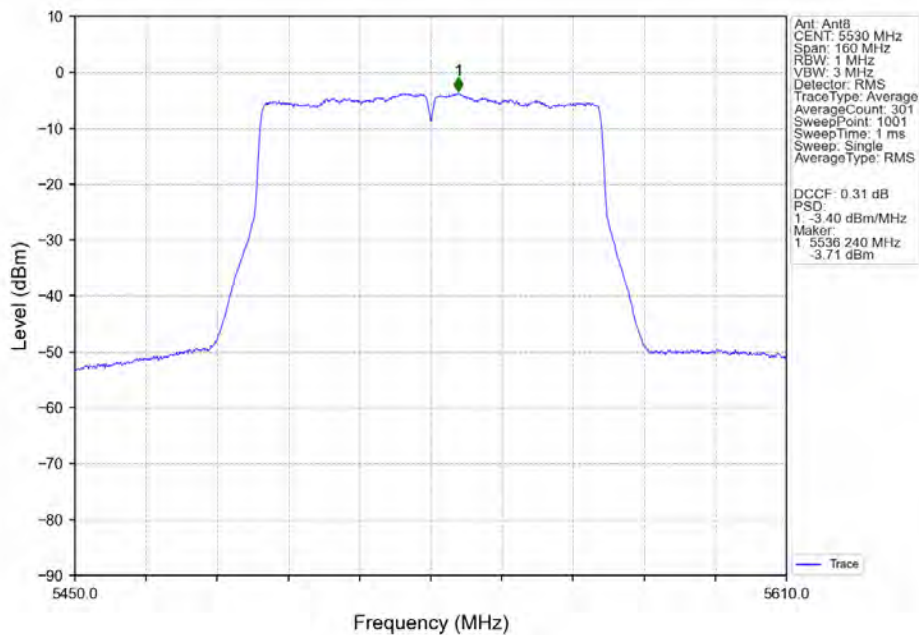
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802.11ac(VHT80)_MCH_5290MHz_Ant8_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant8_NTNV



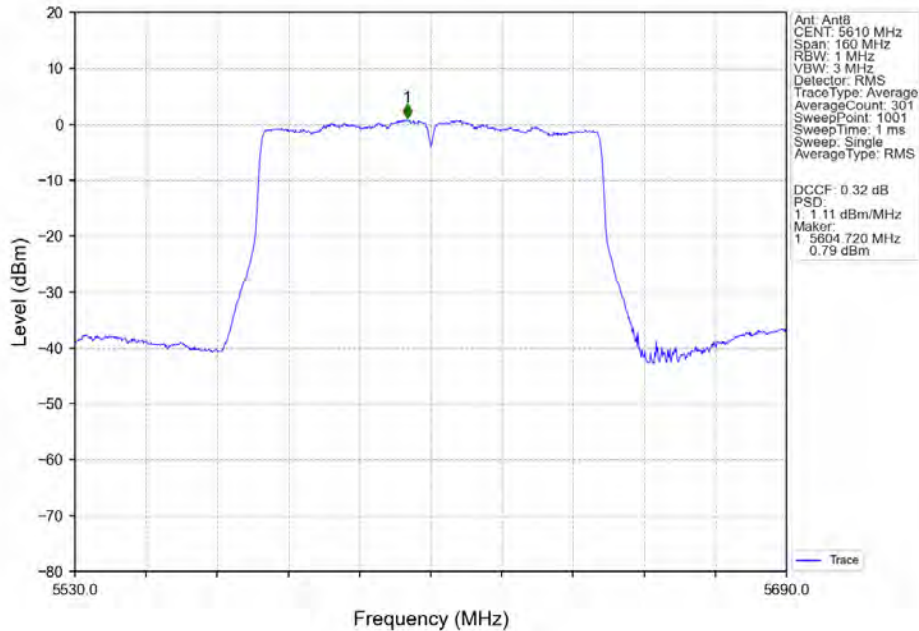
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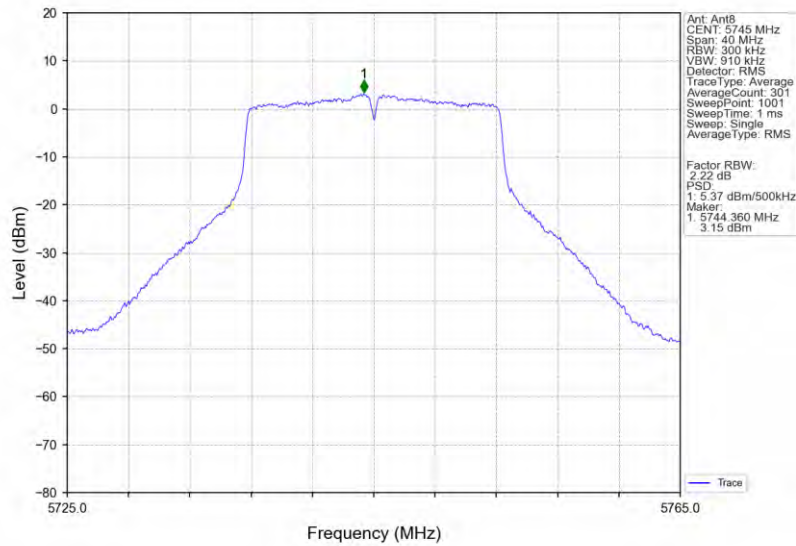
802.11ac(VHT80)_HCH_5610MHz_Ant8_NTNV



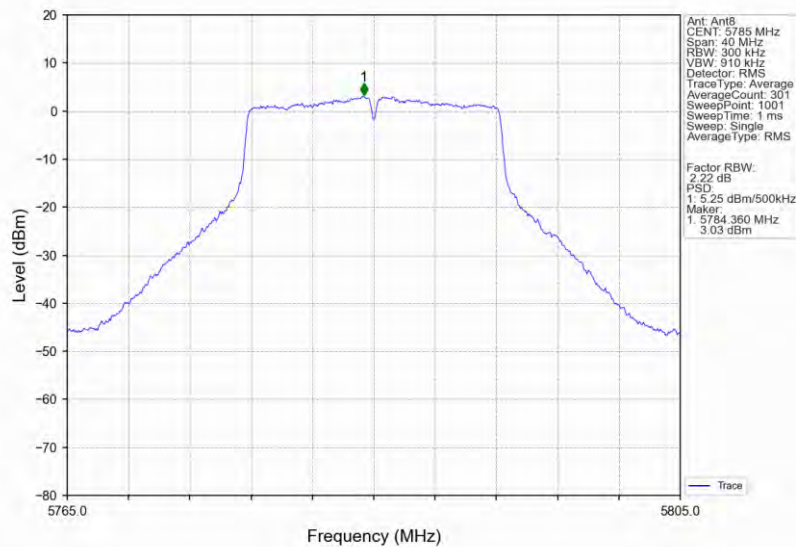
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802.11a_LCH_5745MHz_Ant8_NTNV



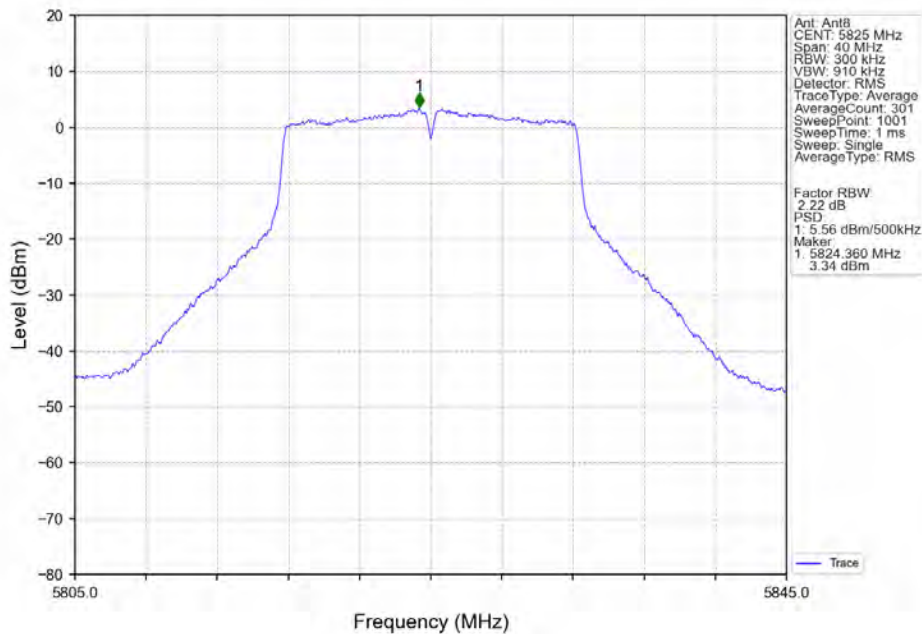
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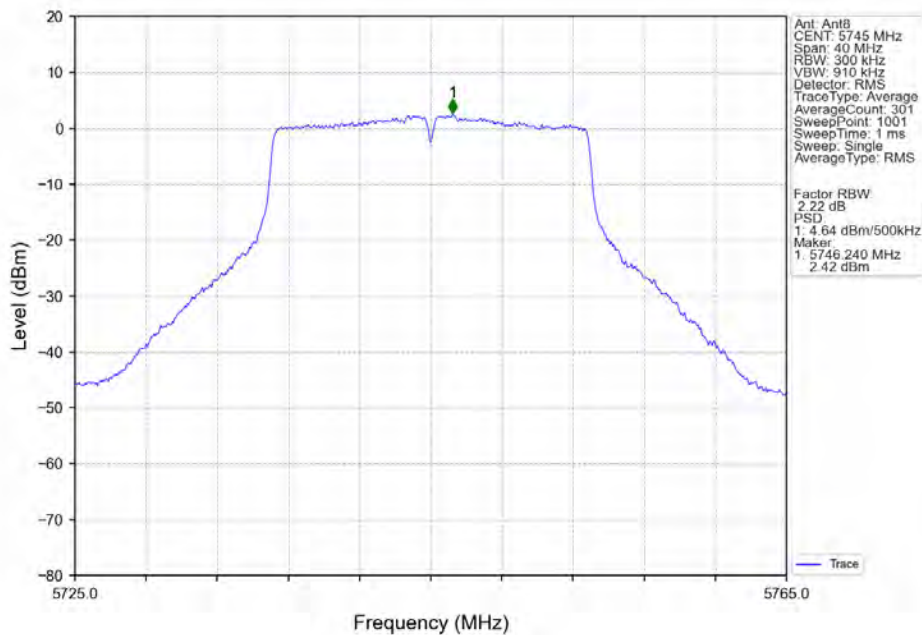
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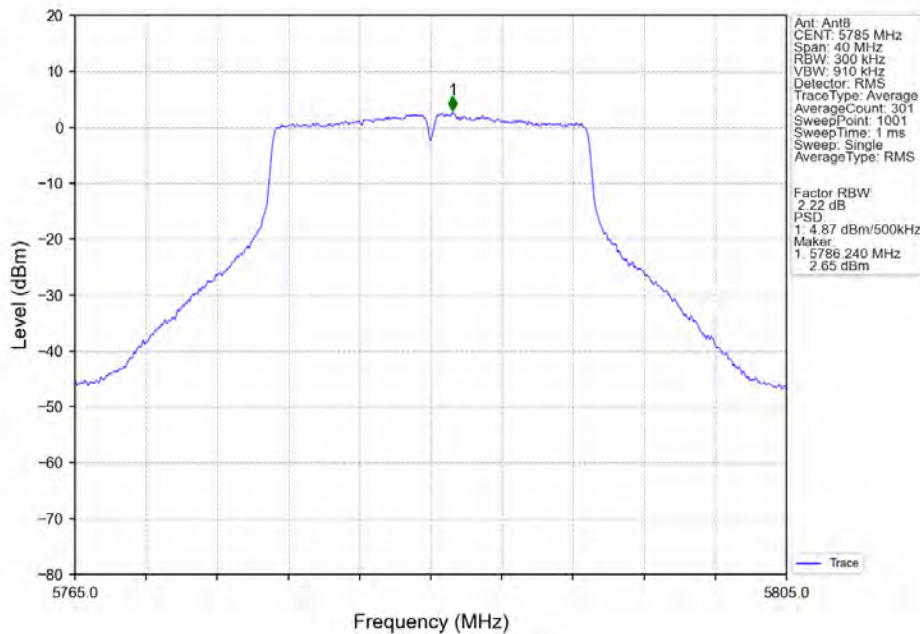
802.11a_HCH_5825MHz_Ant8_NTNV



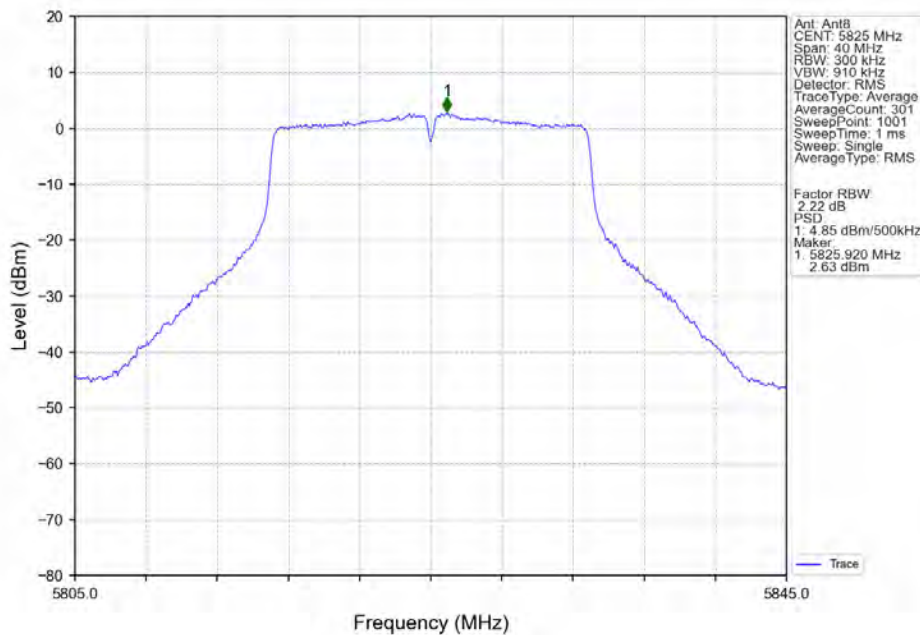
802.11n(HT20)_LCH_5745MHz_Ant8_NTNV



802.11n(HT20)_MCH_5785MHz_Ant8_NTNV



802.11n(HT20)_HCH_5825MHz_Ant8_NTNV



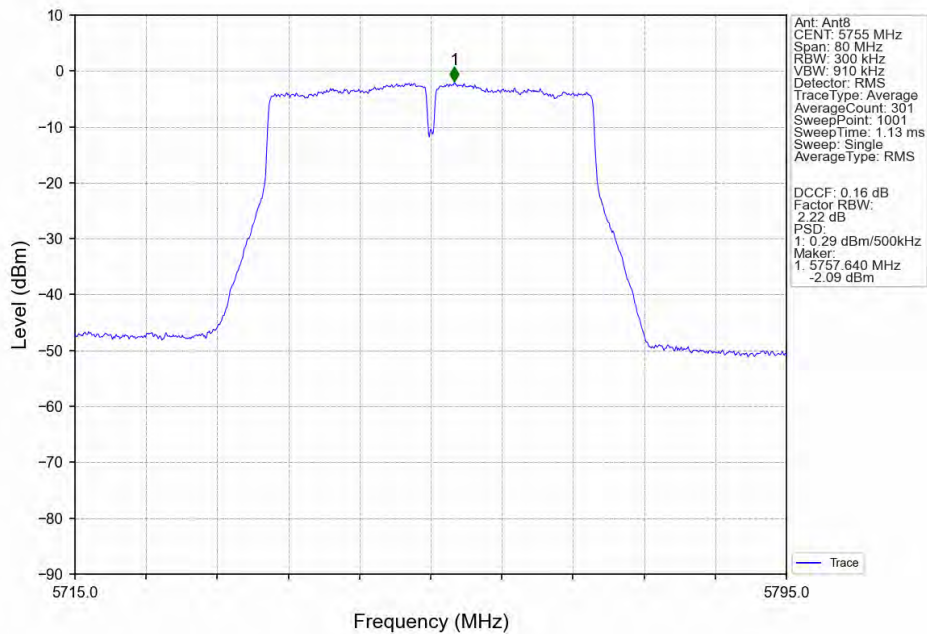
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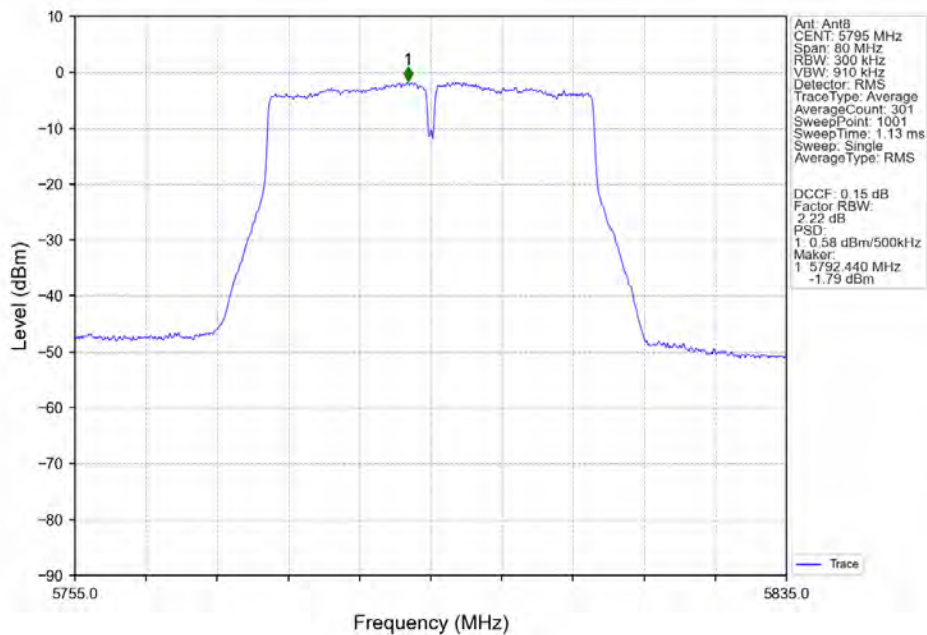
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802.11n(HT40)_LCH_5755MHz_Ant8_NTNV



802.11n(HT40)_HCH_5795MHz_Ant8_NTNV



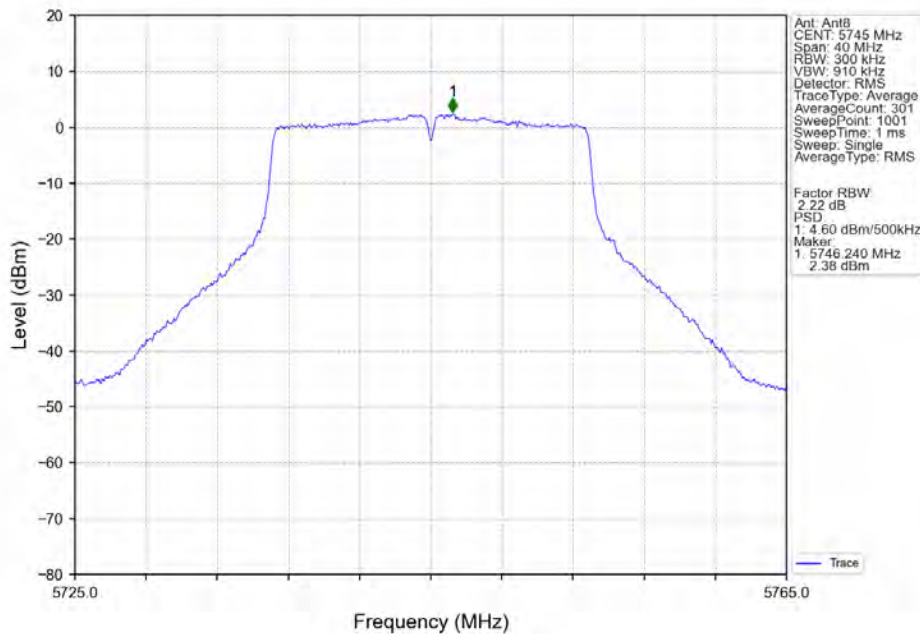
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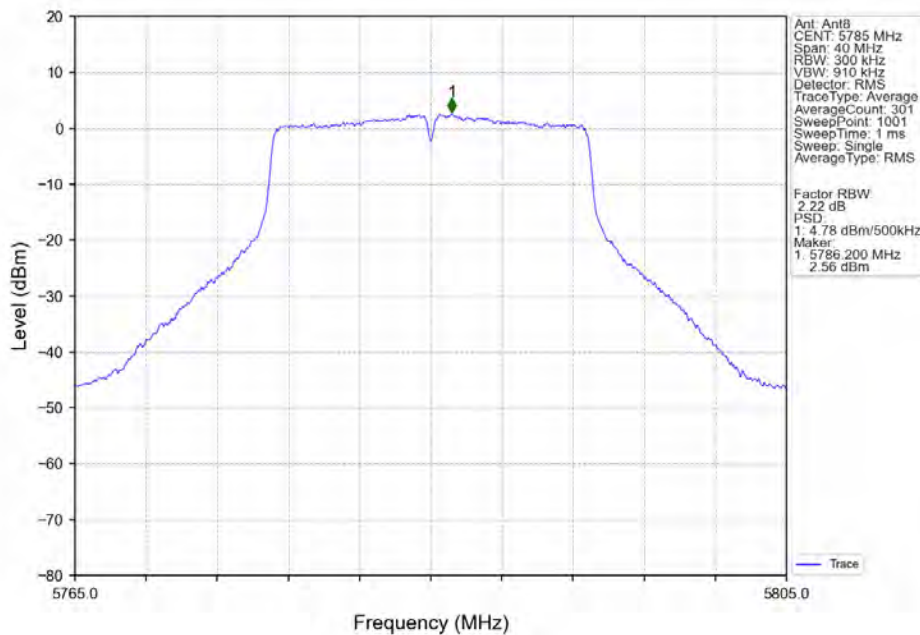
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802.11ac(VHT20)_LCH_5745MHz_Ant8_NTNV



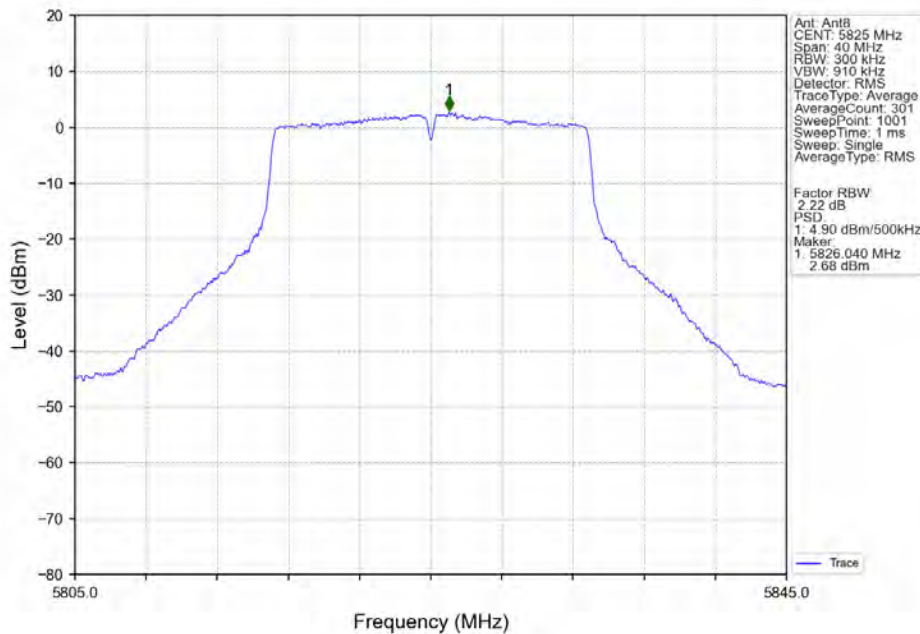
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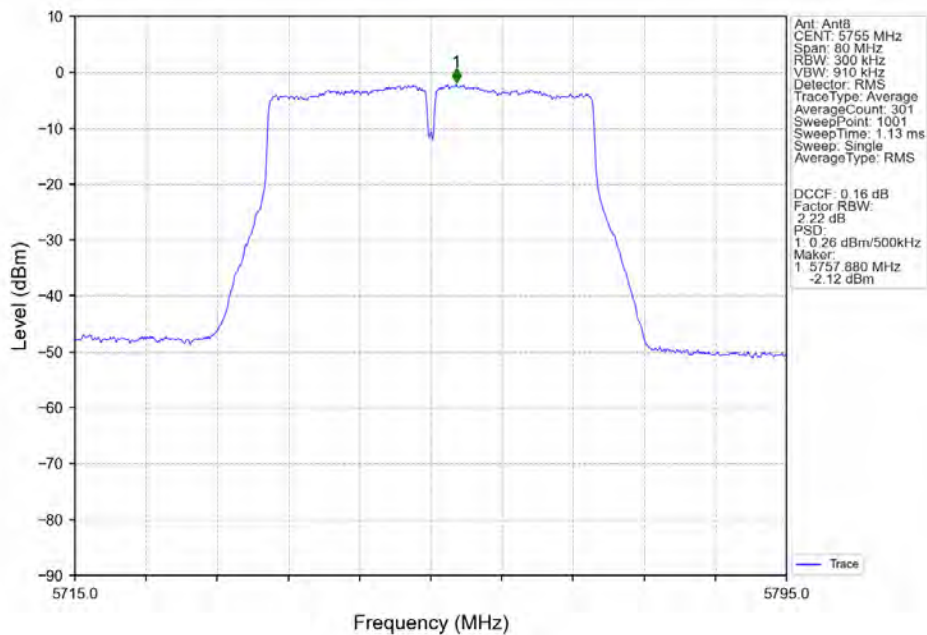
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802.11ac(VHT20)_HCH_5825MHz_Ant8_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant8_NTNV



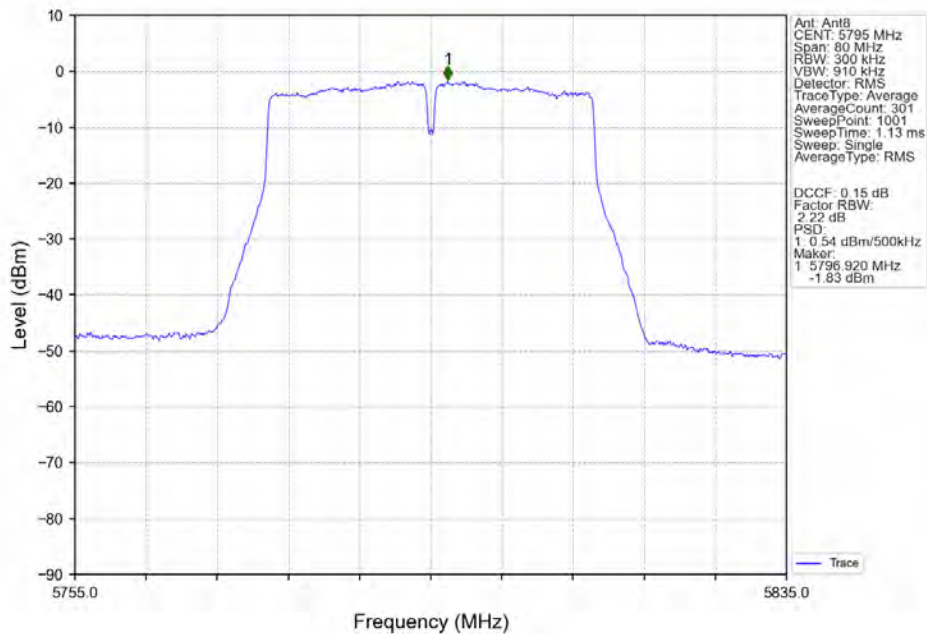
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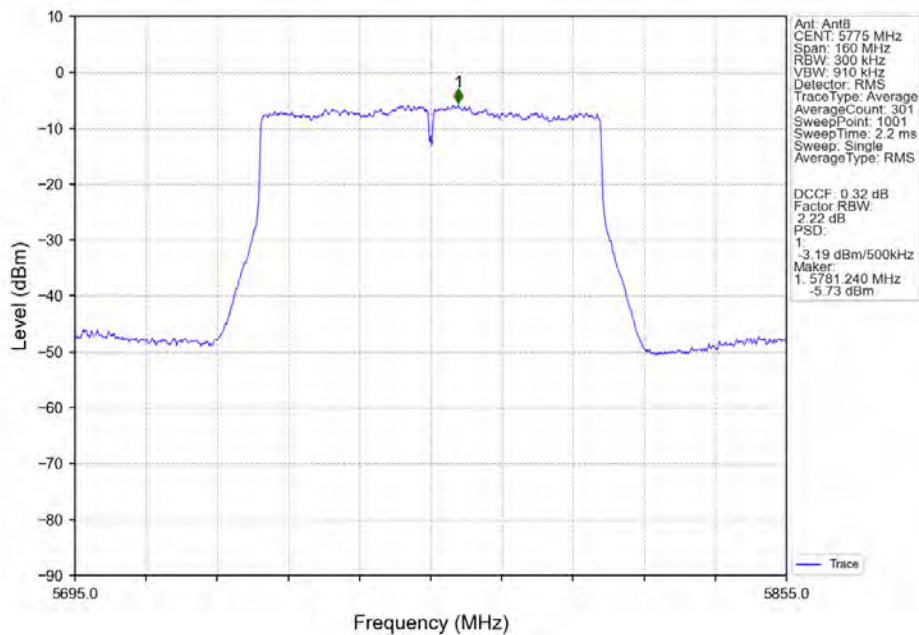
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802.11ac(VHT40)_HCH_5795MHz_Ant8_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant8_NTNV



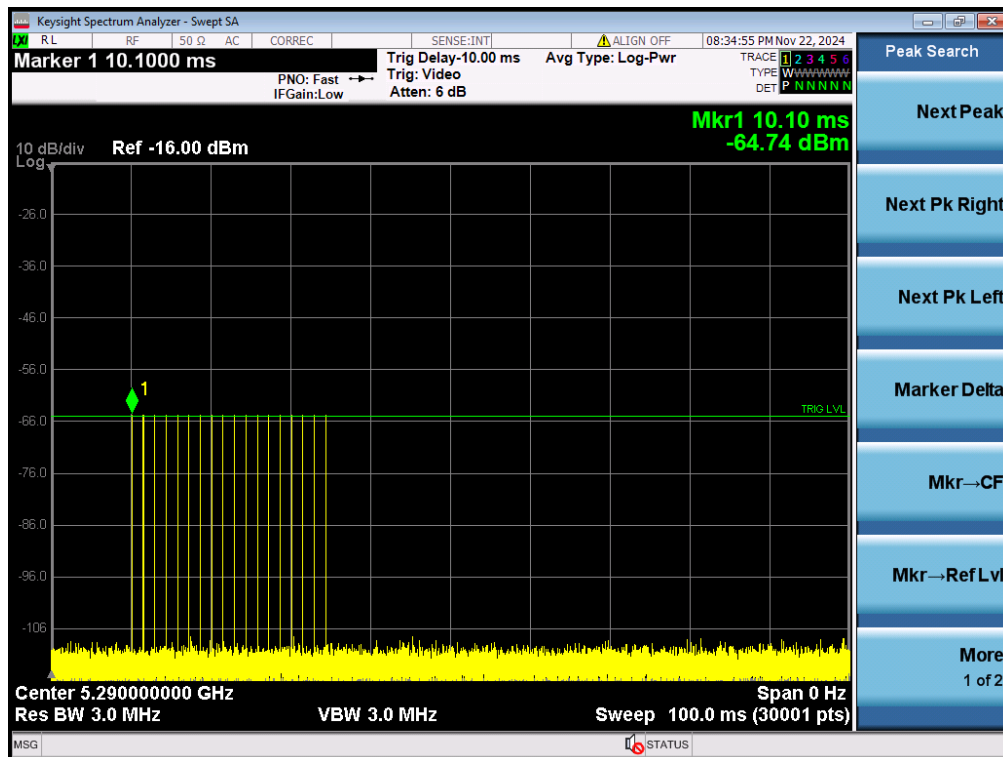
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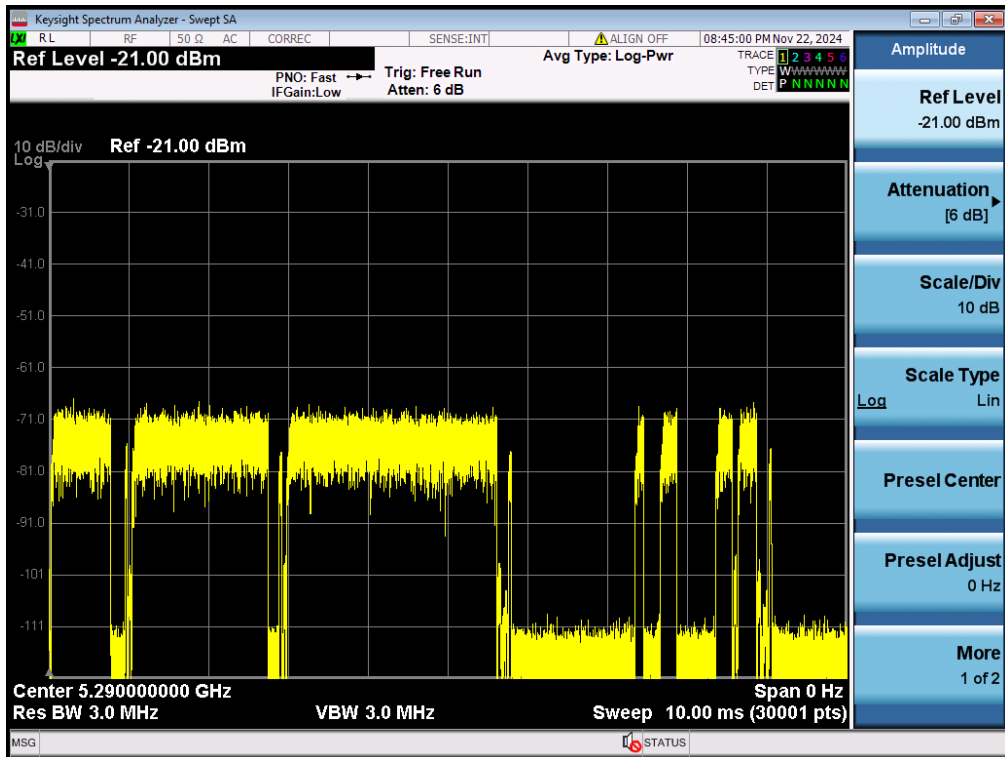
5. DFS

5.1 Test Result

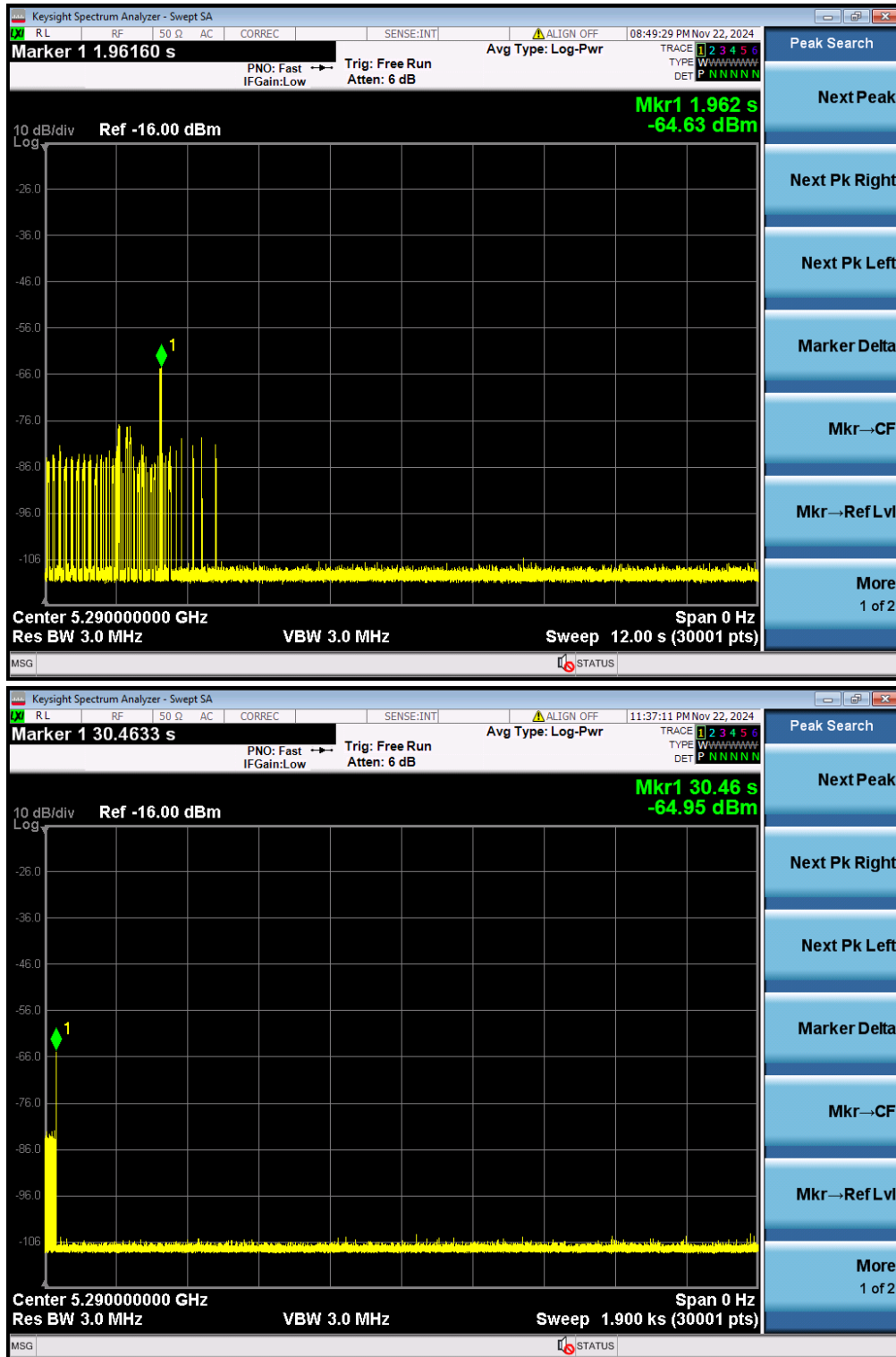
5.1.1 Rader



5.1.2 dc



5.1.3 5290MHz:

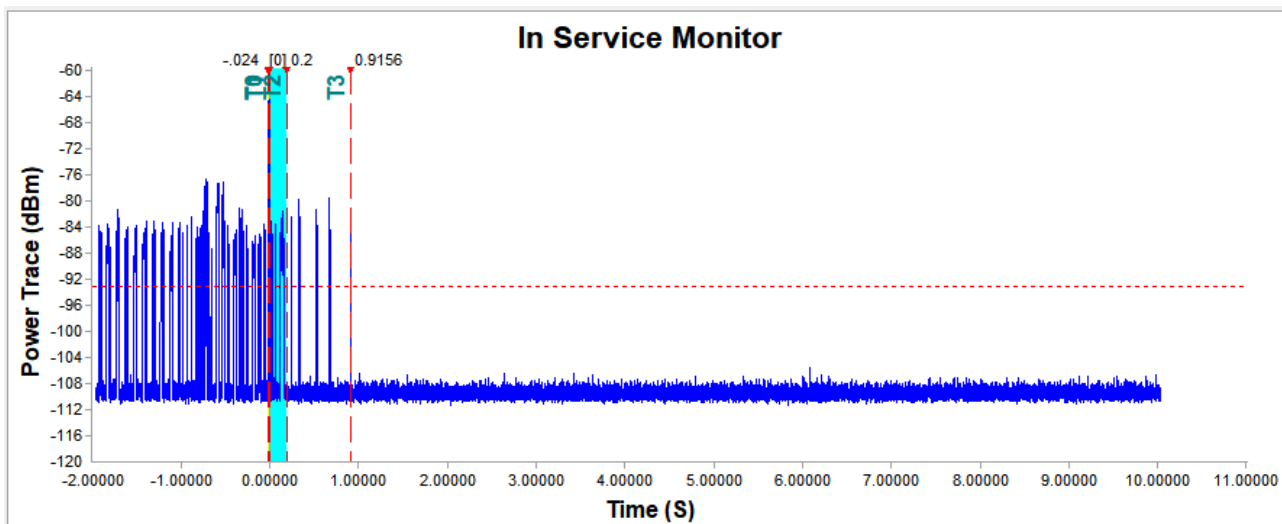


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Time Index Info

T0 : -0.0240 S (Radar Injection Start)
 T1 : 0.0000 S (Radar Injection Stop)
 T2 : 0.2000 S (200msec Interval)
 T3 : 0.9156 S (Channel Move Time)

Time Per Bin: 0.3999867

T2~T3 Bins Over Threshold:
 = 68 Bins

Channel Move Time: 0.9155695 S

Channel Close Time: 0.0271991 S



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 Shenzhen Branch Testing Services Laboratory

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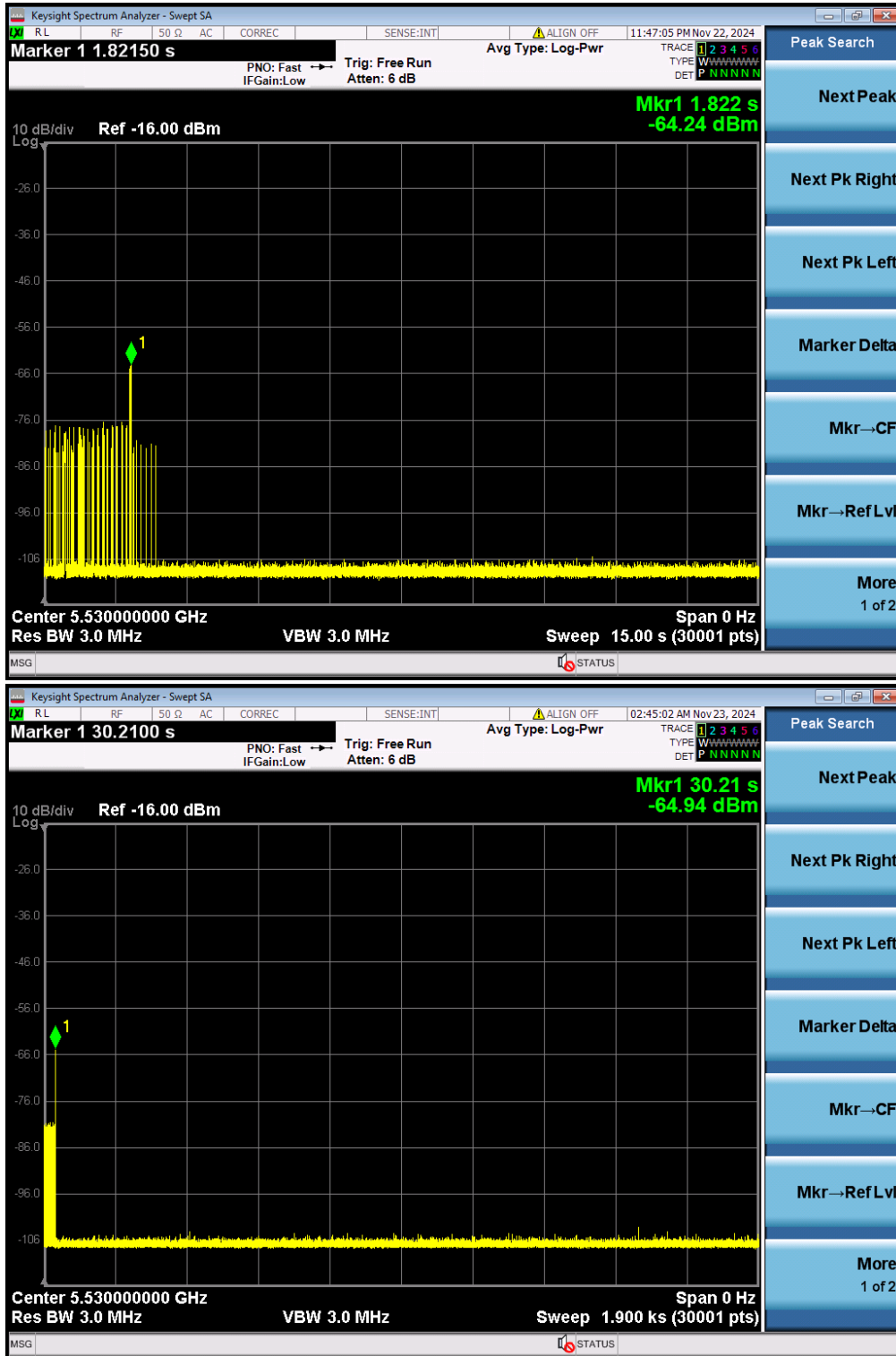
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5.1.3 5530MHz:



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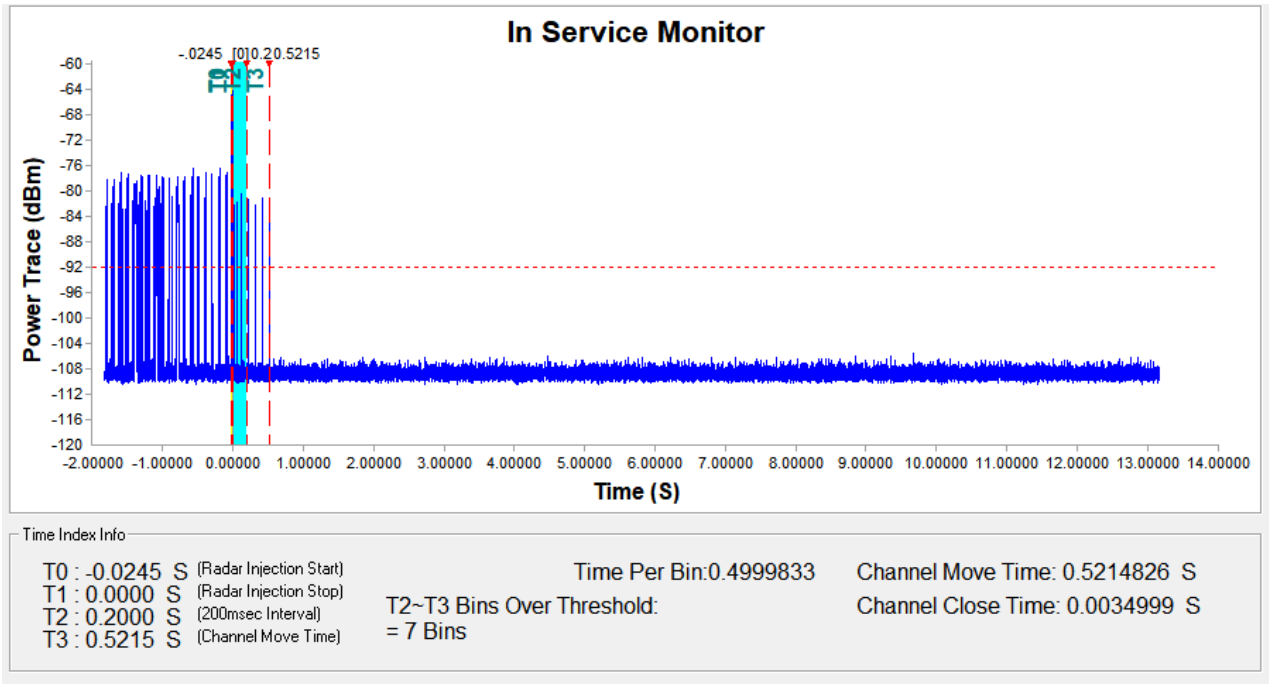
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- End of the Report -



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