Appendix

Test Data

for BTEK250606024A01-T01

Start date	2025/6/27	Finish date	2025/7/29
Temperature	24.1℃	Humidity	55%
RF specifications	5.6G WIFI	Test Engineer	Zora

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6.1 Test Result 65

1. Duty Cycle

1.1 Test Result

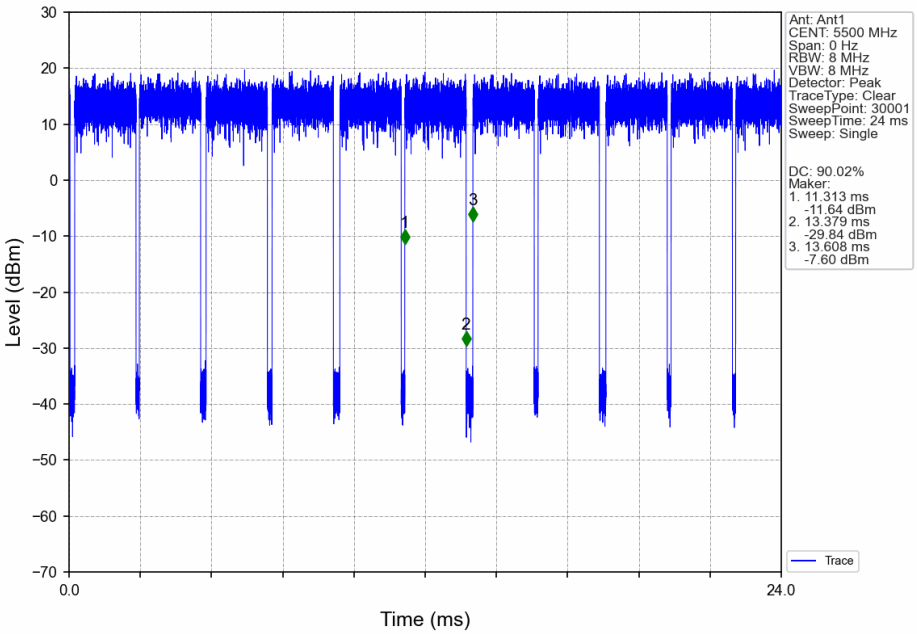
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5500	2.066	2.295	90.02	0.46	4.83
		5580	2.066	2.277	90.73	0.42	4.91
		5700	2.066	2.295	90.02	0.46	3.69
802.11n (HT20)	MIMO	5500	0.985	1.215	81.07	0.91	7.93
		5580	0.986	1.188	83.00	0.81	7.53
		5700	0.986	1.170	84.27	0.74	7.06
802.11n (HT40)	MIMO	5510	0.498	0.727	68.50	1.64	15.64
		5550	0.498	0.700	71.14	1.48	12.99
		5670	0.498	0.718	69.36	1.59	14.77
802.11ac (VHT20)	MIMO	5500	0.994	1.247	79.71	0.98	9.66
		5580	0.994	1.247	79.71	0.98	9.69
		5700	0.994	1.247	79.71	0.98	8.96
802.11ac (VHT40)	MIMO	5510	0.502	0.737	68.11	1.67	12.86
		5550	0.502	0.746	67.29	1.72	12.53
		5670	0.502	0.755	66.49	1.77	14.45
802.11ac (VHT80)	MIMO	5530	0.258	0.475	54.32	2.65	14.31
		5610	0.257	0.493	52.13	2.83	13.10

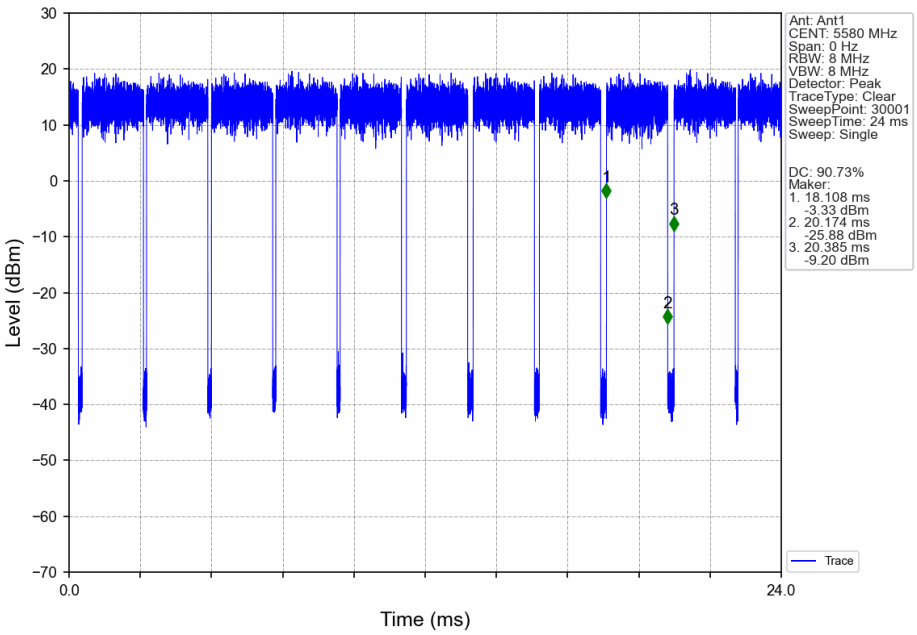
1.2 Test Graph

1.2.1 Ant1

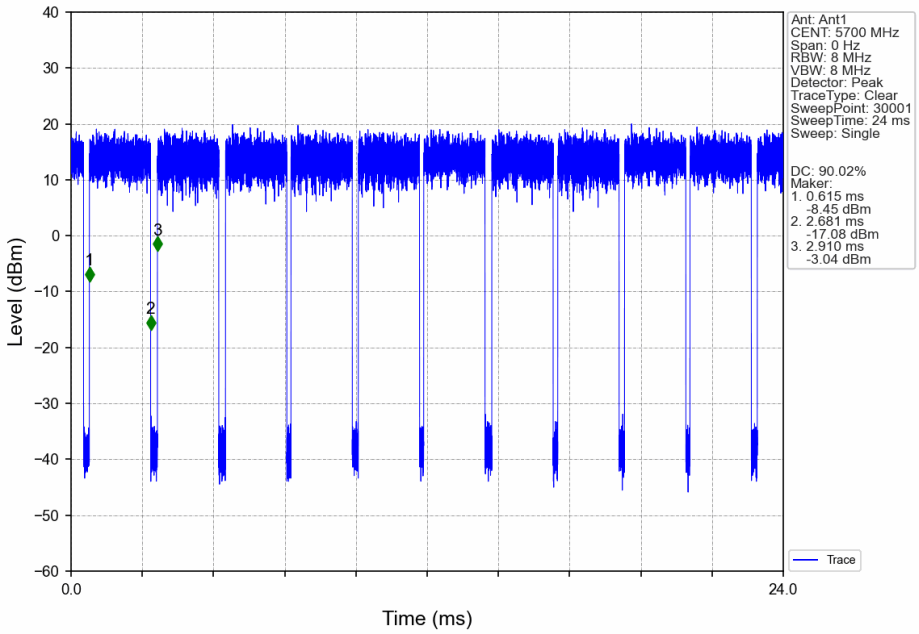
802.11a_LCH_5500MHz_Ant1_NTNV



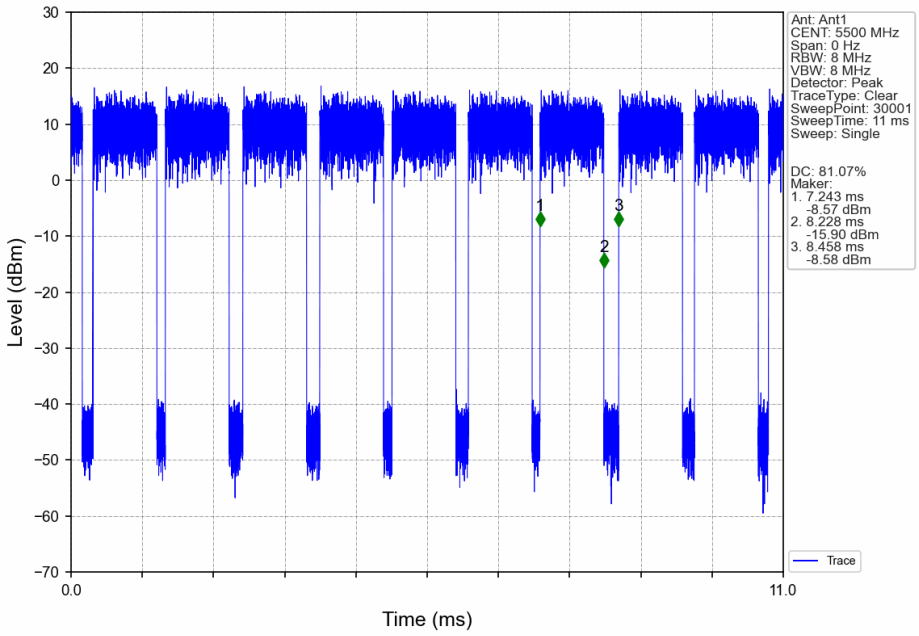
802.11a_MCH_5580MHz_Ant1_NTNV



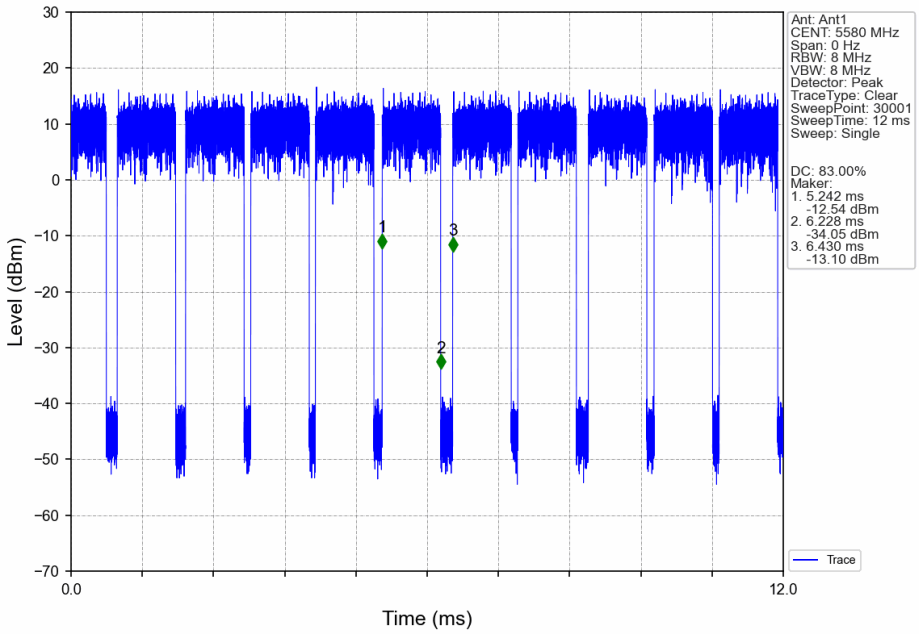
802.11a_HCH_5700MHz_Ant1_NTNV



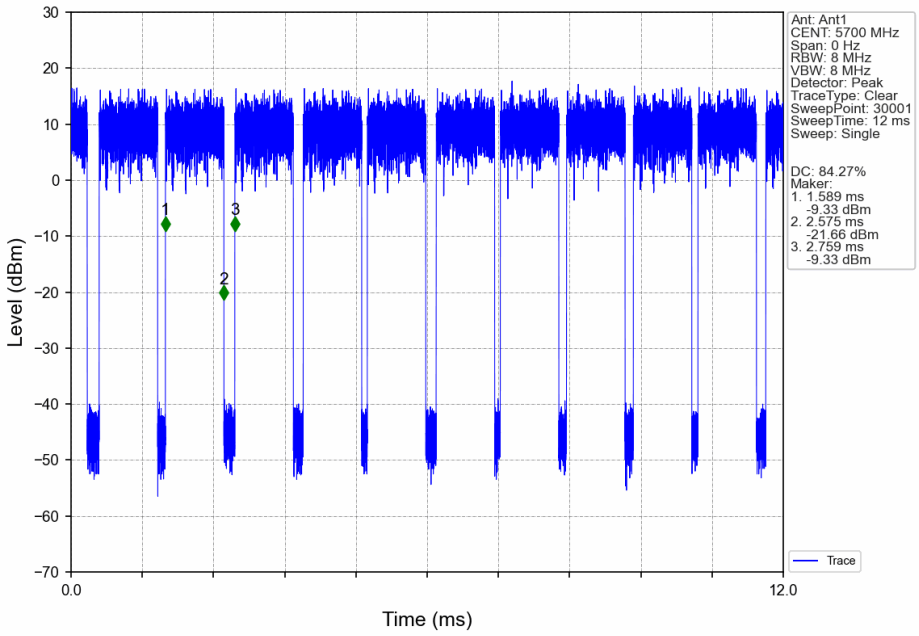
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



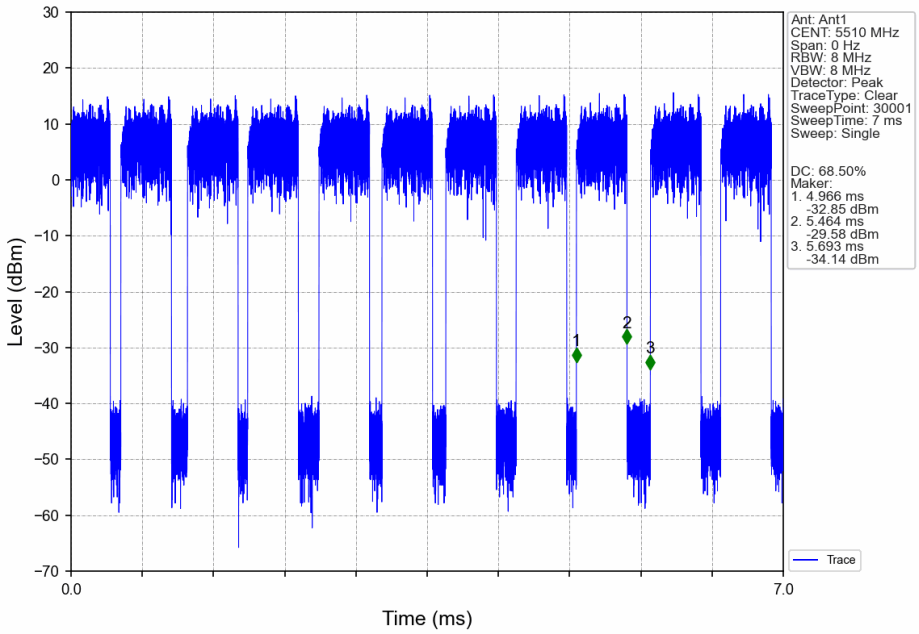
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



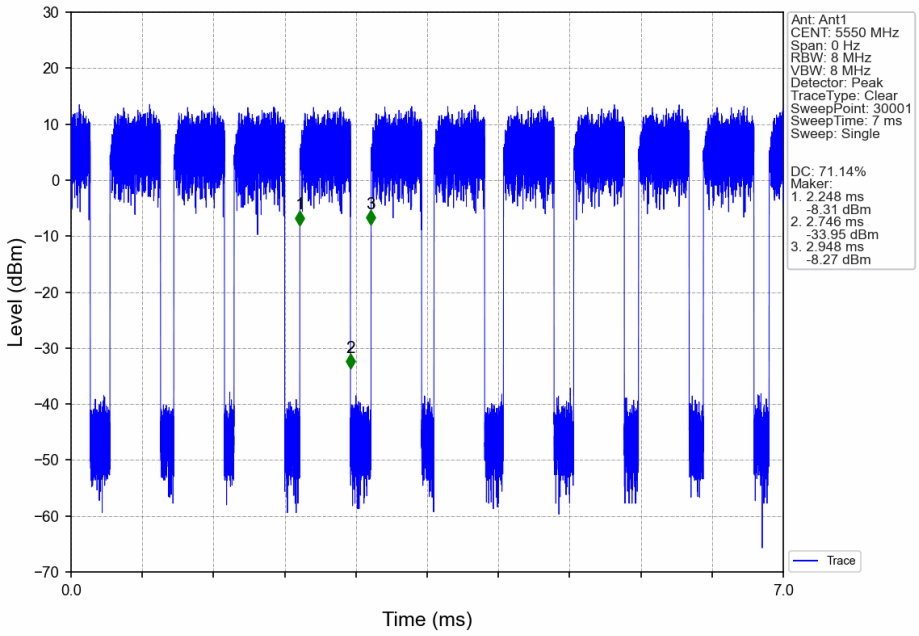
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



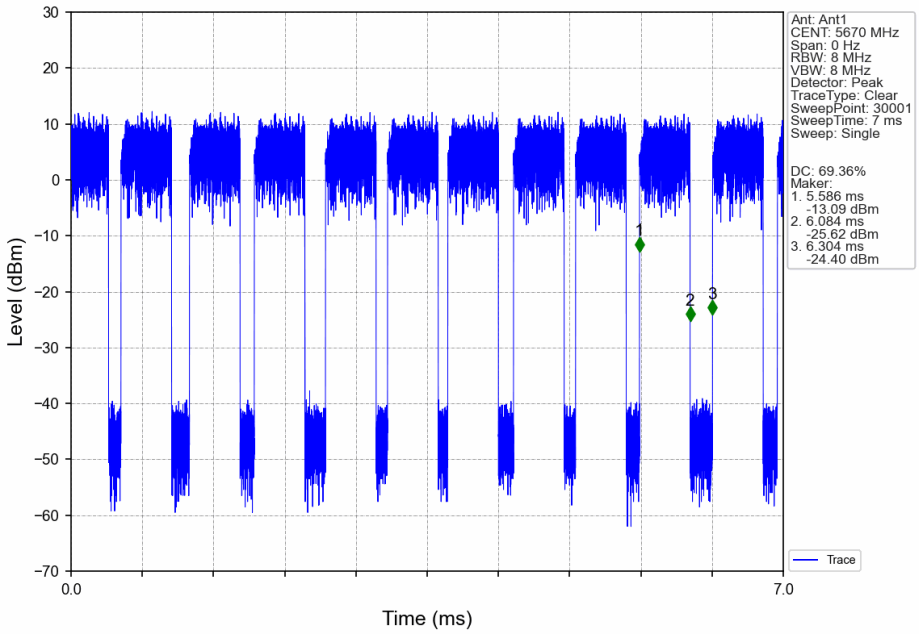
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



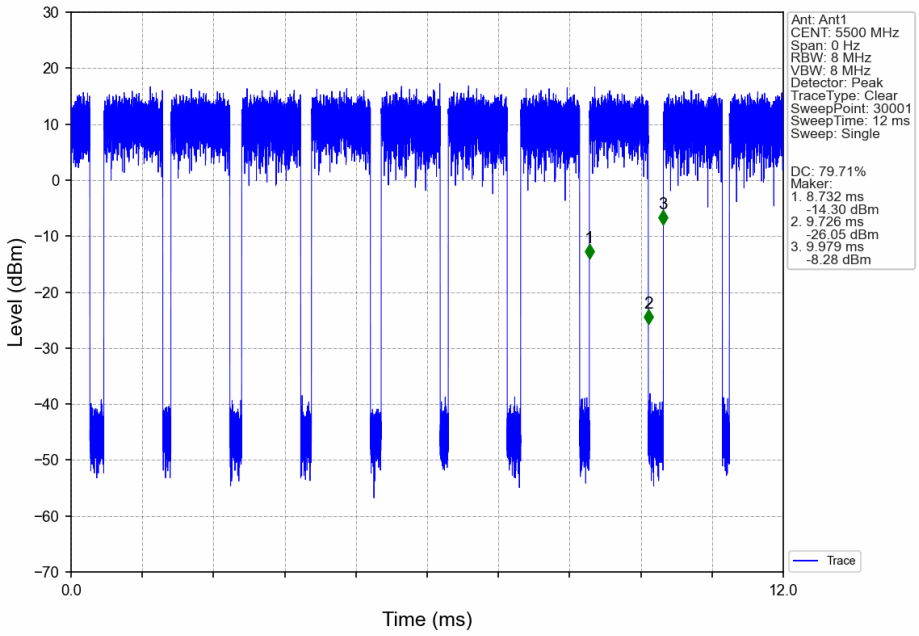
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



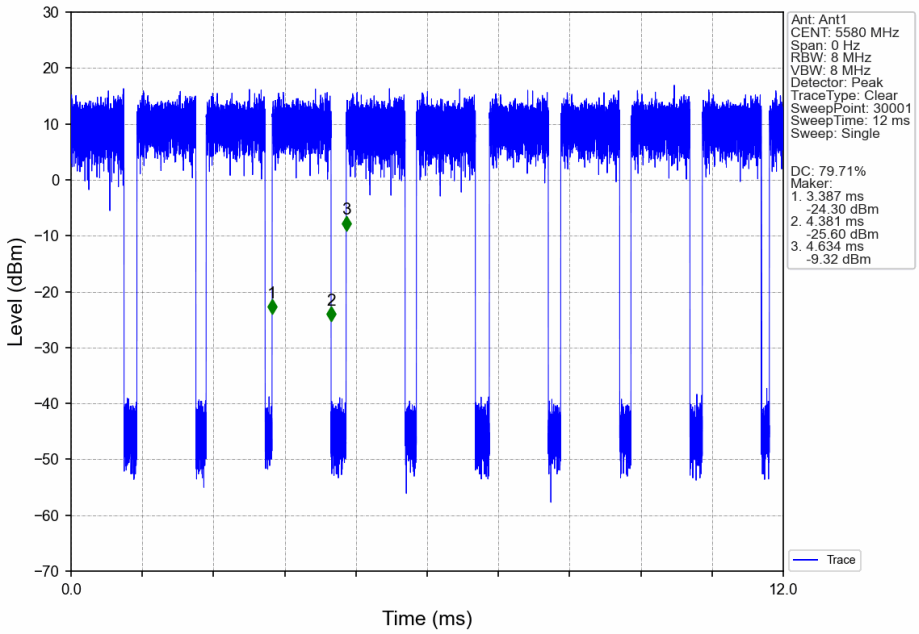
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



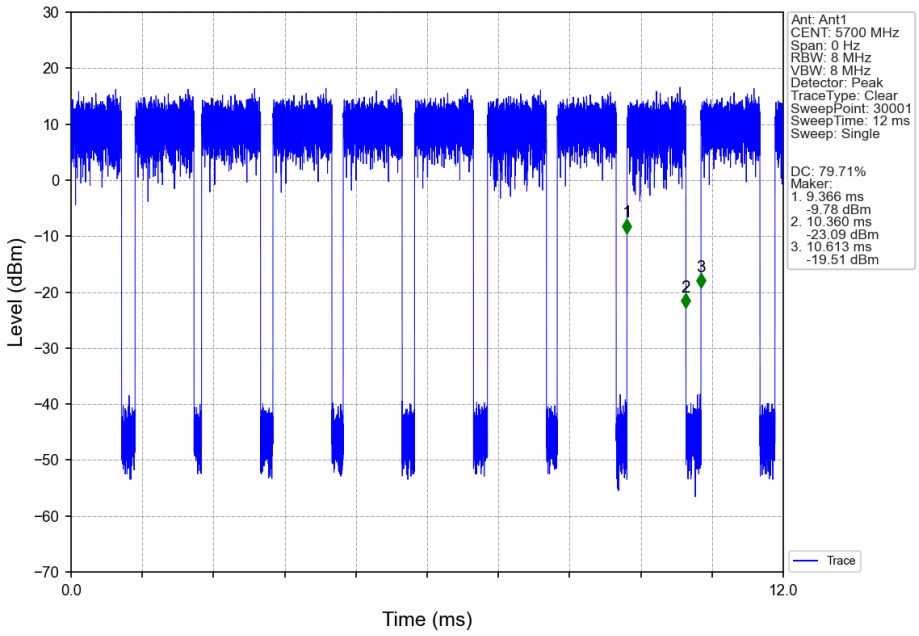
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



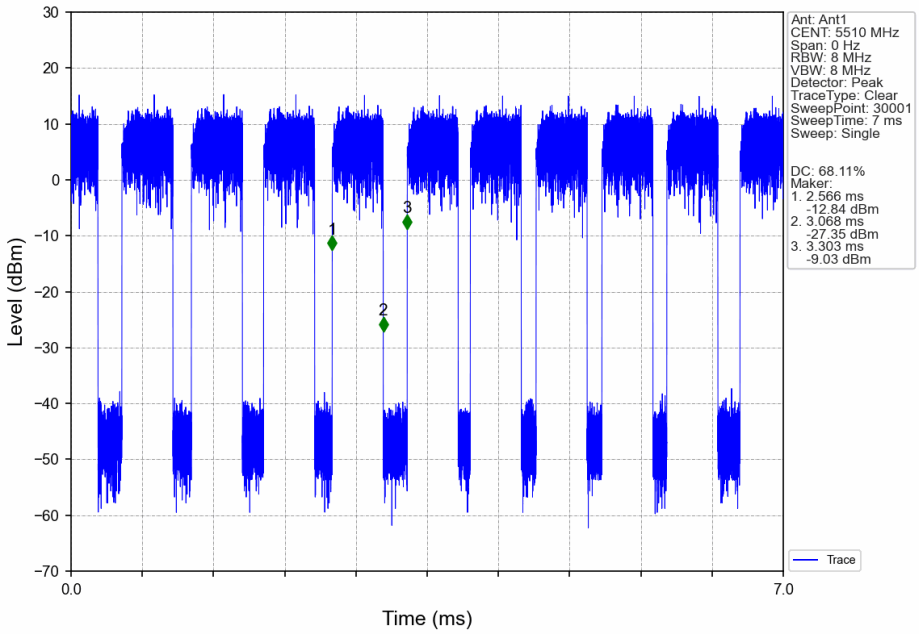
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



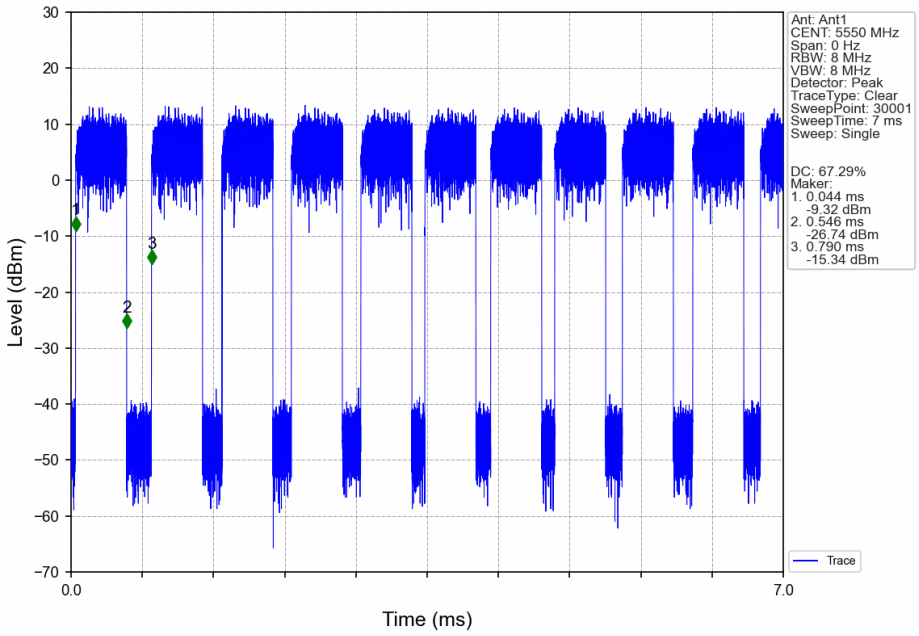
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



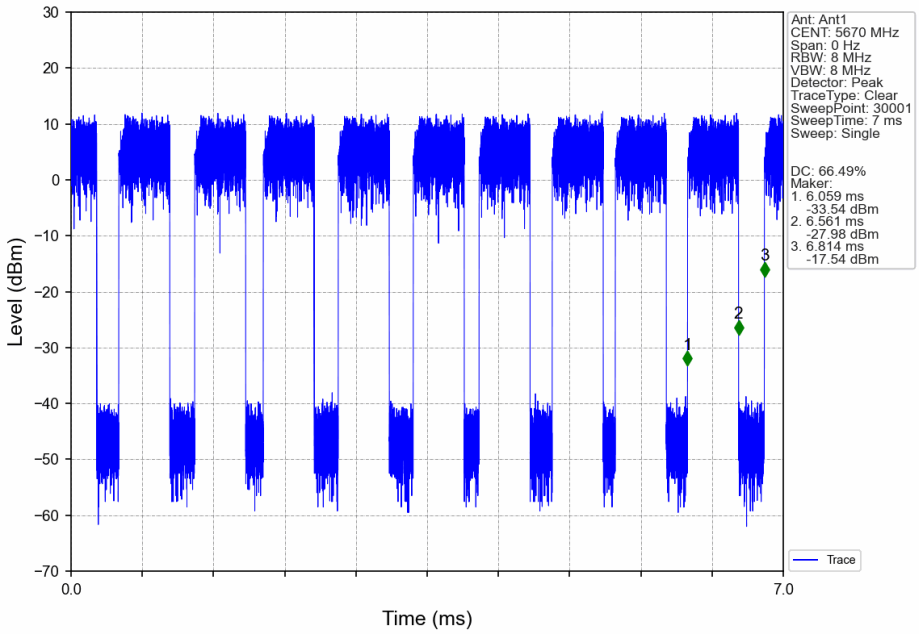
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



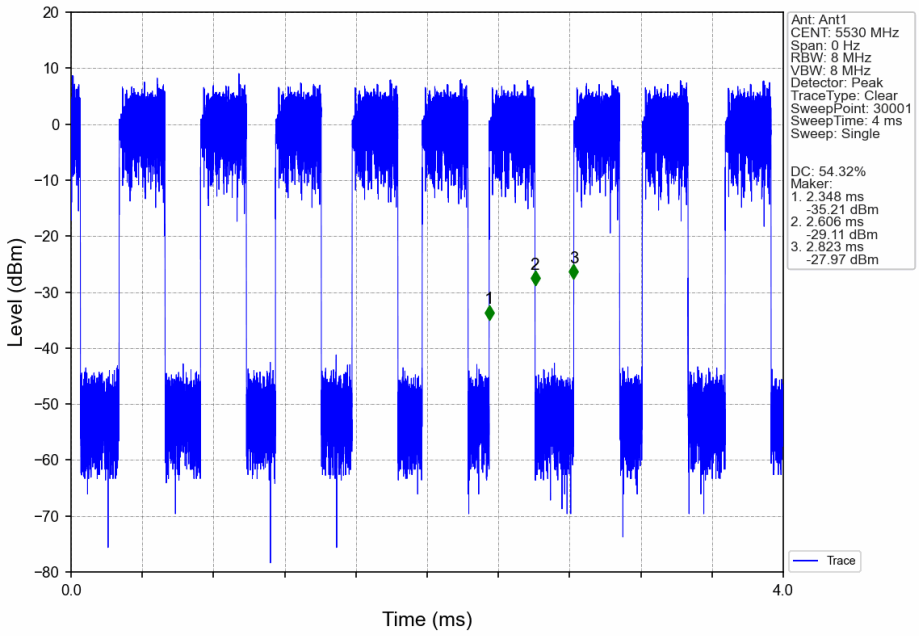
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



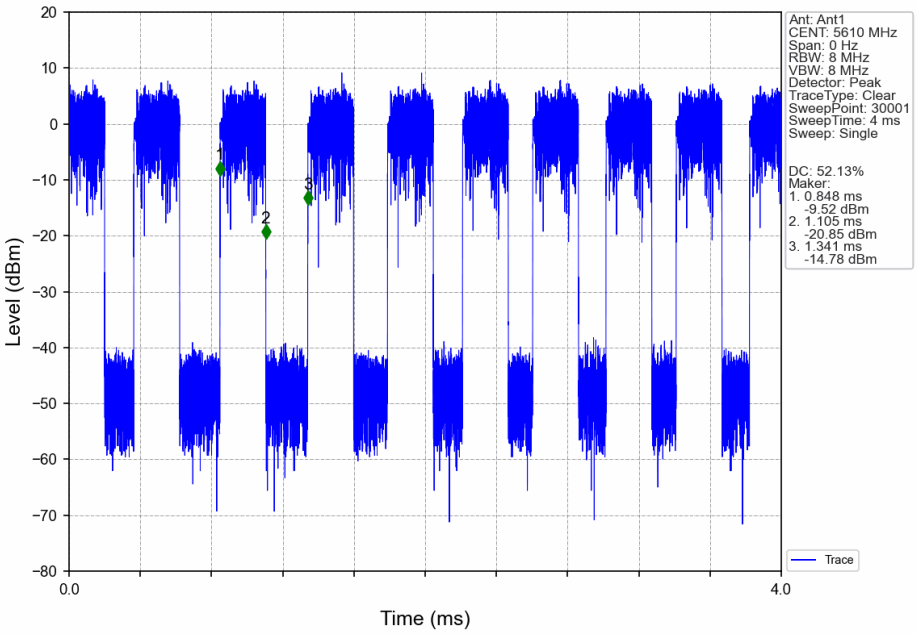
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	16.661	/	Pass
		5580	1	16.712	/	Pass
		5700	1	18.344	/	Pass
802.11n (HT20)	MIMO	5500	1	17.777	/	Pass
		5580	1	17.761	/	Pass
		5700	1	17.918	/	Pass
802.11n (HT40)	MIMO	5510	1	36.425	/	Pass
		5550	1	36.264	/	Pass
		5670	1	36.375	/	Pass
802.11ac (VHT20)	MIMO	5500	1	17.749	/	Pass
		5580	1	17.797	/	Pass
		5700	1	17.934	/	Pass
802.11ac (VHT40)	MIMO	5510	1	36.264	/	Pass
		5550	1	36.403	/	Pass
		5670	1	36.429	/	Pass
802.11ac (VHT80)	MIMO	5530	1	75.015	/	Pass
		5610	1	74.945	/	Pass

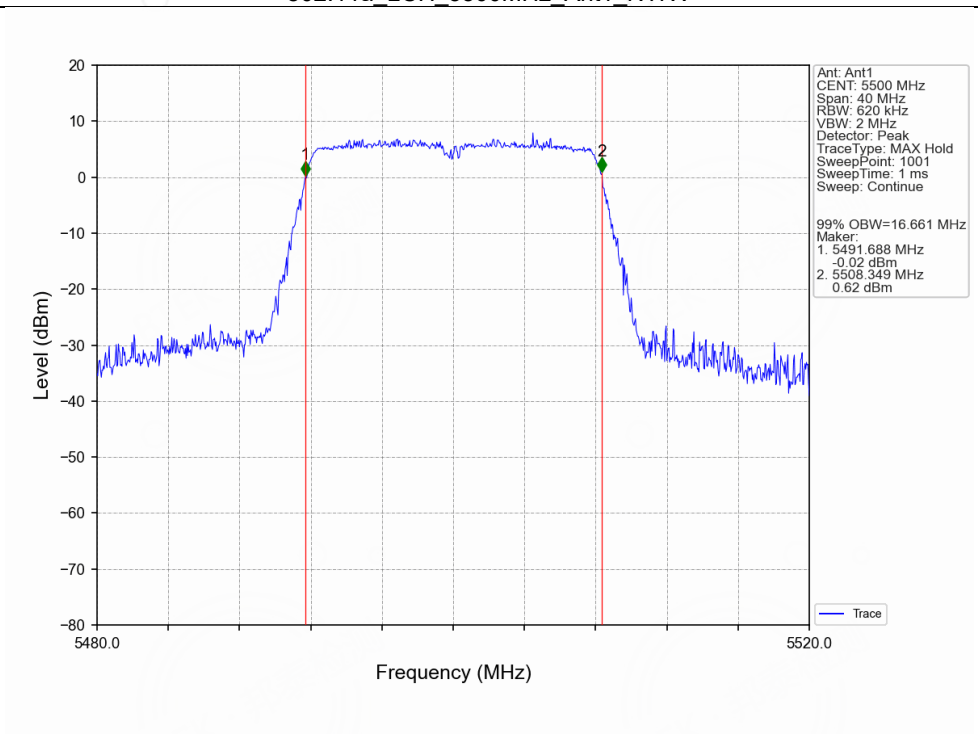
2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5500	1	19.005	/	Pass
		5580	1	20.029	/	Pass
		5700	1	36.440	/	Pass
802.11n (HT20)	MIMO	5500	1	19.752	/	Pass
		5580	1	19.573	/	Pass
		5700	1	25.877	/	Pass
802.11n (HT40)	MIMO	5510	1	42.502	/	Pass
		5550	1	41.595	/	Pass
		5670	1	41.644	/	Pass
802.11ac (VHT20)	MIMO	5500	1	19.884	/	Pass
		5580	1	19.962	/	Pass
		5700	1	26.769	/	Pass
802.11ac (VHT40)	MIMO	5510	1	41.583	/	Pass
		5550	1	41.936	/	Pass
		5670	1	43.065	/	Pass
802.11ac (VHT80)	MIMO	5530	1	81.555	/	Pass
		5610	1	82.090	/	Pass

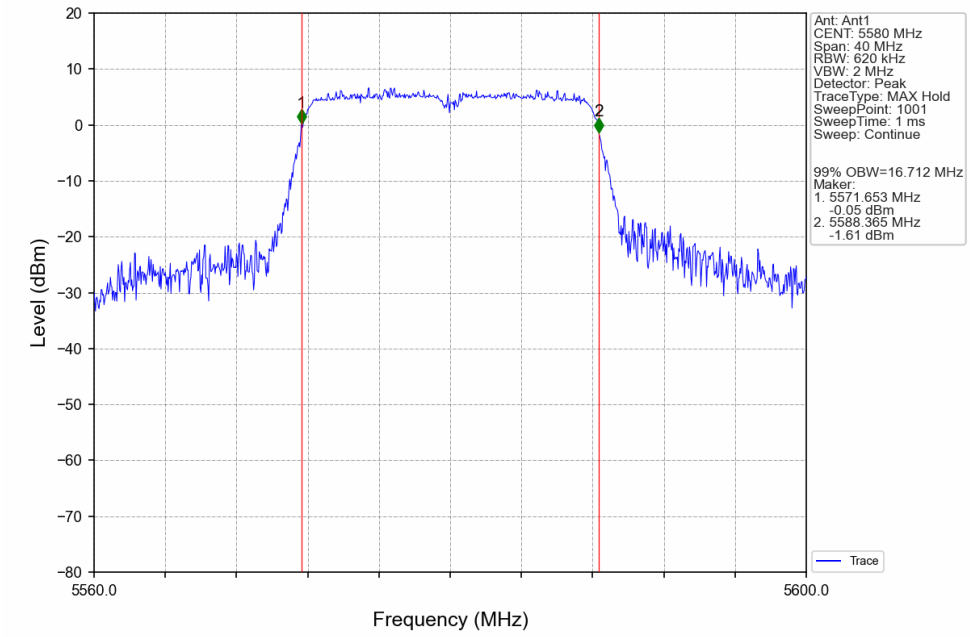
2.2 Test Graph

2.2.1 OBW

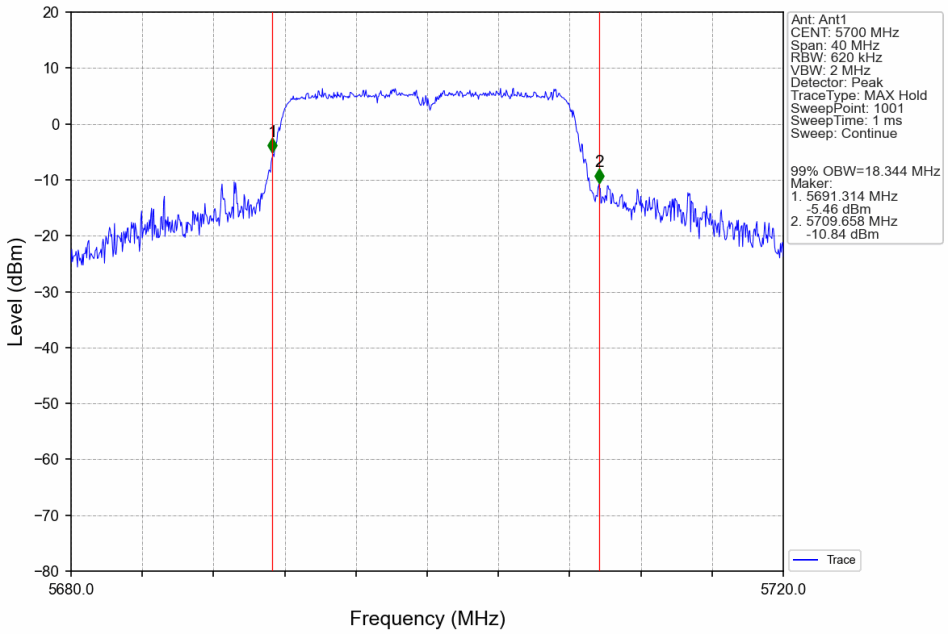
802.11a_LCH_5500MHz_Ant1_NTNV



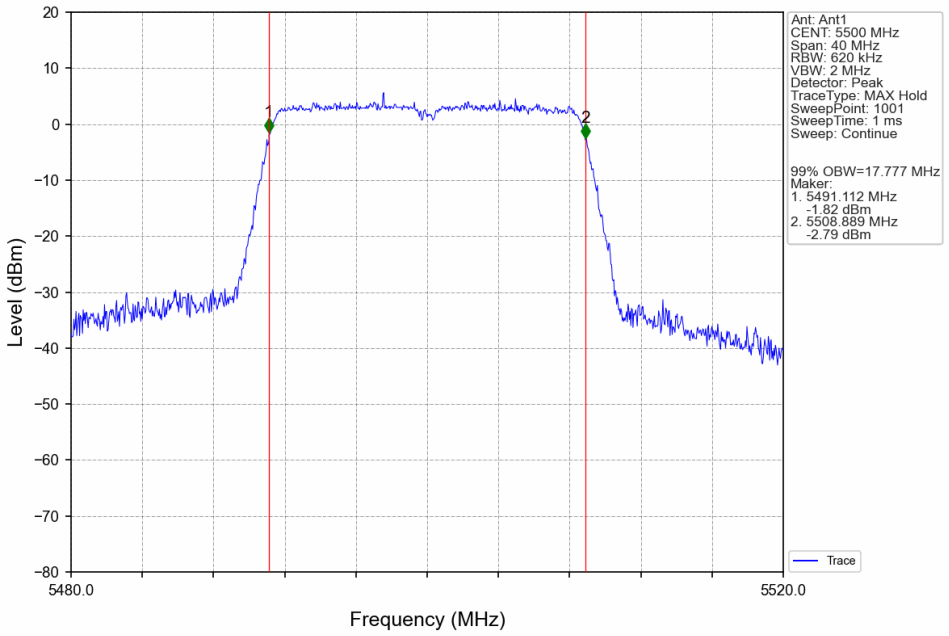
802.11a_MCH_5580MHz_Ant1_NTNV



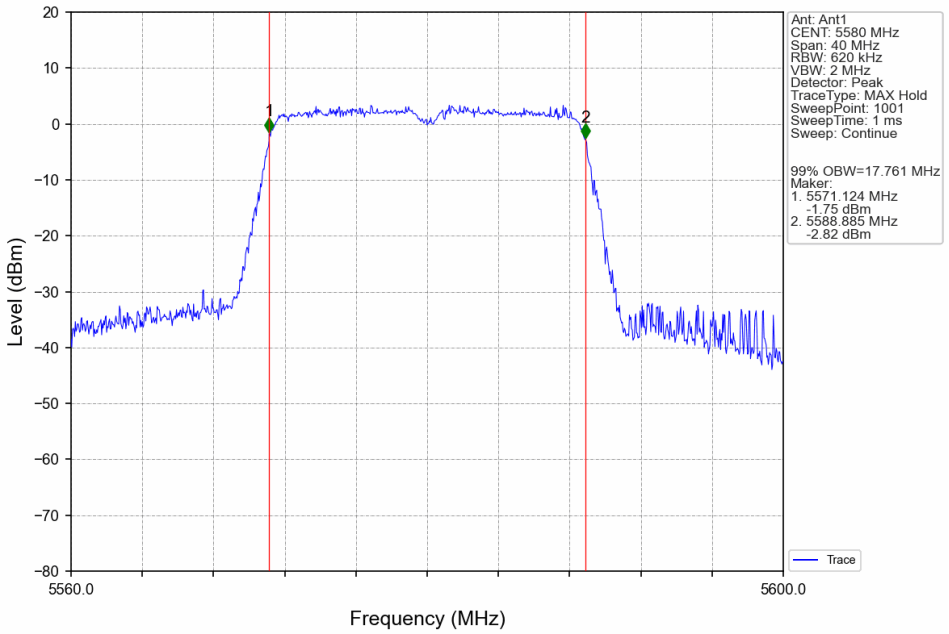
802.11a_HCH_5700MHz_Ant1_NTNV



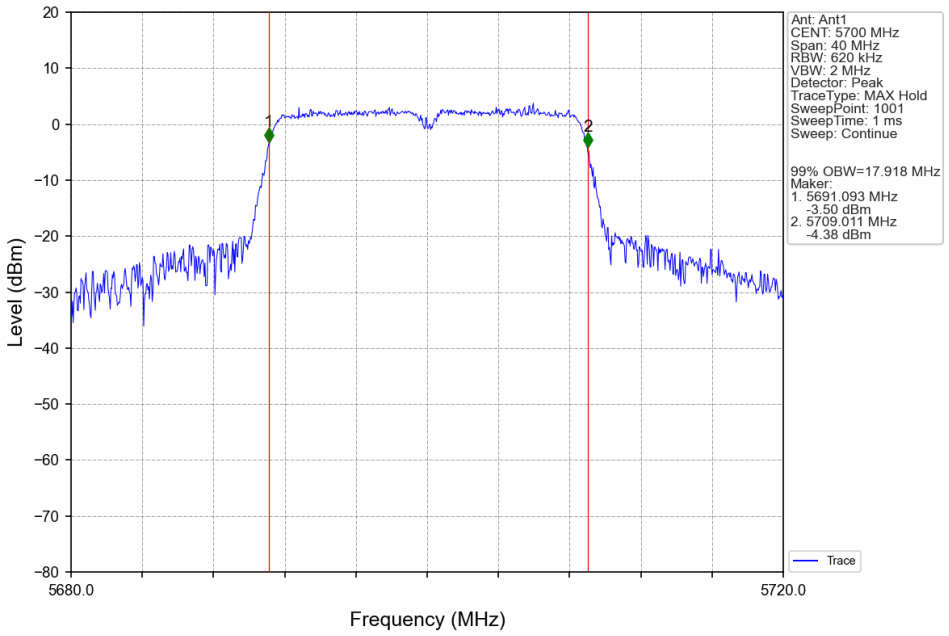
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



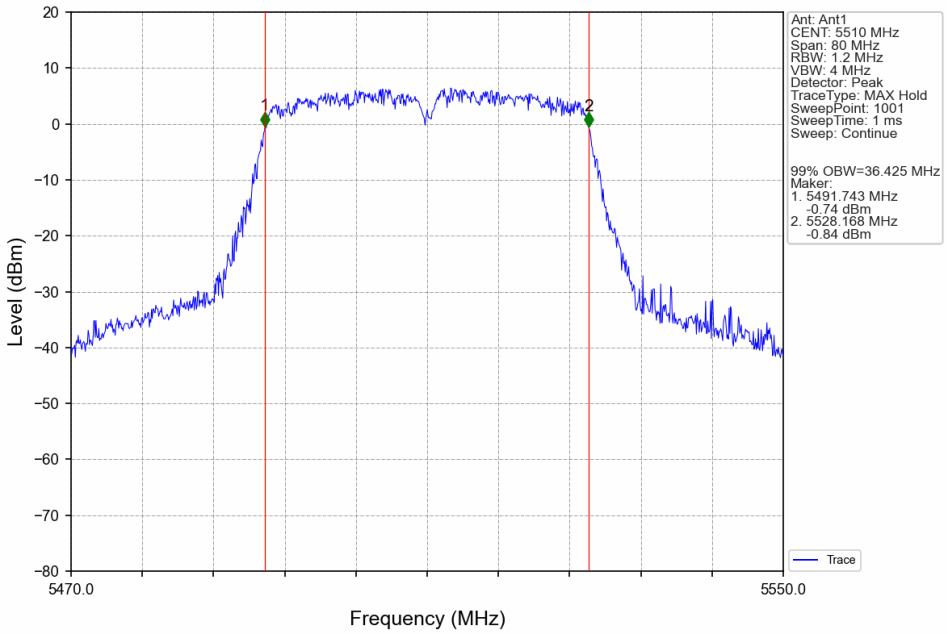
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



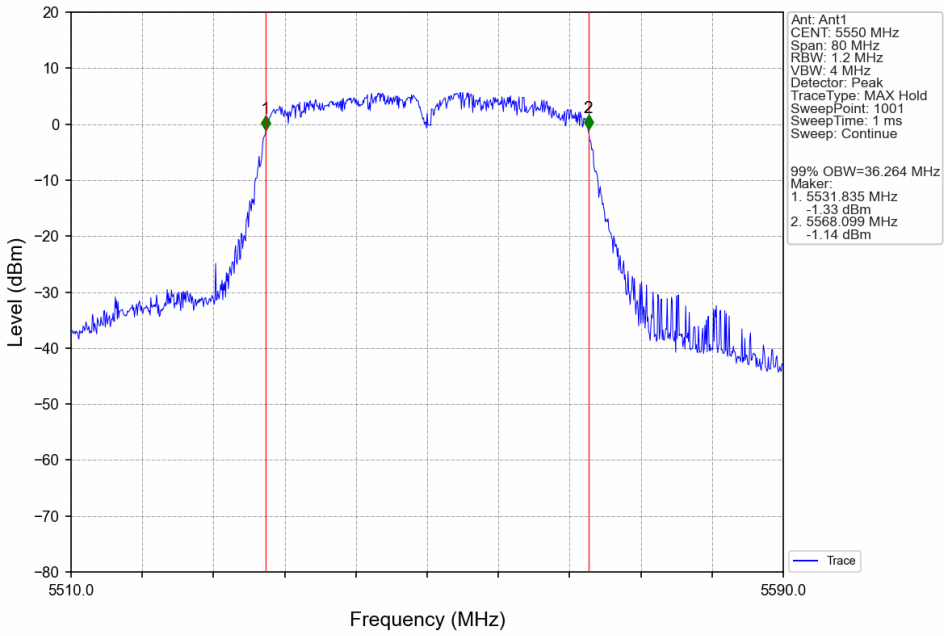
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



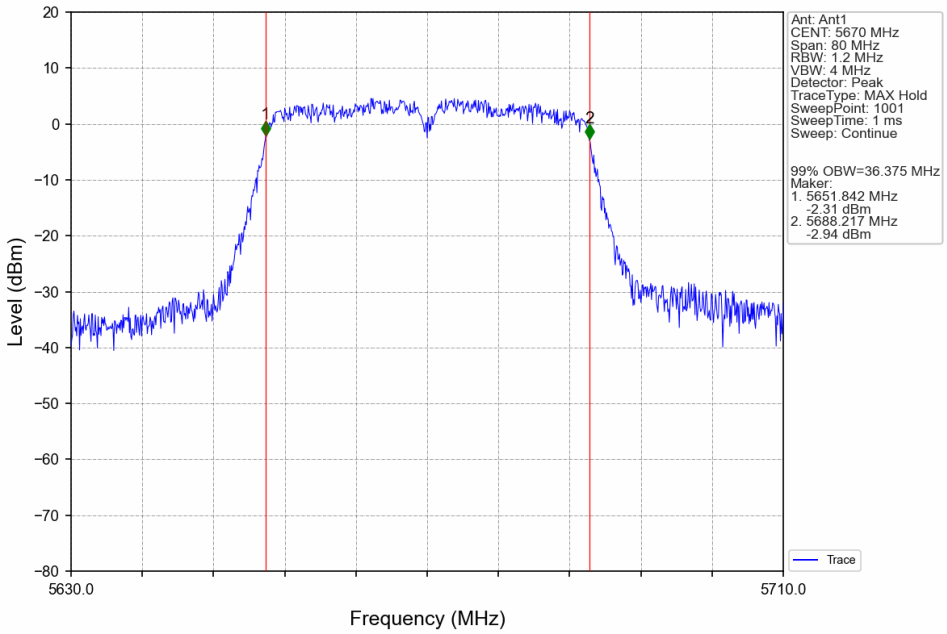
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



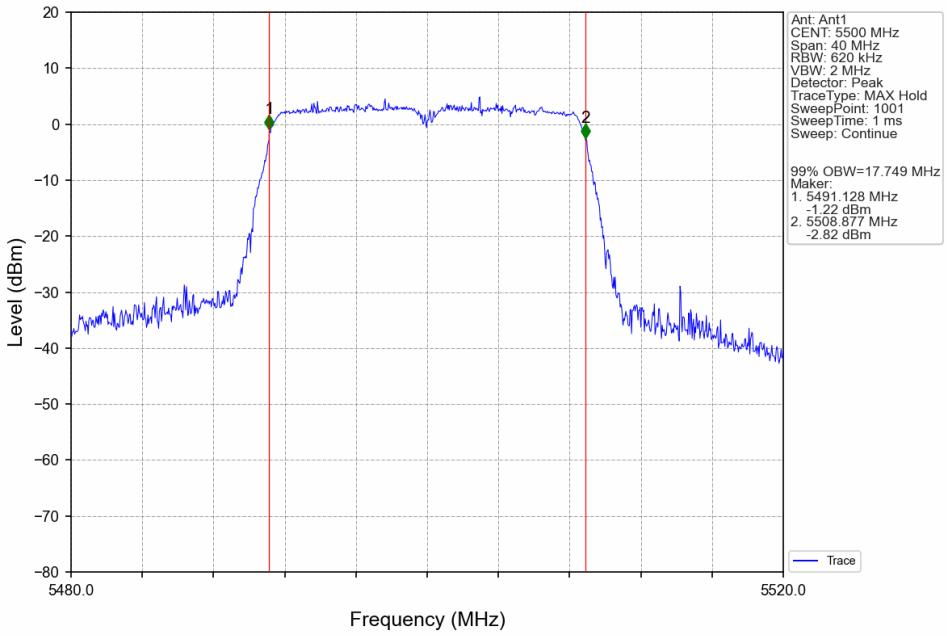
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



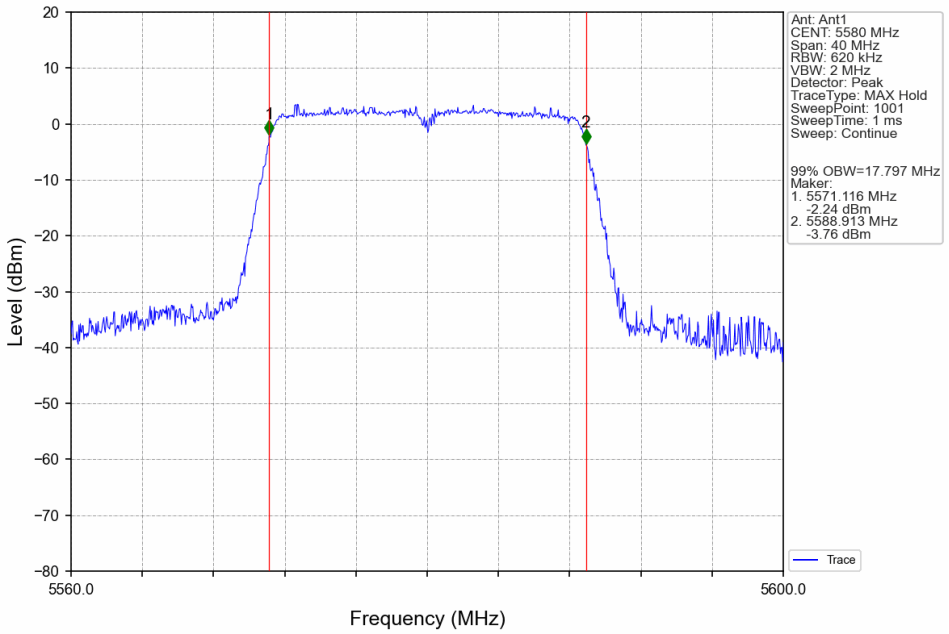
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



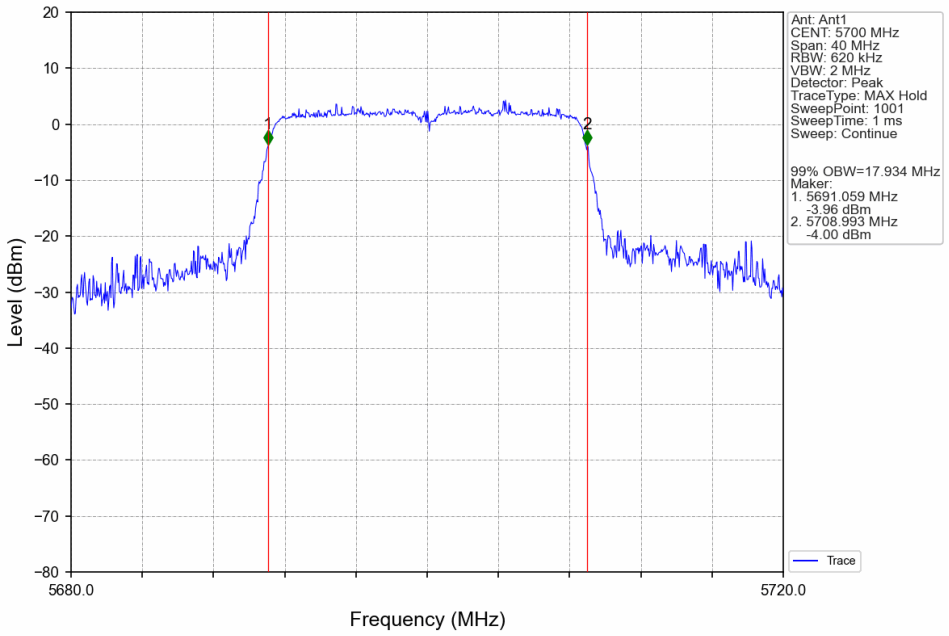
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



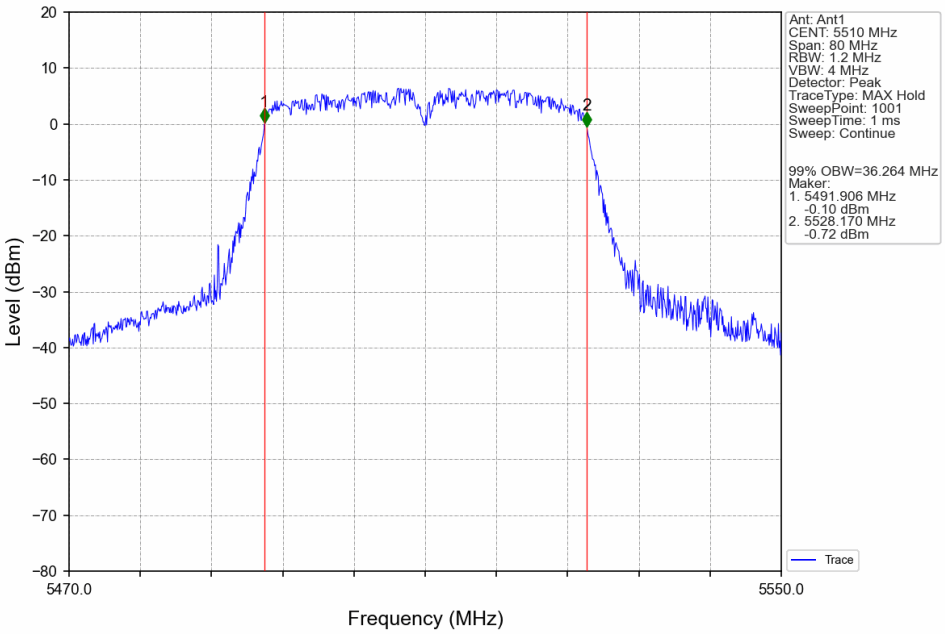
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



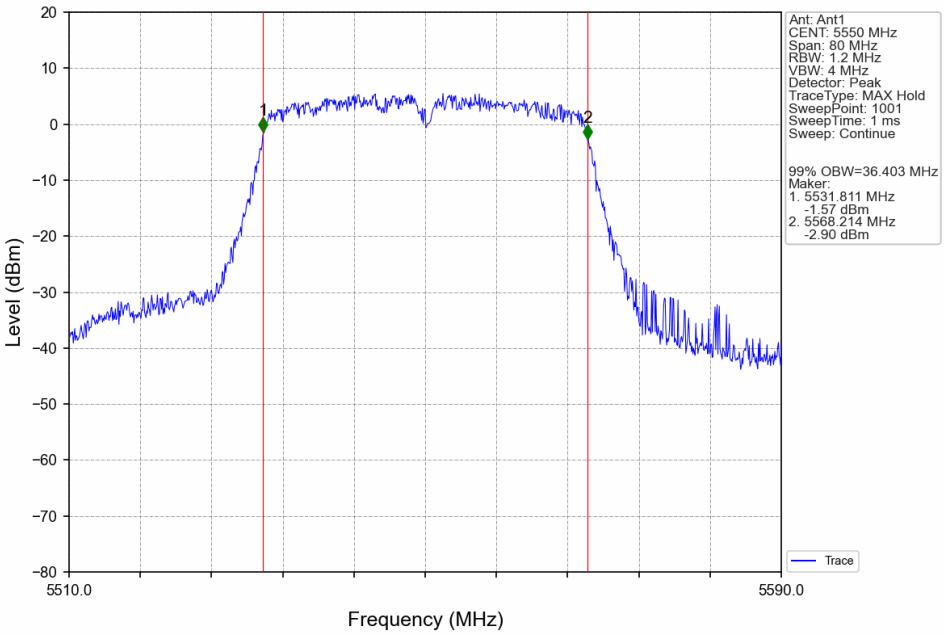
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



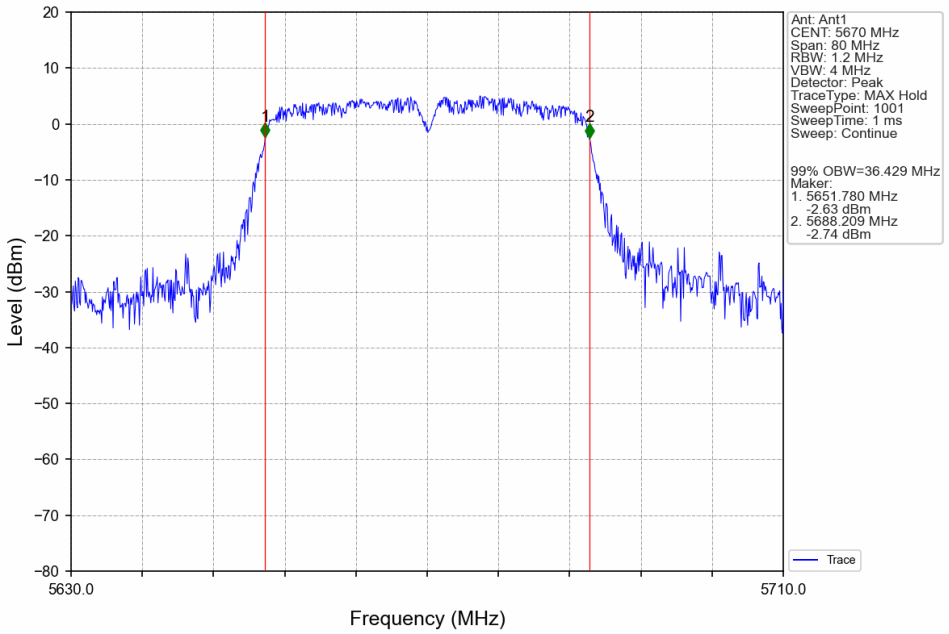
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



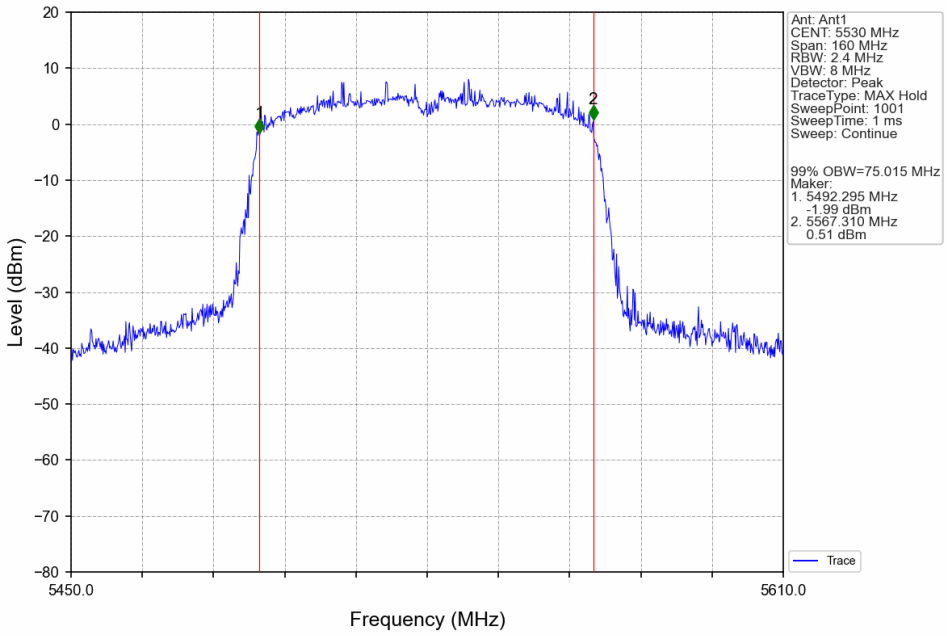
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



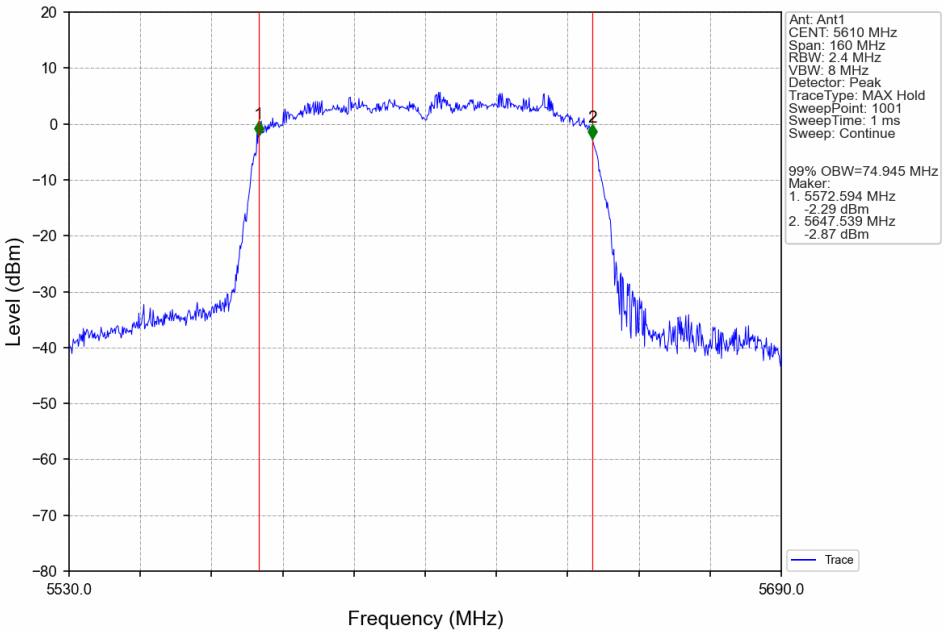
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

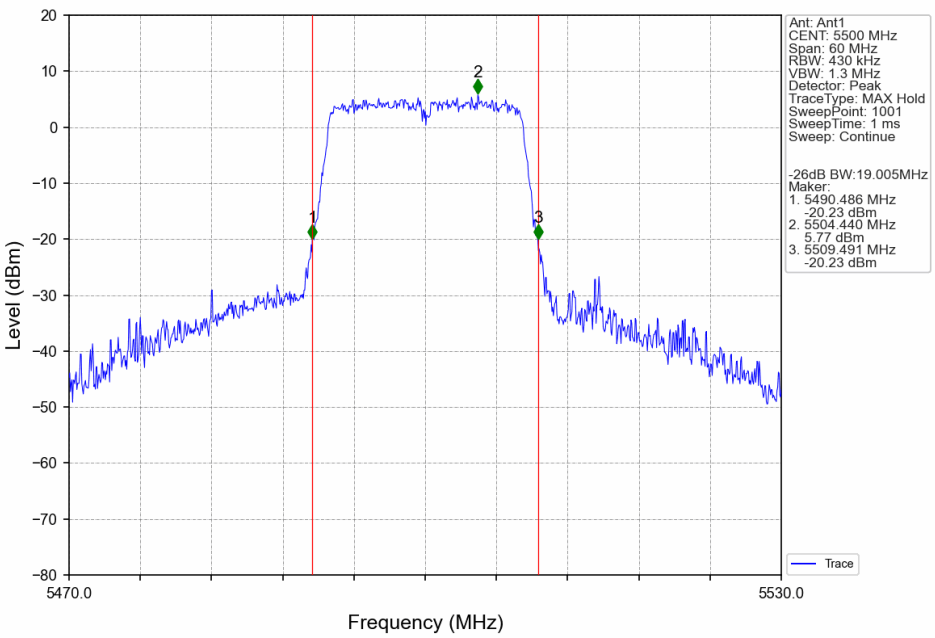


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

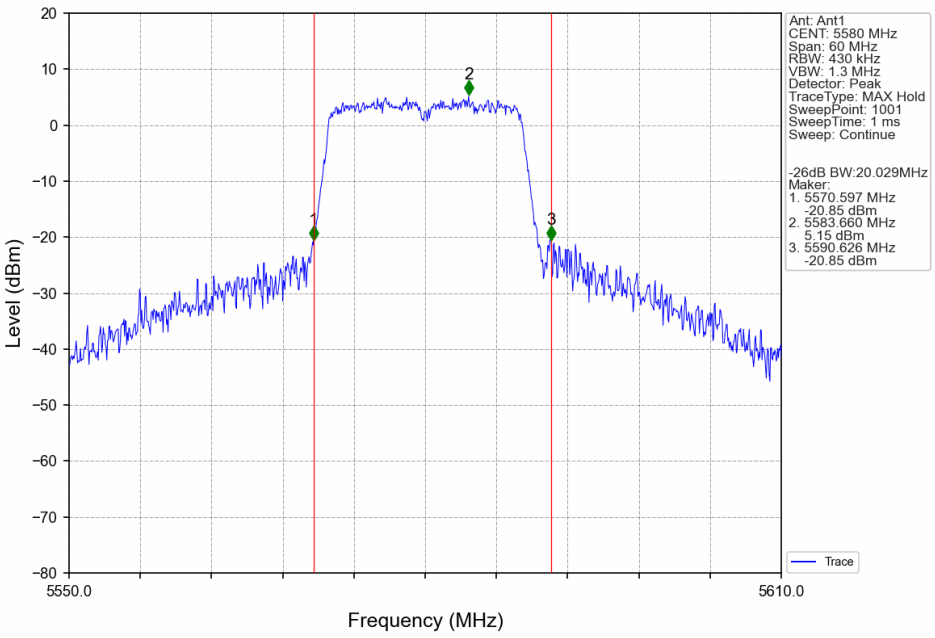


2.2.2 26dB BW

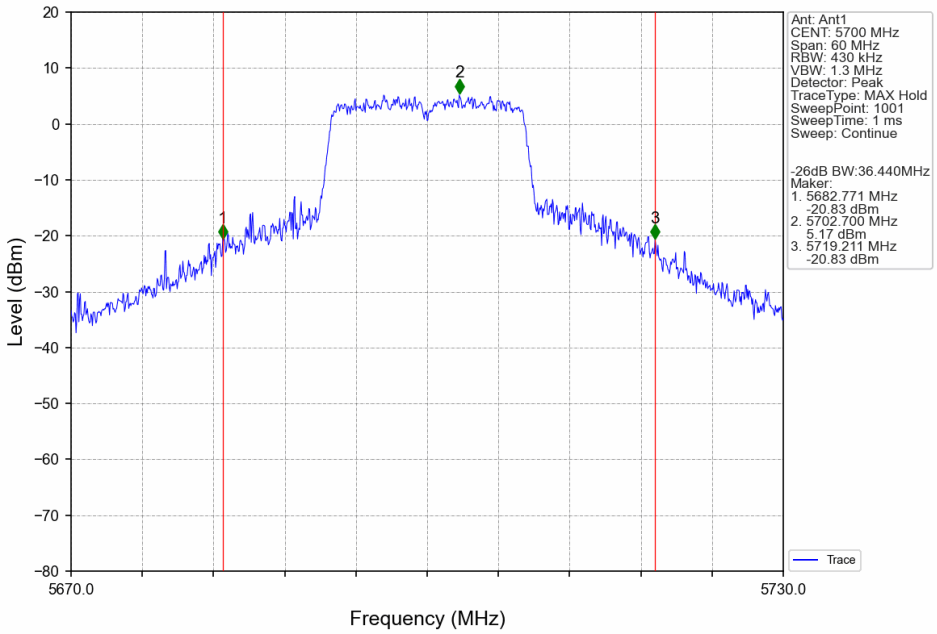
802.11a_LCH_5500MHz_Ant1_NTNV



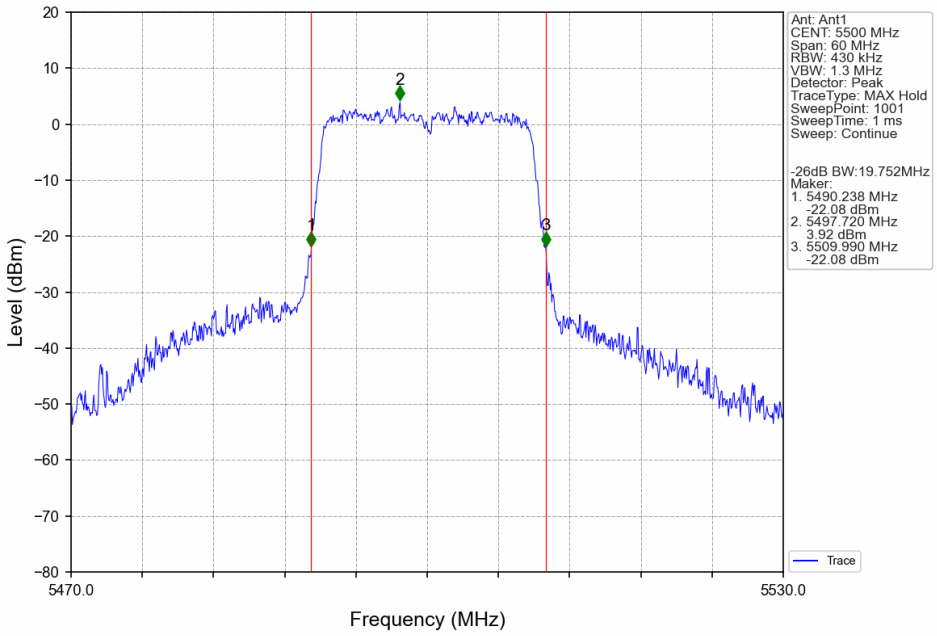
802.11a_MCH_5580MHz_Ant1_NTNV



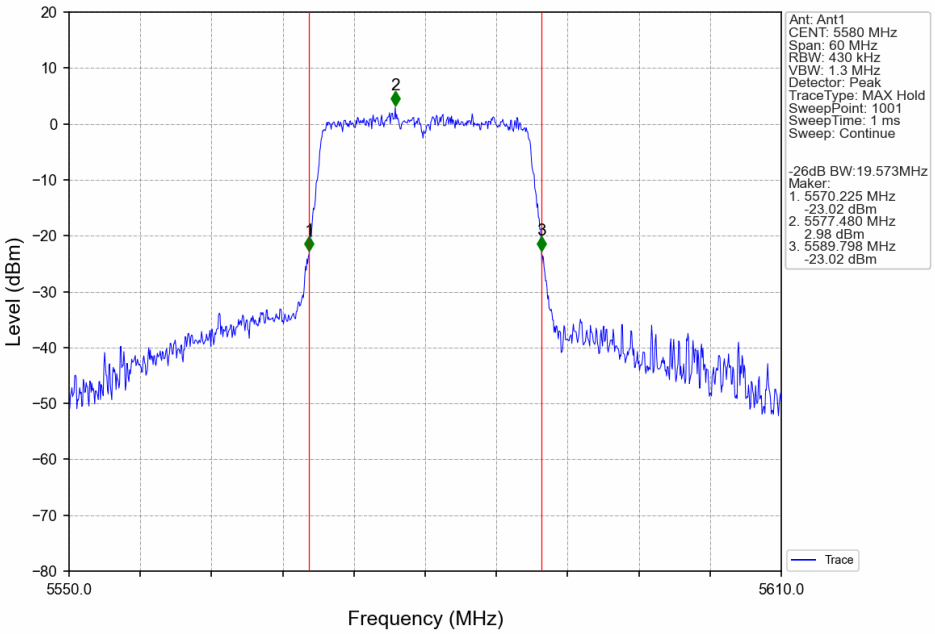
802.11a_HCH_5700MHz_Ant1_NTNV



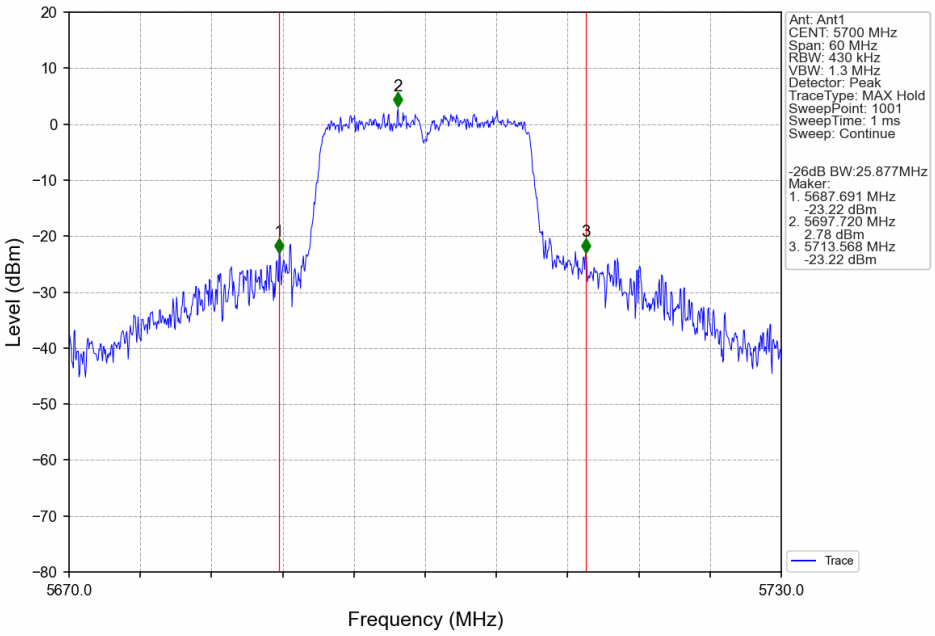
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



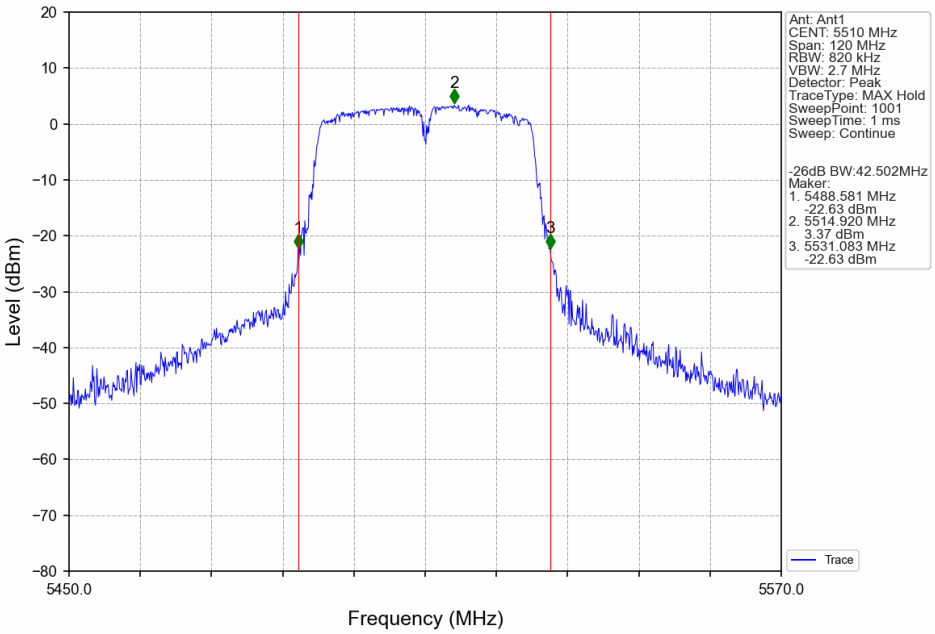
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



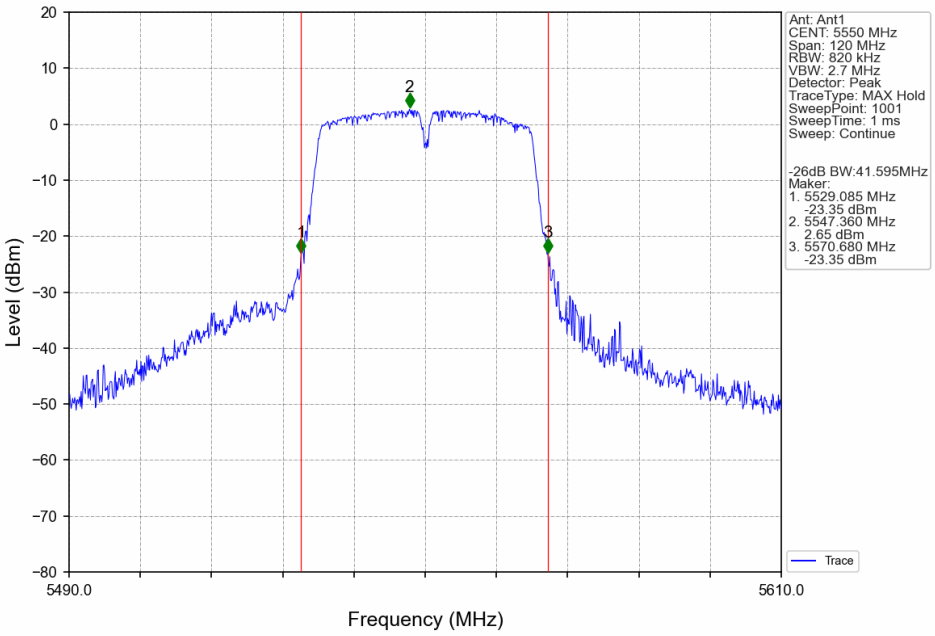
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



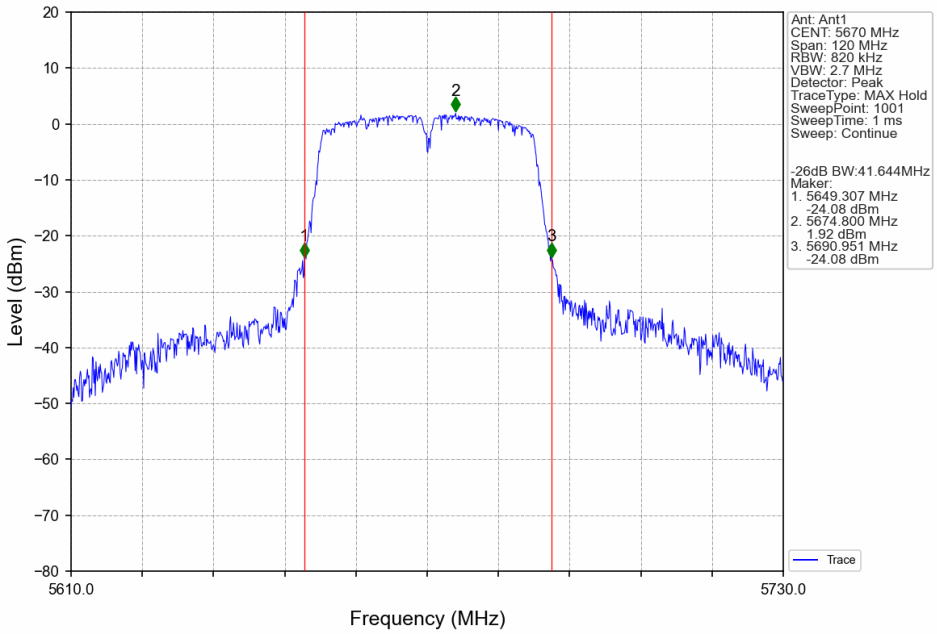
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



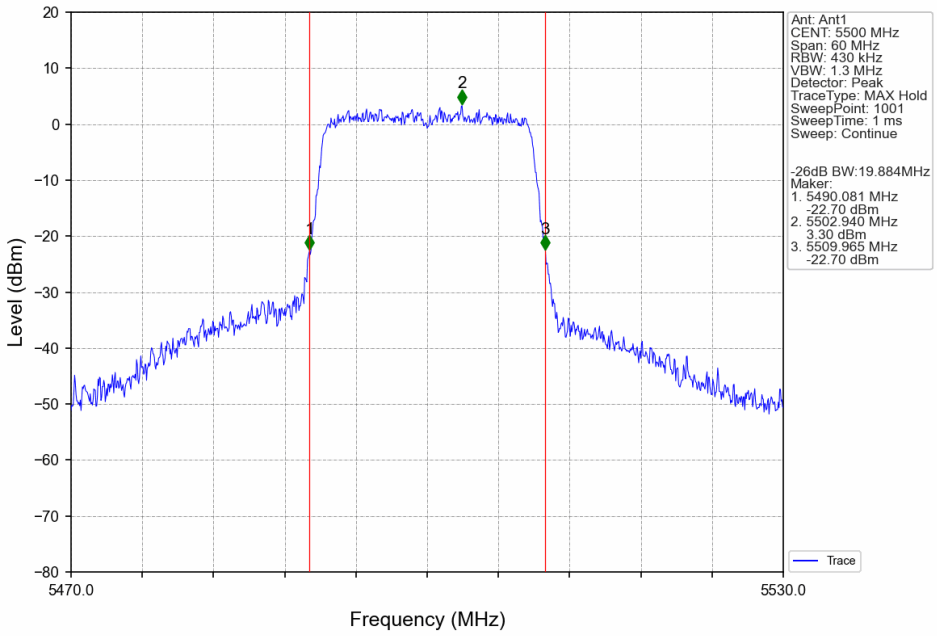
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



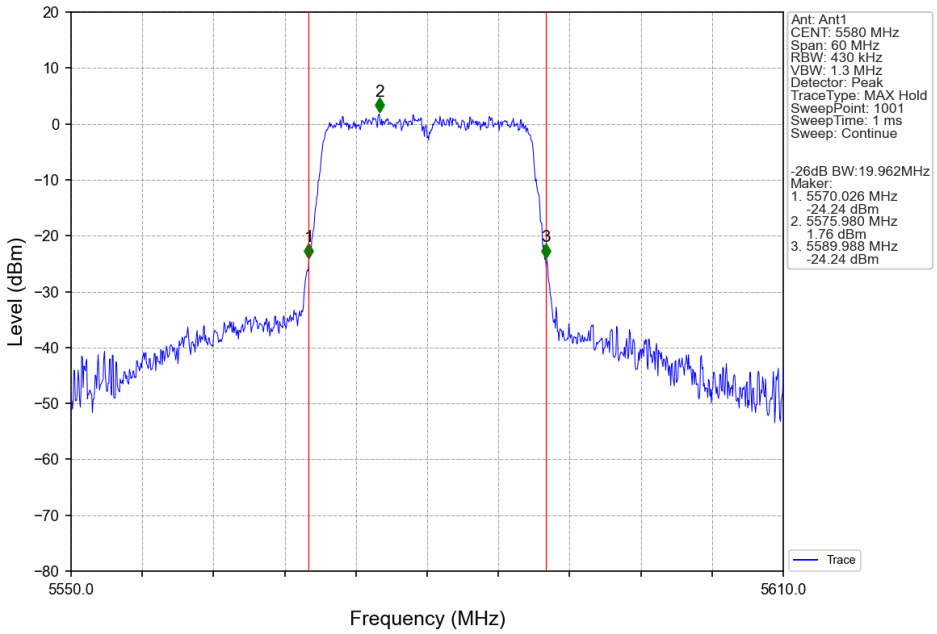
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



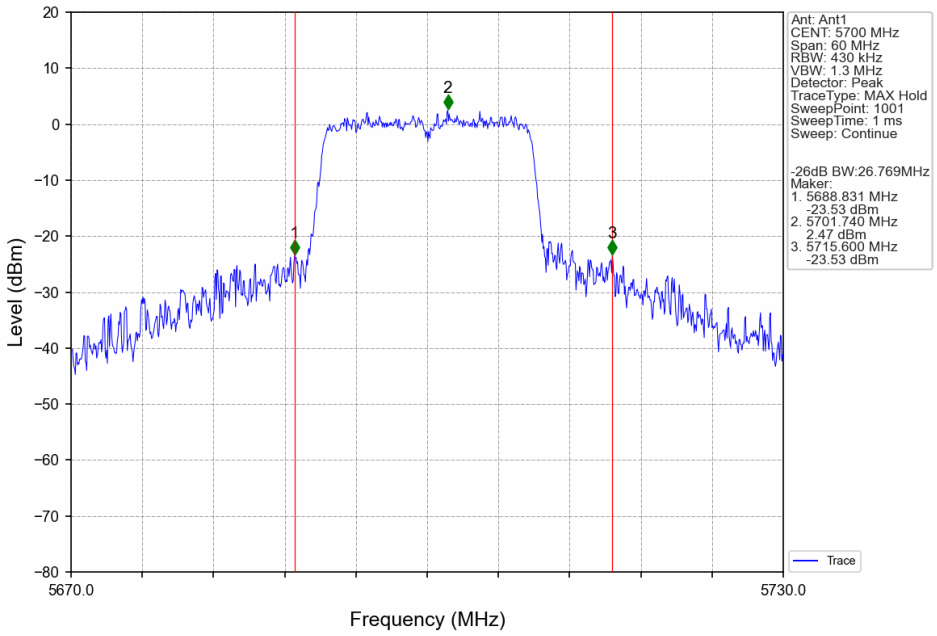
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



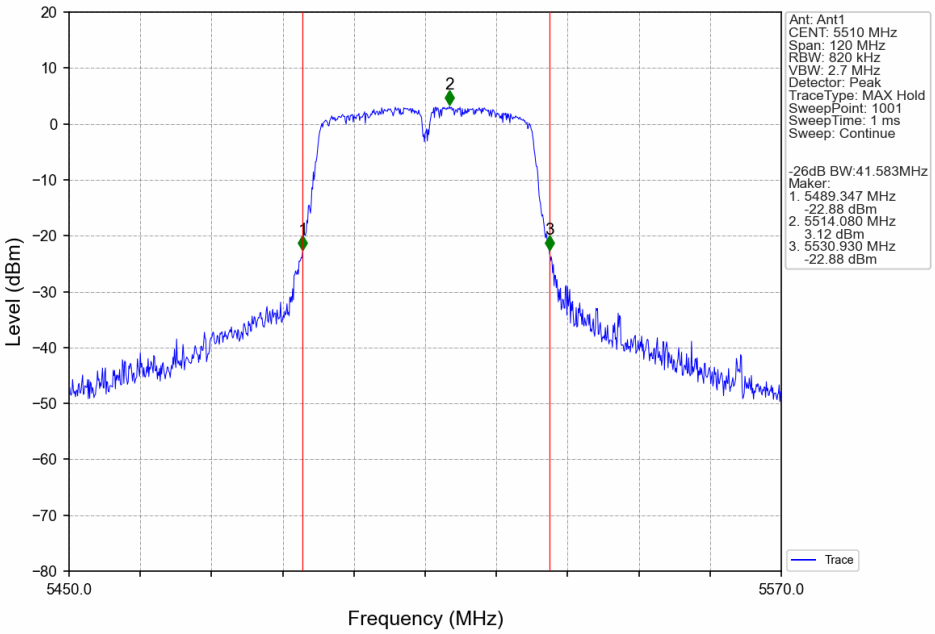
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



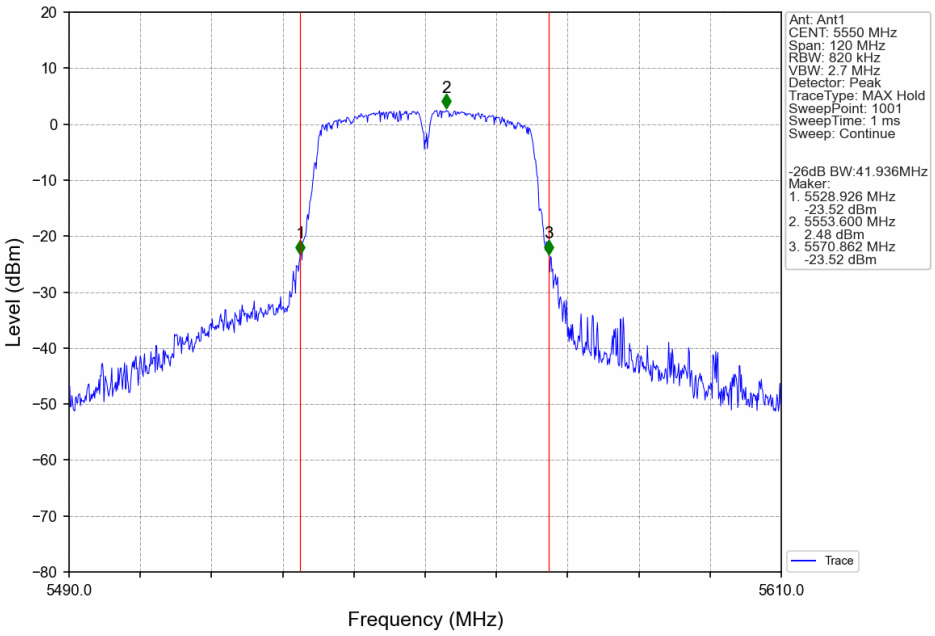
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



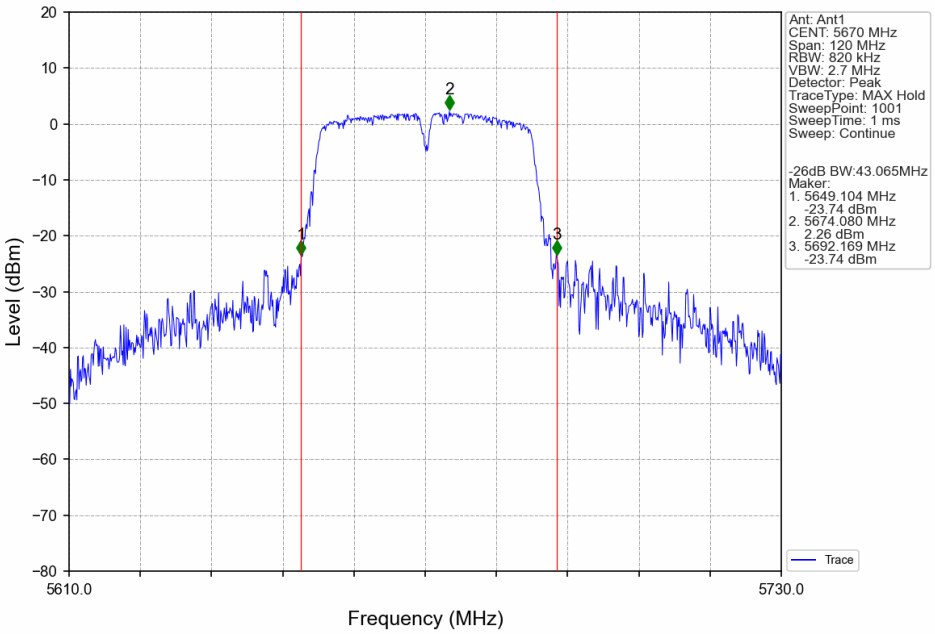
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



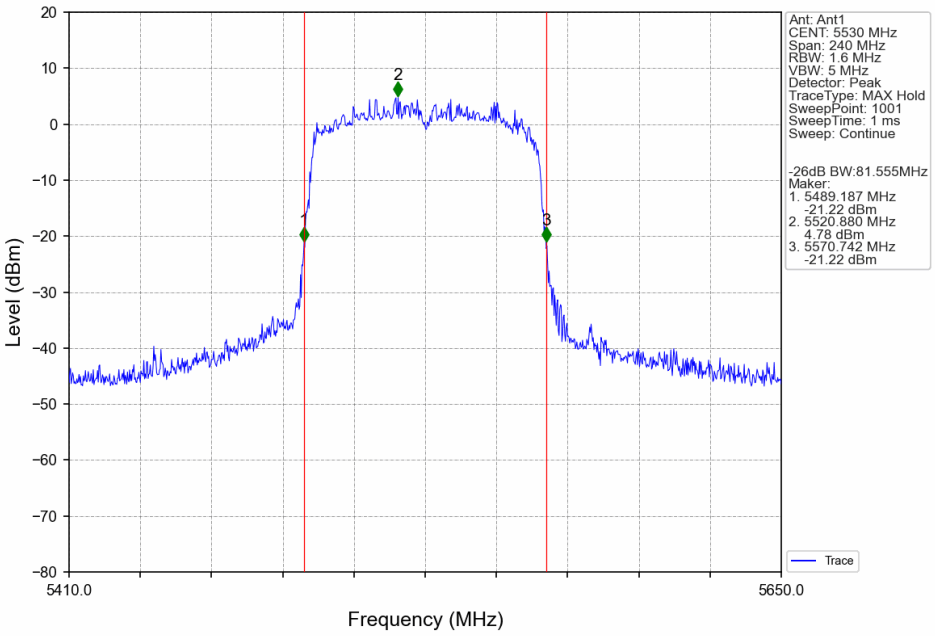
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



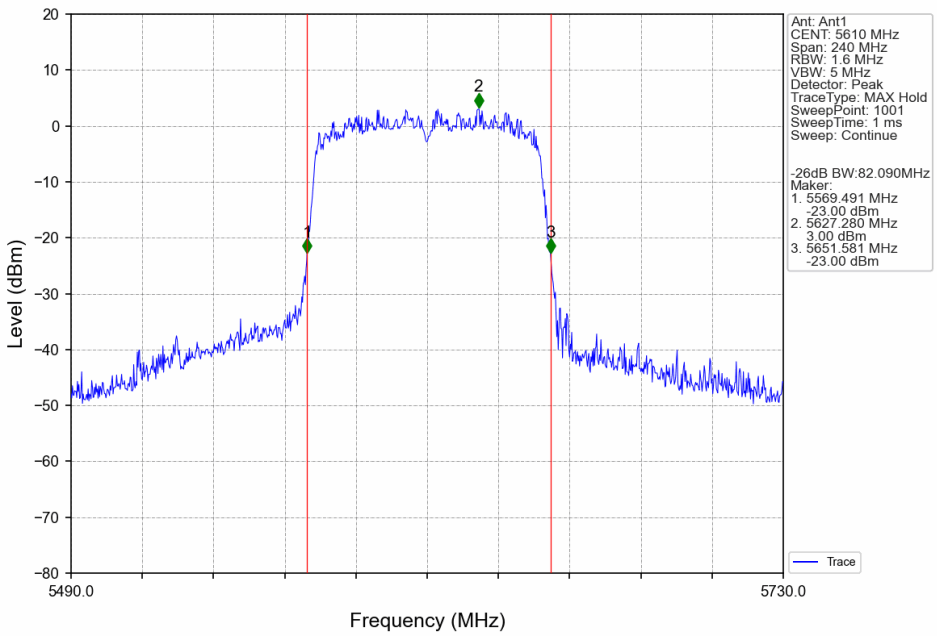
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_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	ANT2	MIMO	Limit	
802.11a	SISO	5500	13.51	14.90	/	<=23.79	Pass
		5580	12.65	14.76	/	<=23.98	Pass
		5700	12.86	14.50	/	<=23.98	Pass
802.11n (HT20)	MIMO	5500	11.08	12.53	14.88	<=23.96	Pass
		5580	10.17	12.21	14.32	<=23.92	Pass
		5700	9.96	12.03	14.13	<=23.98	Pass
802.11n (HT40)	MIMO	5510	11.13	12.14	14.67	<=23.98	Pass
		5550	10.38	12.05	14.31	<=23.98	Pass
		5670	9.84	12.05	14.09	<=23.98	Pass
802.11ac (VHT20)	MIMO	5500	11.05	12.51	14.85	<=23.98	Pass
		5580	9.98	11.99	14.11	<=23.98	Pass
		5700	9.90	11.97	14.07	<=23.98	Pass
802.11ac (VHT40)	MIMO	5510	10.90	13.43	15.36	<=23.98	Pass
		5550	10.39	11.84	14.19	<=23.98	Pass
		5670	9.84	12.03	14.08	<=23.98	Pass
802.11ac (VHT80)	MIMO	5530	10.23	11.87	14.14	<=23.98	Pass
		5610	9.09	11.52	13.48	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.35dBi; Ant2: 5.15dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)
For multiple-input multiple-output (MIMO) systems, if the measured channel bandwidth on the middle channel exceeds the minimum permitted bandwidth by more than 50% on one transmi chain, then it is not necessary to repeat testing on the other chains.

4. Maximum Power Spectral Density

4.1 Test Result

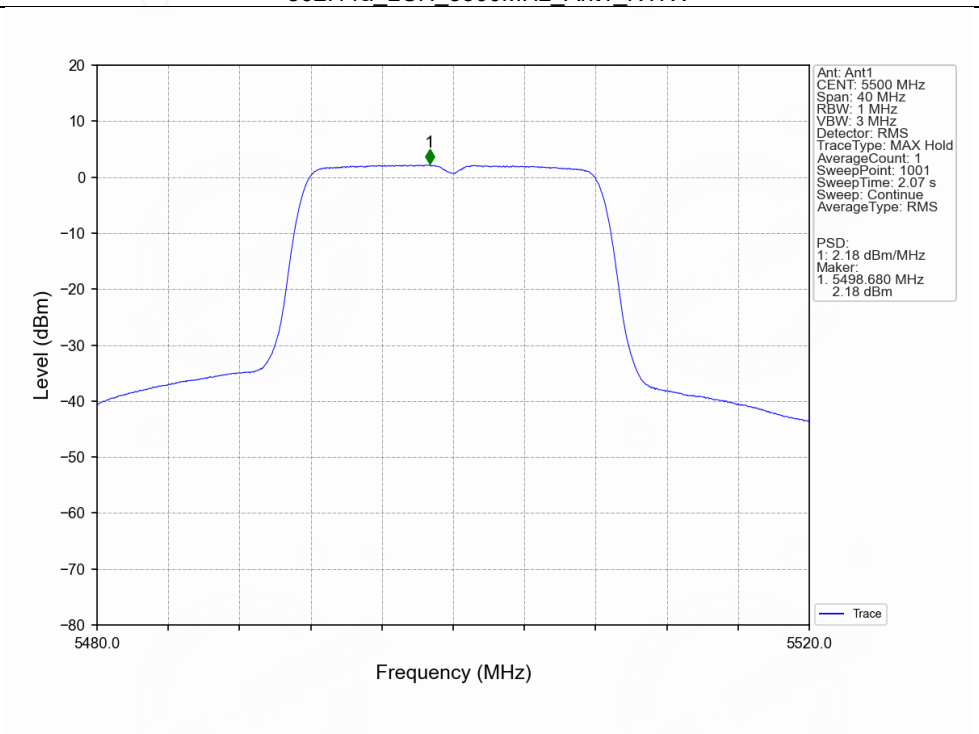
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5500	2.18	3.81	/	<=11	Pass
		5580	1.26	3.37	/	<=11	Pass
		5700	1.33	3.03	/	<=11	Pass
802.11n (HT20)	MIMO	5500	-0.65	0.90	3.18	<=11	Pass
		5580	-1.44	0.54	2.66	<=11	Pass
		5700	-1.59	0.26	2.39	<=11	Pass
802.11n (HT40)	MIMO	5510	-3.33	-2.06	0.21	<=11	Pass
		5550	-3.95	-2.34	-0.08	<=11	Pass
		5670	-4.59	-2.33	-0.33	<=11	Pass
802.11ac (VHT20)	MIMO	5500	-0.71	0.85	3.13	<=11	Pass
		5580	-1.50	0.61	2.67	<=11	Pass
		5700	-1.81	0.35	2.37	<=11	Pass
802.11ac (VHT40)	MIMO	5510	-3.40	-2.26	0.11	<=11	Pass
		5550	-3.86	-2.60	-0.20	<=11	Pass
		5670	-4.52	-2.24	-0.27	<=11	Pass
802.11ac (VHT80)	MIMO	5530	-7.14	-5.49	-3.33	<=11	Pass
		5610	-8.26	-5.83	-3.96	<=11	Pass
Note1: Antenna Gain: Ant1: 3.35dBi; Ant2: 5.15dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)							

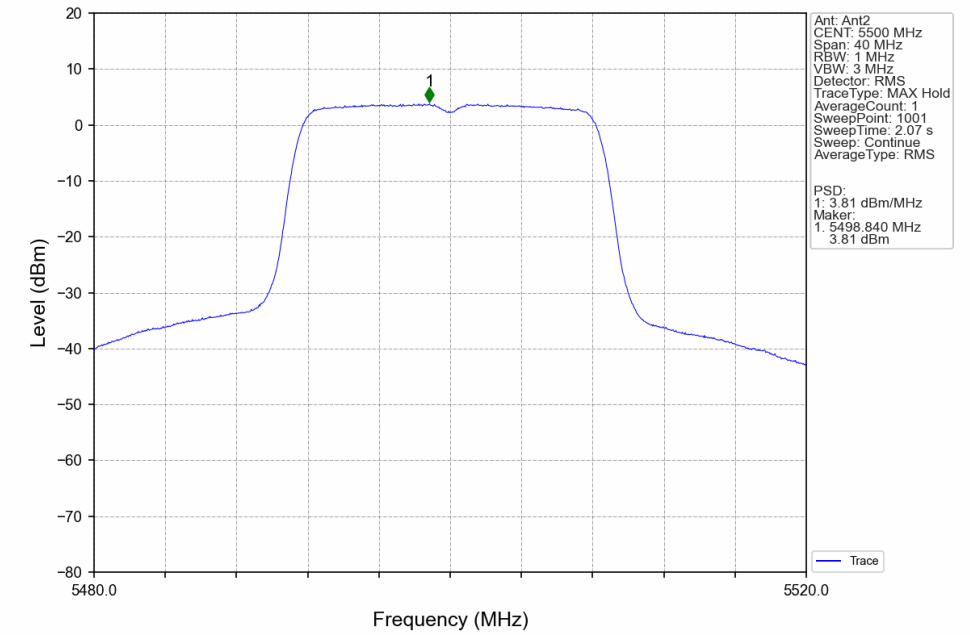
4.2 Test Graph

4.2.1 PSD

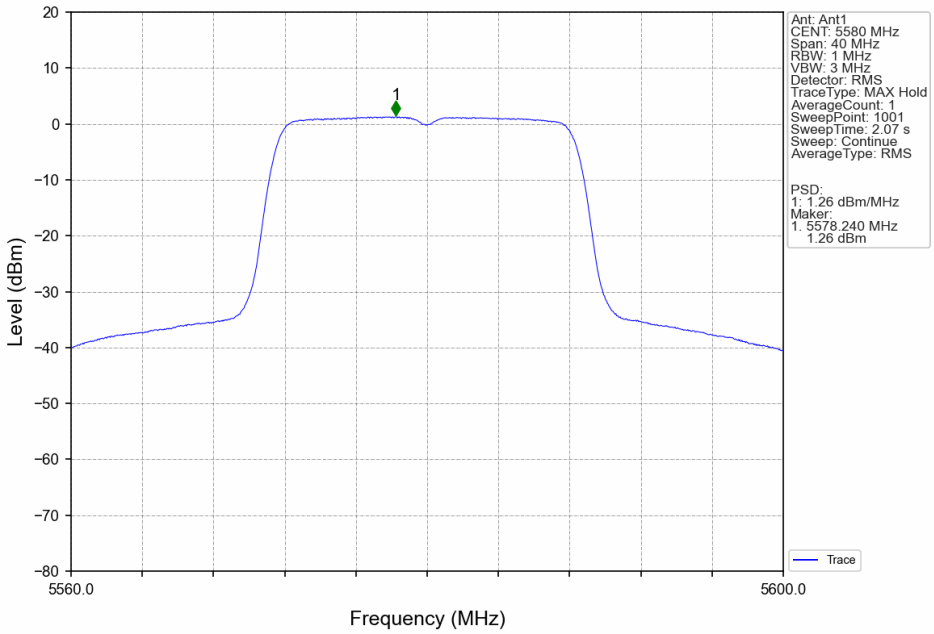
802.11a_LCH_5500MHz_Ant1_NTNV



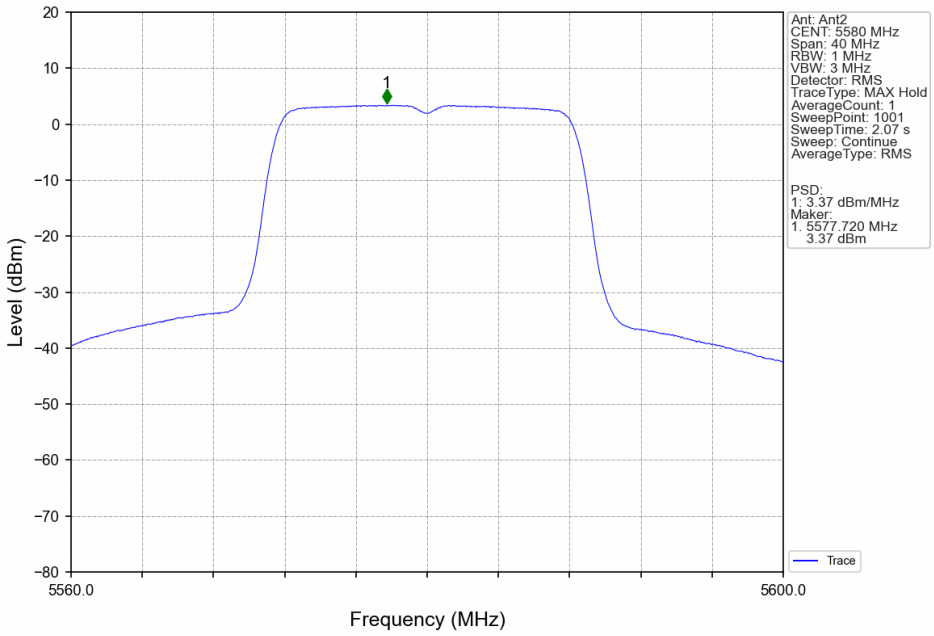
802.11a_LCH_5500MHz_Ant2_NTNV



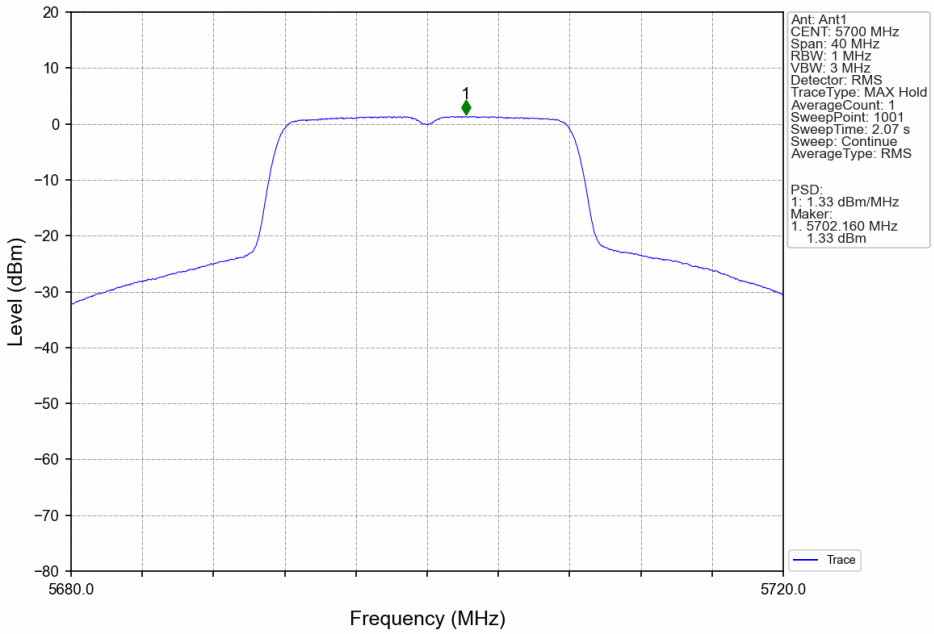
802.11a_MCH_5580MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant2_NTNV



802.11a_HCH_5700MHz_Ant1_NTNV



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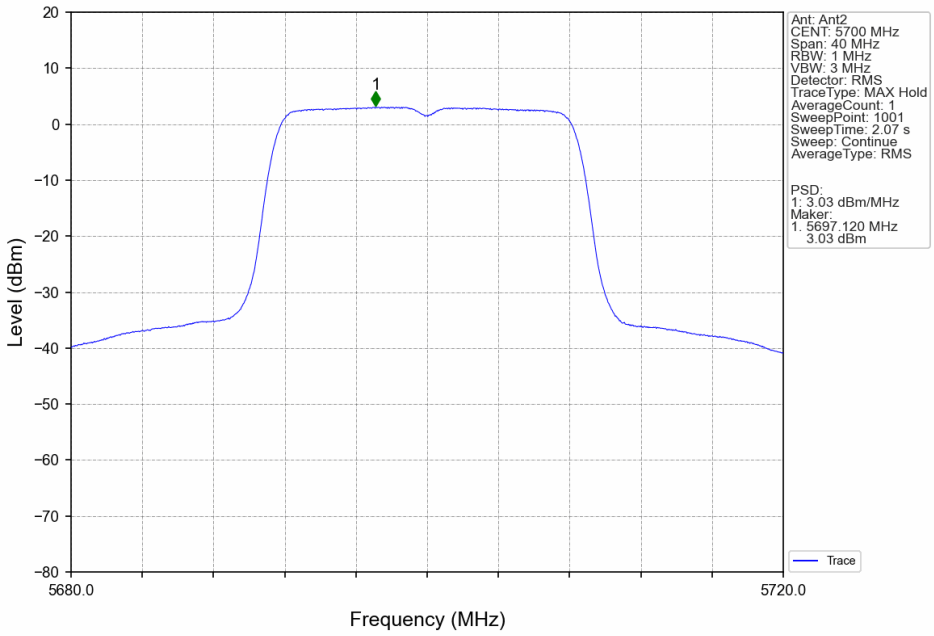
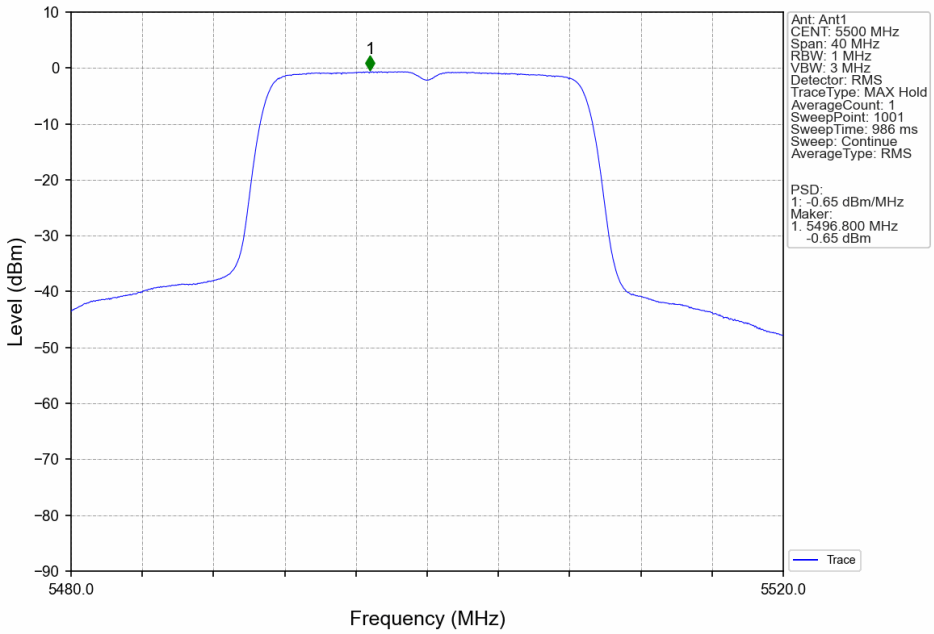


802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



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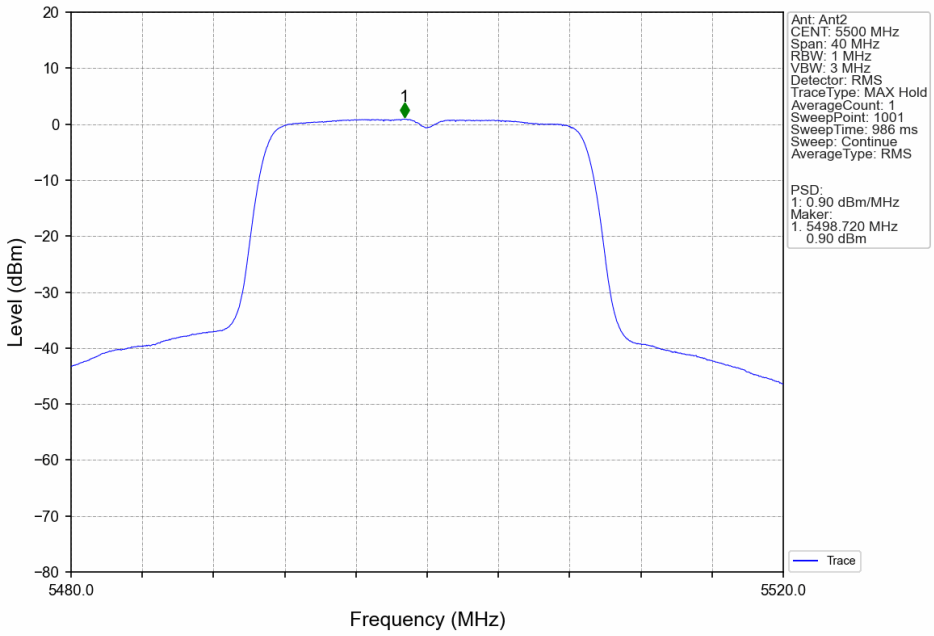
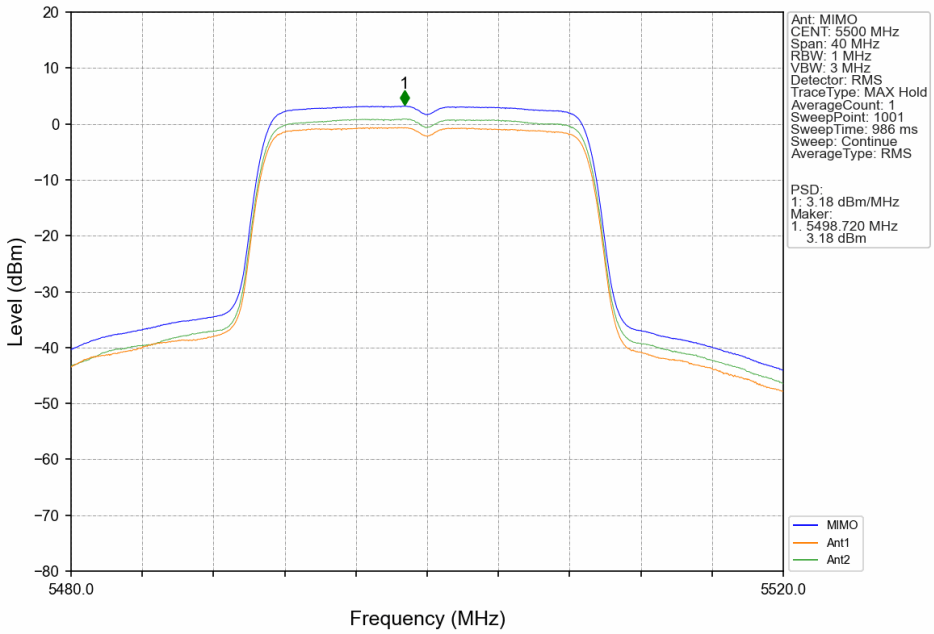
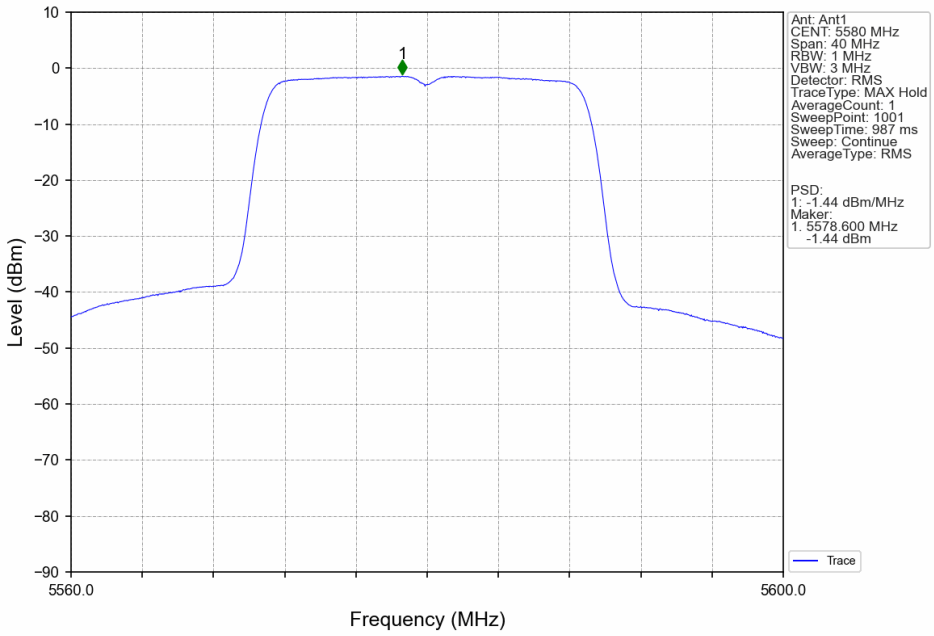


802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



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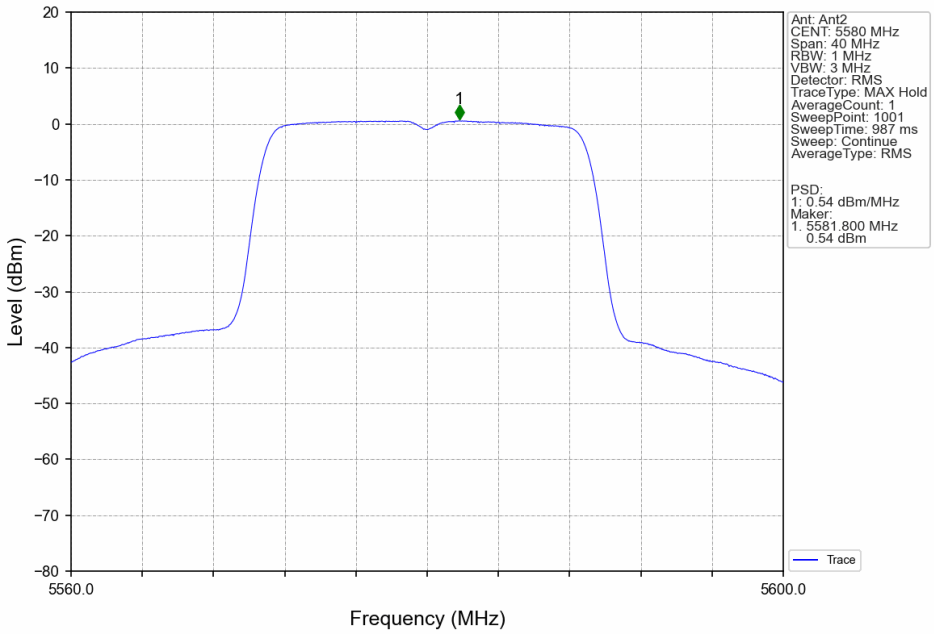
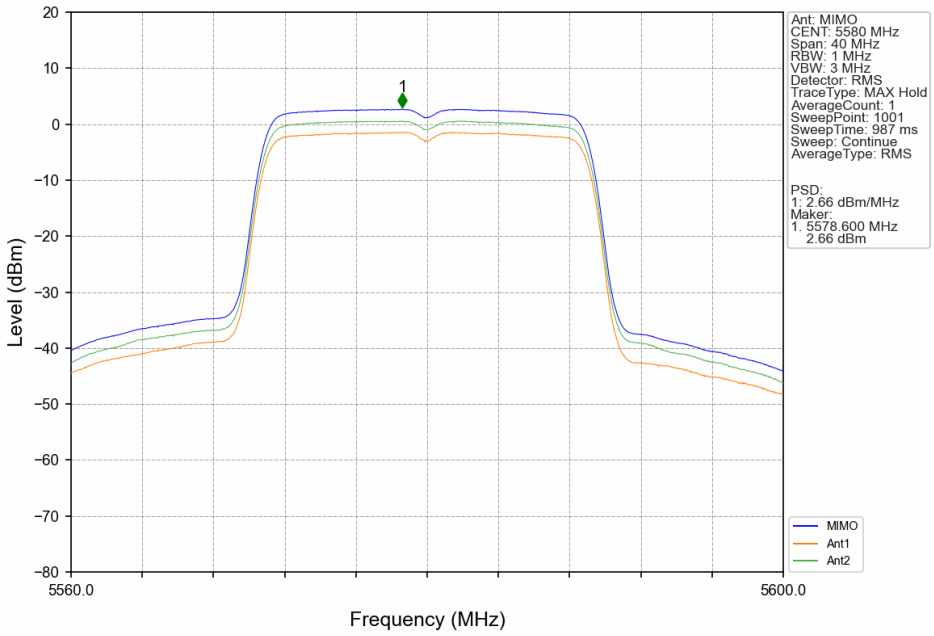


802.11n(HT20)_MCH_5580MHz_MIMO_NTNV



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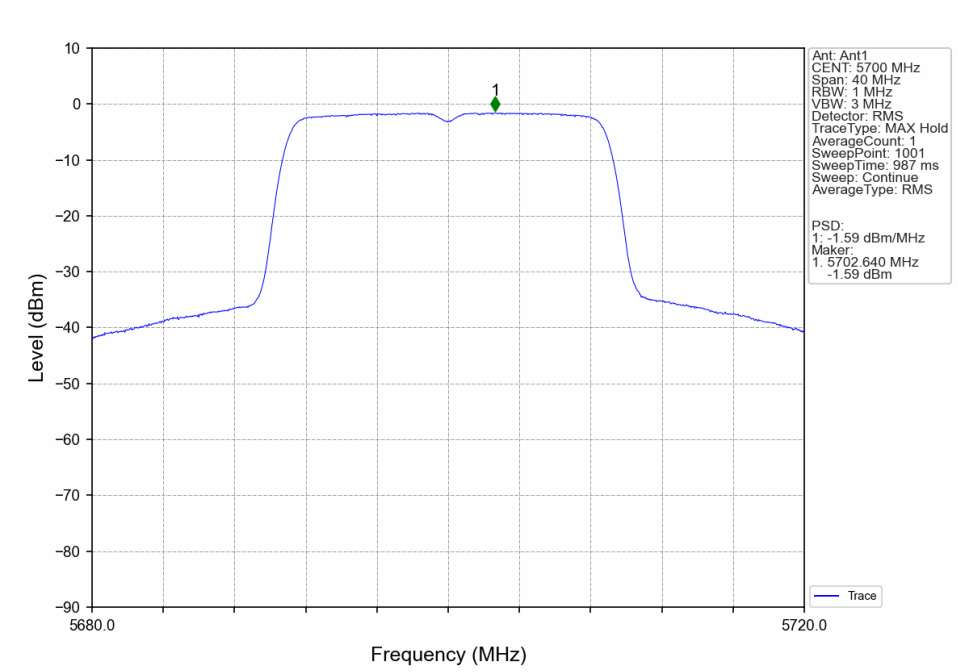

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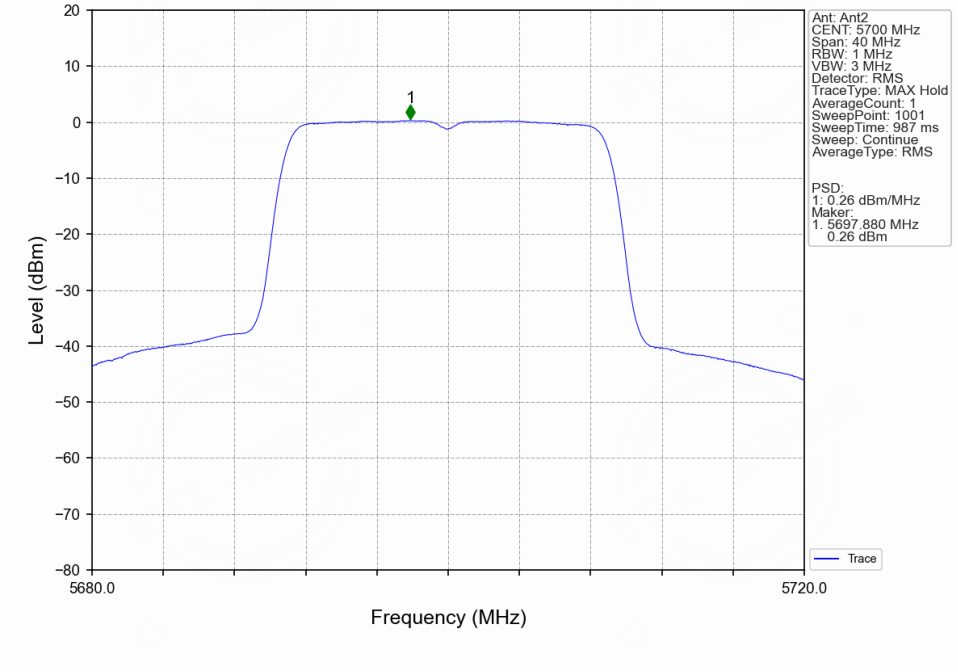
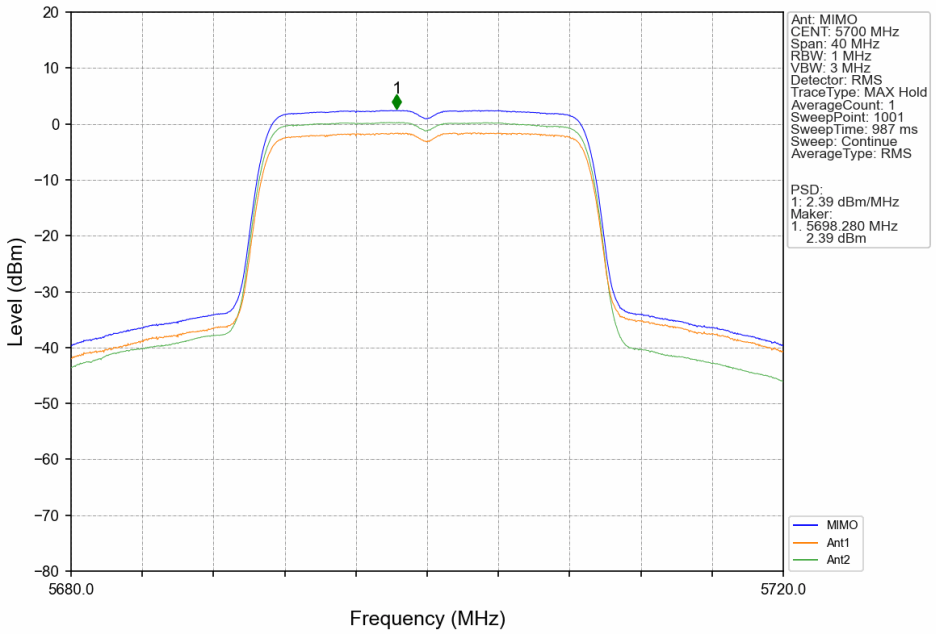
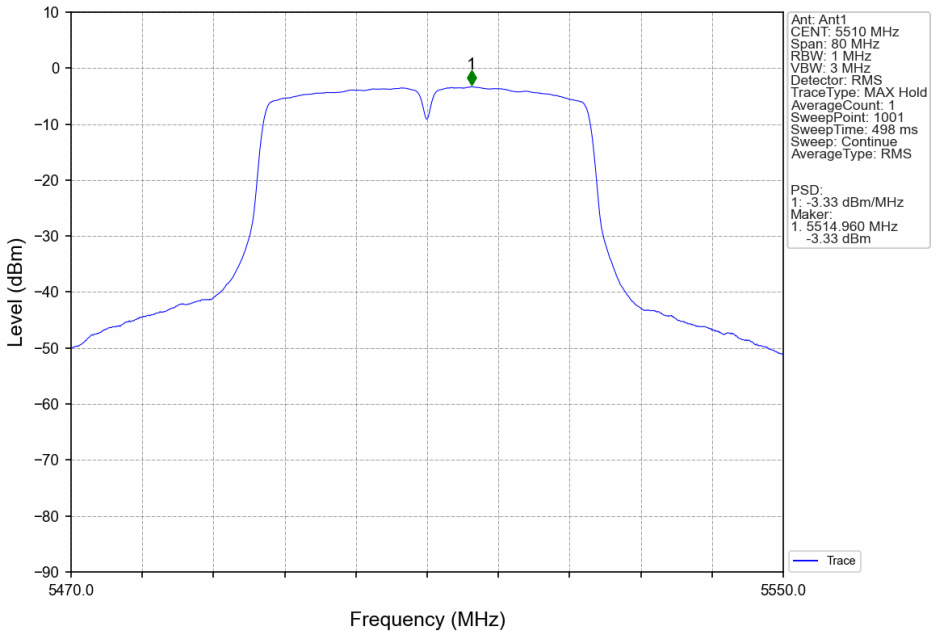


802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



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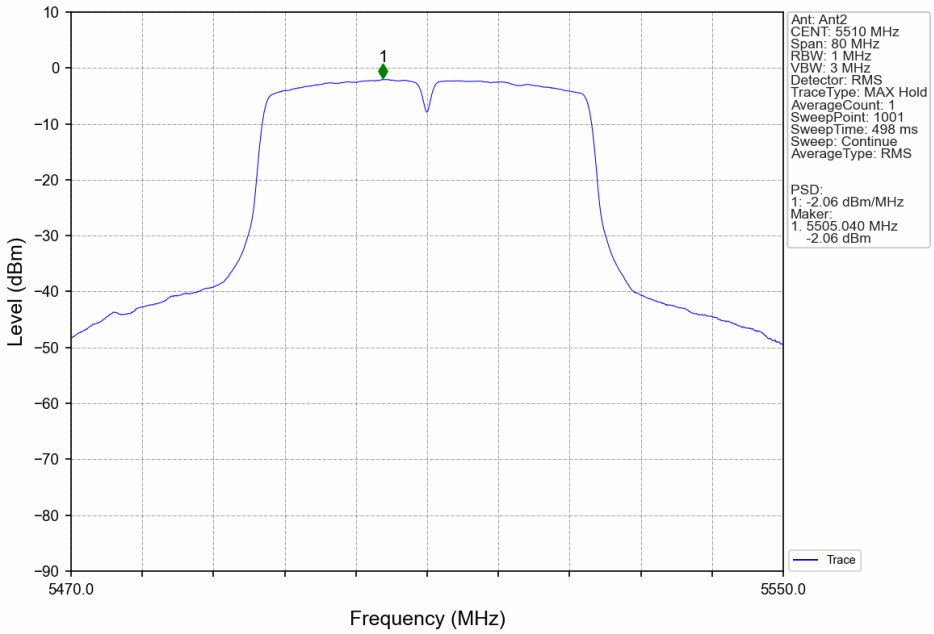

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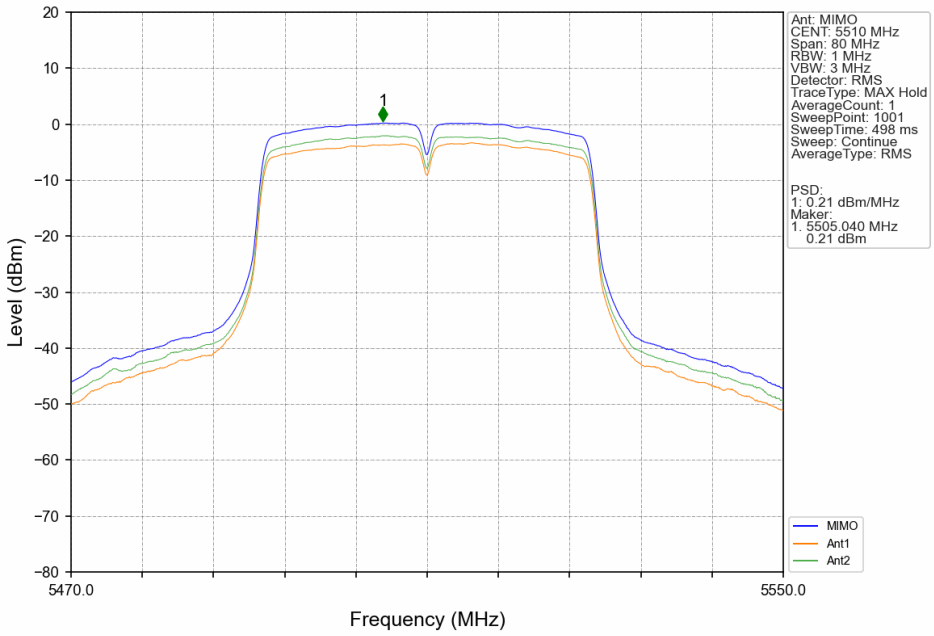

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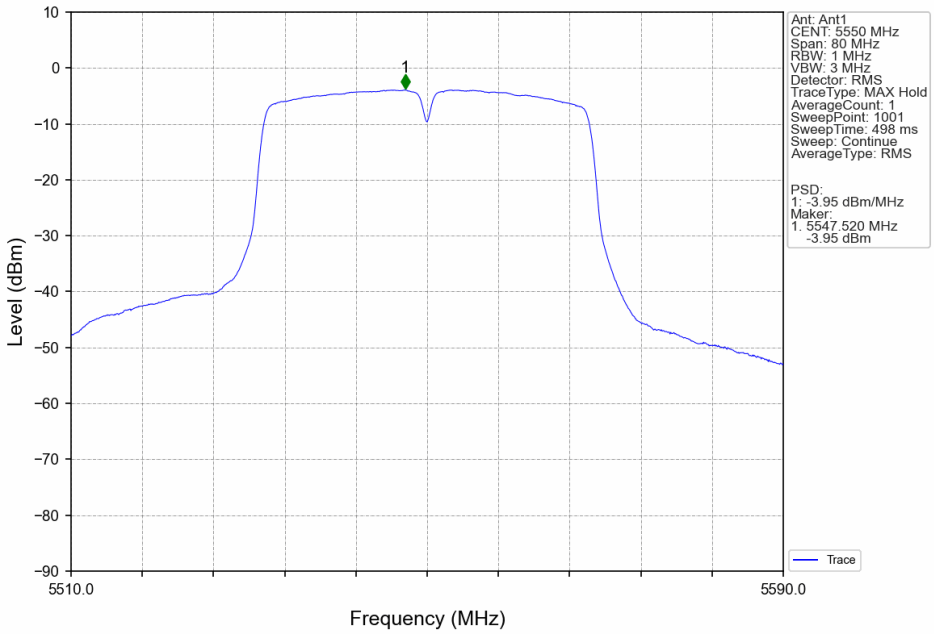

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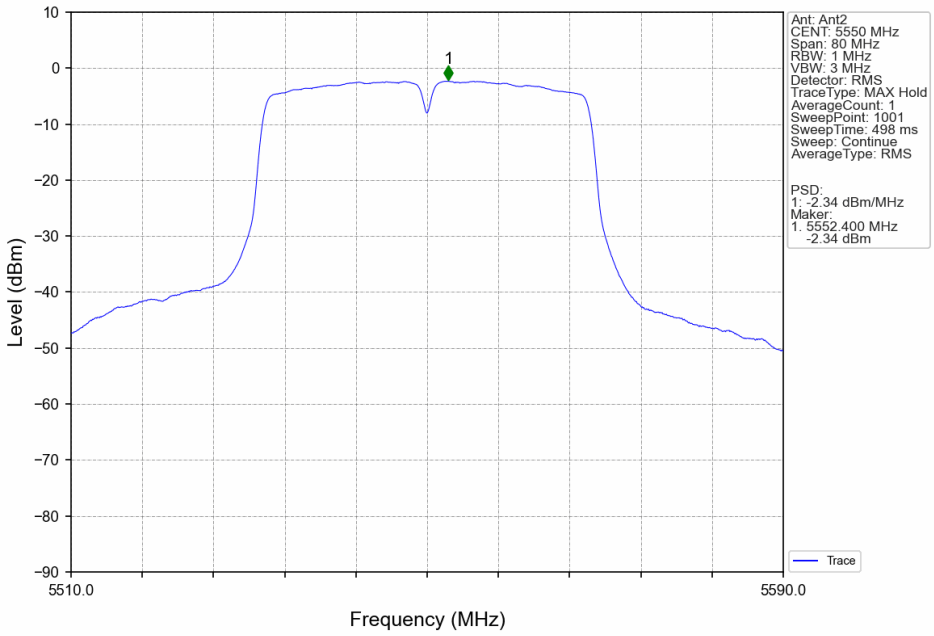

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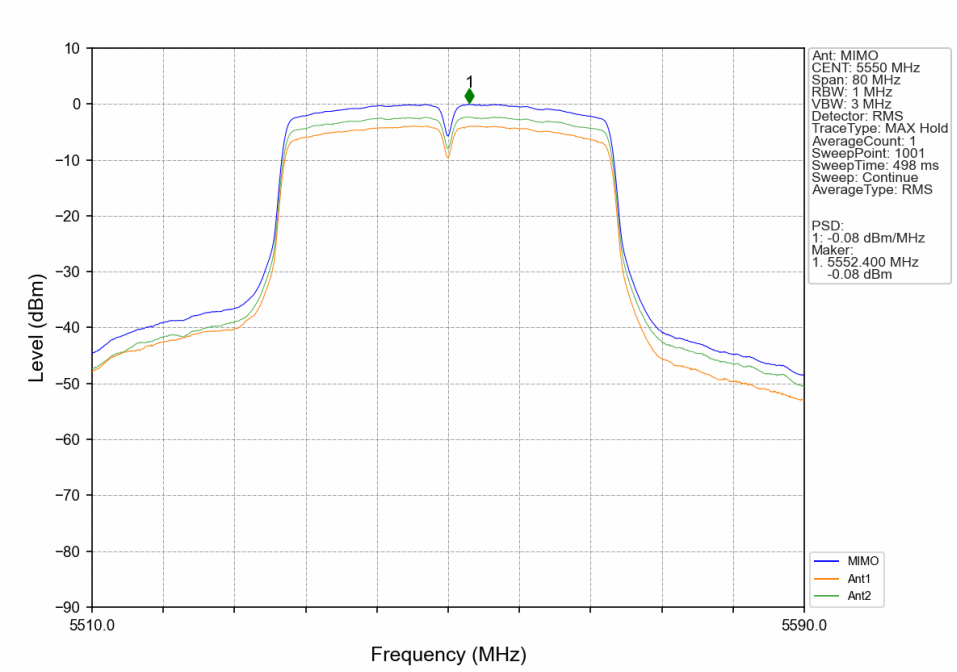
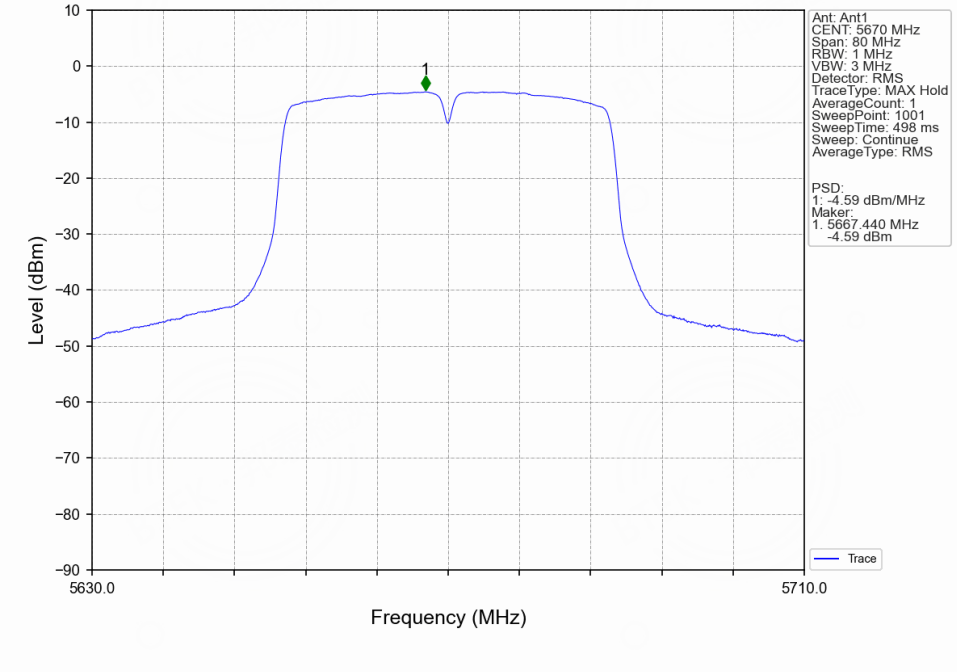


802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



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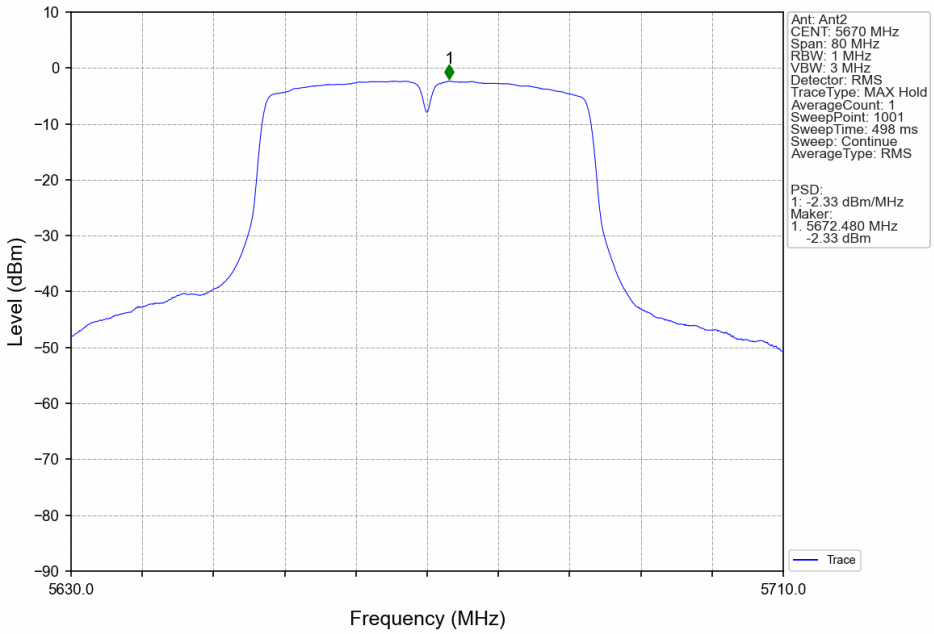
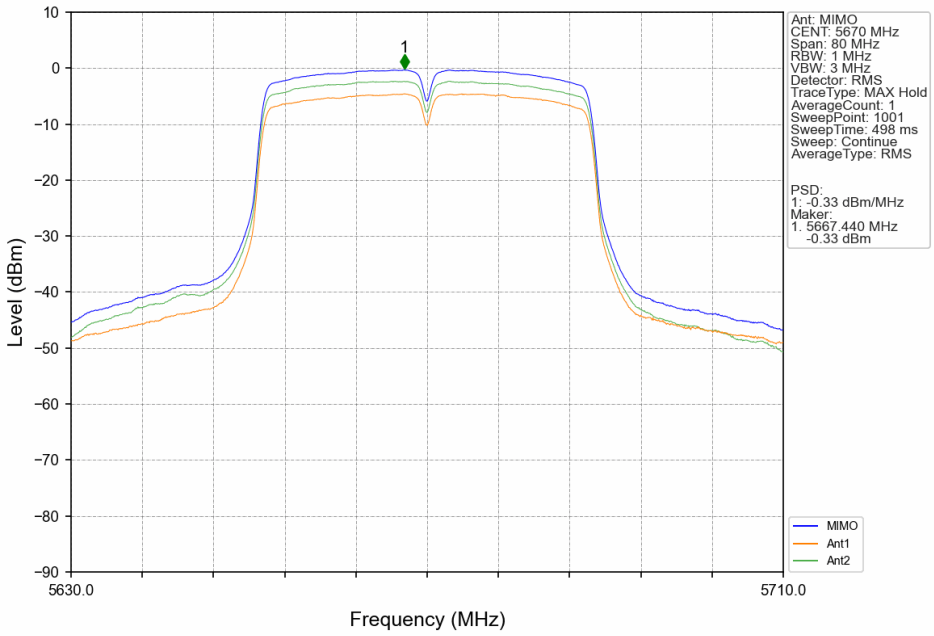
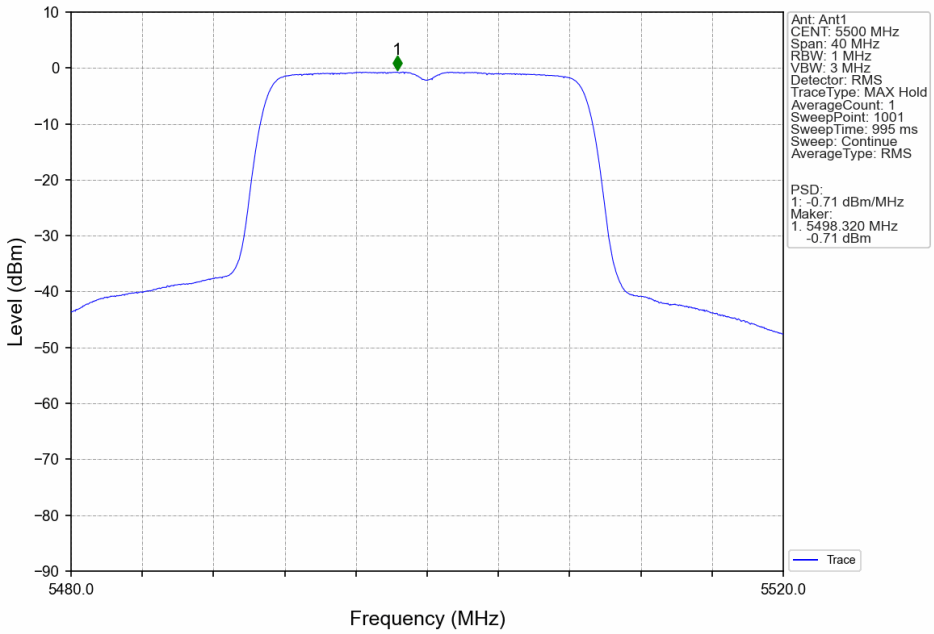


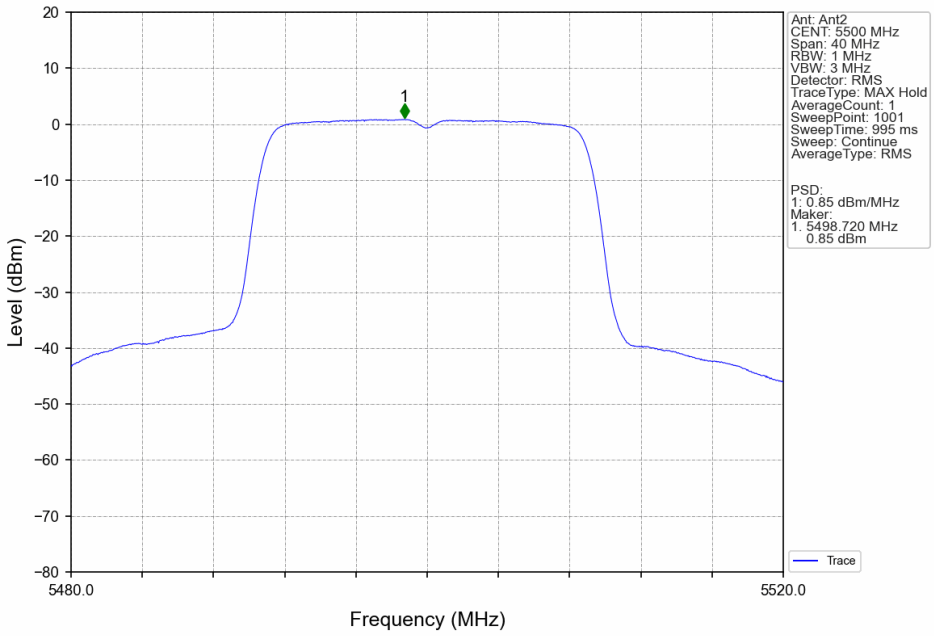
802.11n(HT40)_HCH_5670MHz_MIMO_NTNV



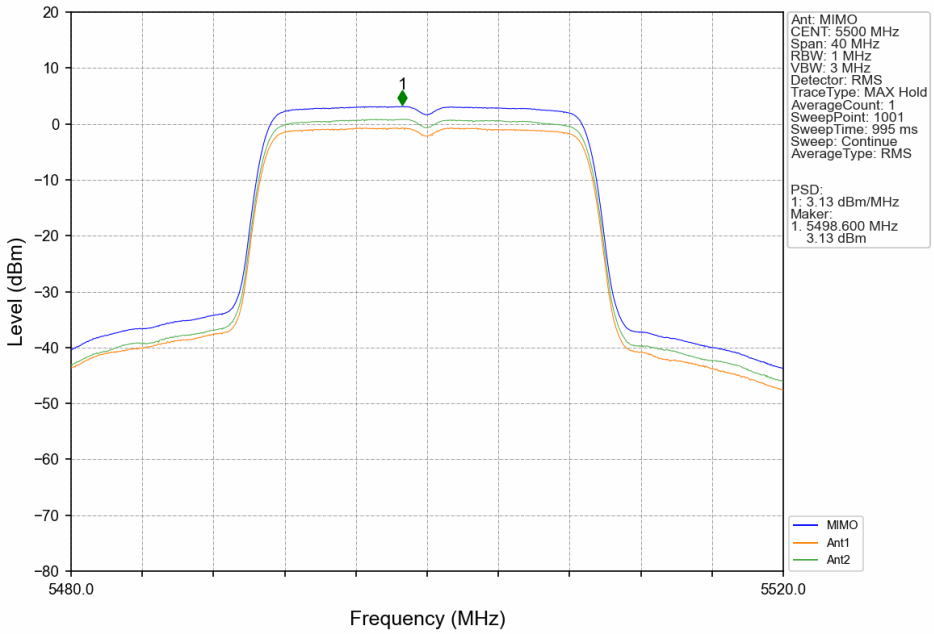
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



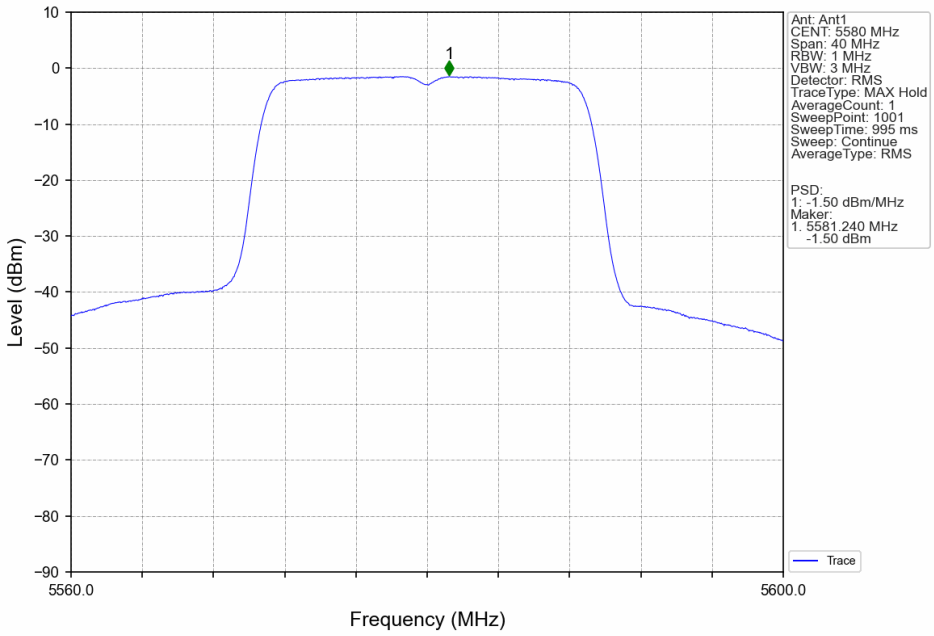
802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV



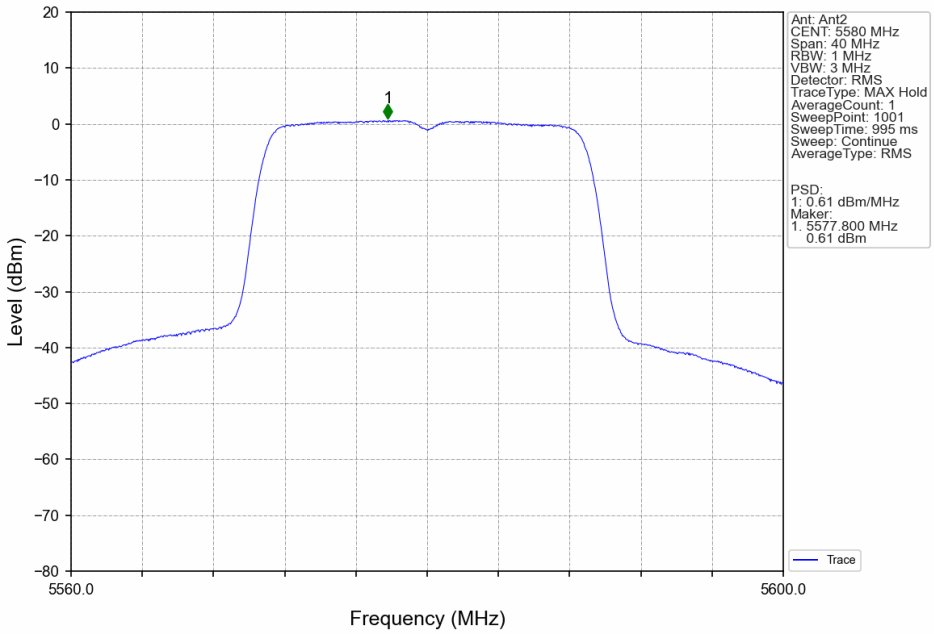
802.11ac(VHT20)_LCH_5500MHz_MIMO_NTNV



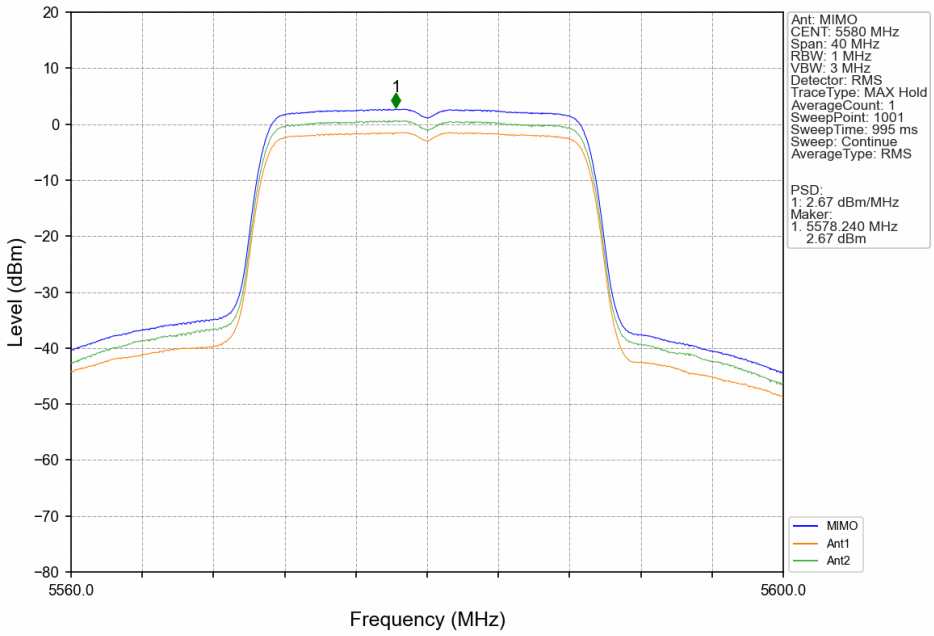
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



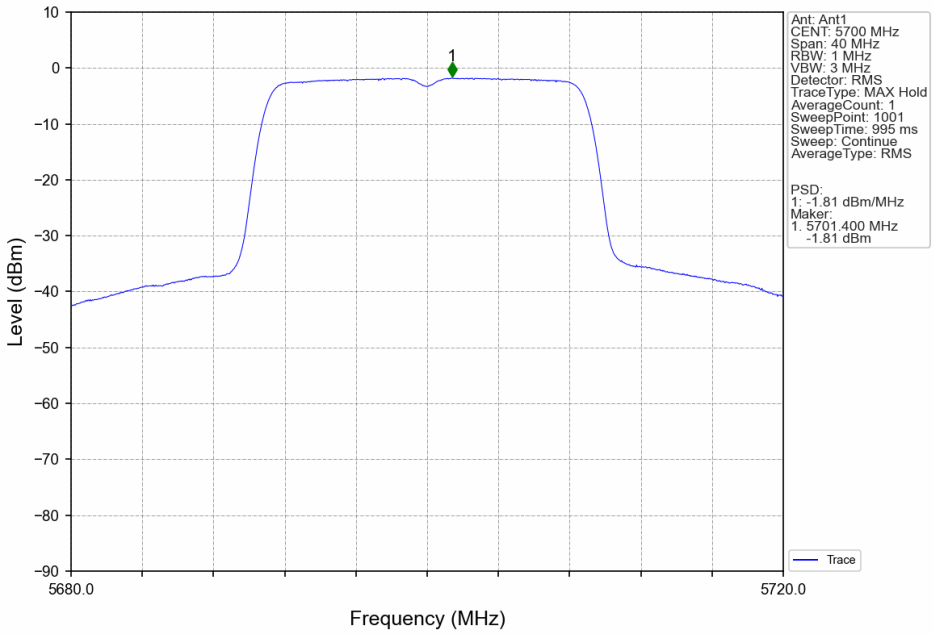
802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV



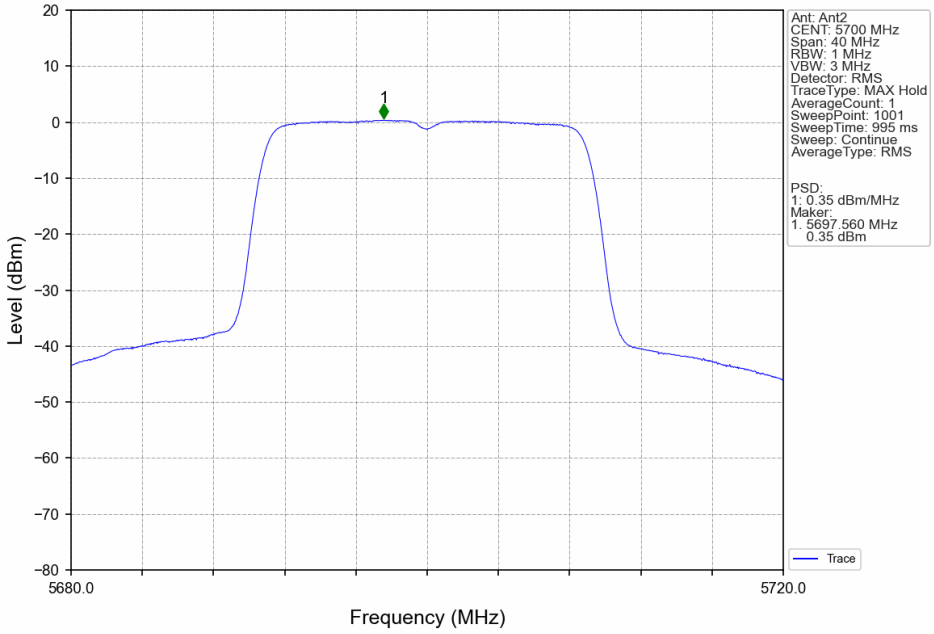
802.11ac(VHT20)_MCH_5580MHz_MIMO_NTNV



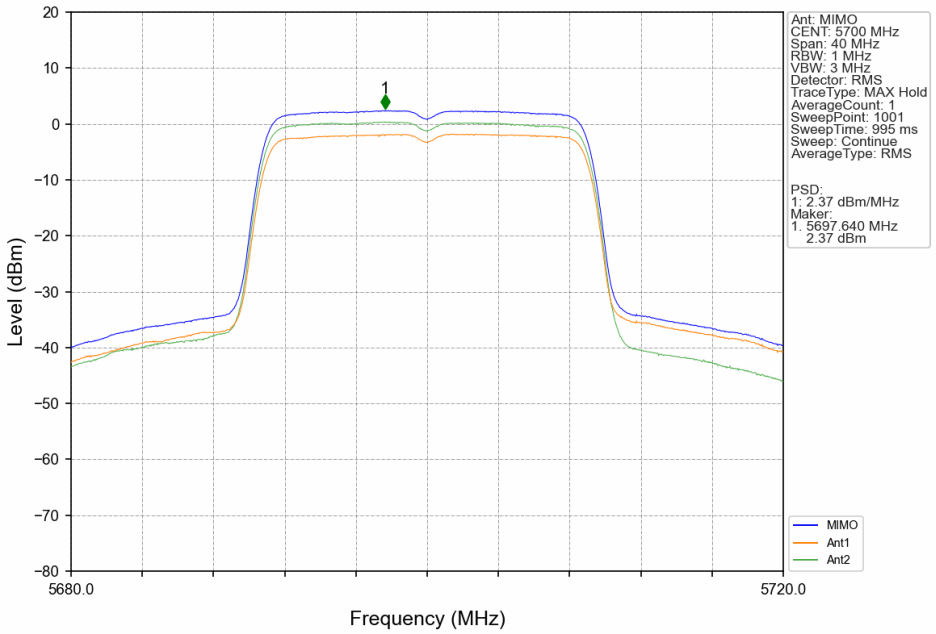
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



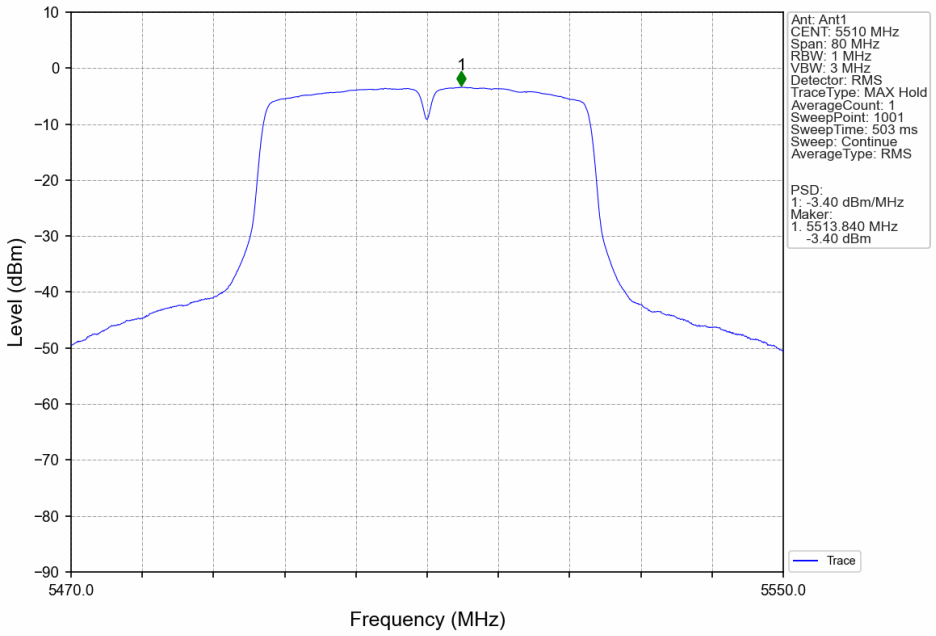
802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV



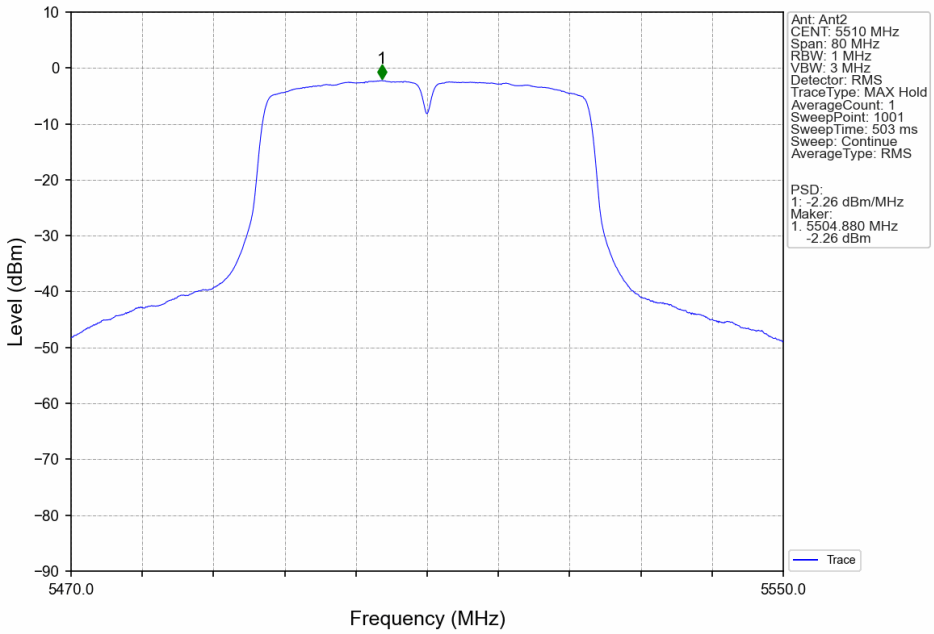
802.11ac(VHT20)_HCH_5700MHz_MIMO_NTNV



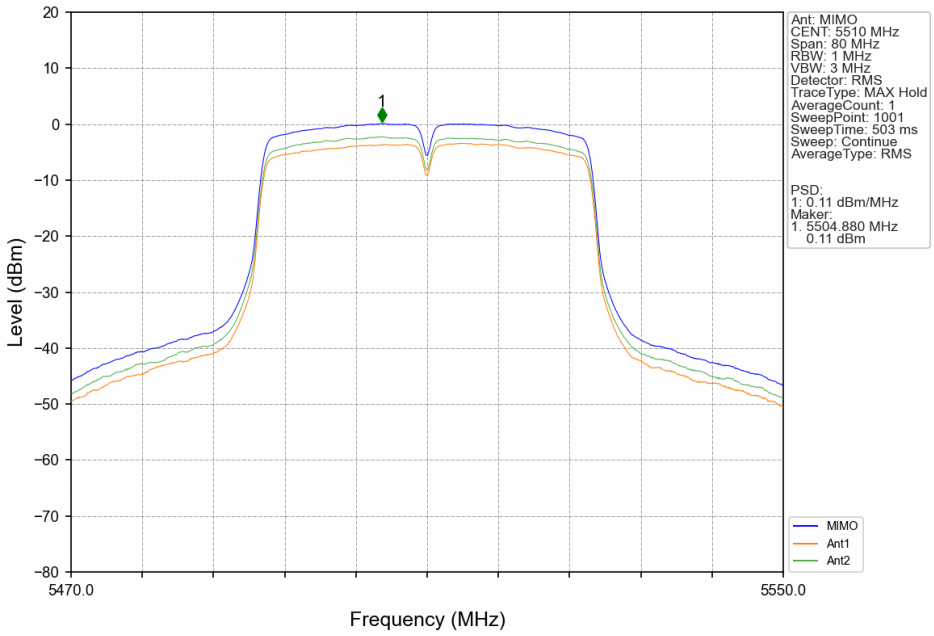
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



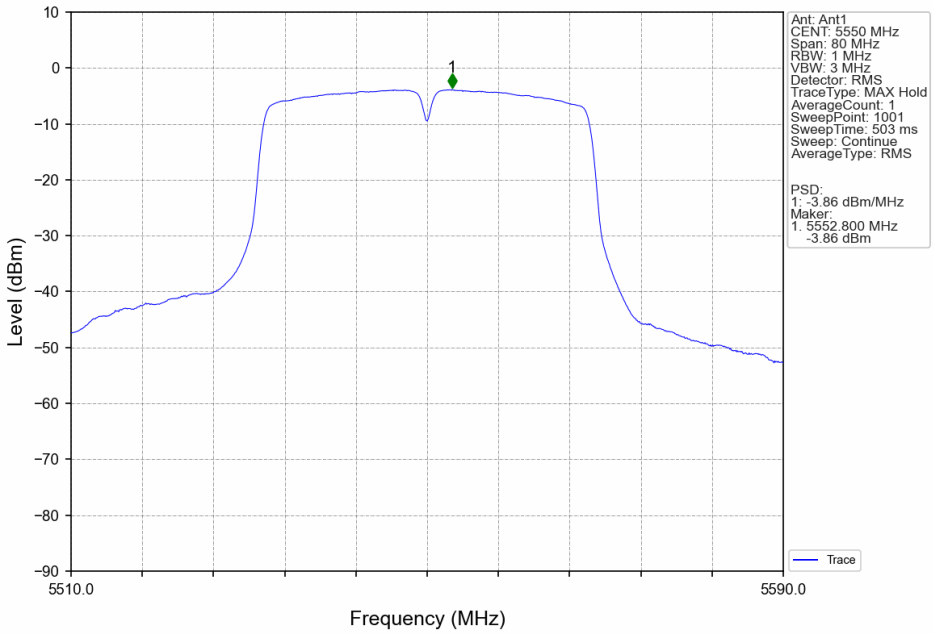
802.11ac(VHT40)_LCH_5510MHz_Ant2_NTNV



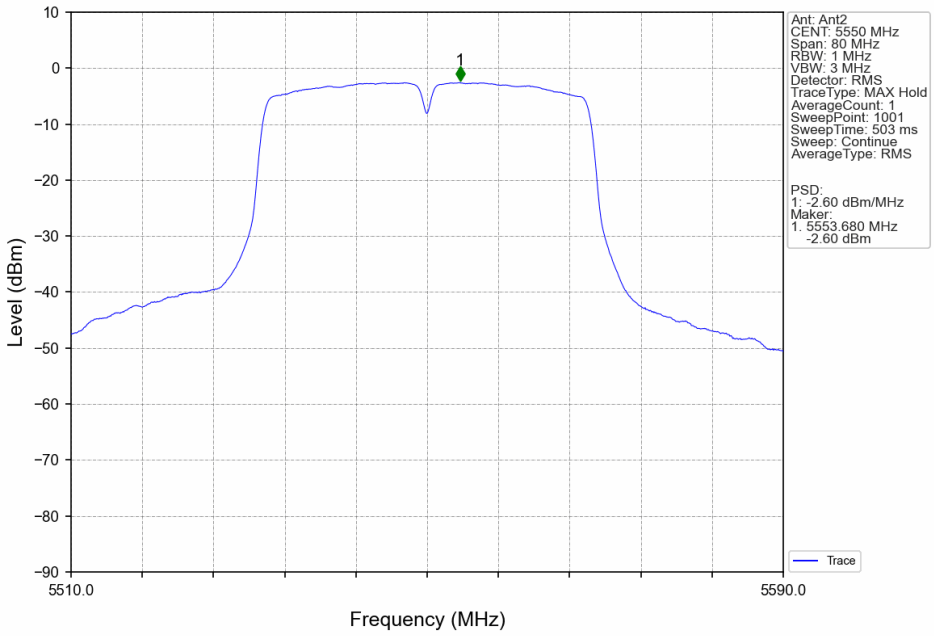
802.11ac(VHT40)_LCH_5510MHz_MIMO_NTNV



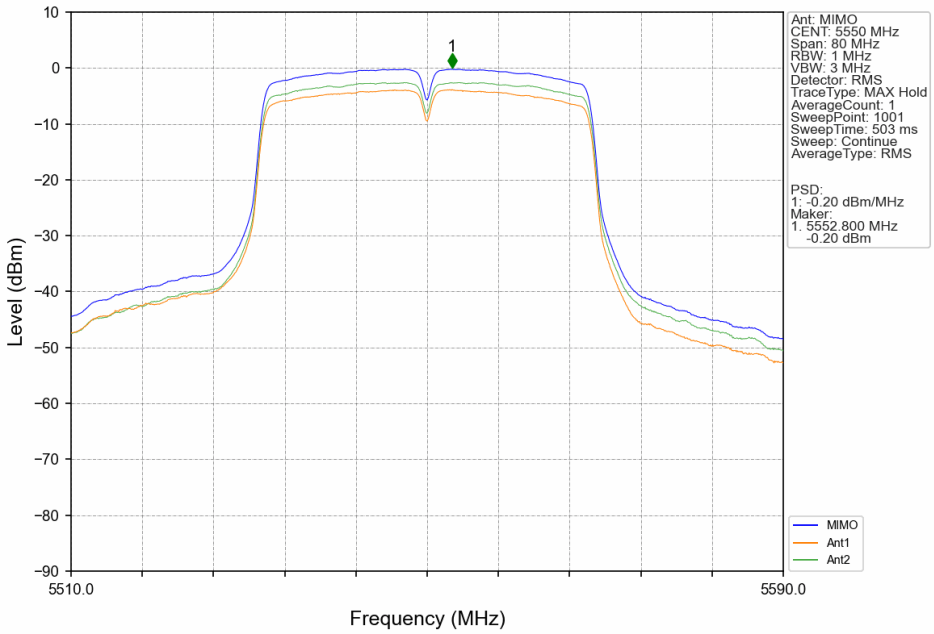
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



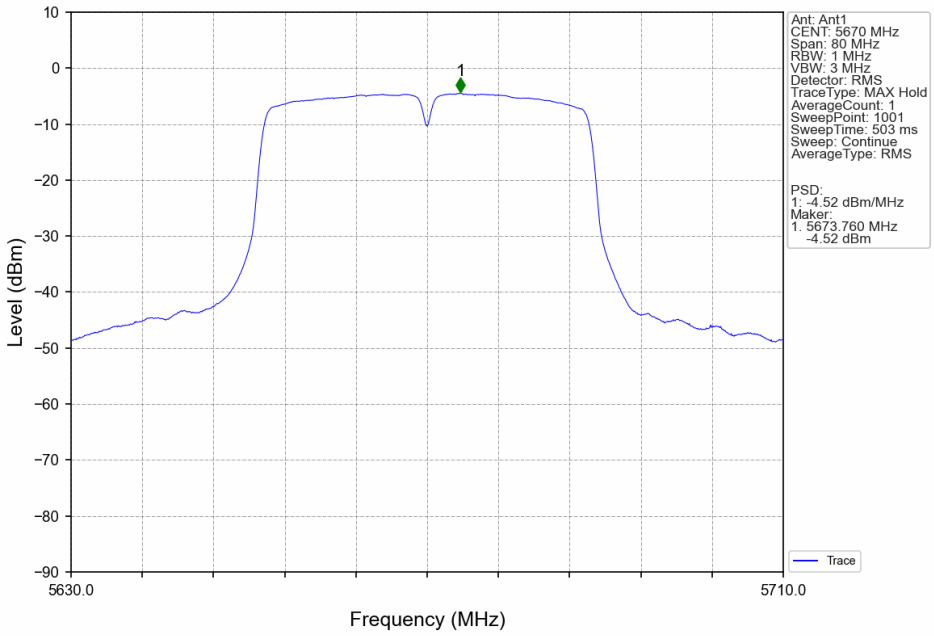
802.11ac(VHT40)_MCH_5550MHz_Ant2_NTNV



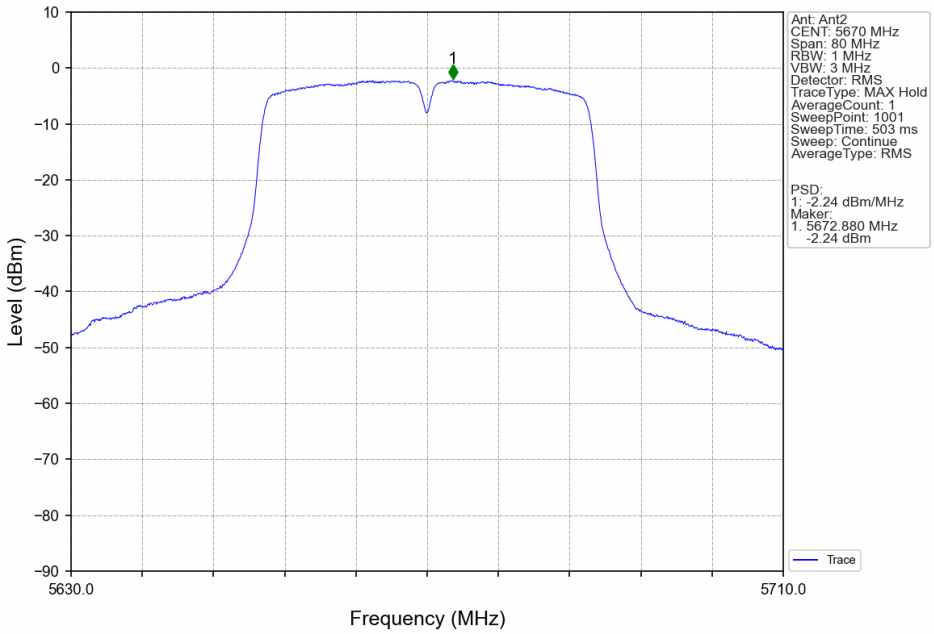
802.11ac(VHT40)_MCH_5550MHz_MIMO_NTNV



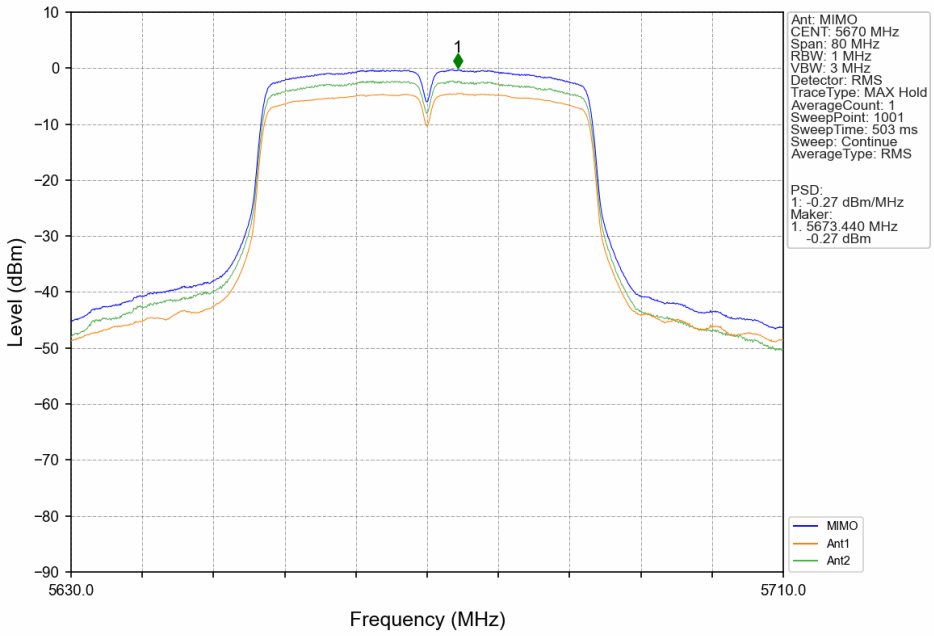
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



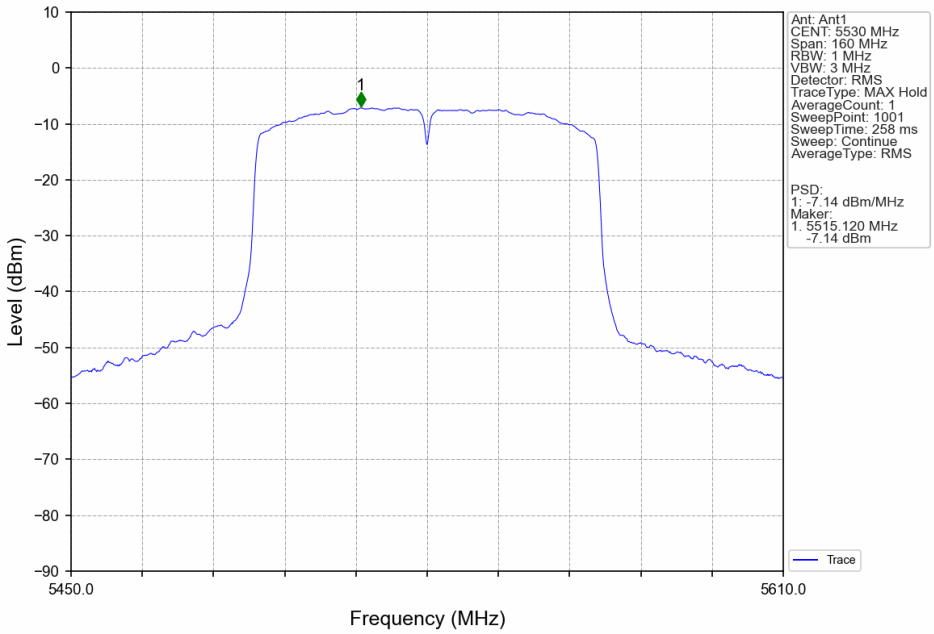
802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



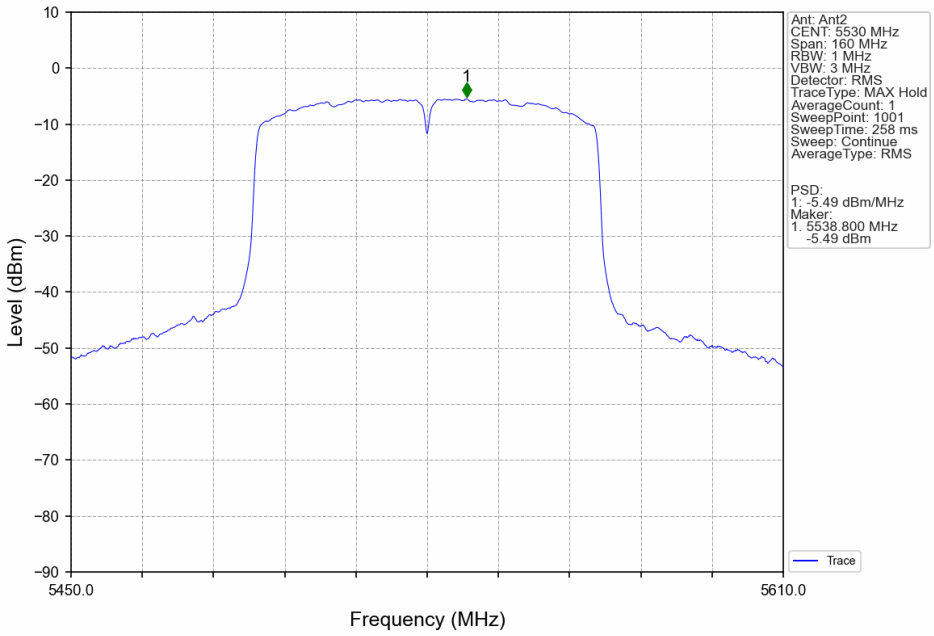
802.11ac(VHT40)_HCH_5670MHz_MIMO_NTNV



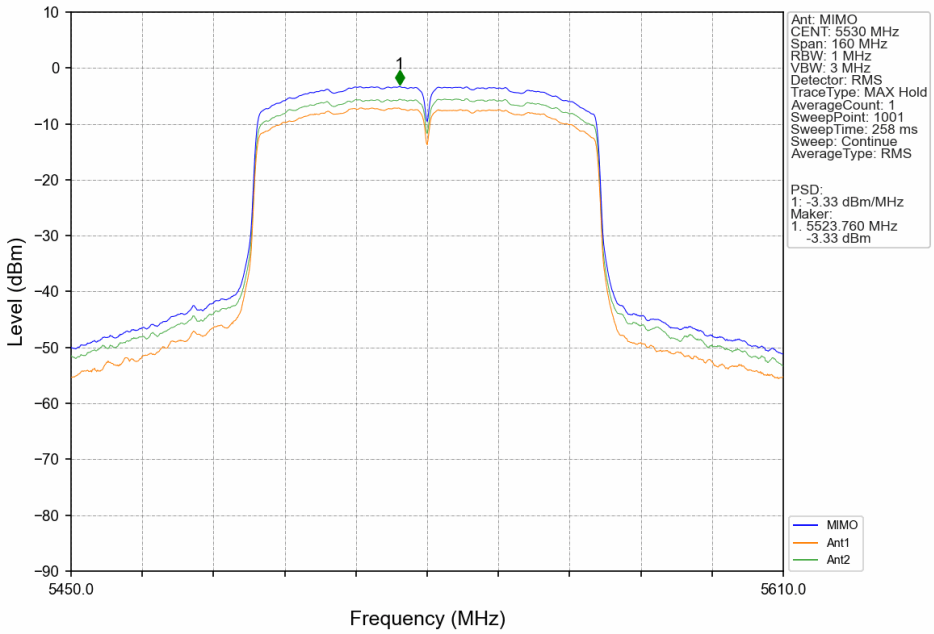
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



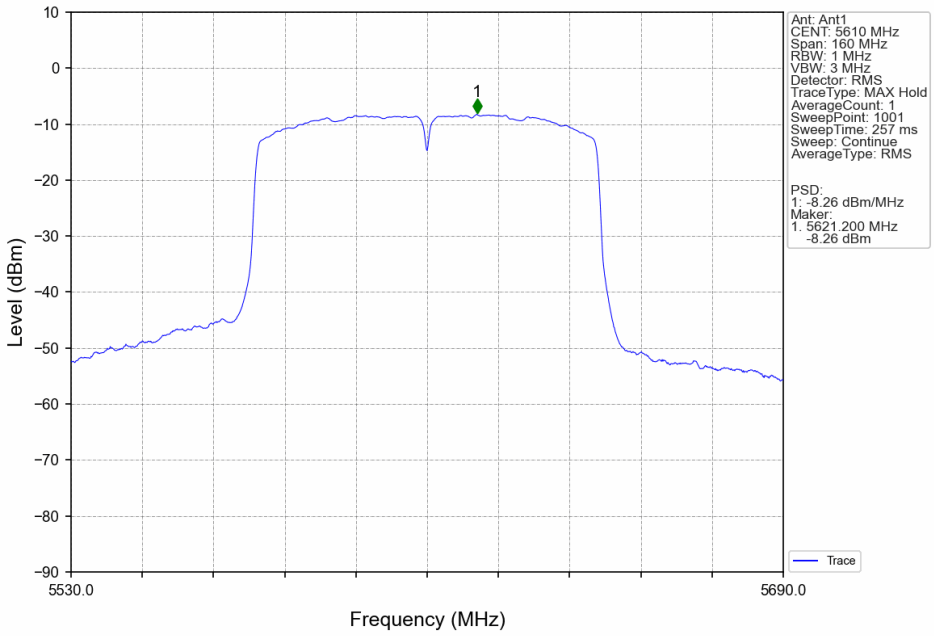
802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV



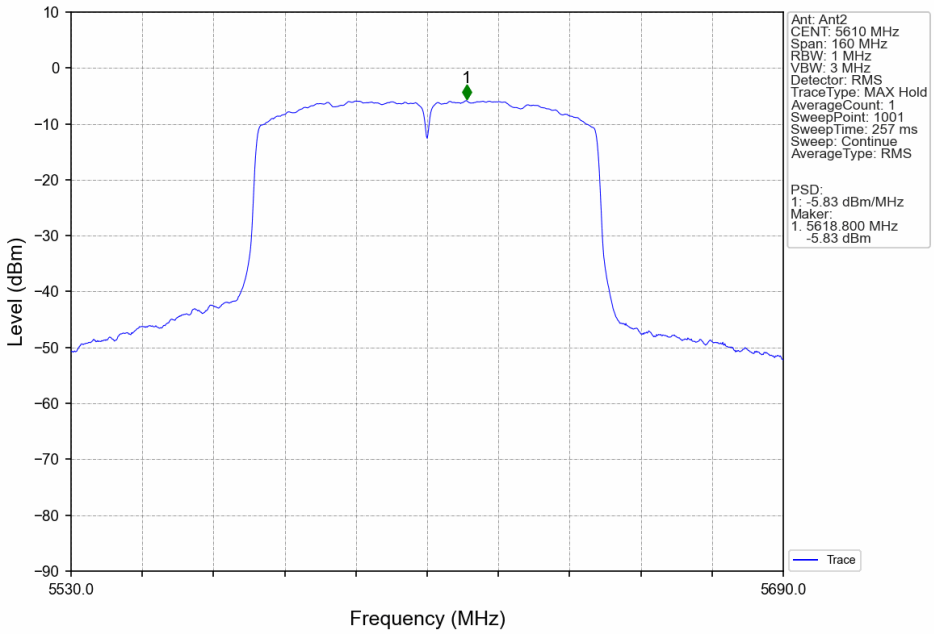
802.11ac(VHT80)_LCH_5530MHz_MIMO_NTNV



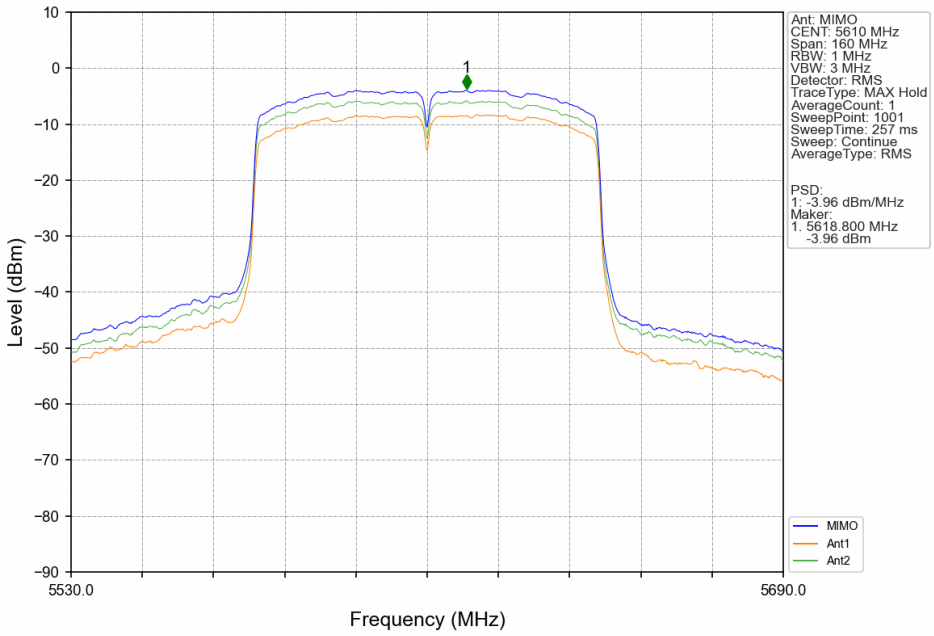
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



802.11ac(VHT80)_HCH_5610MHz_MIMO_NTNV



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	5500	20	102	5500.040	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
				138	5500.020	5470 to 5725	Pass
			-30	120	5499.980	5470 to 5725	Pass
			-20	120	5500.060	5470 to 5725	Pass
			-10	120	5500.020	5470 to 5725	Pass
			0	120	5500.040	5470 to 5725	Pass
			10	120	5500.000	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
		5580	20	102	5580.040	5470 to 5725	Pass
				120	5580.040	5470 to 5725	Pass
				138	5579.980	5470 to 5725	Pass
			-30	120	5580.040	5470 to 5725	Pass
			-20	120	5580.020	5470 to 5725	Pass
			-10	120	5580.000	5470 to 5725	Pass
			0	120	5580.080	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5580.040	5470 to 5725	Pass
			40	120	5580.060	5470 to 5725	Pass
			50	120	5580.060	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5700.080	5470 to 5725	Pass
				138	5700.020	5470 to 5725	Pass
			-30	120	5700.020	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.020	5470 to 5725	Pass
			0	120	5700.040	5470 to 5725	Pass
			10	120	5700.060	5470 to 5725	Pass
			30	120	5700.000	5470 to 5725	Pass
			40	120	5700.000	5470 to 5725	Pass
			50	120	5700.060	5470 to 5725	Pass
802.11n (HT20)	MIMO	5500	20	102	5500.020	5470 to 5725	Pass
				120	5500.000	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.020	5470 to 5725	Pass
			-20	120	5500.000	5470 to 5725	Pass
			-10	120	5499.980	5470 to 5725	Pass
			0	120	5500.020	5470 to 5725	Pass
			10	120	5500.020	5470 to 5725	Pass
			30	120	5500.000	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
		5580	20	102	5580.020	5470 to 5725	Pass
				120	5580.000	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5579.980	5470 to 5725	Pass
			-20	120	5580.000	5470 to 5725	Pass

			-10	120	5580.020	5470 to 5725	Pass
			0	120	5580.020	5470 to 5725	Pass
			10	120	5580.000	5470 to 5725	Pass
			30	120	5580.040	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5580.000	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5700.040	5470 to 5725	Pass
				138	5700.020	5470 to 5725	Pass
			-30	120	5700.020	5470 to 5725	Pass
			-20	120	5700.040	5470 to 5725	Pass
			-10	120	5700.080	5470 to 5725	Pass
			0	120	5700.060	5470 to 5725	Pass
			10	120	5700.060	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5700.060	5470 to 5725	Pass
			50	120	5700.020	5470 to 5725	Pass
802.11n (HT40)	MIMO	5510	20	102	5510.000	5470 to 5725	Pass
				120	5510.040	5470 to 5725	Pass
				138	5510.040	5470 to 5725	Pass
			-30	120	5510.000	5470 to 5725	Pass
			-20	120	5510.120	5470 to 5725	Pass
			-10	120	5510.120	5470 to 5725	Pass
			0	120	5510.040	5470 to 5725	Pass
			10	120	5510.040	5470 to 5725	Pass
			30	120	5510.040	5470 to 5725	Pass
			40	120	5510.000	5470 to 5725	Pass
			50	120	5510.040	5470 to 5725	Pass
		5550	20	102	5550.040	5470 to 5725	Pass
				120	5550.040	5470 to 5725	Pass
				138	5550.040	5470 to 5725	Pass
			-30	120	5550.080	5470 to 5725	Pass
			-20	120	5550.040	5470 to 5725	Pass
			-10	120	5550.080	5470 to 5725	Pass
			0	120	5550.000	5470 to 5725	Pass
			10	120	5550.040	5470 to 5725	Pass
			30	120	5550.080	5470 to 5725	Pass
			40	120	5550.040	5470 to 5725	Pass
			50	120	5550.040	5470 to 5725	Pass
		5670	20	102	5670.040	5470 to 5725	Pass
				120	5670.080	5470 to 5725	Pass
				138	5670.080	5470 to 5725	Pass
			-30	120	5670.080	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.040	5470 to 5725	Pass
			0	120	5670.040	5470 to 5725	Pass
			10	120	5670.080	5470 to 5725	Pass
			30	120	5670.080	5470 to 5725	Pass
			40	120	5670.080	5470 to 5725	Pass
			50	120	5670.080	5470 to 5725	Pass
802.11ac (VHT20)	MIMO	5500	20	102	5500.000	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5500.000	5470 to 5725	Pass
			0	120	5500.020	5470 to 5725	Pass
			10	120	5500.000	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass

			40	120	5499.980	5470 to 5725	Pass
			50	120	5499.980	5470 to 5725	Pass
		5580	20	102	5579.980	5470 to 5725	Pass
				120	5580.040	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5580.060	5470 to 5725	Pass
			-20	120	5580.060	5470 to 5725	Pass
			-10	120	5580.000	5470 to 5725	Pass
			0	120	5580.040	5470 to 5725	Pass
			10	120	5580.020	5470 to 5725	Pass
			30	120	5580.000	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5580.020	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5700.000	5470 to 5725	Pass
				138	5700.040	5470 to 5725	Pass
			-30	120	5700.000	5470 to 5725	Pass
			-20	120	5700.040	5470 to 5725	Pass
			-10	120	5700.020	5470 to 5725	Pass
			0	120	5700.000	5470 to 5725	Pass
			10	120	5699.980	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5699.980	5470 to 5725	Pass
			50	120	5700.000	5470 to 5725	Pass
802.11ac (VHT40)	MIMO	5510	20	102	5510.000	5470 to 5725	Pass
				120	5510.040	5470 to 5725	Pass
				138	5510.040	5470 to 5725	Pass
			-30	120	5510.000	5470 to 5725	Pass
			-20	120	5510.080	5470 to 5725	Pass
			-10	120	5510.040	5470 to 5725	Pass
			0	120	5510.040	5470 to 5725	Pass
			10	120	5510.040	5470 to 5725	Pass
			30	120	5510.000	5470 to 5725	Pass
			40	120	5510.040	5470 to 5725	Pass
			50	120	5510.000	5470 to 5725	Pass
		5550	20	102	5550.040	5470 to 5725	Pass
				120	5550.080	5470 to 5725	Pass
				138	5550.000	5470 to 5725	Pass
			-30	120	5550.040	5470 to 5725	Pass
			-20	120	5550.000	5470 to 5725	Pass
			-10	120	5550.000	5470 to 5725	Pass
			0	120	5550.040	5470 to 5725	Pass
			10	120	5550.040	5470 to 5725	Pass
			30	120	5550.040	5470 to 5725	Pass
			40	120	5550.040	5470 to 5725	Pass
			50	120	5550.040	5470 to 5725	Pass
		5670	20	102	5670.040	5470 to 5725	Pass
				120	5670.080	5470 to 5725	Pass
				138	5670.040	5470 to 5725	Pass
			-30	120	5670.040	5470 to 5725	Pass
			-20	120	5670.000	5470 to 5725	Pass
			-10	120	5670.040	5470 to 5725	Pass
			0	120	5670.080	5470 to 5725	Pass
			10	120	5670.040	5470 to 5725	Pass
			30	120	5670.080	5470 to 5725	Pass
			40	120	5670.040	5470 to 5725	Pass
			50	120	5670.040	5470 to 5725	Pass
802.11ac (VHT80)	MIMO	5530	20	102	5530.075	5470 to 5725	Pass
				120	5530.075	5470 to 5725	Pass

				138	5530.000	5470 to 5725	Pass
			-30	120	5530.075	5470 to 5725	Pass
			-20	120	5530.075	5470 to 5725	Pass
			-10	120	5530.075	5470 to 5725	Pass
			0	120	5530.075	5470 to 5725	Pass
			10	120	5530.075	5470 to 5725	Pass
			30	120	5530.075	5470 to 5725	Pass
			40	120	5530.075	5470 to 5725	Pass
			50	120	5530.075	5470 to 5725	Pass
		5610	20	102	5610.075	5470 to 5725	Pass
				120	5610.075	5470 to 5725	Pass
				138	5610.075	5470 to 5725	Pass
			-30	120	5610.075	5470 to 5725	Pass
			-20	120	5610.150	5470 to 5725	Pass
			-10	120	5610.150	5470 to 5725	Pass
			0	120	5610.150	5470 to 5725	Pass
			10	120	5610.075	5470 to 5725	Pass
			30	120	5610.075	5470 to 5725	Pass
			40	120	5610.150	5470 to 5725	Pass
			50	120	5610.150	5470 to 5725	Pass

5.1.2 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5500	20	102	5500.020	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5500.040	5470 to 5725	Pass
			-10	120	5499.980	5470 to 5725	Pass
			0	120	5500.000	5470 to 5725	Pass
			10	120	5499.980	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.000	5470 to 5725	Pass
			50	120	5500.060	5470 to 5725	Pass
		5580	20	102	5580.040	5470 to 5725	Pass
				120	5579.980	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5579.940	5470 to 5725	Pass
			-20	120	5580.020	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5580.000	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5580.000	5470 to 5725	Pass
			40	120	5580.040	5470 to 5725	Pass
			50	120	5580.000	5470 to 5725	Pass
		5700	20	102	5699.960	5470 to 5725	Pass
				120	5700.020	5470 to 5725	Pass
				138	5700.000	5470 to 5725	Pass
			-30	120	5700.020	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.000	5470 to 5725	Pass
			0	120	5700.000	5470 to 5725	Pass
			10	120	5699.980	5470 to 5725	Pass
			30	120	5700.020	5470 to 5725	Pass
			40	120	5700.000	5470 to 5725	Pass
			50	120	5700.020	5470 to 5725	Pass
802.11n (HT20)	MIMO	5500	20	102	5500.000	5470 to 5725	Pass
				120	5500.020	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5500.000	5470 to 5725	Pass
			-10	120	5500.000	5470 to 5725	Pass
			0	120	5500.000	5470 to 5725	Pass
			10	120	5500.000	5470 to 5725	Pass
			30	120	5500.040	5470 to 5725	Pass
			40	120	5500.020	5470 to 5725	Pass
			50	120	5500.020	5470 to 5725	Pass
		5580	20	102	5580.020	5470 to 5725	Pass
				120	5580.020	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass
			-30	120	5580.000	5470 to 5725	Pass
			-20	120	5580.020	5470 to 5725	Pass
			-10	120	5580.040	5470 to 5725	Pass
			0	120	5580.020	5470 to 5725	Pass
			10	120	5580.020	5470 to 5725	Pass
			30	120	5580.020	5470 to 5725	Pass
			40	120	5580.020	5470 to 5725	Pass

			50	120	5580.040	5470 to 5725	Pass
		5700	20	102	5700.040	5470 to 5725	Pass
				120	5700.040	5470 to 5725	Pass
				138	5700.040	5470 to 5725	Pass
			-30	120	5700.040	5470 to 5725	Pass
			-20	120	5700.060	5470 to 5725	Pass
			-10	120	5700.040	5470 to 5725	Pass
			0	120	5700.060	5470 to 5725	Pass
			10	120	5700.020	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5700.020	5470 to 5725	Pass
			50	120	5700.020	5470 to 5725	Pass
802.11n (HT40)	MIMO	5510	20	102	5510.120	5470 to 5725	Pass
				120	5510.040	5470 to 5725	Pass
				138	5510.120	5470 to 5725	Pass
			-30	120	5510.120	5470 to 5725	Pass
			-20	120	5510.080	5470 to 5725	Pass
			-10	120	5510.120	5470 to 5725	Pass
			0	120	5510.040	5470 to 5725	Pass
			10	120	5510.040	5470 to 5725	Pass
			30	120	5510.080	5470 to 5725	Pass
			40	120	5510.120	5470 to 5725	Pass
			50	120	5510.080	5470 to 5725	Pass
		5550	20	102	5550.080	5470 to 5725	Pass
				120	5550.040	5470 to 5725	Pass
				138	5550.080	5470 to 5725	Pass
			-30	120	5550.040	5470 to 5725	Pass
			-20	120	5550.120	5470 to 5725	Pass
			-10	120	5550.080	5470 to 5725	Pass
			0	120	5550.080	5470 to 5725	Pass
			10	120	5550.040	5470 to 5725	Pass
			30	120	5550.080	5470 to 5725	Pass
			40	120	5550.080	5470 to 5725	Pass
			50	120	5550.080	5470 to 5725	Pass
		5670	20	102	5669.000	5470 to 5725	Pass
				120	5670.040	5470 to 5725	Pass
				138	5670.080	5470 to 5725	Pass
			-30	120	5670.040	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.040	5470 to 5725	Pass
			0	120	5670.080	5470 to 5725	Pass
			10	120	5670.040	5470 to 5725	Pass
			30	120	5670.040	5470 to 5725	Pass
			40	120	5670.040	5470 to 5725	Pass
			50	120	5670.040	5470 to 5725	Pass
802.11ac (VHT20)	MIMO	5500	20	102	5500.020	5470 to 5725	Pass
				120	5500.040	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.020	5470 to 5725	Pass
			-20	120	5500.020	5470 to 5725	Pass
			-10	120	5500.020	5470 to 5725	Pass
			0	120	5500.040	5470 to 5725	Pass
			10	120	5500.040	5470 to 5725	Pass
			30	120	5500.000	5470 to 5725	Pass
			40	120	5500.040	5470 to 5725	Pass
			50	120	5500.040	5470 to 5725	Pass
		5580	20	102	5580.020	5470 to 5725	Pass
				120	5580.020	5470 to 5725	Pass
				138	5580.020	5470 to 5725	Pass

			-30	120	5580.040	5470 to 5725	Pass
			-20	120	5580.020	5470 to 5725	Pass
			-10	120	5580.020	5470 to 5725	Pass
			0	120	5580.000	5470 to 5725	Pass
			10	120	5580.000	5470 to 5725	Pass
			30	120	5580.040	5470 to 5725	Pass
			40	120	5580.000	5470 to 5725	Pass
			50	120	5580.000	5470 to 5725	Pass
		5700	20	102	5700.020	5470 to 5725	Pass
				120	5700.020	5470 to 5725	Pass
				138	5700.040	5470 to 5725	Pass
			-30	120	5700.040	5470 to 5725	Pass
			-20	120	5700.020	5470 to 5725	Pass
			-10	120	5700.020	5470 to 5725	Pass
			0	120	5700.020	5470 to 5725	Pass
			10	120	5700.040	5470 to 5725	Pass
			30	120	5700.040	5470 to 5725	Pass
			40	120	5700.040	5470 to 5725	Pass
			50	120	5700.020	5470 to 5725	Pass
802.11ac (VHT40)	MIMO	5510	20	102	5510.080	5470 to 5725	Pass
				120	5510.080	5470 to 5725	Pass
				138	5510.080	5470 to 5725	Pass
			-30	120	5510.080	5470 to 5725	Pass
			-20	120	5510.120	5470 to 5725	Pass
			-10	120	5510.120	5470 to 5725	Pass
			0	120	5510.080	5470 to 5725	Pass
			10	120	5510.080	5470 to 5725	Pass
			30	120	5510.040	5470 to 5725	Pass
			40	120	5510.080	5470 to 5725	Pass
			50	120	5510.080	5470 to 5725	Pass
		5550	20	102	5550.080	5470 to 5725	Pass
				120	5550.040	5470 to 5725	Pass
				138	5550.080	5470 to 5725	Pass
			-30	120	5550.080	5470 to 5725	Pass
			-20	120	5550.080	5470 to 5725	Pass
			-10	120	5550.080	5470 to 5725	Pass
			0	120	5550.120	5470 to 5725	Pass
			10	120	5550.080	5470 to 5725	Pass
			30	120	5550.120	5470 to 5725	Pass
			40	120	5550.080	5470 to 5725	Pass
			50	120	5550.080	5470 to 5725	Pass
		5670	20	102	5670.080	5470 to 5725	Pass
				120	5670.080	5470 to 5725	Pass
				138	5670.080	5470 to 5725	Pass
			-30	120	5670.080	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.040	5470 to 5725	Pass
			0	120	5670.080	5470 to 5725	Pass
			10	120	5670.040	5470 to 5725	Pass
			30	120	5670.080	5470 to 5725	Pass
			40	120	5670.080	5470 to 5725	Pass
			50	120	5670.040	5470 to 5725	Pass
802.11ac (VHT80)	MIMO	5530	20	102	5548.537	5470 to 5725	Pass
				120	5530.075	5470 to 5725	Pass
				138	5530.075	5470 to 5725	Pass
			-30	120	5530.150	5470 to 5725	Pass
			-20	120	5530.000	5470 to 5725	Pass
			-10	120	5530.000	5470 to 5725	Pass
			0	120	5530.000	5470 to 5725	Pass

			10	120	5530.075	5470 to 5725	Pass
			30	120	5530.075	5470 to 5725	Pass
			40	120	5530.075	5470 to 5725	Pass
			50	120	5530.075	5470 to 5725	Pass
		5610	20	102	5610.075	5470 to 5725	Pass
				120	5610.075	5470 to 5725	Pass
				138	5610.075	5470 to 5725	Pass
			-30	120	5610.000	5470 to 5725	Pass
			-20	120	5610.075	5470 to 5725	Pass
			-10	120	5610.075	5470 to 5725	Pass
			0	120	5610.075	5470 to 5725	Pass
			10	120	5610.075	5470 to 5725	Pass
			30	120	5610.075	5470 to 5725	Pass
			40	120	5610.075	5470 to 5725	Pass
			50	120	5610.075	5470 to 5725	Pass

6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5500	5700	0.0309	14.90
5510	5670	0.0344	15.36
5530	5610	0.0259	14.14