1. Duty Cycle

1.1 Test Result

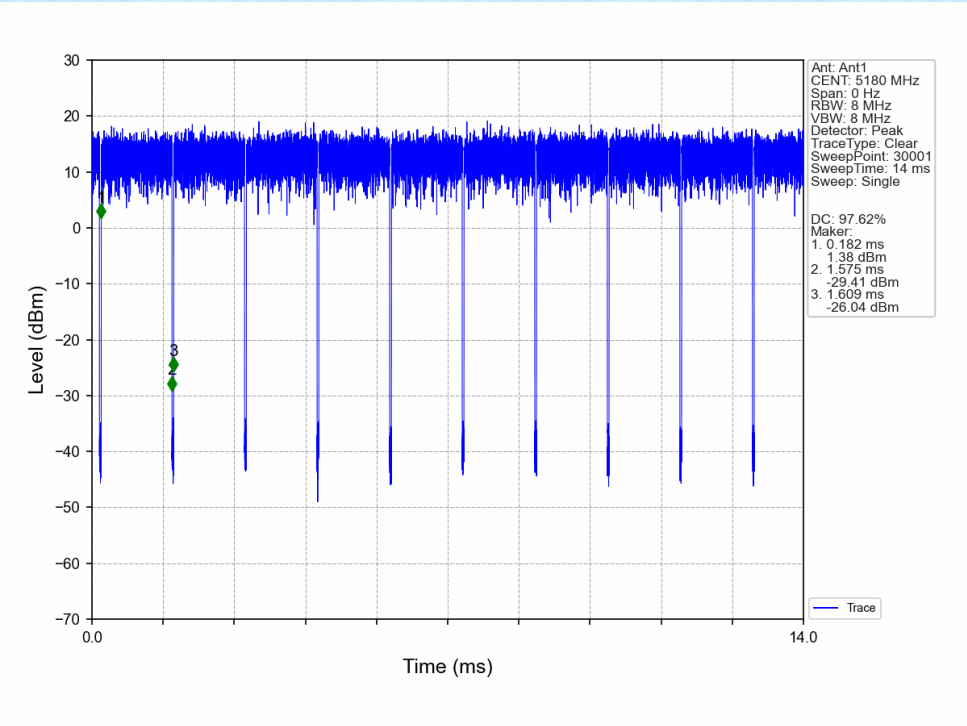
1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.393	1.427	97.62	0.10	0.03
		5200	1.393	1.427	97.62	0.10	0.03
		5240	1.393	1.427	97.62	0.10	0.03
		5745	1.392	1.427	97.55	0.11	0.03
		5785	1.393	1.428	97.55	0.11	0.03
		5825	1.393	1.428	97.55	0.11	0.06
802.11n (HT20)	SISO	5180	1.301	1.335	97.45	0.11	0.03
		5200	1.301	1.336	97.38	0.12	0.03
		5240	1.301	1.336	97.38	0.12	0.03
		5745	1.300	1.335	97.38	0.12	0.03
		5785	1.300	1.336	97.31	0.12	0.04
		5825	1.301	1.336	97.38	0.12	0.03
802.11n (HT40)	SISO	5190	0.649	0.683	95.02	0.22	0.04
		5230	0.649	0.683	95.02	0.22	0.03
		5755	0.649	0.683	95.02	0.22	0.07
		5795	0.649	0.683	95.02	0.22	0.03

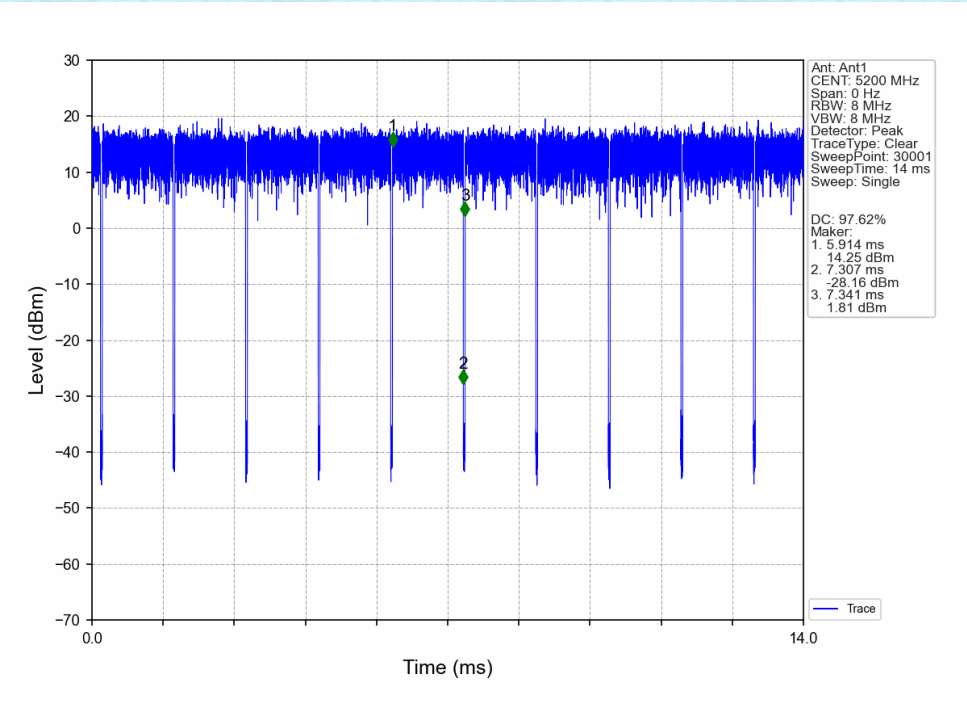
1.2 Test Graph

1.2.1 Ant1

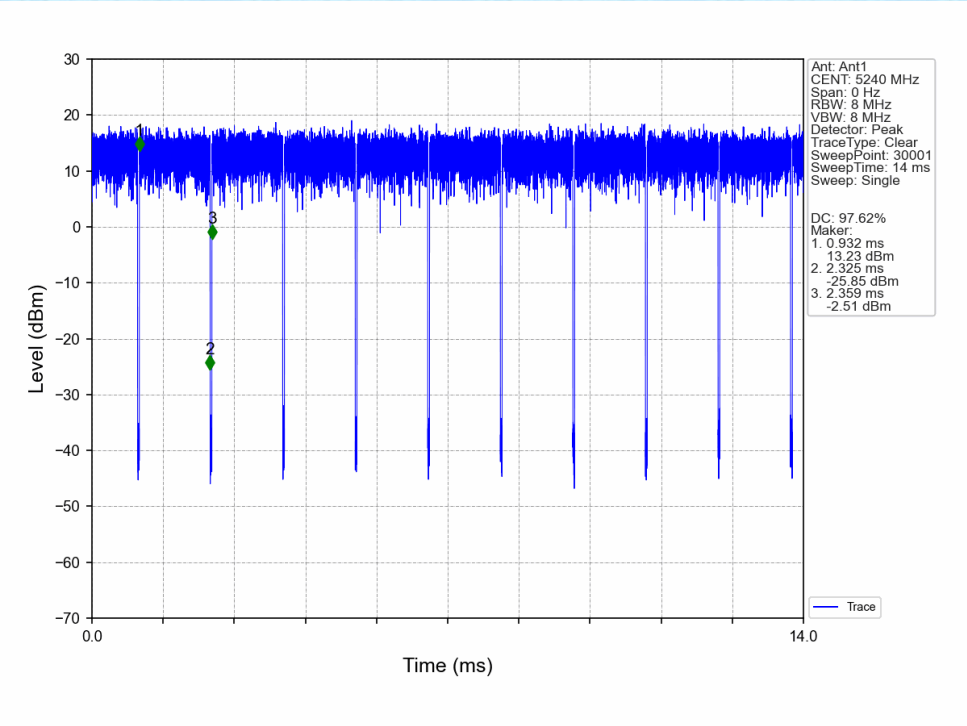
802.11a_LCH_5180MHz_Ant1_NTNV



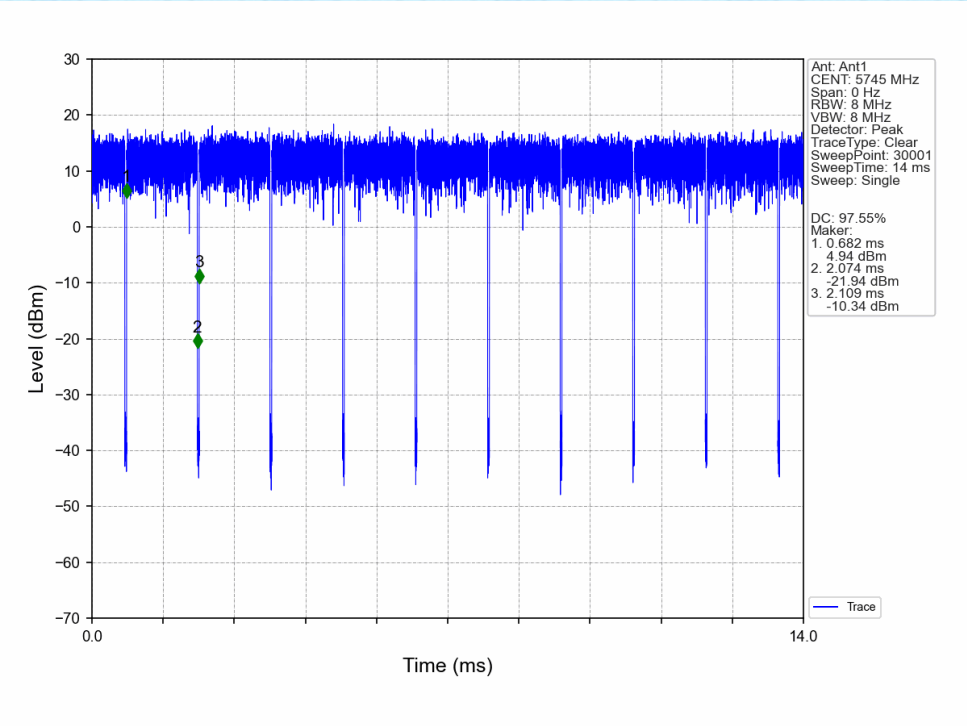
802.11a_MCH_5200MHz_Ant1_NTNV



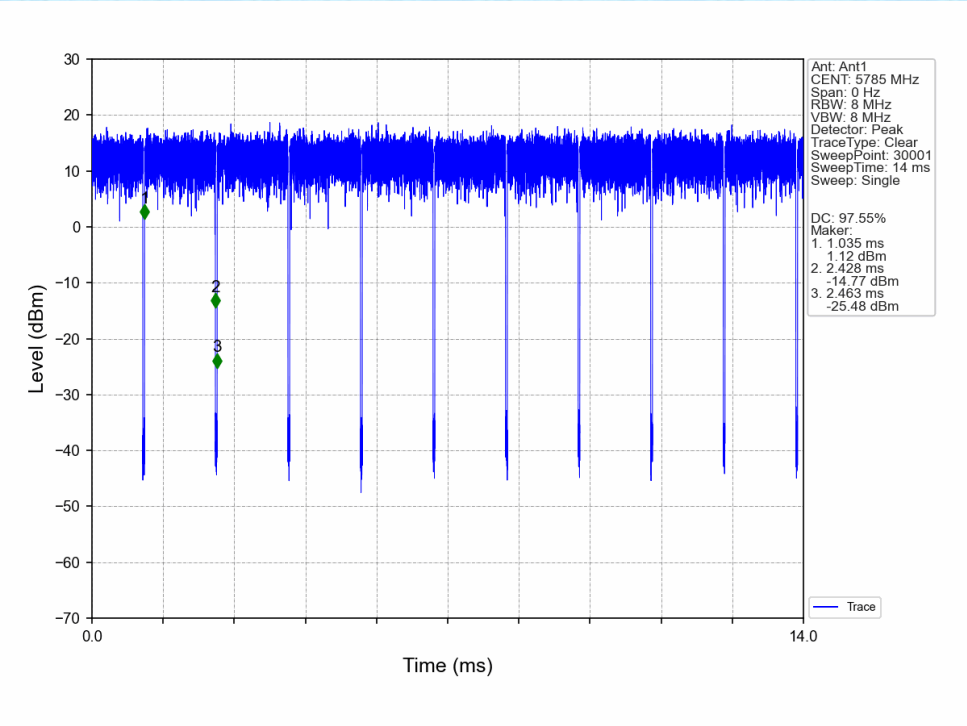
802.11a_HCH_5240MHz_Ant1_NTNV



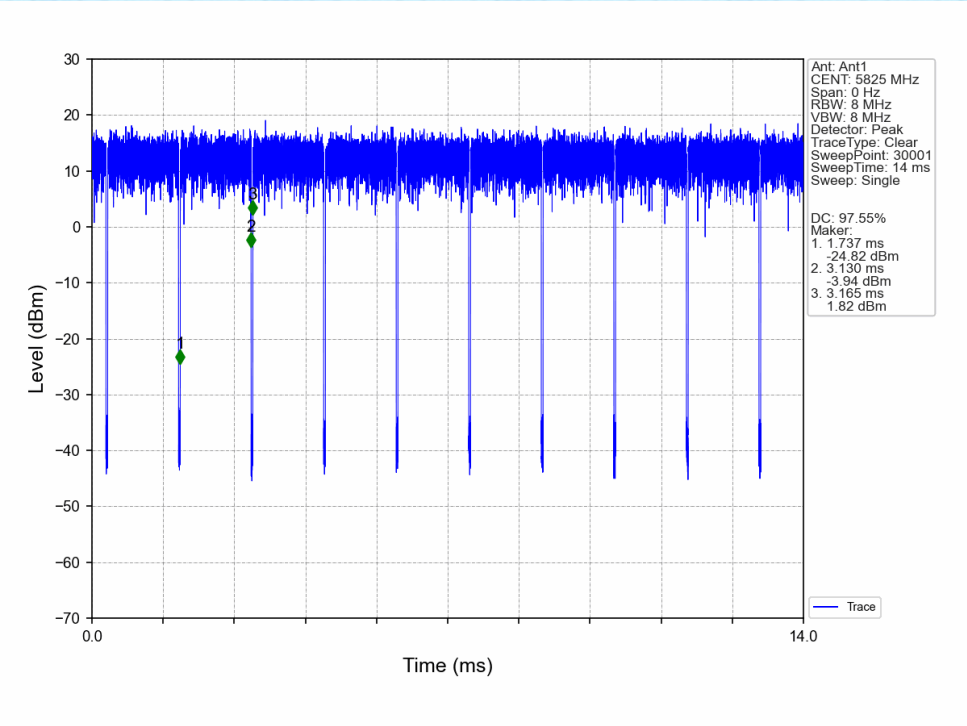
802.11a_LCH_5745MHz_Ant1_NTNV



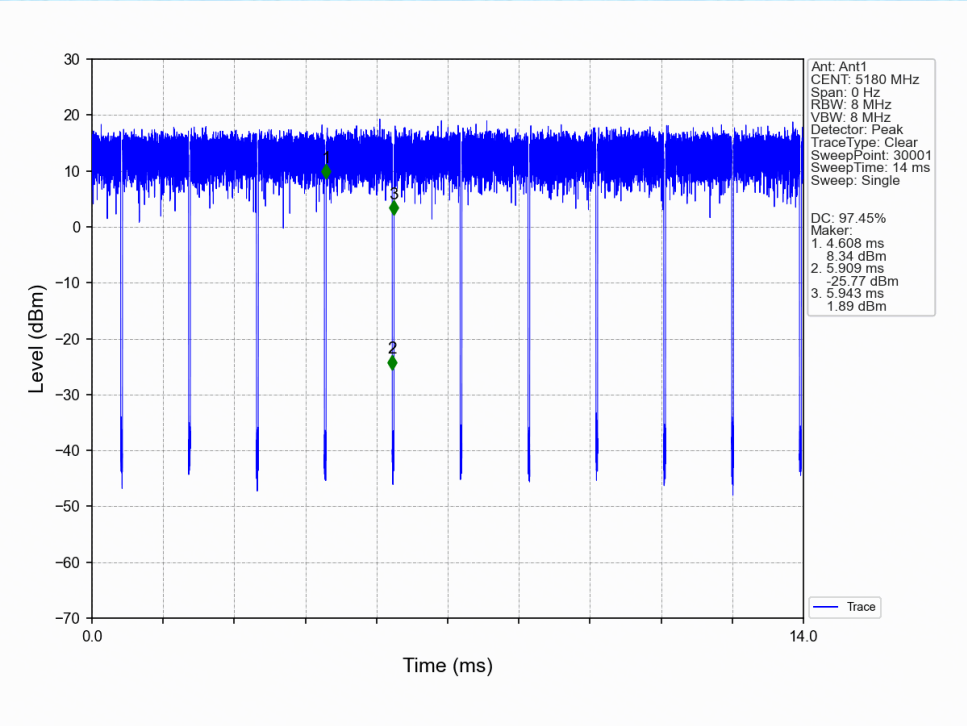
802.11a_MCH_5785MHz_Ant1_NTNV



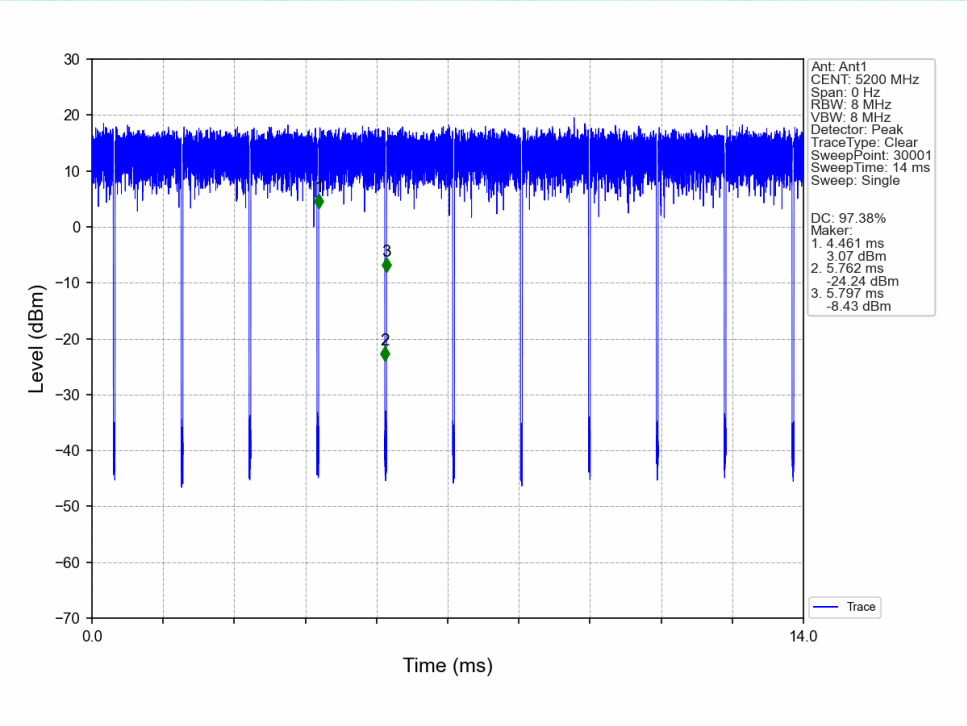
802.11a_HCH_5825MHz_Ant1_NTNV



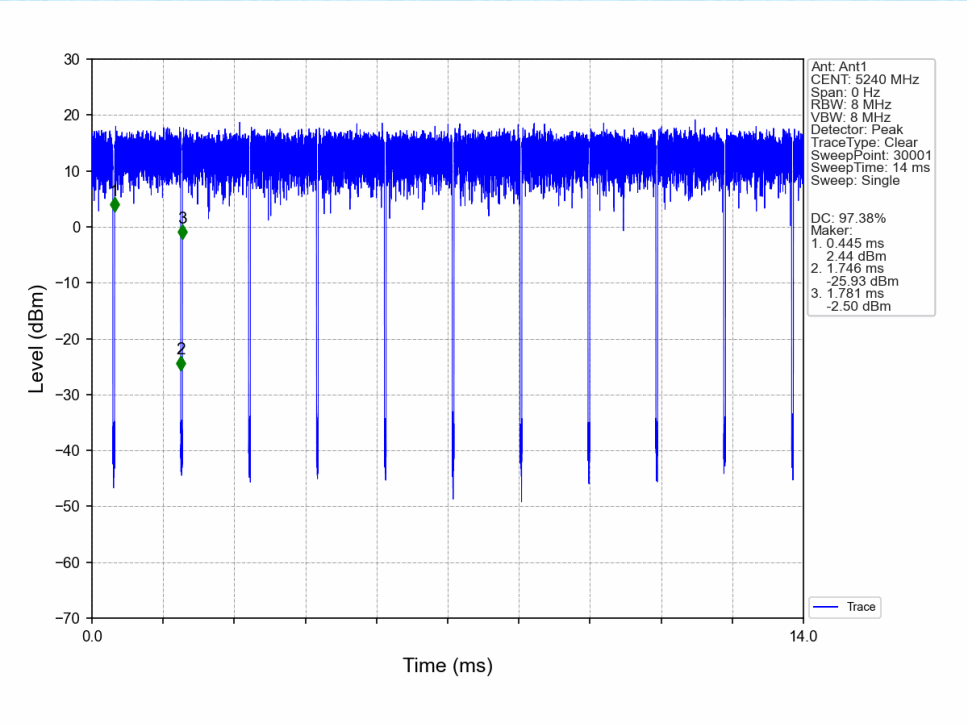
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



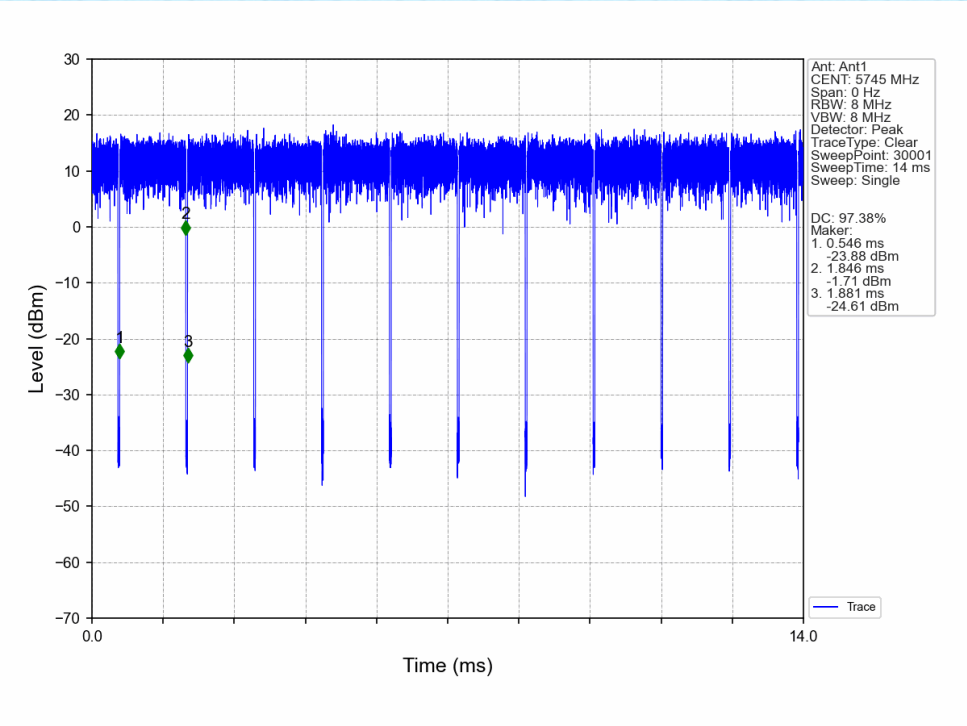
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



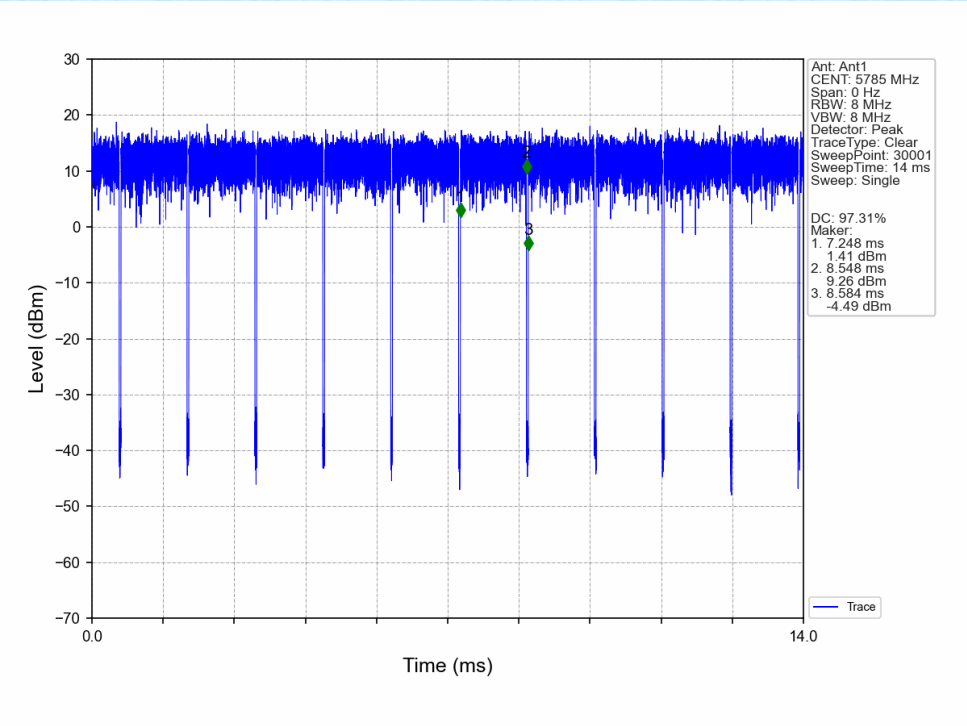
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



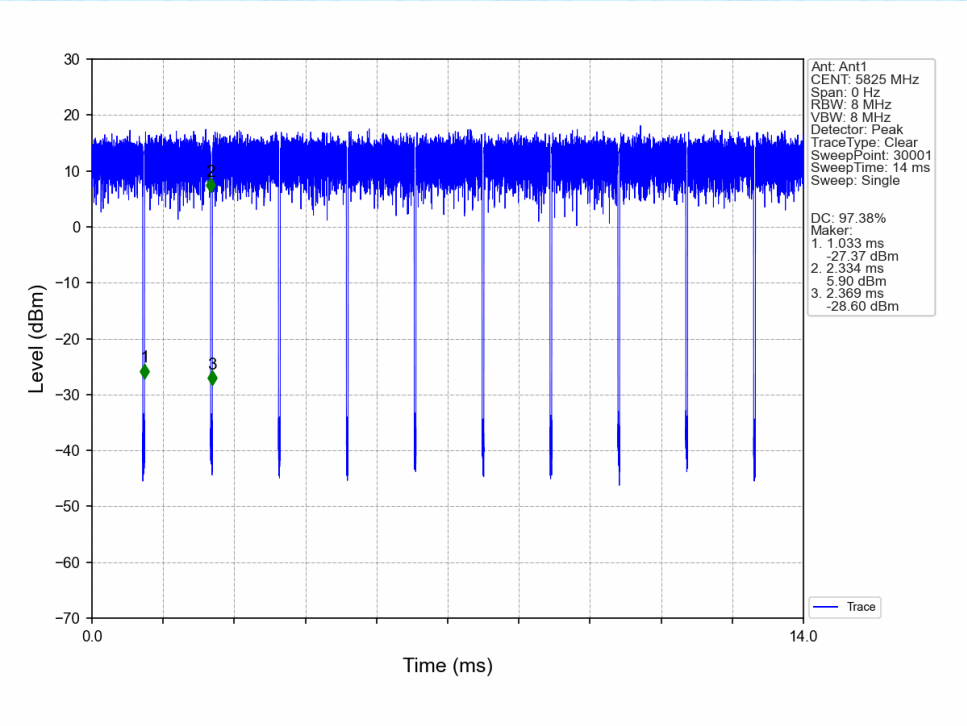
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



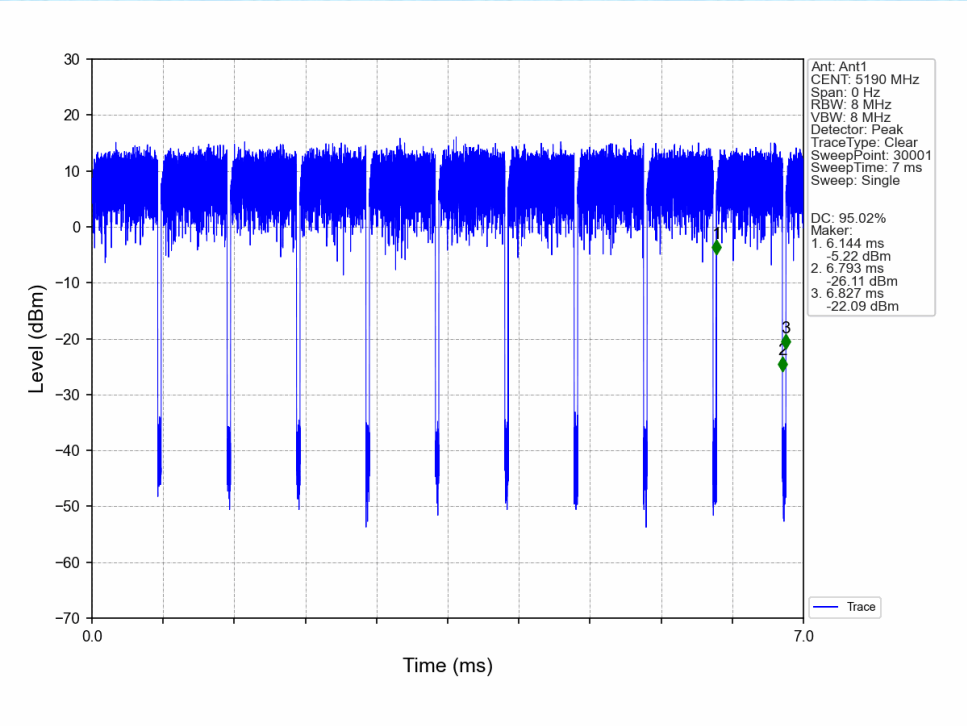
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



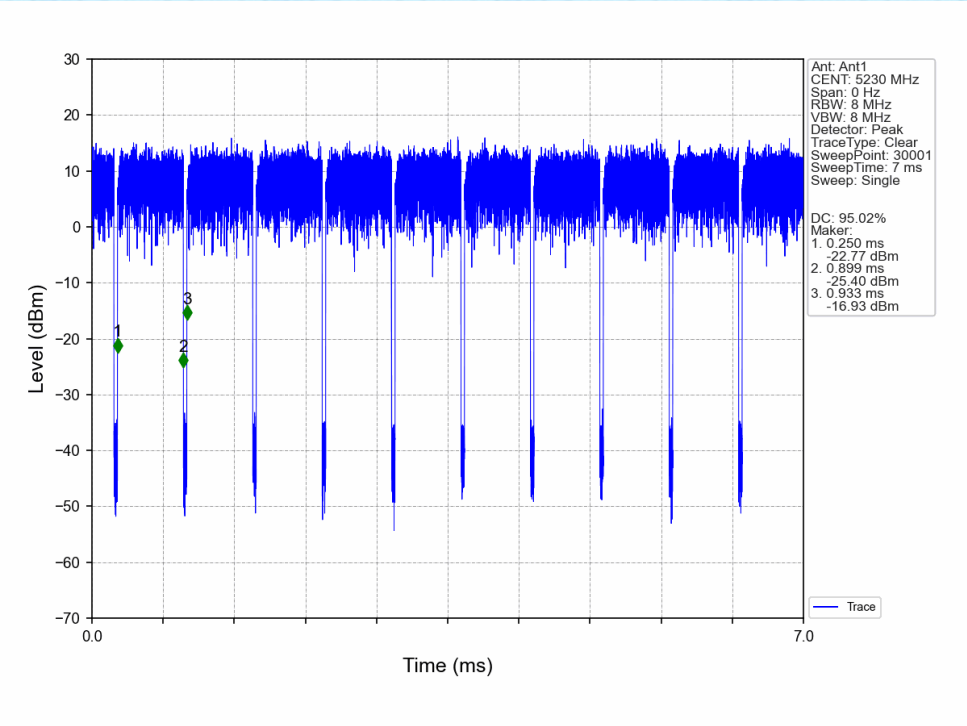
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



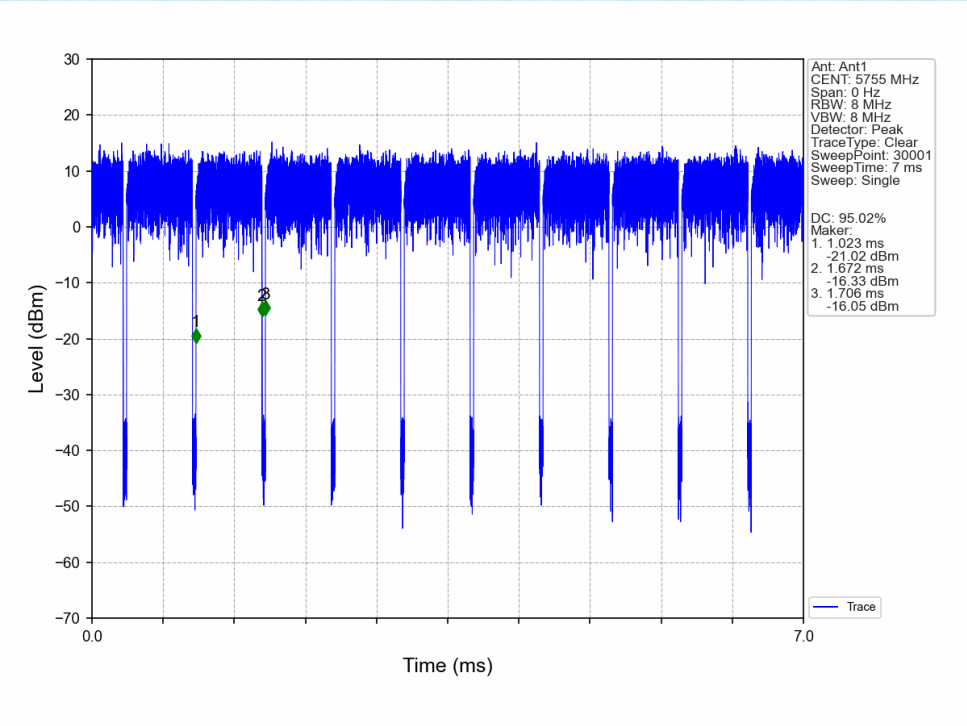
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



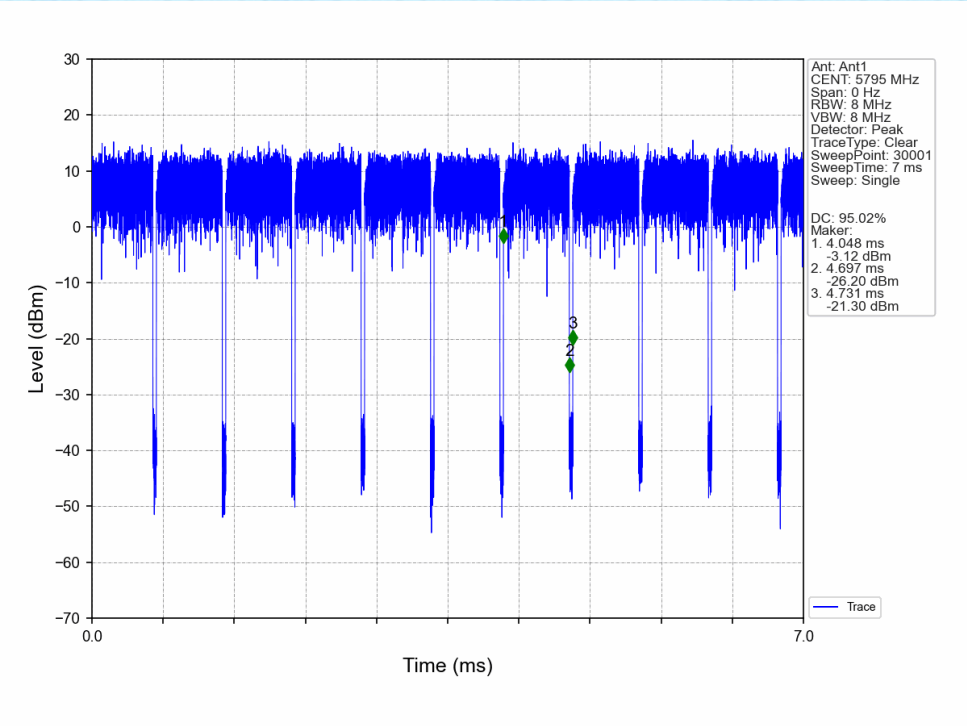
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_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	5180	1	17.614	/	Pass
		5200	1	17.703	/	Pass
		5240	1	17.681	/	Pass
		5745	1	17.274	/	Pass
		5785	1	17.304	/	Pass
		5825	1	17.347	/	Pass
802.11n (HT20)	SISO	5180	1	18.504	/	Pass
		5200	1	18.395	/	Pass
		5240	1	18.449	/	Pass
		5745	1	18.079	/	Pass
		5785	1	18.086	/	Pass
		5825	1	18.137	/	Pass
802.11n (HT40)	SISO	5190	1	37.106	/	Pass
		5230	1	37.035	/	Pass
		5755	1	36.482	/	Pass
		5795	1	36.657	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	26.742	/	Pass
		5200	1	27.935	/	Pass
		5240	1	25.965	/	Pass
802.11n (HT20)	SISO	5180	1	29.394	/	Pass
		5200	1	28.133	/	Pass
		5240	1	29.556	/	Pass
802.11n (HT40)	SISO	5190	1	64.104	/	Pass
		5230	1	67.799	/	Pass

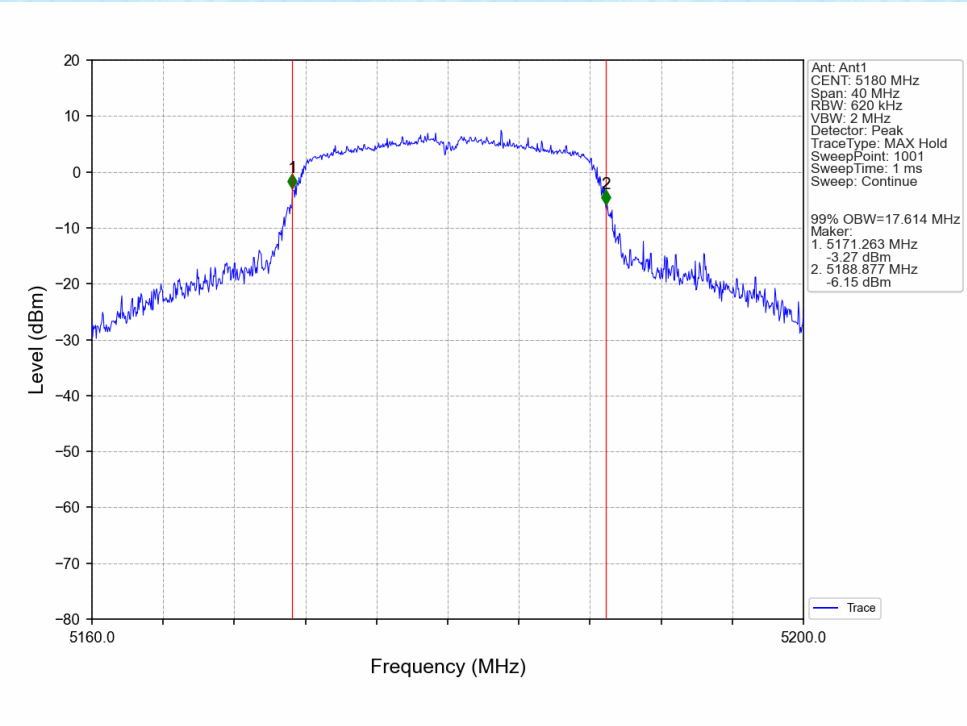
2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.531	>=0.5	Pass
		5785	1	13.873	>=0.5	Pass
		5825	1	16.086	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.180	>=0.5	Pass
		5785	1	15.318	>=0.5	Pass
		5825	1	15.176	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.026	>=0.5	Pass
		5795	1	35.122	>=0.5	Pass

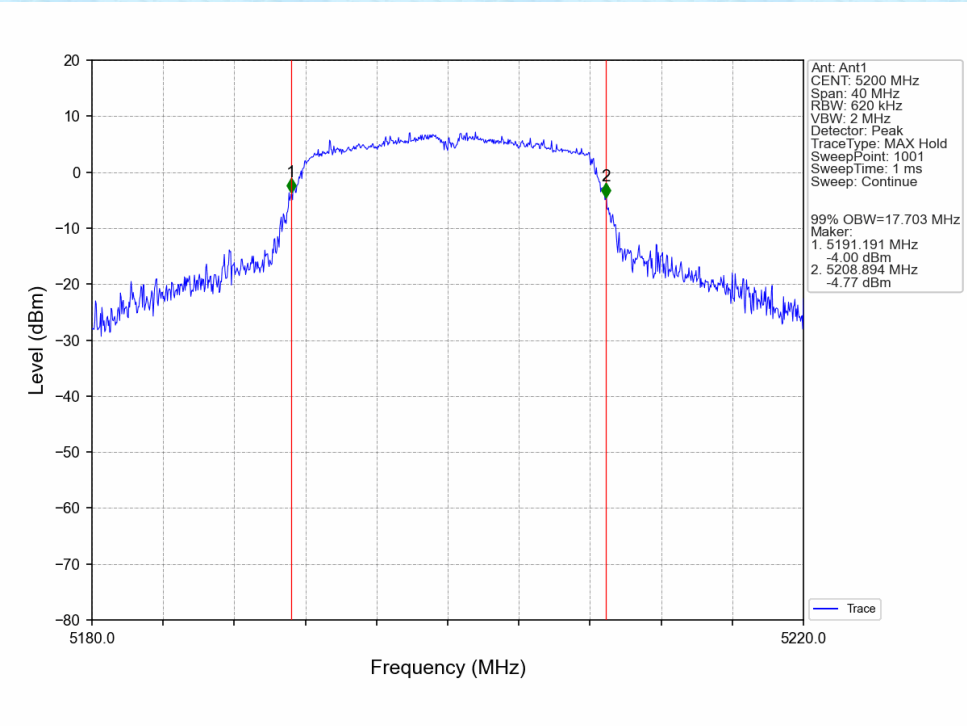
2.2 Test Graph

2.2.1 OBW

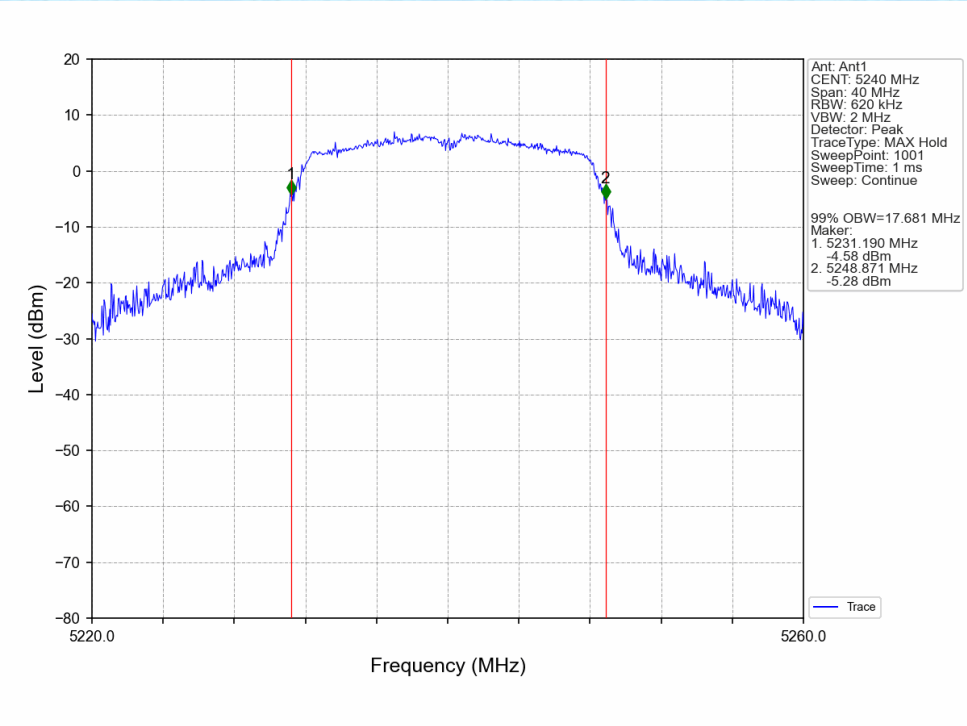
802.11a_LCH_5180MHz_Ant1_NTNV



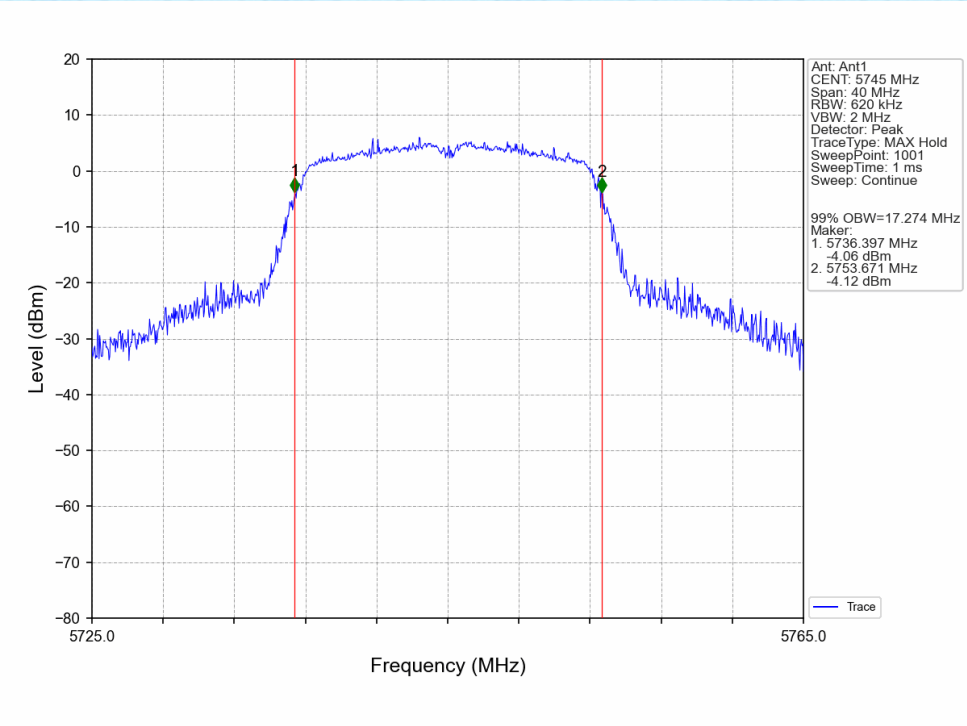
802.11a_MCH_5200MHz_Ant1_NTNV



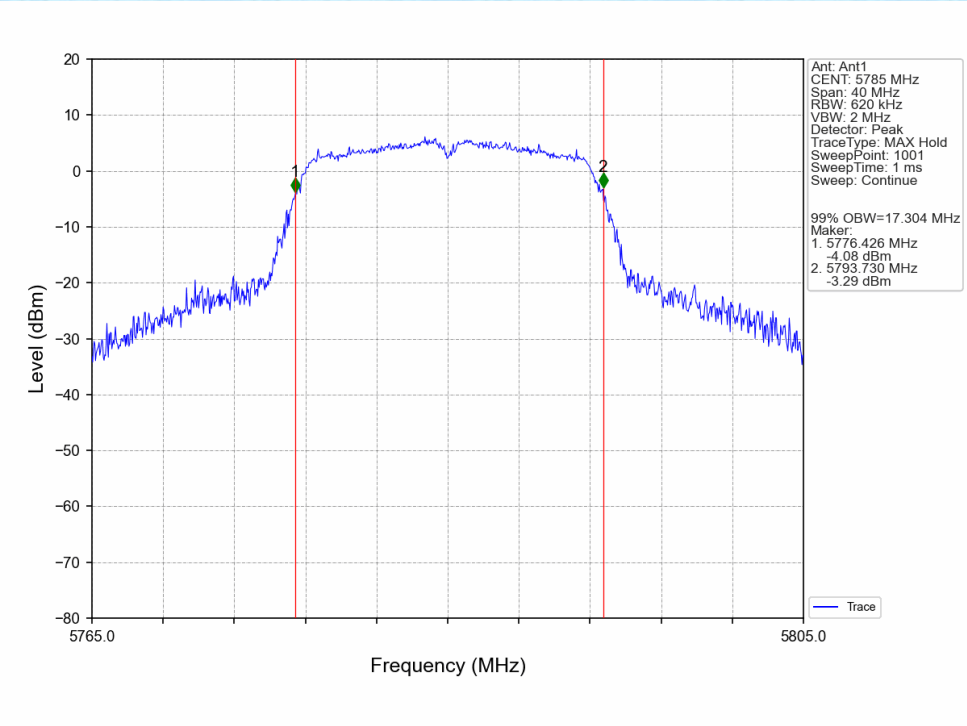
802.11a_HCH_5240MHz_Ant1_NTNV



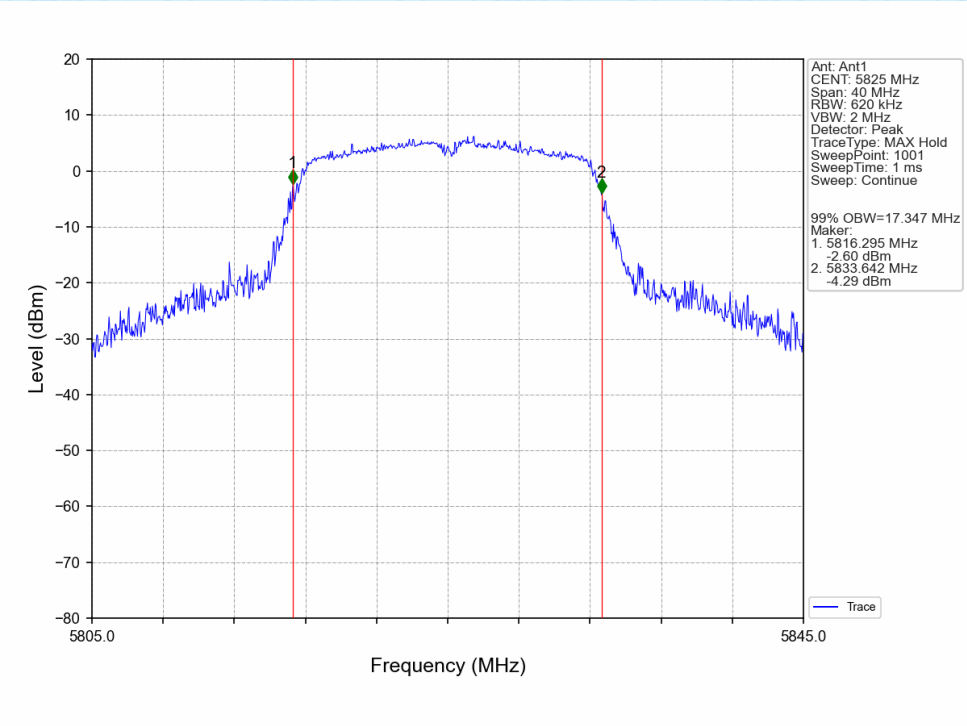
802.11a_LCH_5745MHz_Ant1_NTNV



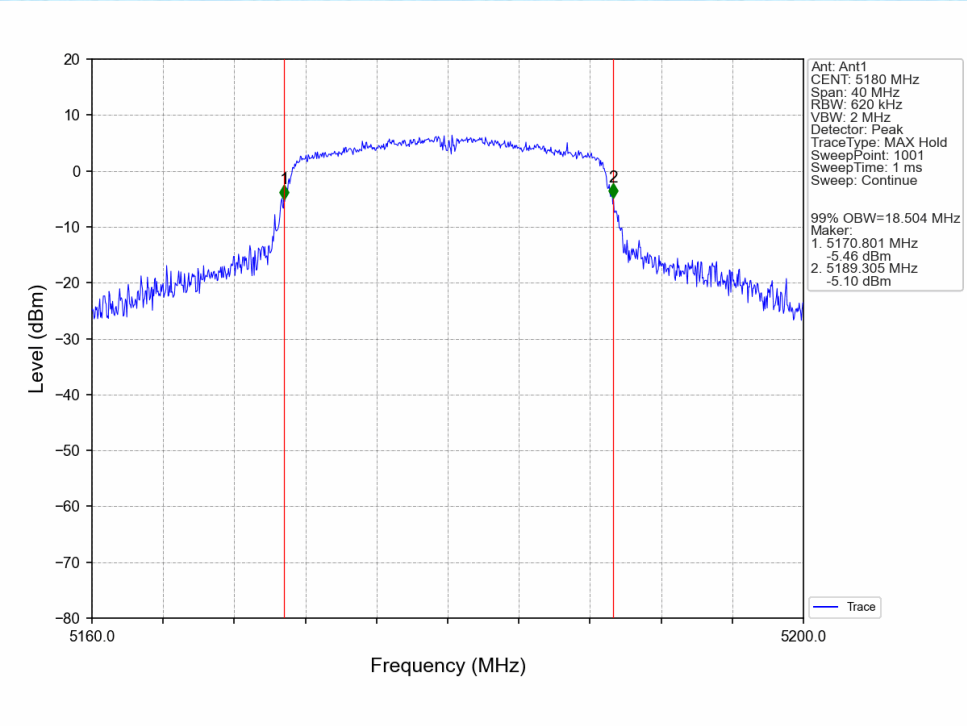
802.11a_MCH_5785MHz_Ant1_NTNV



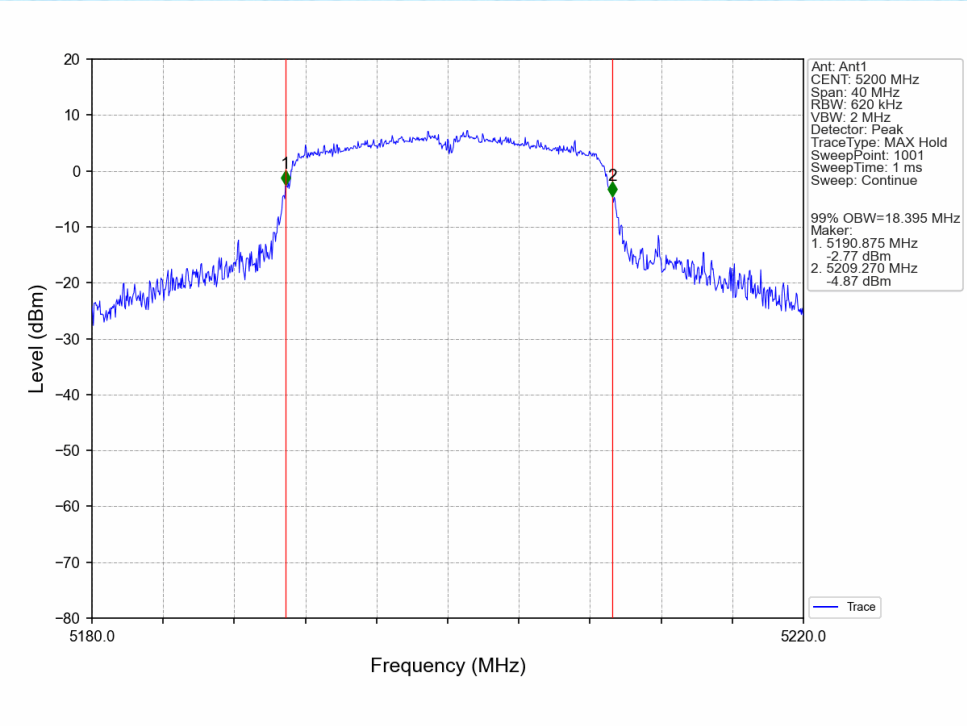
802.11a_HCH_5825MHz_Ant1_NTNV



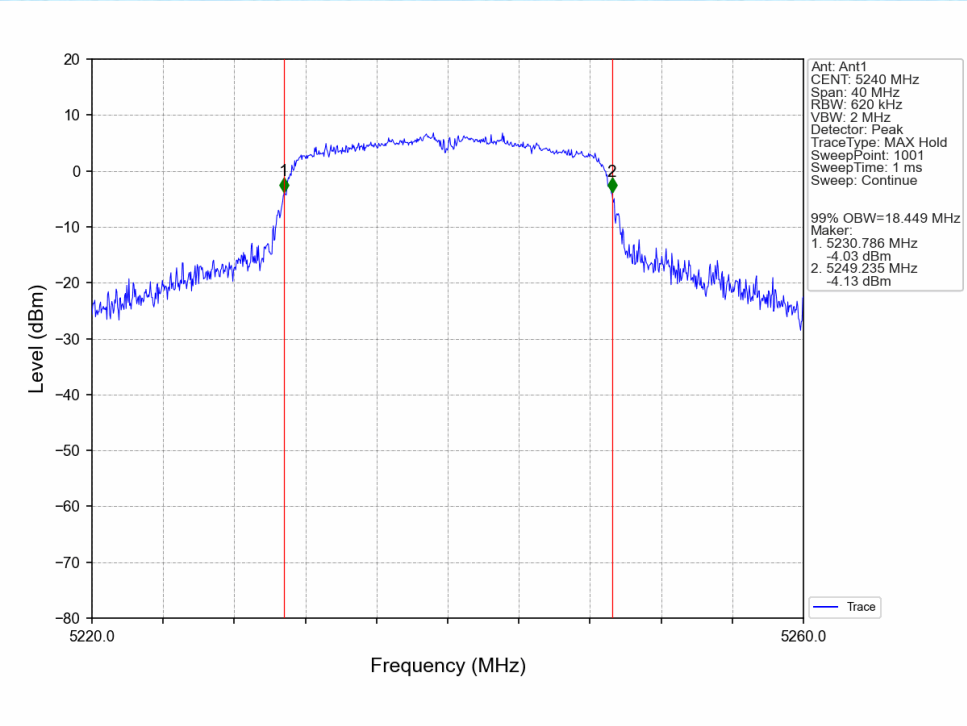
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



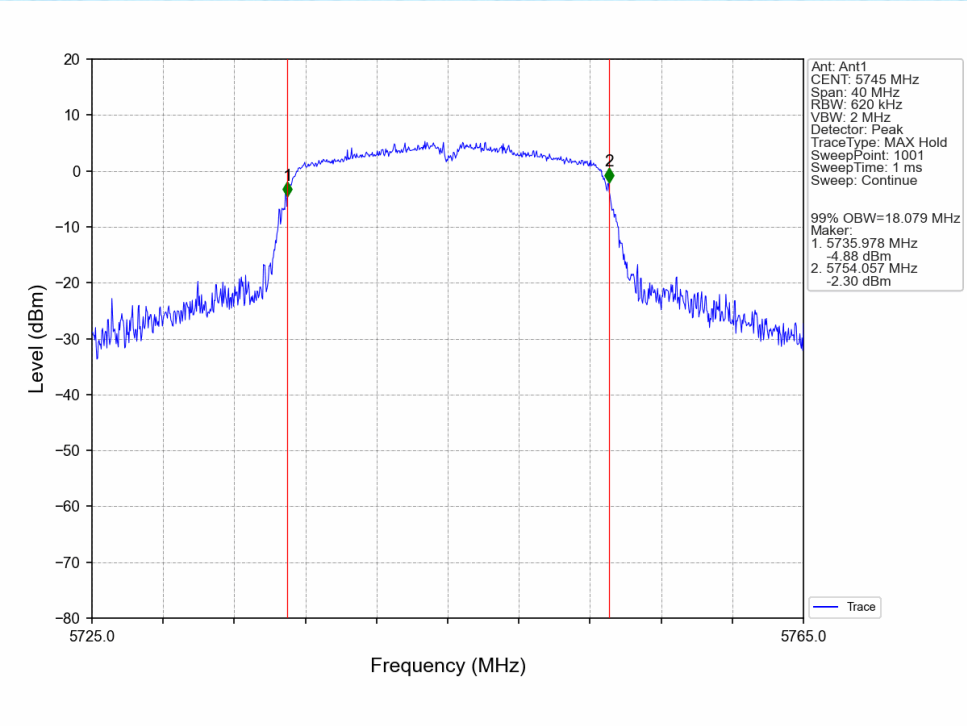
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



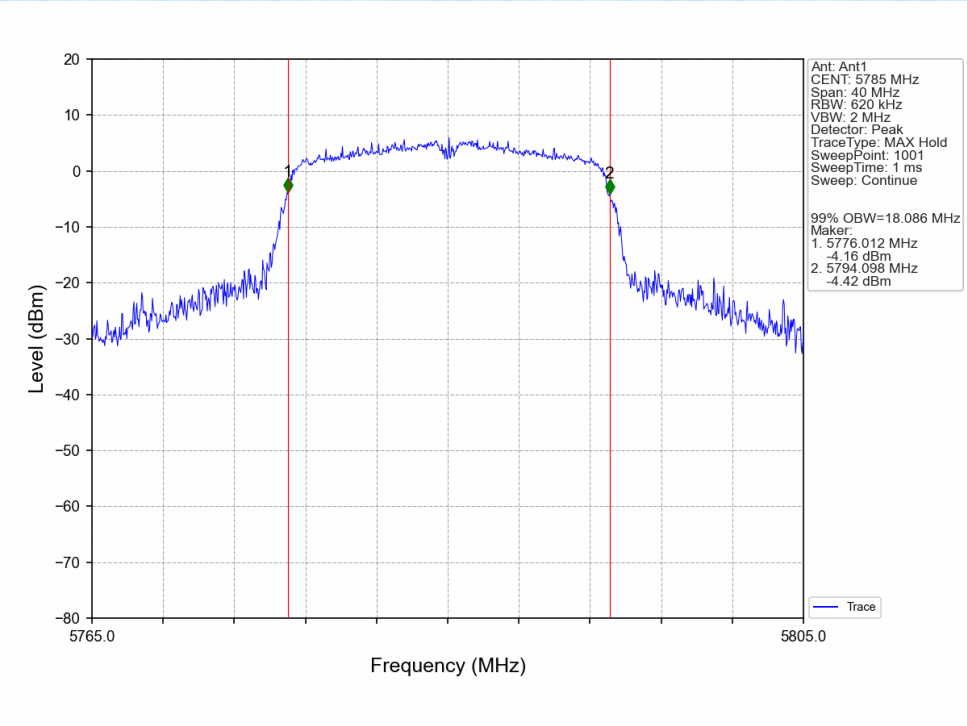
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



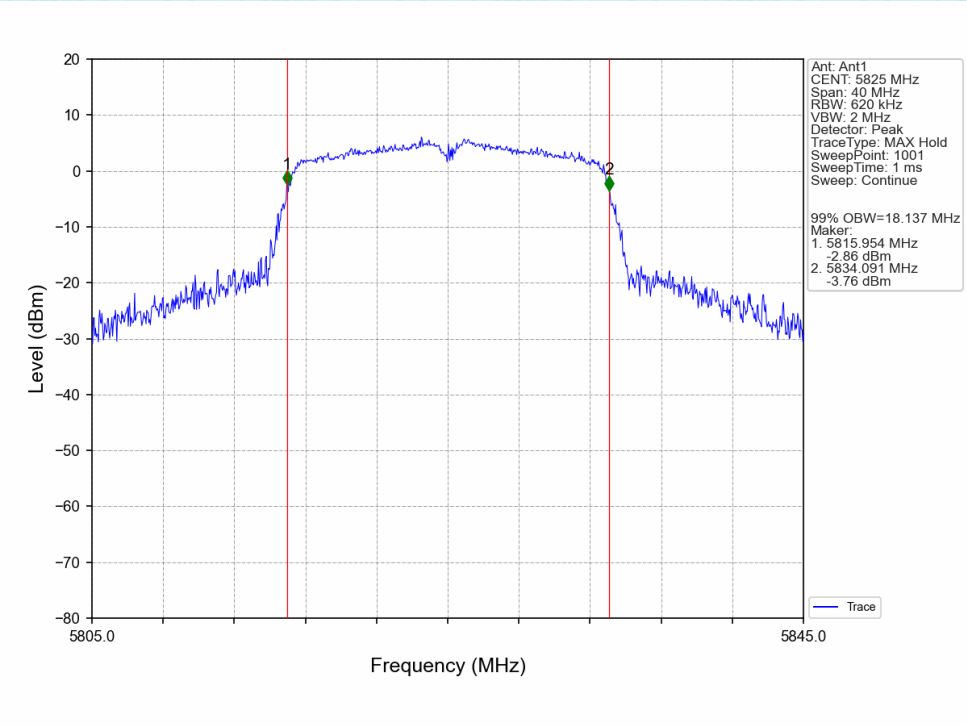
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



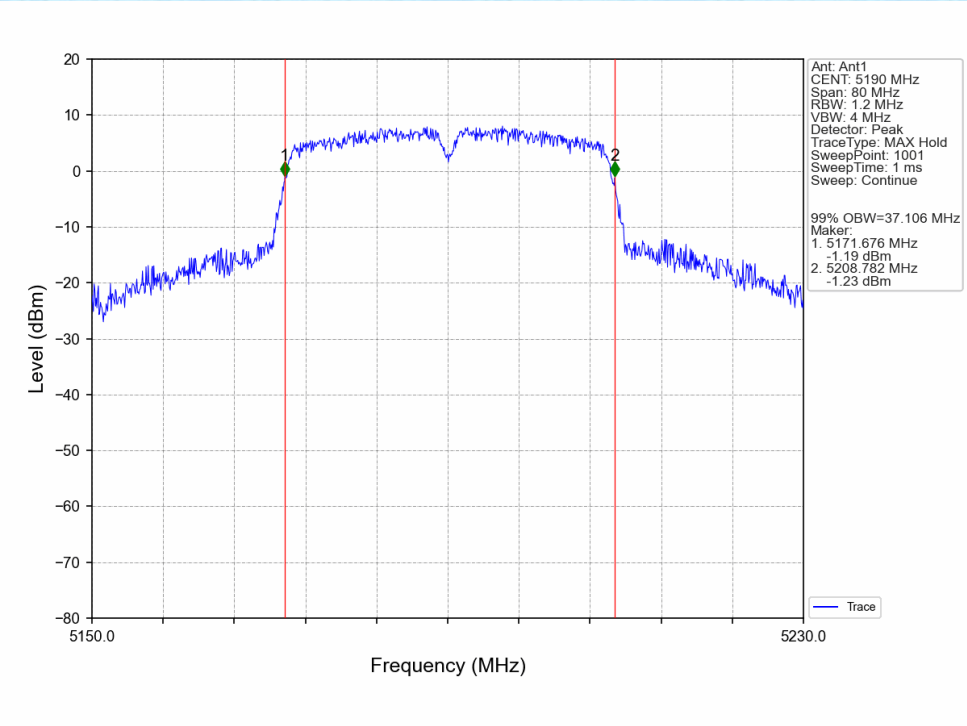
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



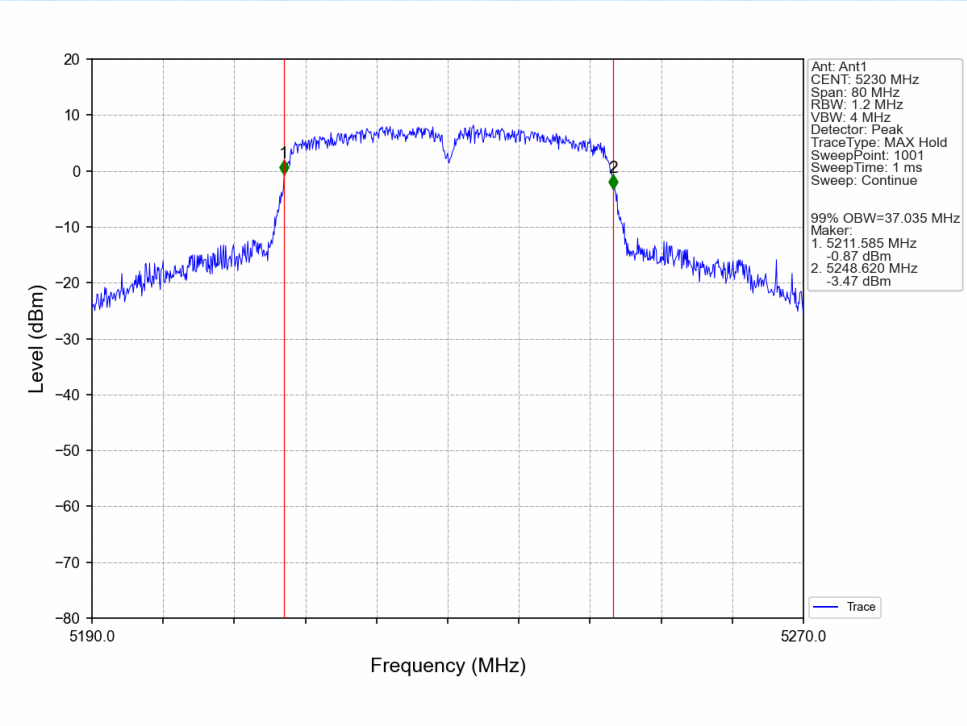
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



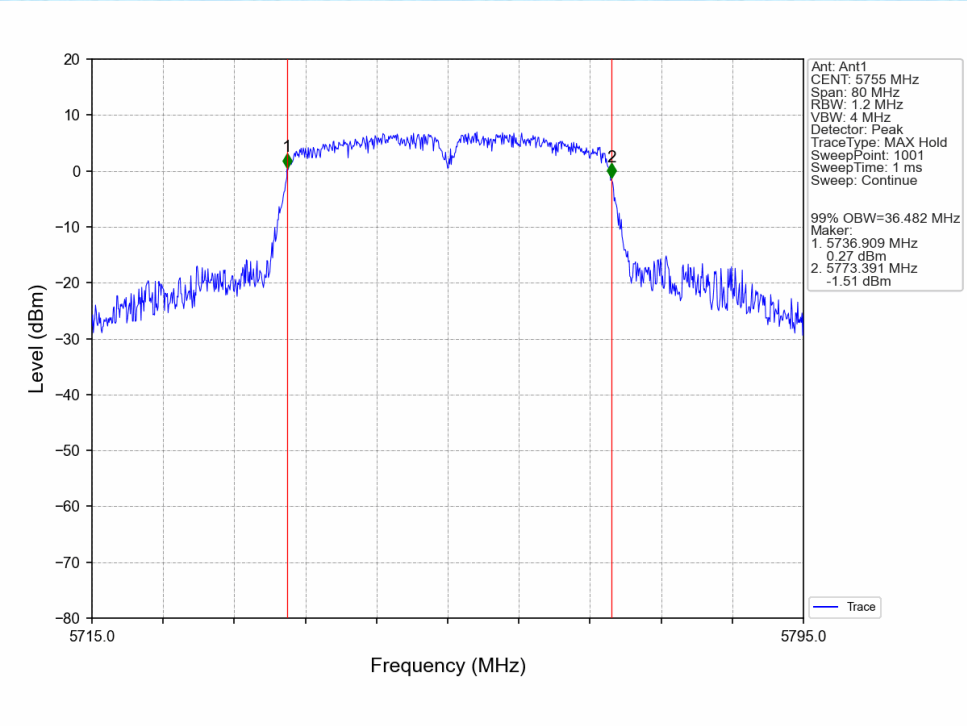
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



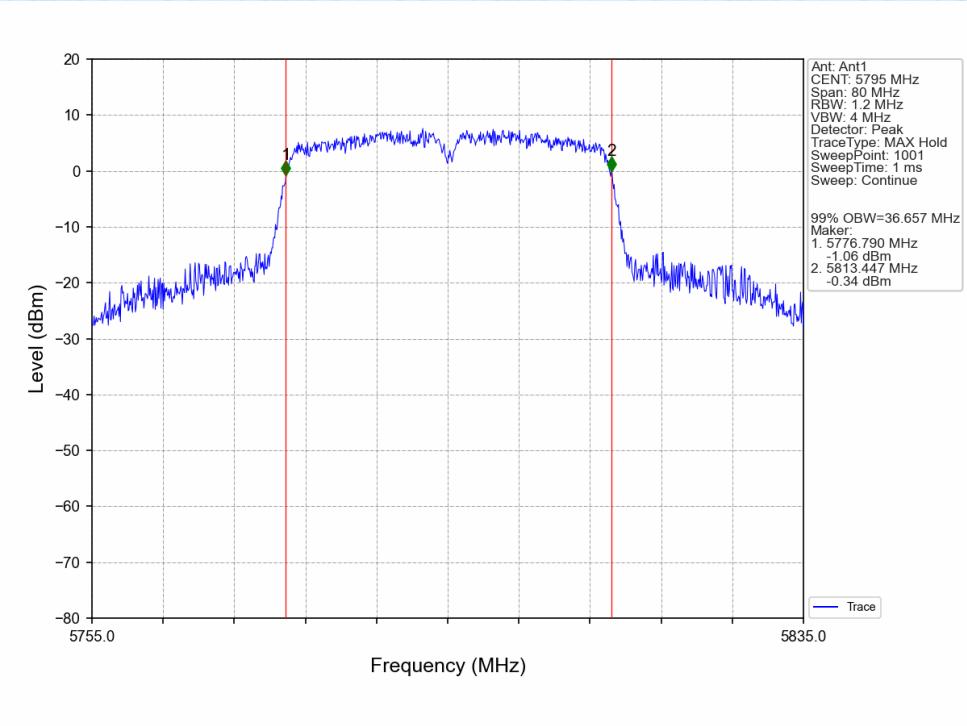
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

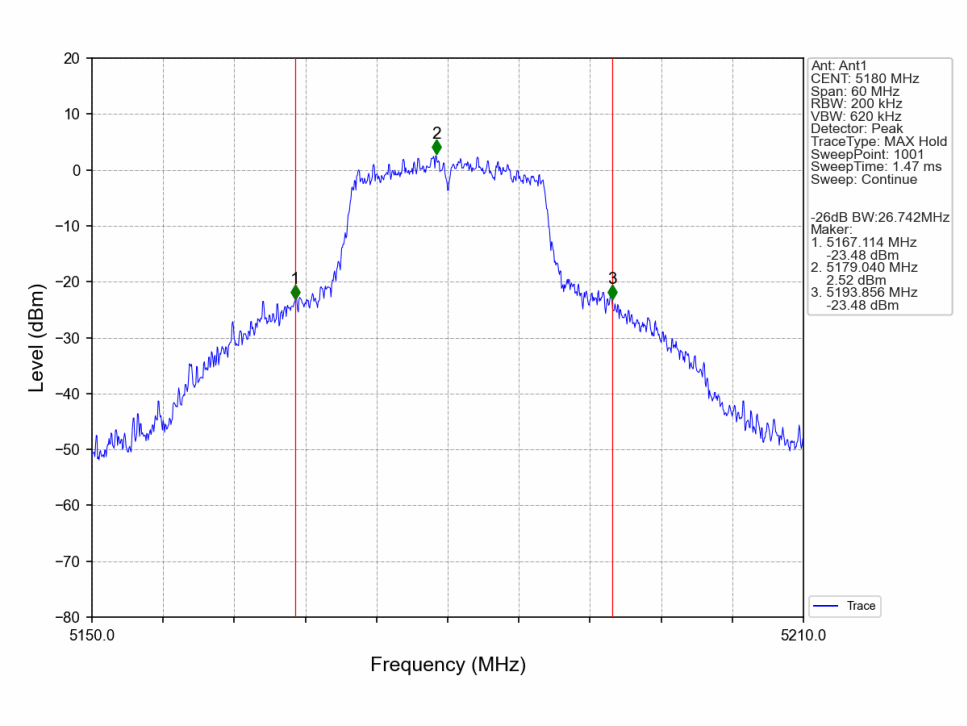


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

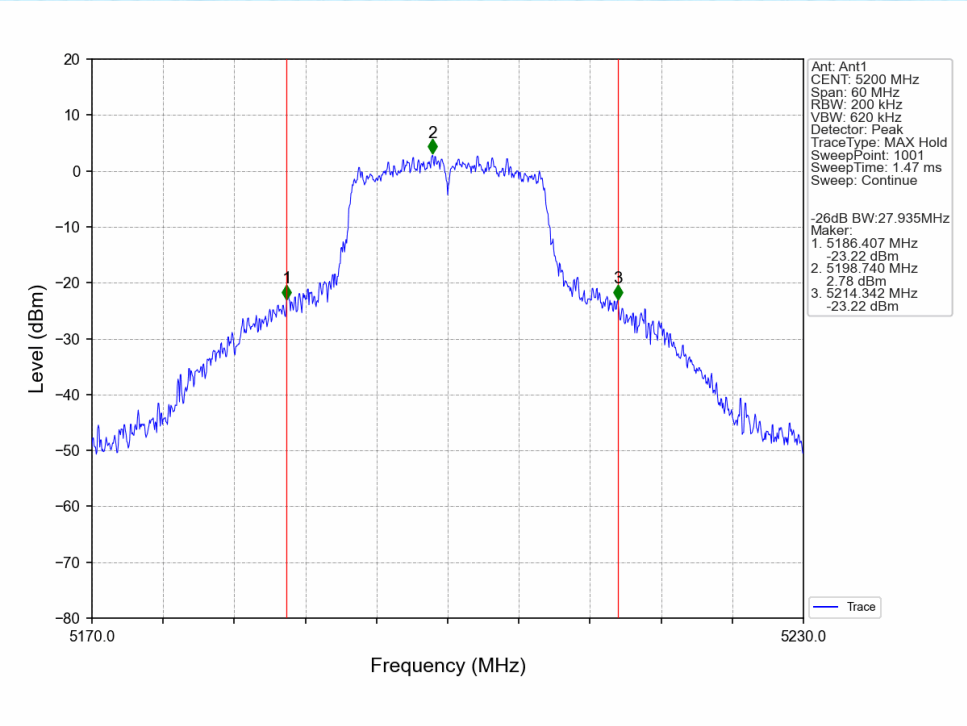


2.2.2 26dB BW

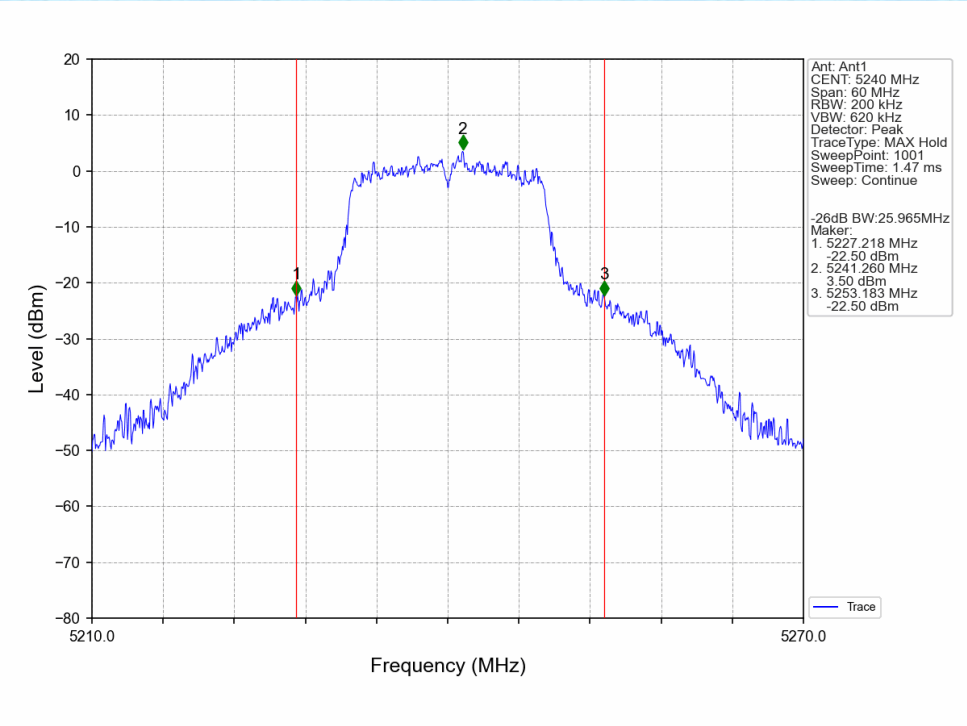
802.11a_LCH_5180MHz_Ant1_NTNV



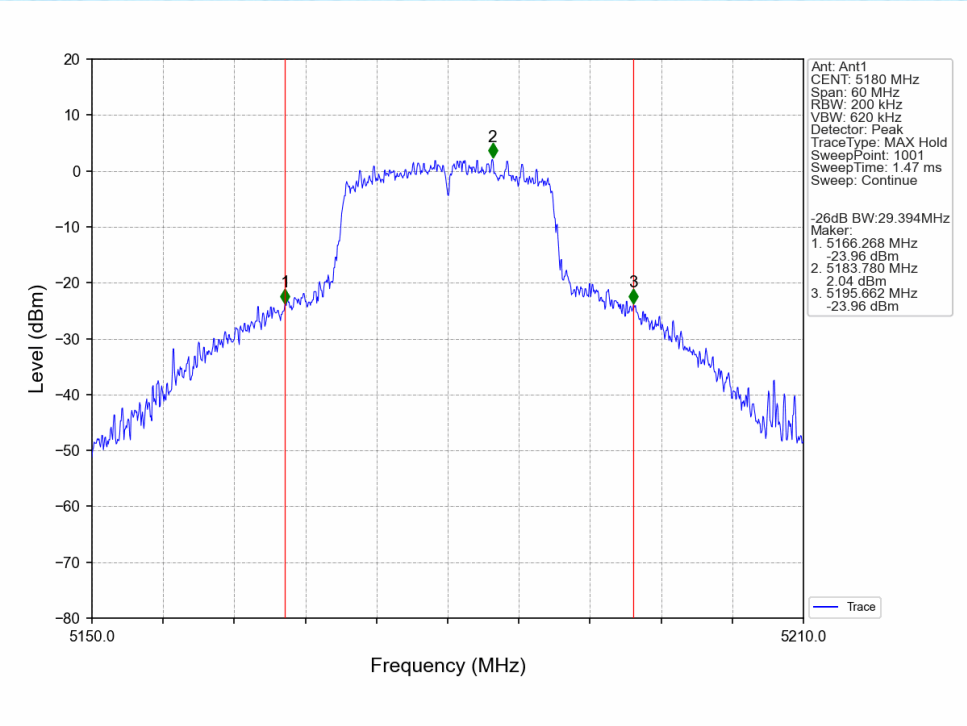
802.11a_MCH_5200MHz_Ant1_NTNV



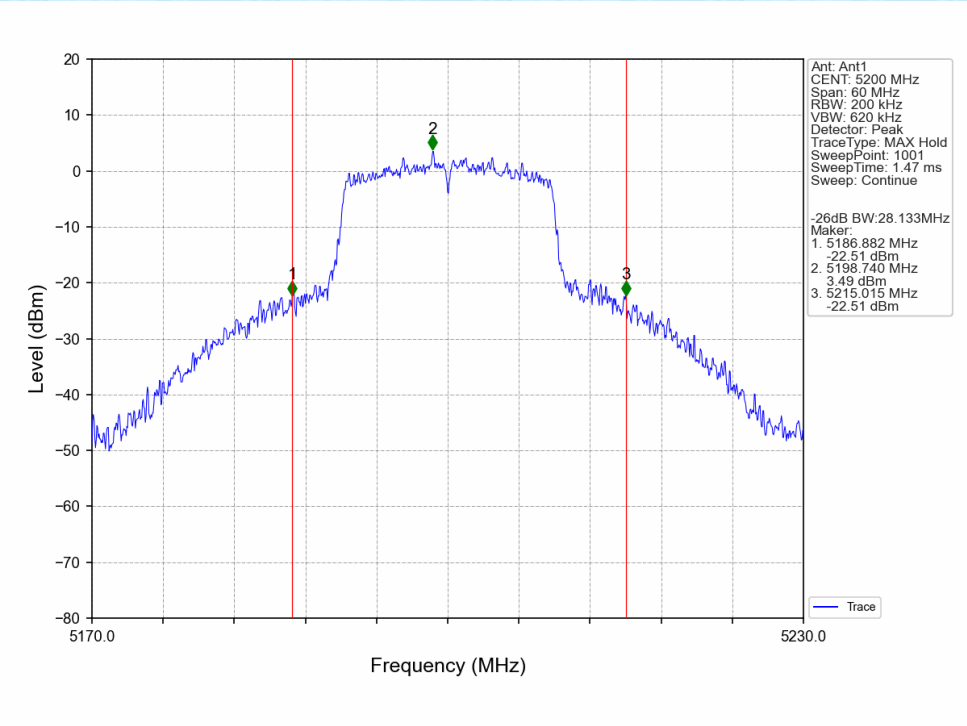
802.11a_HCH_5240MHz_Ant1_NTNV



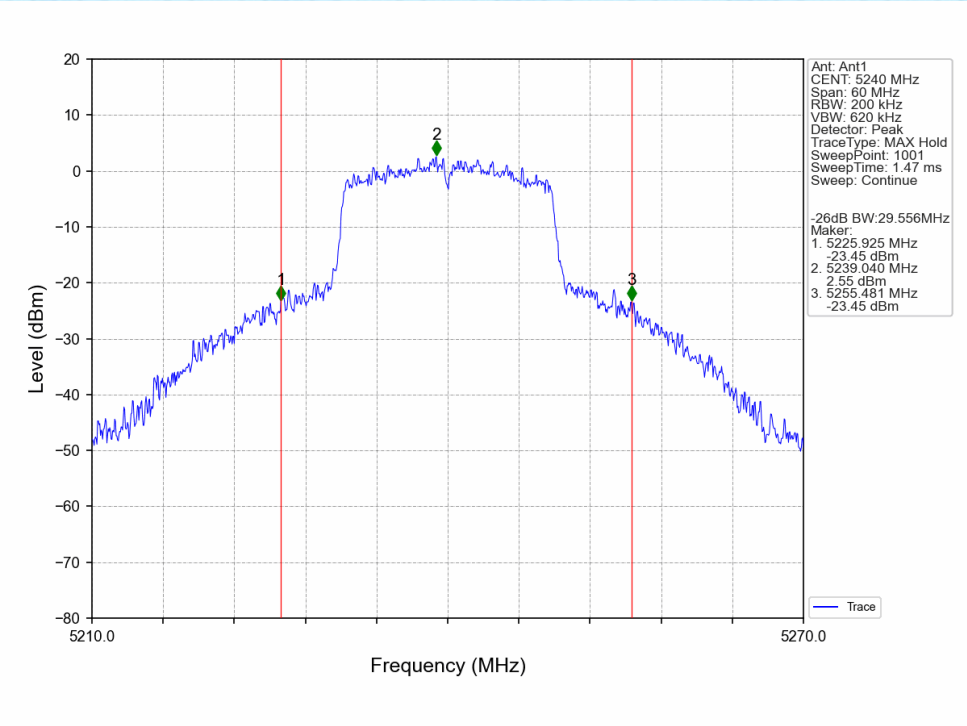
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



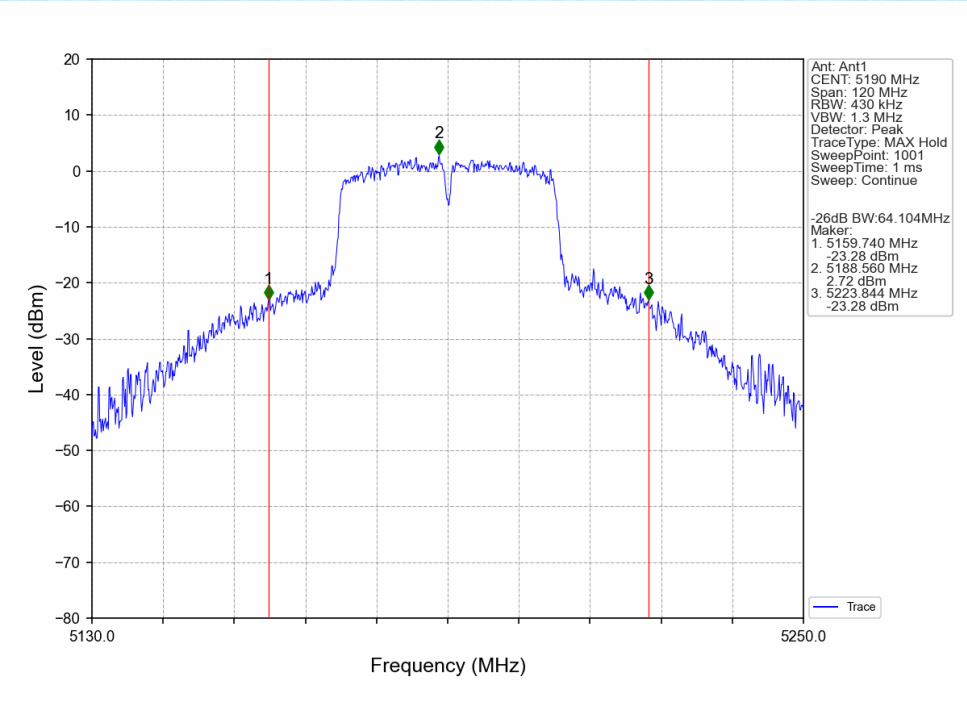
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



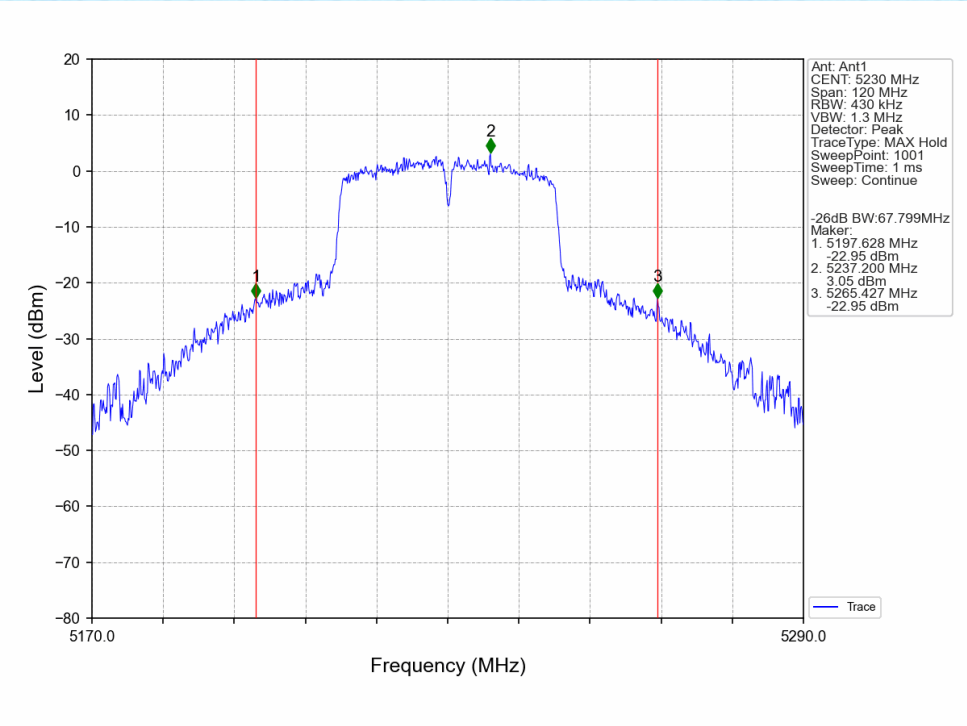
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

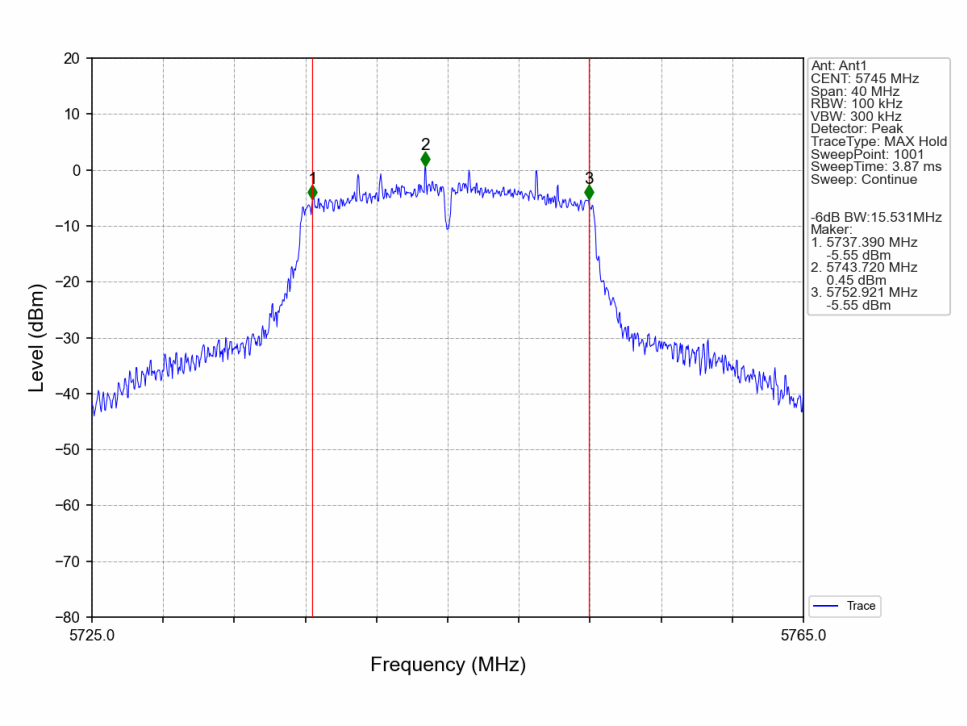


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

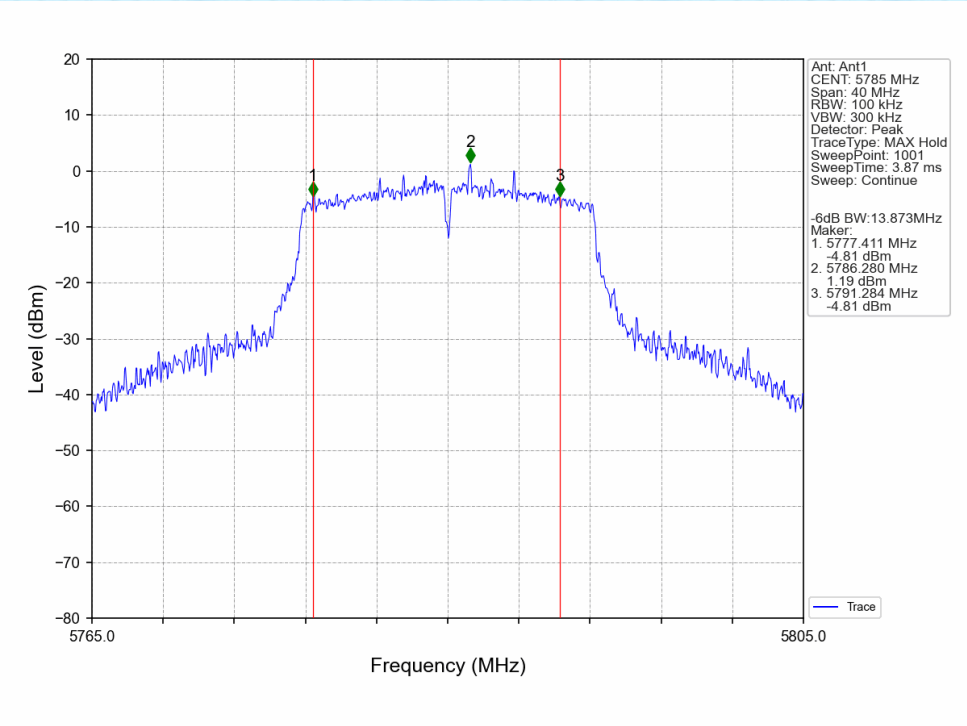


2.2.3 6dB BW

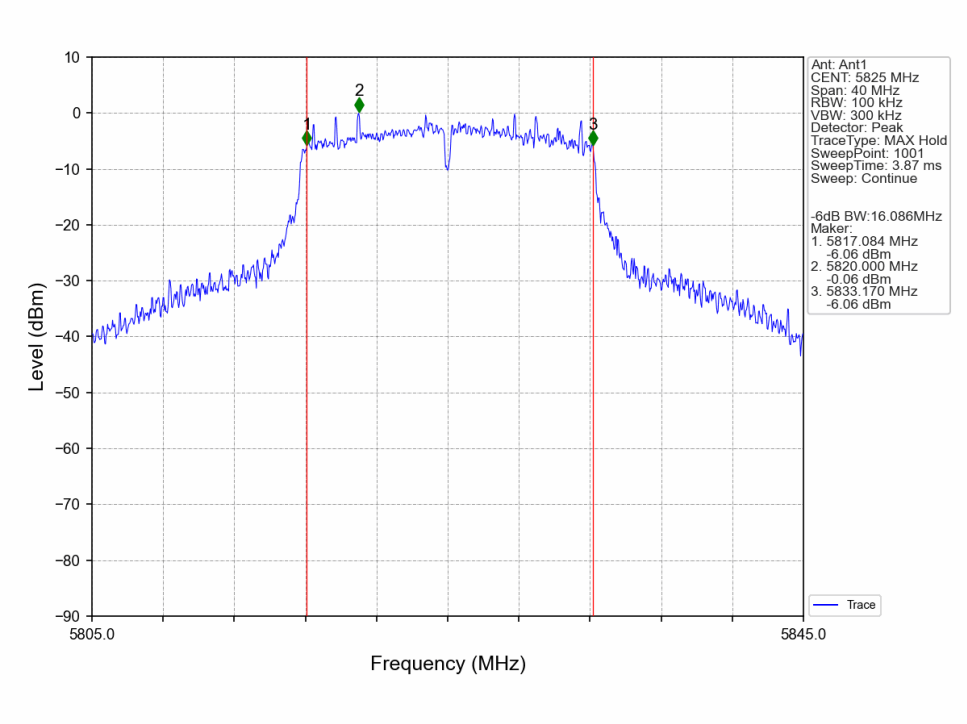
802.11a_LCH_5745MHz_Ant1_NTNV



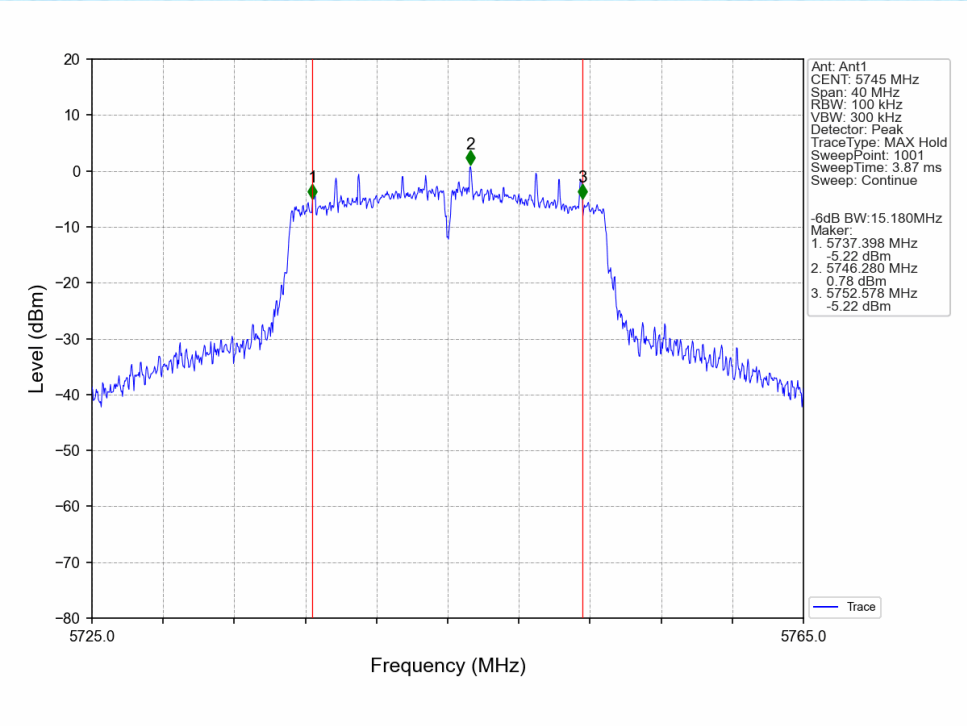
802.11a_MCH_5785MHz_Ant1_NTNV



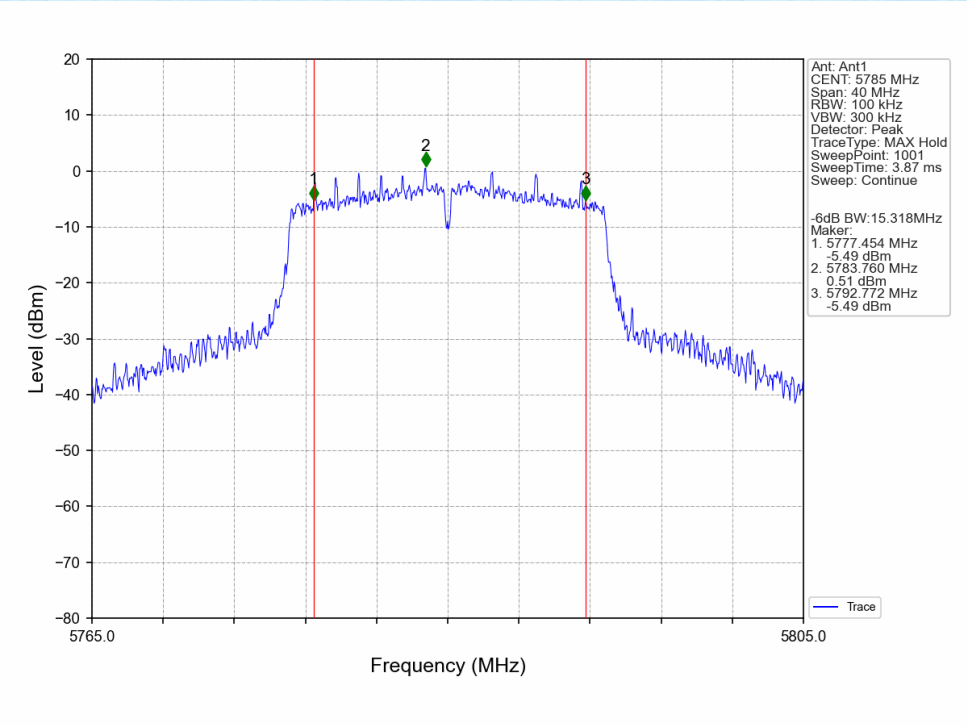
802.11a_HCH_5825MHz_Ant1_NTNV



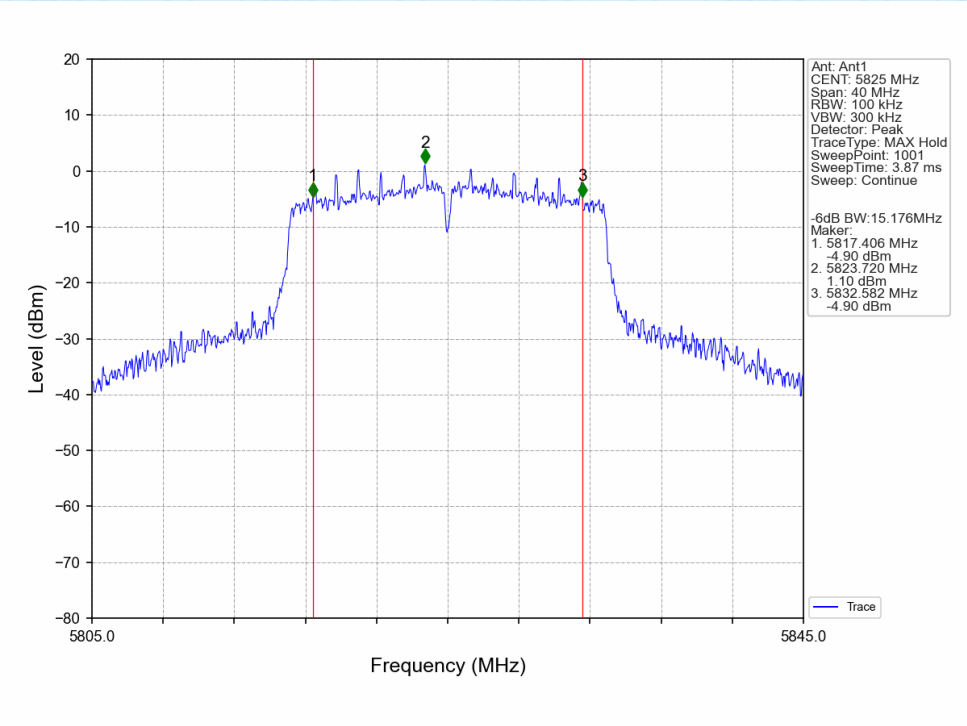
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



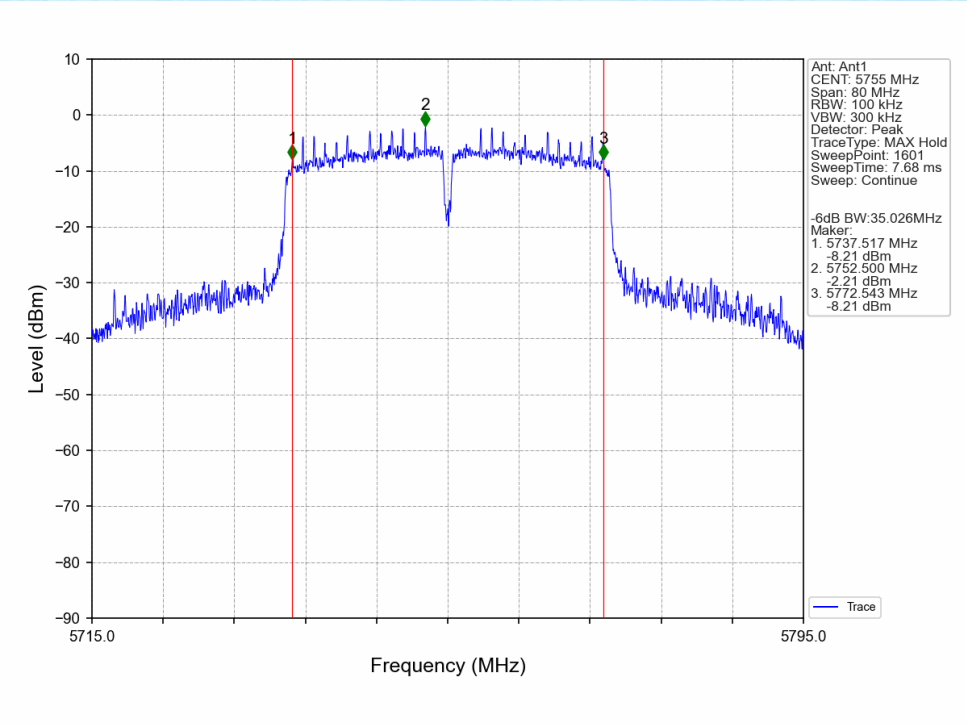
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



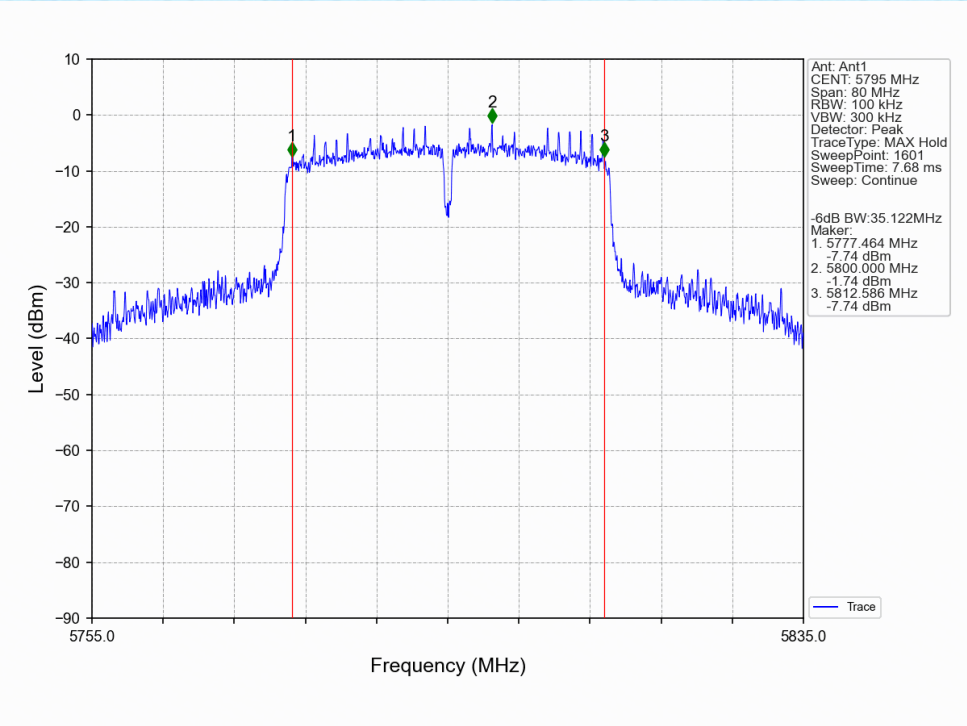
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_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	12.08	<=23.98	Pass
		5200	12.48	<=23.98	Pass
		5240	12.43	<=23.98	Pass
		5745	11.11	<=30	Pass
		5785	11.34	<=30	Pass
		5825	11.56	<=30	Pass
802.11n (HT20)	SISO	5180	12.08	<=23.98	Pass
		5200	12.49	<=23.98	Pass
		5240	12.27	<=23.98	Pass
		5745	11.00	<=30	Pass
		5785	11.44	<=30	Pass
		5825	11.48	<=30	Pass
802.11n (HT40)	SISO	5190	12.58	<=23.98	Pass
		5230	12.72	<=23.98	Pass
		5755	11.67	<=30	Pass
		5795	12.08	<=30	Pass

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	1.66	<=11	Pass
		5200	2.11	<=11	Pass
		5240	2.07	<=11	Pass
802.11n (HT20)	SISO	5180	1.55	<=11	Pass
		5200	1.96	<=11	Pass
		5240	1.76	<=11	Pass
802.11n (HT40)	SISO	5190	-1.45	<=11	Pass
		5230	-1.26	<=11	Pass
Note1: Antenna Gain: - Band: 1 Ant1: 1.58dBi; - Band: 3 Ant1: 2.06dBi;					

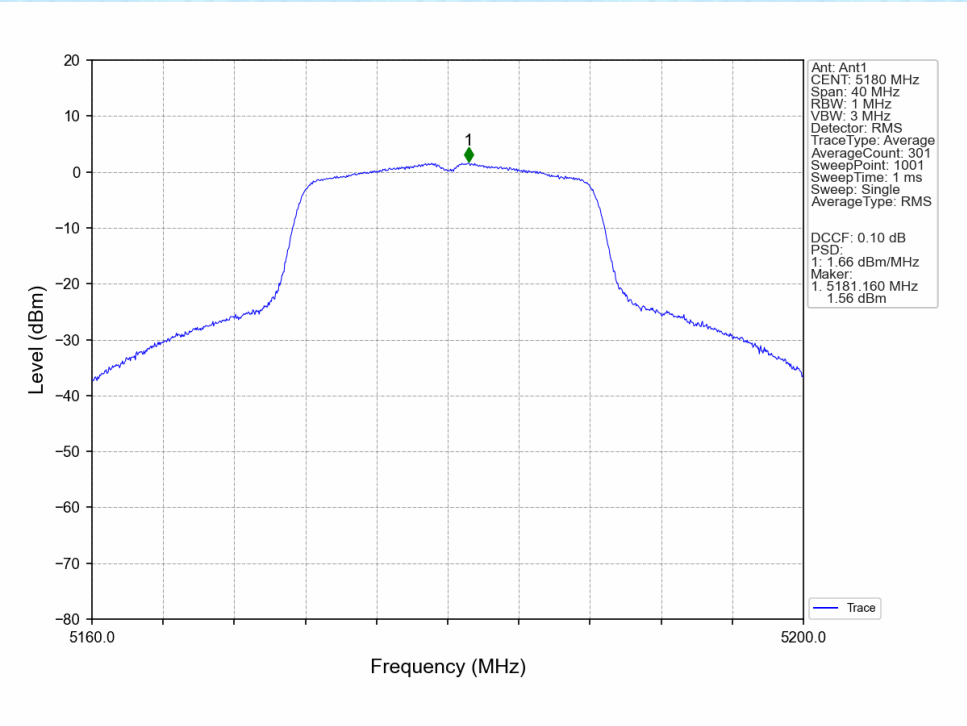
4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-1.97	<=30	Pass
		5785	-1.49	<=30	Pass
		5825	-1.39	<=30	Pass
802.11n (HT20)	SISO	5745	-2.10	<=30	Pass
		5785	-1.55	<=30	Pass
		5825	-1.56	<=30	Pass
802.11n (HT40)	SISO	5755	-5.28	<=30	Pass
		5795	-4.45	<=30	Pass
Note1: Antenna Gain: - Band: 1 Ant1: 1.58dBi; - Band: 3 Ant1: 2.06dBi;					

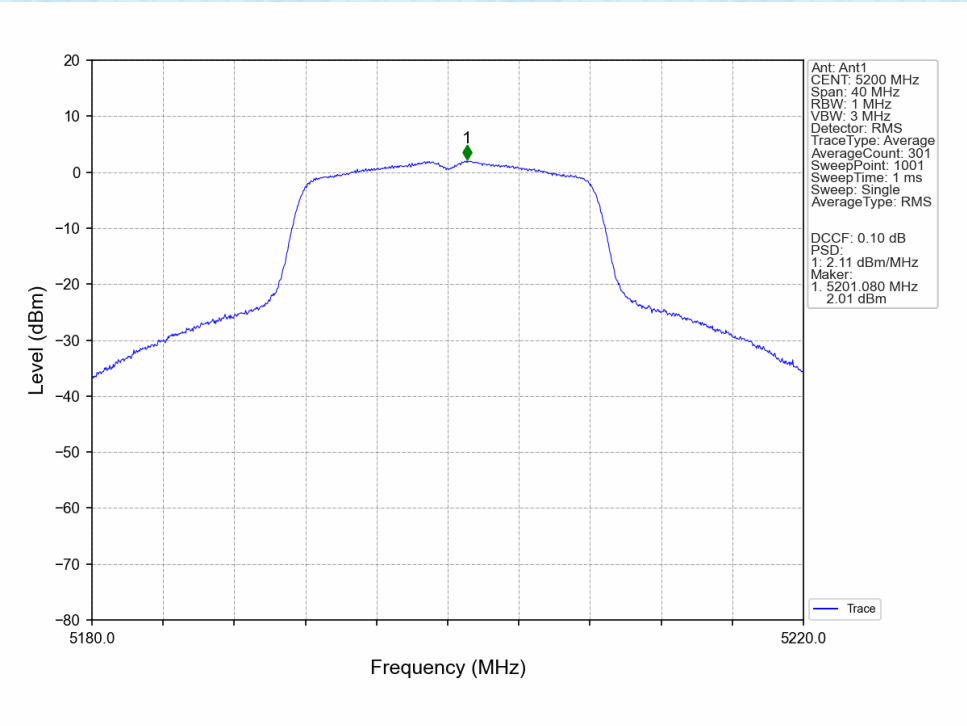
4.2 Test Graph

4.2.1 PSD

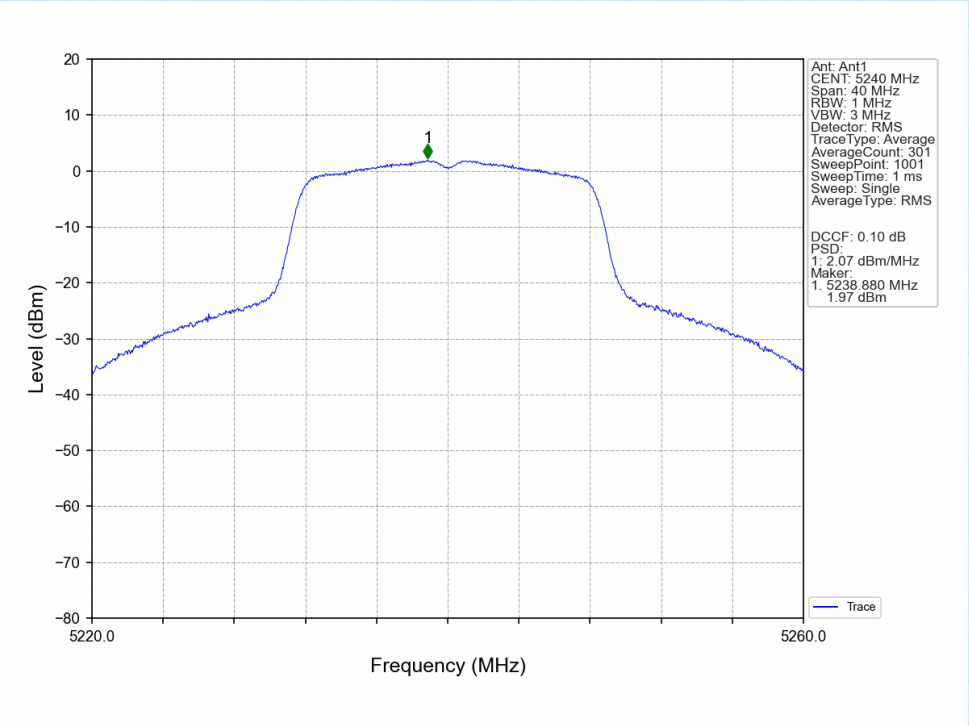
802.11a_LCH_5180MHz_Ant1_NTNV



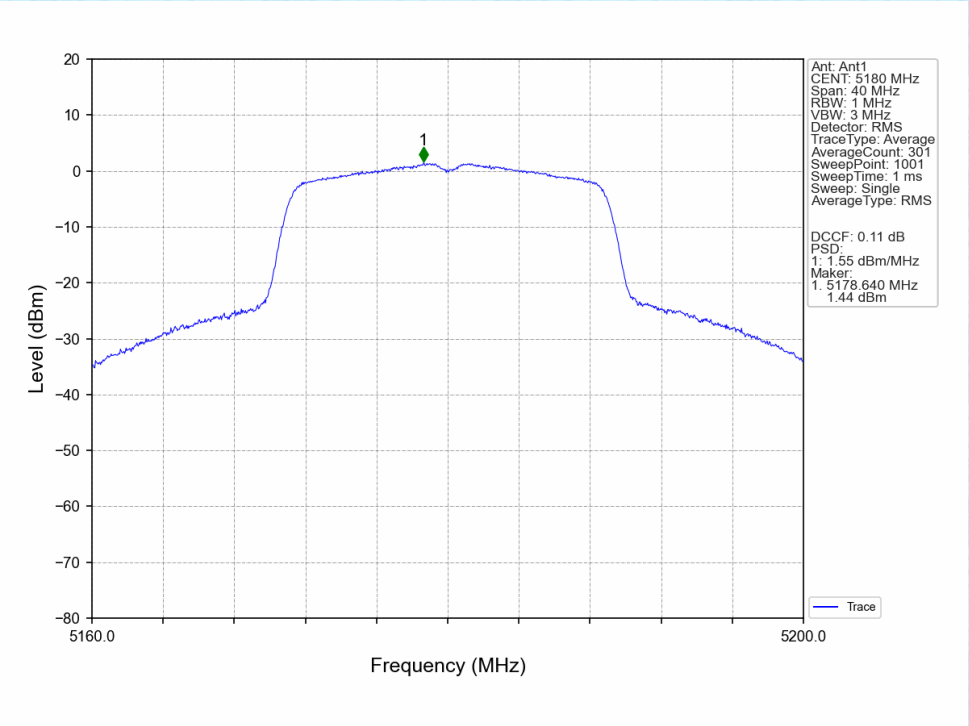
802.11a_MCH_5200MHz_Ant1_NTNV



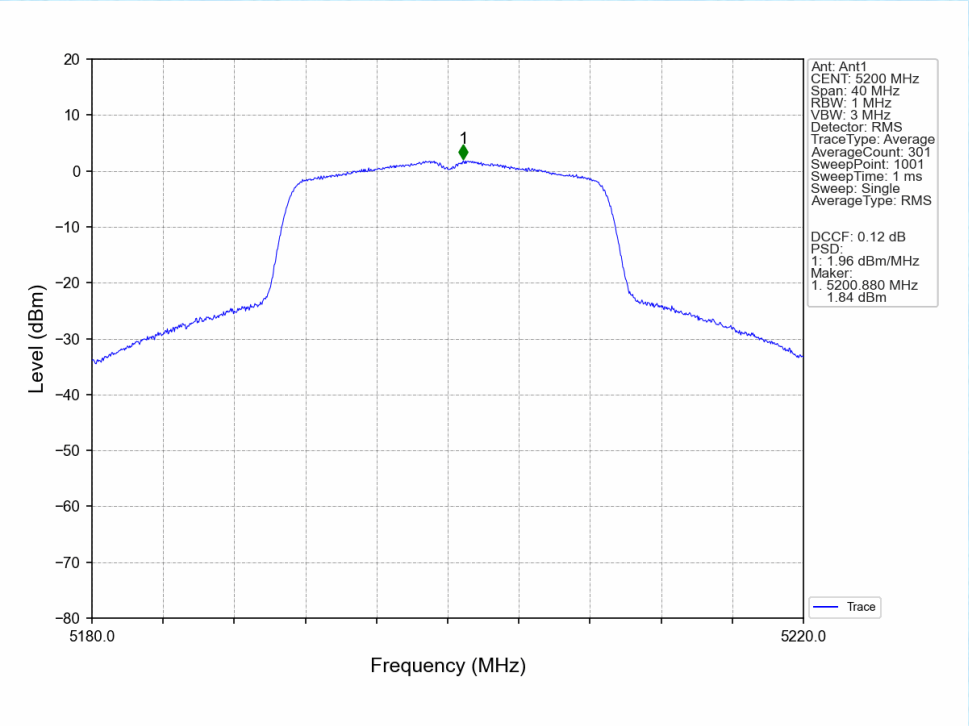
802.11a_HCH_5240MHz_Ant1_NTNV



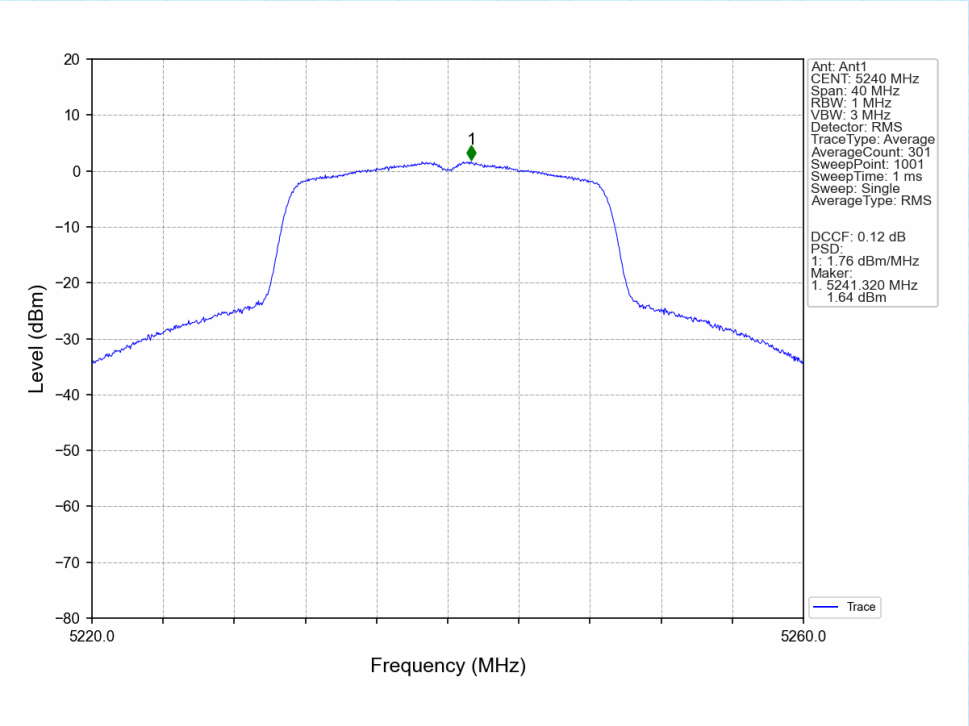
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



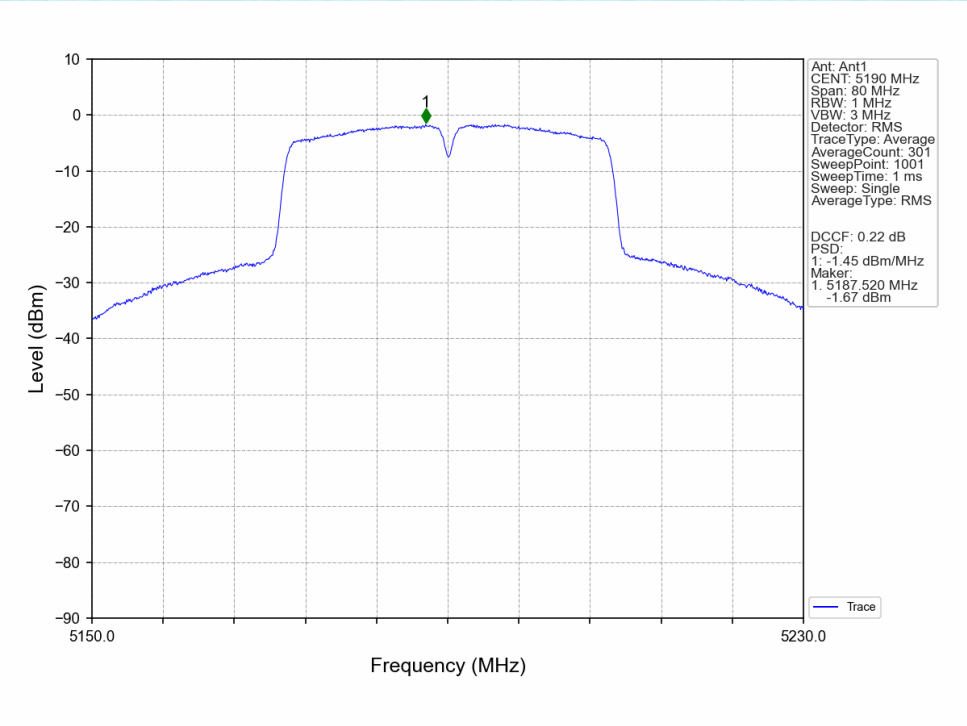
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



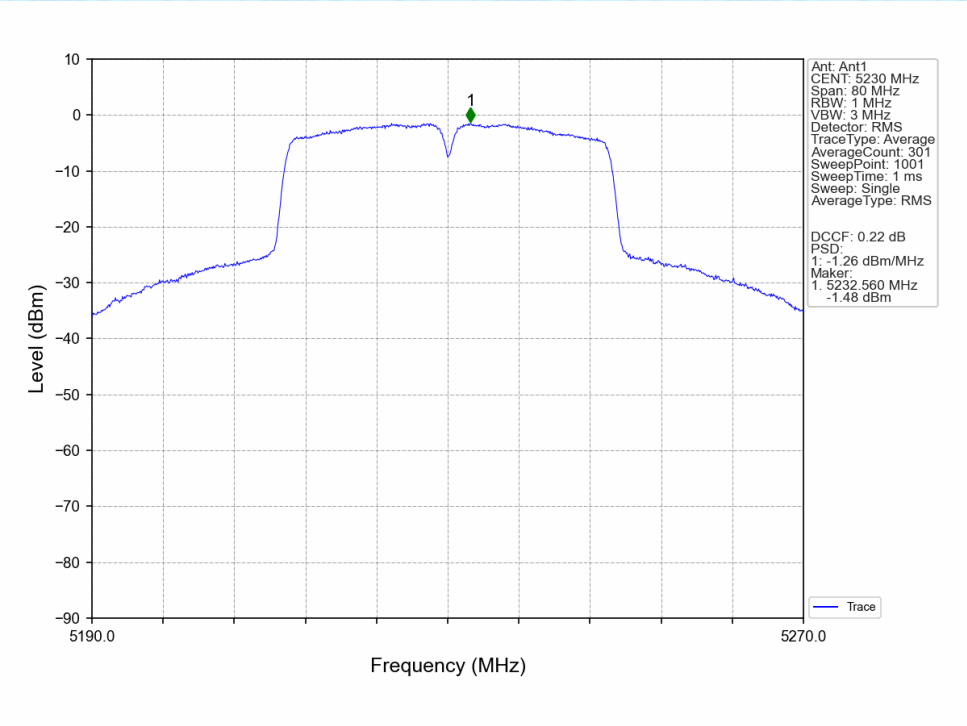
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

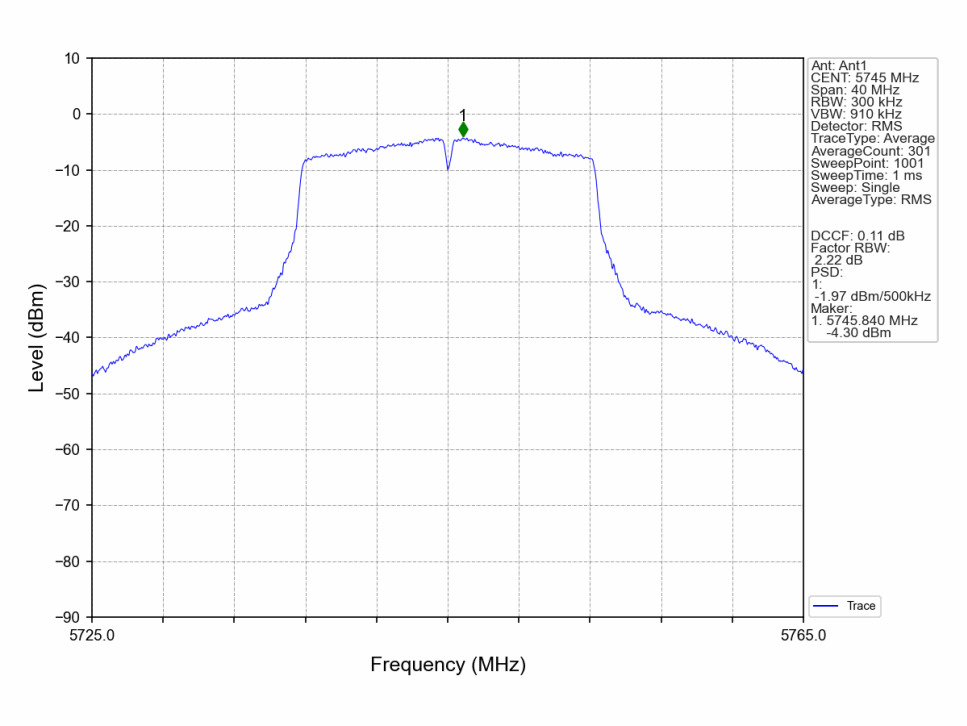


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

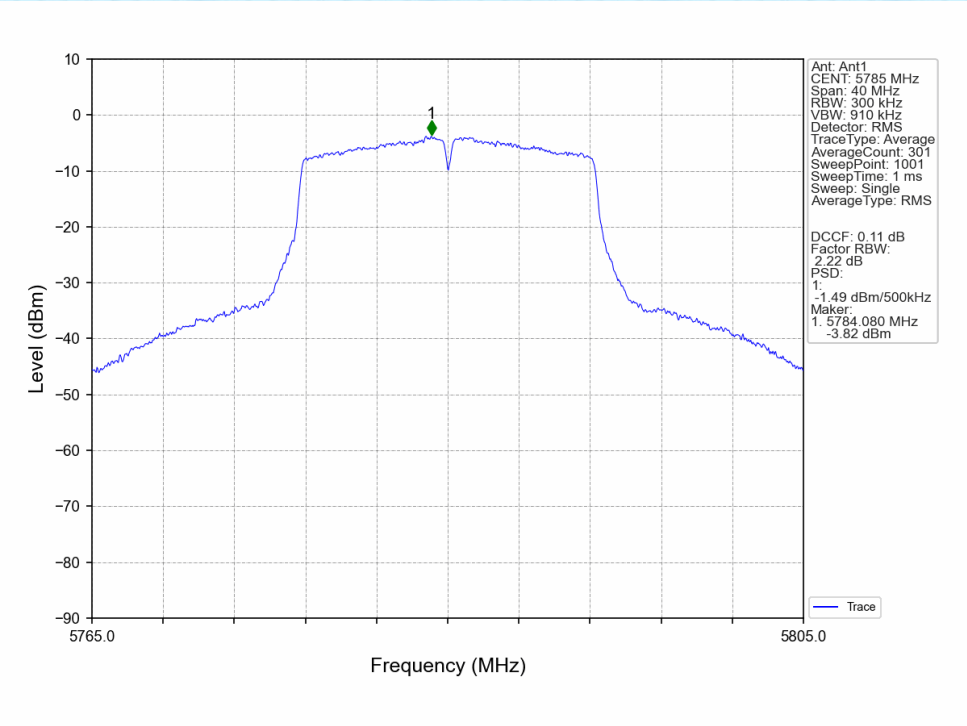


4.2.2 PSD-Band3

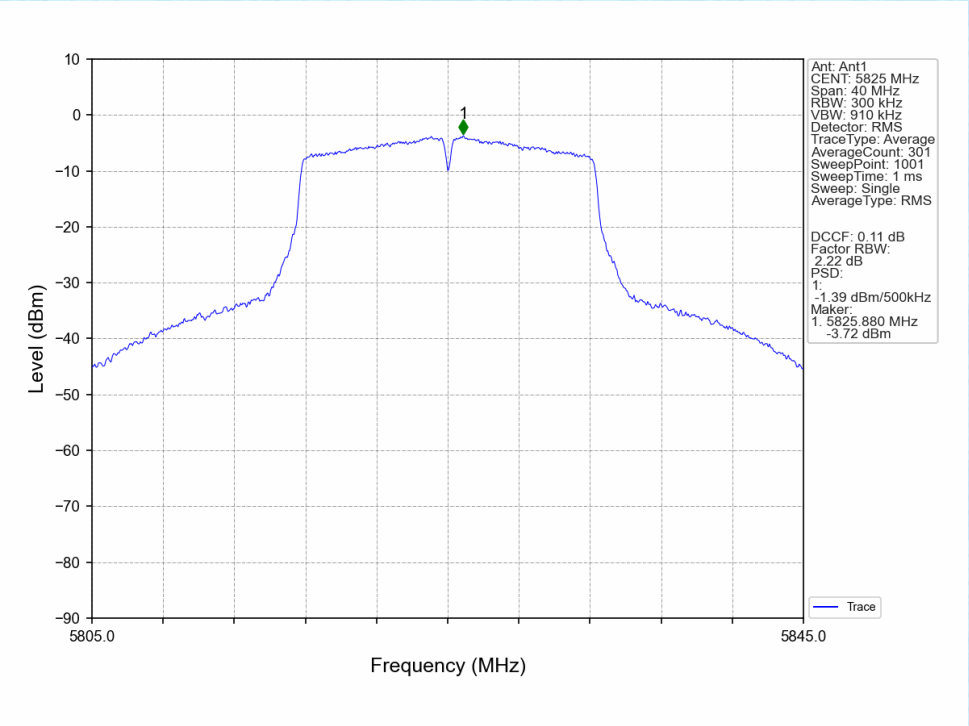
802.11a_LCH_5745MHz_Ant1_NTNV



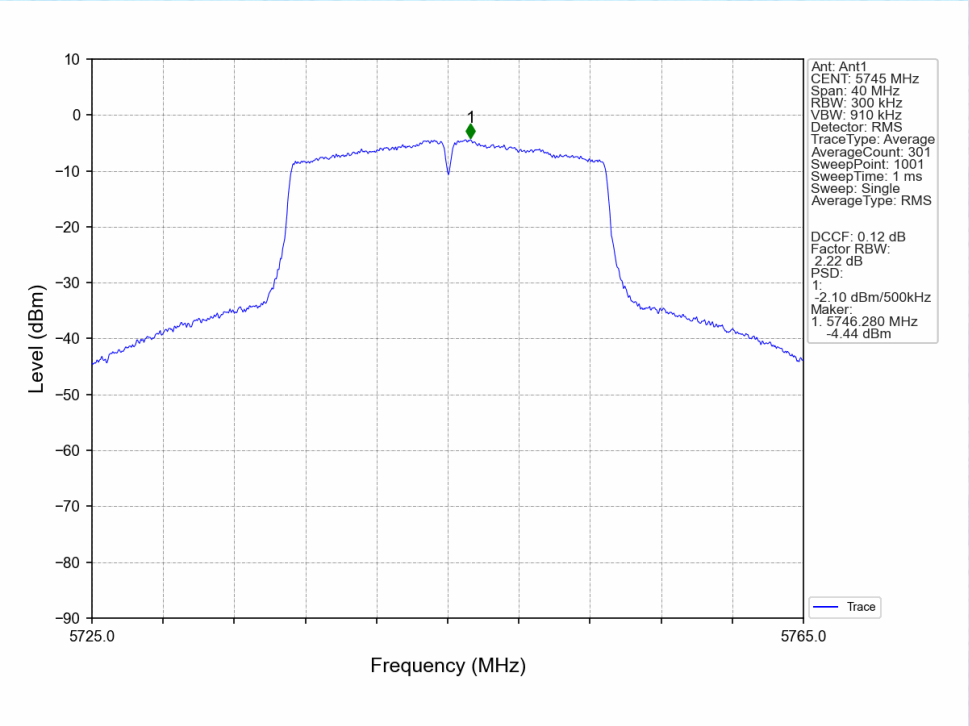
802.11a_MCH_5785MHz_Ant1_NTNV



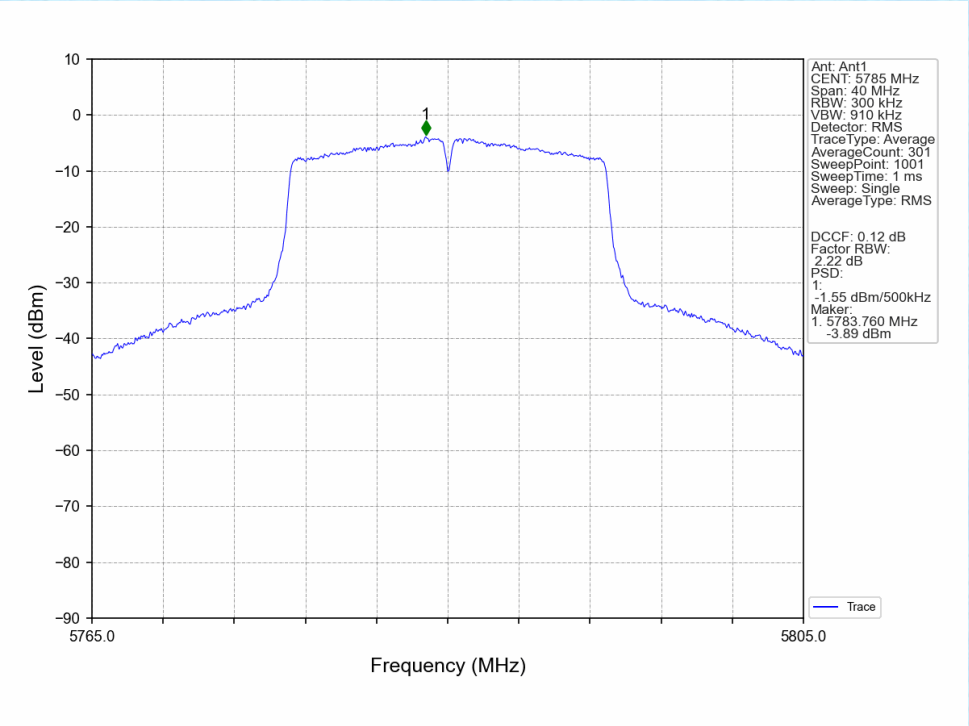
802.11a_HCH_5825MHz_Ant1_NTNV



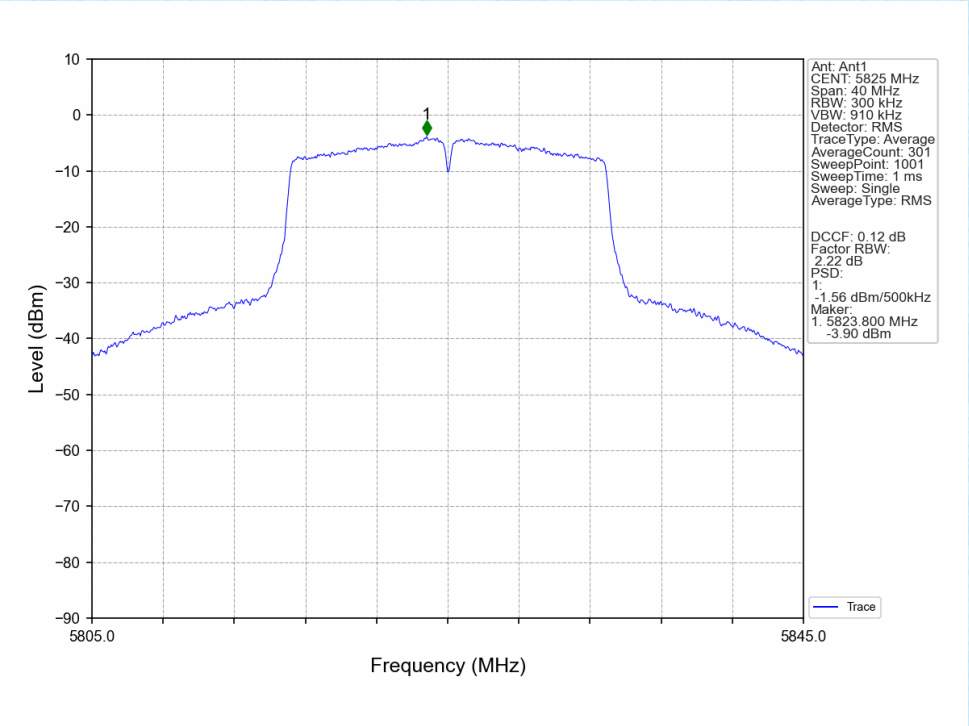
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



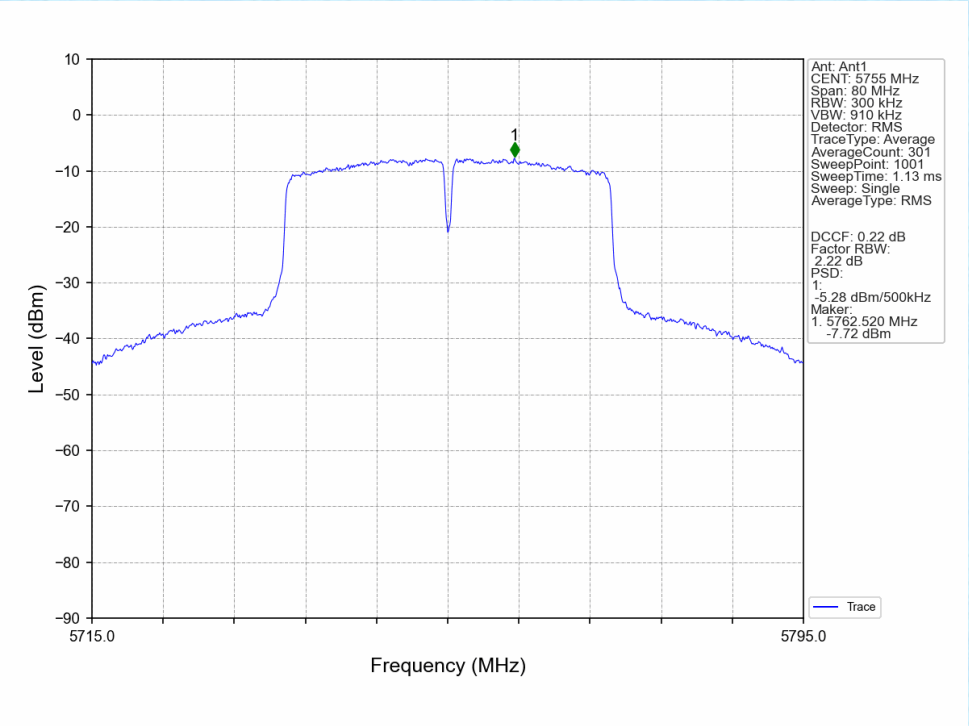
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



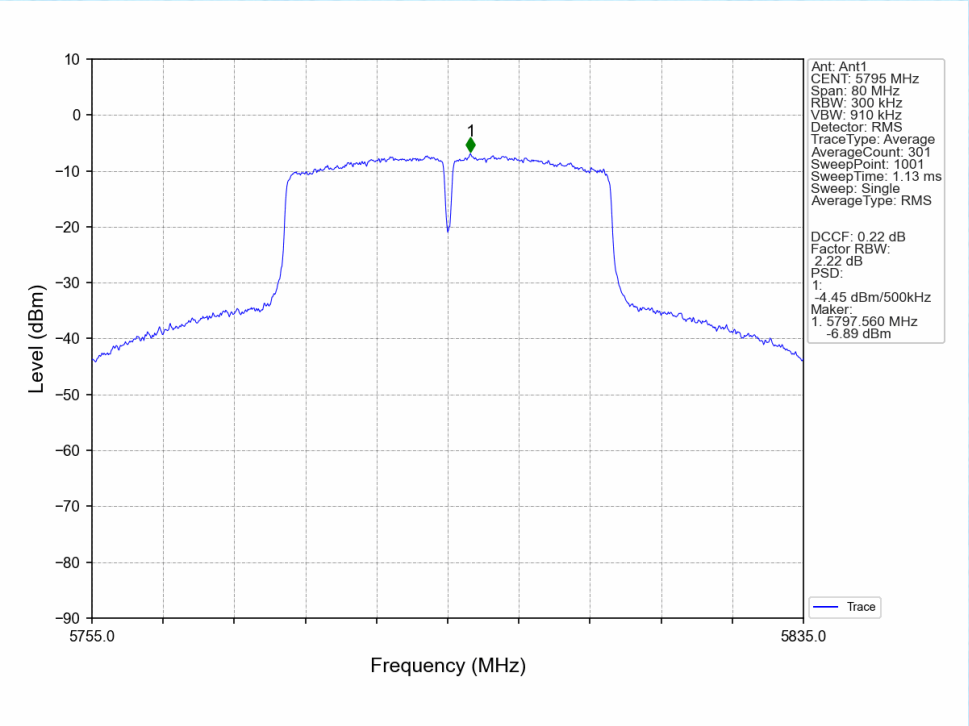
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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