

Appendix Test Data for 5G WIFI

1. Duty Cycle

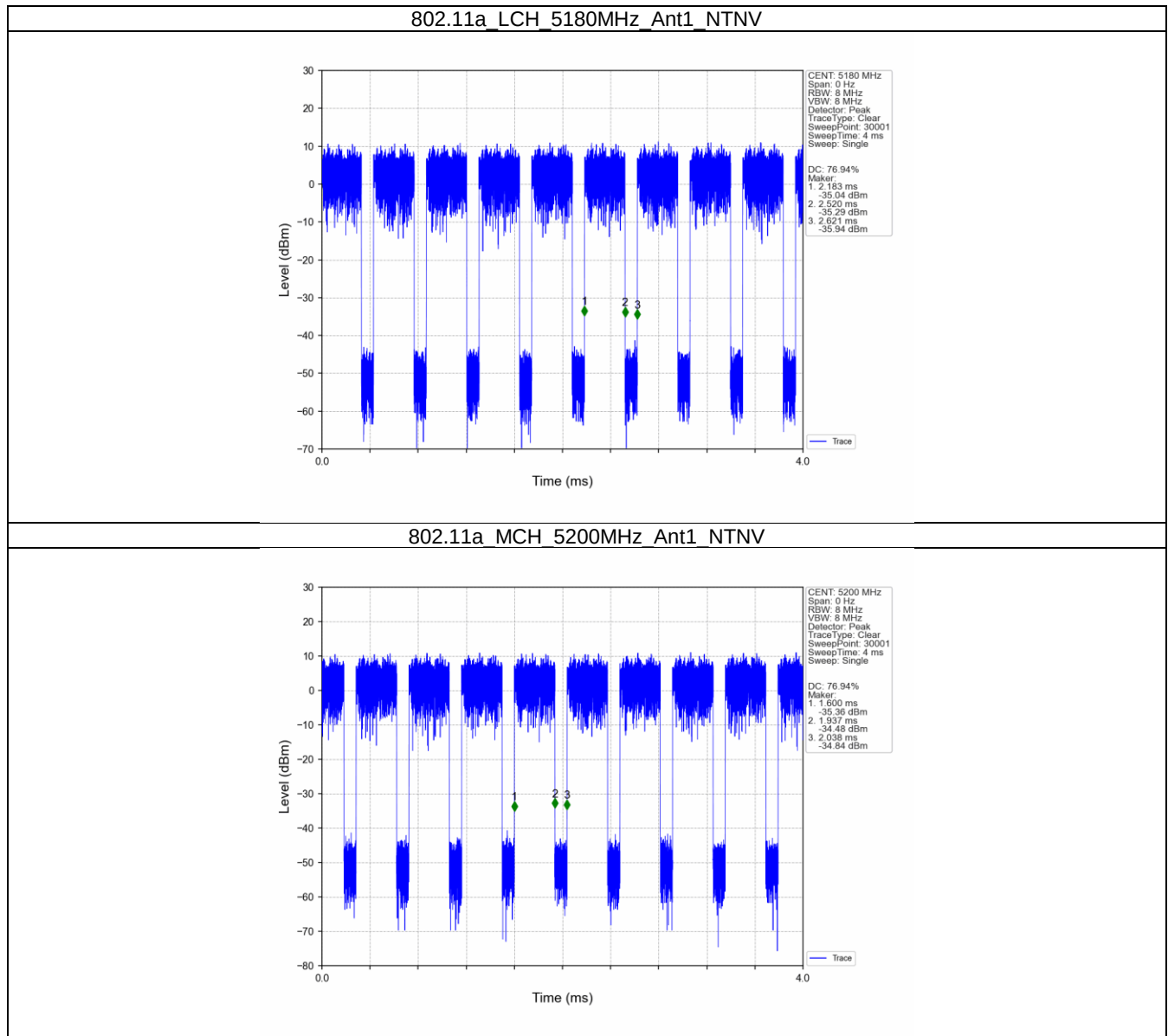
1.1 Test Result

1.1.1 Ant1

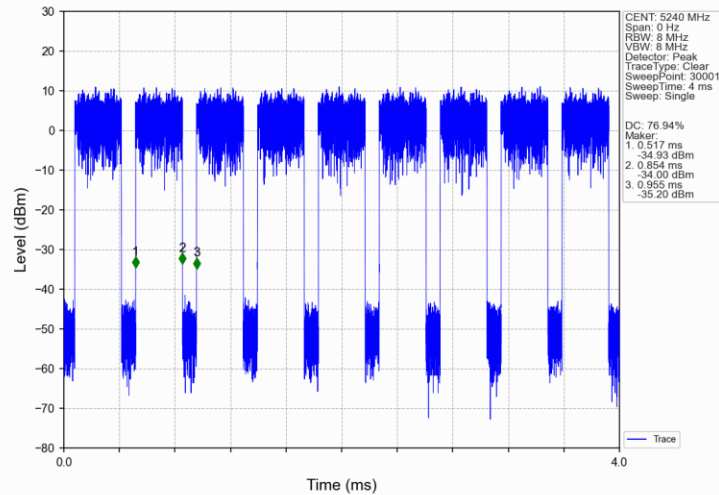
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	0.337	0.438	76.94	1.14	0.03
		5200	/	/	0.337	0.438	76.94	1.14	0.03
		5240	/	/	0.337	0.438	76.94	1.14	0.03
		5745	/	/	0.337	0.438	76.94	1.14	0.03
		5785	/	/	0.336	0.438	76.71	1.15	0.09
		5825	/	/	0.337	0.438	76.94	1.14	0.03
802.11n (HT20)	SISO	5180	/	/	0.325	0.426	76.29	1.18	0.09
		5200	/	/	0.325	0.427	76.11	1.19	0.03
		5240	/	/	0.325	0.427	76.11	1.19	0.02
		5745	/	/	0.325	0.427	76.11	1.19	0.08
		5785	/	/	0.325	0.427	76.11	1.19	0.03
		5825	/	/	0.324	0.426	76.06	1.19	0.02
802.11n (HT40)	SISO	5190	/	/	0.177	0.429	41.26	3.84	0.05
		5230	/	/	0.176	0.428	41.12	3.86	0.03
		5755	/	/	0.176	0.428	41.12	3.86	0.06
		5795	/	/	0.177	0.429	41.26	3.84	0.05
802.11ac (VHT20)	SISO	5180	/	/	0.329	0.430	76.51	1.16	0.03
		5200	/	/	0.329	0.430	76.51	1.16	0.04
		5240	/	/	0.329	0.430	76.51	1.16	0.03
		5745	/	/	0.329	0.430	76.51	1.16	0.01
		5785	/	/	0.329	0.431	76.33	1.17	0.03
		5825	/	/	0.333	0.435	76.55	1.16	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.180	0.282	63.83	1.95	0.08
		5230	/	/	0.181	0.283	63.96	1.94	0.07
		5755	/	/	0.181	0.283	63.96	1.94	0.04
		5795	/	/	0.064	0.166	38.55	4.14	25.46
802.11ax (HEW20)	SISO	5180	SU	/	0.274	0.376	72.87	1.37	0.01
		5200	SU	/	0.274	0.377	72.68	1.39	0.04
		5240	SU	/	0.274	0.376	72.87	1.37	0.05
		5745	SU	/	0.274	0.376	72.87	1.37	0.04
		5785	SU	/	0.274	0.376	72.87	1.37	0.06
		5825	SU	/	0.274	0.376	72.87	1.37	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.165	0.267	61.80	2.09	0.07
		5230	SU	/	0.165	0.267	61.80	2.09	0.04
		5755	SU	/	0.165	0.267	61.80	2.09	0.04
		5795	SU	/	0.165	0.267	61.80	2.09	0.04

1.2 Test Graph

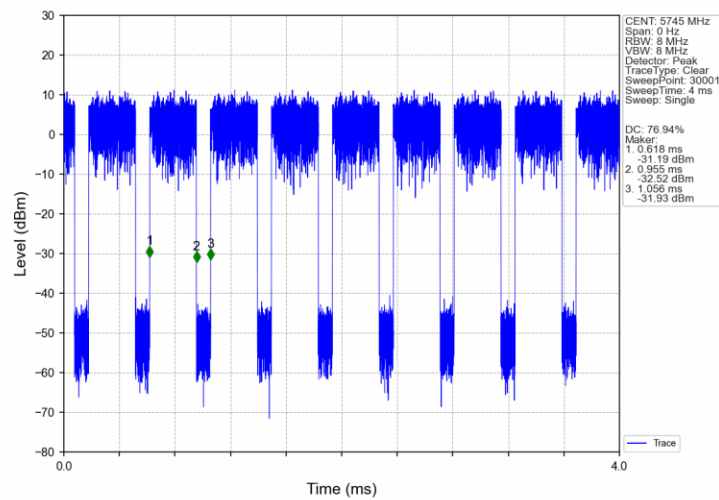
1.2.1 Ant1



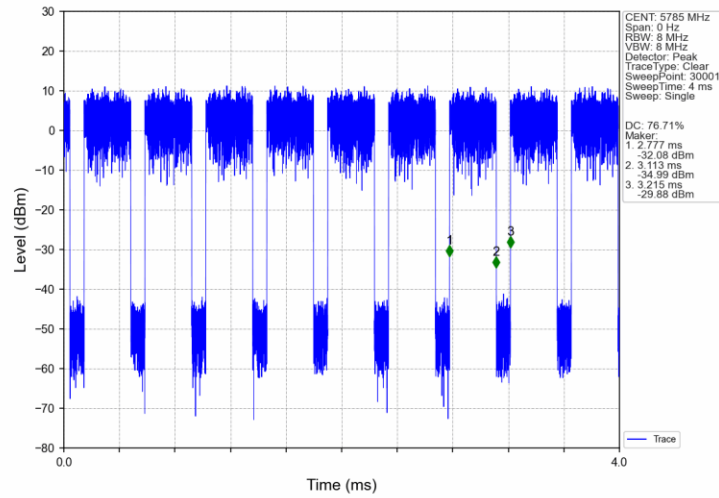
802.11a_HCH_5240MHz_Ant1_NTNV



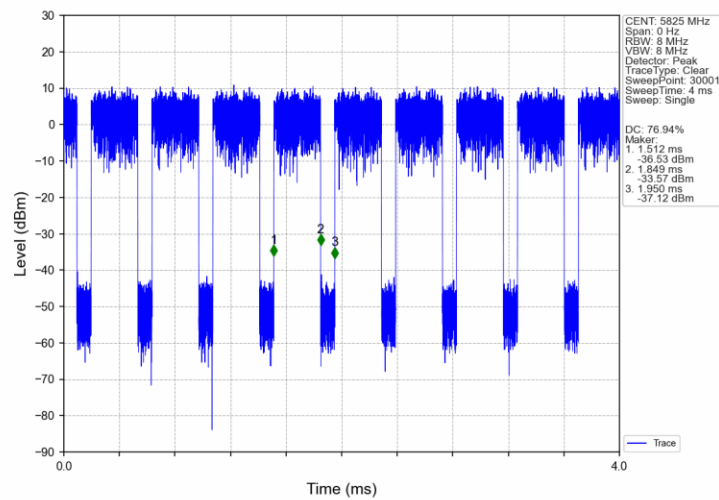
802.11a_LCH_5745MHz_Ant1_NTNV



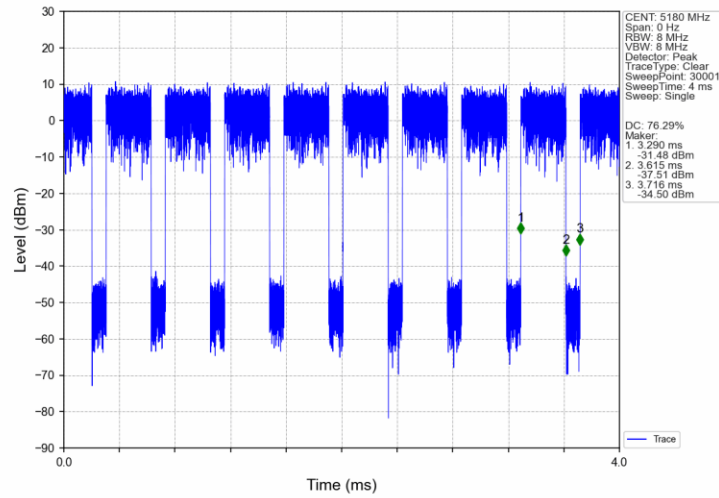
802.11a_MCH_5785MHz_Ant1_NTNV



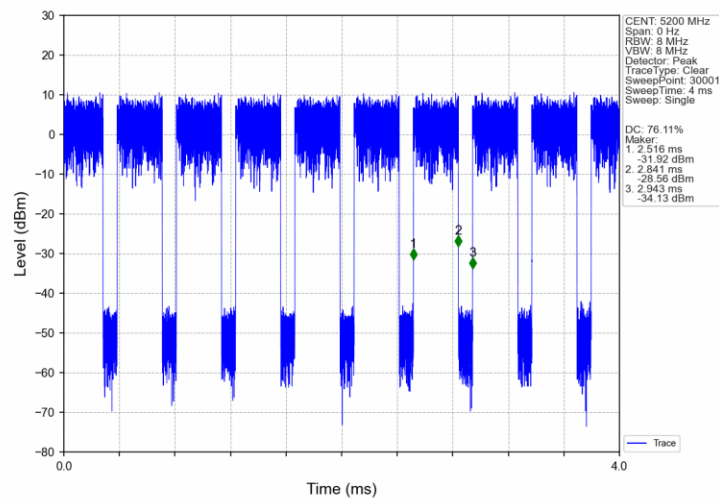
802.11a_HCH_5825MHz_Ant1_NTNV



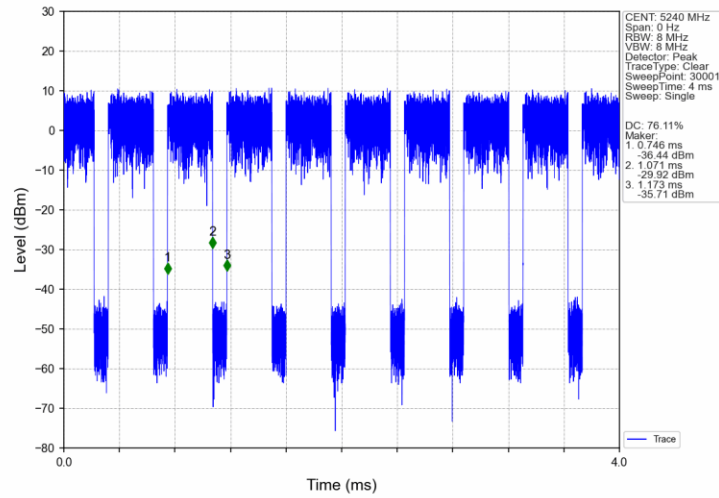
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



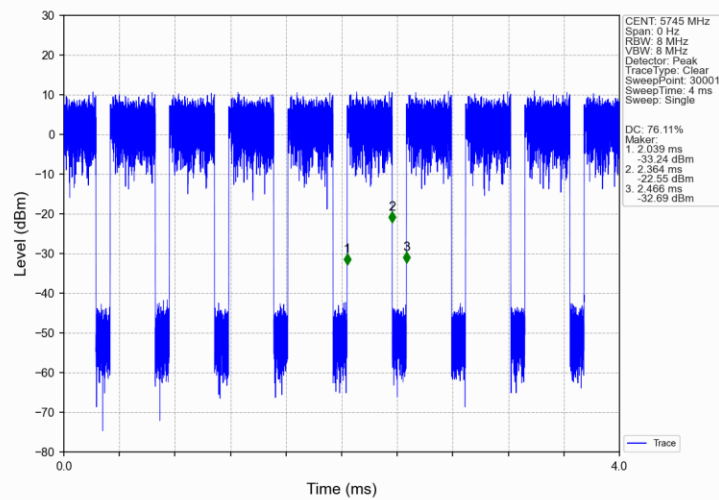
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



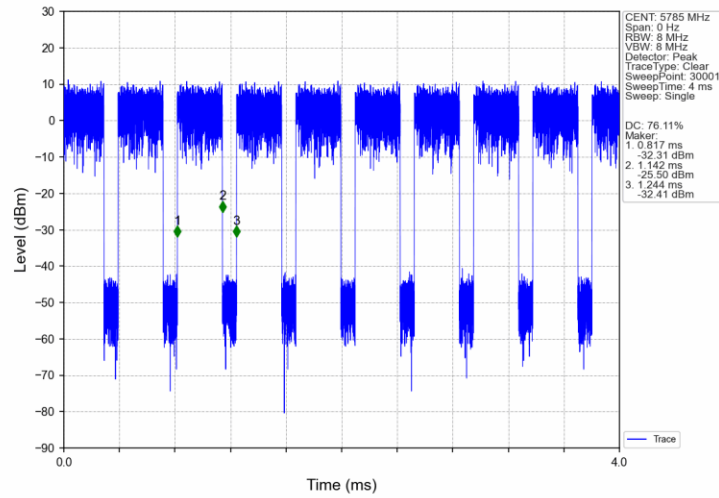
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



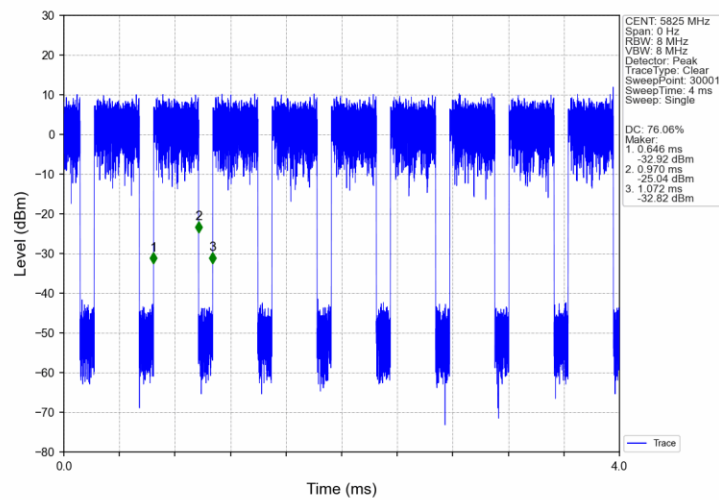
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



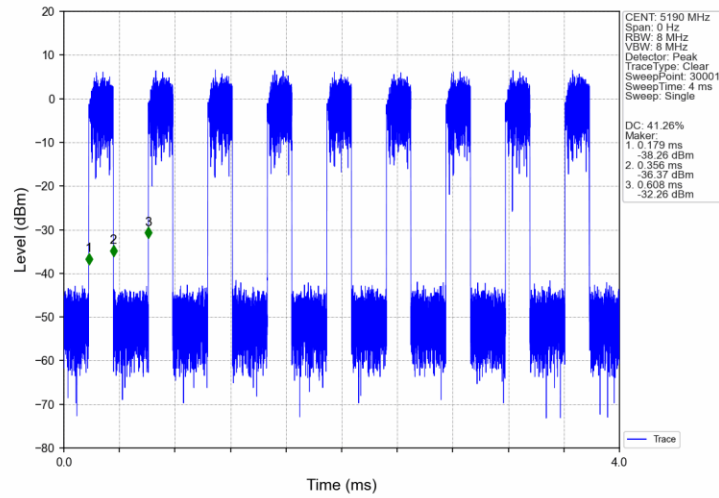
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



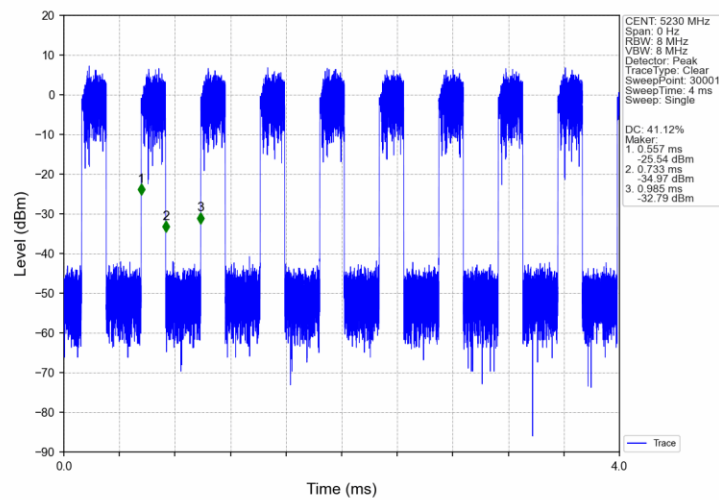
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



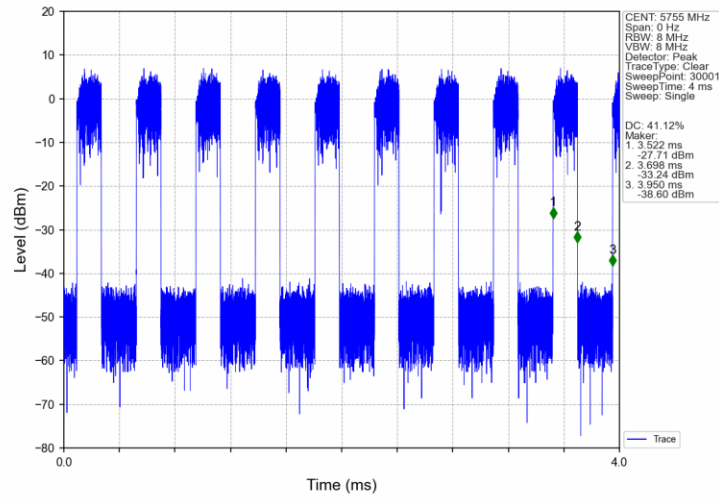
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



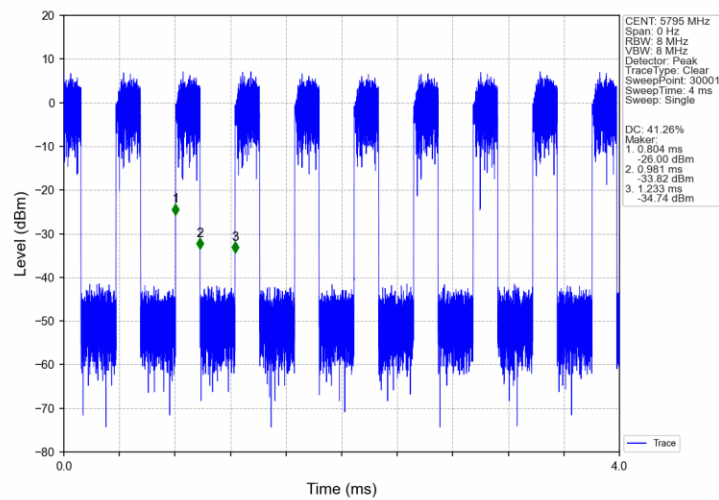
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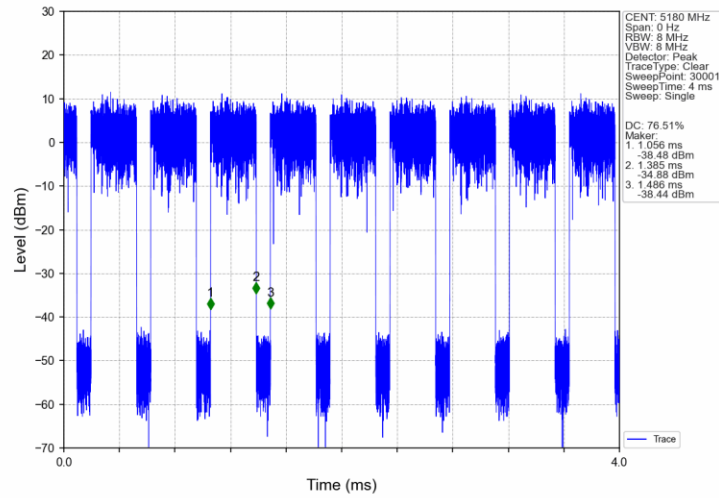
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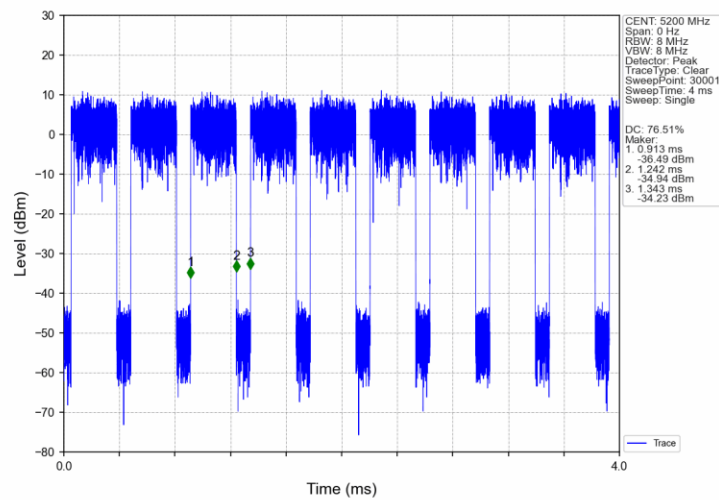
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



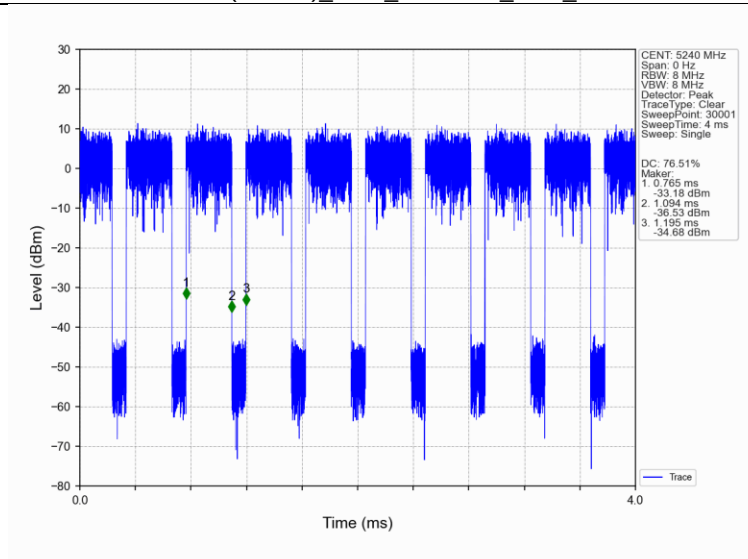
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



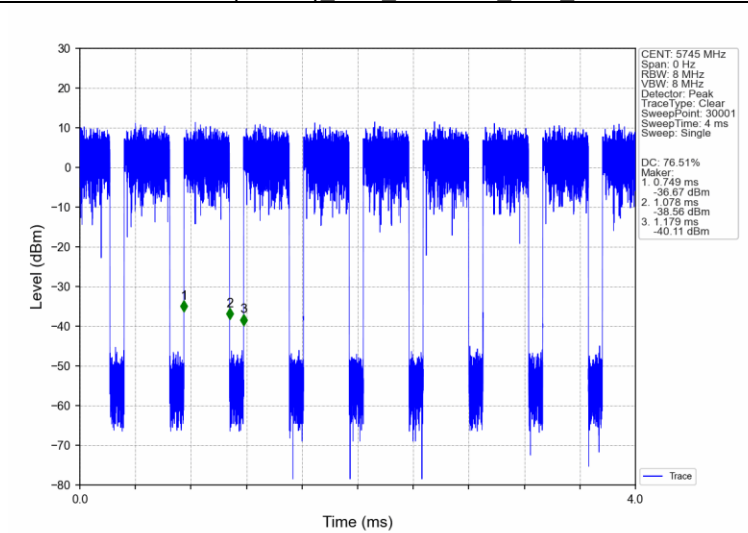
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



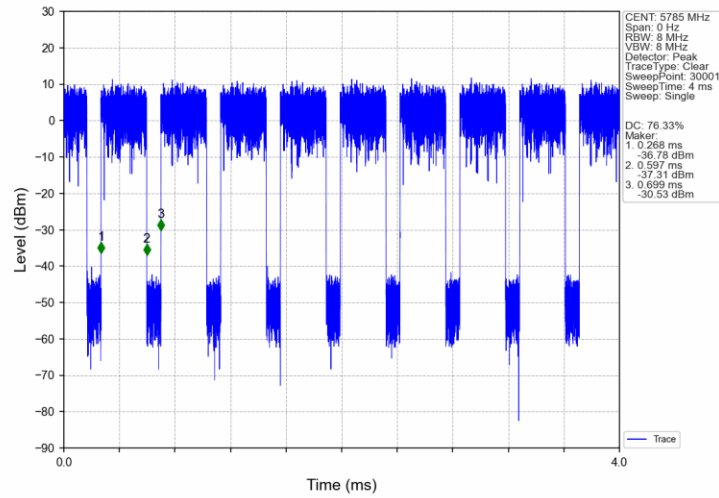
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



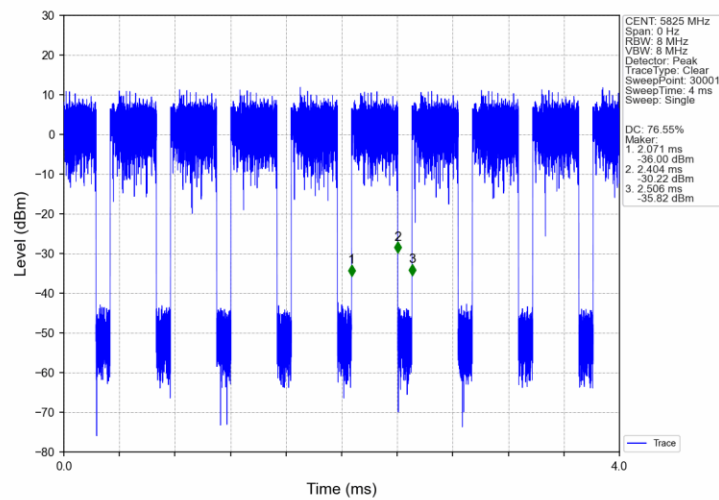
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



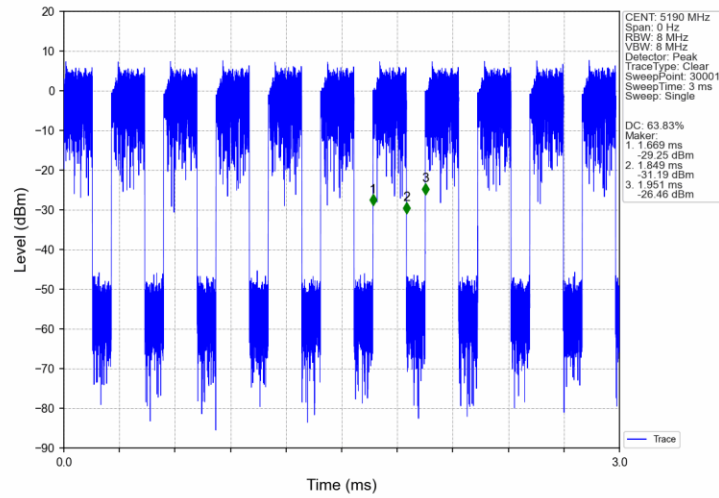
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



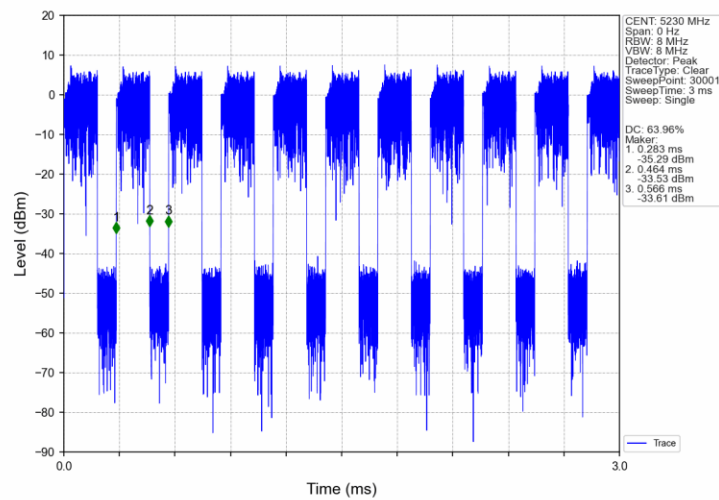
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



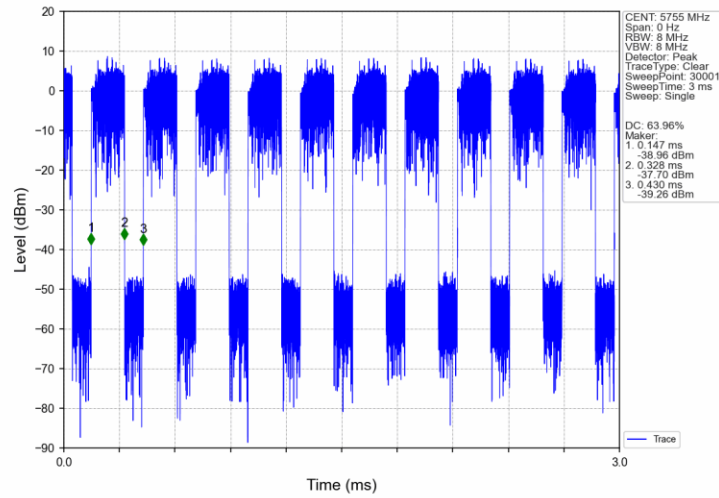
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



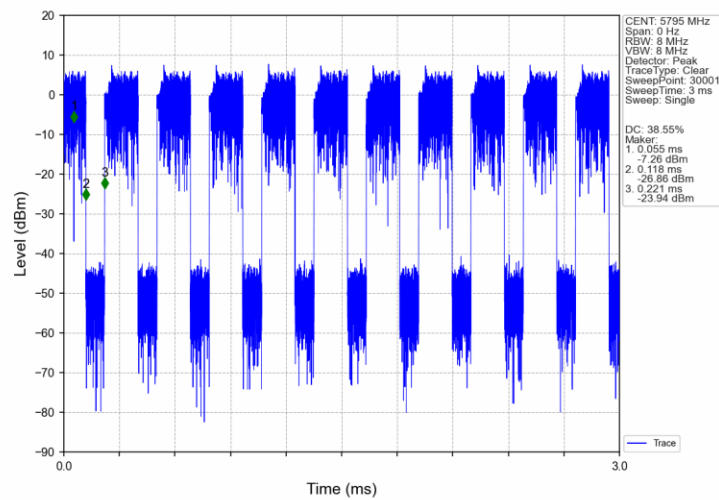
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



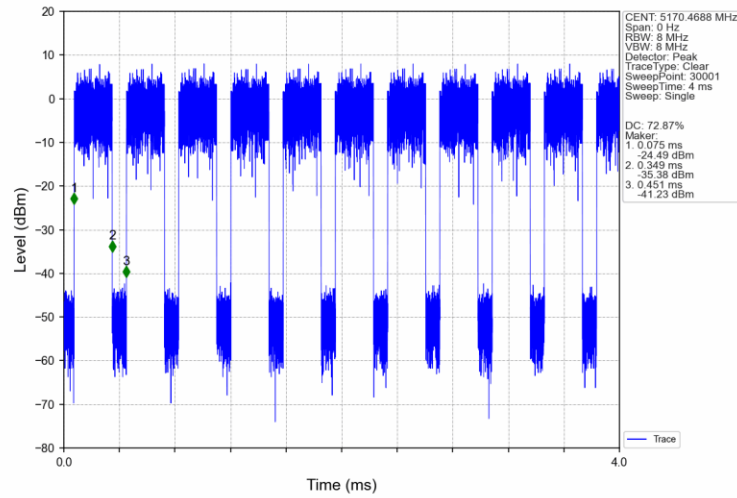
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



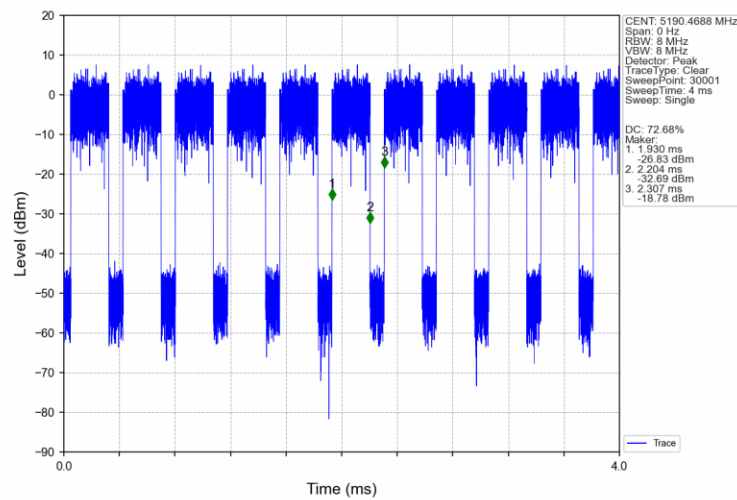
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



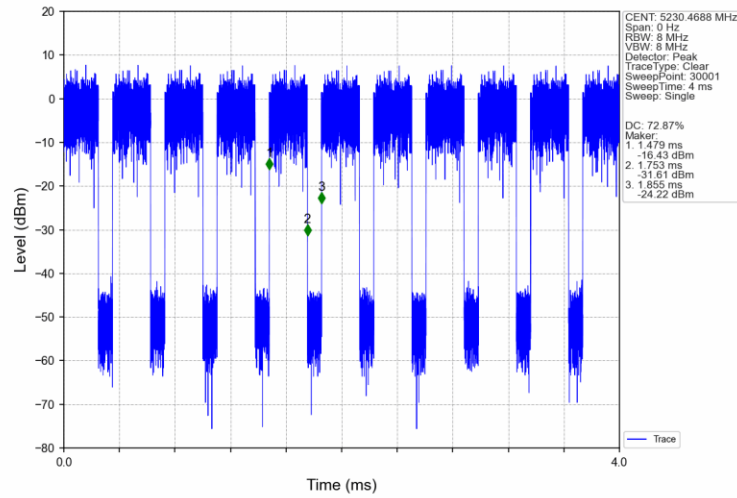
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



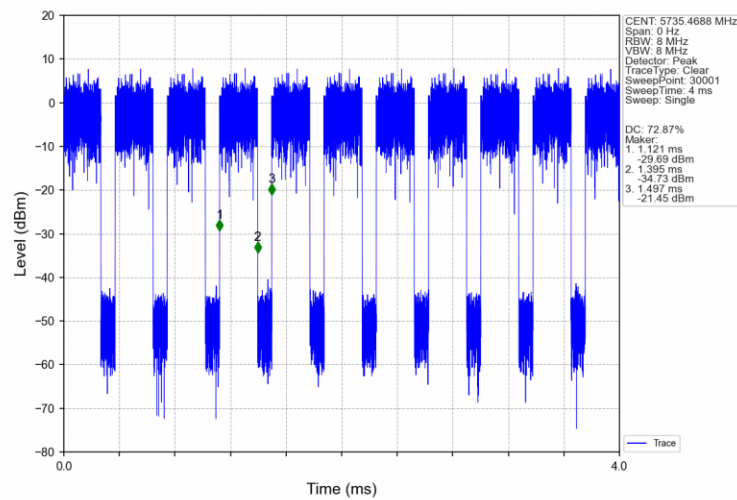
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



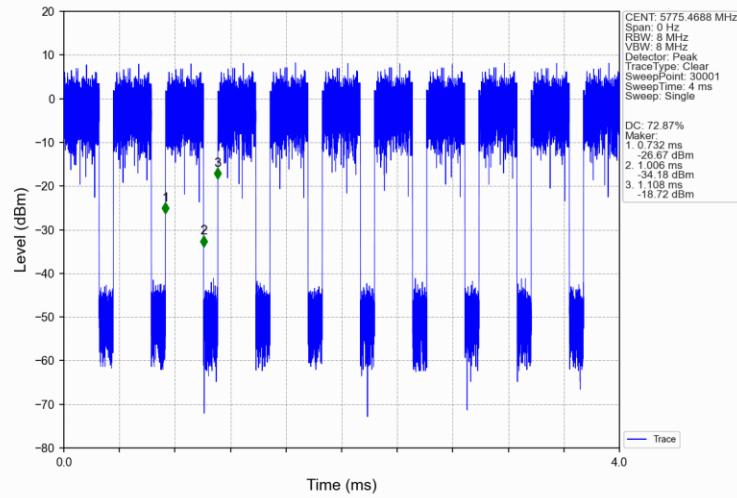
802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



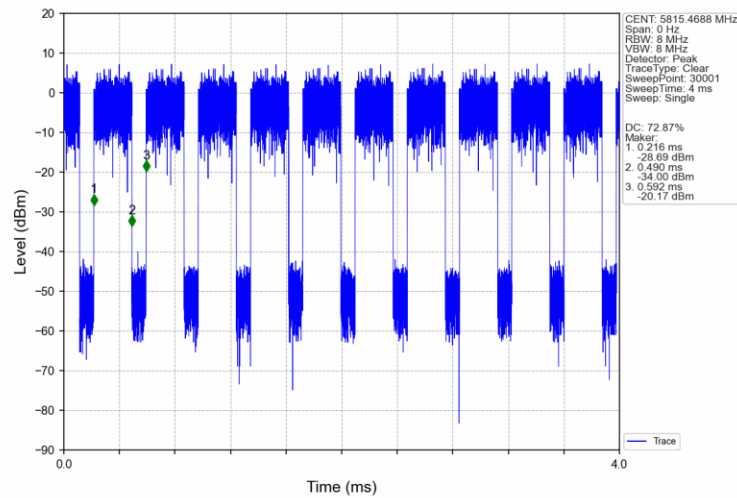
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



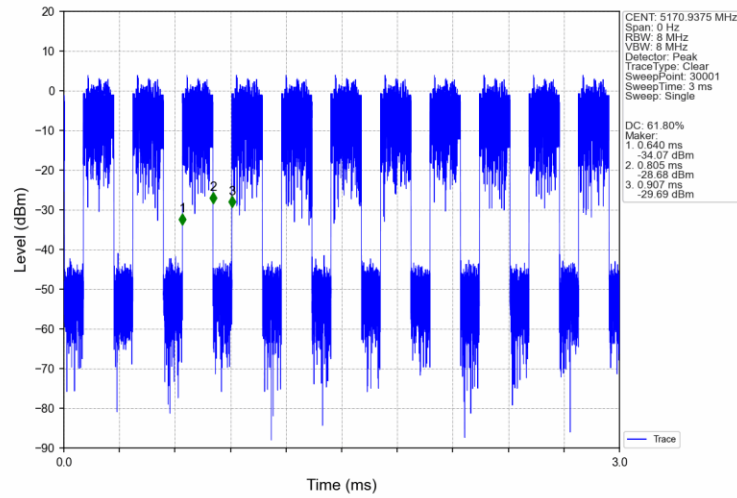
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



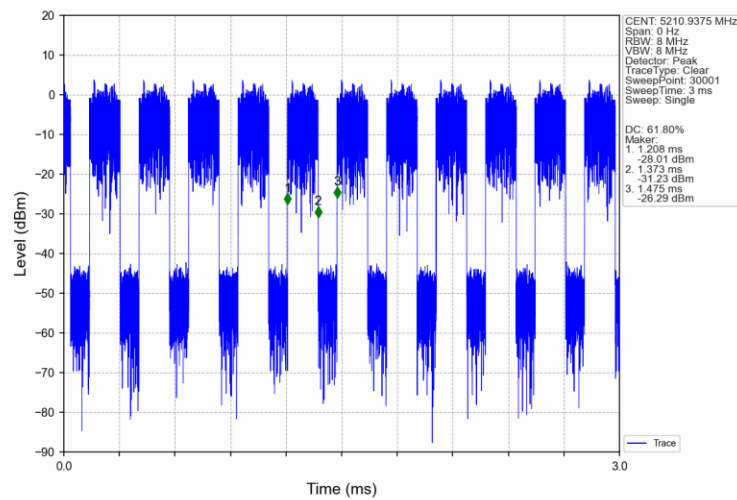
802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



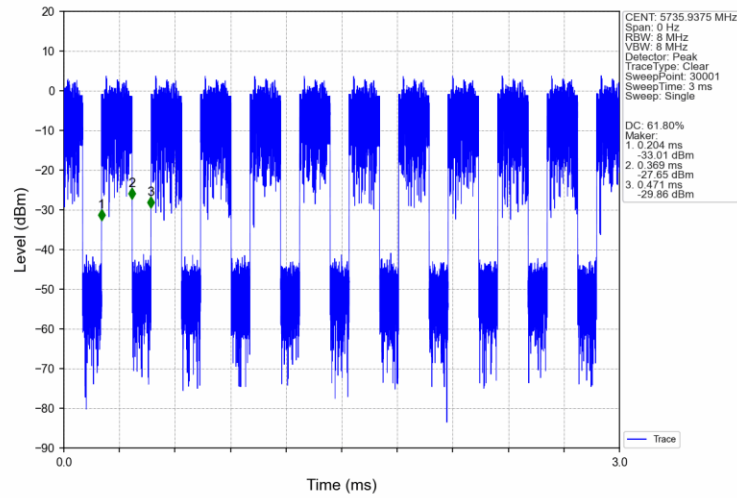
802.11ax(HEW40)_LCH_5190MHz_SU_ / _Ant1_NTNV



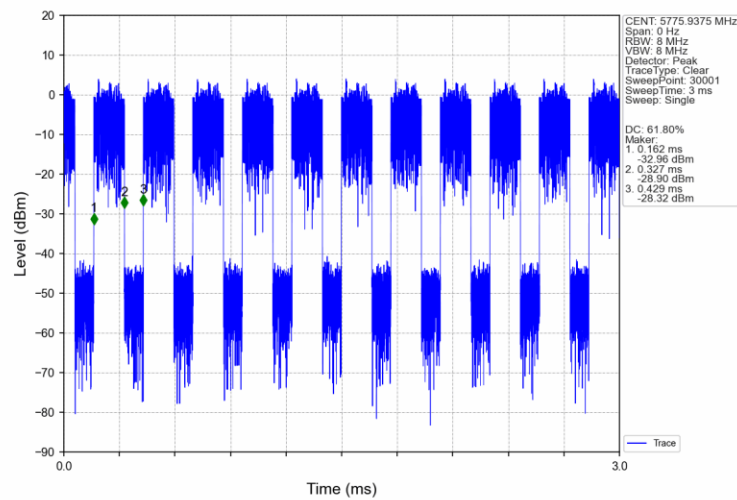
802.11ax(HEW40)_HCH_5230MHz_SU_ / _Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	16.344	/	Pass
		5200	/	/	1	16.328	/	Pass
		5240	/	/	1	16.341	/	Pass
		5745	/	/	1	16.334	/	Pass
		5785	/	/	1	16.329	/	Pass
		5825	/	/	1	16.333	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.519	/	Pass
		5200	/	/	1	17.519	/	Pass
		5240	/	/	1	17.522	/	Pass
		5745	/	/	1	17.519	/	Pass
		5785	/	/	1	17.512	/	Pass
		5825	/	/	1	17.519	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.289	/	Pass
		5230	/	/	1	36.282	/	Pass
		5755	/	/	1	36.230	/	Pass
		5795	/	/	1	36.261	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.533	/	Pass
		5200	/	/	1	17.531	/	Pass
		5240	/	/	1	17.533	/	Pass
		5745	/	/	1	17.520	/	Pass
		5785	/	/	1	17.524	/	Pass
		5825	/	/	1	17.533	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.178	/	Pass
		5230	/	/	1	36.154	/	Pass
		5755	/	/	1	36.153	/	Pass
		5795	/	/	1	36.132	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	18.891	/	Pass
		5200	SU	/	1	18.890	/	Pass
		5240	SU	/	1	18.888	/	Pass
		5745	SU	/	1	18.864	/	Pass
		5785	SU	/	1	18.899	/	Pass
		5825	SU	/	1	18.900	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	37.771	/	Pass
		5230	SU	/	1	37.807	/	Pass
		5755	SU	/	1	37.748	/	Pass
		5795	SU	/	1	37.820	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	18.247	/	Pass
		5200	/	/	1	18.240	/	Pass
		5240	/	/	1	18.296	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	19.258	/	Pass
		5200	/	/	1	19.327	/	Pass

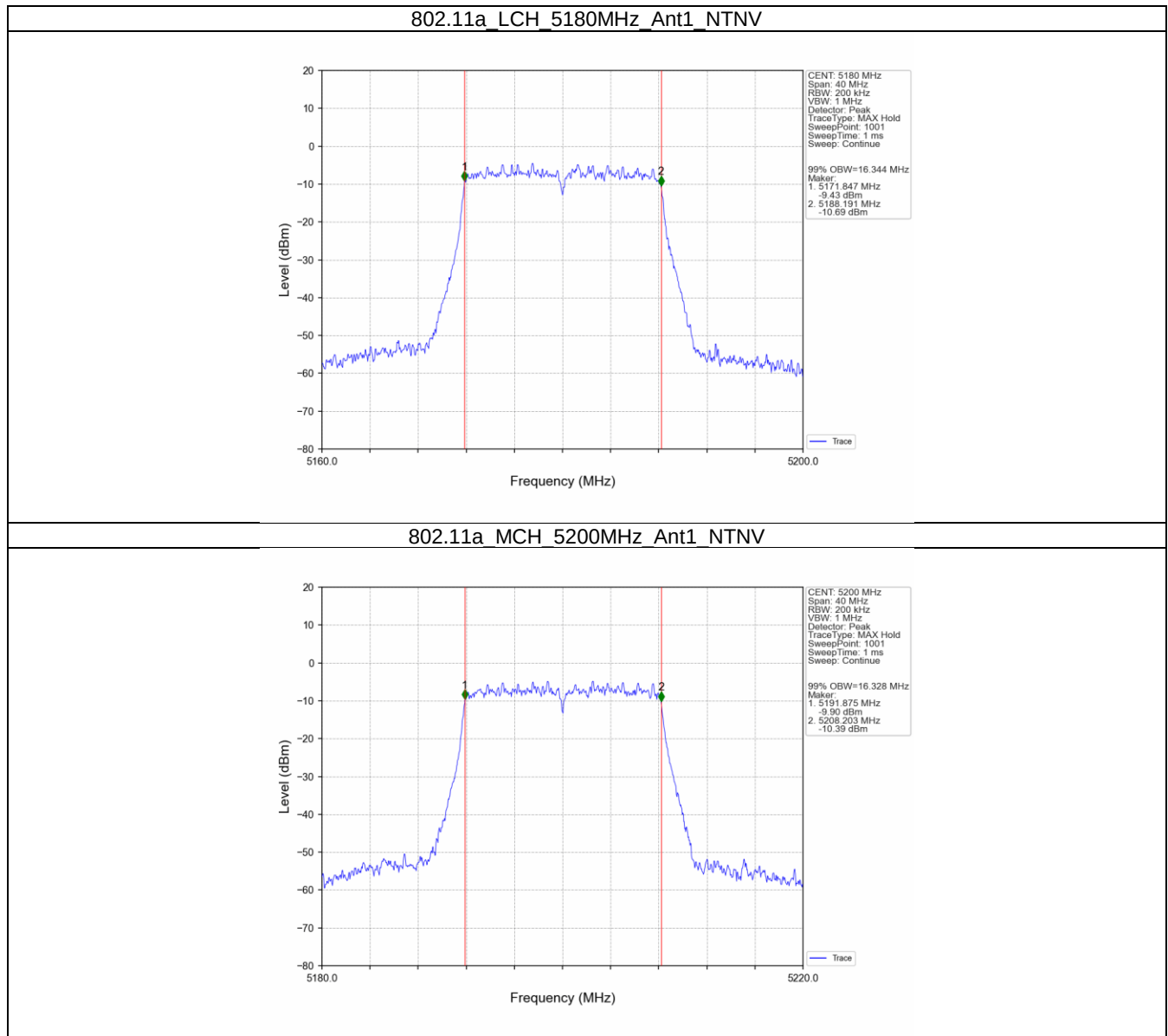
		5240	/	/	1	19.356	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	39.697	/	Pass
		5230	/	/	1	40.057	/	Pass
		5180	/	/	1	19.256	/	Pass
802.11ac (VHT20)	SISO	5200	/	/	1	19.321	/	Pass
		5240	/	/	1	19.312	/	Pass
		5190	/	/	1	39.744	/	Pass
802.11ac (VHT40)	SISO	5230	/	/	1	39.816	/	Pass
		5180	SU	/	1	20.420	/	Pass
		5200	SU	/	1	20.523	/	Pass
802.11ax (HEW20)	SISO	5240	SU	/	1	20.411	/	Pass
		5190	SU	/	1	40.646	/	Pass
		5230	SU	/	1	40.654	/	Pass

2.1.3 6dB BW

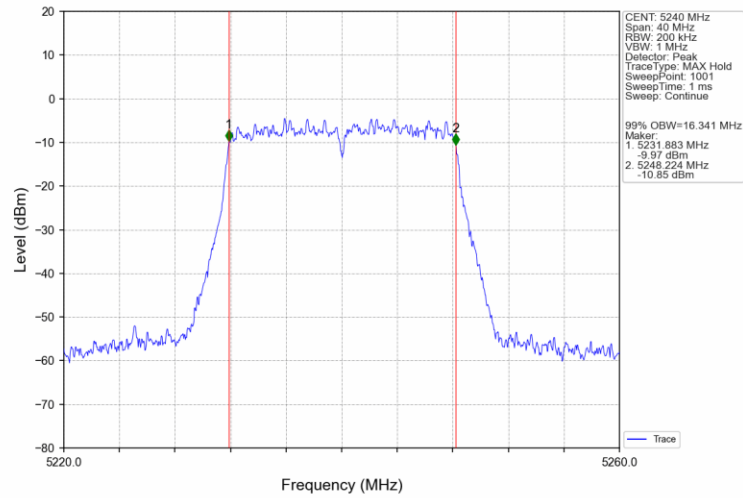
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.312	>=0.5	Pass
		5785	/	/	1	16.350	>=0.5	Pass
		5825	/	/	1	16.336	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	15.983	>=0.5	Pass
		5785	/	/	1	16.939	>=0.5	Pass
		5825	/	/	1	16.698	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.215	>=0.5	Pass
		5795	/	/	1	35.469	>=0.5	Pass
		5745	/	/	1	17.052	>=0.5	Pass
802.11ac (VHT20)	SISO	5785	/	/	1	17.291	>=0.5	Pass
		5825	/	/	1	16.872	>=0.5	Pass
		5755	/	/	1	35.201	>=0.5	Pass
802.11ac (VHT40)	SISO	5795	/	/	1	35.529	>=0.5	Pass
		5745	SU	/	1	18.080	>=0.5	Pass
		5785	SU	/	1	18.377	>=0.5	Pass
802.11ax (HEW20)	SISO	5825	SU	/	1	18.356	>=0.5	Pass
		5755	SU	/	1	37.710	>=0.5	Pass
		5795	SU	/	1	37.696	>=0.5	Pass

2.2 Test Graph

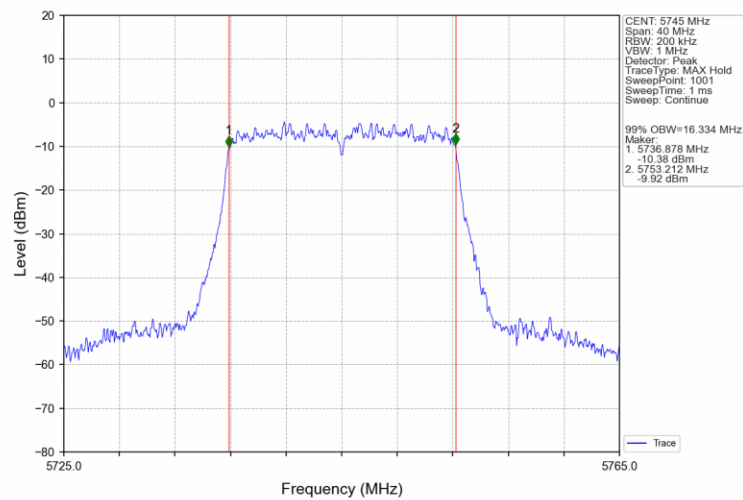
2.2.1 OBW



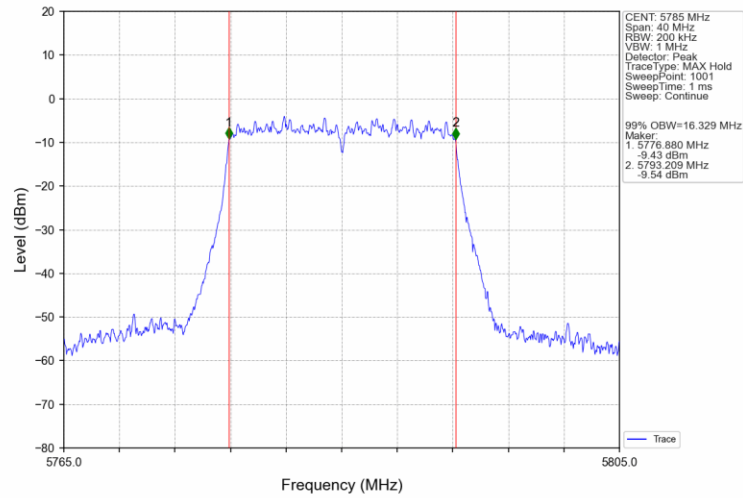
802.11a_HCH_5240MHz_Ant1_NTNV



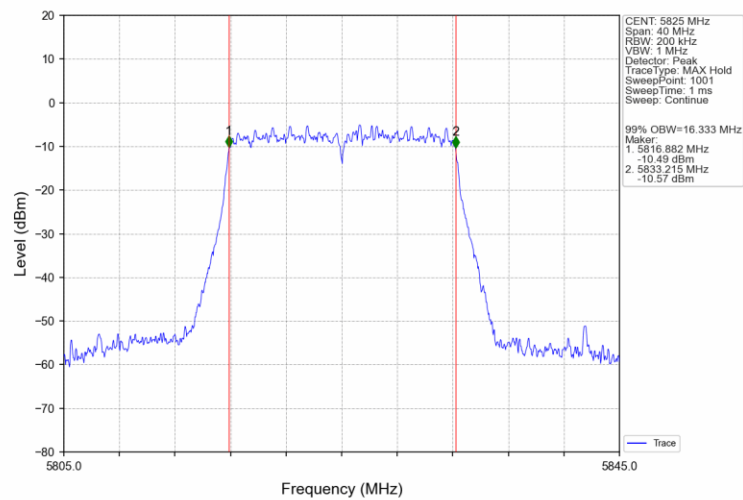
802.11a_LCH_5745MHz_Ant1_NTNV



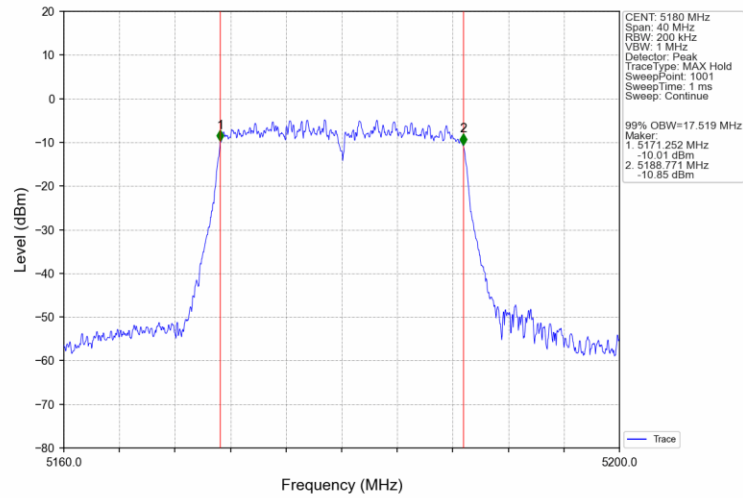
802.11a_MCH_5785MHz_Ant1_NTNV



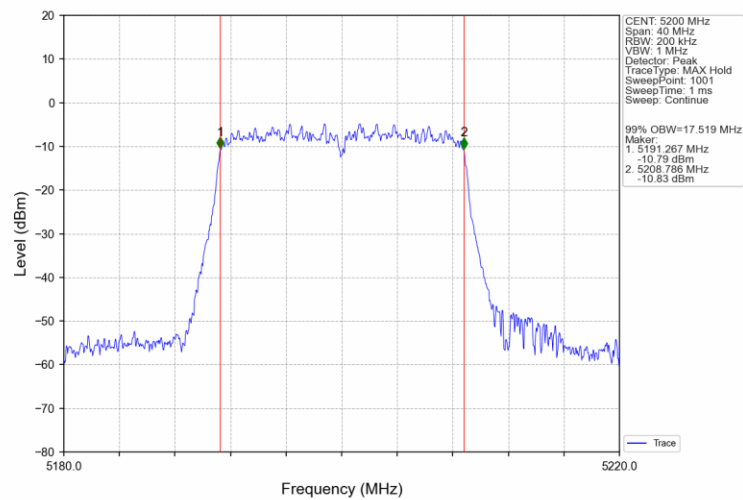
802.11a_HCH_5825MHz_Ant1_NTNV



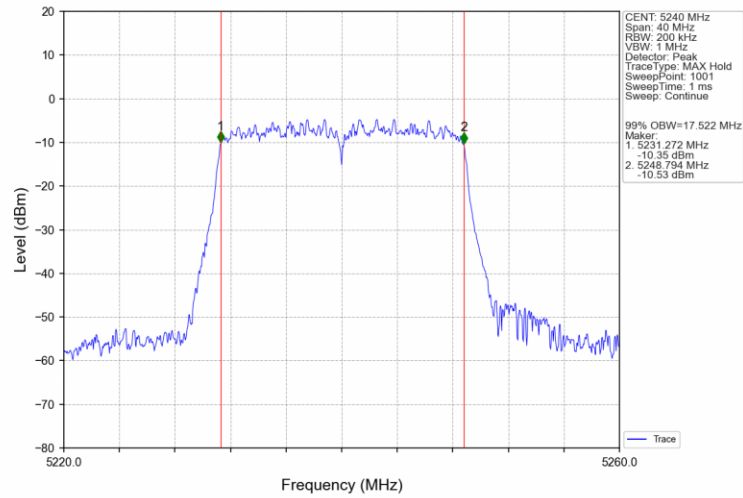
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



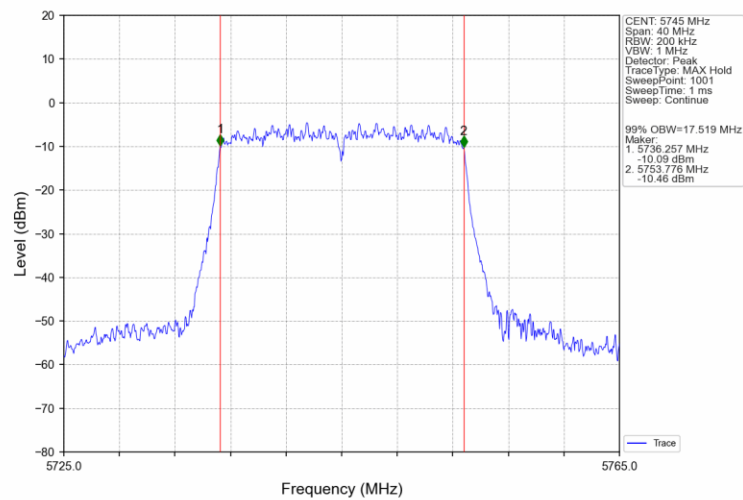
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



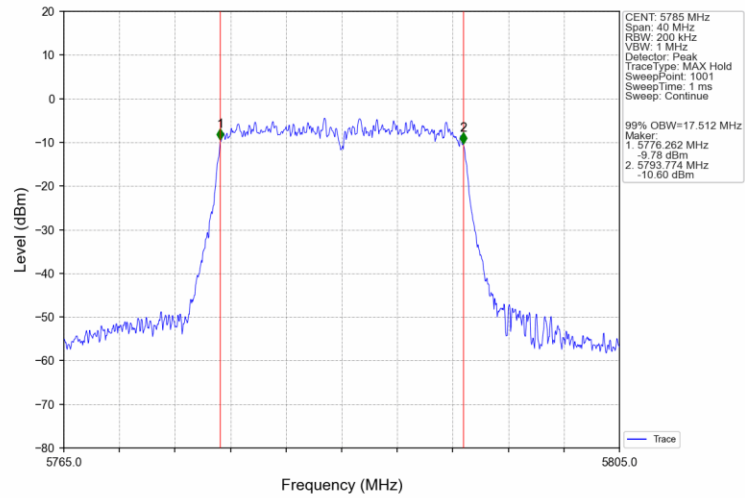
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



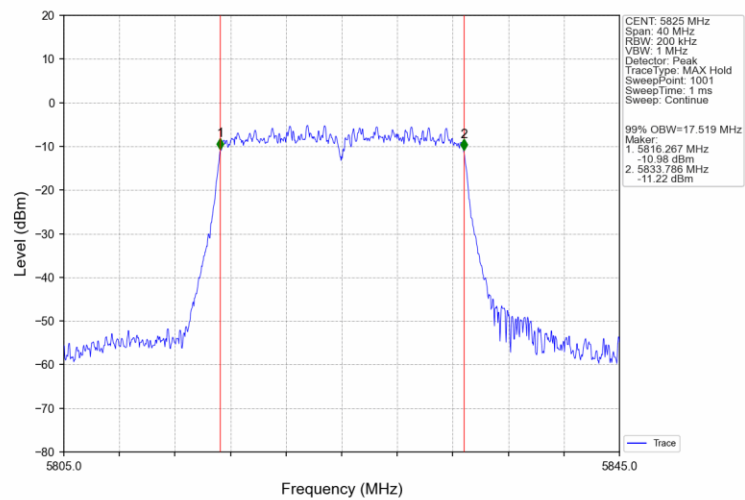
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



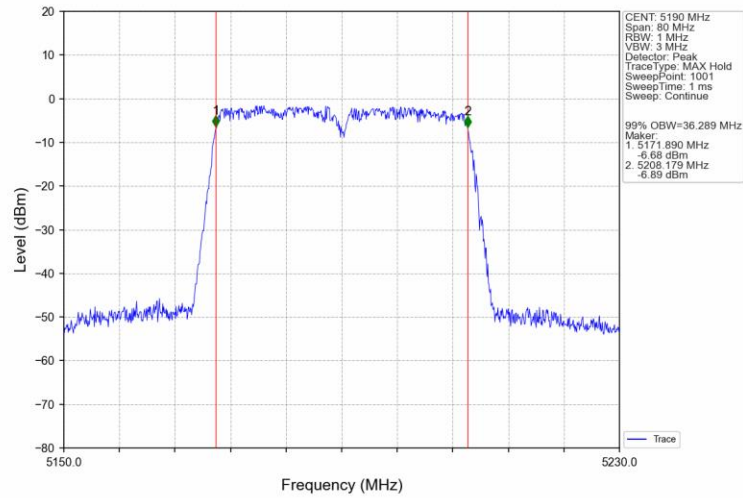
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



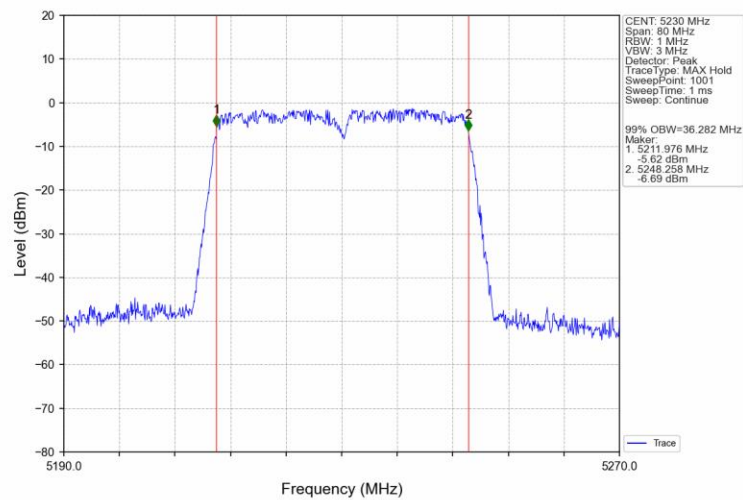
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



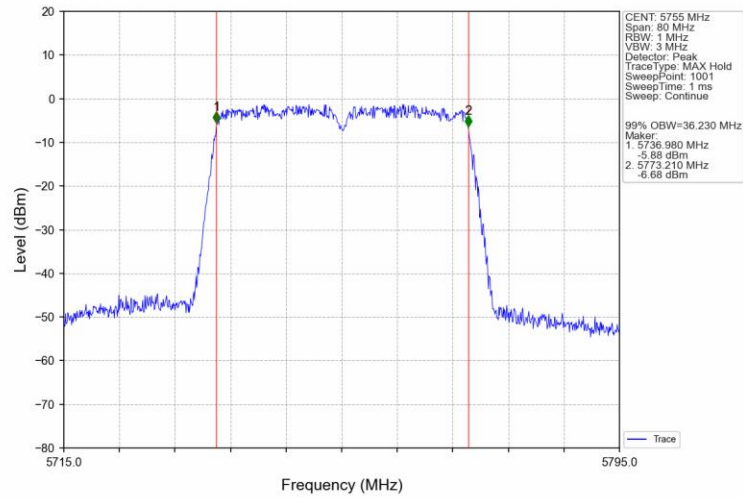
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



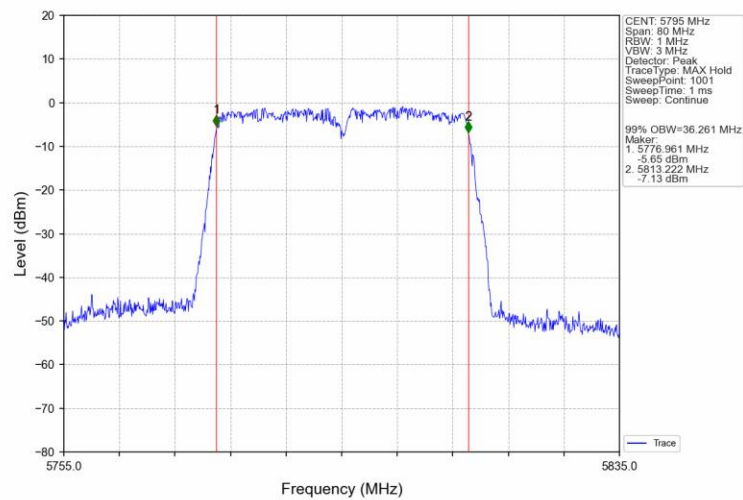
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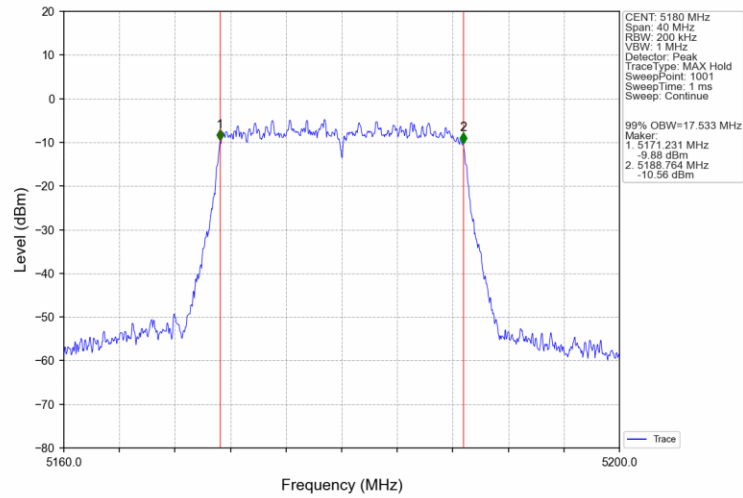
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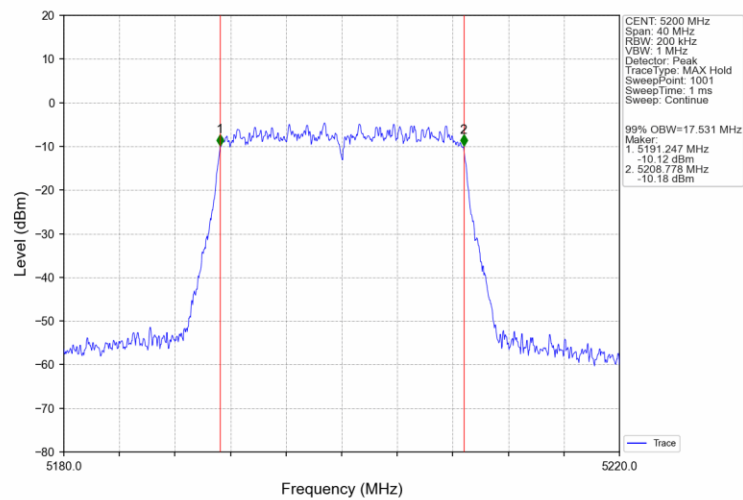
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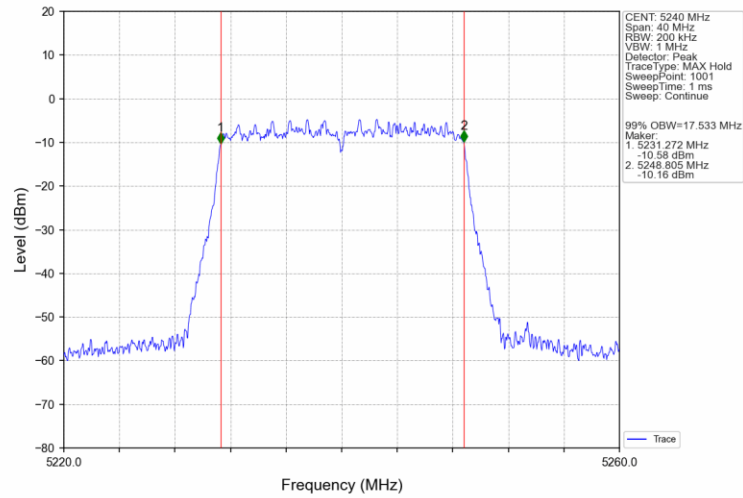
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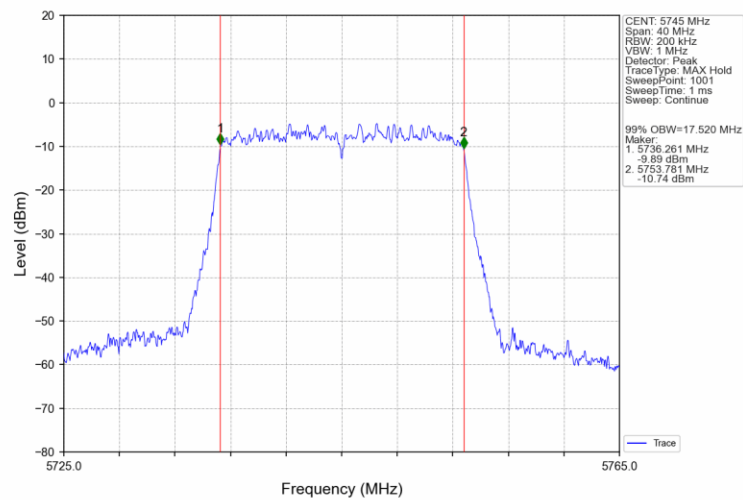
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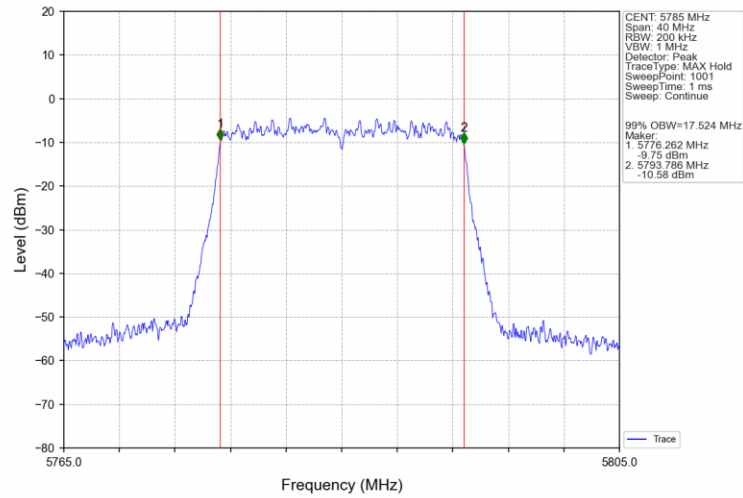
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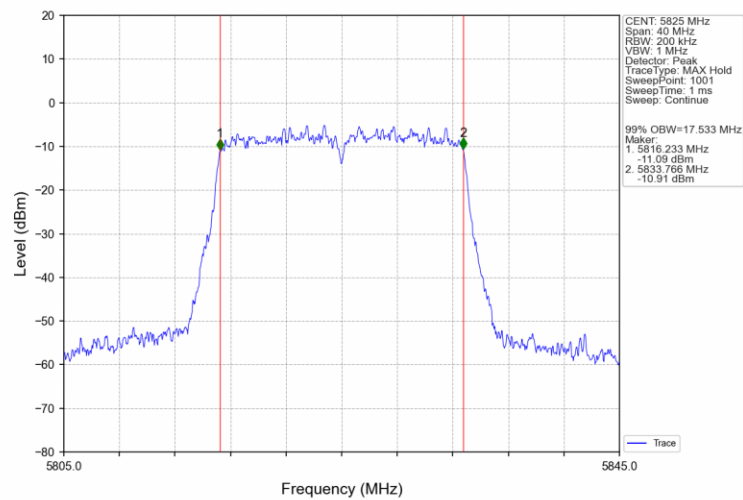
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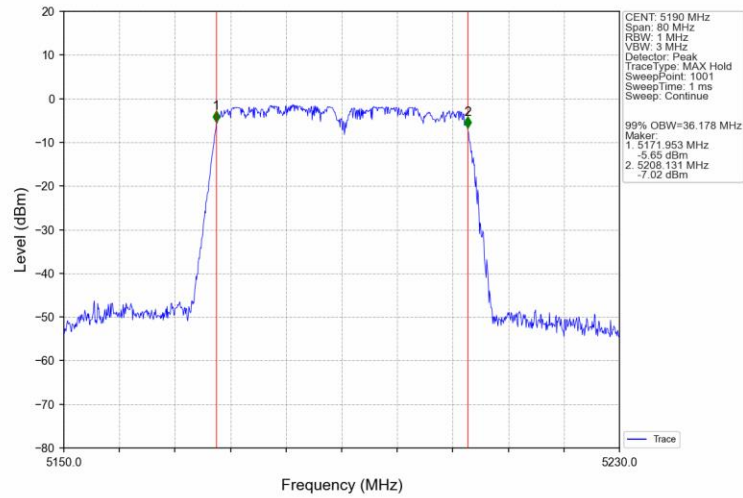
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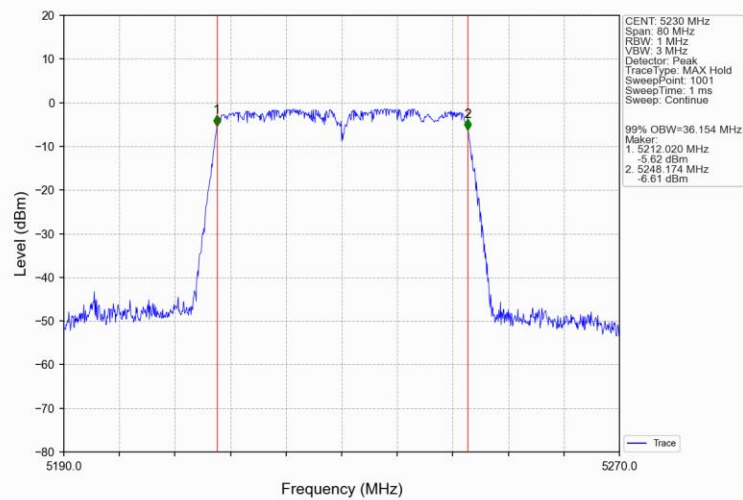
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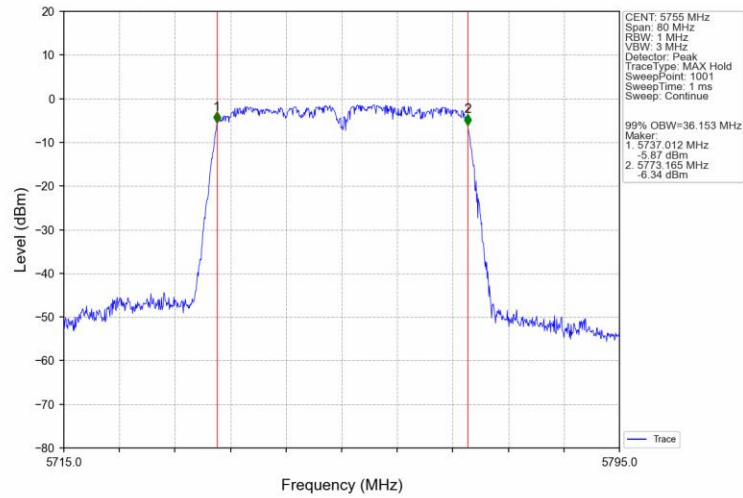
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



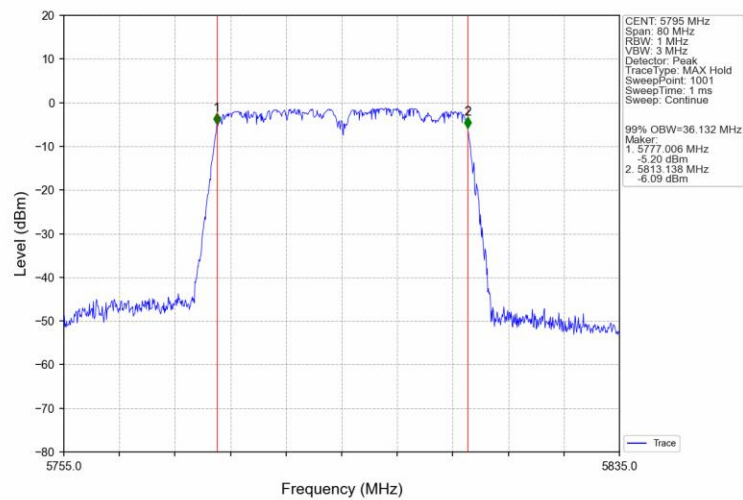
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



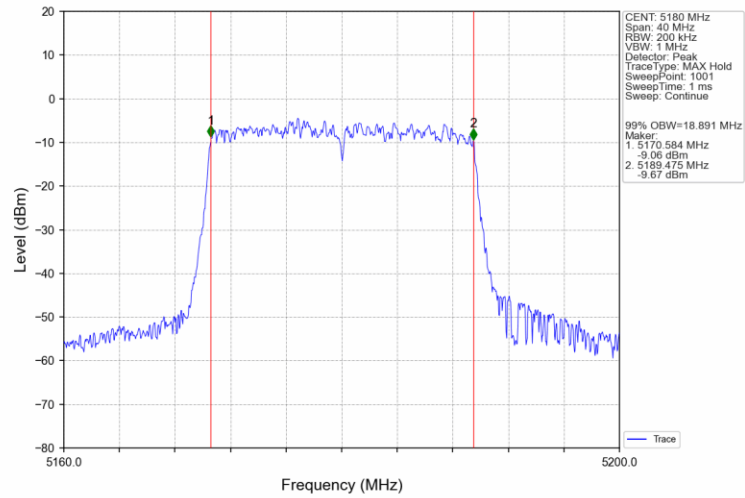
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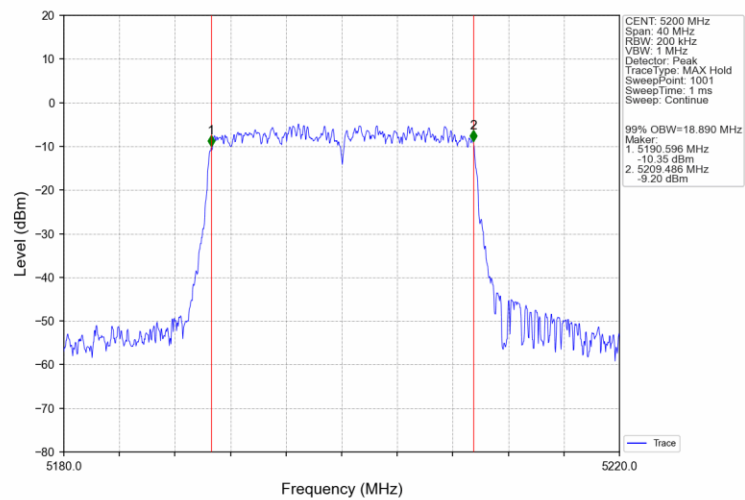
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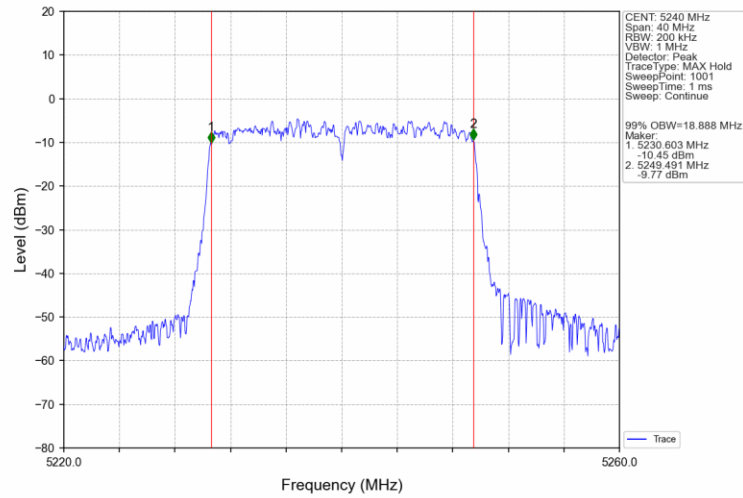
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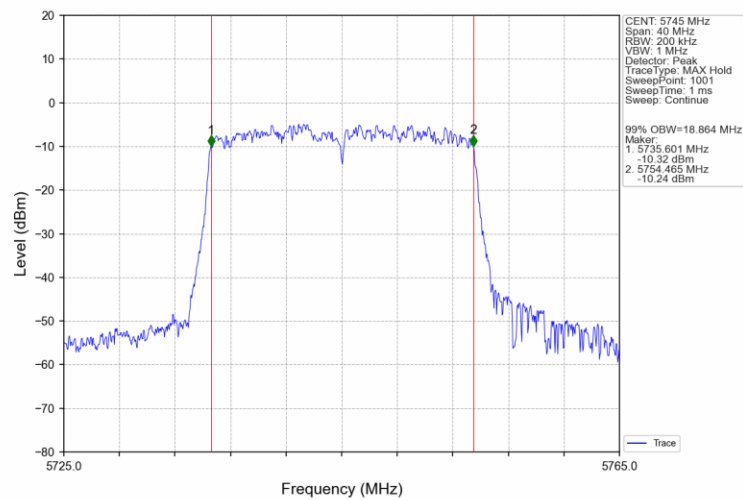
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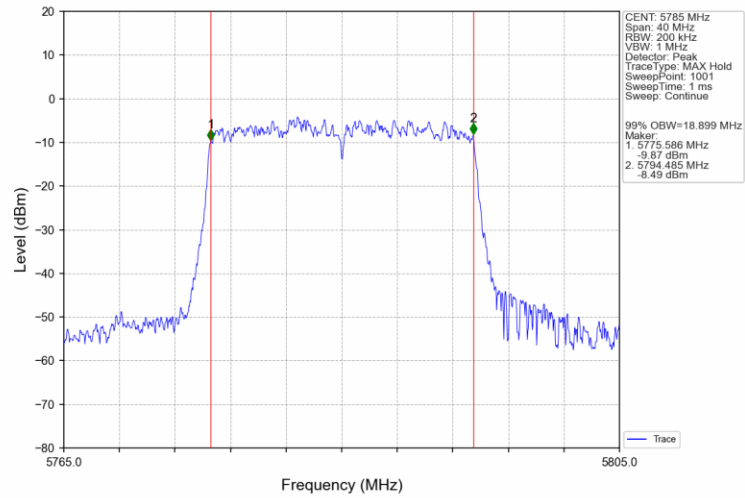
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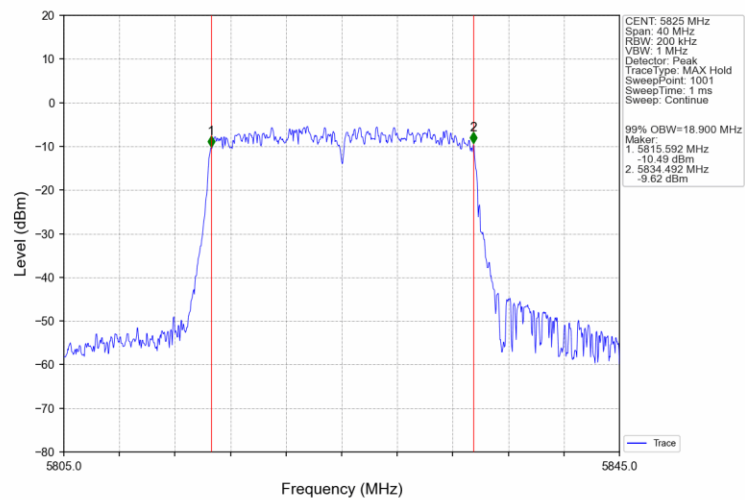
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



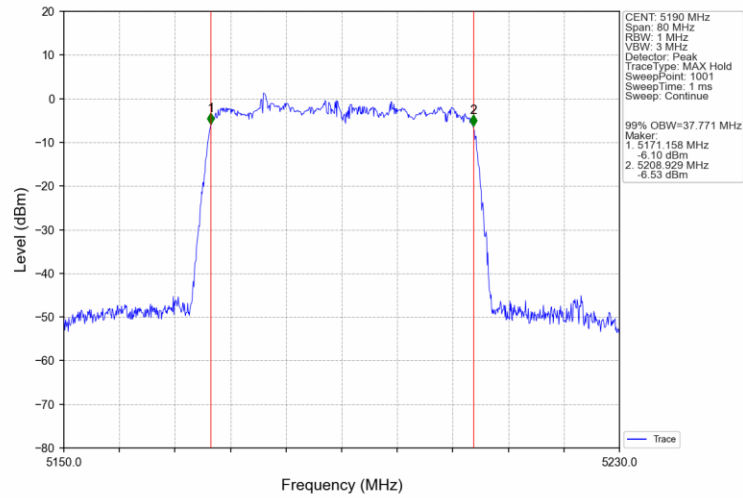
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV

