

1. Duty Cycle

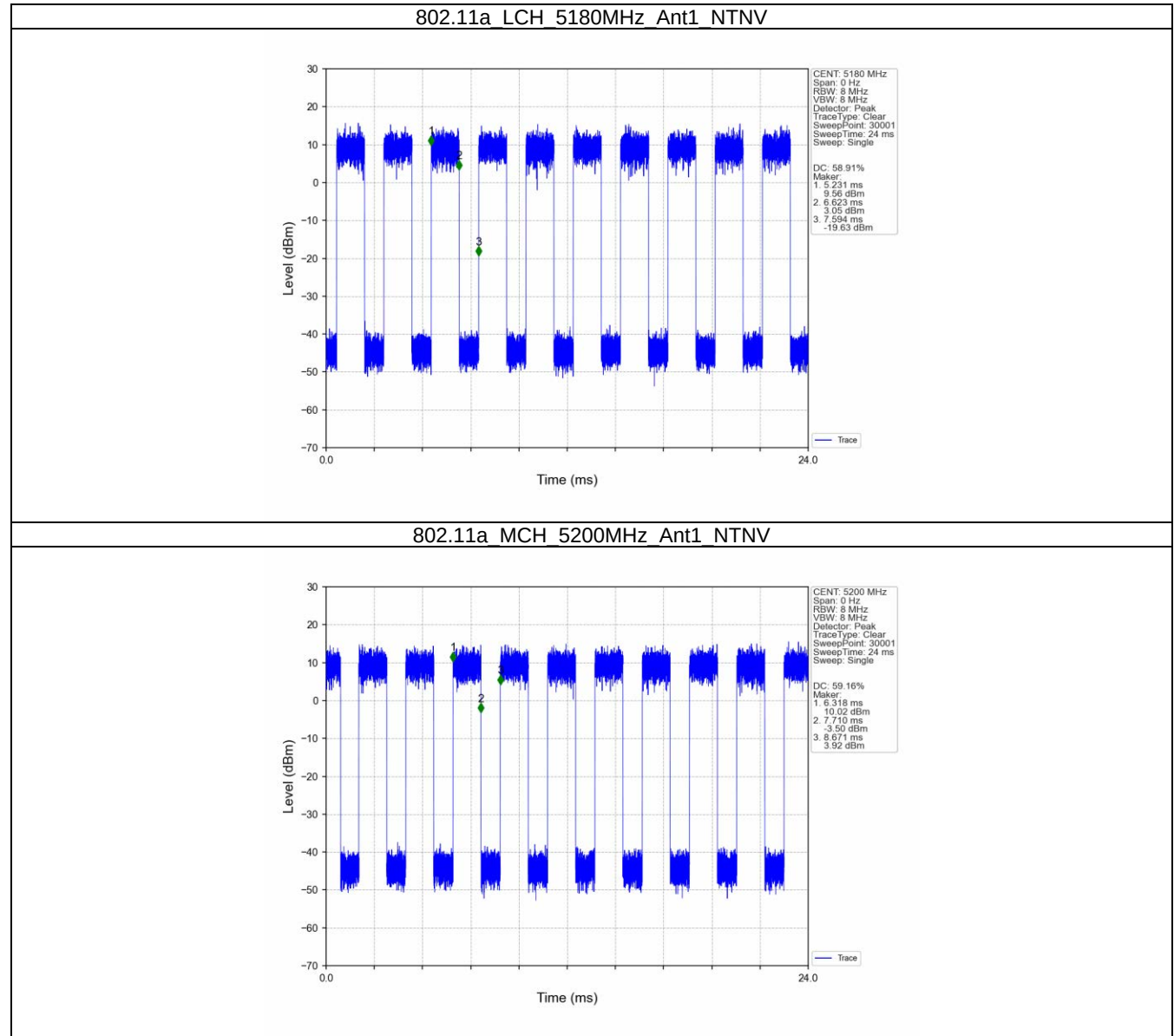
1.1 Test Result

1.1.1 Ant1

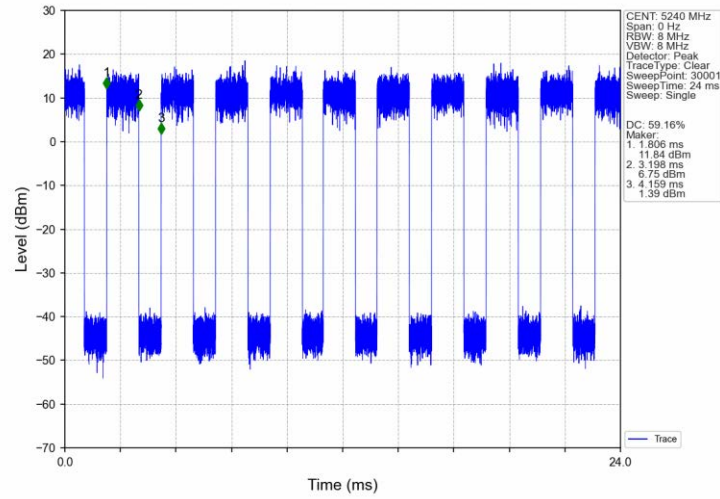
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.392	2.363	58.91	2.30	0.25
		5200	1.392	2.353	59.16	2.28	0.48
		5240	1.392	2.353	59.16	2.28	1.65
		5745	1.392	2.354	59.13	2.28	1.41
		5785	1.392	2.353	59.16	2.28	0.01
		5825	1.393	2.372	58.73	2.31	0.68
802.11n (HT20)	MIMO	5180	1.308	2.270	57.62	2.39	0.26
		5200	1.308	2.305	56.75	2.46	1.11
		5240	1.308	2.306	56.72	2.46	0.92
		5745	1.289	2.286	56.39	2.49	2.54
		5785	1.289	2.259	57.06	2.44	0.29
		5825	1.288	2.250	57.24	2.42	0.26
802.11n (HT40)	MIMO	5190	0.653	1.614	40.46	3.93	0.25
		5230	0.653	1.704	38.32	4.17	2.37
		5755	0.633	1.711	37.00	4.32	2.94
		5795	0.632	1.593	39.67	4.01	0.25
802.11ac (VHT20)	MIMO	5180	1.308	2.270	57.62	2.39	0.26
		5200	1.309	2.306	56.76	2.46	0.90
		5240	1.308	2.270	57.62	2.39	0.24
		5745	1.308	2.270	57.62	2.39	0.04
		5785	1.308	2.270	57.62	2.39	0.24
		5825	1.308	2.269	57.65	2.39	0.04
802.11ac (VHT40)	MIMO	5190	0.653	1.614	40.46	3.93	19.83
		5230	0.652	1.614	40.40	3.94	0.26
		5755	0.652	1.614	40.40	3.94	0.25
		5795	0.653	1.713	38.12	4.19	2.34
802.11ac (VHT80)	MIMO	5210	0.324	1.285	25.21	5.98	0.01
		5775	0.325	1.709	19.02	7.21	6.45

1.2 Test Graph

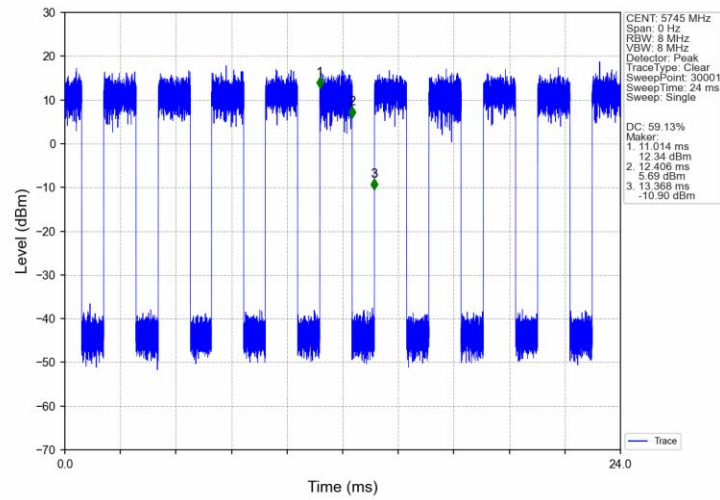
1.2.1 Ant1



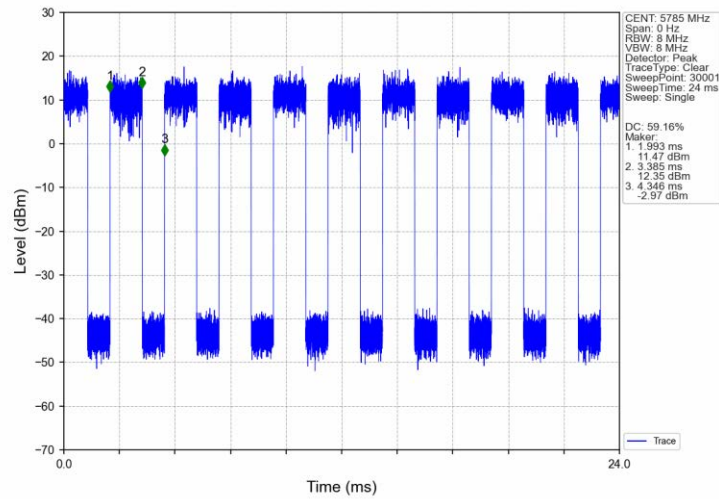
802.11a_HCH_5240MHz_Ant1_NTNV



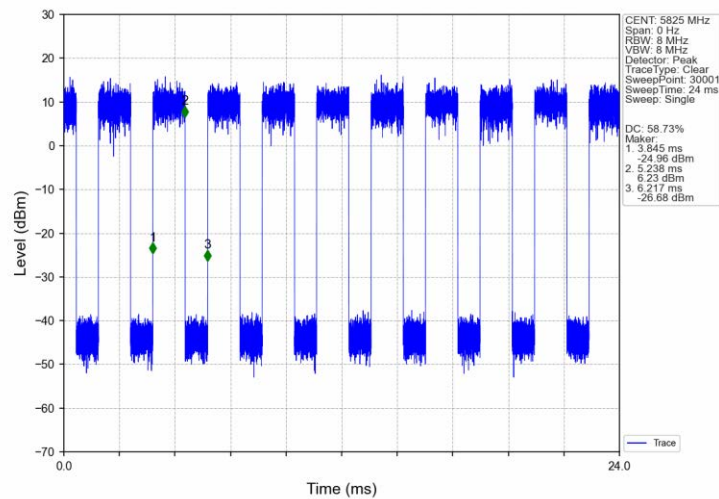
802.11a_LCH_5745MHz_Ant1_NTNV



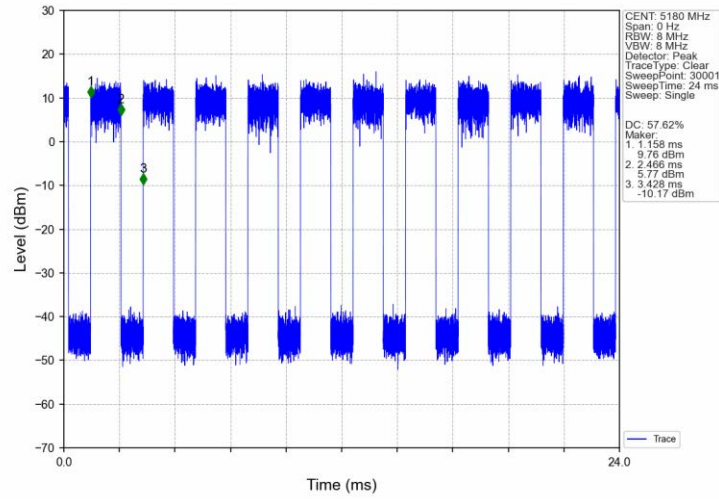
802.11a_MCH_5785MHz_Ant1_NTNV



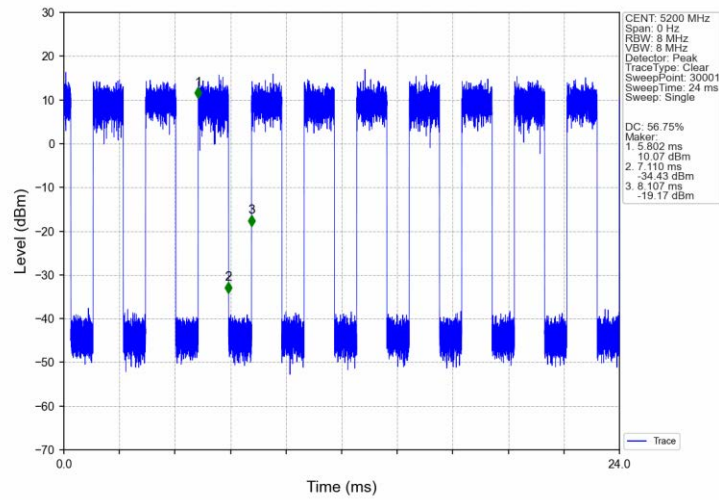
802.11a_HCH_5825MHz_Ant1_NTNV



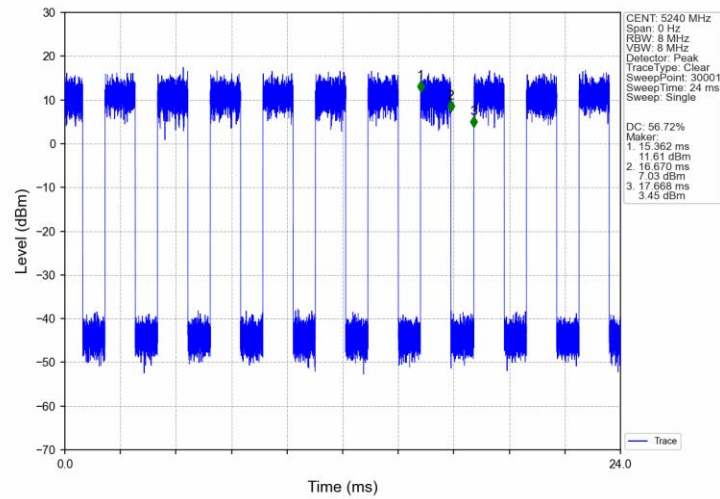
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



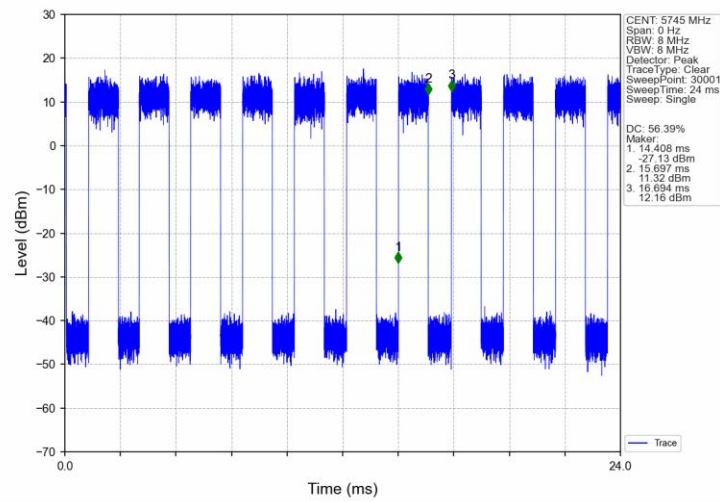
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



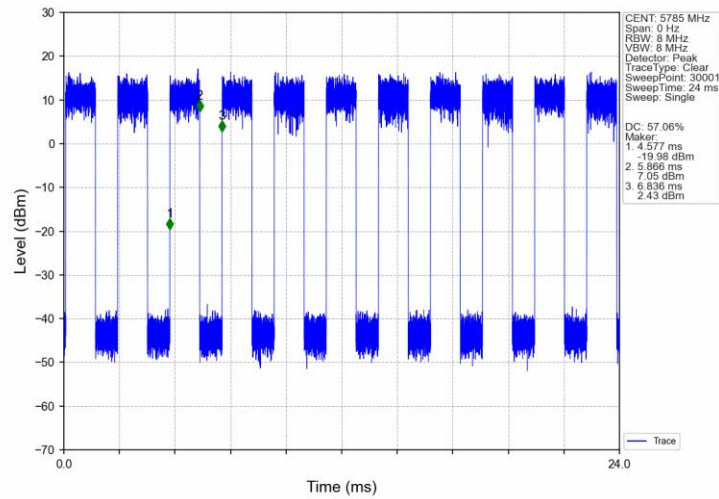
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



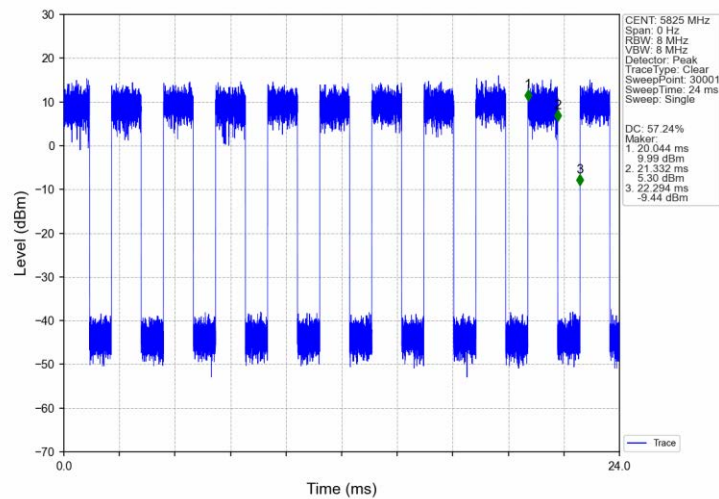
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



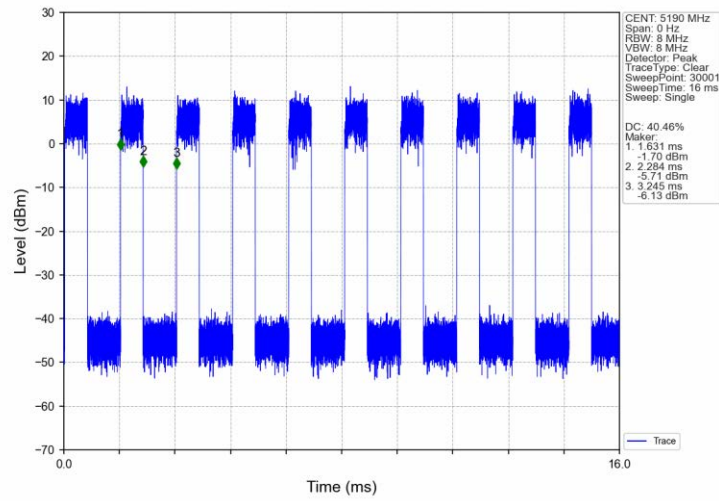
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



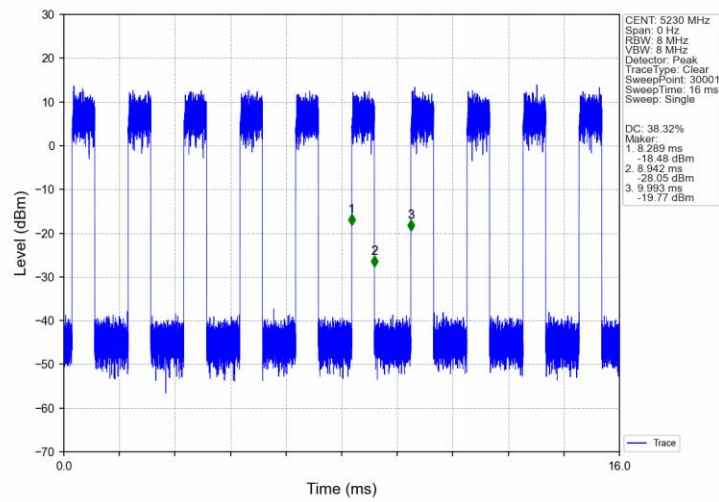
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



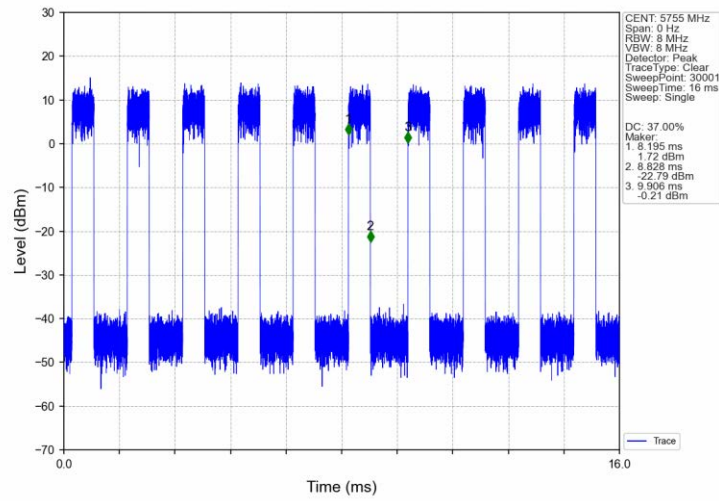
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



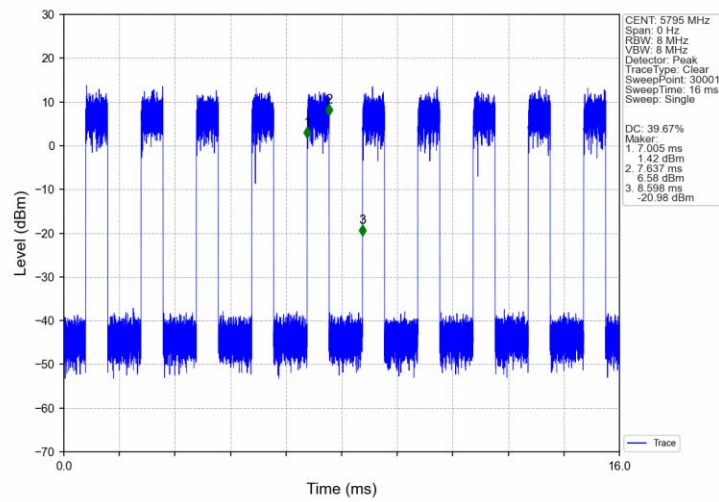
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



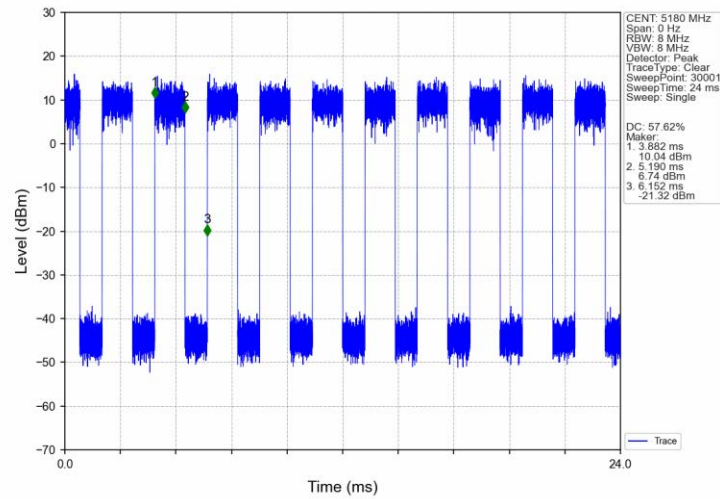
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



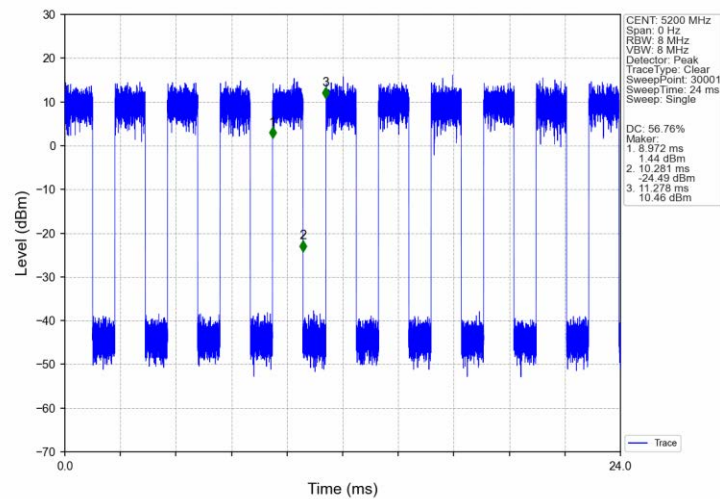
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



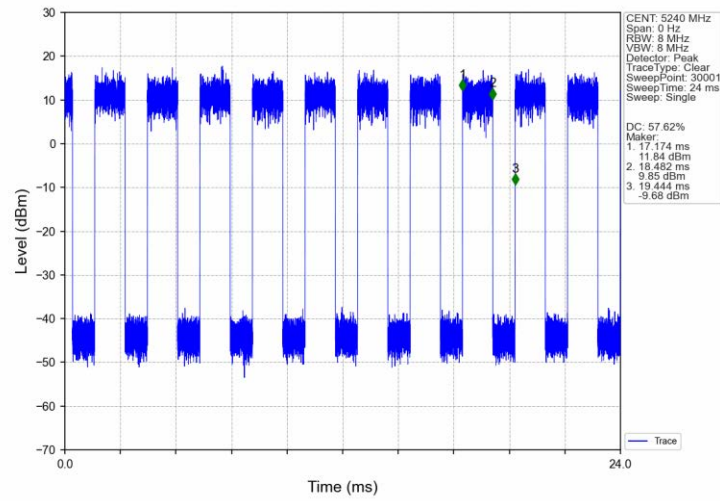
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



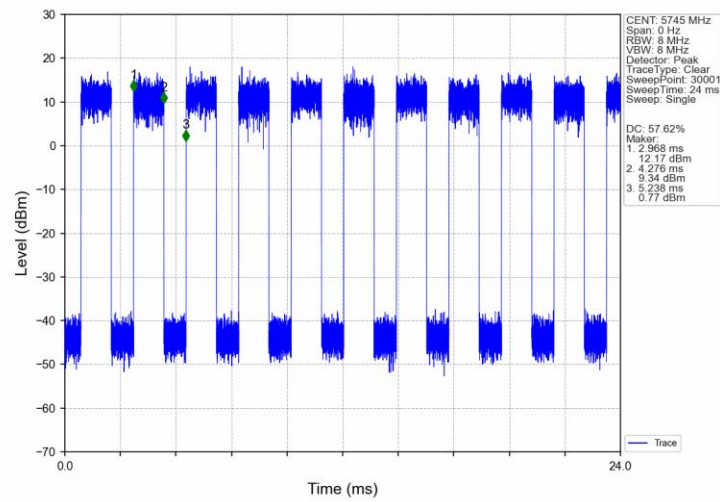
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



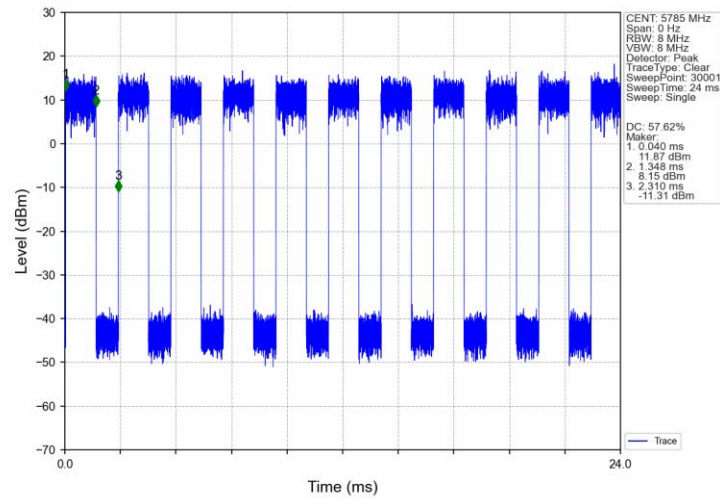
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



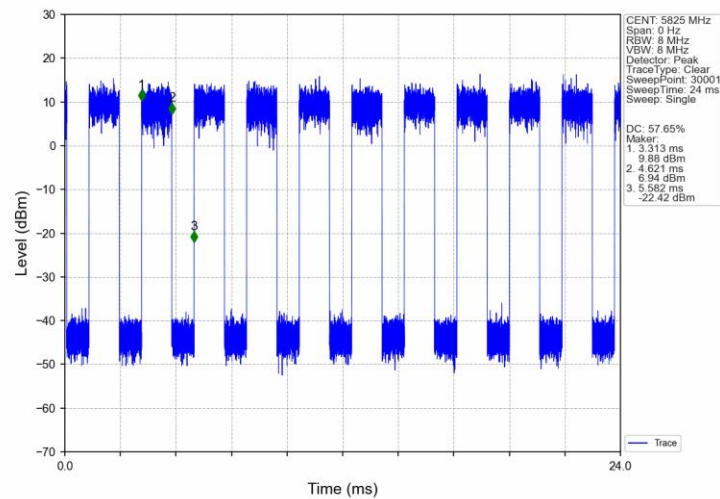
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



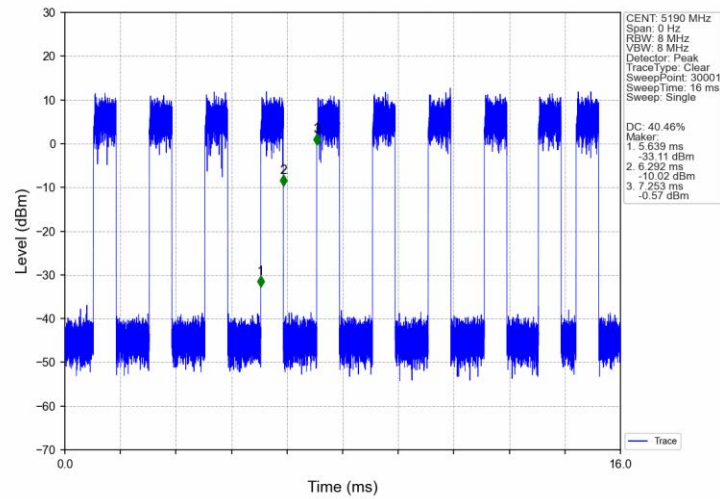
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



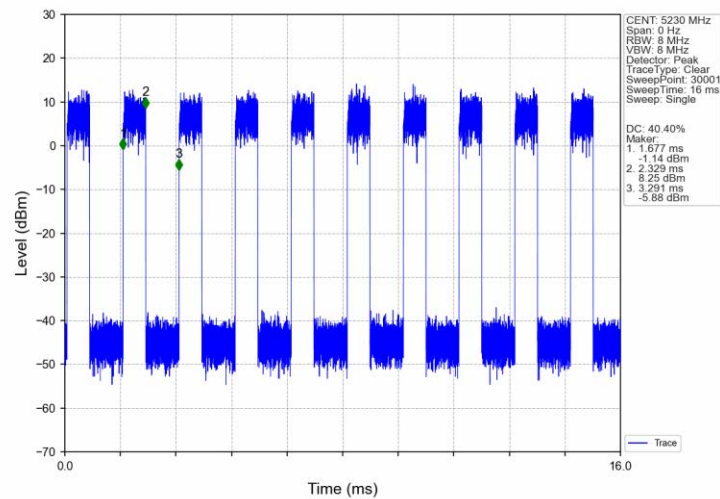
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



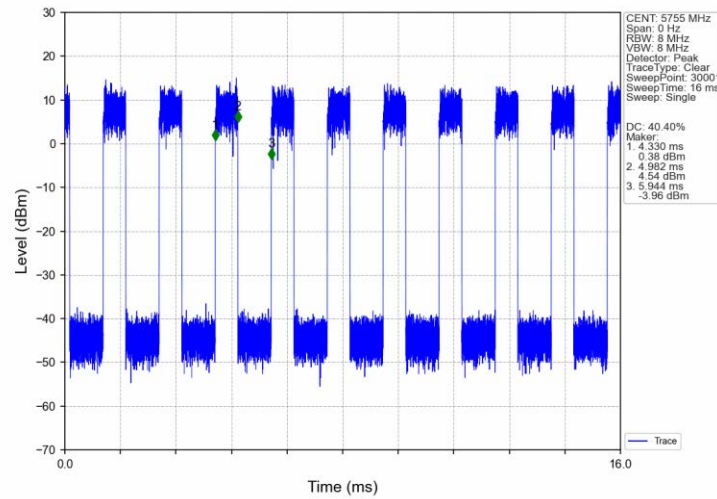
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



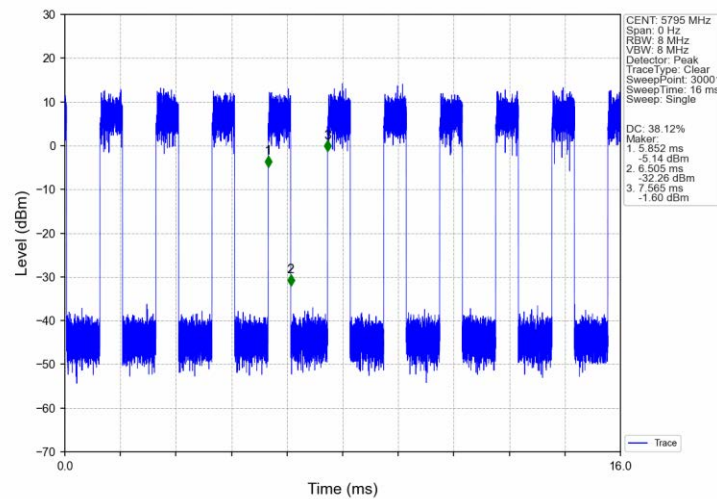
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



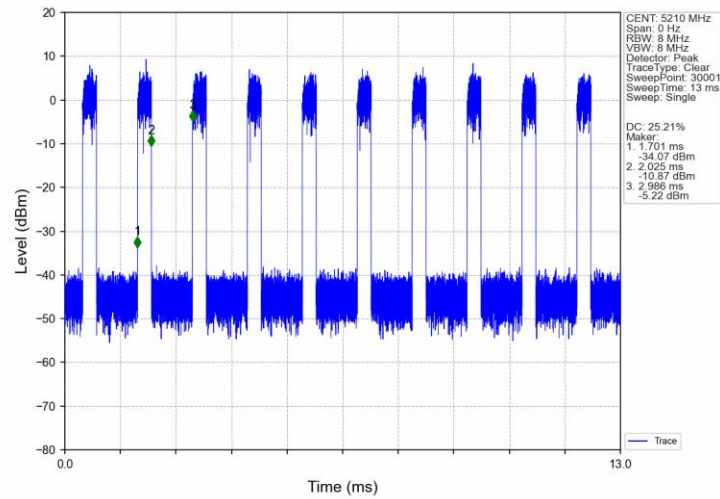
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



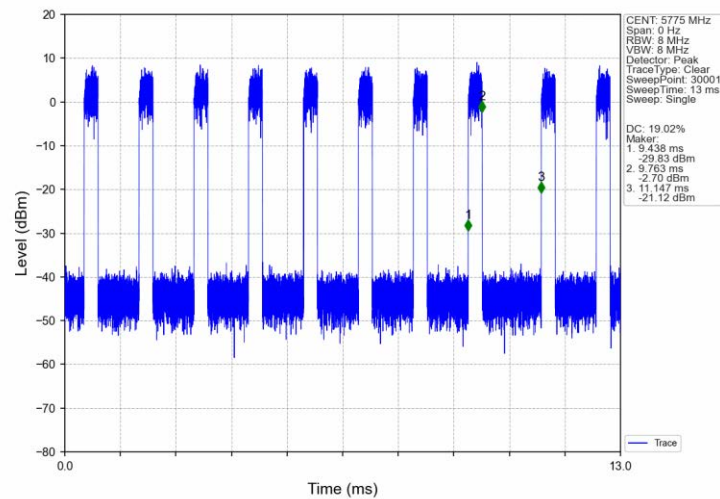
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_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	16.991	/	Pass
			2	17.063	/	Pass
		5200	1	16.968	/	Pass
			2	17.143	/	Pass
		5240	1	16.976	/	Pass
			2	17.081	/	Pass
		5745	1	17.058	/	Pass
			2	17.014	/	Pass
		5785	1	16.983	/	Pass
			2	17.124	/	Pass
		5825	1	17.182	/	Pass
			2	17.158	/	Pass
802.11n (HT20)	MIMO	5180	1	17.930	/	Pass
			2	17.739	/	Pass
		5200	1	17.960	/	Pass
			2	17.693	/	Pass
		5240	1	17.849	/	Pass
			2	17.710	/	Pass
		5745	1	17.971	/	Pass
			2	17.695	/	Pass
		5785	1	17.924	/	Pass
			2	17.689	/	Pass
		5825	1	17.980	/	Pass
			2	17.733	/	Pass
802.11n (HT40)	MIMO	5190	1	36.140	/	Pass
			2	36.108	/	Pass
		5230	1	36.266	/	Pass
			2	36.204	/	Pass
		5755	1	36.186	/	Pass
			2	36.202	/	Pass
		5795	1	36.314	/	Pass
			2	36.219	/	Pass
802.11ac (VHT20)	MIMO	5180	1	17.919	/	Pass
			2	17.698	/	Pass
		5200	1	17.973	/	Pass
			2	17.623	/	Pass
		5240	1	17.898	/	Pass
			2	17.672	/	Pass
		5745	1	17.846	/	Pass
			2	17.693	/	Pass
		5785	1	17.913	/	Pass
			2	17.694	/	Pass
		5825	1	17.898	/	Pass
			2	17.717	/	Pass
802.11ac (VHT40)	MIMO	5190	1	36.235	/	Pass
			2	36.173	/	Pass
		5230	1	36.208	/	Pass

		5755	2	36.123	/	Pass
			1	35.958	/	Pass
			2	36.076	/	Pass
		5795	1	36.237	/	Pass
			2	36.206	/	Pass
			1	76.356	/	Pass
802.11ac (VHT80)	MIMO	5210	2	76.322	/	Pass
			1	75.971	/	Pass
		5775	1	75.971	/	Pass
			2	76.096	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.116	>=0.5	Pass
			2	15.093	>=0.5	Pass
		5785	1	15.036	>=0.5	Pass
			2	15.006	>=0.5	Pass
		5825	1	15.079	>=0.5	Pass
			2	15.116	>=0.5	Pass
802.11n (HT20)	MIMO	5745	1	13.839	>=0.5	Pass
			2	15.086	>=0.5	Pass
		5785	1	15.112	>=0.5	Pass
			2	15.041	>=0.5	Pass
		5825	1	15.106	>=0.5	Pass
			2	15.106	>=0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.044	>=0.5	Pass
			2	35.068	>=0.5	Pass
		5795	1	35.120	>=0.5	Pass
			2	35.067	>=0.5	Pass
		5745	1	15.077	>=0.5	Pass
			2	15.102	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.039	>=0.5	Pass
			2	15.096	>=0.5	Pass
		5785	1	15.116	>=0.5	Pass
			2	15.112	>=0.5	Pass
		5825	1	15.116	>=0.5	Pass
			2	15.112	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	33.811	>=0.5	Pass
			2	35.092	>=0.5	Pass
		5795	1	35.130	>=0.5	Pass
			2	35.097	>=0.5	Pass
		5775	1	75.918	>=0.5	Pass
			2	76.103	>=0.5	Pass

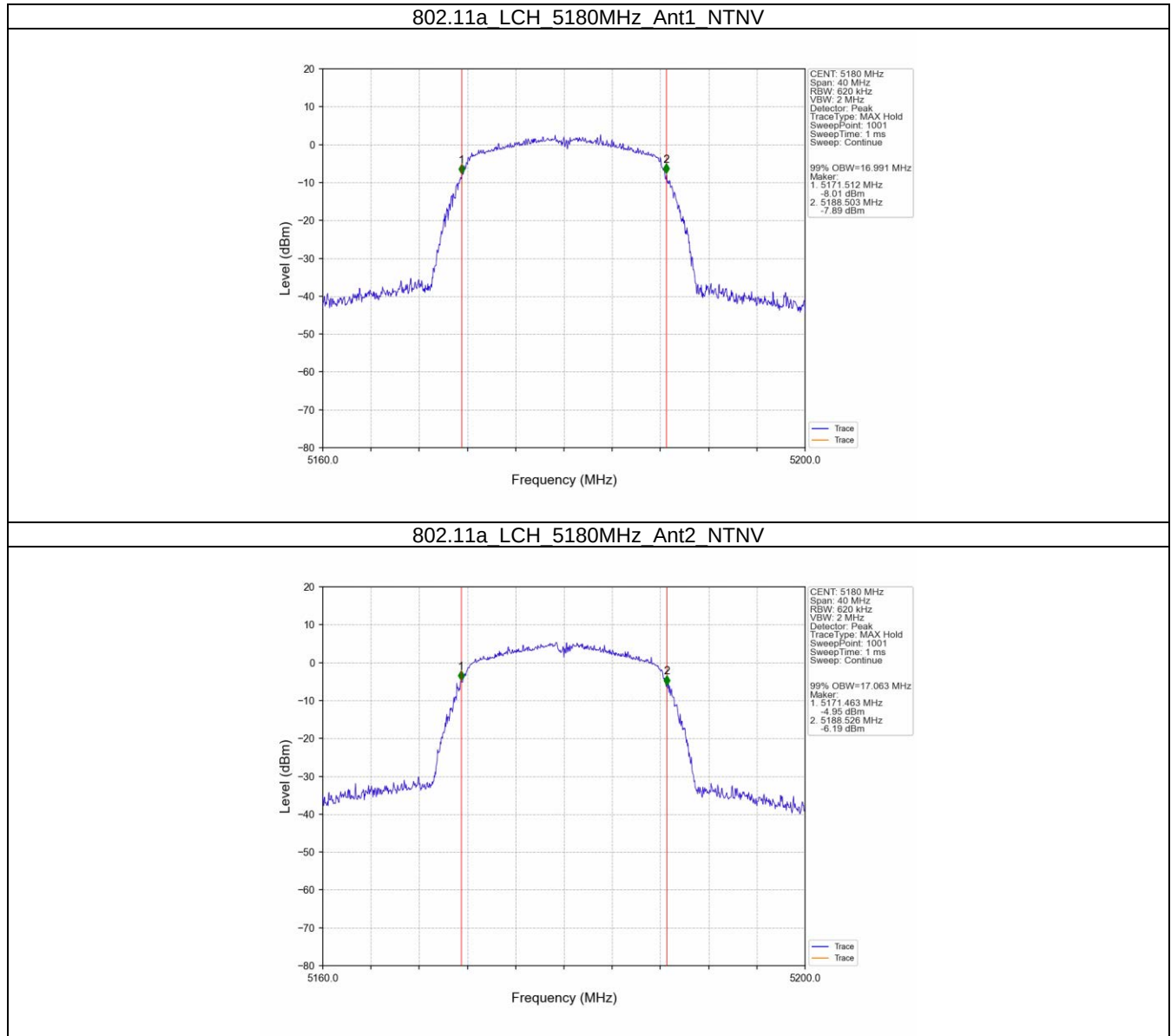
2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	19.662	/	Pass
			2	19.679	/	Pass
		5200	1	19.770	/	Pass
			2	19.707	/	Pass
		5240	1	19.519	/	Pass
			2	19.553	/	Pass
802.11n (HT20)	MIMO	5180	1	19.896	/	Pass
			2	19.885	/	Pass
		5200	1	19.908	/	Pass
			2	19.801	/	Pass
		5240	1	19.749	/	Pass
			1	19.749	/	Pass

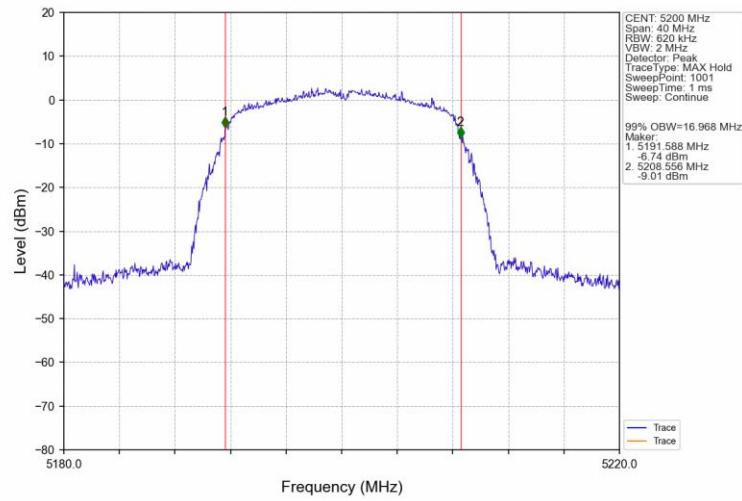
			2	19.782	/	Pass
802.11n (HT40)	MIMO	5190	1	40.124	/	Pass
			2	40.000	/	Pass
		5230	1	40.280	/	Pass
			2	39.876	/	Pass
802.11ac (VHT20)	MIMO	5180	1	19.753	/	Pass
			2	19.845	/	Pass
		5200	1	19.855	/	Pass
			2	19.697	/	Pass
		5240	1	19.971	/	Pass
			2	19.822	/	Pass
802.11ac (VHT40)	MIMO	5190	1	40.610	/	Pass
			2	39.718	/	Pass
		5230	1	40.087	/	Pass
			2	39.597	/	Pass
802.11ac (VHT80)	MIMO	5210	1	80.275	/	Pass
			2	80.125	/	Pass

2.2 Test Graph

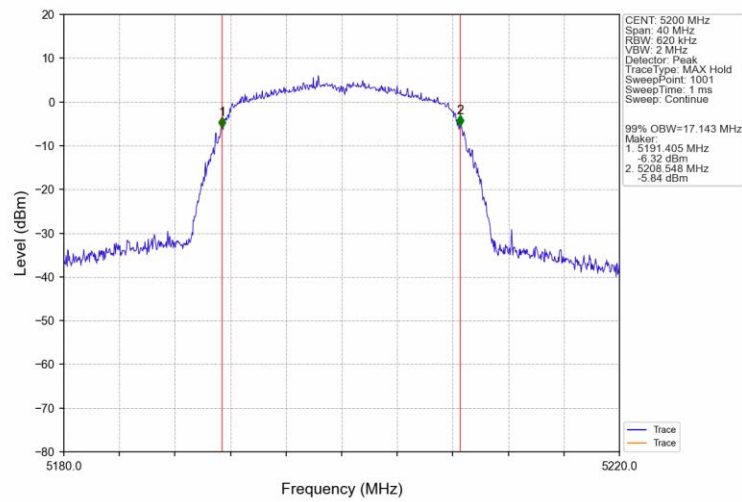
2.2.1 OBW



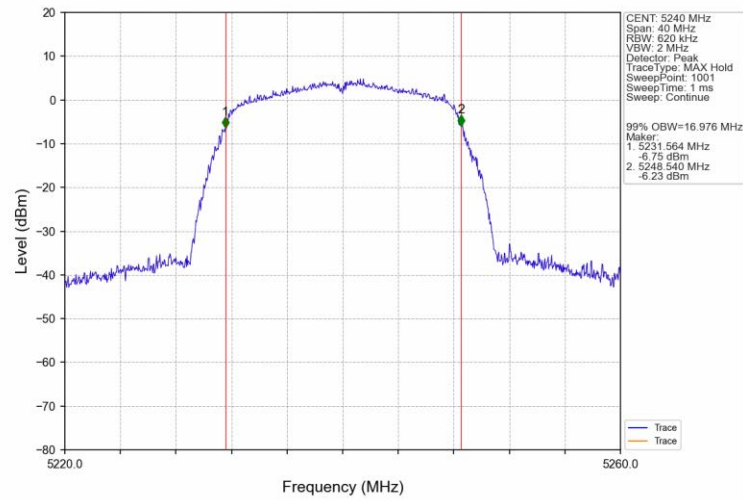
802.11a_MCH_5200MHz_Ant1_NTNV



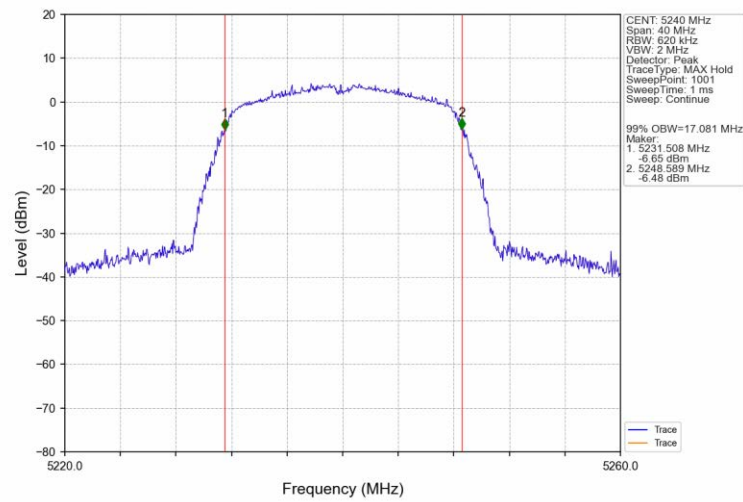
802.11a_MCH_5200MHz_Ant2_NTNV



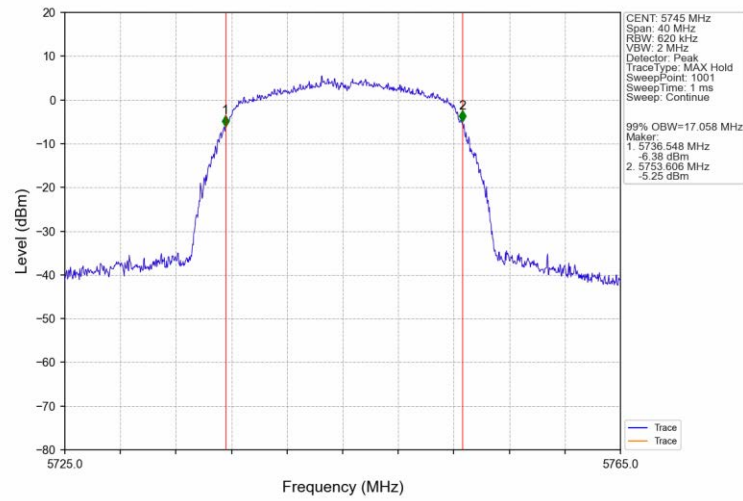
802.11a_HCH_5240MHz_Ant1_NTNV



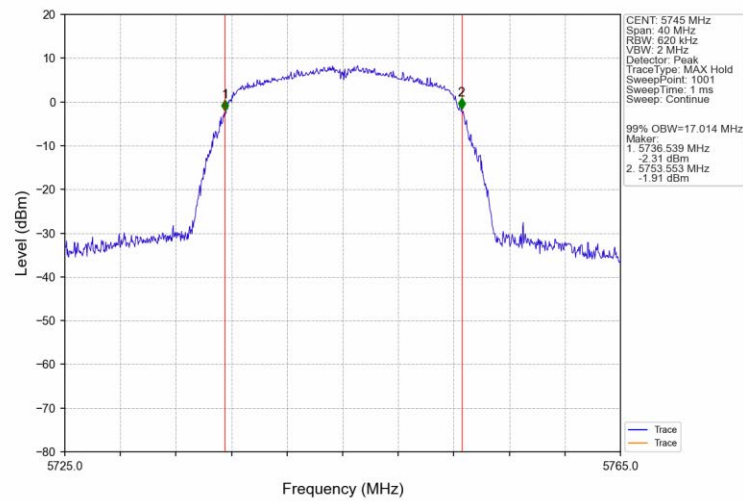
802.11a_HCH_5240MHz_Ant2_NTNV



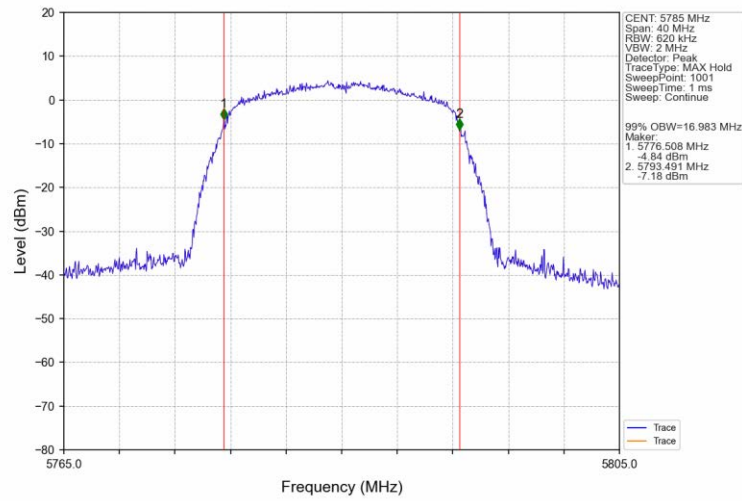
802.11a_LCH_5745MHz_Ant1_NTNV



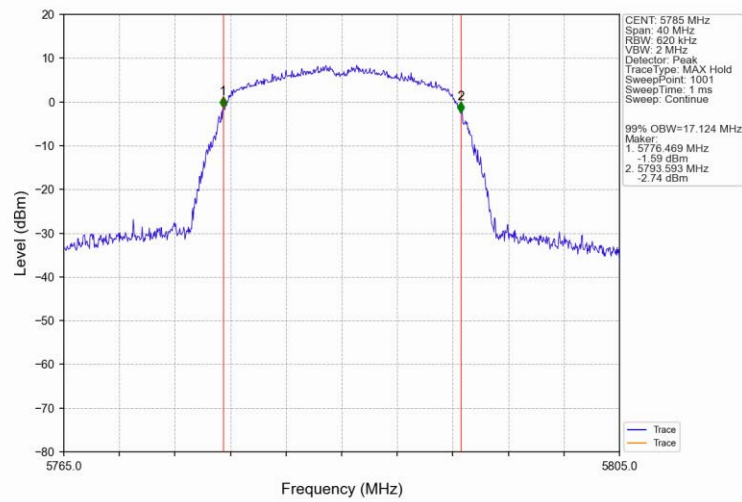
802.11a_LCH_5745MHz_Ant2_NTNV



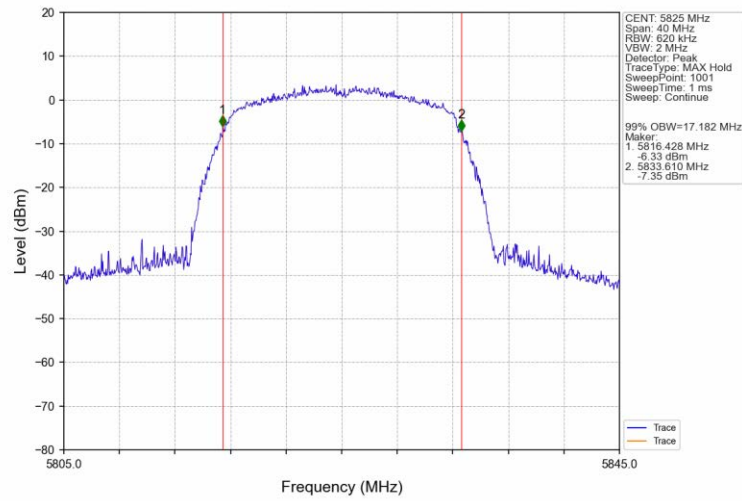
802.11a_MCH_5785MHz_Ant1_NTNV



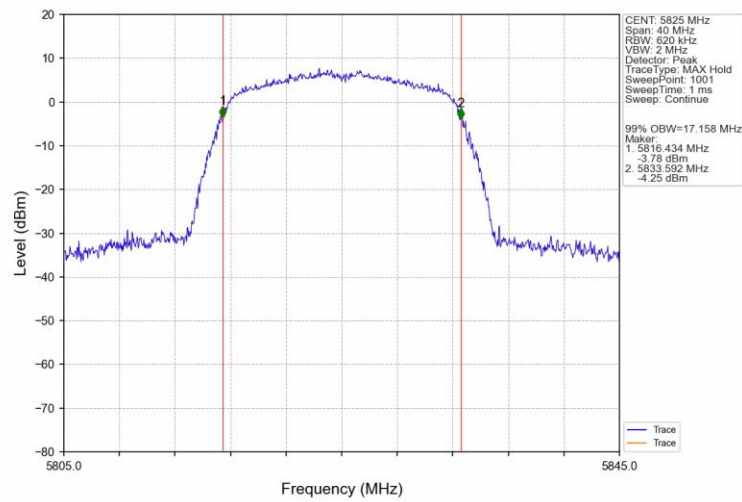
802.11a_MCH_5785MHz_Ant2_NTNV



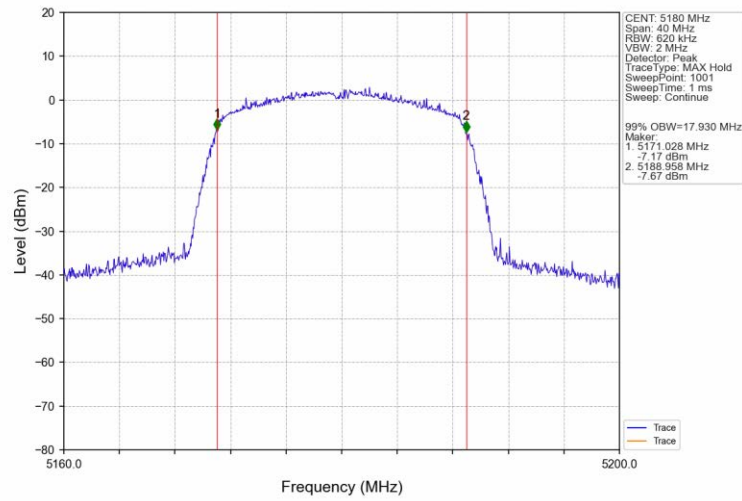
802.11a_HCH_5825MHz_Ant1_NTNV



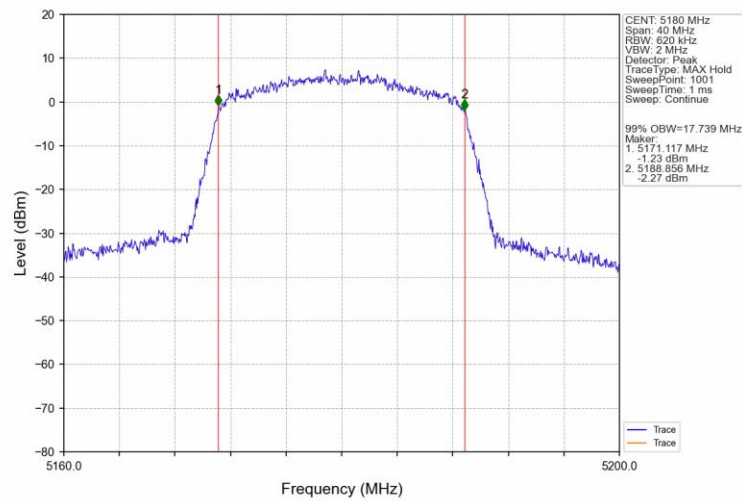
802.11a_HCH_5825MHz_Ant2_NTNV



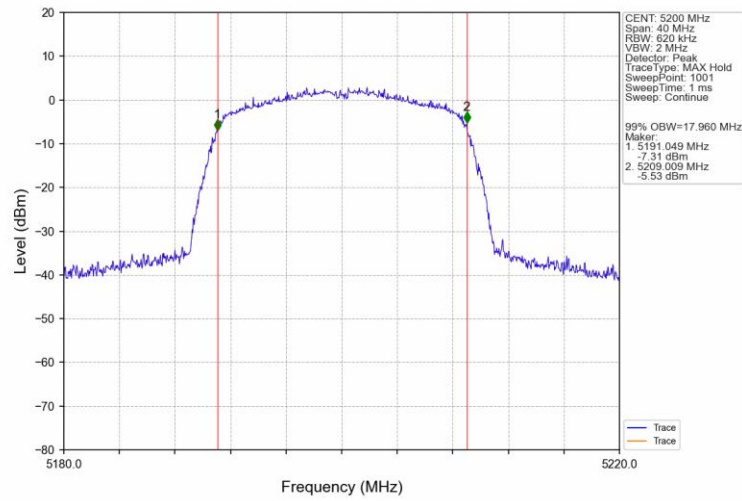
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



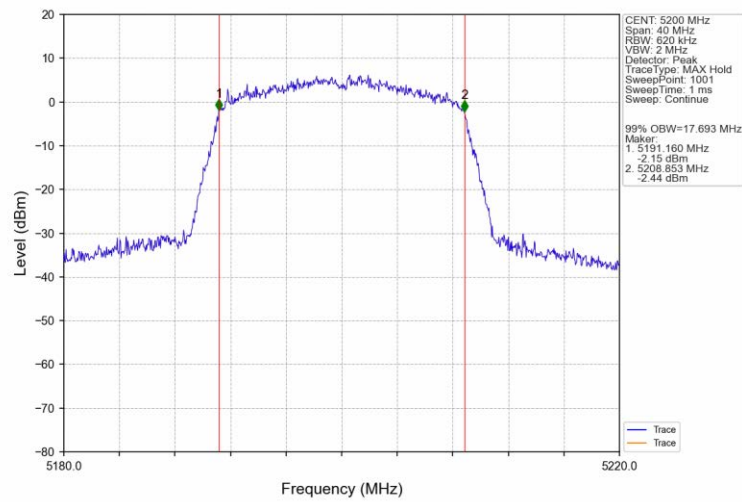
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



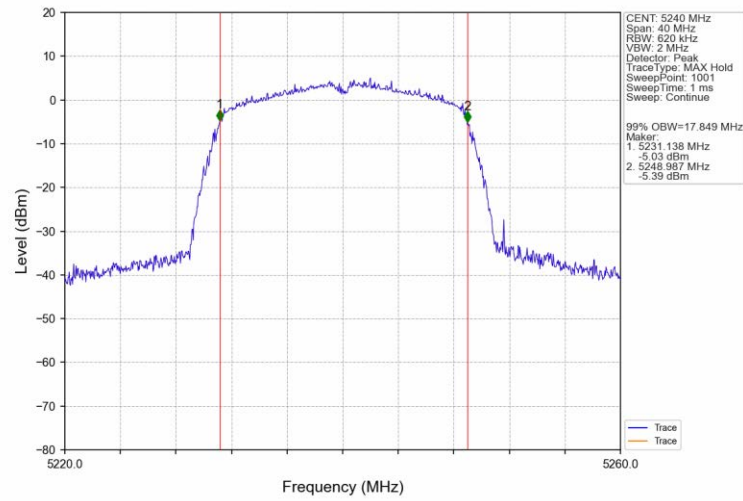
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



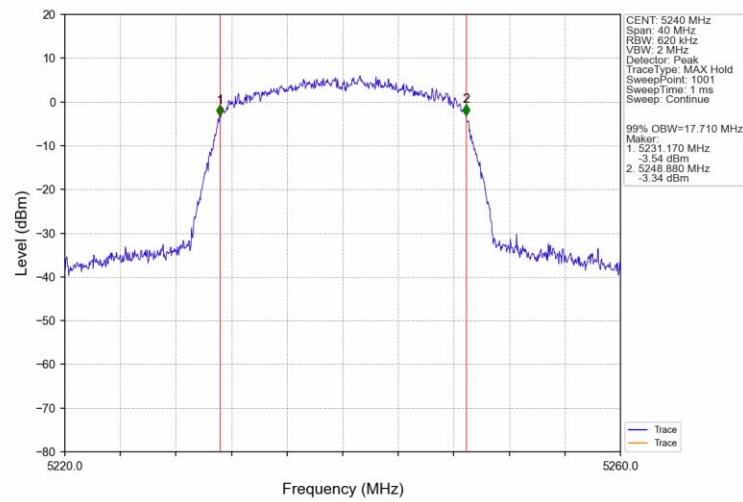
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



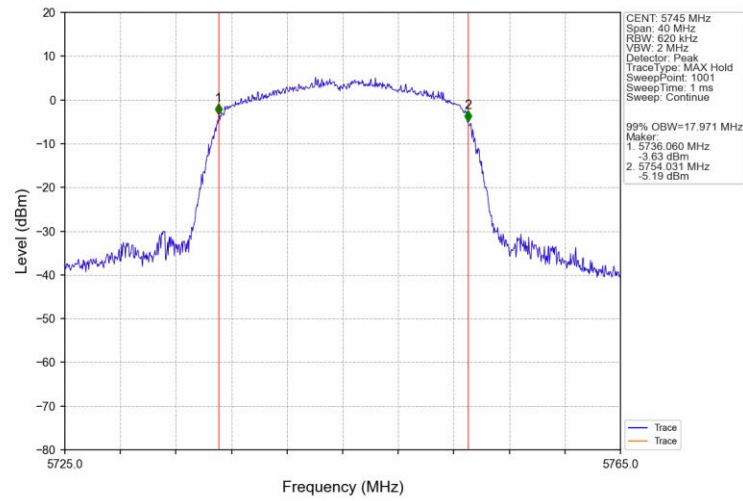
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



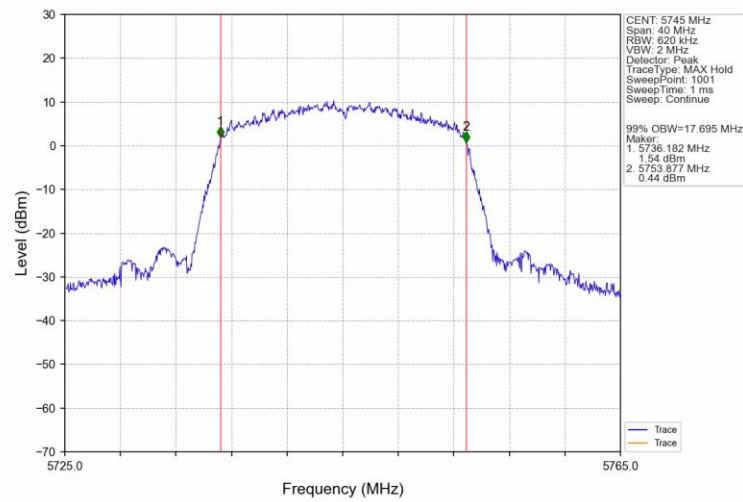
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



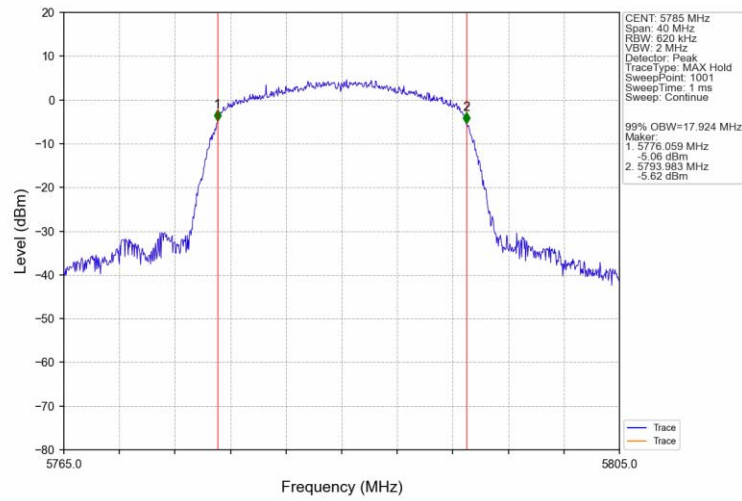
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



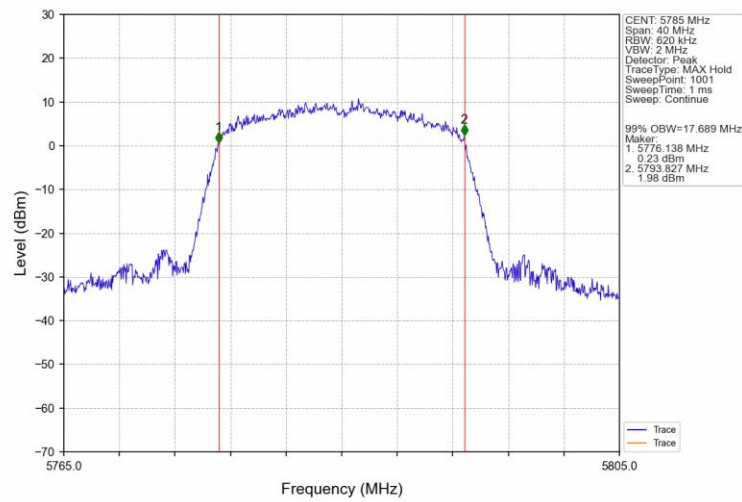
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



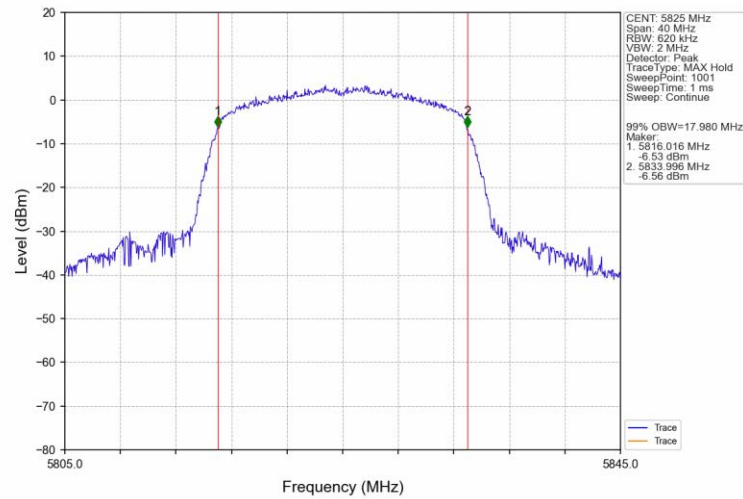
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



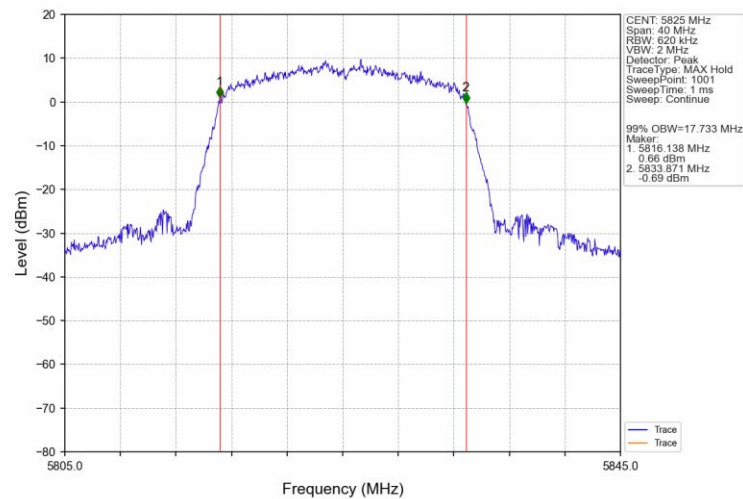
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



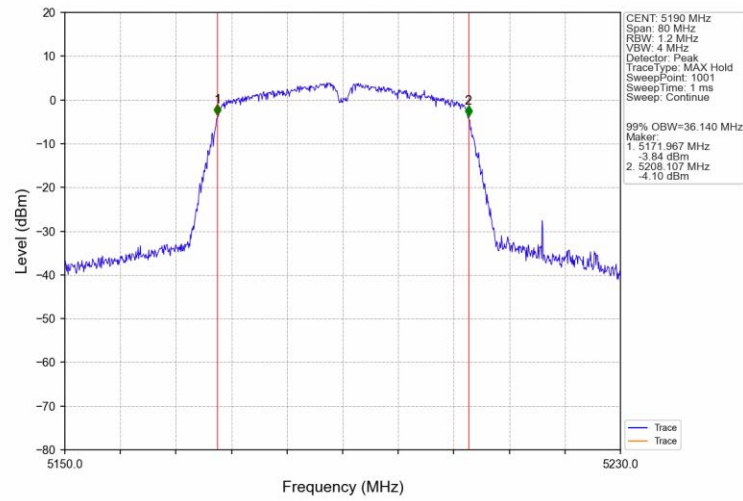
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



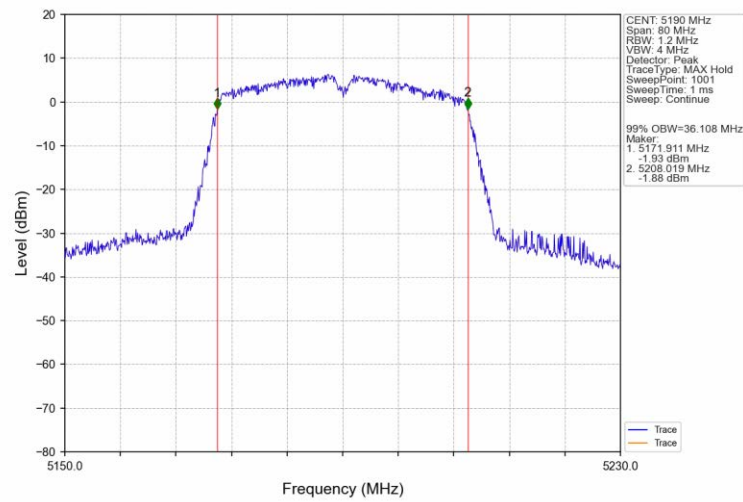
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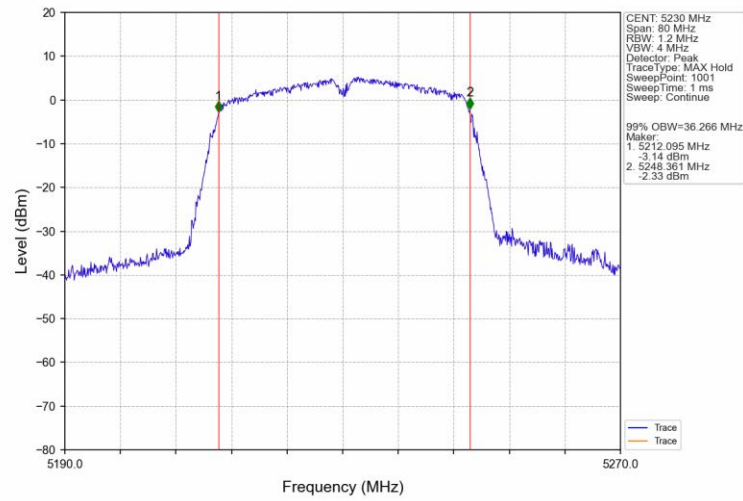
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



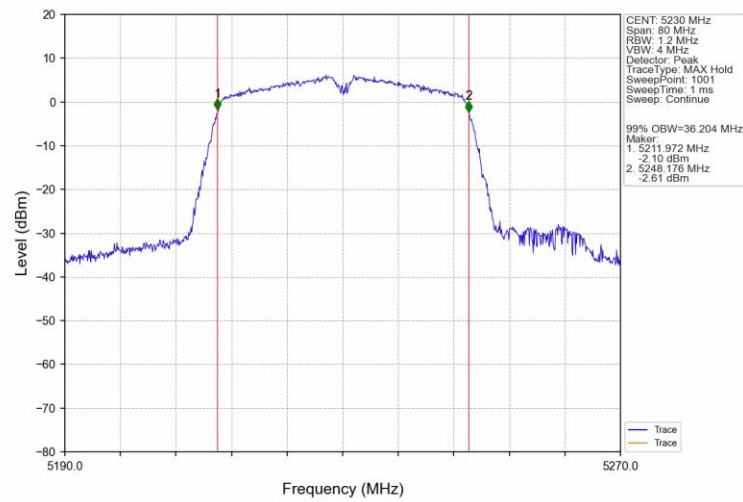
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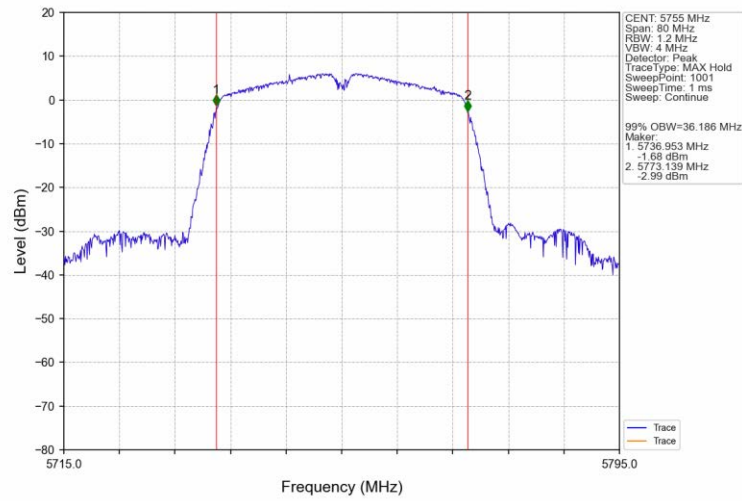
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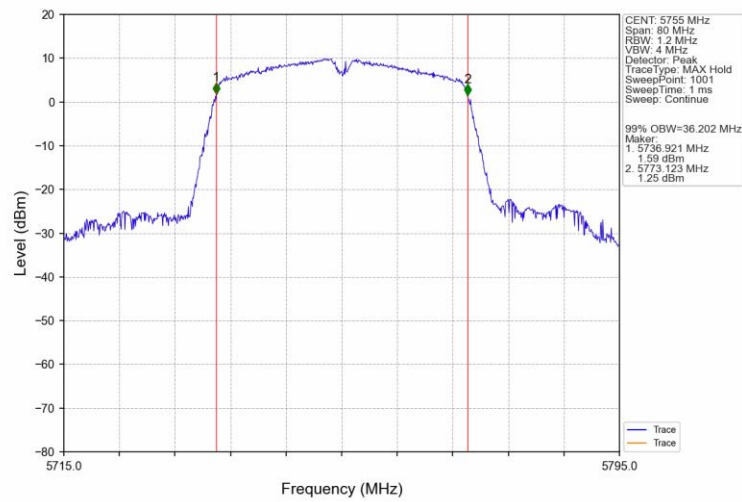
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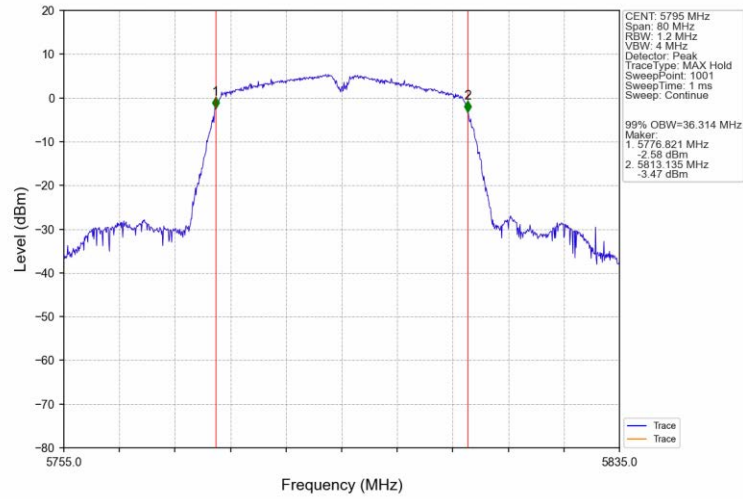
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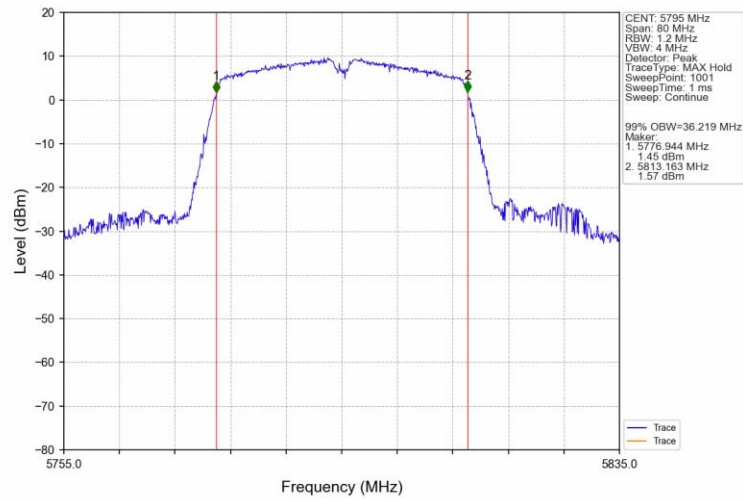
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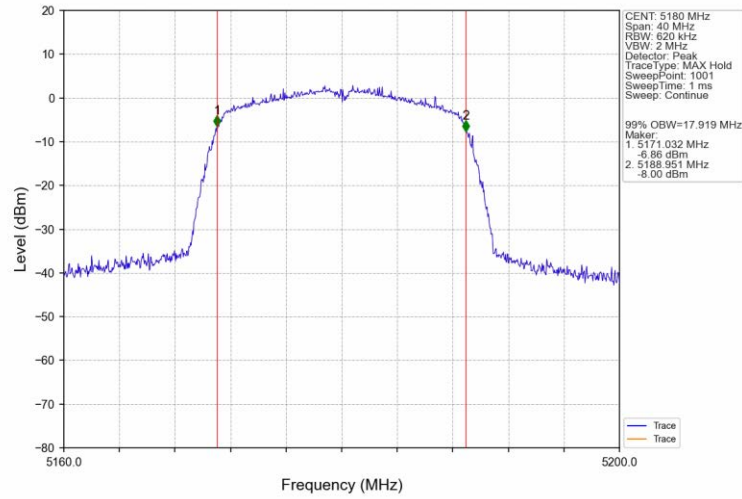
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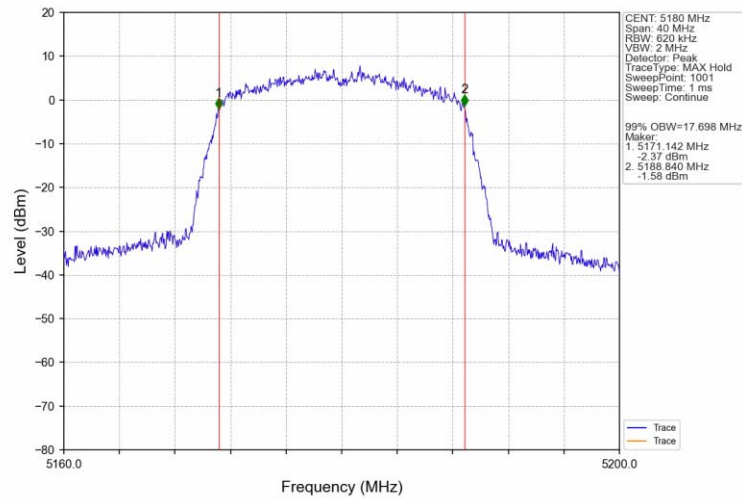
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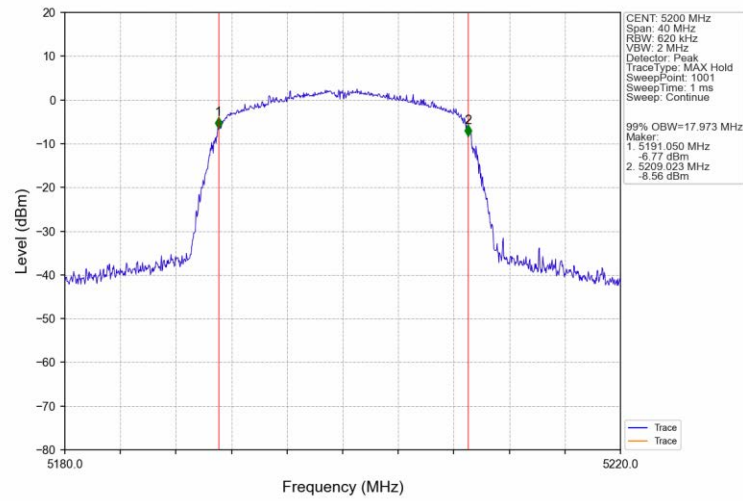
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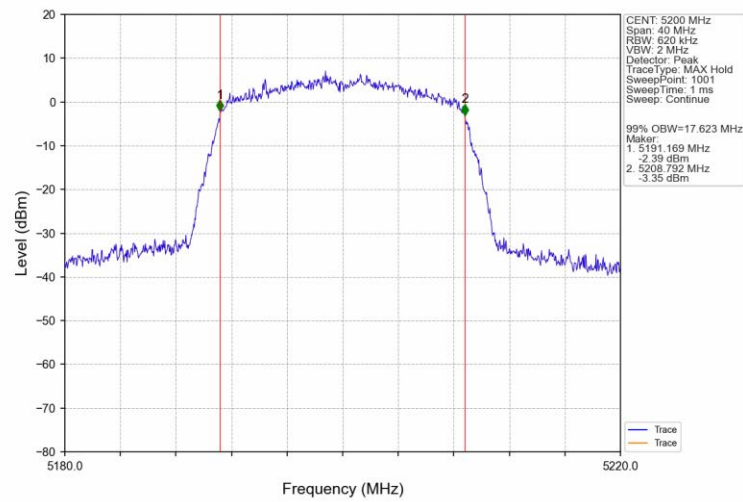
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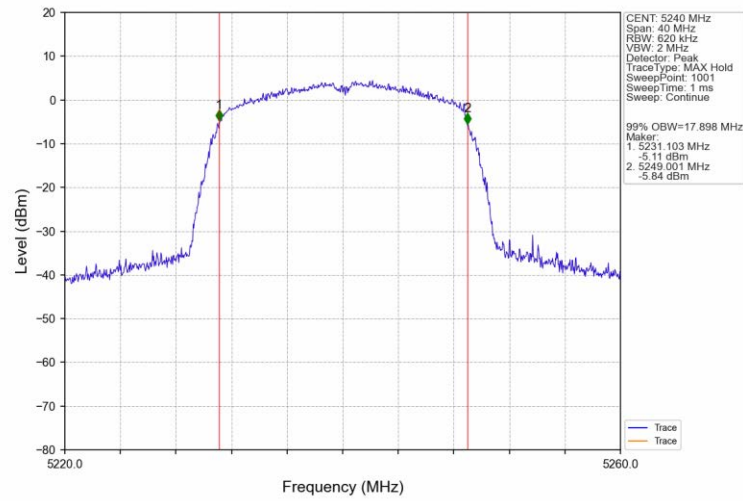
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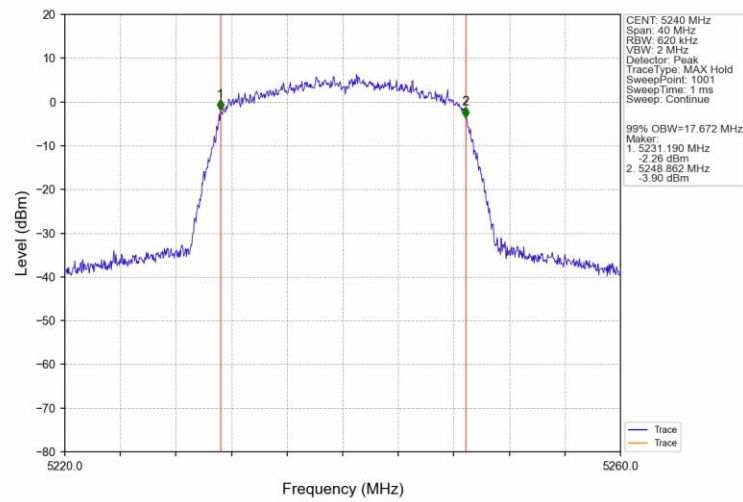
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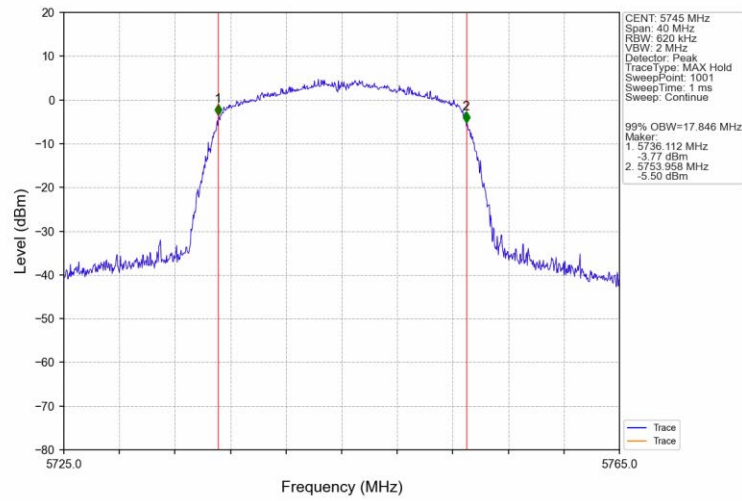
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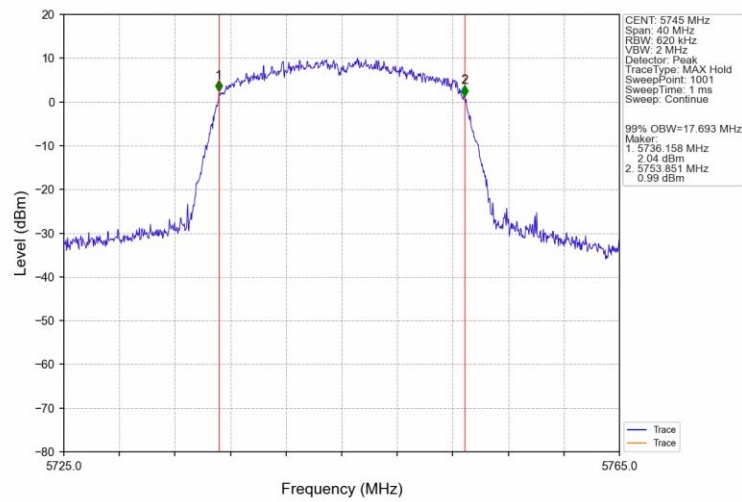
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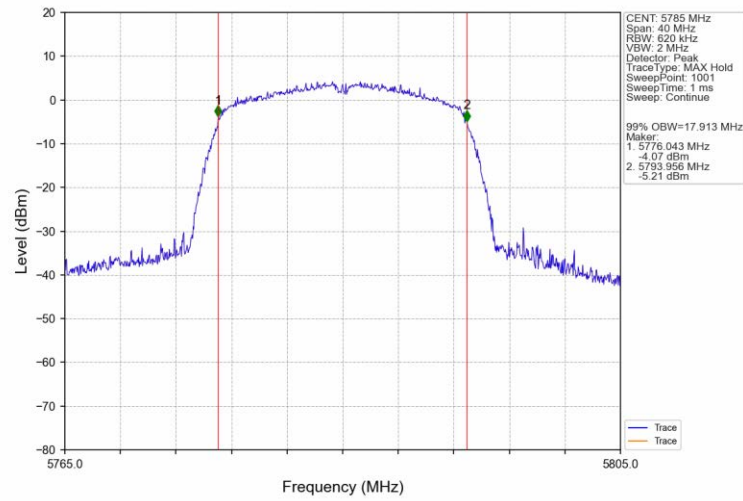
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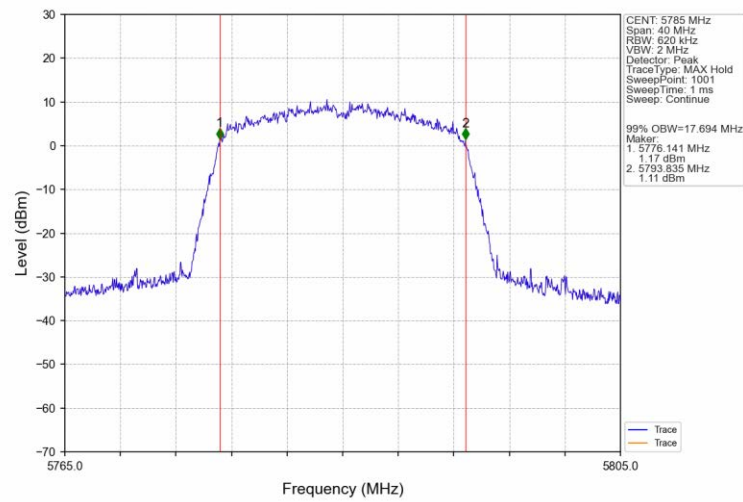
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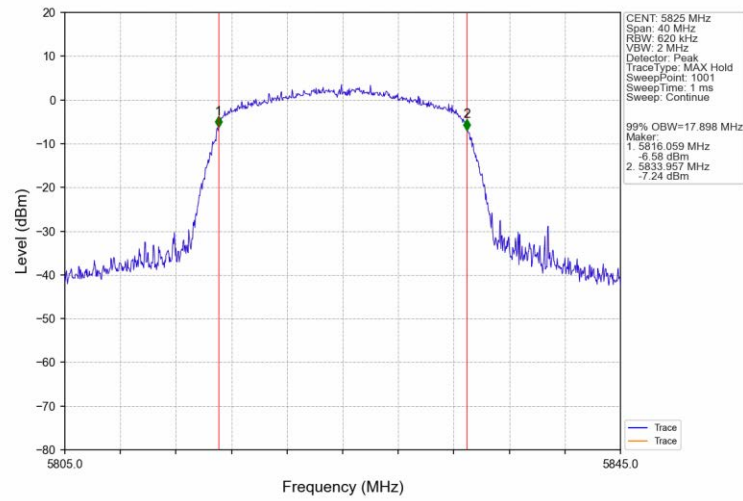
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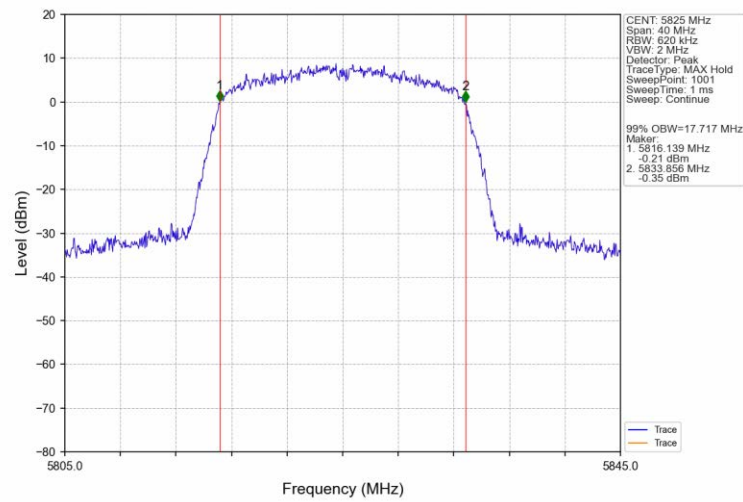
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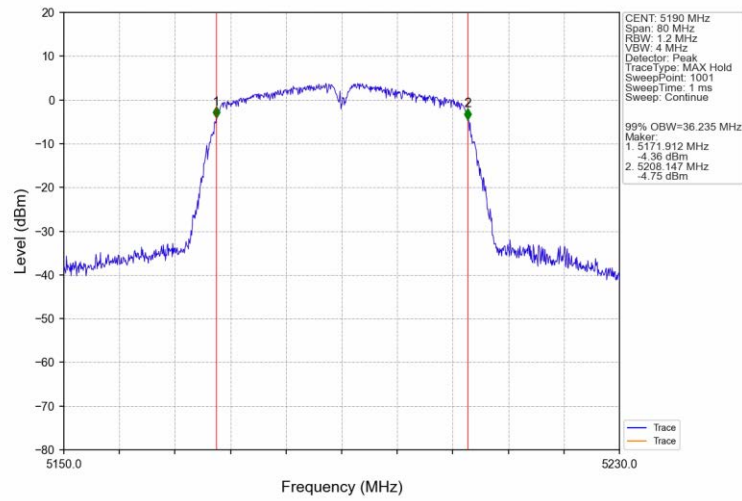
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



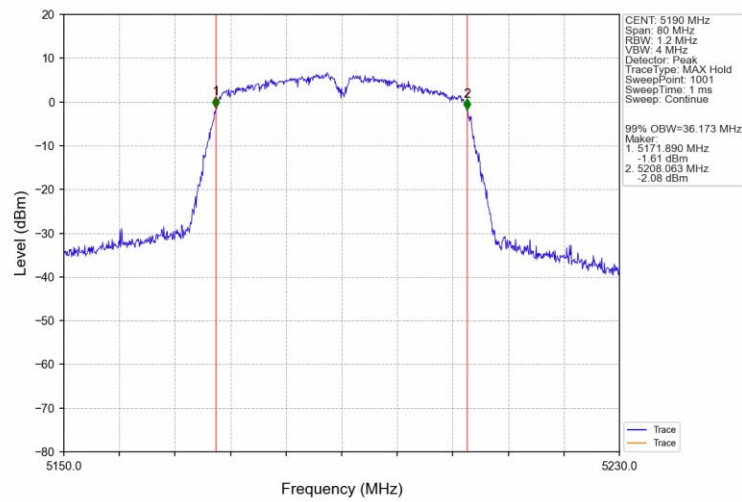
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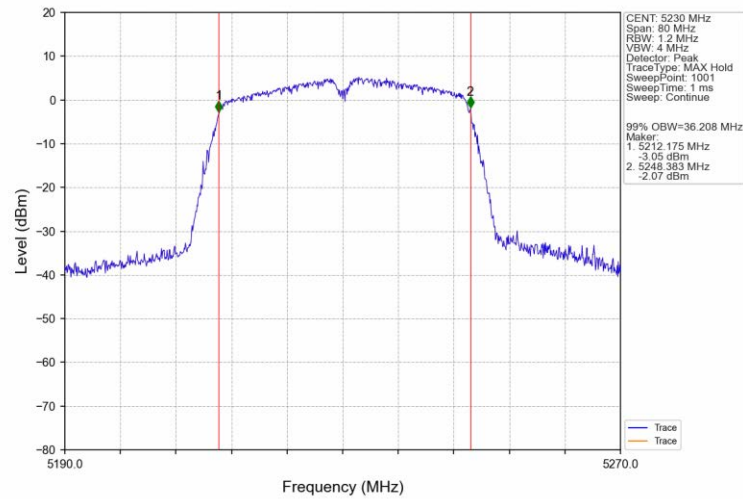
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



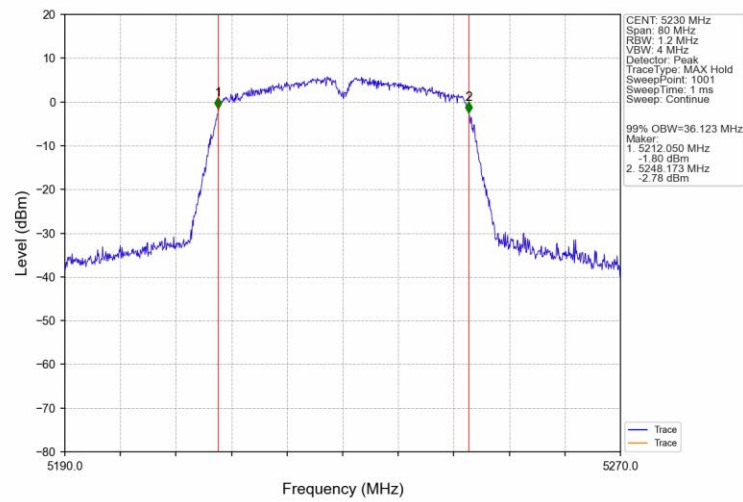
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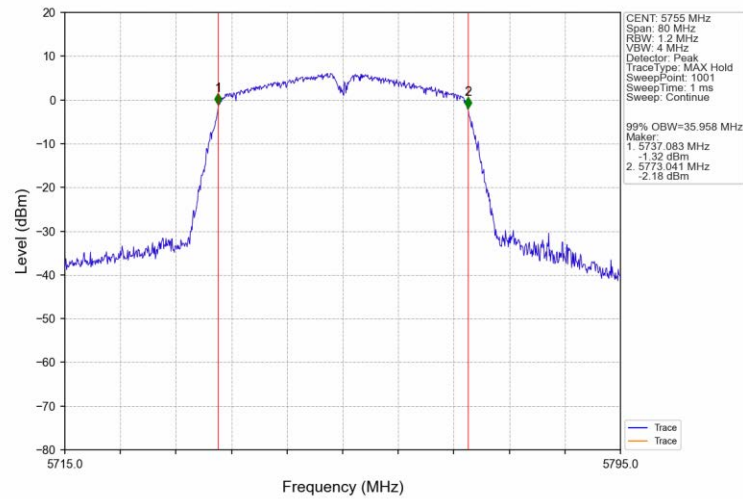
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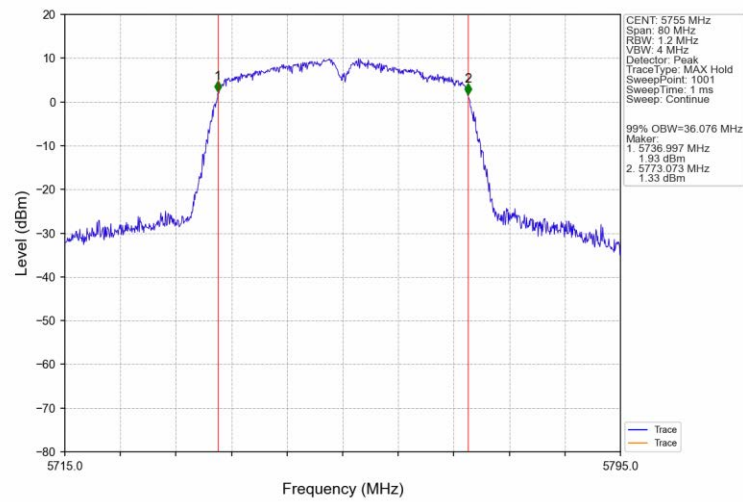
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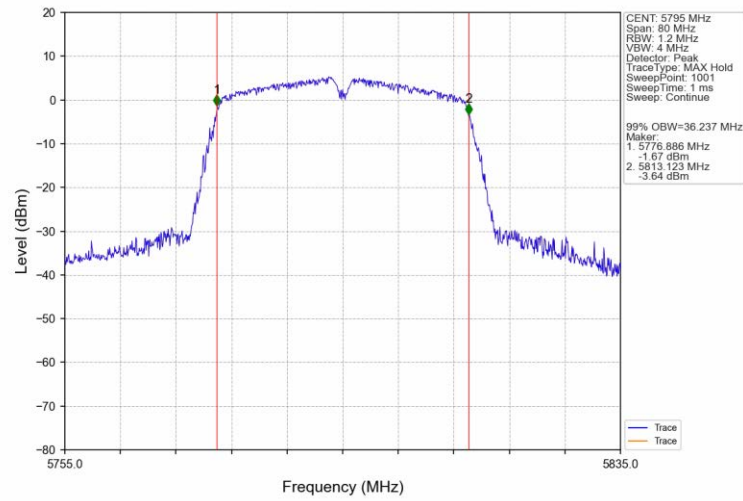
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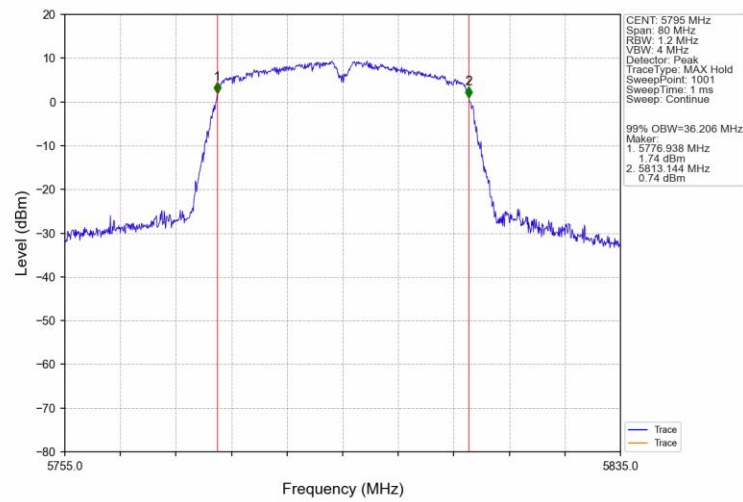
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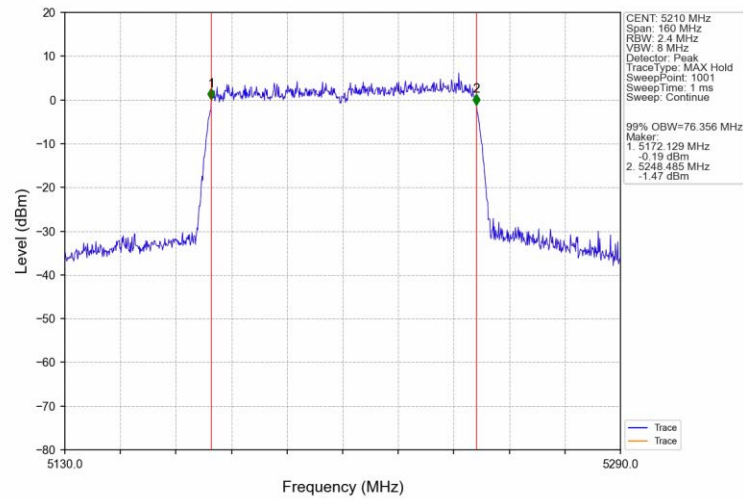
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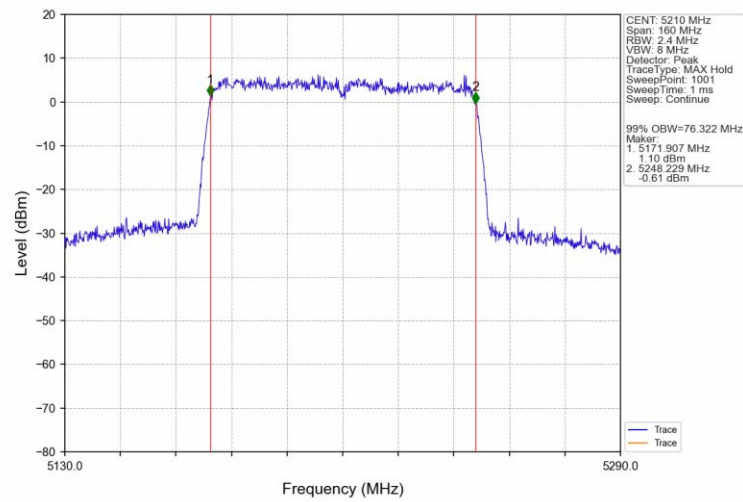
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



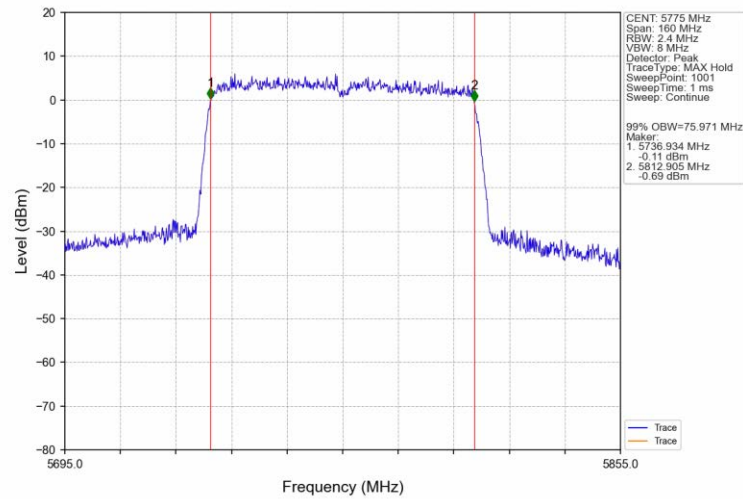
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



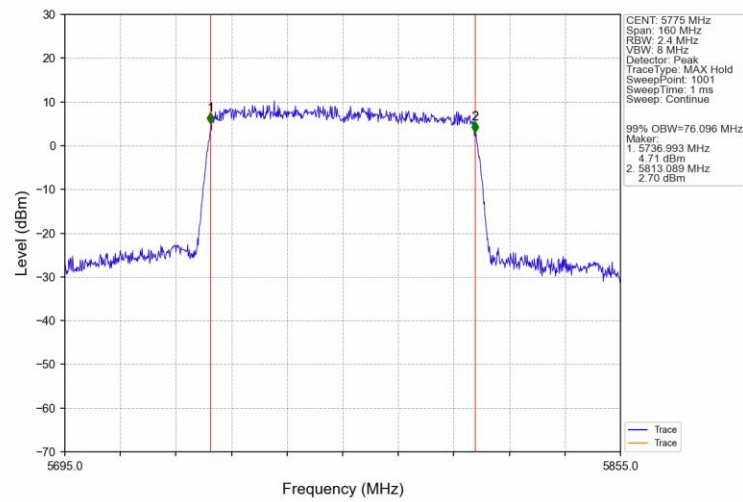
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

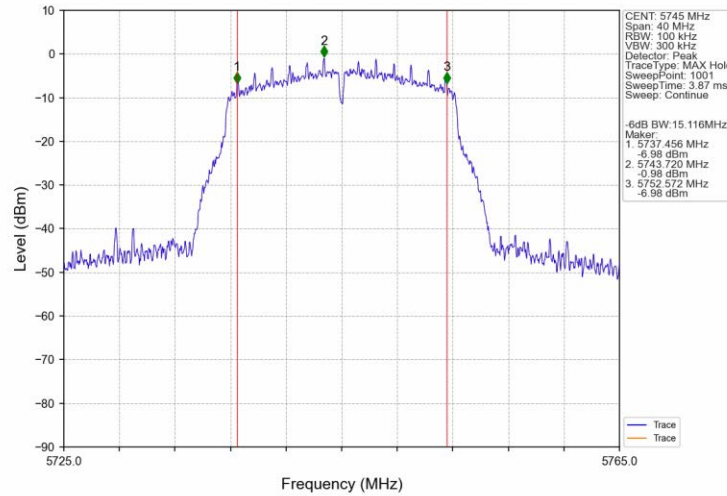


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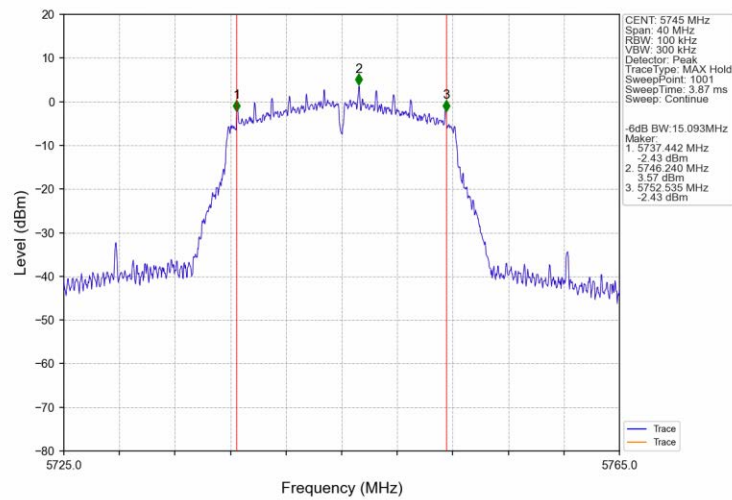


2.2.2 6dB BW

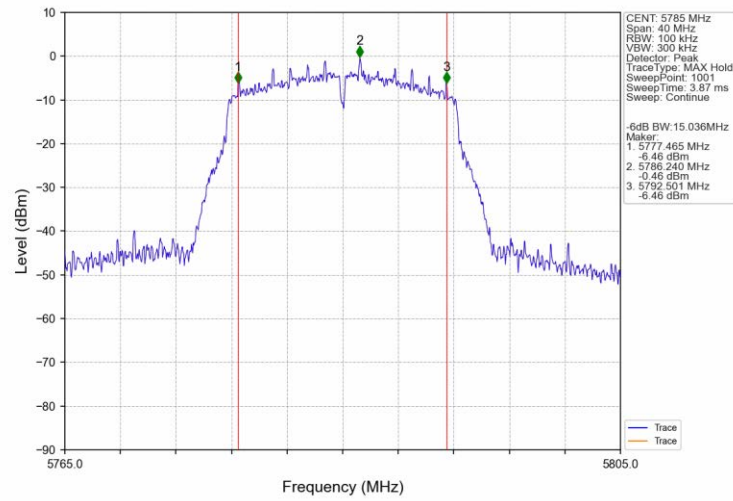
802.11a LCH 5745MHz Ant1 NTN



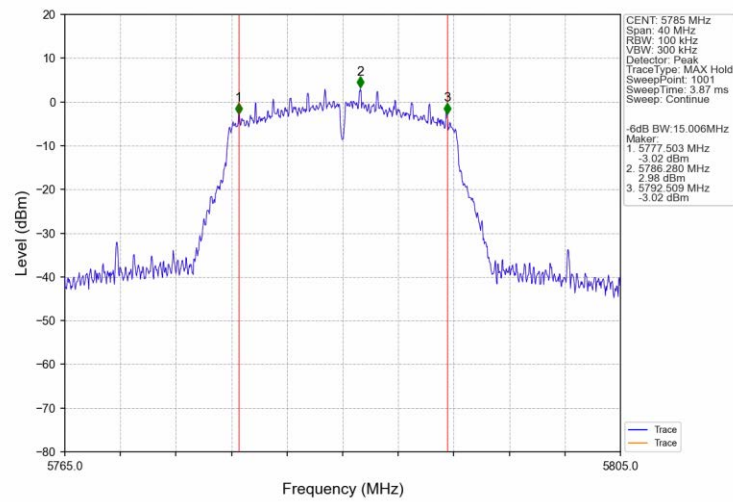
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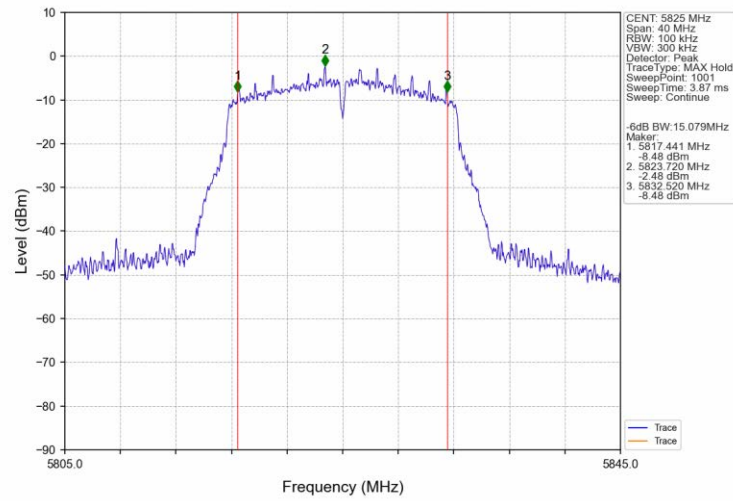
802.11a_MCH_5785MHz_Ant1_NTNV



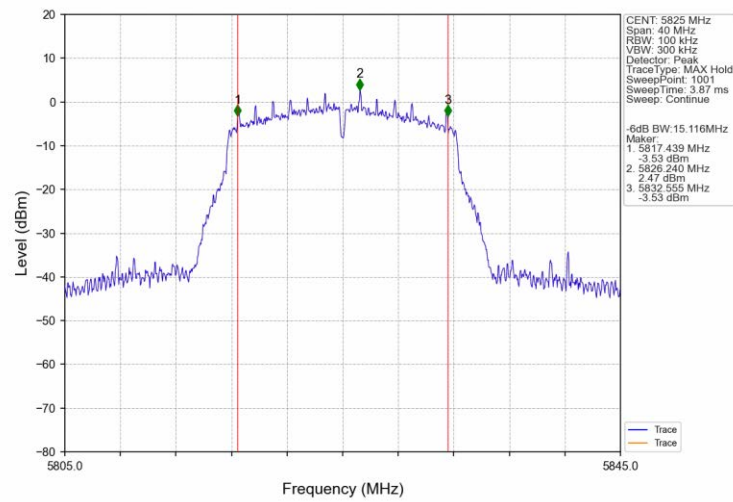
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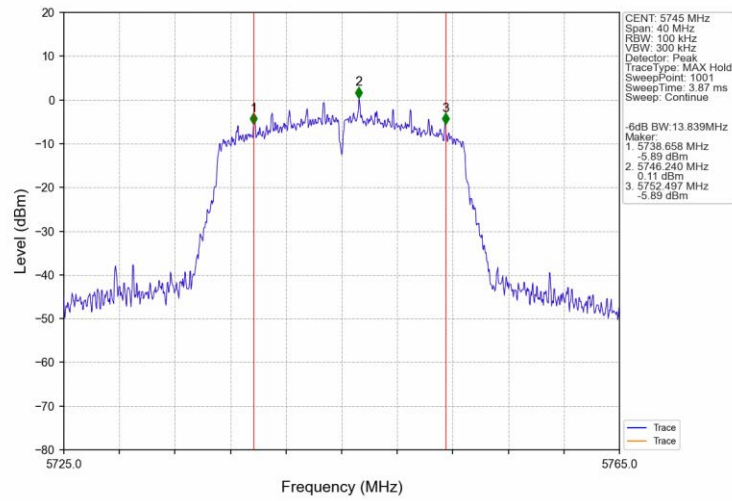
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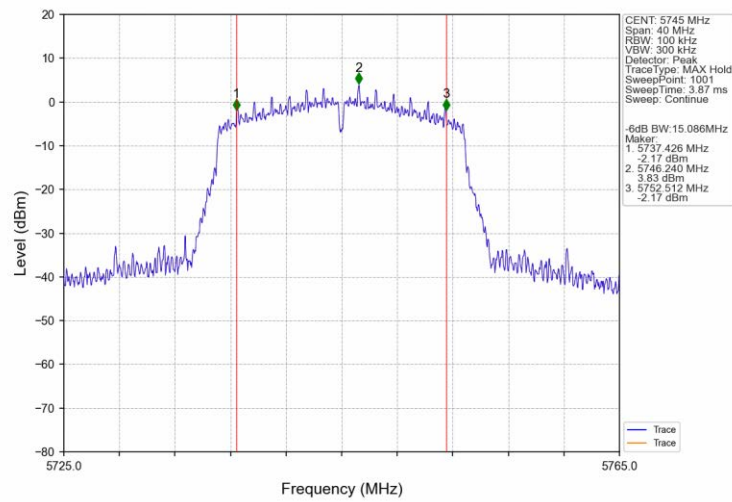
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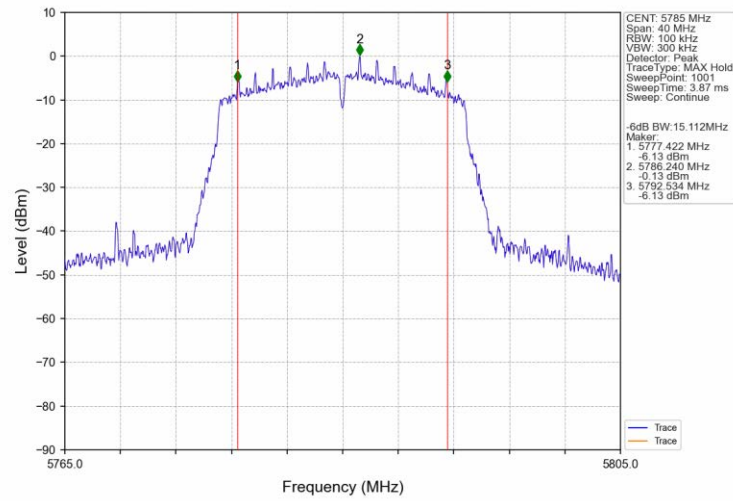
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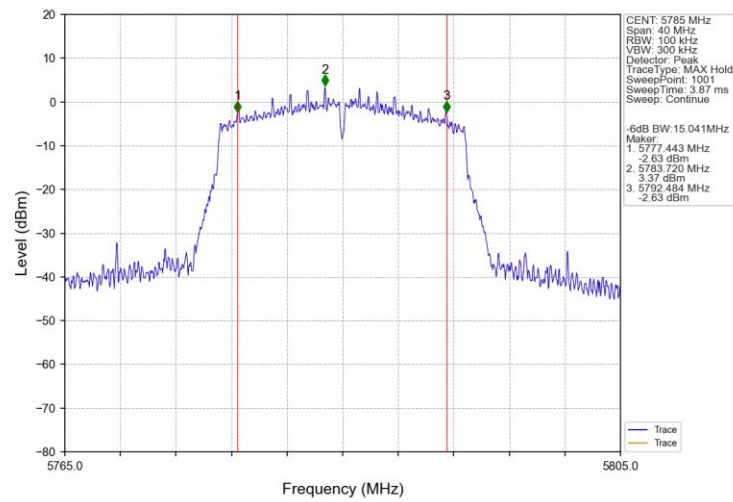
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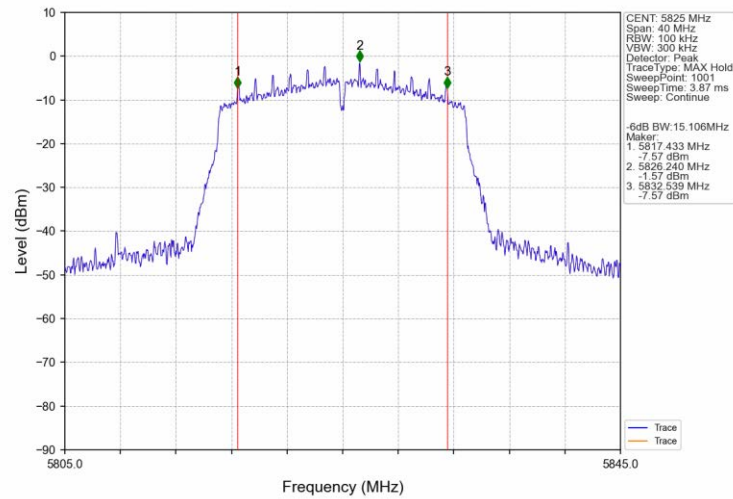
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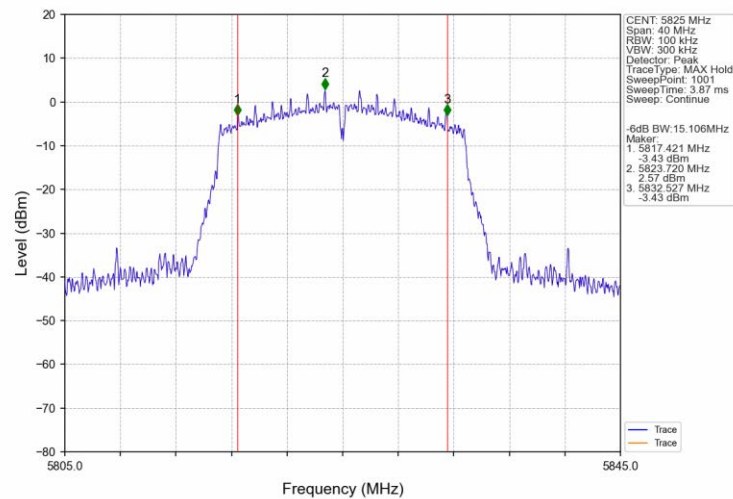
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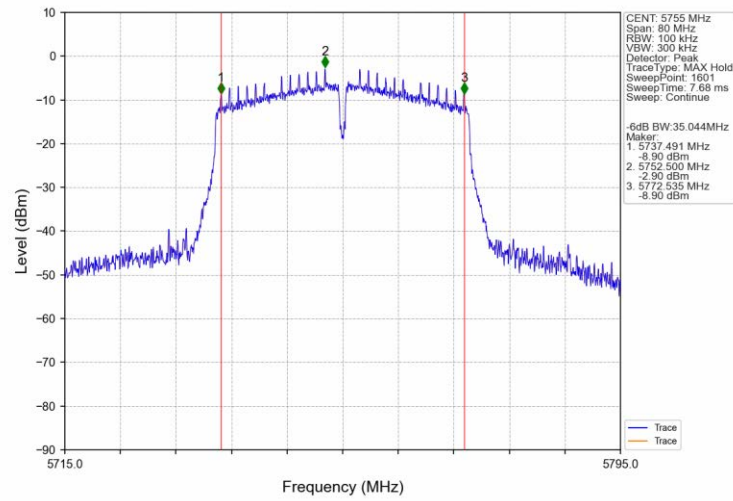
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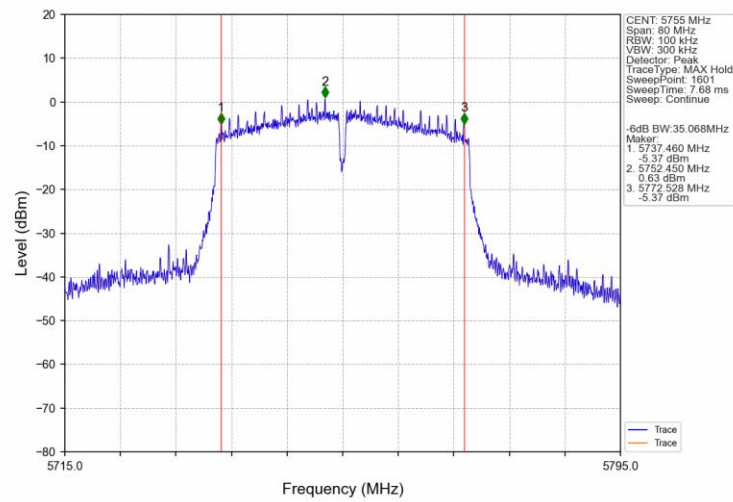
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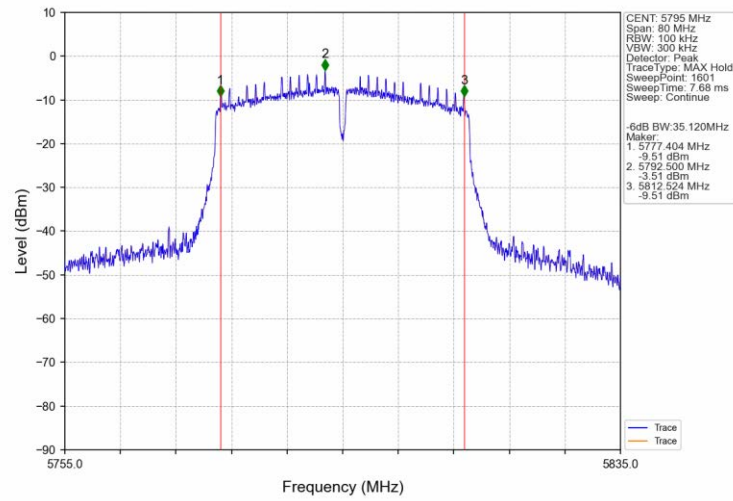
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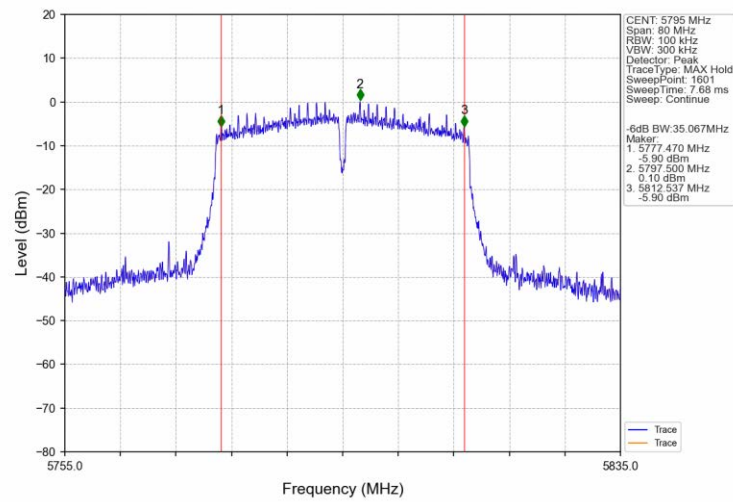
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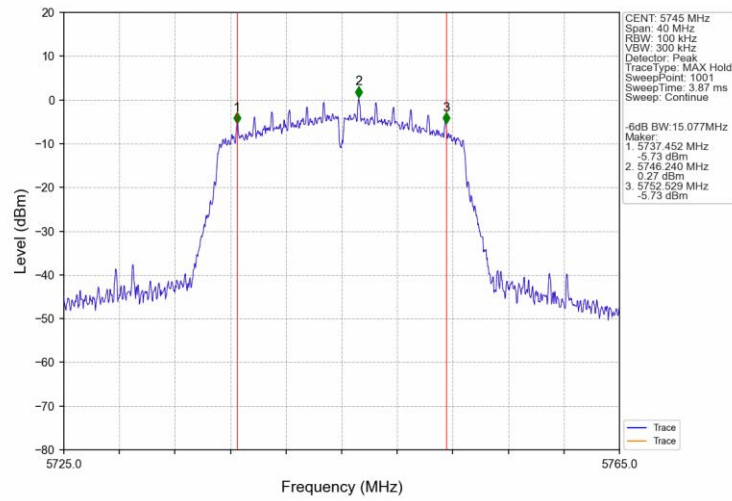
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV

