

1. Duty Cycle

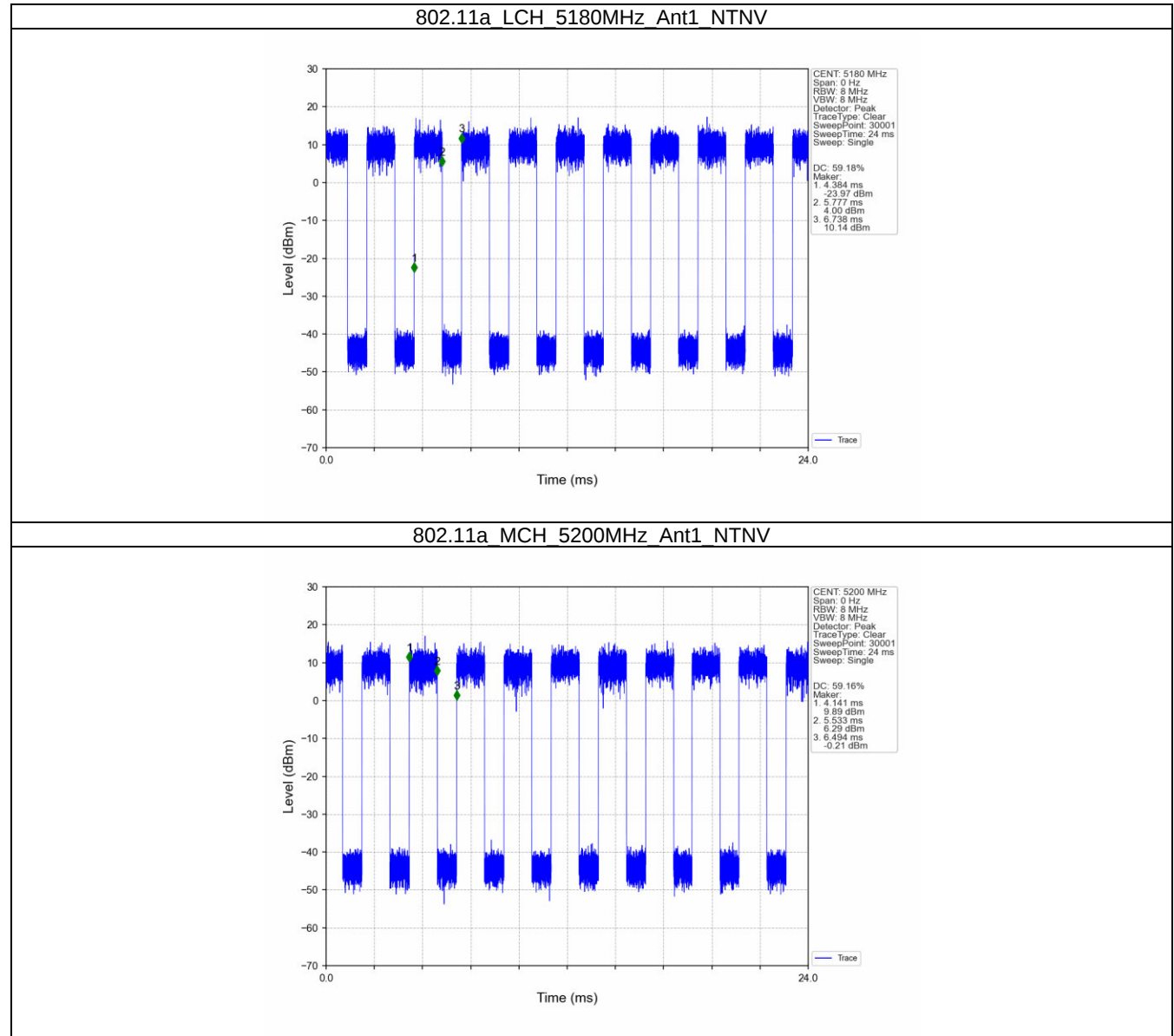
1.1 Test Result

1.1.1 Ant1

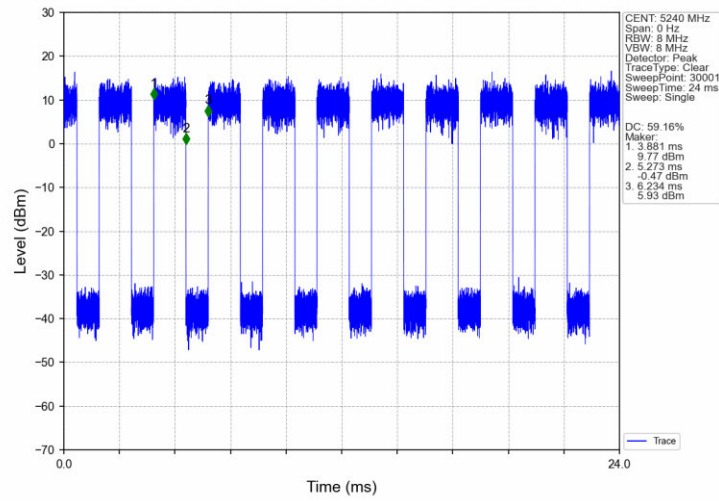
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.393	2.354	59.18	2.28	0.02
		5200	1.392	2.353	59.16	2.28	1.41
		5240	1.392	2.353	59.16	2.28	0.22
		5745	1.393	2.389	58.31	2.34	0.87
		5785	1.393	2.363	58.95	2.30	1.62
		5825	1.392	2.390	58.24	2.35	2.31
802.11n (HT20)	SISO	5180	1.288	2.249	57.27	2.42	0.04
		5200	1.289	2.286	56.39	2.49	2.52
		5240	1.289	2.287	56.36	2.49	0.90
		5745	1.288	2.285	56.37	2.49	0.90
		5785	1.289	2.286	56.39	2.49	2.27
		5825	1.288	2.249	57.27	2.42	0.26
802.11n (HT40)	SISO	5190	0.634	1.612	39.33	4.05	0.45
		5230	0.632	1.594	39.65	4.02	0.03
		5755	0.633	1.657	38.20	4.18	19.41
		5795	0.633	1.594	39.71	4.01	17.88
802.11ac (VHT20)	SISO	5180	1.308	2.269	57.65	2.39	0.01
		5200	1.308	2.279	57.39	2.41	0.26
		5240	1.308	2.279	57.39	2.41	0.28
		5745	1.309	2.271	57.64	2.39	1.42
		5785	1.308	2.269	57.65	2.39	0.04
		5825	1.308	2.270	57.62	2.39	0.01
802.11ac (VHT40)	SISO	5190	0.652	1.713	38.06	4.20	2.38
		5230	0.652	1.614	40.40	3.94	0.25
		5755	0.652	1.614	40.40	3.94	19.39
		5795	0.653	1.722	37.92	4.21	2.76
802.11ac (VHT80)	SISO	5210	0.325	1.285	25.29	5.97	0.01
		5775	0.325	1.717	18.93	7.23	11.00

1.2 Test Graph

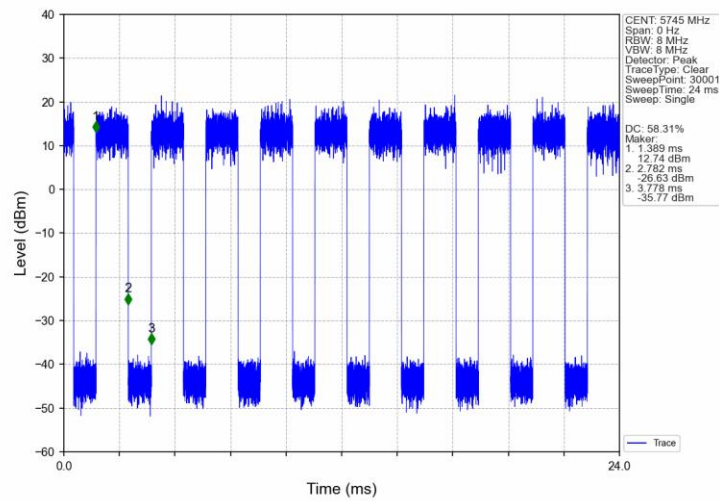
1.2.1 Ant1



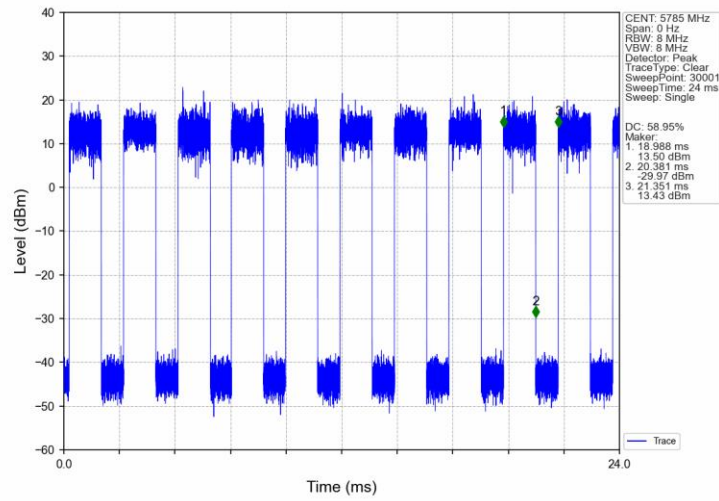
802.11a_HCH_5240MHz_Ant1_NTNV



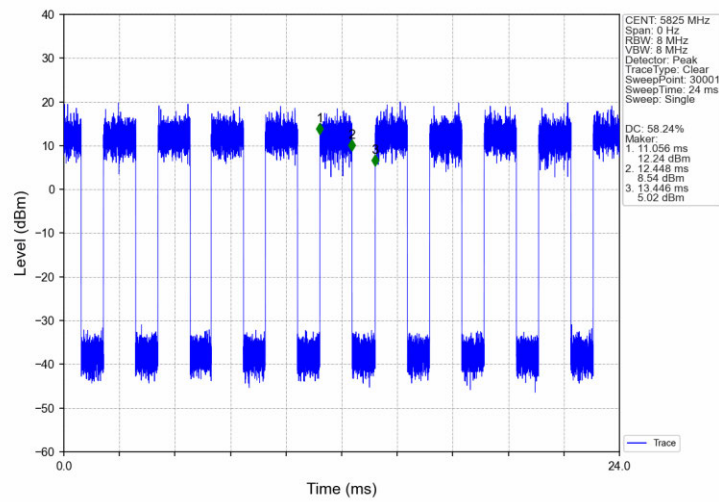
802.11a_LCH_5745MHz_Ant1_NTNV



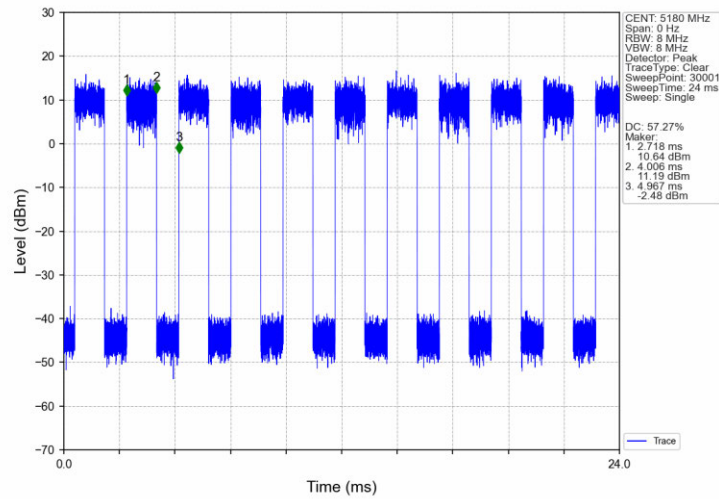
802.11a_MCH_5785MHz_Ant1_NTNV



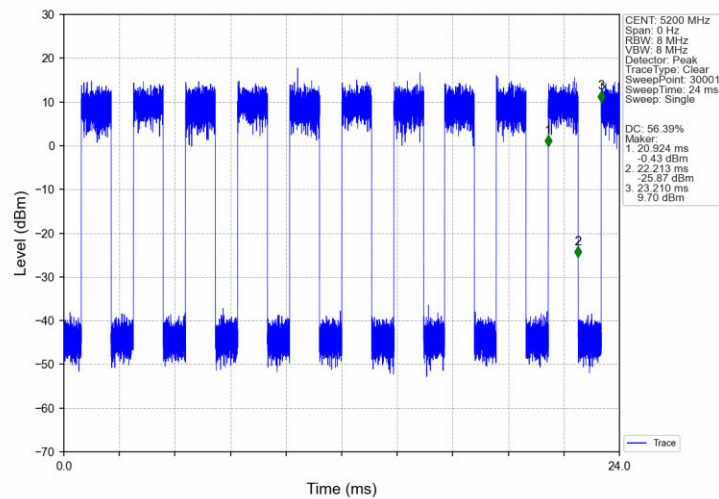
802.11a_HCH_5825MHz_Ant1_NTNV



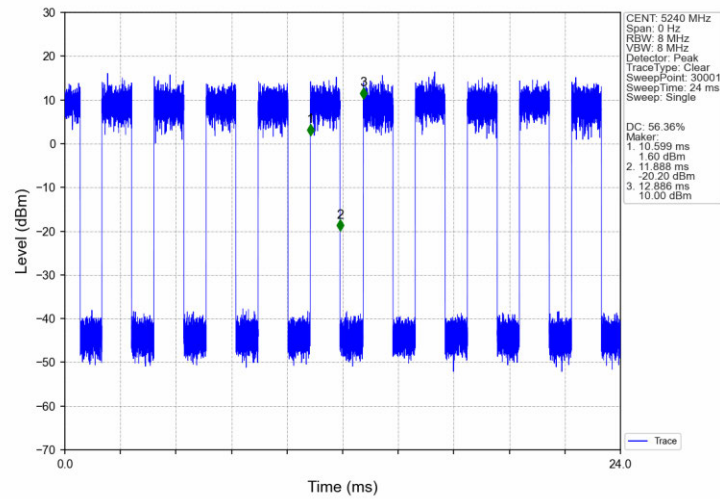
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



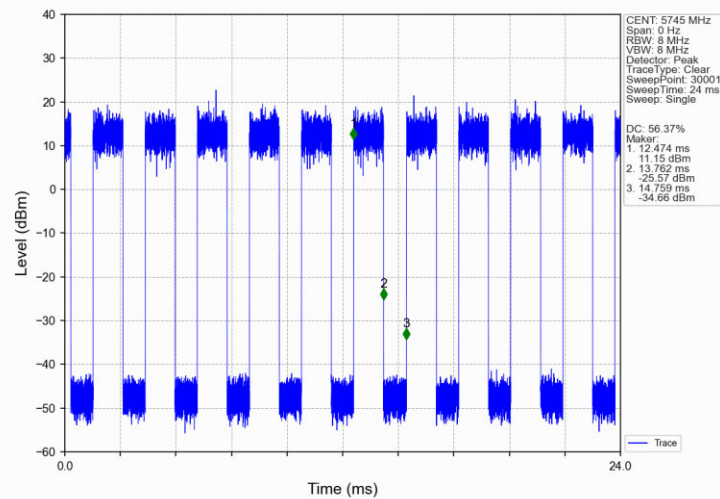
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



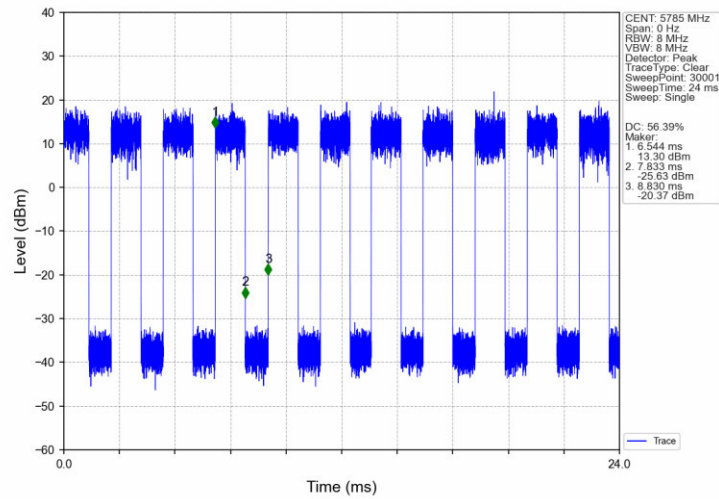
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



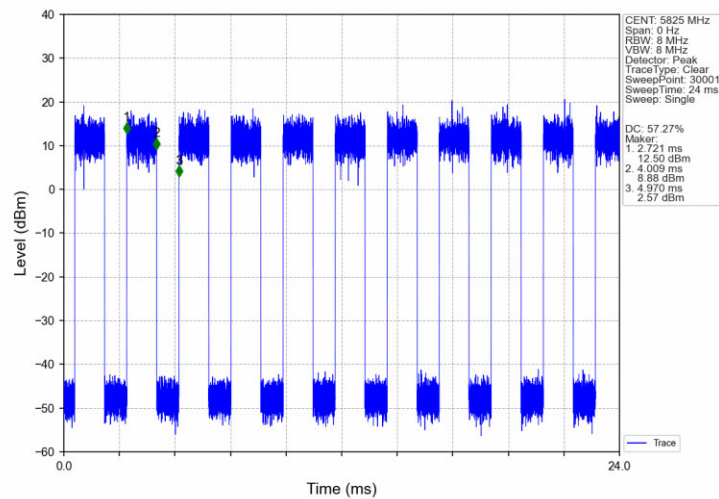
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



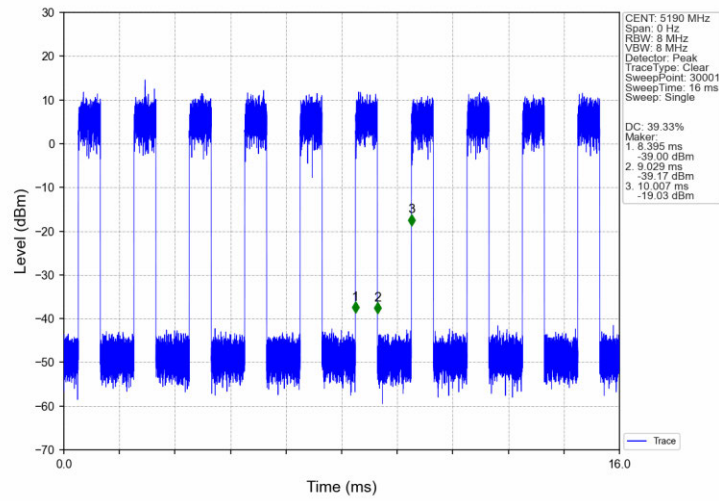
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



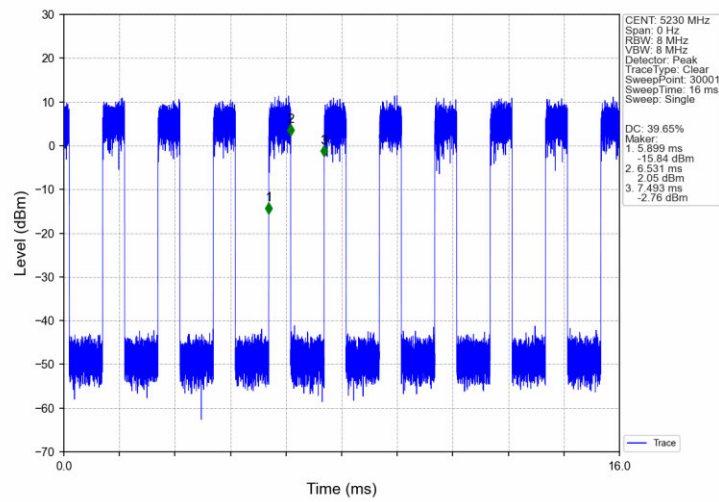
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



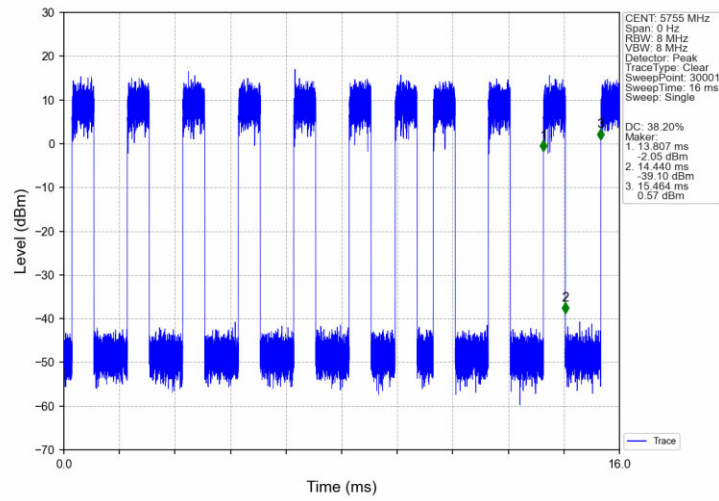
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



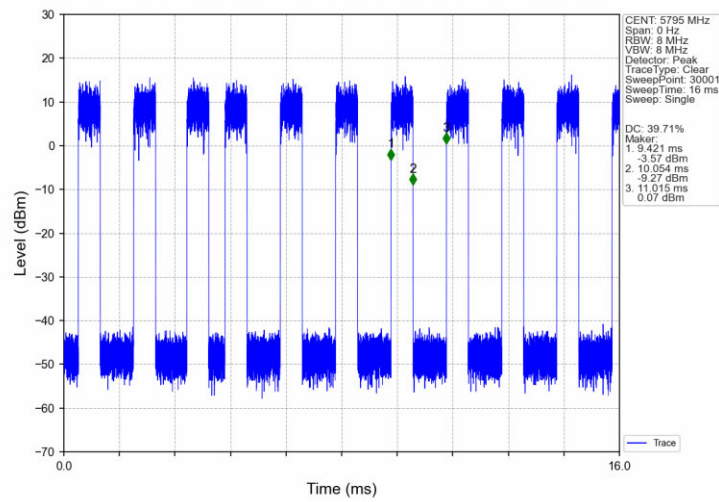
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



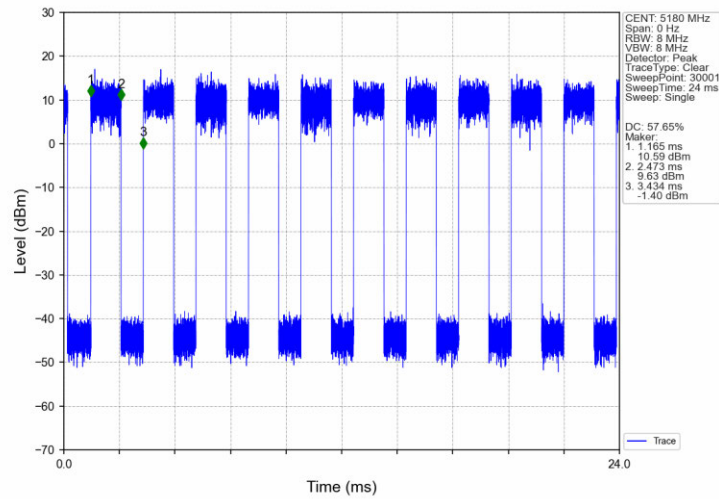
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



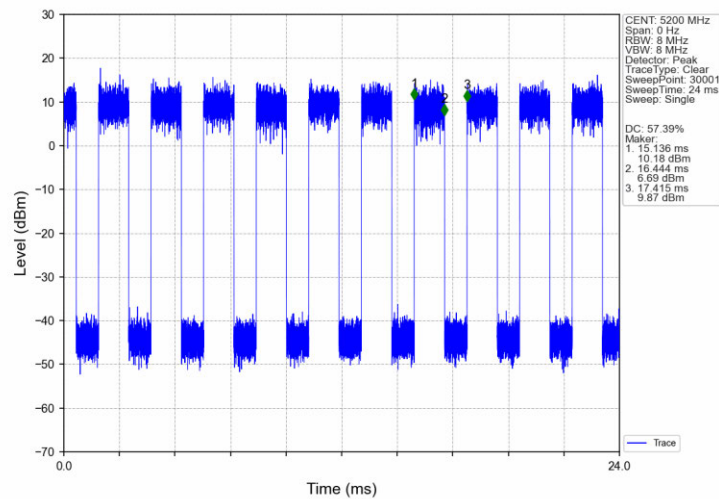
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



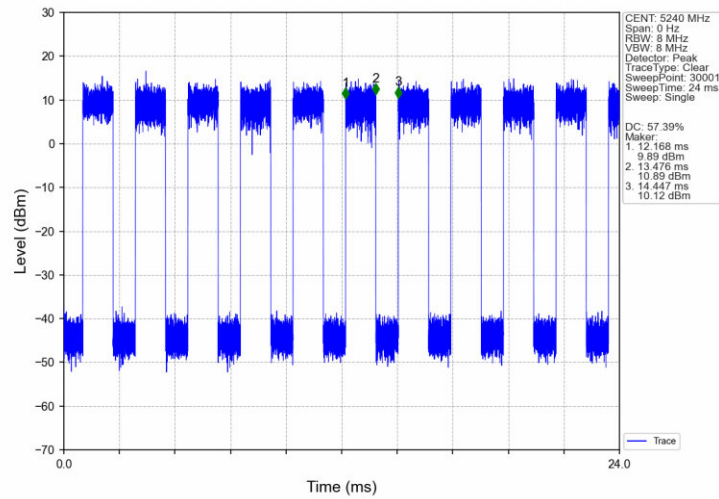
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



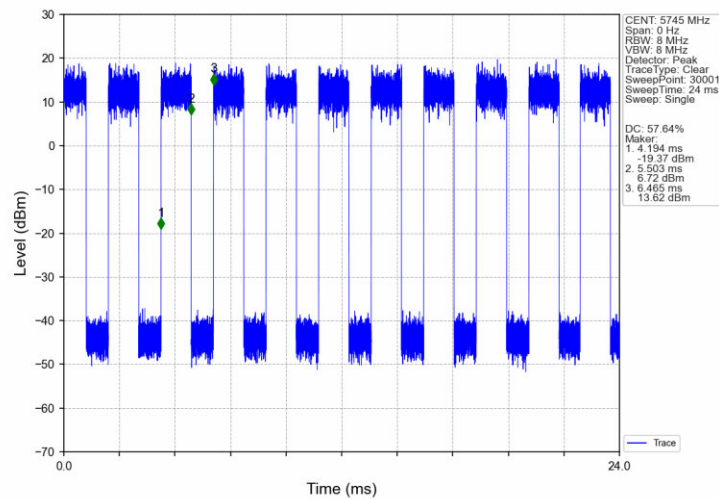
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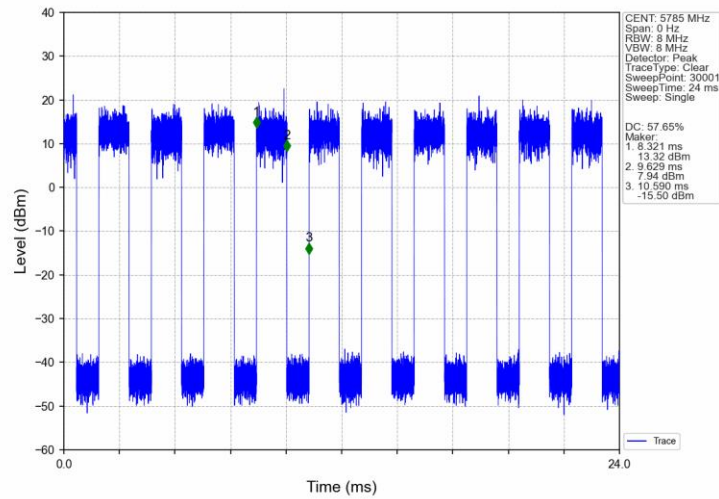
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



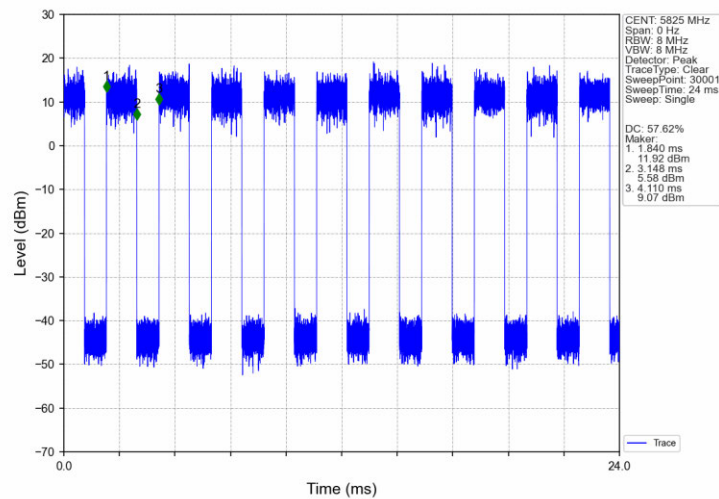
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



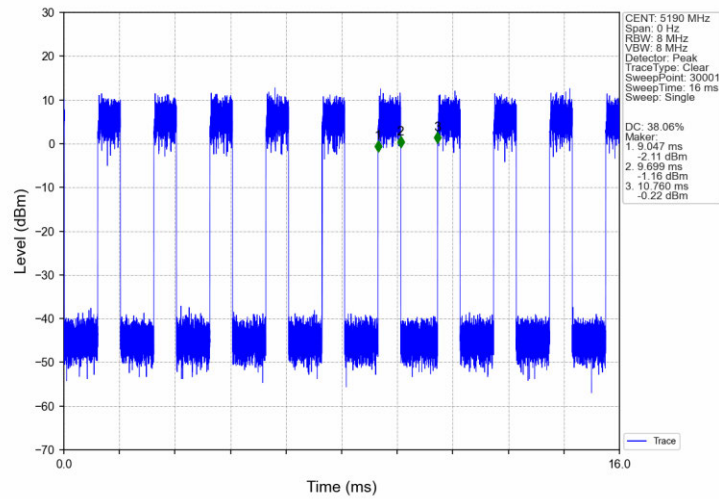
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



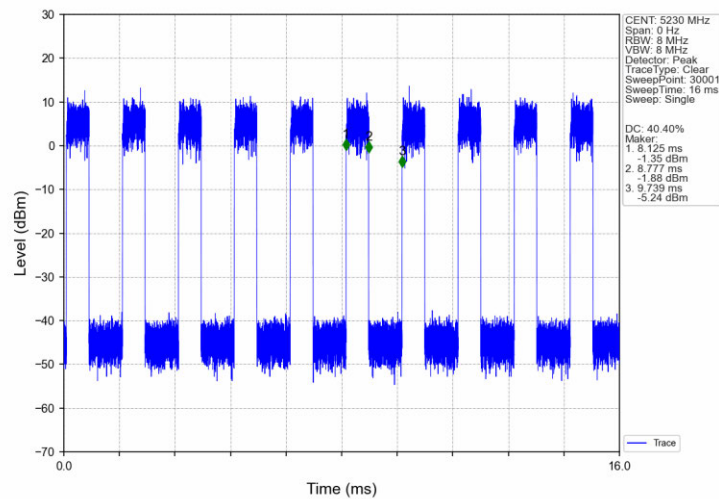
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



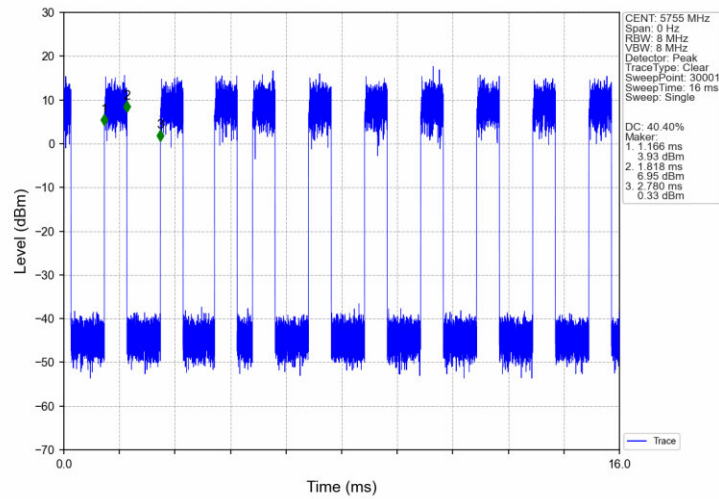
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



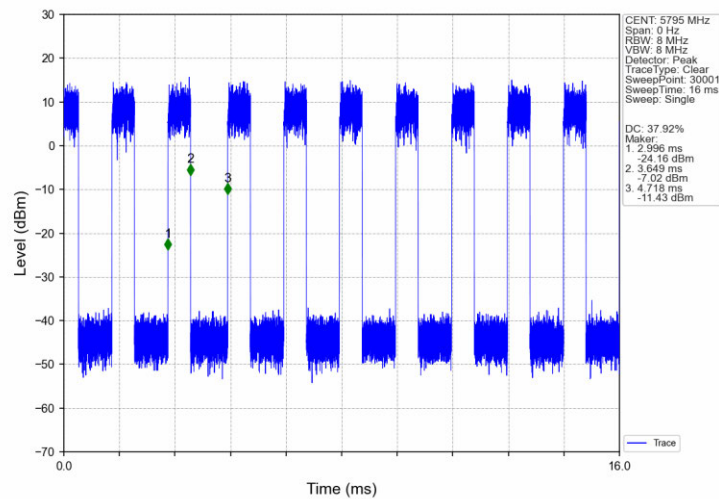
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



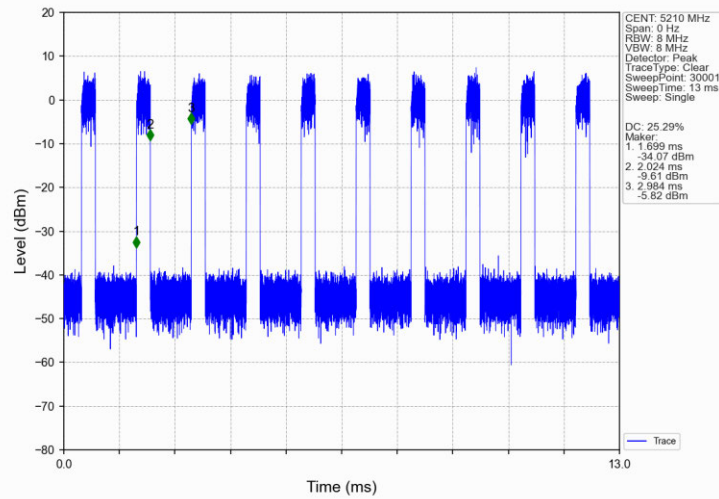
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



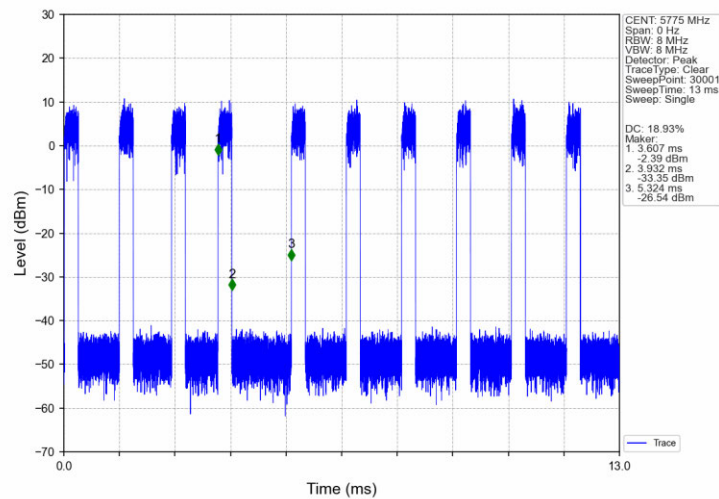
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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	17.268	/	Pass
		5200	1	17.409	/	Pass
		5240	1	17.266	/	Pass
		5745	1	17.485	/	Pass
		5785	1	17.630	/	Pass
		5825	1	17.485	/	Pass
802.11n (HT20)	SISO	5180	1	18.198	/	Pass
		5200	1	18.359	/	Pass
		5240	1	18.159	/	Pass
		5745	1	18.433	/	Pass
		5785	1	18.314	/	Pass
		5825	1	18.187	/	Pass
802.11n (HT40)	SISO	5190	1	36.571	/	Pass
		5230	1	36.661	/	Pass
		5755	1	36.355	/	Pass
		5795	1	36.569	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.123	/	Pass
		5200	1	18.106	/	Pass
		5240	1	18.148	/	Pass
		5745	1	18.278	/	Pass
		5785	1	18.364	/	Pass
		5825	1	18.312	/	Pass
802.11ac (VHT40)	SISO	5190	1	36.385	/	Pass
		5230	1	36.325	/	Pass
		5755	1	36.571	/	Pass
		5795	1	36.586	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.249	/	Pass
		5775	1	76.442	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.105	≥ 0.5	Pass
		5785	1	15.111	≥ 0.5	Pass
		5825	1	15.118	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	15.075	≥ 0.5	Pass
		5785	1	15.126	≥ 0.5	Pass
		5825	1	15.117	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.113	≥ 0.5	Pass
		5795	1	35.140	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.102	≥ 0.5	Pass
		5785	1	15.115	≥ 0.5	Pass
		5825	1	15.113	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.117	≥ 0.5	Pass
		5795	1	35.144	≥ 0.5	Pass

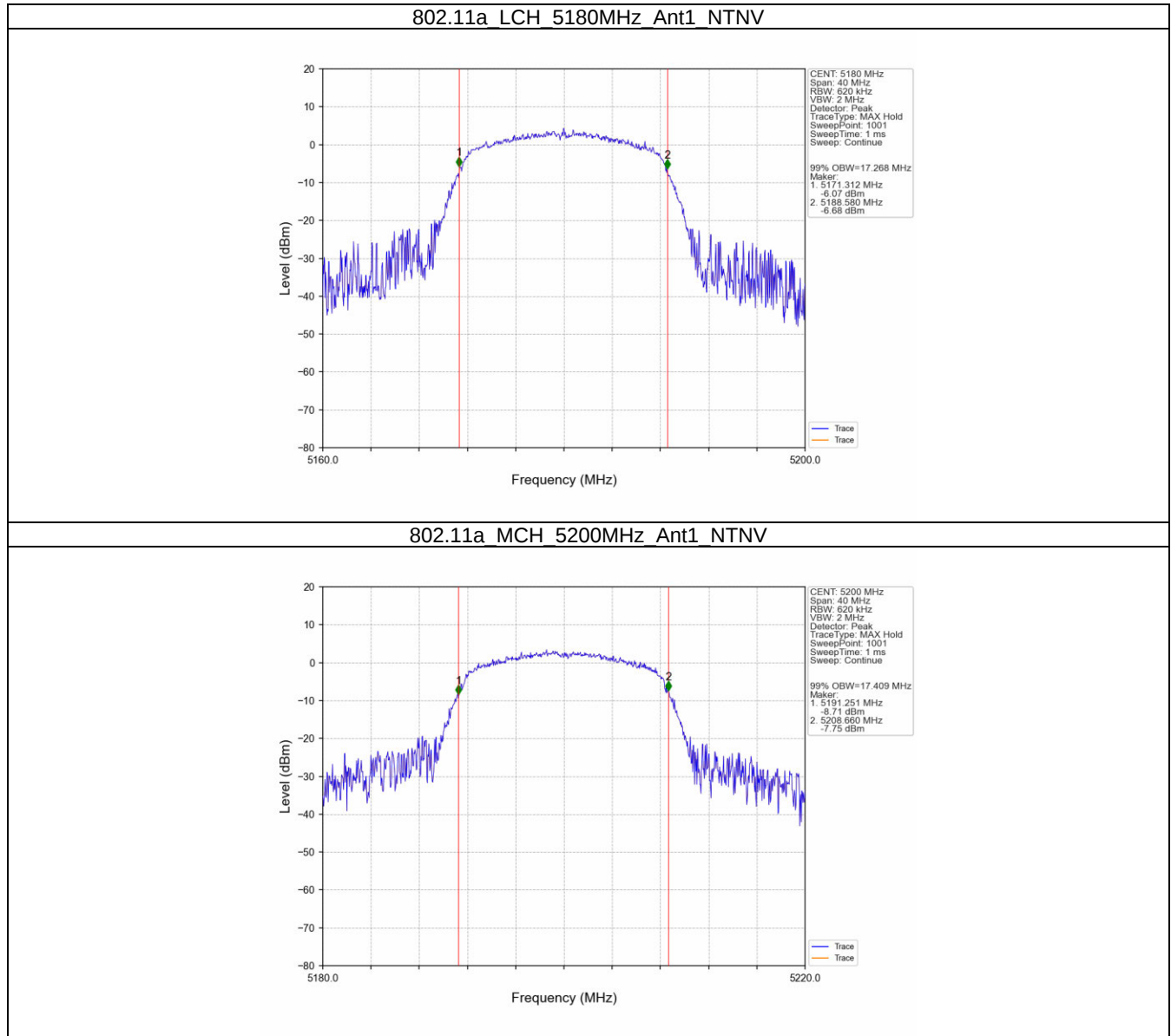
802.11ac (VHT80)	SISO	5775	1	76.068	≥ 0.5	Pass
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2.1.3 26dB BW

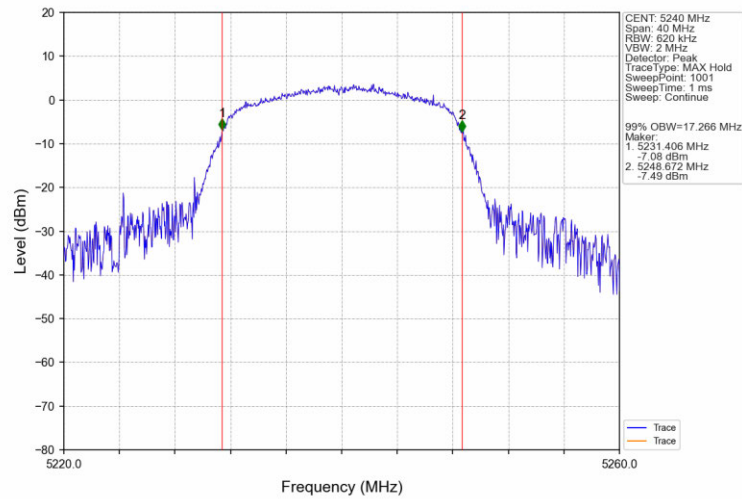
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	19.809	/	Pass
		5200	1	19.963	/	Pass
		5240	1	19.851	/	Pass
802.11n (HT20)	SISO	5180	1	19.984	/	Pass
		5200	1	20.148	/	Pass
		5240	1	20.134	/	Pass
802.11n (HT40)	SISO	5190	1	40.358	/	Pass
		5230	1	40.175	/	Pass
802.11ac (VHT20)	SISO	5180	1	20.136	/	Pass
		5200	1	20.162	/	Pass
		5240	1	20.096	/	Pass
802.11ac (VHT40)	SISO	5190	1	40.602	/	Pass
		5230	1	40.253	/	Pass
802.11ac (VHT80)	SISO	5210	1	80.480	/	Pass

2.2 Test Graph

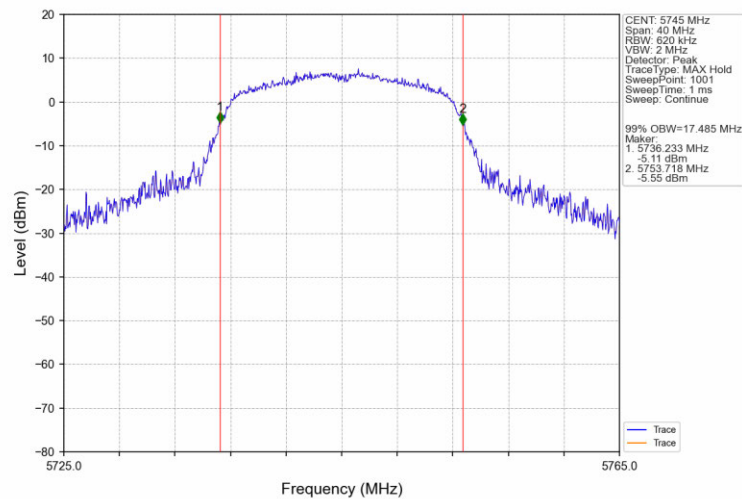
2.2.1 OBW



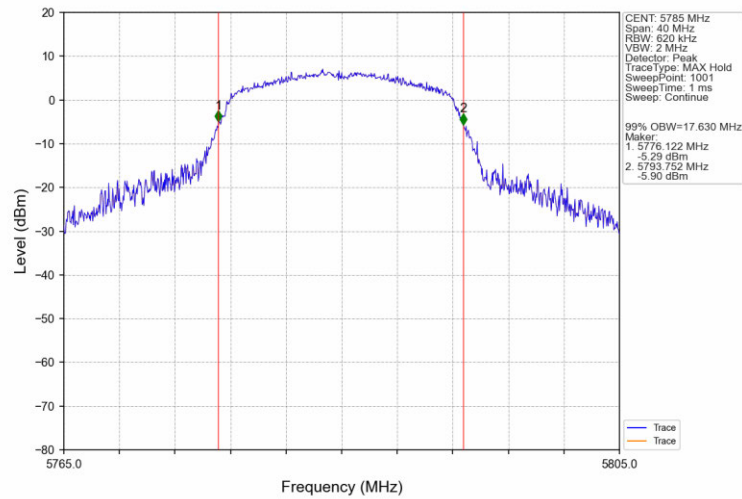
802.11a_HCH_5240MHz_Ant1_NTNV



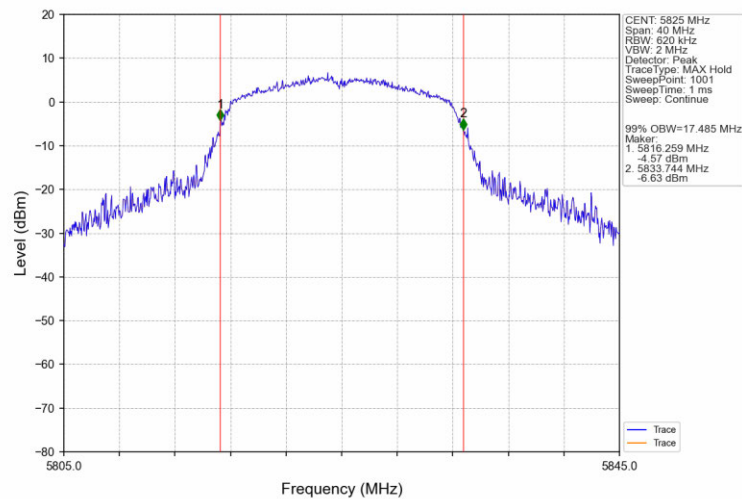
802.11a_LCH_5745MHz_Ant1_NTNV



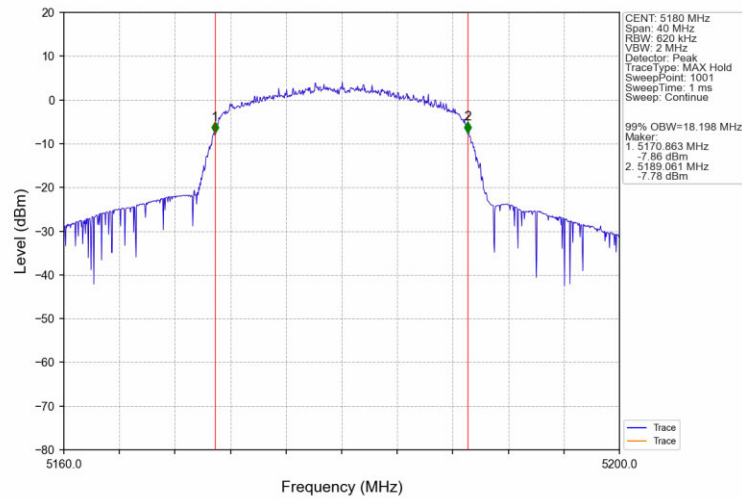
802.11a_MCH_5785MHz_Ant1_NTNV



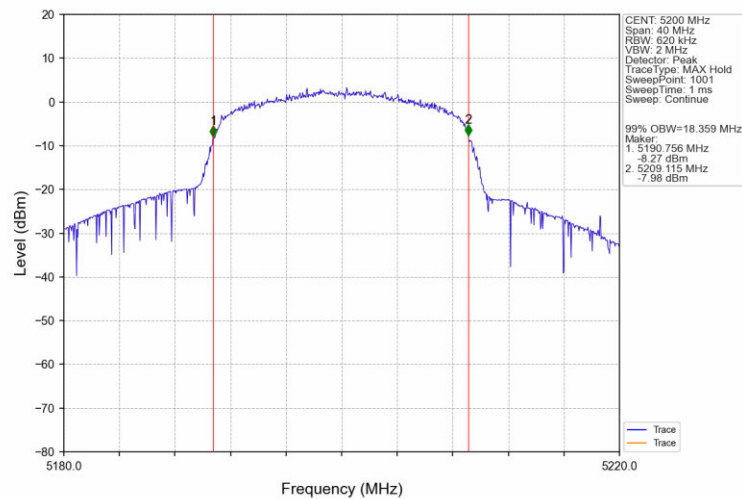
802.11a_HCH_5825MHz_Ant1_NTNV



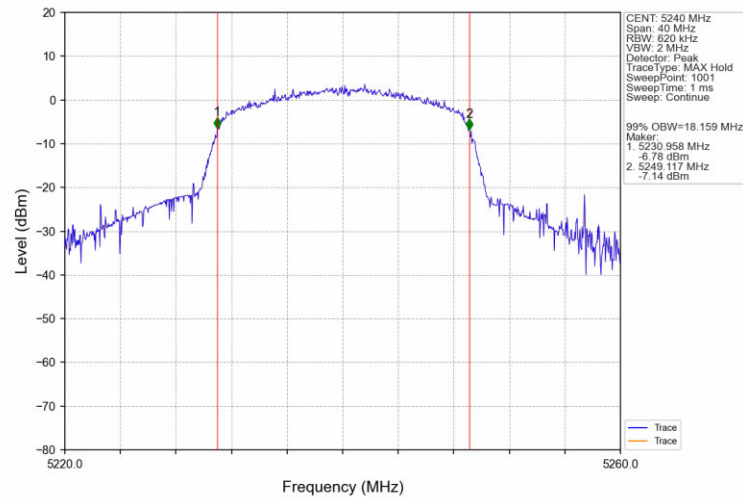
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



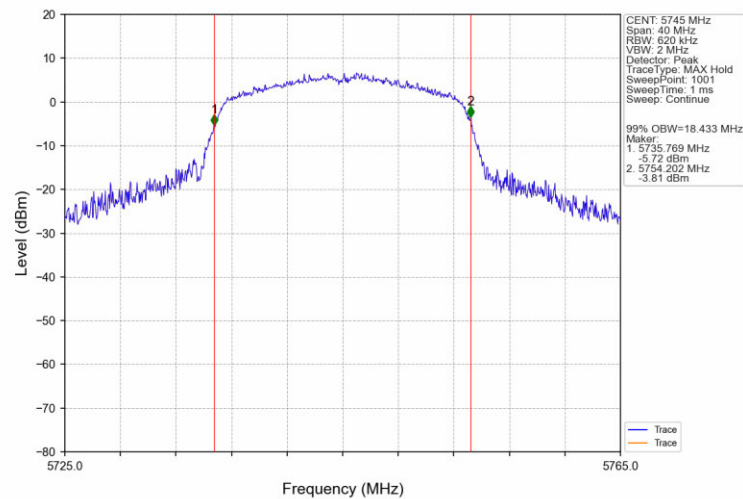
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



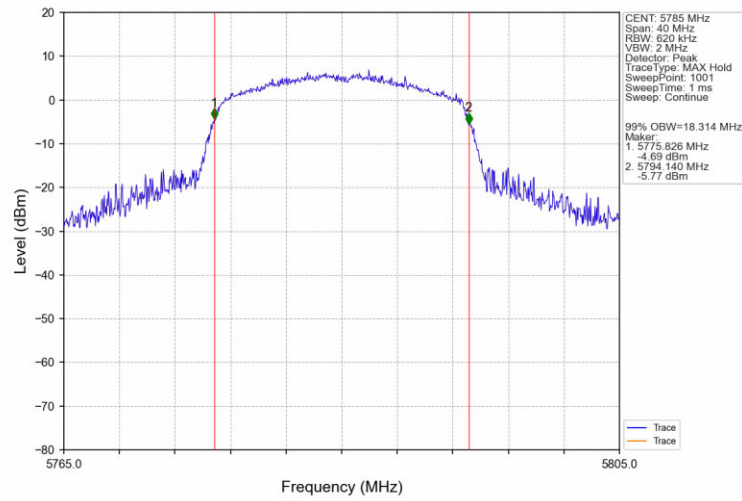
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



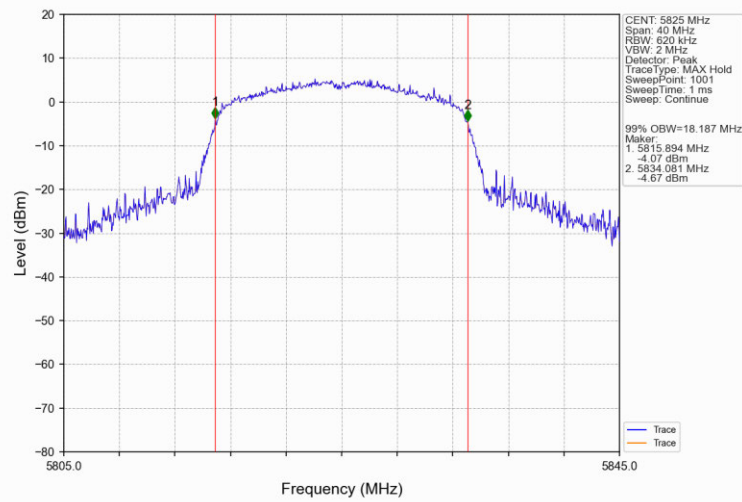
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



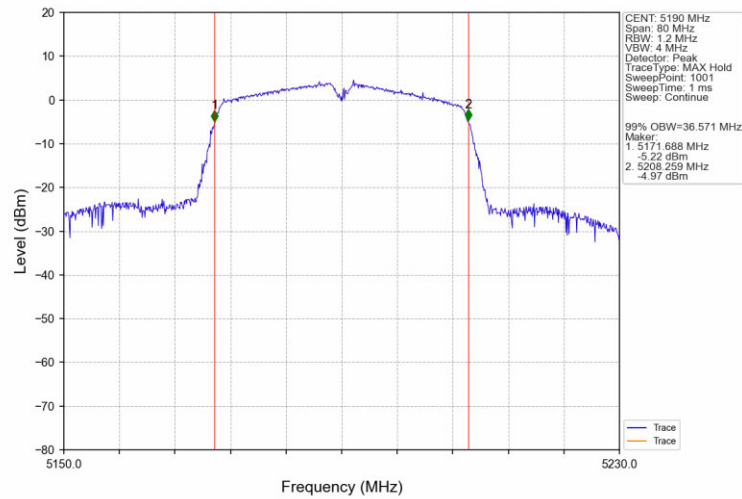
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



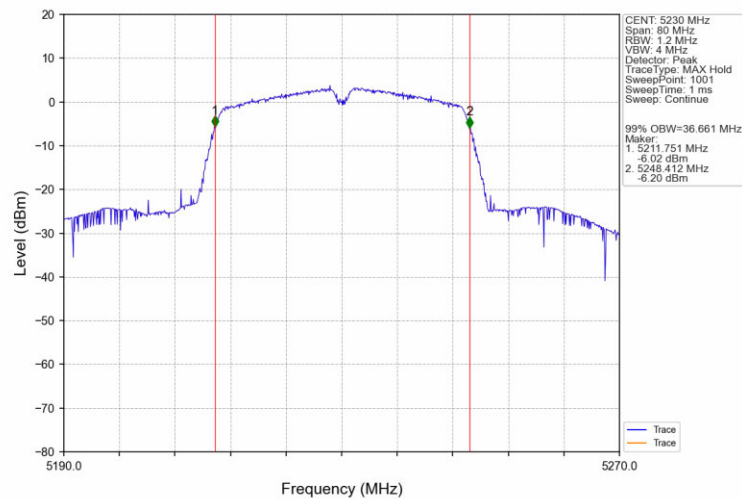
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



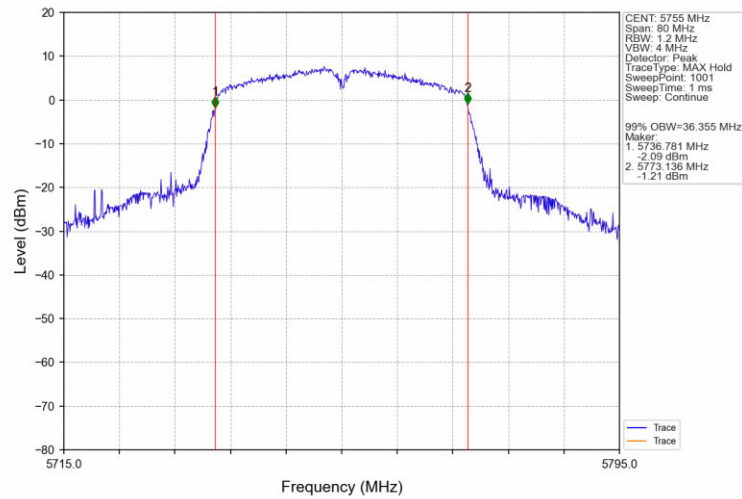
802.11n(HT40) LCH 5190MHz Ant1_NTNV



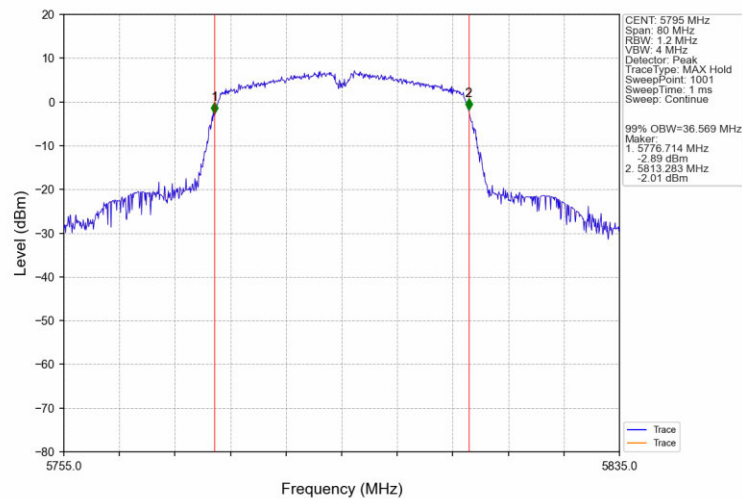
802.11n(HT40) HCH 5230MHz Ant1_NTNV



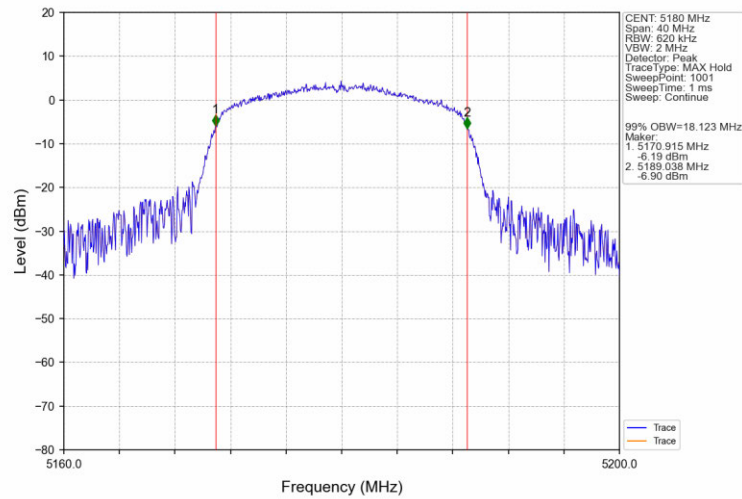
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



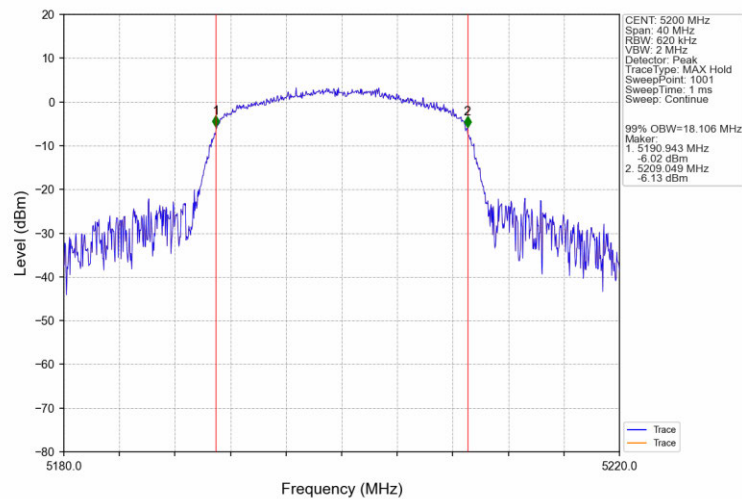
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



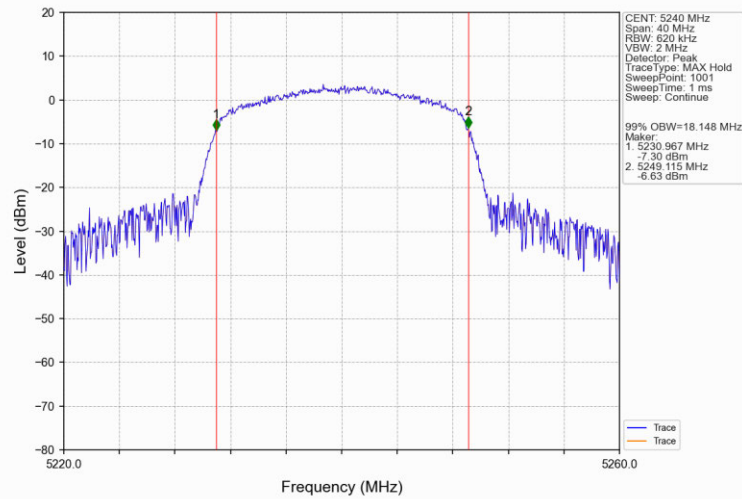
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



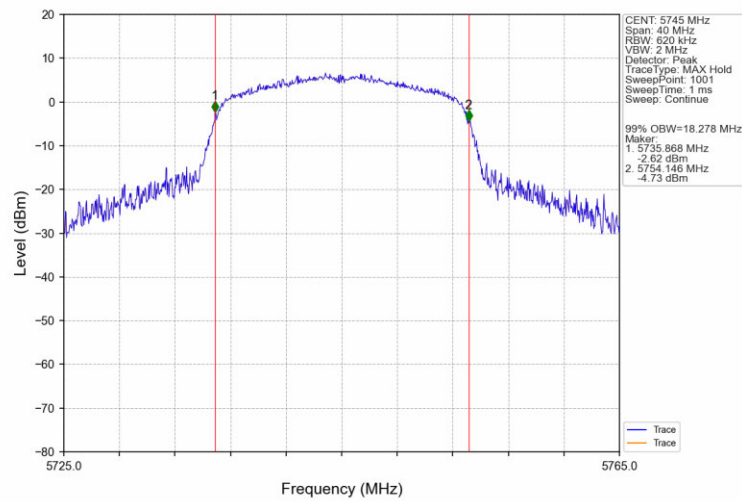
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



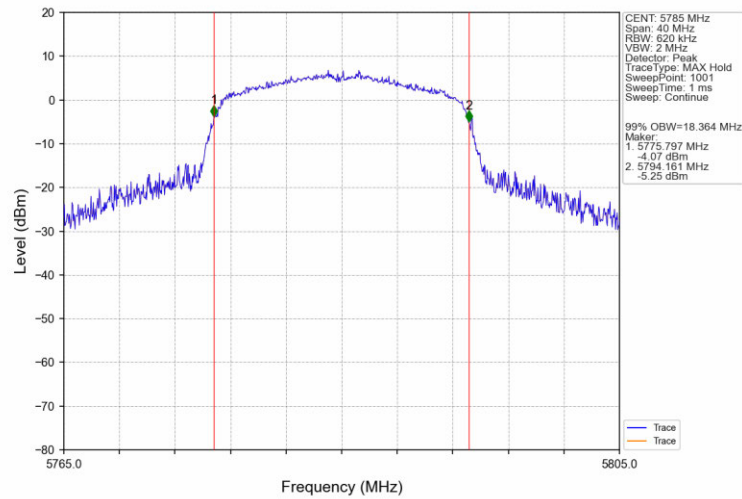
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



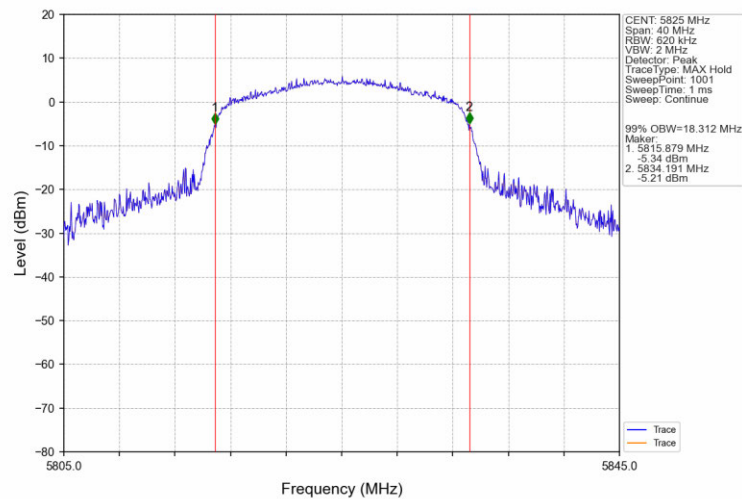
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



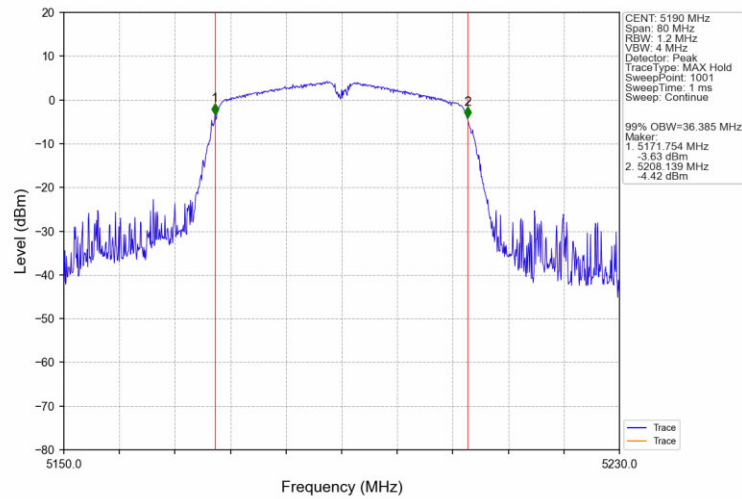
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



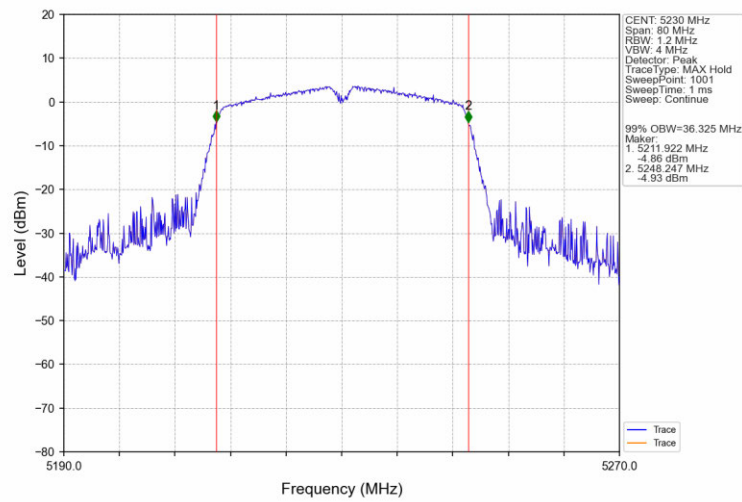
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



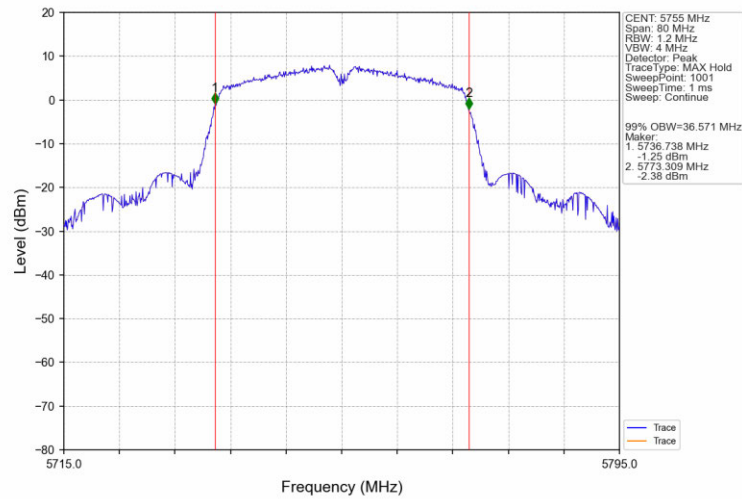
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



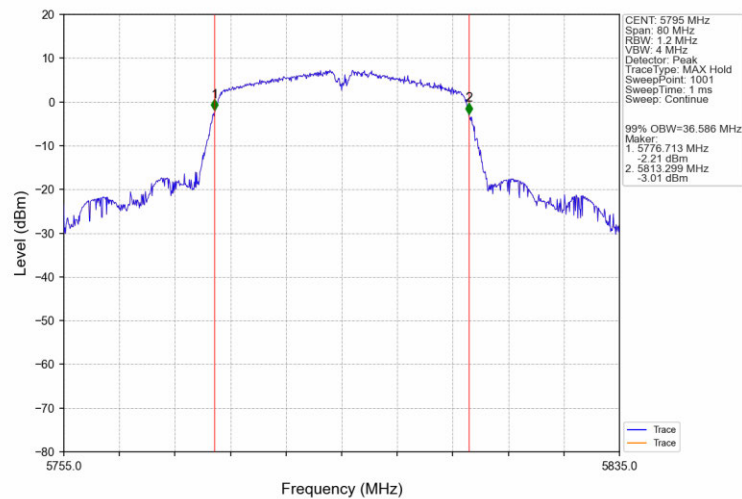
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



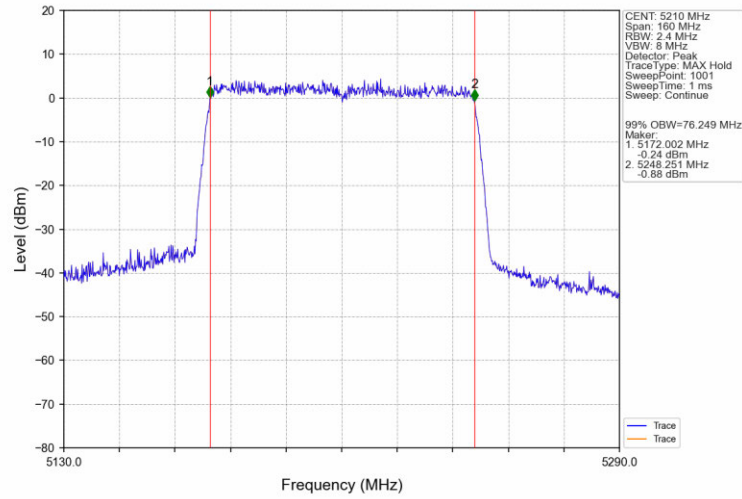
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



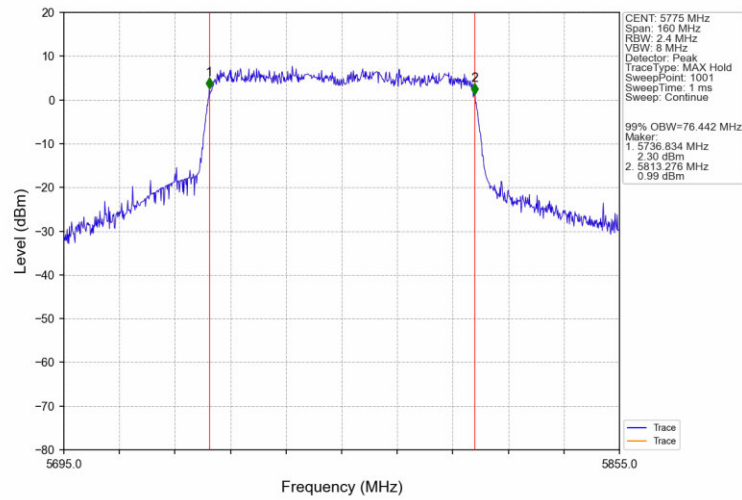
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

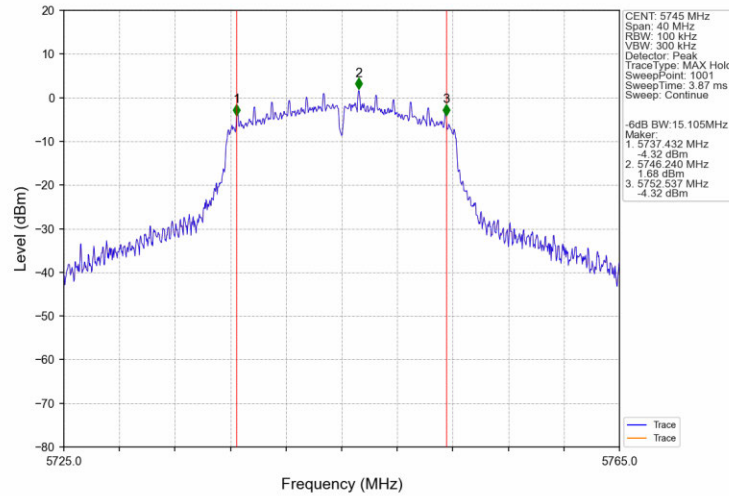


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

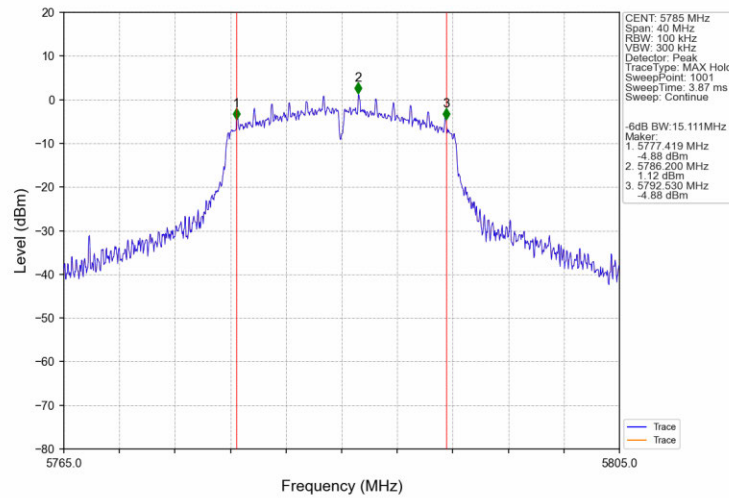


2.2.2 6dB BW

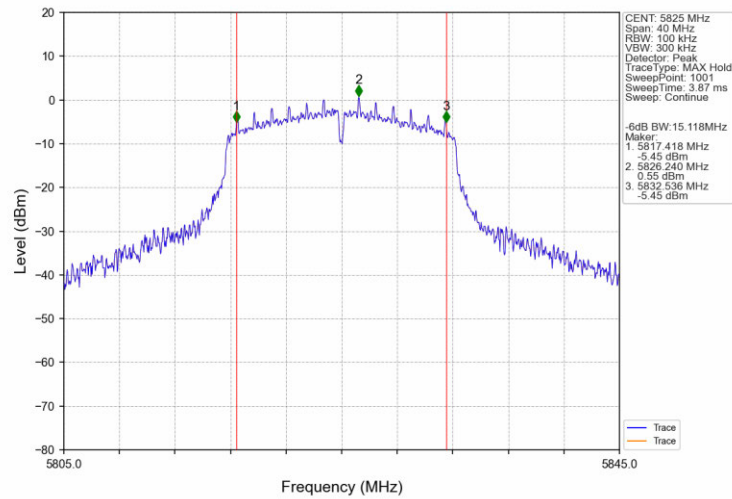
802.11a LCH 5745MHz Ant1 NTN



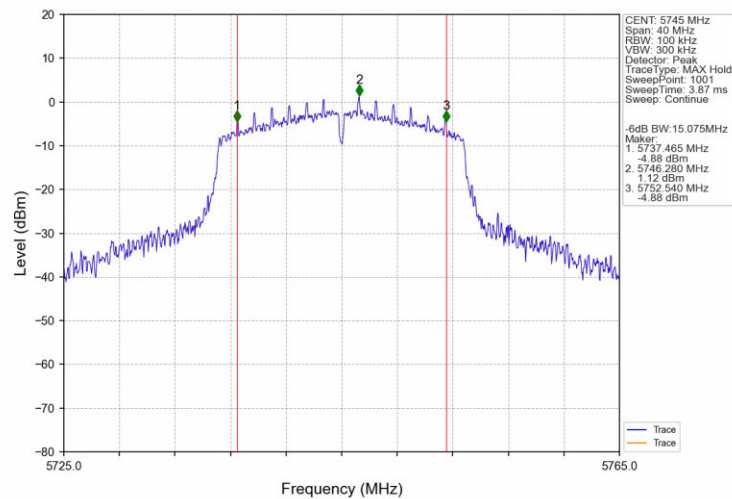
802.11a MCH 5785MHz Ant1 NTN



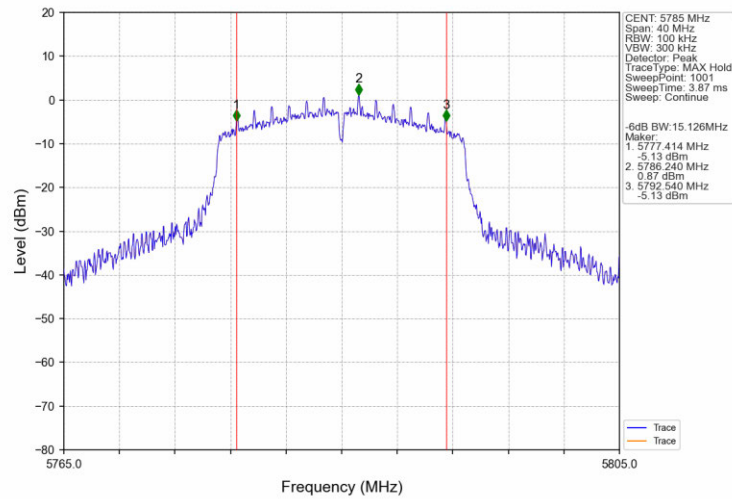
802.11a_HCH_5825MHz_Ant1_NTNV



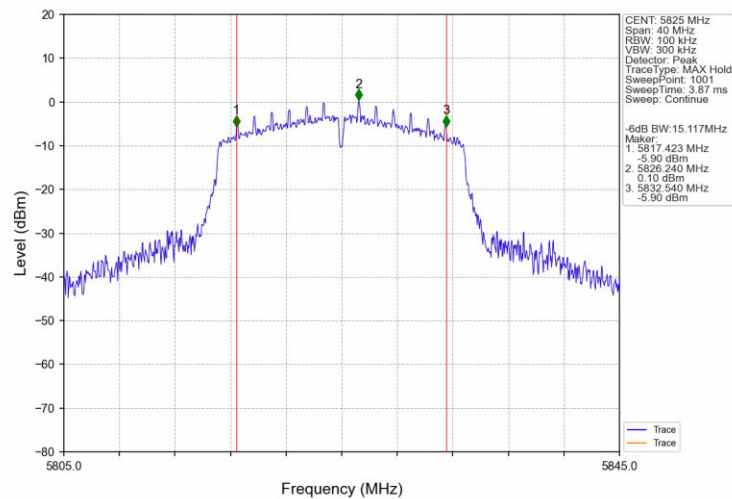
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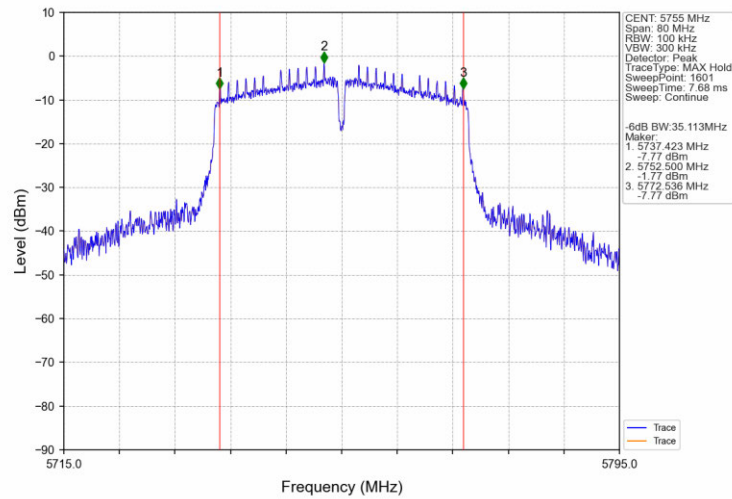
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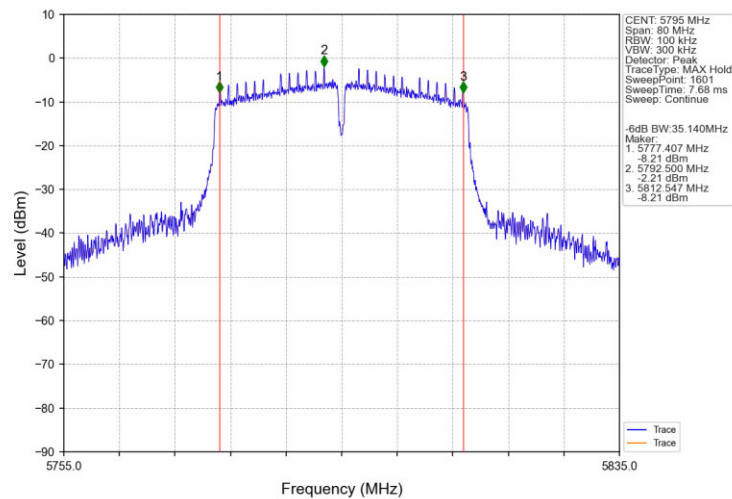
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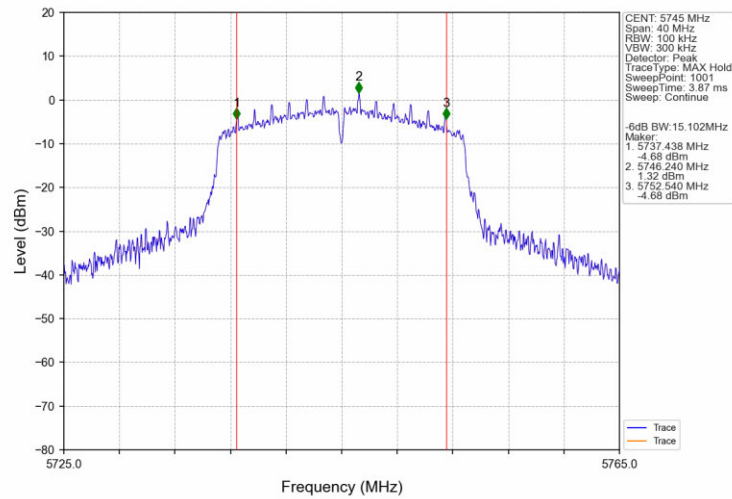
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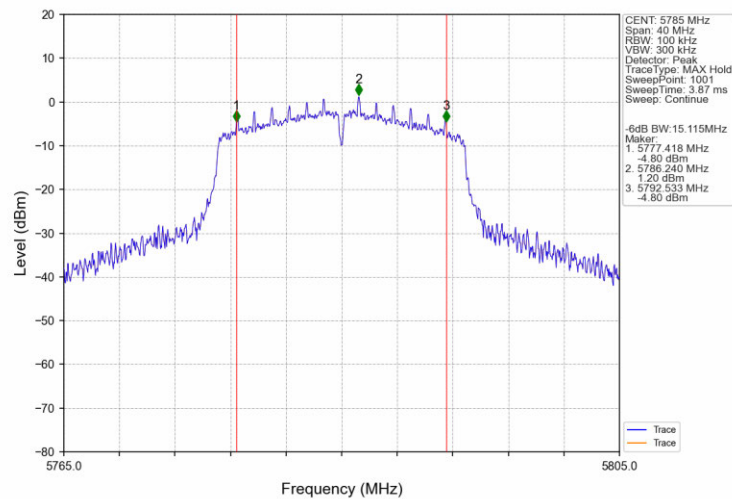
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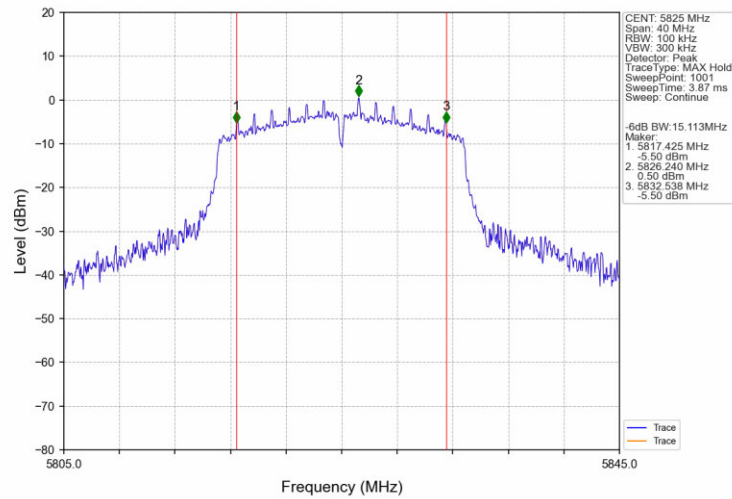
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



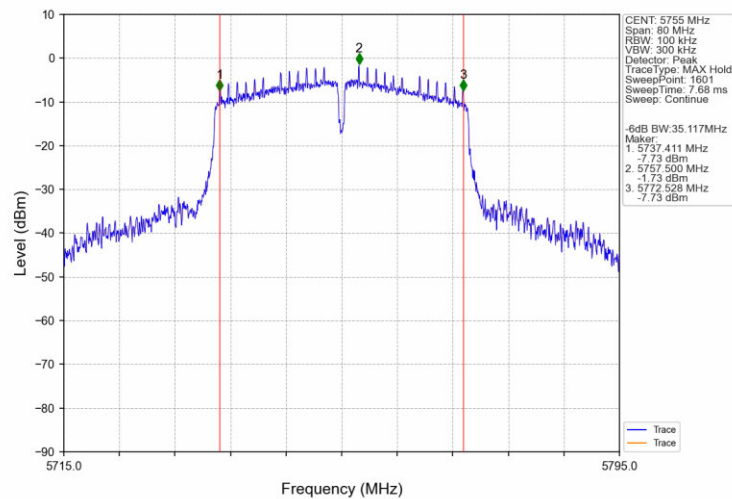
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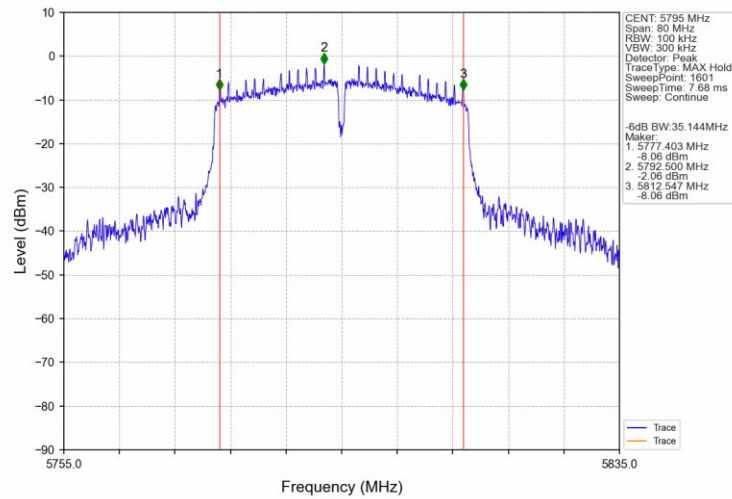
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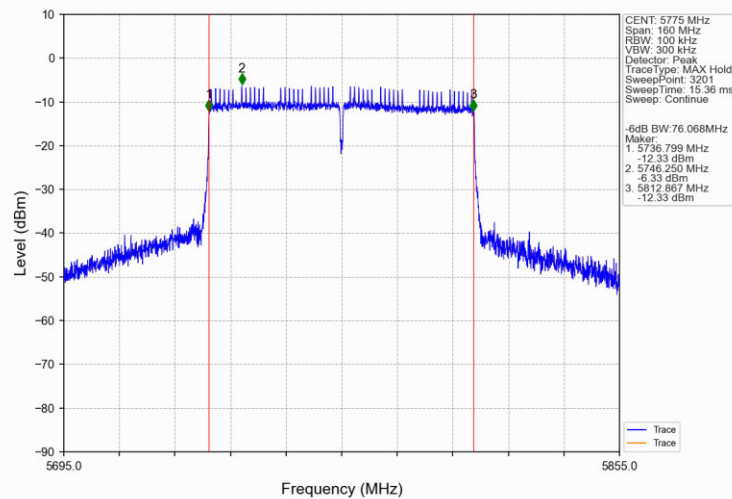
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

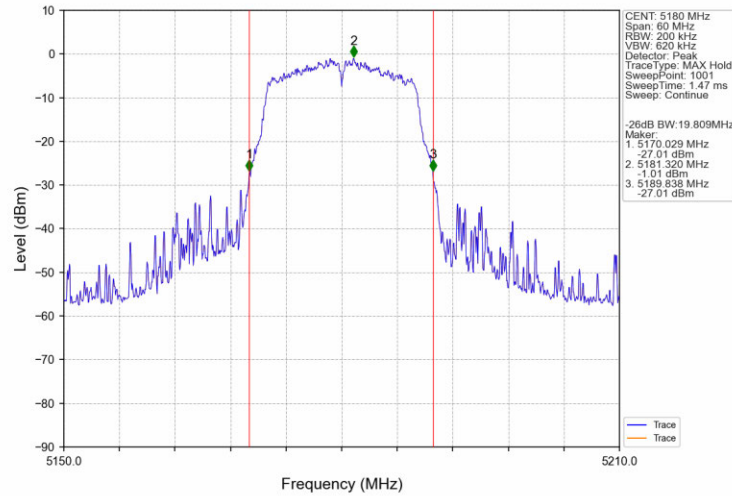


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

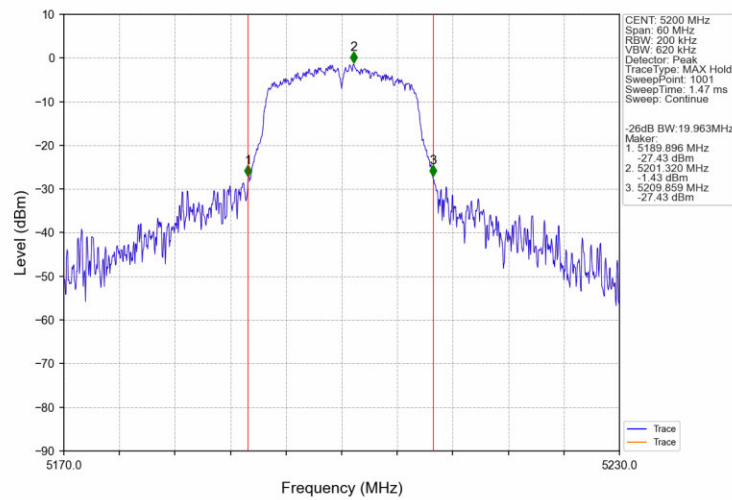


2.2.3 26dB BW

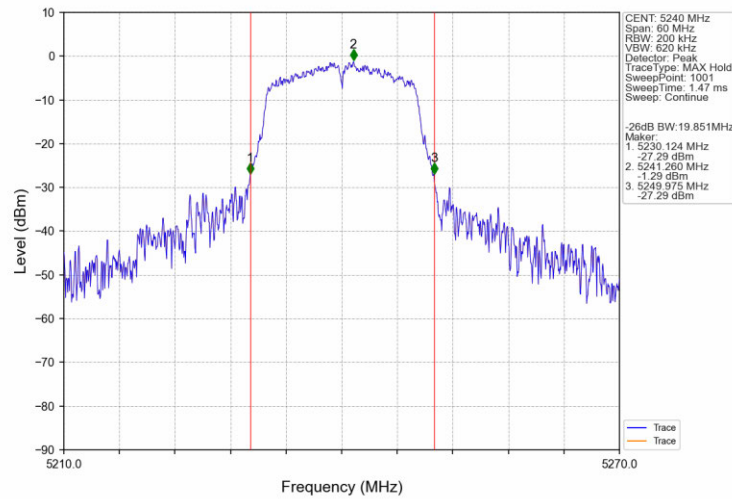
802.11a LCH 5180MHz Ant1 NTN



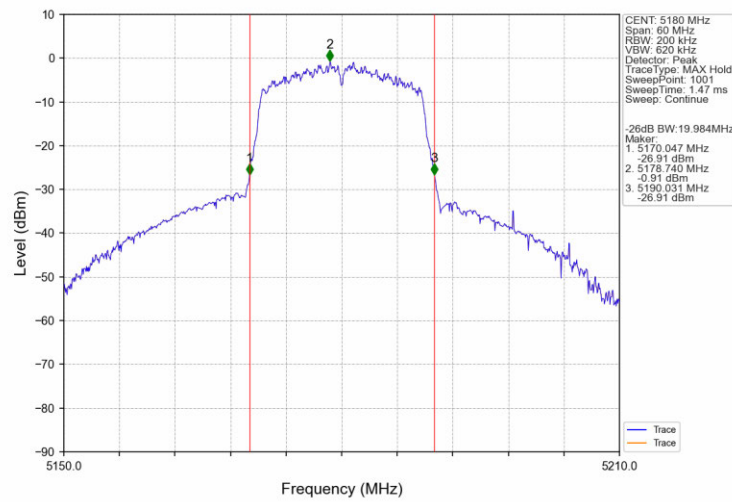
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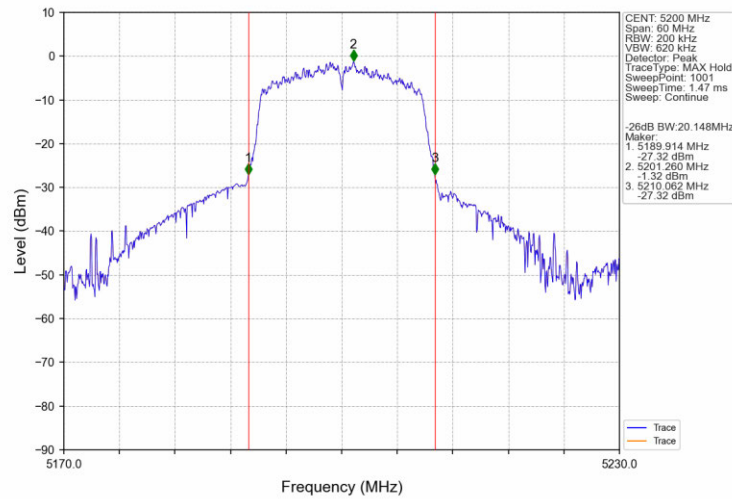
802.11a_HCH_5240MHz_Ant1_NTNV



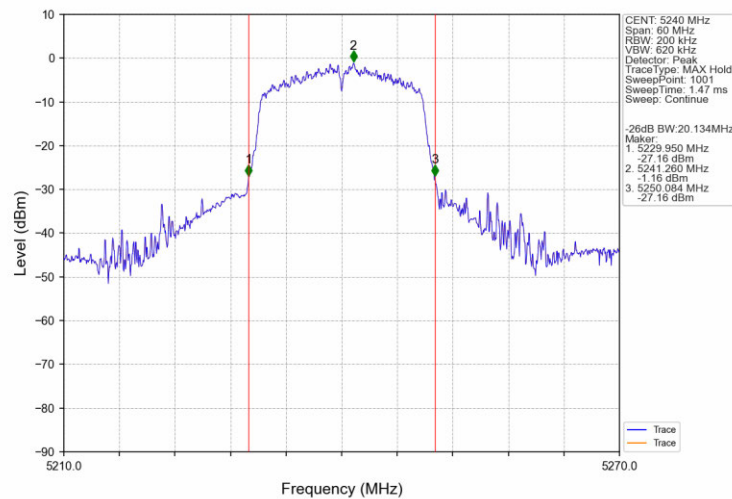
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



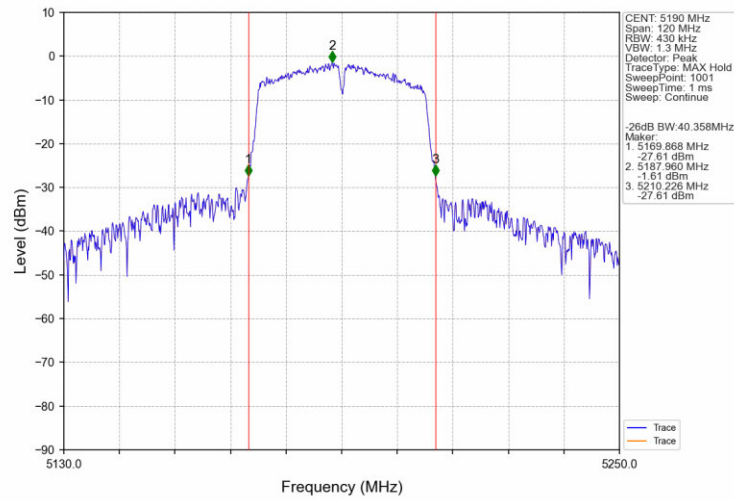
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

