1. Duty Cycle

1.1 Test Result

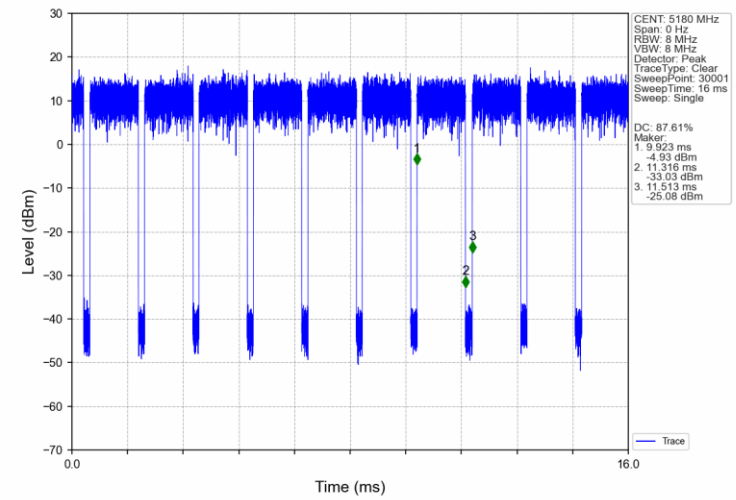
1.1.1 Ant1

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	1.590	87.61	0.57	1.50
		5200	1.392	1.653	84.21	0.75	4.86
		5240	1.392	1.652	84.26	0.74	4.87
		5745	1.393	1.647	84.58	0.73	4.02
		5785	1.392	1.996	69.74	1.57	19.87
		5825	1.393	1.653	84.27	0.74	4.86
802.11n (HT20)	SISO	5180	1.174	1.426	82.33	0.84	4.98
		5200	1.175	1.435	81.88	0.87	5.49
		5240	1.174	1.426	82.33	0.84	4.98
		5745	1.175	1.435	81.88	0.87	6.06
		5785	1.174	1.453	80.80	0.93	6.54
		5825	1.175	1.435	81.88	0.87	5.45
802.11n (HT40)	SISO	5190	0.588	0.847	69.42	1.59	8.24
		5230	0.587	0.820	71.59	1.45	6.90
		5755	0.588	0.847	69.42	1.59	8.24
		5795	0.588	0.865	67.98	1.68	10.63
802.11ac (VHT20)	SISO	5180	1.186	1.438	82.48	0.84	5.55
		5200	1.185	1.455	81.44	0.89	5.95
		5240	1.185	1.436	82.52	0.83	5.52
		5745	1.186	1.455	81.51	0.89	5.95
		5785	1.186	1.437	82.53	0.83	4.95
		5825	1.186	1.438	82.48	0.84	4.94
802.11ac (VHT40)	SISO	5190	0.591	0.869	68.01	1.67	9.67
		5230	0.591	1.014	58.28	2.34	19.39
		5755	0.591	0.842	70.19	1.54	9.38
		5795	0.591	0.869	68.01	1.67	9.67
802.11ac (VHT80)	SISO	5210	0.296	0.565	52.39	2.81	11.16
		5775	0.296	0.574	51.57	2.88	13.27

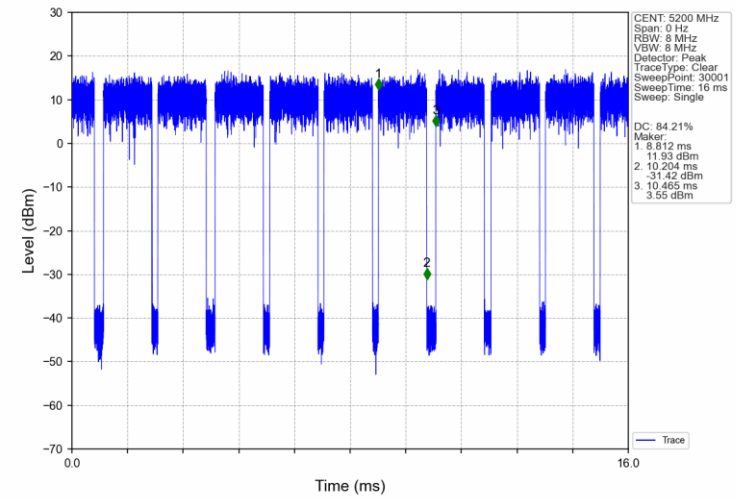
1.2 Test Graph

1.2.1 Ant1

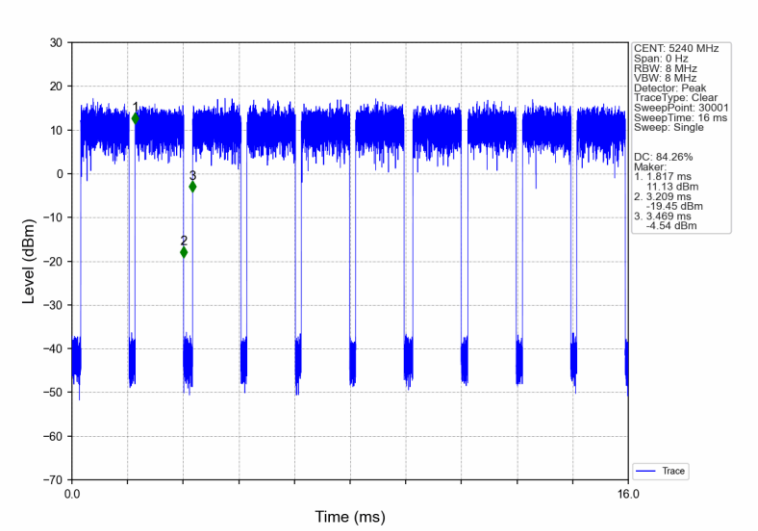
802.11a_LCH_5180MHz_Ant1_NTNV



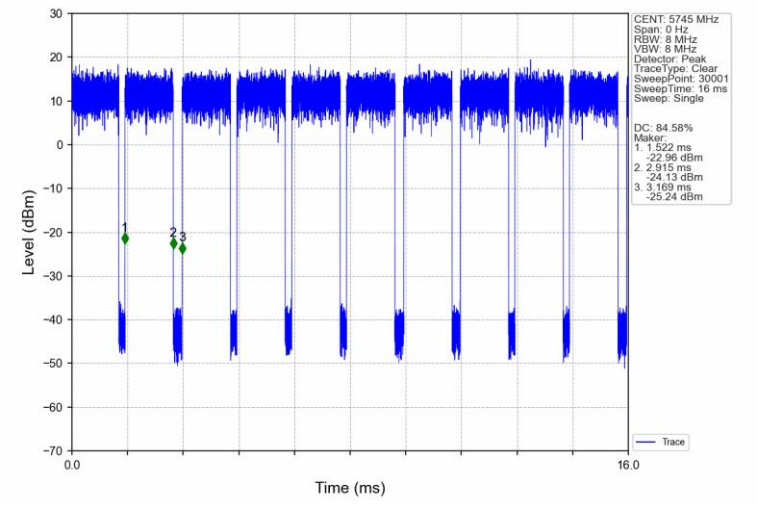
802.11a_MCH_5200MHz_Ant1_NTNV



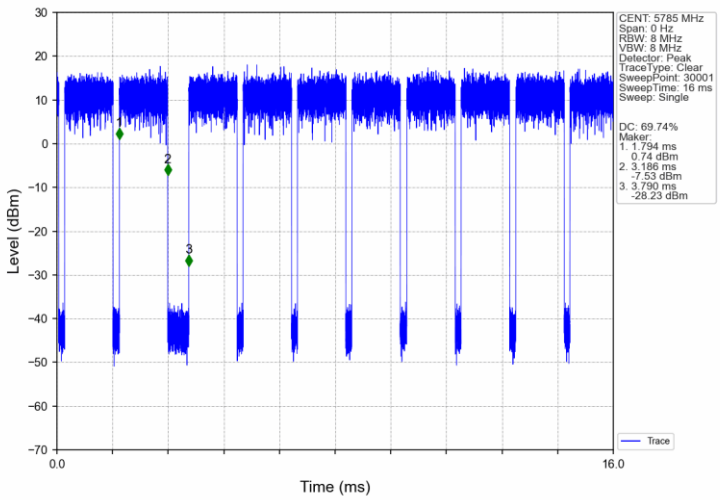
802.11a_HCH_5240MHz_Ant1_NTNV



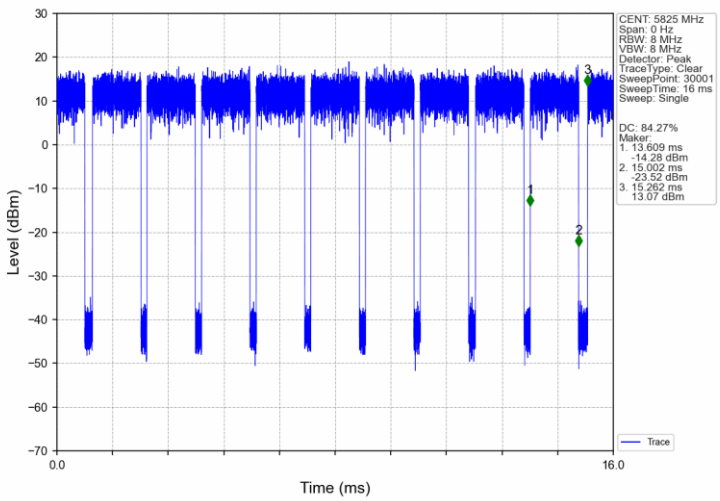
802.11a_LCH_5745MHz_Ant1_NTNV



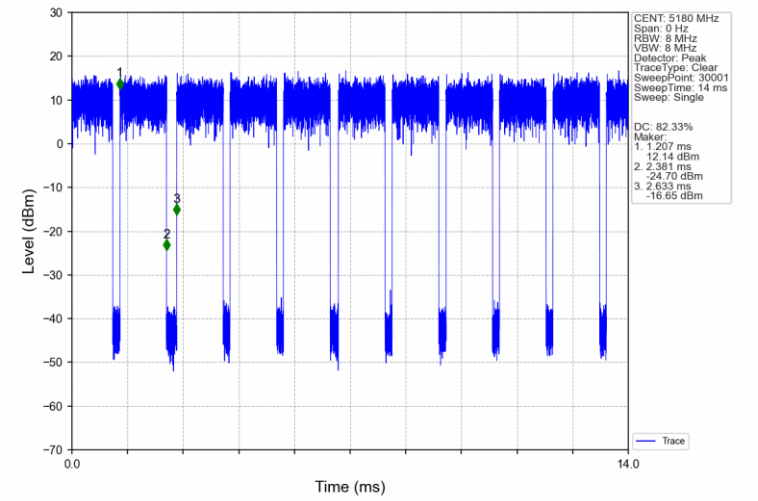
802.11a_MCH_5785MHz_Ant1_NTNV



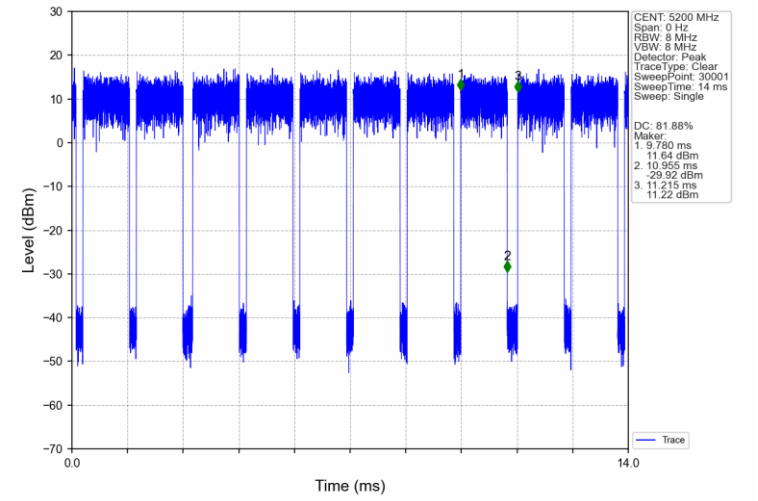
802.11a_HCH_5825MHz_Ant1_NTNV



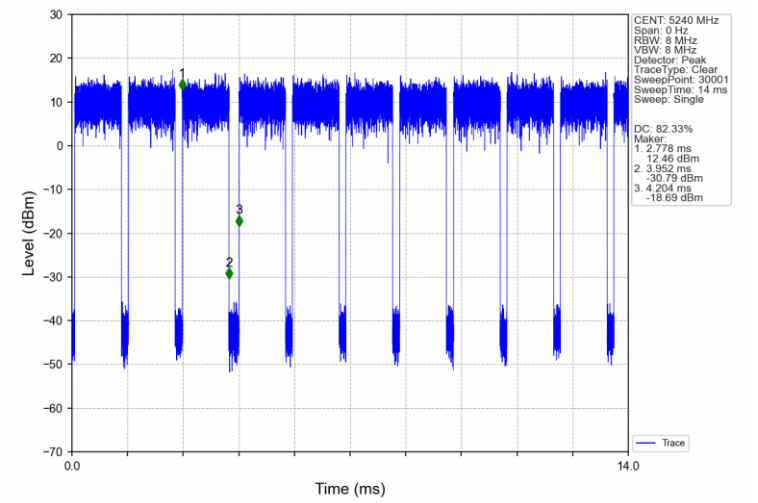
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



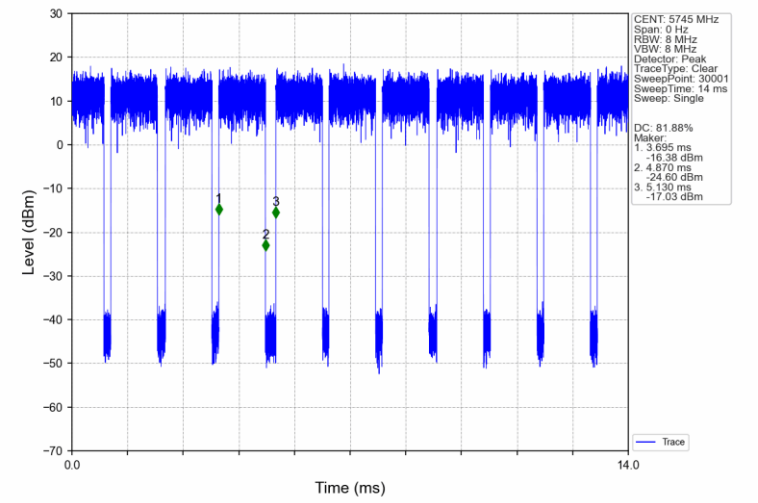
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



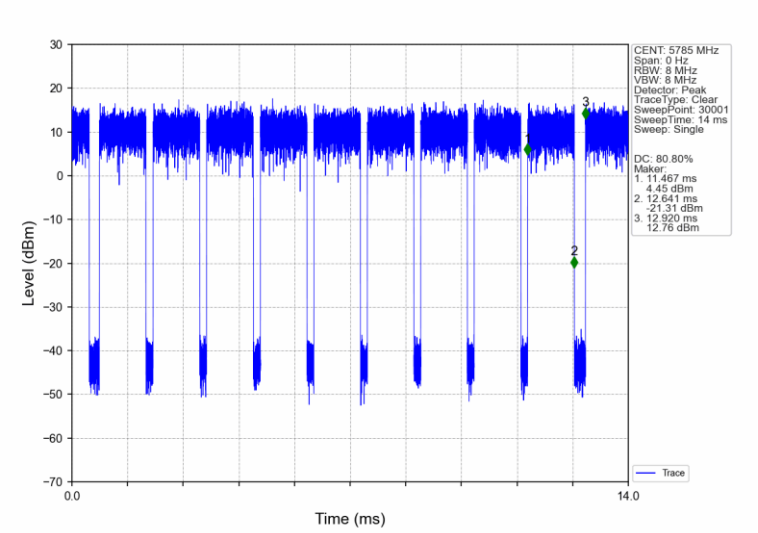
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



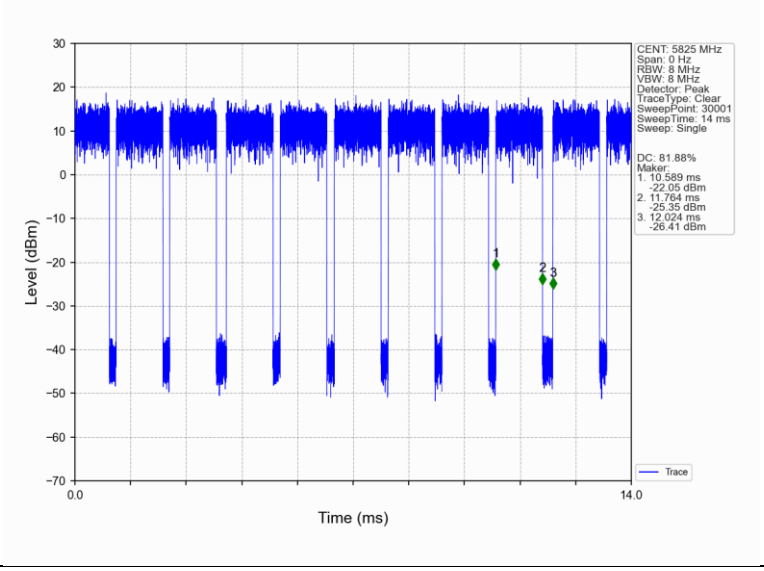
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



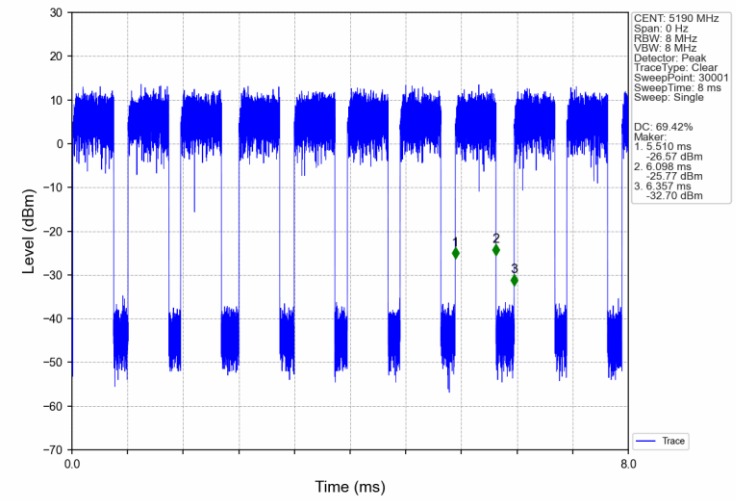
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



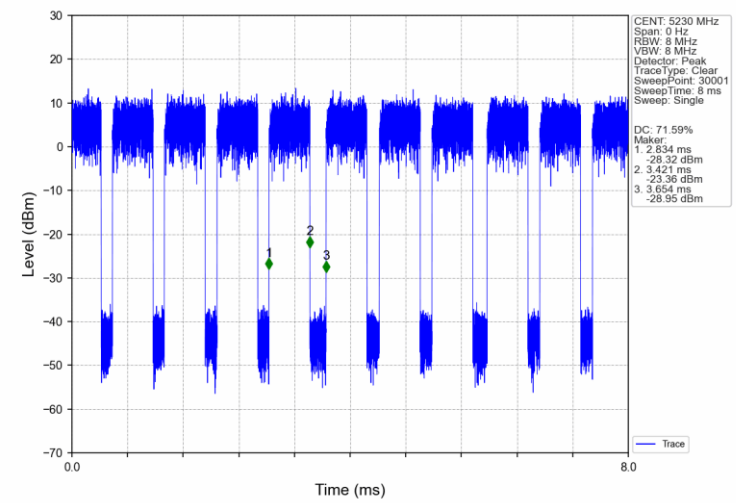
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



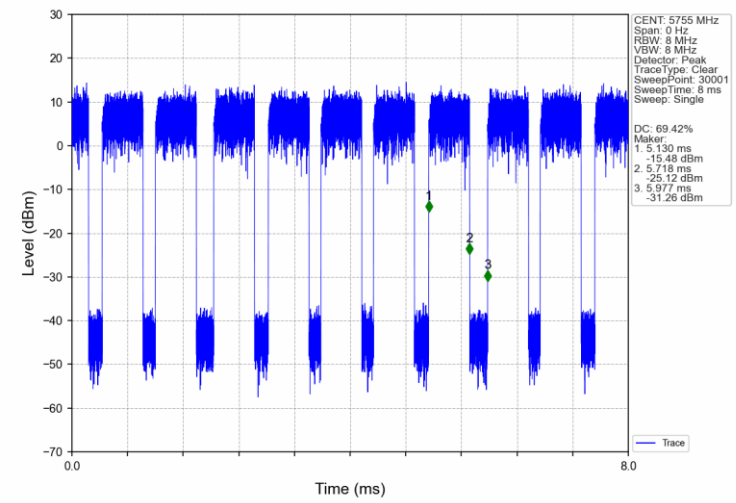
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



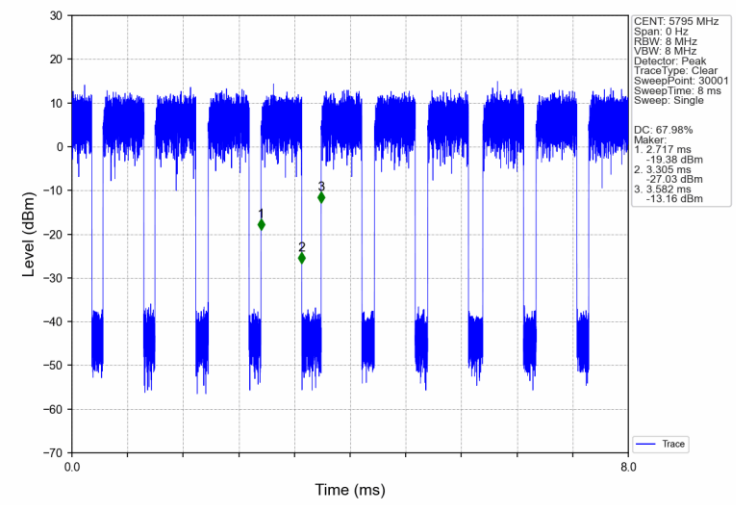
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



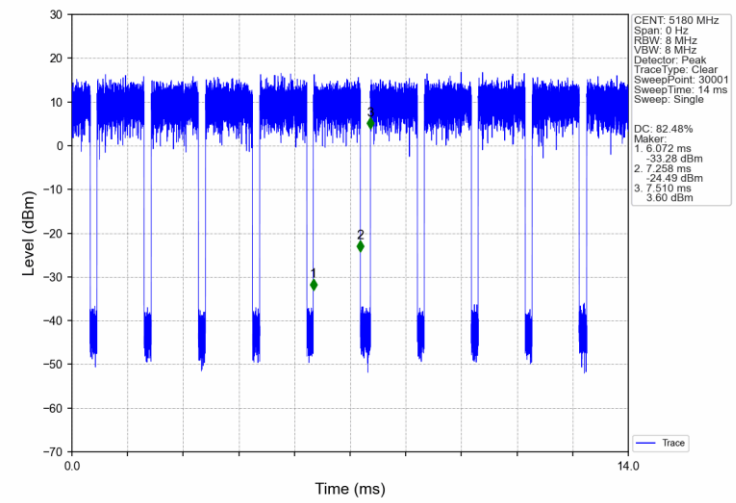
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



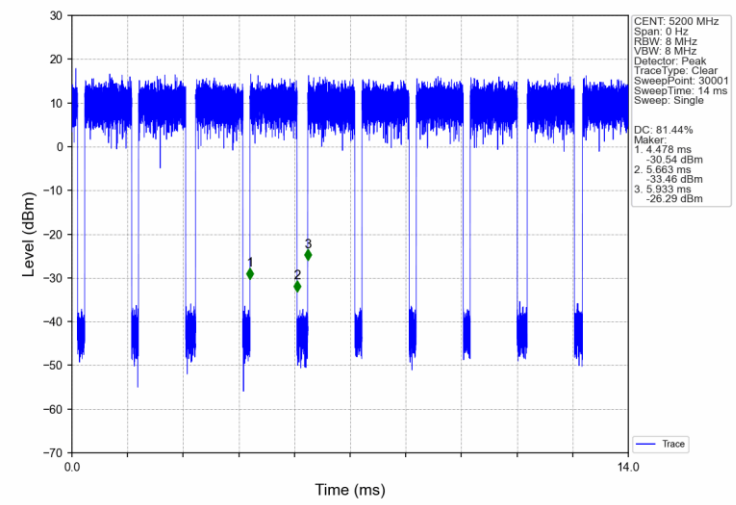
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



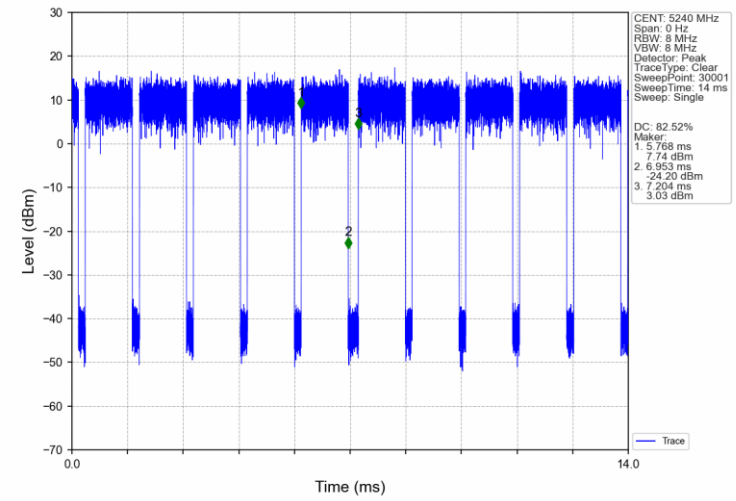
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



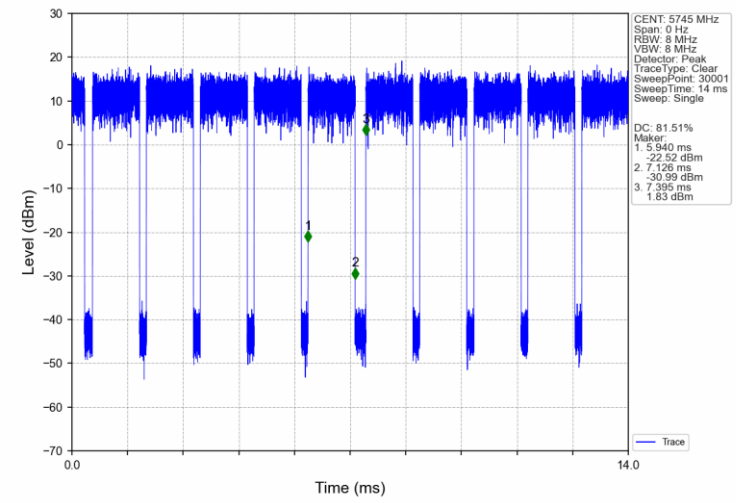
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



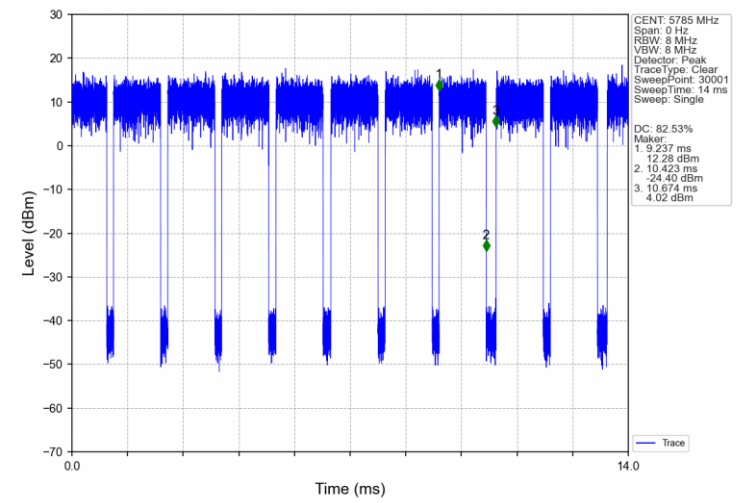
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



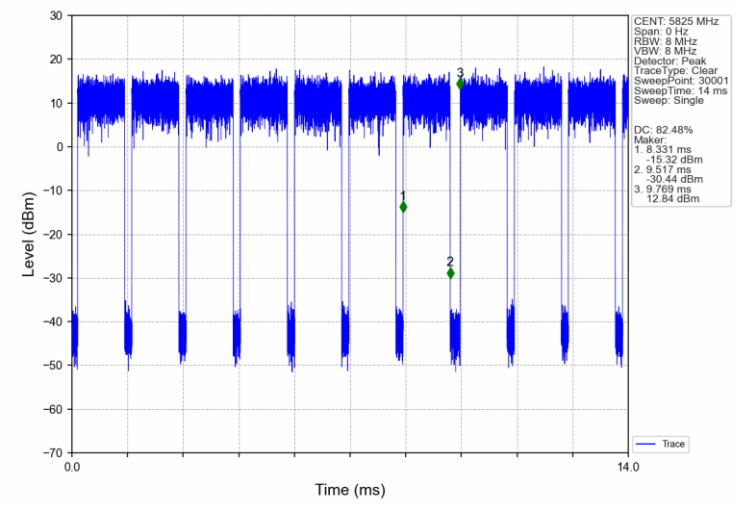
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



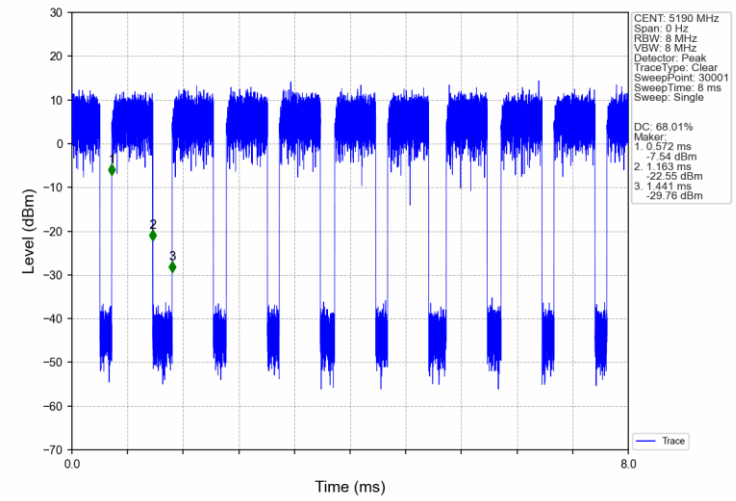
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



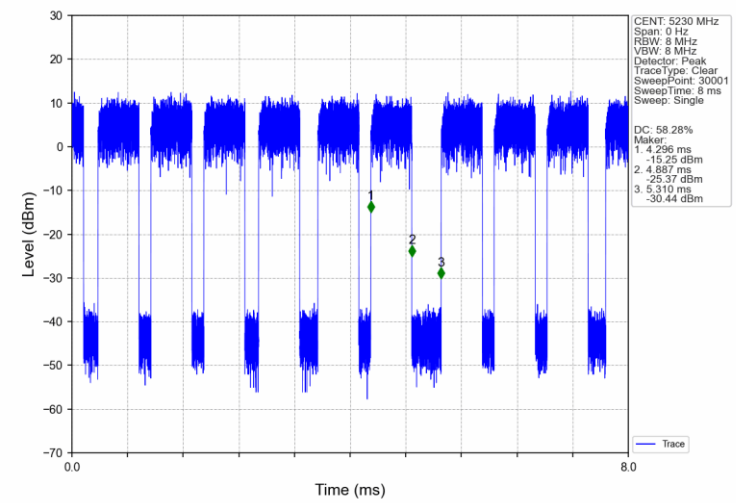
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



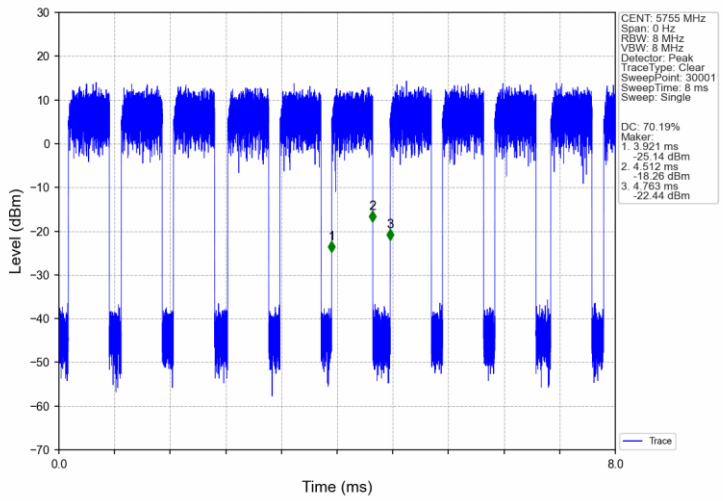
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



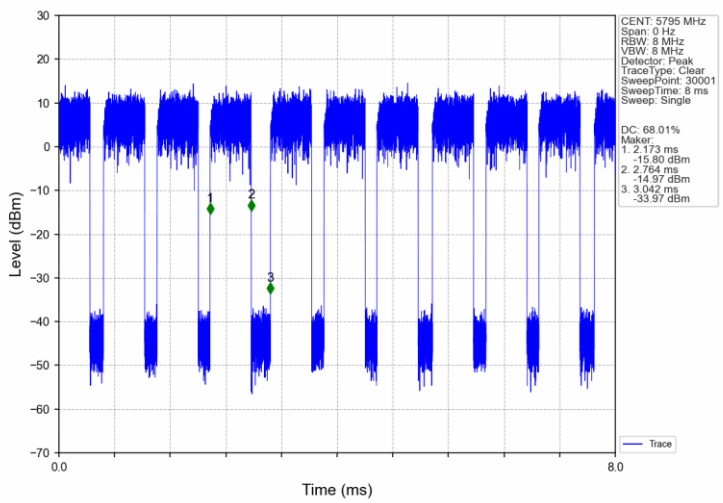
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



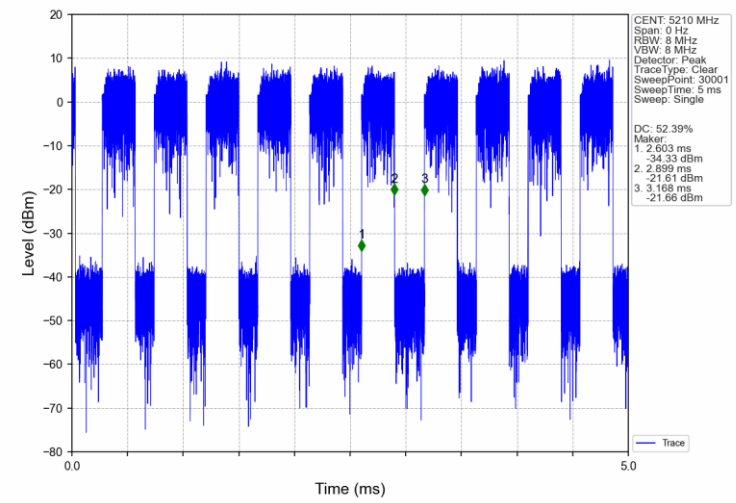
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



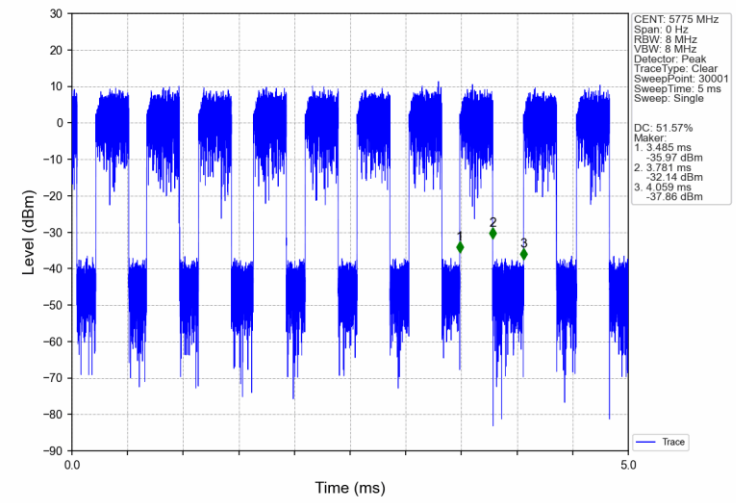
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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	17.817	/	Pass
		5200	1	17.969	/	Pass
		5240	1	17.821	/	Pass
		5745	1	17.968	/	Pass
		5785	1	17.838	/	Pass
		5825	1	17.944	/	Pass
802.11n (HT20)	SISO	5180	1	19.373	/	Pass
		5200	1	19.304	/	Pass
		5240	1	19.178	/	Pass
		5745	1	19.367	/	Pass
		5785	1	19.208	/	Pass
		5825	1	19.091	/	Pass
802.11n (HT40)	SISO	5190	1	37.991	/	Pass
		5230	1	37.966	/	Pass
		5755	1	37.983	/	Pass
		5795	1	38.095	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.412	/	Pass
		5200	1	18.282	/	Pass
		5240	1	18.398	/	Pass
		5745	1	18.375	/	Pass
		5785	1	18.354	/	Pass
		5825	1	18.311	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.547	/	Pass
		5230	1	37.524	/	Pass
		5755	1	37.801	/	Pass
		5795	1	37.800	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.367	/	Pass
		5775	1	76.290	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	26.917	/	Pass
		5200	1	28.386	/	Pass
		5240	1	26.557	/	Pass
802.11n (HT20)	SISO	5180	1	29.280	/	Pass
		5200	1	28.484	/	Pass
		5240	1	29.754	/	Pass
802.11n (HT40)	SISO	5190	1	63.372	/	Pass
		5230	1	62.355	/	Pass
802.11ac (VHT20)	SISO	5180	1	32.902	/	Pass
		5200	1	29.538	/	Pass
		5240	1	28.039	/	Pass
802.11ac (VHT40)	SISO	5190	1	54.235	/	Pass
		5230	1	60.695	/	Pass

802.11ac (VHT80)	SISO	5210	1	87.004	/	Pass

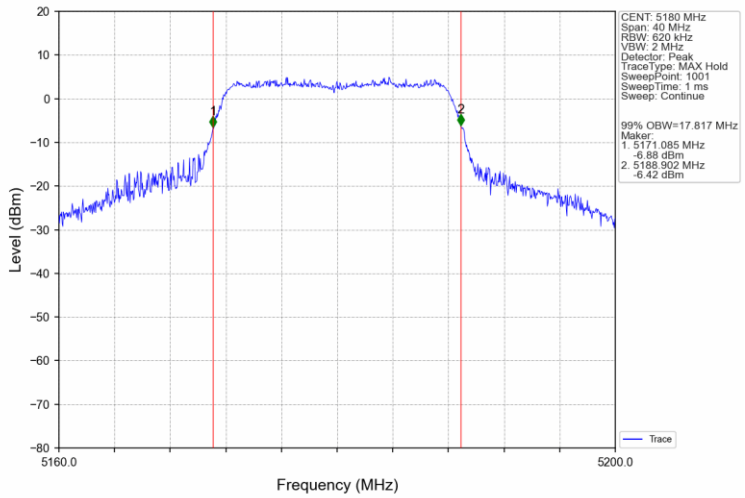
2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.406	>=0.5	Pass
		5785	1	16.404	>=0.5	Pass
		5825	1	16.376	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.493	>=0.5	Pass
		5785	1	17.586	>=0.5	Pass
		5825	1	17.321	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.173	>=0.5	Pass
		5795	1	36.268	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.470	>=0.5	Pass
		5785	1	17.331	>=0.5	Pass
		5825	1	17.350	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.318	>=0.5	Pass
		5795	1	36.418	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.717	>=0.5	Pass

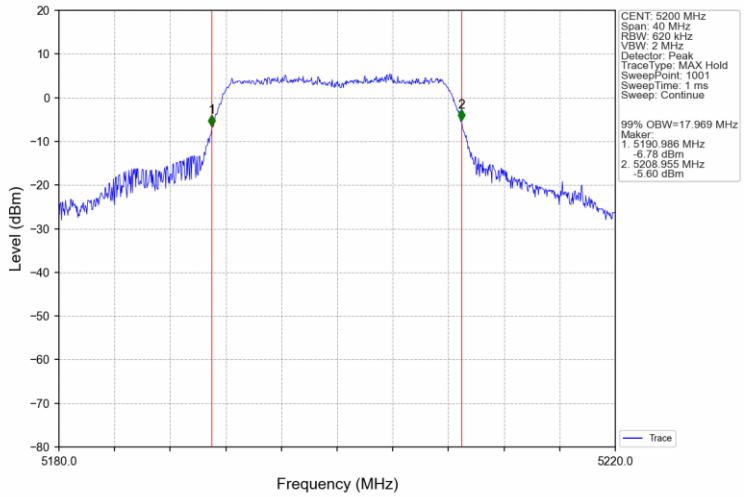
2.2 Test Graph

2.2.1 OBW

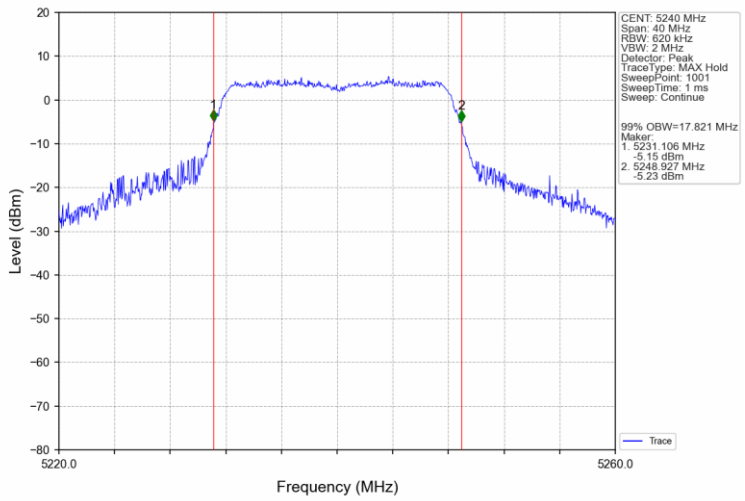
802.11a_LCH_5180MHz_Ant1_NTNV



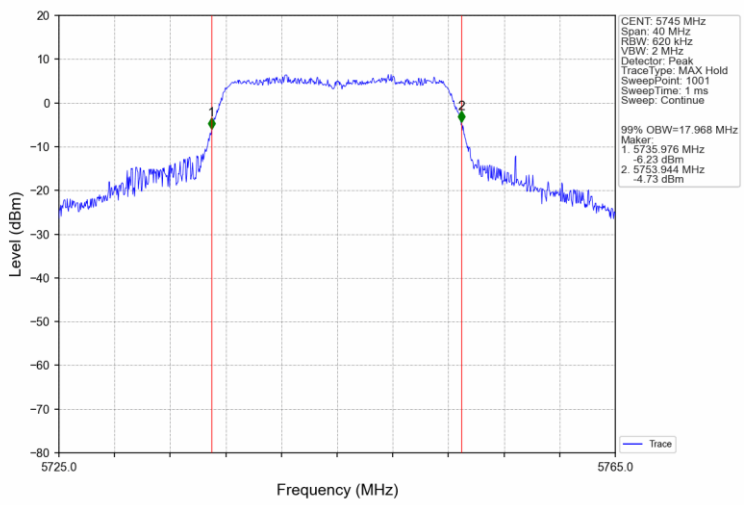
802.11a_MCH_5200MHz_Ant1_NTNV



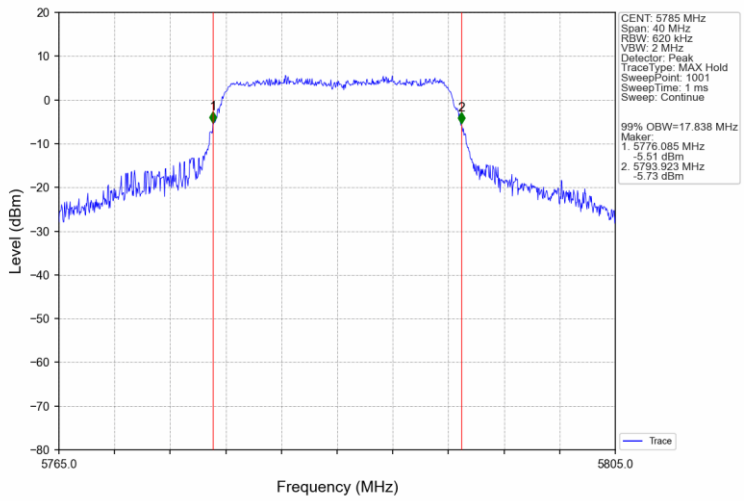
802.11a_HCH_5240MHz_Ant1_NTNV



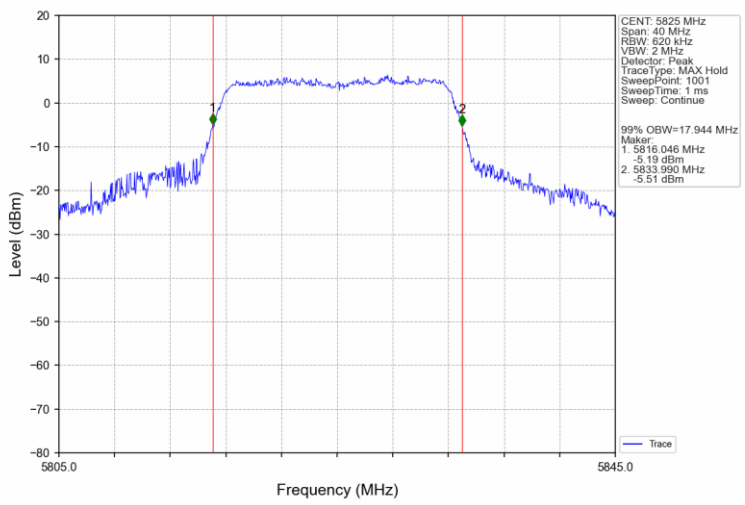
802.11a_LCH_5745MHz_Ant1_NTNV



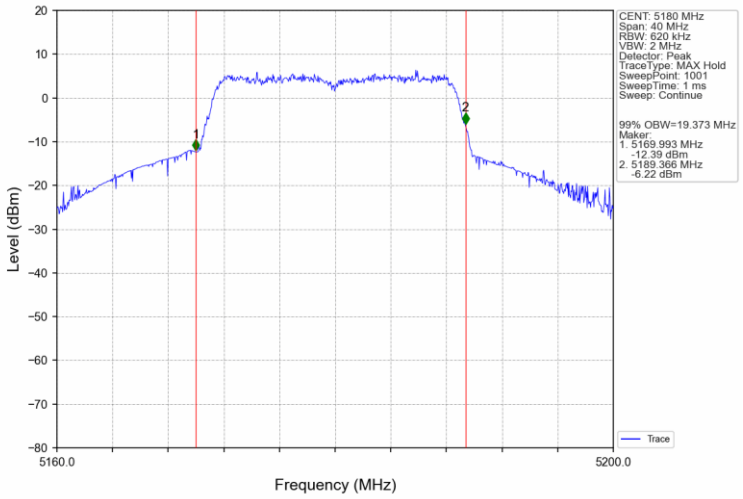
802.11a_MCH_5785MHz_Ant1_NTNV



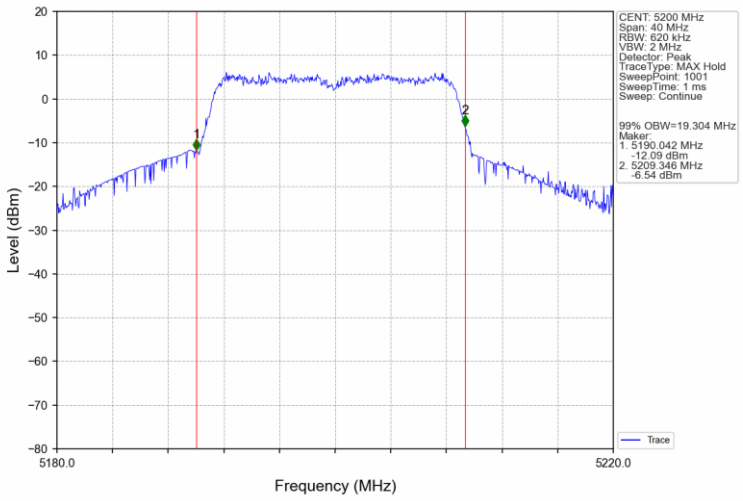
802.11a_HCH_5825MHz_Ant1_NTNV



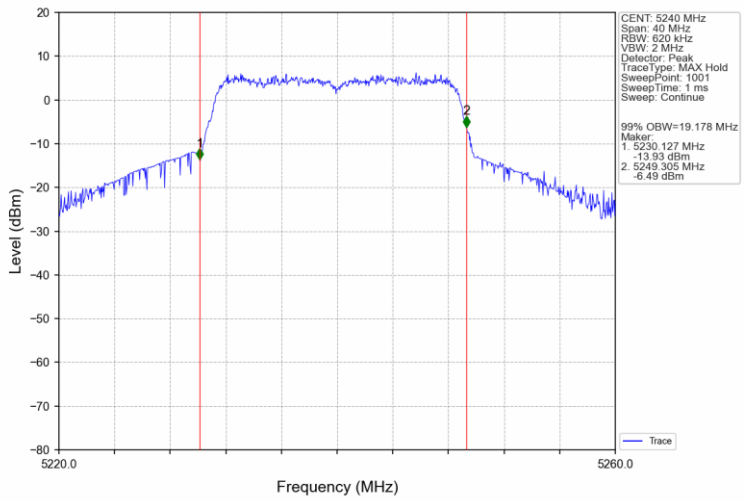
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



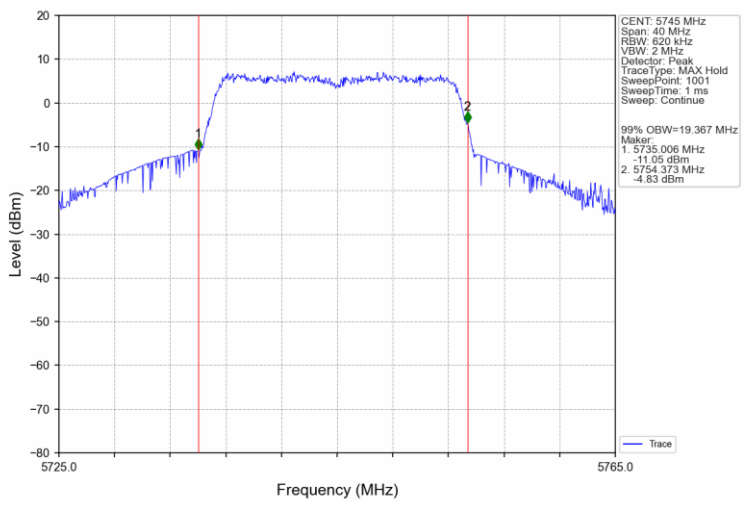
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



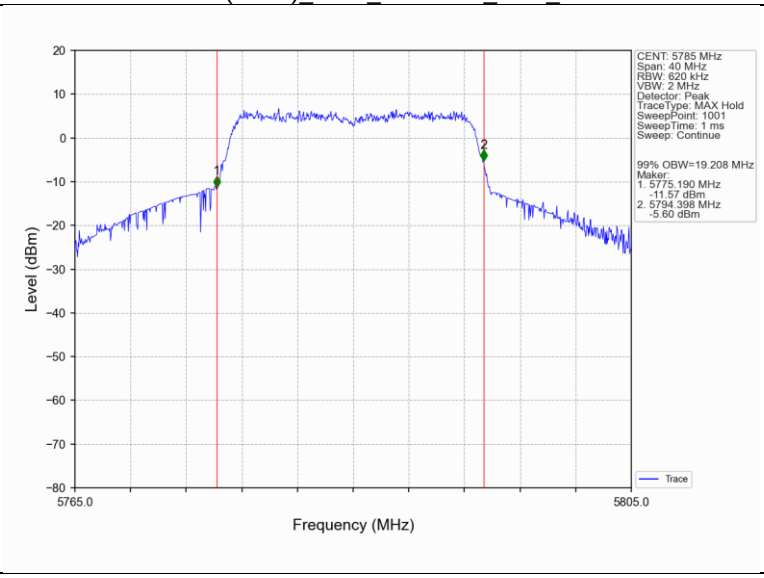
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



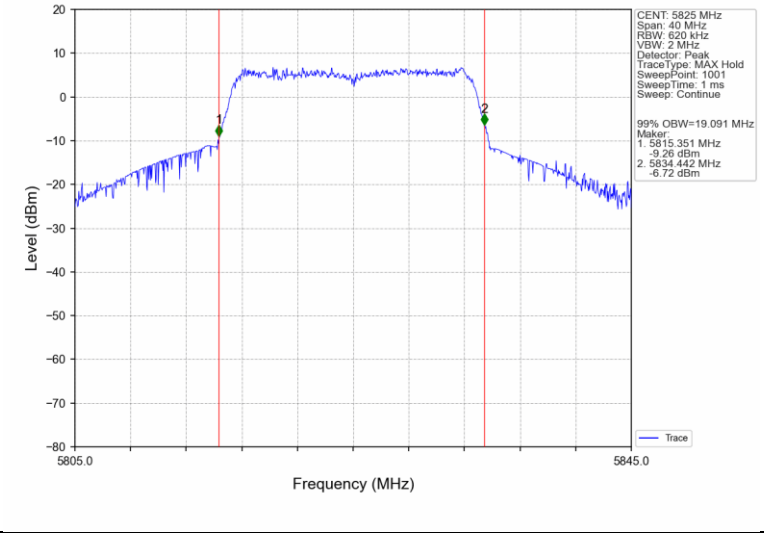
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



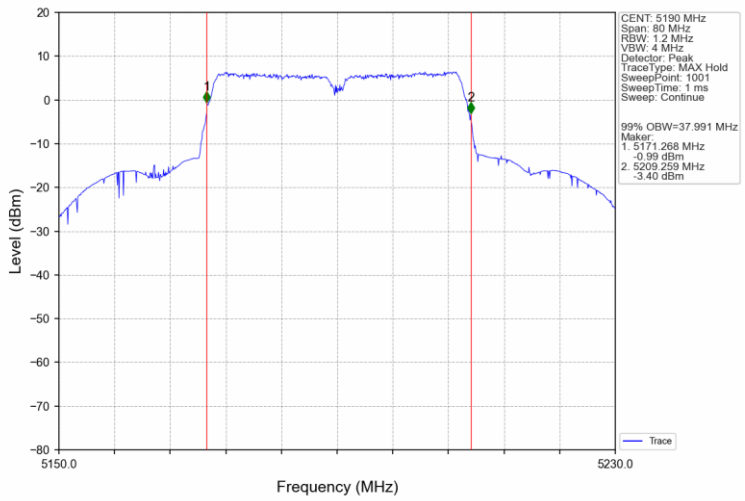
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



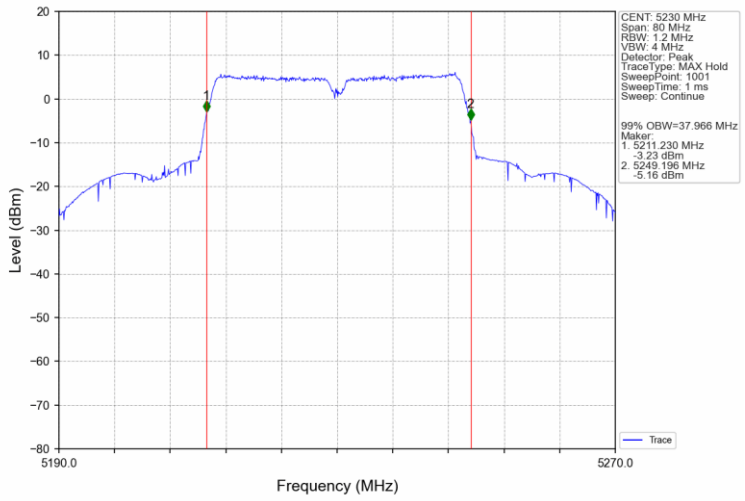
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



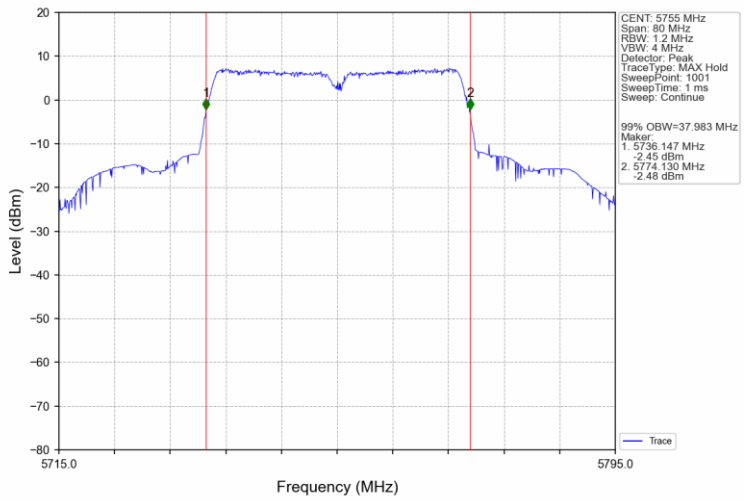
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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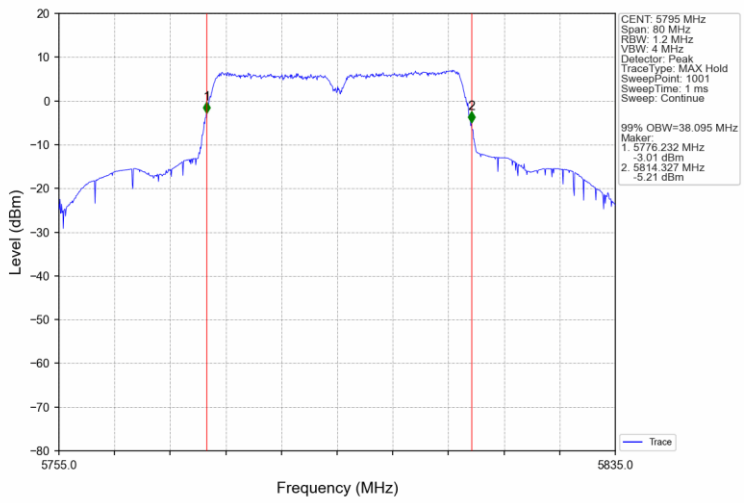
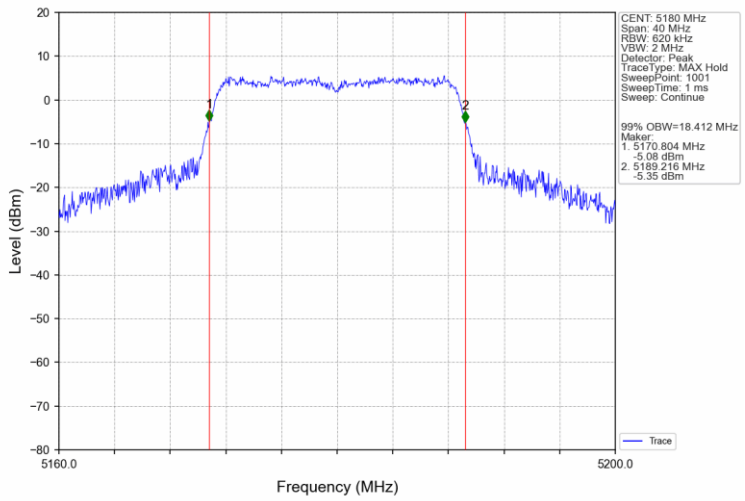
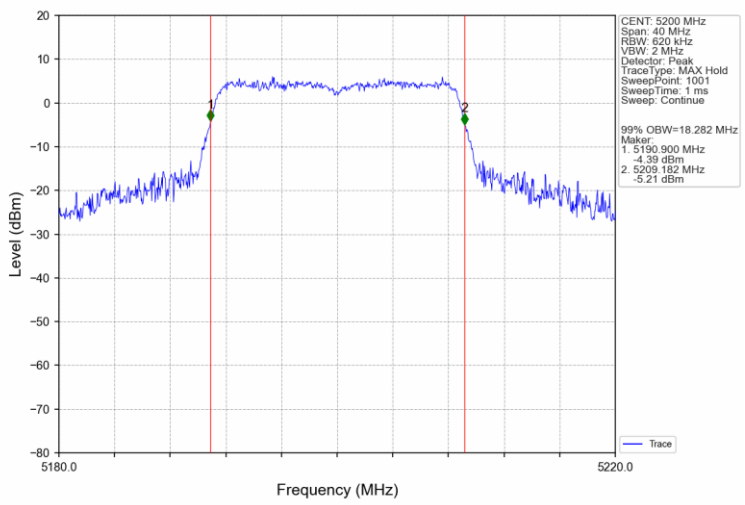


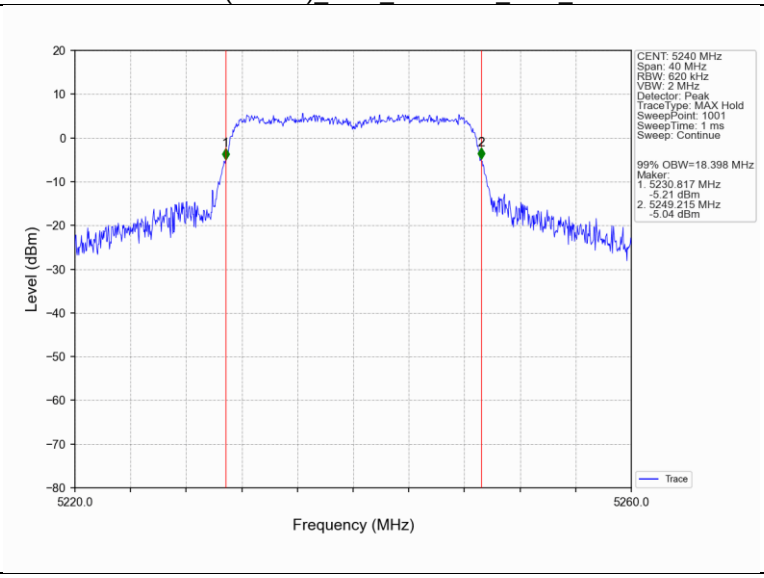
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



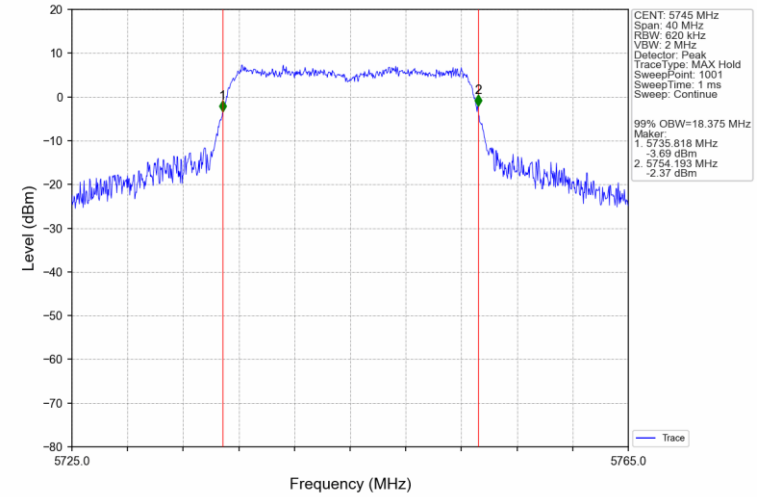
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



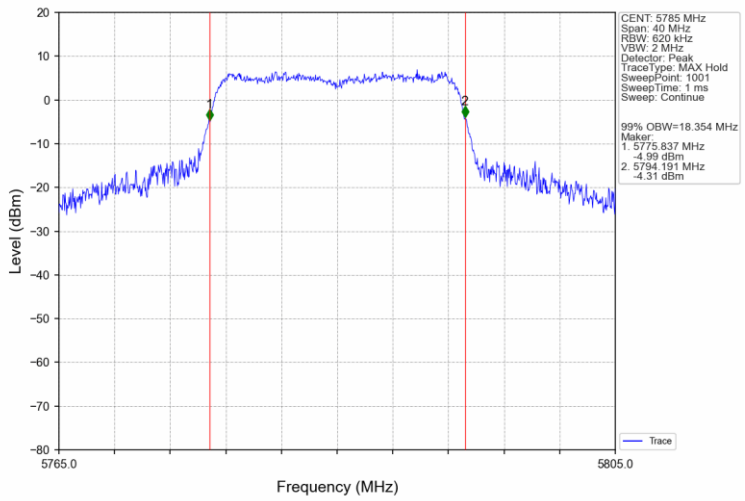
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



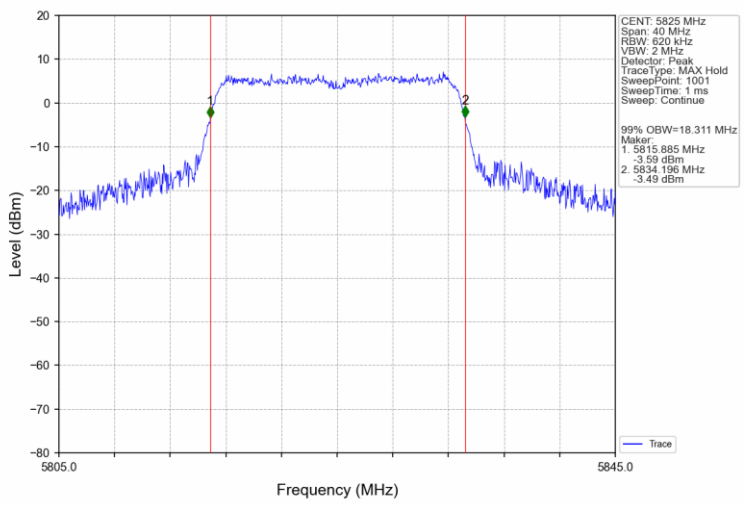
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



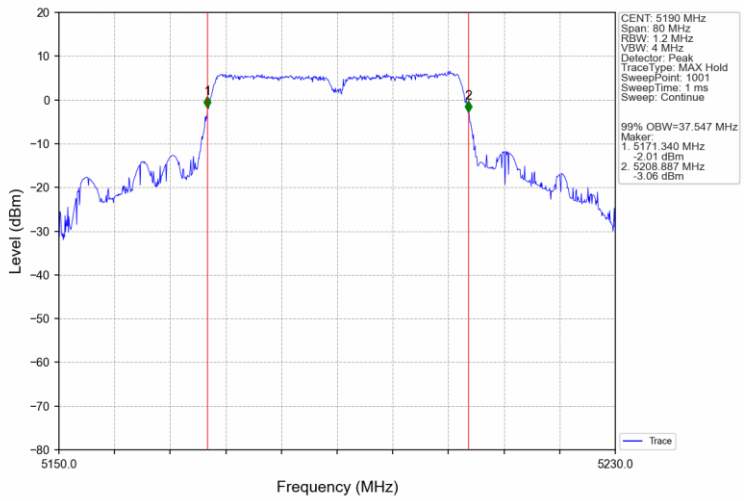
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



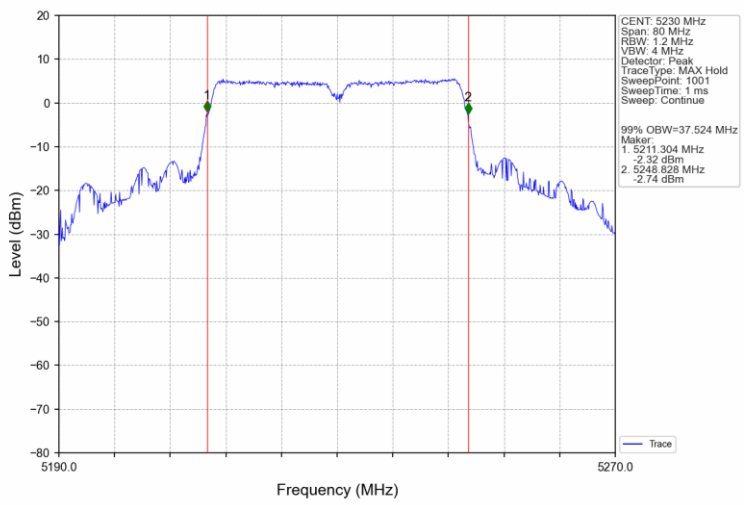
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



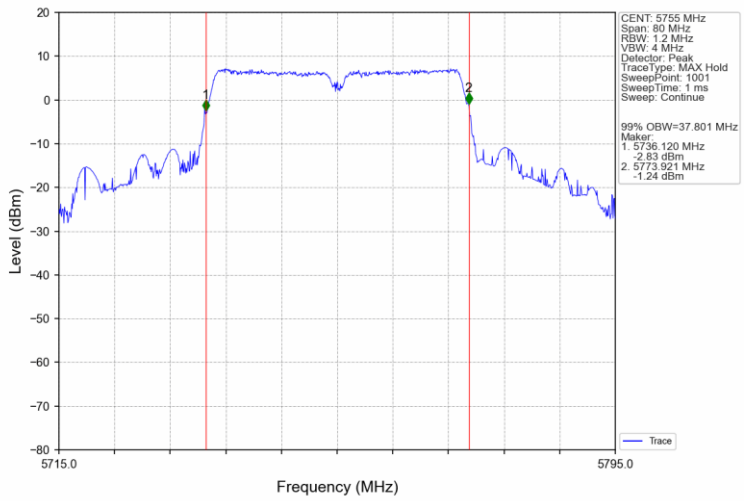
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



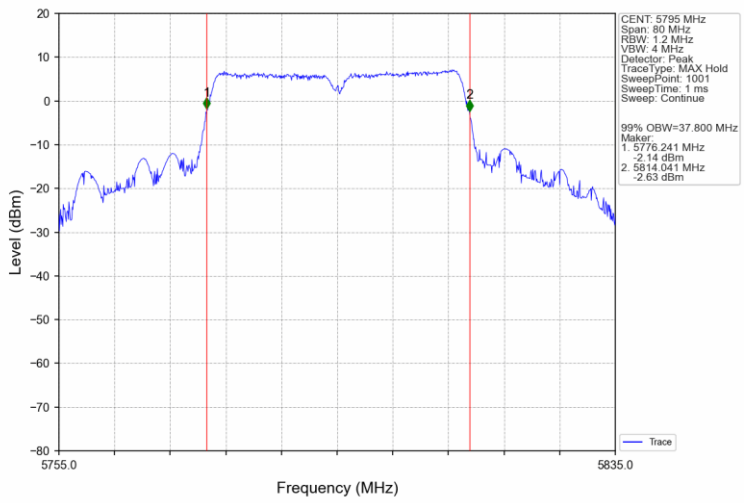
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



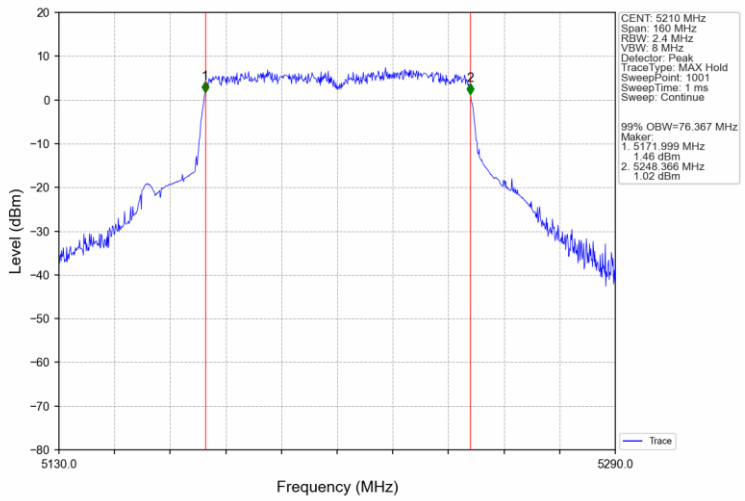
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



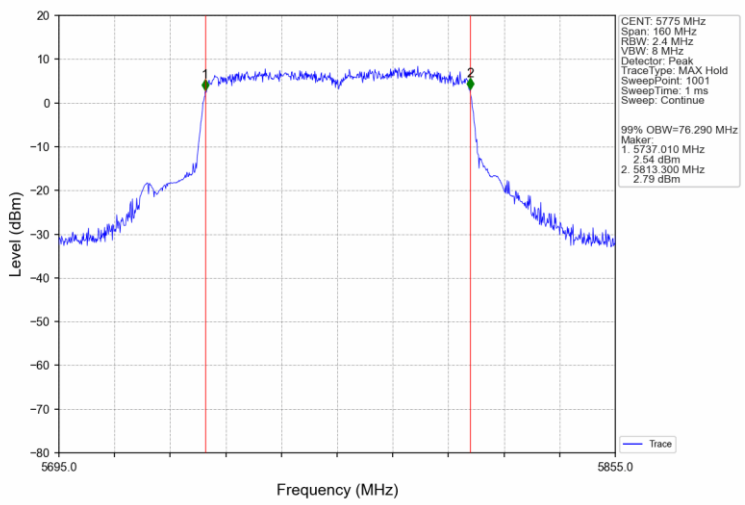
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

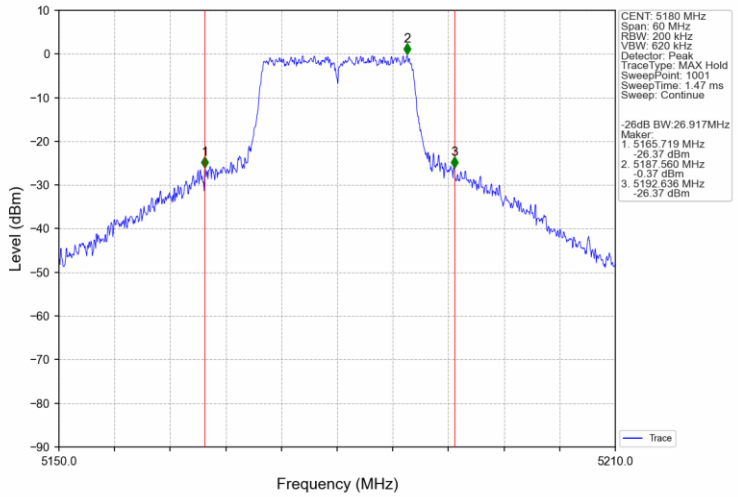


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

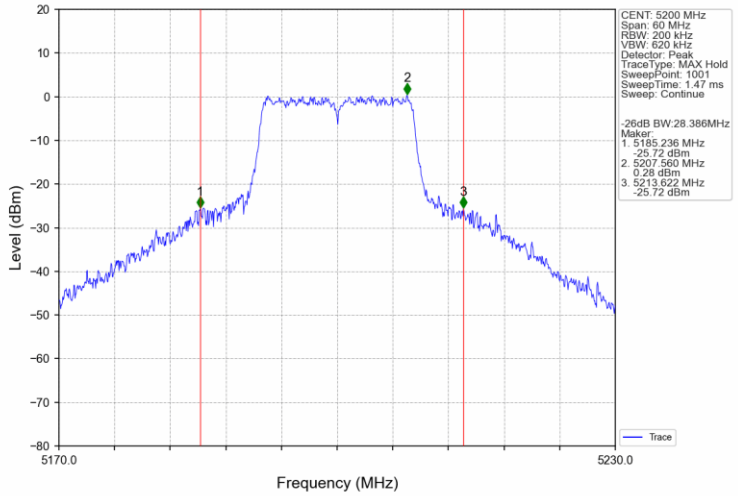


2.2.2 26dB BW

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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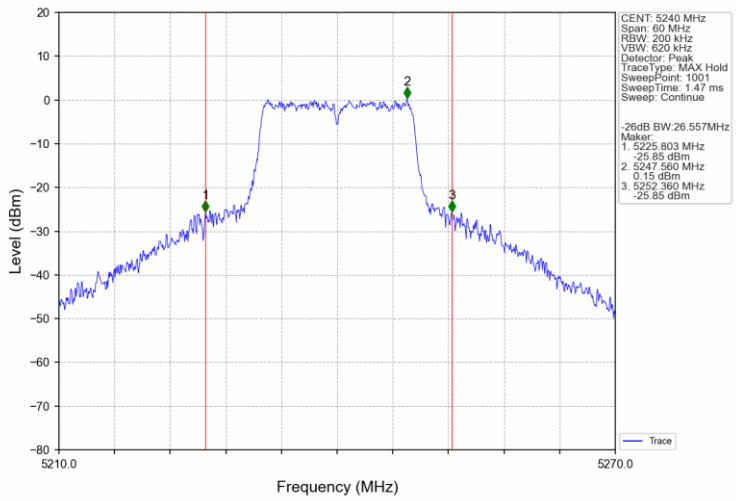
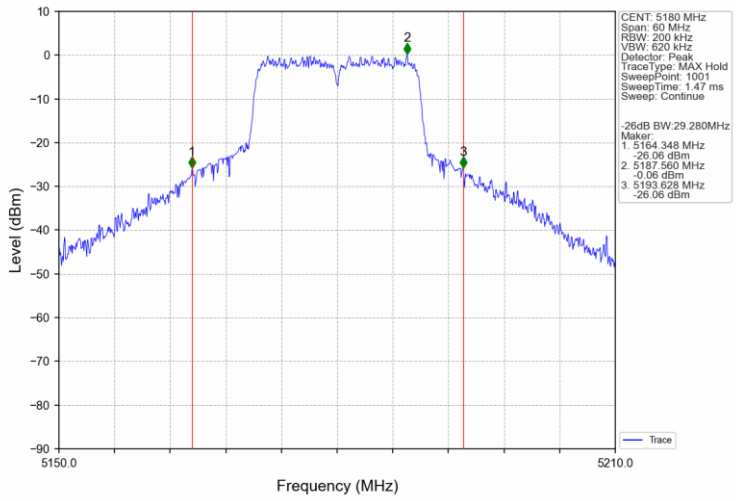


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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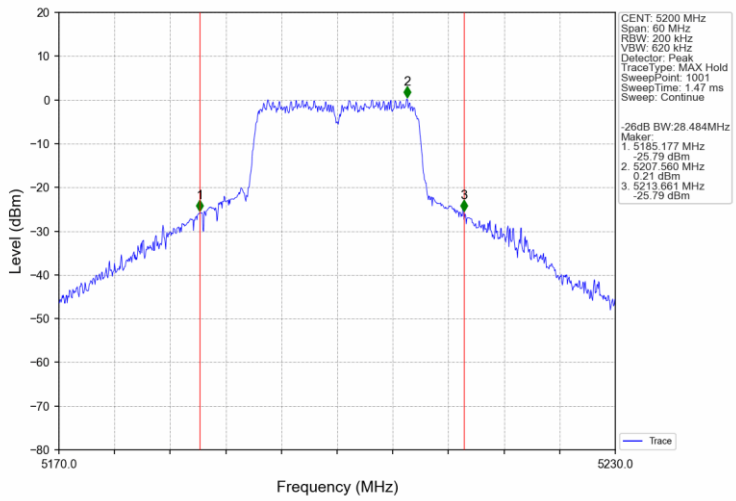
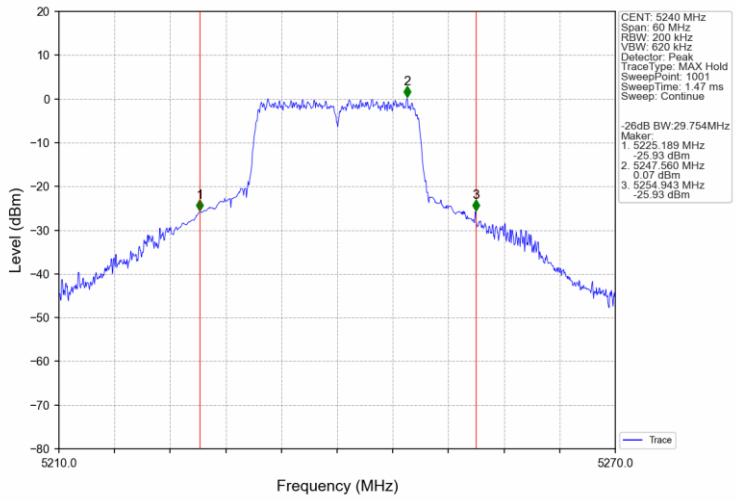
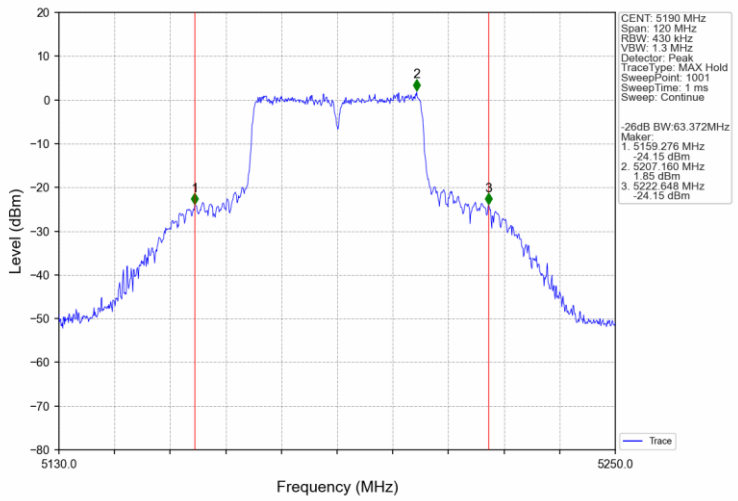
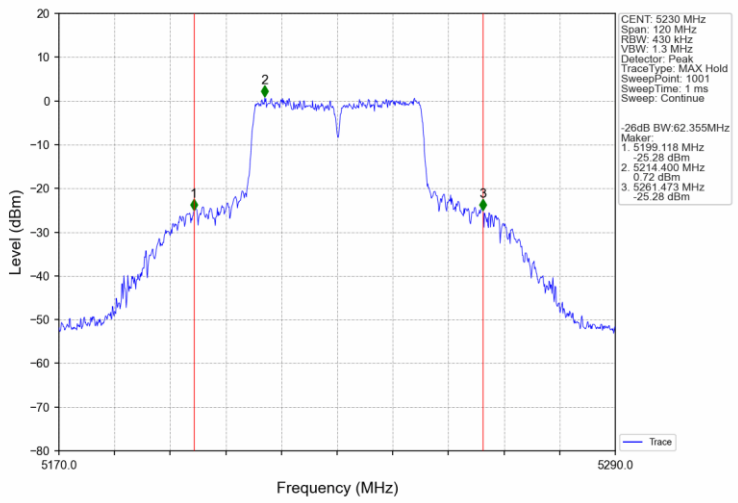


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV