1. Duty Cycle

1.1 Test Result

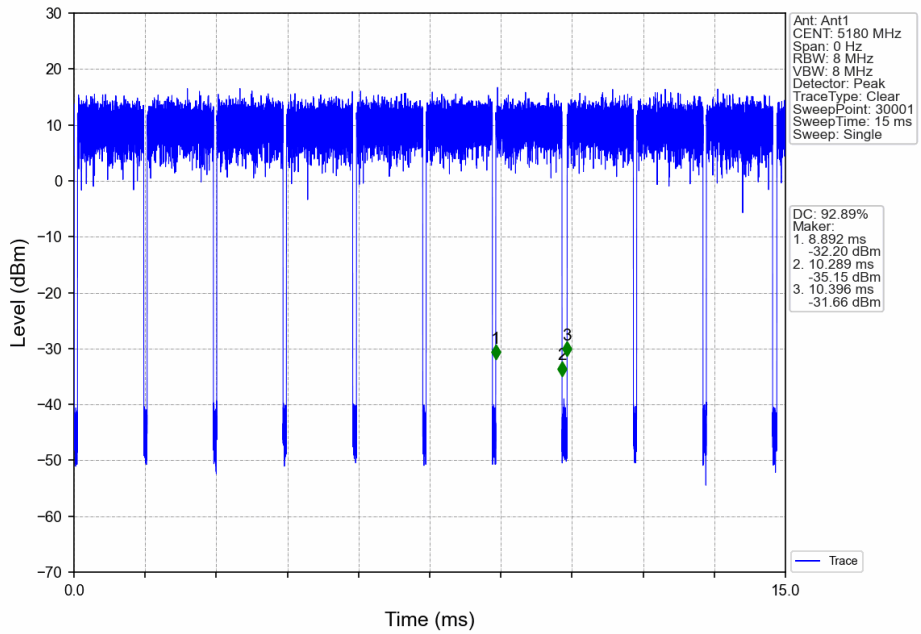
1.1.1 Ant1

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	1.397	1.504	92.89	0.32	2.28
		5200	1.396	1.486	93.94	0.27	1.19
		5240	1.396	1.486	93.94	0.27	1.19
		5745	1.397	1.486	94.01	0.27	1.19
		5785	1.397	1.486	94.01	0.27	1.15
		5825	1.396	1.467	95.16	0.22	0.62
802.11n (HT20)	SISO	5180	1.182	1.254	94.26	0.26	0.03
		5200	1.181	1.253	94.25	0.26	0.03
		5240	1.181	1.253	94.25	0.26	0.72
		5745	1.181	1.253	94.25	0.26	0.03
		5785	1.182	1.271	93.00	0.32	2.04
		5825	1.181	1.253	94.25	0.26	0.72
802.11n (HT40)	SISO	5190	0.587	0.658	89.21	0.50	0.04
		5230	0.587	0.658	89.21	0.50	0.04
		5755	0.587	0.658	89.21	0.50	1.25
		5795	0.587	0.658	89.21	0.50	0.07
802.11ac (VHT20)	SISO	5180	1.185	1.346	88.04	0.55	1.21
		5200	1.186	1.347	88.05	0.55	1.21
		5240	1.186	1.356	87.46	0.58	1.82
		5745	1.185	1.347	87.97	0.56	1.24
		5785	1.186	1.347	88.05	0.55	1.21
		5825	1.186	1.347	88.05	0.55	1.21
802.11ac (VHT40)	SISO	5190	0.592	0.752	78.72	1.04	1.98
		5230	0.591	0.752	78.59	1.05	1.98
		5755	0.591	0.752	78.59	1.05	1.95
		5795	0.591	0.752	78.59	1.05	1.96
802.11ac (VHT80)	SISO	5210	0.296	0.457	64.77	1.89	2.67
		5775	0.296	0.457	64.77	1.89	2.66

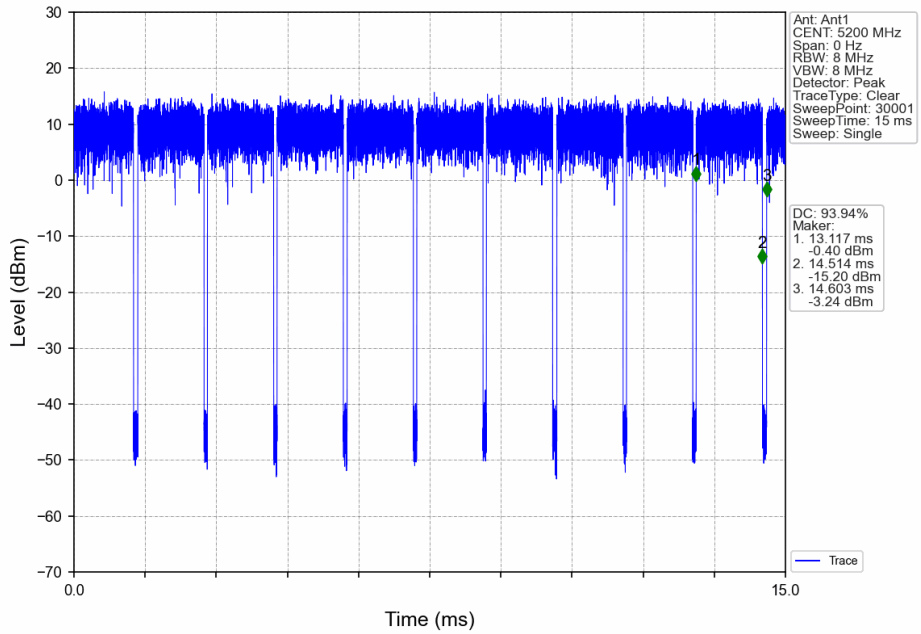
1.2 Test Graph

1.2.1 Ant1

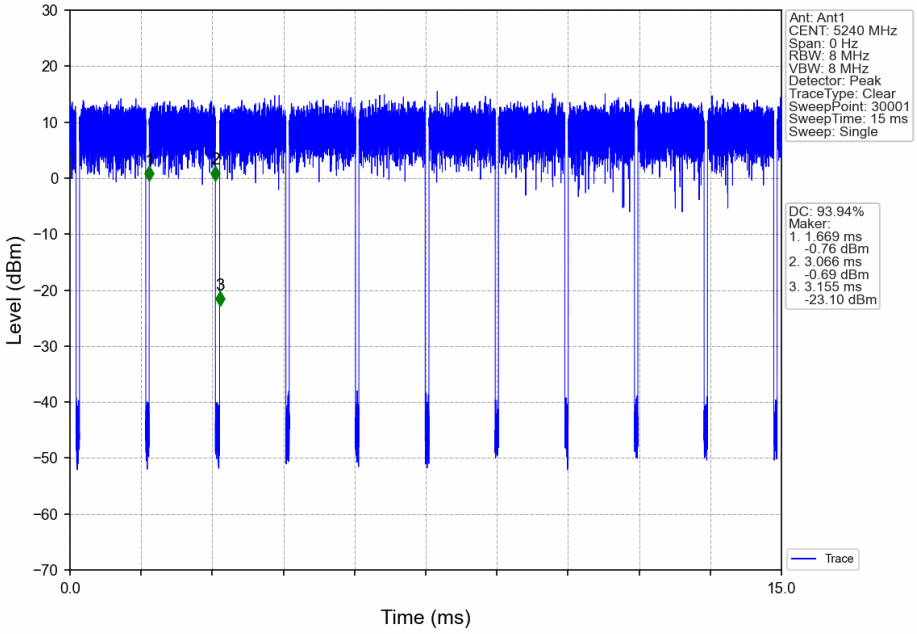
802.11a_LCH_5180MHz_Ant1_NTNV



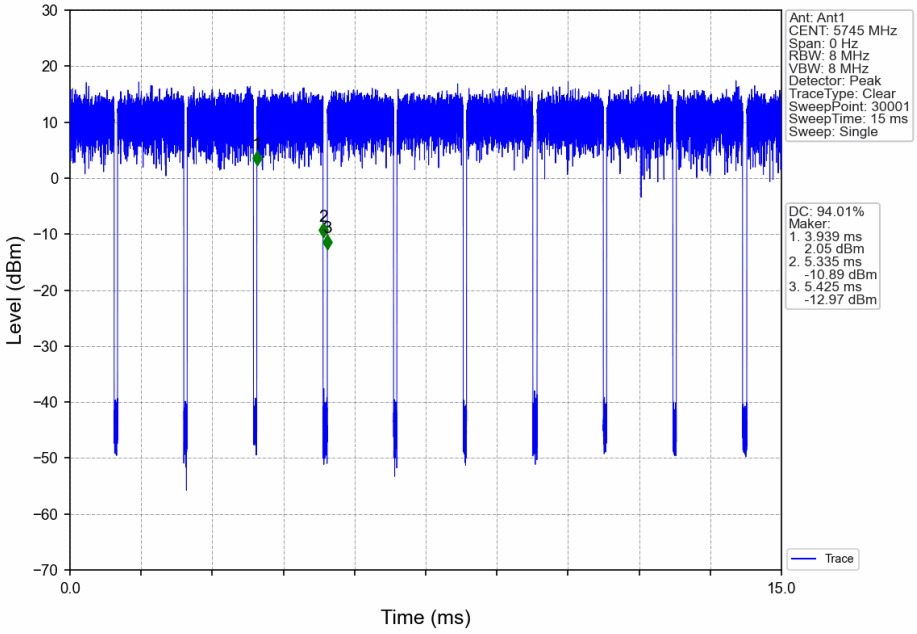
802.11a_MCH_5200MHz_Ant1_NTNV



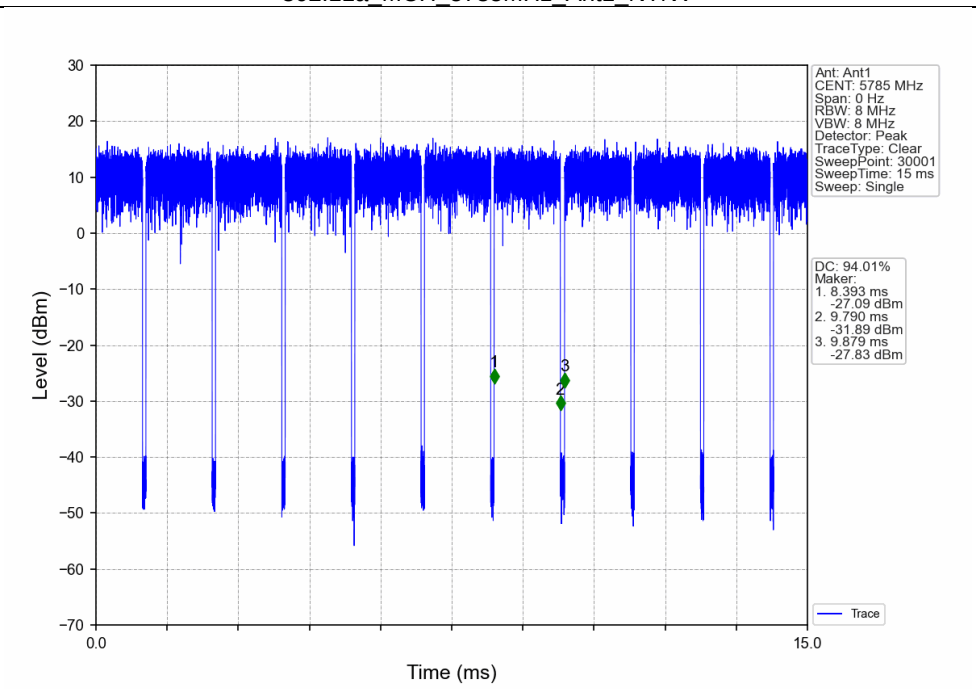
802.11a_HCH_5240MHz_Ant1_NTNV



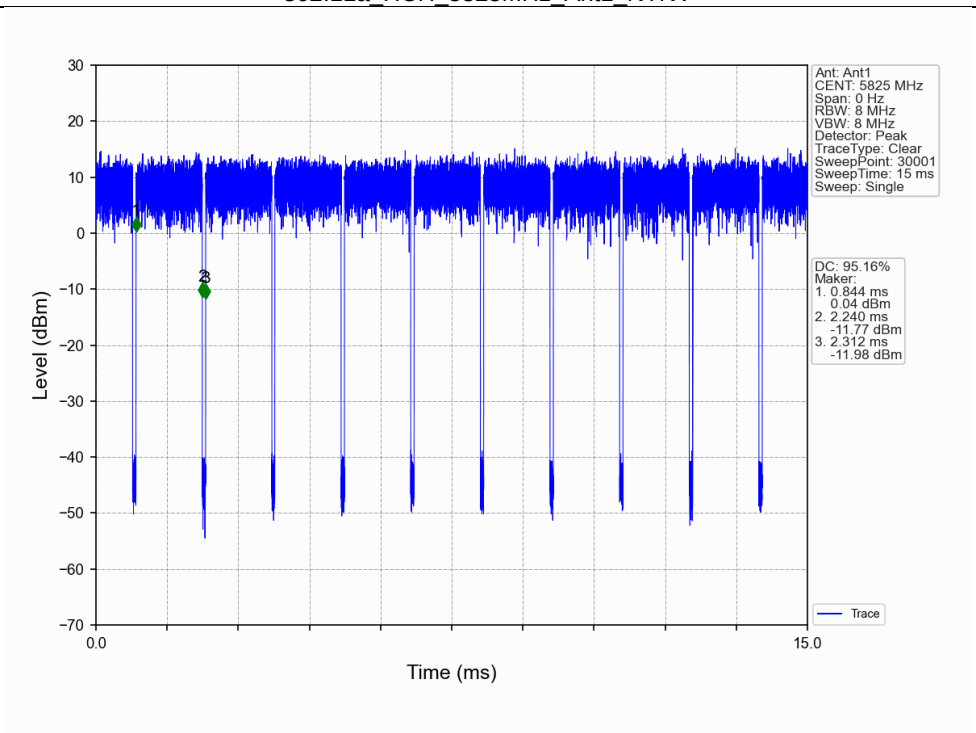
802.11a_LCH_5745MHz_Ant1_NTNV



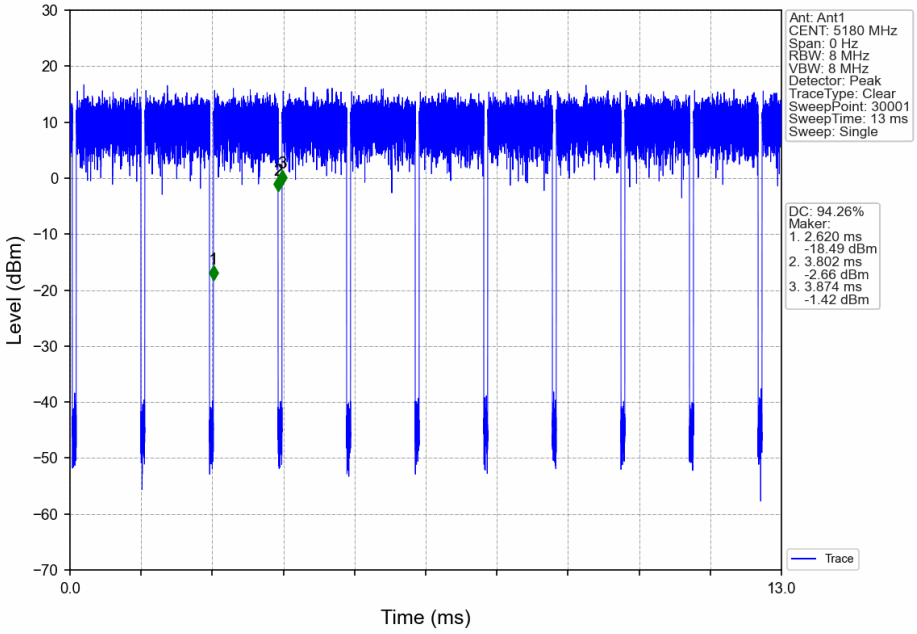
802.11a_MCH_5785MHz_Ant1_NTNV



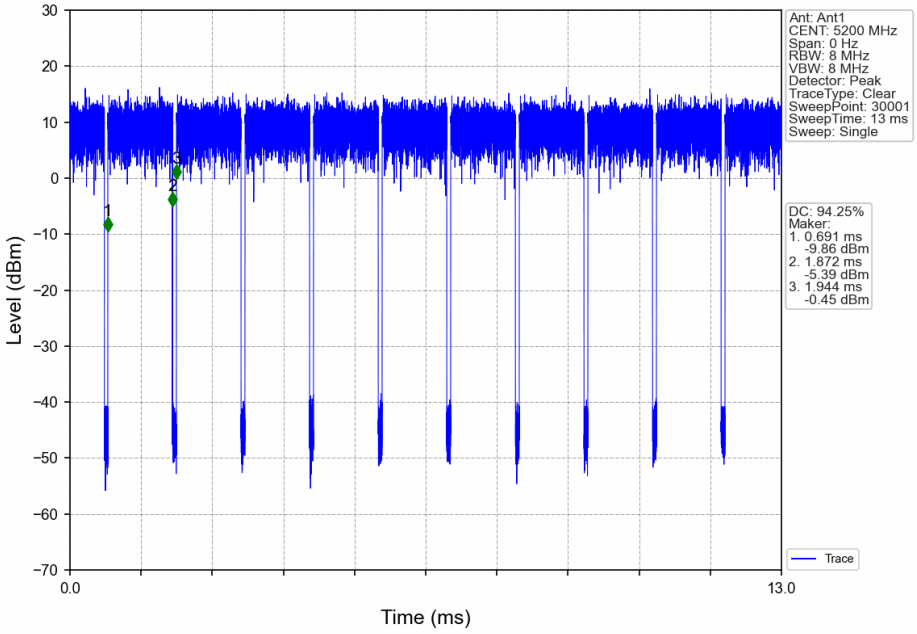
802.11a_HCH_5825MHz_Ant1_NTNV



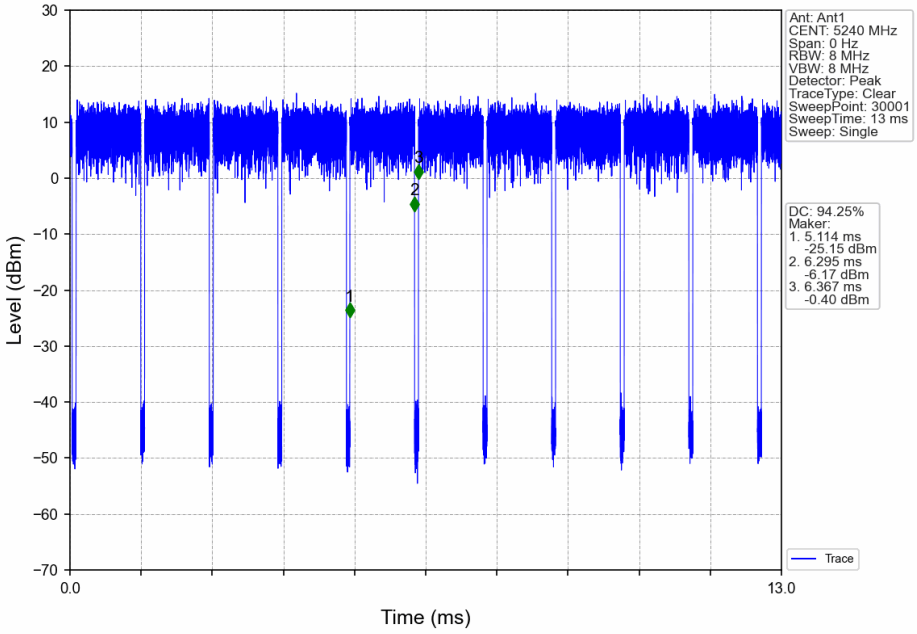
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



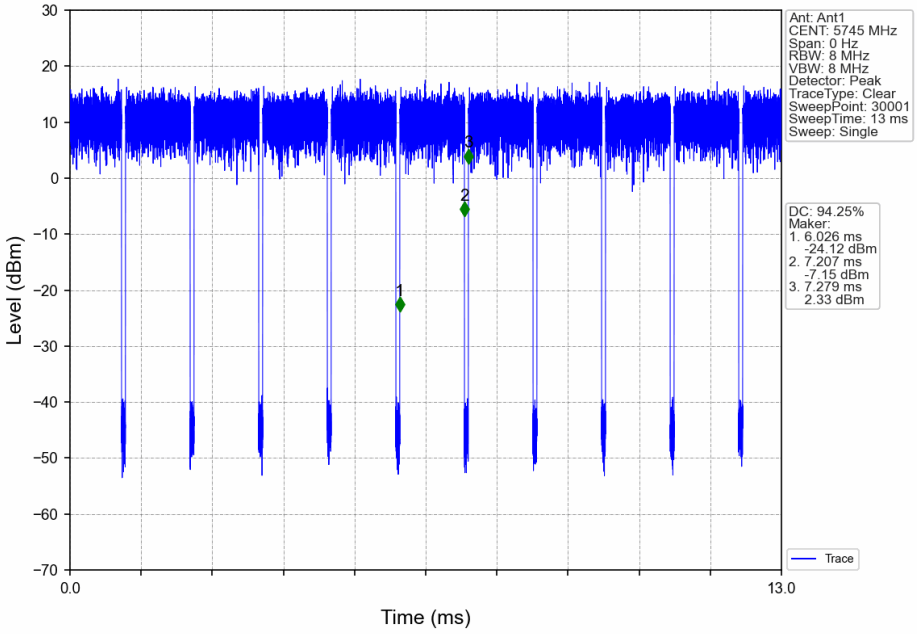
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



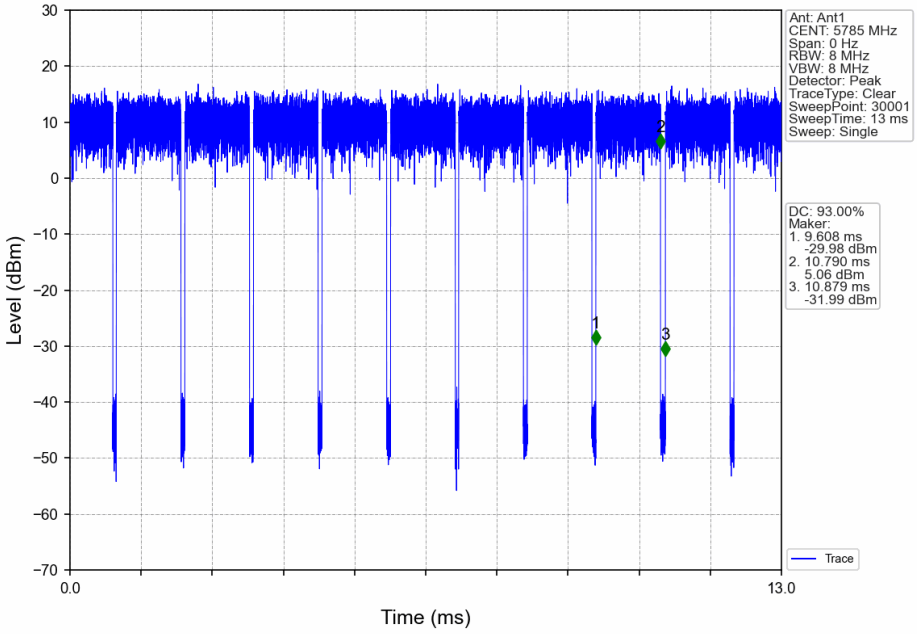
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



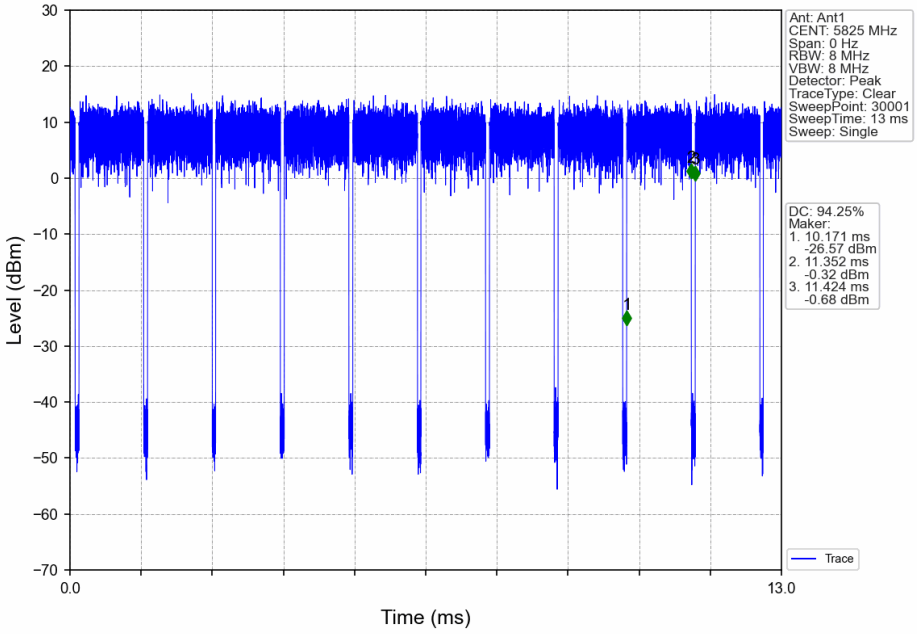
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



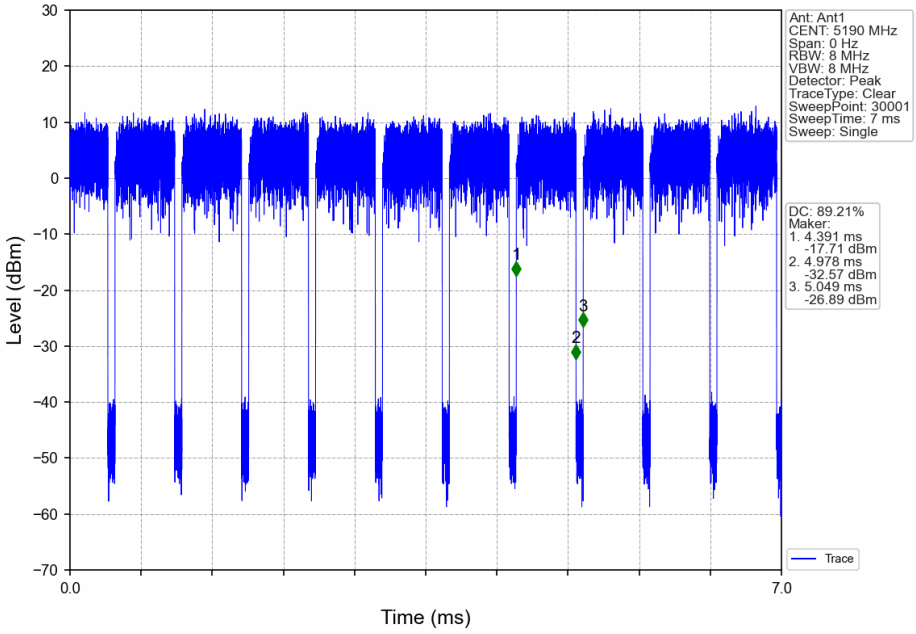
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



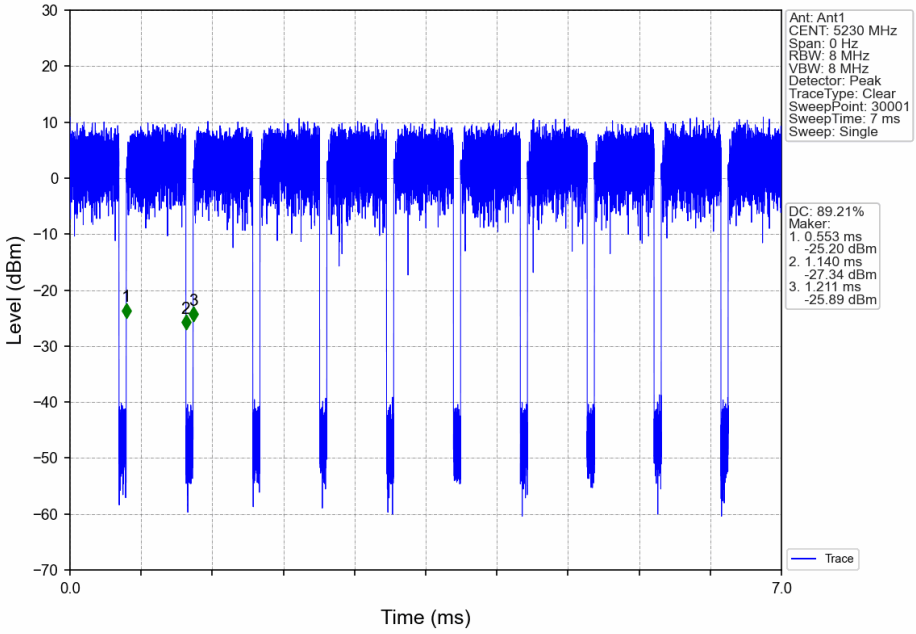
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



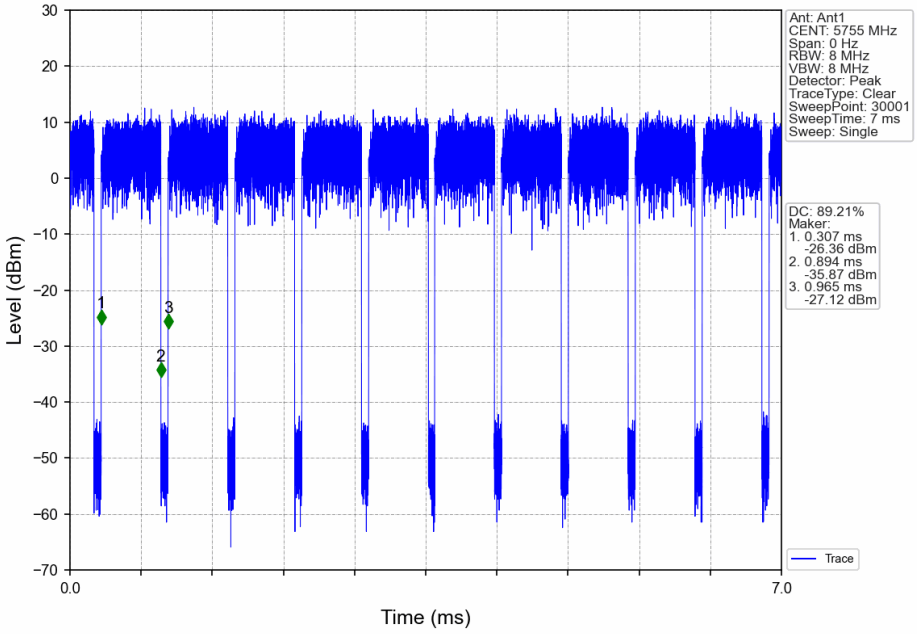
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



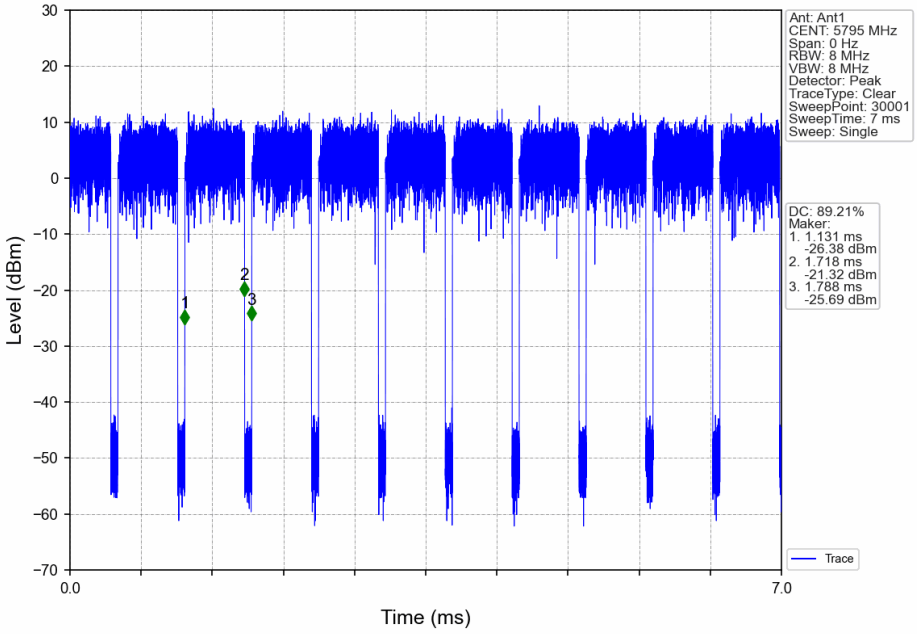
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



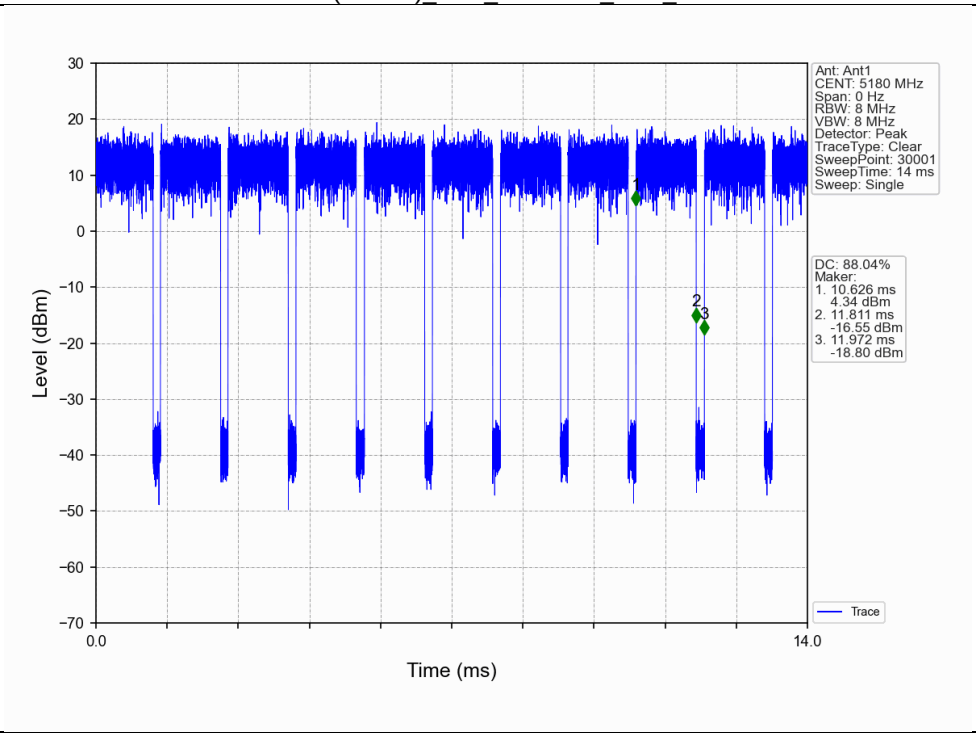
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



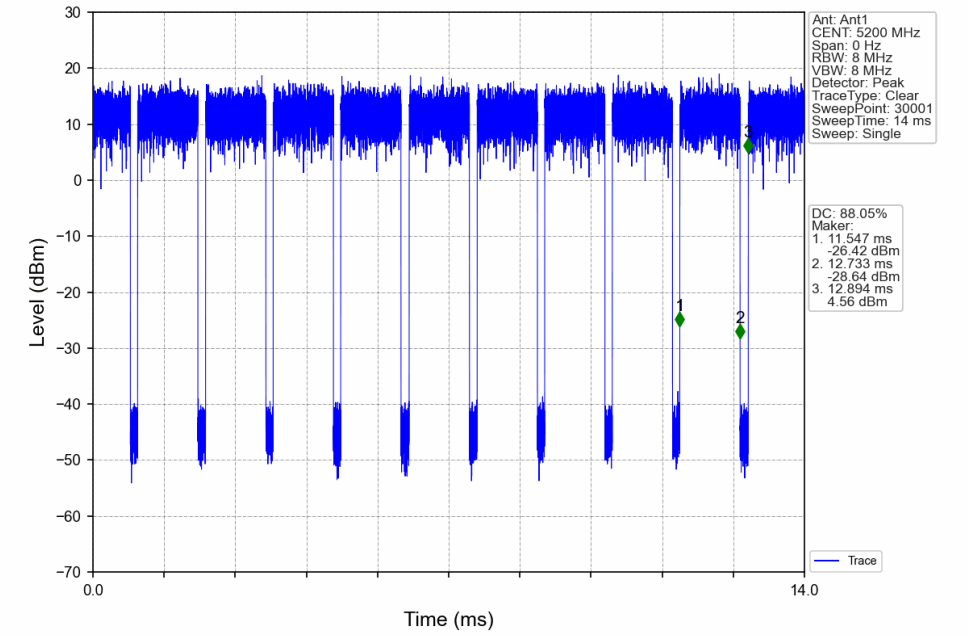
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



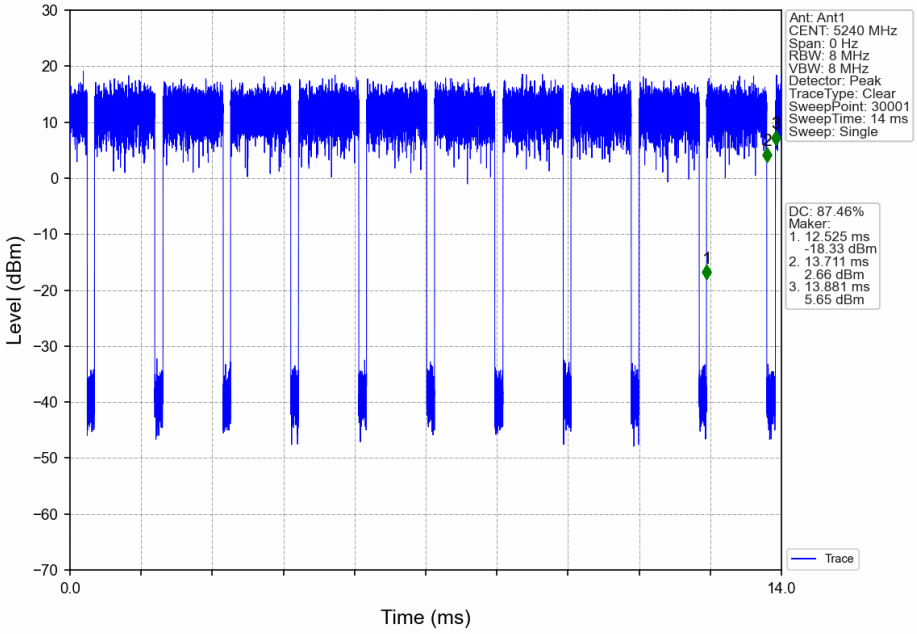
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



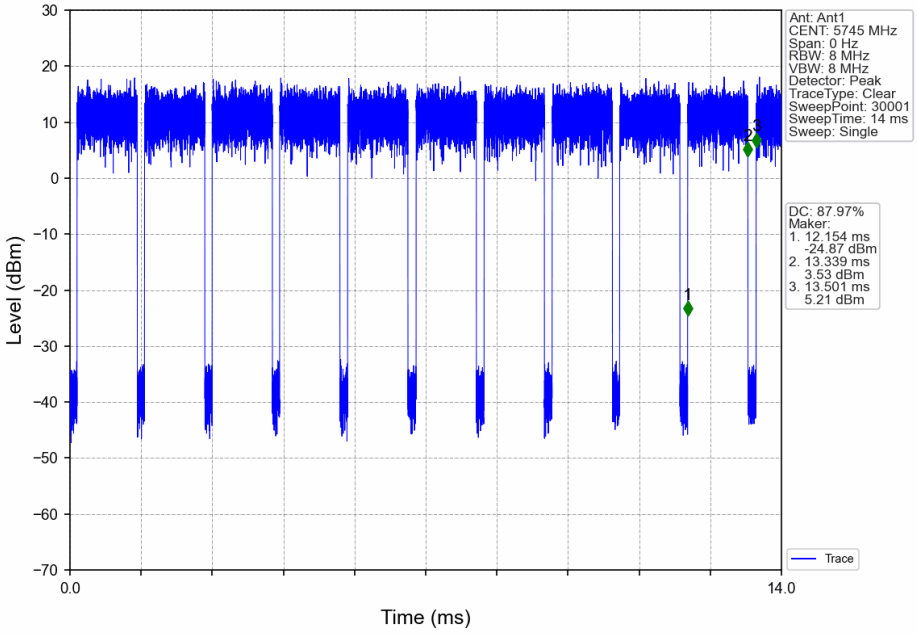
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



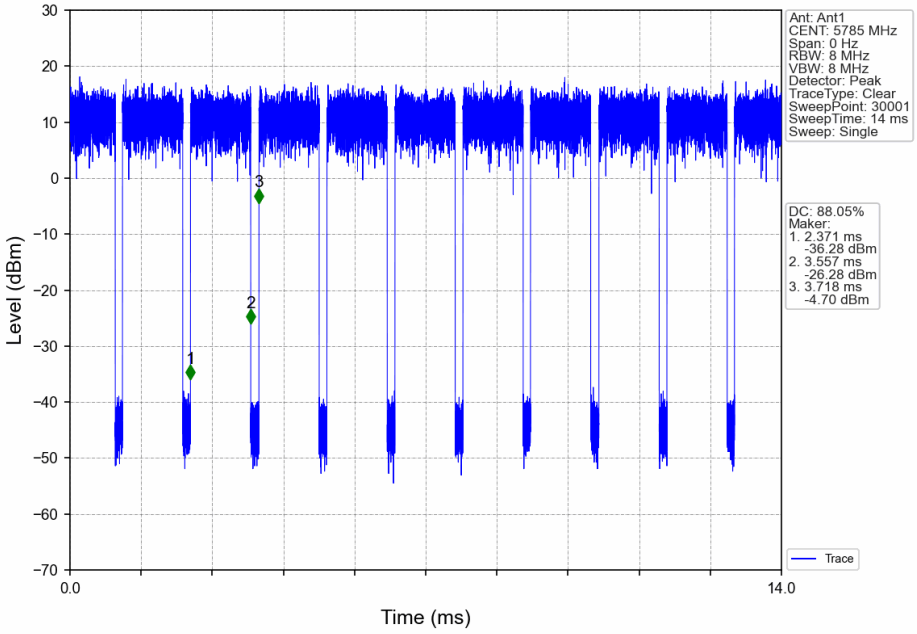
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



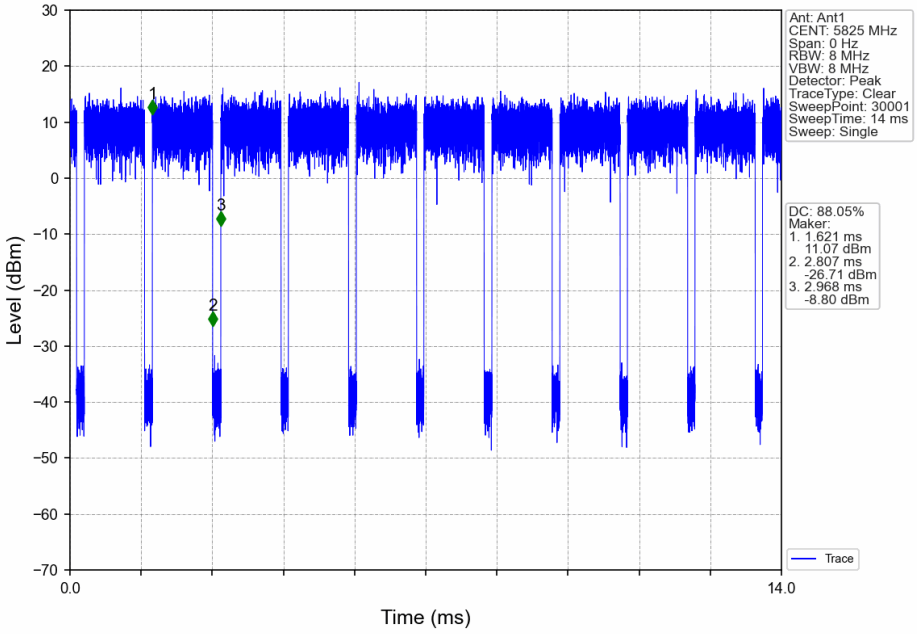
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



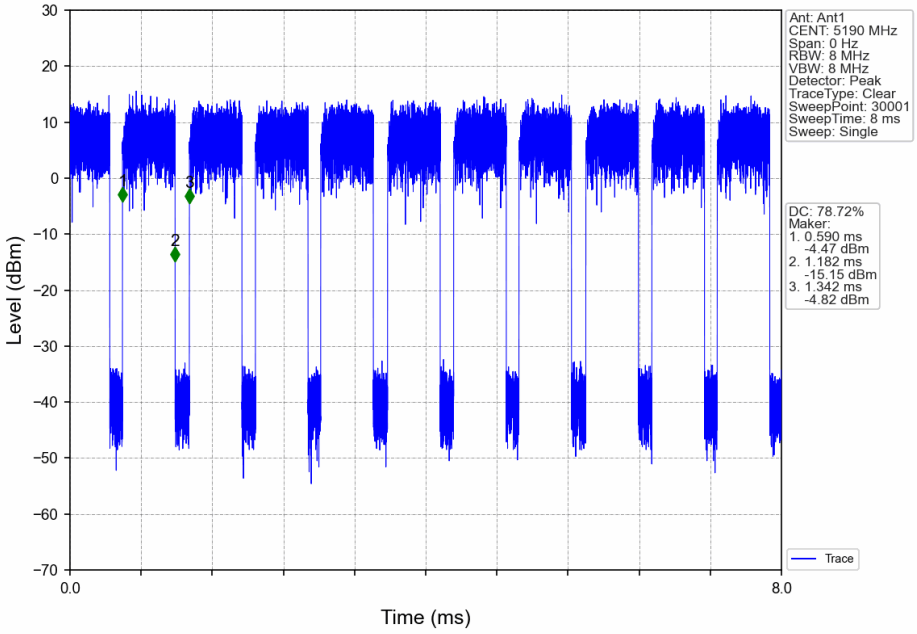
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



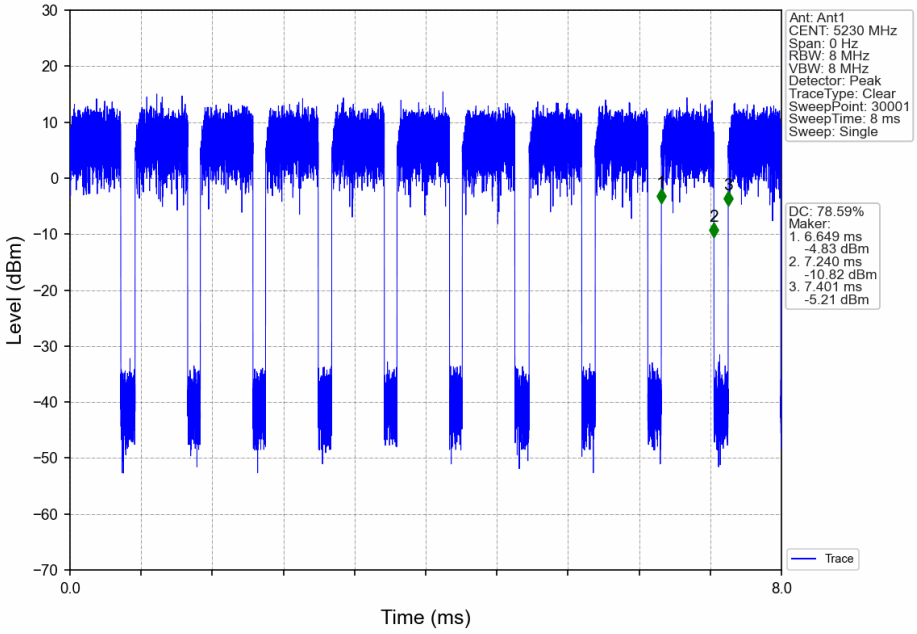
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



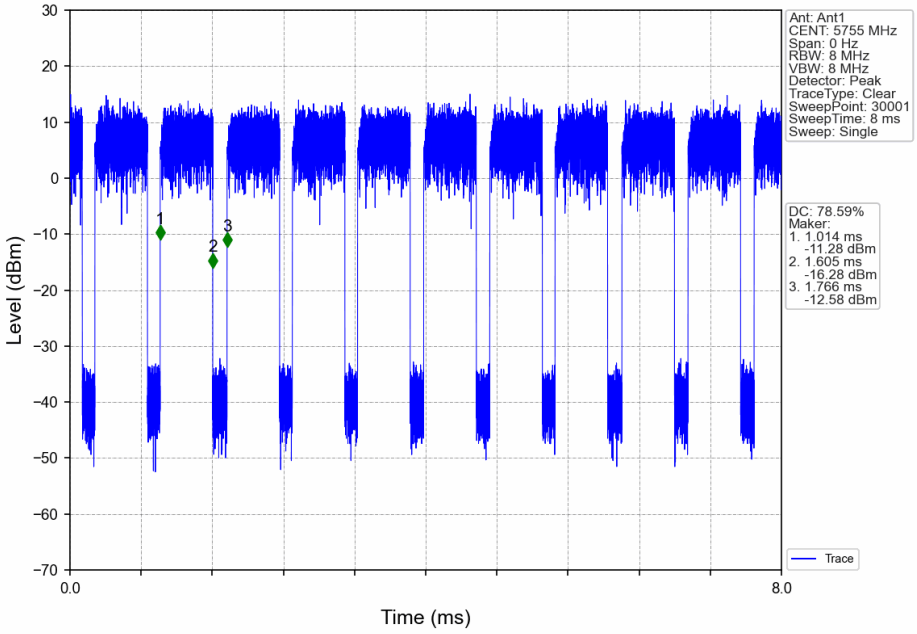
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



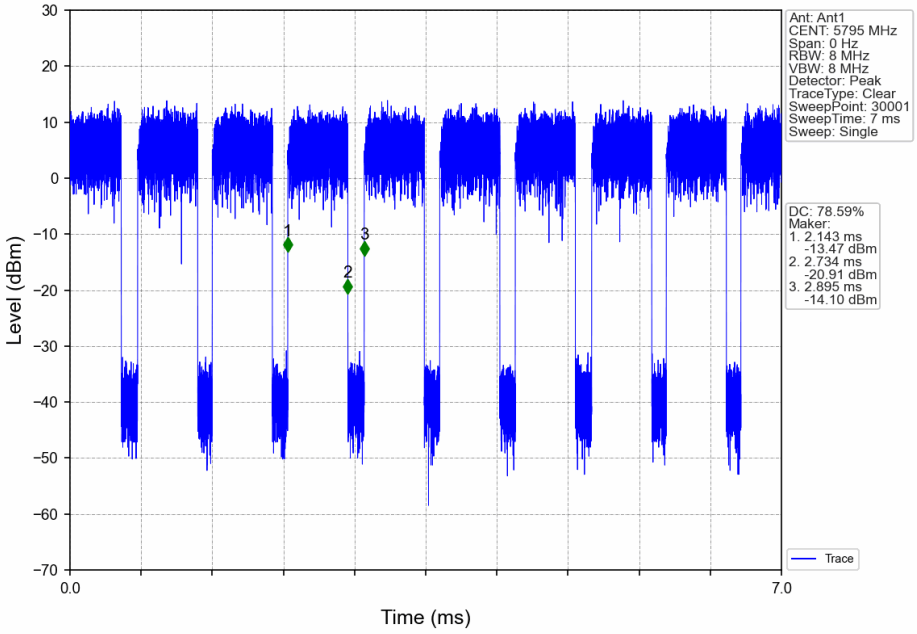
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



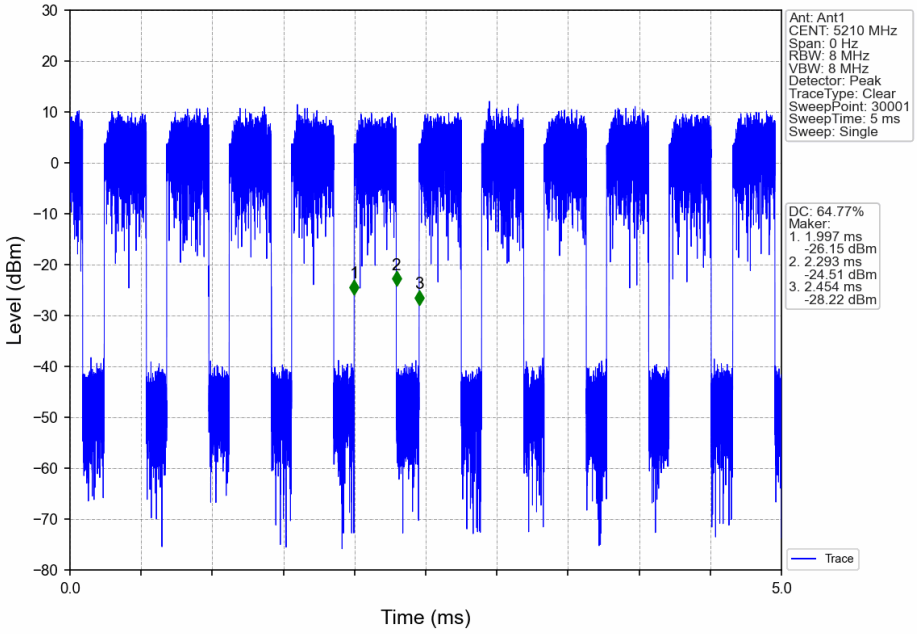
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



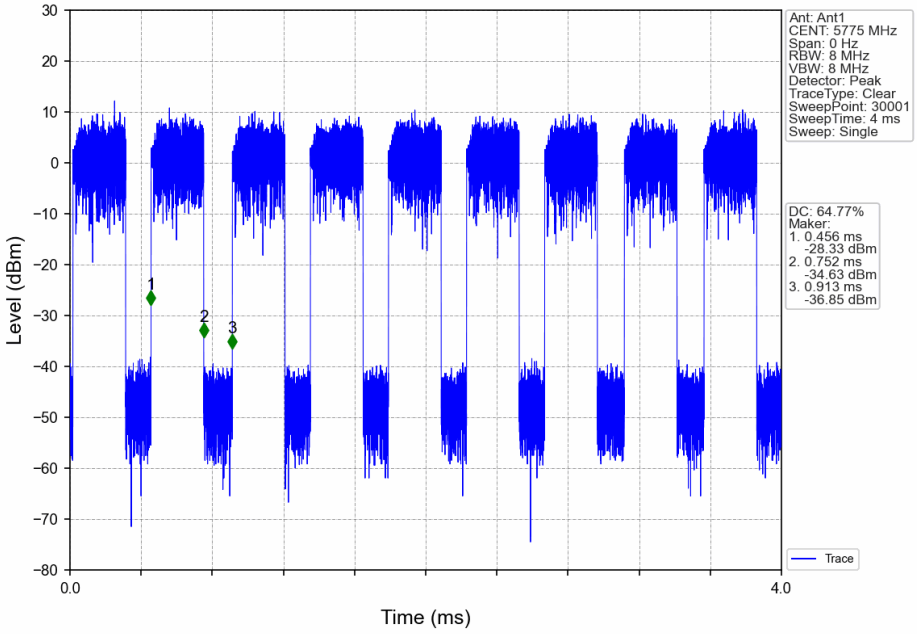
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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	17.769	/	Pass
		5200	1	17.852	/	Pass
		5240	1	17.856	/	Pass
		5745	1	17.852	/	Pass
		5785	1	17.869	/	Pass
		5825	1	17.852	/	Pass
802.11n (HT20)	SISO	5180	1	18.466	/	Pass
		5200	1	18.382	/	Pass
		5240	1	18.487	/	Pass
		5745	1	18.396	/	Pass
		5785	1	18.357	/	Pass
		5825	1	18.497	/	Pass
802.11n (HT40)	SISO	5190	1	37.125	/	Pass
		5230	1	36.893	/	Pass
		5755	1	37.158	/	Pass
		5795	1	37.042	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.490	/	Pass
		5200	1	18.528	/	Pass
		5240	1	18.415	/	Pass
		5745	1	18.465	/	Pass
		5785	1	18.394	/	Pass
		5825	1	18.440	/	Pass
802.11ac (VHT40)	SISO	5190	1	37.117	/	Pass
		5230	1	37.098	/	Pass
		5755	1	37.041	/	Pass
		5795	1	36.902	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.326	/	Pass
		5775	1	76.142	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.403	>=0.5	Pass
		5785	1	16.400	>=0.5	Pass
		5825	1	16.408	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.573	>=0.5	Pass
		5785	1	17.586	>=0.5	Pass
		5825	1	17.577	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.469	>=0.5	Pass
		5795	1	36.317	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.578	>=0.5	Pass
		5785	1	17.571	>=0.5	Pass
		5825	1	17.438	>=0.5	Pass

802.11ac (VHT40)	SISO	5755	1	36.440	>=0.5	Pass
		5795	1	36.256	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.592	>=0.5	Pass

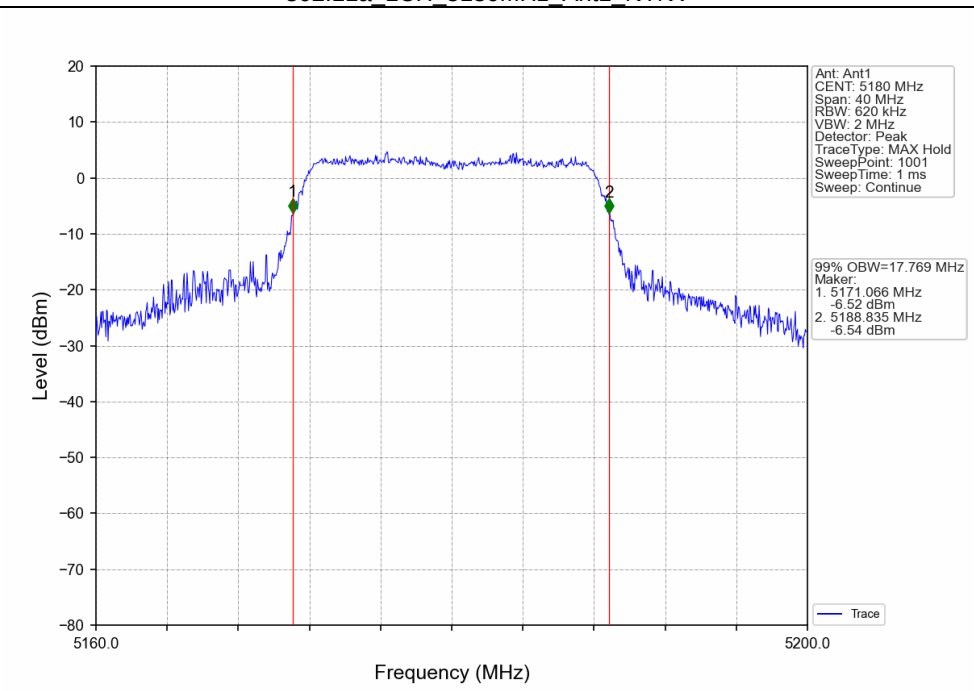
2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	26.723	/	Pass
		5200	1	27.577	/	Pass
		5240	1	25.686	/	Pass
802.11n (HT20)	SISO	5180	1	30.139	/	Pass
		5200	1	29.417	/	Pass
		5240	1	31.336	/	Pass
802.11n (HT40)	SISO	5190	1	48.362	/	Pass
		5230	1	47.128	/	Pass
802.11ac (VHT20)	SISO	5180	1	30.359	/	Pass
		5200	1	30.599	/	Pass
		5240	1	29.815	/	Pass
802.11ac (VHT40)	SISO	5190	1	51.392	/	Pass
		5230	1	44.978	/	Pass
802.11ac (VHT80)	SISO	5210	1	82.932	/	Pass

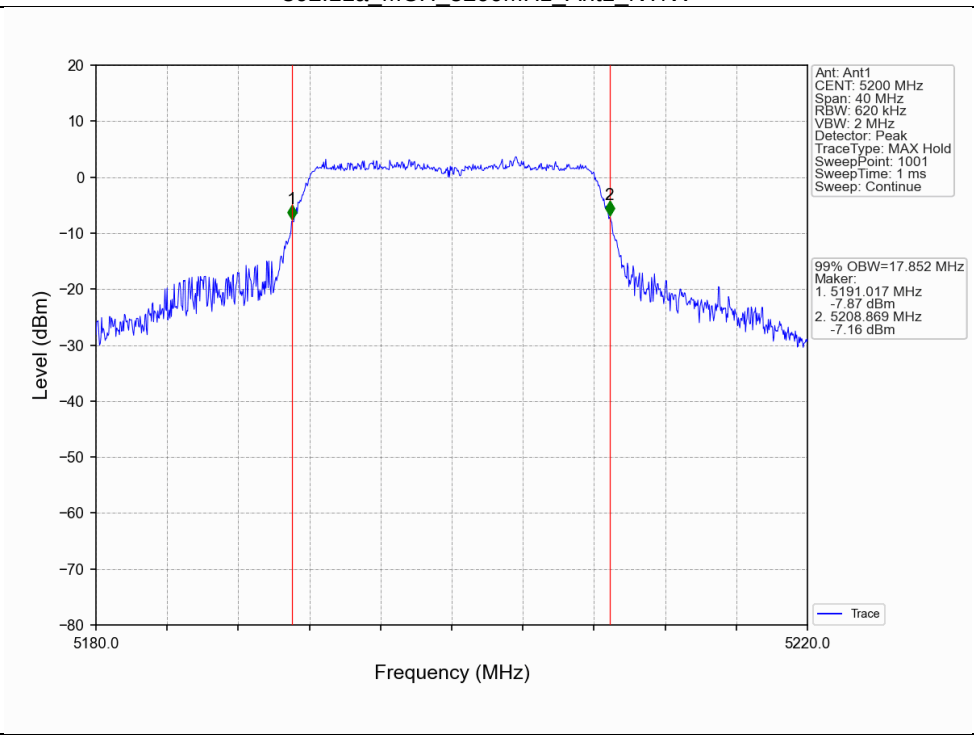
2.2 Test Graph

2.2.1 OBW

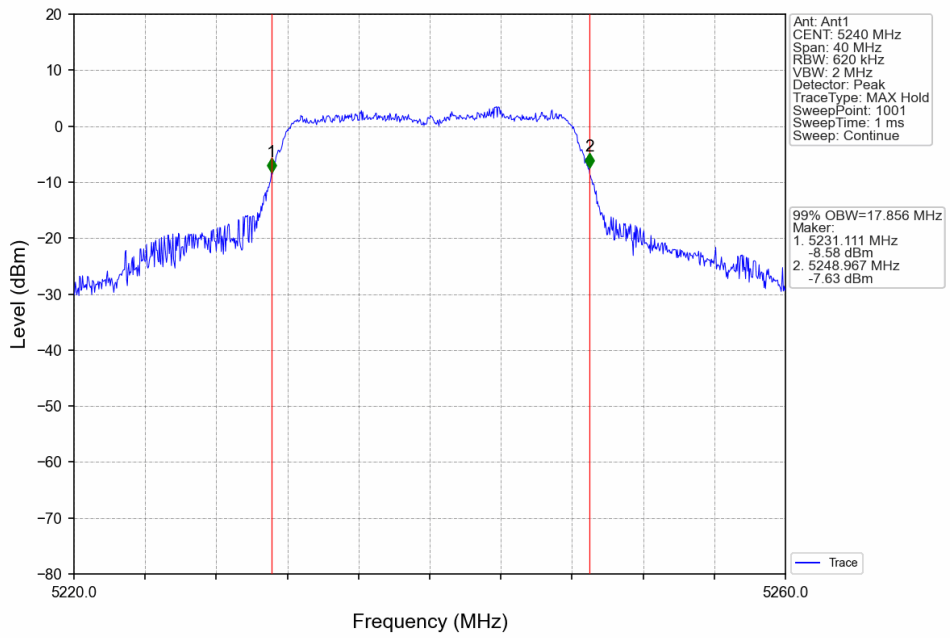
802.11a_LCH_5180MHz_Ant1_NTNV



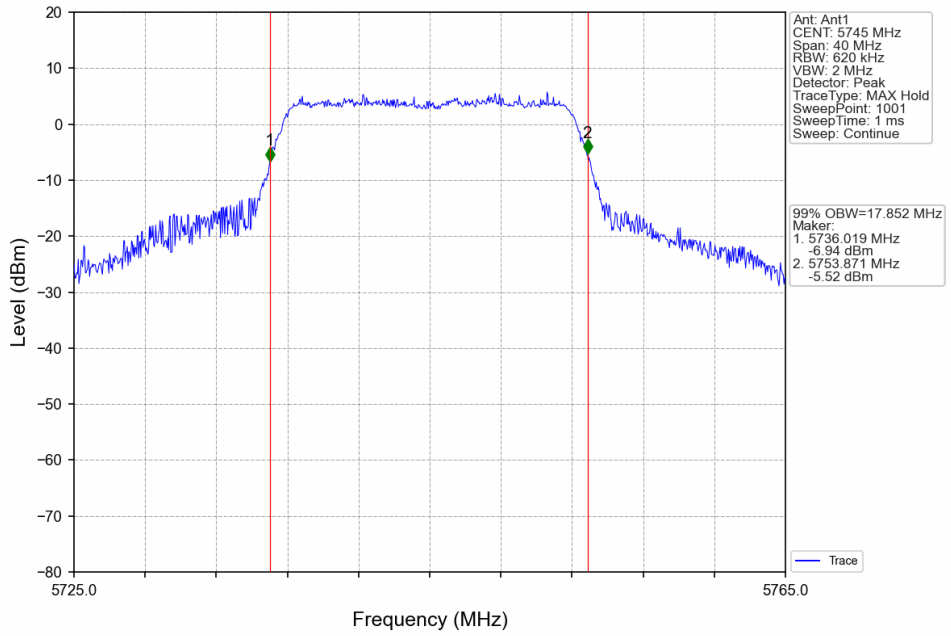
802.11a_MCH_5200MHz_Ant1_NTNV



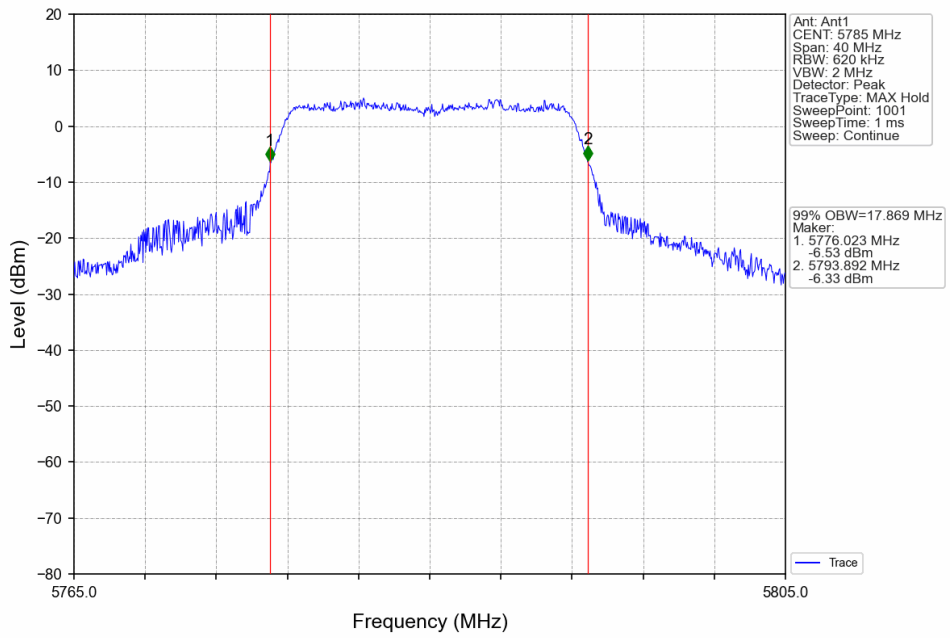
802.11a_HCH_5240MHz_Ant1_NTNV



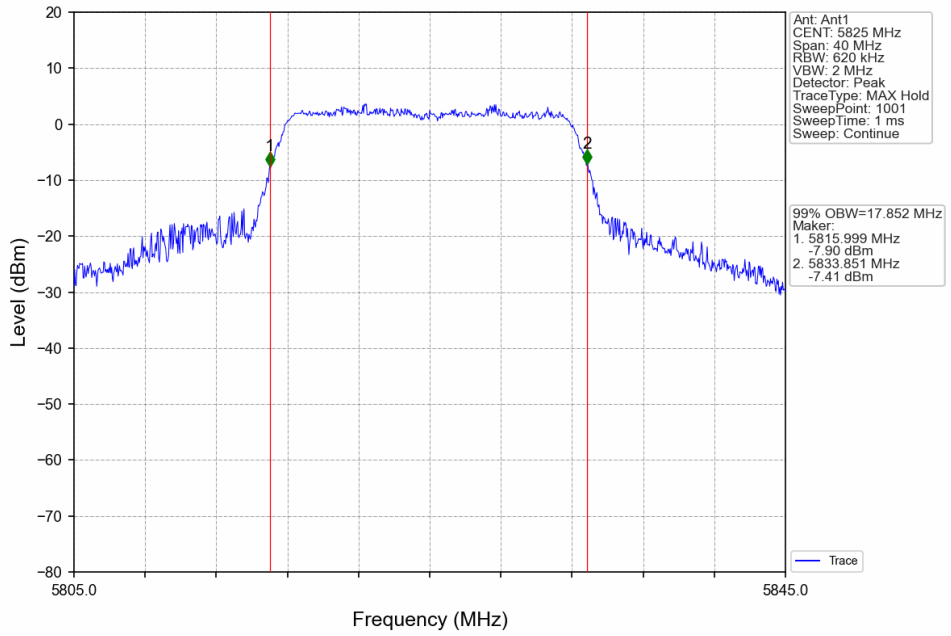
802.11a_LCH_5745MHz_Ant1_NTNV



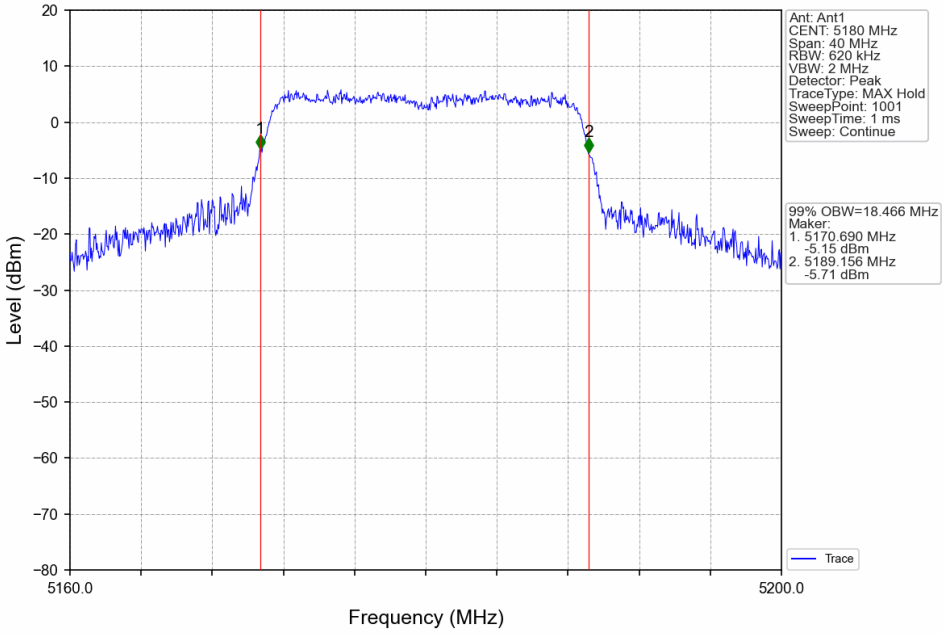
802.11a_MCH_5785MHz_Ant1_NTNV



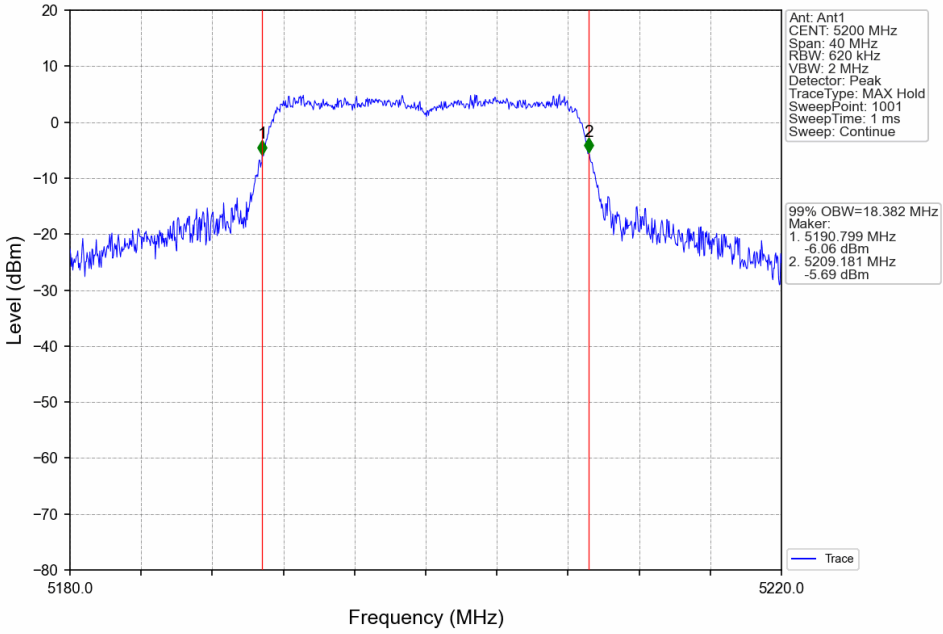
802.11a_HCH_5825MHz_Ant1_NTNV



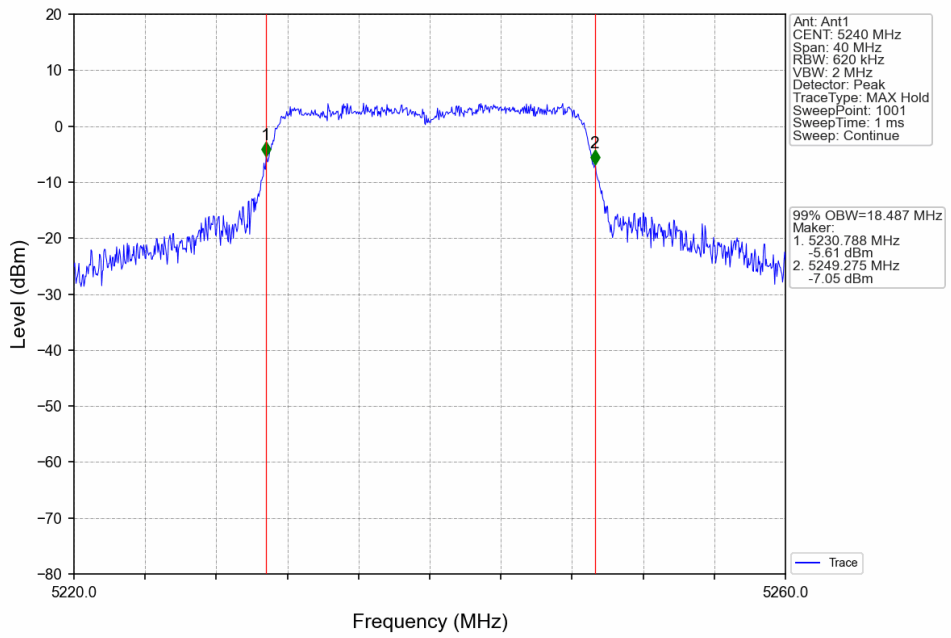
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



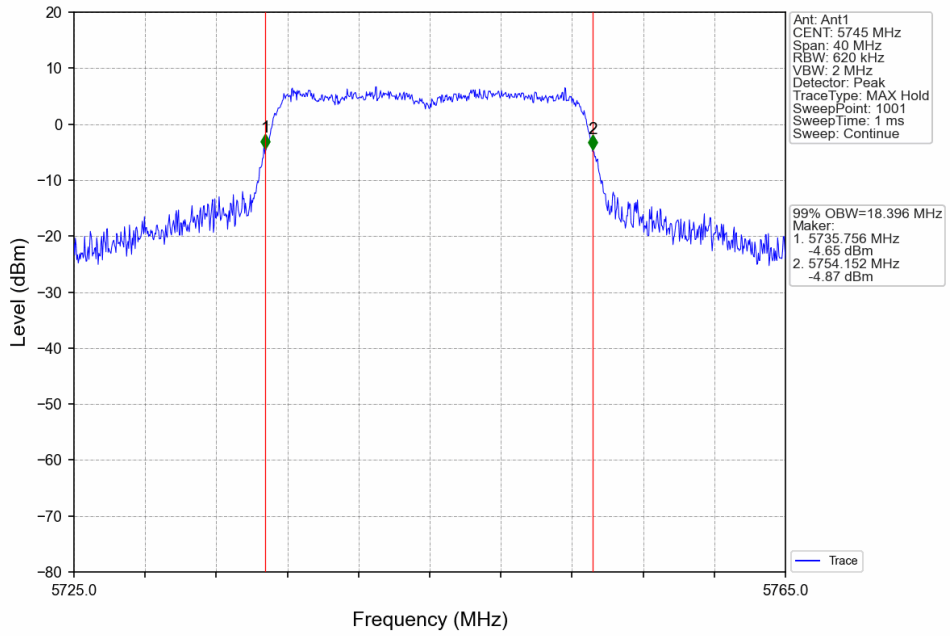
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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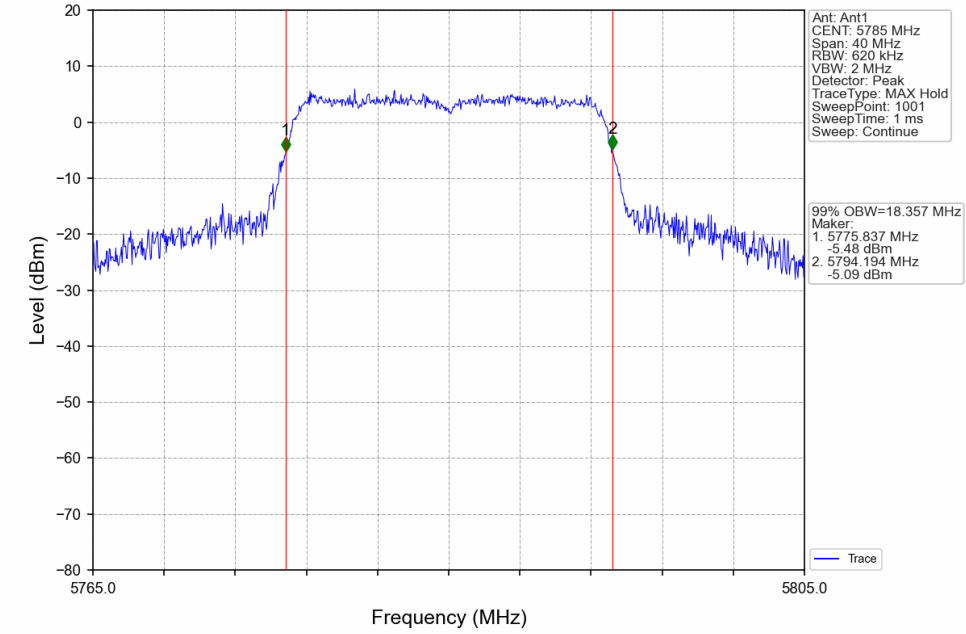

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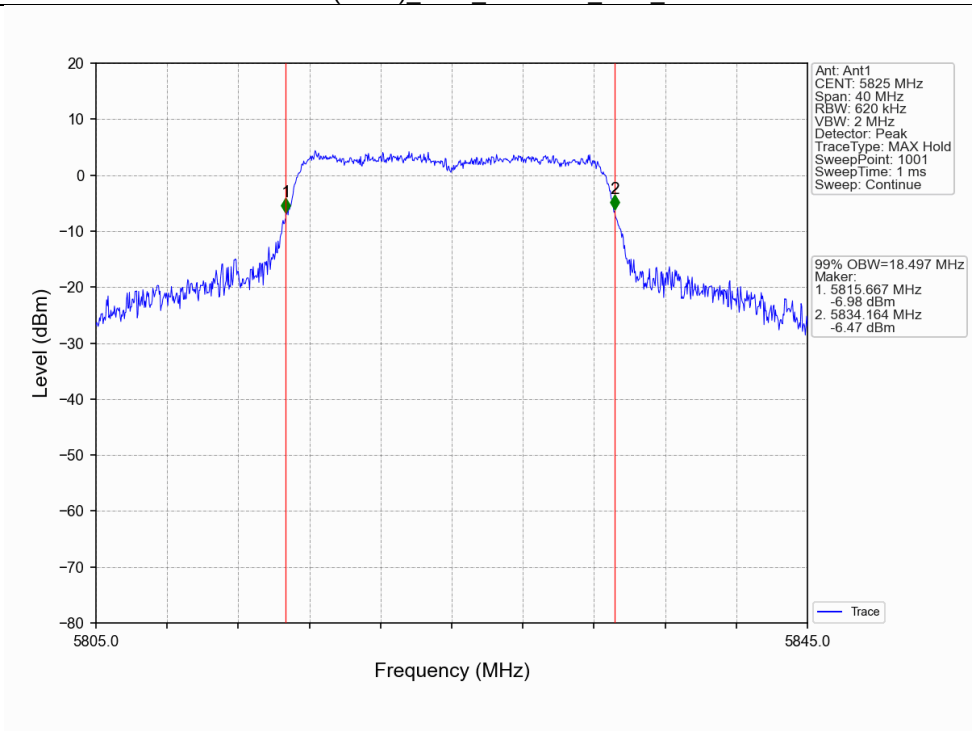

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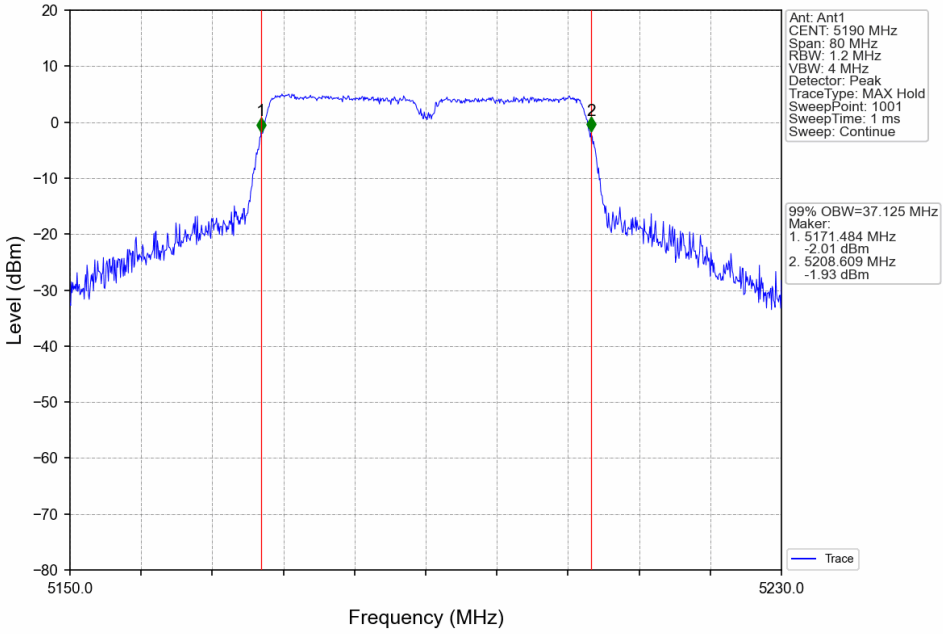

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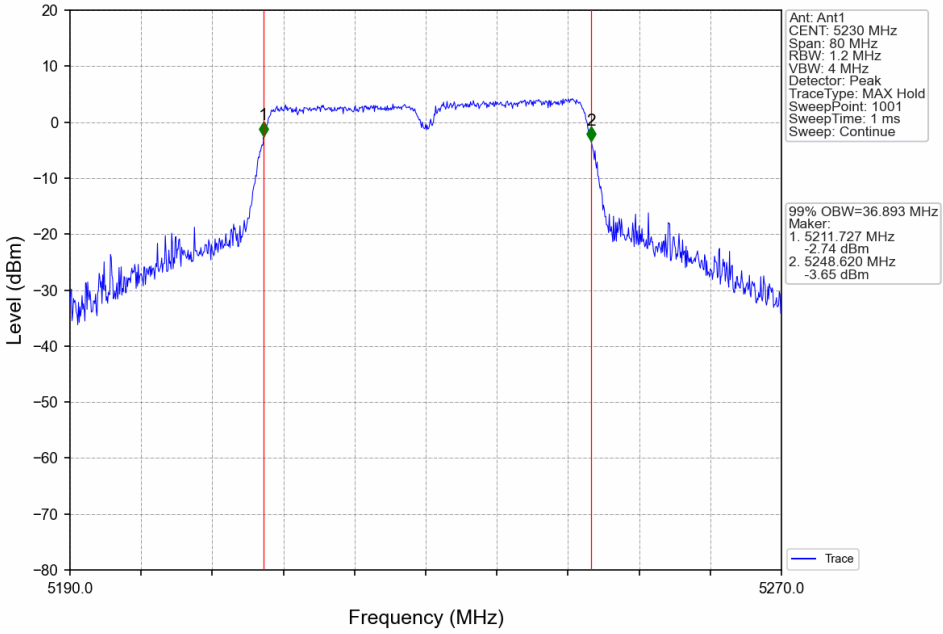

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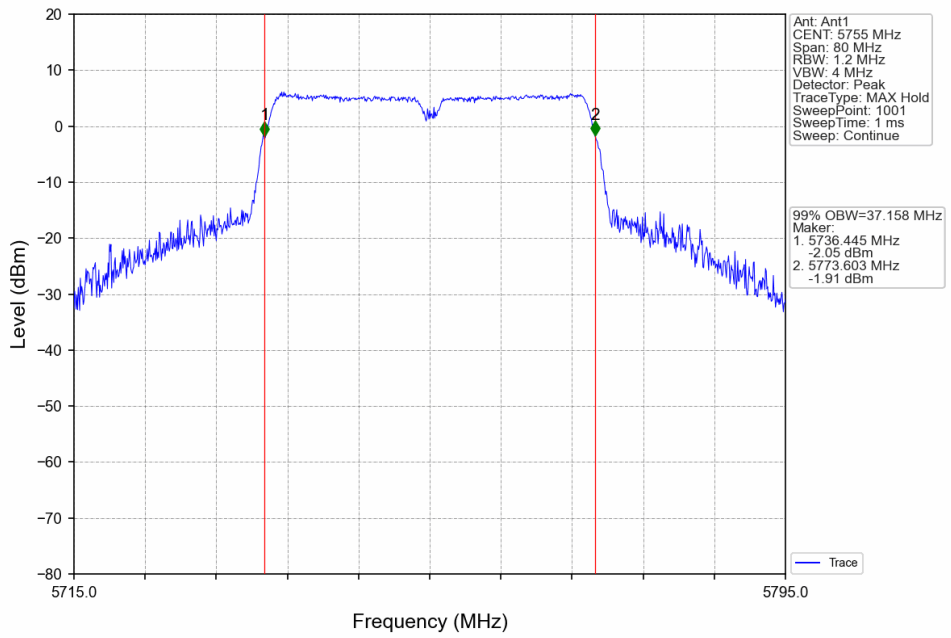

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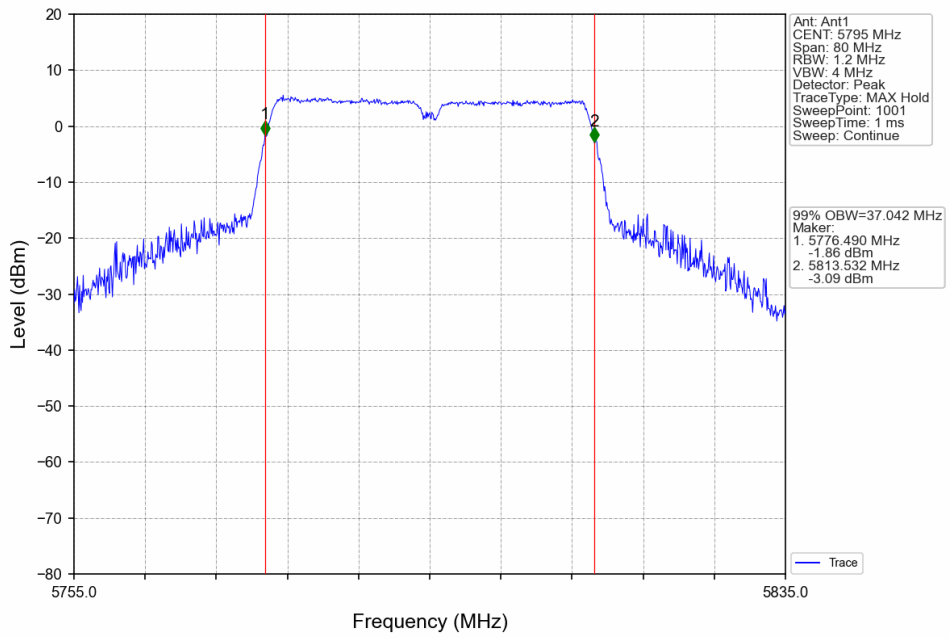
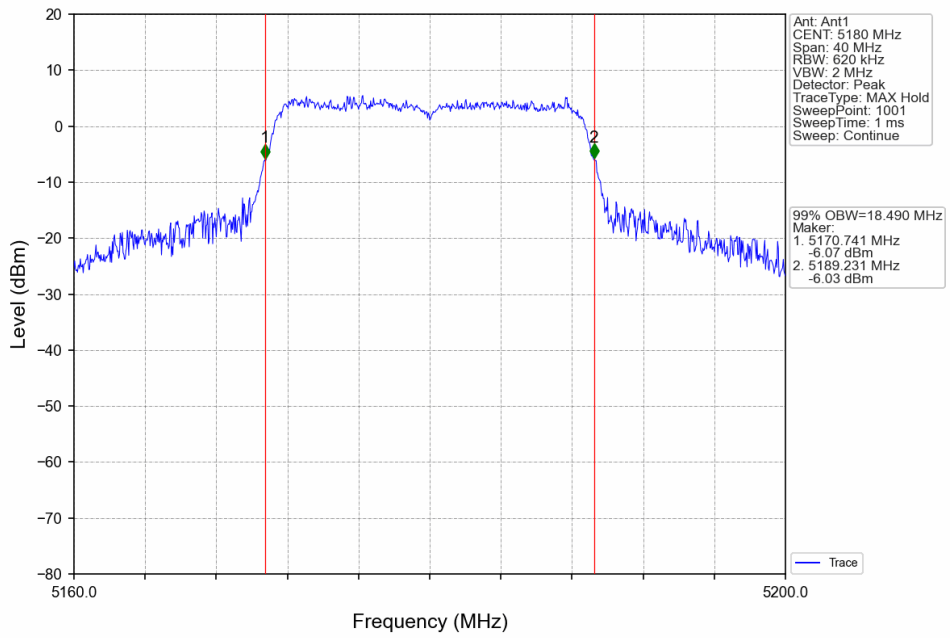


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



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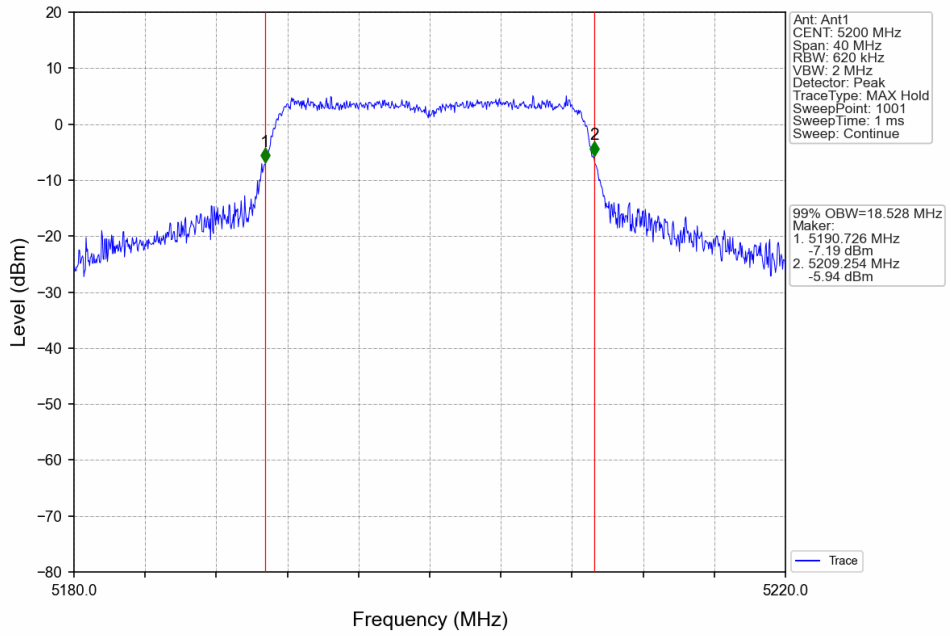

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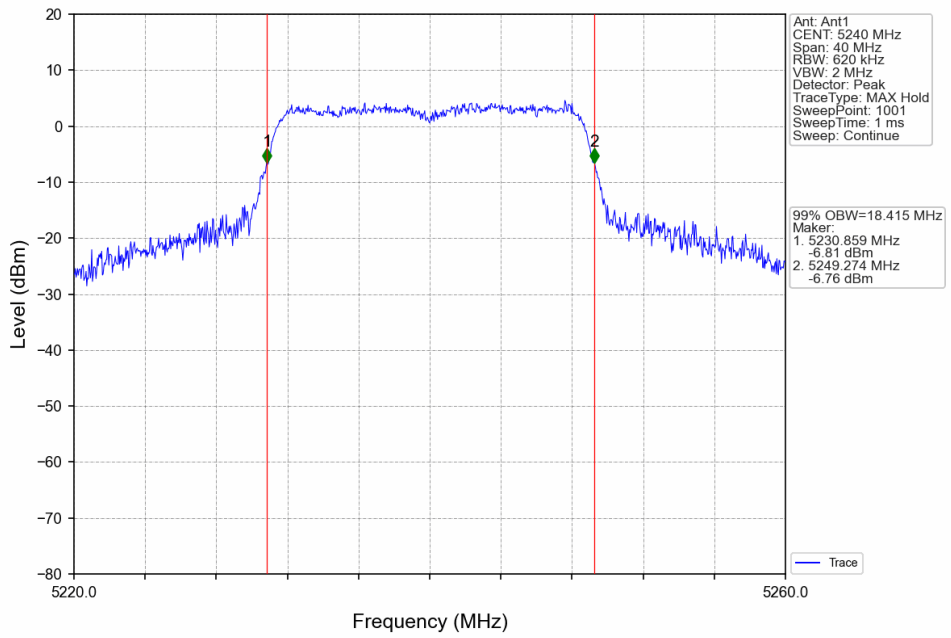

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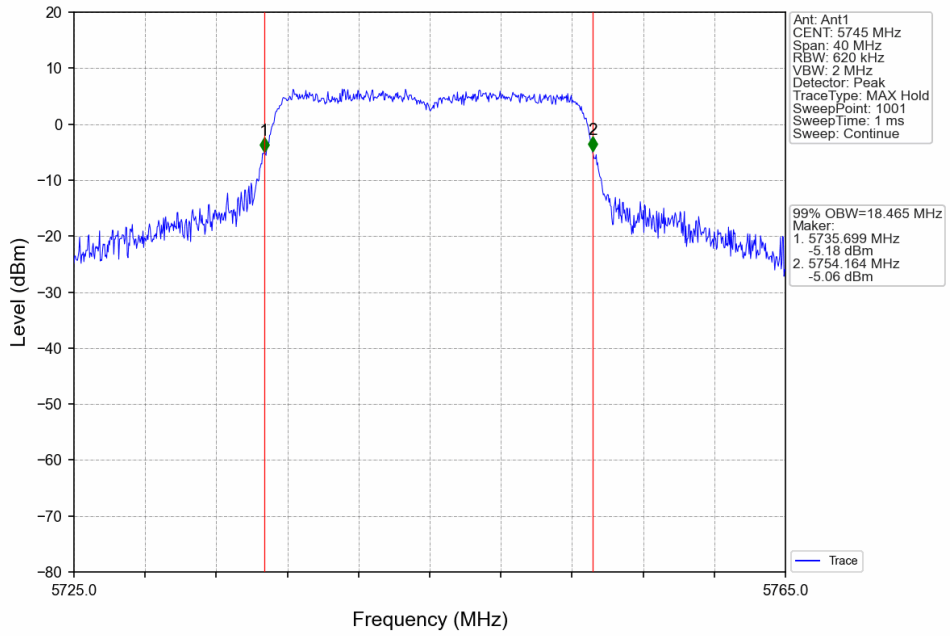
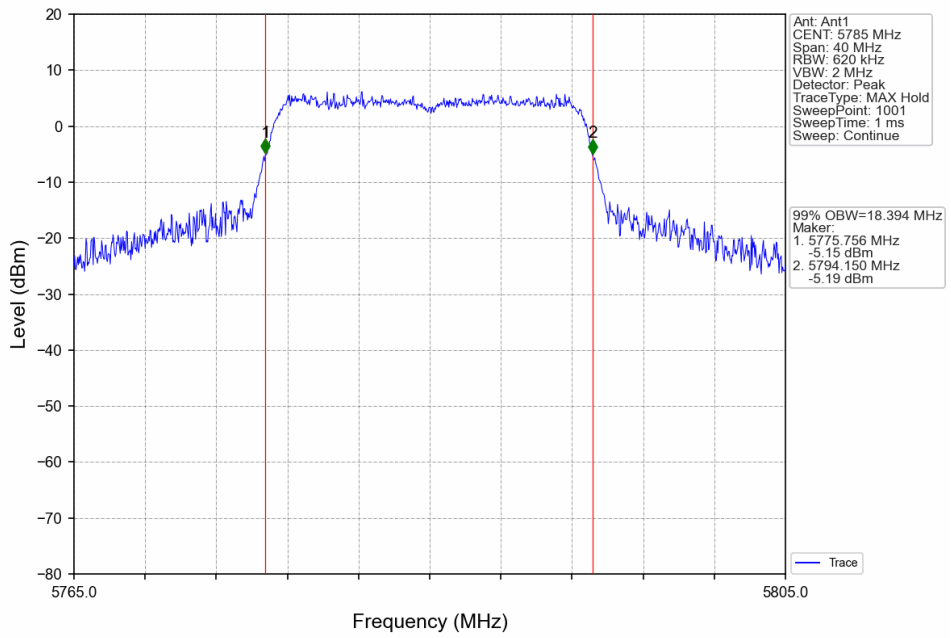
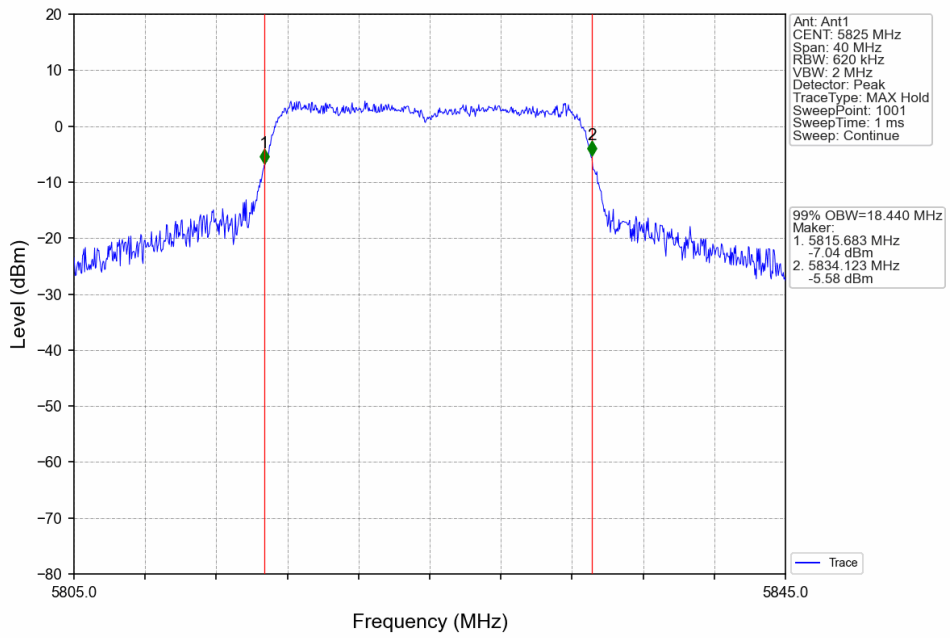


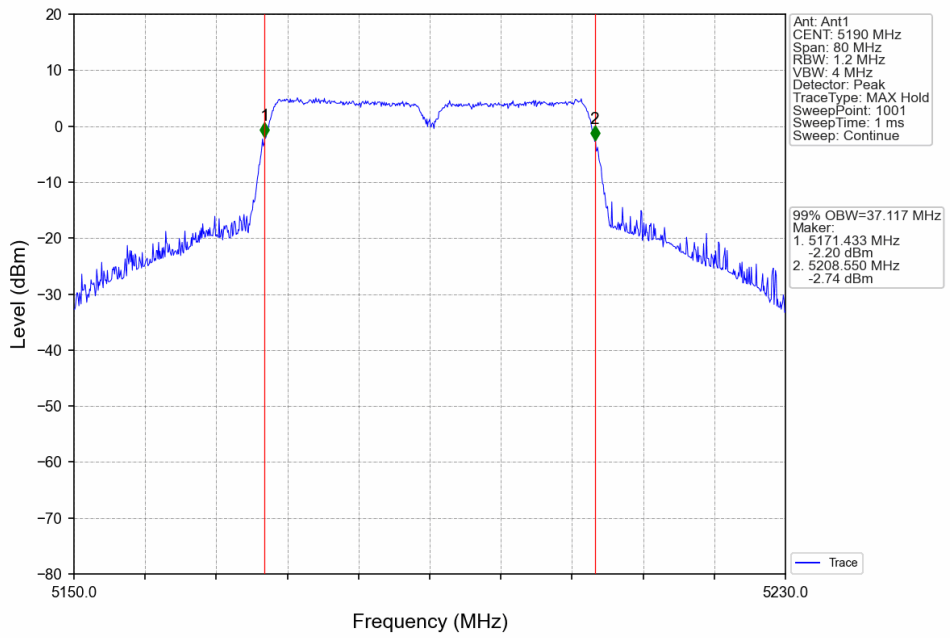
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



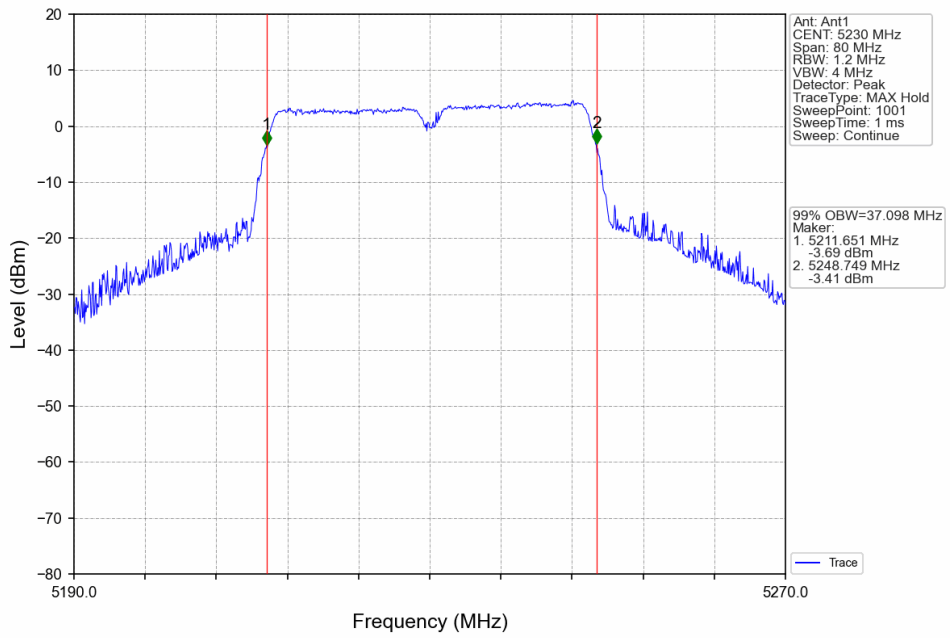
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



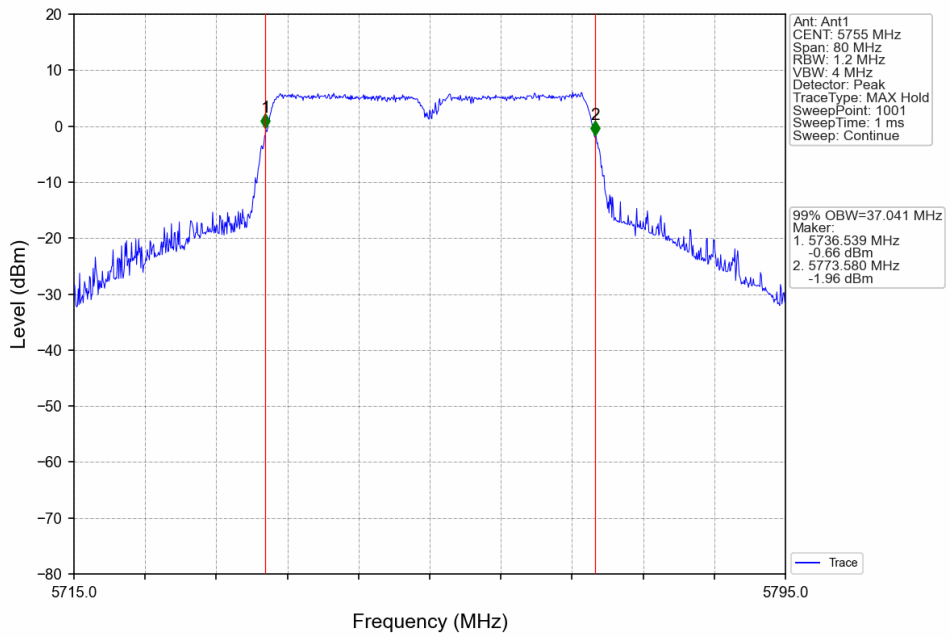
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



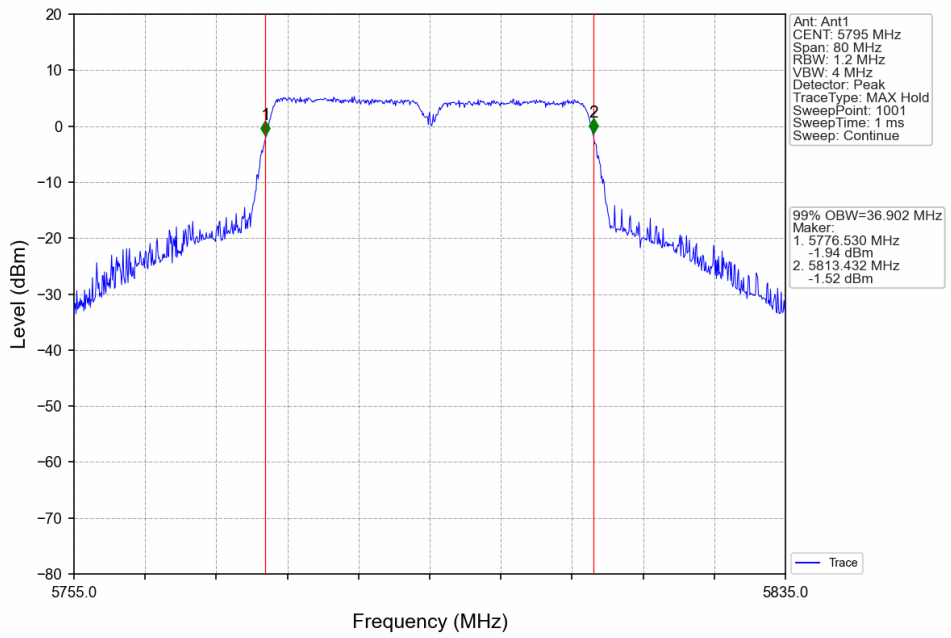
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



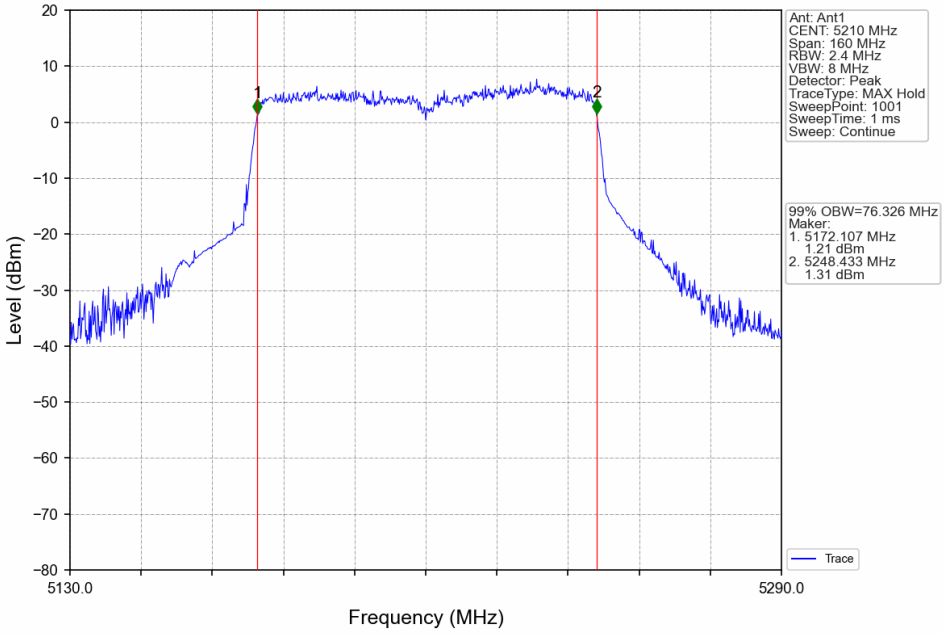
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



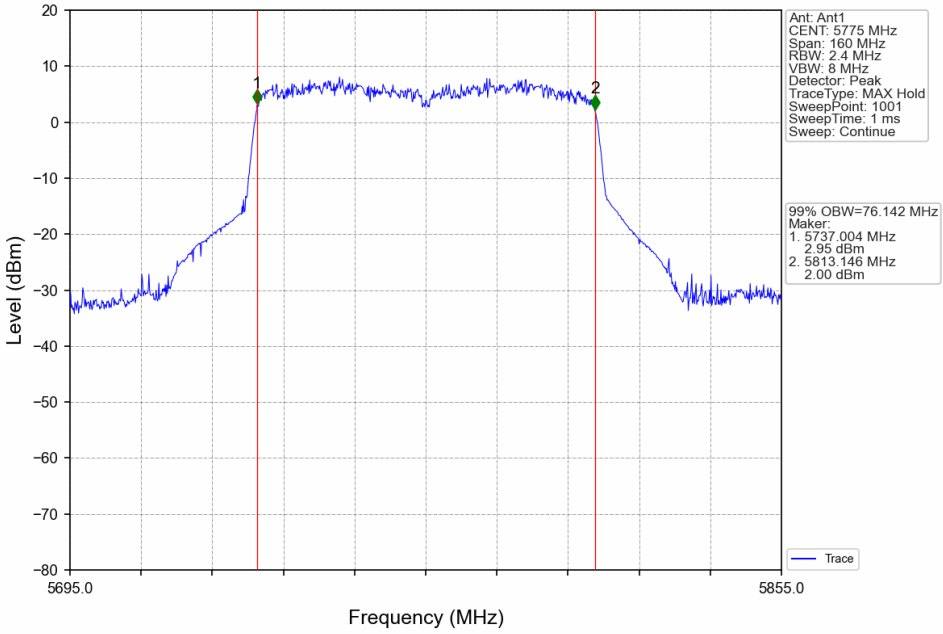
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

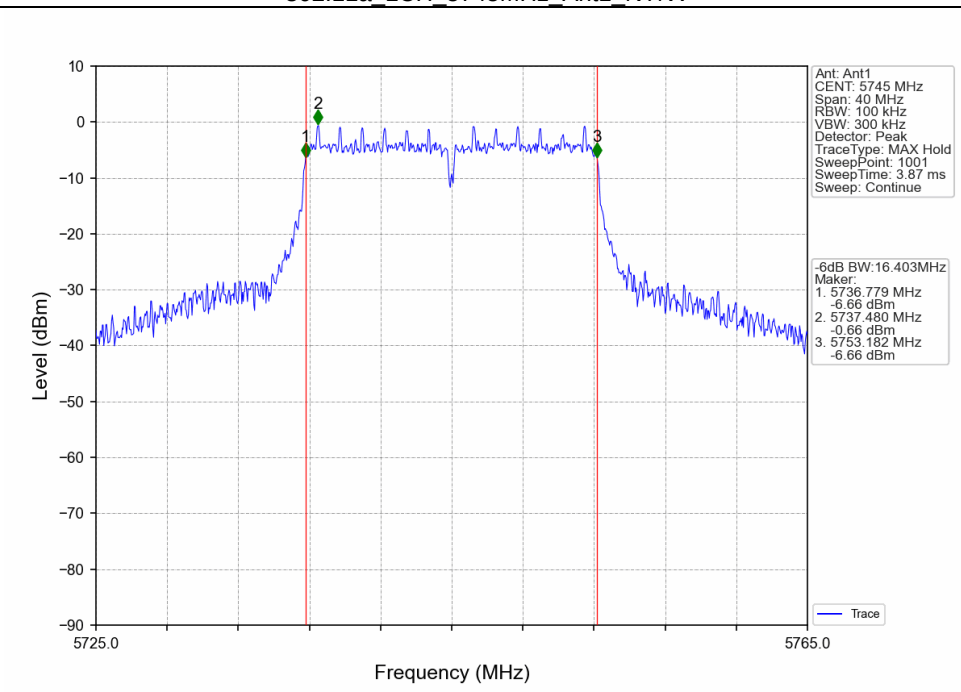


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

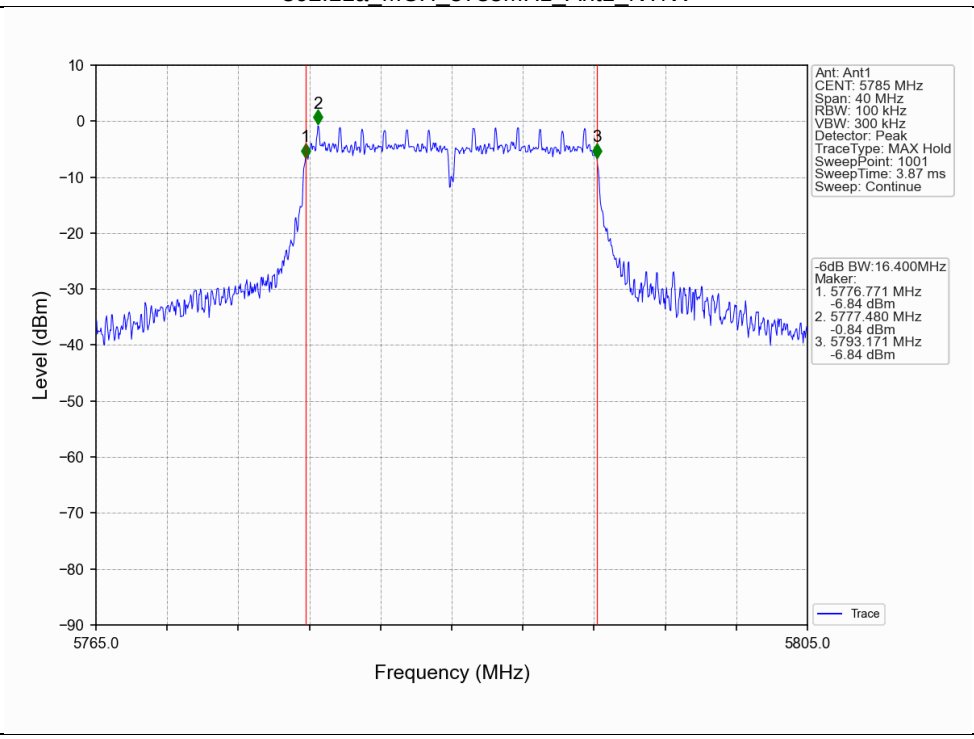


2.2.2 6dB BW

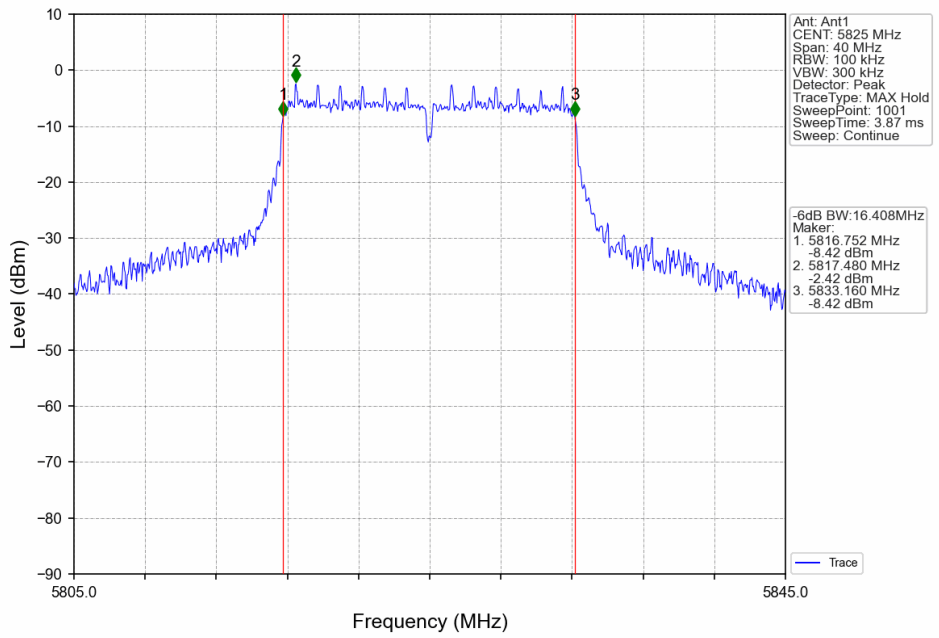
802.11a_LCH_5745MHz_Ant1_NTNV



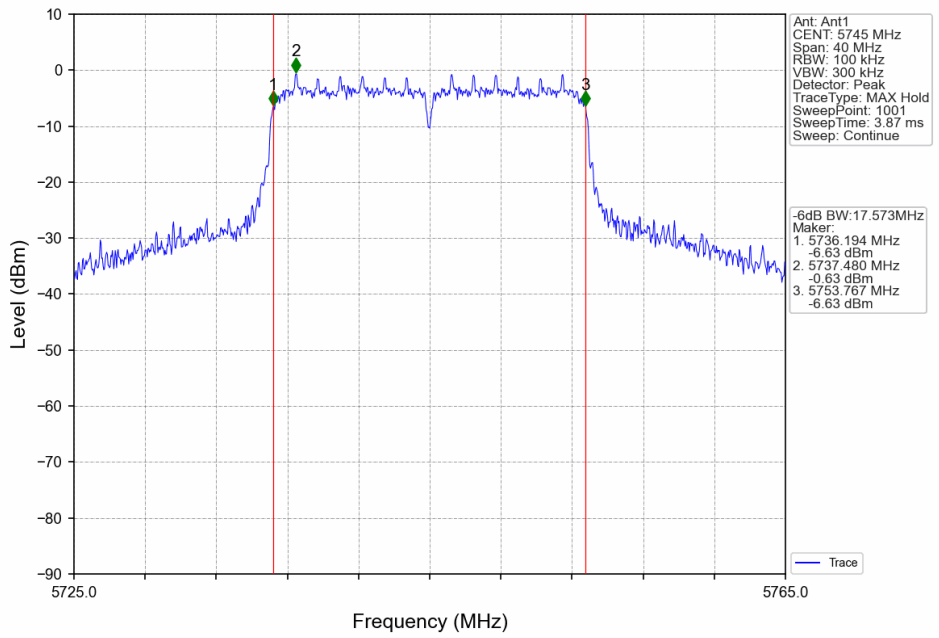
802.11a_MCH_5785MHz_Ant1_NTNV



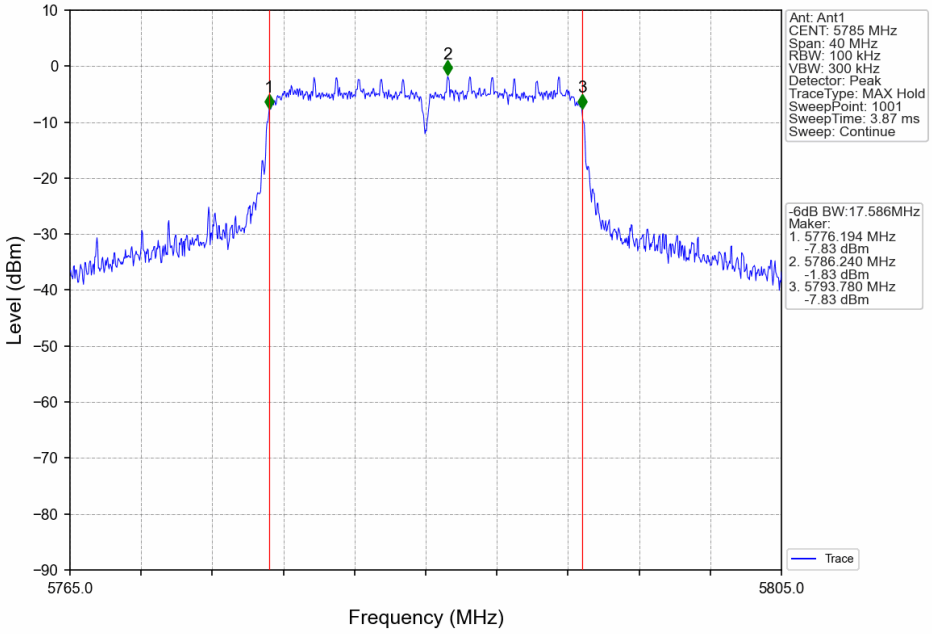
802.11a_HCH_5825MHz_Ant1_NTNV



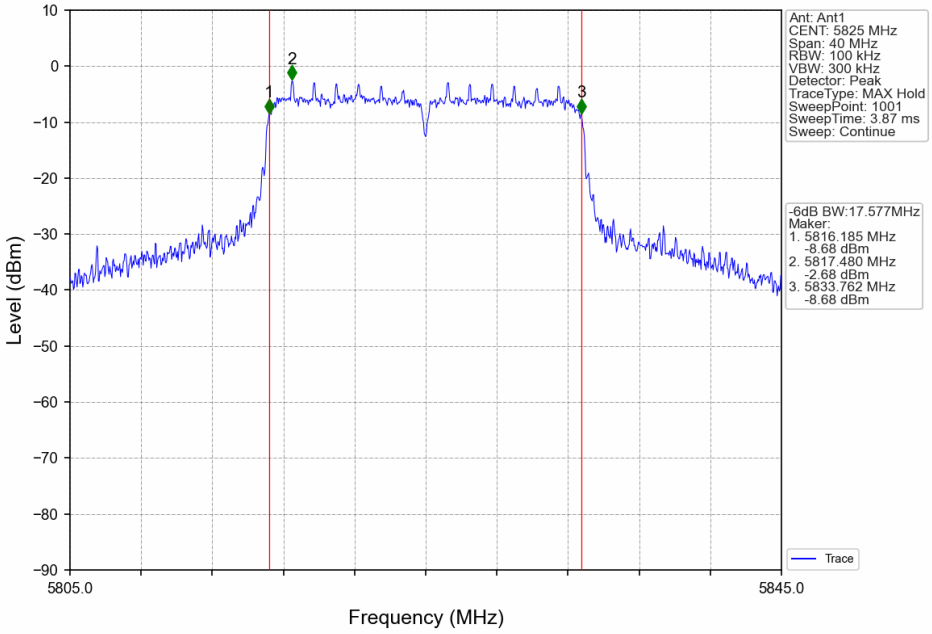
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



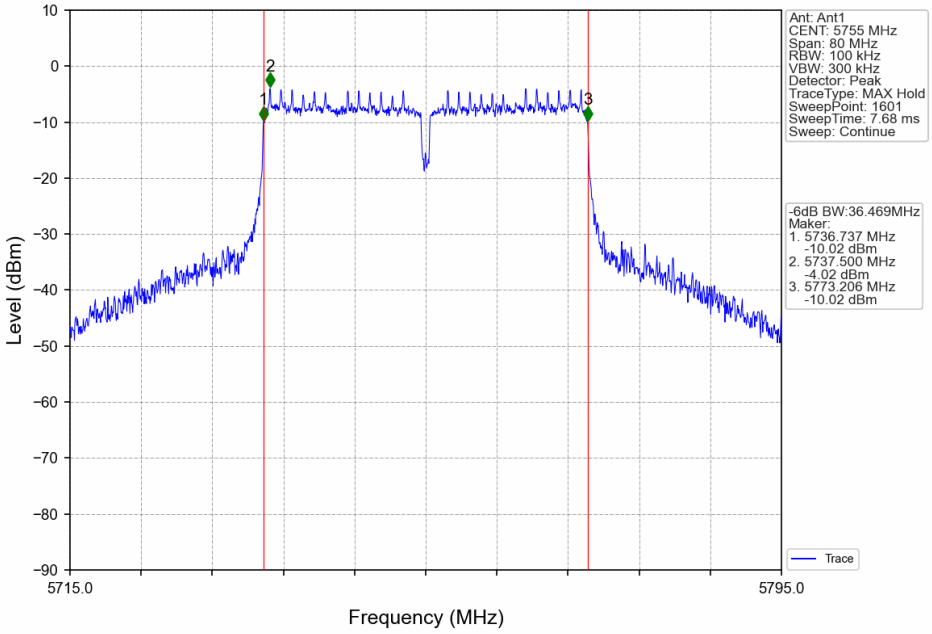
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



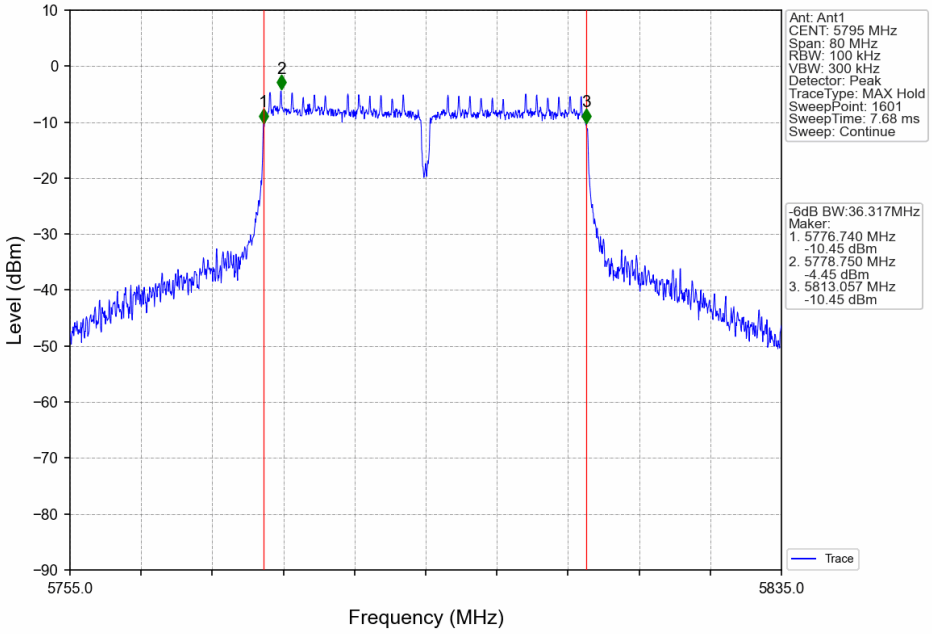
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



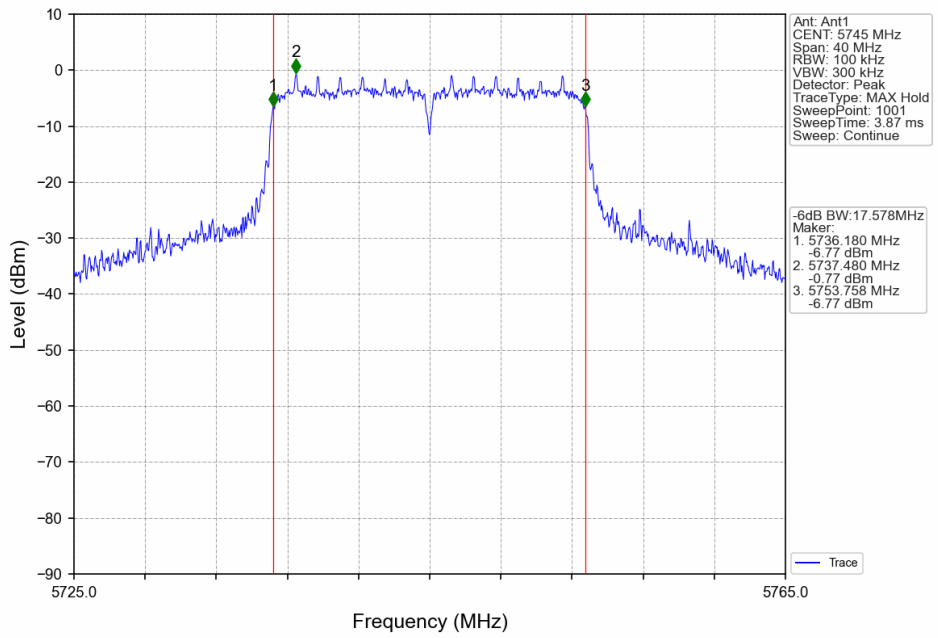
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



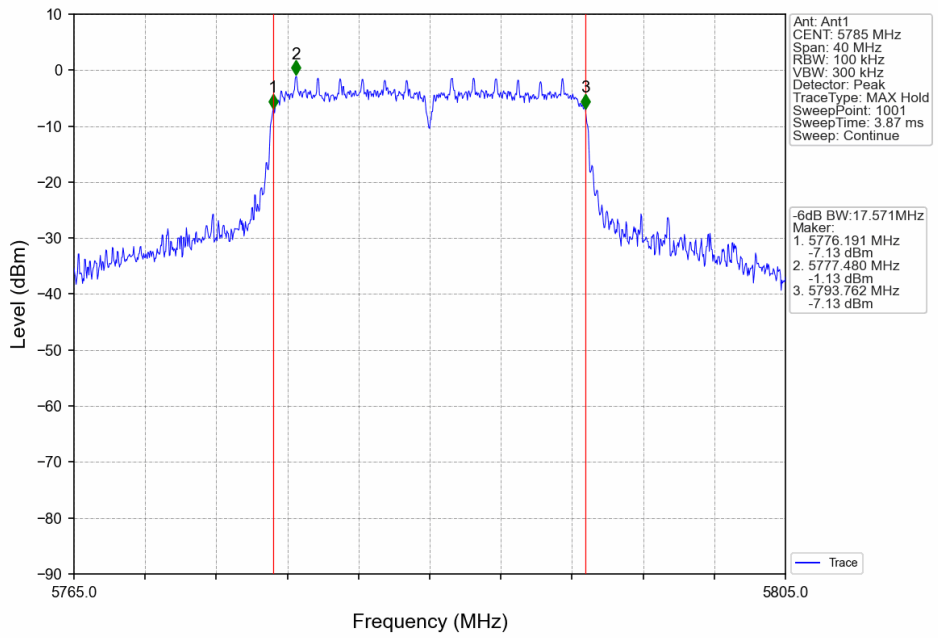
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



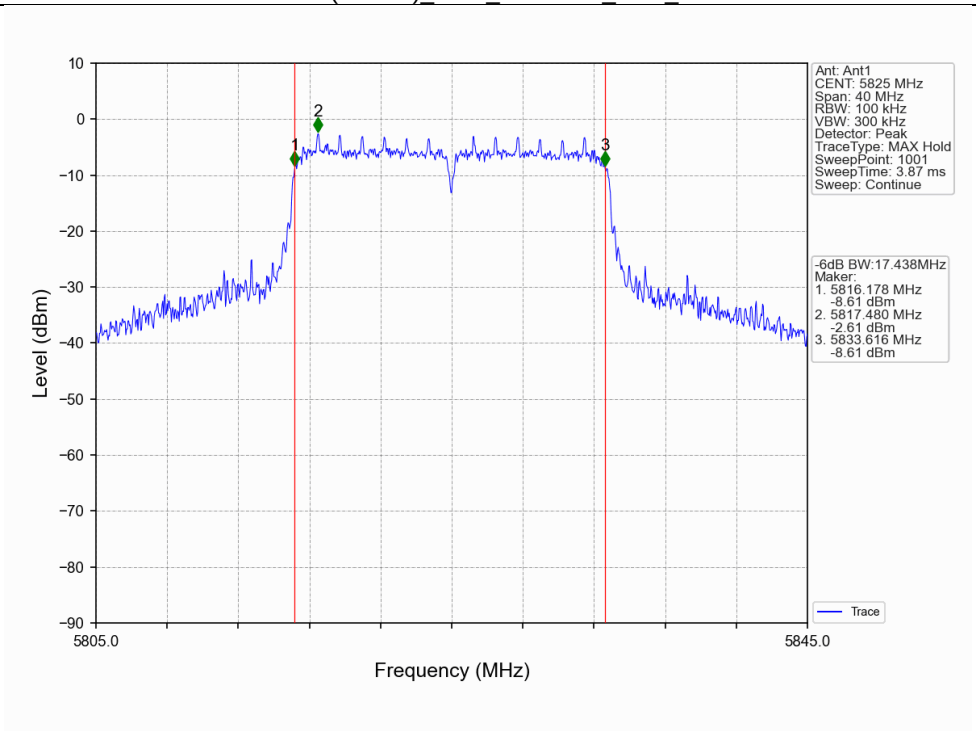
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



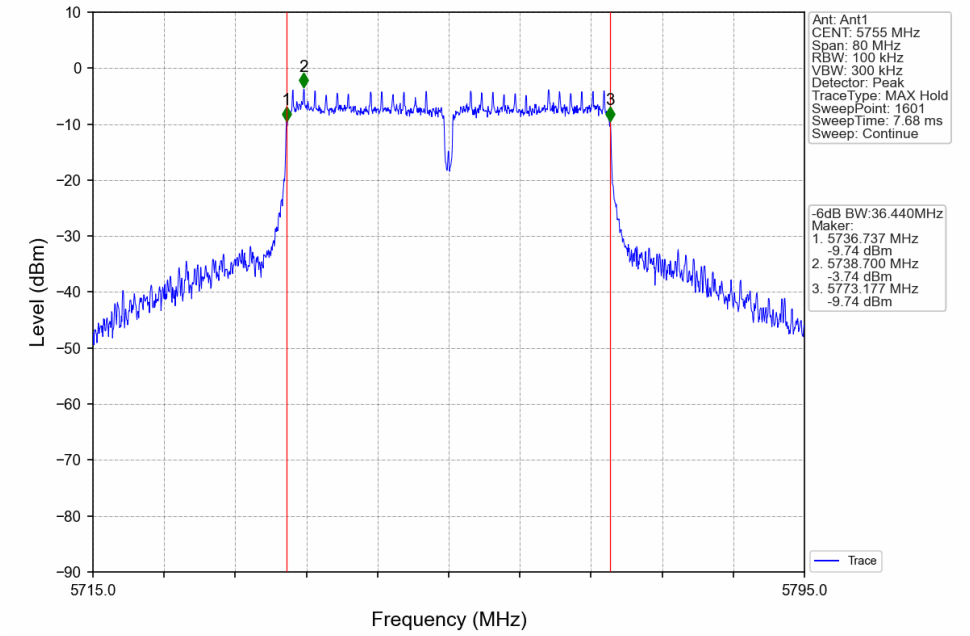
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



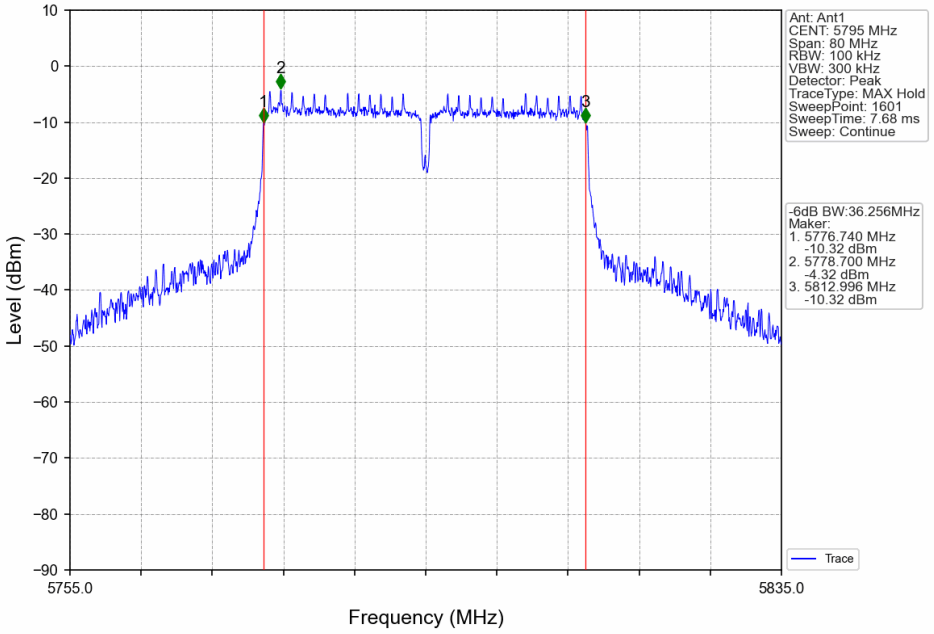
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



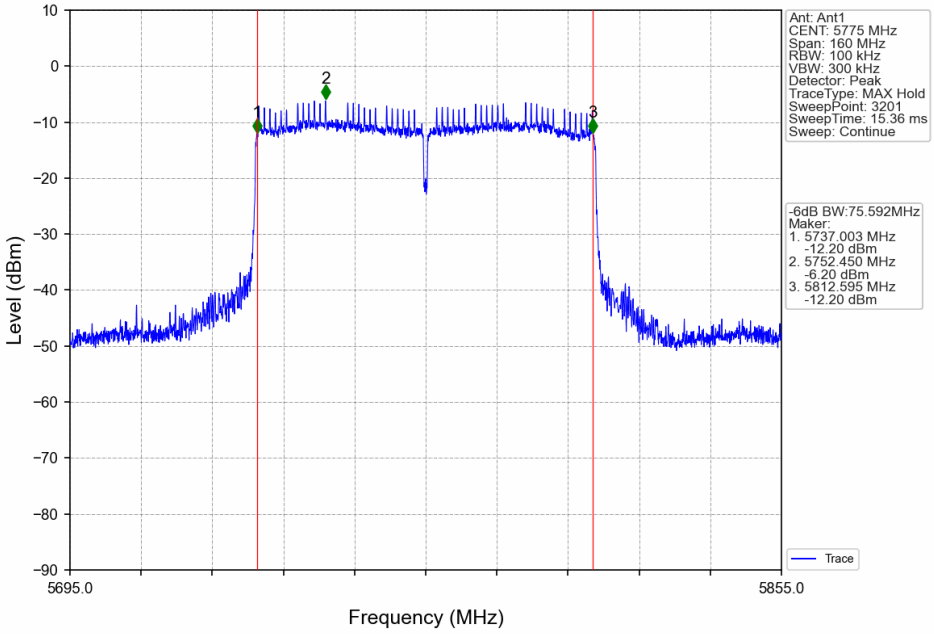
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

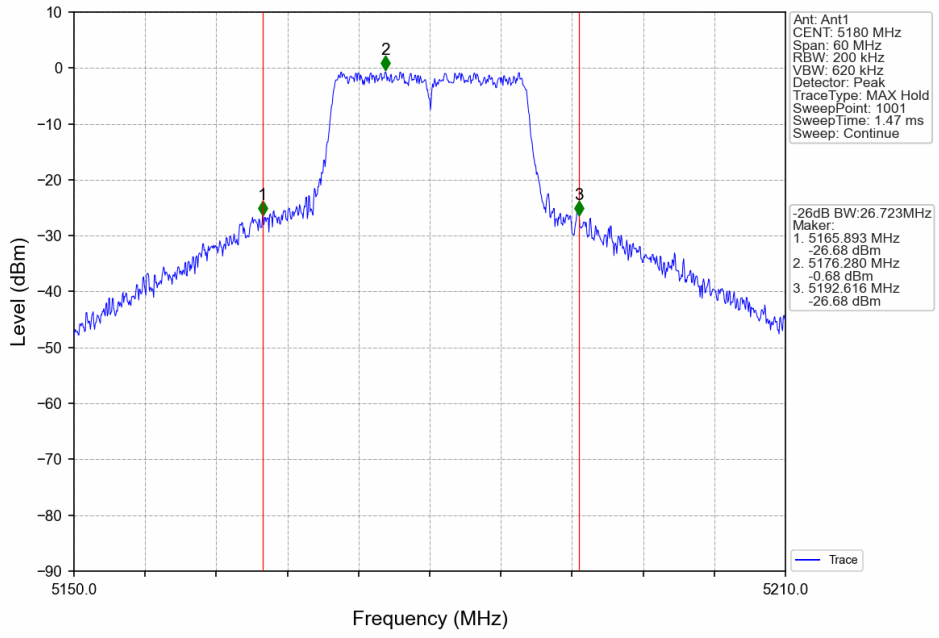


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

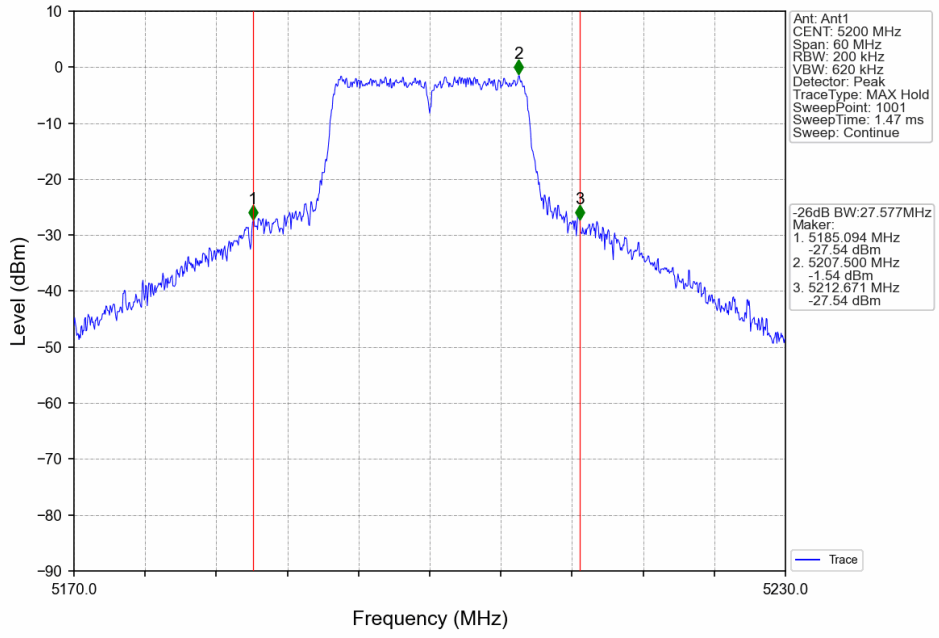


2.2.3 26dB BW

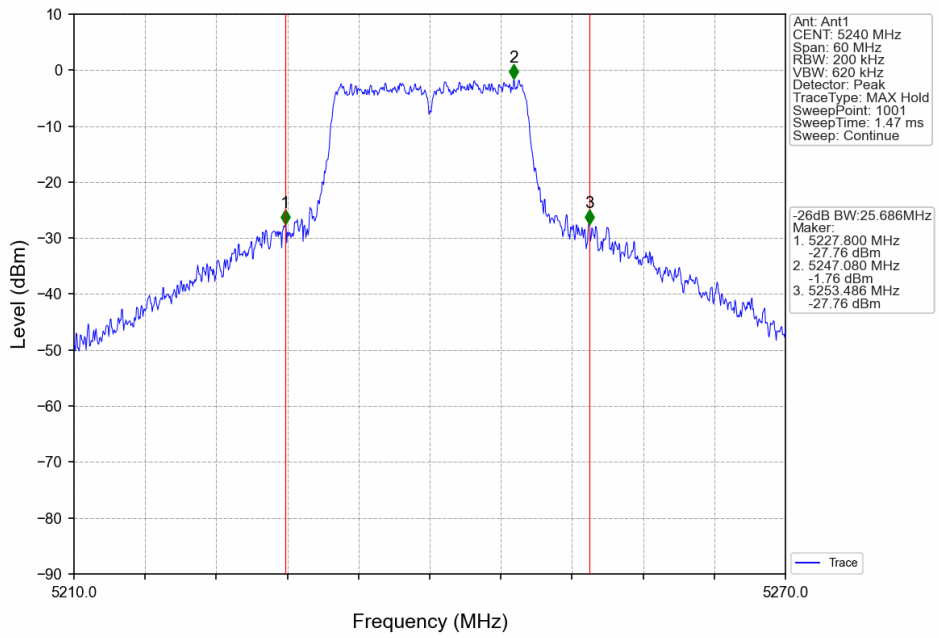
802.11a_LCH_5180MHz_Ant1_NTNV



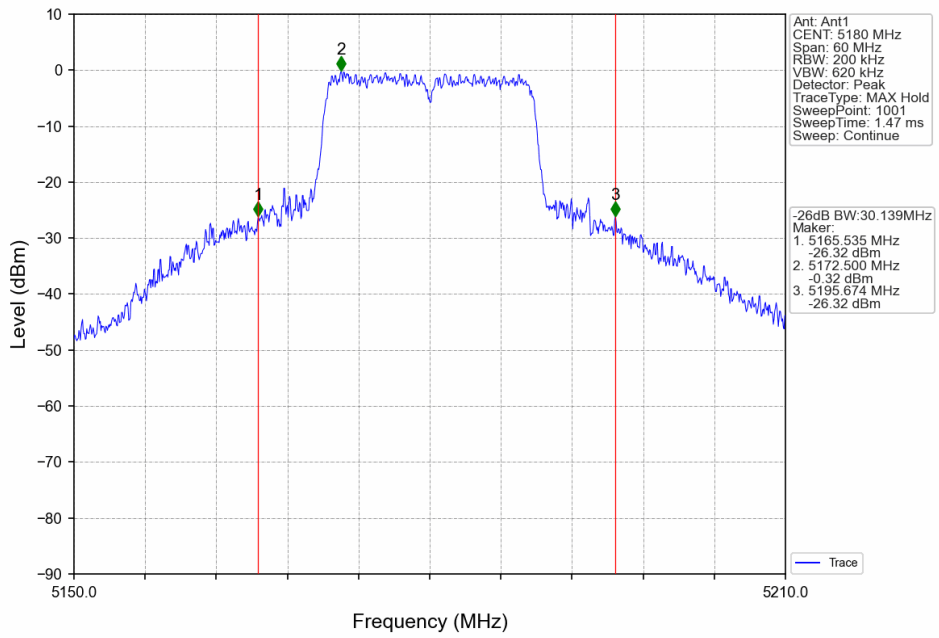
802.11a_MCH_5200MHz_Ant1_NTNV



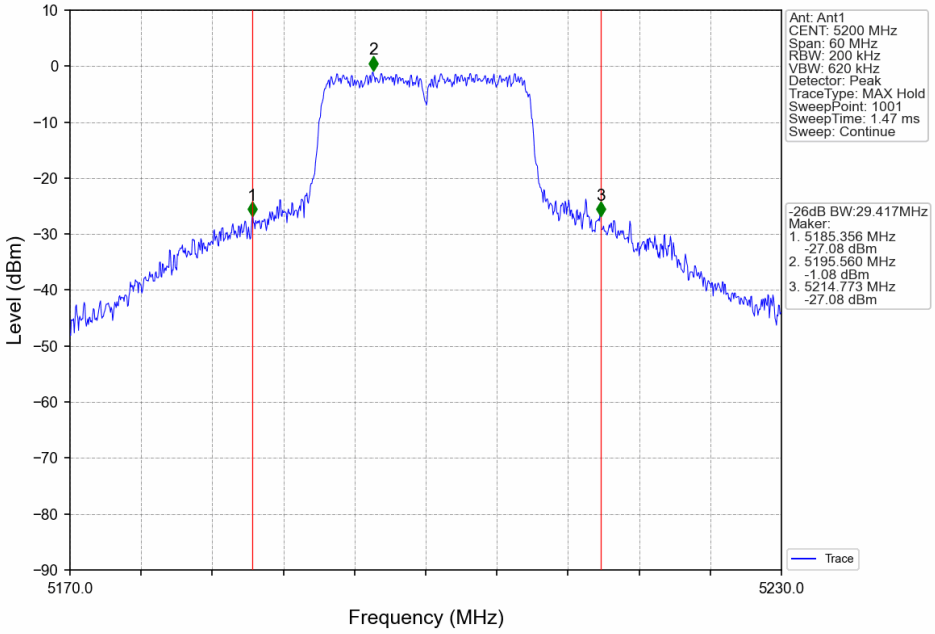
802.11a_HCH_5240MHz_Ant1_NTNV



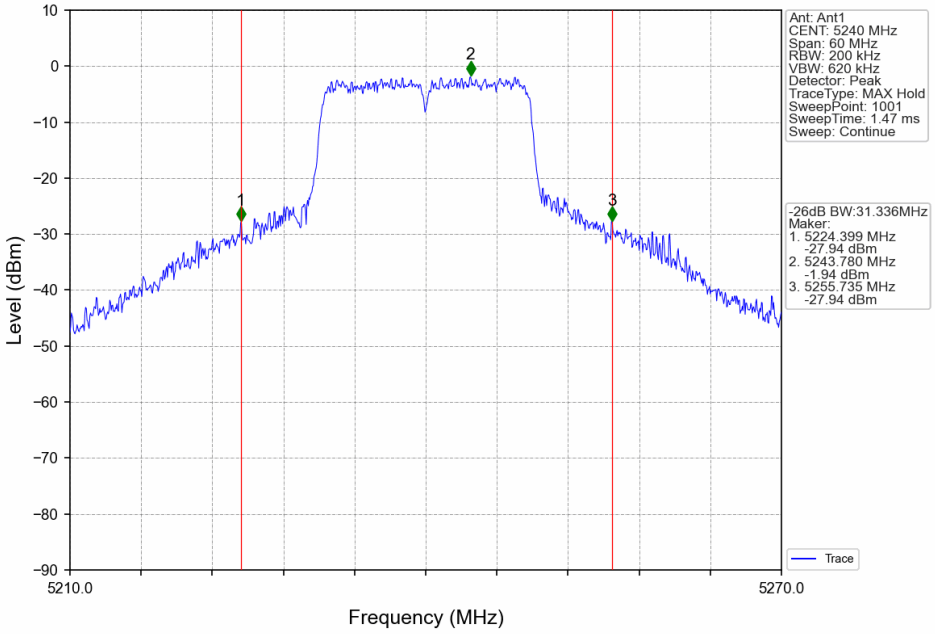
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



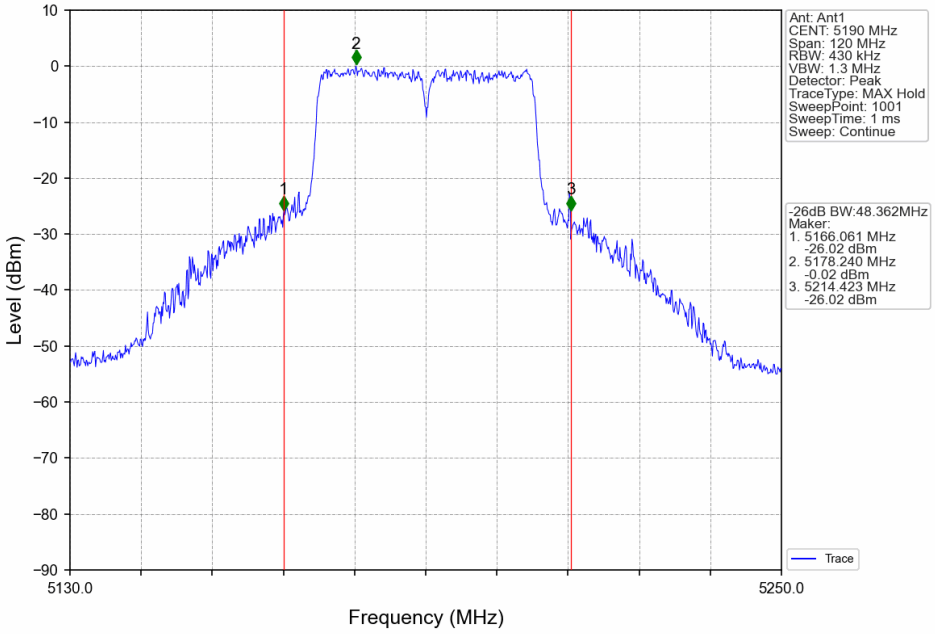
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



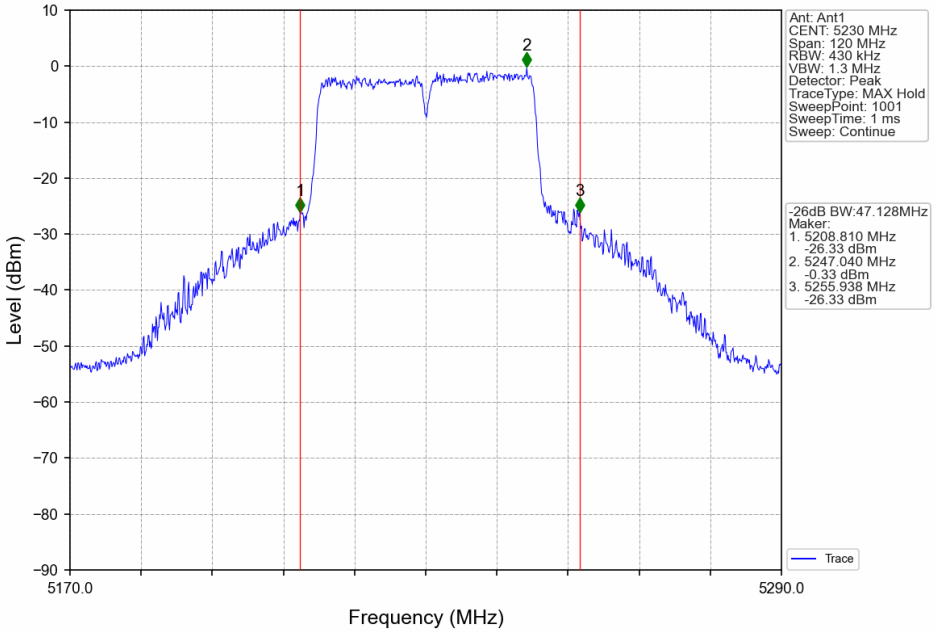
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



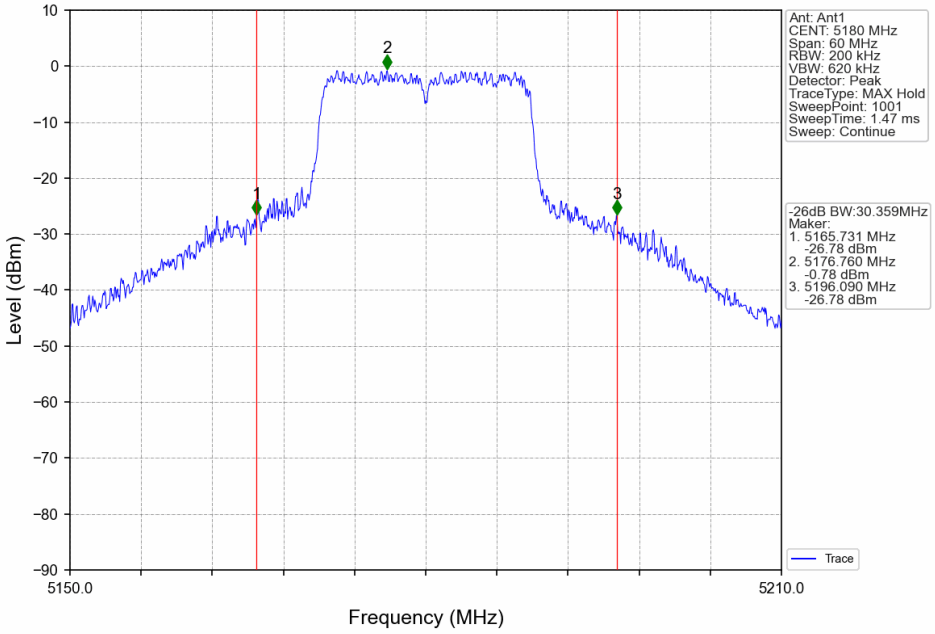
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



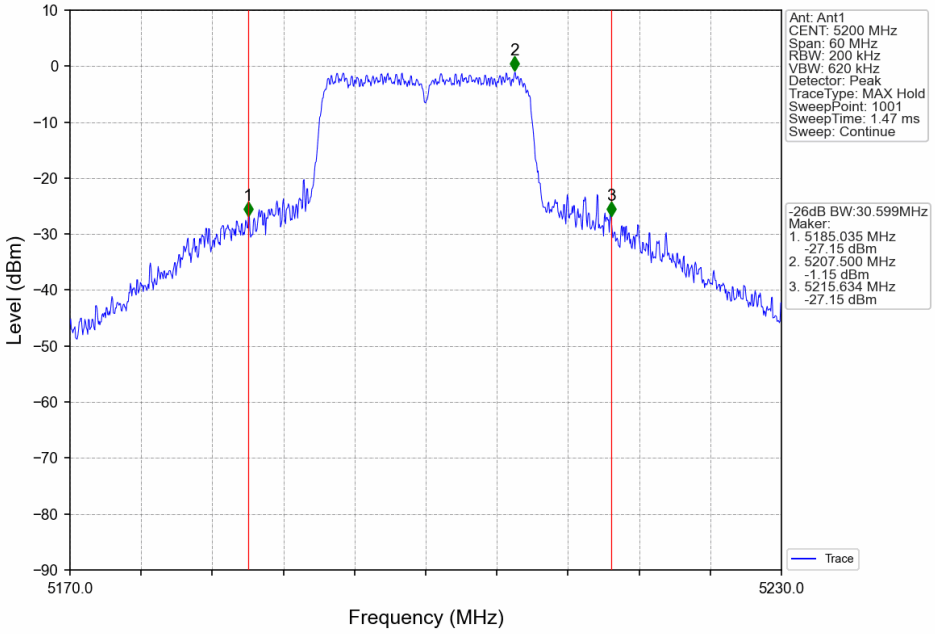
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



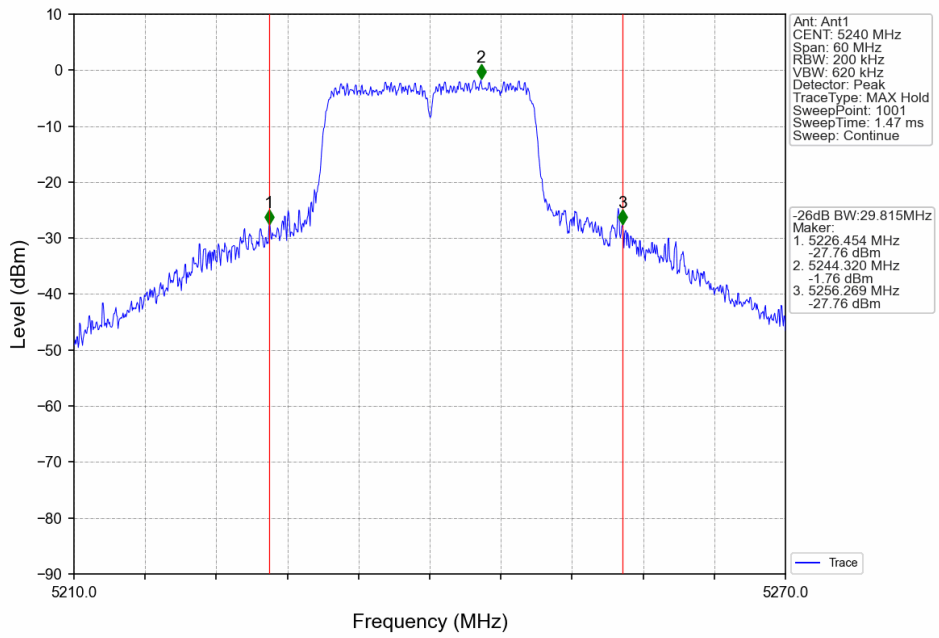
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



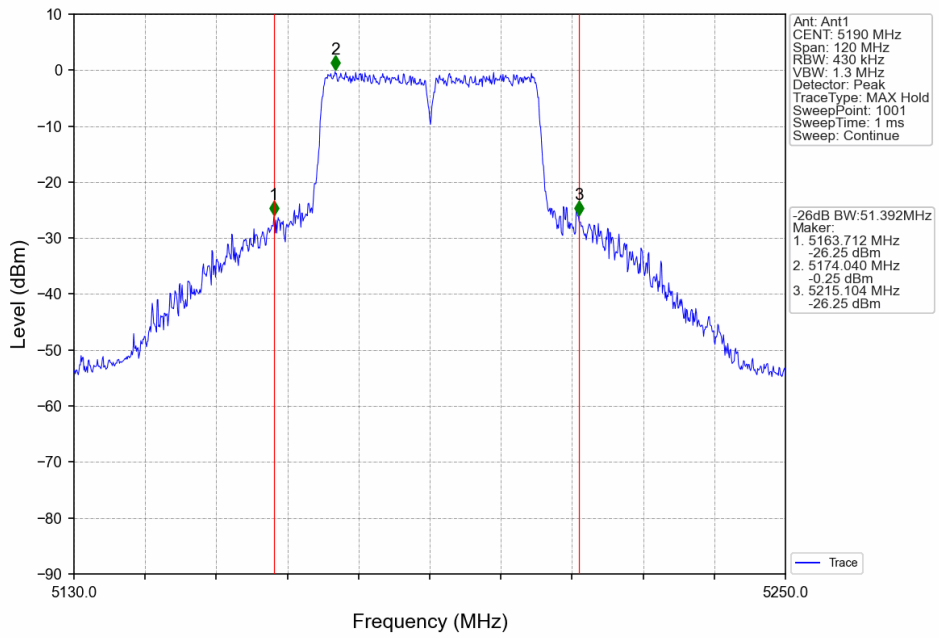
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



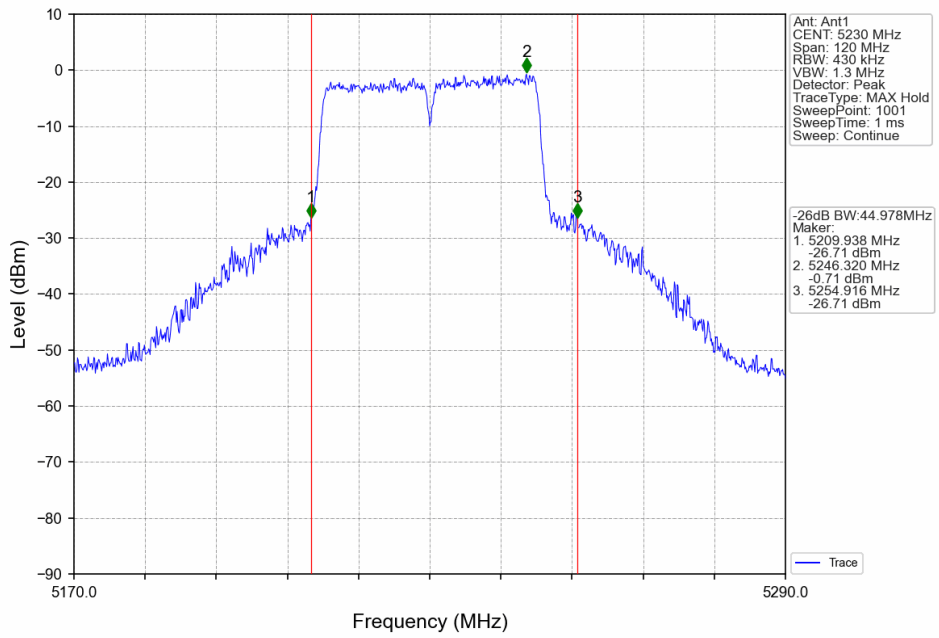
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



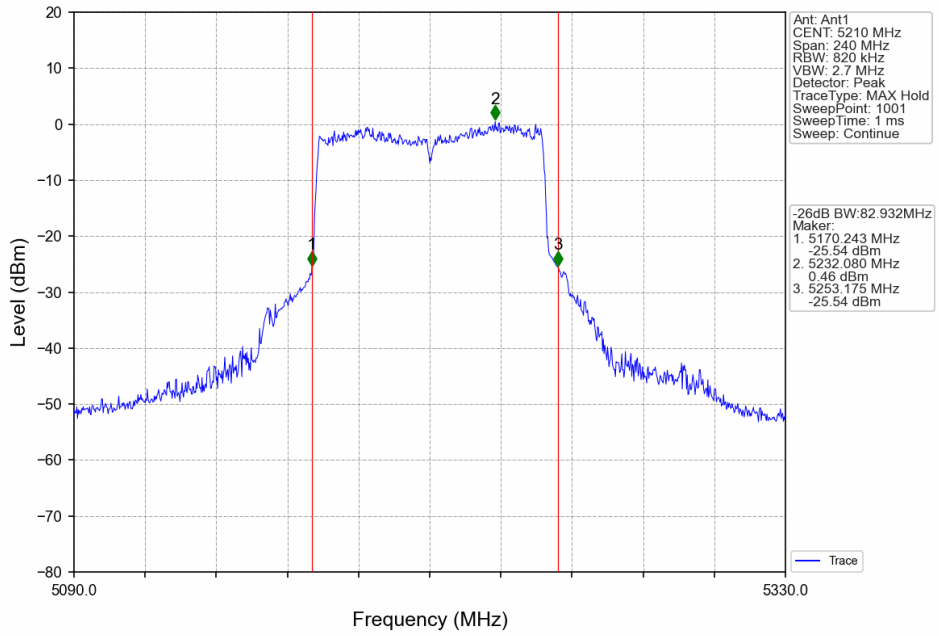
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

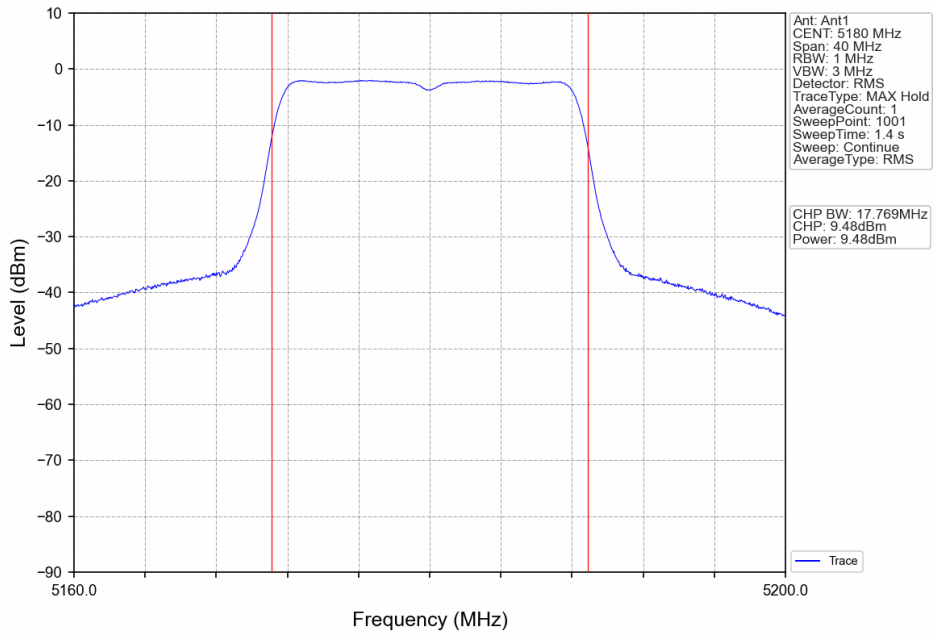
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	9.48	<=23.98	Pass
		5200	8.82	<=23.98	Pass
		5240	8.28	<=23.98	Pass
		5745	10.68	<=30	Pass
		5785	10.18	<=30	Pass
		5825	8.56	<=30	Pass
802.11n (HT20)	SISO	5180	10.02	<=23.98	Pass
		5200	9.36	<=23.98	Pass
		5240	8.71	<=23.98	Pass
		5745	10.91	<=30	Pass
		5785	10.40	<=30	Pass
		5825	8.57	<=30	Pass
802.11n (HT40)	SISO	5190	9.59	<=23.98	Pass
		5230	8.55	<=23.98	Pass
		5755	10.13	<=30	Pass
		5795	9.08	<=30	Pass
802.11ac (VHT20)	SISO	5180	12.56	<=23.98	Pass
		5200	12.29	<=23.98	Pass
		5240	12.25	<=23.98	Pass
		5745	11.69	<=30	Pass
		5785	11.37	<=30	Pass
		5825	9.55	<=30	Pass
802.11ac (VHT40)	SISO	5190	12.69	<=23.98	Pass
		5230	12.19	<=23.98	Pass
		5755	12.02	<=30	Pass
		5795	11.53	<=30	Pass
802.11ac (VHT80)	SISO	5210	12.47	<=23.98	Pass
		5775	11.74	<=30	Pass
Note1: Antenna Gain: Ant1: -2.97dBi;					

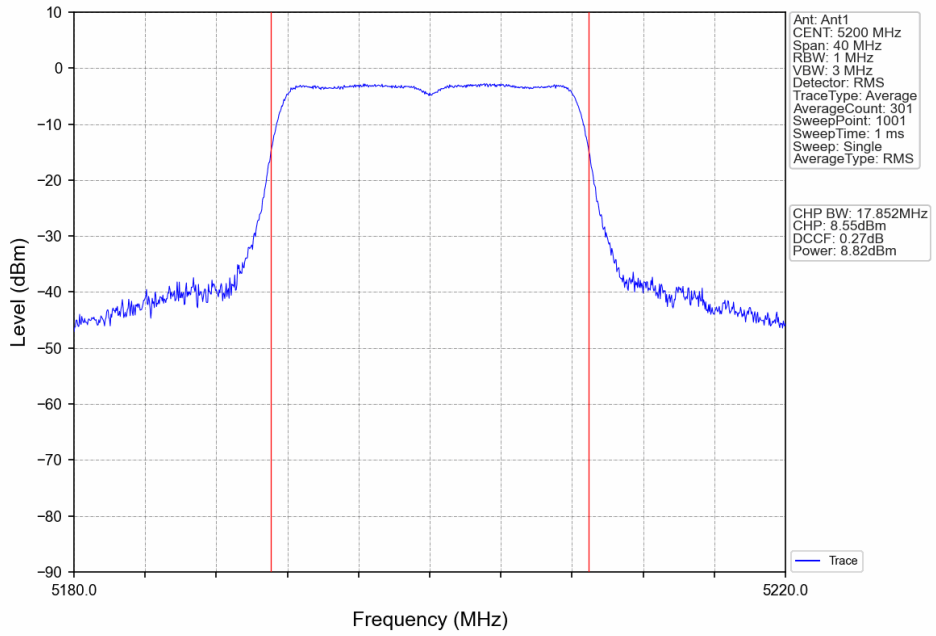
3.2 Test Graph

3.2.1 Power

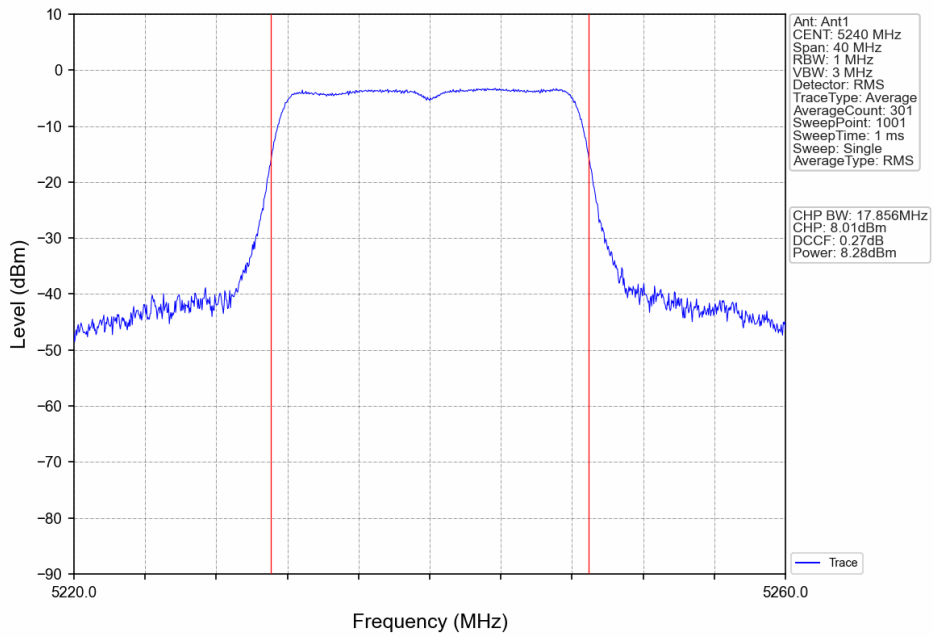
802.11a_LCH_5180MHz_Ant1_NTNV



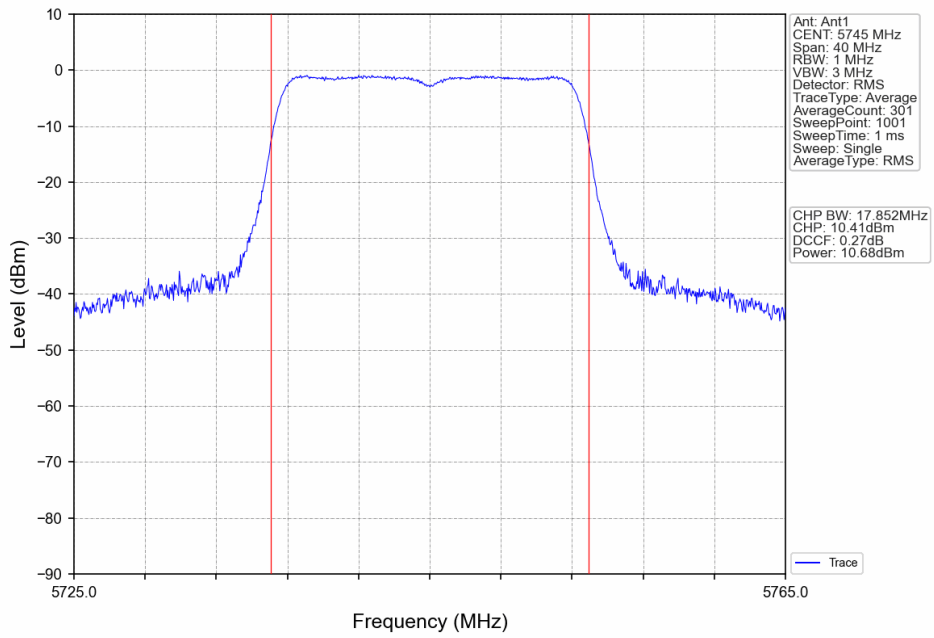
802.11a_MCH_5200MHz_Ant1_NTNV



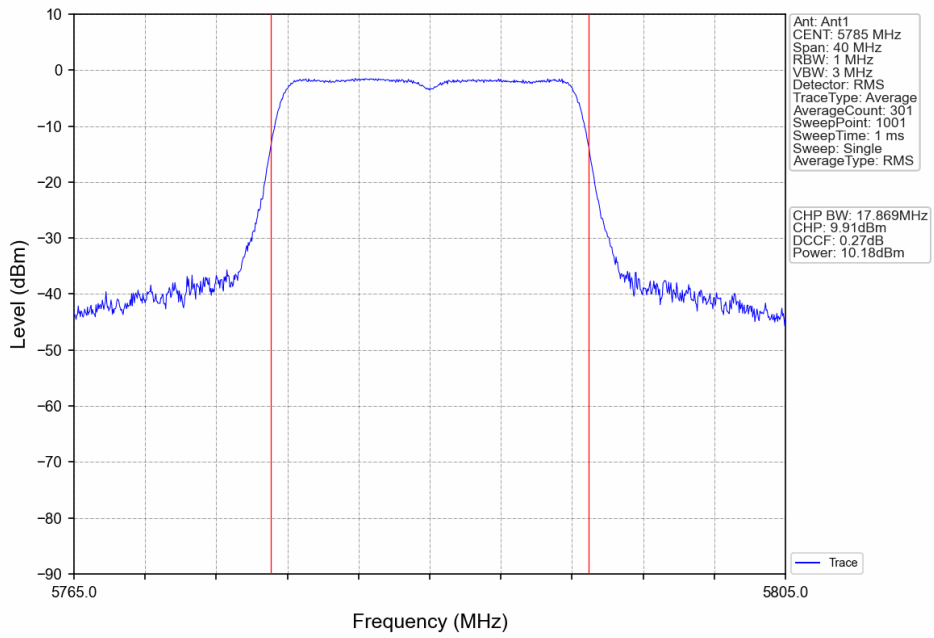
802.11a_HCH_5240MHz_Ant1_NTNV



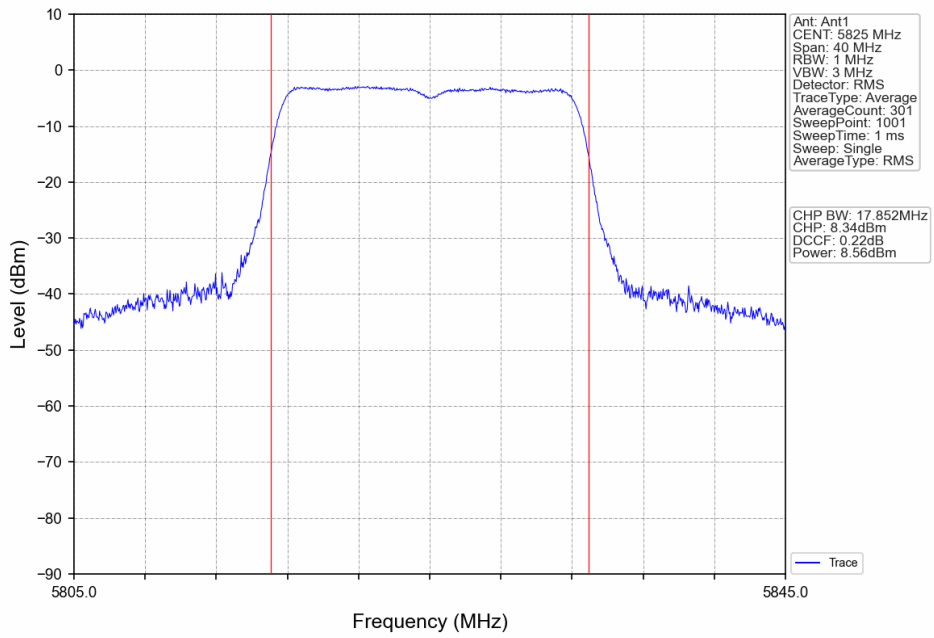
802.11a_LCH_5745MHz_Ant1_NTNV



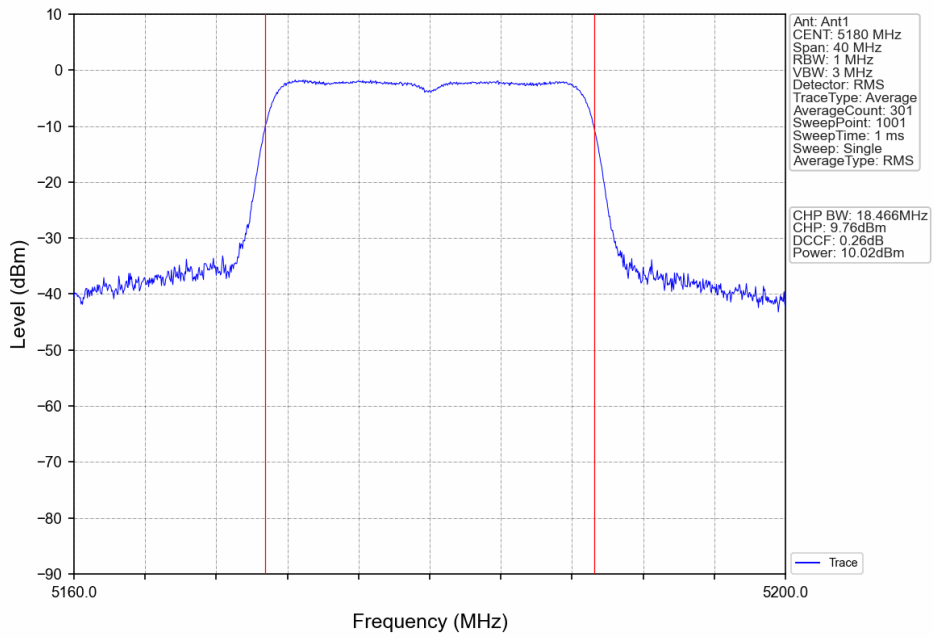
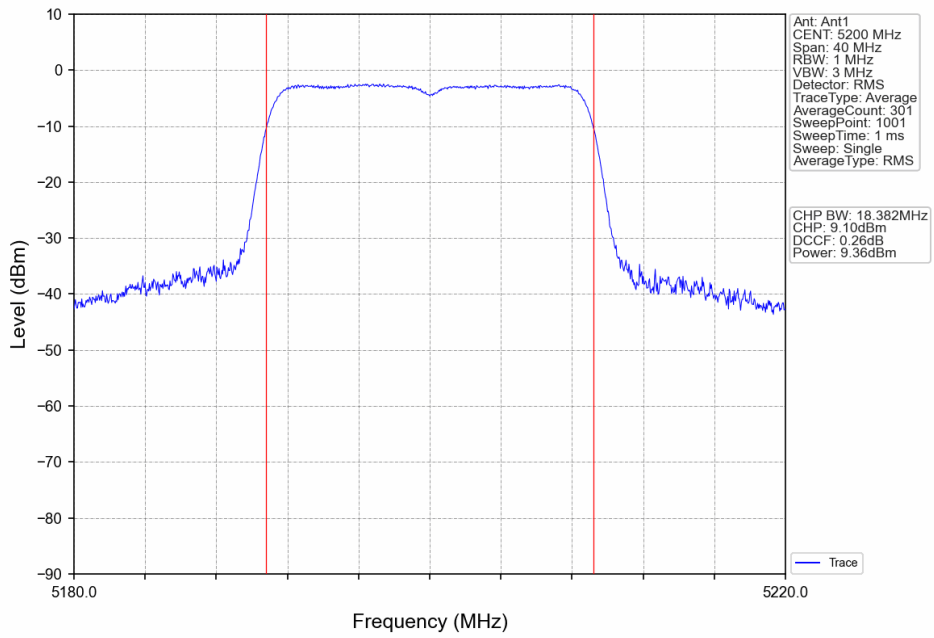
802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV