

## 1. Duty Cycle

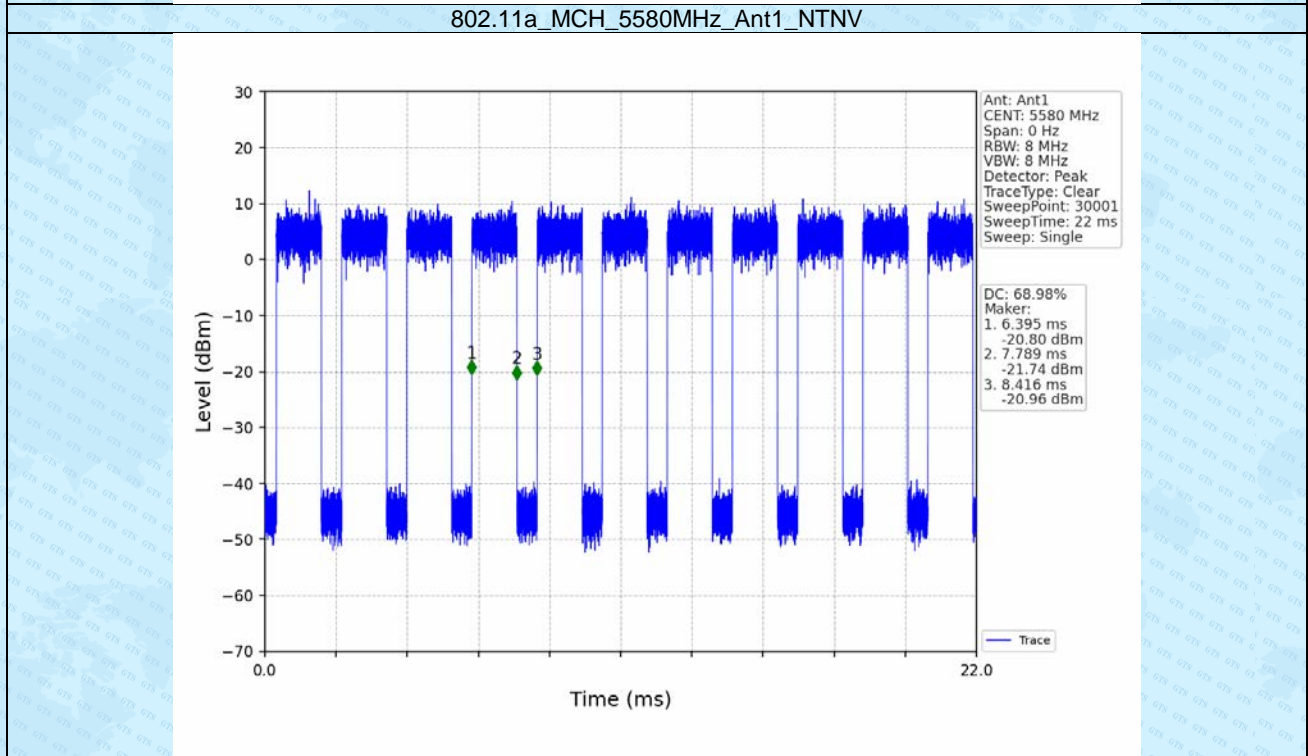
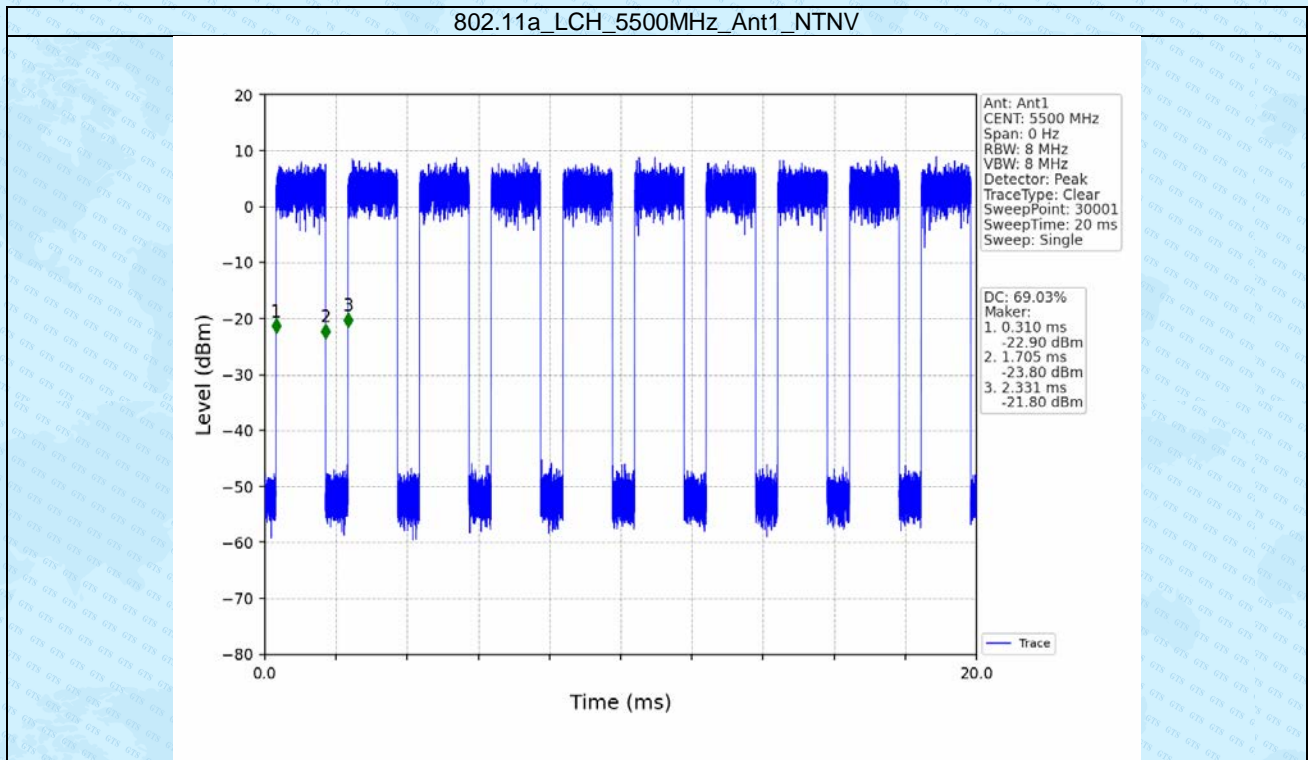
### 1.1 Ant1

#### 1.1.1 Test Result

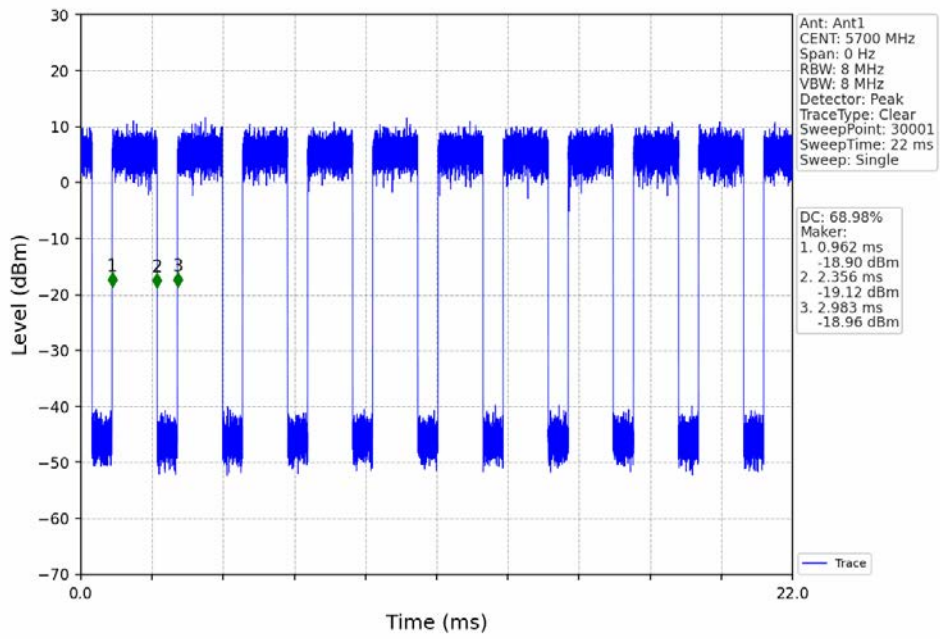
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant1			Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
					T_on (ms)	Period (ms)	Duty Cycle (%)		
802.11a	SISO	5500	/	/	1.395	2.021	69.03	1.61	0.32
		5580	/	/	1.394	2.021	68.98	1.61	0.34
		5700	/	/	1.394	2.021	68.98	1.61	0.34
802.11n (HT20)	MIMO	5500	/	/	1.291	1.944	66.41	1.78	0.92
		5580	/	/	1.291	1.944	66.41	1.78	0.92
		5700	/	/	1.291	1.954	66.07	1.80	1.26
802.11n (HT40)	MIMO	5510	/	/	0.638	1.283	49.73	3.03	1.10
		5550	/	/	0.638	1.283	49.73	3.03	1.06
		5670	/	/	0.638	1.283	49.73	3.03	1.06
802.11ac (VHT20)	MIMO	5500	/	/	1.314	1.959	67.08	1.73	0.36
		5580	/	/	1.314	1.959	67.08	1.73	0.33
		5700	/	/	1.314	1.959	67.08	1.73	0.33
802.11ac (VHT40)	MIMO	5510	/	/	0.654	1.290	50.70	2.95	0.39
		5550	/	/	0.654	1.290	50.70	2.95	0.39
		5670	/	/	0.653	1.290	50.62	2.96	0.38
802.11ac (VHT80)	MIMO	5530	/	/	0.325	0.953	34.10	4.67	0.35
		5610	/	/	0.326	0.953	34.21	4.66	14.84
802.11ax (HEW20)	MIMO	5500	RU242	Left	0.153	0.188	81.38	0.89	0.06
		5580	RU242	Left	0.153	0.188	81.38	0.89	0.04
		5700	RU242	Left	0.154	0.188	81.91	0.87	0.10
802.11ax (HEW40)	MIMO	5510	RU484	Left	0.053	0.072	73.61	1.33	0.20
		5550	RU484	Left	0.054	0.072	75.00	1.25	0.35
		5670	RU484	Left	0.054	0.072	75.00	1.25	0.34
802.11ax (HEW80)	MIMO	5530	RU996	Left	0.041	0.059	69.49	1.58	0.38
		5610	RU996	Left	0.041	0.059	69.49	1.58	0.36

Note: The duty cycle for two antennas were same, so only ant1 report

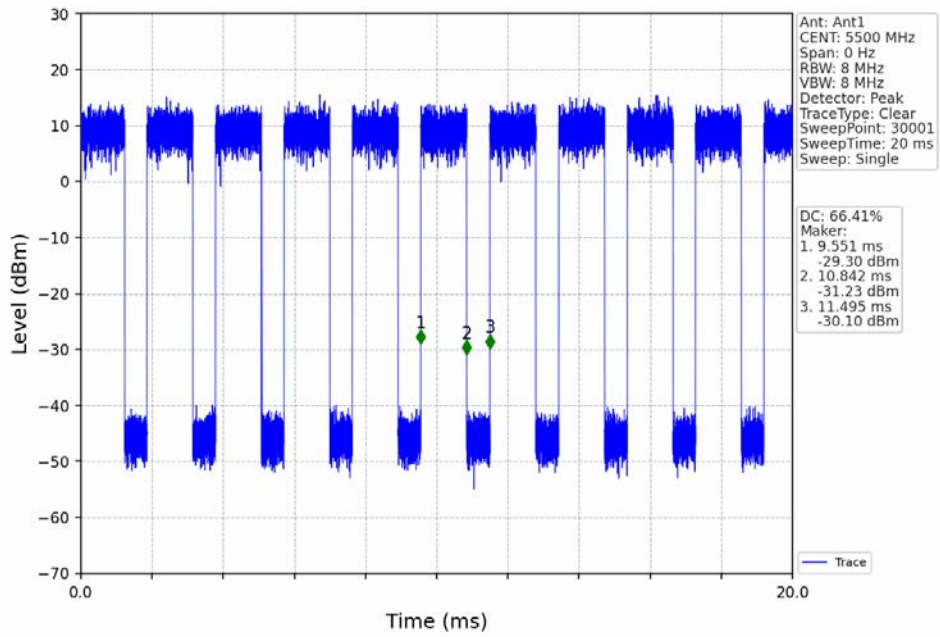
## 1.1.2 Test Graph



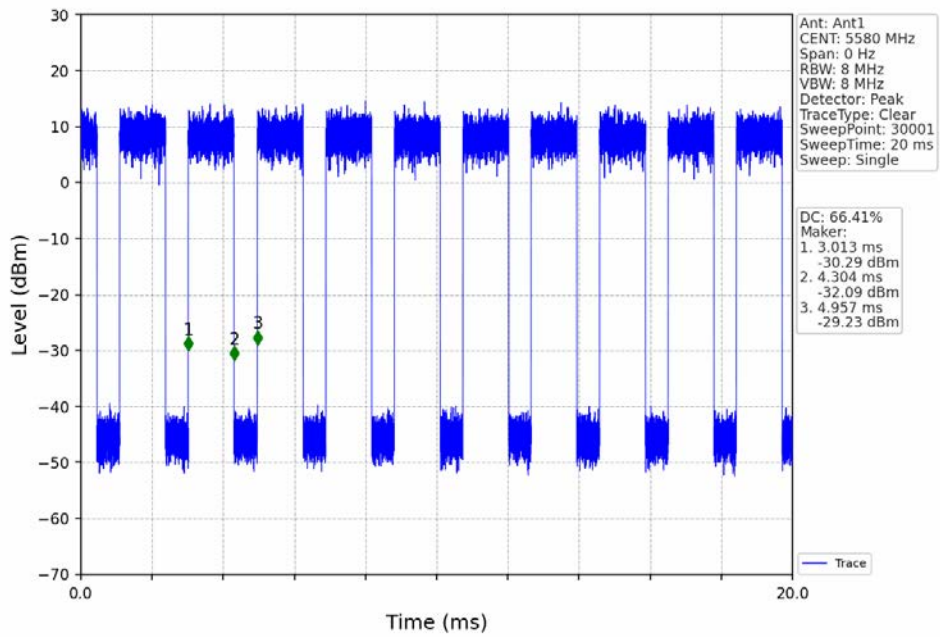
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



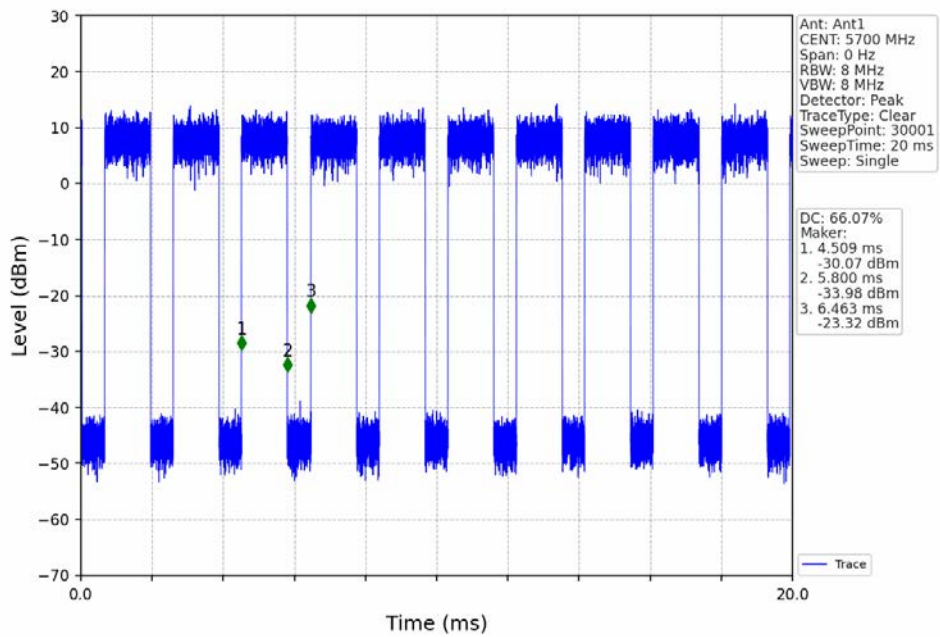
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



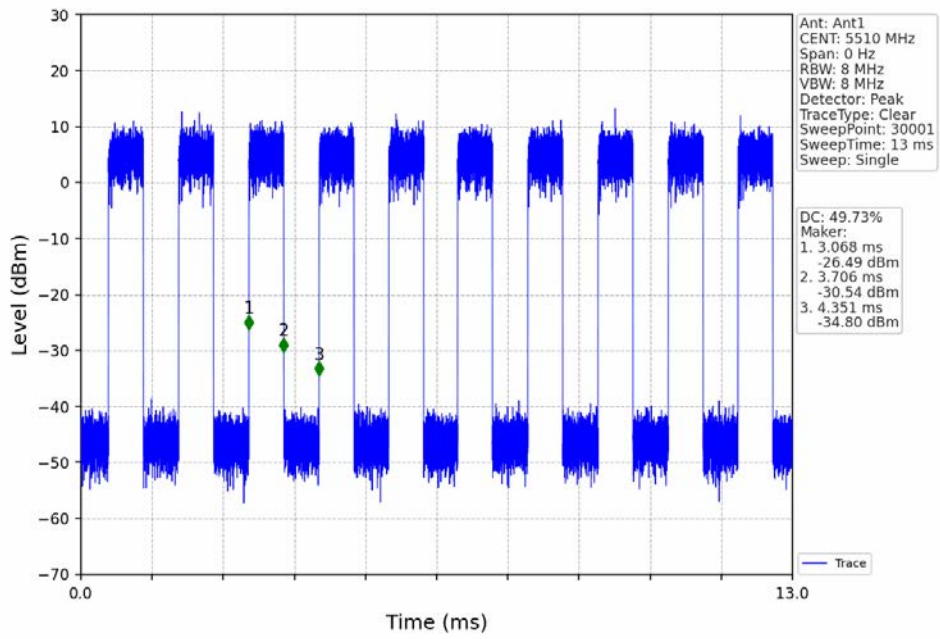
### 802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



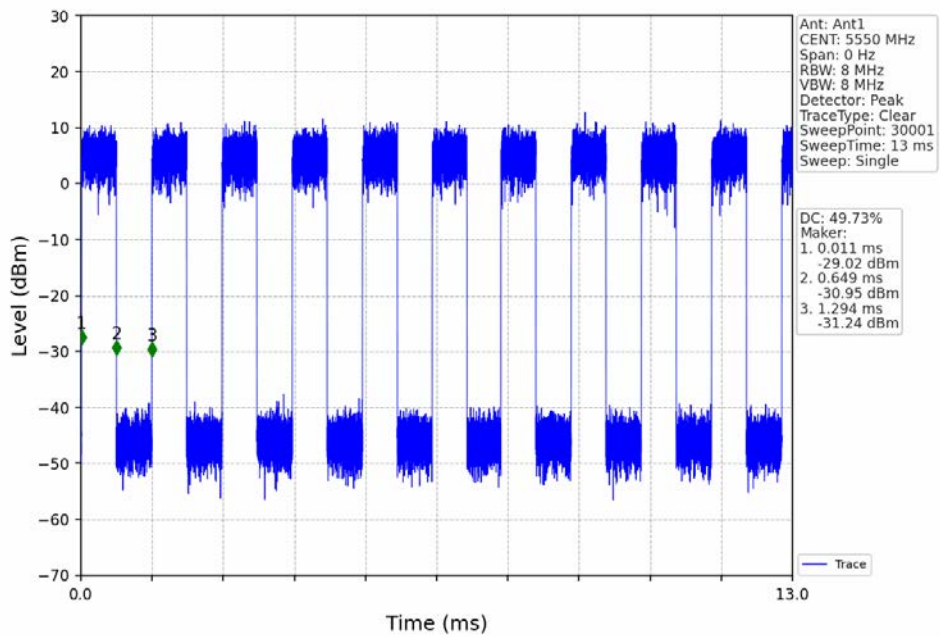
### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



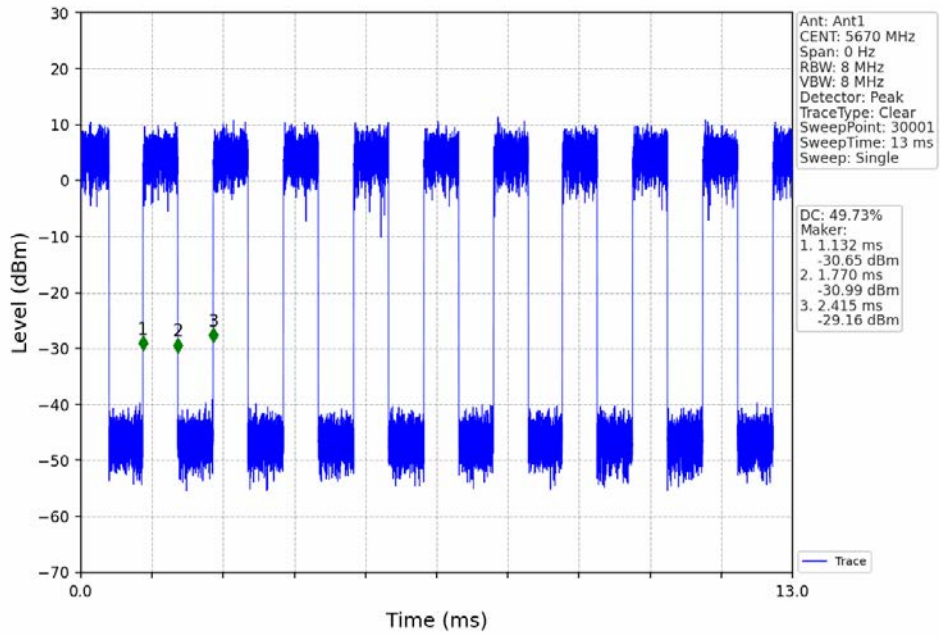
802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



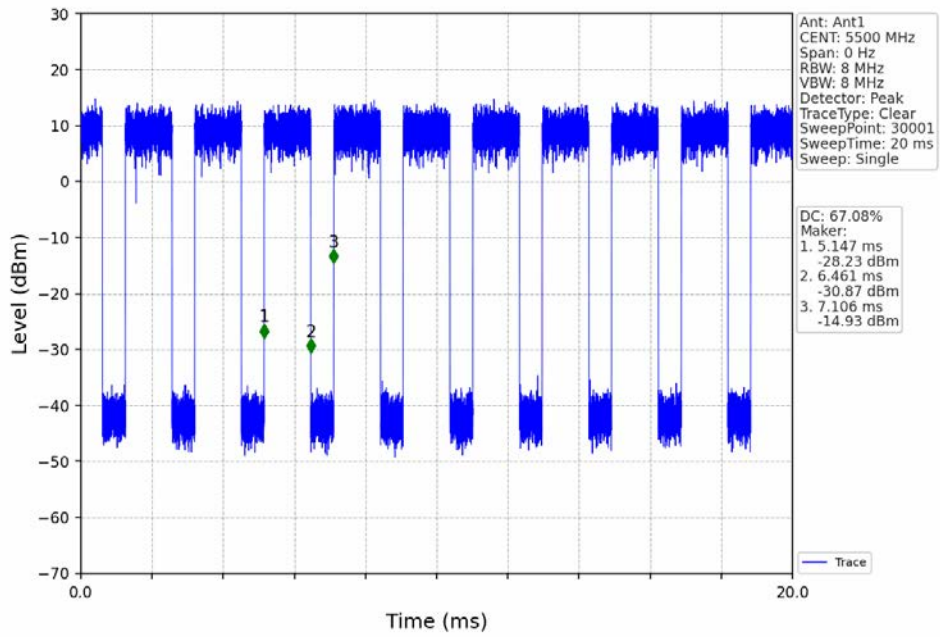
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



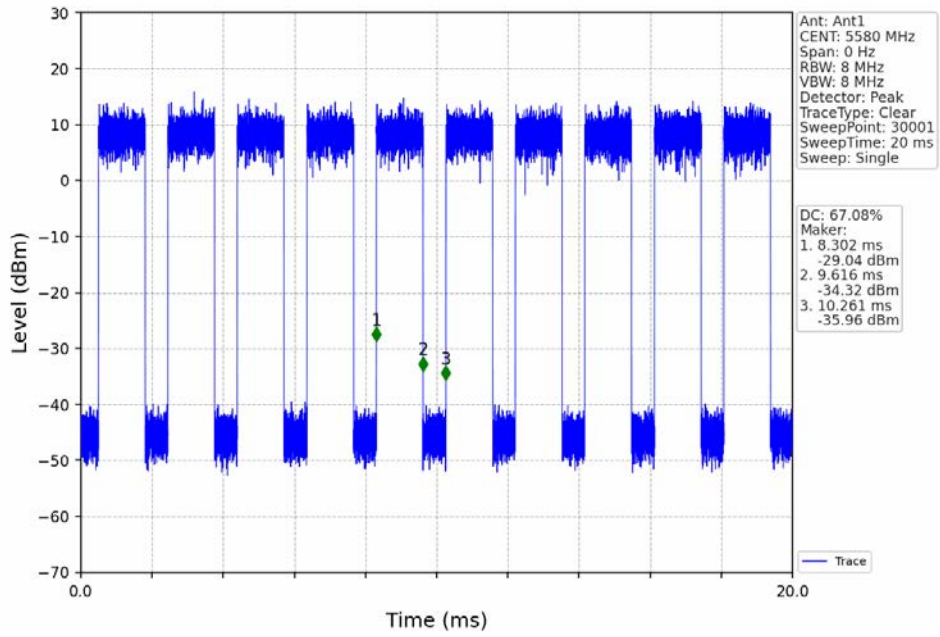
### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



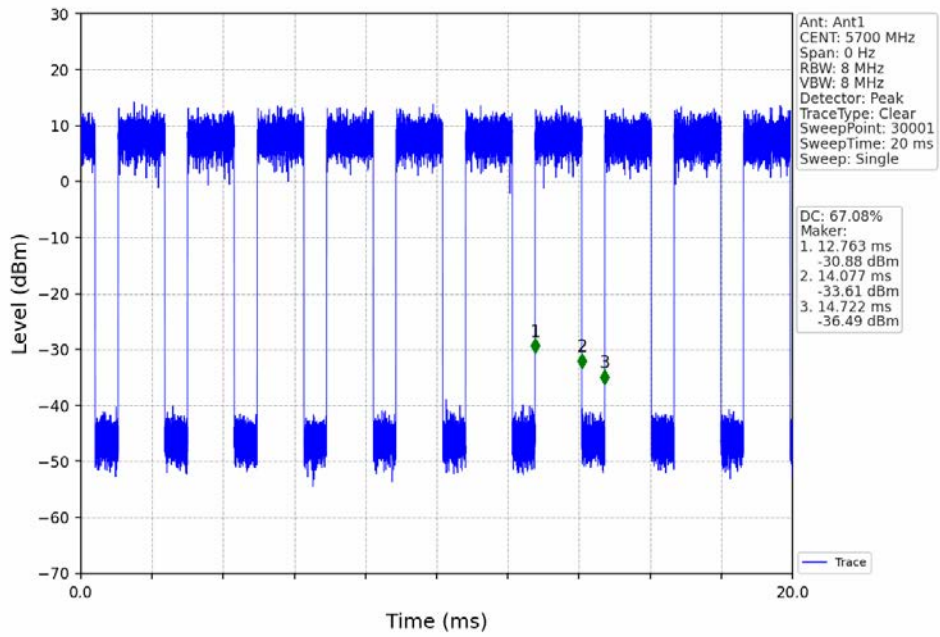
### 802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



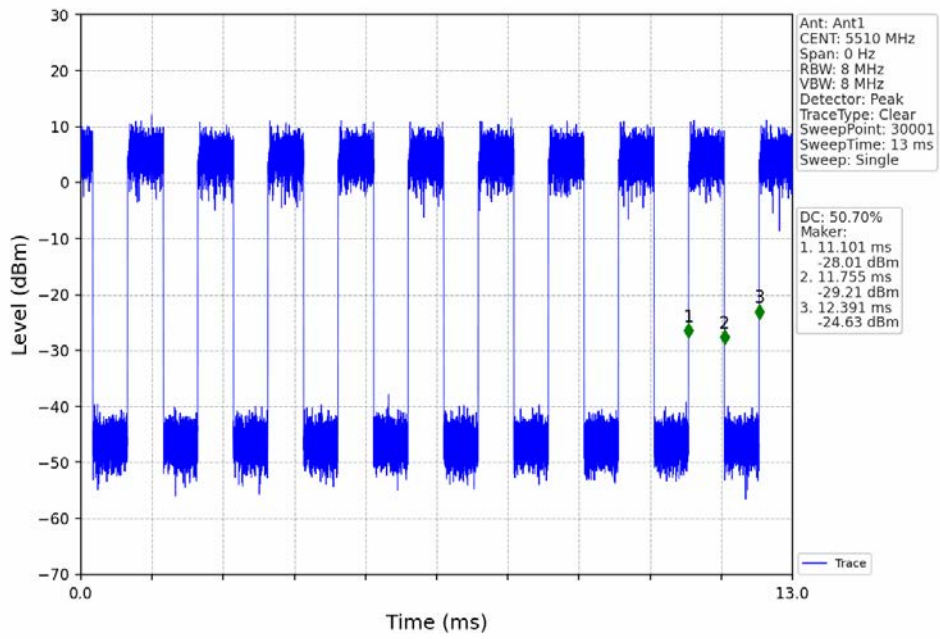
802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



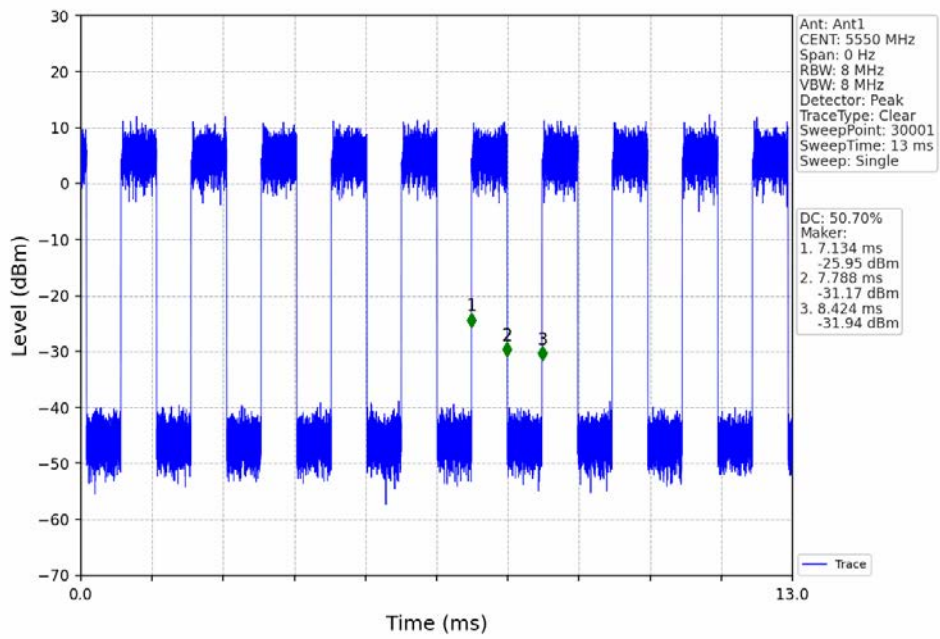
802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV

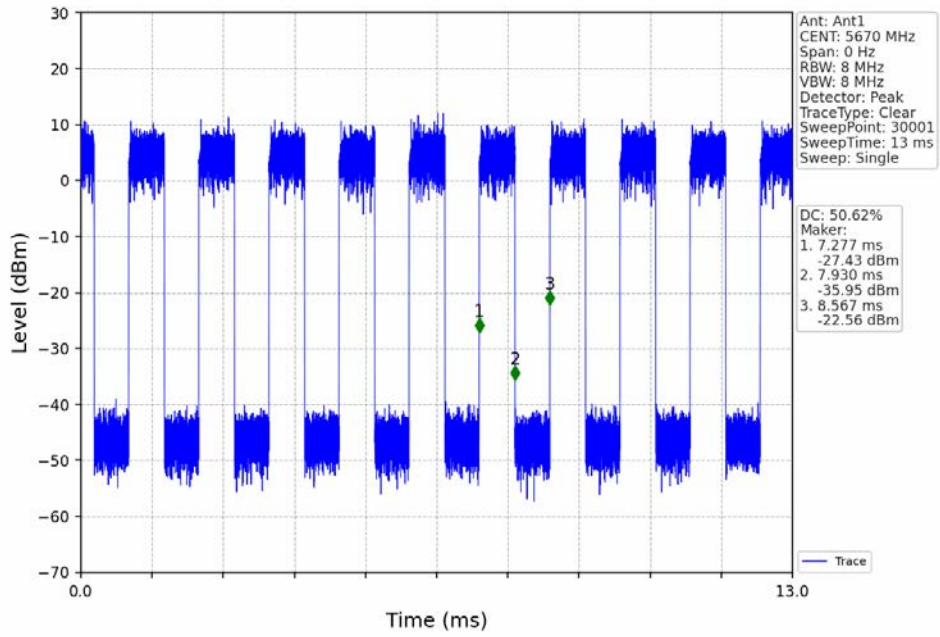


802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV

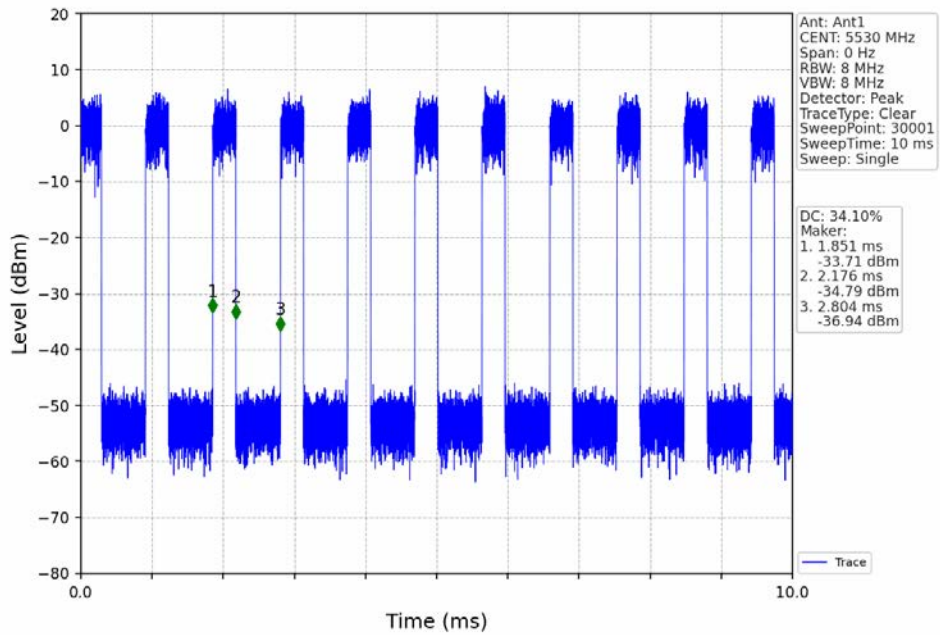




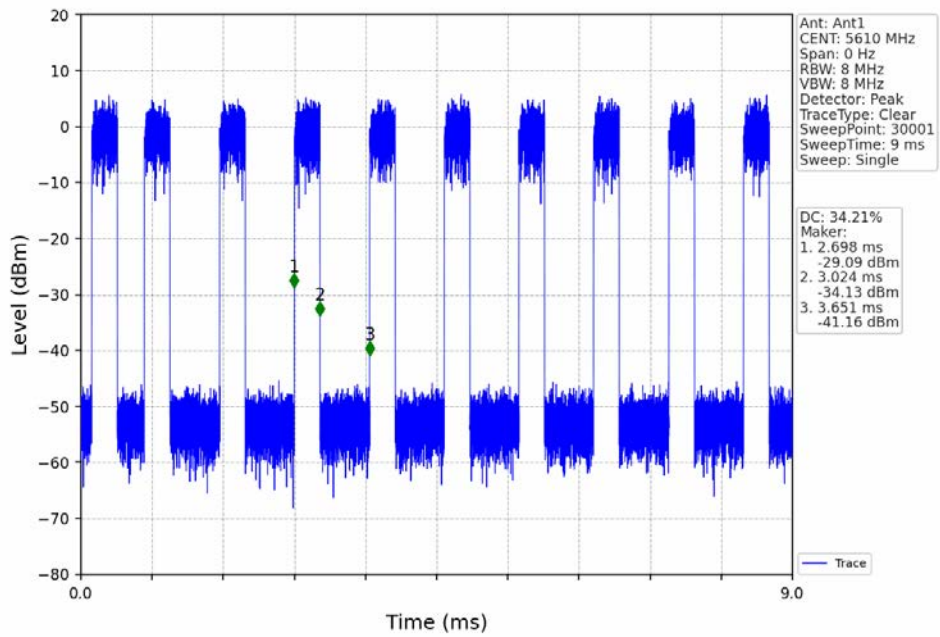
### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



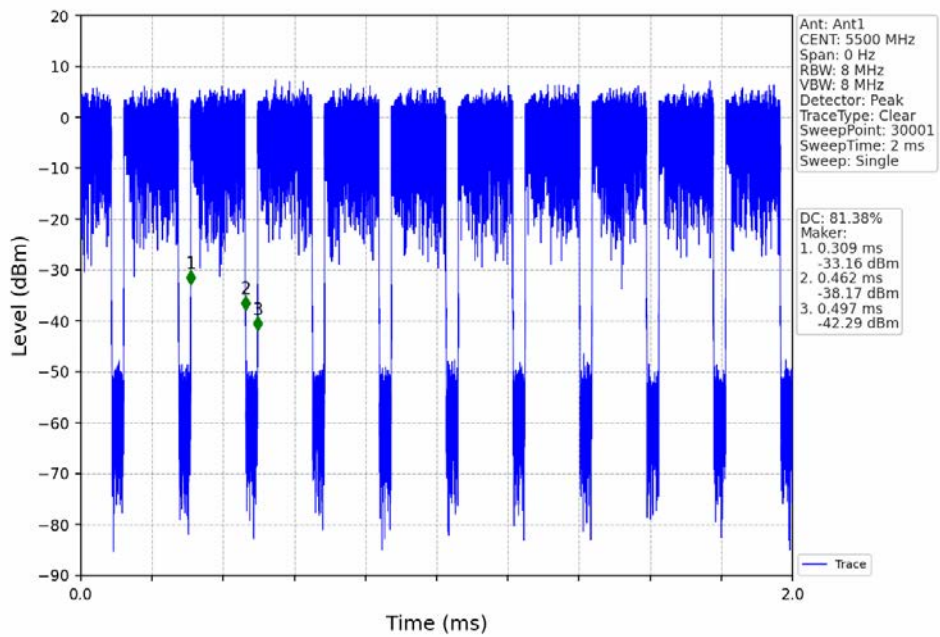
### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



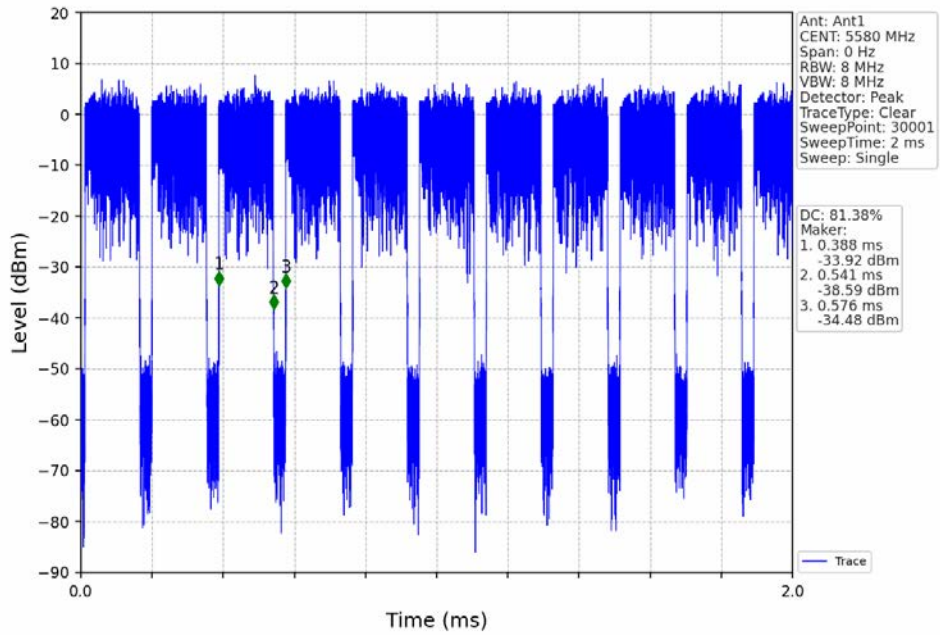
### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



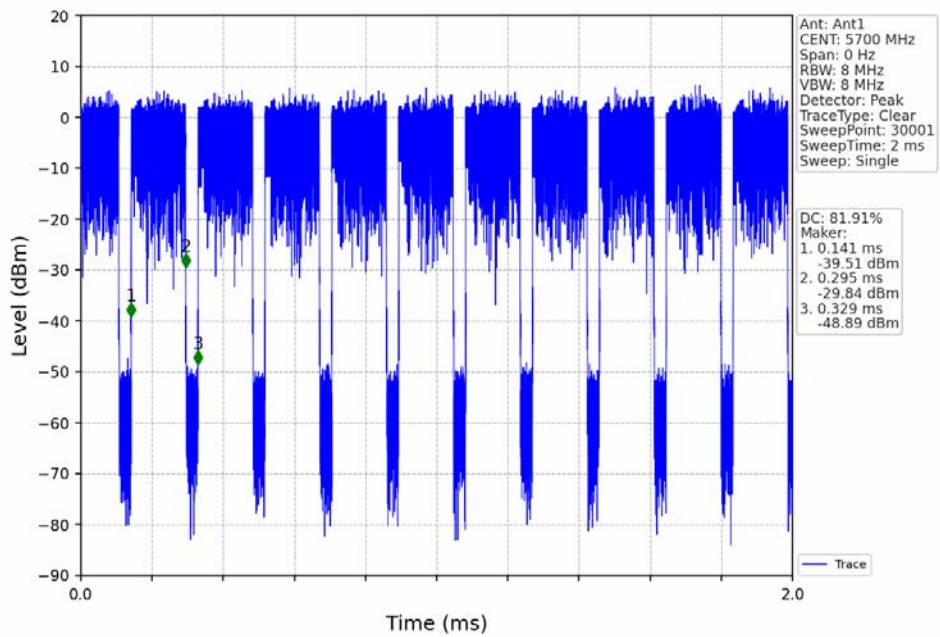
### 802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



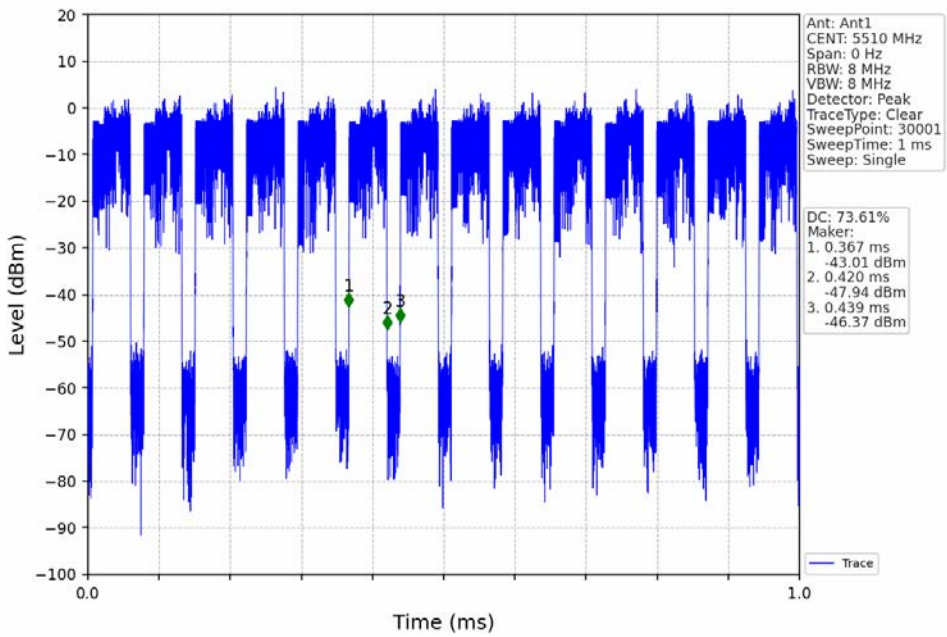
802.11ax(HEW20)\_MCH\_5580MHz\_RU242\_Left\_Ant1\_NTNV



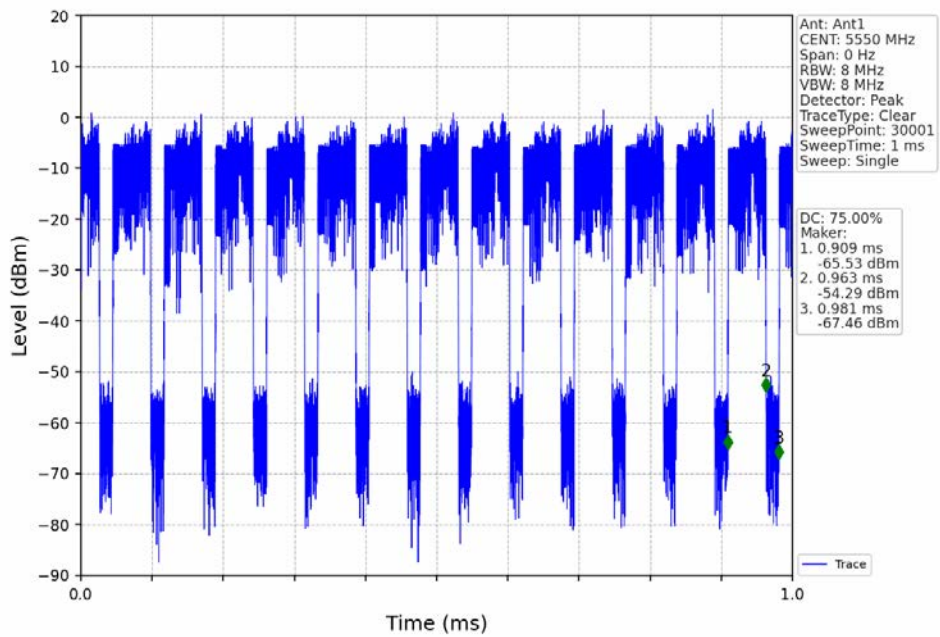
802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV



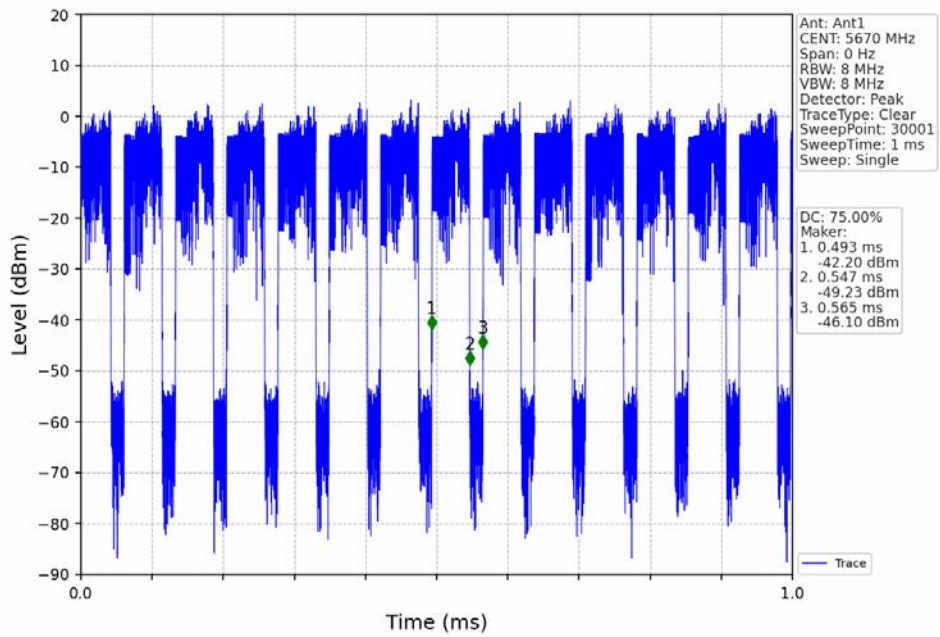
802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



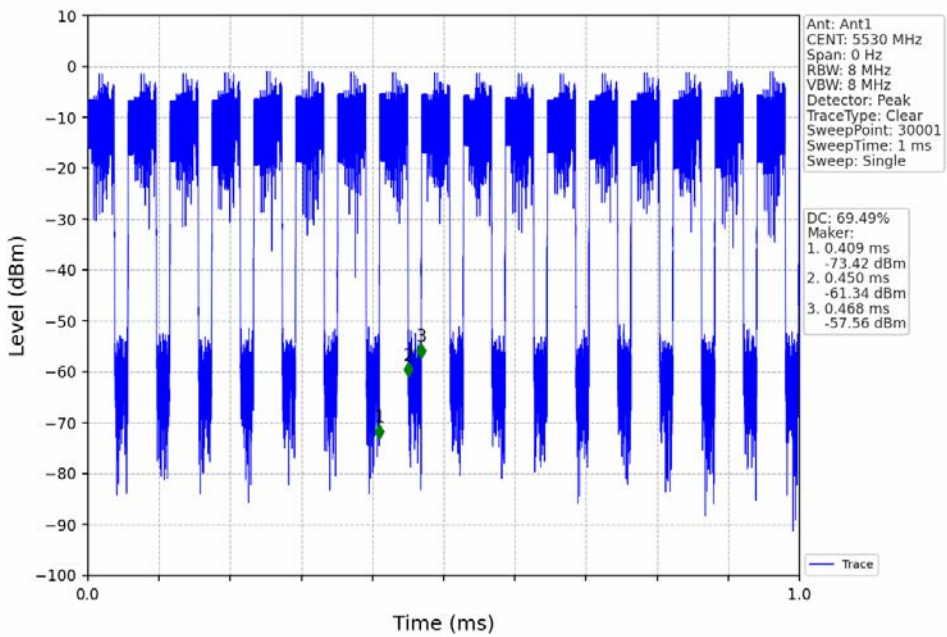
802.11ax(HEW40)\_MCH\_5550MHz\_RU484\_Left\_Ant1\_NTNV



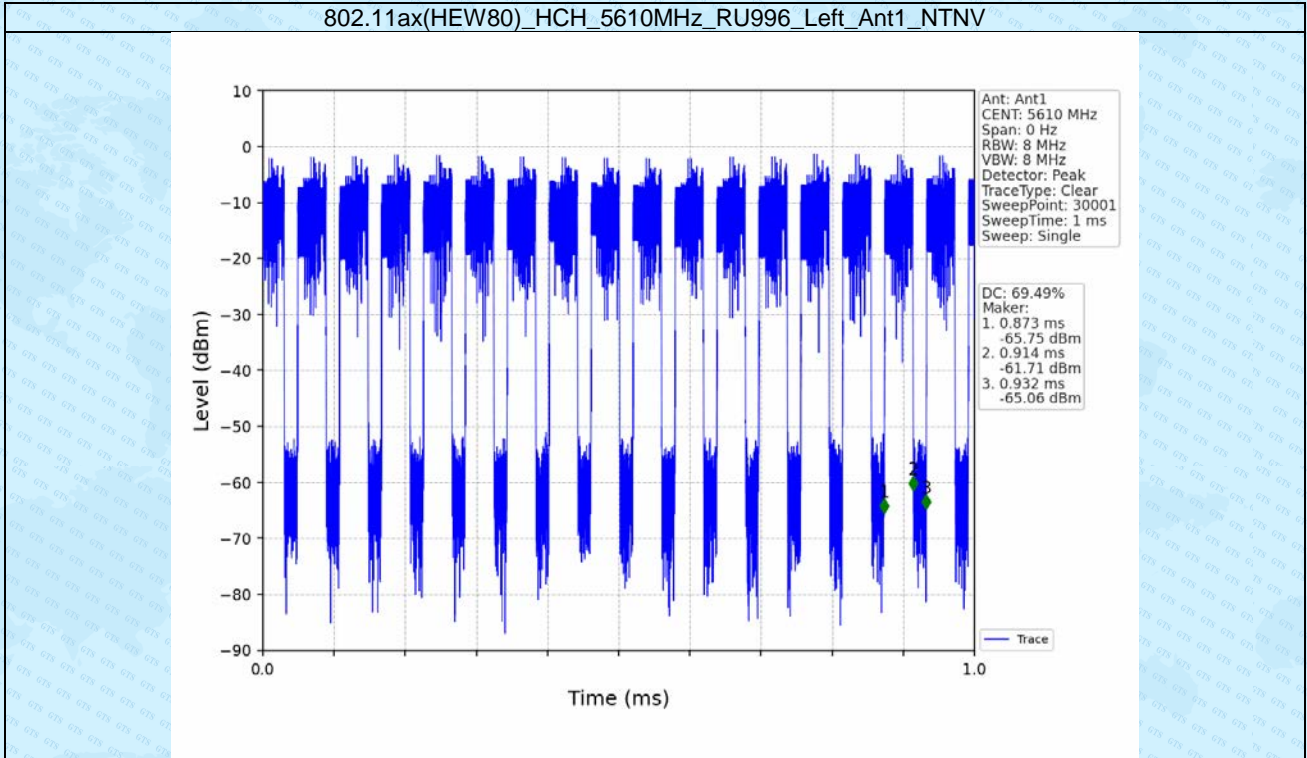
802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_HCH\_5610MHZ\_RU996\_Left\_Ant1\_NTNV



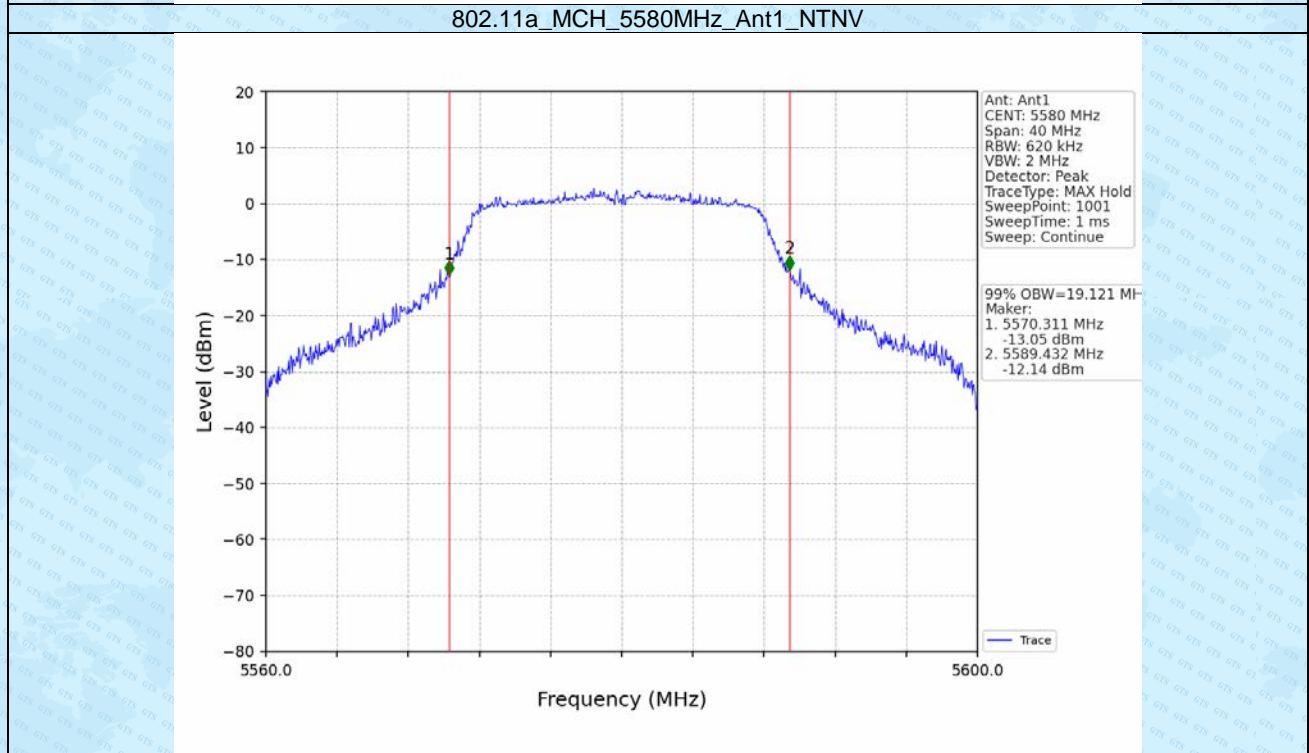
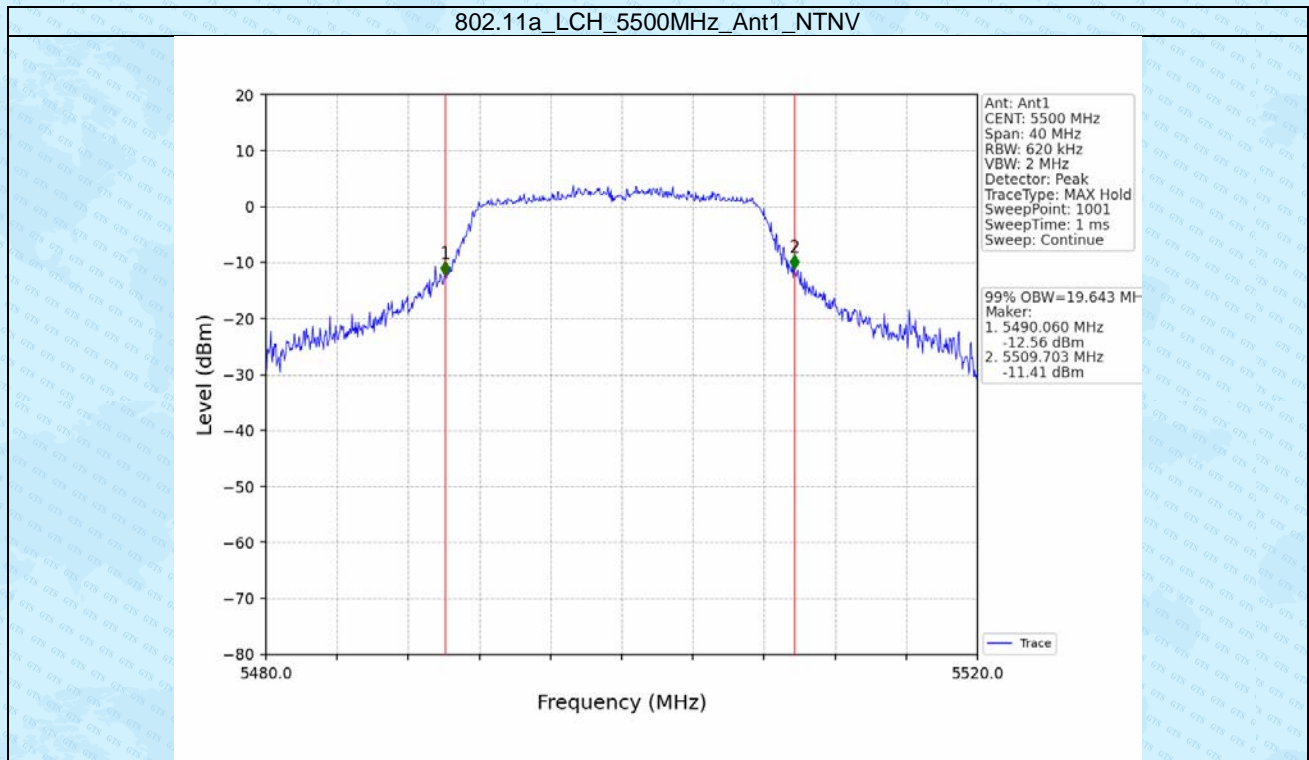
## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

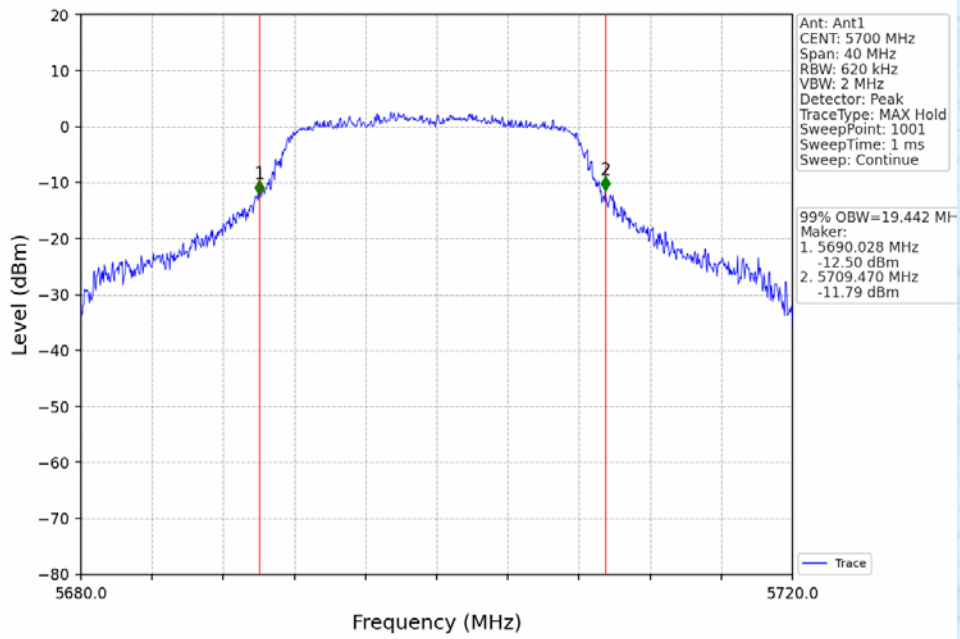
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result		
802.11a	SISO	5500	/	/	1	19.643		Pass
		5580	/	/	1	19.121		Pass
		5700	/	/	1	19.442		Pass
802.11n (HT20)	MIMO	5500	/	/	1	20.228		Pass
		5580	/	/	1	20.144		Pass
		5700	/	/	1	20.078		Pass
802.11n (HT40)	MIMO	5510	/	/	1	36.072		Pass
		5550	/	/	1	36.171		Pass
		5670	/	/	1	36.104		Pass
802.11ac (VHT20)	MIMO	5500	/	/	1	20.166		Pass
		5580	/	/	1	20.115		Pass
		5700	/	/	1	20.143		Pass
802.11ac (VHT40)	MIMO	5510	/	/	1	35.990		Pass
		5550	/	/	1	36.042		Pass
		5670	/	/	1	36.017		Pass
802.11ac (VHT80)	MIMO	5530	/	/	1	75.323		Pass
		5610	/	/	1	75.371		Pass
802.11ax (HEW20)	MIMO	5500	RU242	Left	1	19.695		Pass
		5580	RU242	Left	1	19.790		Pass
		5700	RU242	Left	1	19.728		Pass
802.11ax (HEW40)	MIMO	5510	RU484	Left	1	38.002		Pass
		5550	RU484	Left	1	38.046		Pass
		5670	RU484	Left	1	38.089		Pass
802.11ax (HEW80)	MIMO	5530	RU996	Left	1	77.251		Pass
		5610	RU996	Left	1	77.365		Pass

## 2.1.2 Test Graph

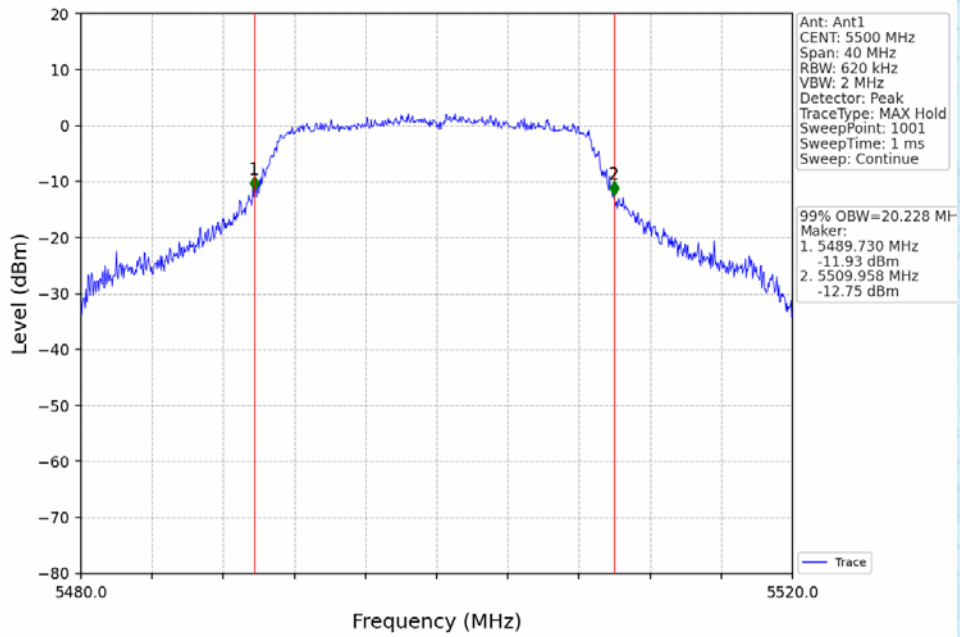




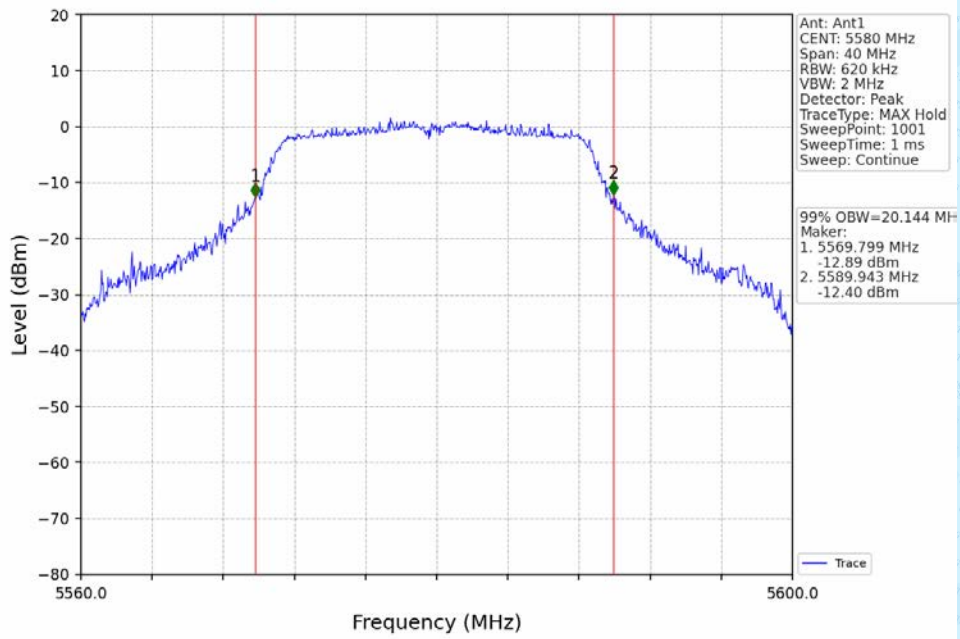
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



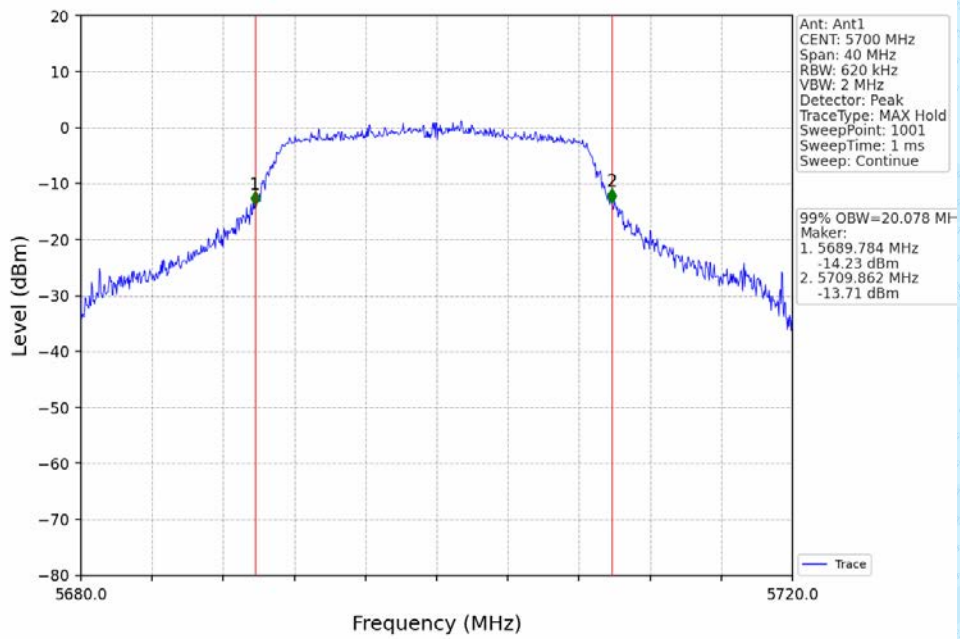
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



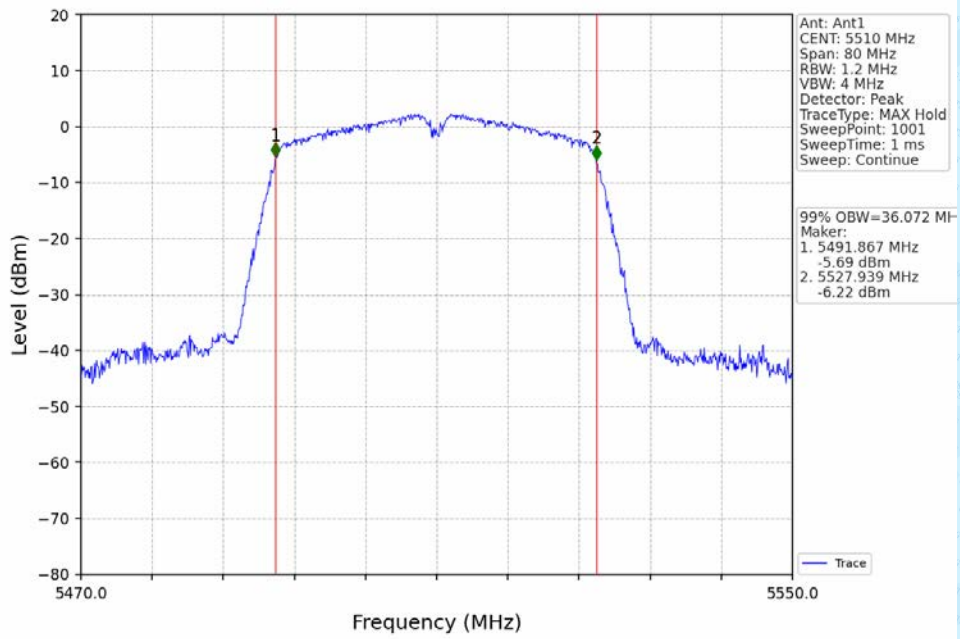
802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



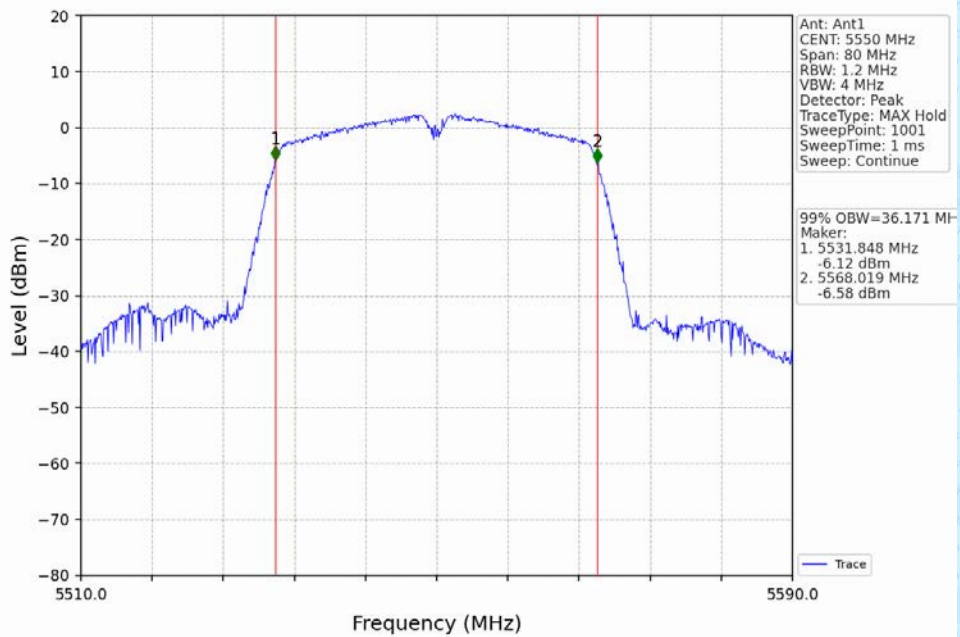
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



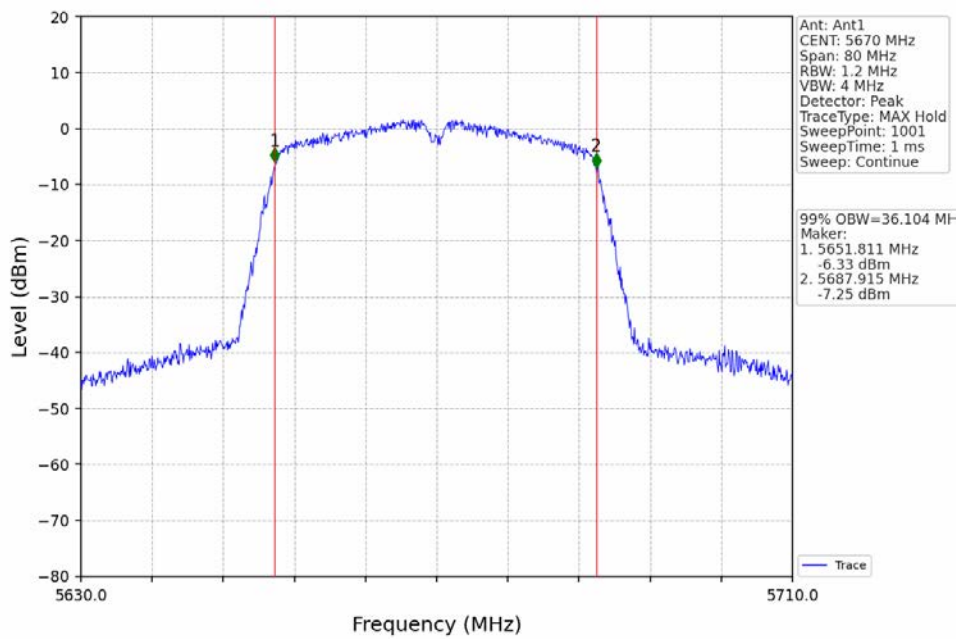
802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



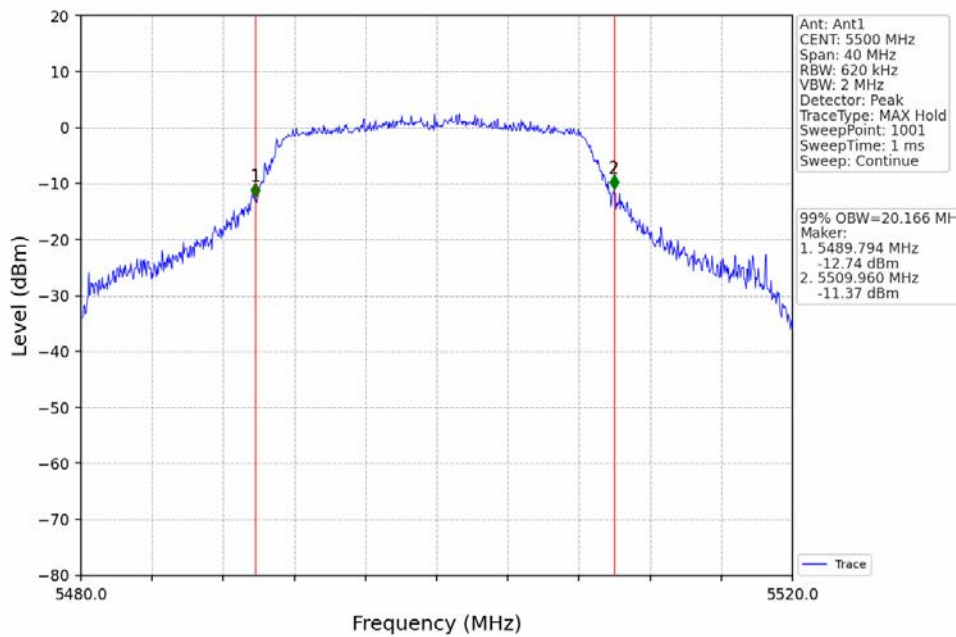
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



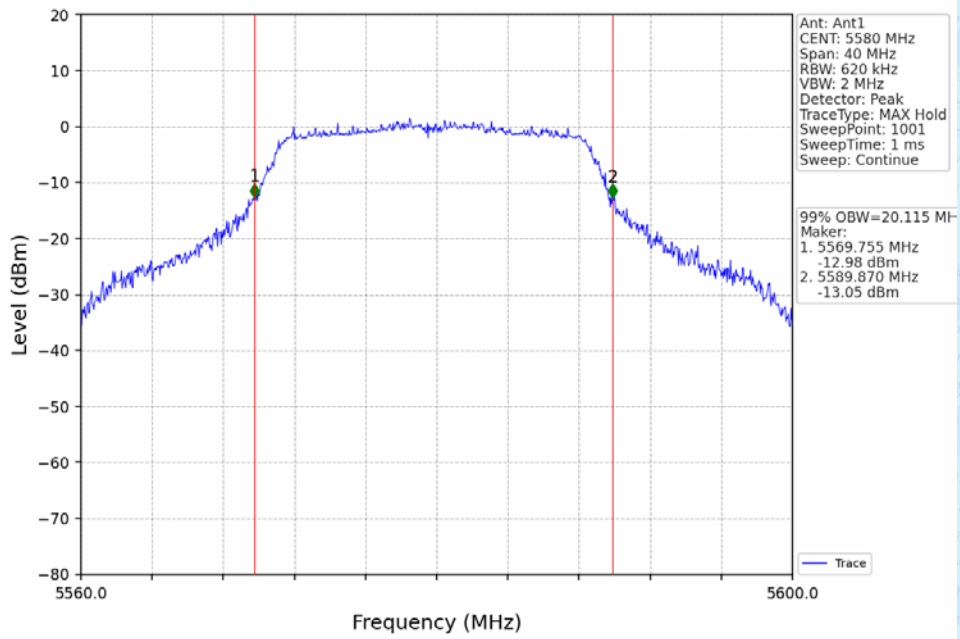
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



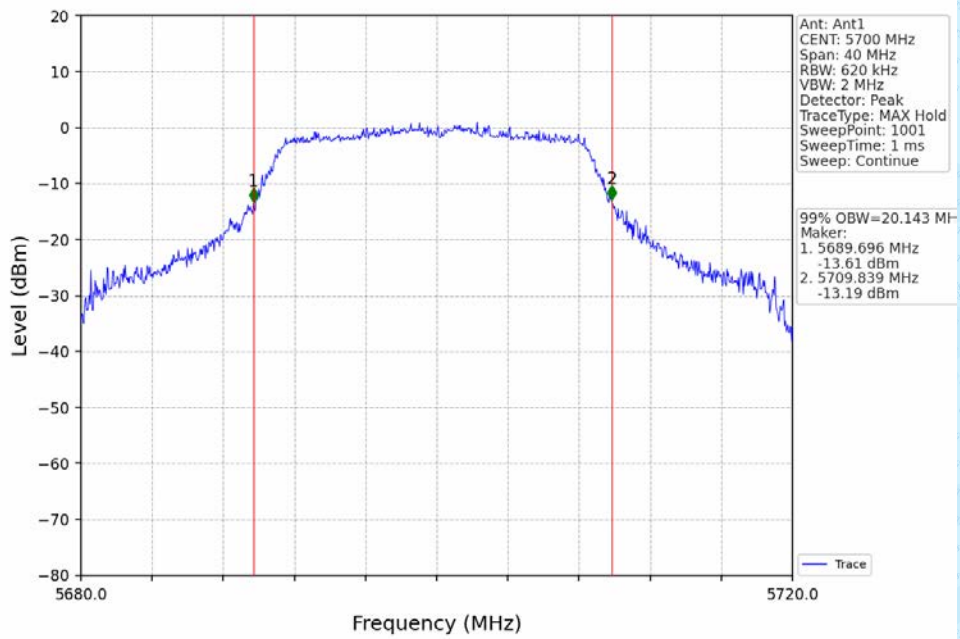
802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



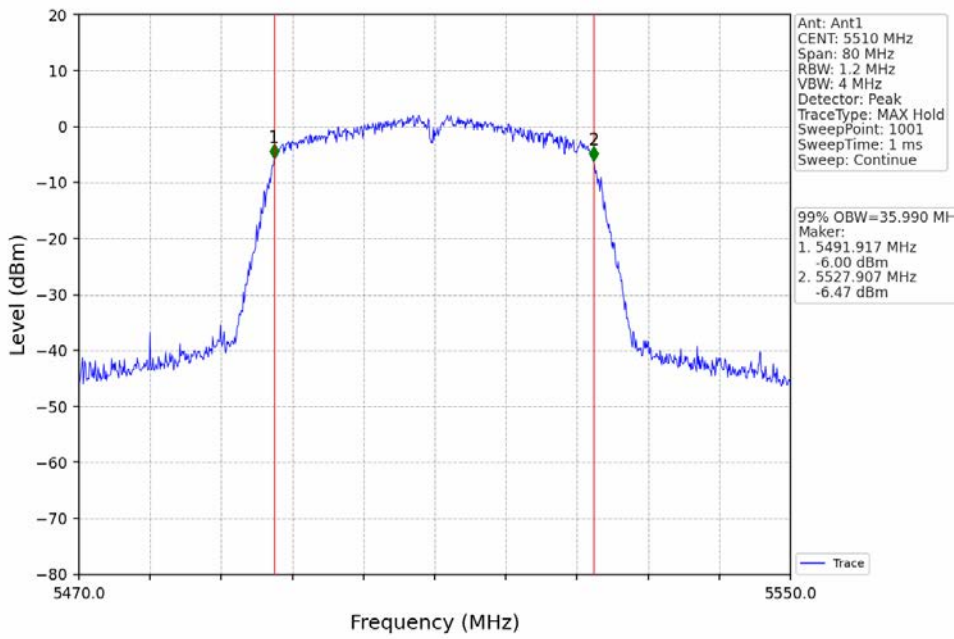
802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



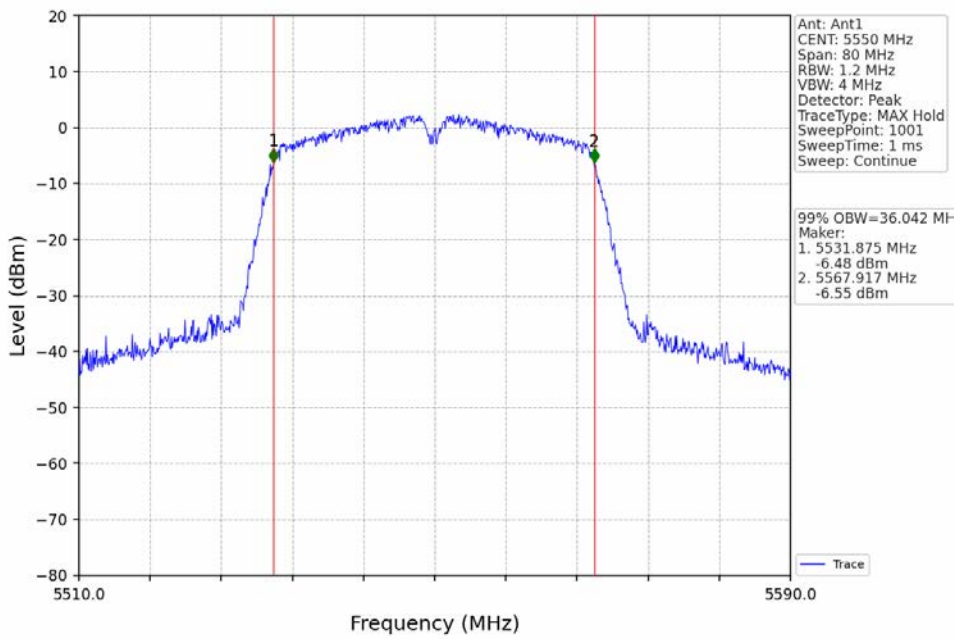
802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



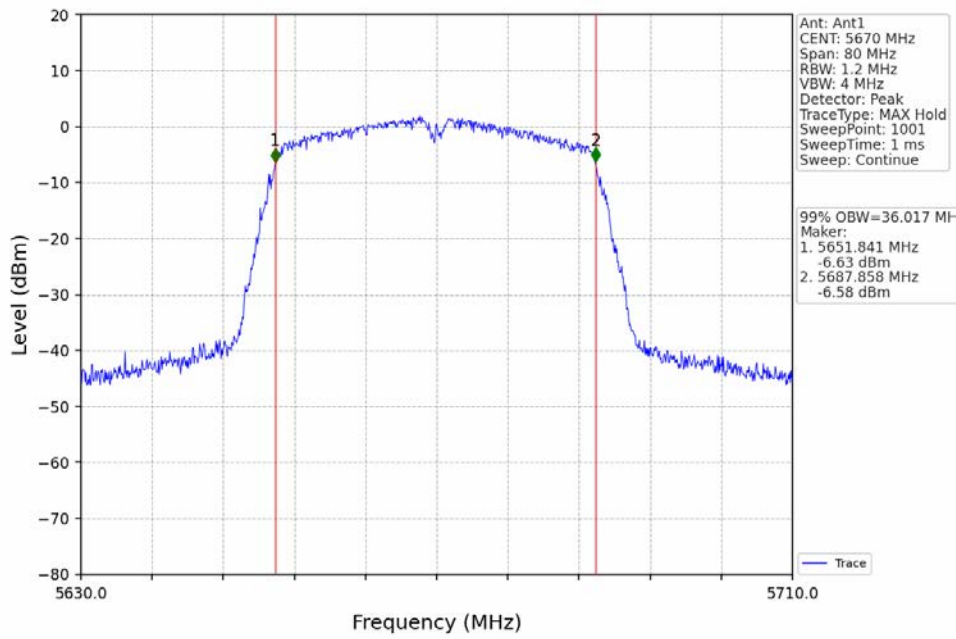
802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



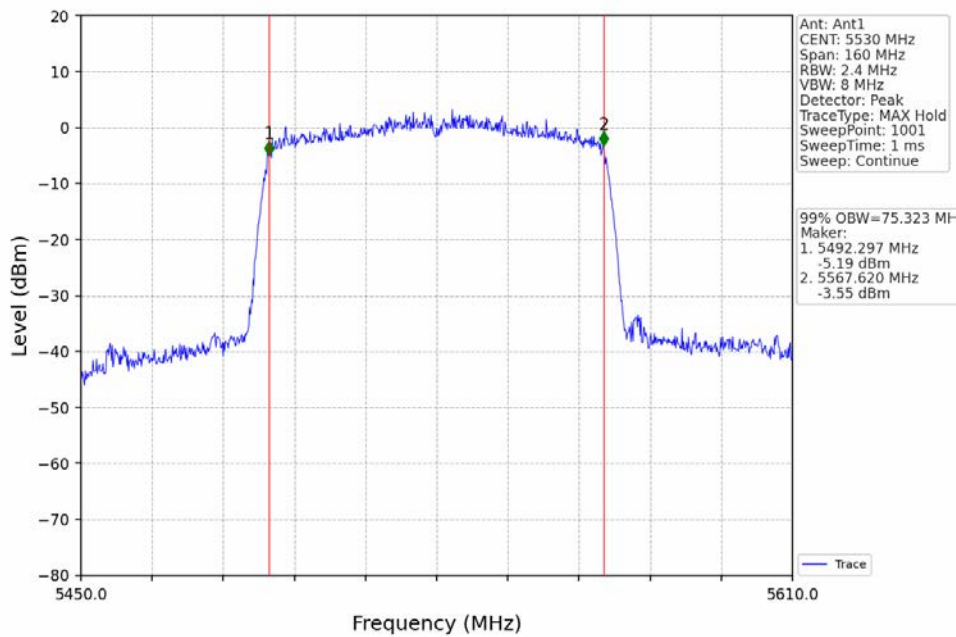
802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV



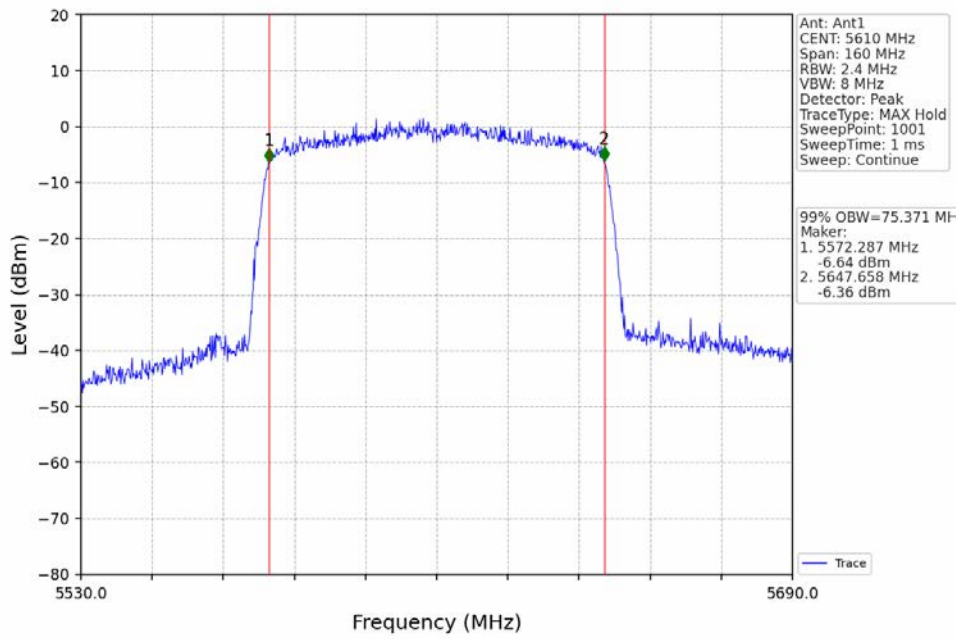
802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



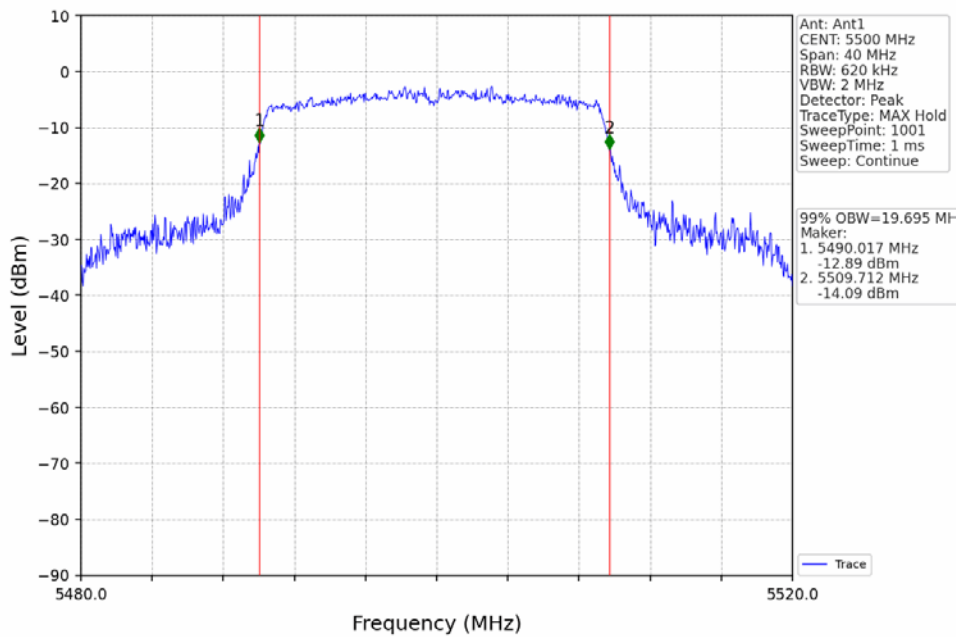
802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV

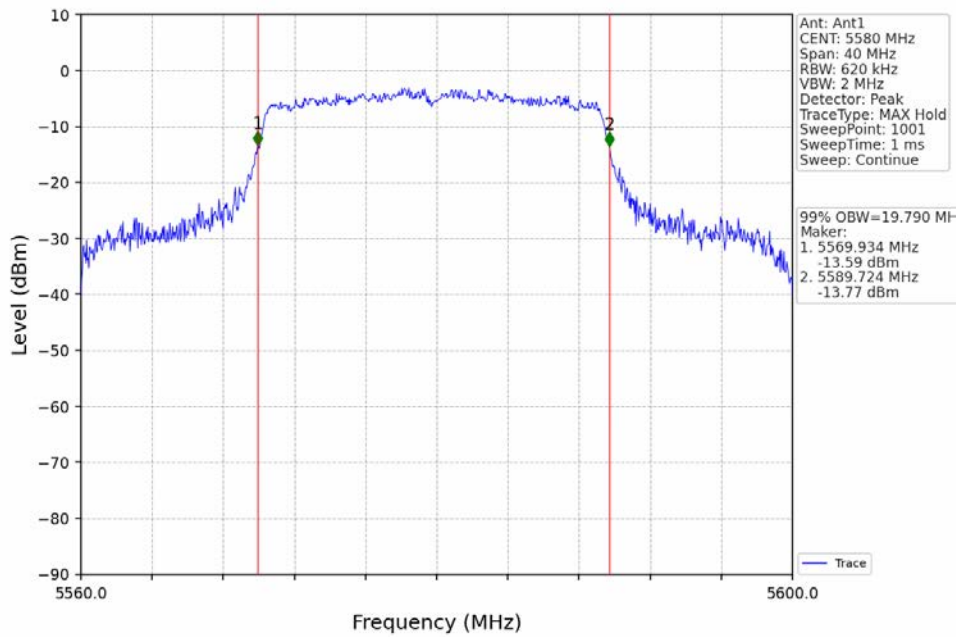


802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV

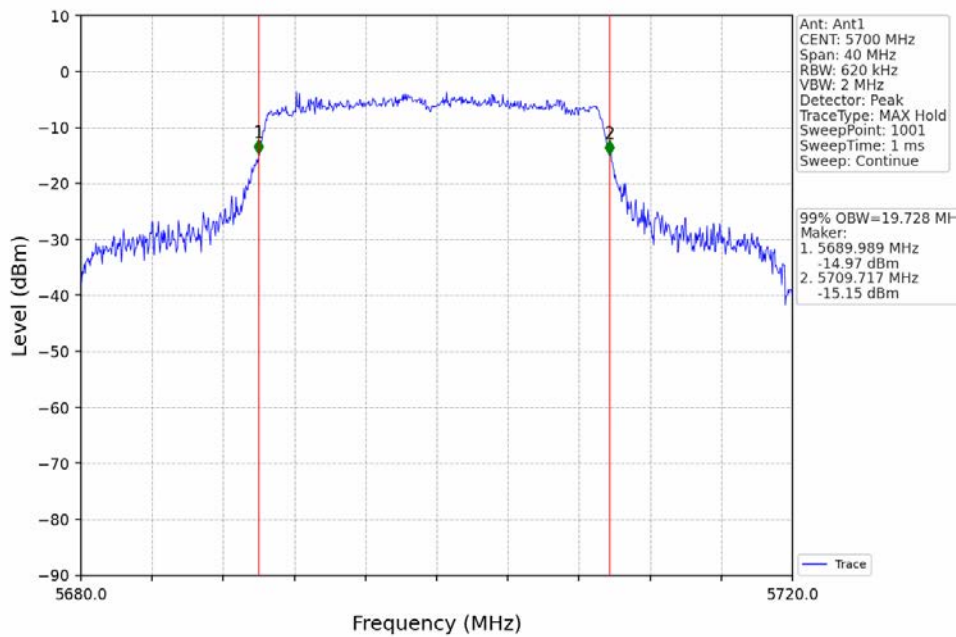




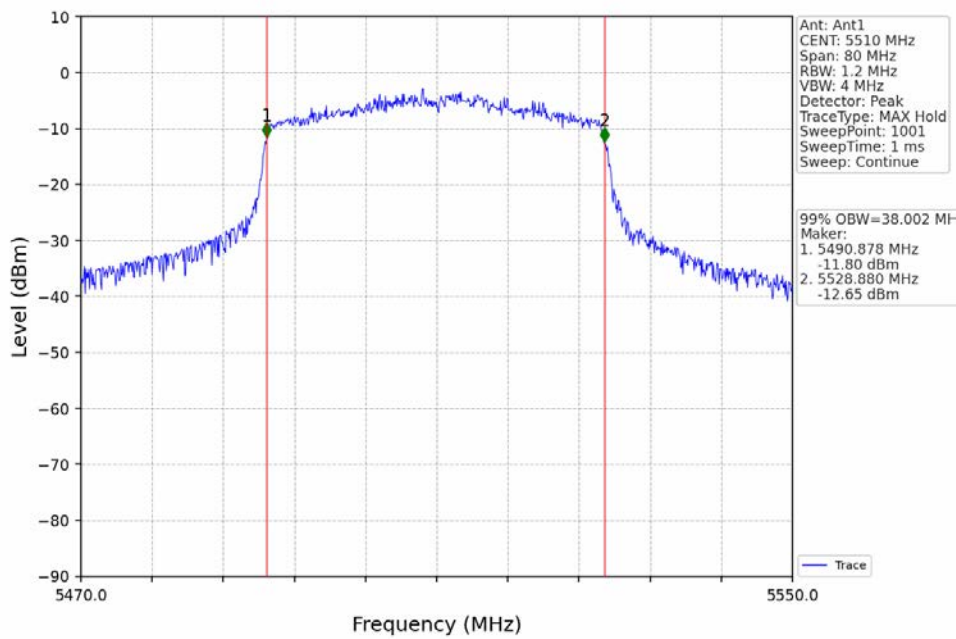
802.11ax(HEW20)\_MCH\_5580MHz\_RU242\_Left\_Ant1\_NTNV



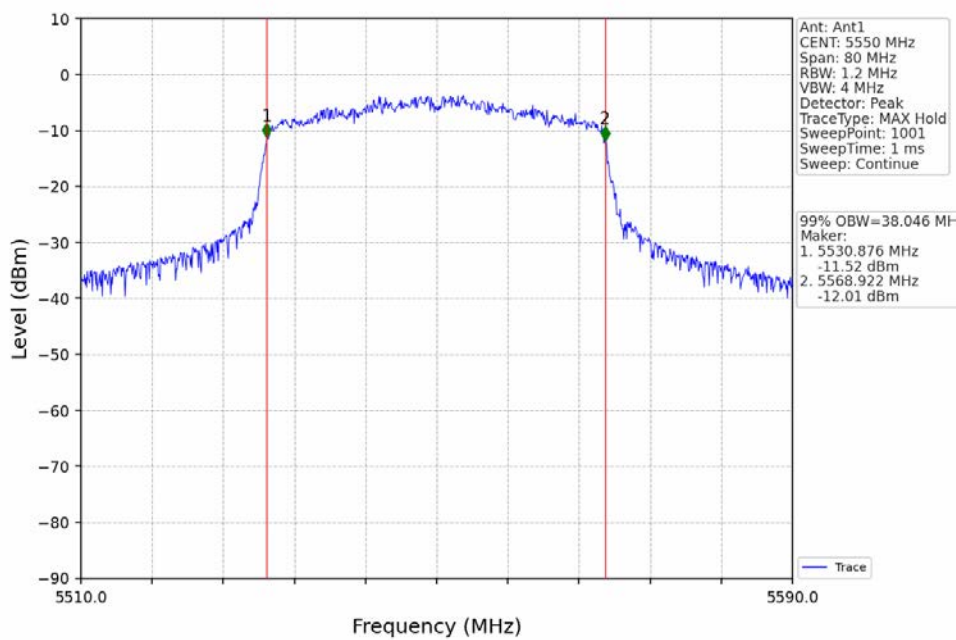
802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV



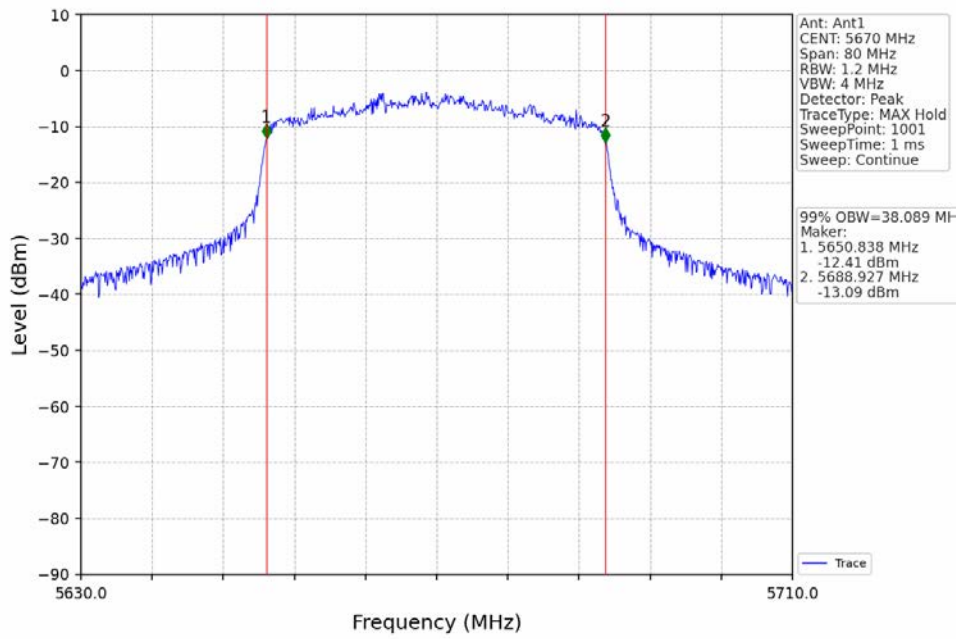
802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



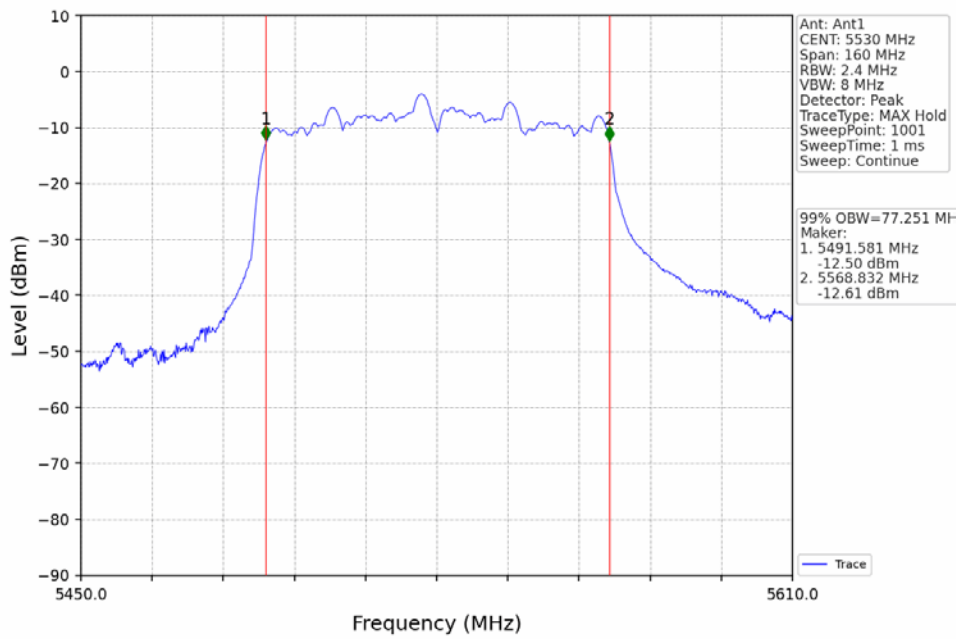
802.11ax(HEW40)\_MCH\_5550MHz\_RU484\_Left\_Ant1\_NTNV

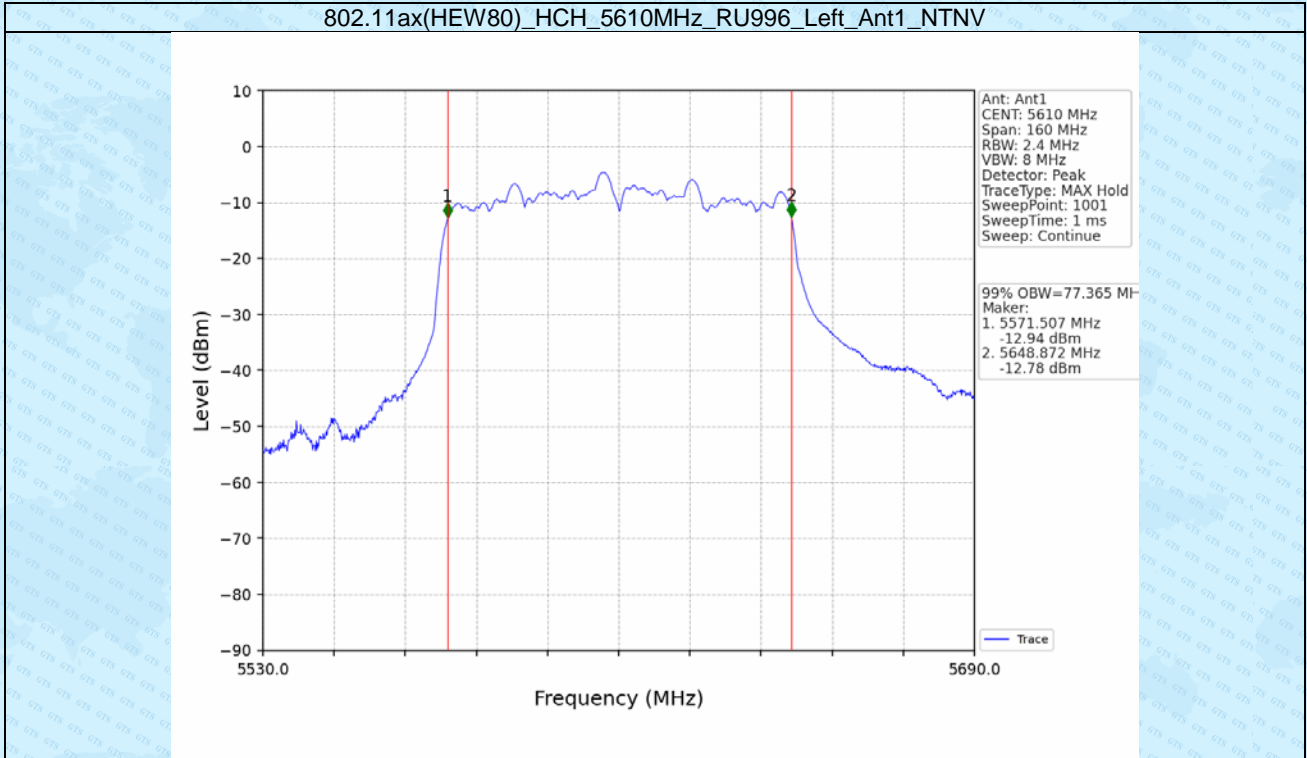


802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



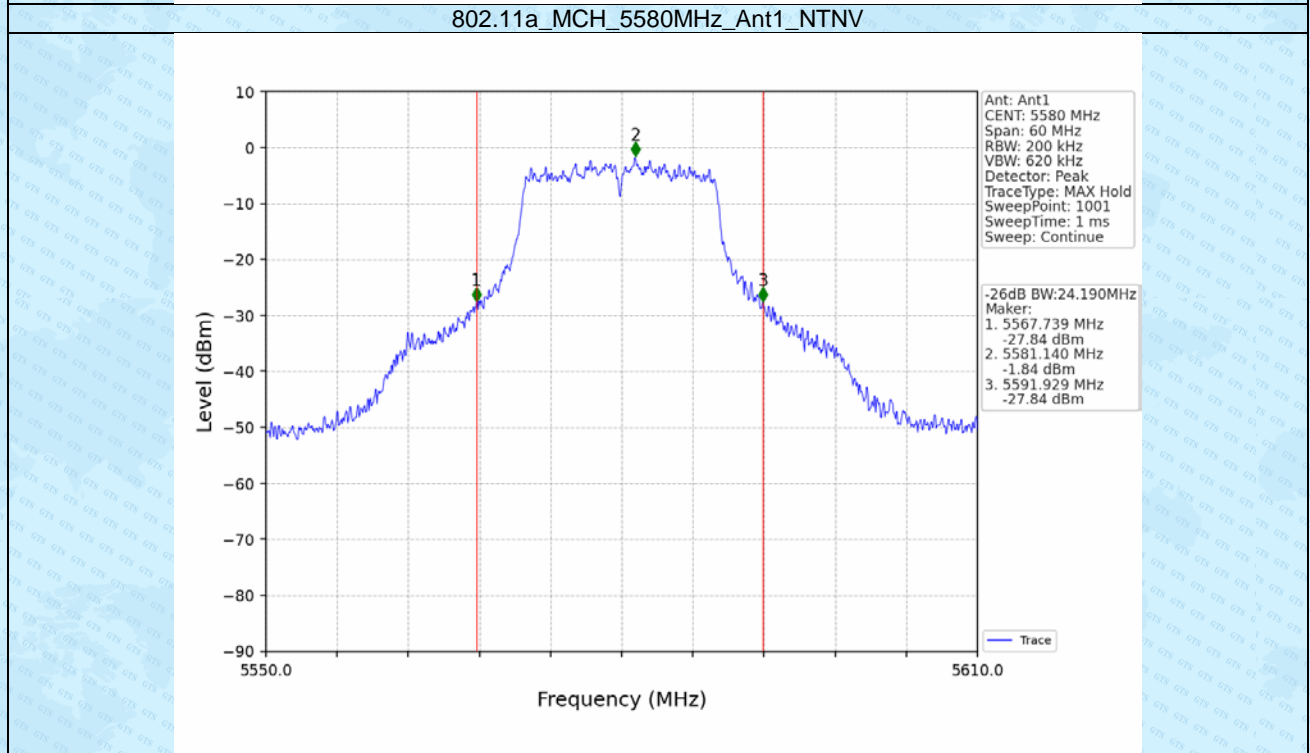
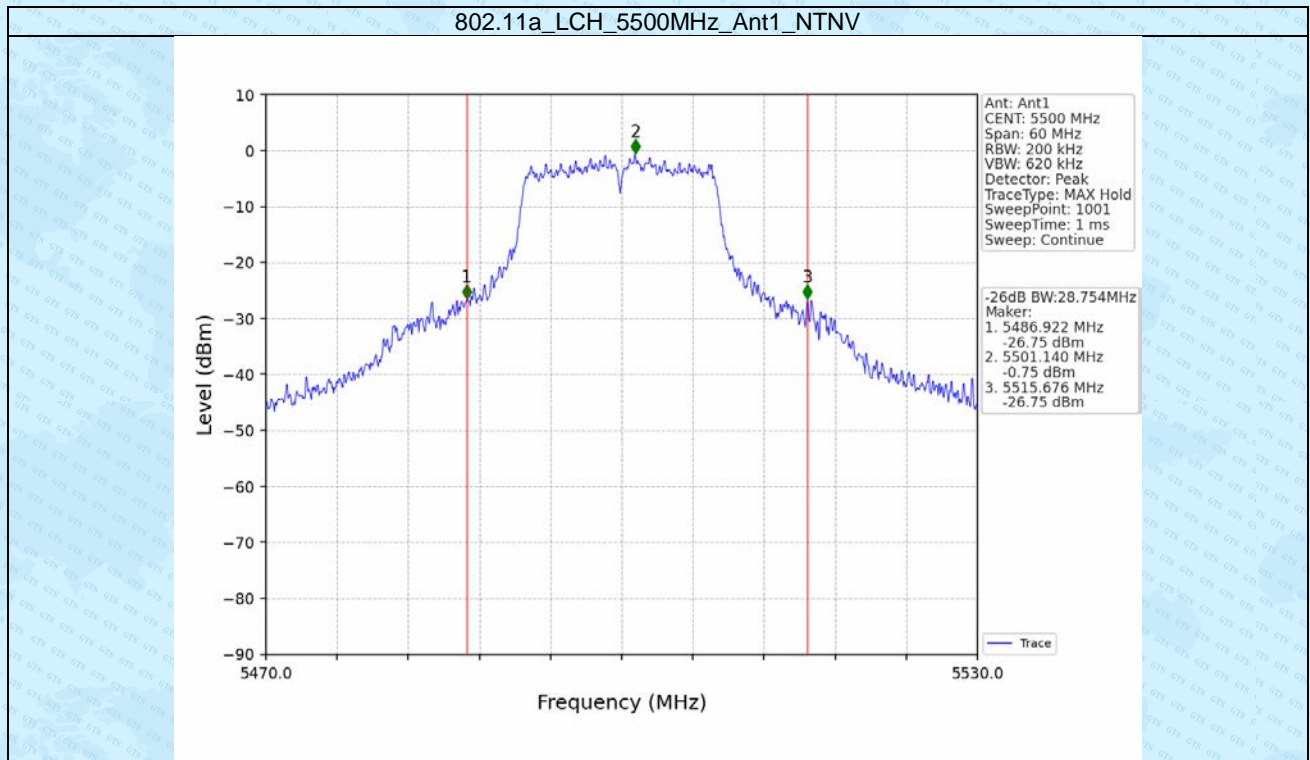


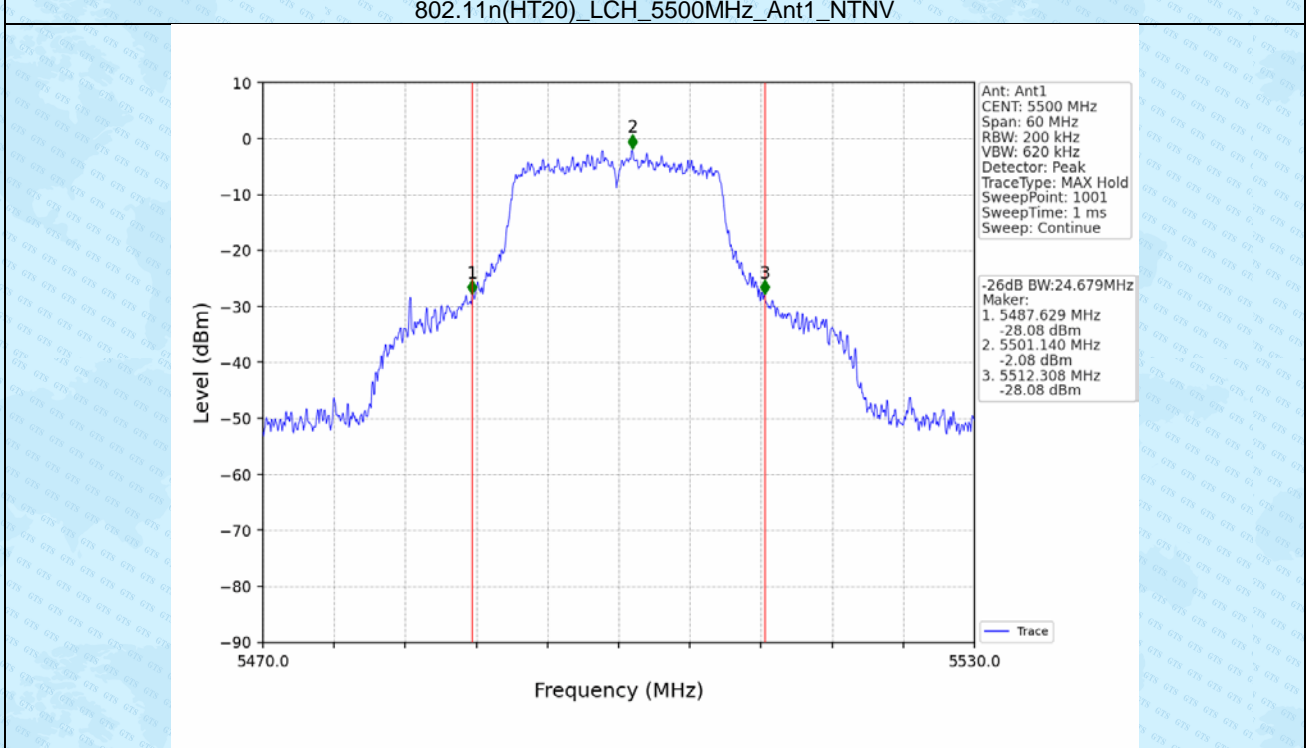
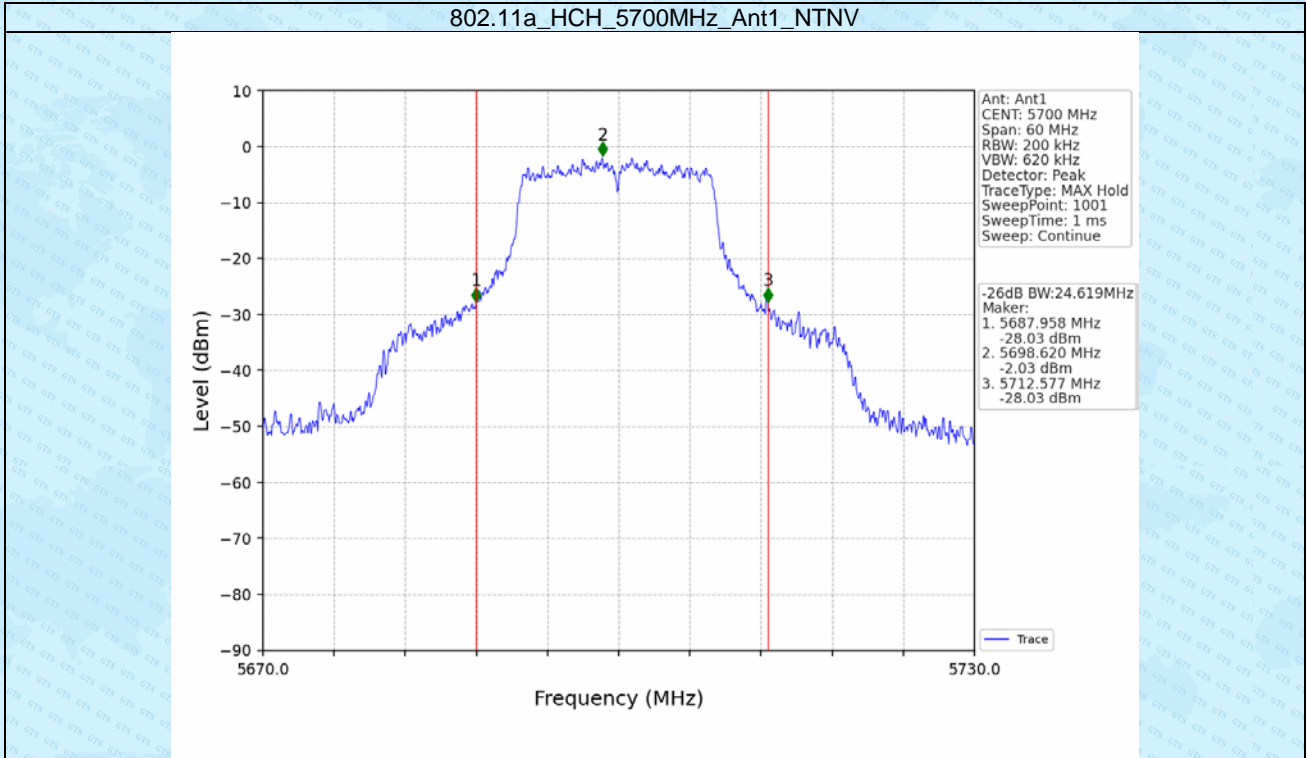
## 2.3 26dB BW

### 2.3.1 Test Result

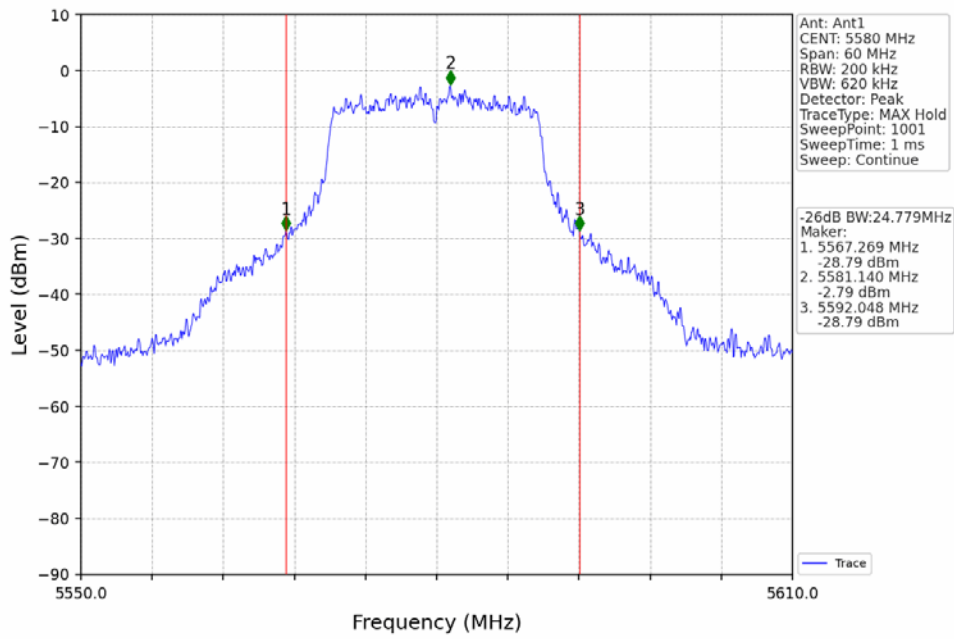
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)	Verdict
						Result	
802.11a	SISO	5500	/	/	1	28.754	Pass
		5580	/	/	1	24.190	Pass
		5700	/	/	1	24.619	Pass
802.11n (HT20)	MIMO	5500	/	/	1	24.679	Pass
		5580	/	/	1	24.779	Pass
		5700	/	/	1	25.236	Pass
802.11n (HT40)	MIMO	5510	/	/	1	40.085	Pass
		5550	/	/	1	40.217	Pass
		5670	/	/	1	40.121	Pass
802.11ac (VHT20)	MIMO	5500	/	/	1	24.577	Pass
		5580	/	/	1	25.340	Pass
		5700	/	/	1	26.004	Pass
802.11ac (VHT40)	MIMO	5510	/	/	1	40.083	Pass
		5550	/	/	1	40.137	Pass
		5670	/	/	1	39.869	Pass
802.11ac (VHT80)	MIMO	5530	/	/	1	79.666	Pass
		5610	/	/	1	79.877	Pass
802.11ax (HEW20)	MIMO	5500	RU242	Left	1	24.870	Pass
		5580	RU242	Left	1	25.335	Pass
		5700	RU242	Left	1	29.886	Pass
802.11ax (HEW40)	MIMO	5510	RU484	Left	1	41.600	Pass
		5550	RU484	Left	1	42.303	Pass
		5670	RU484	Left	1	41.820	Pass
802.11ax (HEW80)	MIMO	5530	RU996	Left	1	82.448	Pass
		5610	RU996	Left	1	82.458	Pass

## 2.3.2 Test Graph

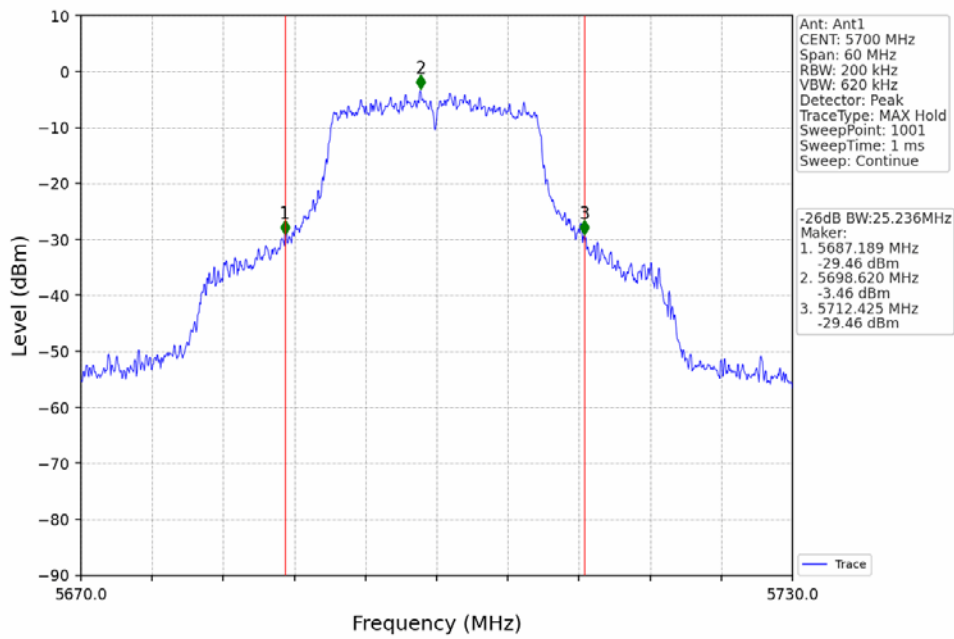




802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV

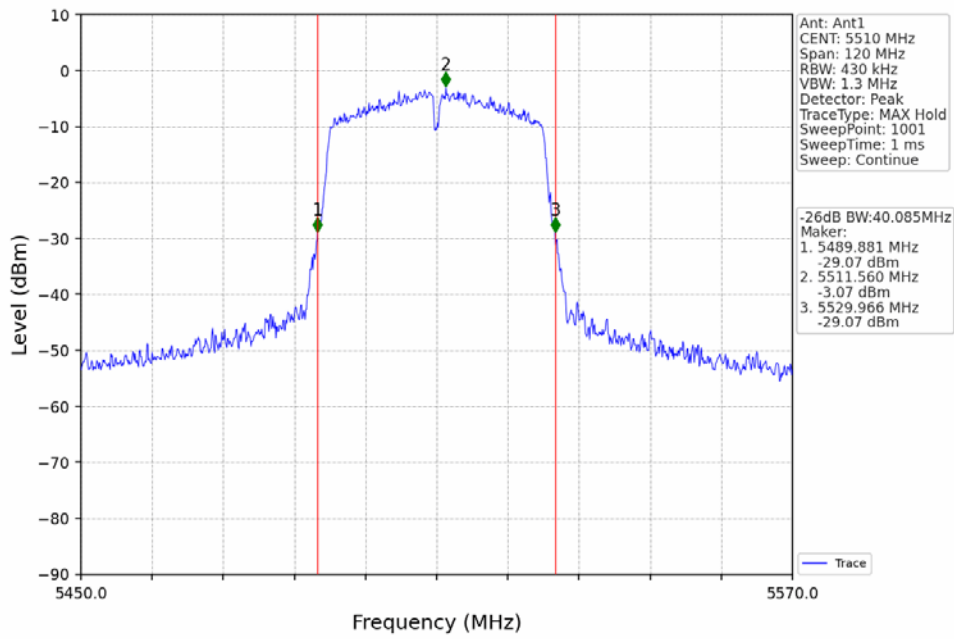


802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV

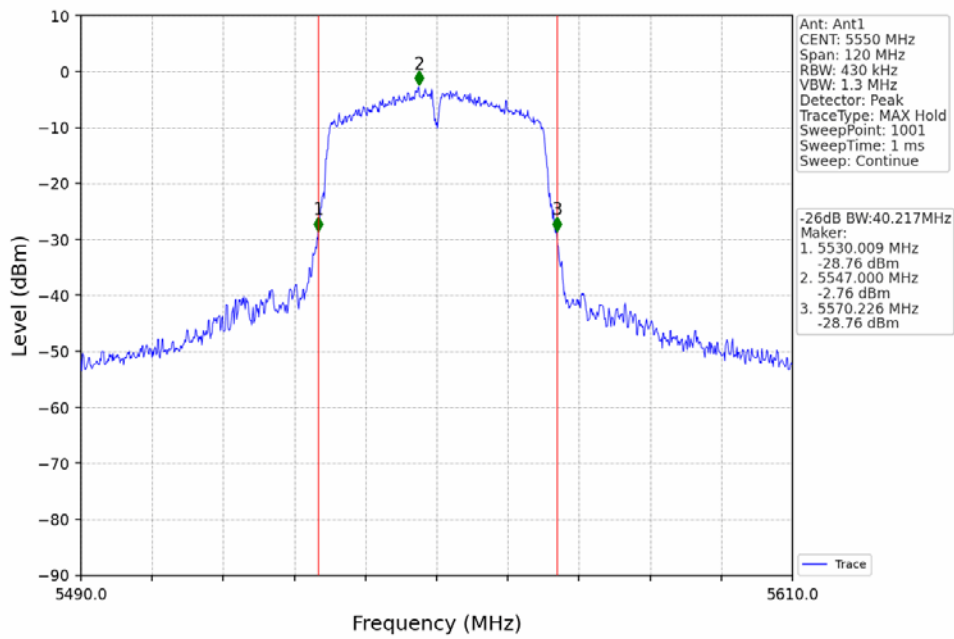




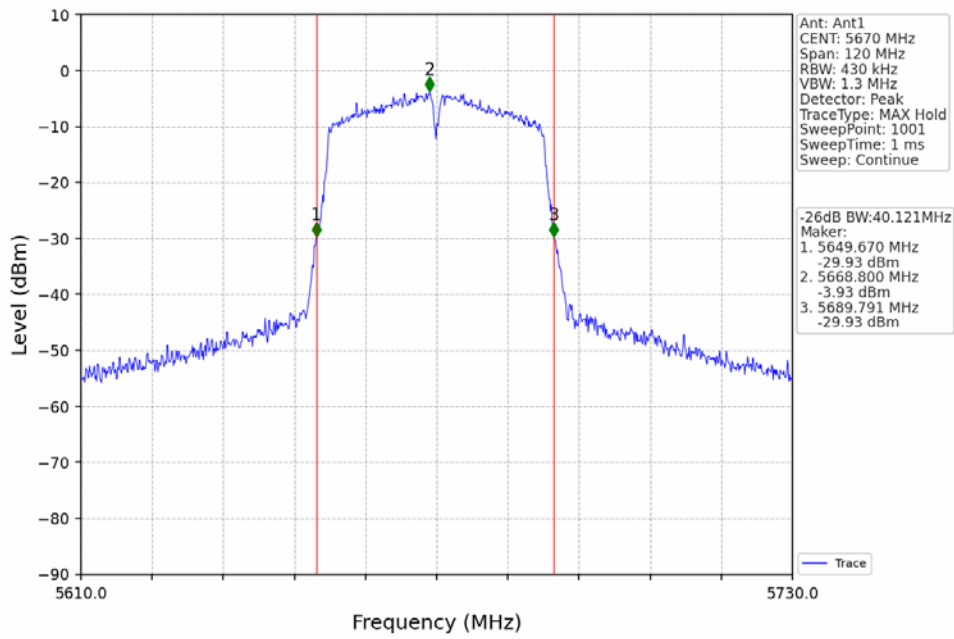
802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



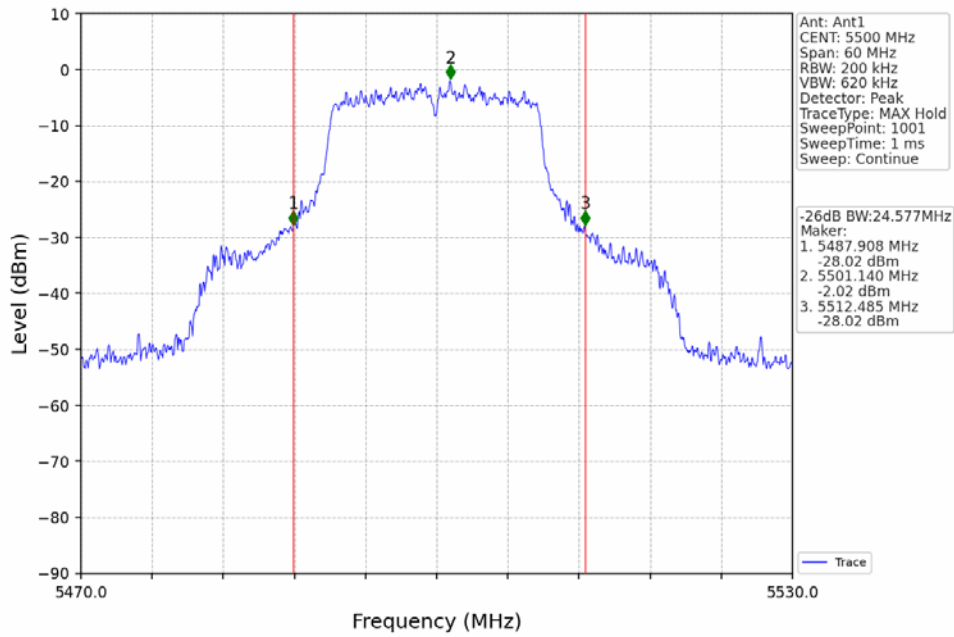
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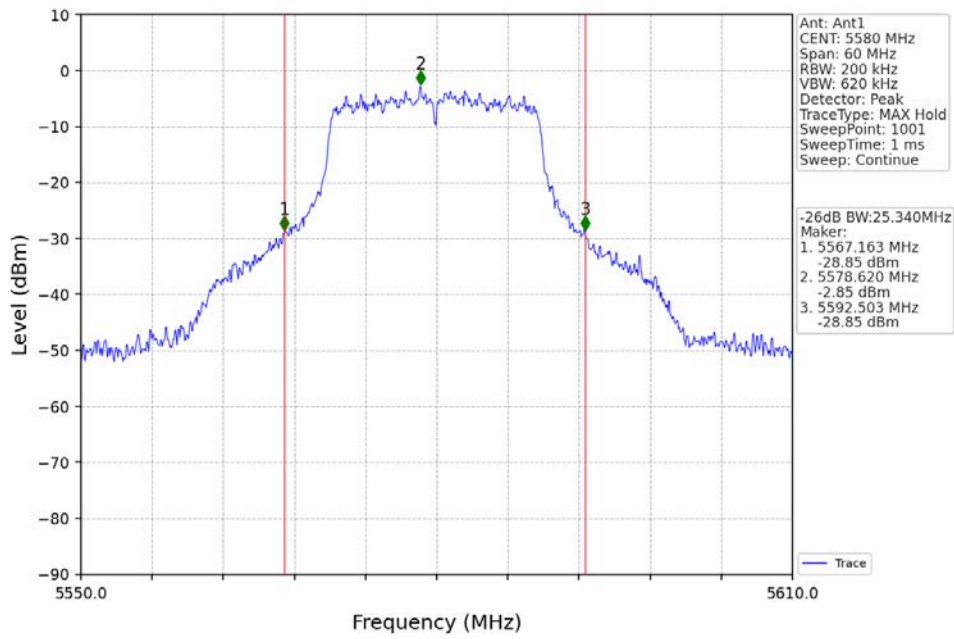
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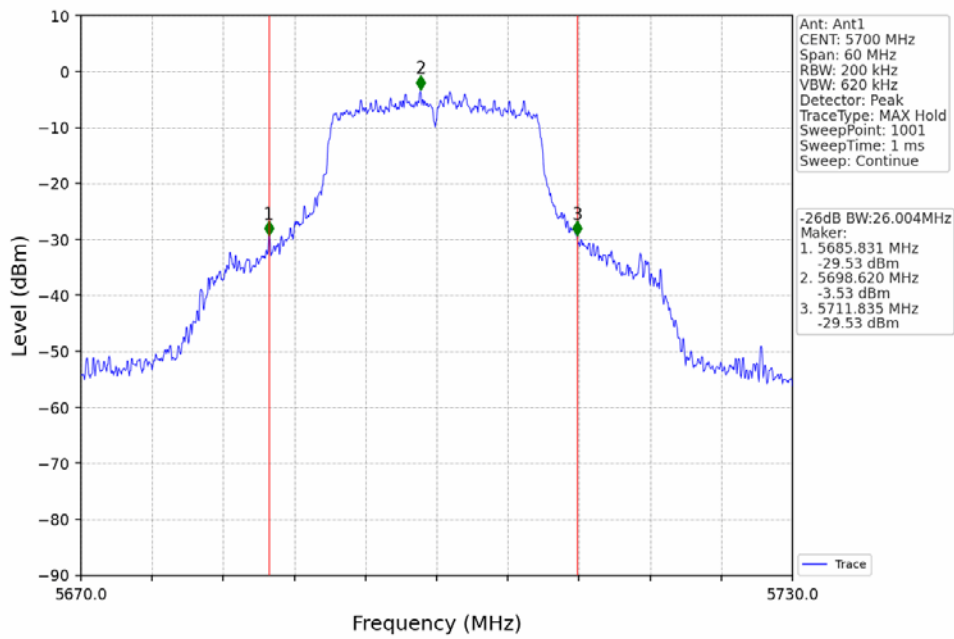
802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



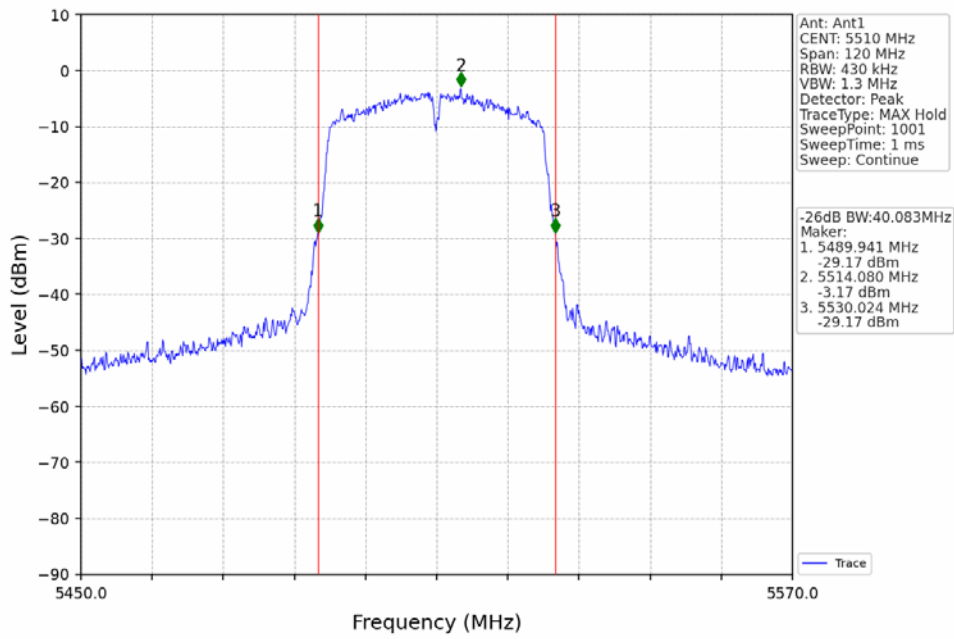
802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV



802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV

