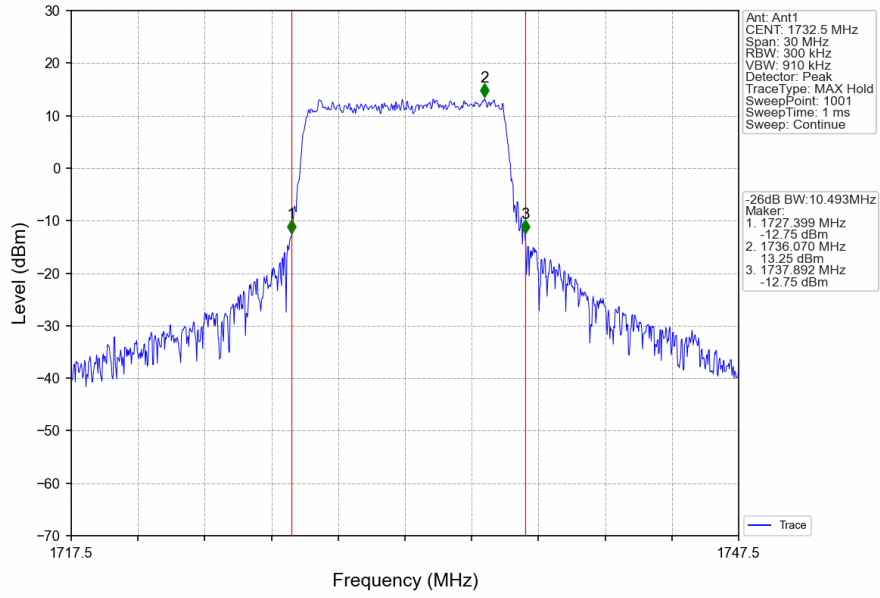
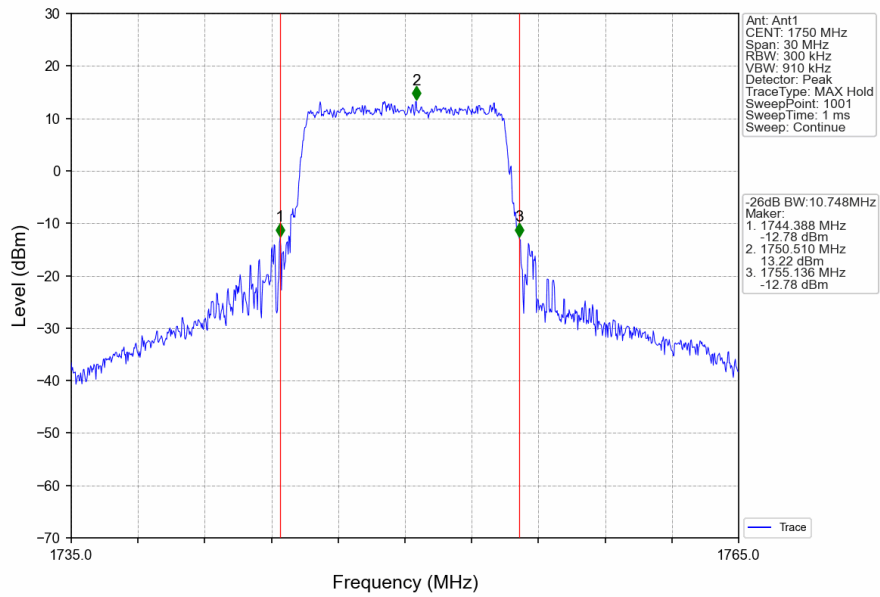


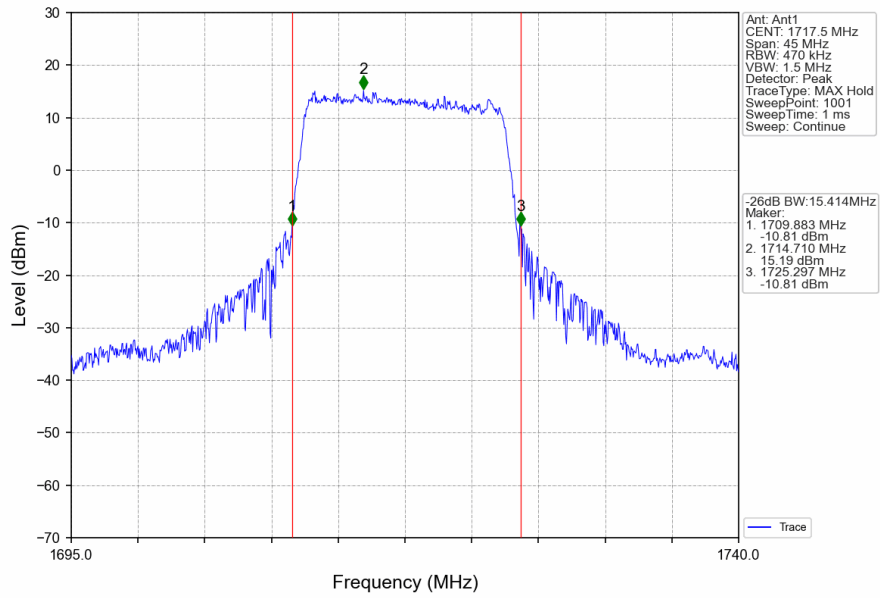
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



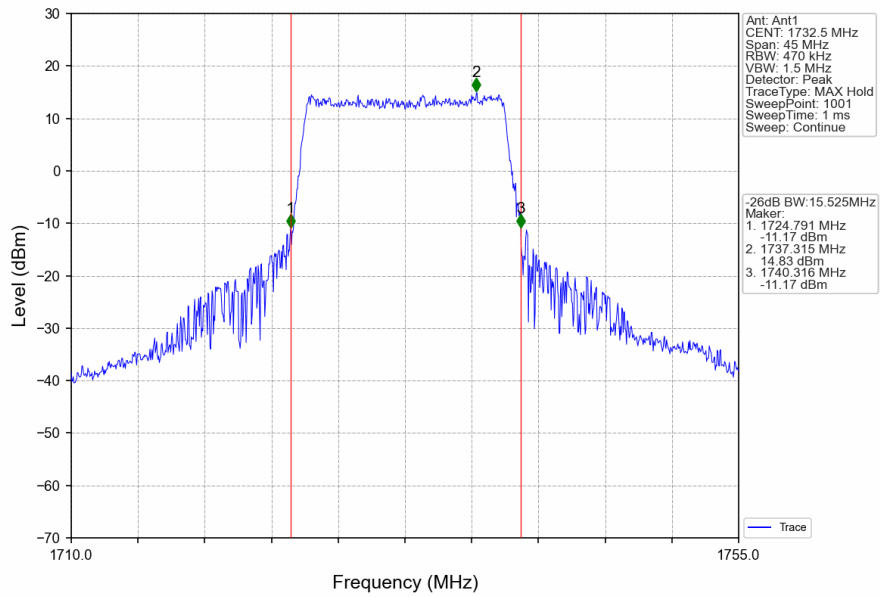
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



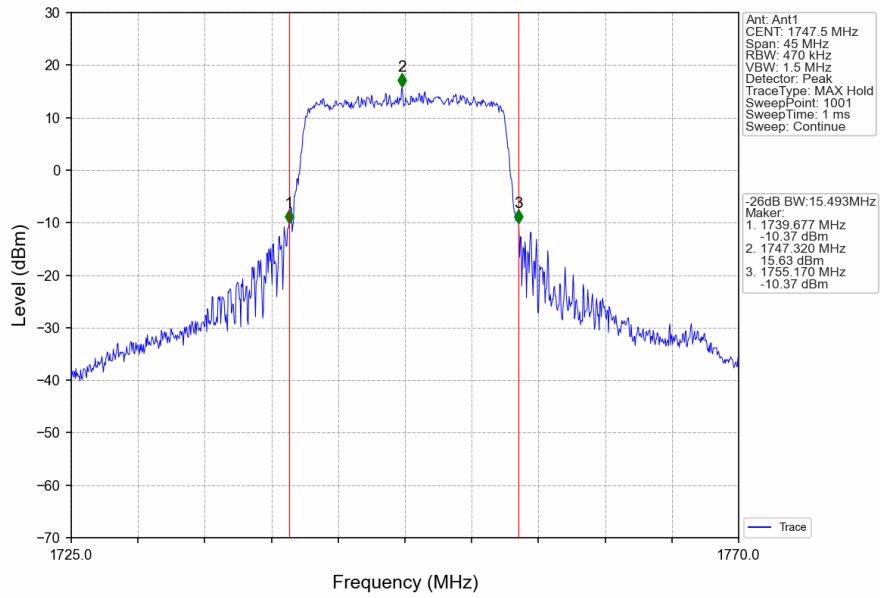
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



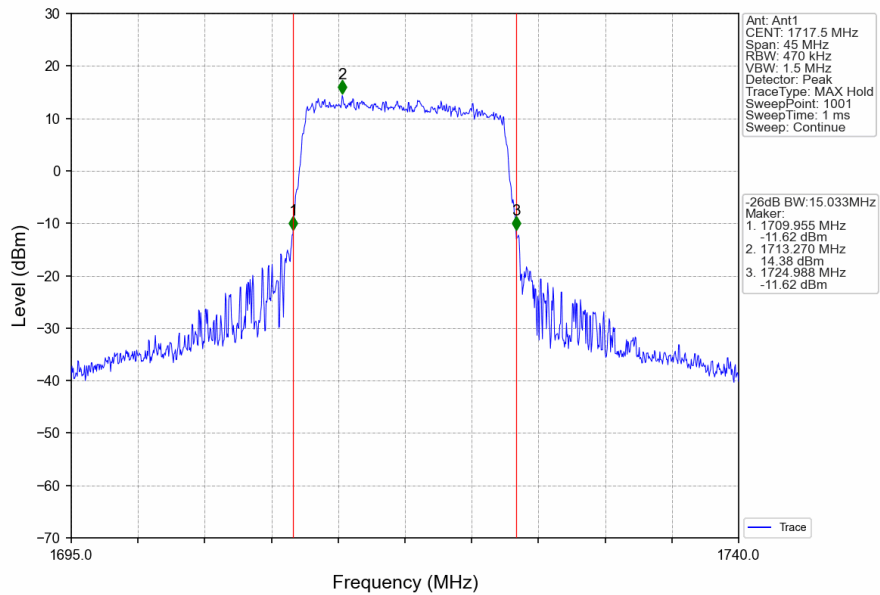
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



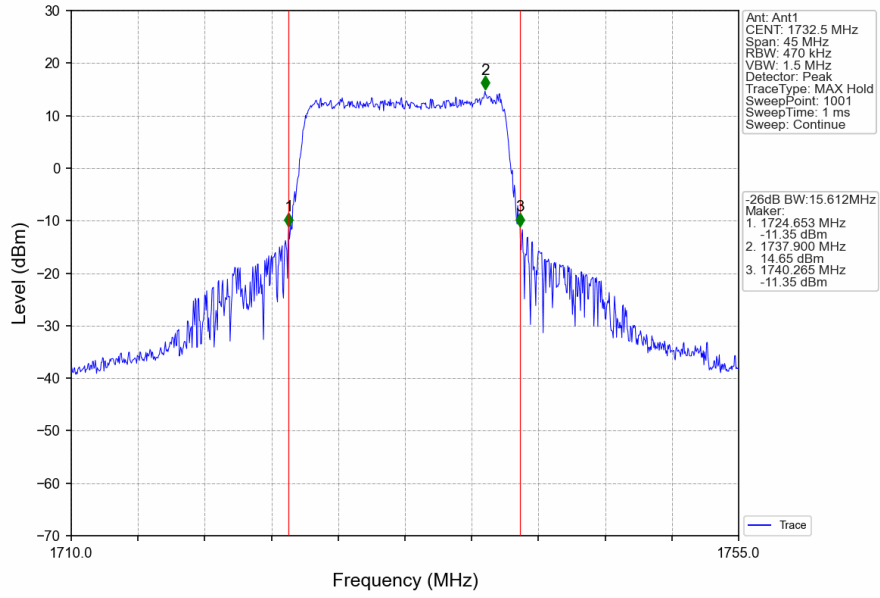
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



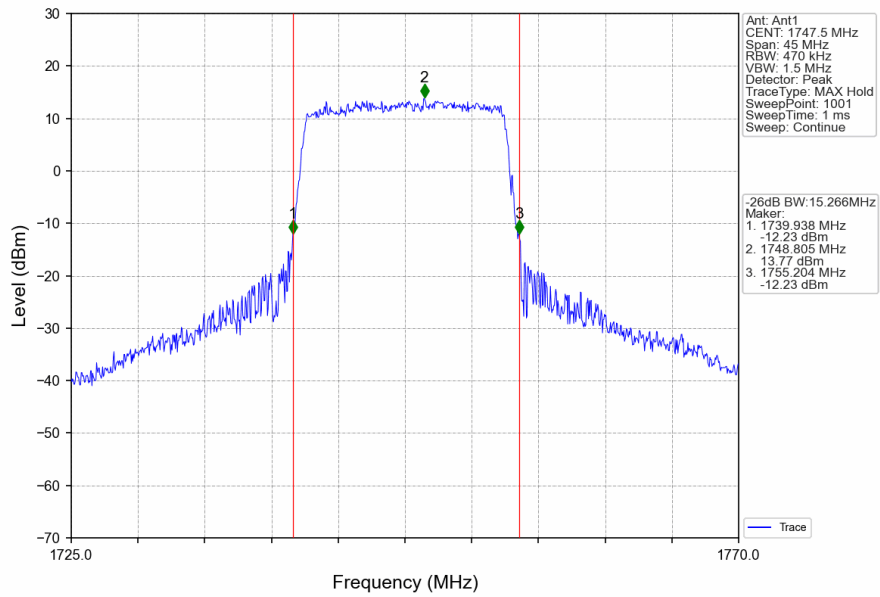
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



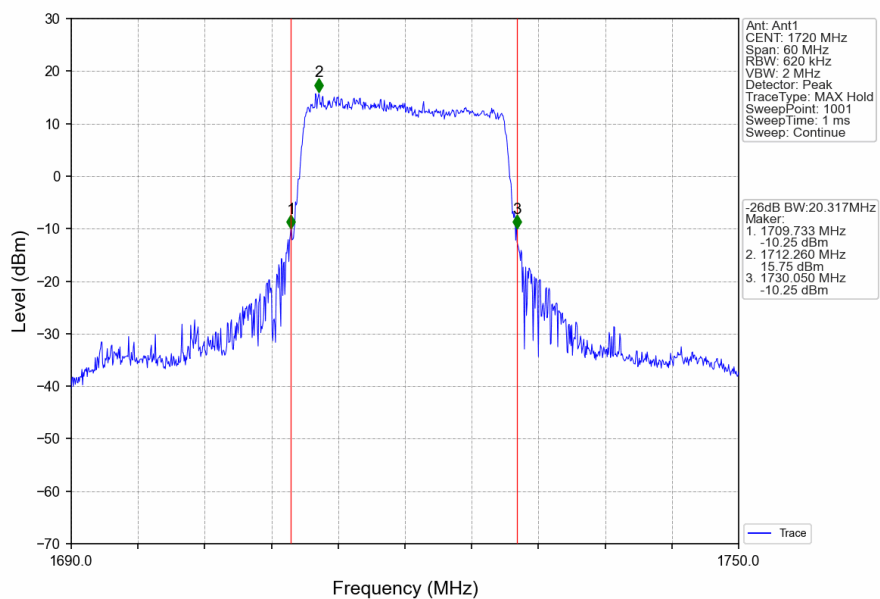
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



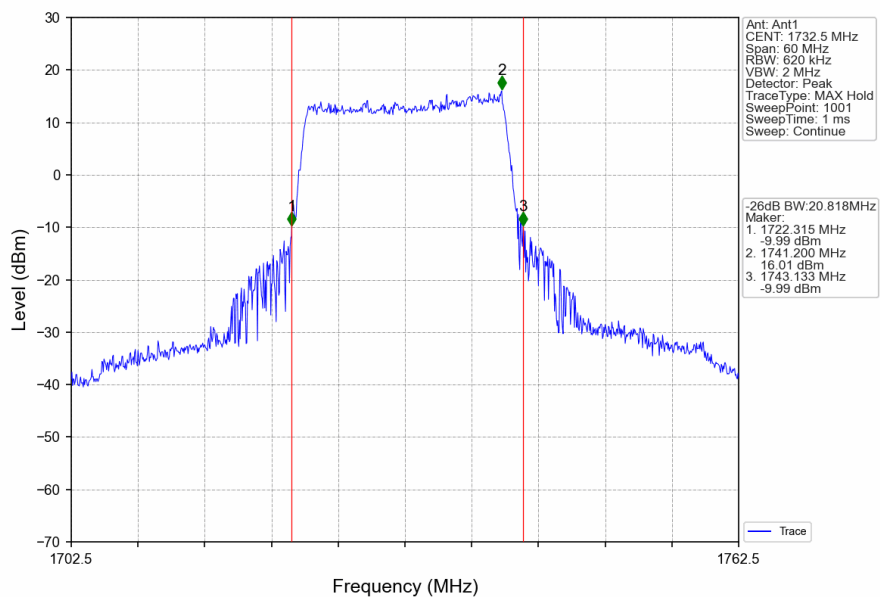
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



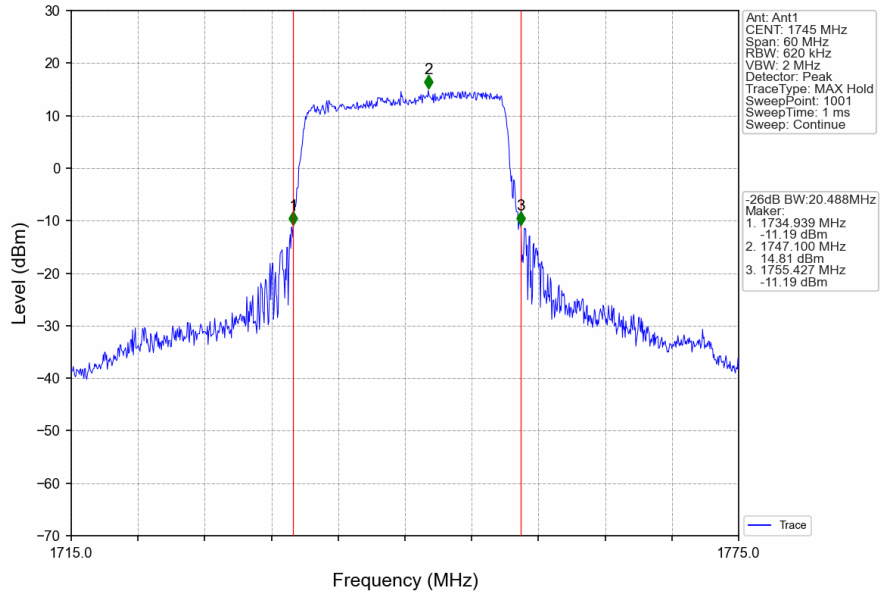
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



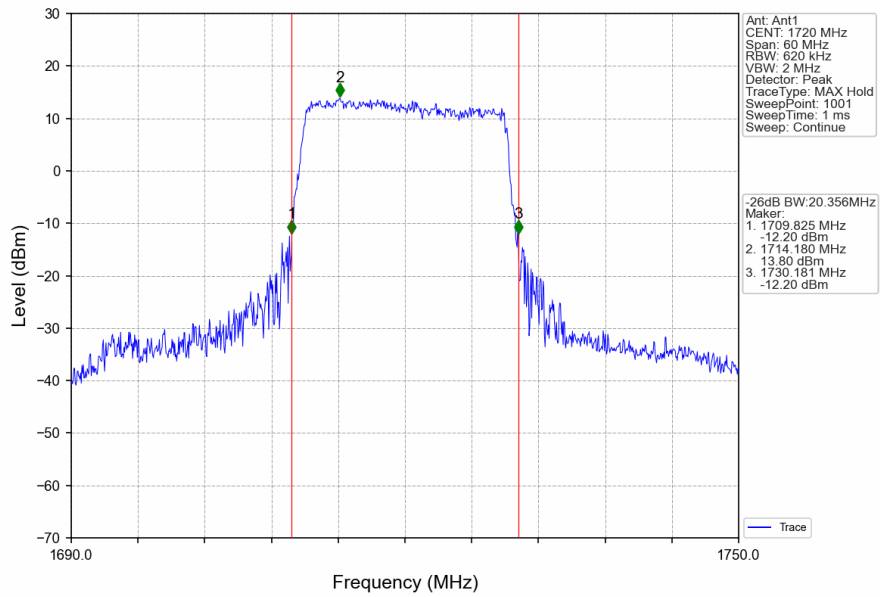
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



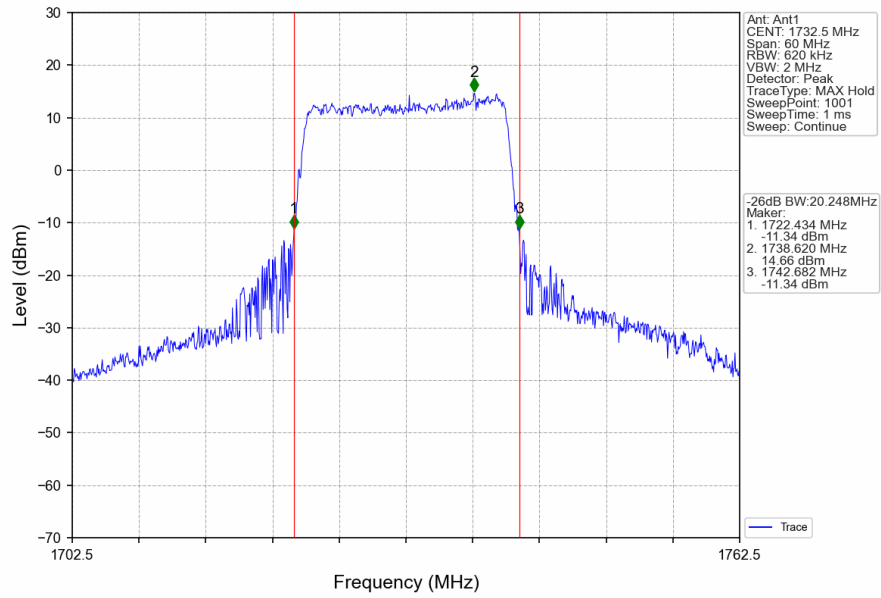
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



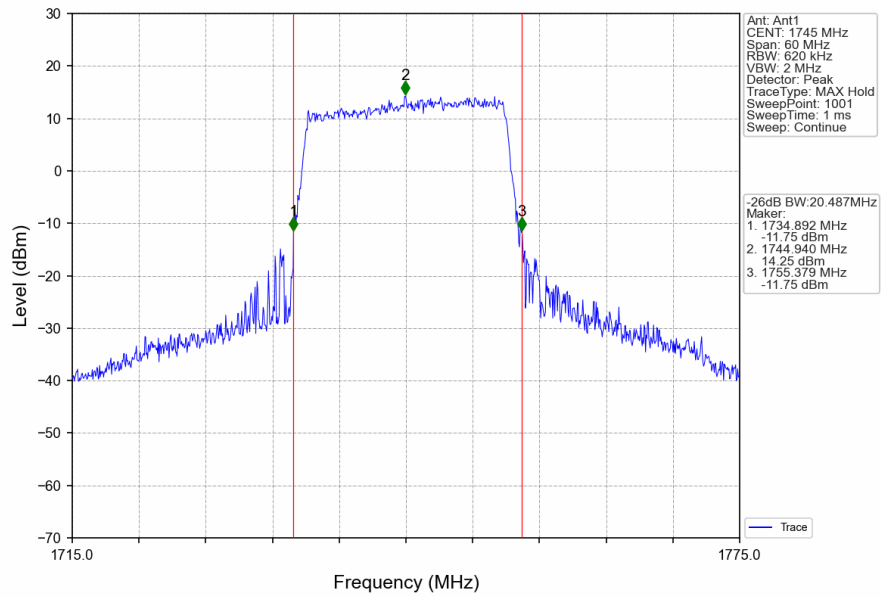
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



## 4. 99% & 26dB Bandwidth

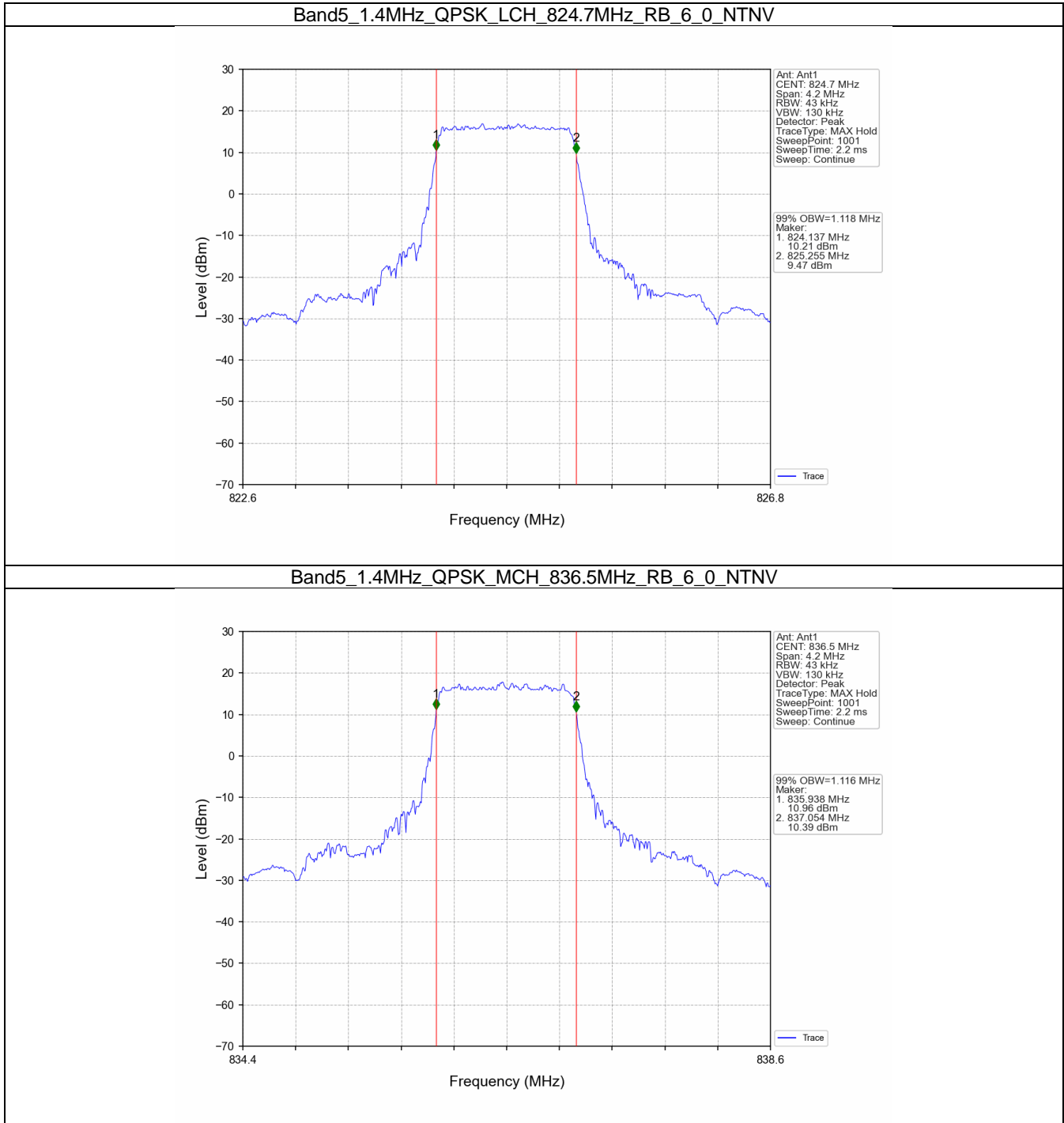
### 4.1 Band5\_OBW

#### 4.1.1 Test Result

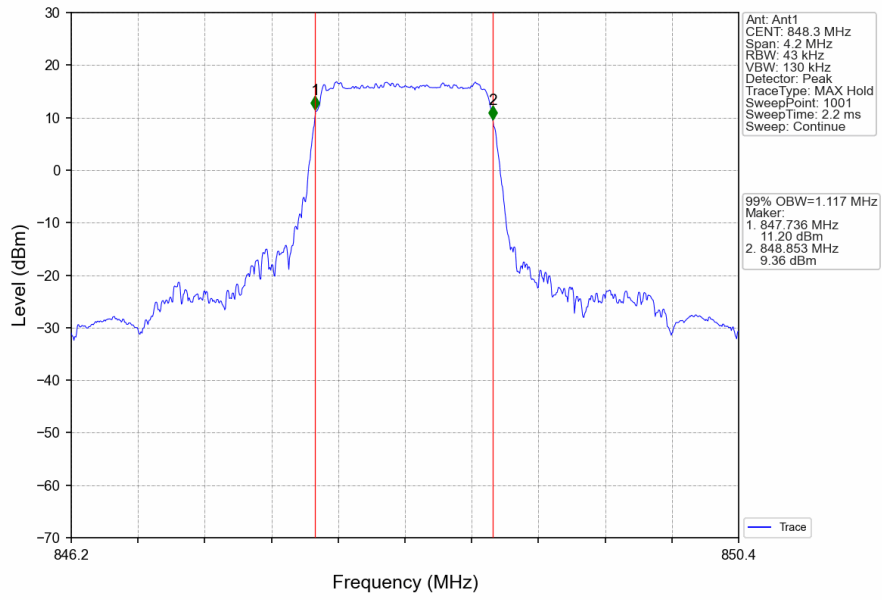
Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.118	Pass
		836.5	6	0	1.116	Pass
		848.3	6	0	1.117	Pass
	16QAM	824.7	6	0	1.116	Pass
		836.5	6	0	1.120	Pass
		848.3	6	0	1.111	Pass
3	QPSK	825.5	15	0	2.754	Pass
		836.5	15	0	2.764	Pass
		847.5	15	0	2.773	Pass
	16QAM	825.5	15	0	2.757	Pass
		836.5	15	0	2.773	Pass
		847.5	15	0	2.778	Pass
5	QPSK	826.5	25	0	4.588	Pass
		836.5	25	0	4.563	Pass
		846.5	25	0	4.567	Pass
	16QAM	826.5	25	0	4.568	Pass
		836.5	25	0	4.573	Pass
		846.5	25	0	4.606	Pass
10	QPSK	829	50	0	9.055	Pass
		836.5	50	0	9.062	Pass
		844	50	0	9.101	Pass
	16QAM	829	50	0	9.036	Pass
		836.5	50	0	9.064	Pass
		844	50	0	9.108	Pass



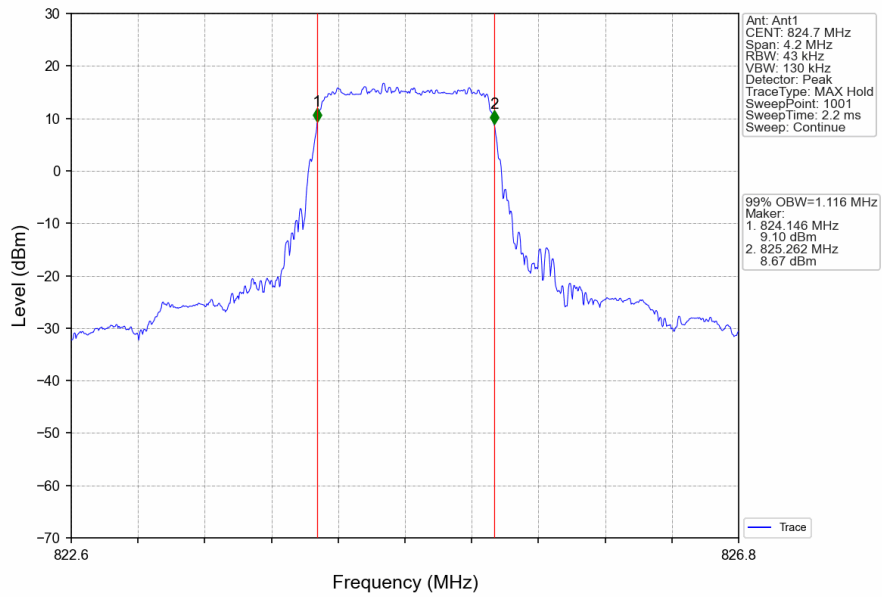
### 4.1.2 Test Graph



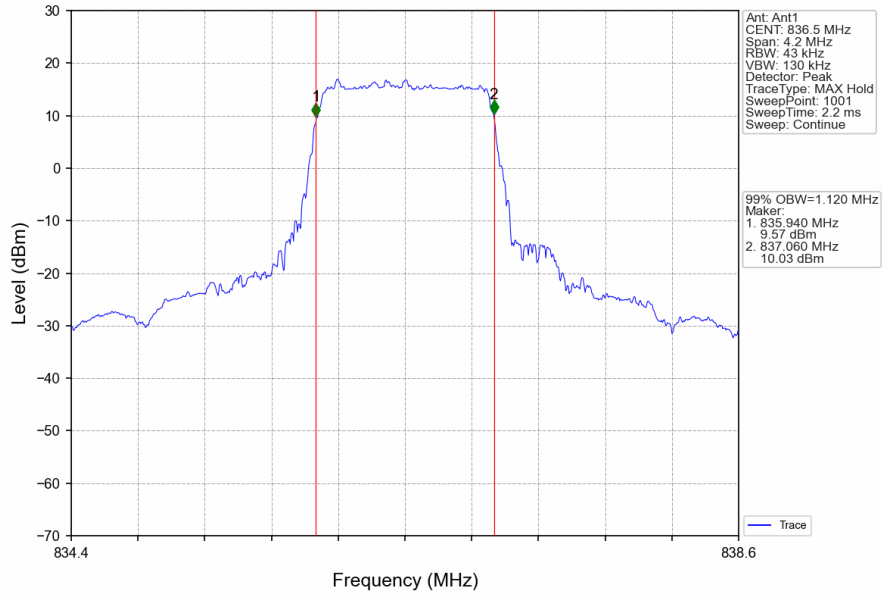
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



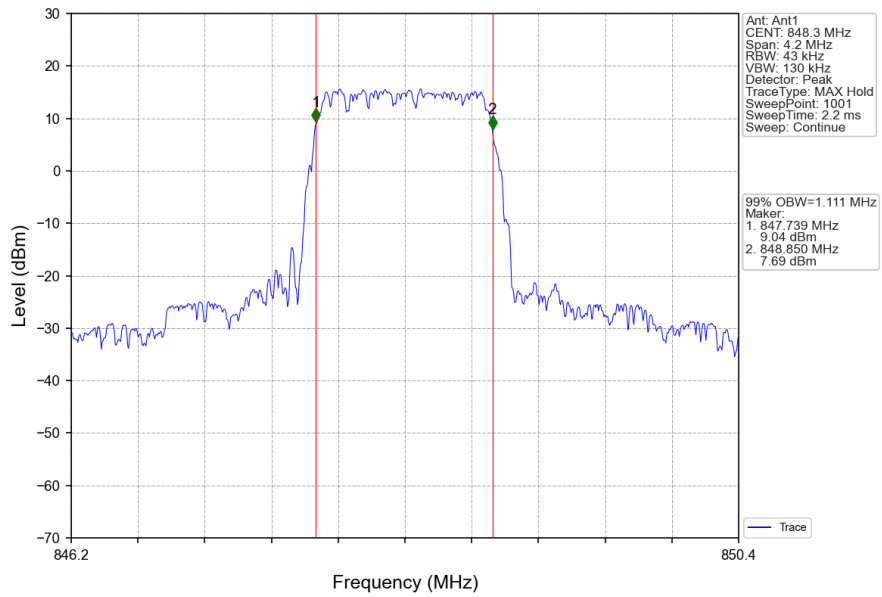
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



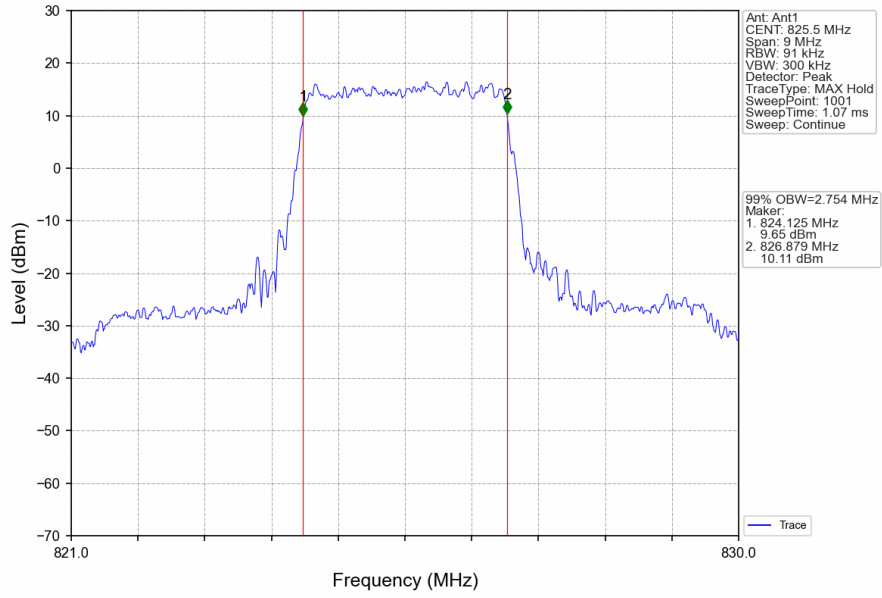
Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



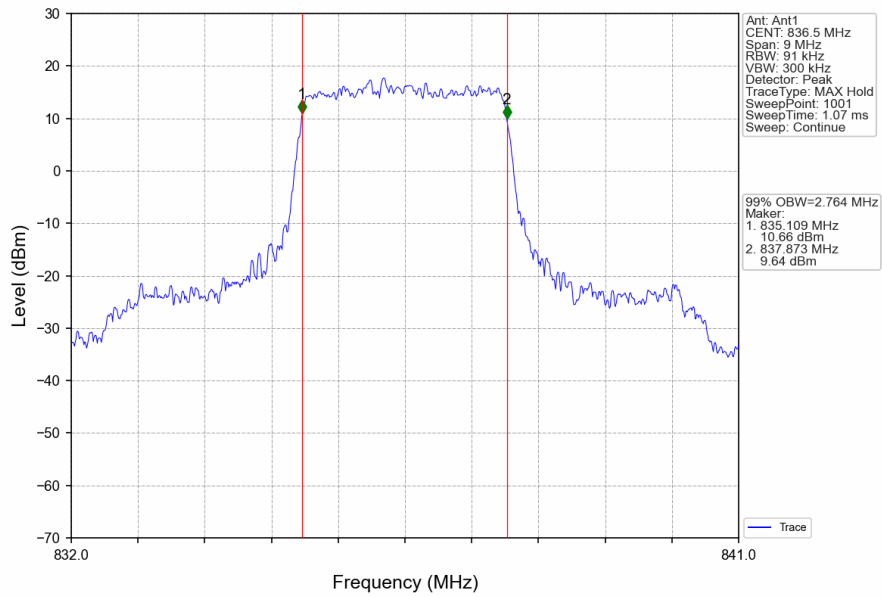
Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



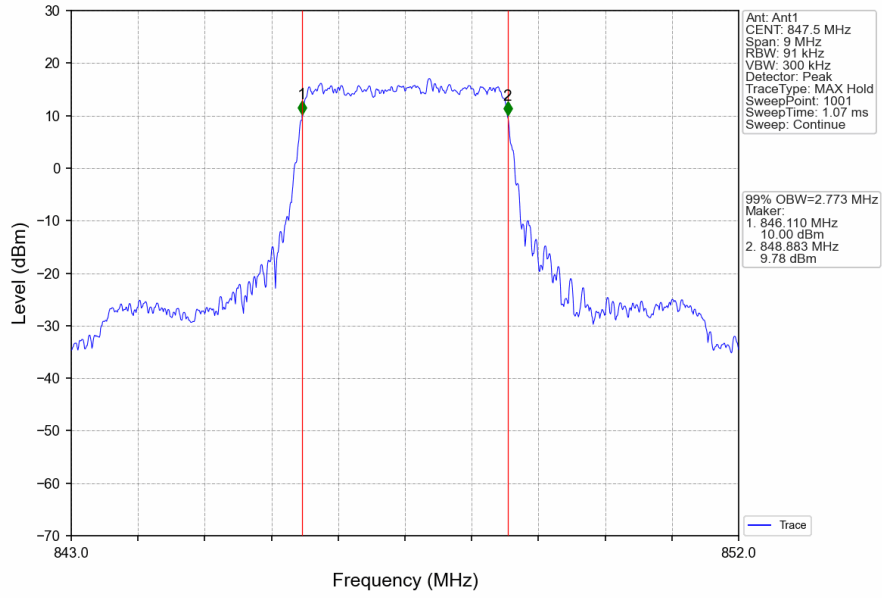
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



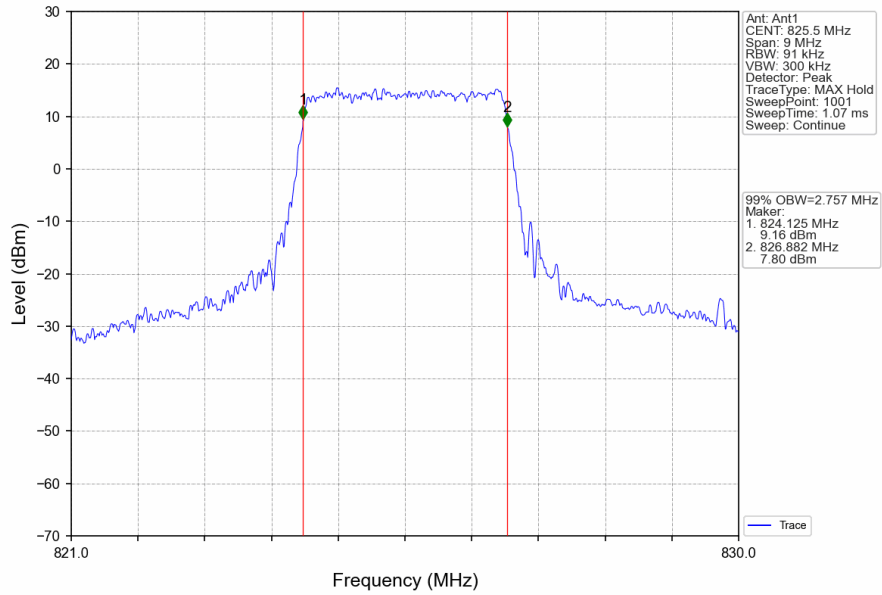
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



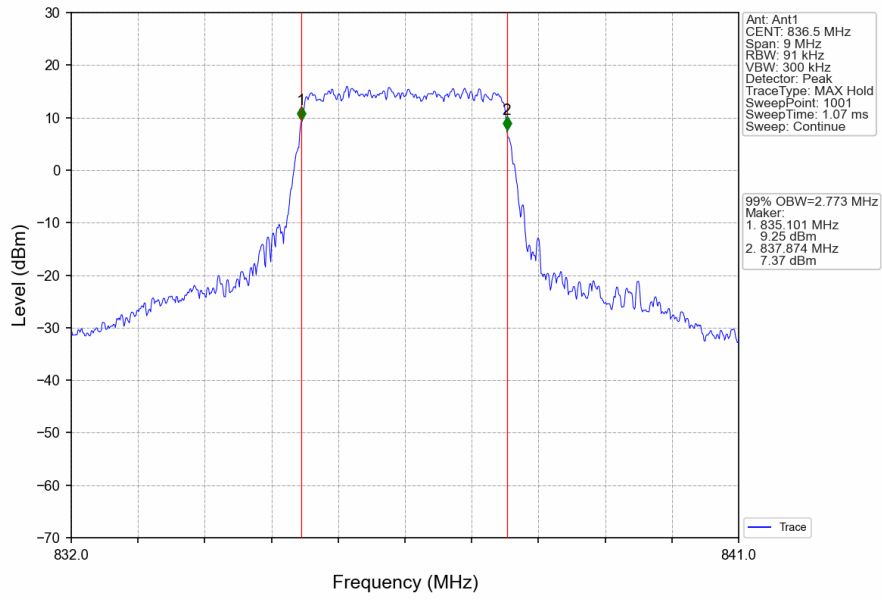
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



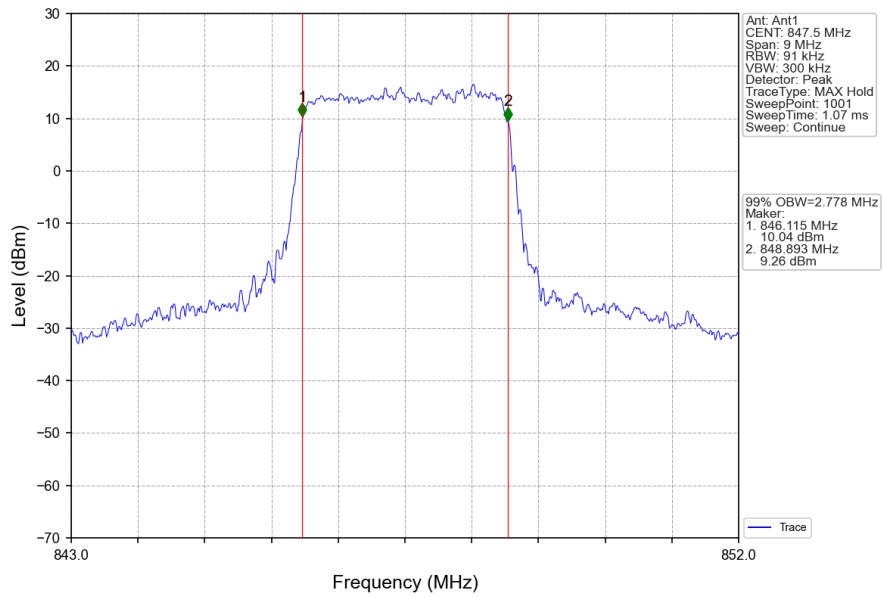
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



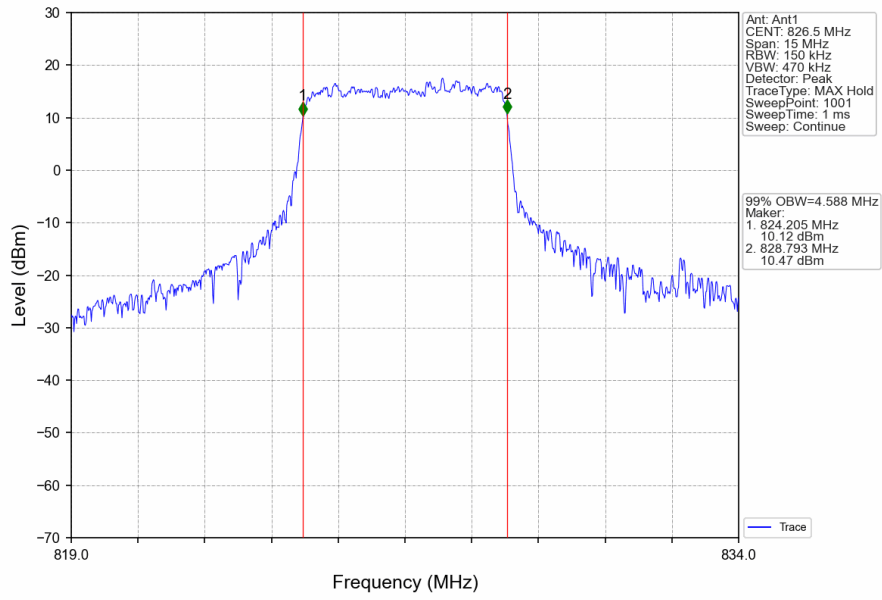
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



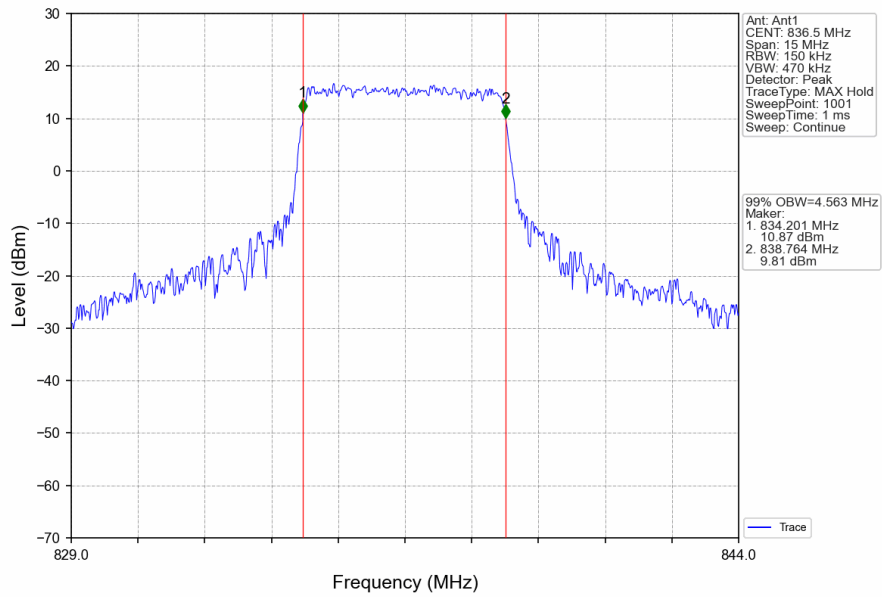
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



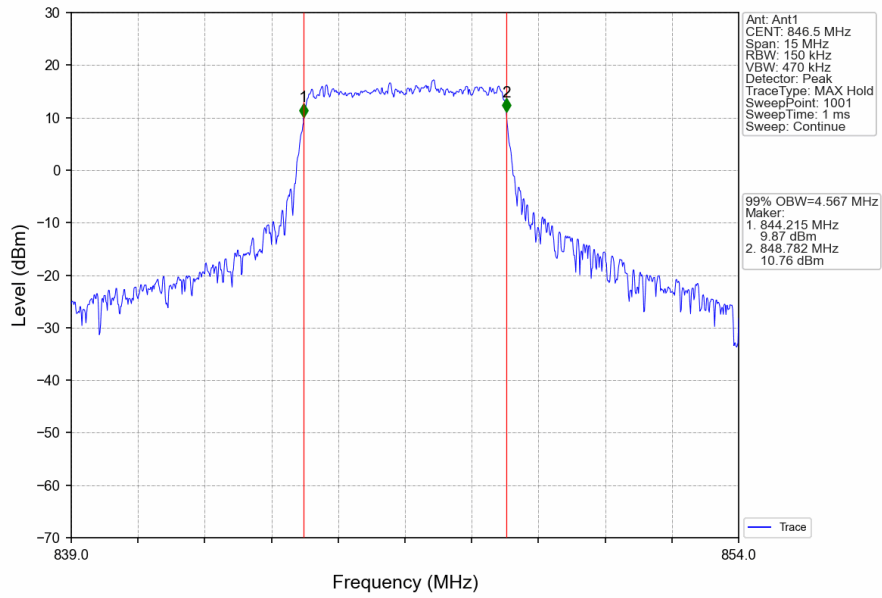
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



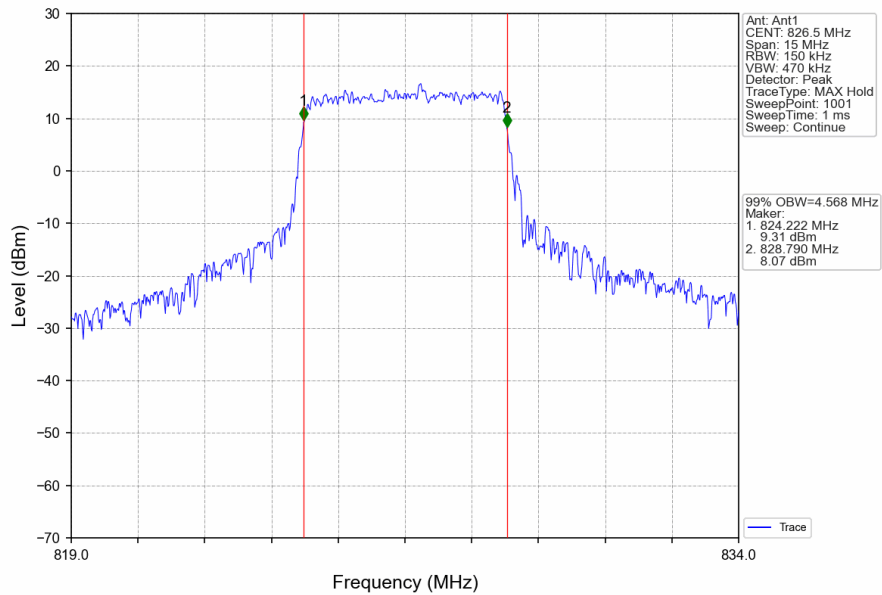
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

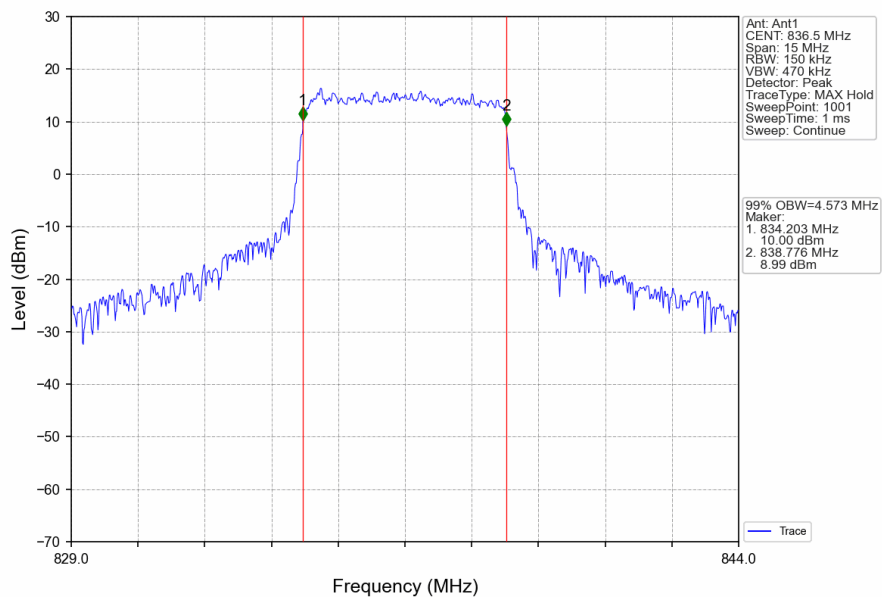


Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

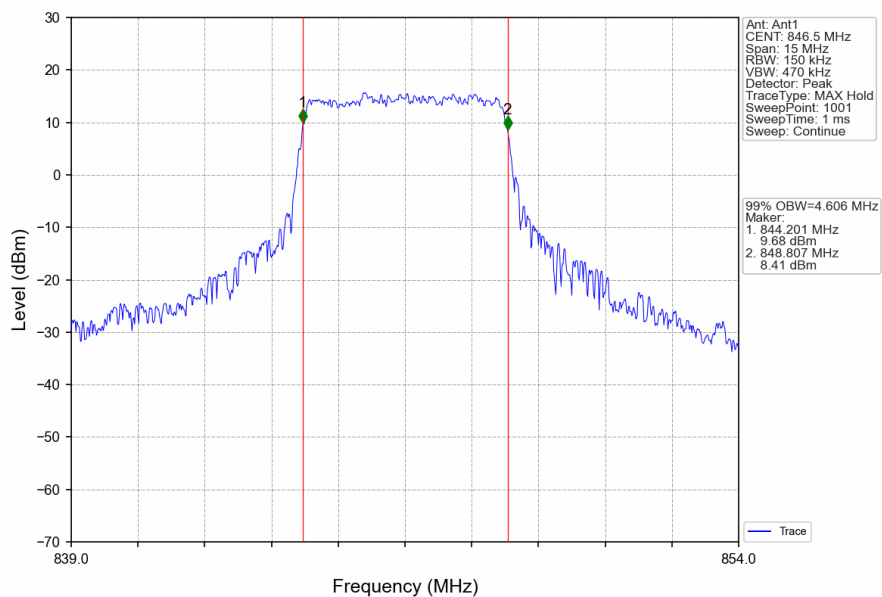




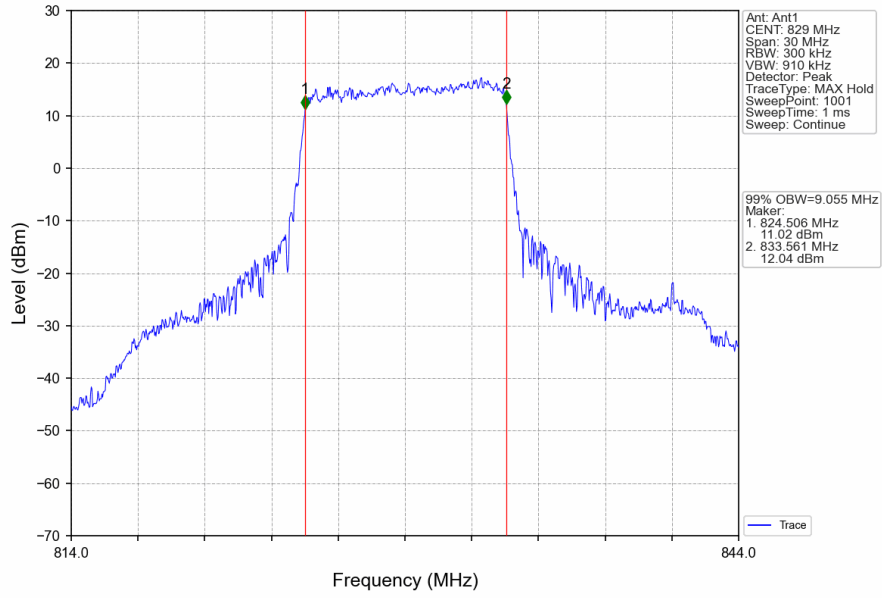
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



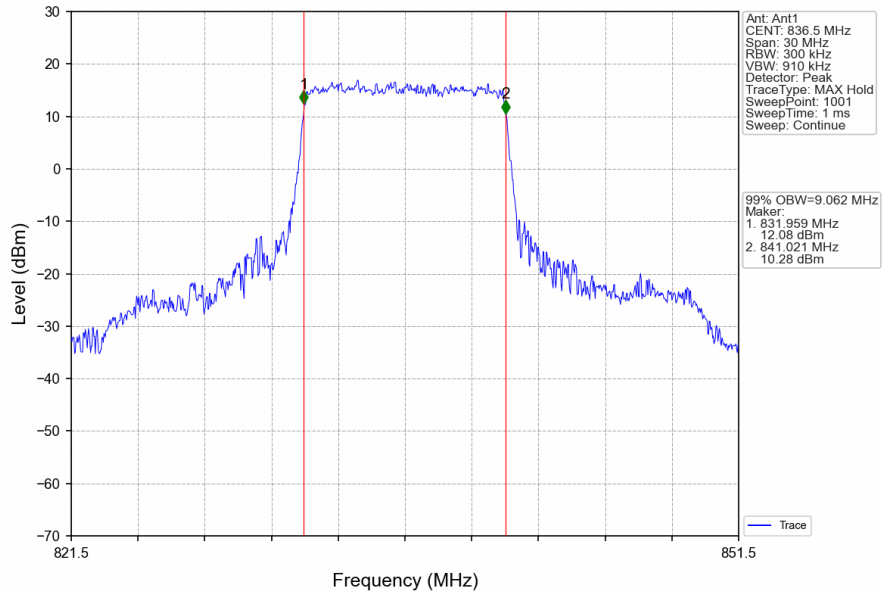
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



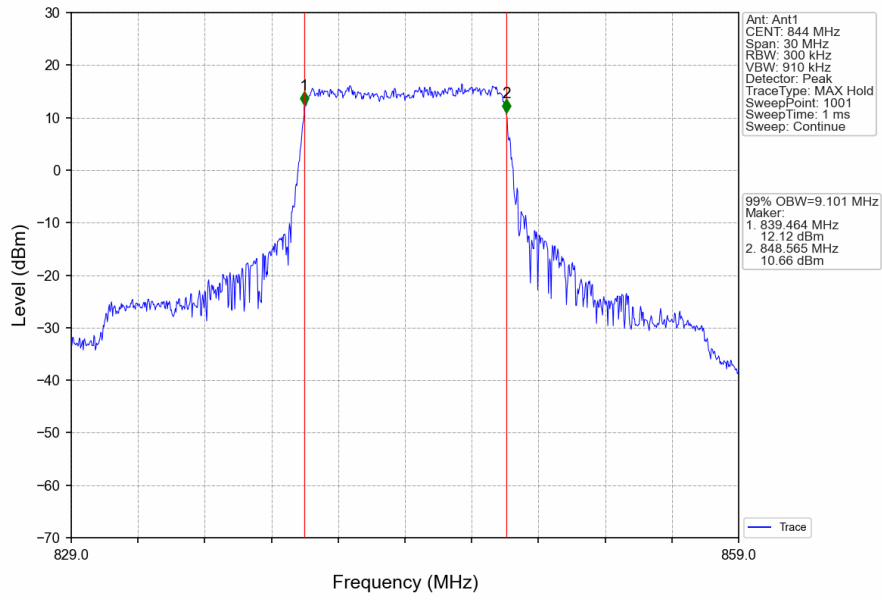
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



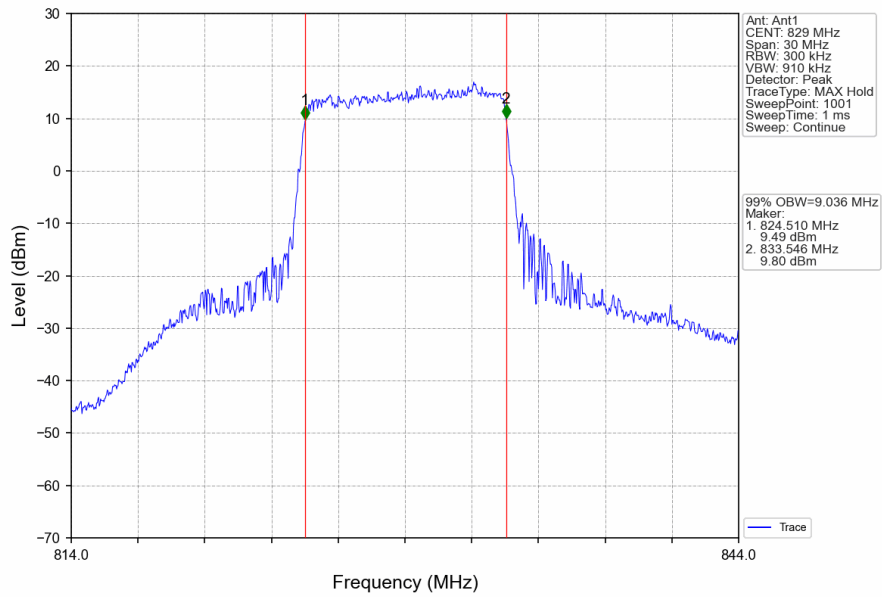
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



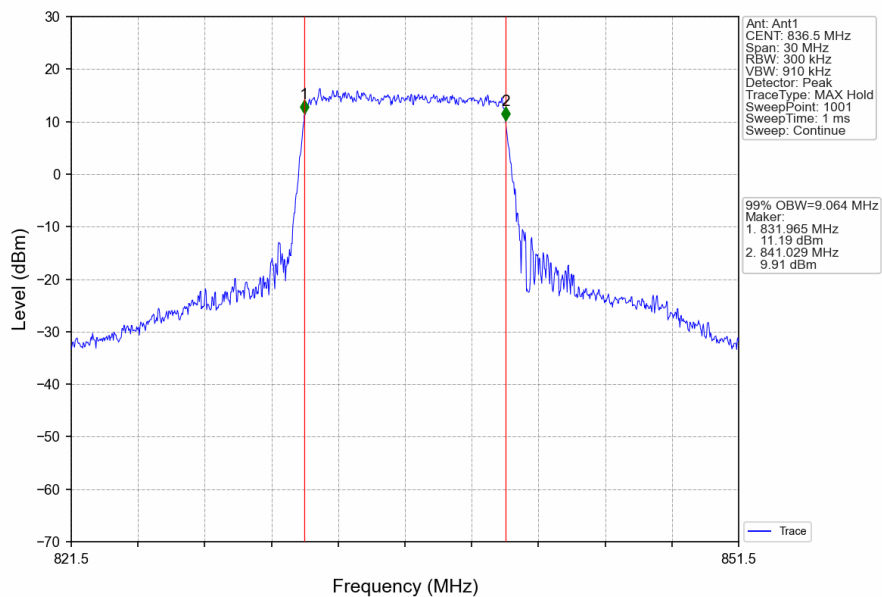
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



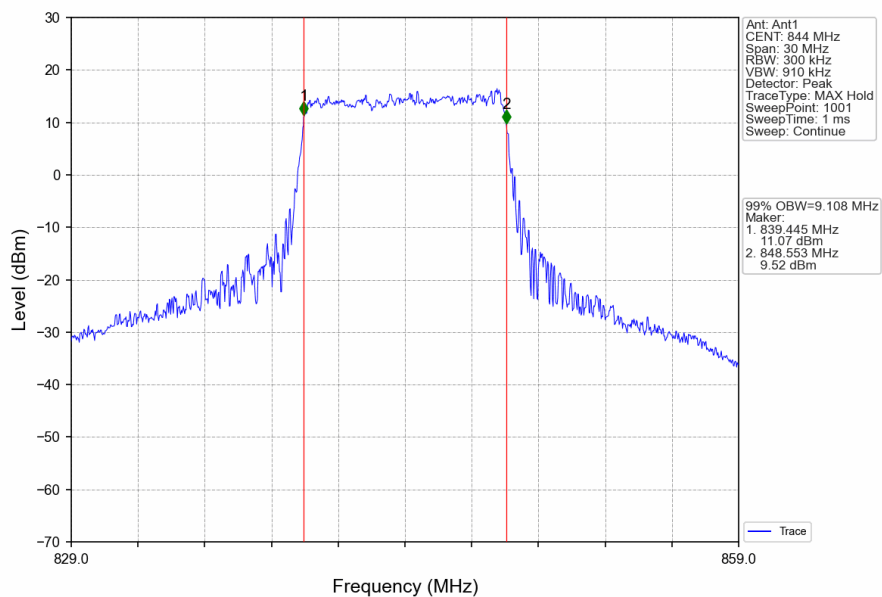
Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV

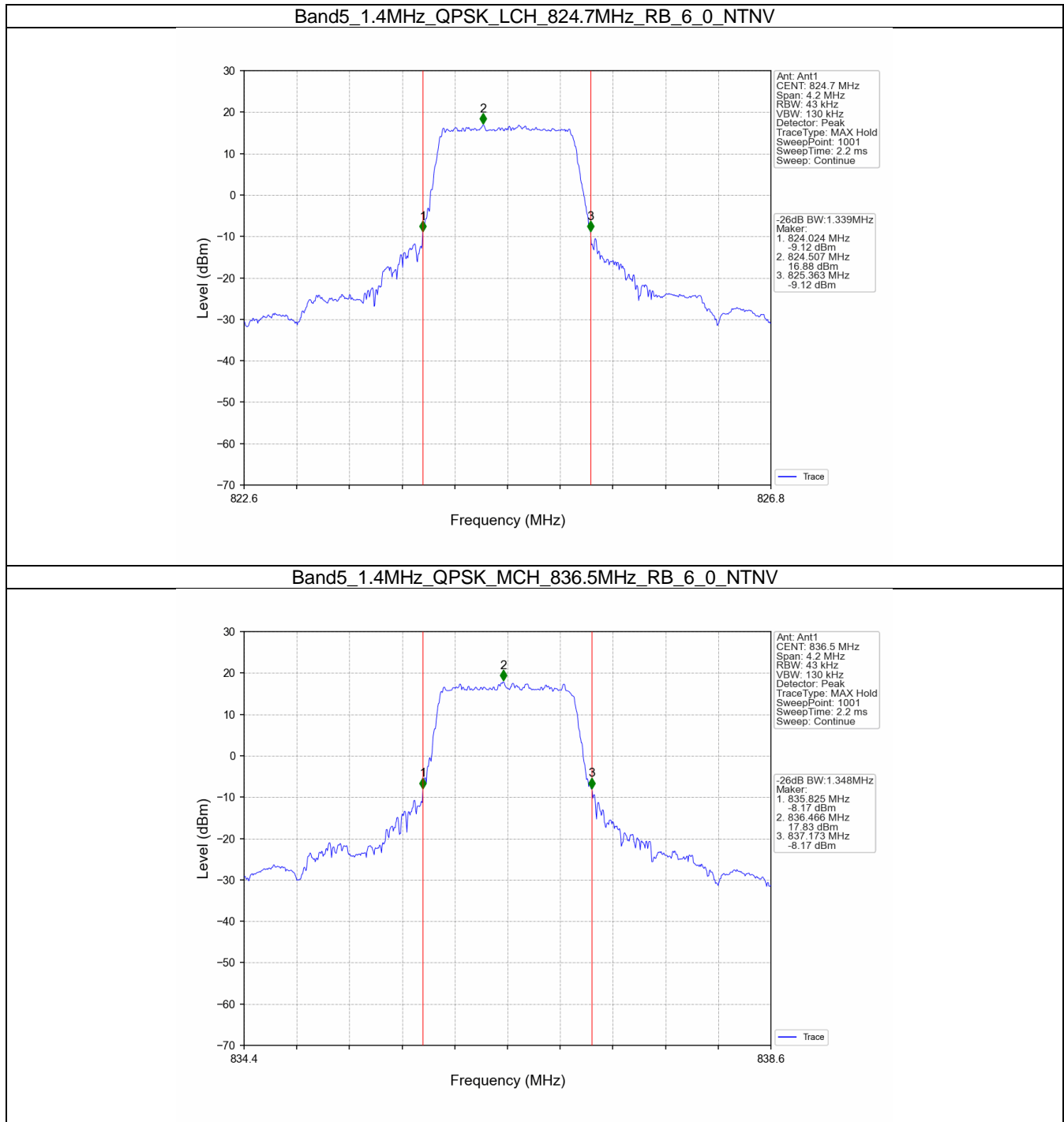


## 4.2 Band5\_XDB

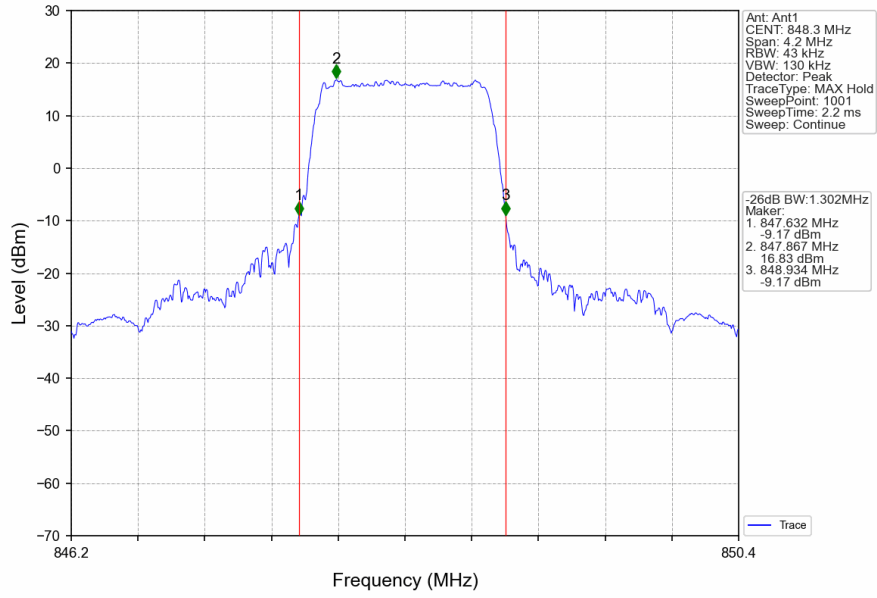
### 4.2.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.339	Pass
		836.5	6	0	1.348	Pass
		848.3	6	0	1.302	Pass
	16QAM	824.7	6	0	1.342	Pass
		836.5	6	0	1.312	Pass
		848.3	6	0	1.289	Pass
3	QPSK	825.5	15	0	3.149	Pass
		836.5	15	0	3.108	Pass
		847.5	15	0	3.116	Pass
	16QAM	825.5	15	0	3.316	Pass
		836.5	15	0	3.211	Pass
		847.5	15	0	3.120	Pass
5	QPSK	826.5	25	0	5.499	Pass
		836.5	25	0	5.473	Pass
		846.5	25	0	5.688	Pass
	16QAM	826.5	25	0	5.481	Pass
		836.5	25	0	5.486	Pass
		846.5	25	0	5.740	Pass
10	QPSK	829	50	0	10.257	Pass
		836.5	50	0	10.155	Pass
		844	50	0	10.561	Pass
	16QAM	829	50	0	10.275	Pass
		836.5	50	0	10.169	Pass
		844	50	0	10.757	Pass

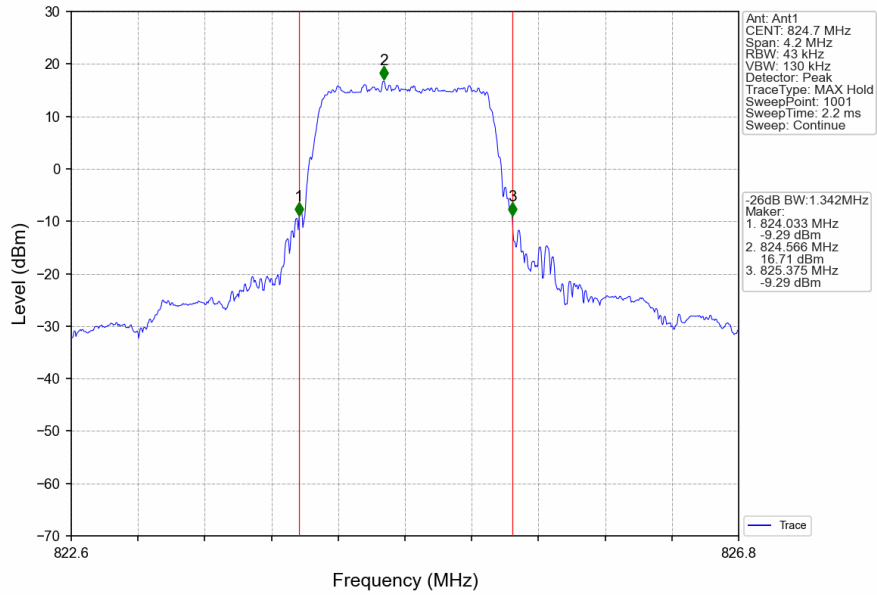
## 4.2.2 Test Graph



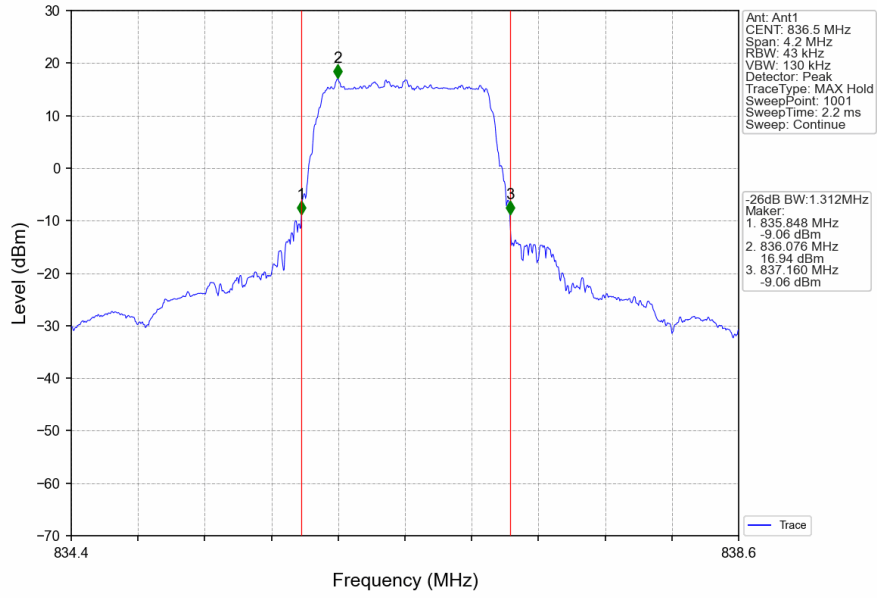
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



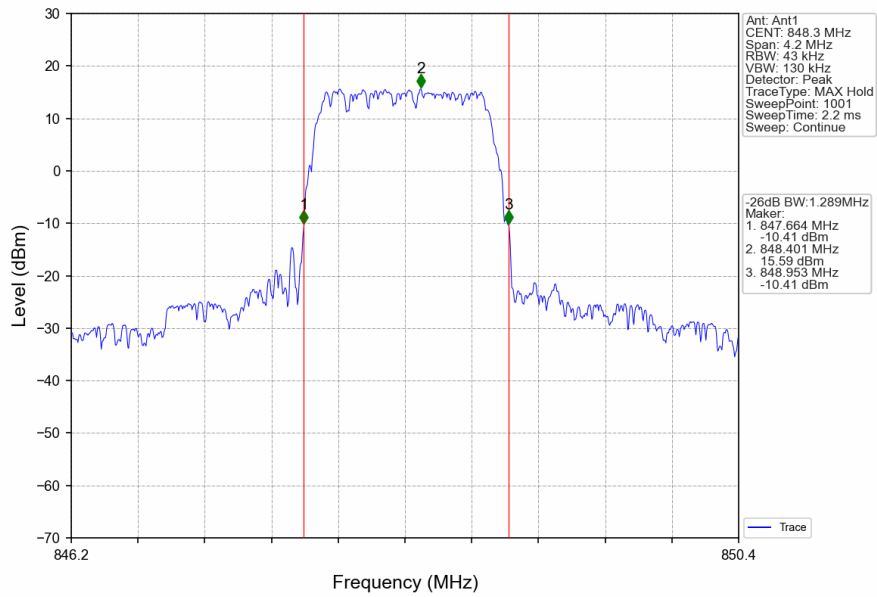
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV

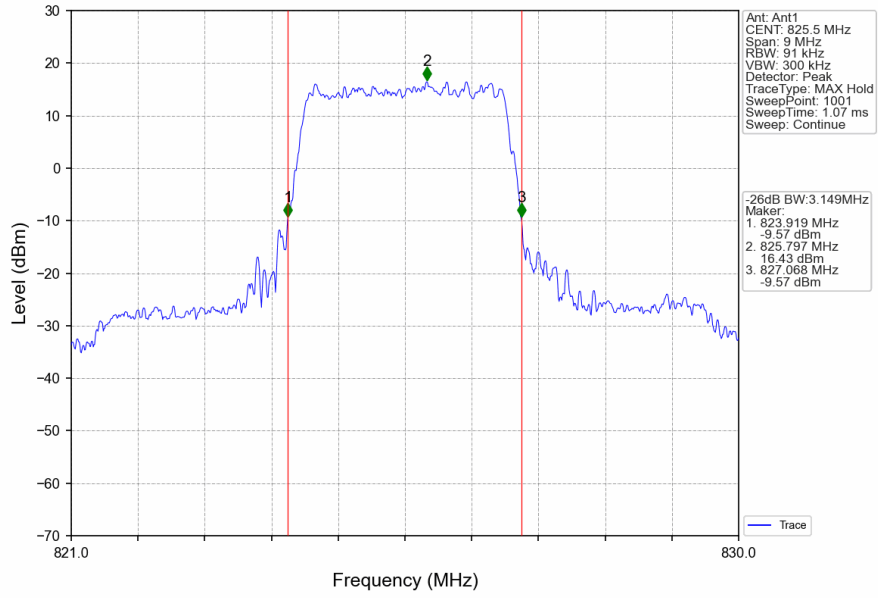


Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

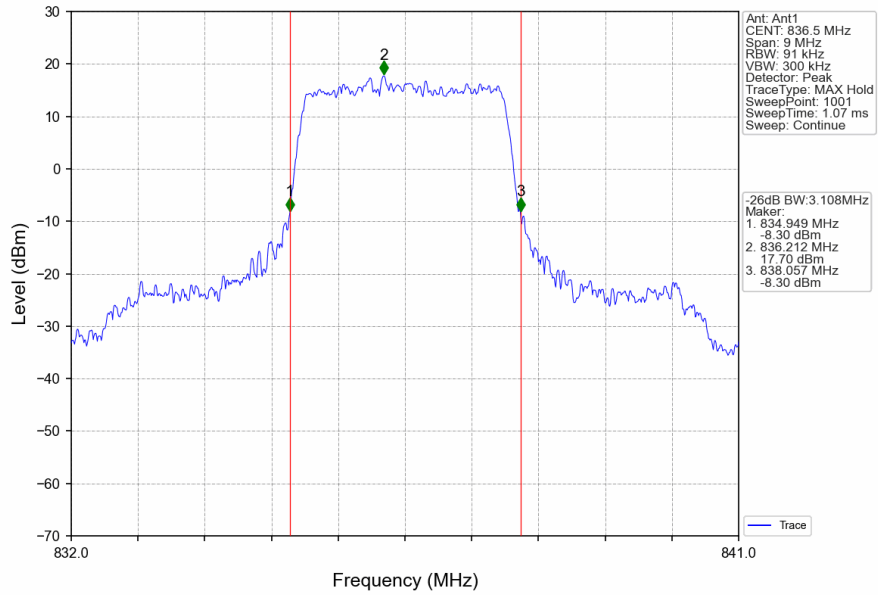




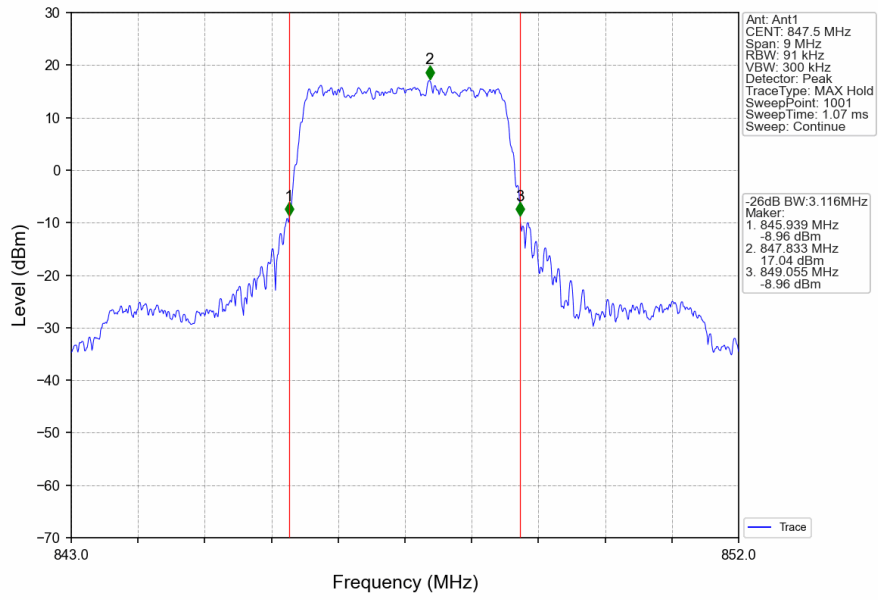
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



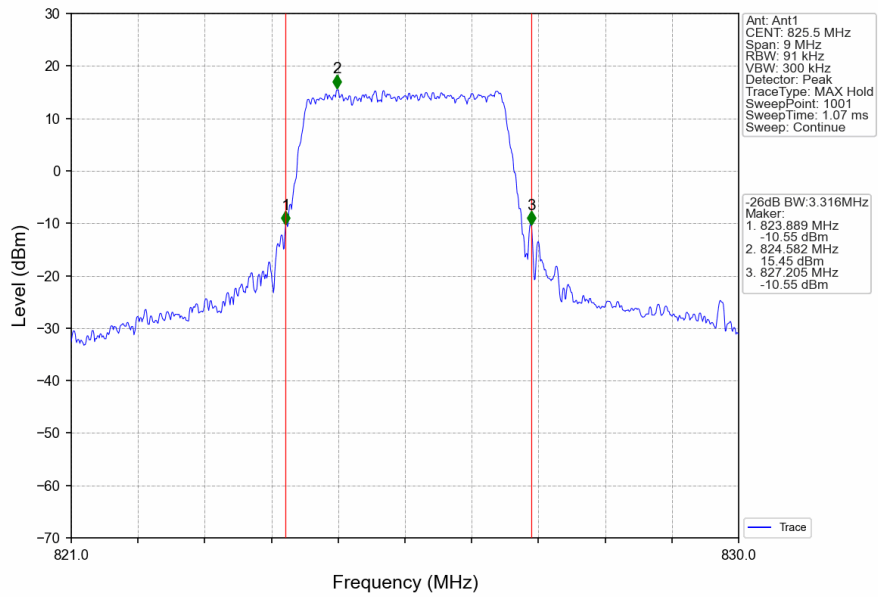
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



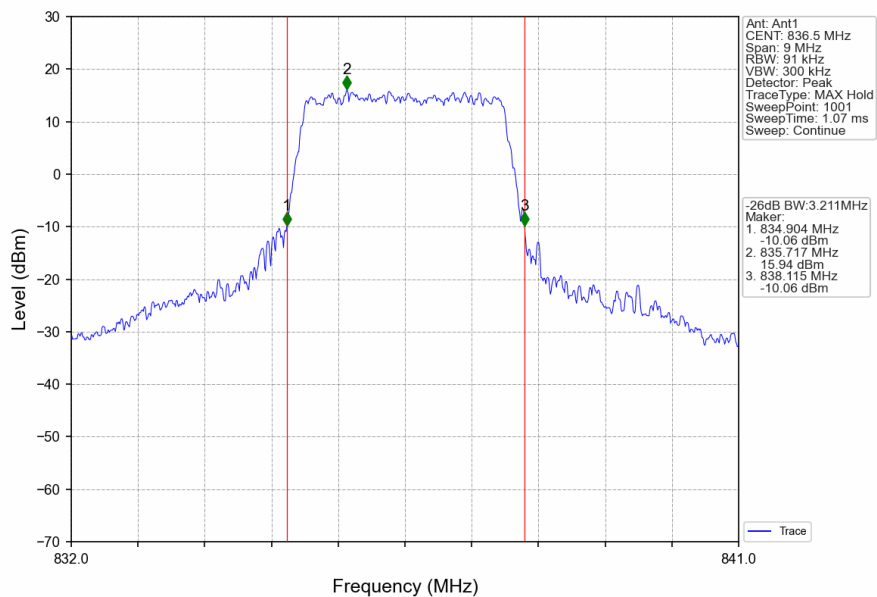
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



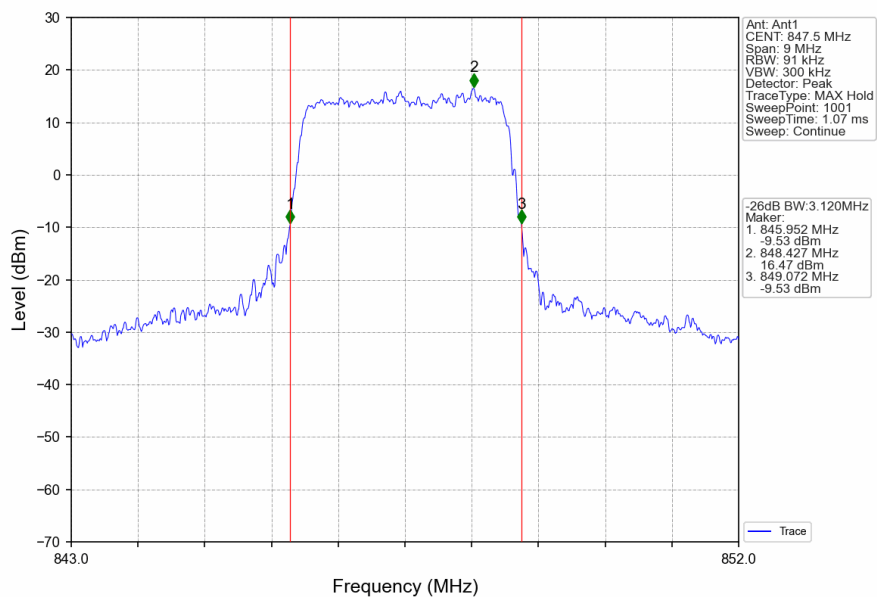
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



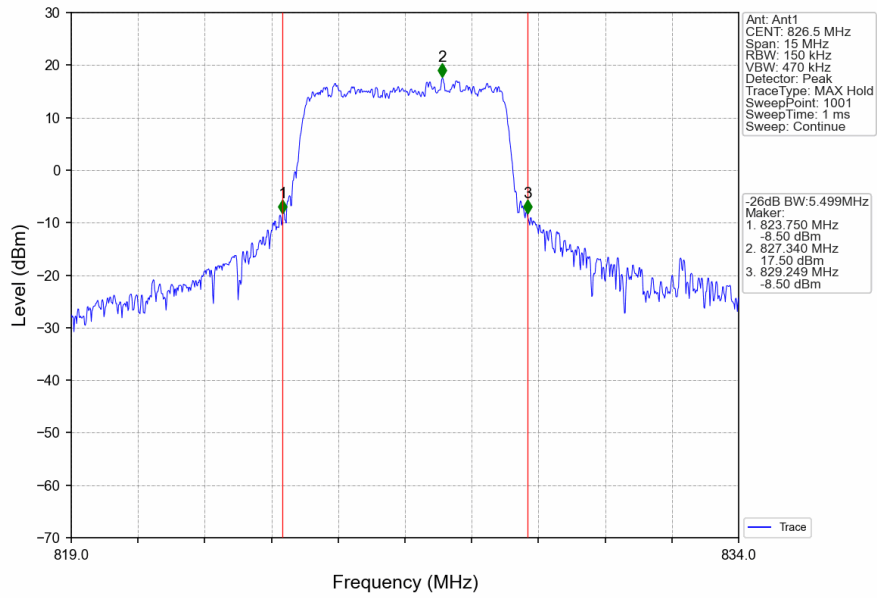
Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



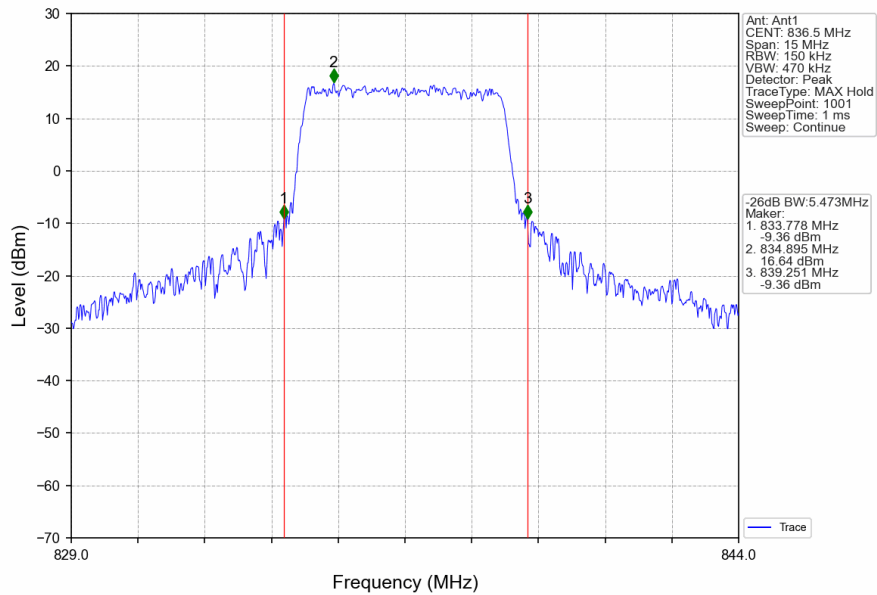
Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



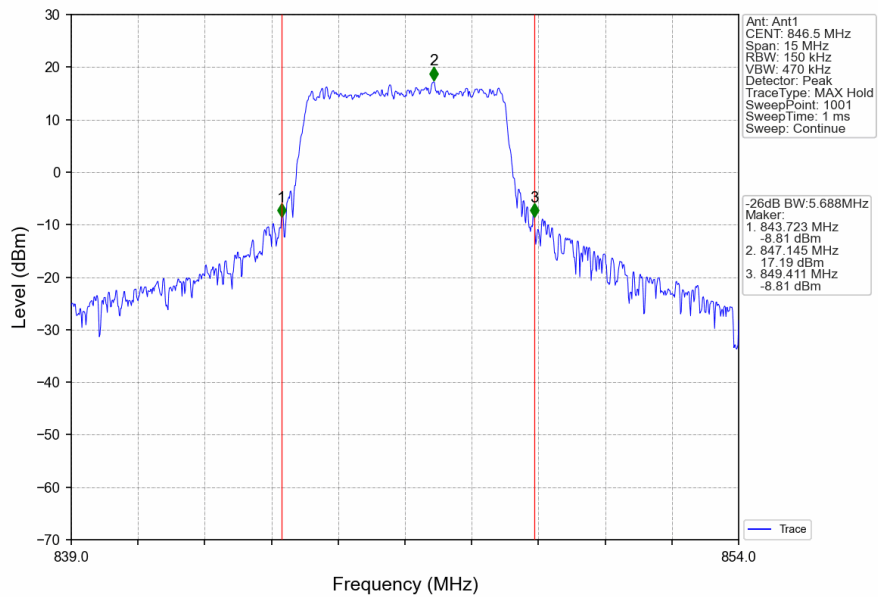
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



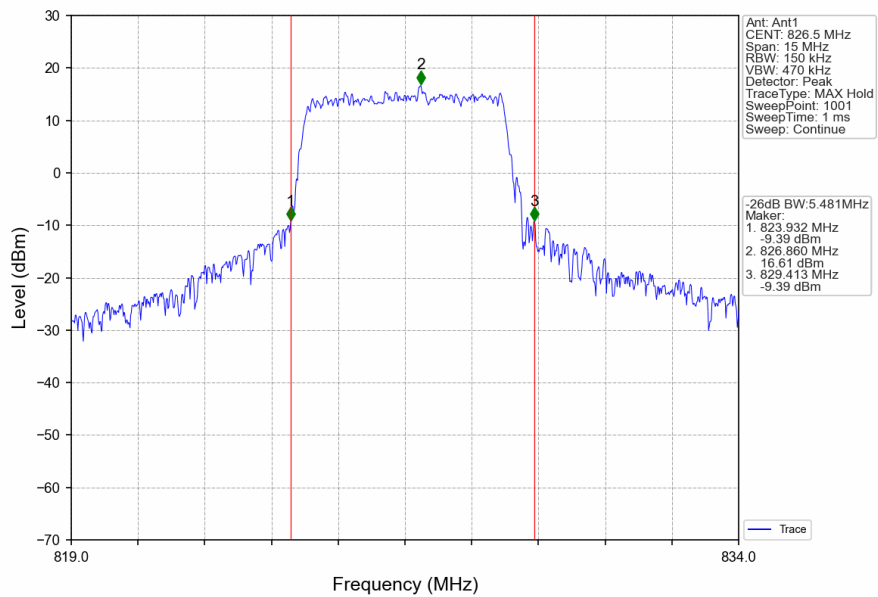
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



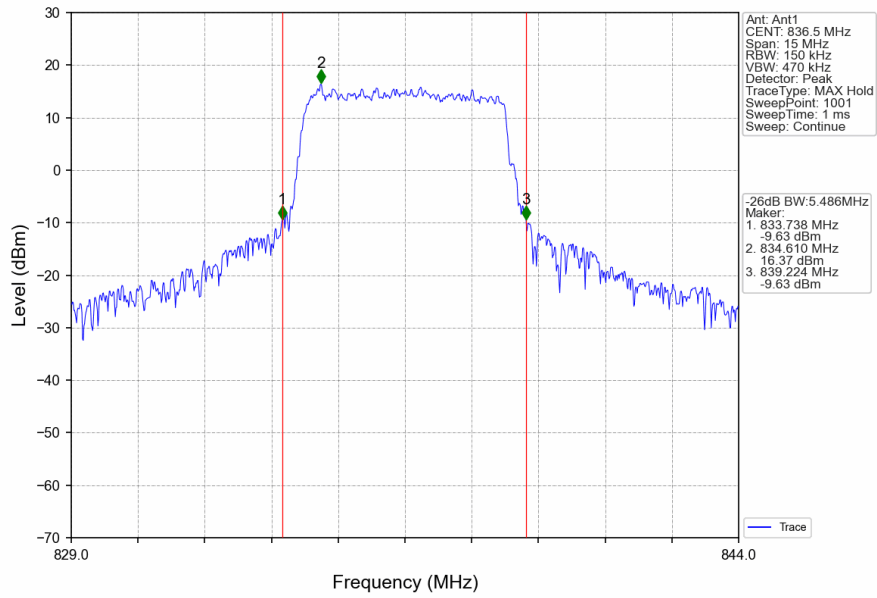
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



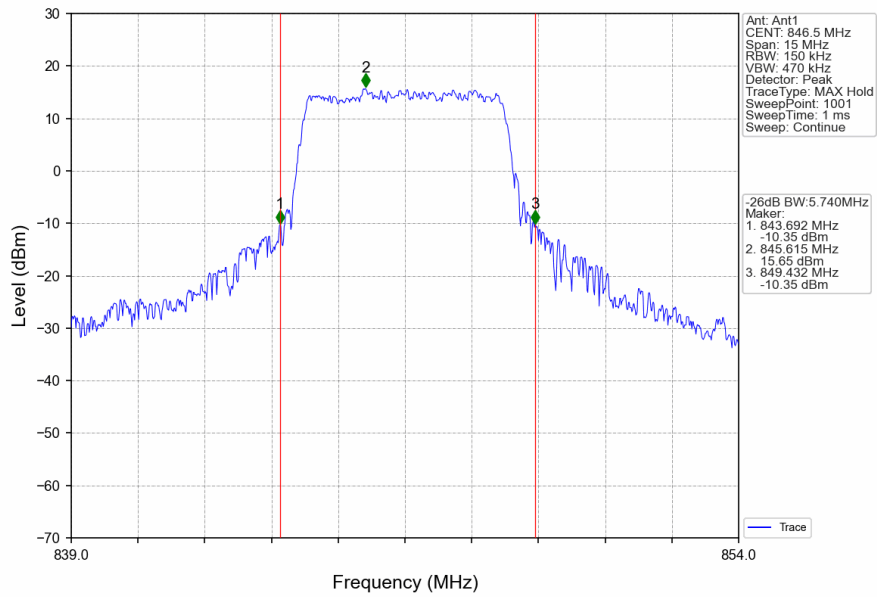
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



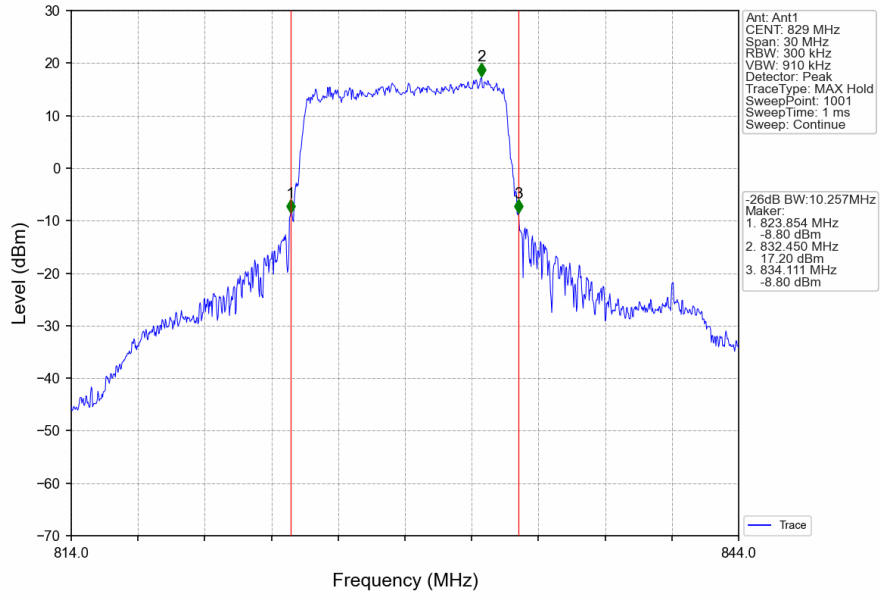
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



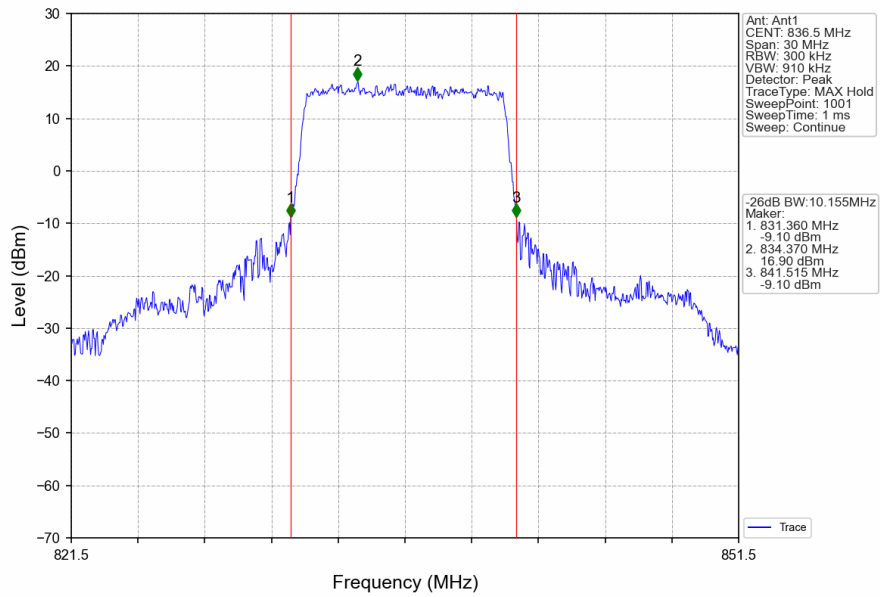
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



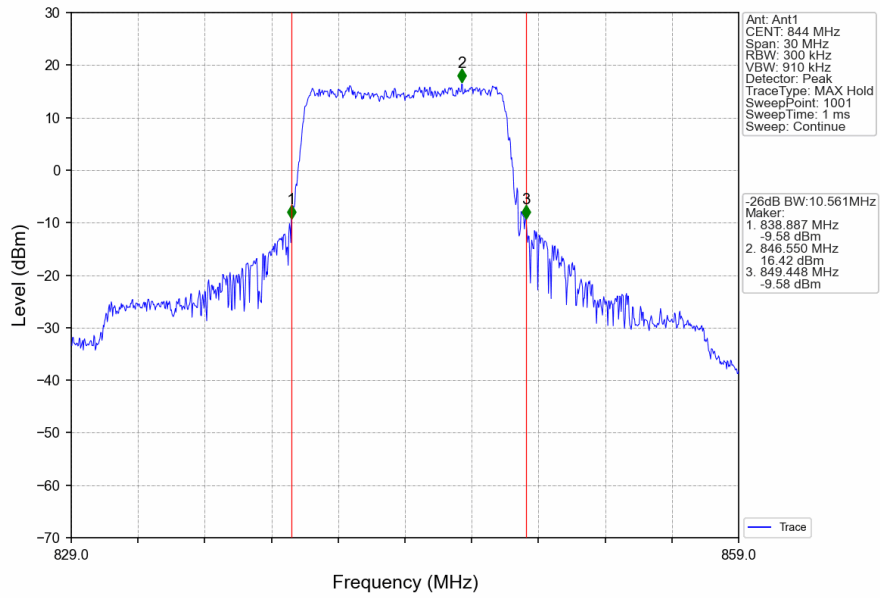
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



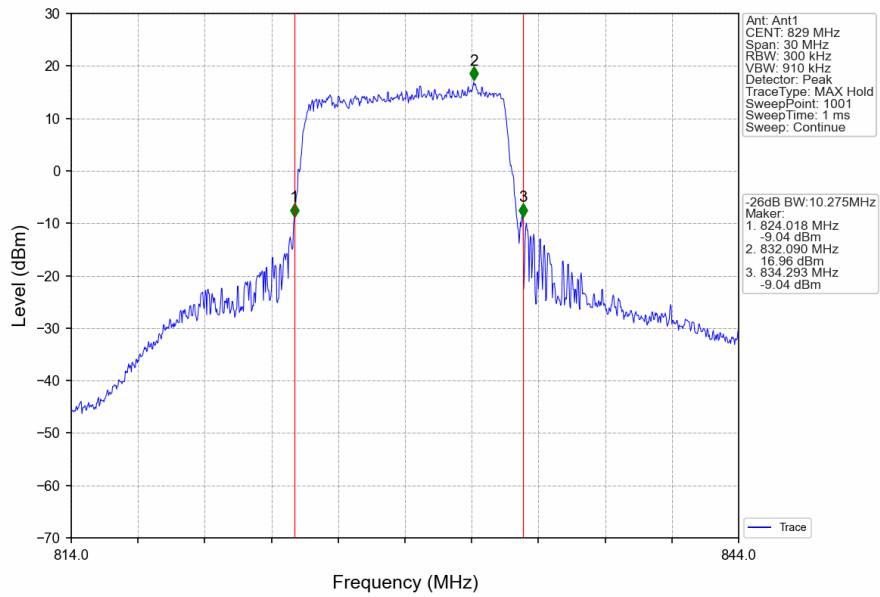
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV

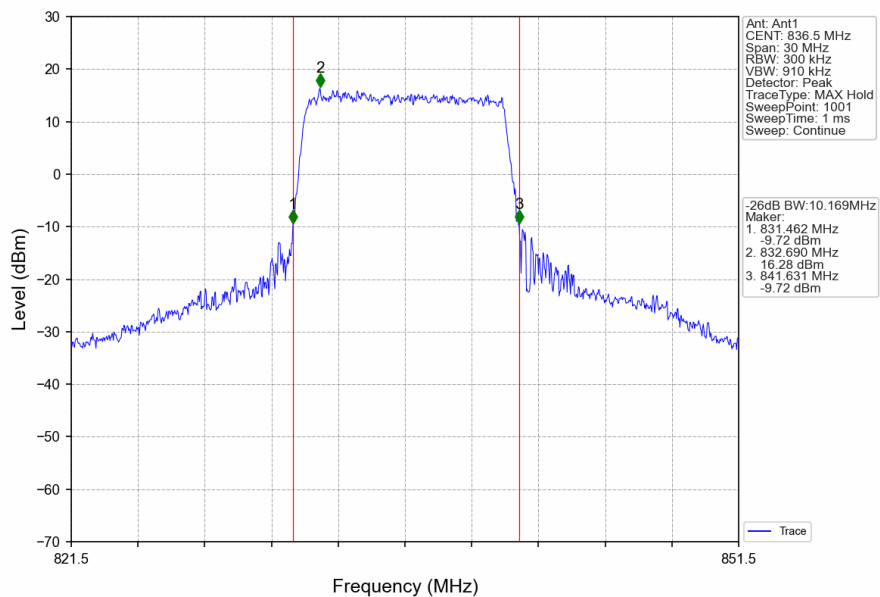


Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV

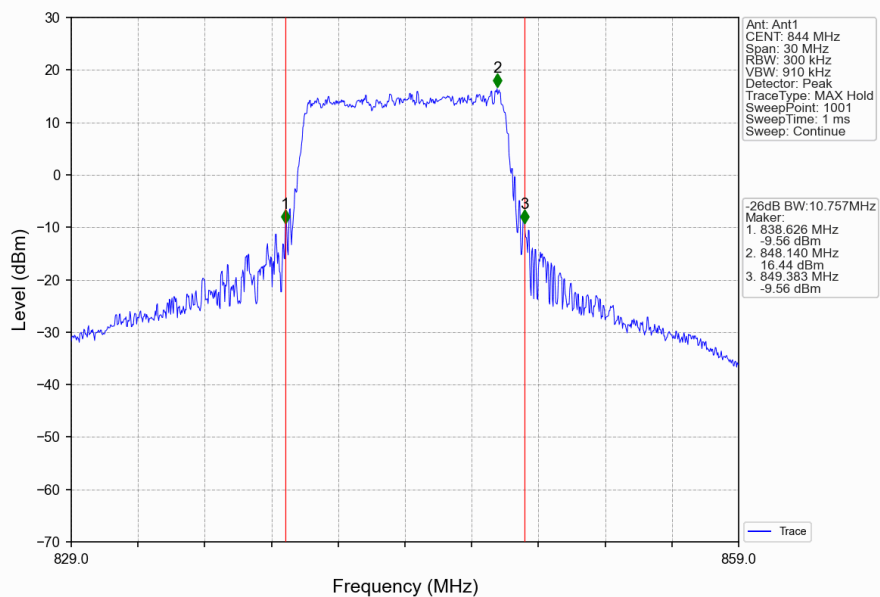




Band5\_10MHz\_16QAM\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_HCH\_844MHz\_RB\_50\_0\_NTNV



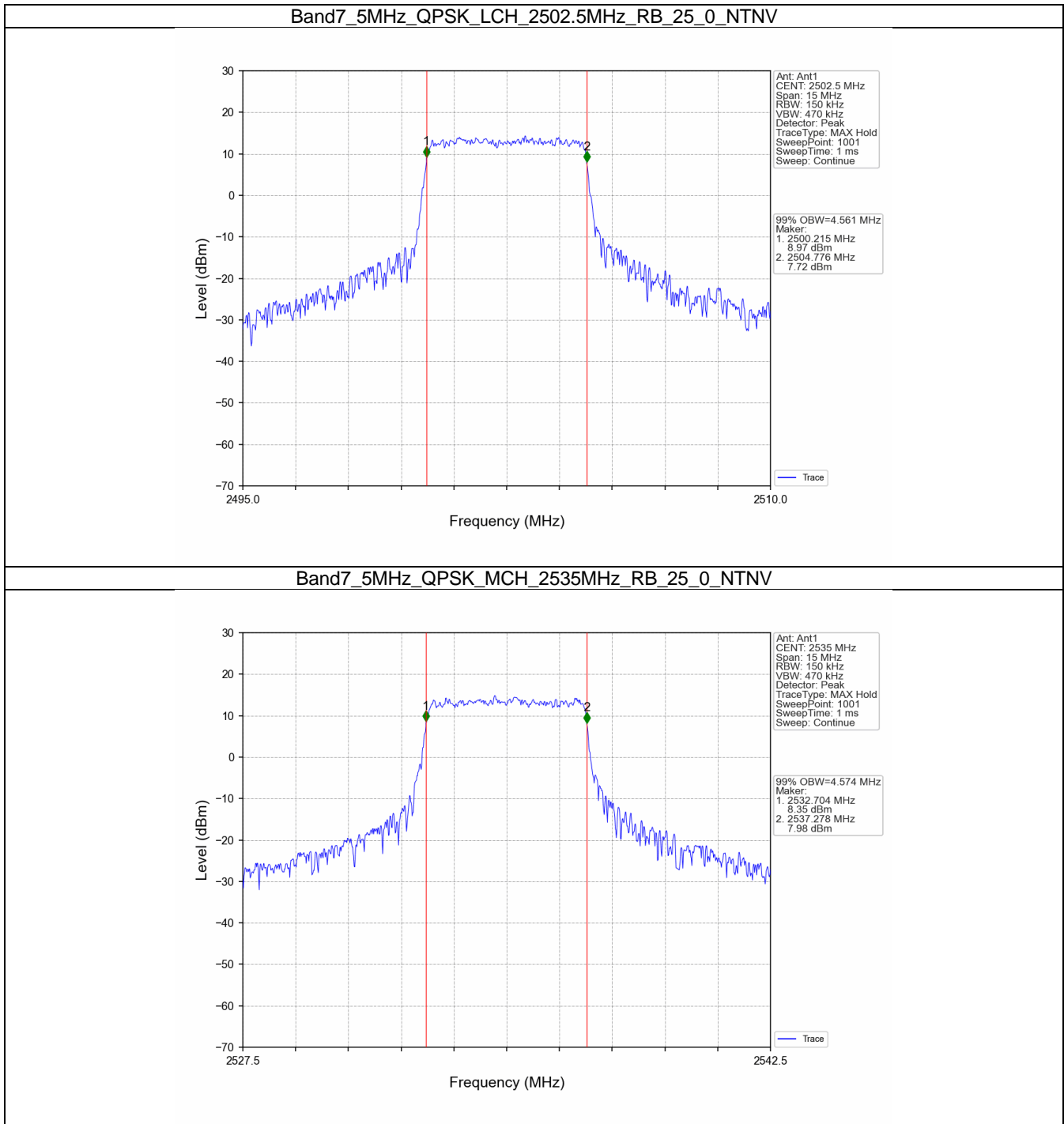
## 5. 99% & 26dB Bandwidth

### 5.1 Band7\_OBW

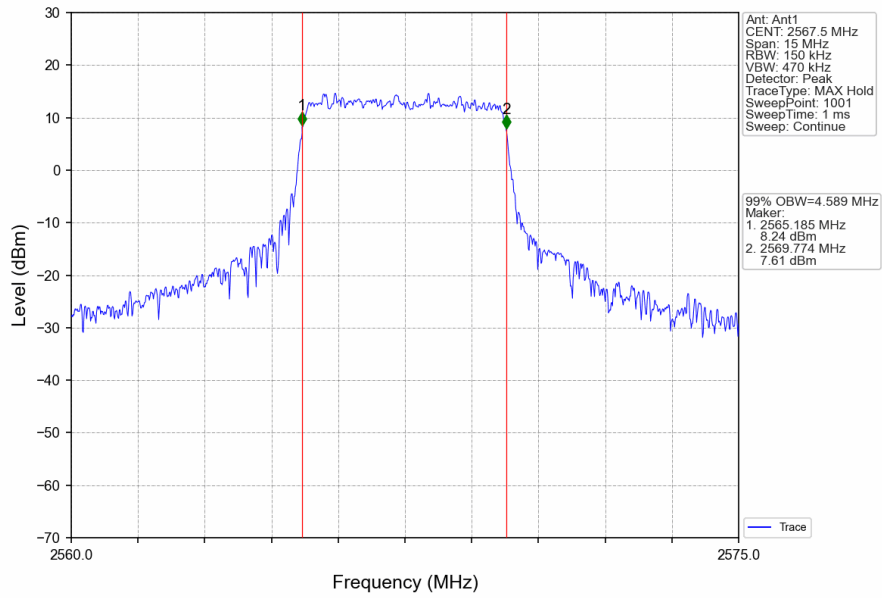
#### 5.1.1 Test Result

Band: 7 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	4.561	Pass
		2535	25	0	4.574	Pass
		2567.5	25	0	4.589	Pass
	16QAM	2502.5	25	0	4.614	Pass
		2535	25	0	4.616	Pass
		2567.5	25	0	4.596	Pass
10	QPSK	2505	50	0	9.074	Pass
		2535	50	0	9.070	Pass
		2565	50	0	9.087	Pass
	16QAM	2505	50	0	9.071	Pass
		2535	50	0	9.063	Pass
		2565	50	0	9.105	Pass
15	QPSK	2507.5	75	0	13.646	Pass
		2535	75	0	13.588	Pass
		2562.5	75	0	13.641	Pass
	16QAM	2507.5	75	0	13.571	Pass
		2535	75	0	13.665	Pass
		2562.5	75	0	13.627	Pass
20	QPSK	2510	100	0	18.129	Pass
		2535	100	0	18.164	Pass
		2560	100	0	18.163	Pass
	16QAM	2510	100	0	18.202	Pass
		2535	100	0	18.171	Pass
		2560	100	0	18.163	Pass

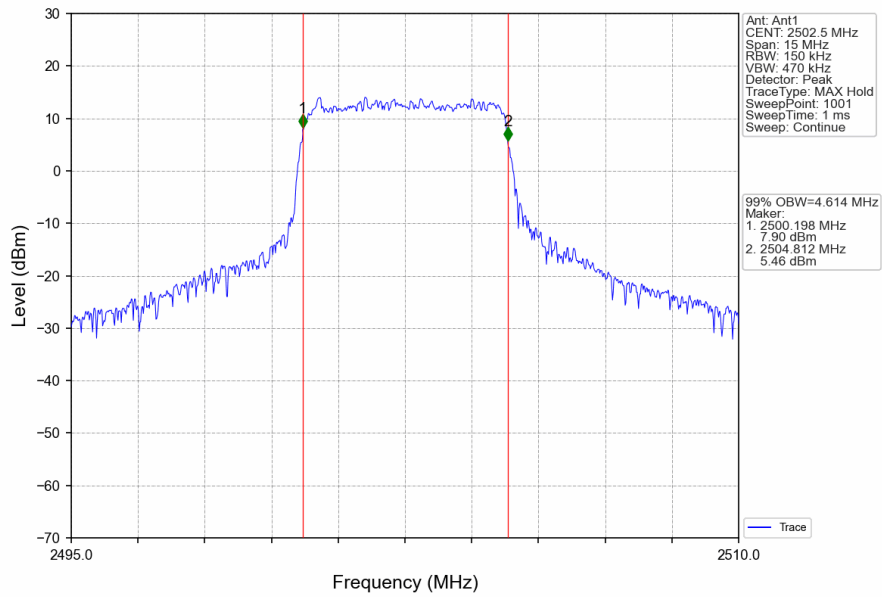
### 5.1.2 Test Graph



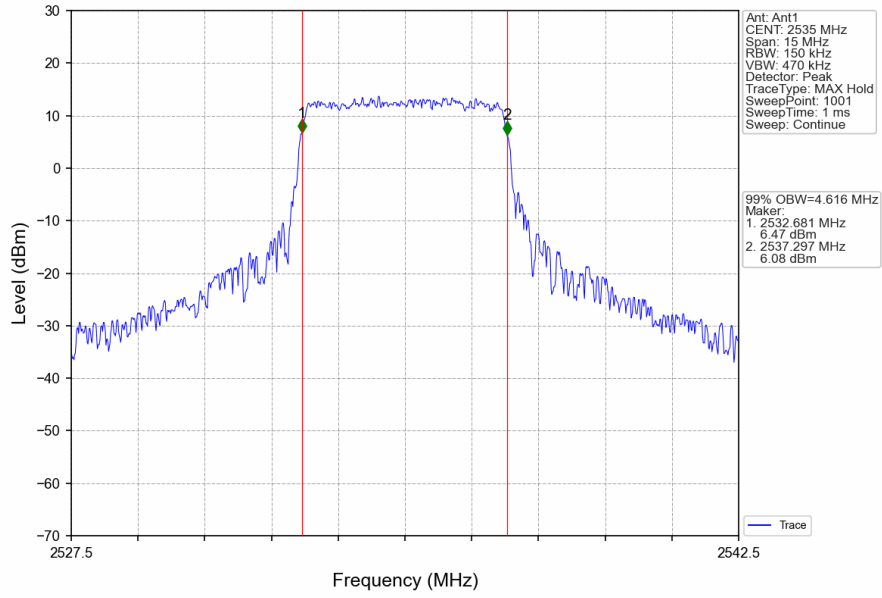
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



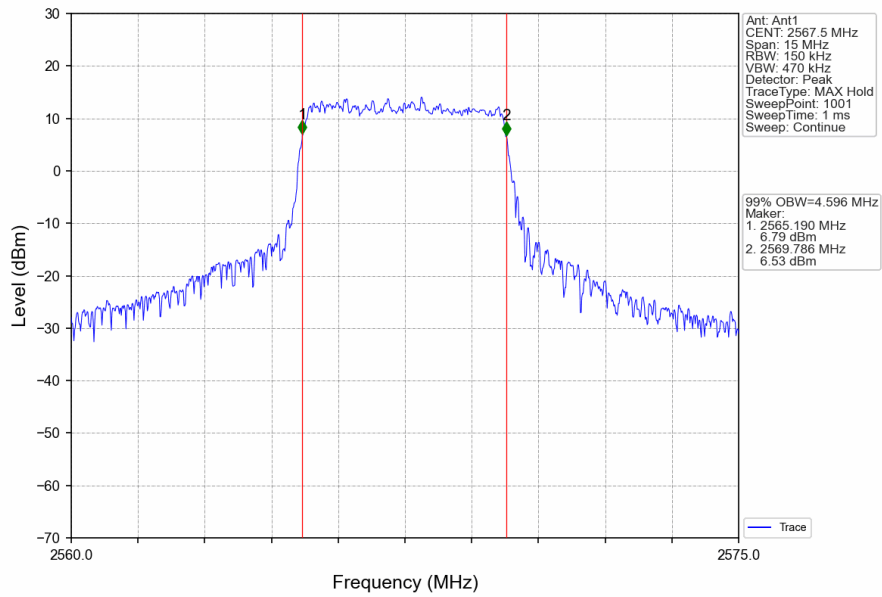
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



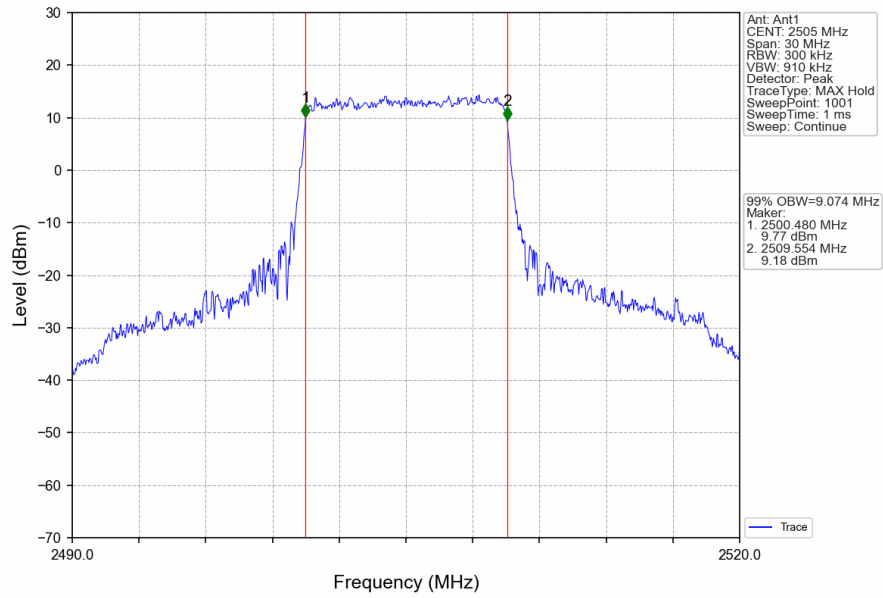
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



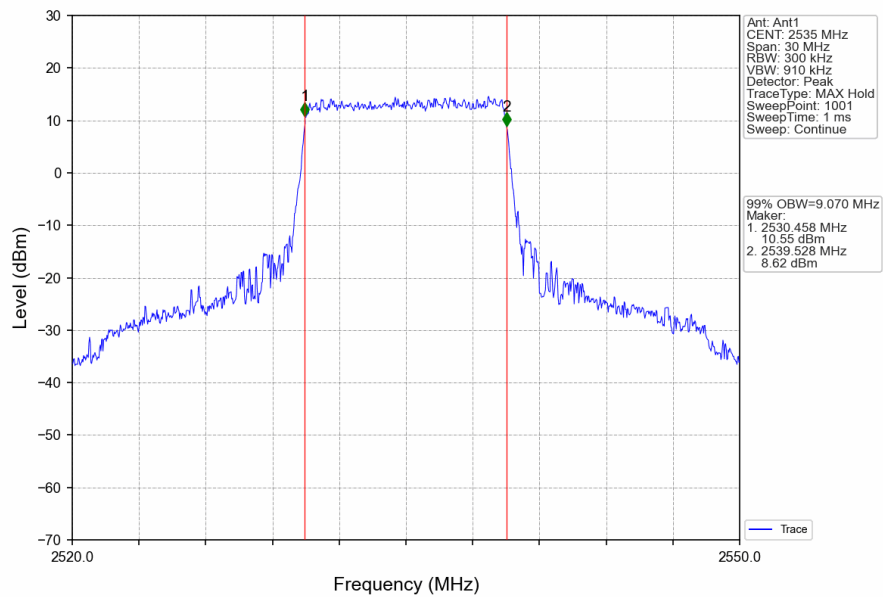
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



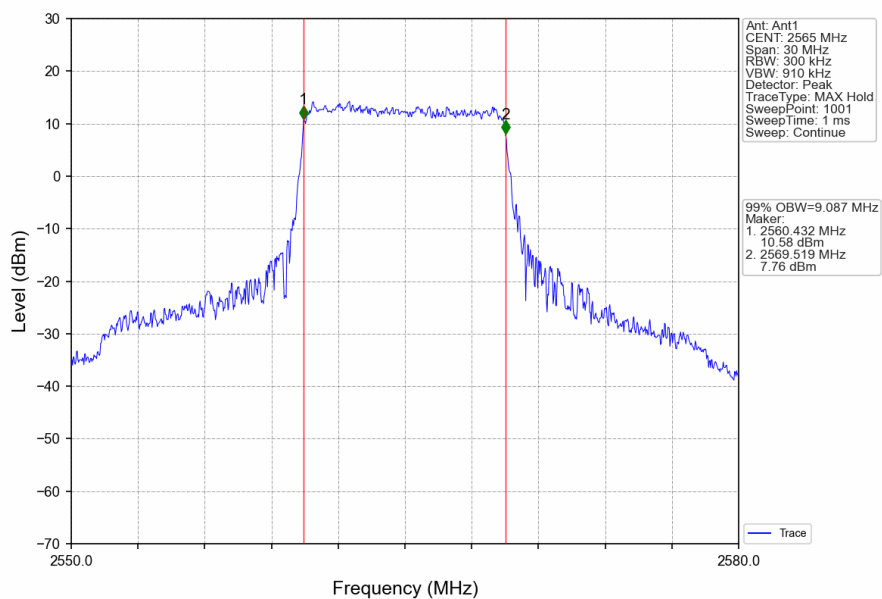
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



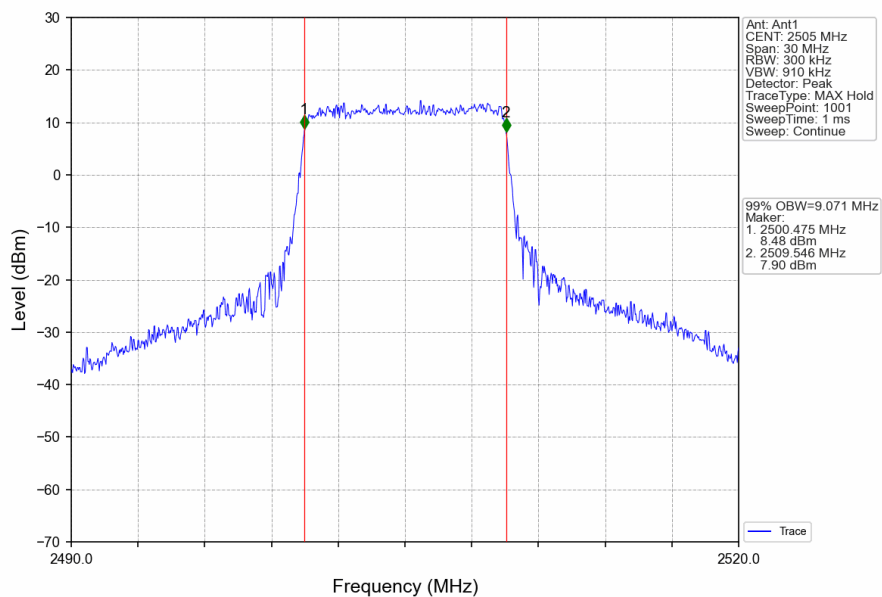
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



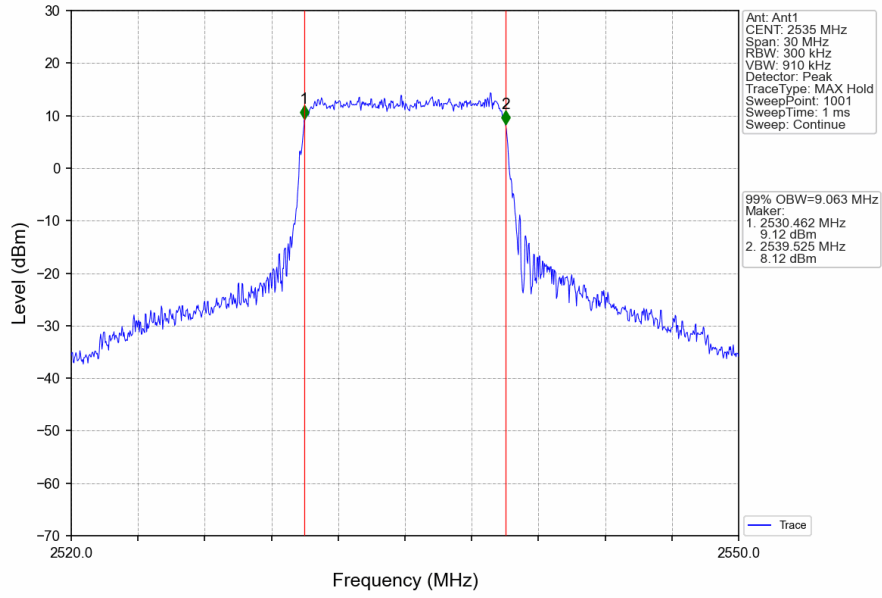
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



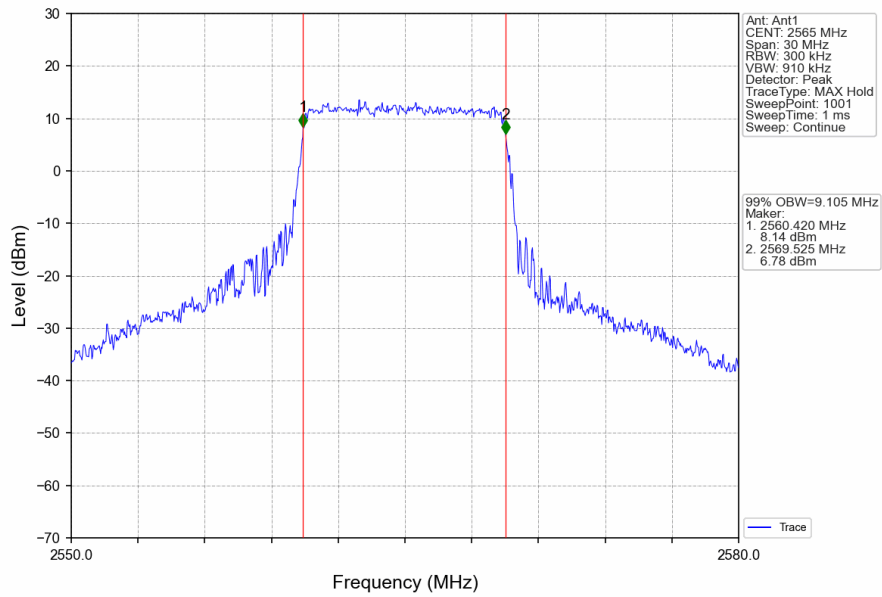
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV

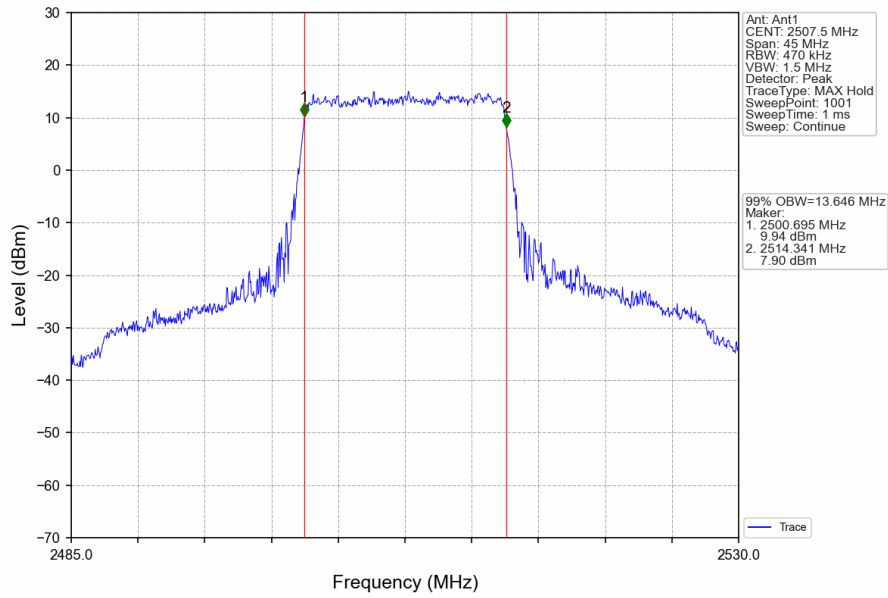


Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV

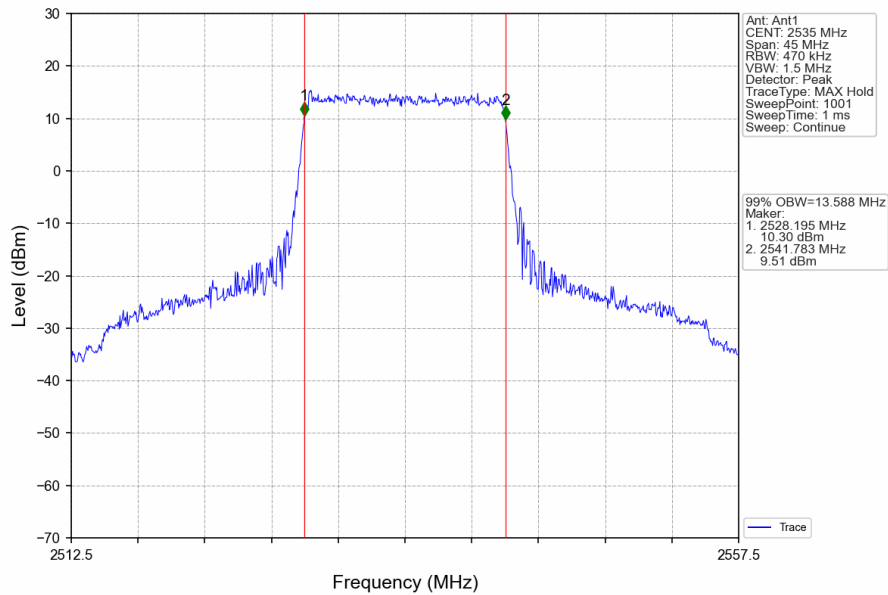




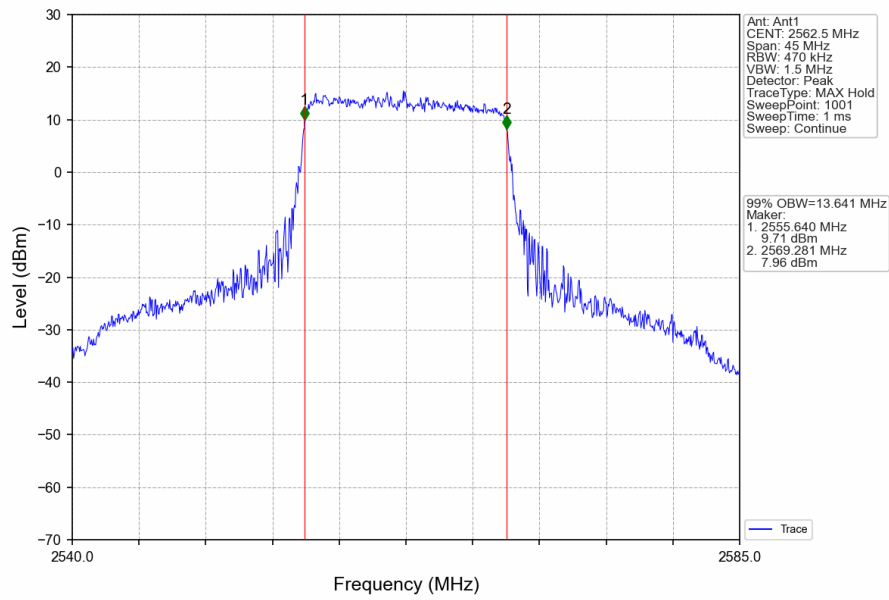
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



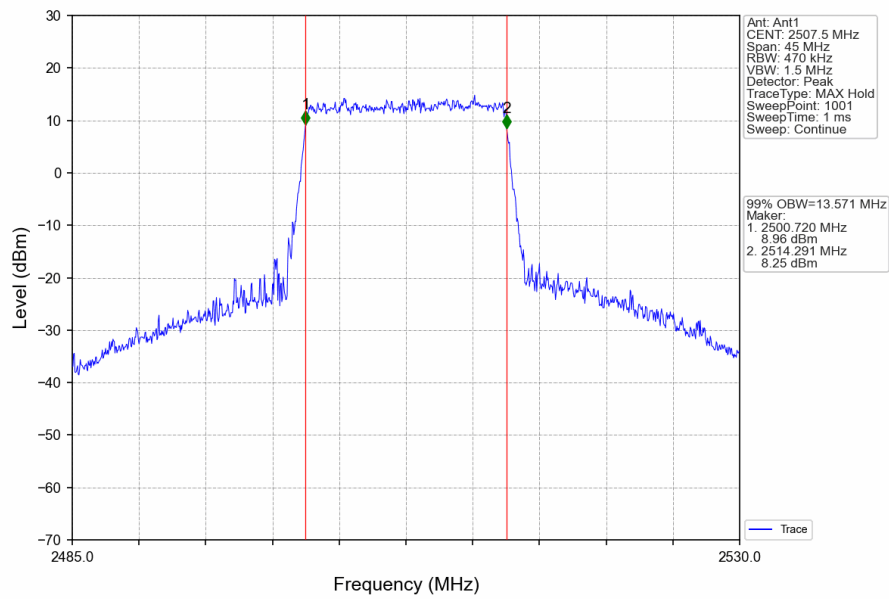
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



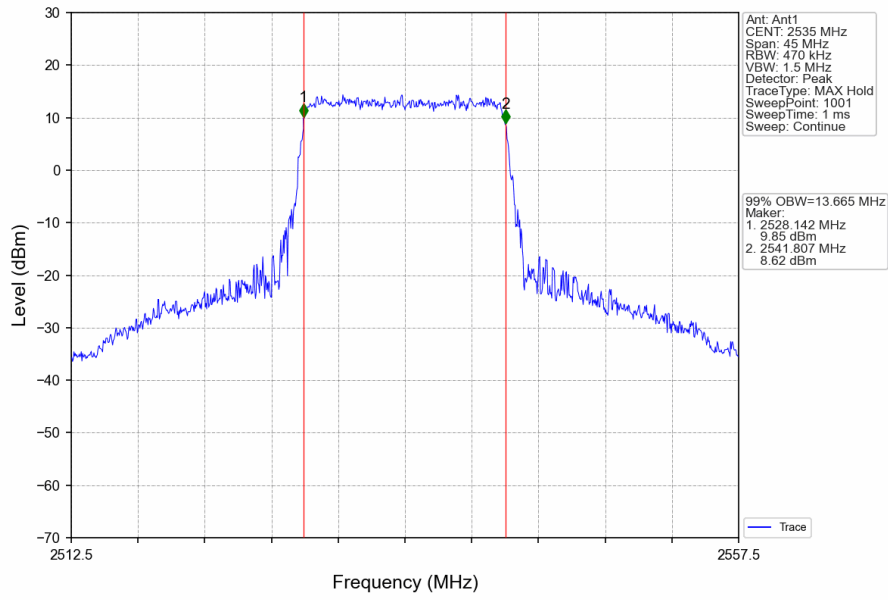
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



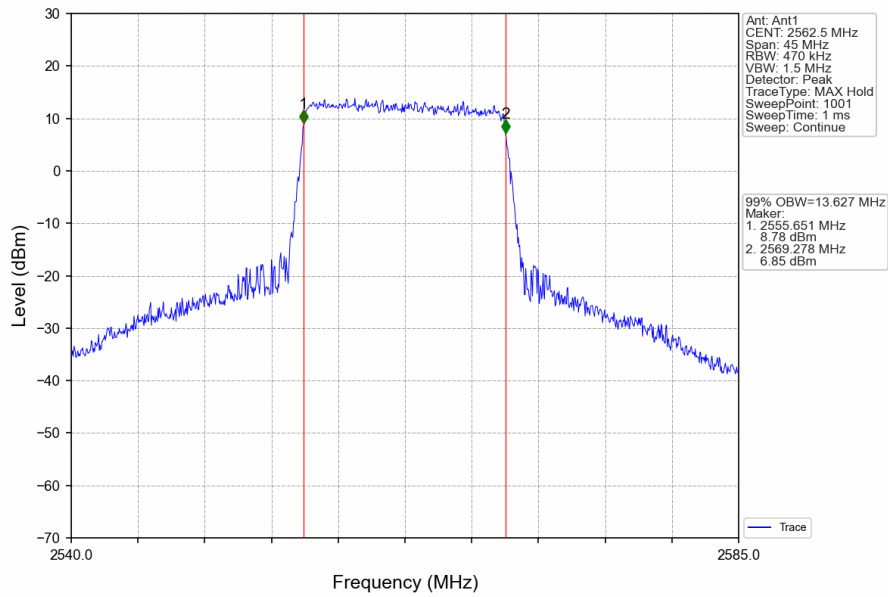
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



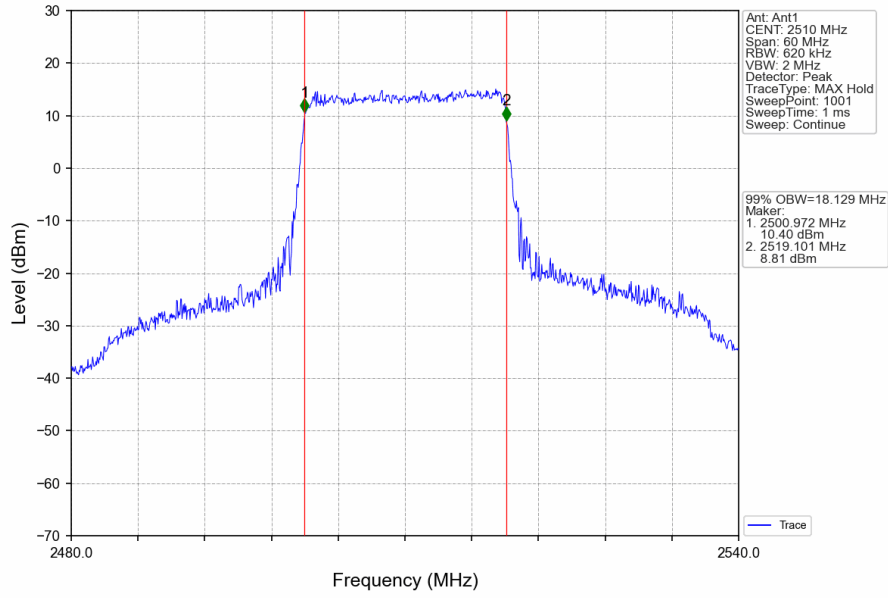
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



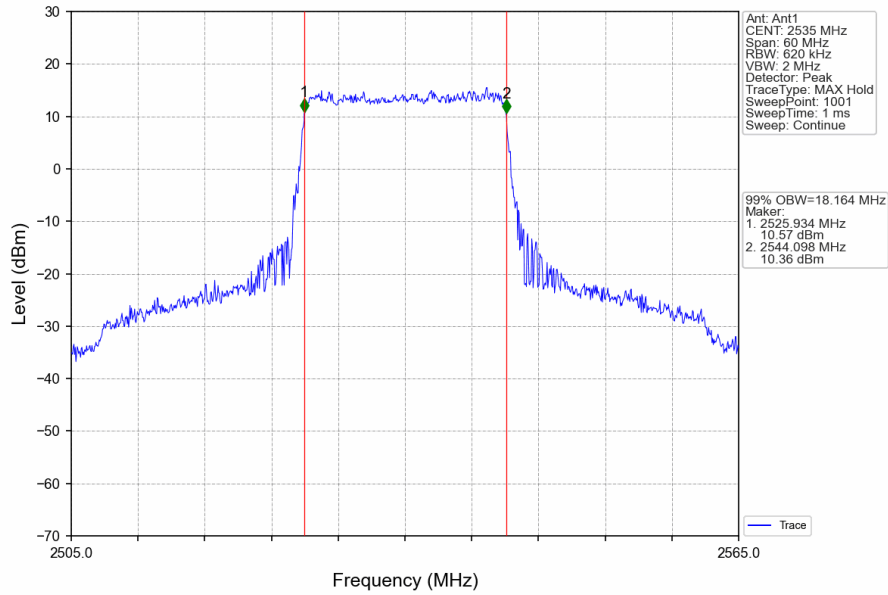
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



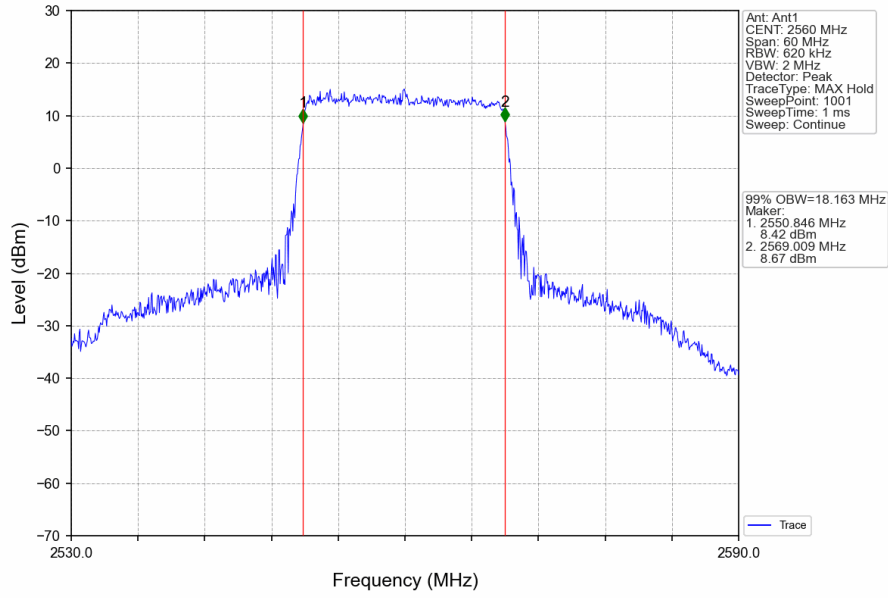
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



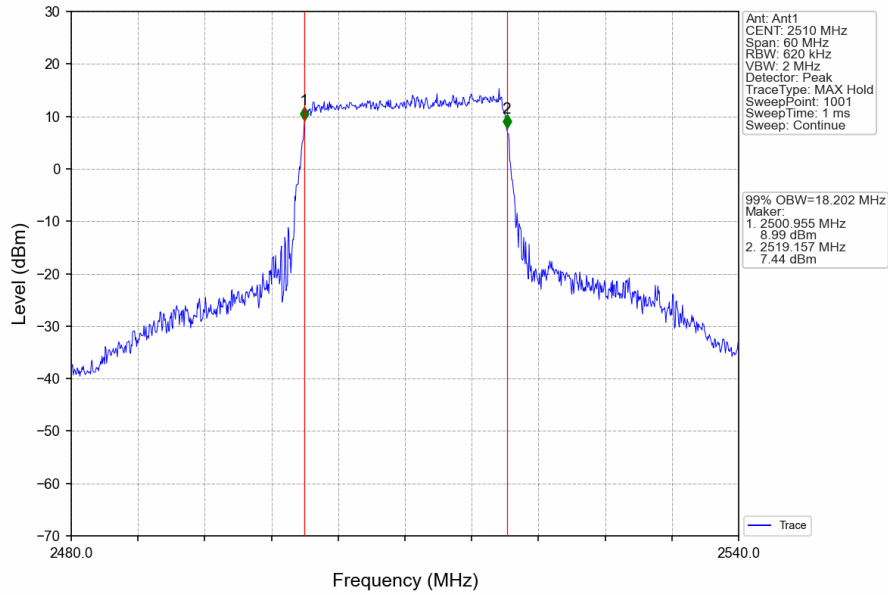
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



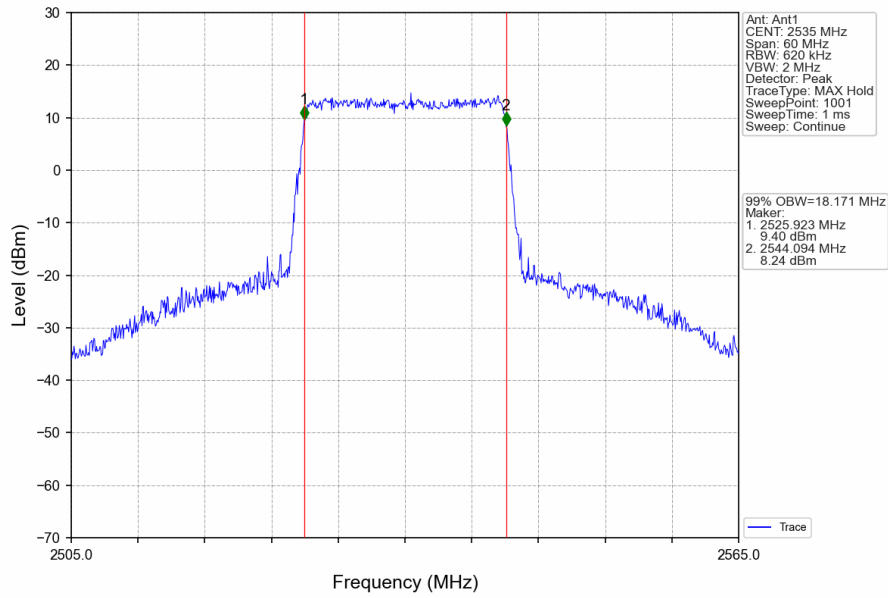
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



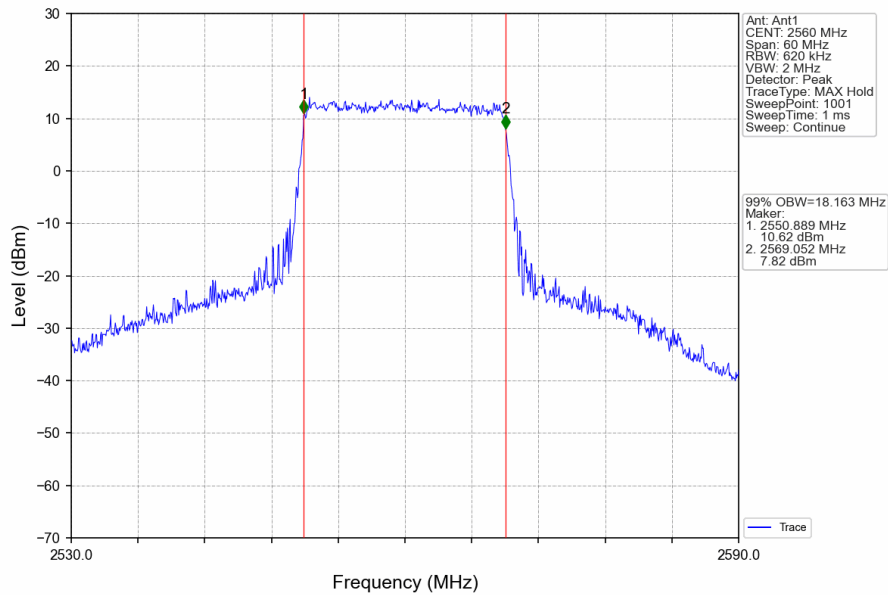
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV

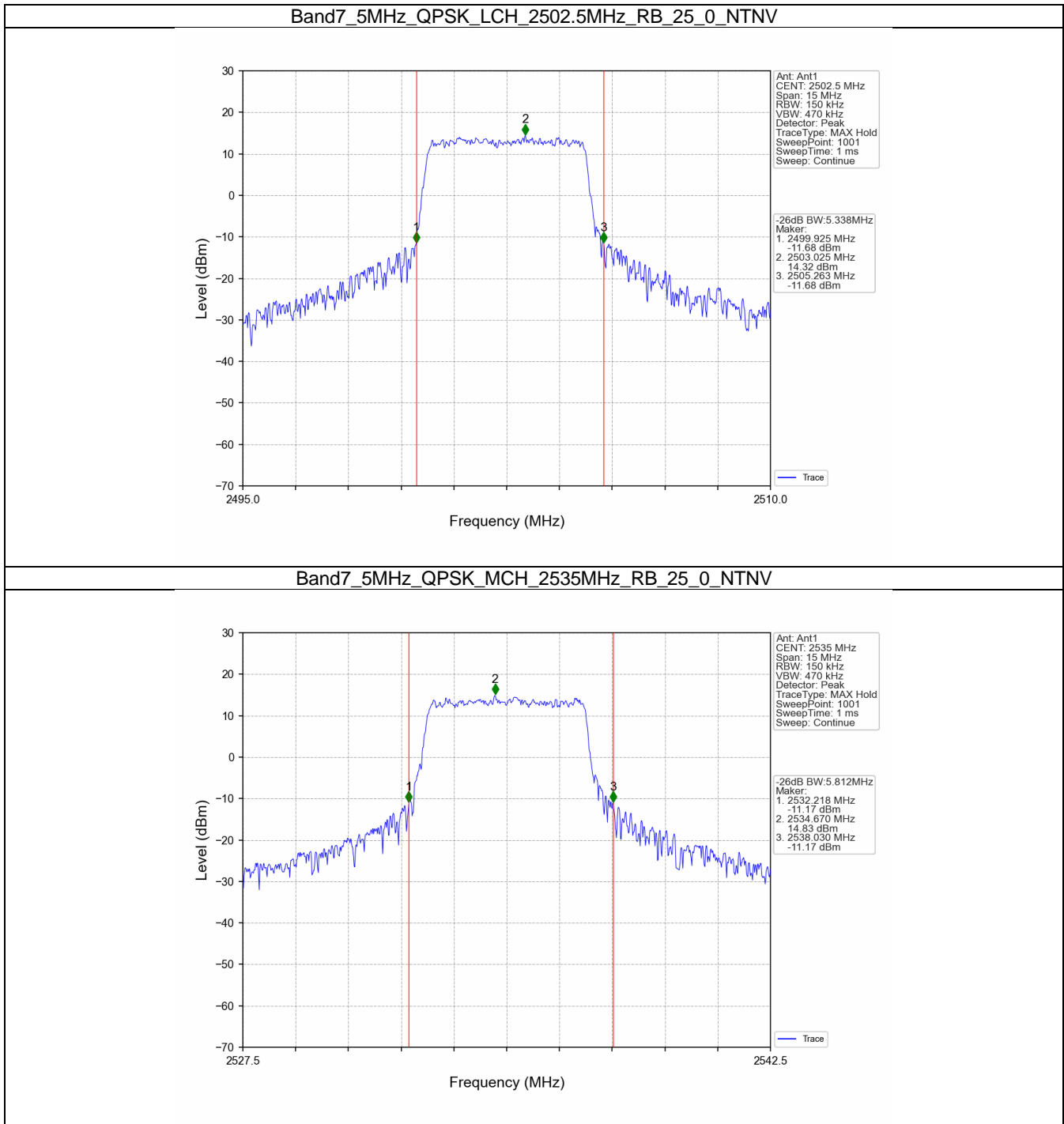


## 5.2 Band7\_XDB

### 5.2.1 Test Result

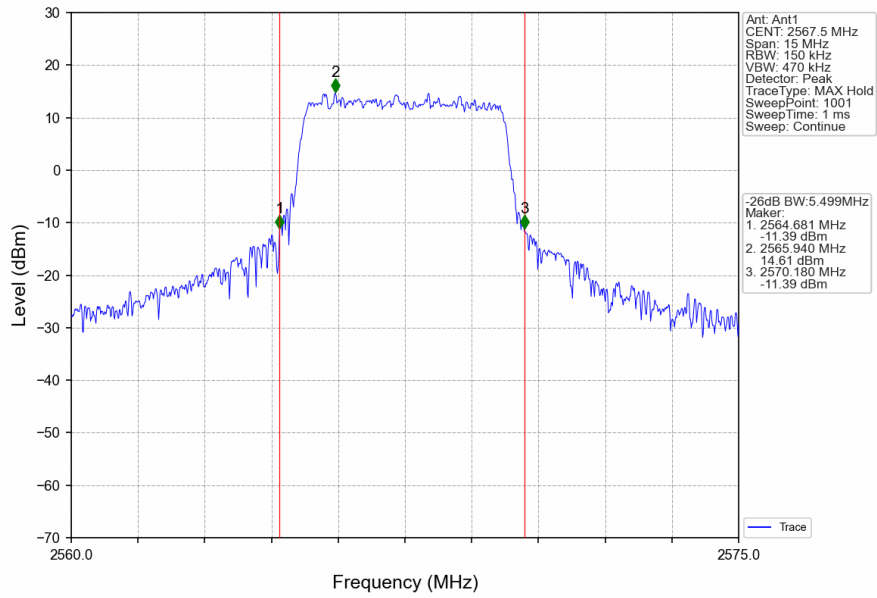
Band: 7 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	5.338	Pass
		2535	25	0	5.812	Pass
		2567.5	25	0	5.499	Pass
	16QAM	2502.5	25	0	5.691	Pass
		2535	25	0	5.644	Pass
		2567.5	25	0	5.464	Pass
10	QPSK	2505	50	0	10.379	Pass
		2535	50	0	10.173	Pass
		2565	50	0	10.525	Pass
	16QAM	2505	50	0	10.534	Pass
		2535	50	0	10.228	Pass
		2565	50	0	10.718	Pass
15	QPSK	2507.5	75	0	16.014	Pass
		2535	75	0	15.610	Pass
		2562.5	75	0	16.205	Pass
	16QAM	2507.5	75	0	15.271	Pass
		2535	75	0	15.951	Pass
		2562.5	75	0	15.268	Pass
20	QPSK	2510	100	0	20.629	Pass
		2535	100	0	20.531	Pass
		2560	100	0	20.581	Pass
	16QAM	2510	100	0	20.256	Pass
		2535	100	0	20.108	Pass
		2560	100	0	21.073	Pass

### 5.2.2 Test Graph

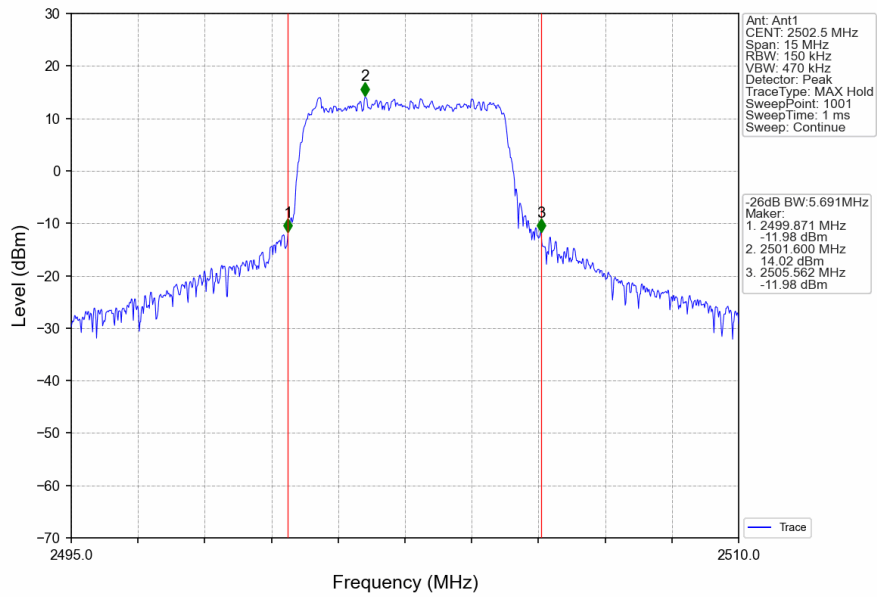




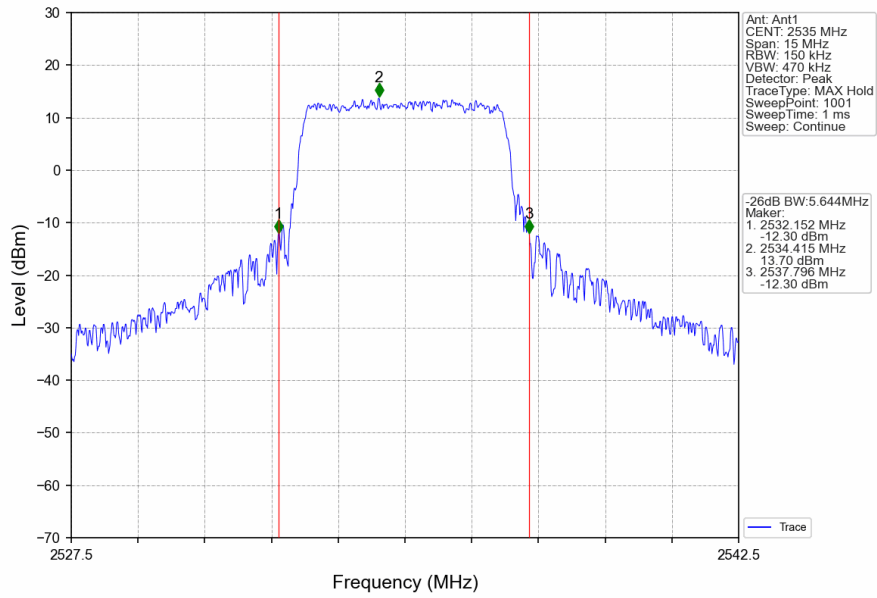
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



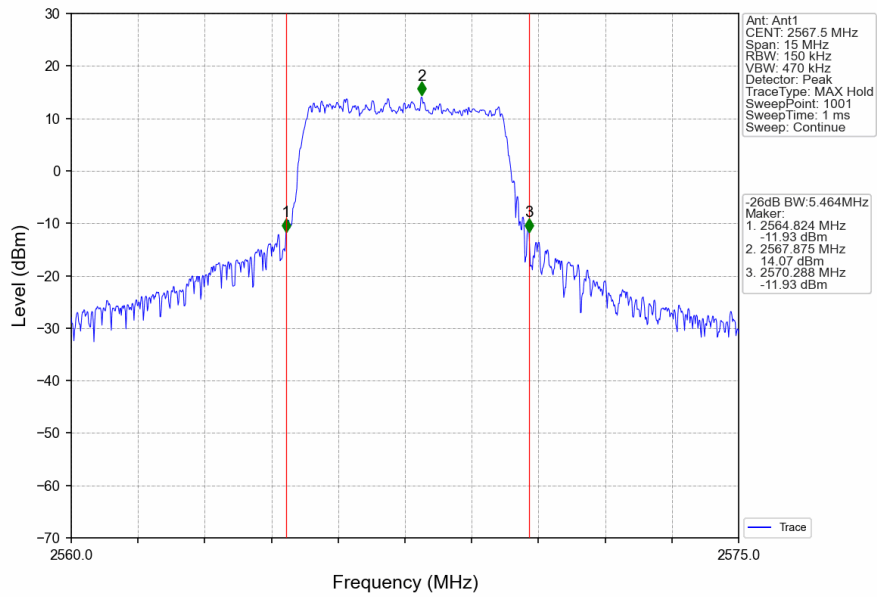
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



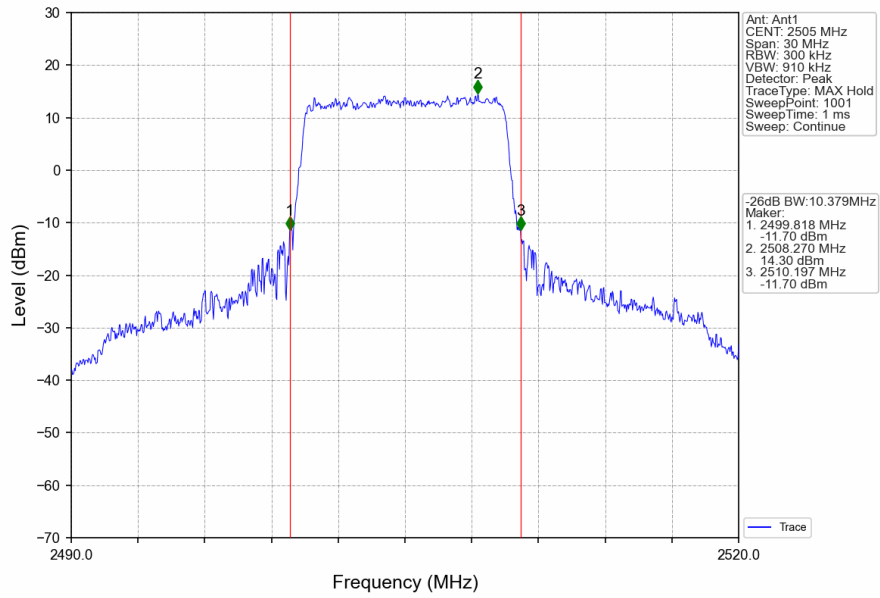
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV

