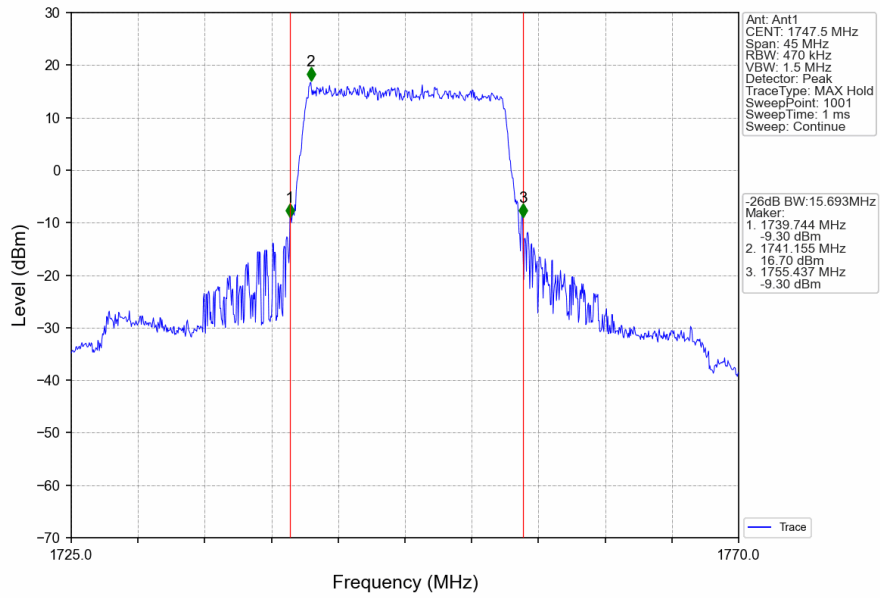
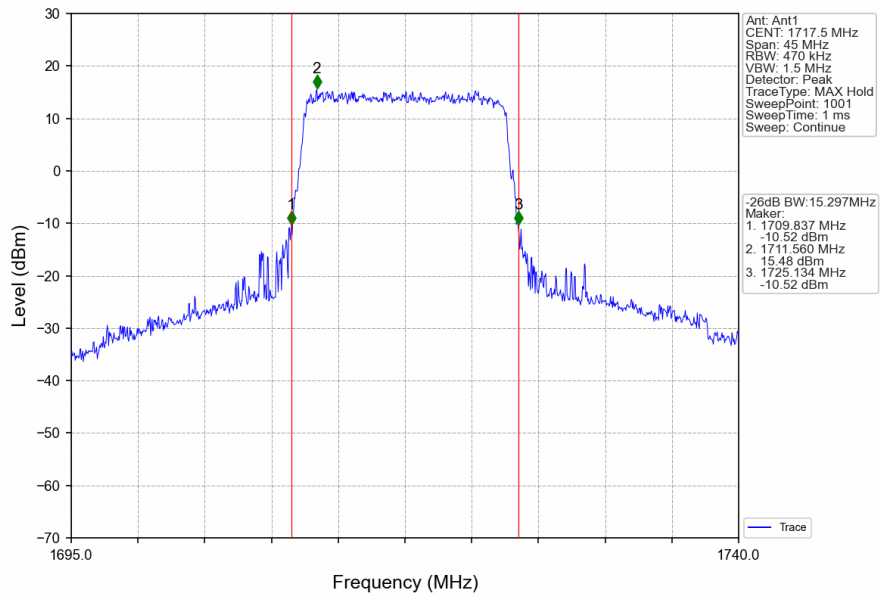


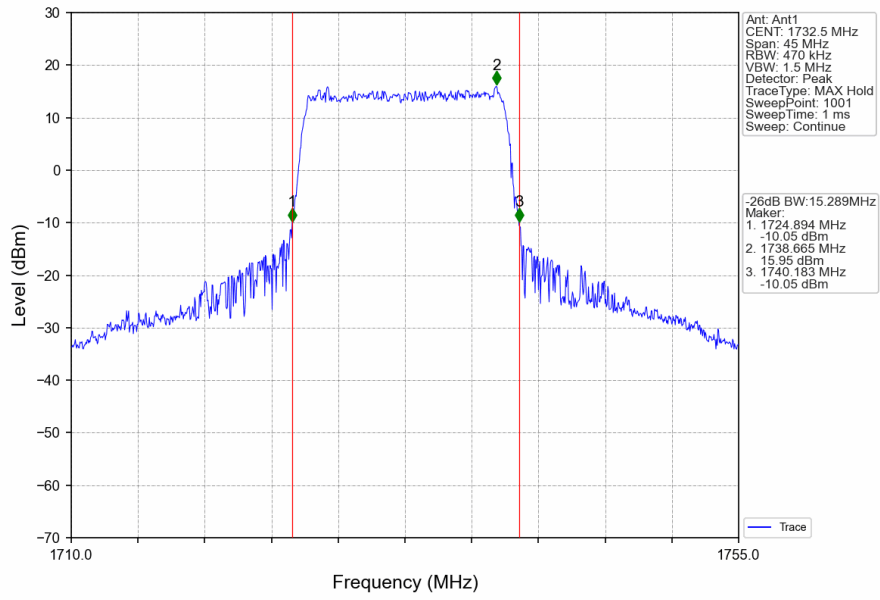
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



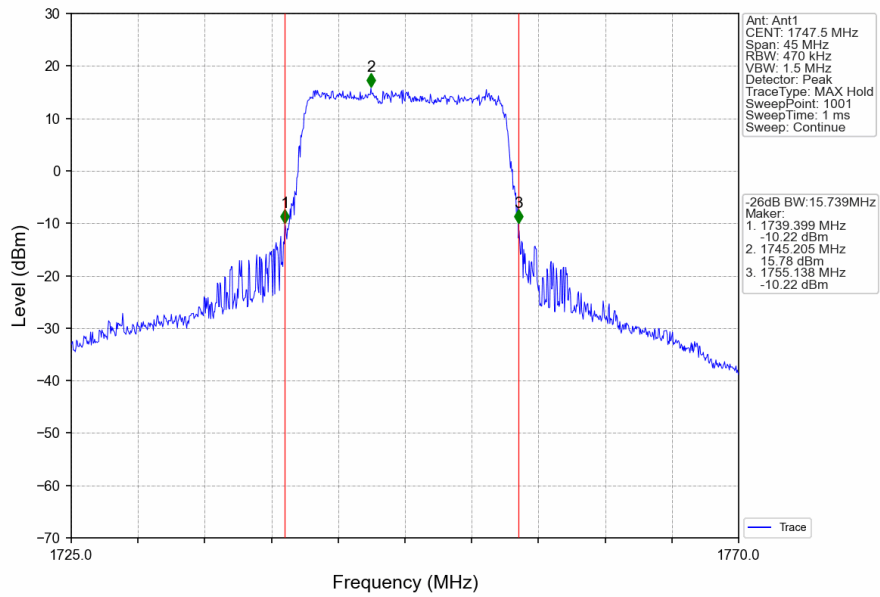
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



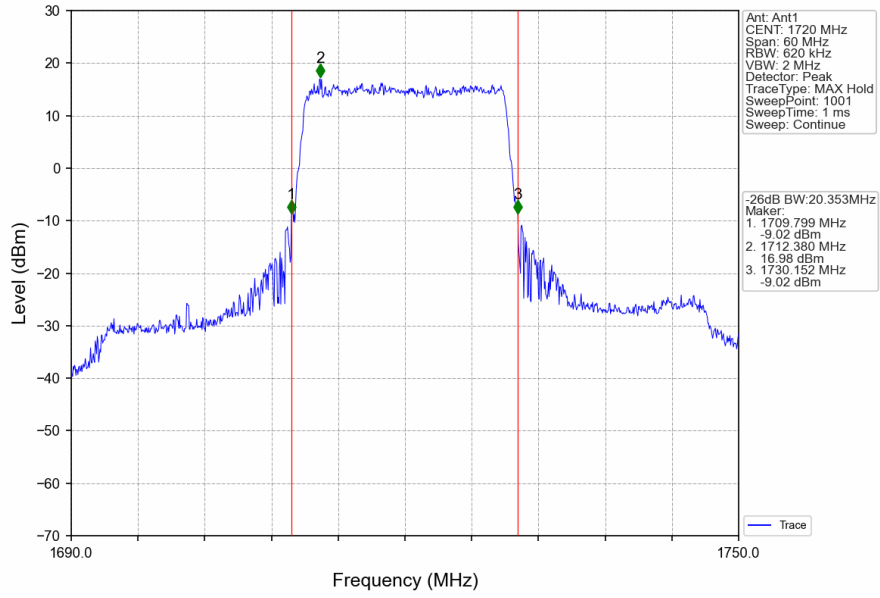
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



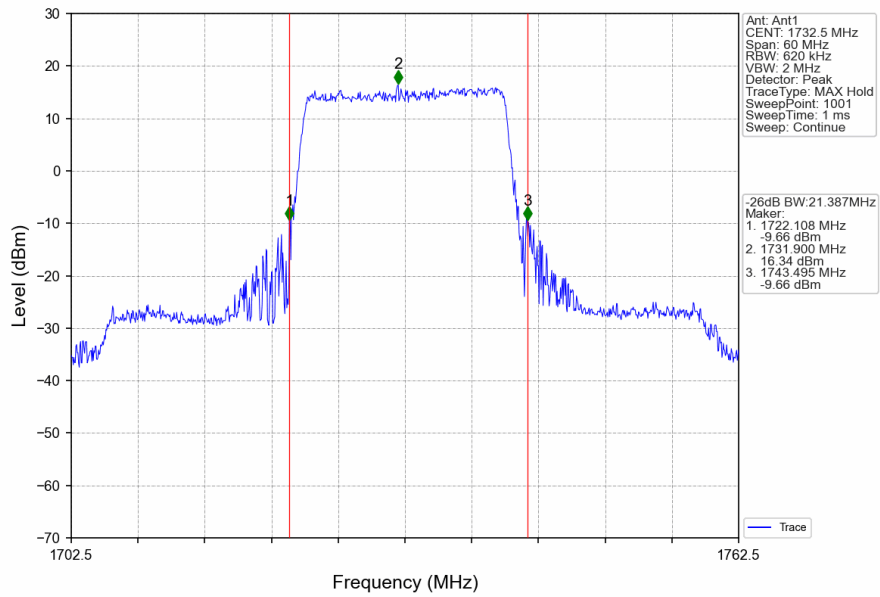
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



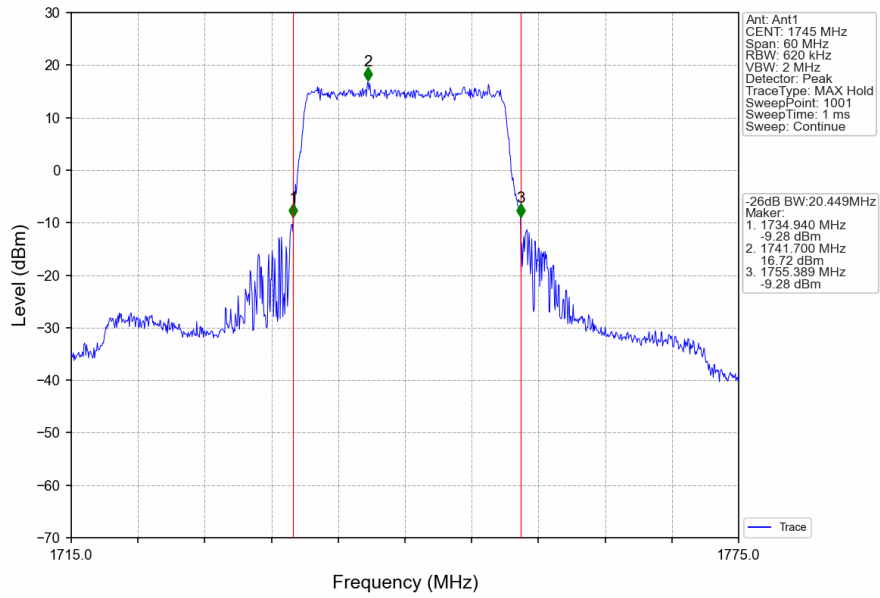
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



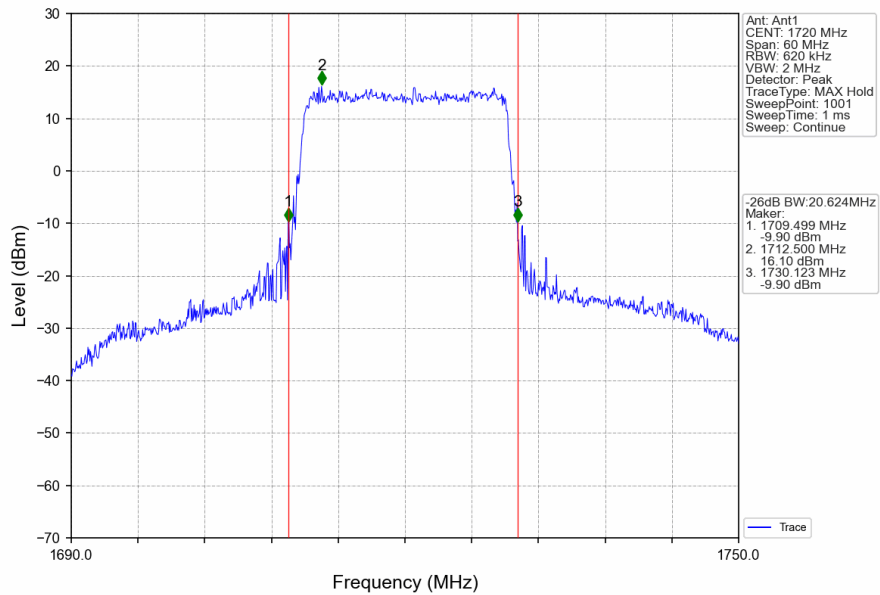
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



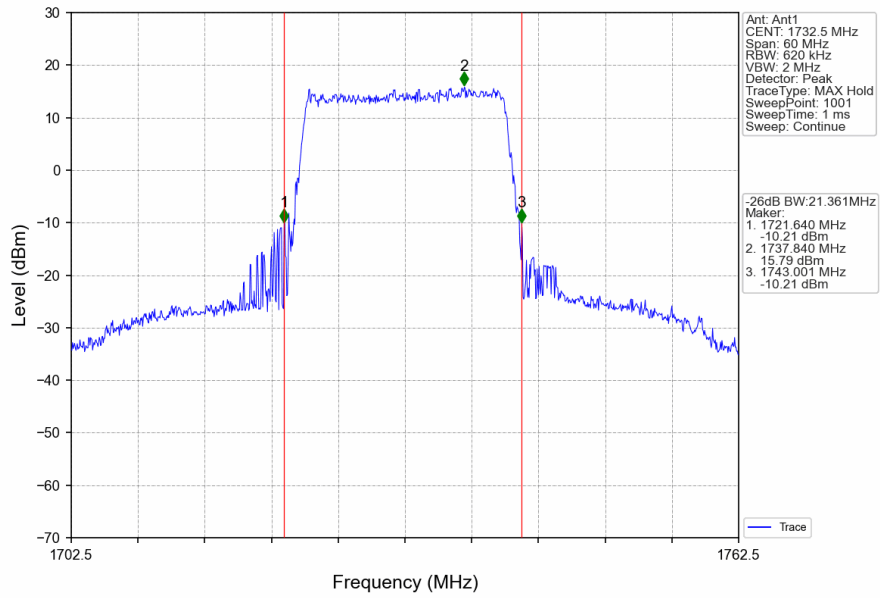
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



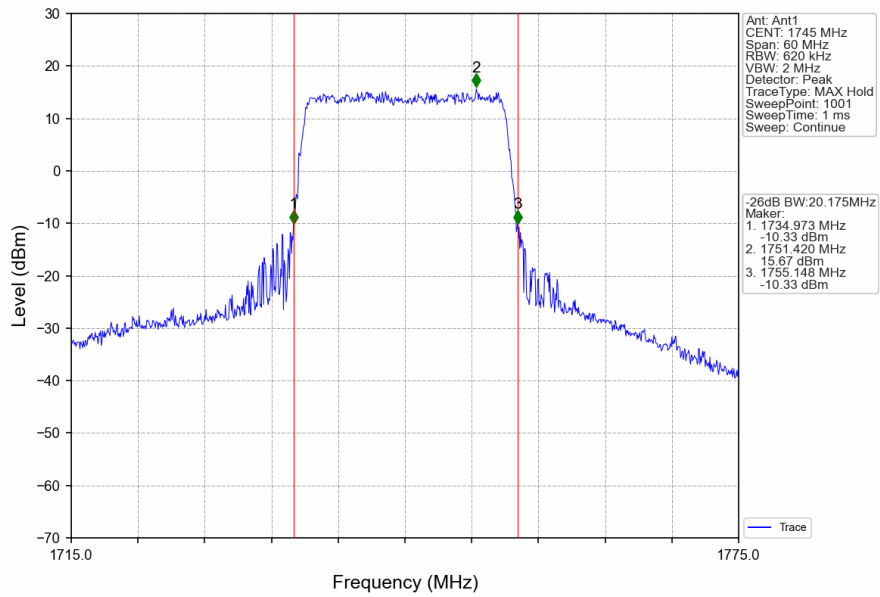
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



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



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



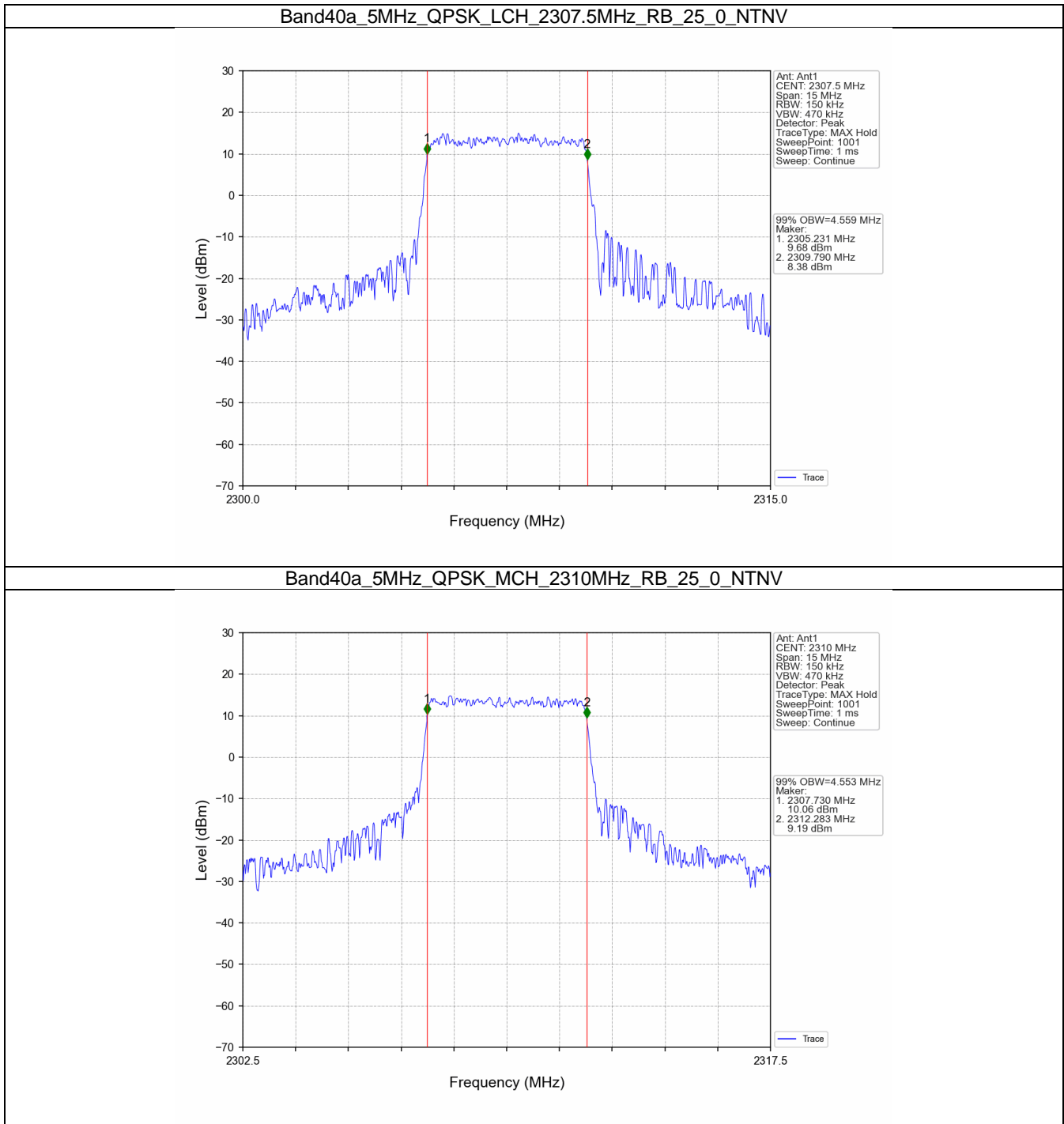
## 4. 99% & 26dB Bandwidth

### 4.1 Band40a\_OBW

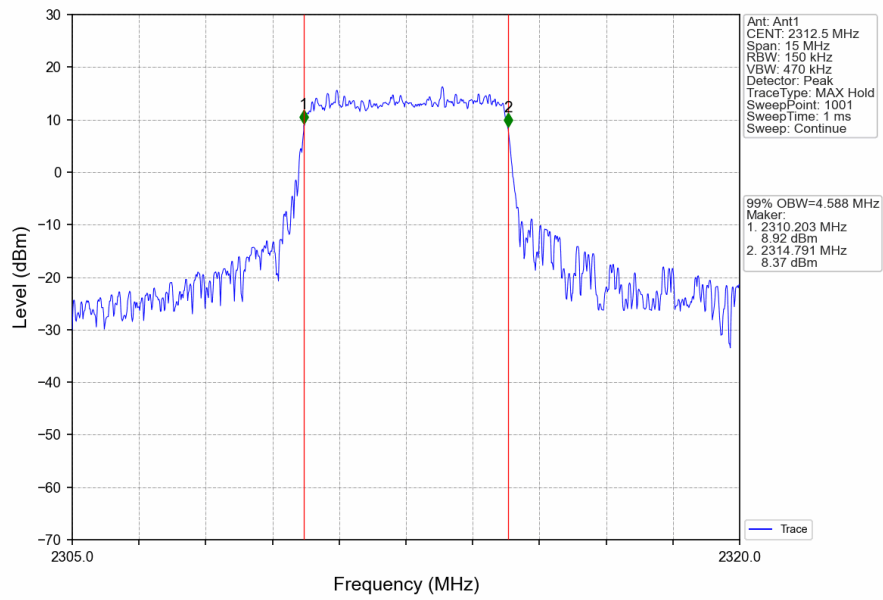
#### 4.1.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.559	Pass
		2310	25	0	4.553	Pass
		2312.5	25	0	4.588	Pass
	16QAM	2307.5	25	0	4.584	Pass
		2310	25	0	4.546	Pass
		2312.5	25	0	4.592	Pass
10	QPSK	2310	50	0	9.069	Pass
	16QAM	2310	50	0	9.055	Pass

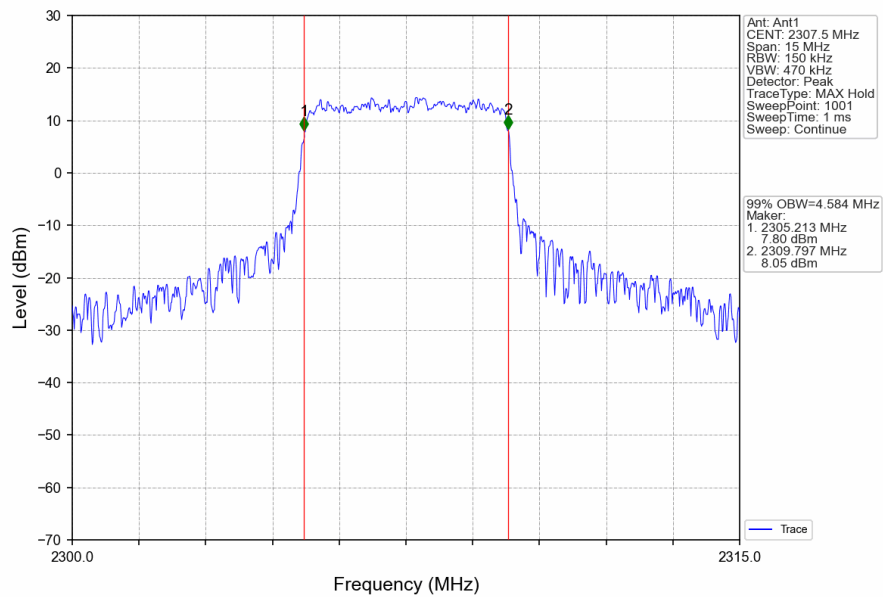
### 4.1.2 Test Graph



Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV

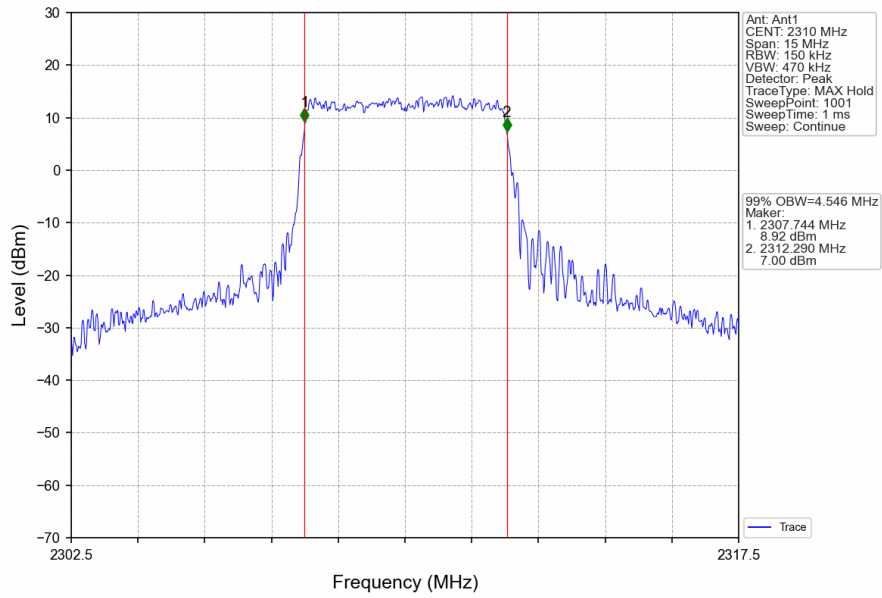


Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV

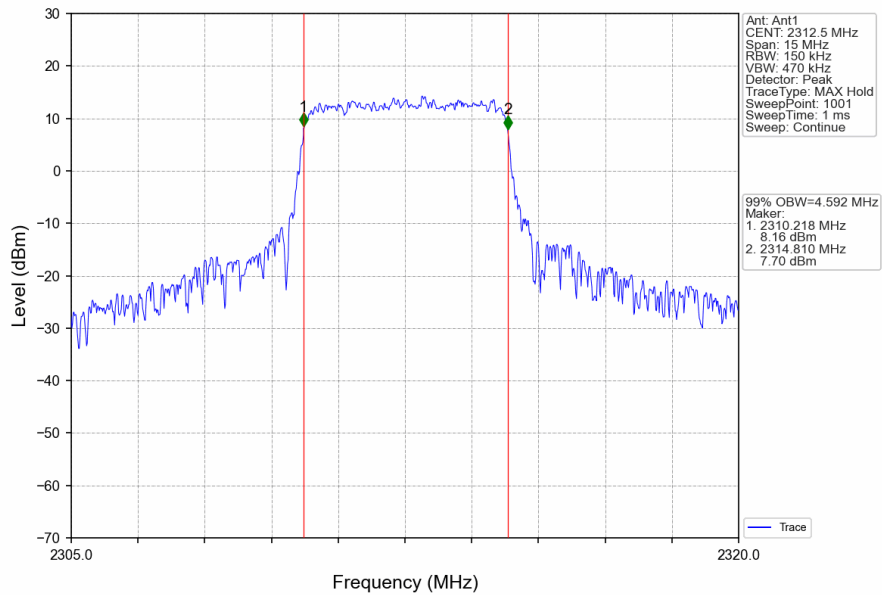




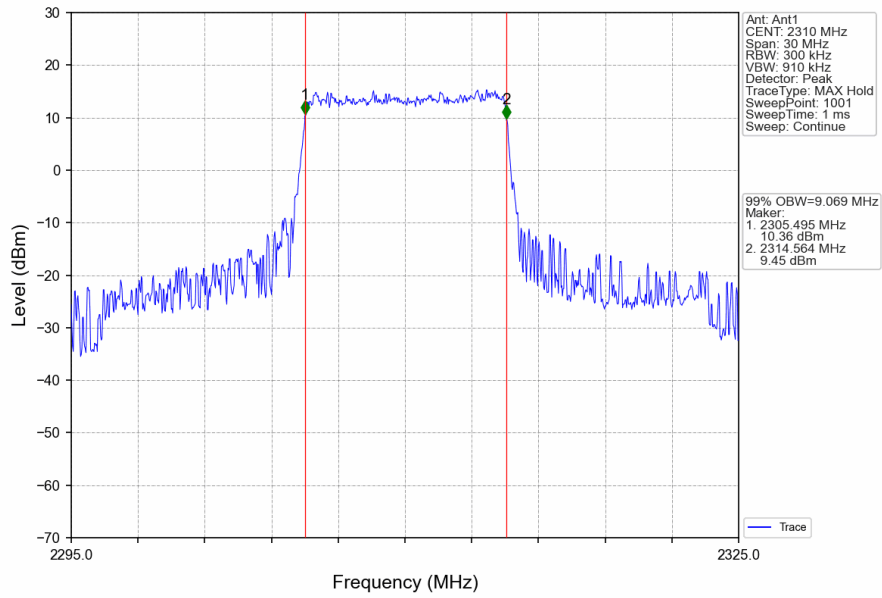
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



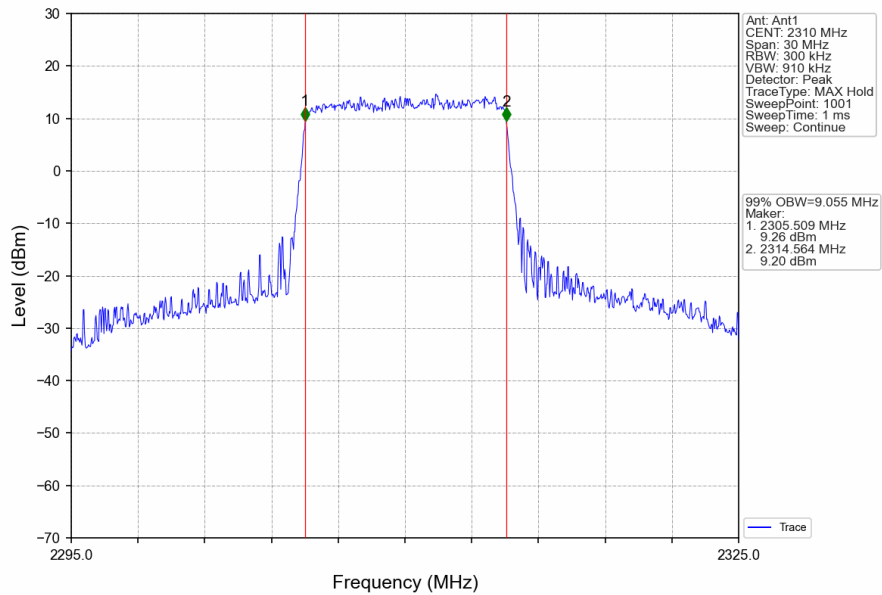
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV

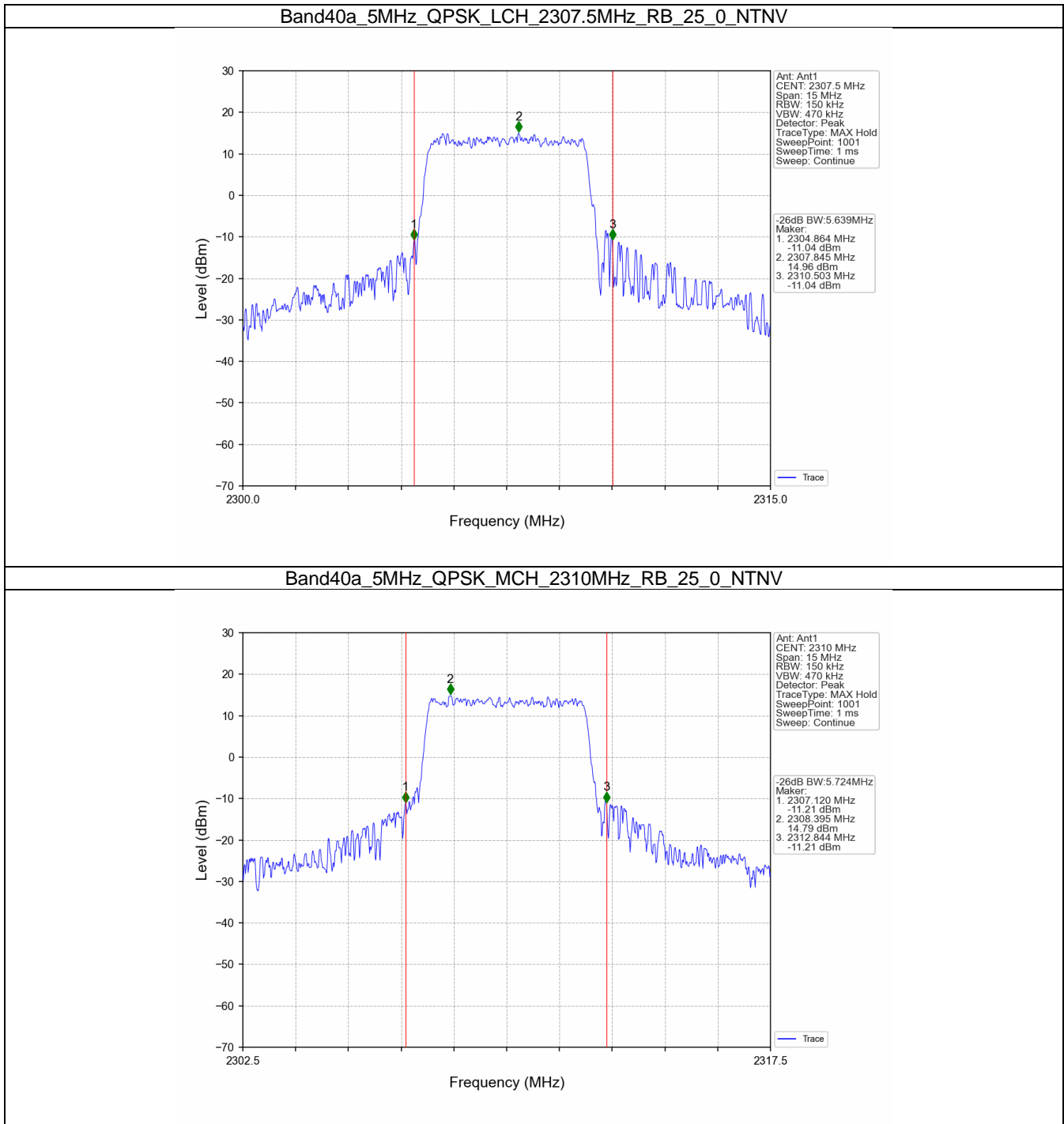


## 4.2 Band40a\_XDB

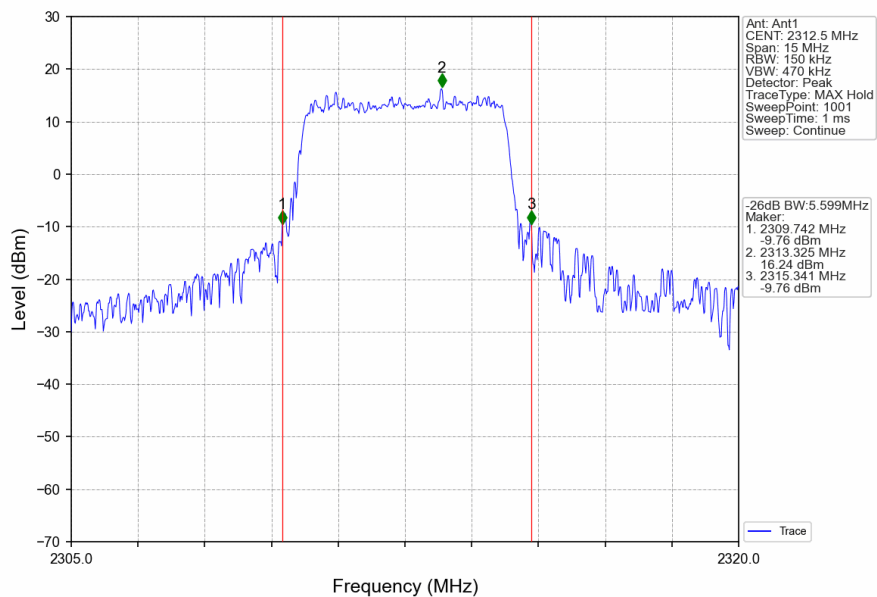
### 4.2.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	5.639	Pass
		2310	25	0	5.724	Pass
		2312.5	25	0	5.599	Pass
	16QAM	2307.5	25	0	5.839	Pass
		2310	25	0	5.561	Pass
		2312.5	25	0	5.599	Pass
10	QPSK	2310	50	0	10.619	Pass
	16QAM	2310	50	0	10.289	Pass

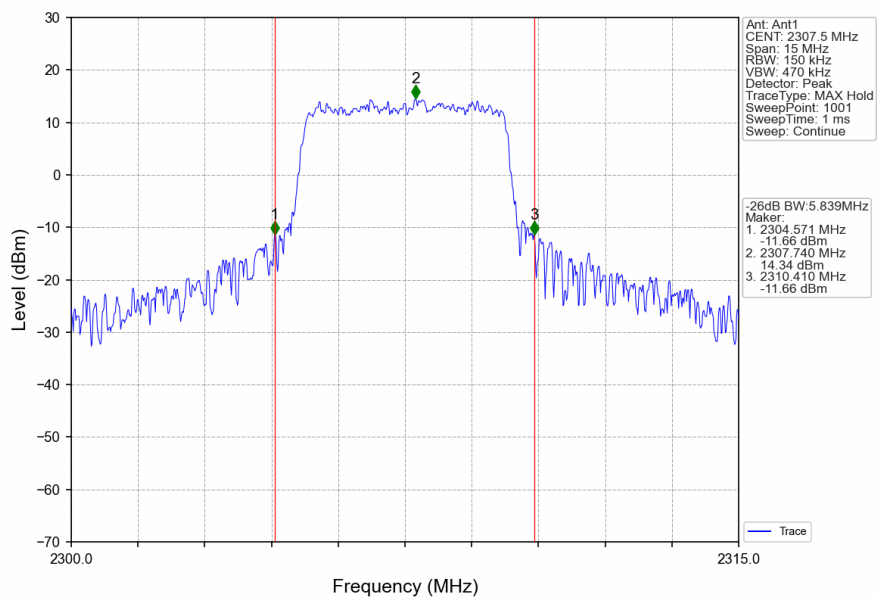
### 4.2.2 Test Graph



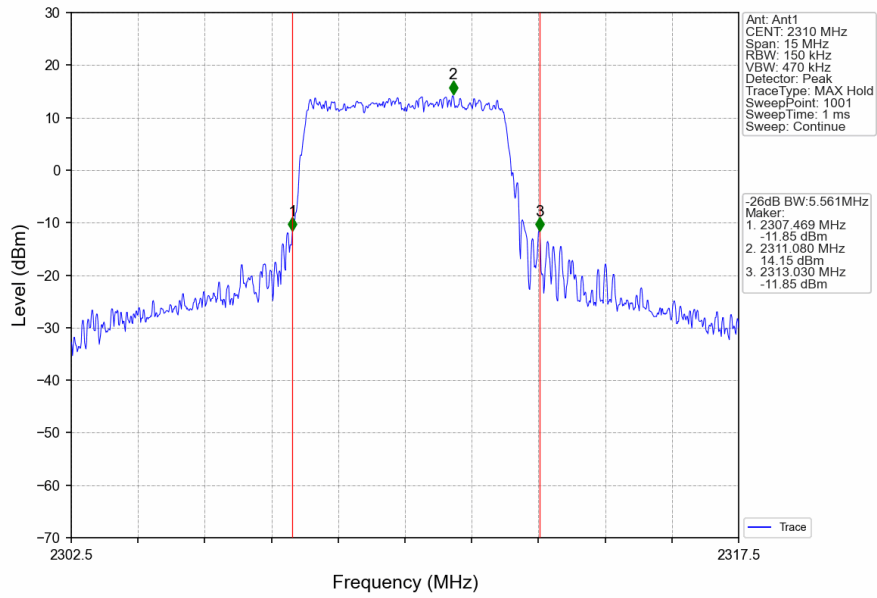
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



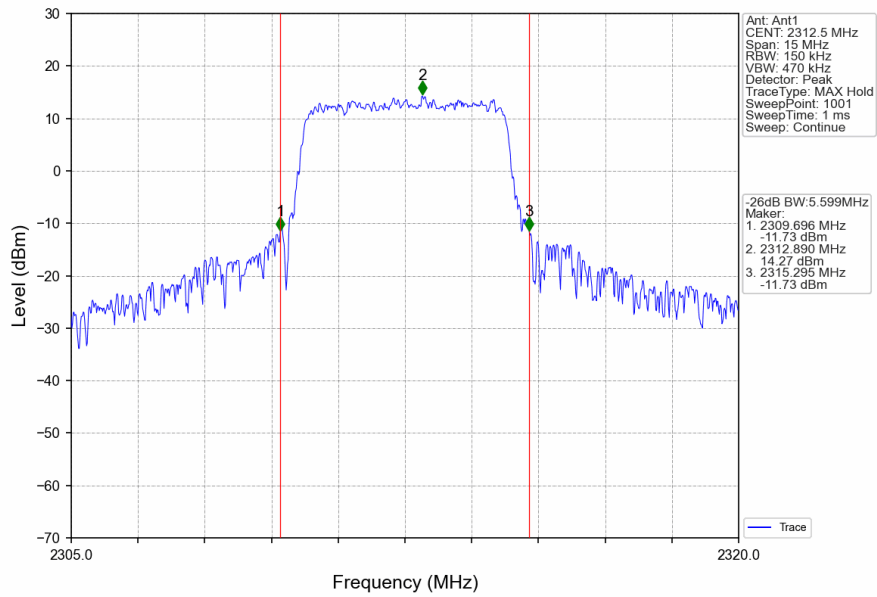
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



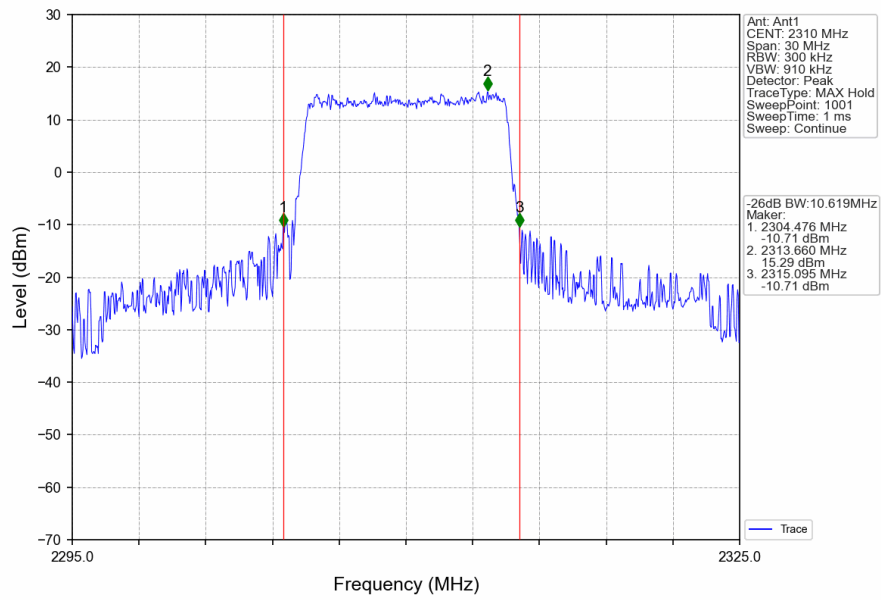
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



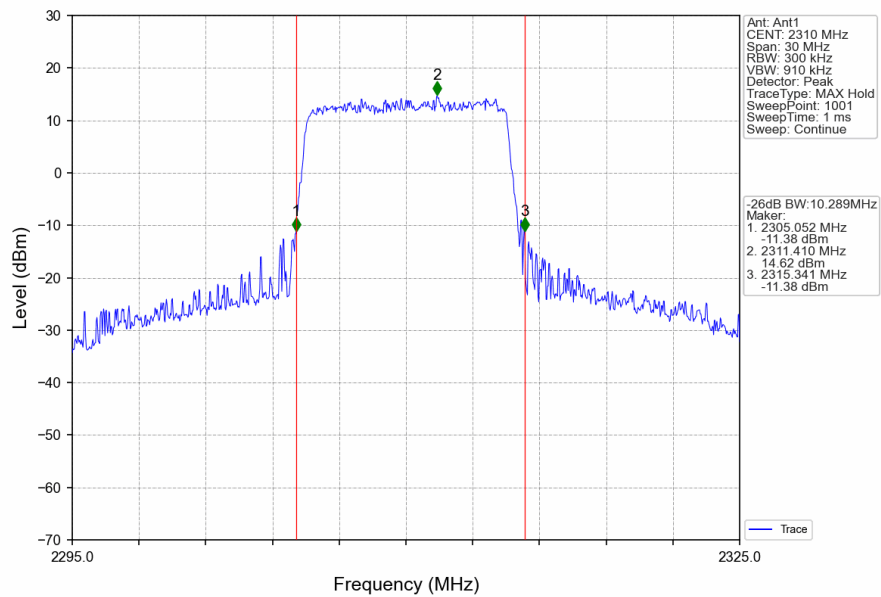
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



Band40a\_10MHz\_16QAM\_MCH\_2310MHz\_RB\_50\_0\_NTNV



## 5. 99% & 26dB Bandwidth

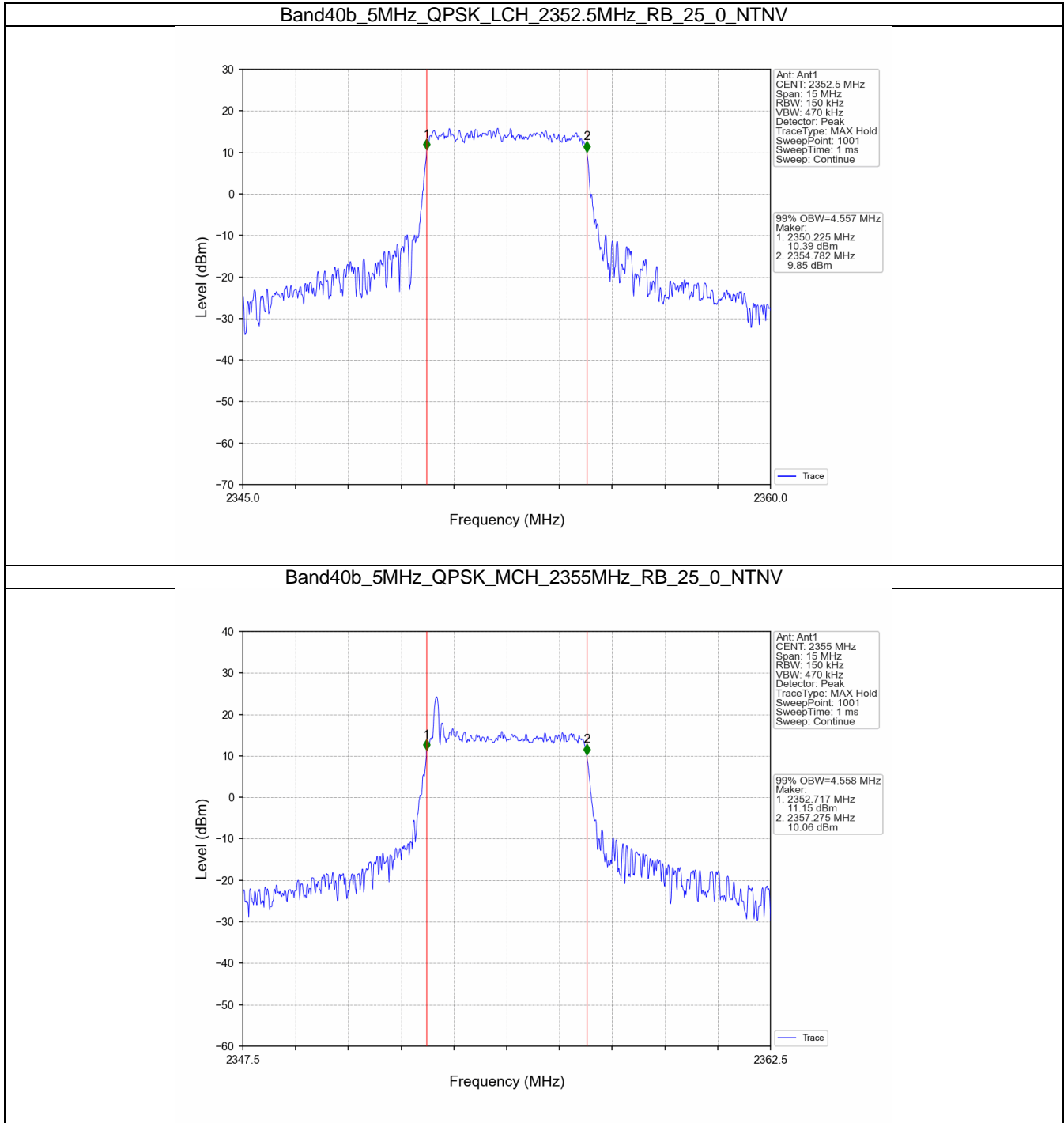
### 5.1 Band40b\_OBW

#### 5.1.1 Test Result

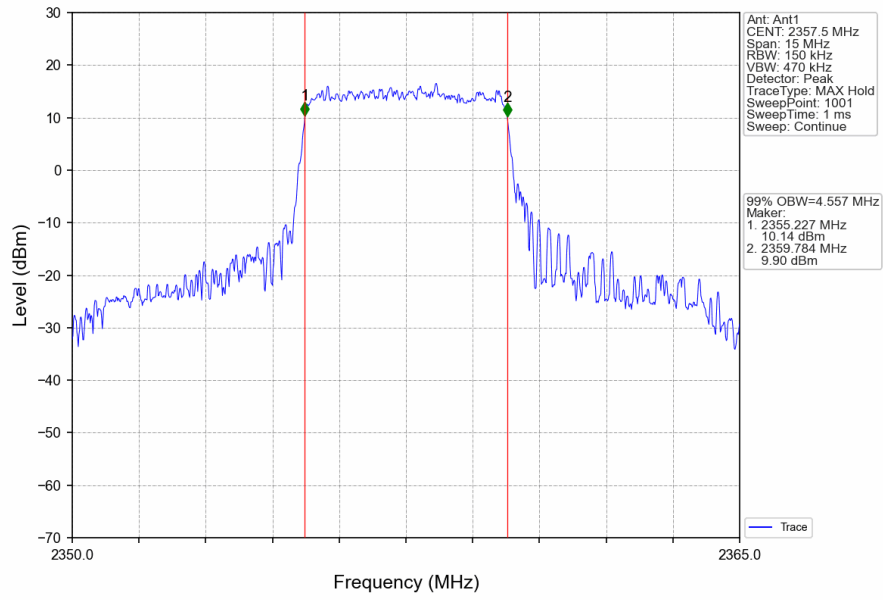
Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.557	Pass
		2355	25	0	4.558	Pass
		2357.5	25	0	4.557	Pass
	16QAM	2352.5	25	0	4.499	Pass
		2355	25	0	4.573	Pass
		2357.5	25	0	4.575	Pass
10	QPSK	2355	50	0	9.109	Pass
	16QAM	2355	50	0	9.087	Pass



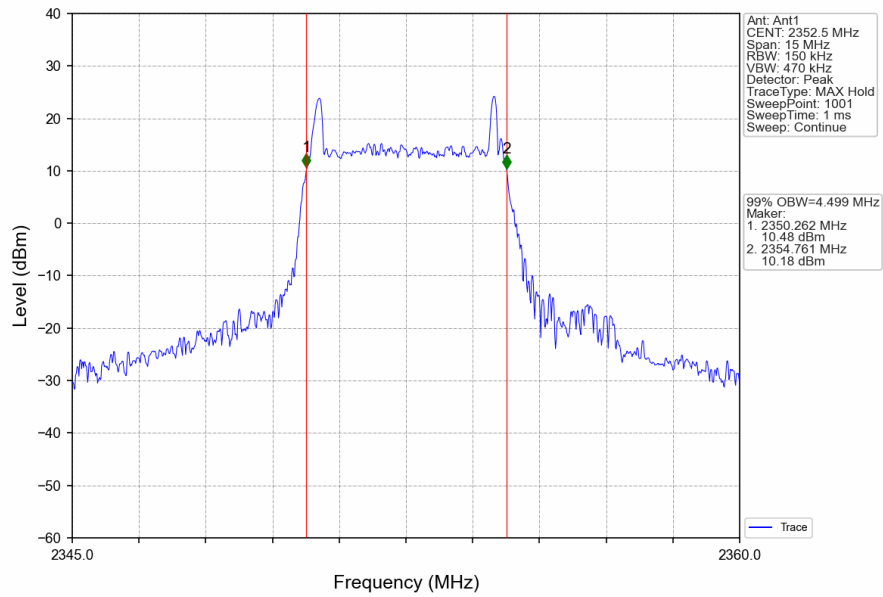
### 5.1.2 Test Graph



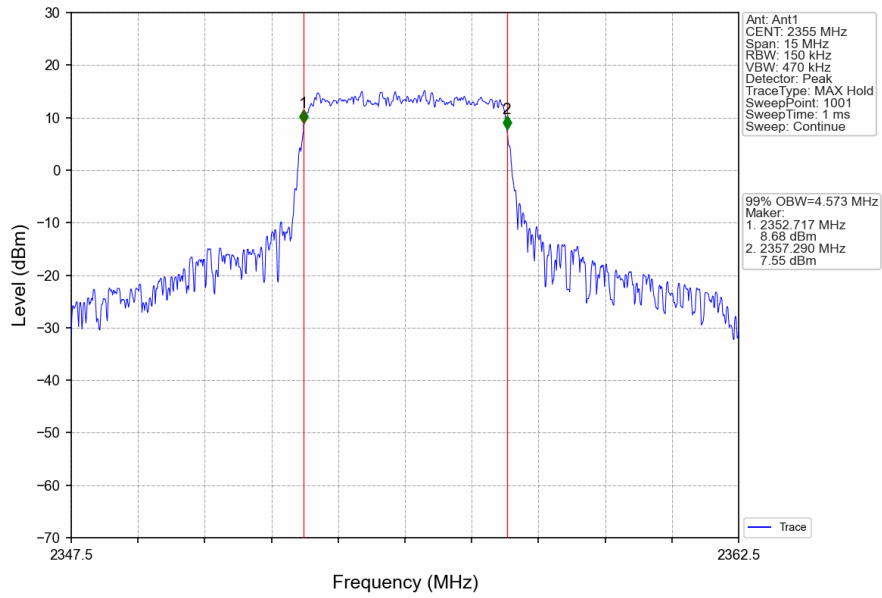
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



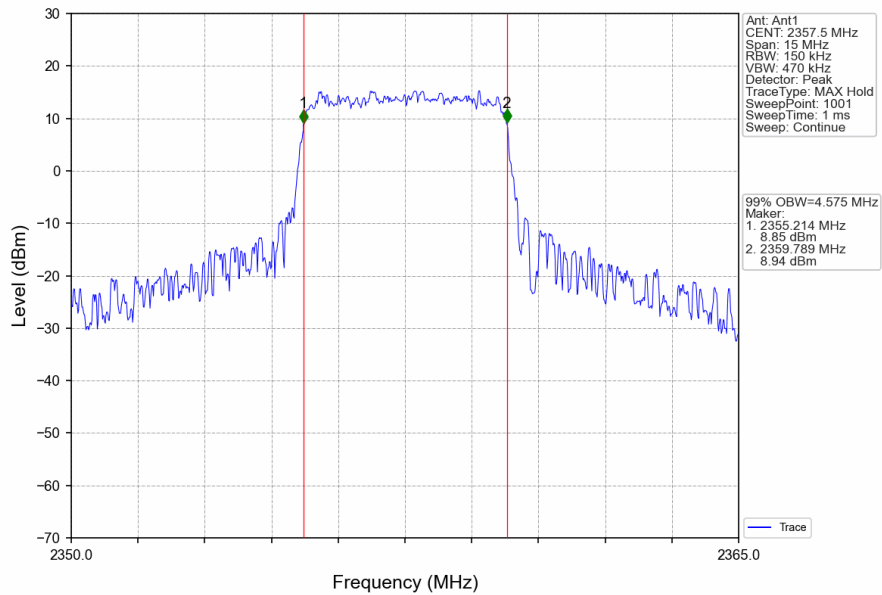
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



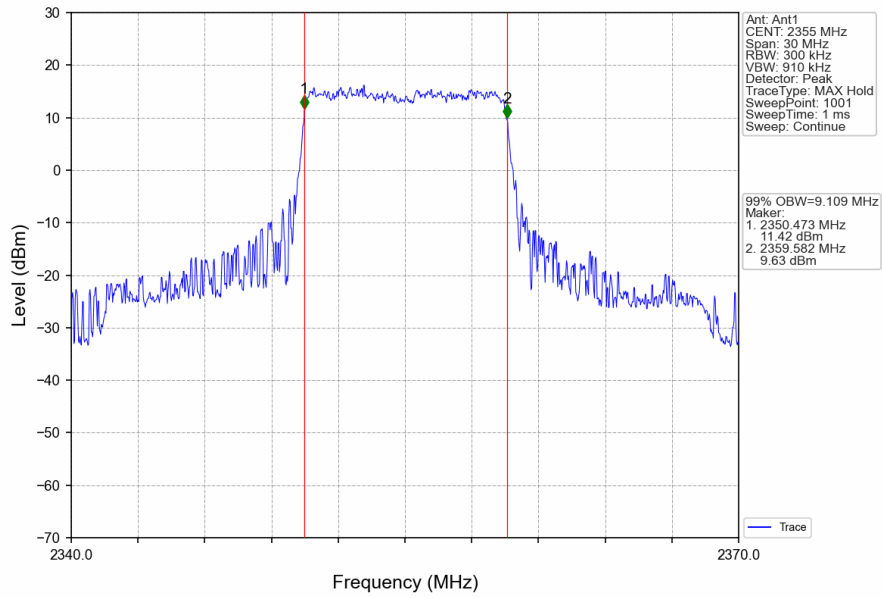
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV



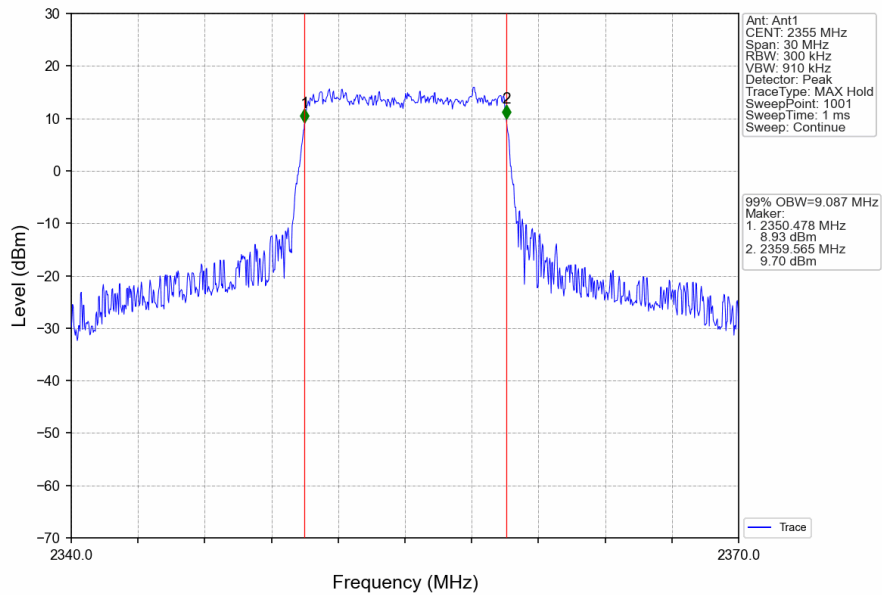
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_50\_0\_NTNV



Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_50\_0\_NTNV

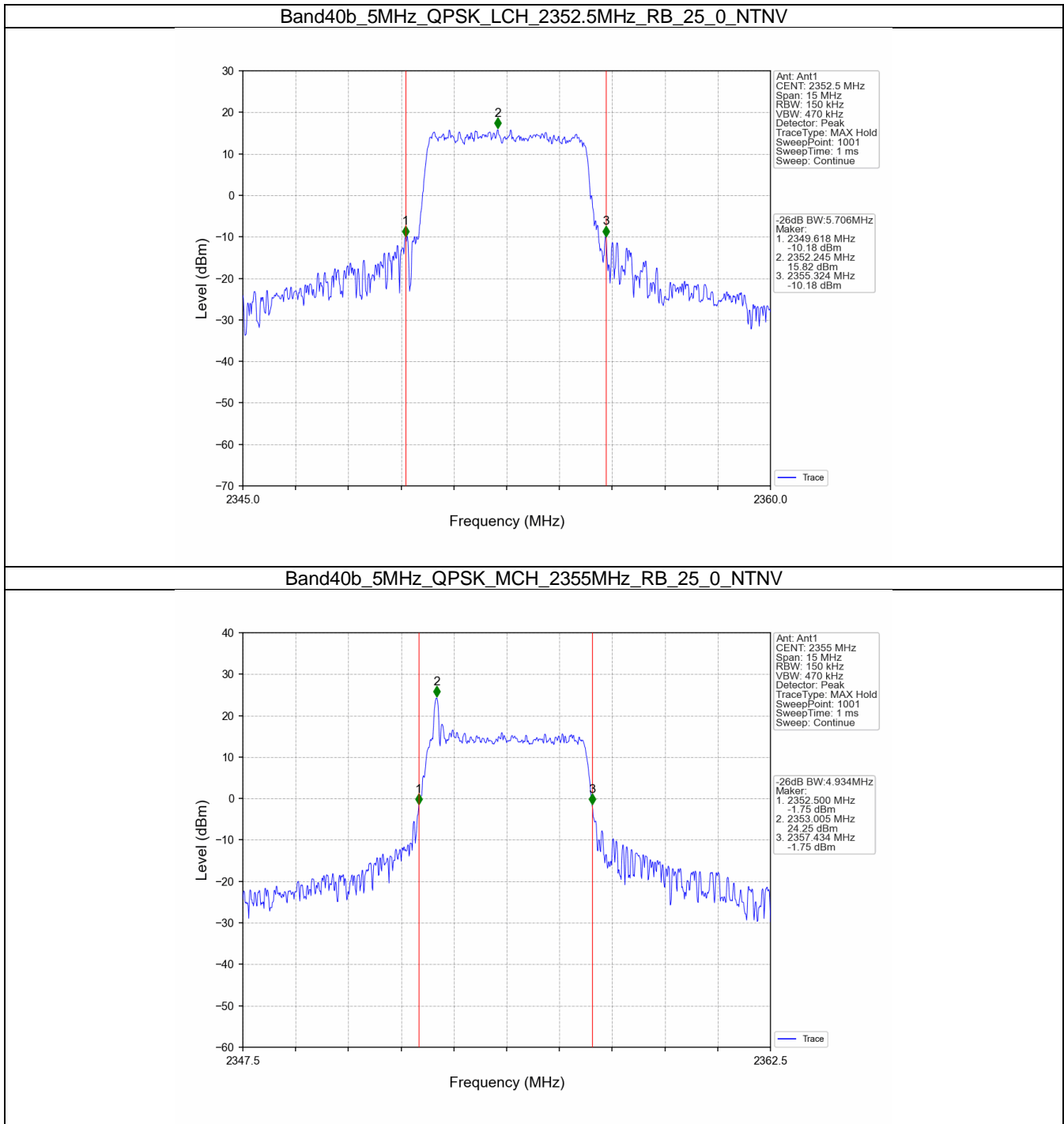


## 5.2 Band40b\_XDB

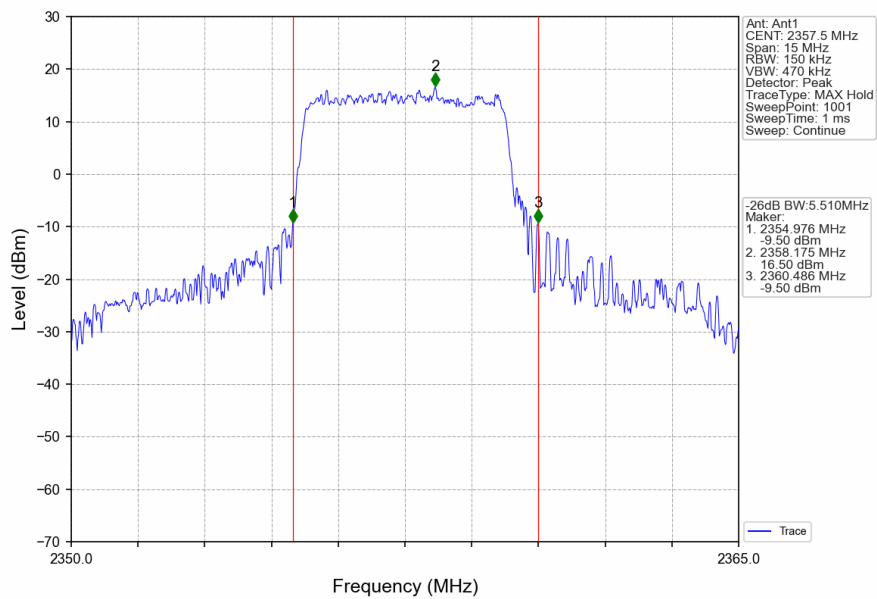
### 5.2.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	5.706	Pass
		2355	25	0	4.934	Pass
		2357.5	25	0	5.510	Pass
	16QAM	2352.5	25	0	4.910	Pass
		2355	25	0	5.770	Pass
		2357.5	25	0	5.613	Pass
10	QPSK	2355	50	0	11.019	Pass
	16QAM	2355	50	0	10.353	Pass

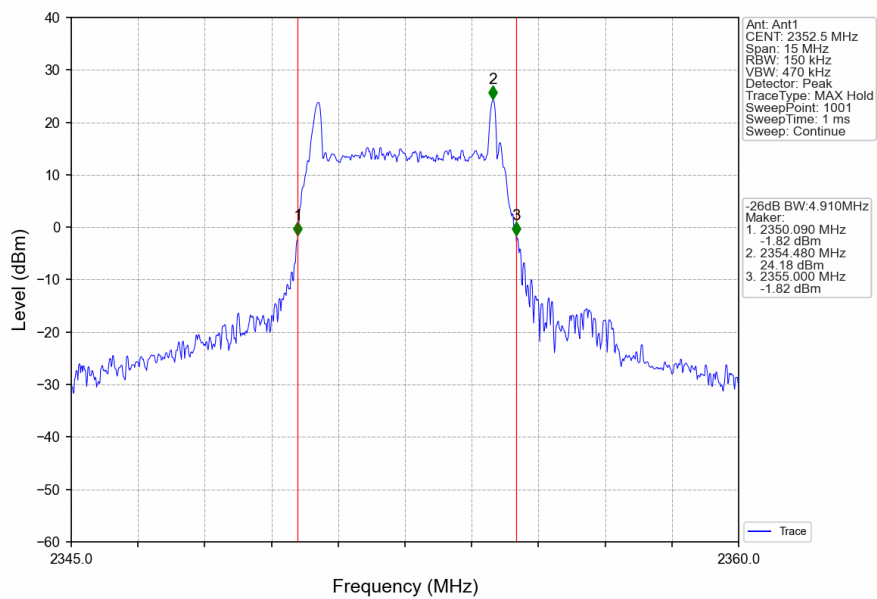
### 5.2.2 Test Graph



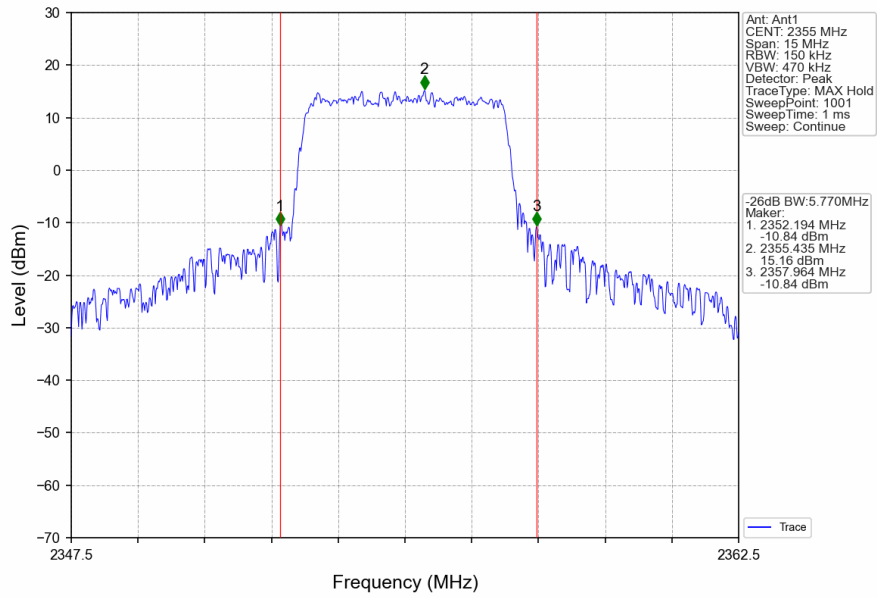
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



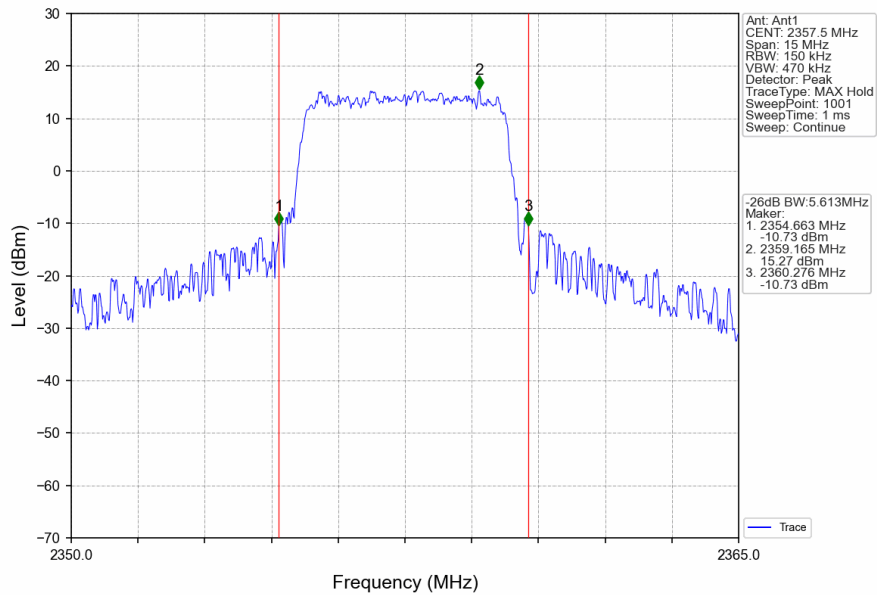
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV

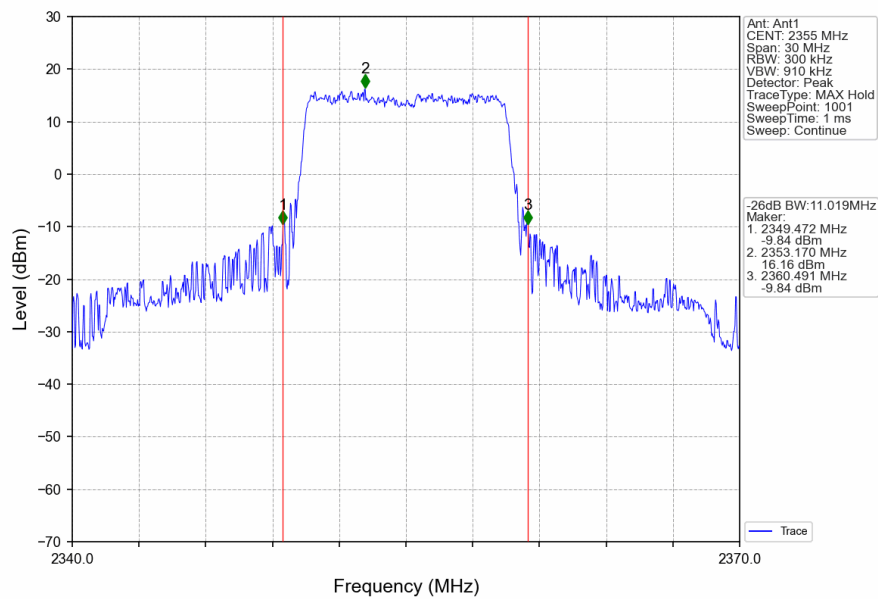


Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV

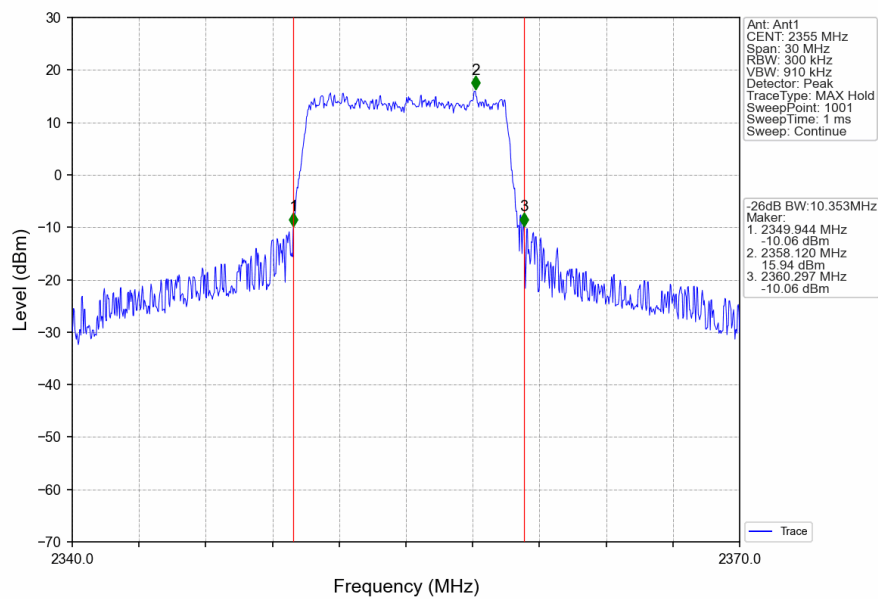




Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_50\_0\_NTNV



Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_50\_0\_NTNV



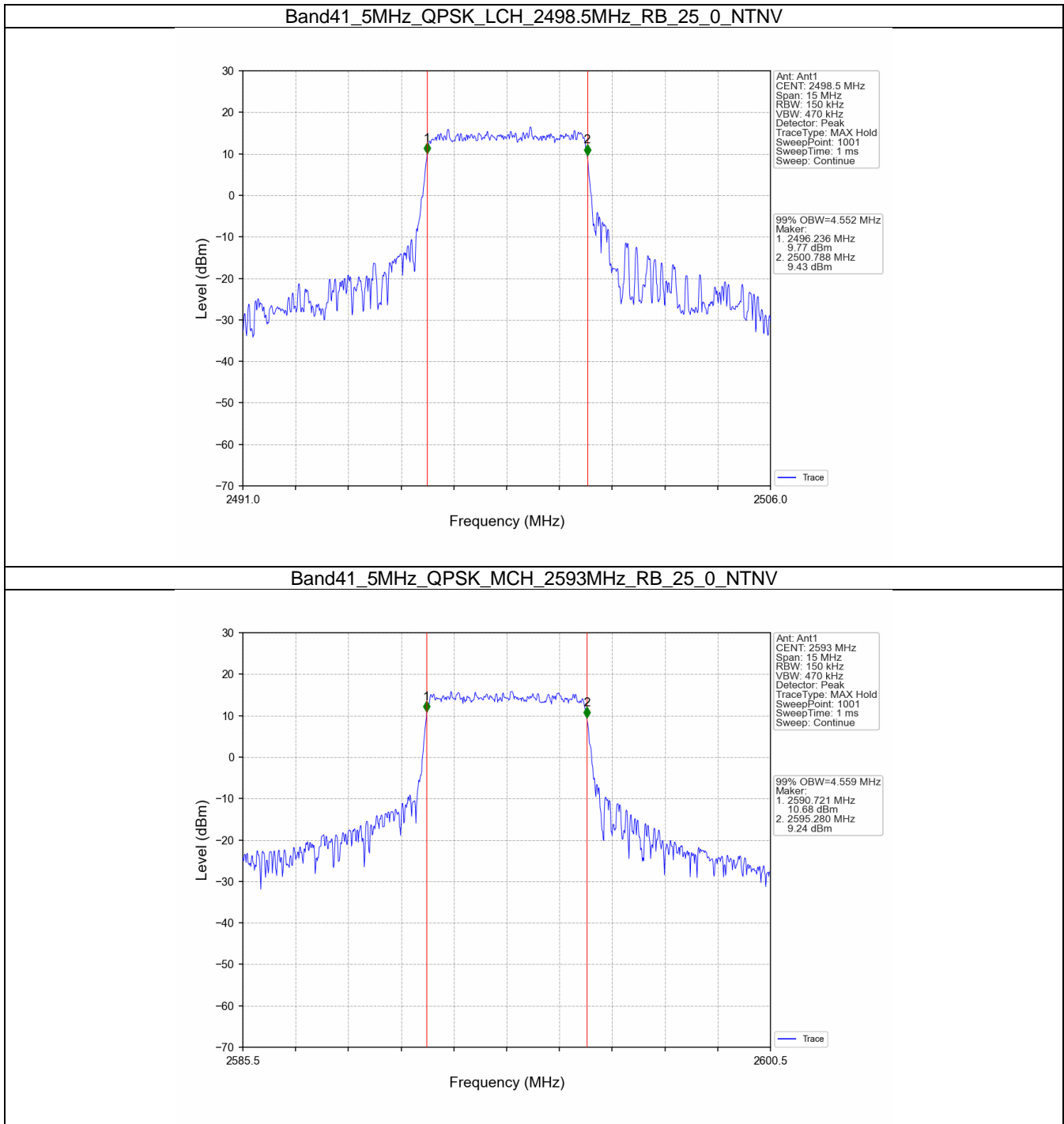
## 6. 99% & 26dB Bandwidth

### 6.1 Band41\_OBW

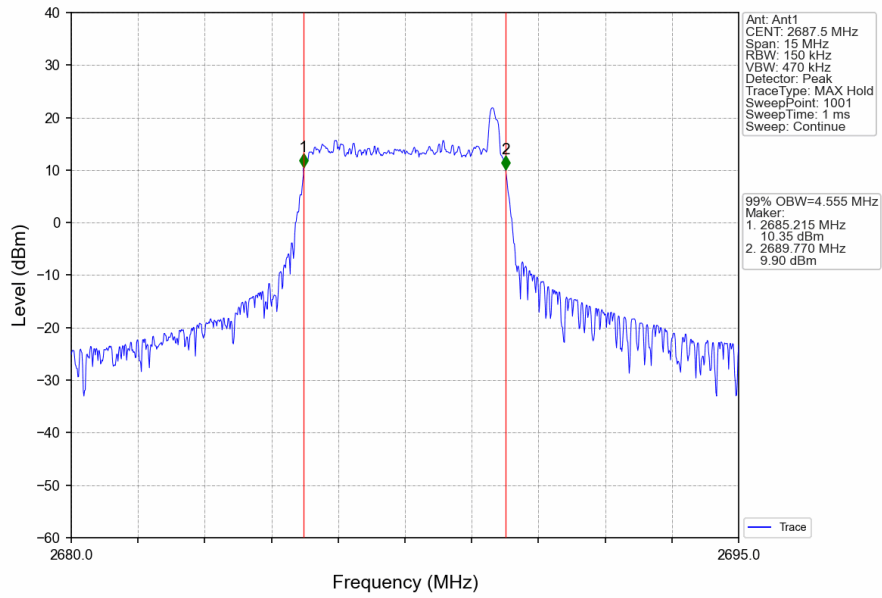
#### 6.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.552	Pass
		2593	25	0	4.559	Pass
		2687.5	25	0	4.555	Pass
	16QAM	2498.5	25	0	4.567	Pass
		2593	25	0	4.599	Pass
		2687.5	25	0	4.577	Pass
10	QPSK	2501	50	0	9.102	Pass
		2593	50	0	9.090	Pass
		2685	50	0	8.995	Pass
	16QAM	2501	50	0	9.042	Pass
		2593	50	0	9.025	Pass
		2685	50	0	9.067	Pass
15	QPSK	2503.5	75	0	13.649	Pass
		2593	75	0	13.620	Pass
		2682.5	75	0	13.547	Pass
	16QAM	2503.5	75	0	13.627	Pass
		2593	75	0	13.675	Pass
		2682.5	75	0	13.498	Pass
20	QPSK	2506	100	0	18.145	Pass
		2593	100	0	18.149	Pass
		2680	100	0	17.930	Pass
	16QAM	2506	100	0	18.117	Pass
		2593	100	0	18.175	Pass
		2680	100	0	18.076	Pass

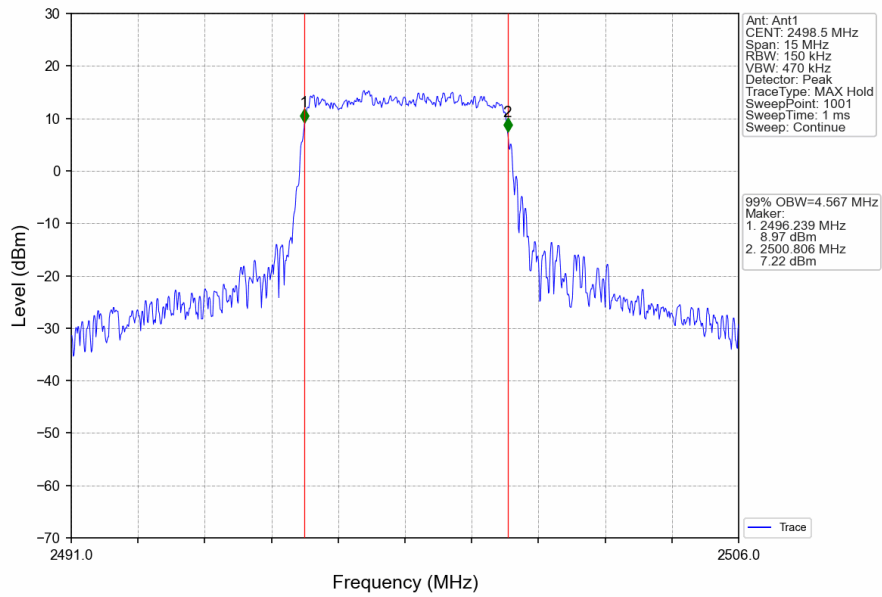
### 6.1.2 Test Graph



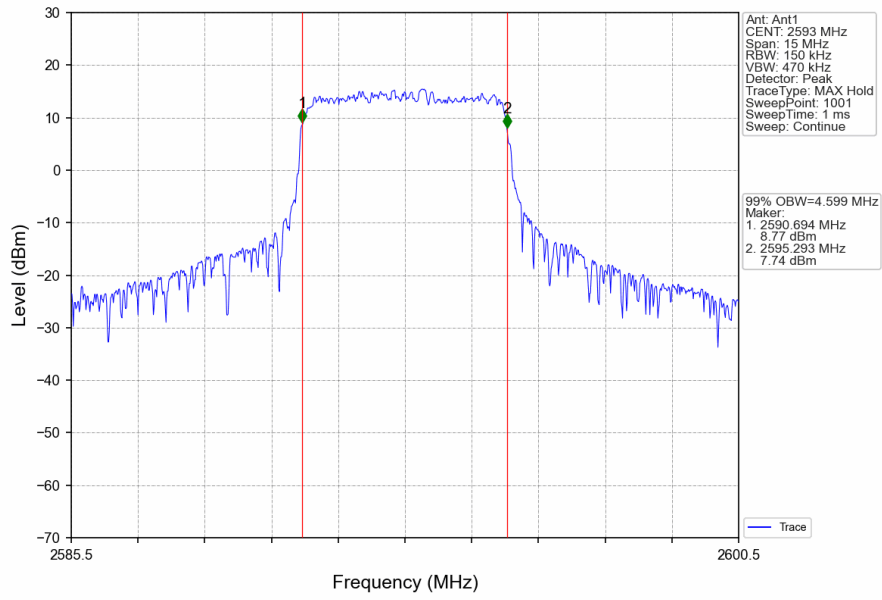
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



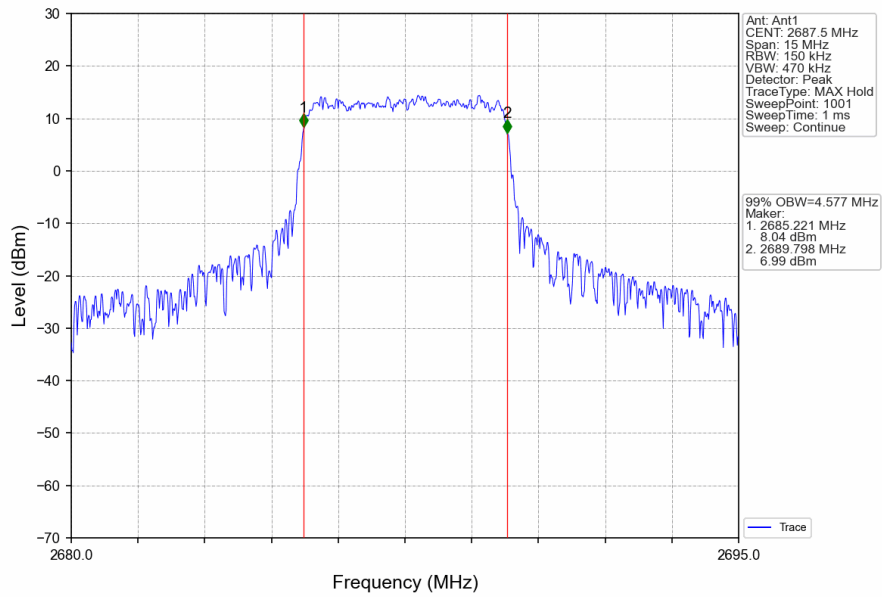
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



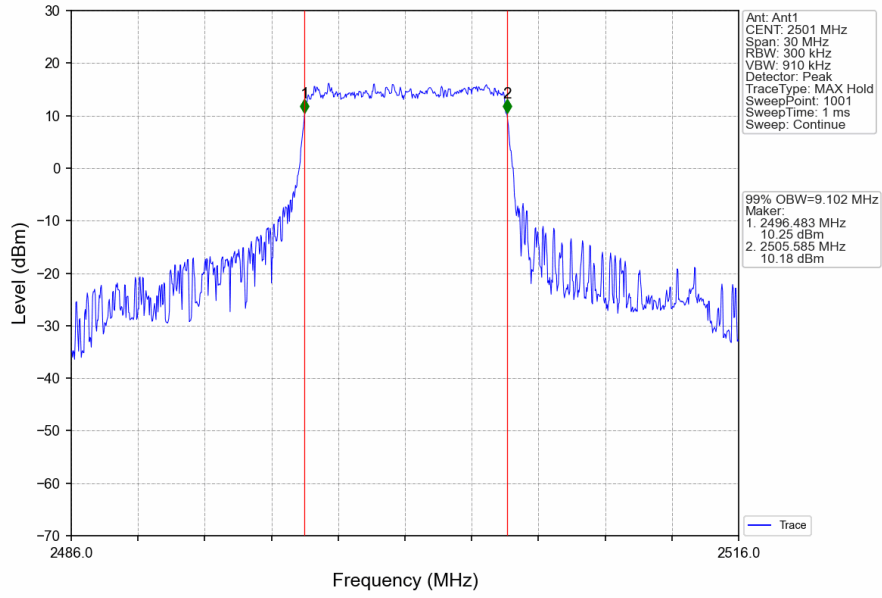
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



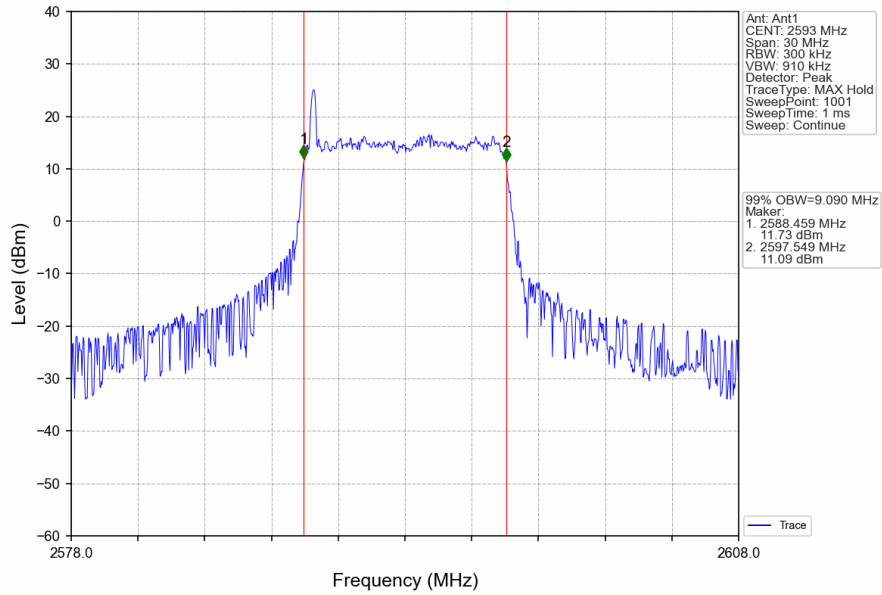
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



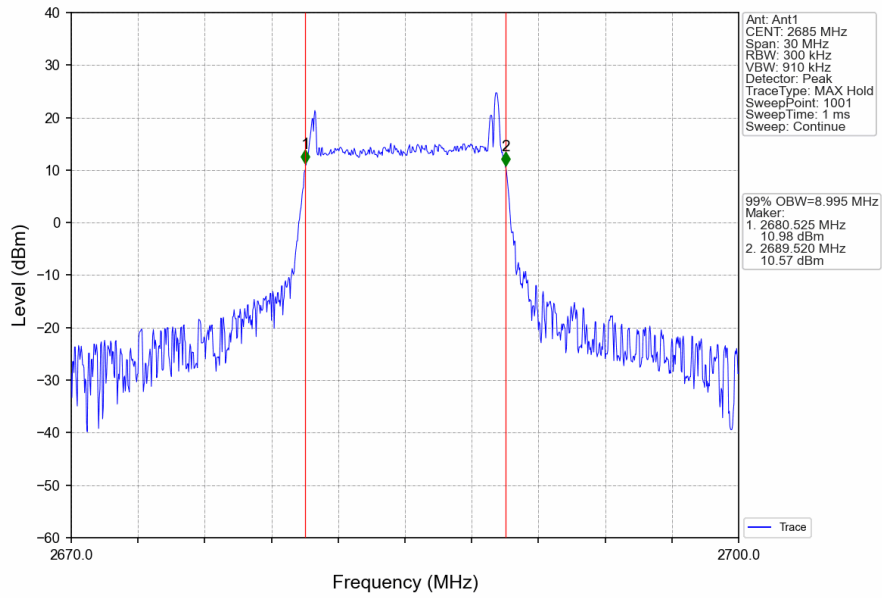
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



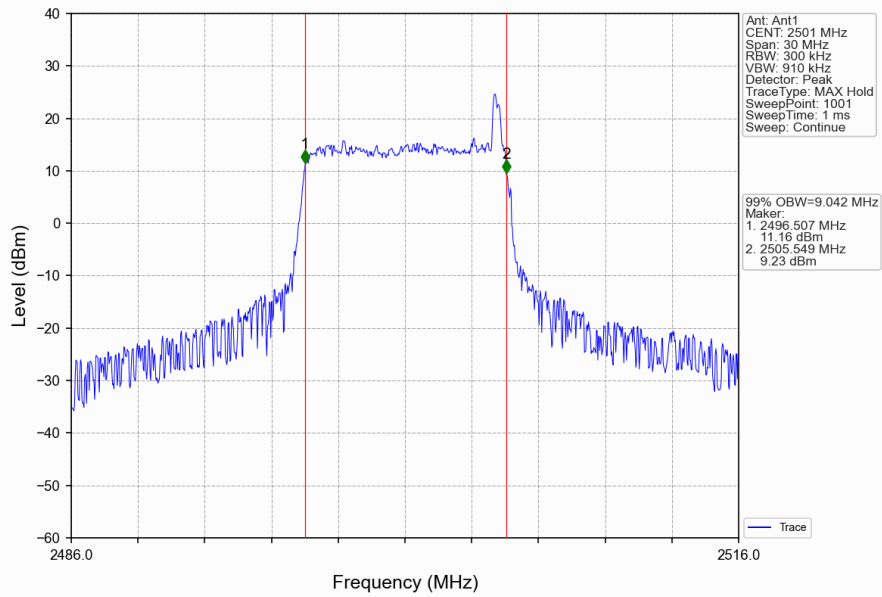
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



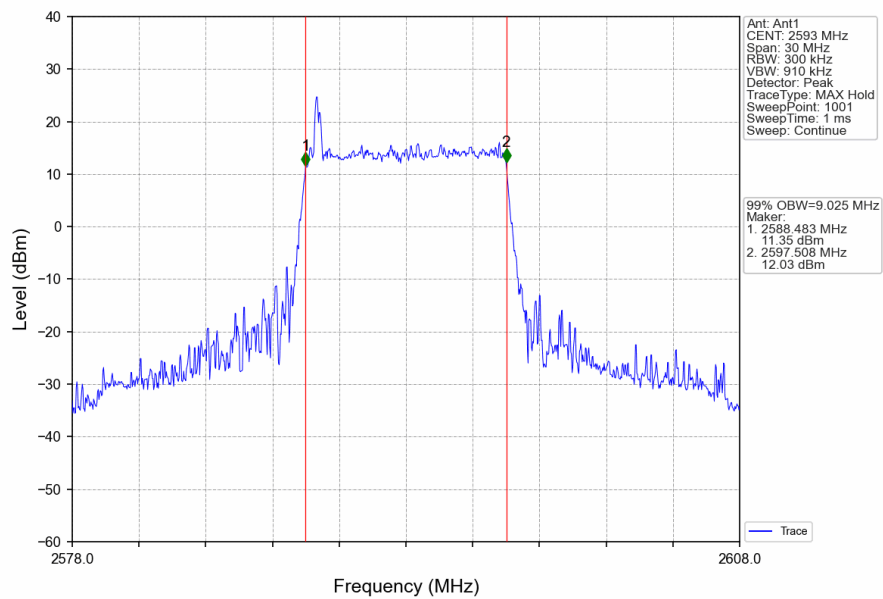
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



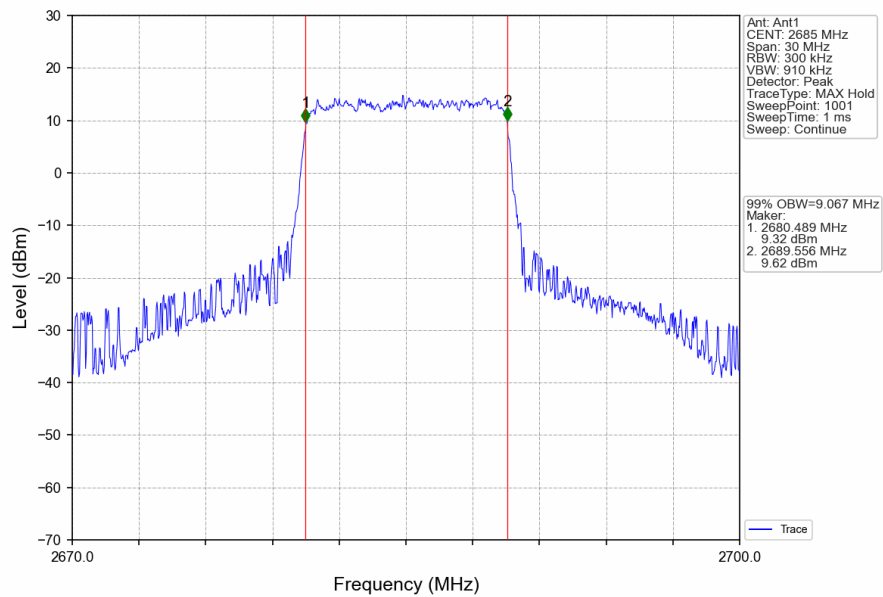
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV

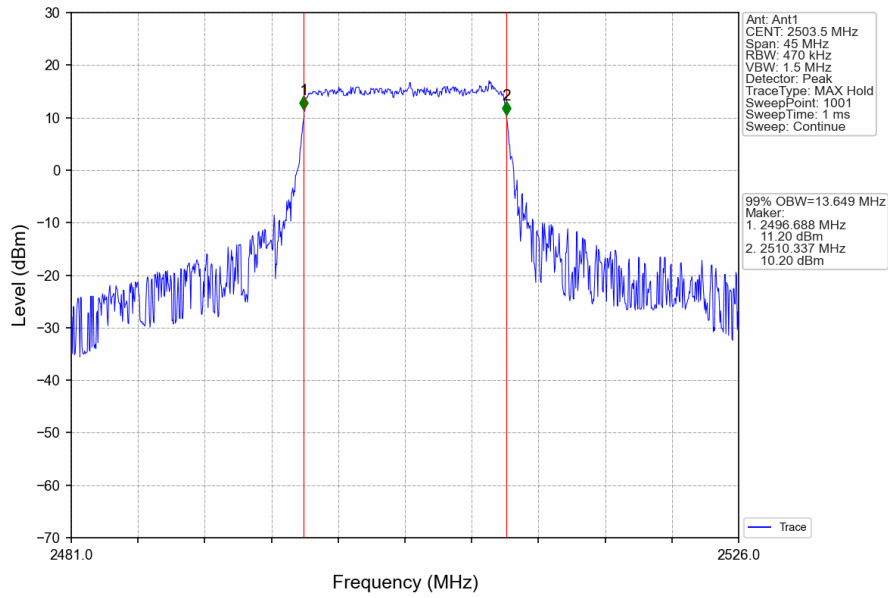


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

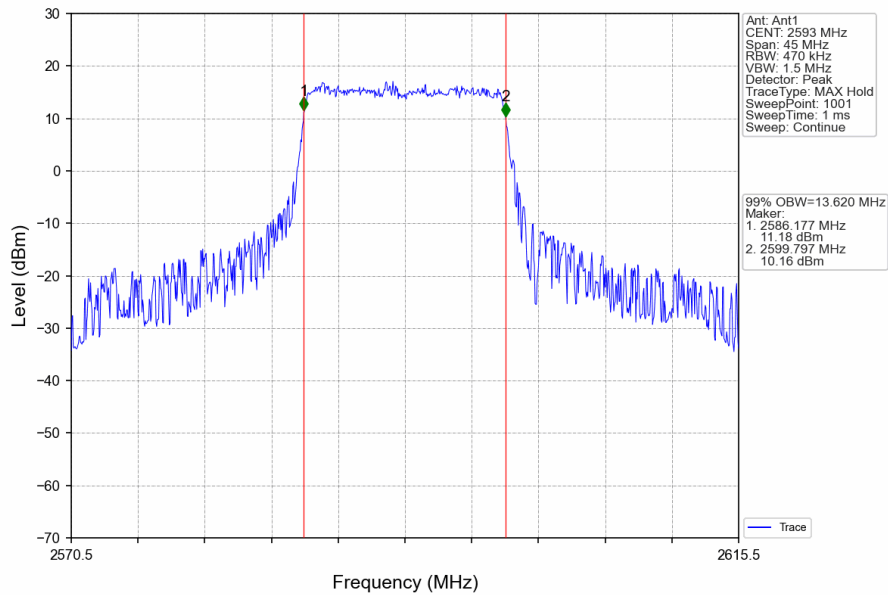




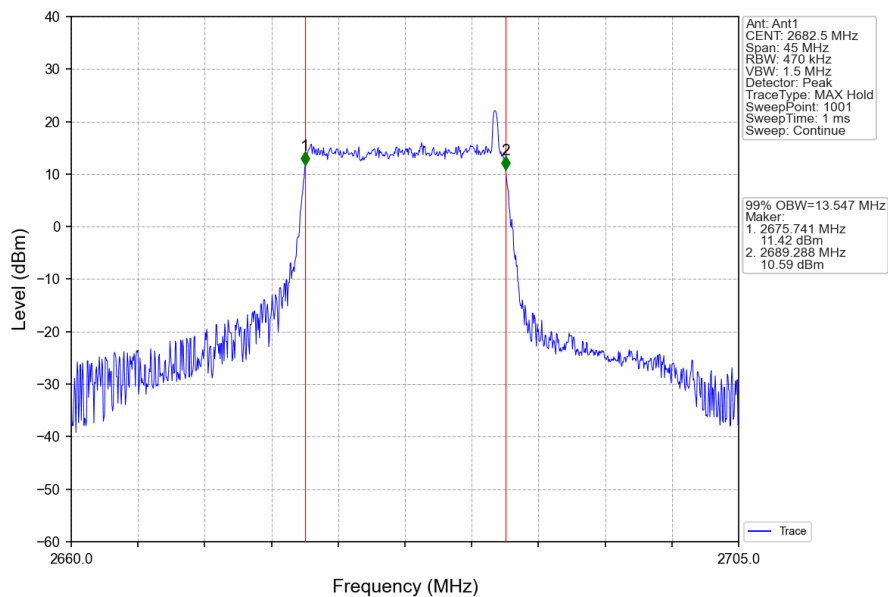
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



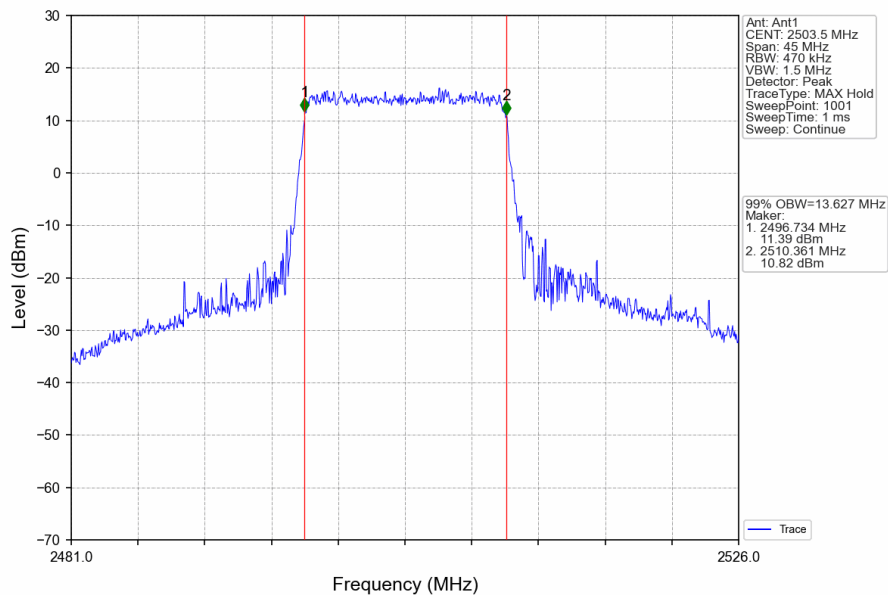
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



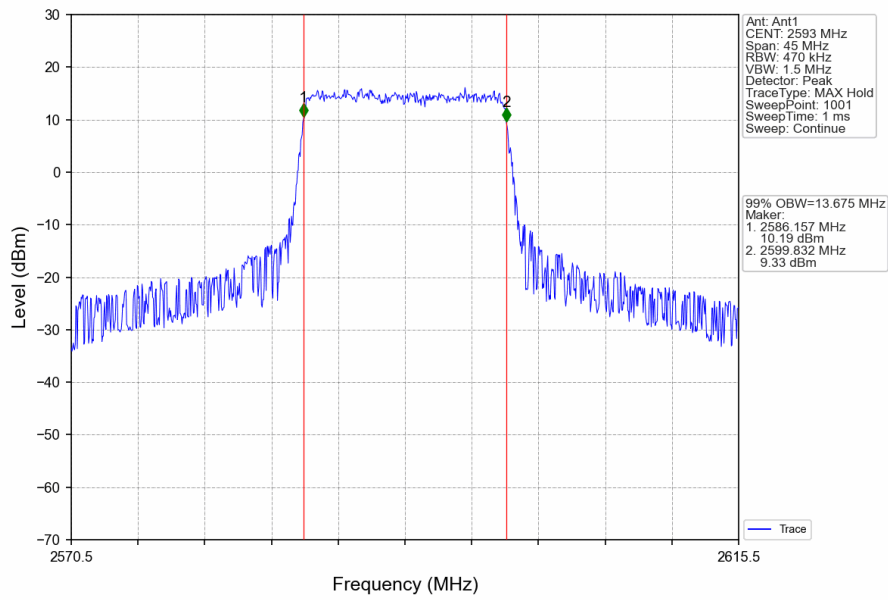
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



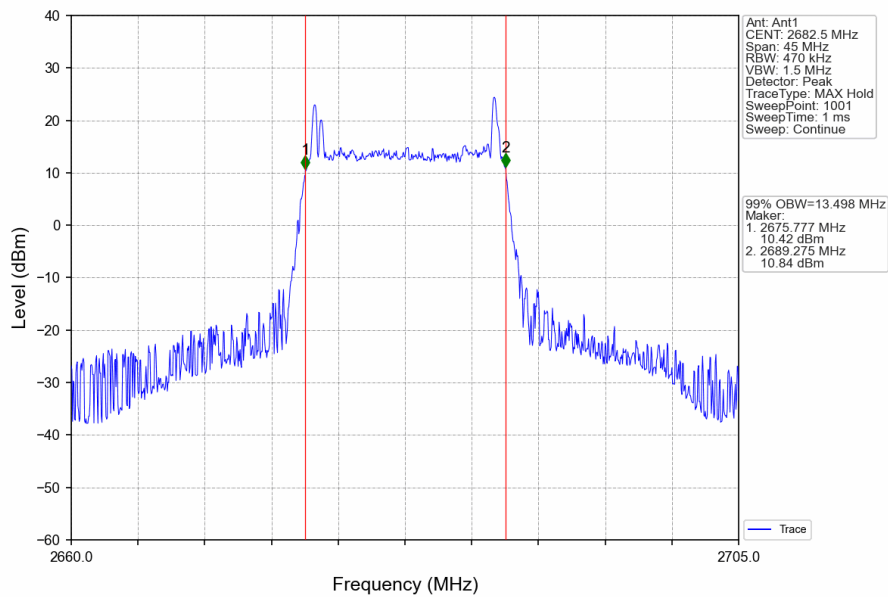
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



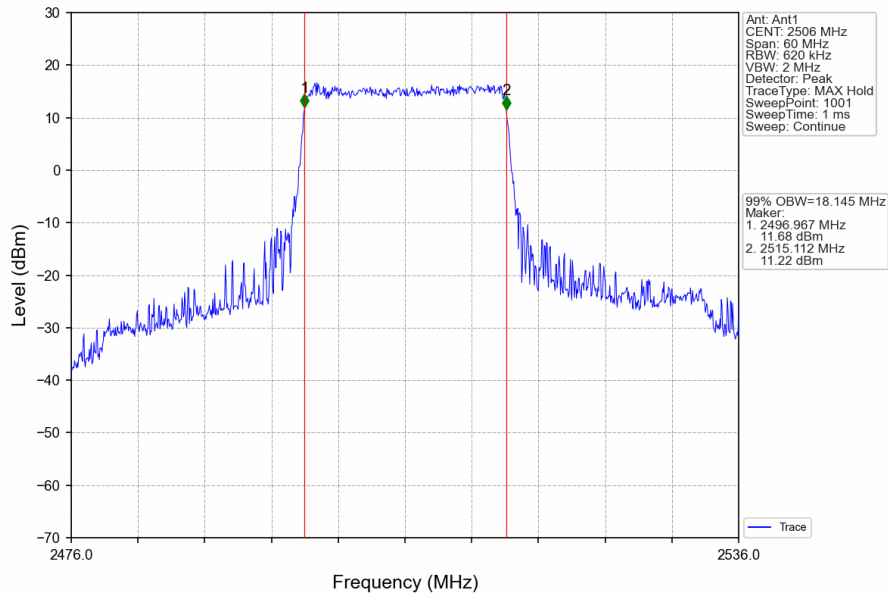
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



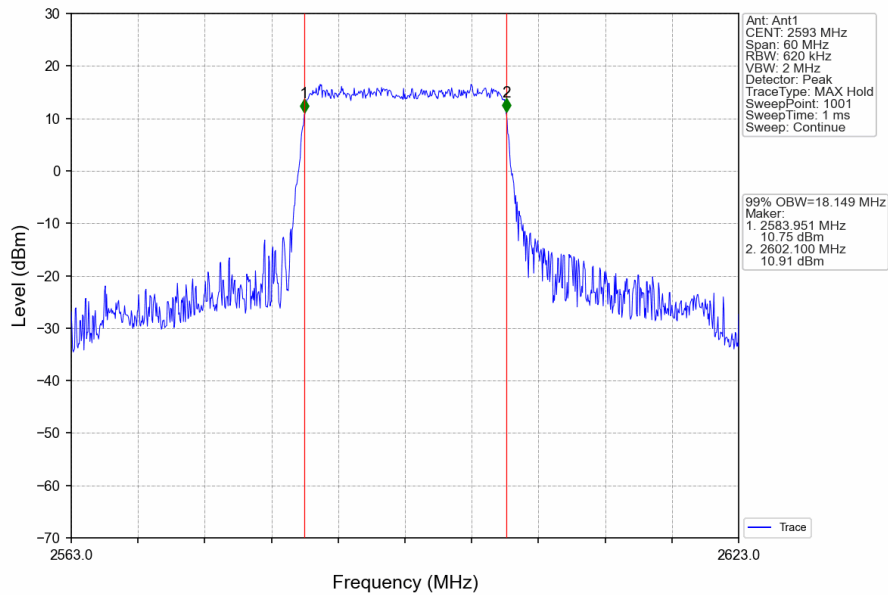
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



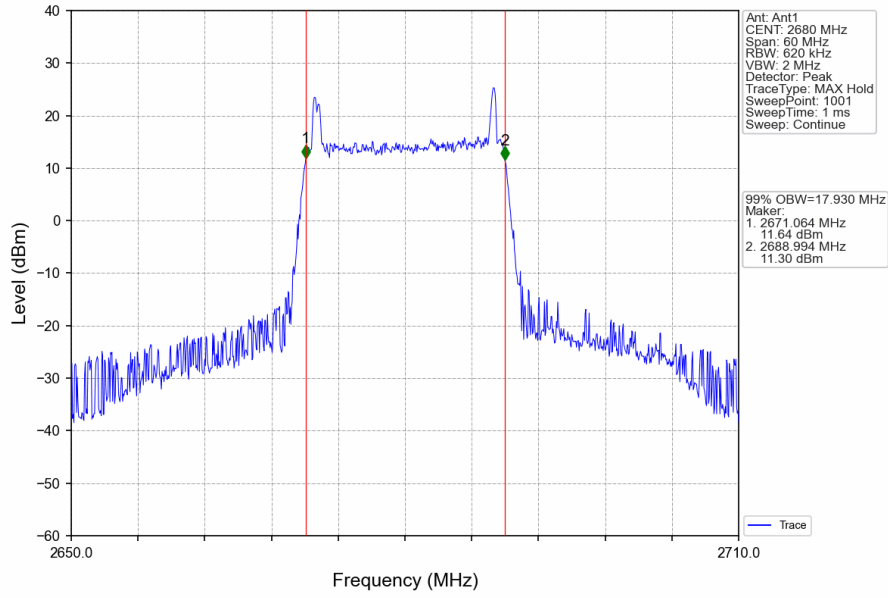
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



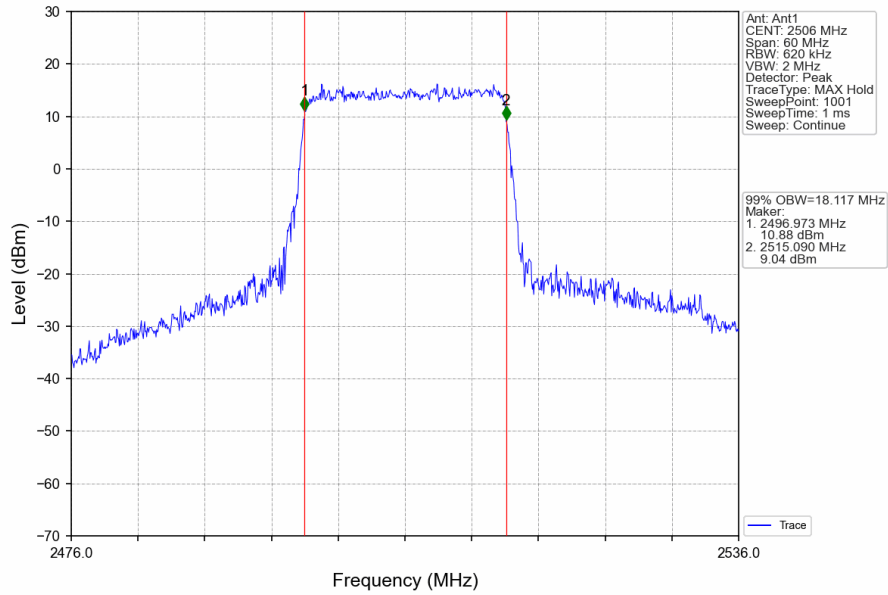
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



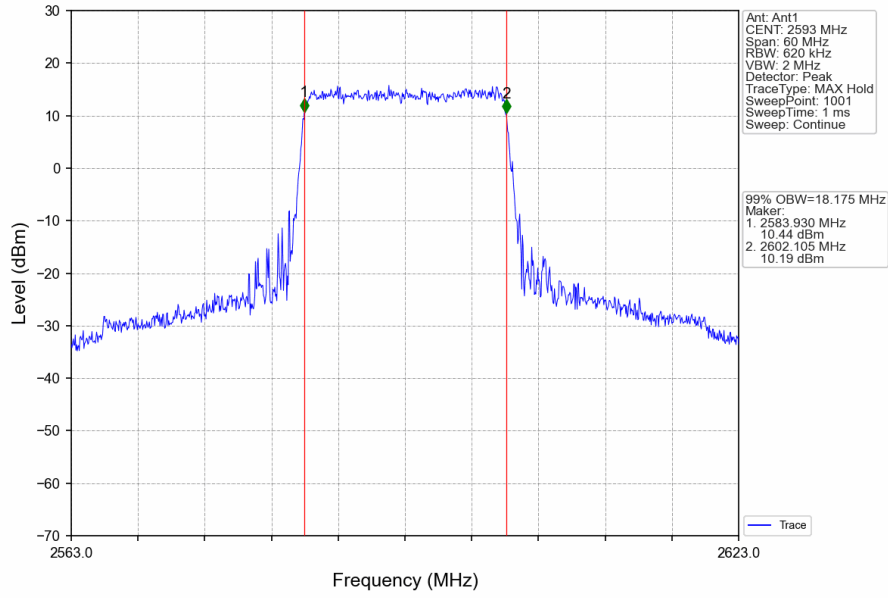
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



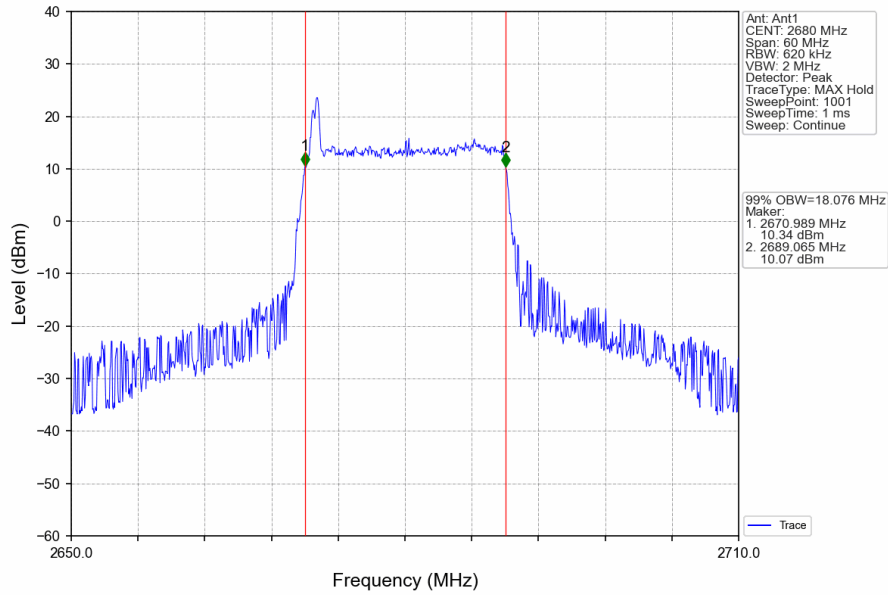
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV

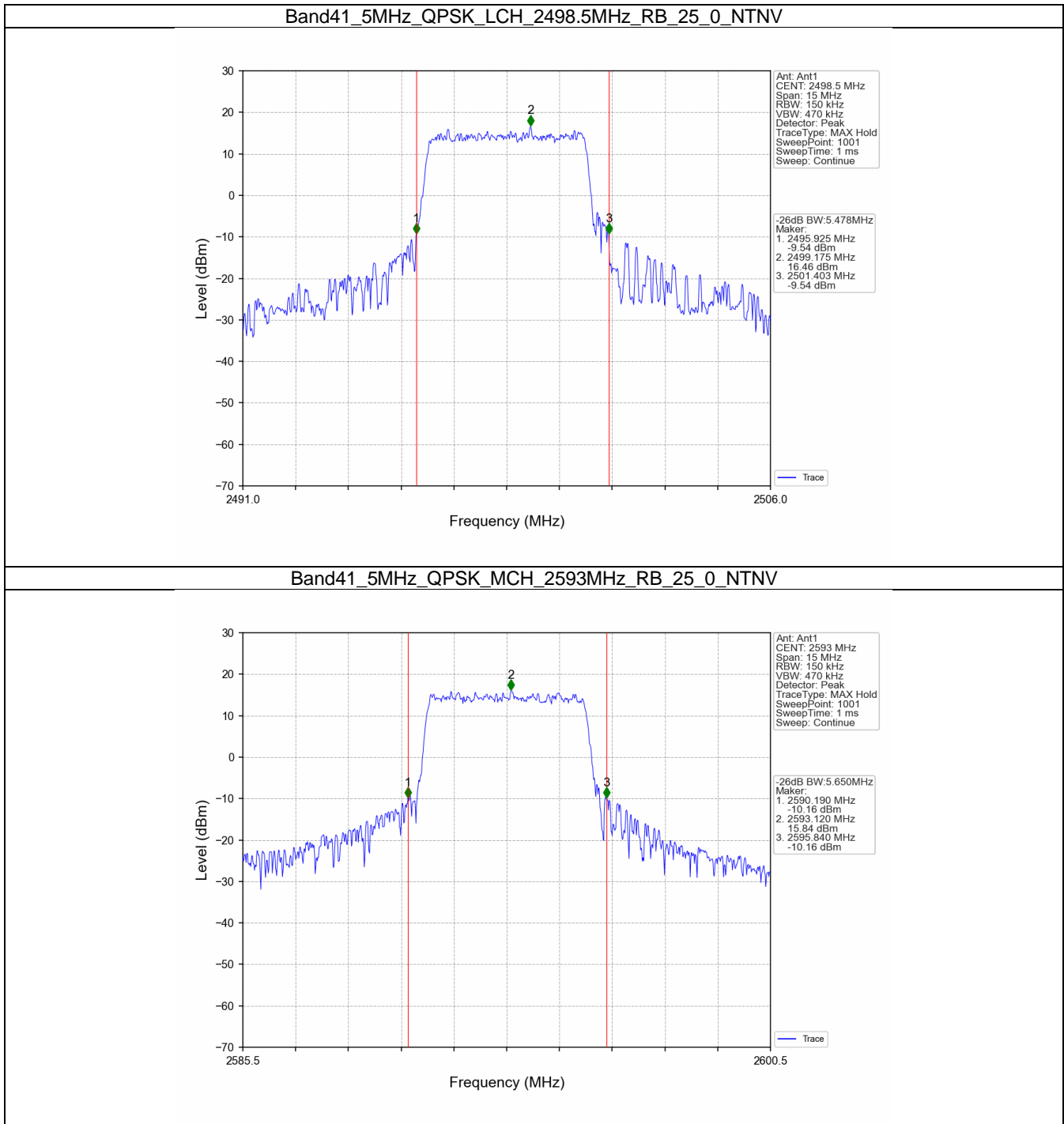


## 6.2 Band41\_XDB

### 6.2.1 Test Result

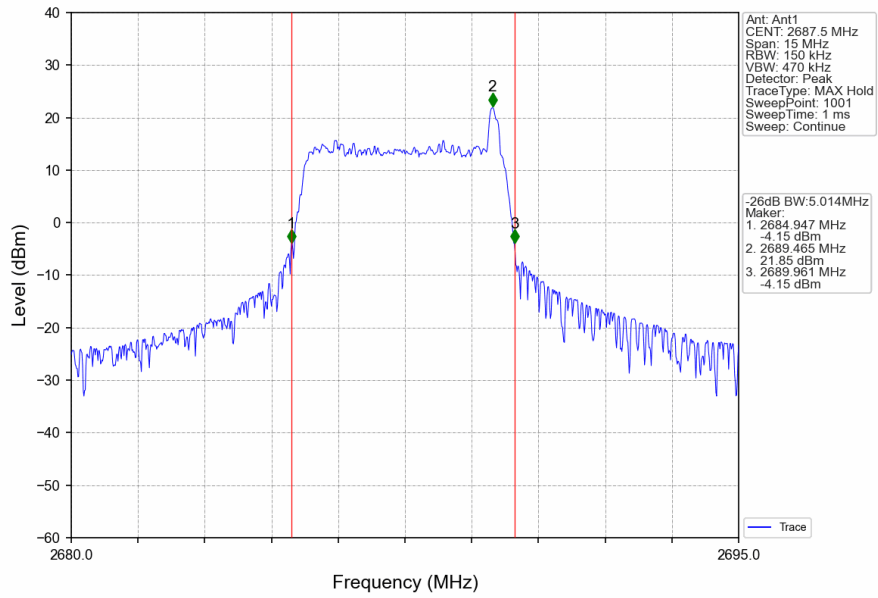
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.478	Pass
		2593	25	0	5.650	Pass
		2687.5	25	0	5.014	Pass
	16QAM	2498.5	25	0	5.257	Pass
		2593	25	0	5.589	Pass
		2687.5	25	0	5.750	Pass
10	QPSK	2501	50	0	11.204	Pass
		2593	50	0	9.743	Pass
		2685	50	0	9.569	Pass
	16QAM	2501	50	0	9.649	Pass
		2593	50	0	9.621	Pass
		2685	50	0	10.235	Pass
15	QPSK	2503.5	75	0	17.048	Pass
		2593	75	0	16.657	Pass
		2682.5	75	0	14.644	Pass
	16QAM	2503.5	75	0	15.344	Pass
		2593	75	0	15.521	Pass
		2682.5	75	0	14.514	Pass
20	QPSK	2506	100	0	20.516	Pass
		2593	100	0	20.488	Pass
		2680	100	0	19.230	Pass
	16QAM	2506	100	0	20.266	Pass
		2593	100	0	20.808	Pass
		2680	100	0	19.463	Pass

## 6.2.2 Test Graph

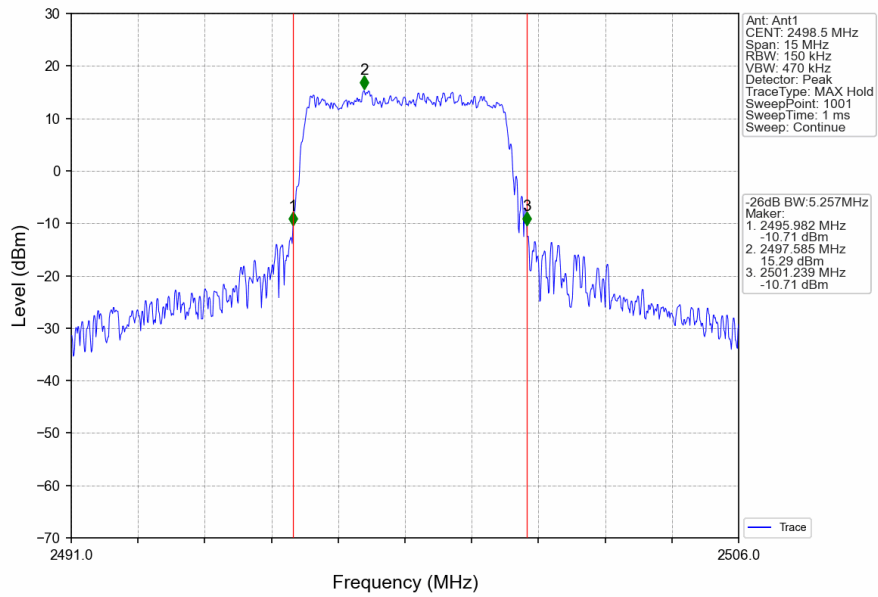




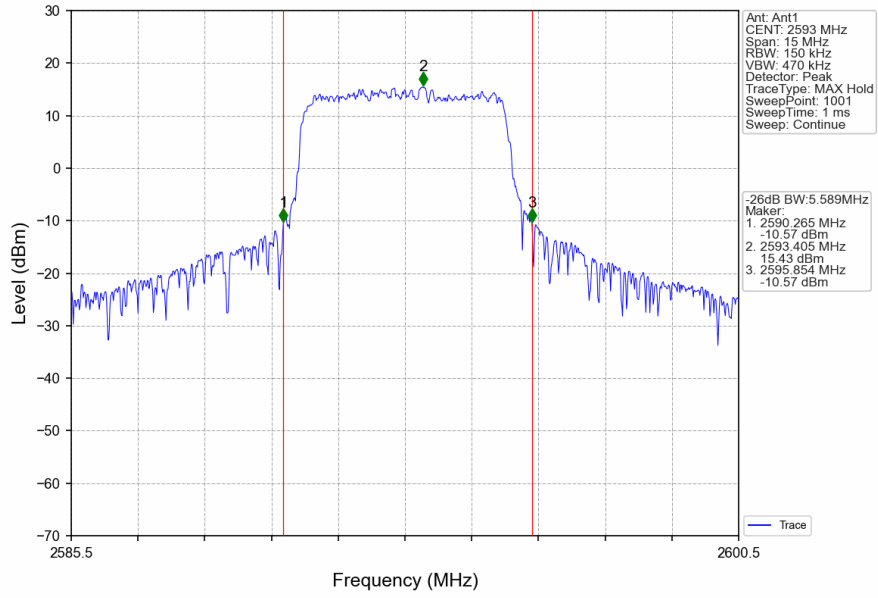
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



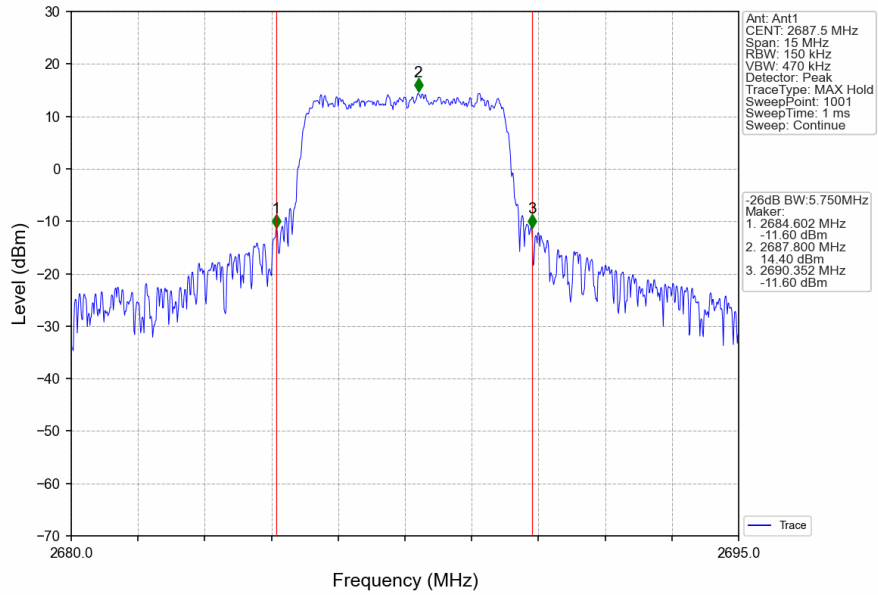
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



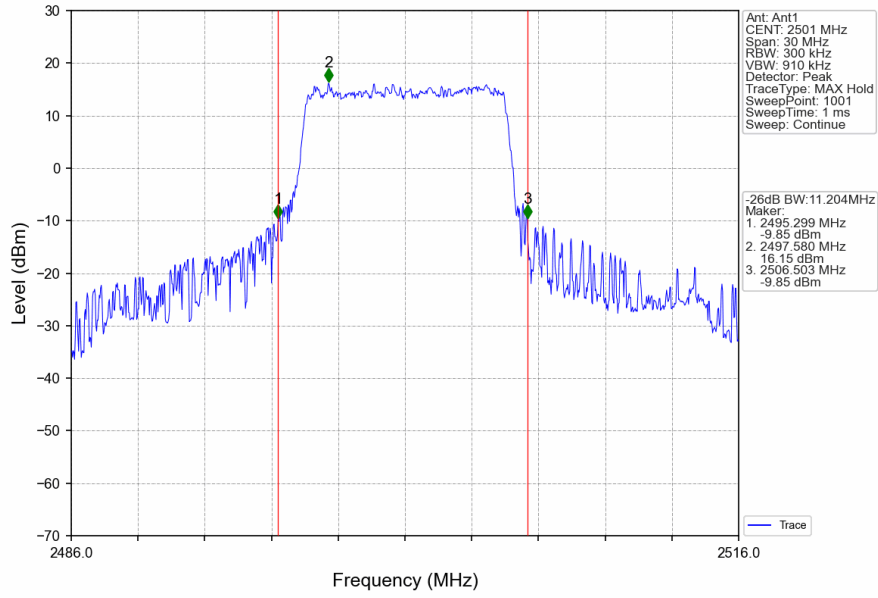
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



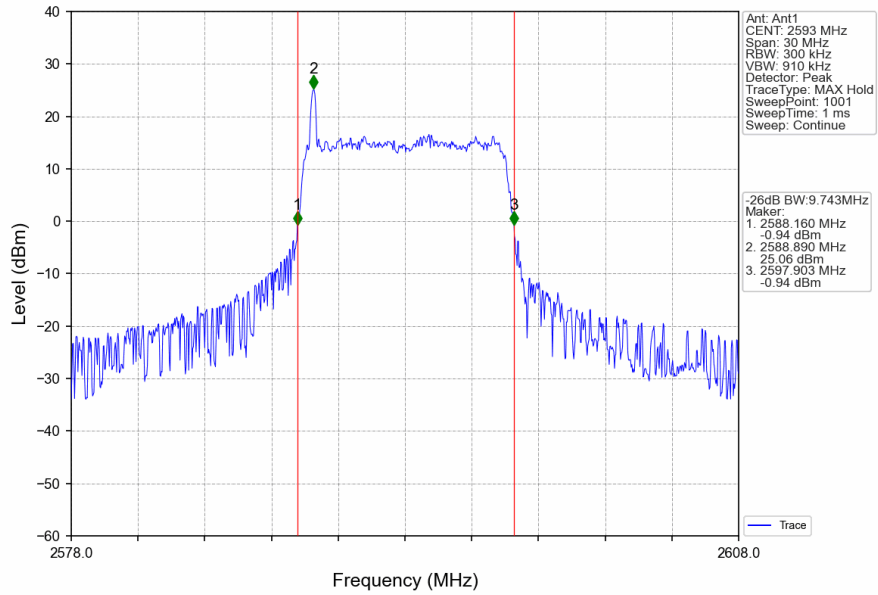
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



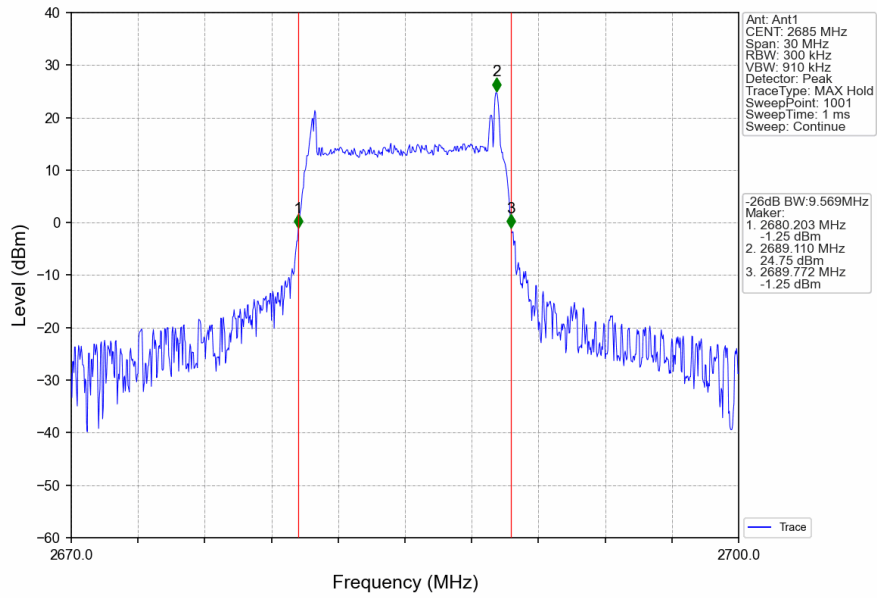
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



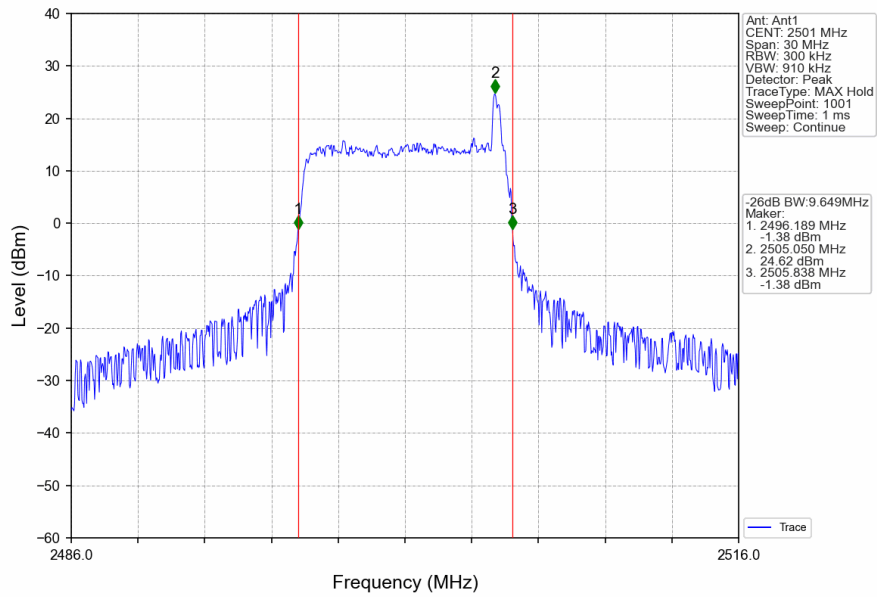
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



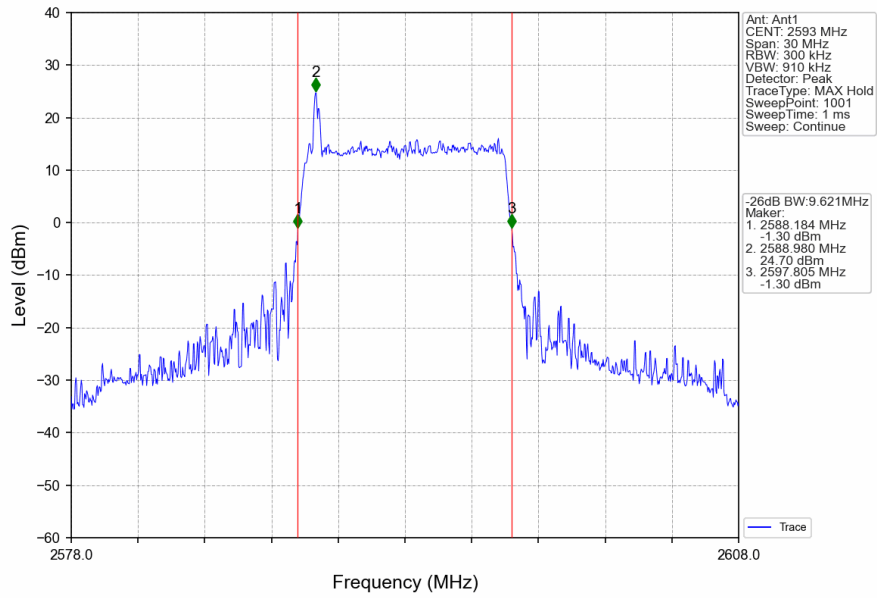
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



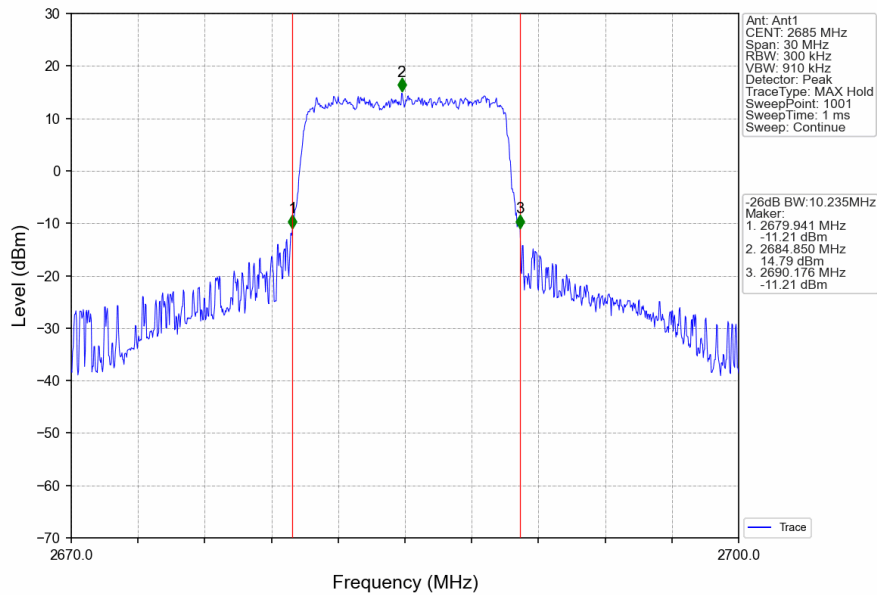
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



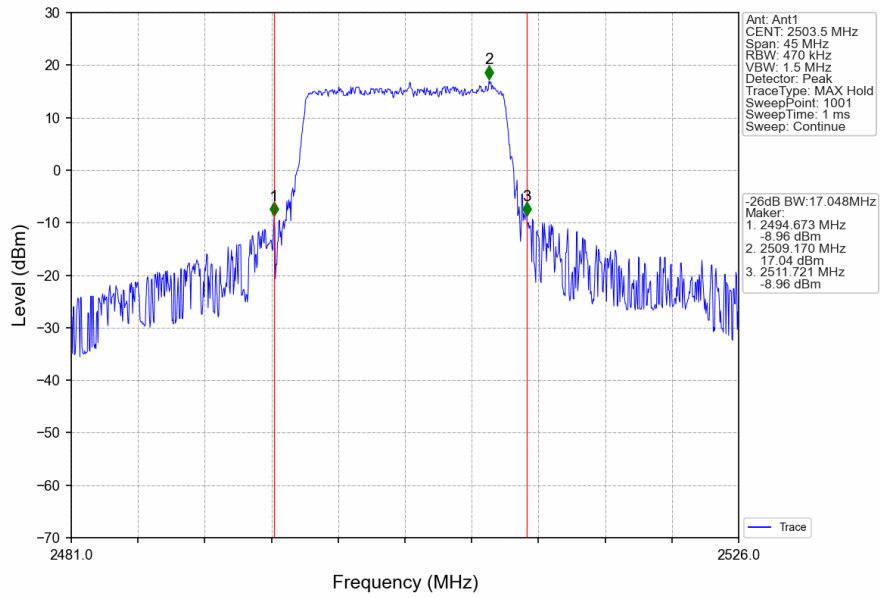
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



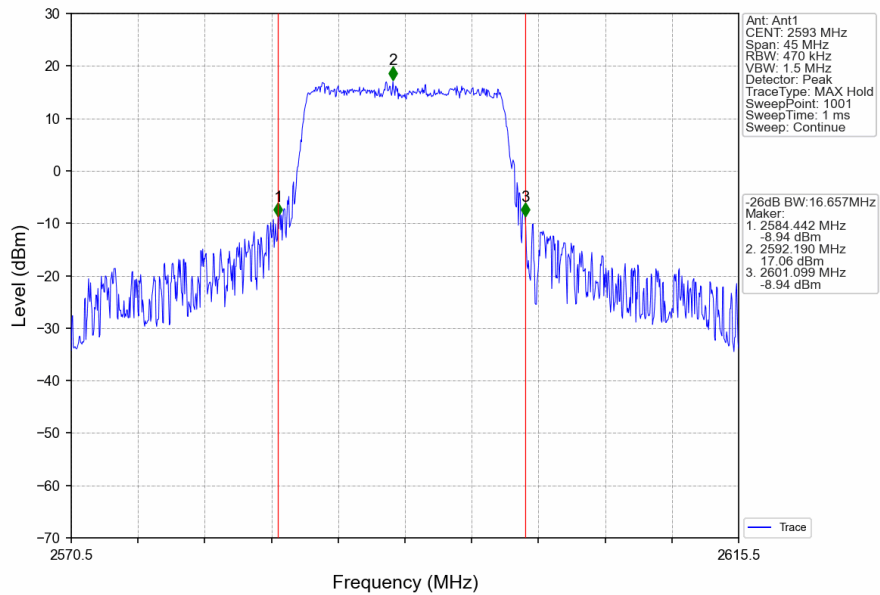
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



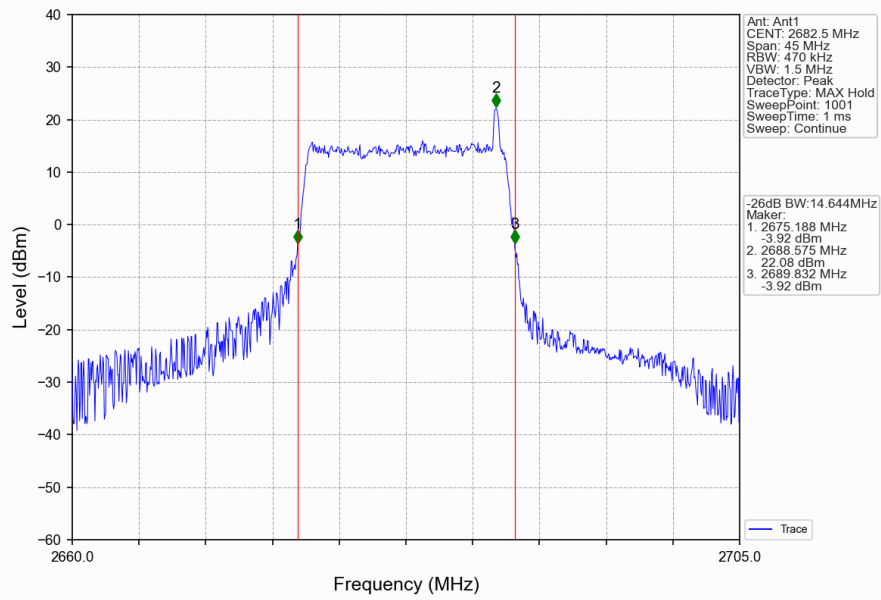
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



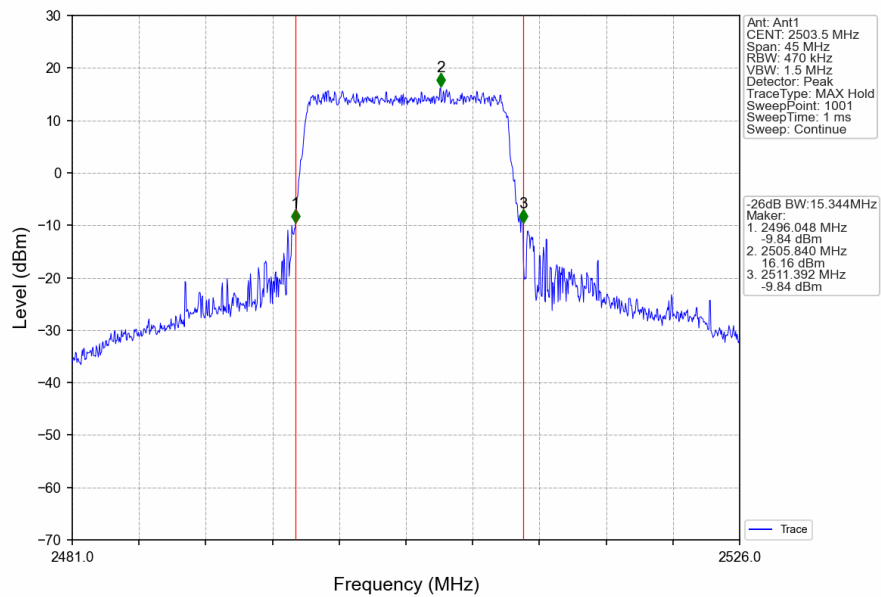
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



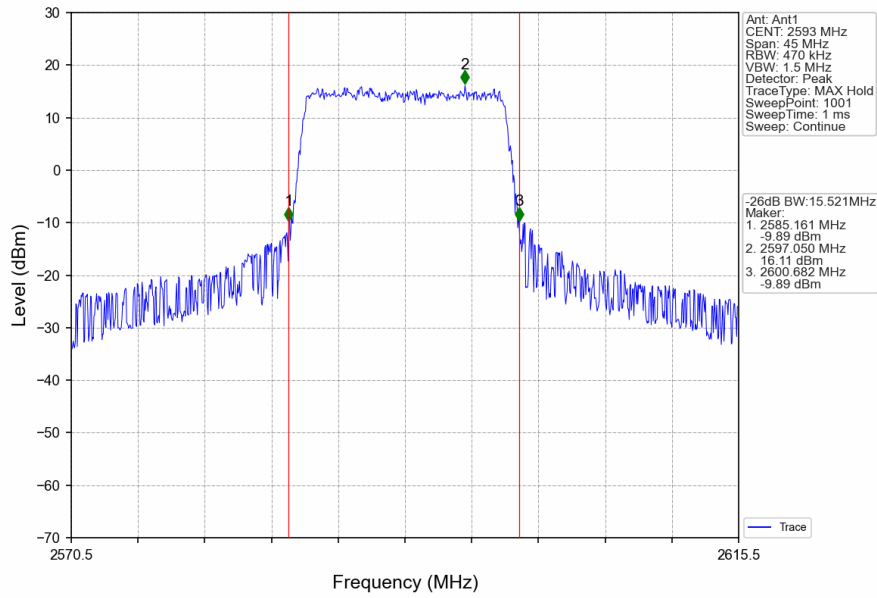
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



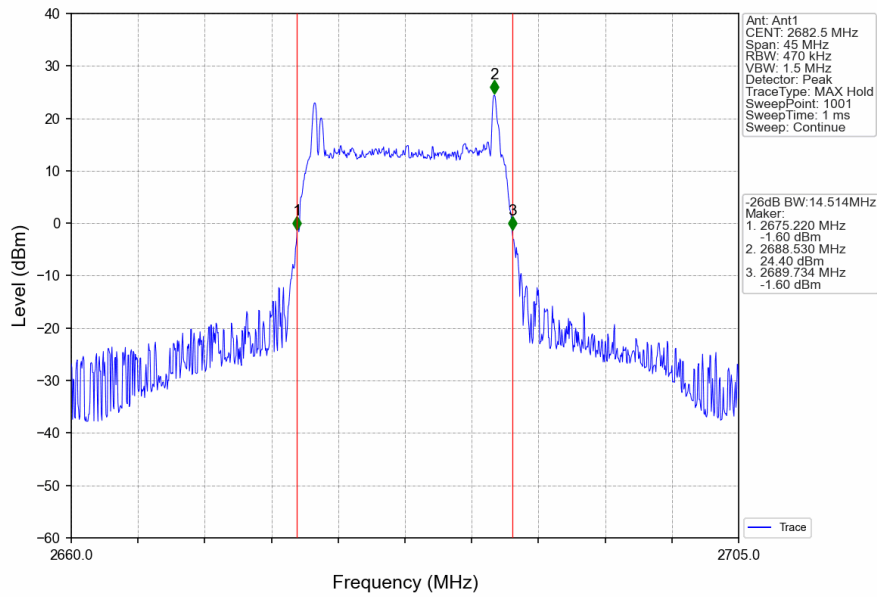
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV

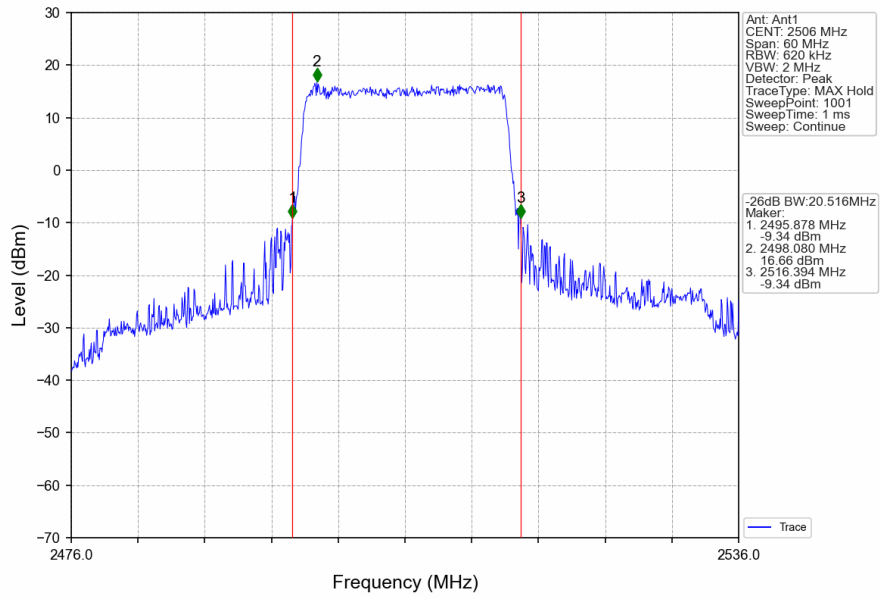


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV





Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV

