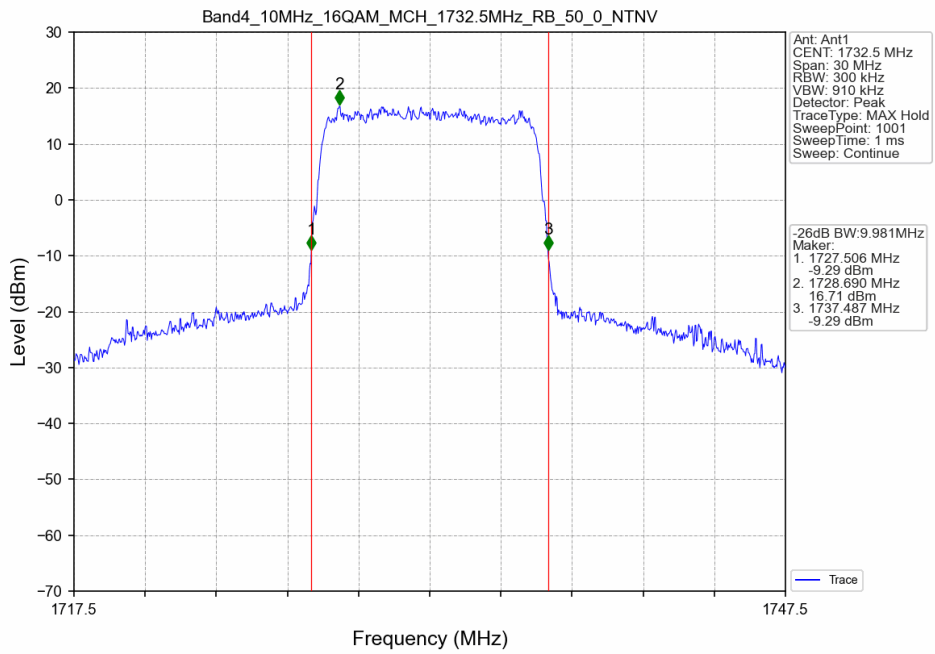
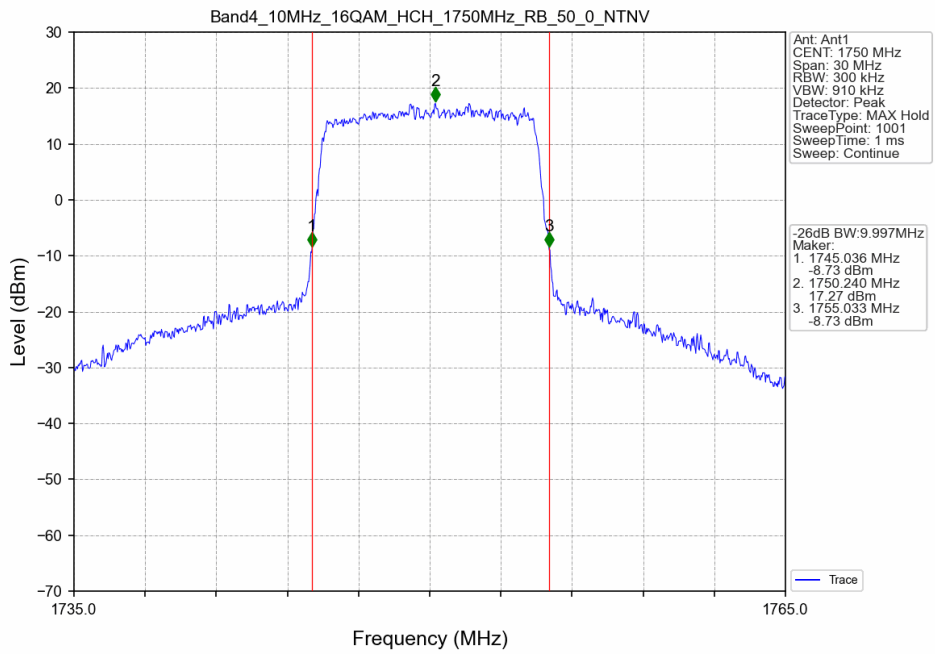


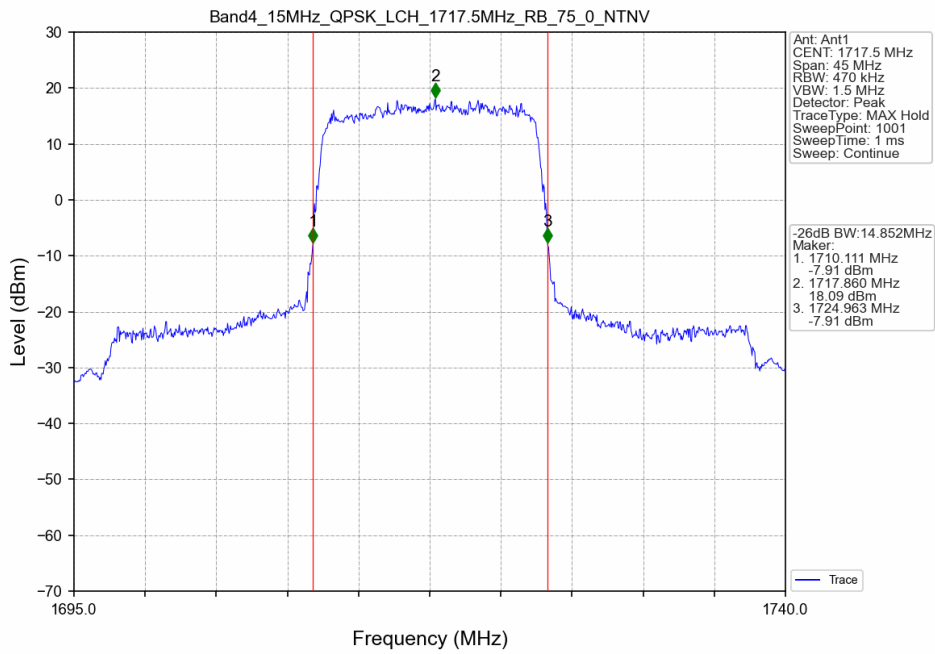
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



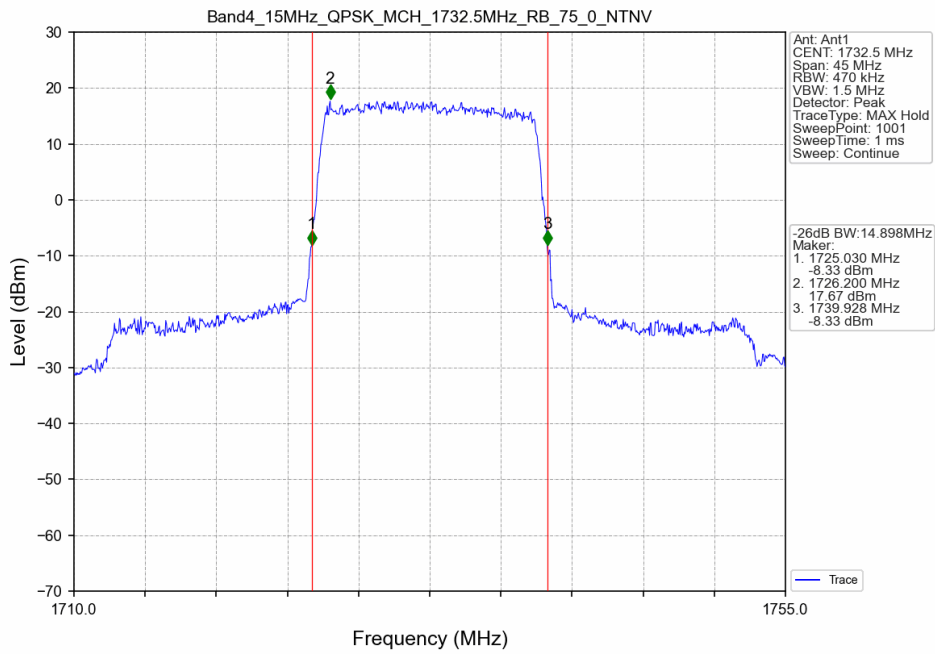
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



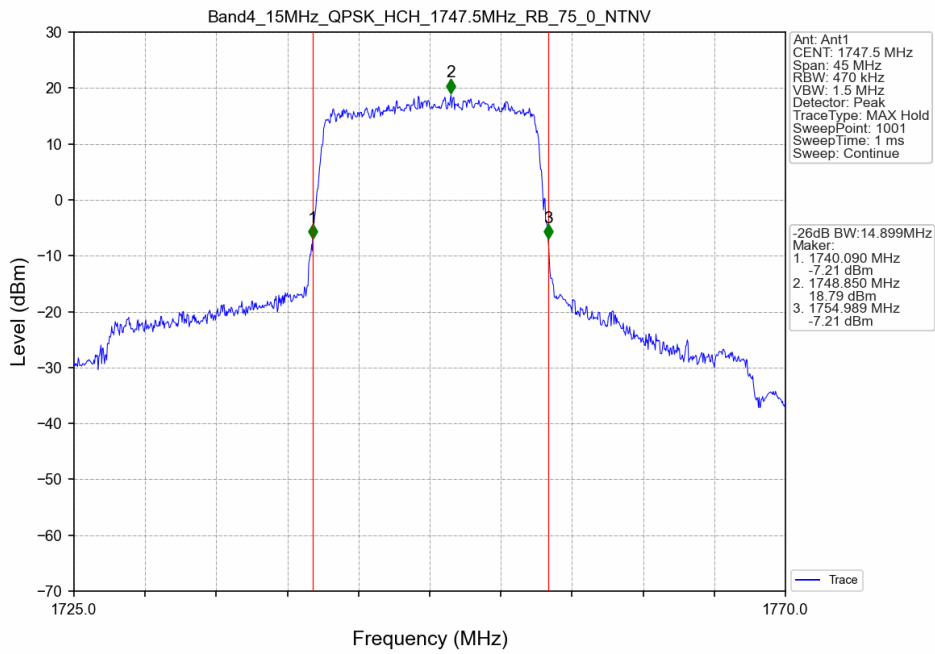
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



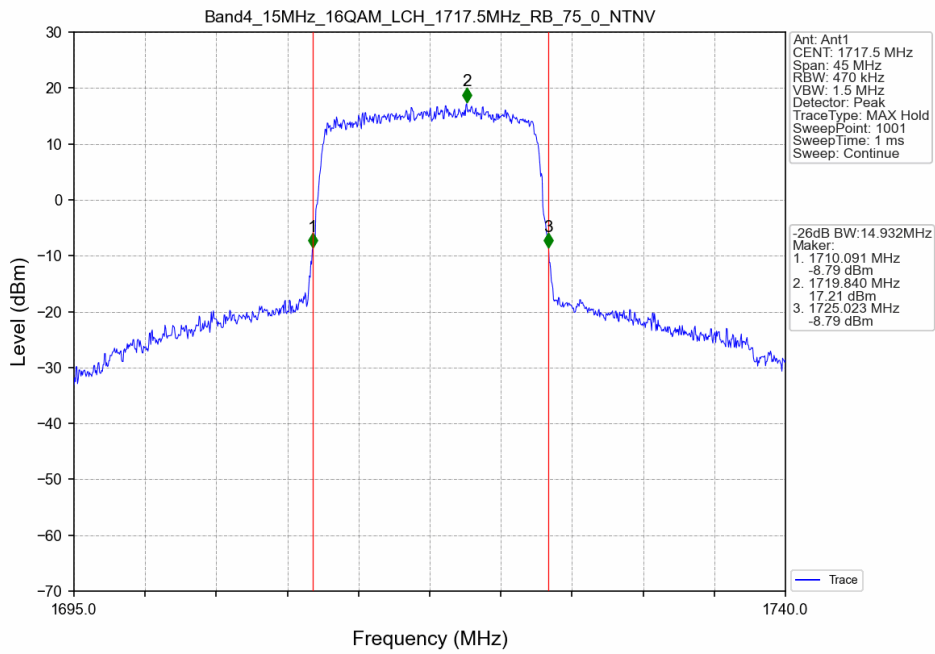
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



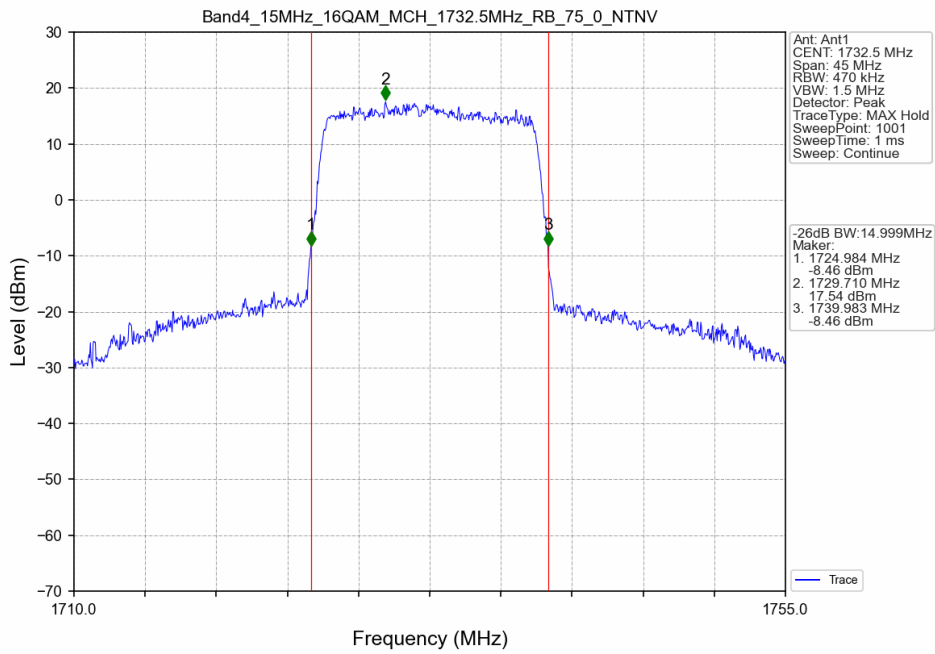
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



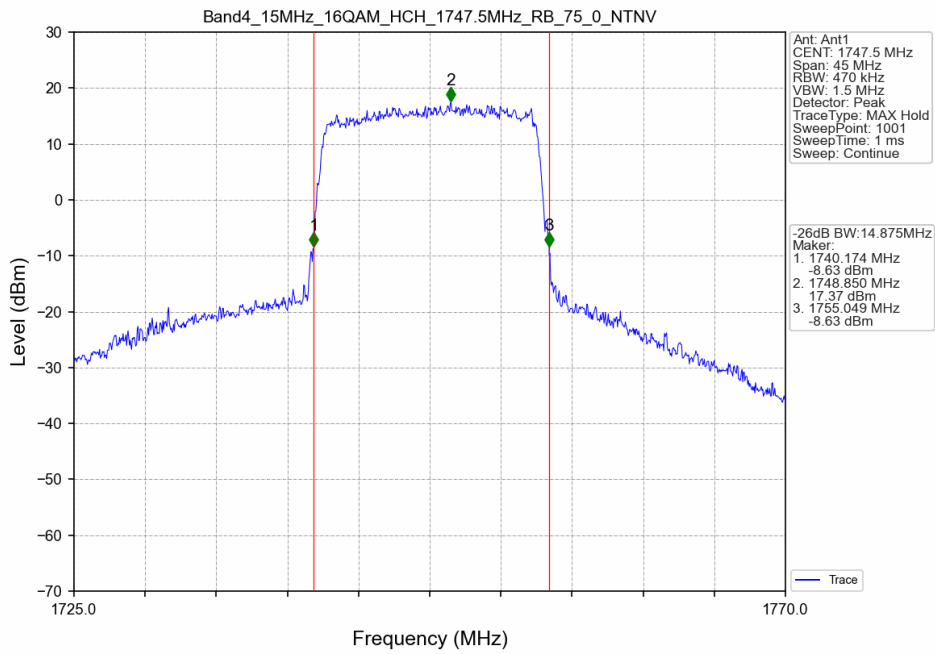
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



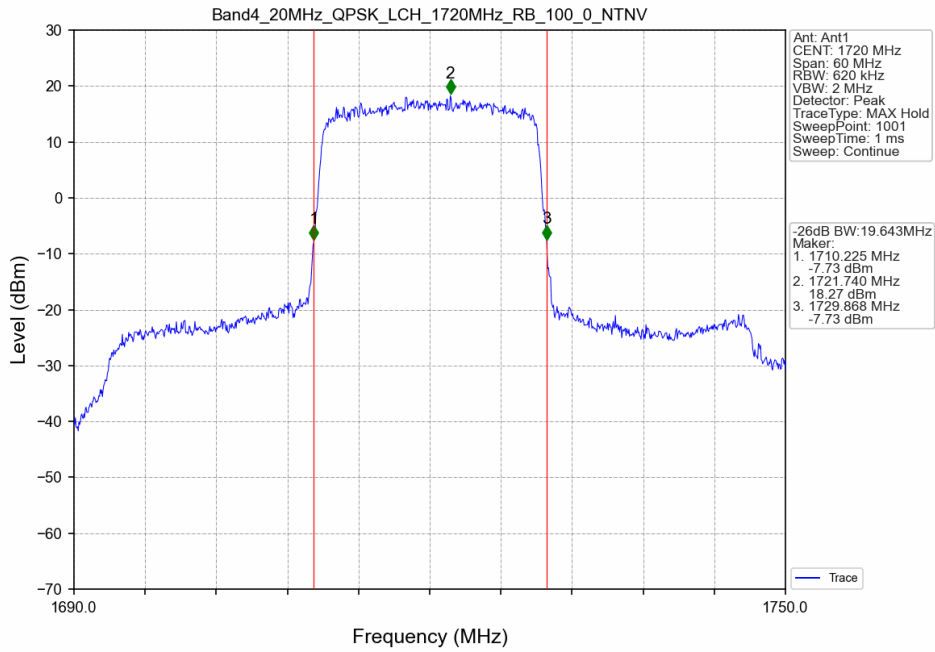
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



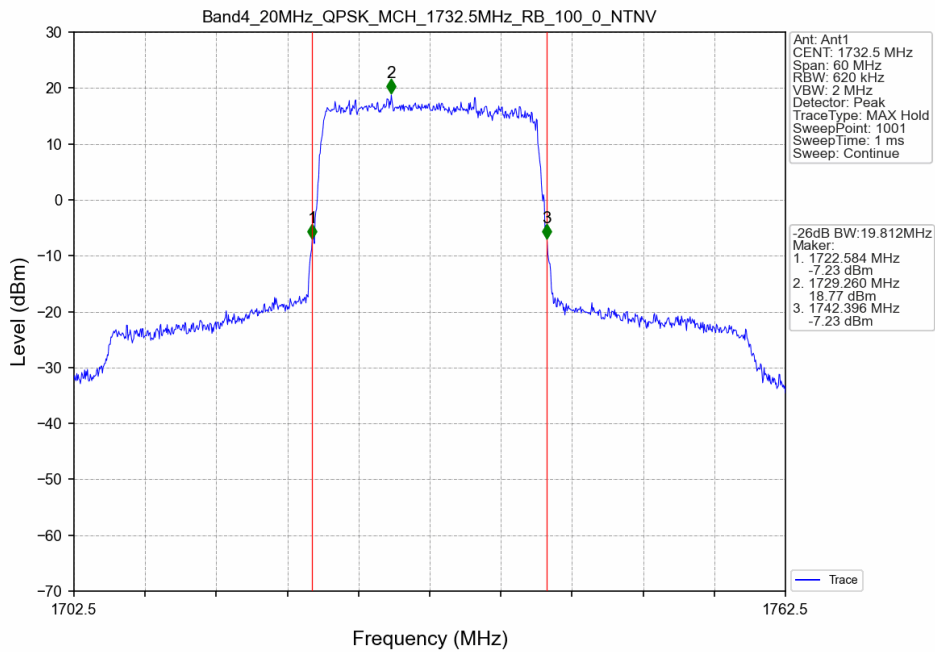
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



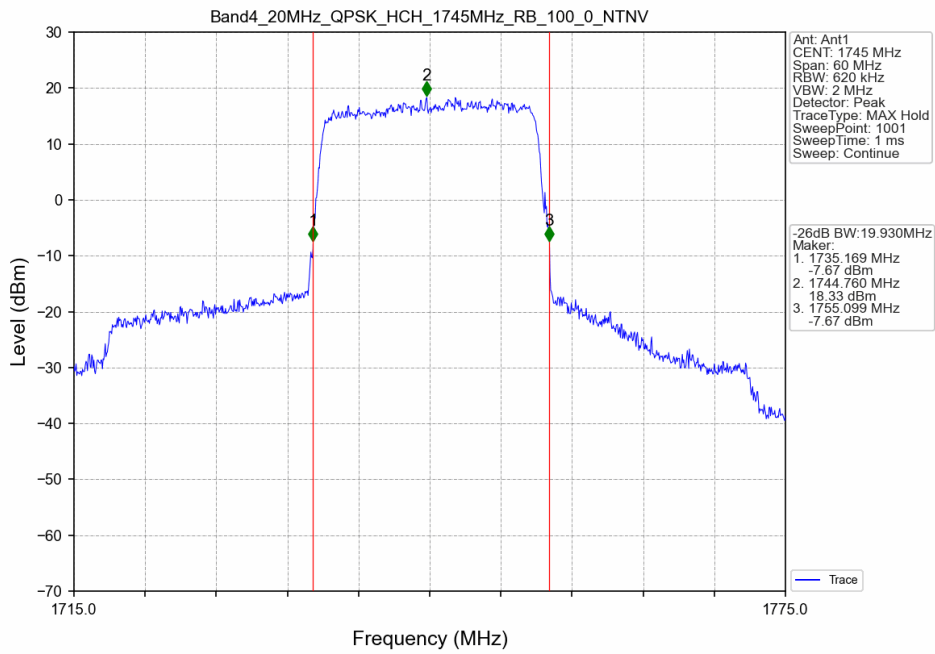
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



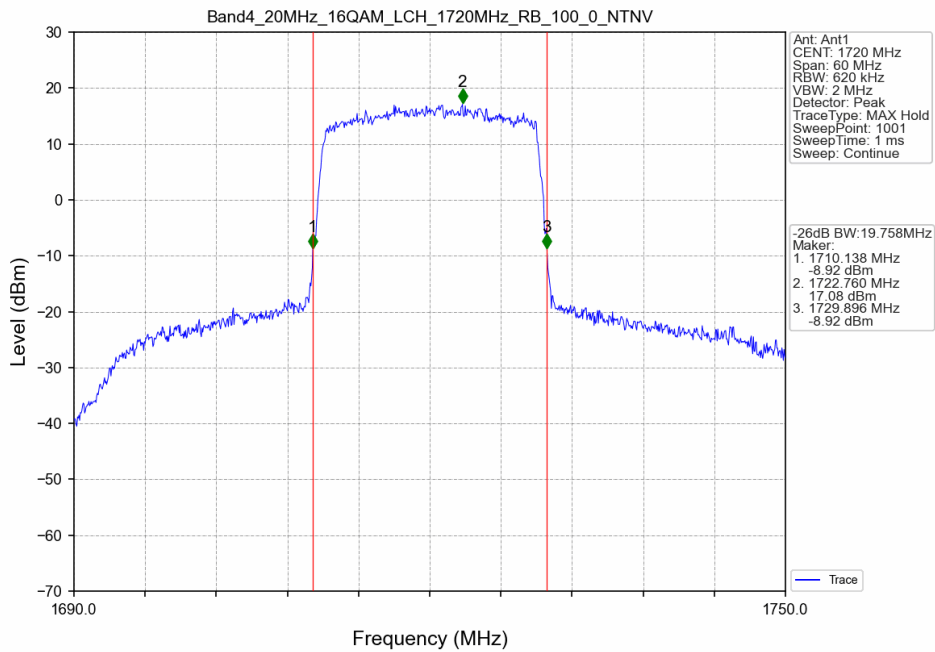
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



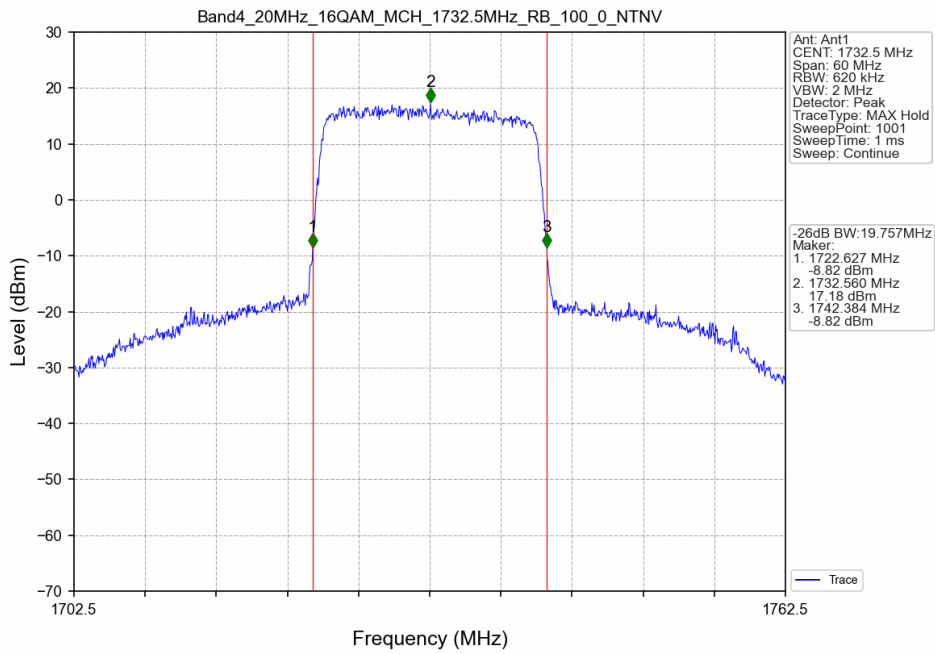
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



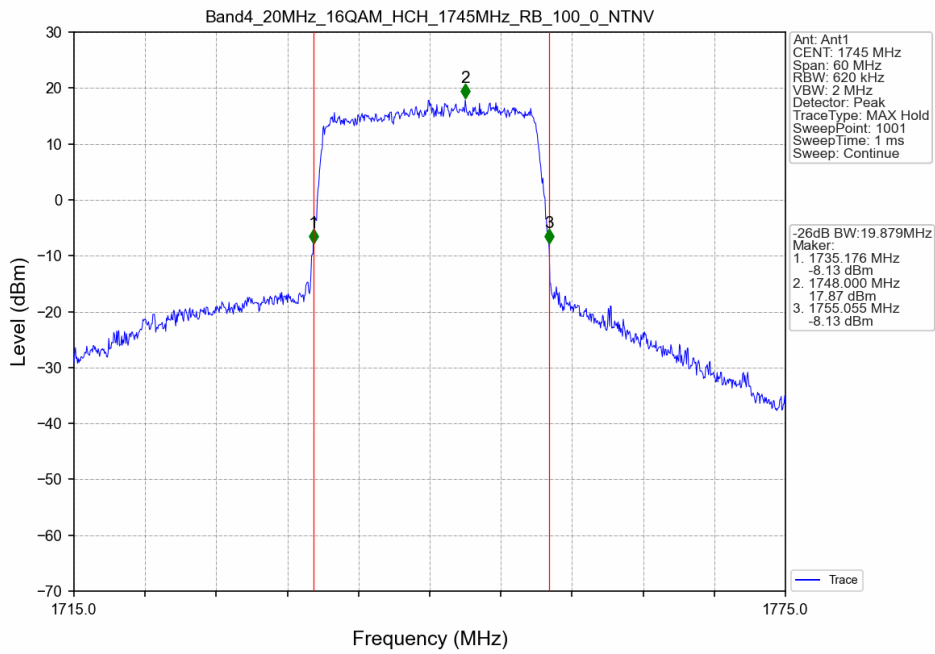
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



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



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



## 4. 99% & 26dB Bandwidth

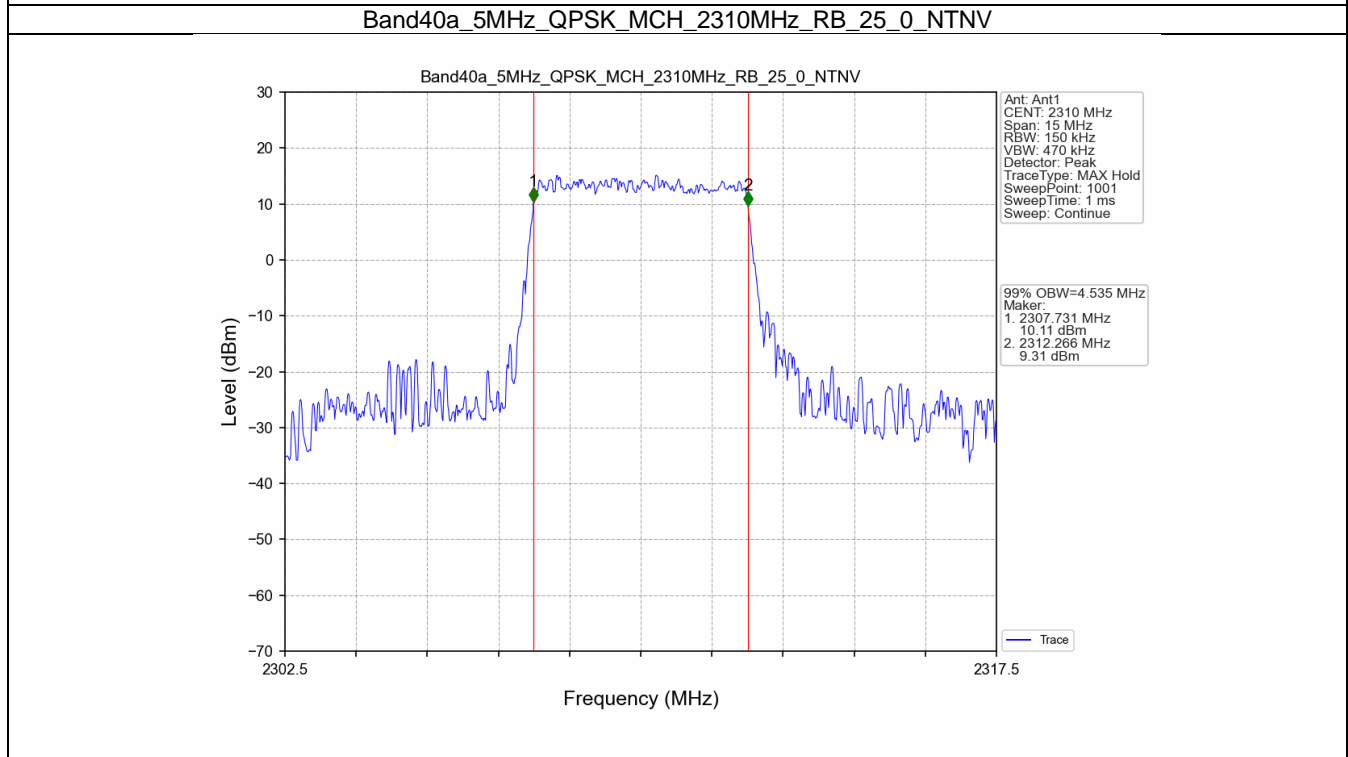
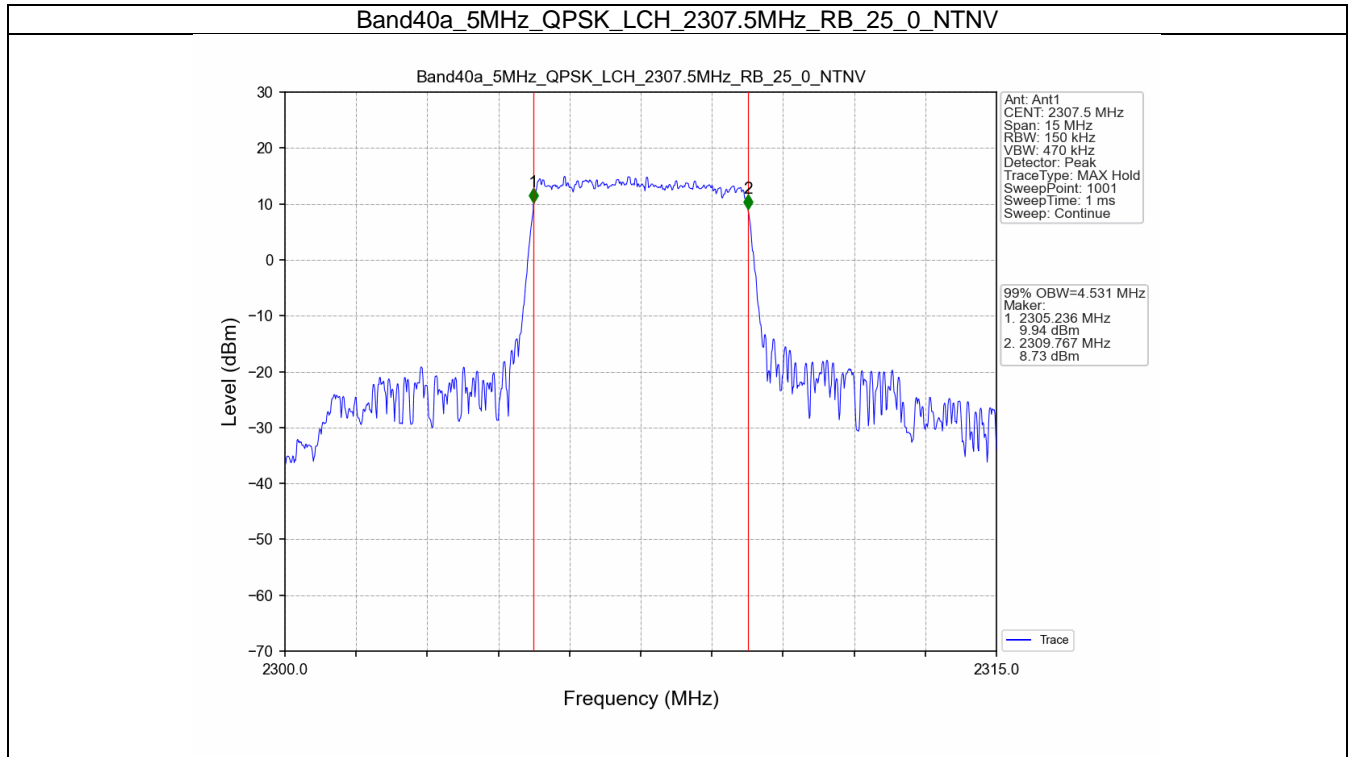
### 4.1 Band40a\_OBW

#### 4.1.1 Test Result

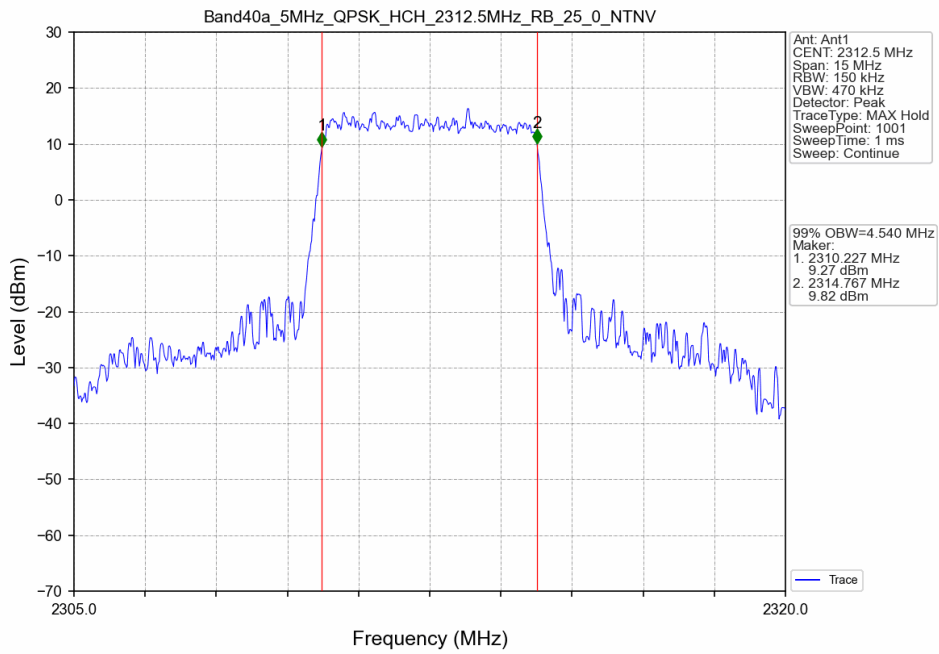
Band: 40a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	4.531	/	Pass
		2310	25	0	4.535	/	Pass
		2312.5	25	0	4.540	/	Pass
	16QAM	2307.5	25	0	4.542	/	Pass
		2310	25	0	4.580	/	Pass
		2312.5	25	0	4.534	/	Pass
10	QPSK	2310	50	0	9.052	/	Pass
	16QAM	2310	50	0	9.052	/	Pass



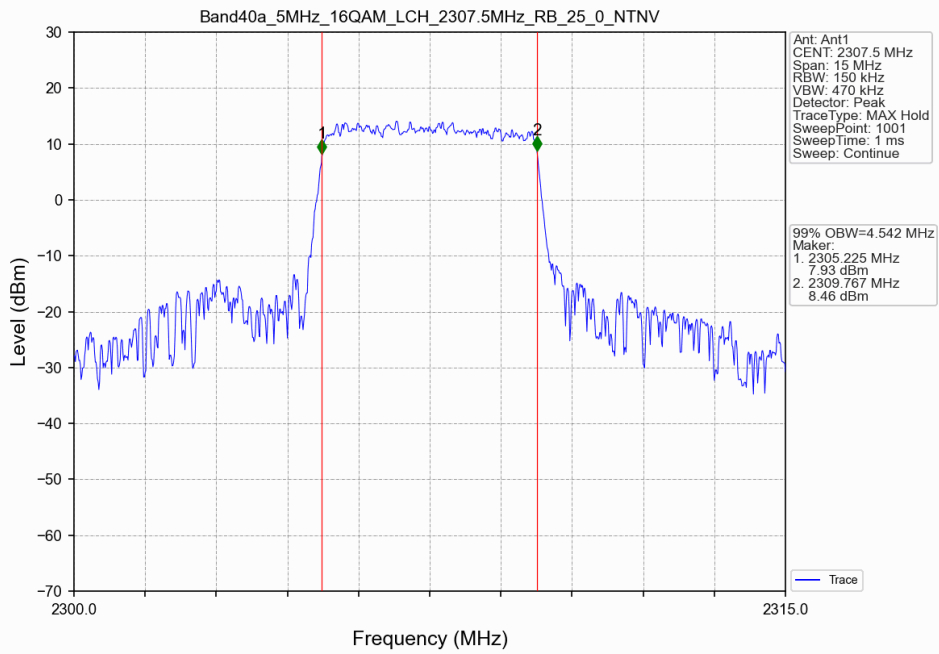
### 4.1.2 Test Graph



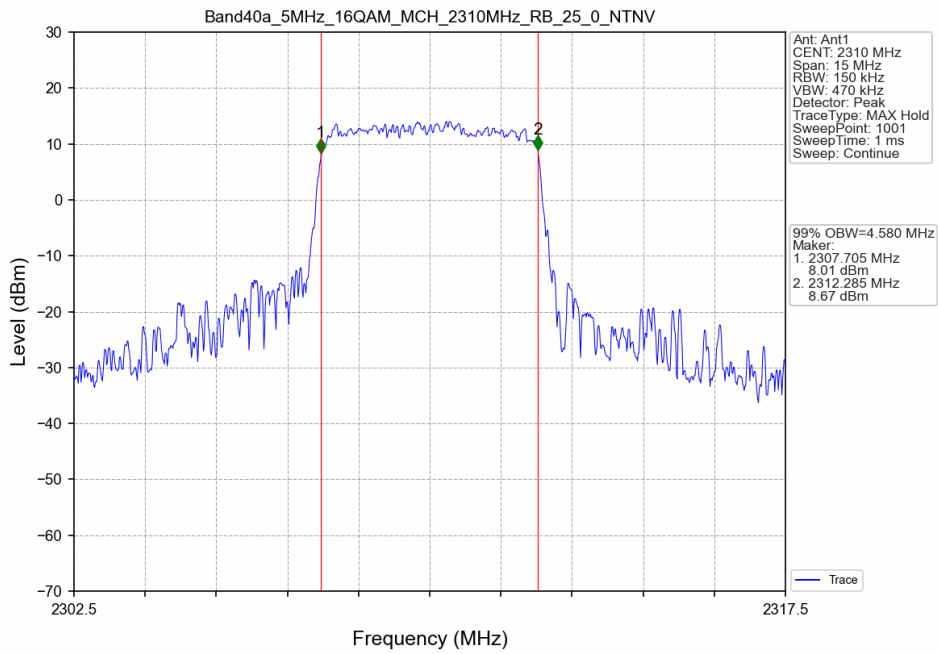
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



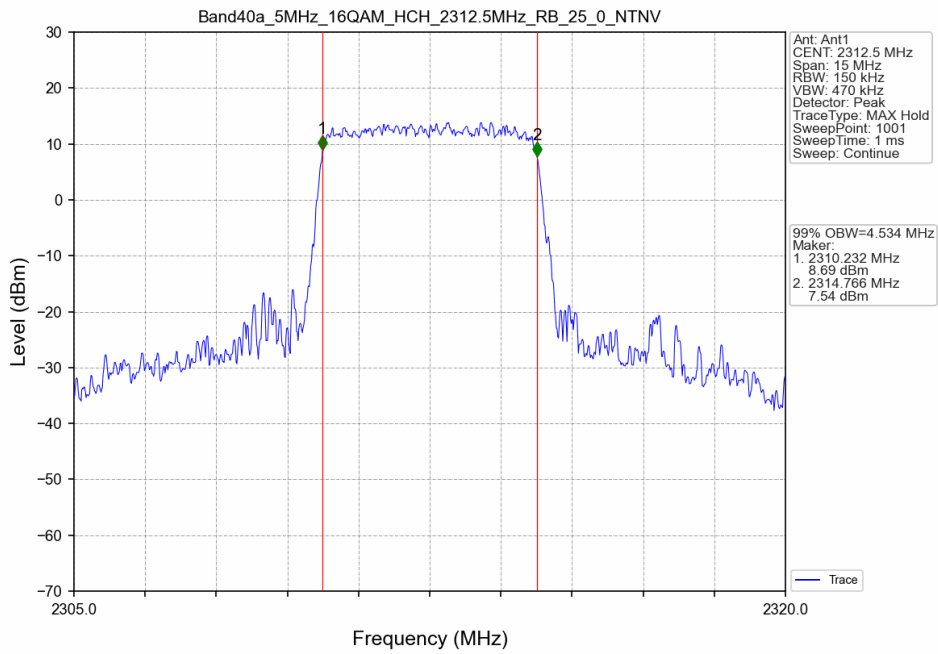
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



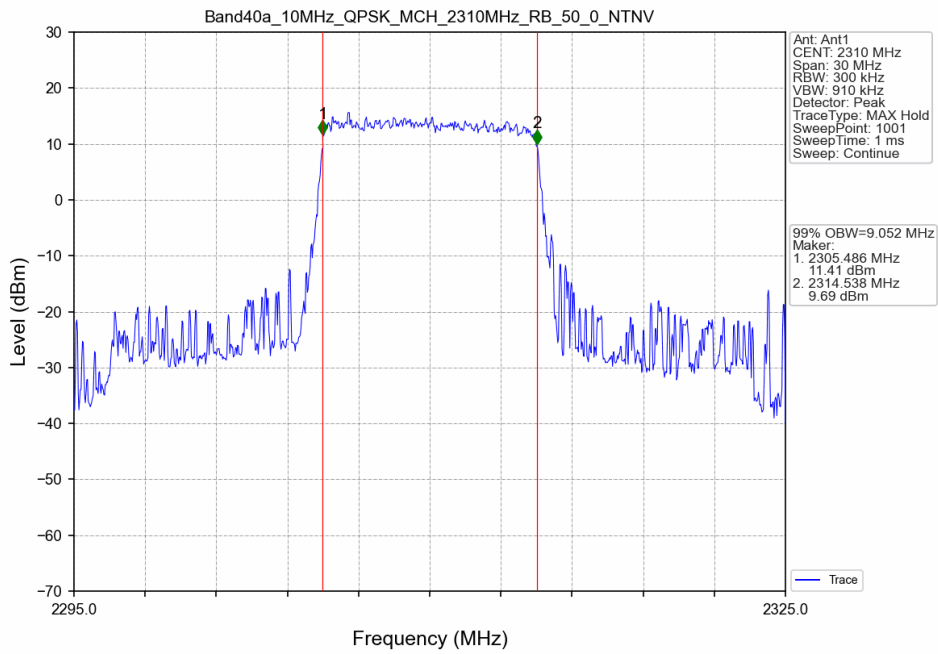
Band40a\_5MHz\_16QAM\_MCH\_2310MHz\_RB\_25\_0\_NTNV



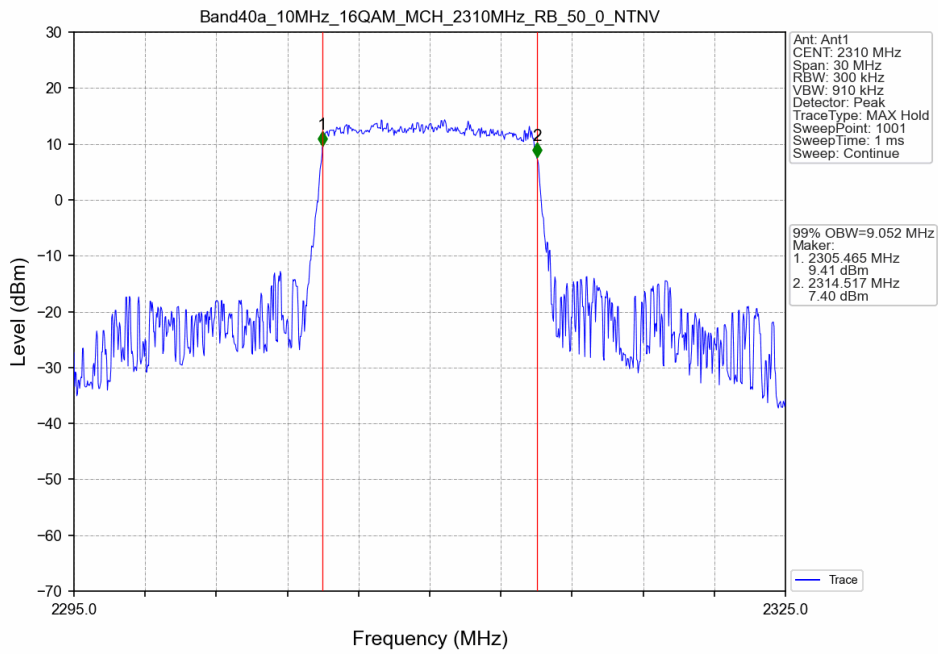
Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



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



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

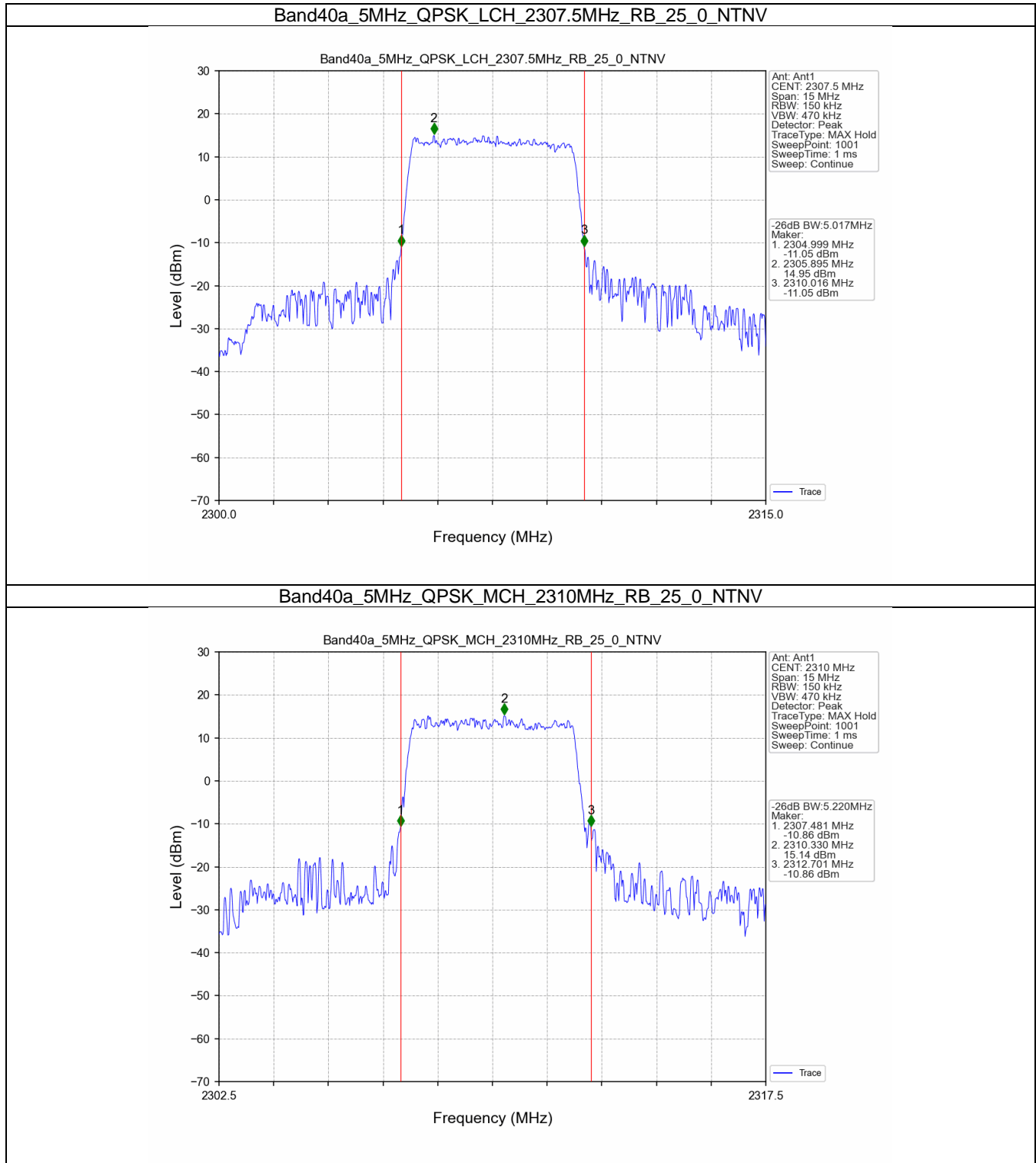


## 4.2 Band40a\_XDB

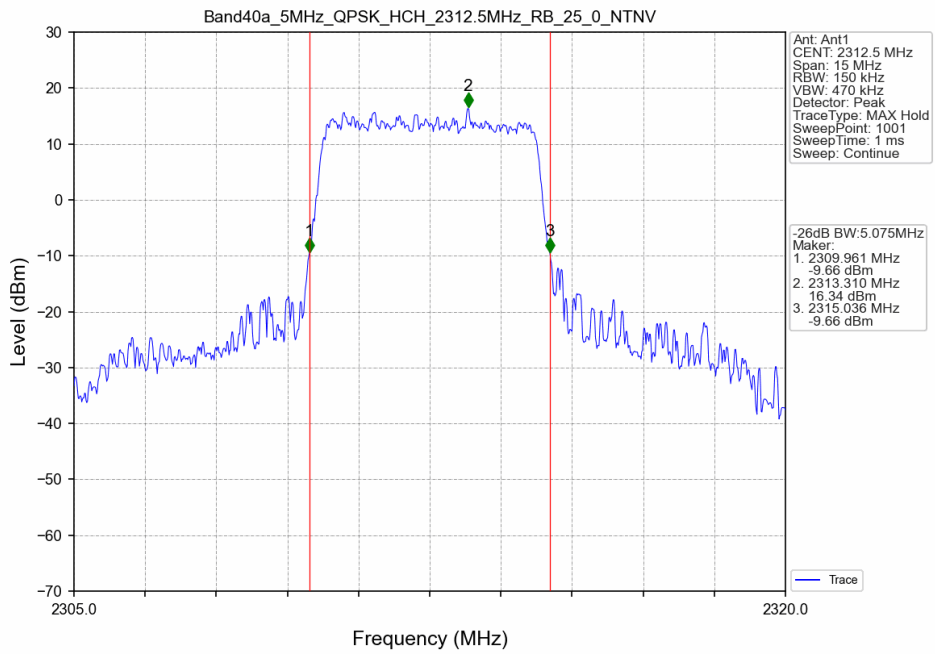
### 4.2.1 Test Result

Band: 40a / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	5.017	/	Pass
		2310	25	0	5.220	/	Pass
		2312.5	25	0	5.075	/	Pass
	16QAM	2307.5	25	0	5.247	/	Pass
		2310	25	0	5.079	/	Pass
		2312.5	25	0	5.080	/	Pass
10	QPSK	2310	50	0	10.246	/	Pass
	16QAM	2310	50	0	10.144	/	Pass

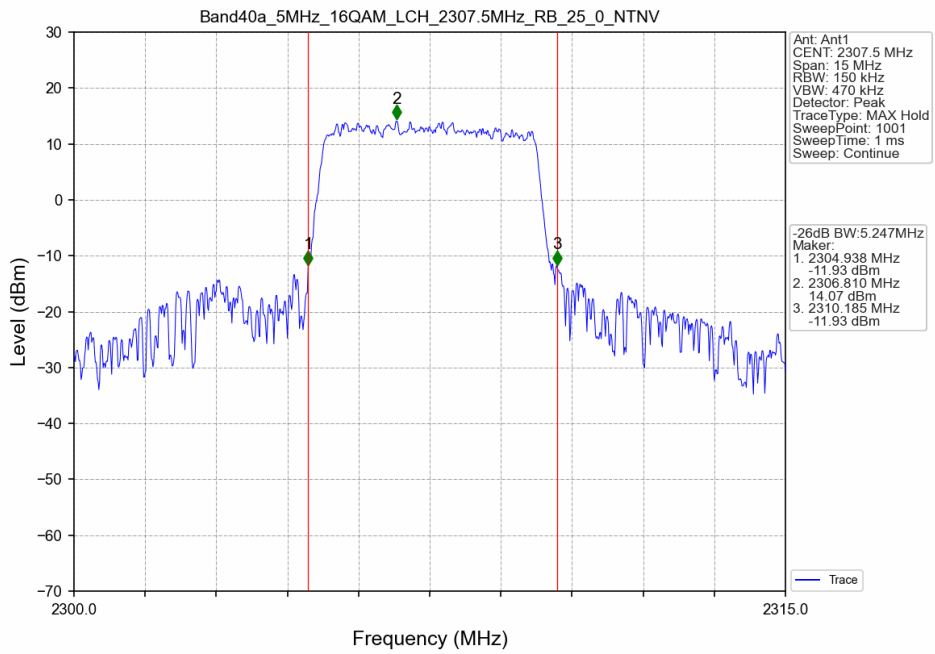
## 4.2.2 Test Graph



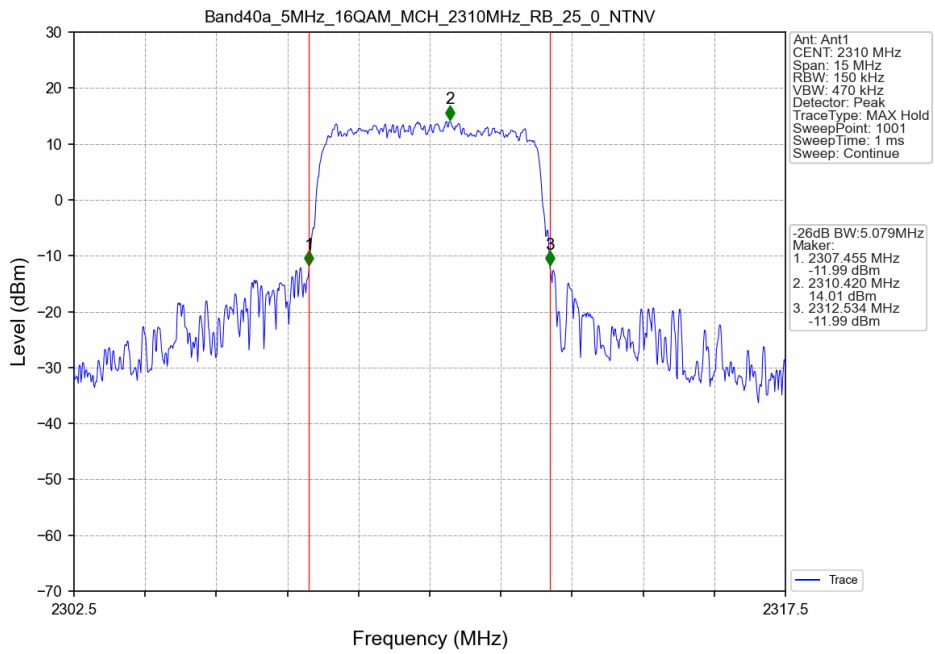
Band40a\_5MHz\_QPSK\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV



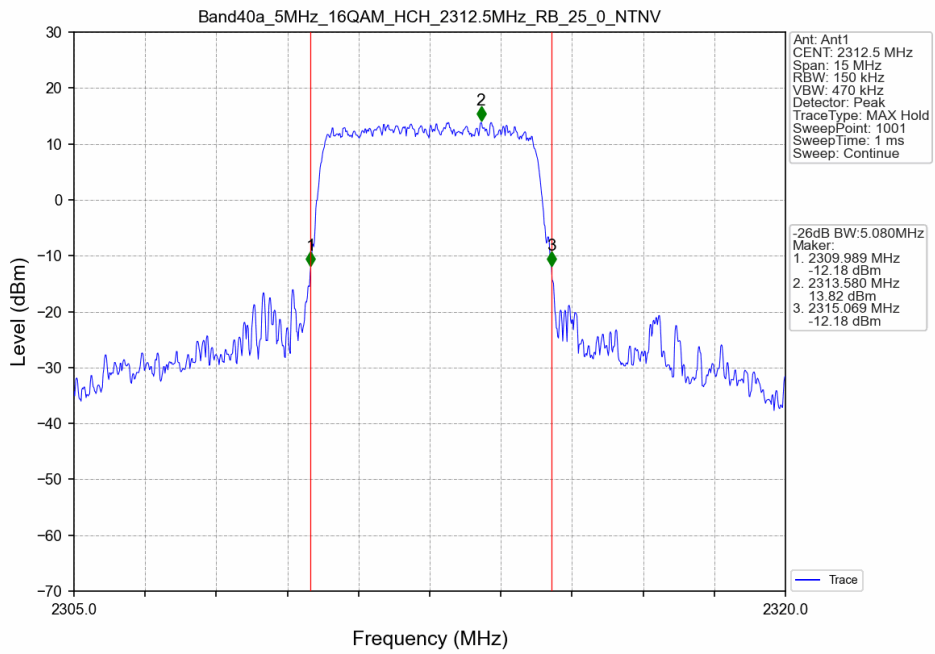
Band40a\_5MHz\_16QAM\_LCH\_2307.5MHz\_RB\_25\_0\_NTNV



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

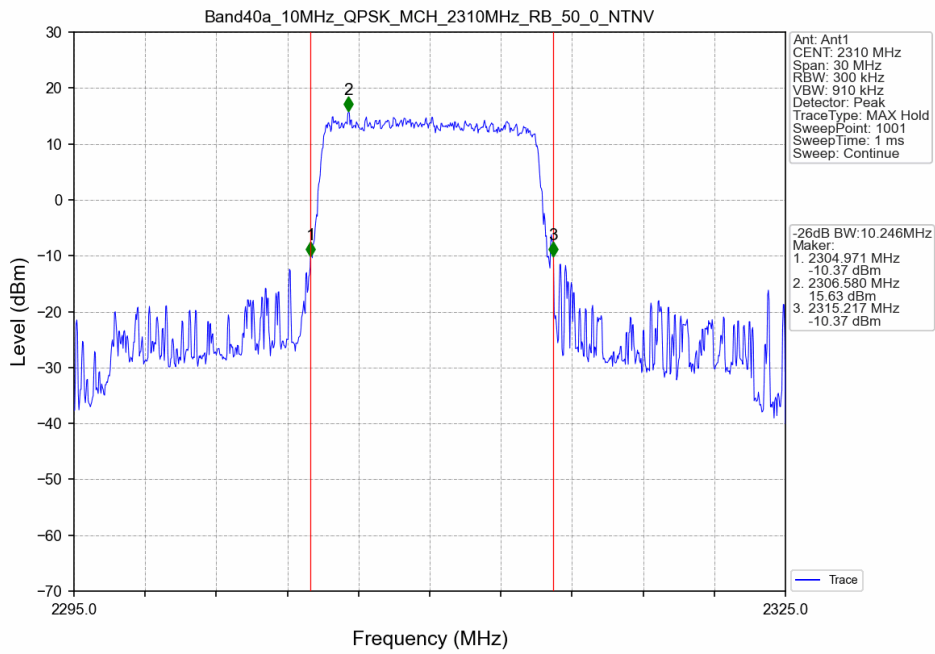


Band40a\_5MHz\_16QAM\_HCH\_2312.5MHz\_RB\_25\_0\_NTNV

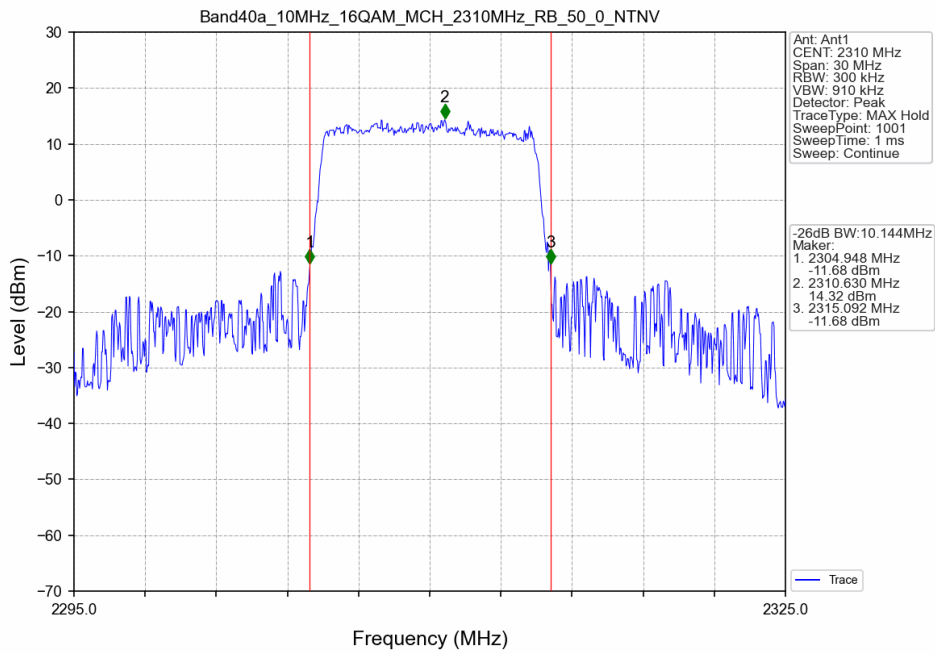




Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



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



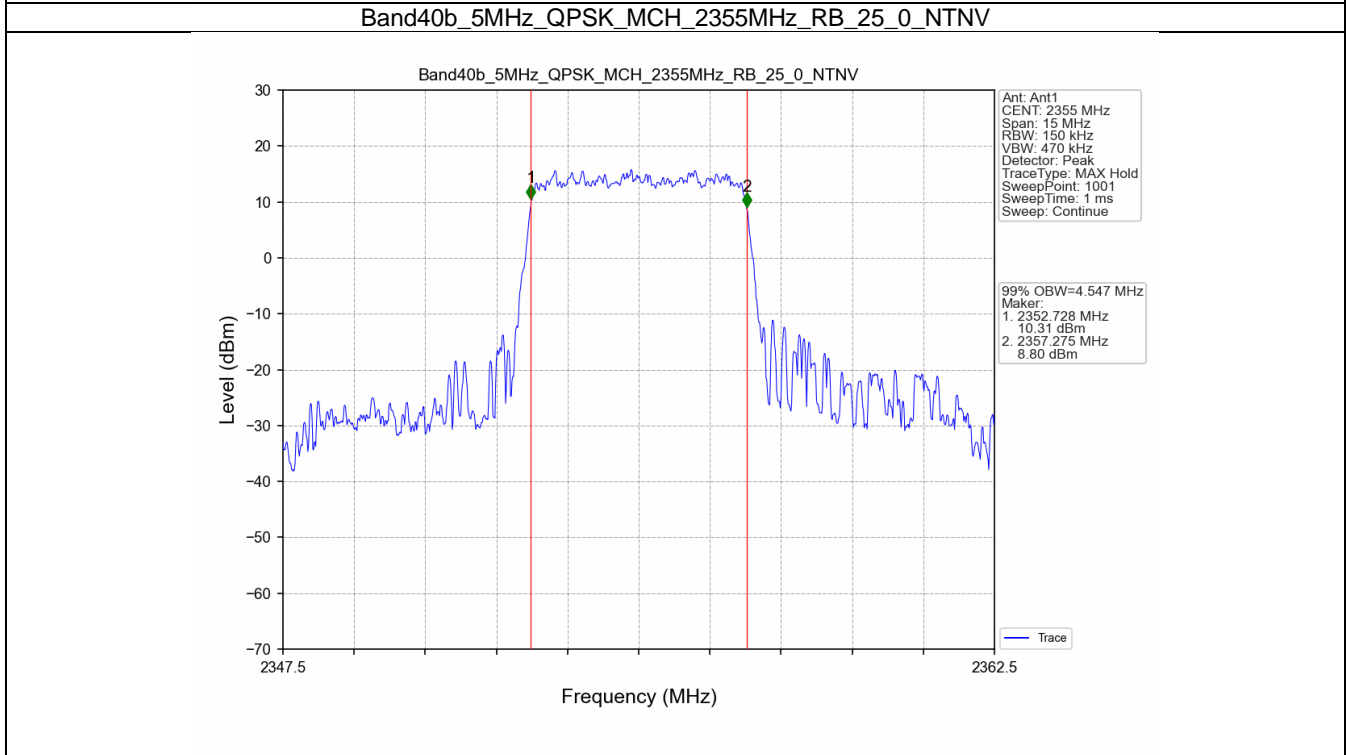
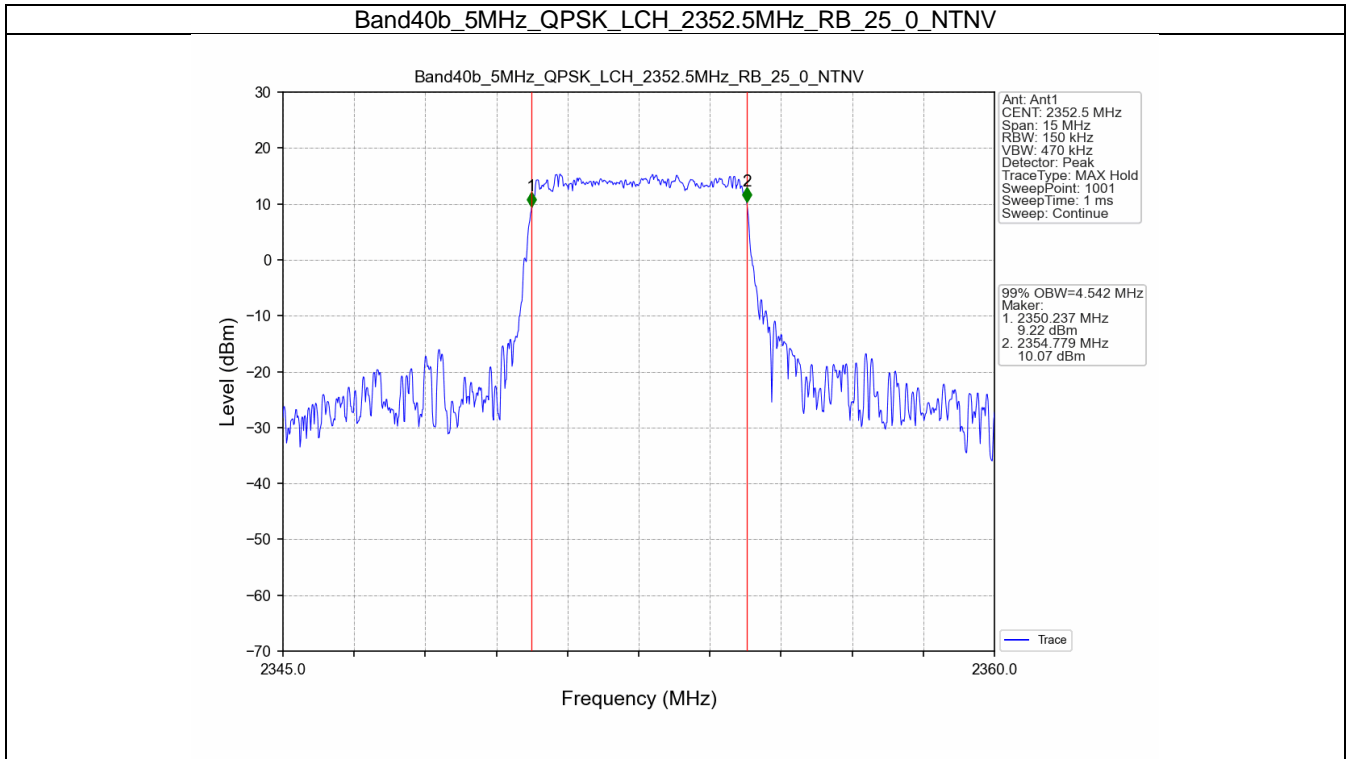
## 5. 99% & 26dB Bandwidth

### 5.1 Band40b\_OBW

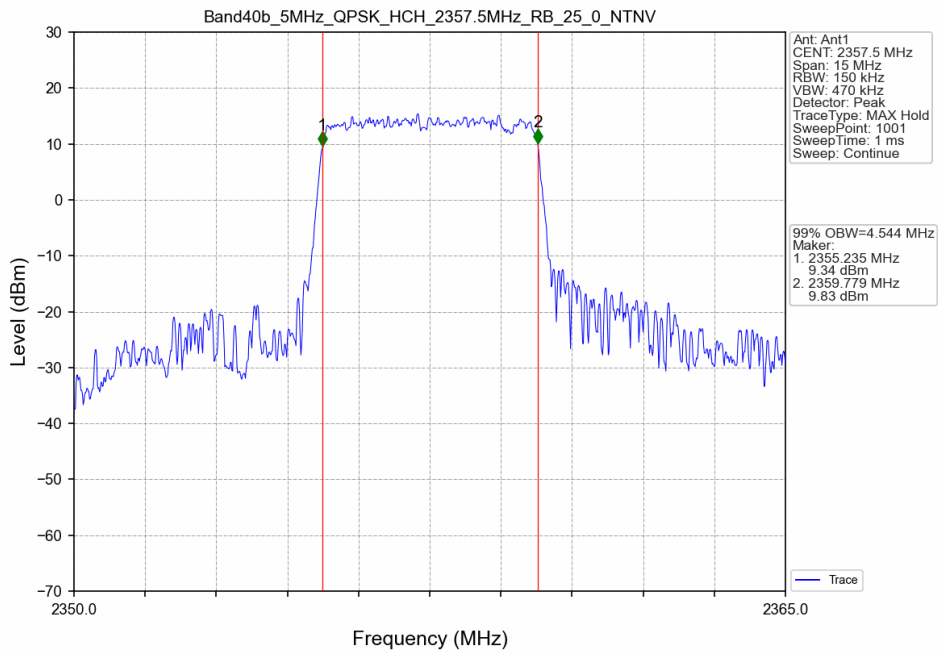
#### 5.1.1 Test Result

Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	4.542	/	Pass
		2355	25	0	4.547	/	Pass
		2357.5	25	0	4.544	/	Pass
	16QAM	2352.5	25	0	4.576	/	Pass
		2355	25	0	4.533	/	Pass
		2357.5	25	0	4.556	/	Pass
10	QPSK	2355	50	0	9.040	/	Pass
	16QAM	2355	50	0	9.057	/	Pass

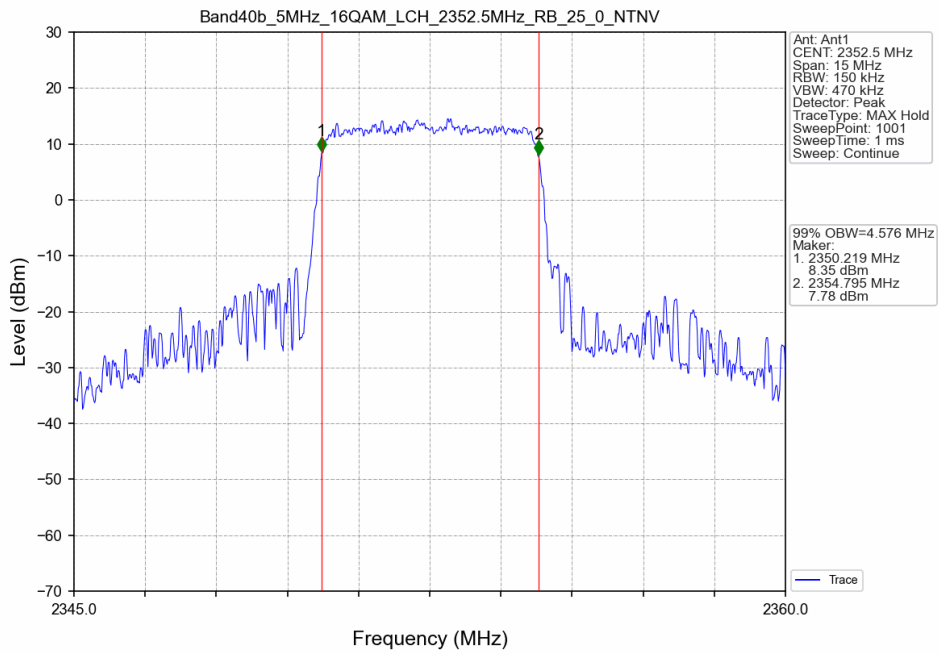
### 5.1.2 Test Graph



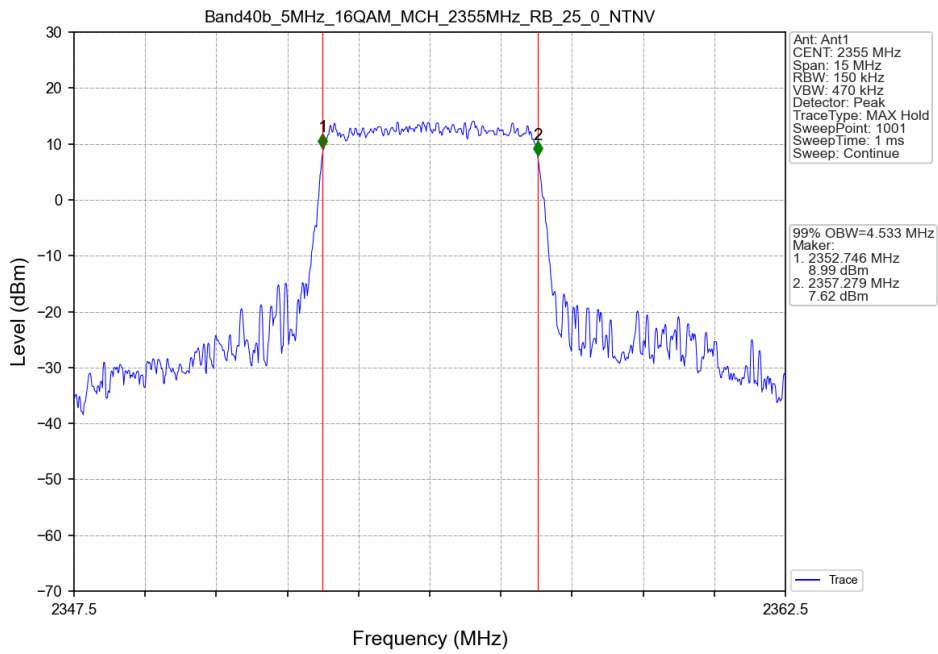
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



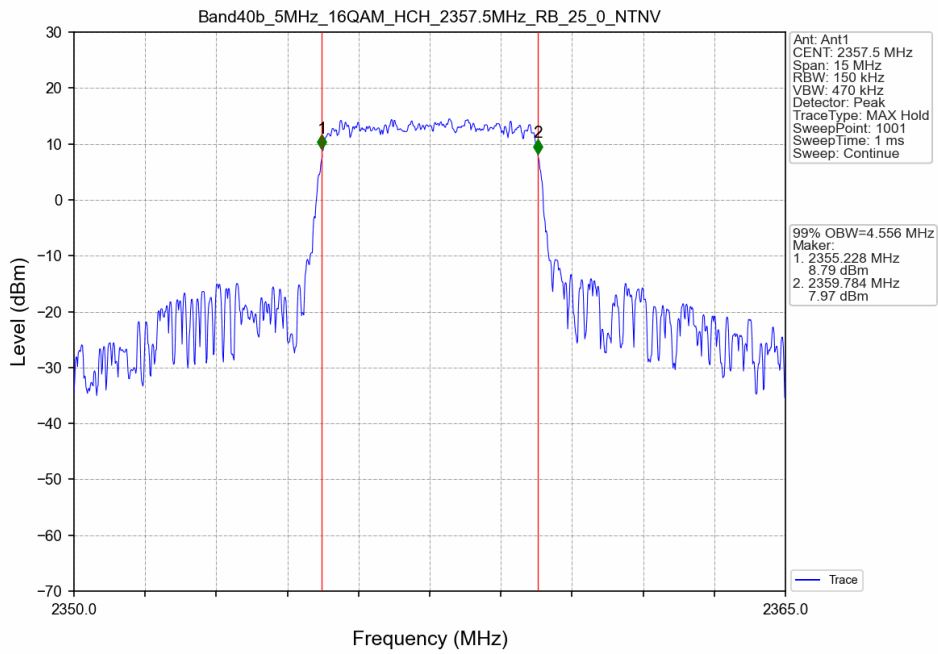
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



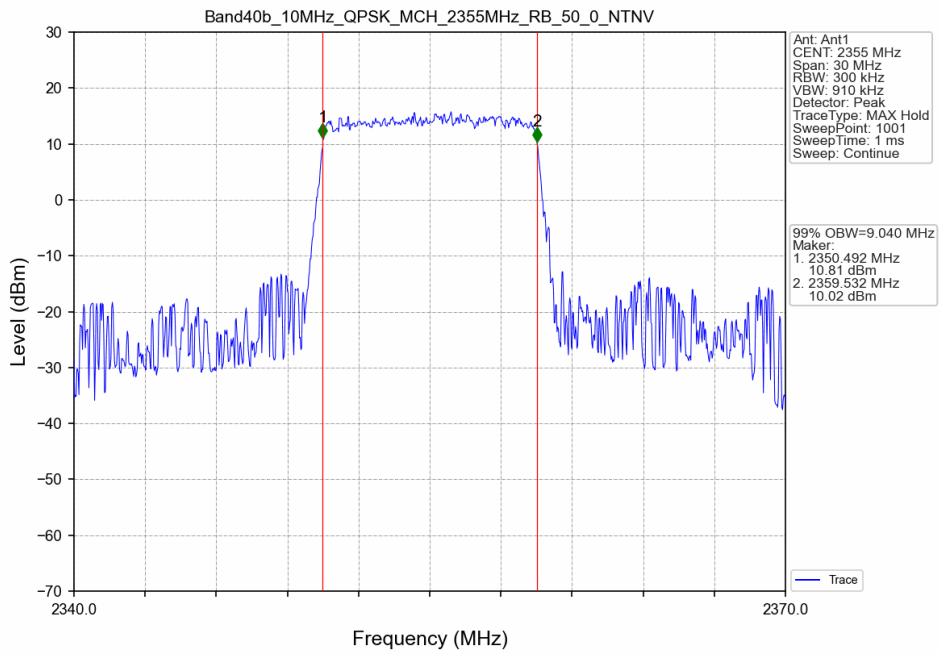
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV



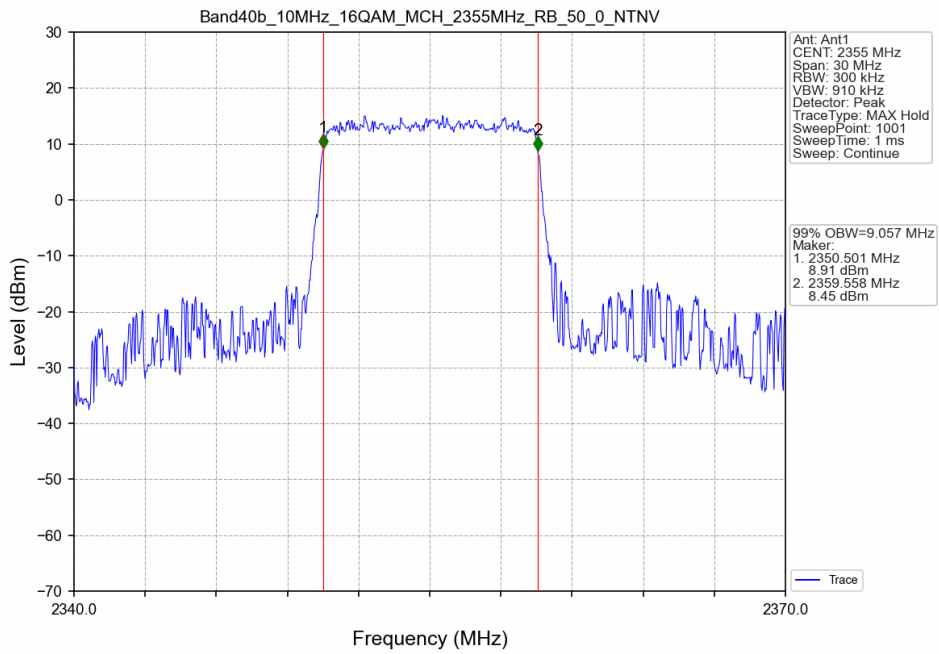
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



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



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

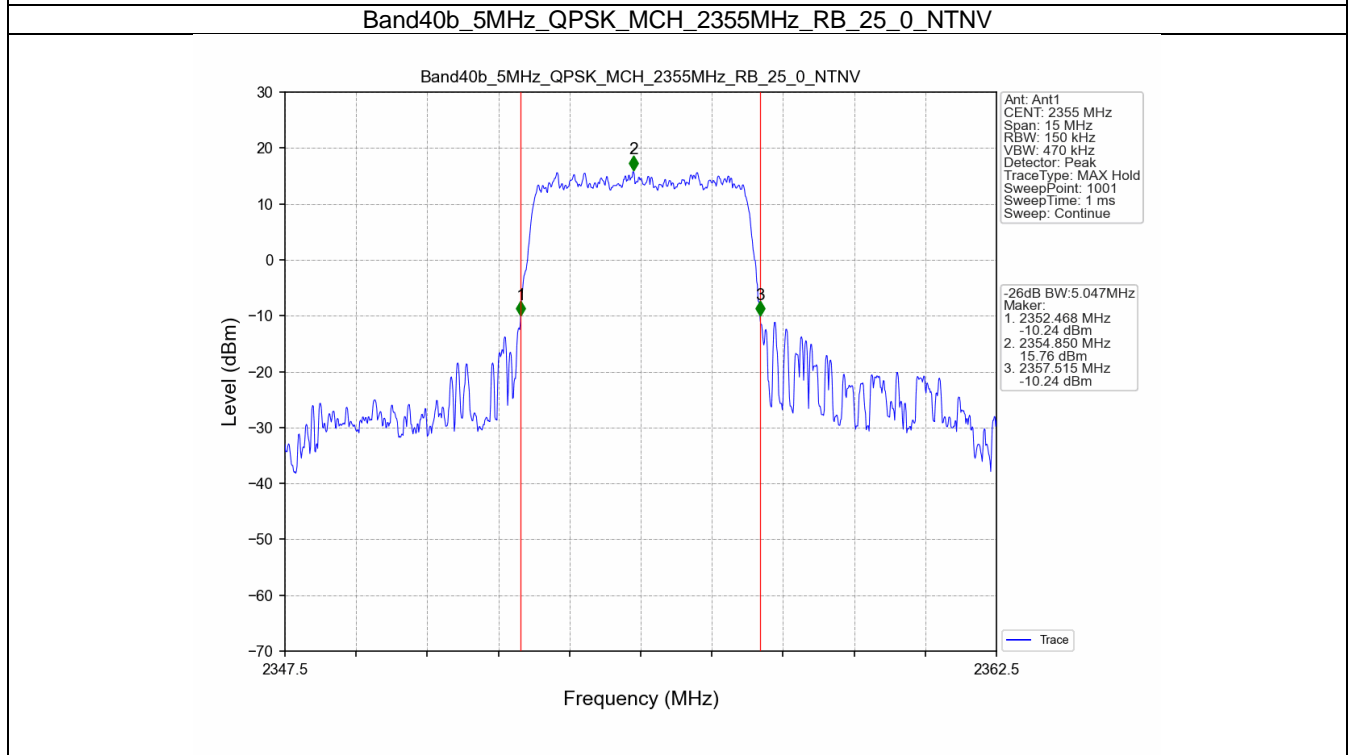
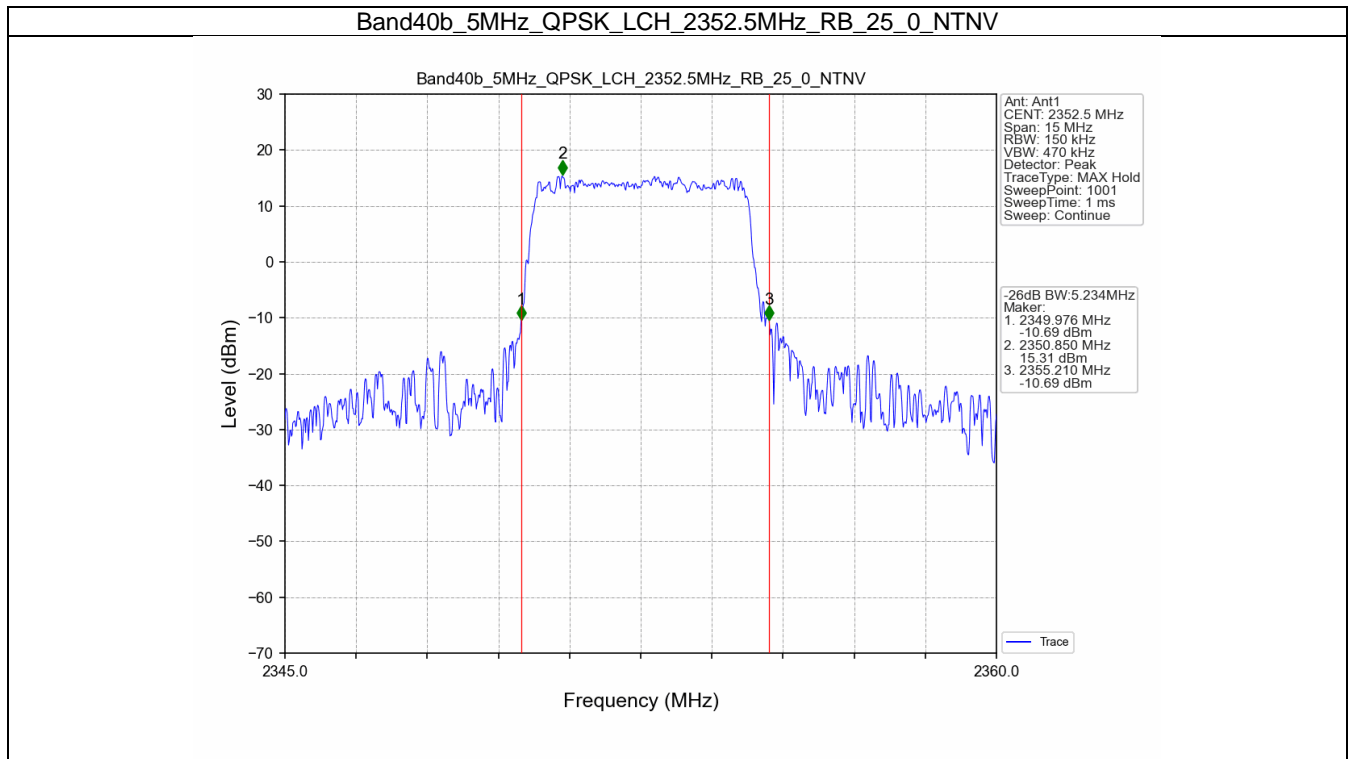


## 5.2 Band40b\_XDB

### 5.2.1 Test Result

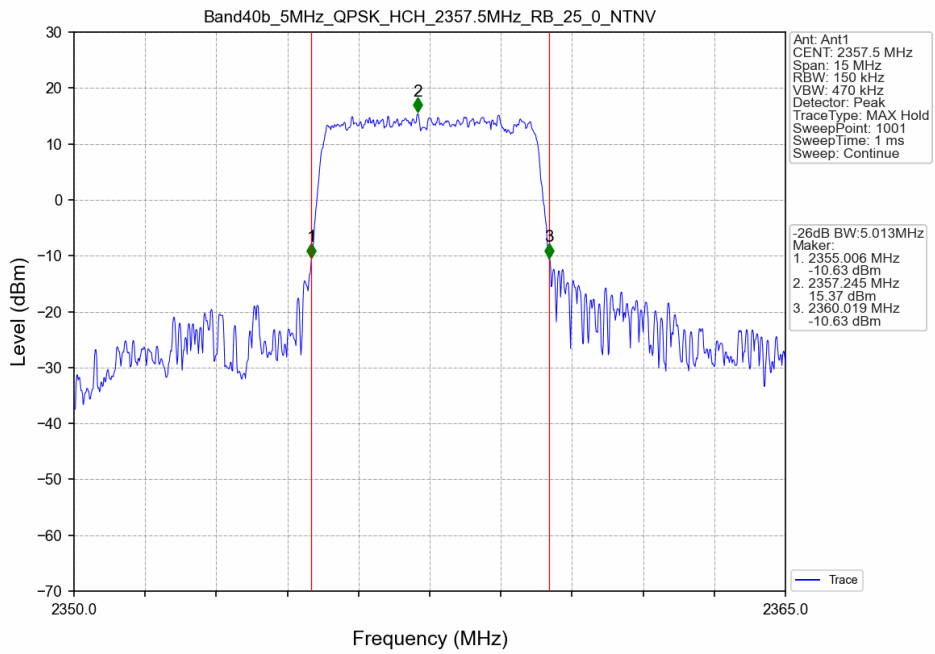
Band: 40b / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	5.234	/	Pass
		2355	25	0	5.047	/	Pass
		2357.5	25	0	5.013	/	Pass
	16QAM	2352.5	25	0	5.066	/	Pass
		2355	25	0	5.045	/	Pass
		2357.5	25	0	5.306	/	Pass
10	QPSK	2355	50	0	10.073	/	Pass
	16QAM	2355	50	0	10.103	/	Pass

## 5.2.2 Test Graph

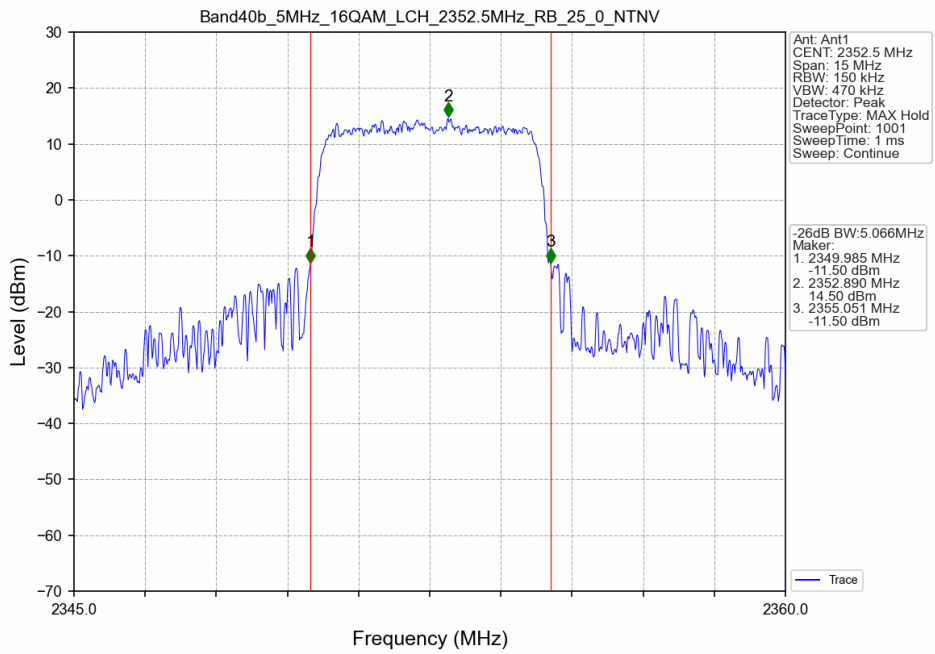




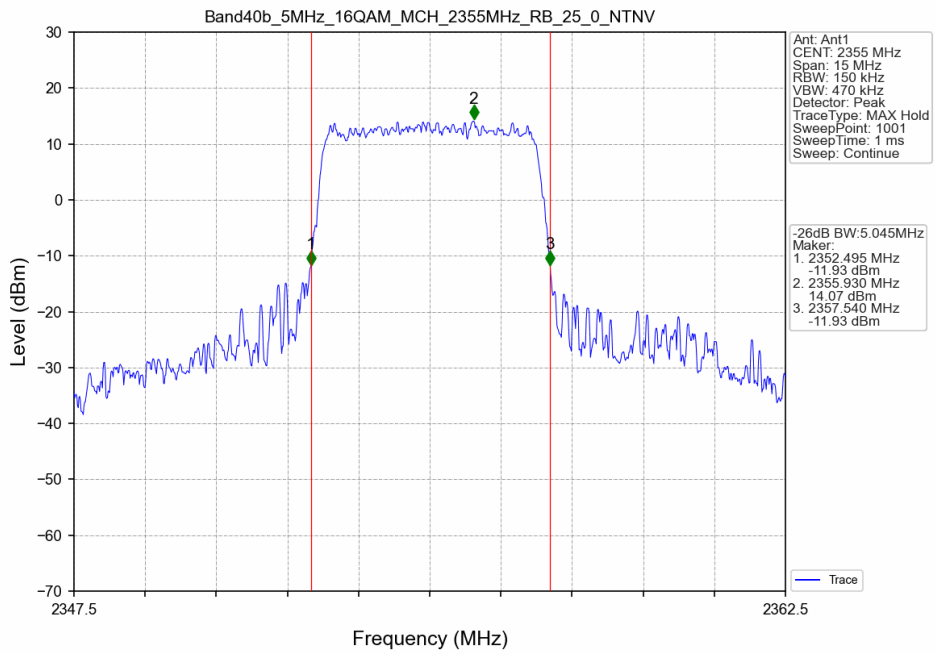
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



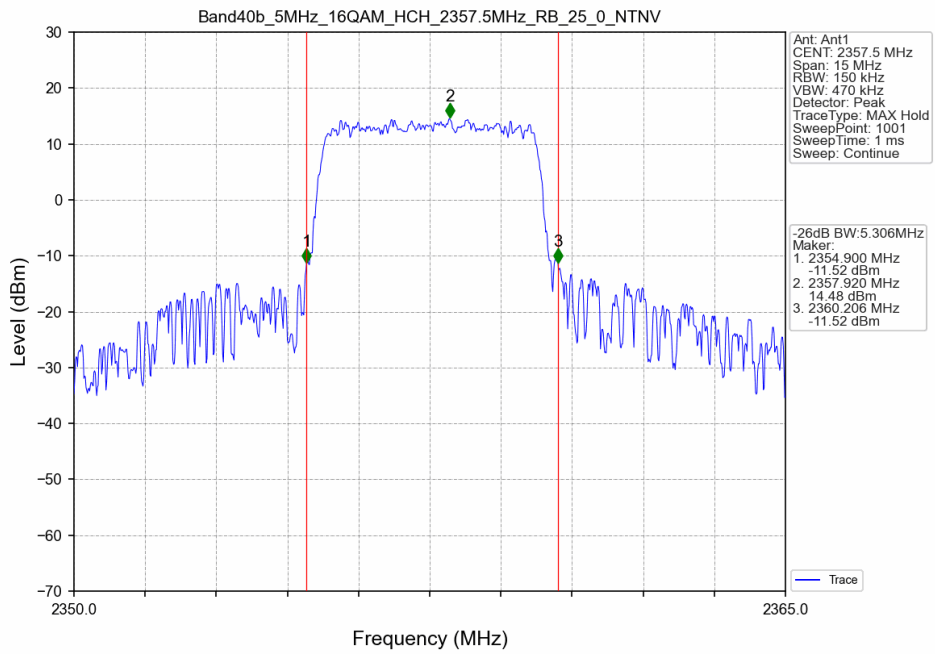
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



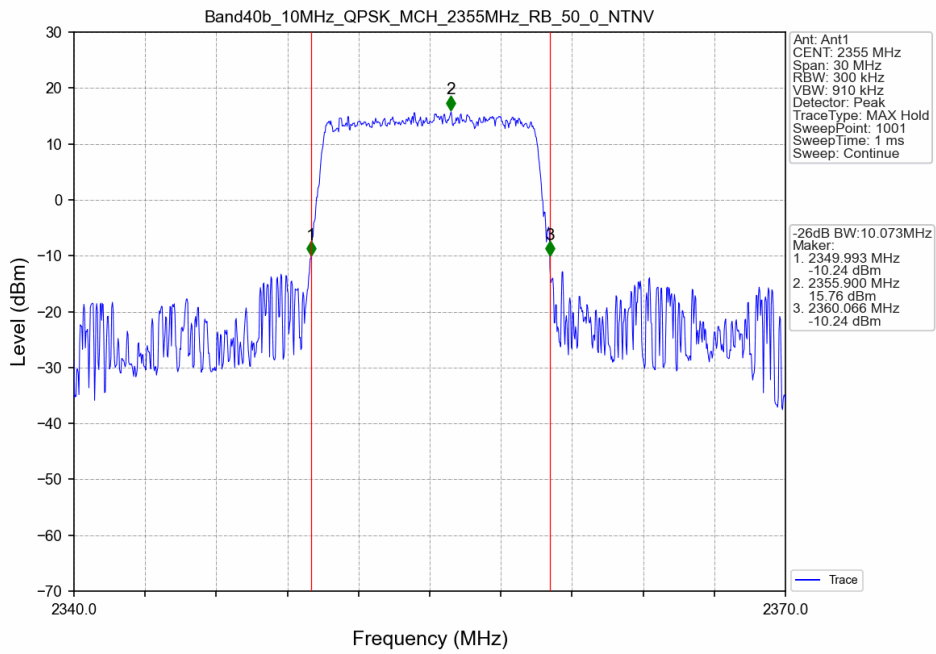
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV



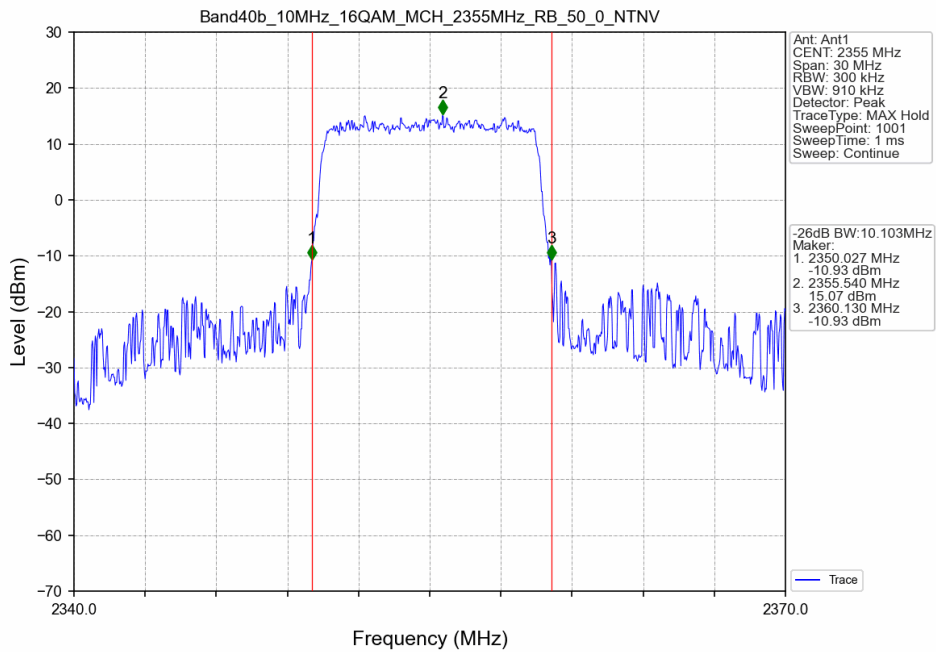
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



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



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



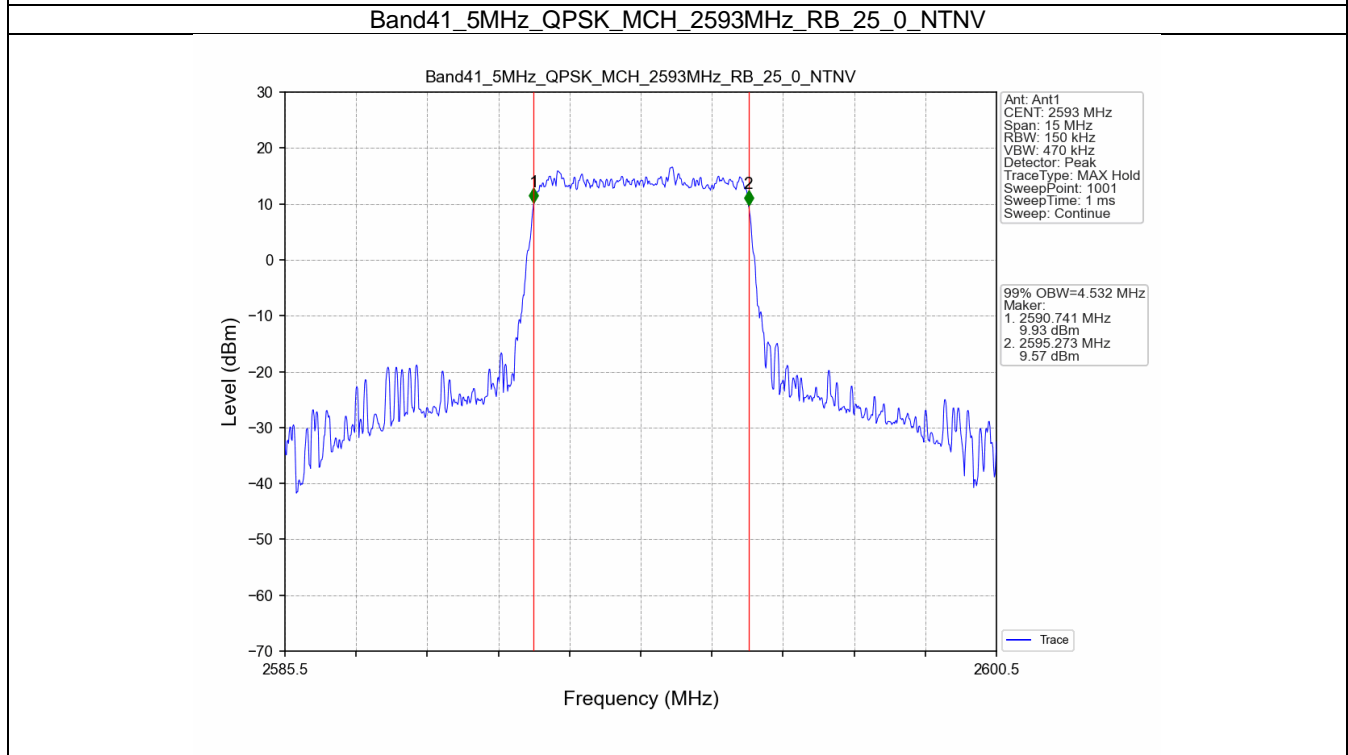
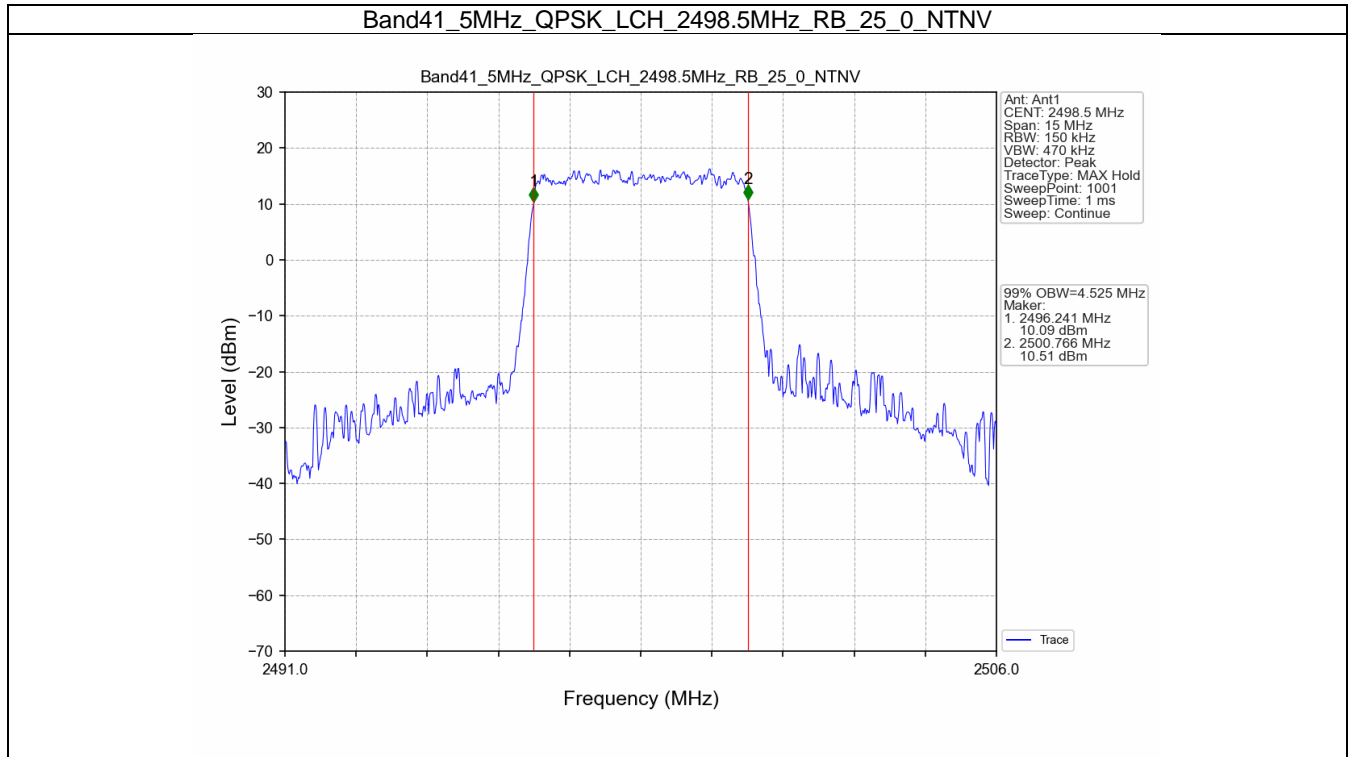
## 6. 99% & 26dB Bandwidth

### 6.1 Band41\_OBW

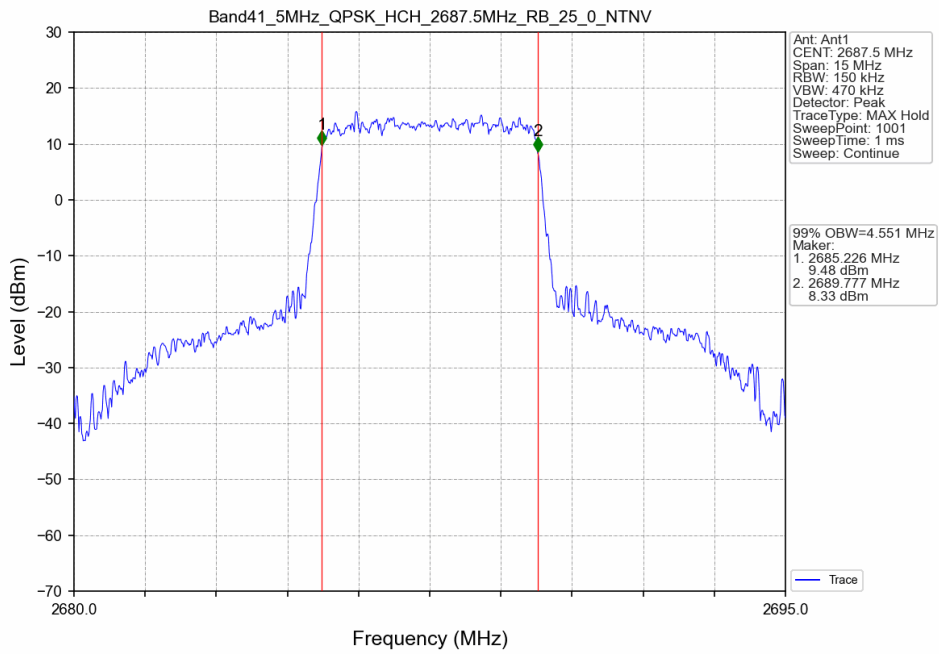
#### 6.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.525	/	Pass
		2593	25	0	4.532	/	Pass
		2687.5	25	0	4.551	/	Pass
	16QAM	2498.5	25	0	4.553	/	Pass
		2593	25	0	4.544	/	Pass
		2687.5	25	0	4.521	/	Pass
10	QPSK	2501	50	0	9.051	/	Pass
		2593	50	0	9.021	/	Pass
		2685	50	0	9.060	/	Pass
	16QAM	2501	50	0	9.052	/	Pass
		2593	50	0	9.032	/	Pass
		2685	50	0	9.038	/	Pass
15	QPSK	2503.5	75	0	13.544	/	Pass
		2593	75	0	13.509	/	Pass
		2682.5	75	0	13.513	/	Pass
	16QAM	2503.5	75	0	13.525	/	Pass
		2593	75	0	13.574	/	Pass
		2682.5	75	0	13.587	/	Pass
20	QPSK	2506	100	0	18.095	/	Pass
		2593	100	0	18.009	/	Pass
		2680	100	0	18.066	/	Pass
	16QAM	2506	100	0	18.009	/	Pass
		2593	100	0	18.019	/	Pass
		2680	100	0	18.034	/	Pass

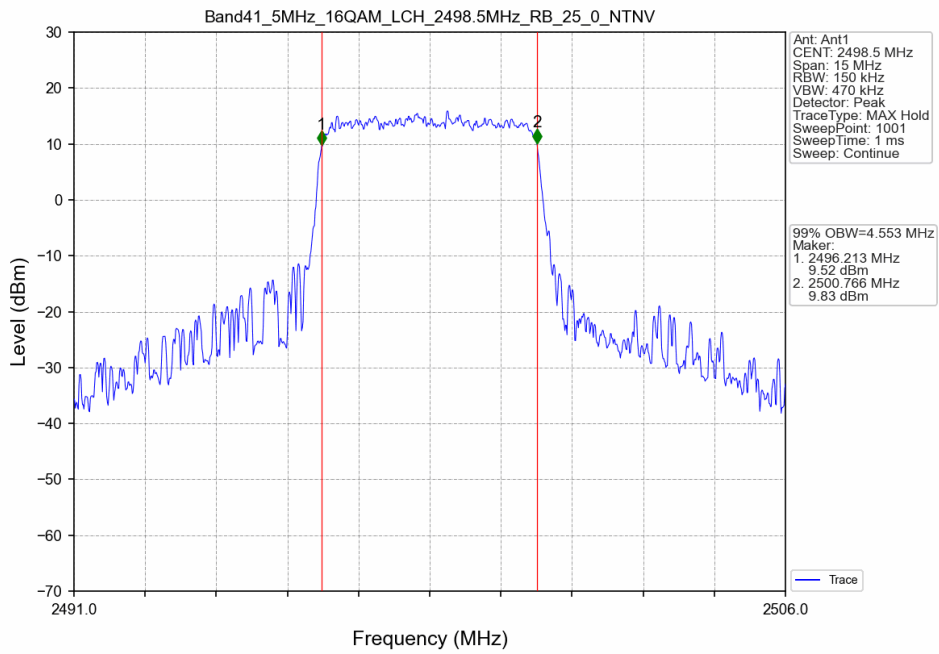
## 6.1.2 Test Graph



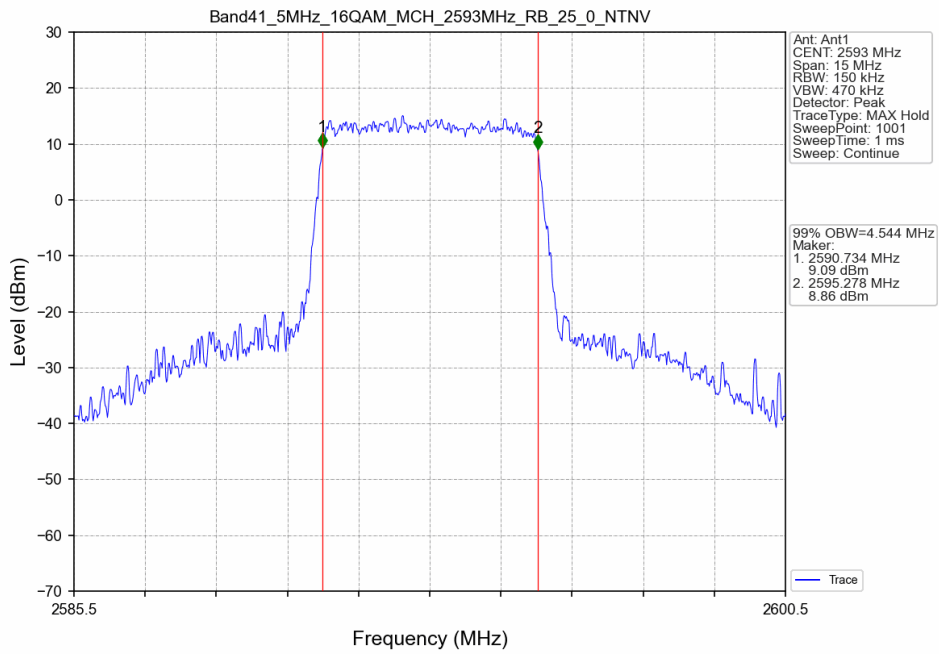
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



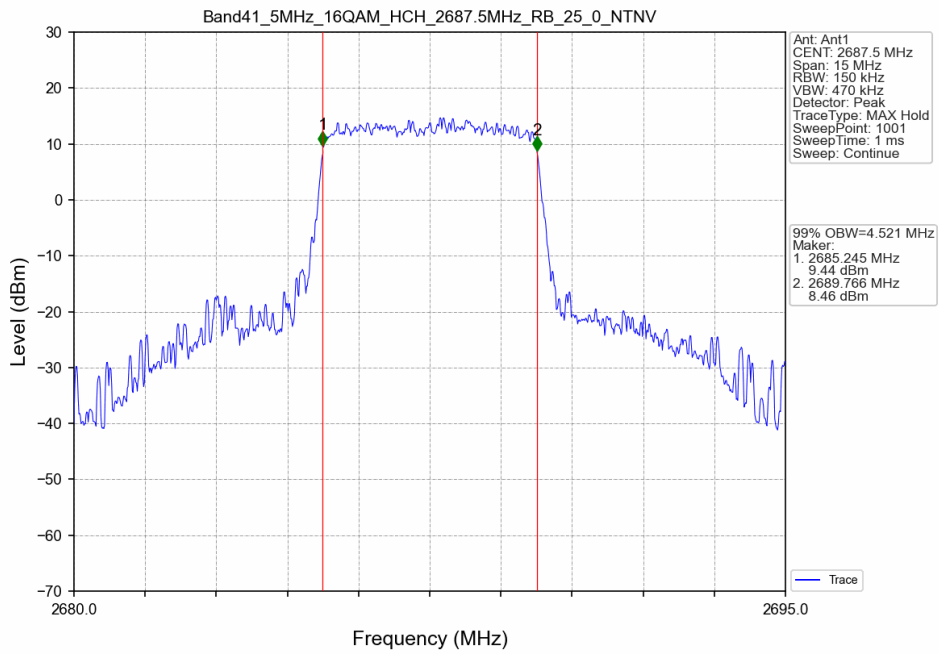
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



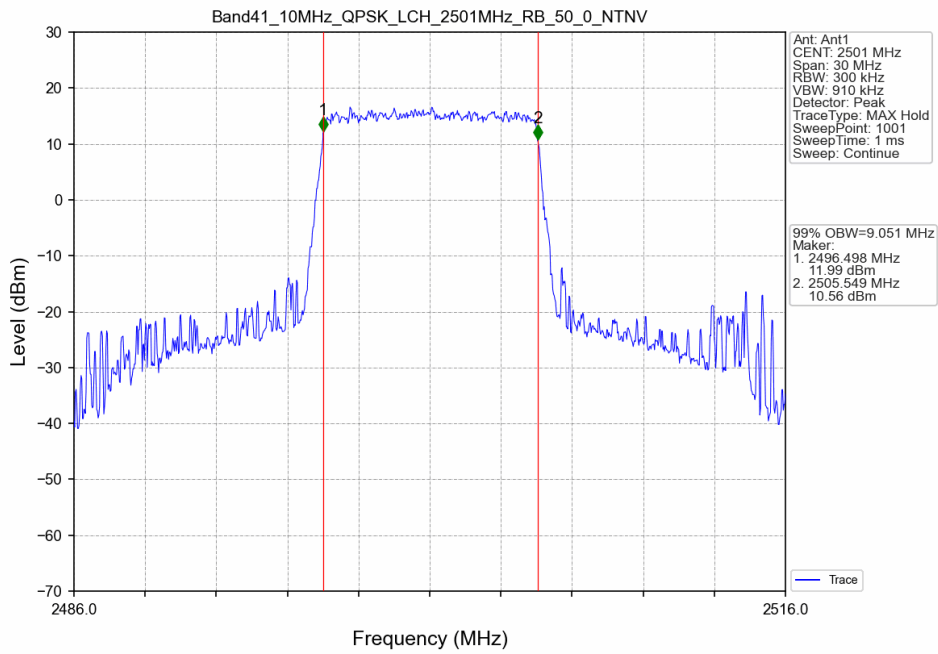
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



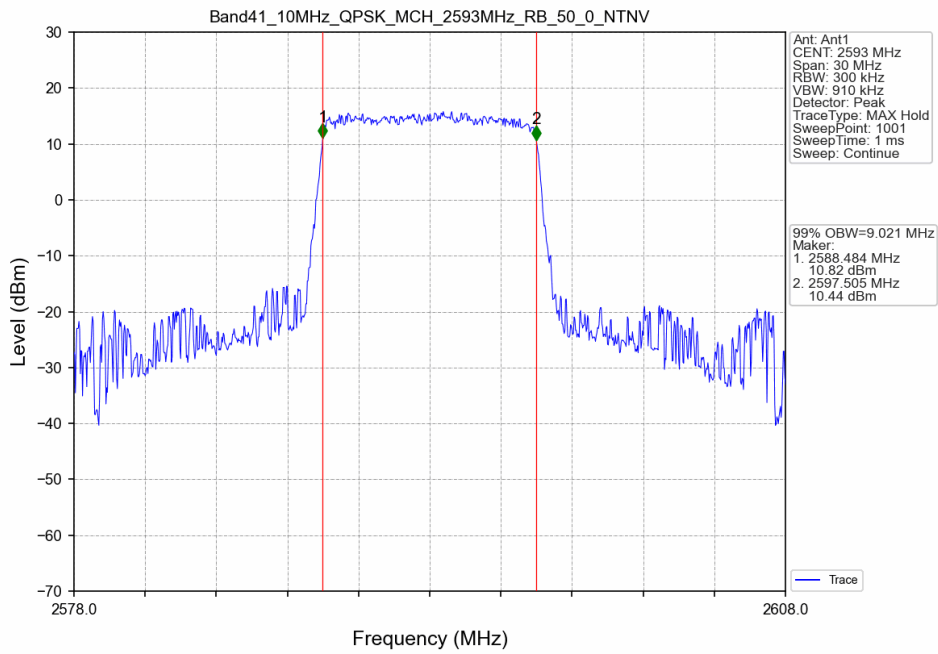
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



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

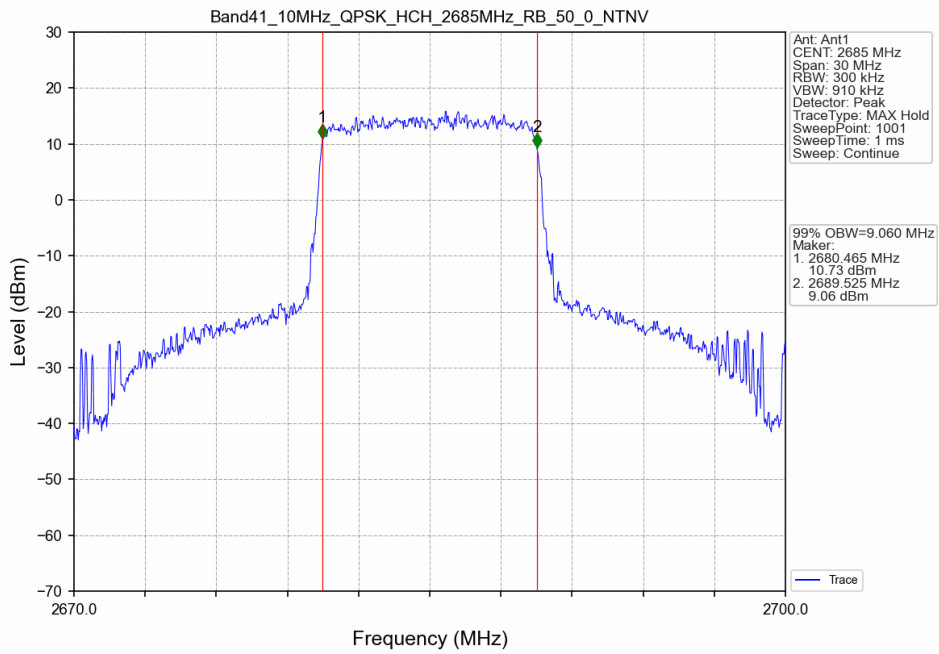


Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV

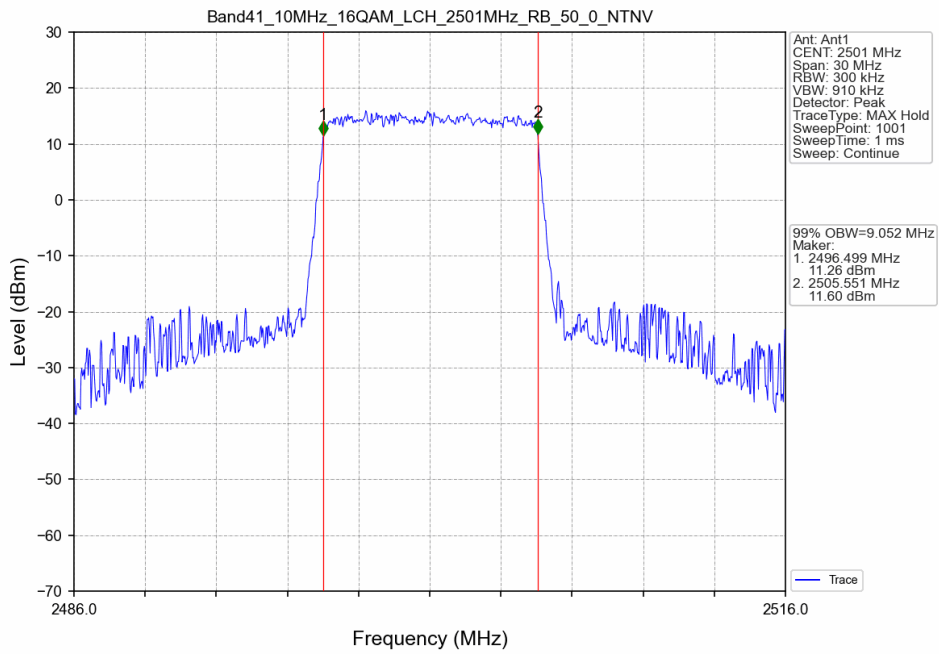




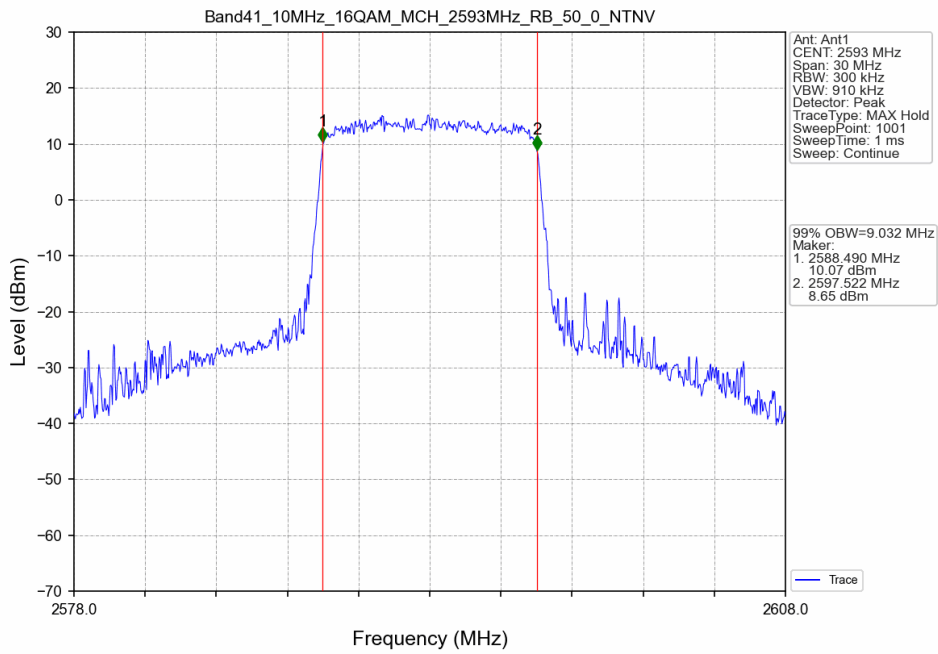
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



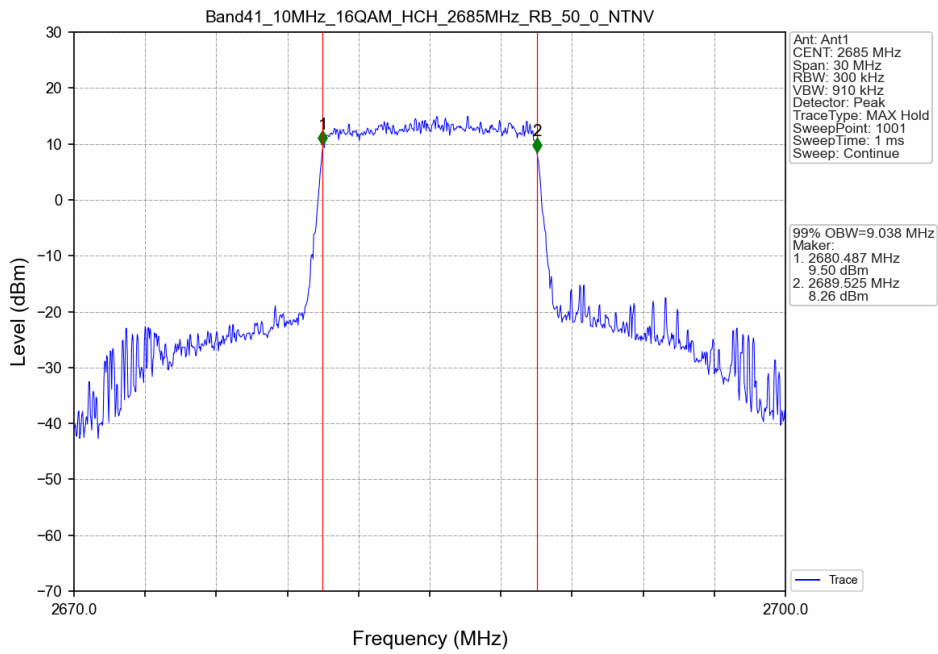
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



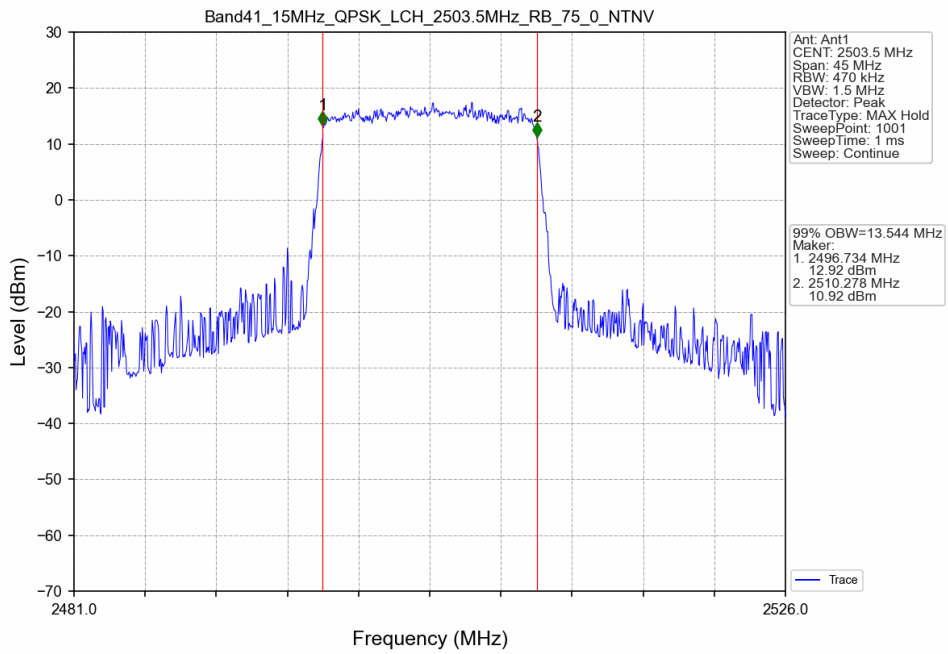
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



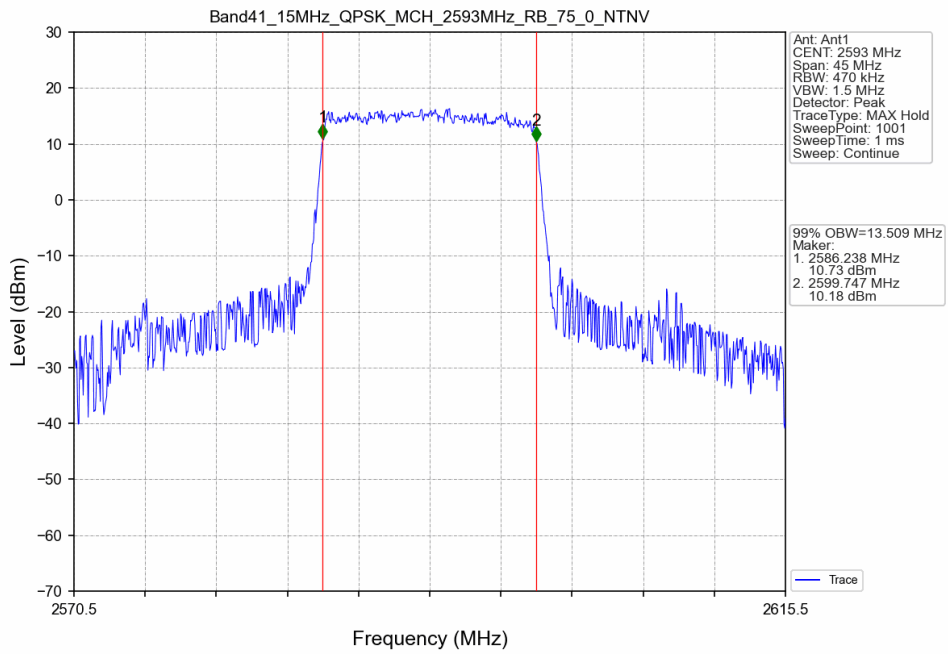
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



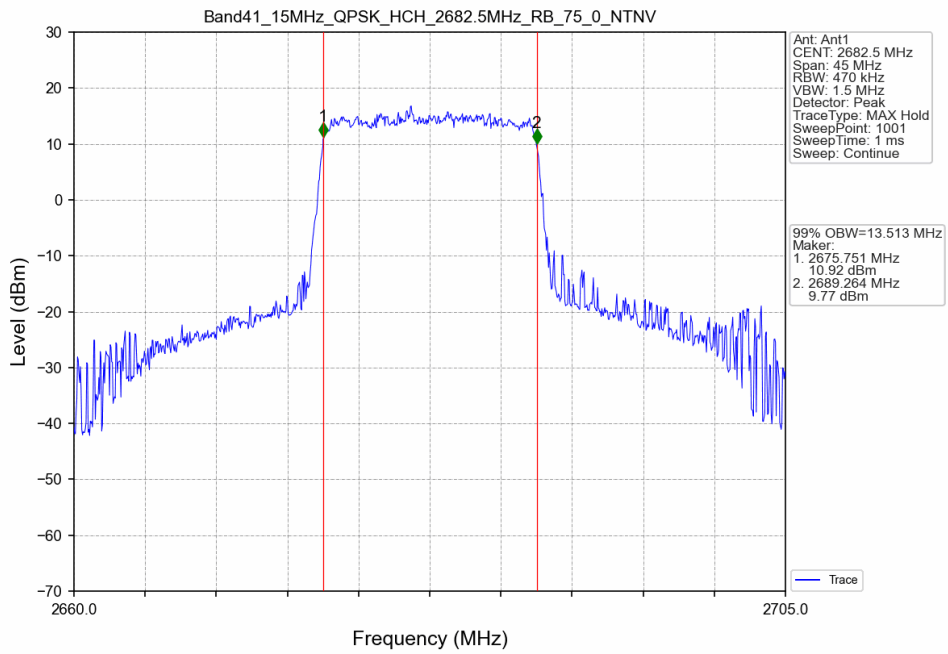
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



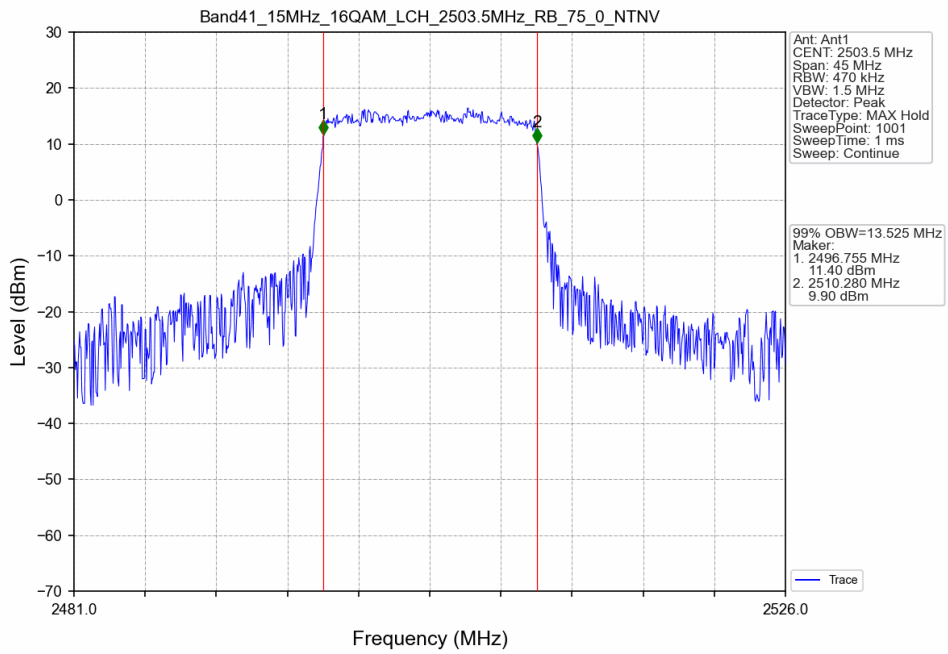
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



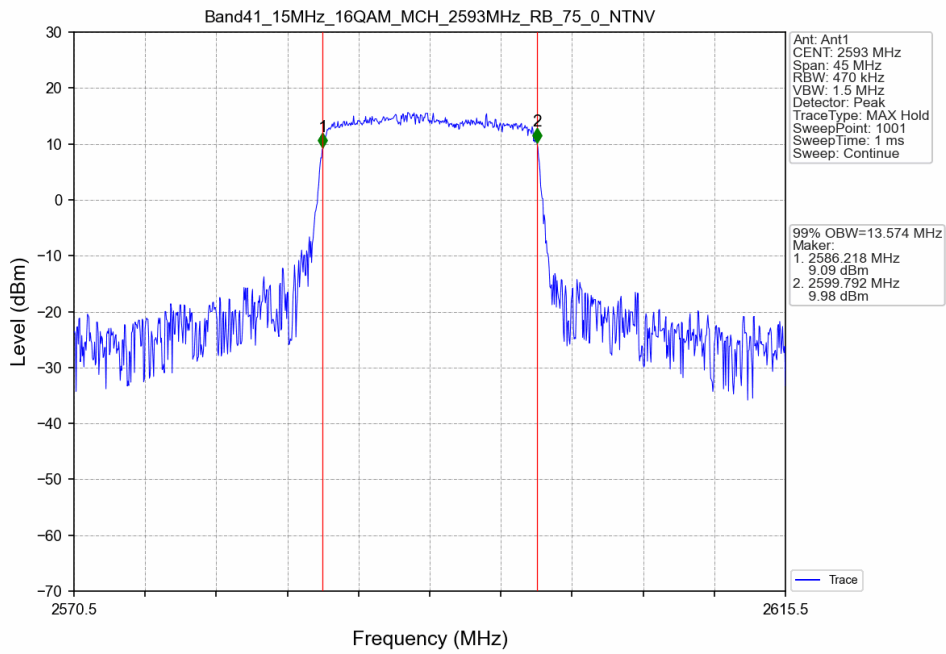
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



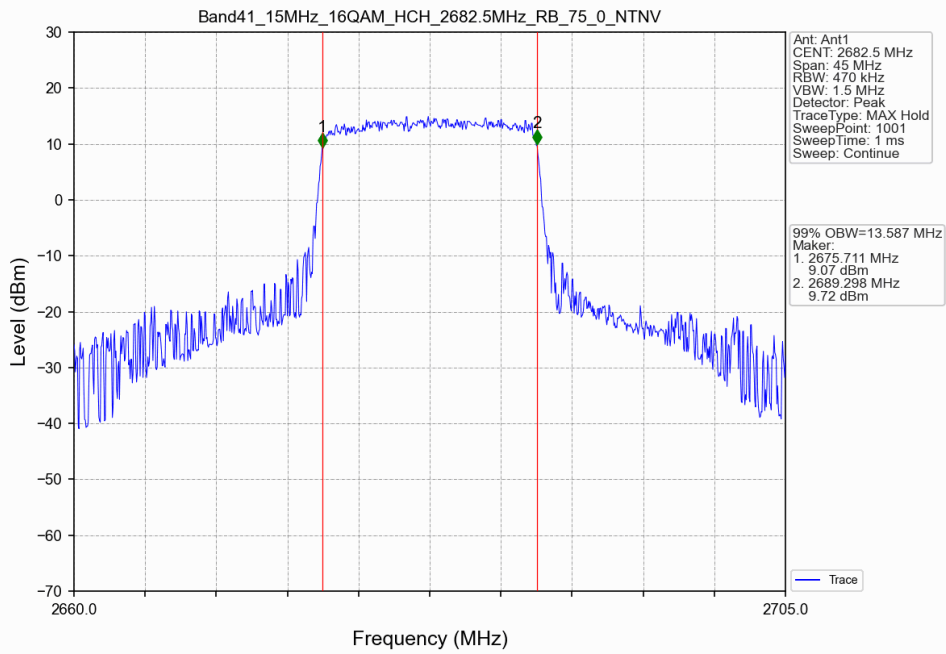
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



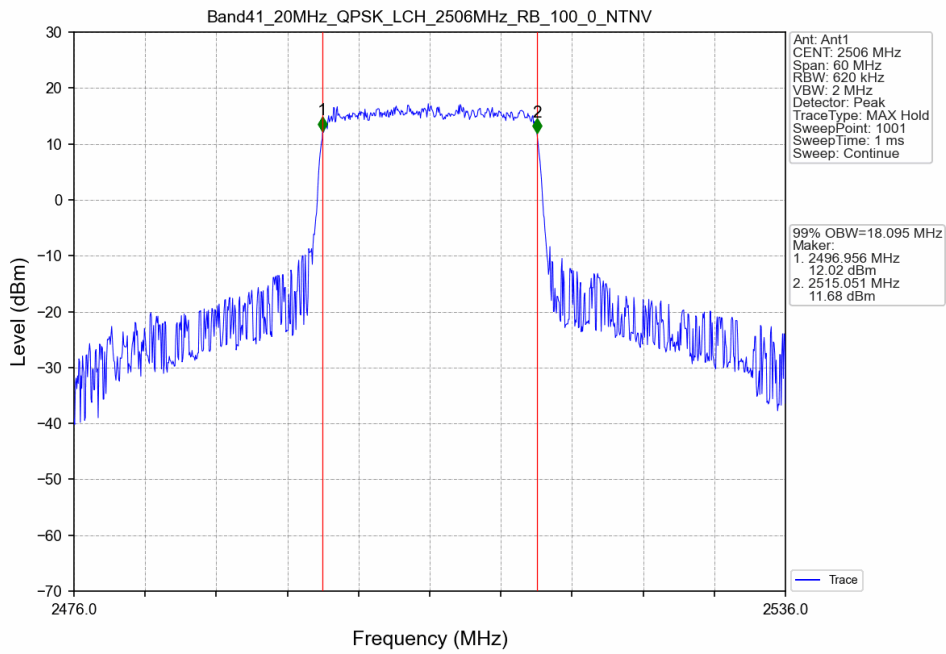
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



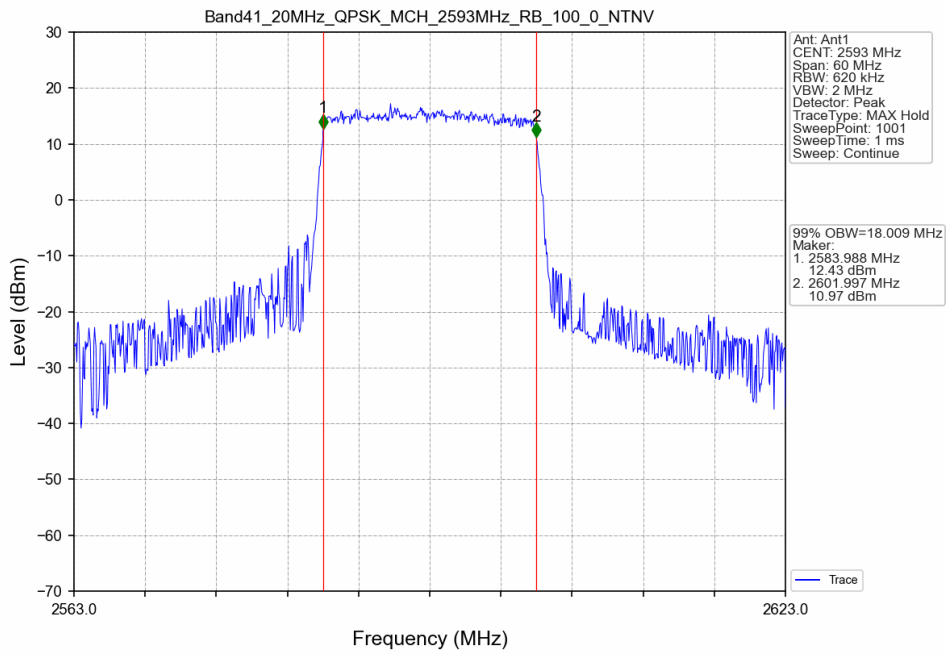
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



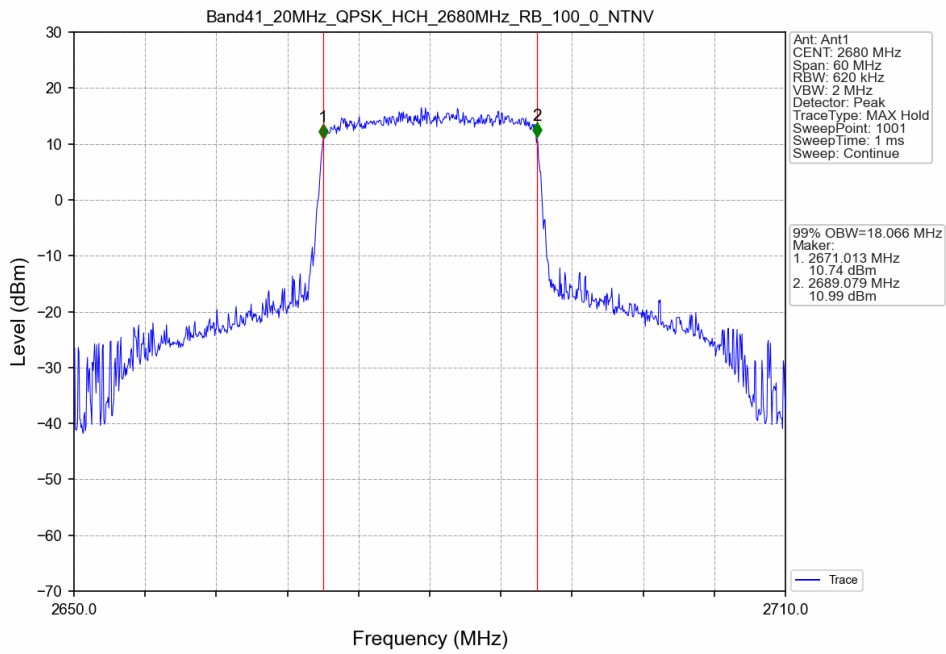
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



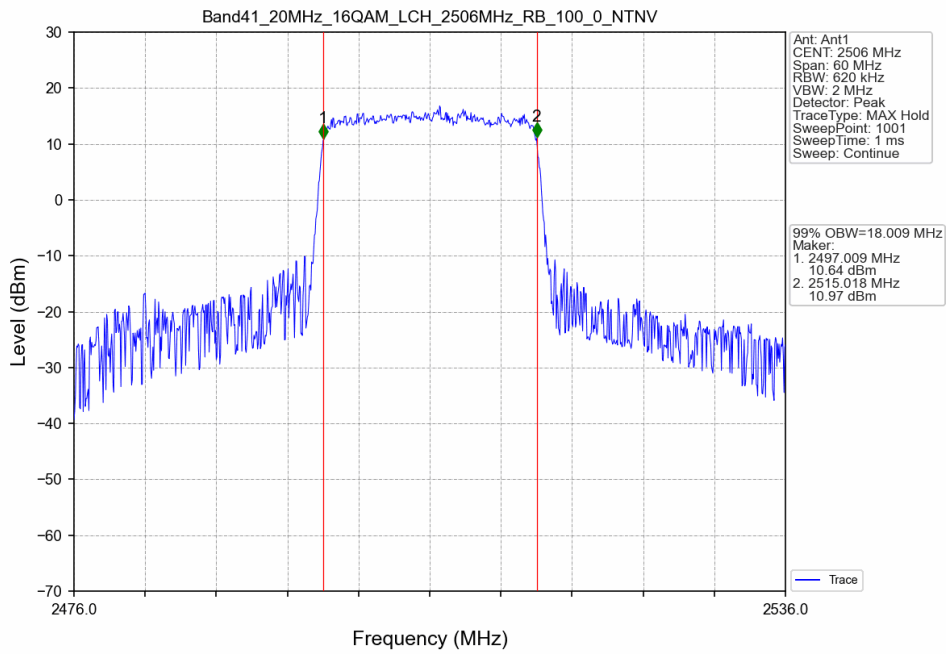
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



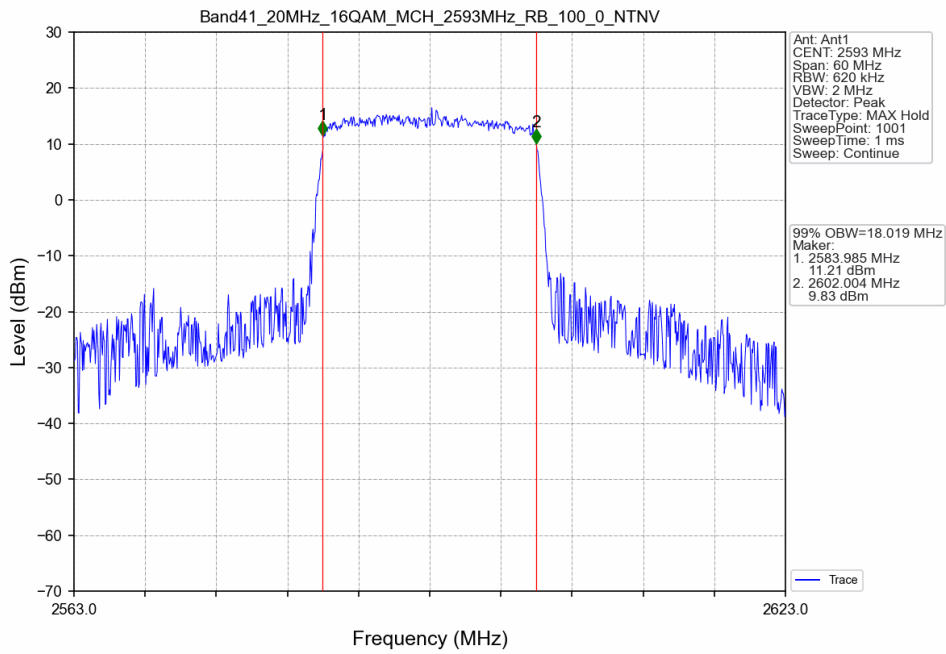
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



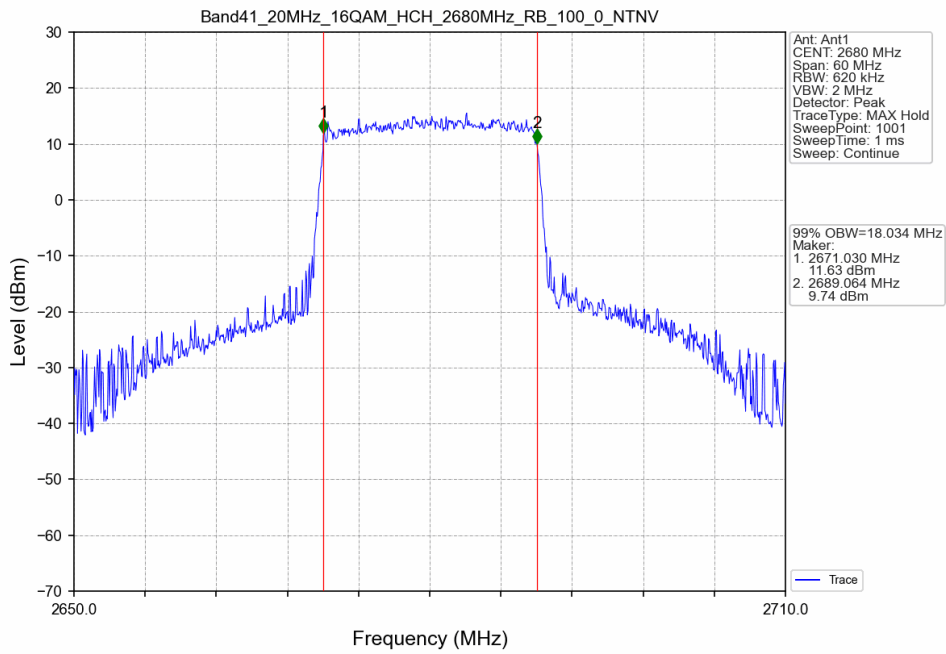
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



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



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



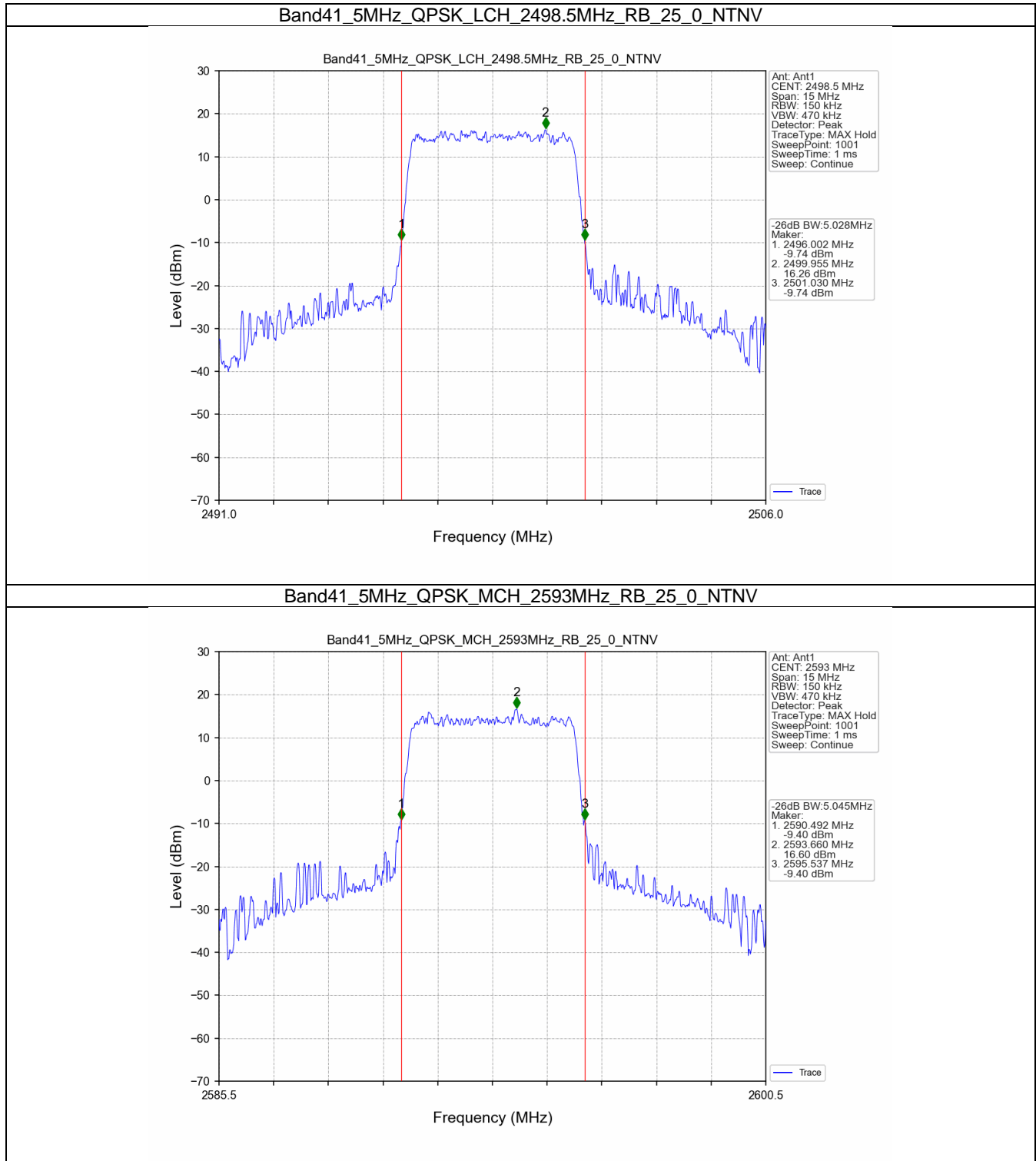


## 6.2 Band41\_XDB

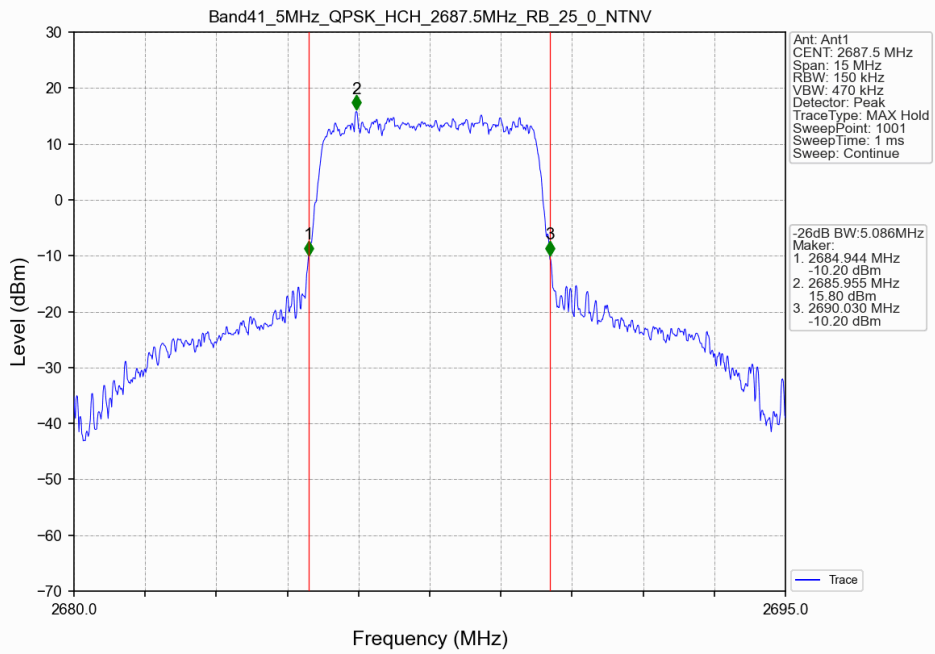
### 6.2.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.028	/	Pass
		2593	25	0	5.045	/	Pass
		2687.5	25	0	5.086	/	Pass
	16QAM	2498.5	25	0	5.070	/	Pass
		2593	25	0	5.071	/	Pass
		2687.5	25	0	5.052	/	Pass
10	QPSK	2501	50	0	10.138	/	Pass
		2593	50	0	10.133	/	Pass
		2685	50	0	10.215	/	Pass
	16QAM	2501	50	0	9.985	/	Pass
		2593	50	0	9.935	/	Pass
		2685	50	0	9.991	/	Pass
15	QPSK	2503.5	75	0	14.959	/	Pass
		2593	75	0	14.926	/	Pass
		2682.5	75	0	15.352	/	Pass
	16QAM	2503.5	75	0	15.547	/	Pass
		2593	75	0	15.658	/	Pass
		2682.5	75	0	16.220	/	Pass
20	QPSK	2506	100	0	20.348	/	Pass
		2593	100	0	21.718	/	Pass
		2680	100	0	19.795	/	Pass
	16QAM	2506	100	0	19.651	/	Pass
		2593	100	0	19.890	/	Pass
		2680	100	0	20.067	/	Pass

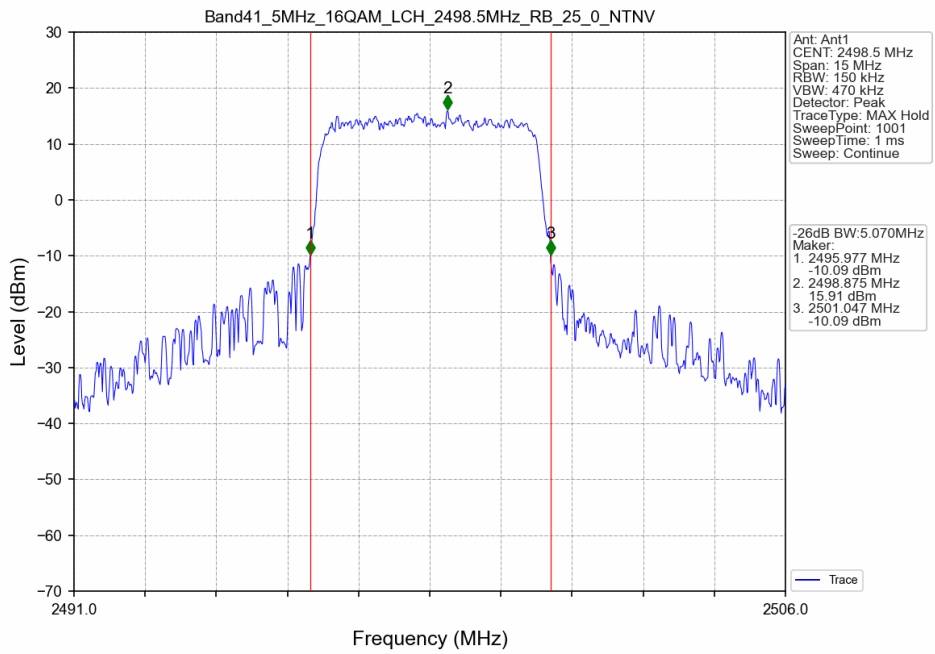
## 6.2.2 Test Graph



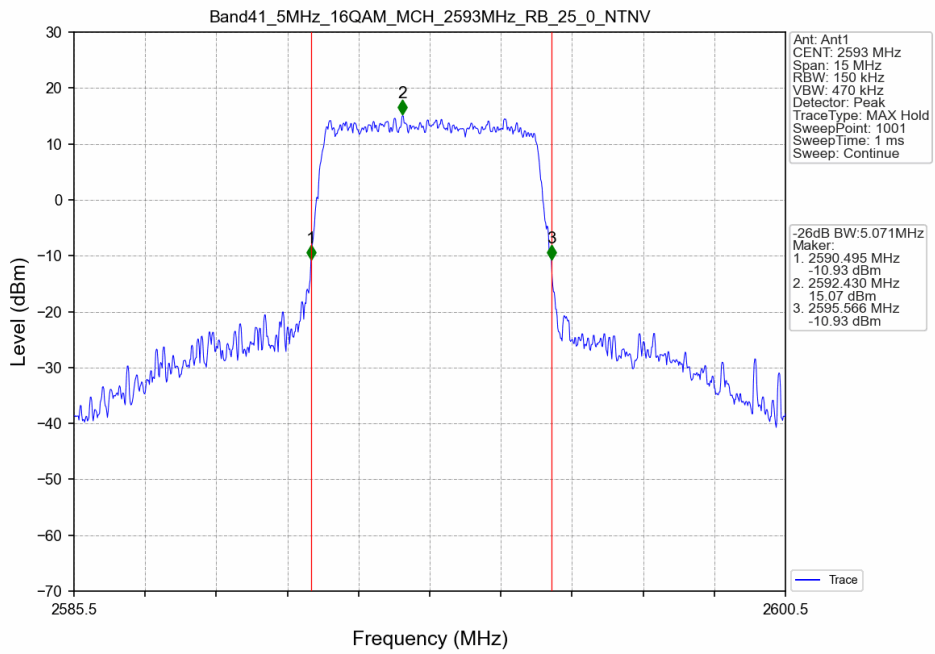
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



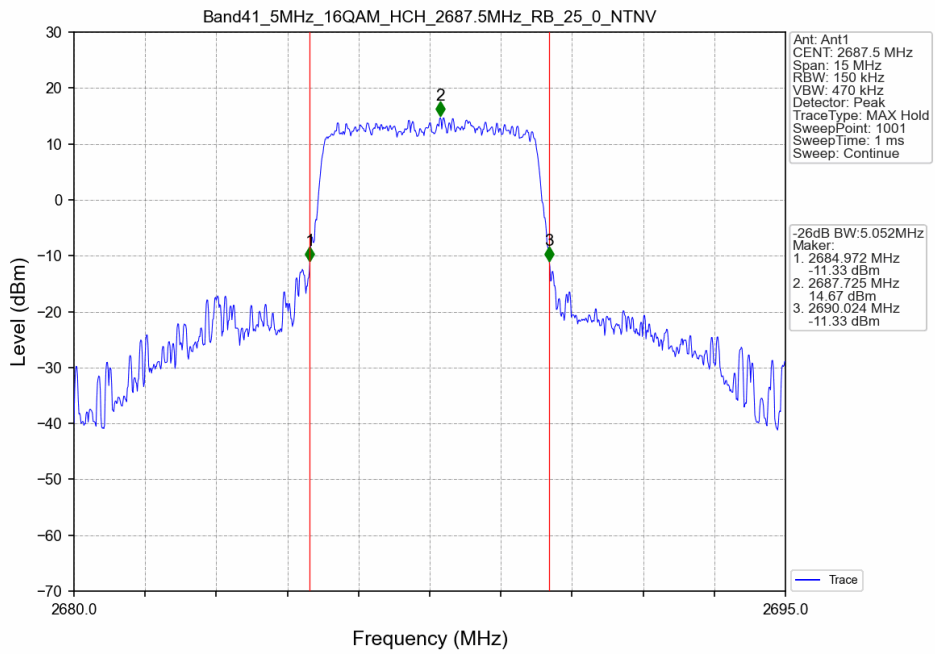
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



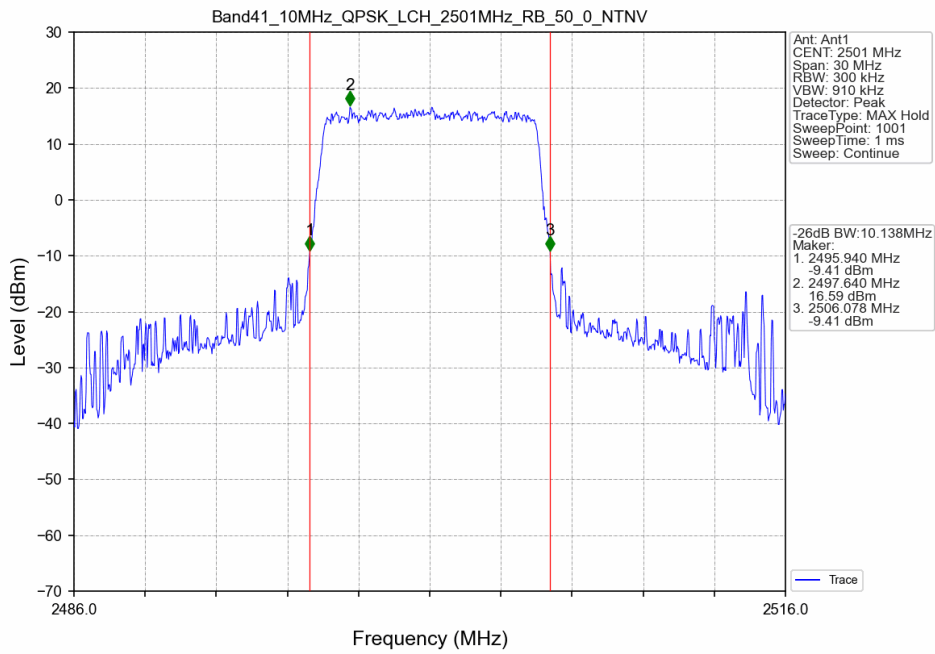
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



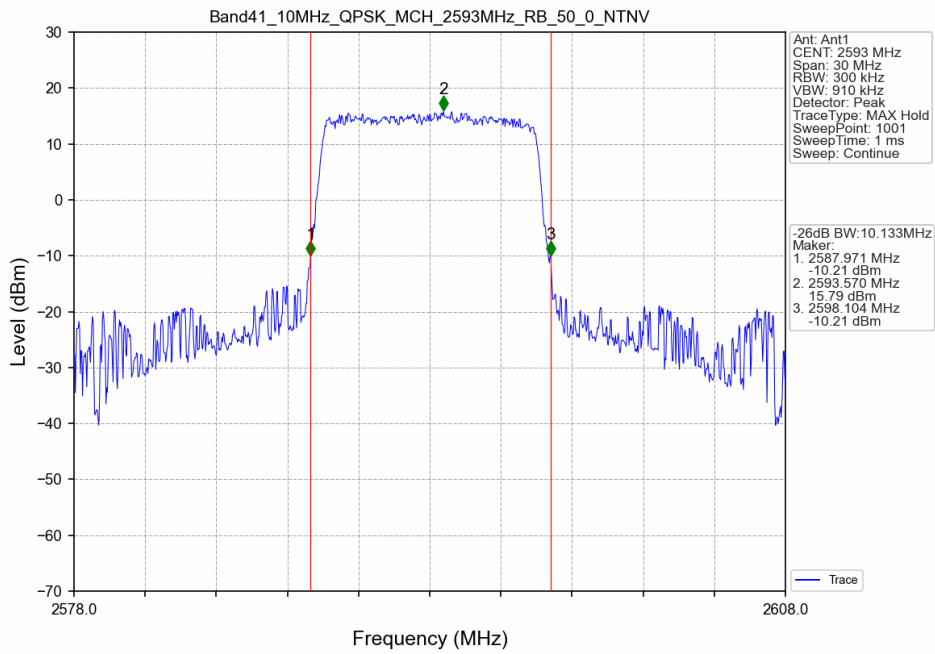
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



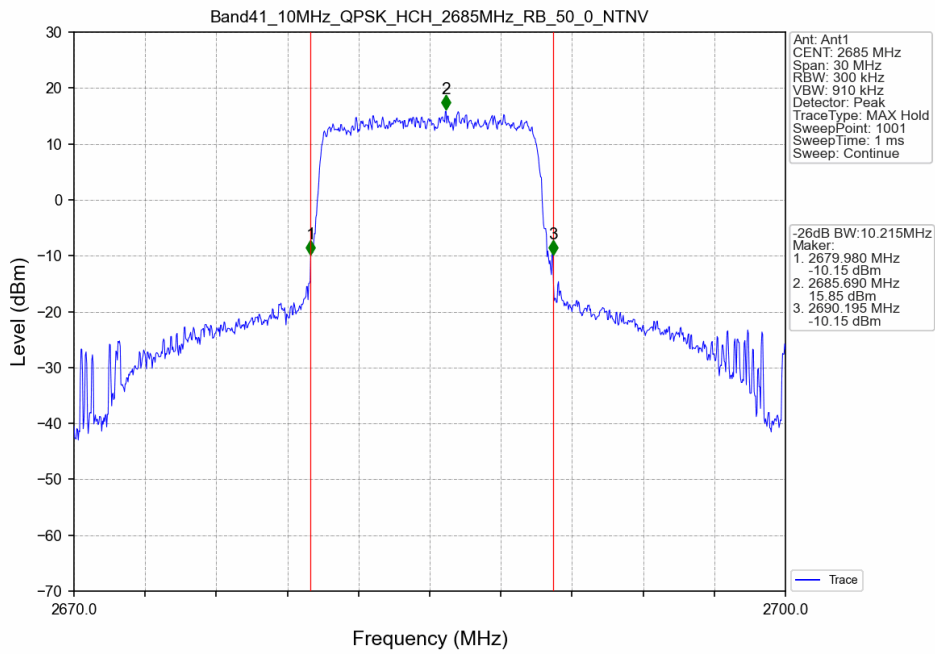
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



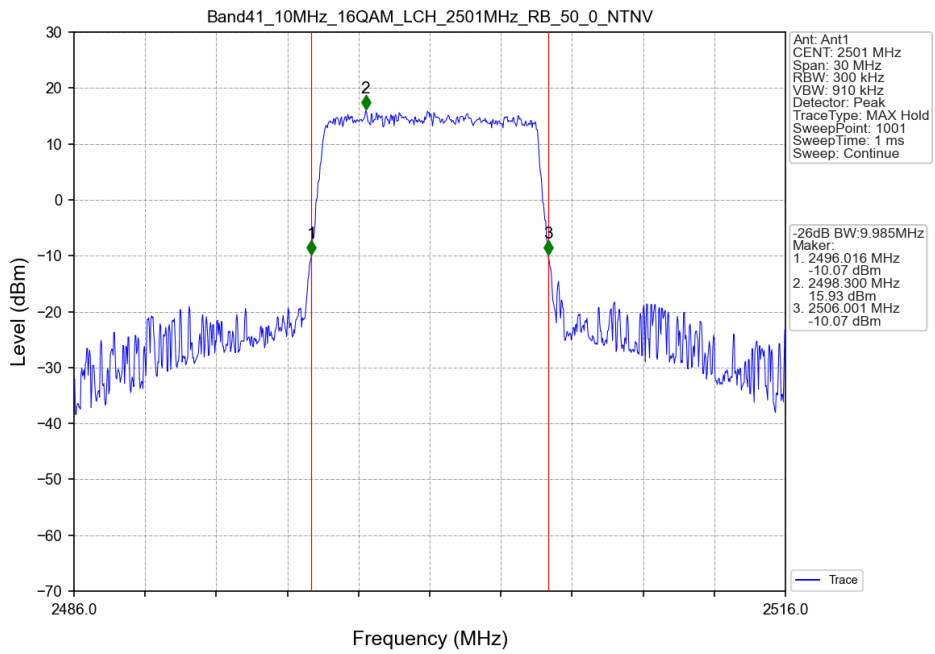
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



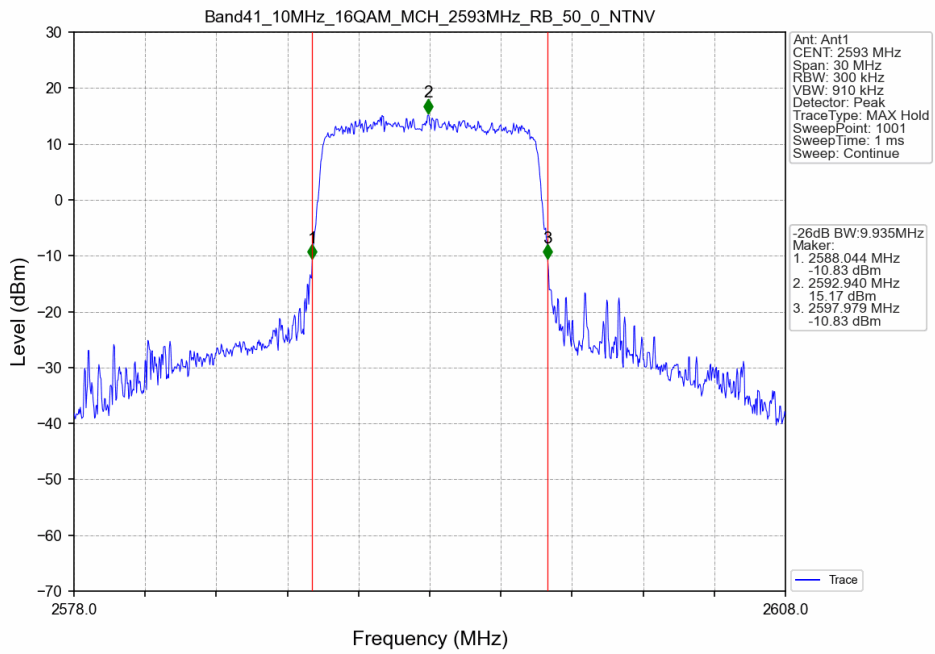
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



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

