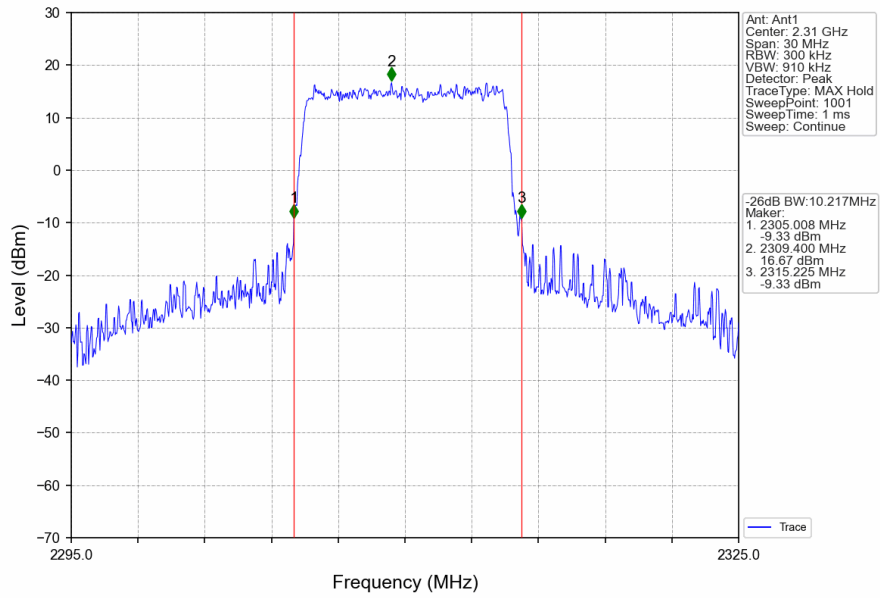
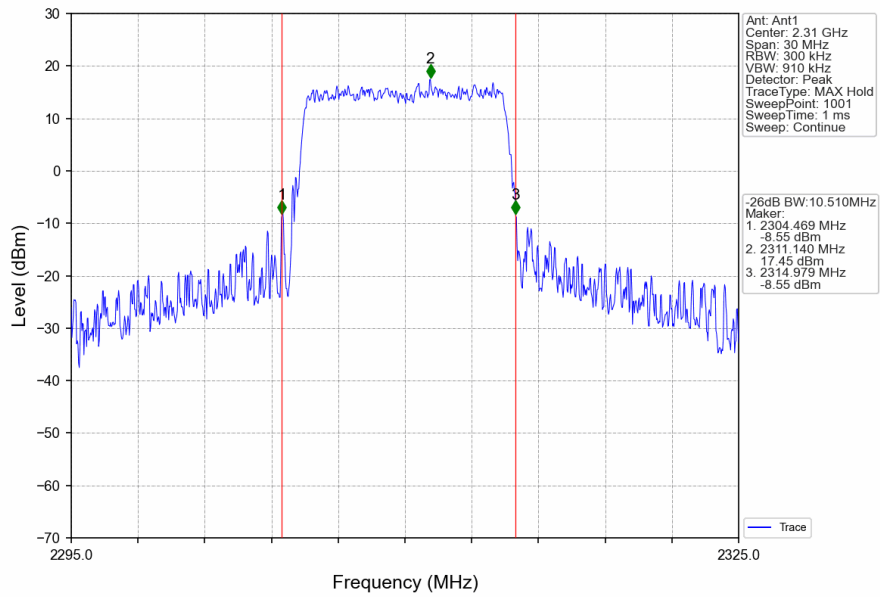


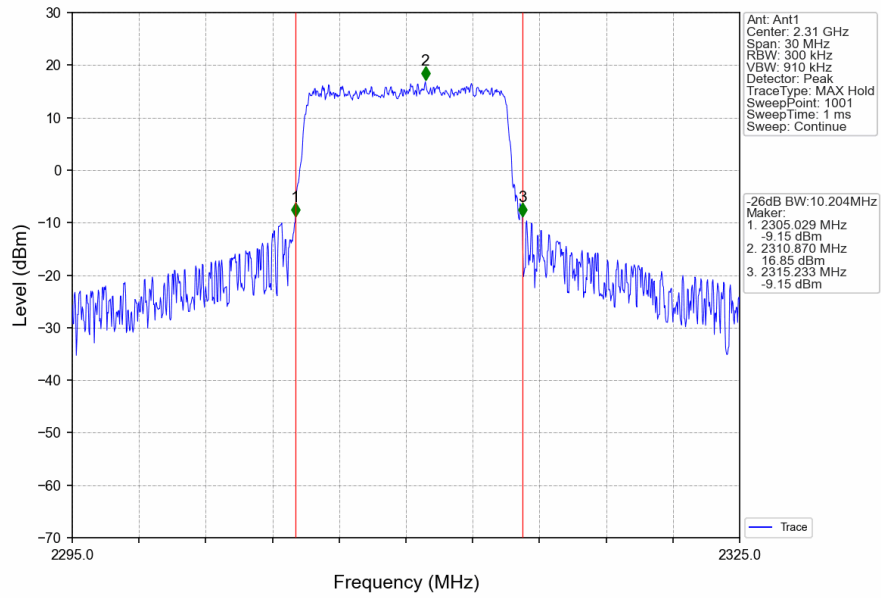
Band40a\_10MHz\_QPSK\_LCH\_2310MHz\_RB\_50\_0\_NTNV



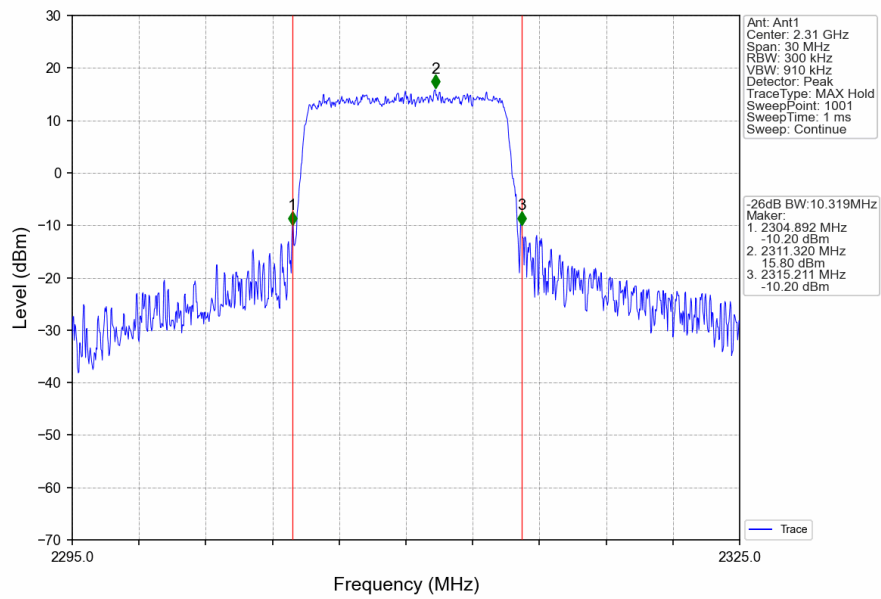
Band40a\_10MHz\_QPSK\_MCH\_2310MHz\_RB\_50\_0\_NTNV



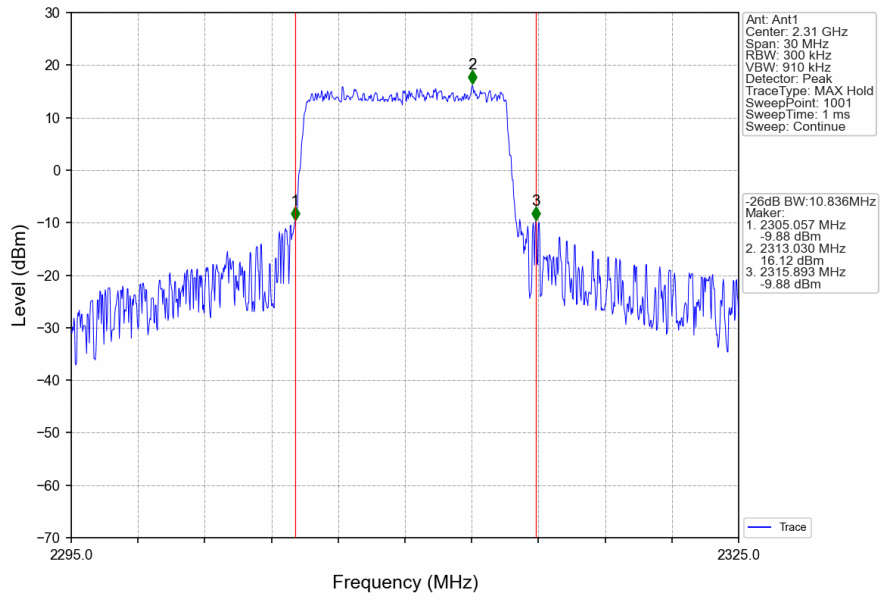
Band40a\_10MHz\_QPSK\_HCH\_2310MHz\_RB\_50\_0\_NTNV



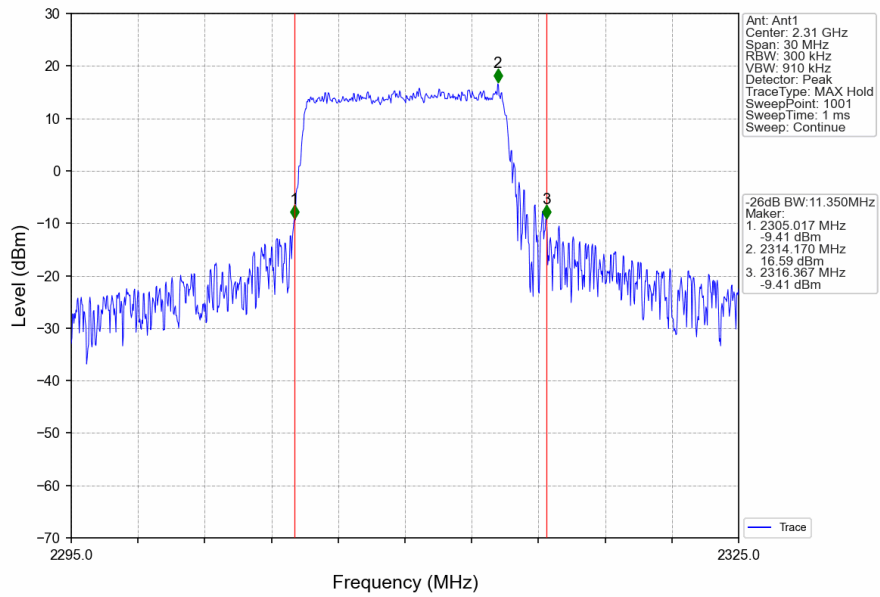
Band40a\_10MHz\_16QAM\_LCH\_2310MHz\_RB\_50\_0\_NTNV



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



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



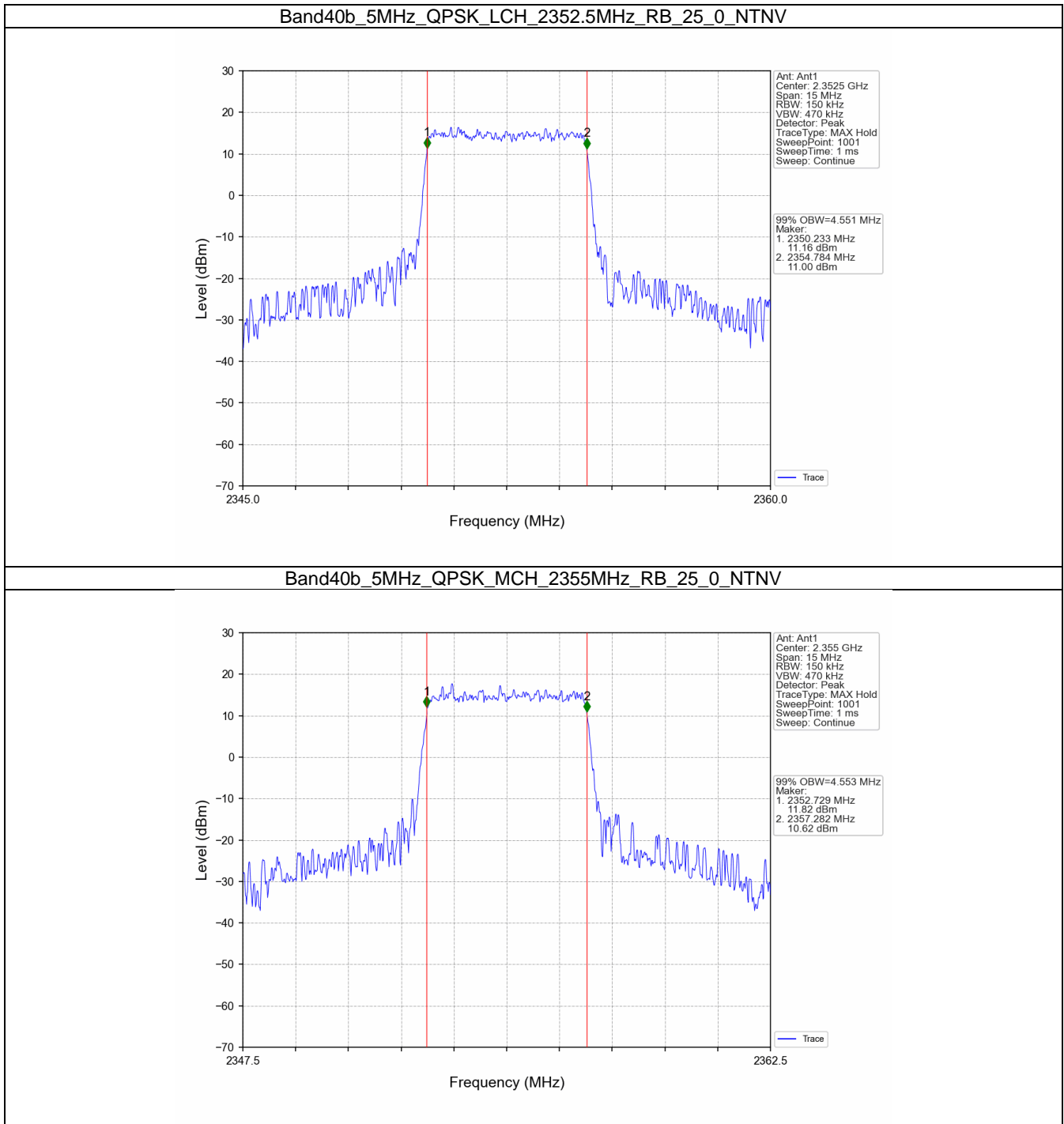
## 11. 99% & 26dB Bandwidth

### 11.1 Band40b\_OBW

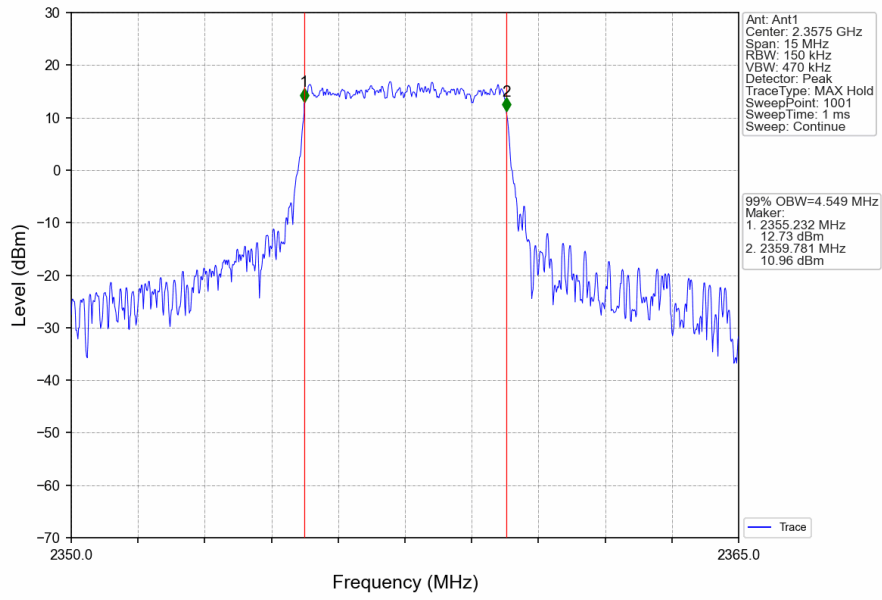
#### 11.1.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.551	Pass
		2355	25	0	4.553	Pass
		2357.5	25	0	4.549	Pass
	16QAM	2352.5	25	0	4.553	Pass
		2355	25	0	4.558	Pass
		2357.5	25	0	4.555	Pass
10	QPSK	2355	50	0	9.100	Pass
		2355	50	0	9.062	Pass
		2355	50	0	9.074	Pass
	16QAM	2355	50	0	9.100	Pass
		2355	50	0	9.128	Pass
		2355	50	0	9.065	Pass

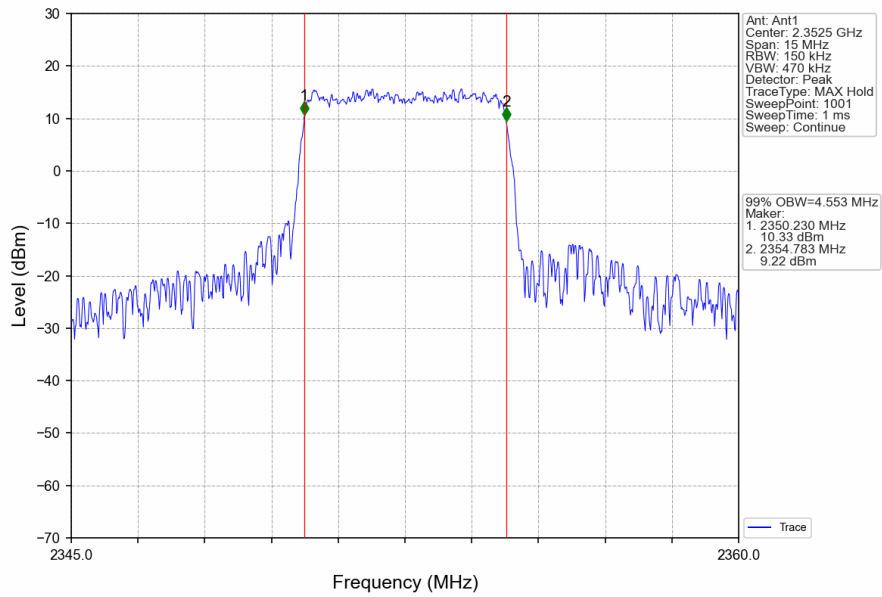
### 11.1.2 Test Graph



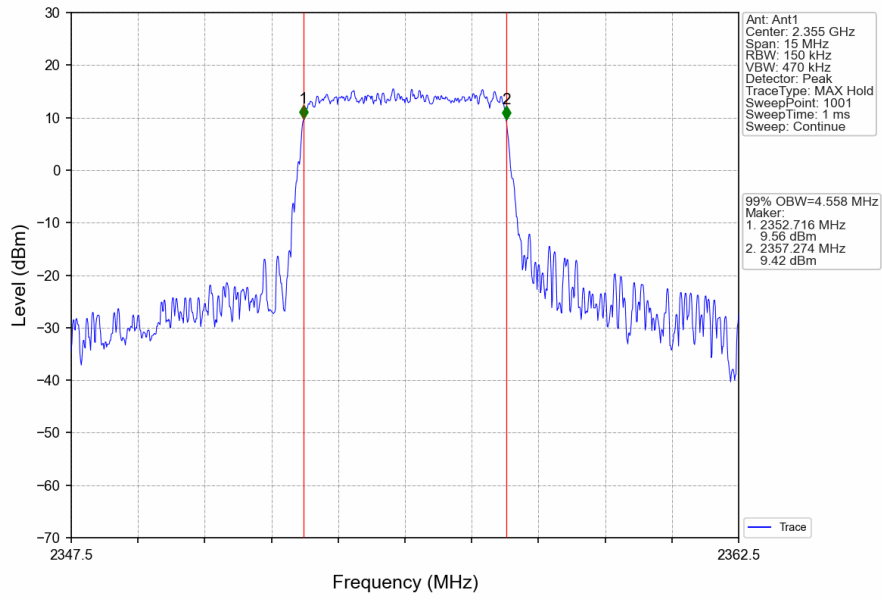
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



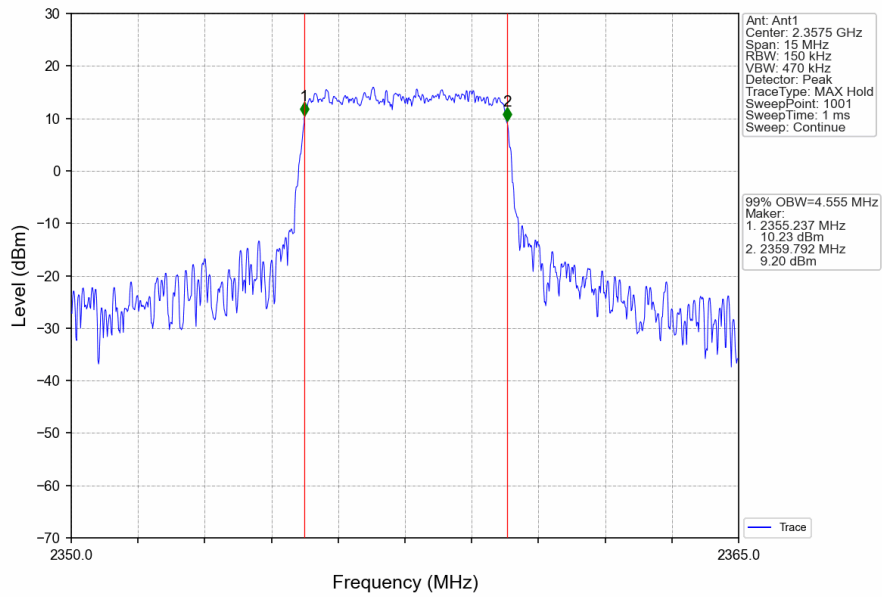
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



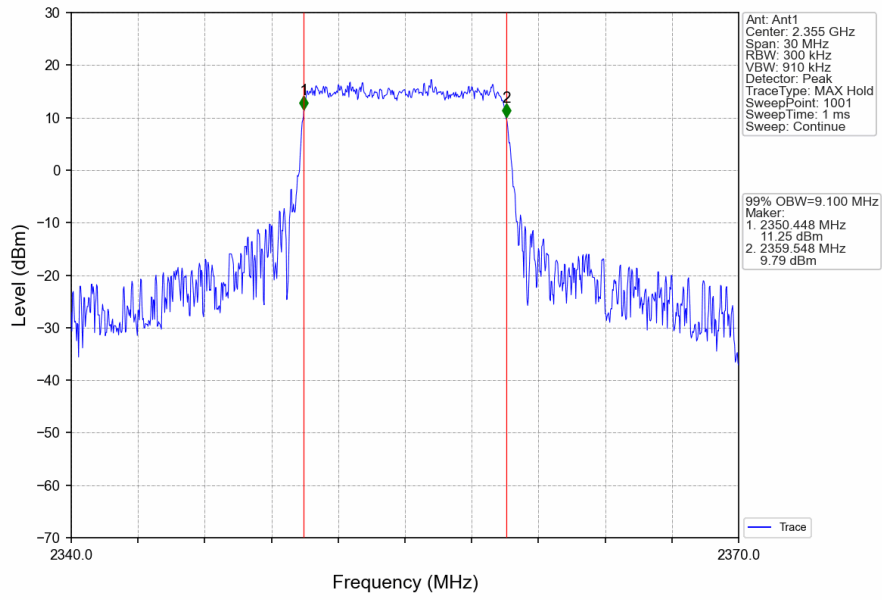
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV



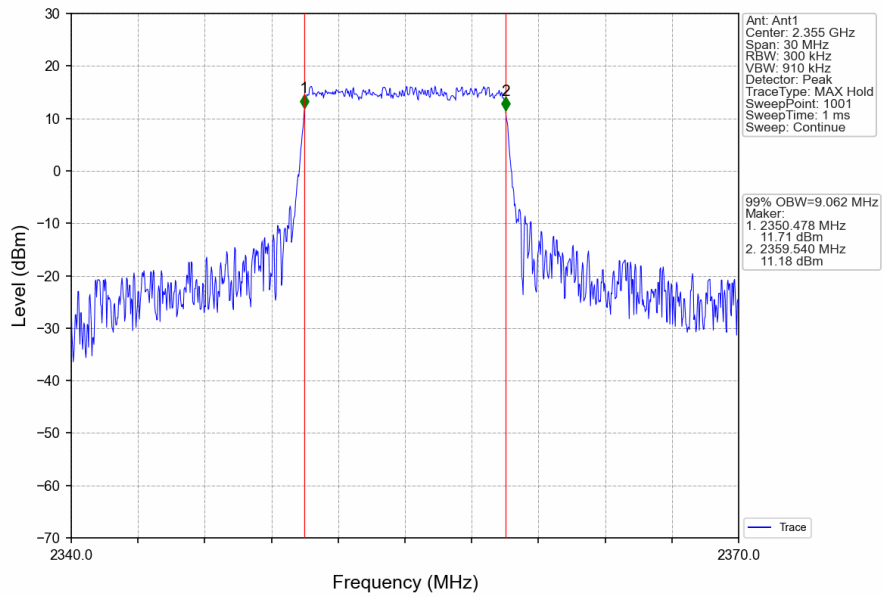
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



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

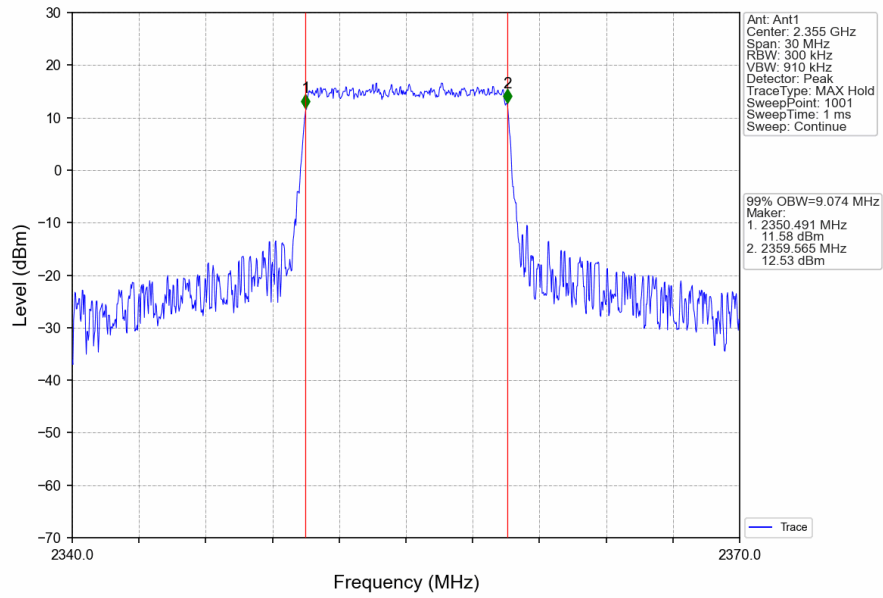


Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_50\_0\_NTNV

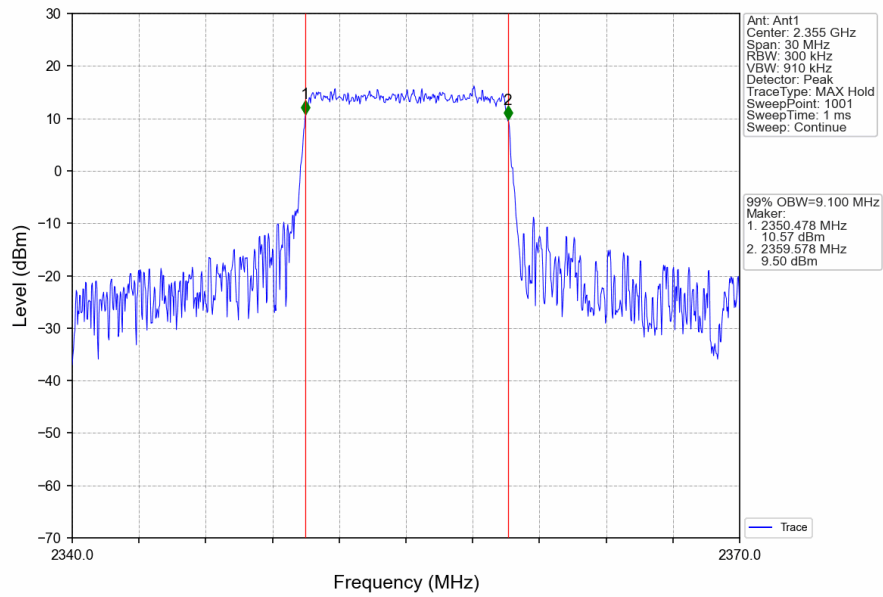




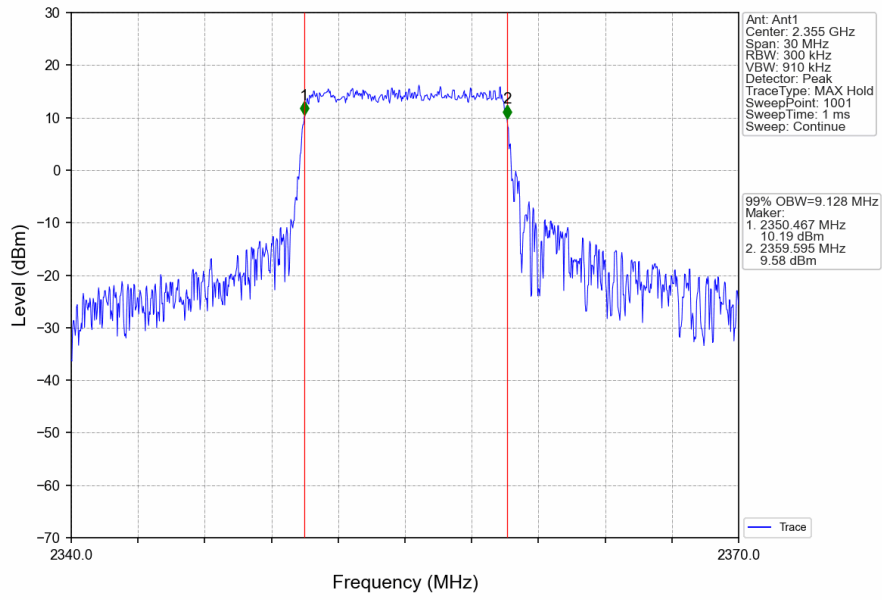
Band40b\_10MHz\_QPSK\_HCH\_2355MHz\_RB\_50\_0\_NTNV



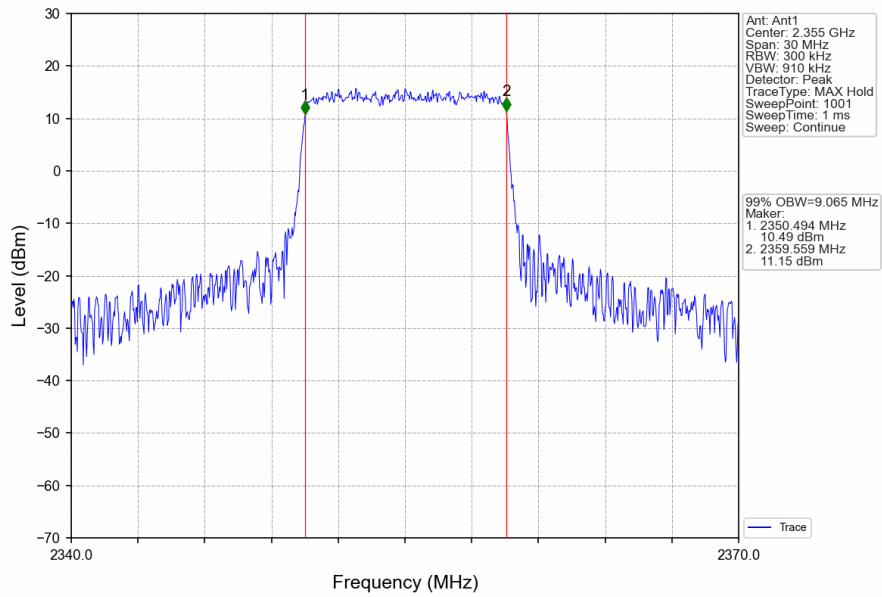
Band40b\_10MHz\_16QAM\_LCH\_2355MHz\_RB\_50\_0\_NTNV



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



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

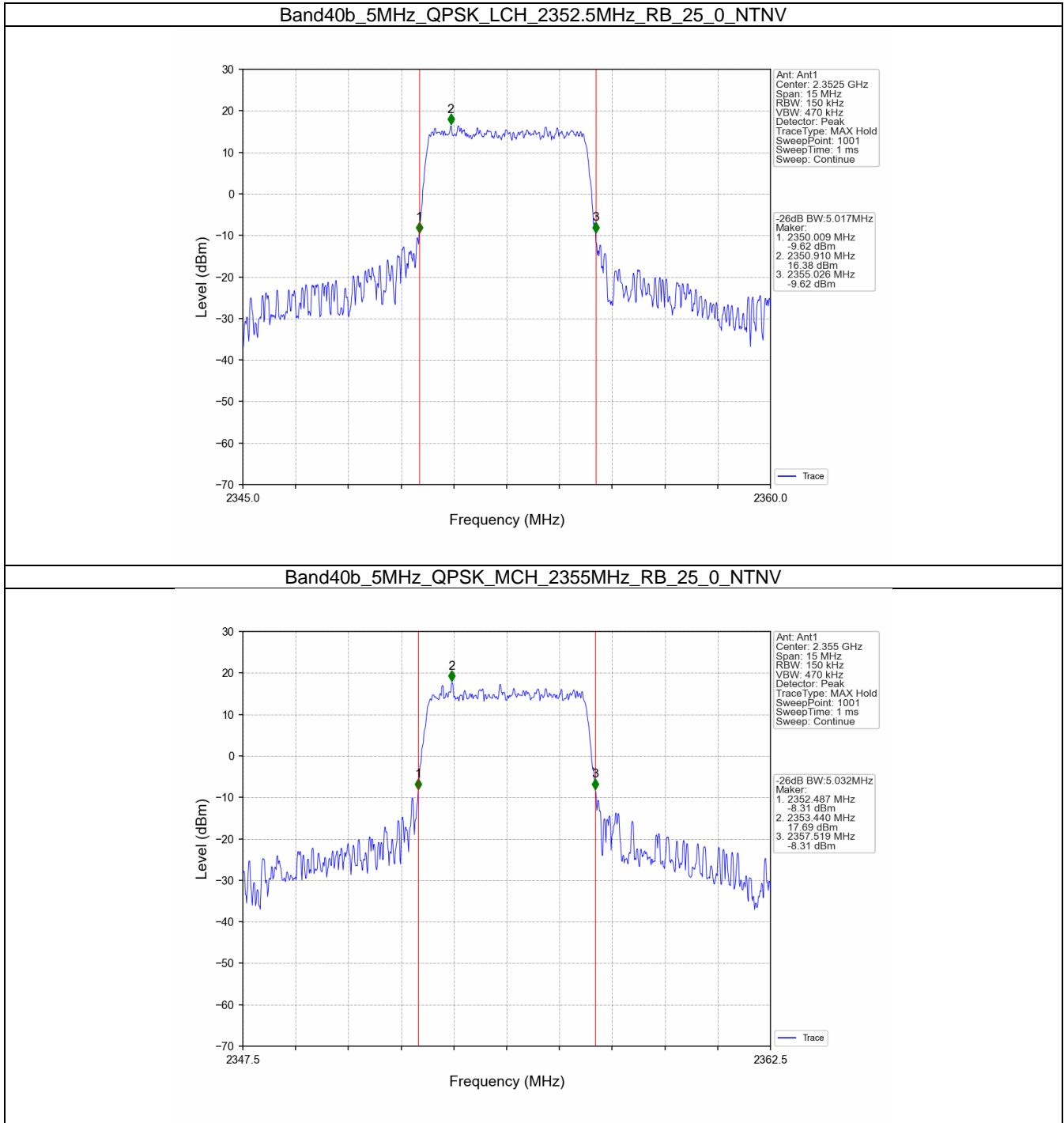


## 11.2 Band40b\_XDB

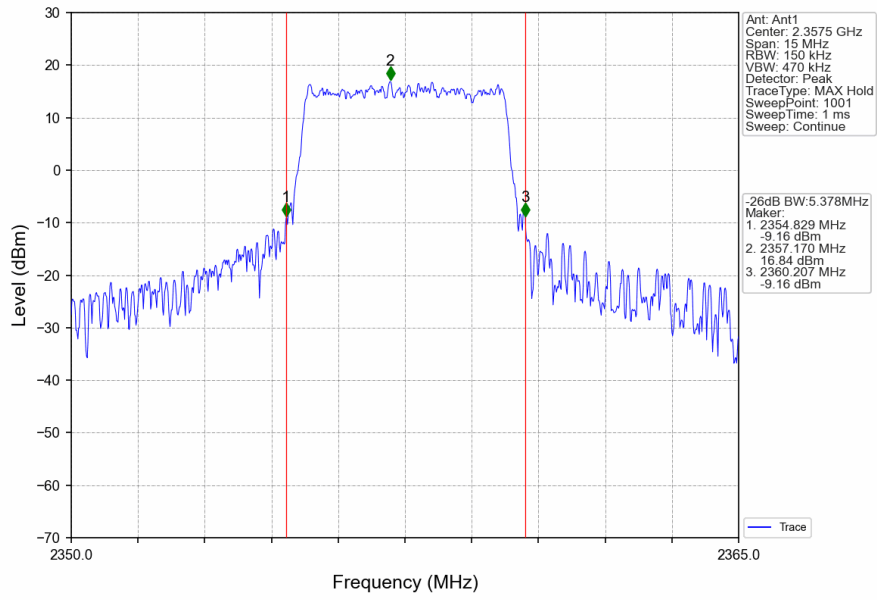
### 11.2.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	5.017	Pass
		2355	25	0	5.032	Pass
		2357.5	25	0	5.378	Pass
	16QAM	2352.5	25	0	5.206	Pass
		2355	25	0	5.080	Pass
		2357.5	25	0	5.037	Pass
10	QPSK	2355	50	0	10.850	Pass
		2355	50	0	10.884	Pass
		2355	50	0	9.962	Pass
	16QAM	2355	50	0	11.254	Pass
		2355	50	0	11.707	Pass
		2355	50	0	9.990	Pass

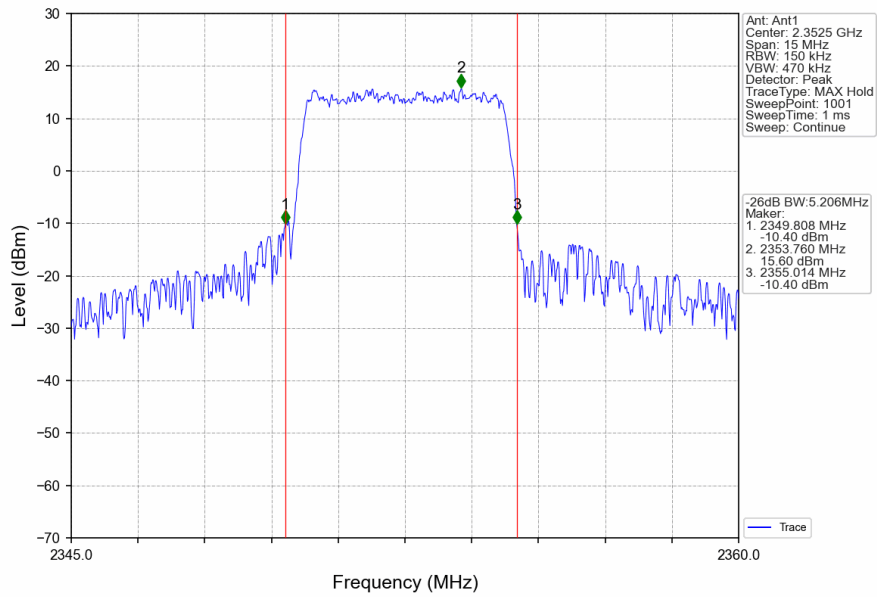
## 11.2.2 Test Graph



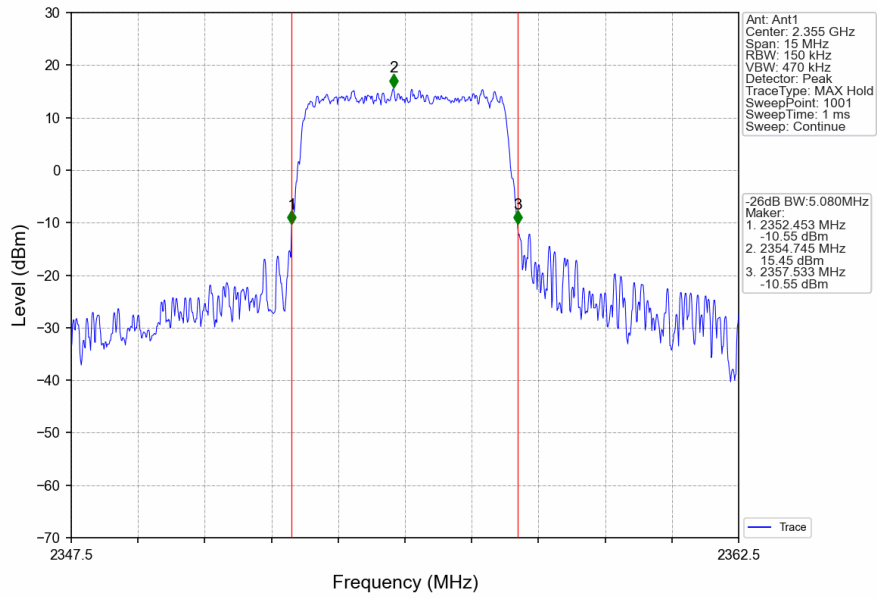
Band40b\_5MHz\_QPSK\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



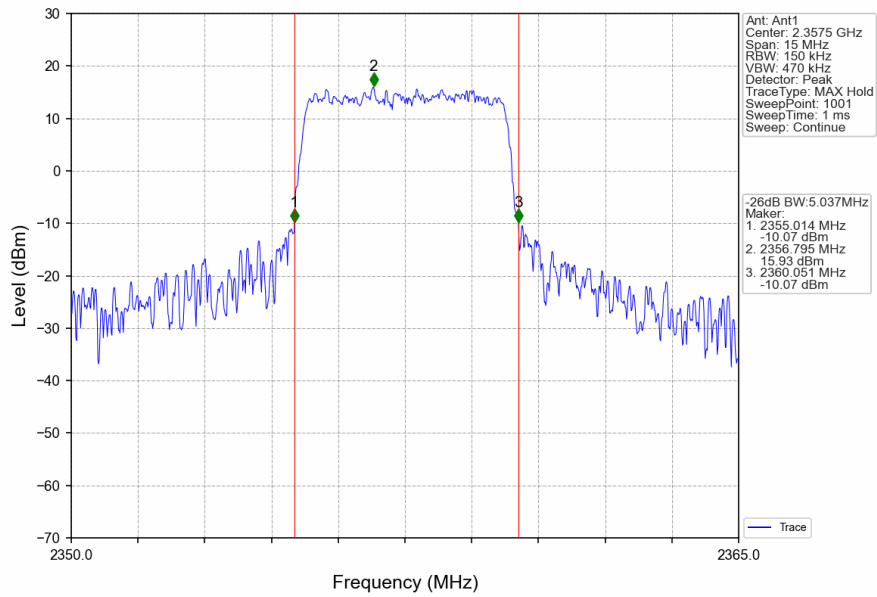
Band40b\_5MHz\_16QAM\_LCH\_2352.5MHz\_RB\_25\_0\_NTNV



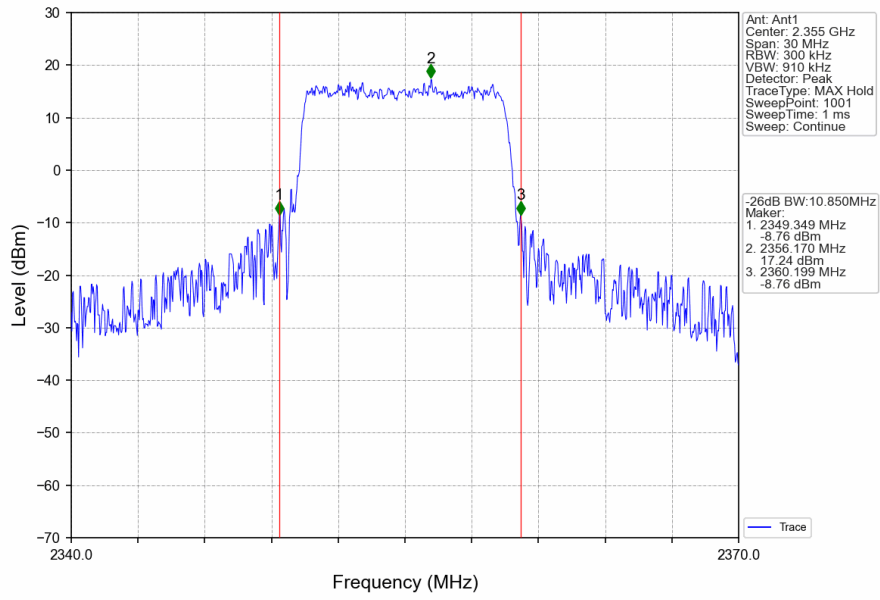
Band40b\_5MHz\_16QAM\_MCH\_2355MHz\_RB\_25\_0\_NTNV



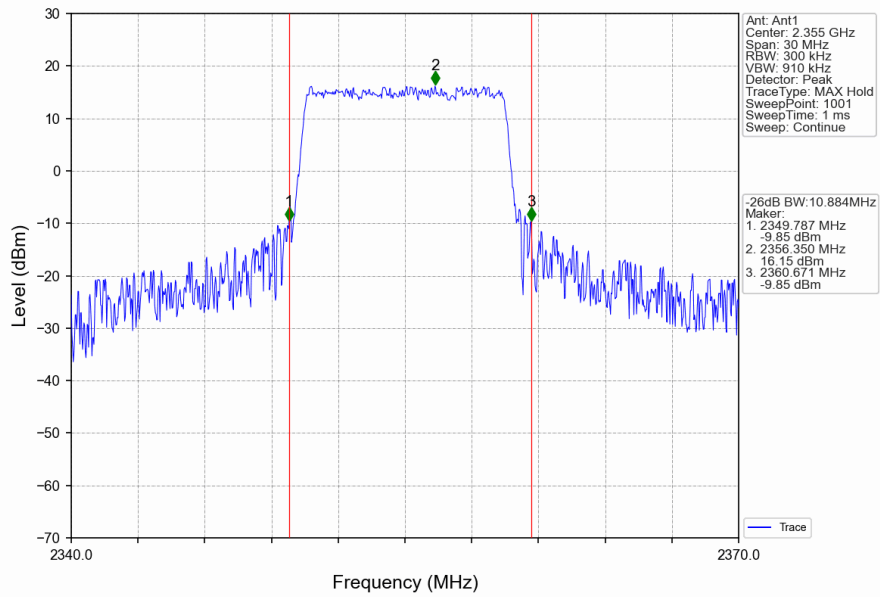
Band40b\_5MHz\_16QAM\_HCH\_2357.5MHz\_RB\_25\_0\_NTNV



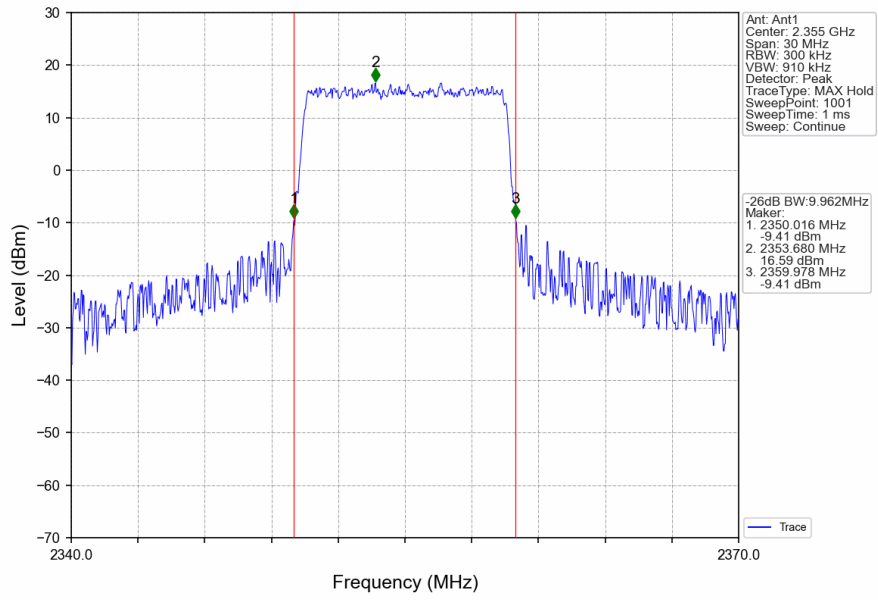
Band40b\_10MHz\_QPSK\_LCH\_2355MHz\_RB\_50\_0\_NTNV



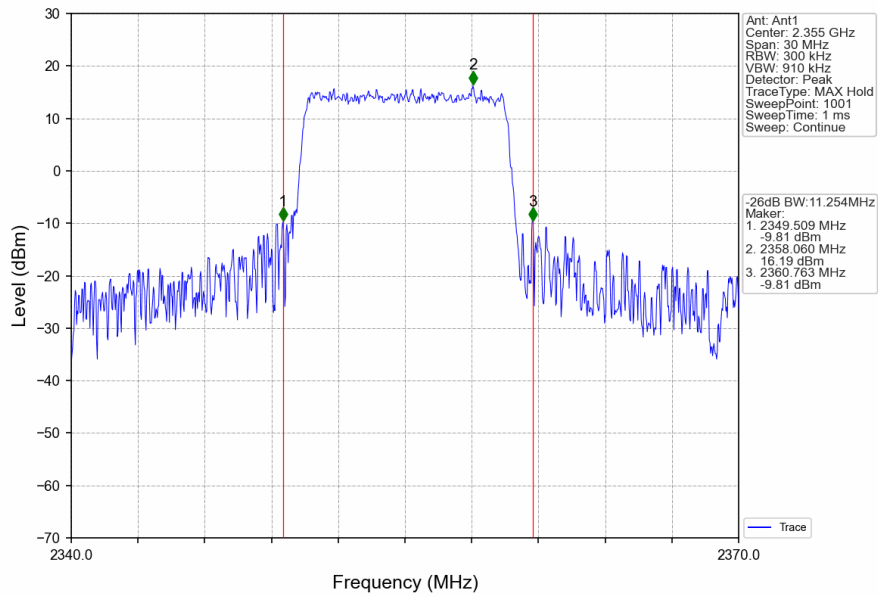
Band40b\_10MHz\_QPSK\_MCH\_2355MHz\_RB\_50\_0\_NTNV



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

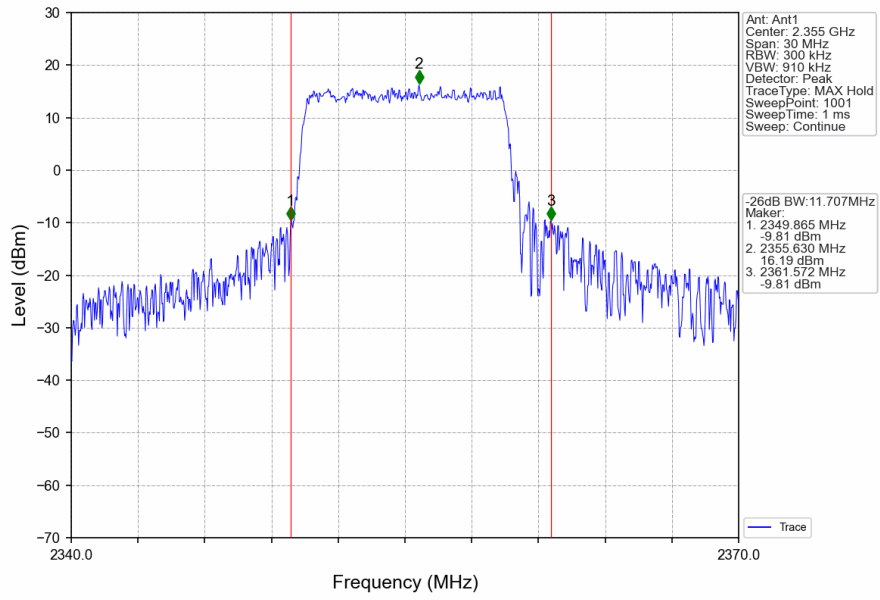


Band40b\_10MHz\_16QAM\_LCH\_2355MHz\_RB\_50\_0\_NTNV

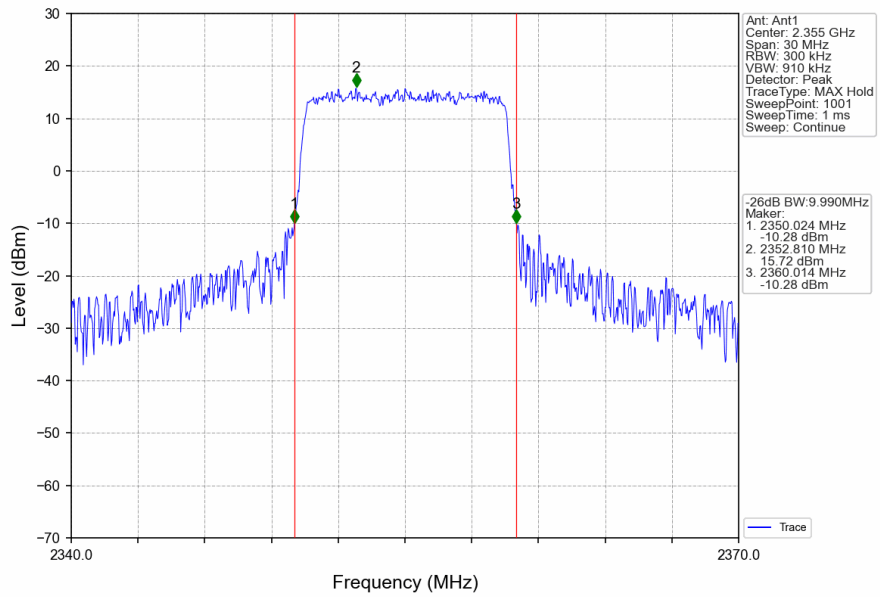




Band40b\_10MHz\_16QAM\_MCH\_2355MHz\_RB\_50\_0\_NTNV



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



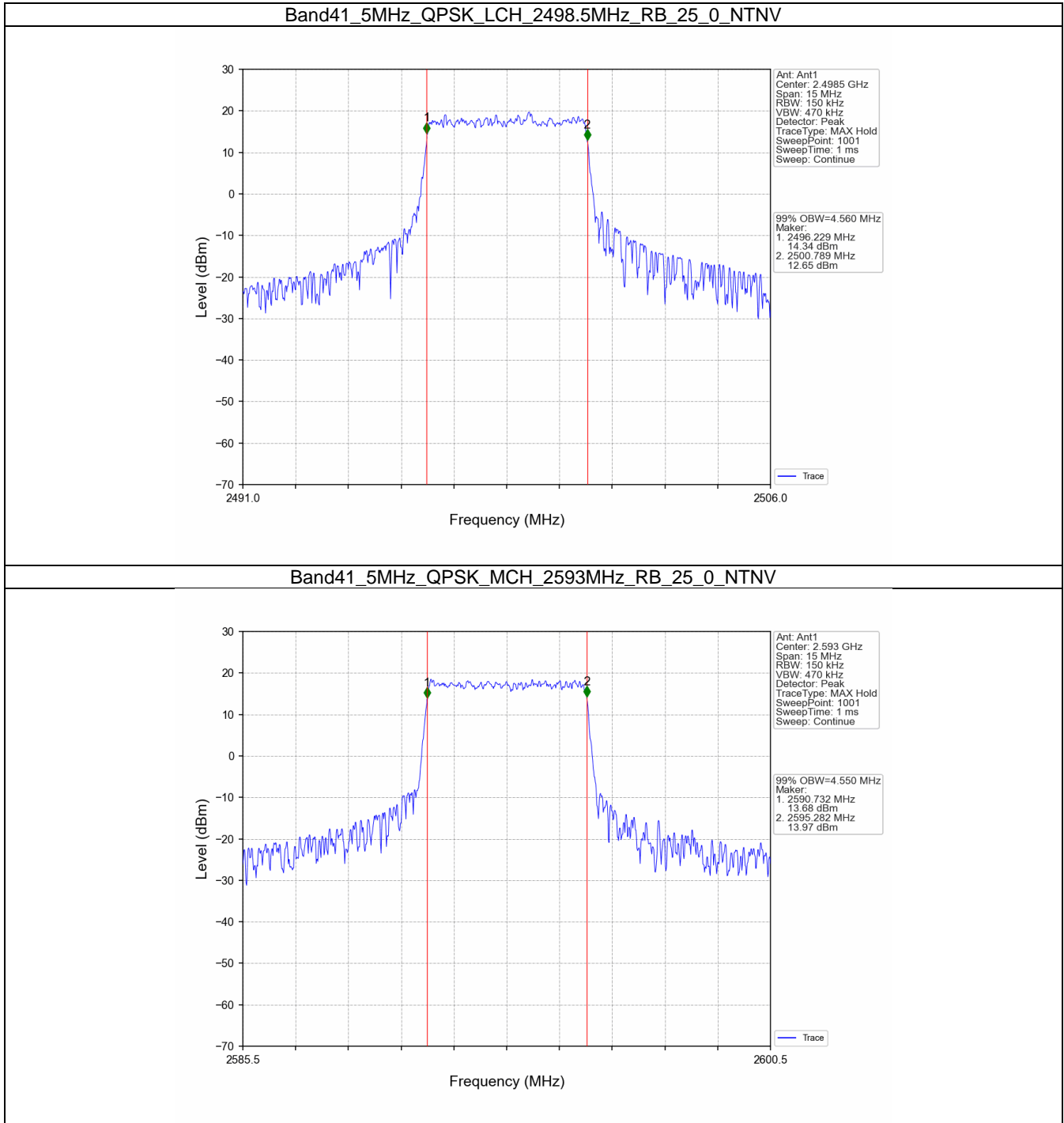
## 12. 99% & 26dB Bandwidth

### 12.1 Band41\_OBW

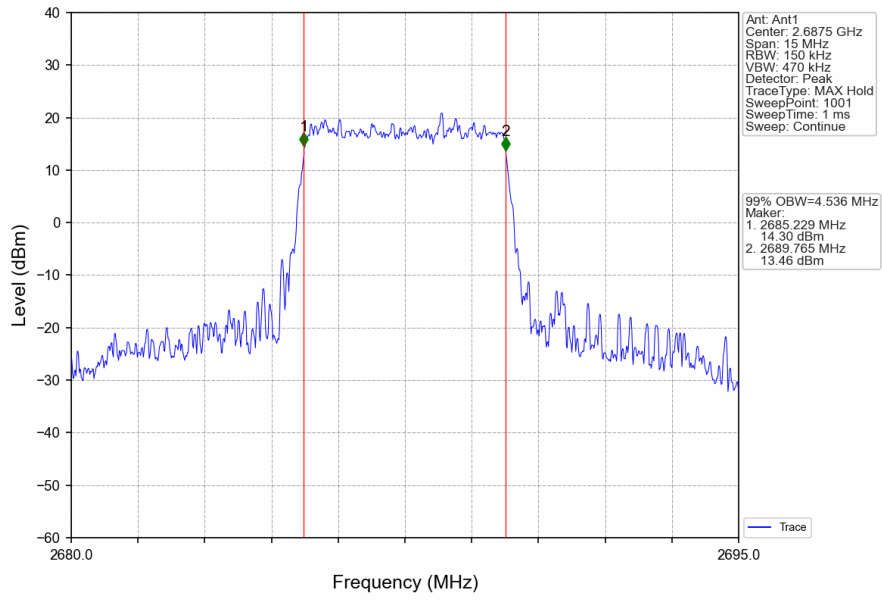
#### 12.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.560	Pass
		2593	25	0	4.550	Pass
		2687.5	25	0	4.536	Pass
	16QAM	2498.5	25	0	4.551	Pass
		2593	25	0	4.575	Pass
		2687.5	25	0	4.572	Pass
10	QPSK	2501	50	0	9.093	Pass
		2593	50	0	9.081	Pass
		2685	50	0	9.072	Pass
	16QAM	2501	50	0	9.078	Pass
		2593	50	0	9.083	Pass
		2685	50	0	9.061	Pass
15	QPSK	2503.5	75	0	13.619	Pass
		2593	75	0	13.535	Pass
		2682.5	75	0	13.570	Pass
	16QAM	2503.5	75	0	13.580	Pass
		2593	75	0	13.662	Pass
		2682.5	75	0	13.599	Pass
20	QPSK	2506	100	0	18.142	Pass
		2593	100	0	18.157	Pass
		2680	100	0	18.095	Pass
	16QAM	2506	100	0	18.090	Pass
		2593	100	0	18.152	Pass
		2680	100	0	18.086	Pass

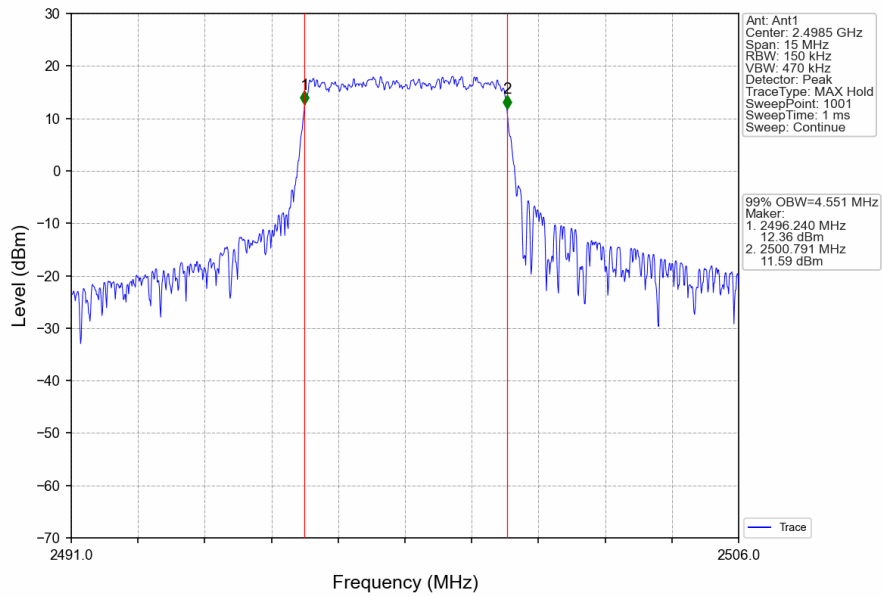
## 12.1.2 Test Graph



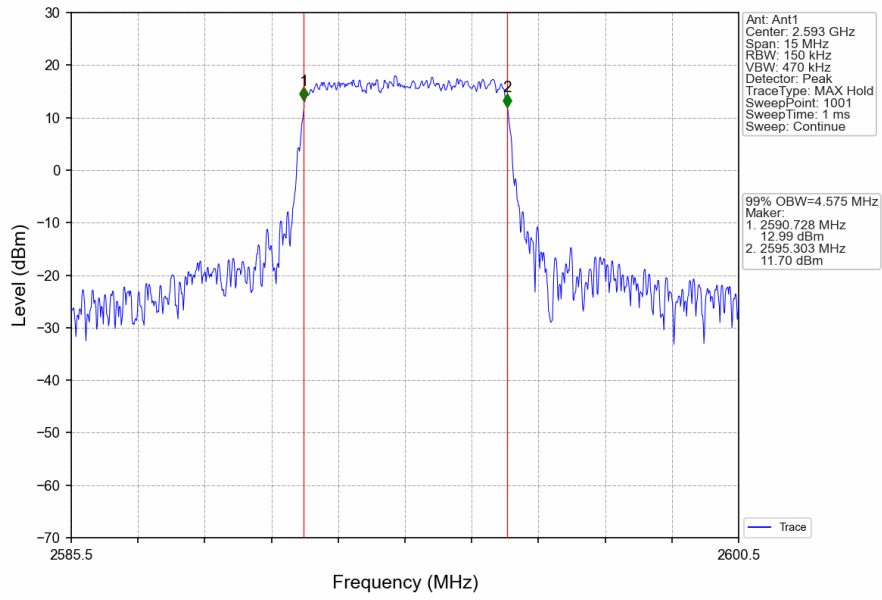
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



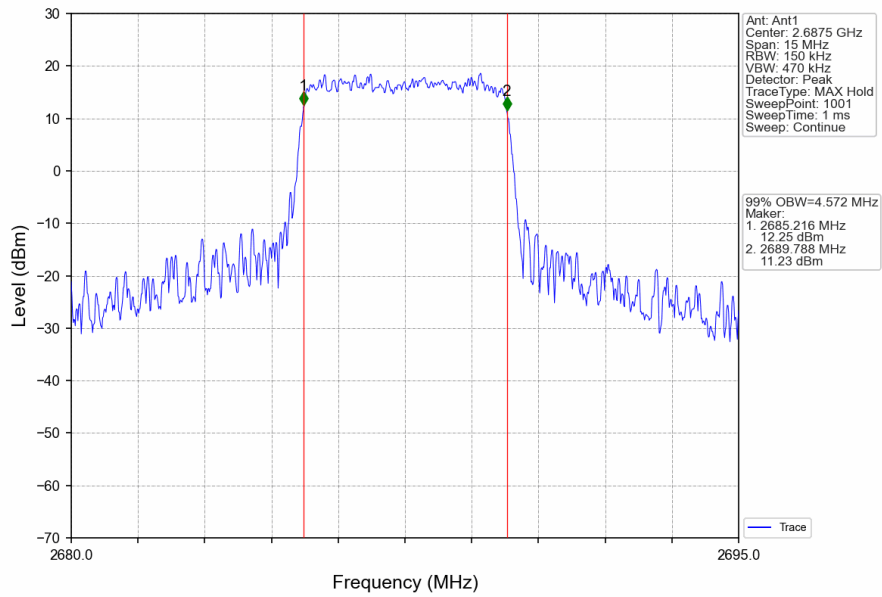
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



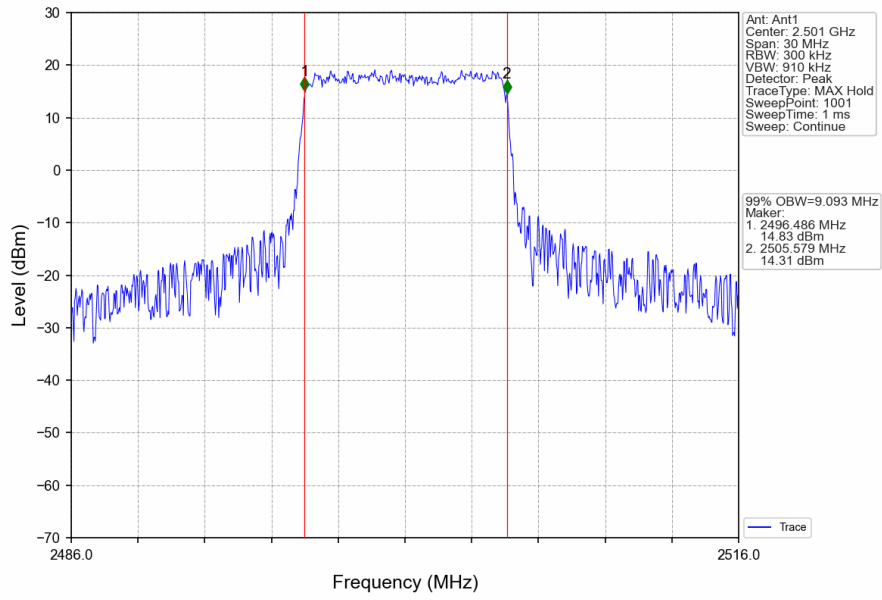
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



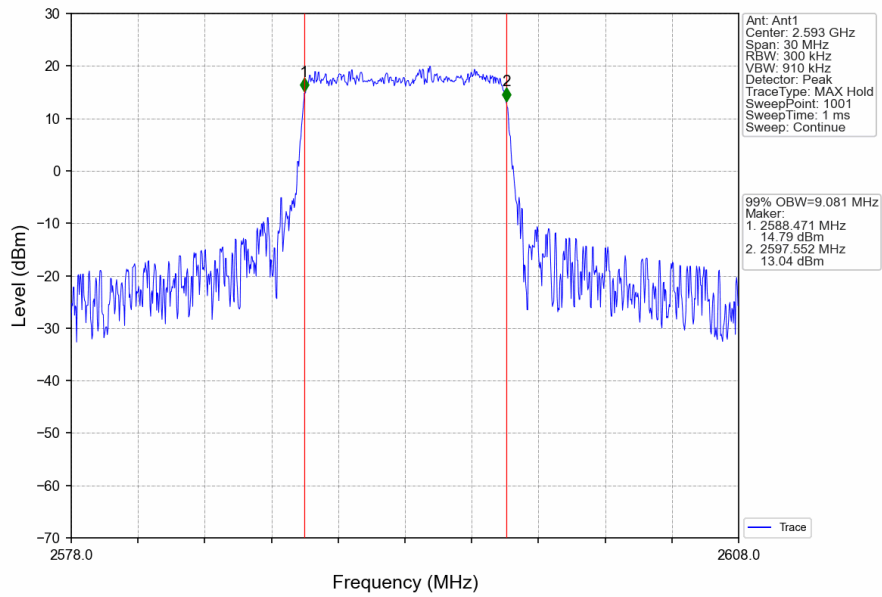
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



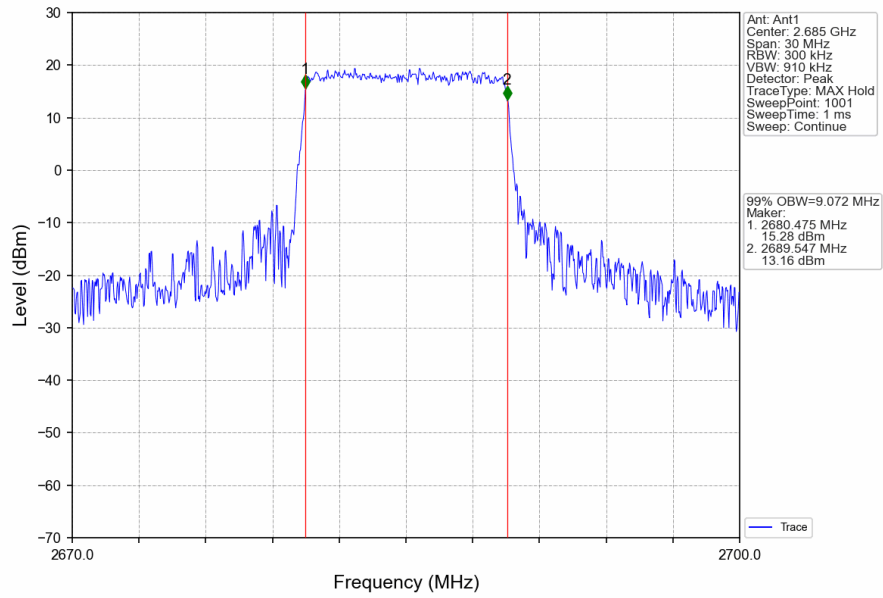
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



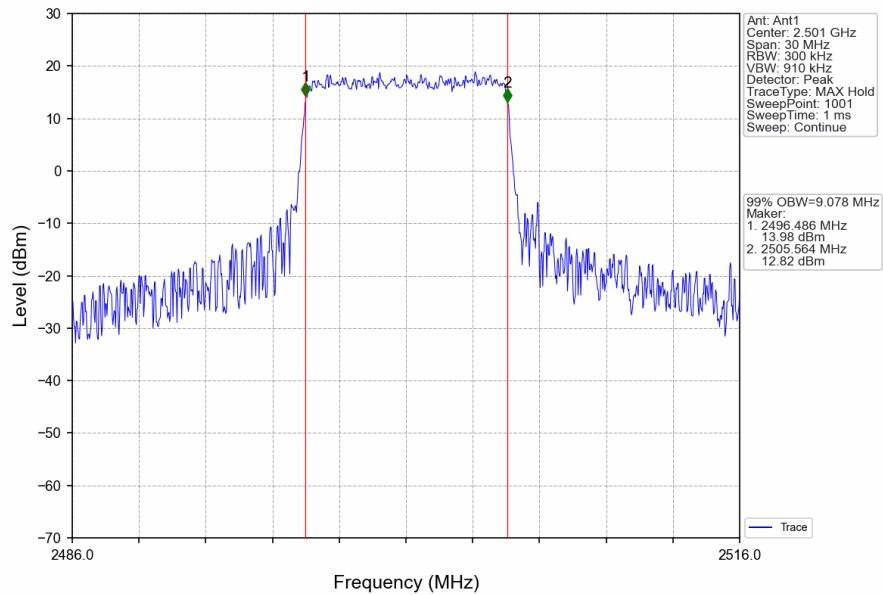
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



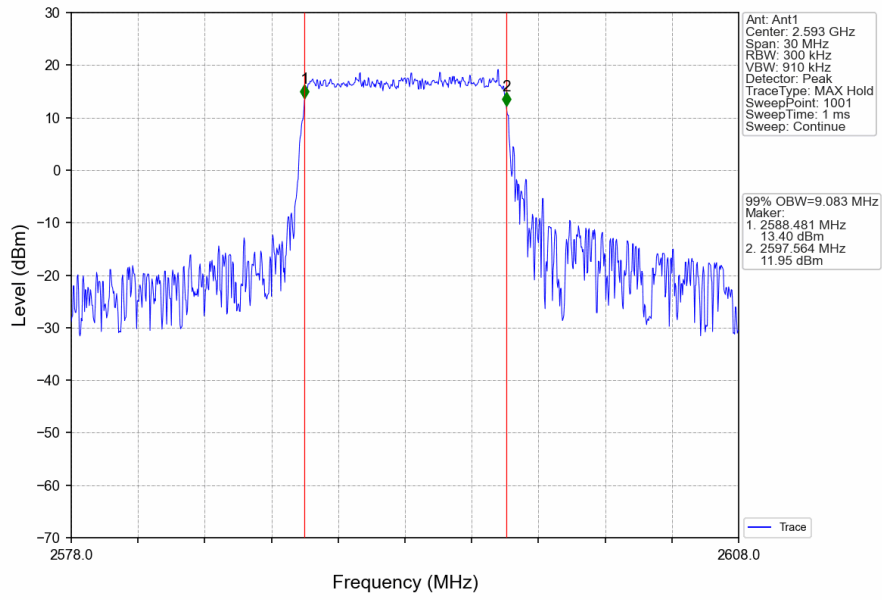
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



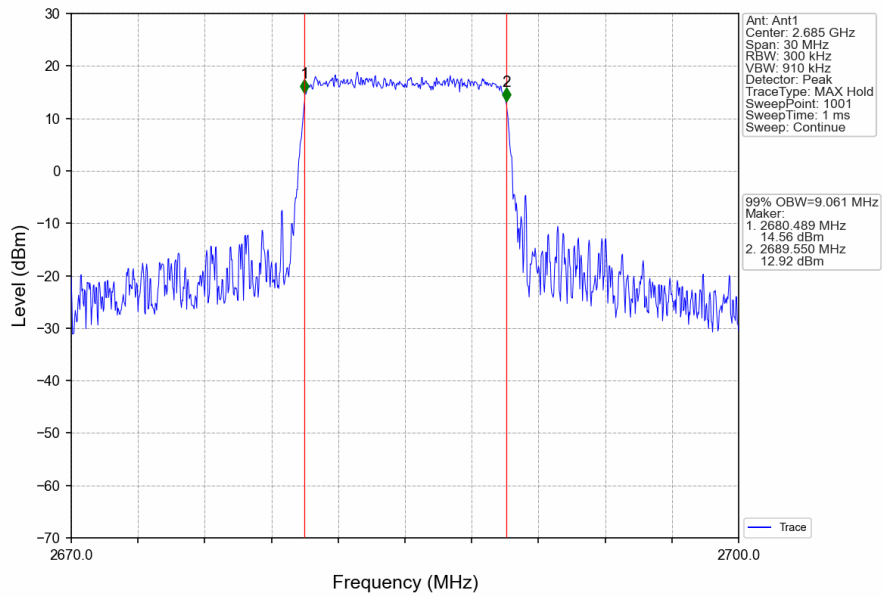
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



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

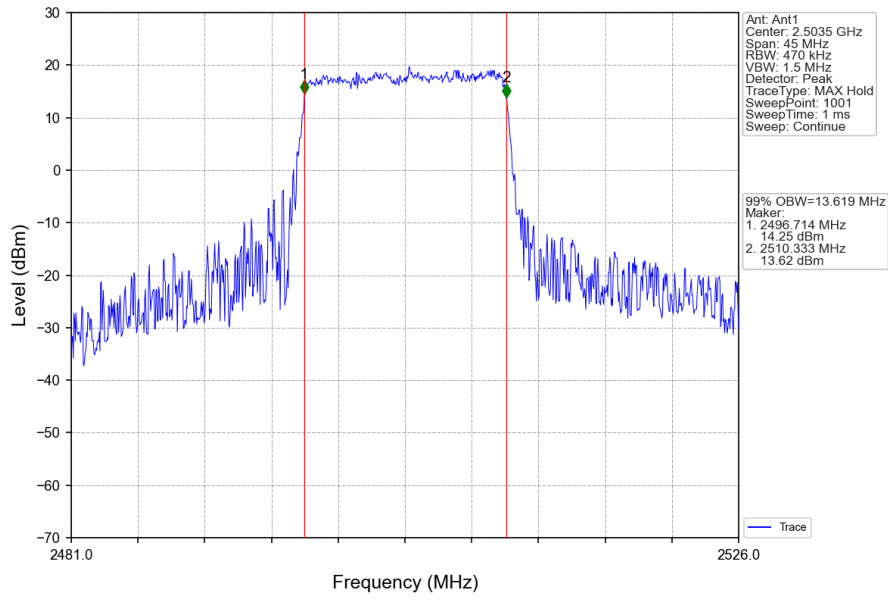


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

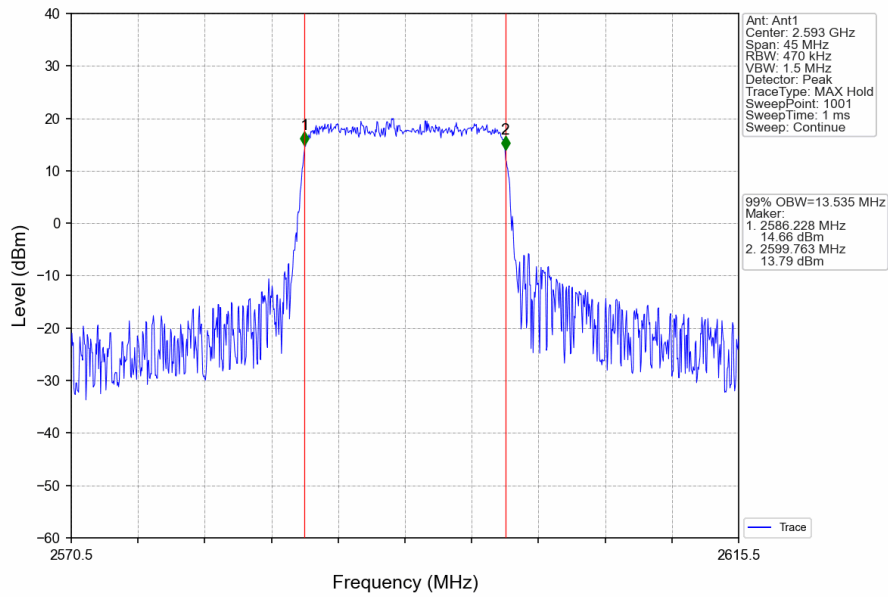




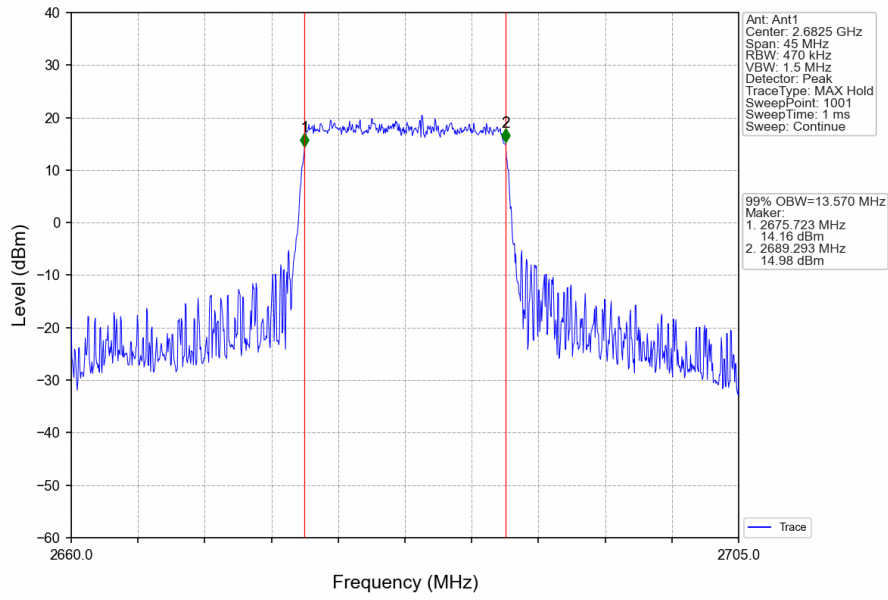
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



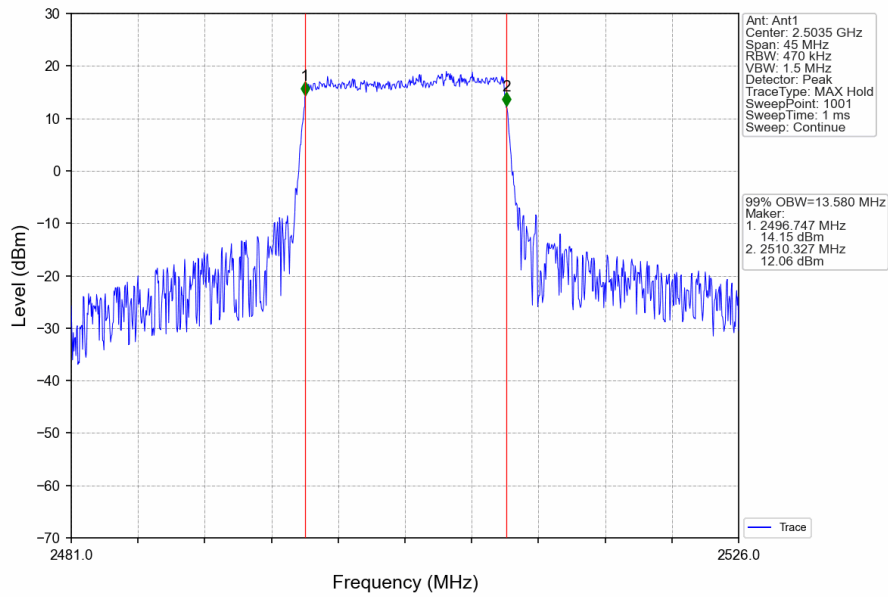
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



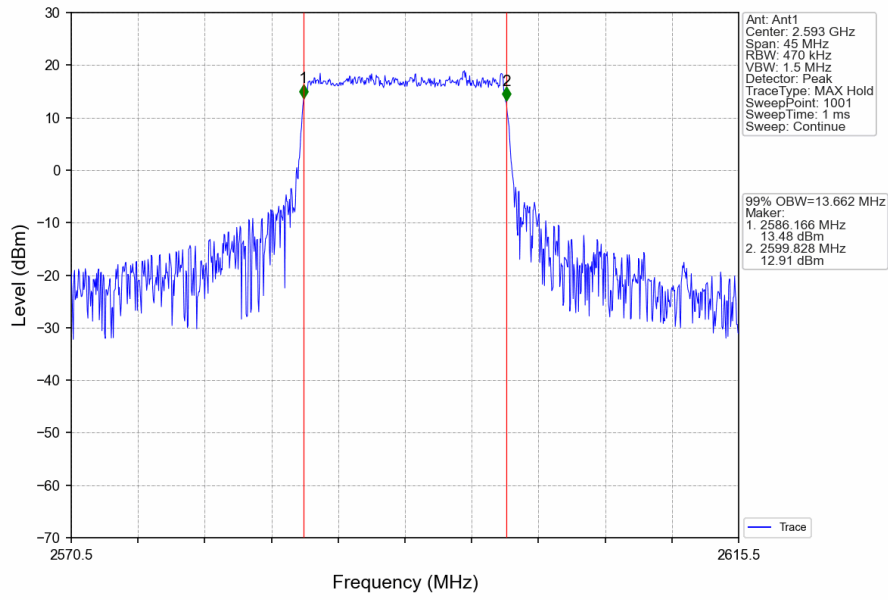
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



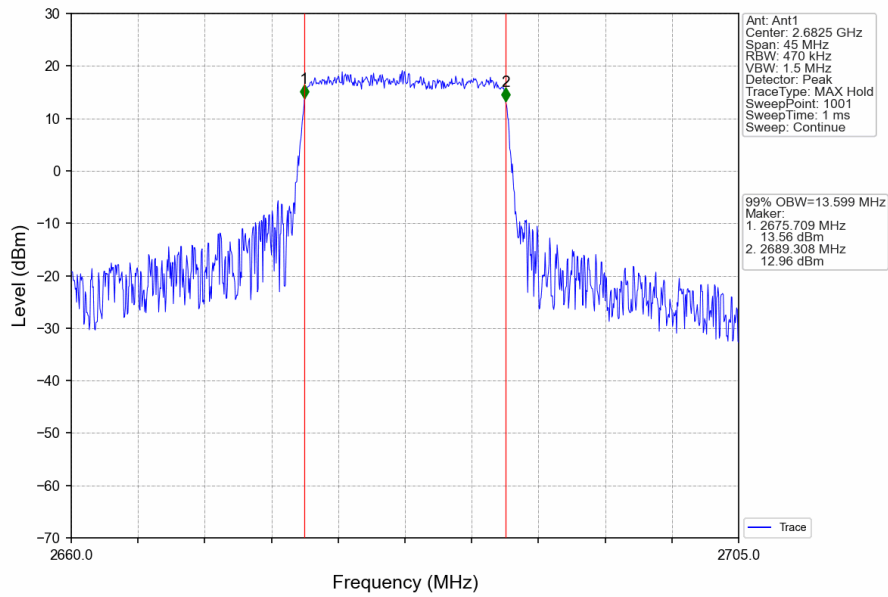
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



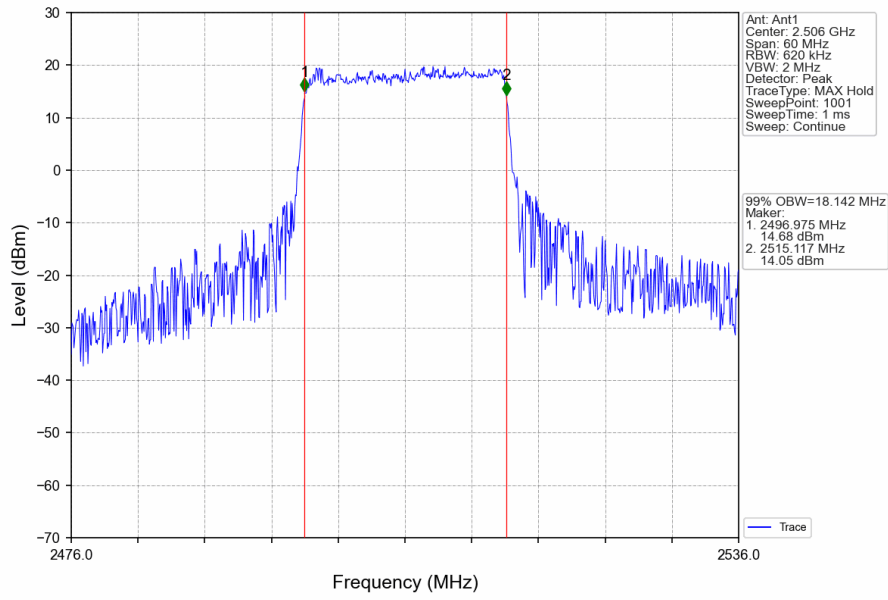
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



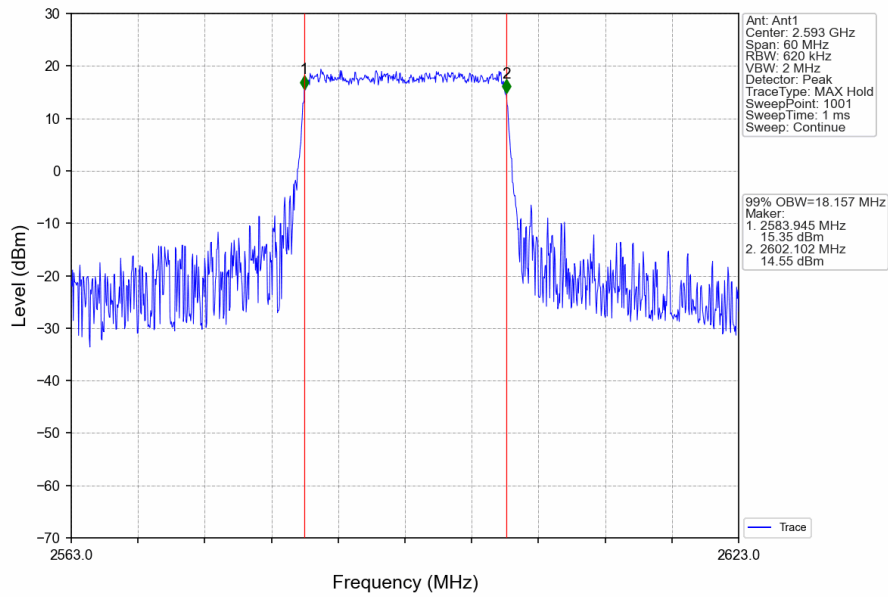
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



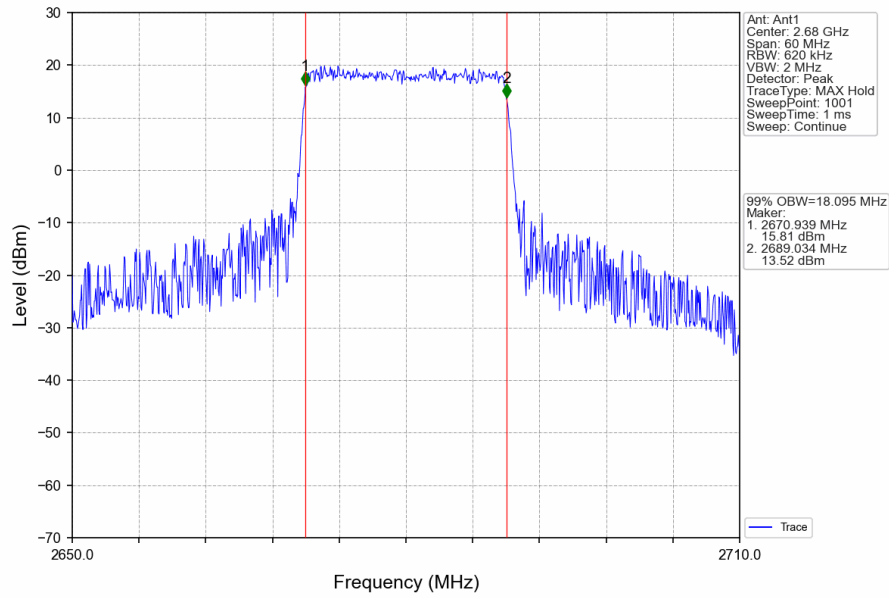
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



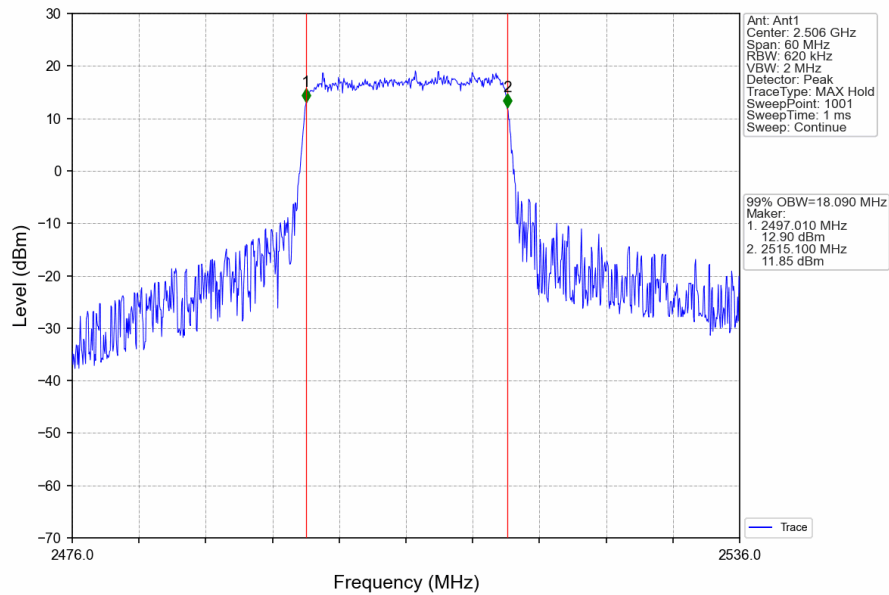
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



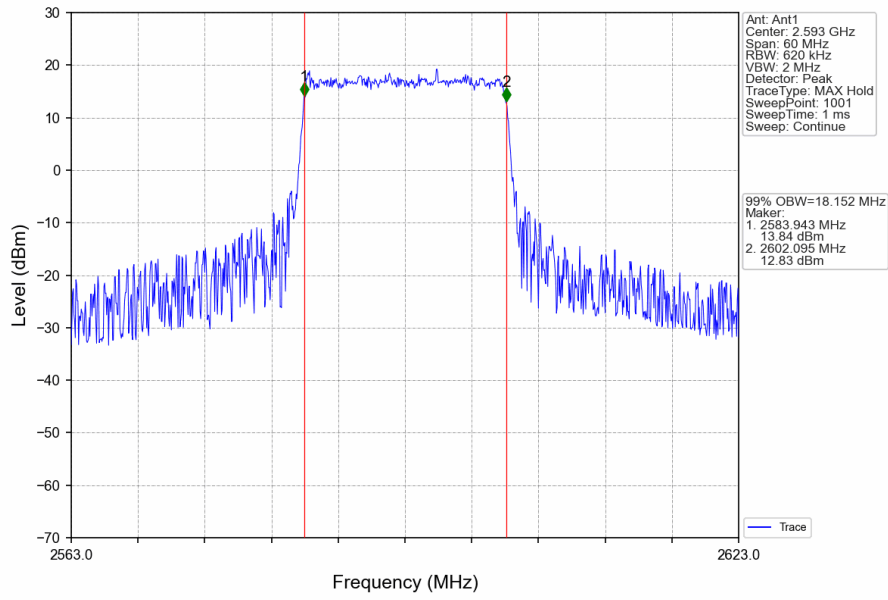
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



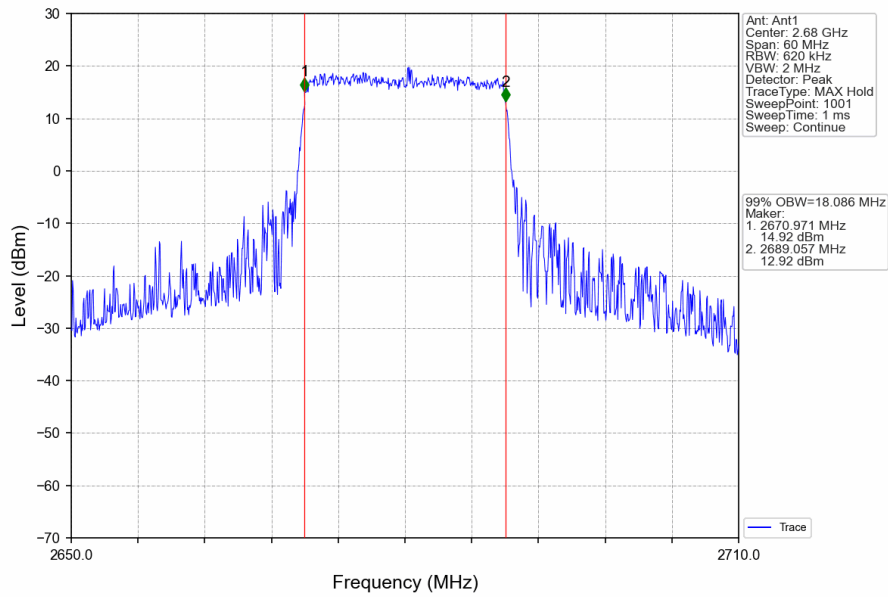
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



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



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

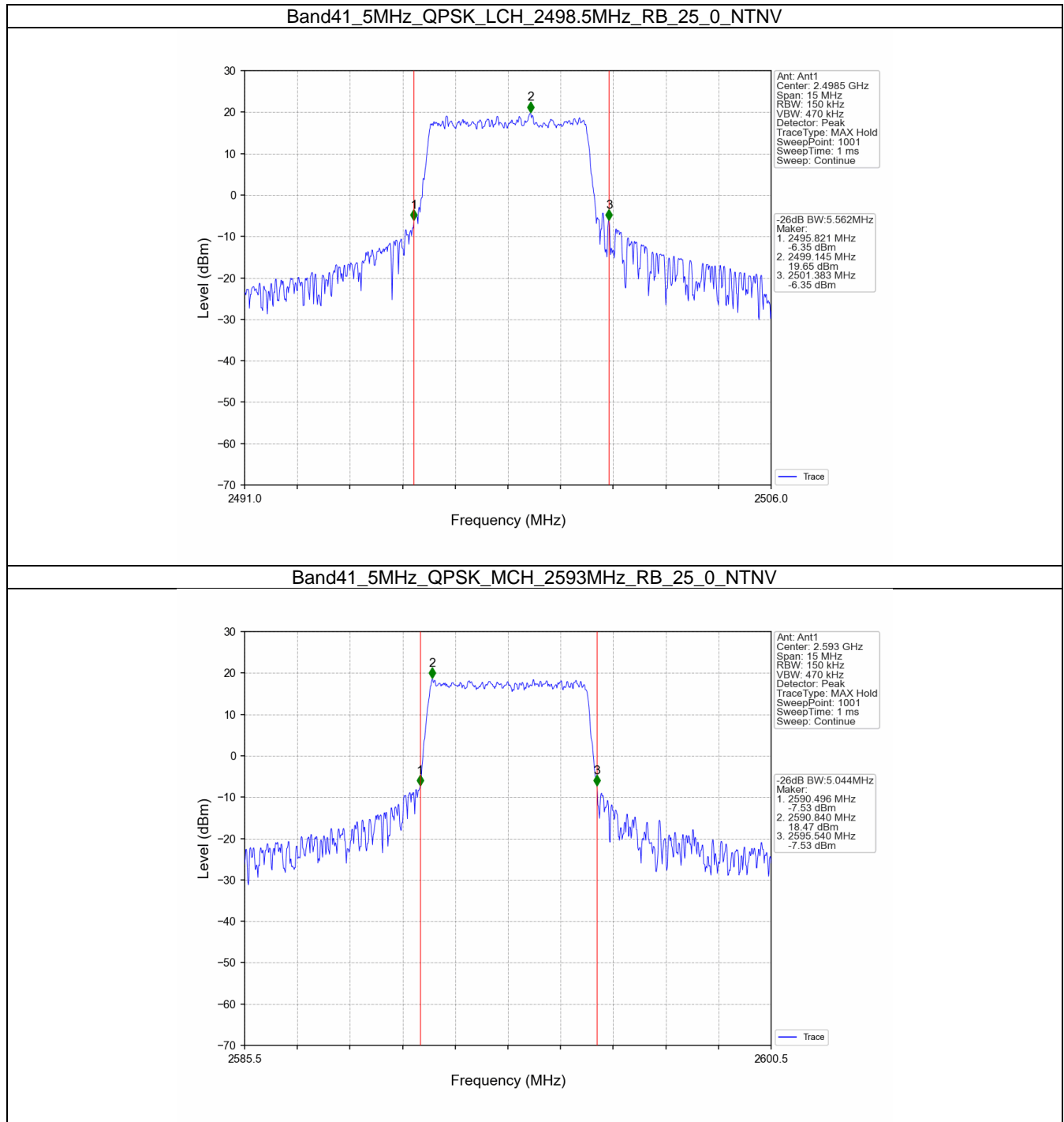


## 12.2 Band41\_XDB

### 12.2.1 Test Result

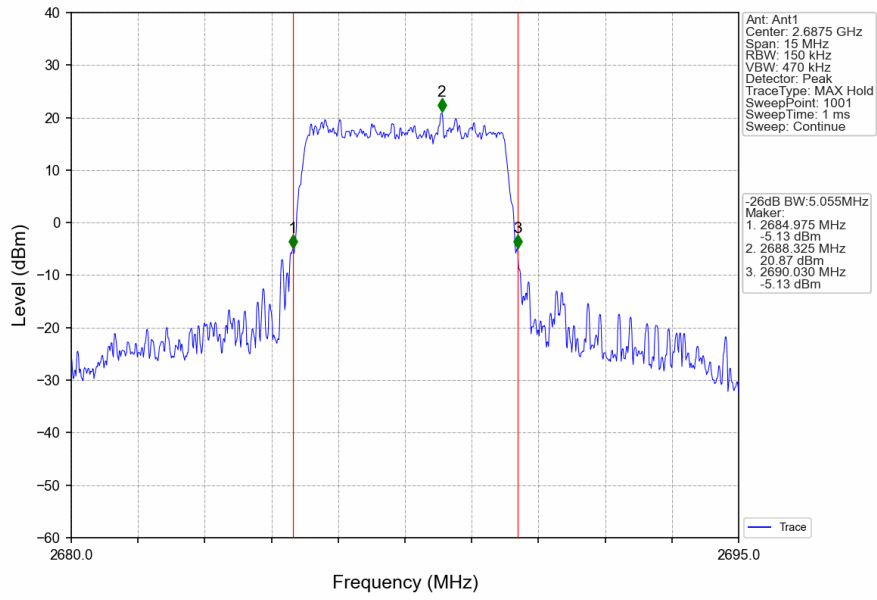
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.562	Pass
		2593	25	0	5.044	Pass
		2687.5	25	0	5.055	Pass
	16QAM	2498.5	25	0	5.608	Pass
		2593	25	0	5.297	Pass
		2687.5	25	0	5.125	Pass
10	QPSK	2501	50	0	10.022	Pass
		2593	50	0	10.744	Pass
		2685	50	0	10.142	Pass
	16QAM	2501	50	0	11.118	Pass
		2593	50	0	11.169	Pass
		2685	50	0	10.412	Pass
15	QPSK	2503.5	75	0	16.321	Pass
		2593	75	0	15.900	Pass
		2682.5	75	0	15.735	Pass
	16QAM	2503.5	75	0	14.988	Pass
		2593	75	0	17.294	Pass
		2682.5	75	0	16.014	Pass
20	QPSK	2506	100	0	22.513	Pass
		2593	100	0	22.194	Pass
		2680	100	0	21.021	Pass
	16QAM	2506	100	0	21.862	Pass
		2593	100	0	20.630	Pass
		2680	100	0	23.207	Pass

## 12.2.2 Test Graph

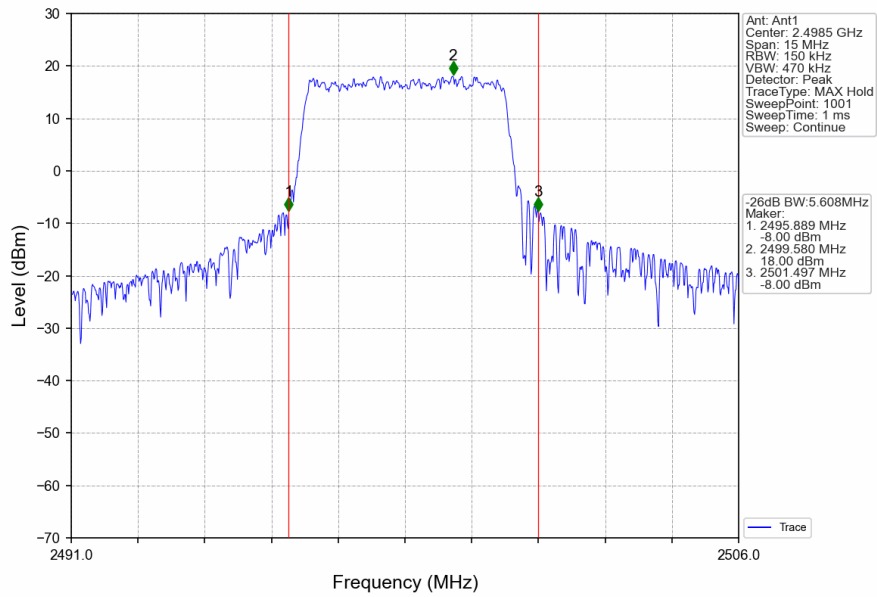




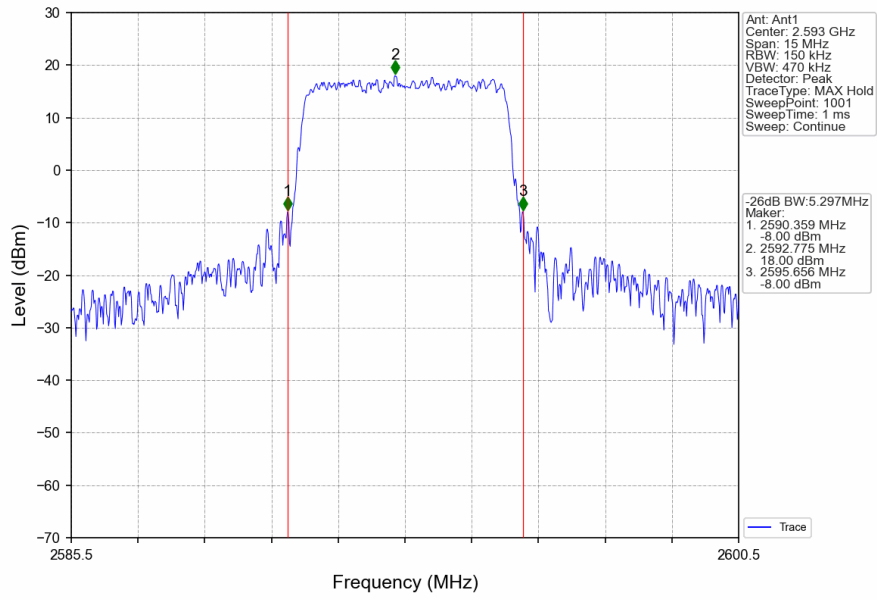
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



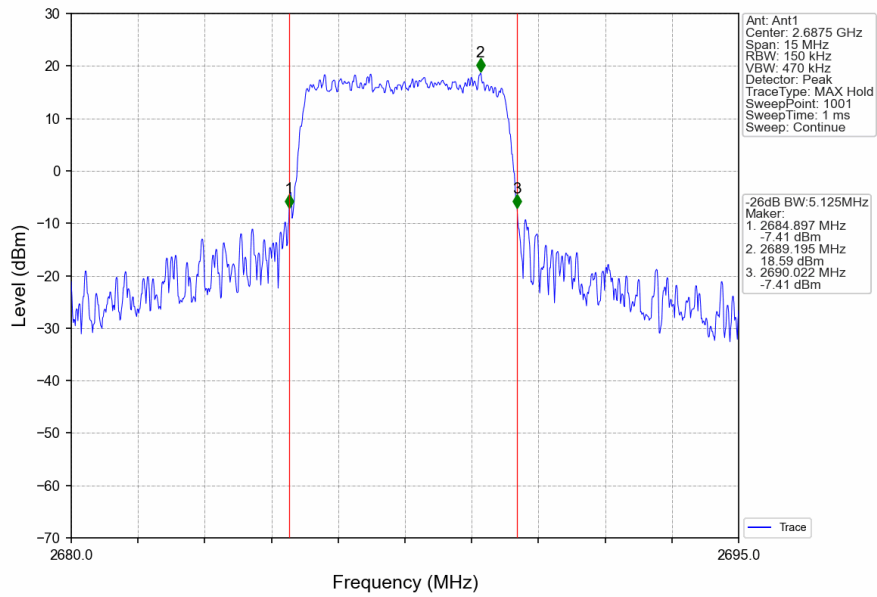
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



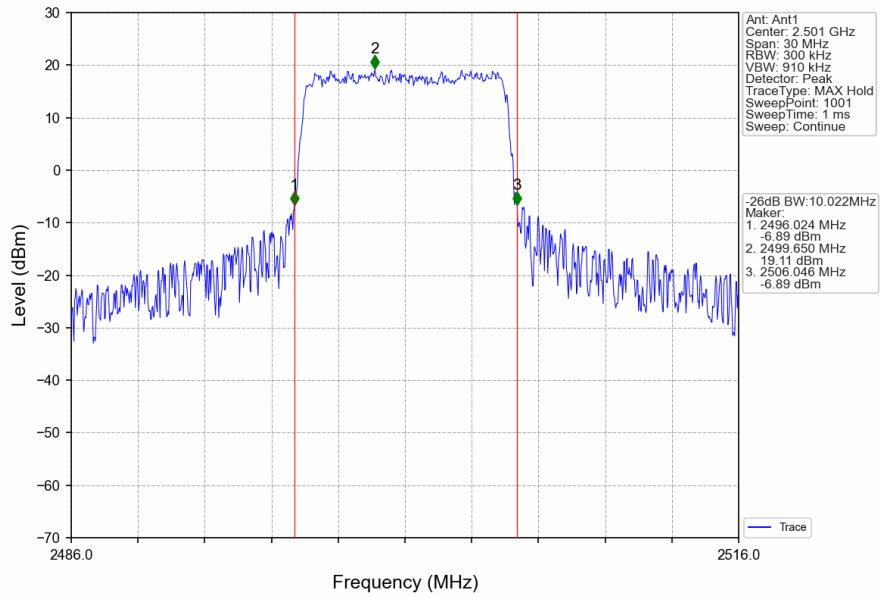
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



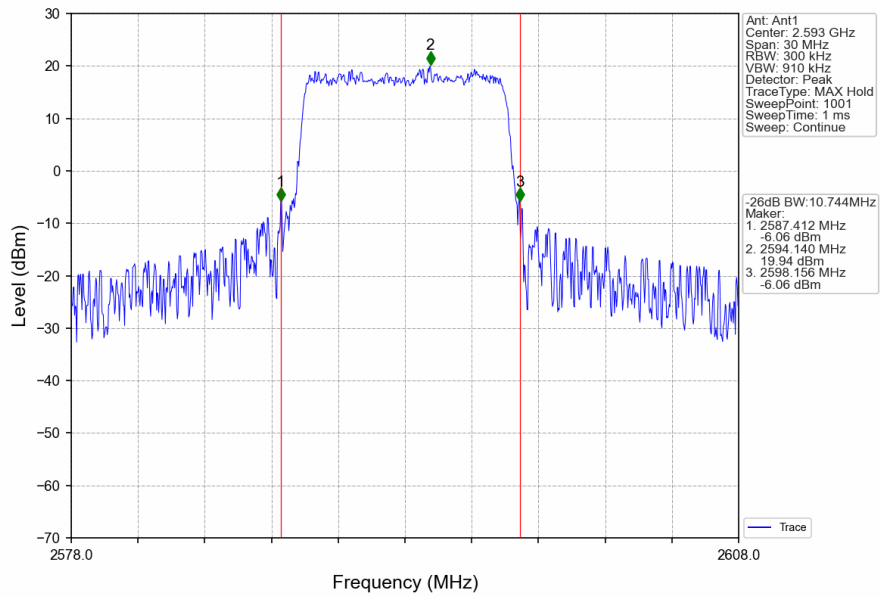
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



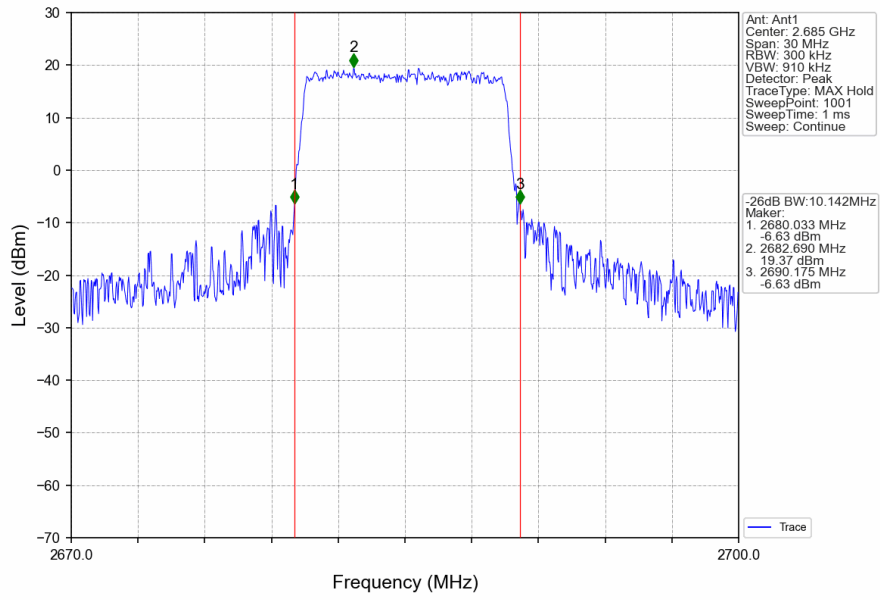
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



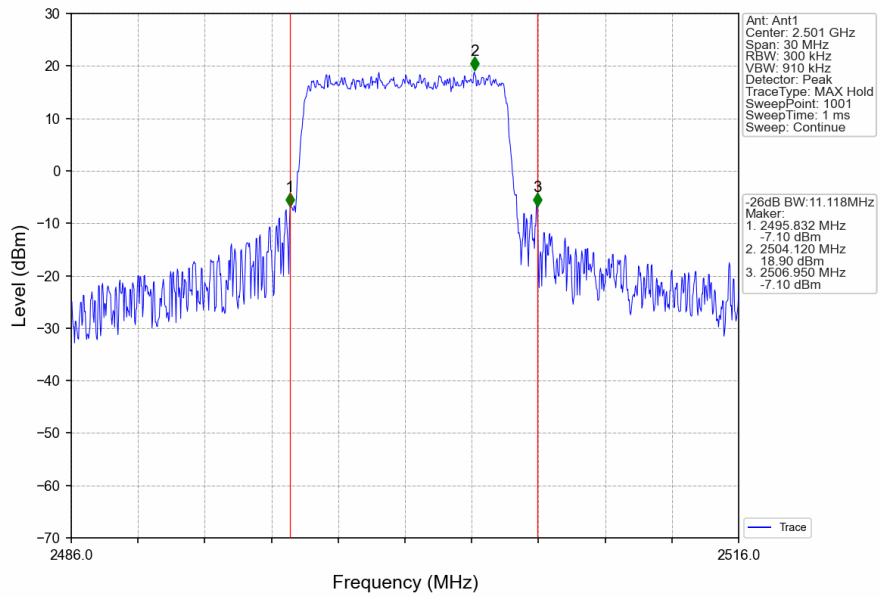
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



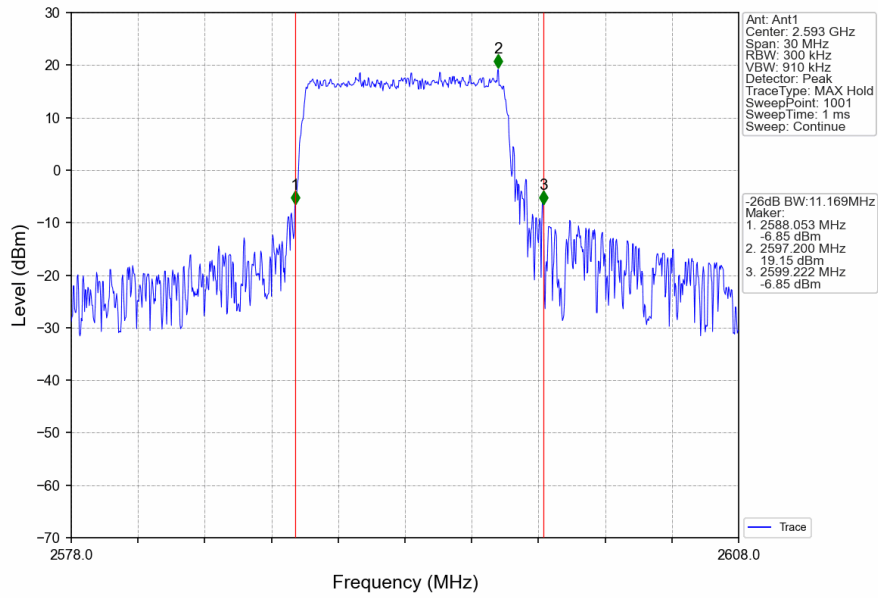
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



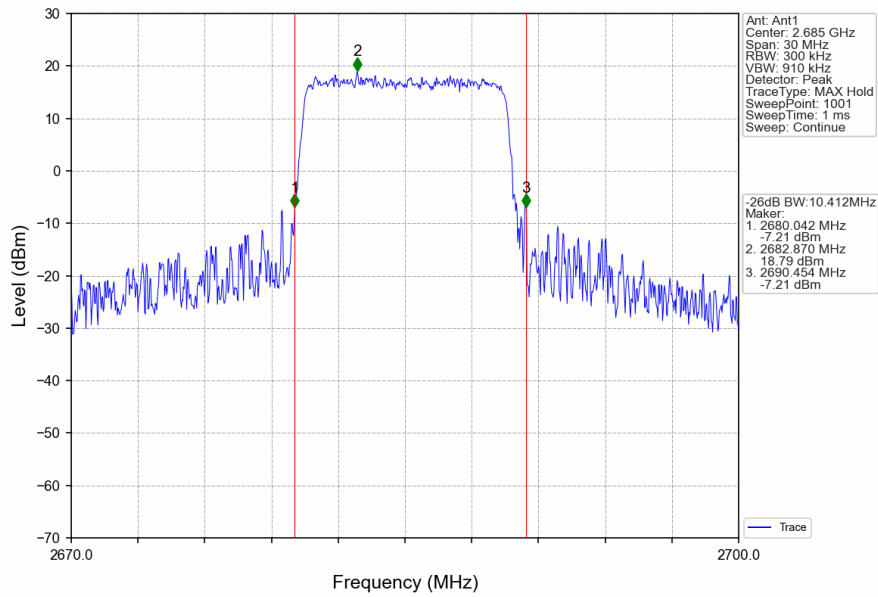
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



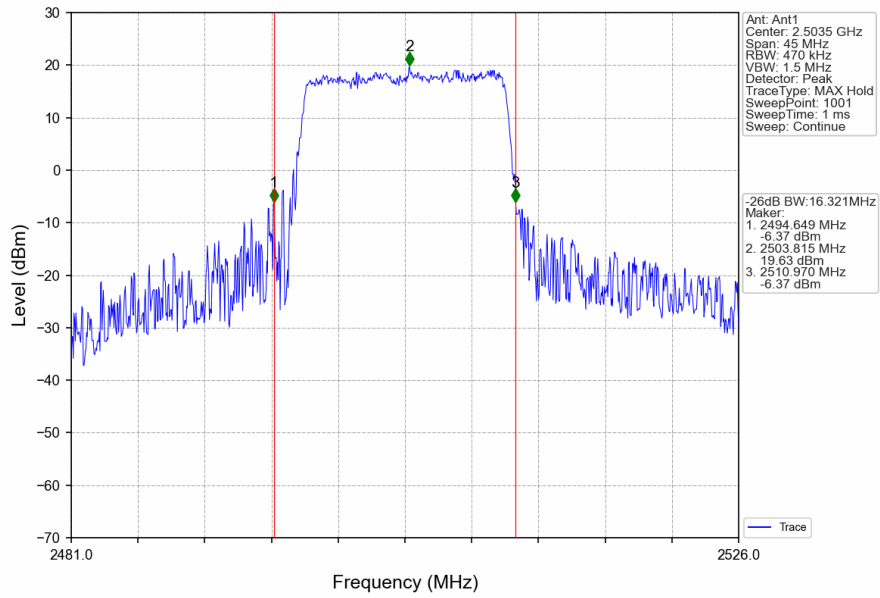
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



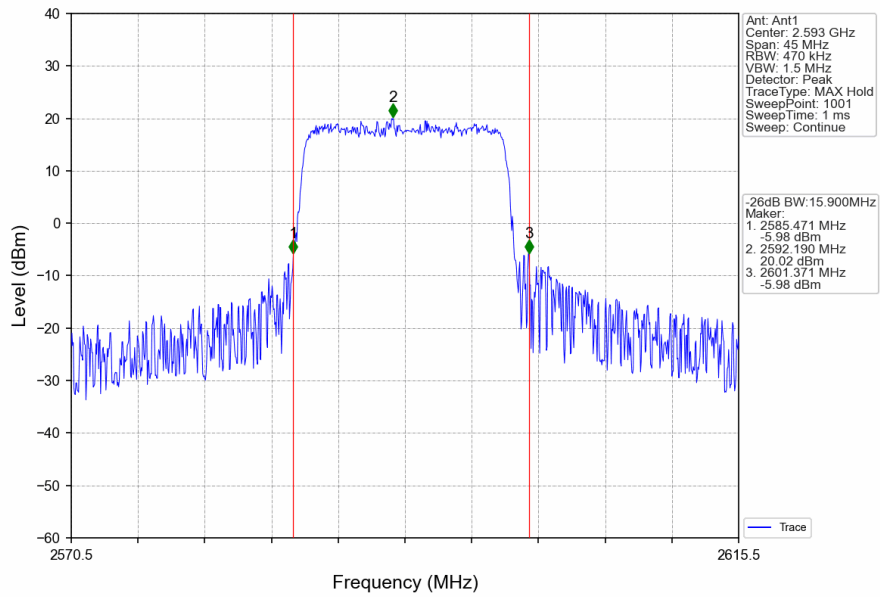
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



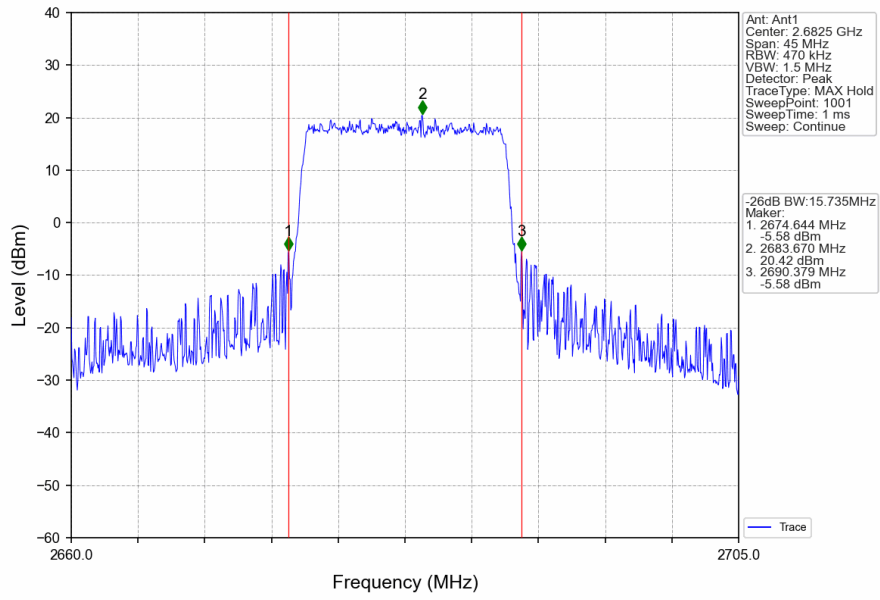
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



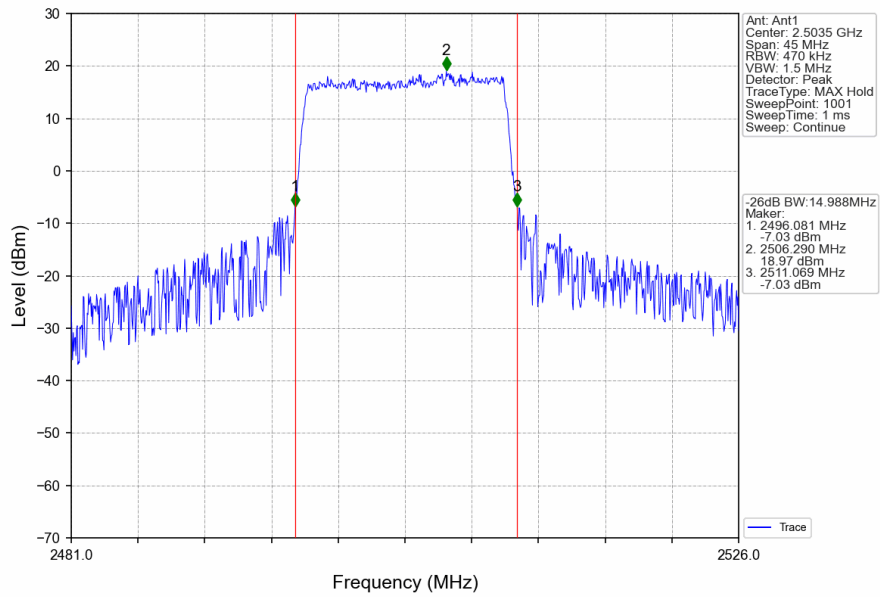
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



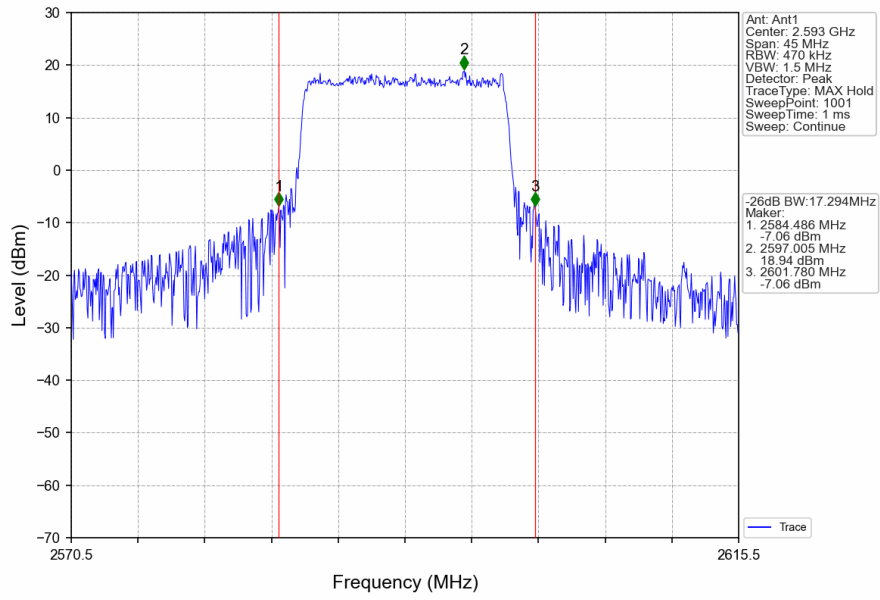
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



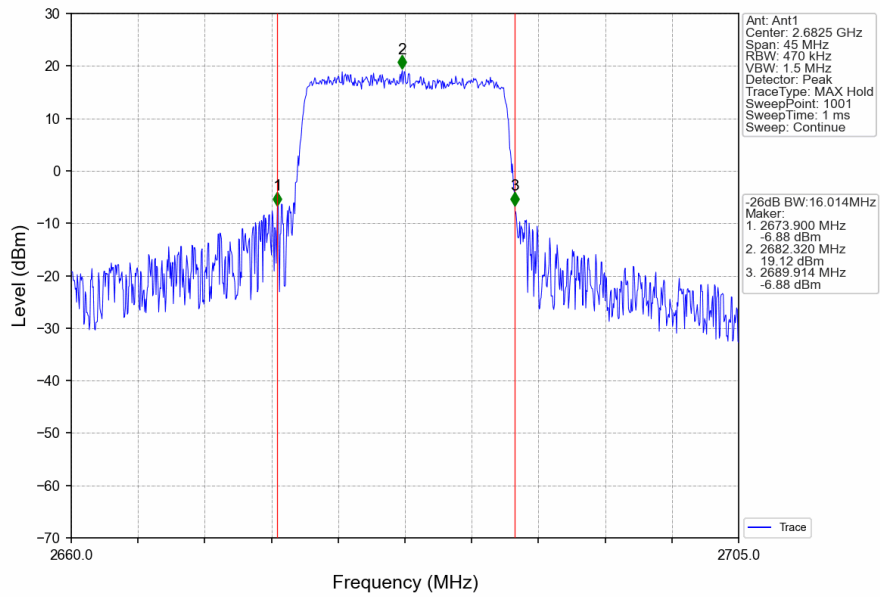
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Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV

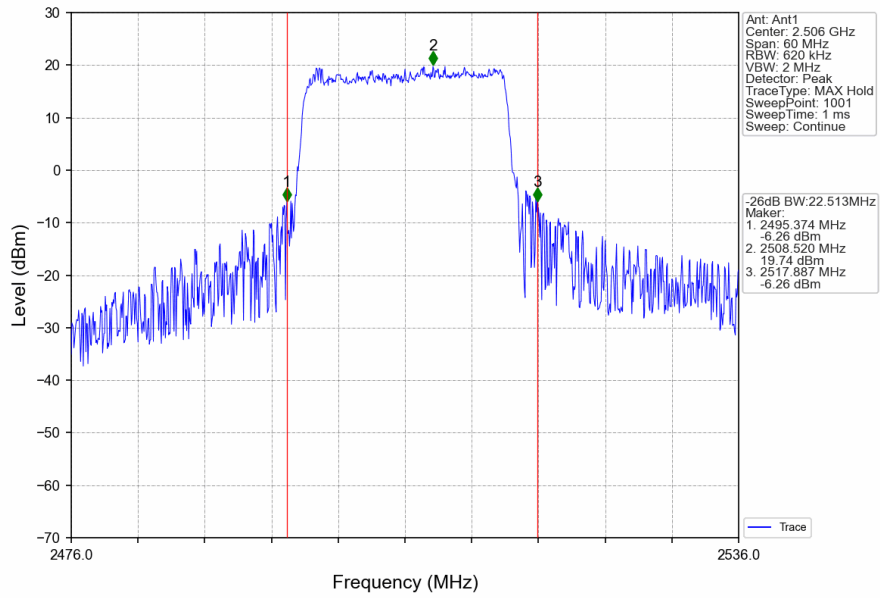


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

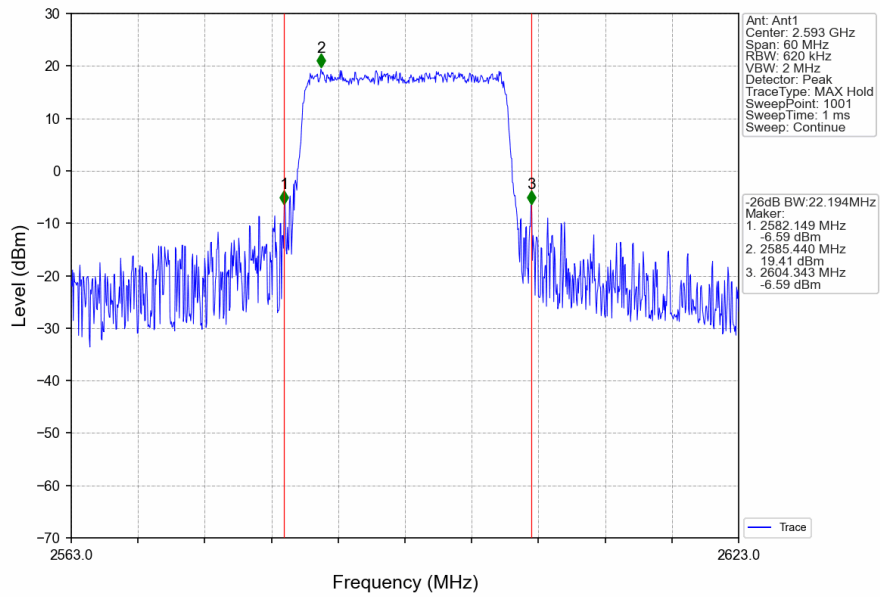




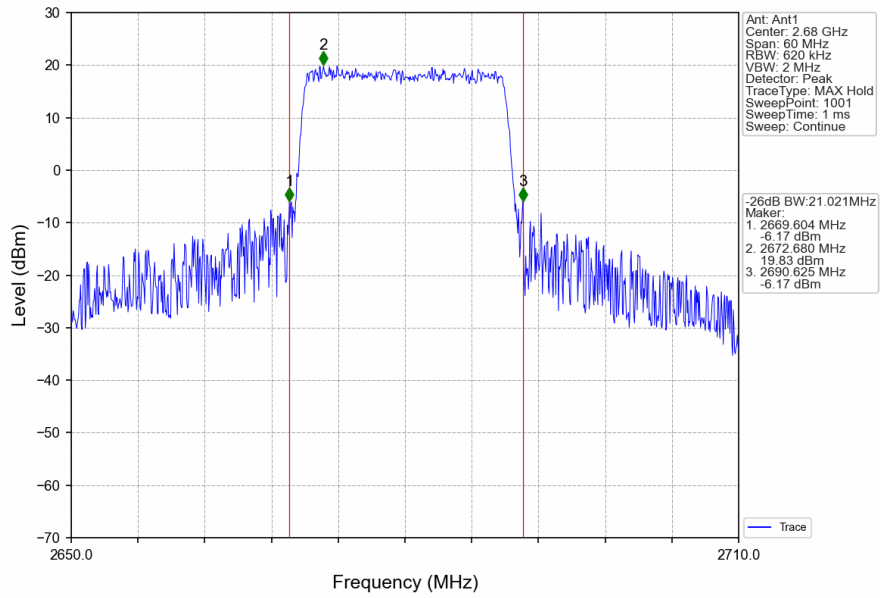
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



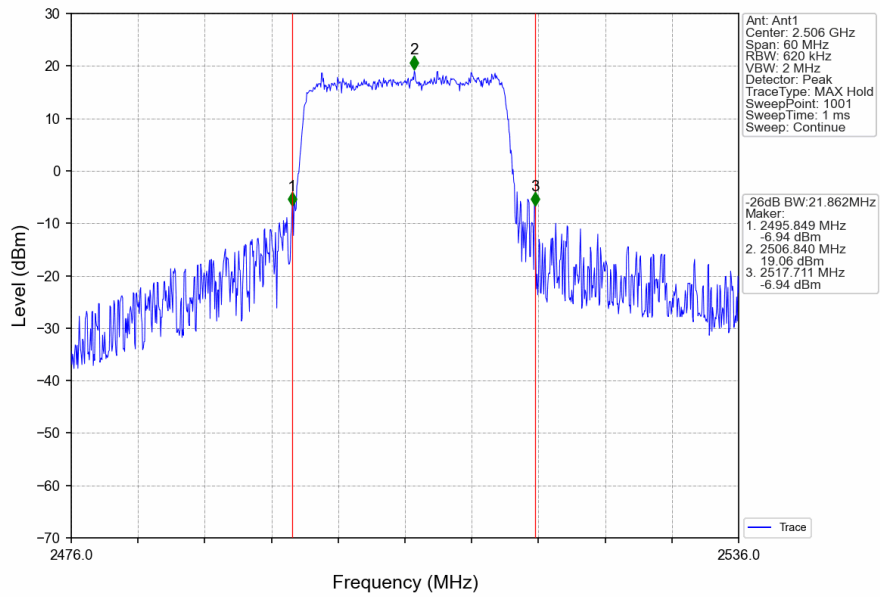
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



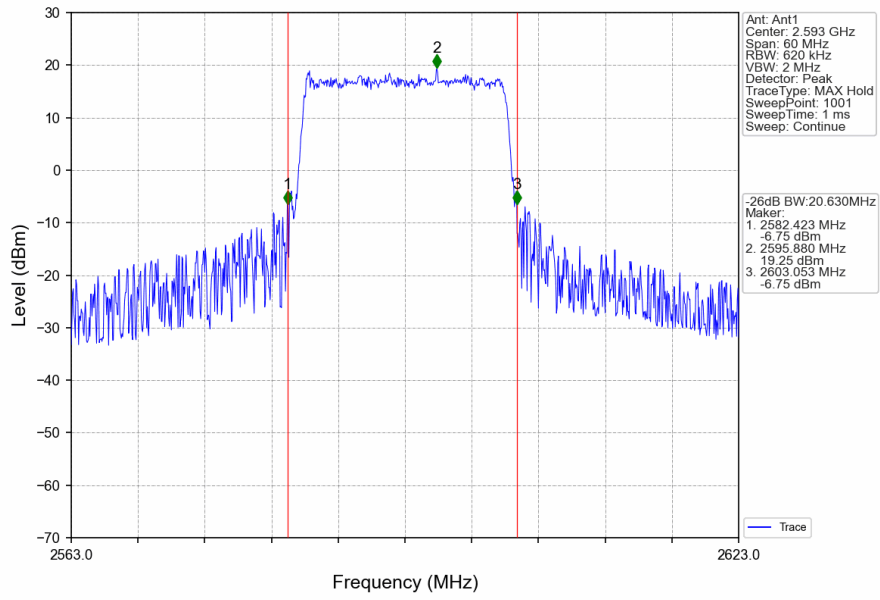
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



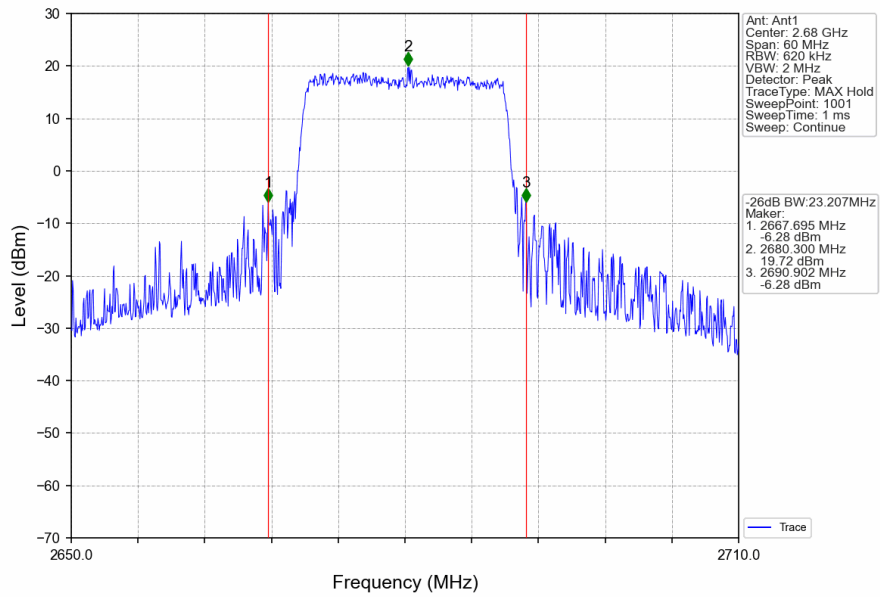
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



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



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



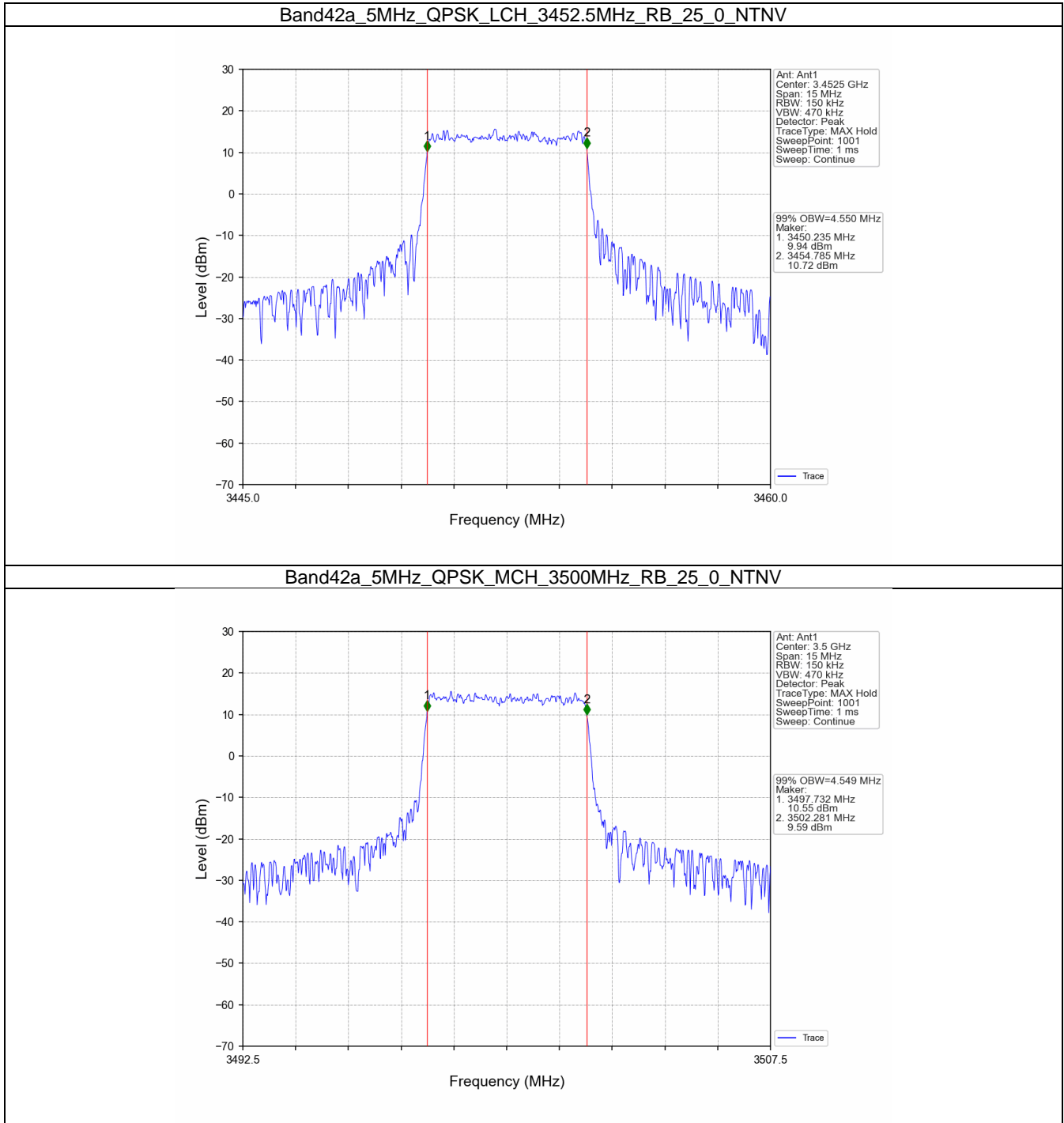
## 13. 99% & 26dB Bandwidth

### 13.1 Band42a\_OBW

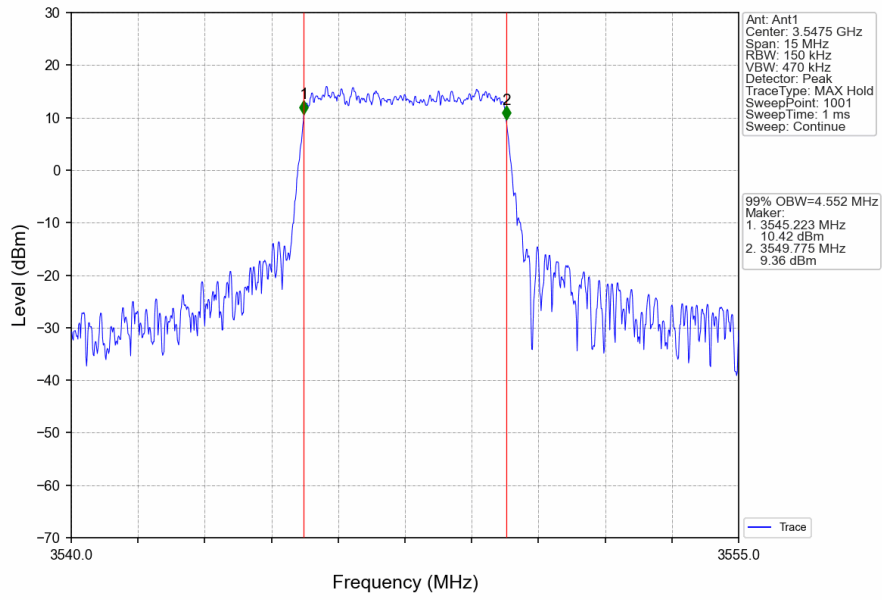
#### 13.1.1 Test Result

Band: 42a / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	3452.5	25	0	4.550	Pass
		3500	25	0	4.549	Pass
		3547.5	25	0	4.552	Pass
	16QAM	3452.5	25	0	4.548	Pass
		3500	25	0	4.585	Pass
		3547.5	25	0	4.546	Pass
10	QPSK	3455	50	0	9.061	Pass
		3500	50	0	9.085	Pass
		3545	50	0	9.060	Pass
	16QAM	3455	50	0	9.068	Pass
		3500	50	0	9.105	Pass
		3545	50	0	9.051	Pass
15	QPSK	3457.5	75	0	13.612	Pass
		3500	75	0	13.572	Pass
		3542.5	75	0	13.578	Pass
	16QAM	3457.5	75	0	13.629	Pass
		3500	75	0	13.625	Pass
		3542.5	75	0	13.592	Pass
20	QPSK	3460	100	0	18.149	Pass
		3500	100	0	18.110	Pass
		3540	100	0	18.065	Pass
	16QAM	3460	100	0	18.102	Pass
		3500	100	0	18.139	Pass
		3540	100	0	18.100	Pass

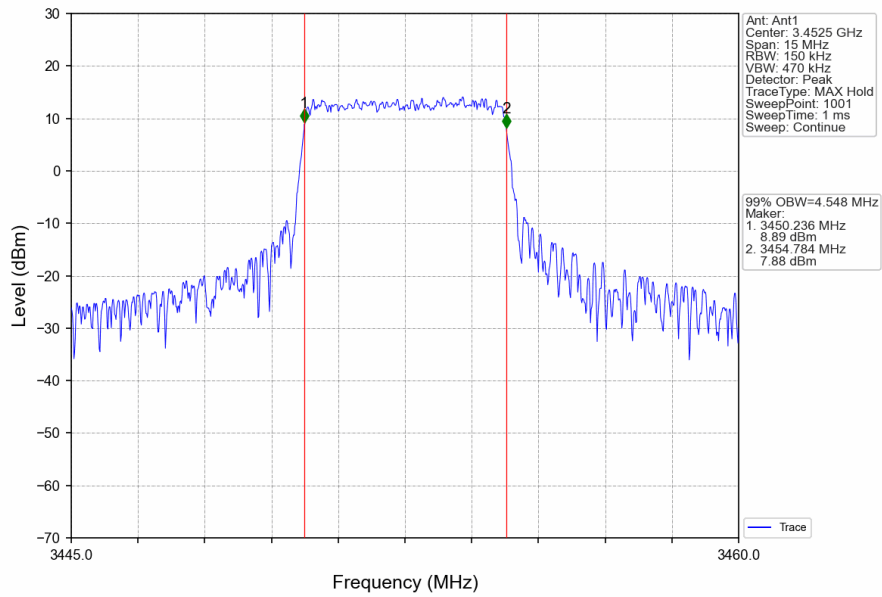
### 13.1.2 Test Graph



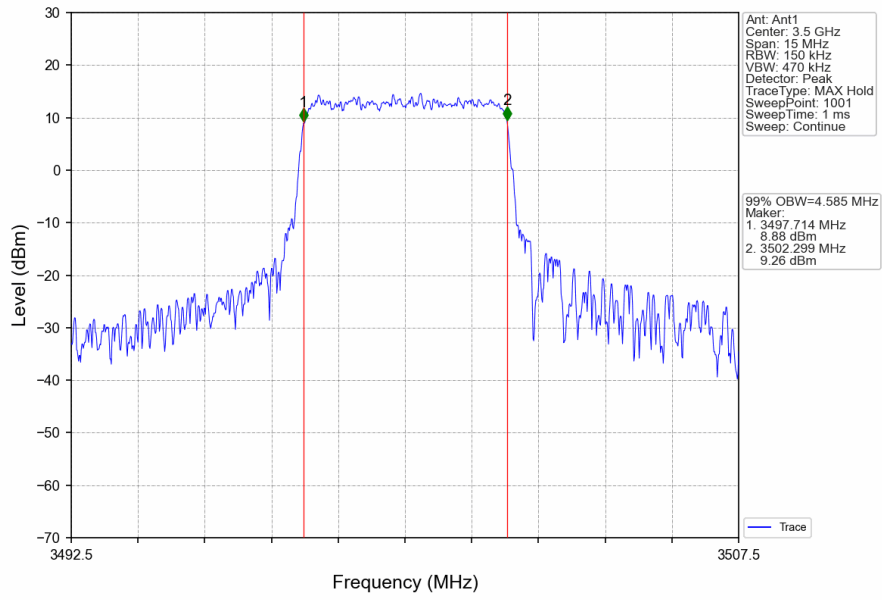
Band42a\_5MHz\_QPSK\_HCH\_3547.5MHz\_RB\_25\_0\_NTNV



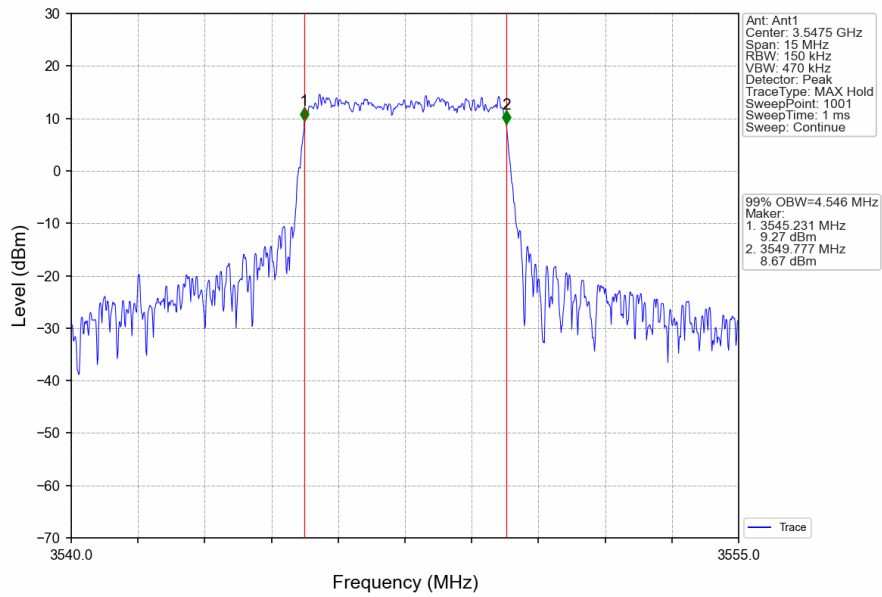
Band42a\_5MHz\_16QAM\_LCH\_3452.5MHz\_RB\_25\_0\_NTNV



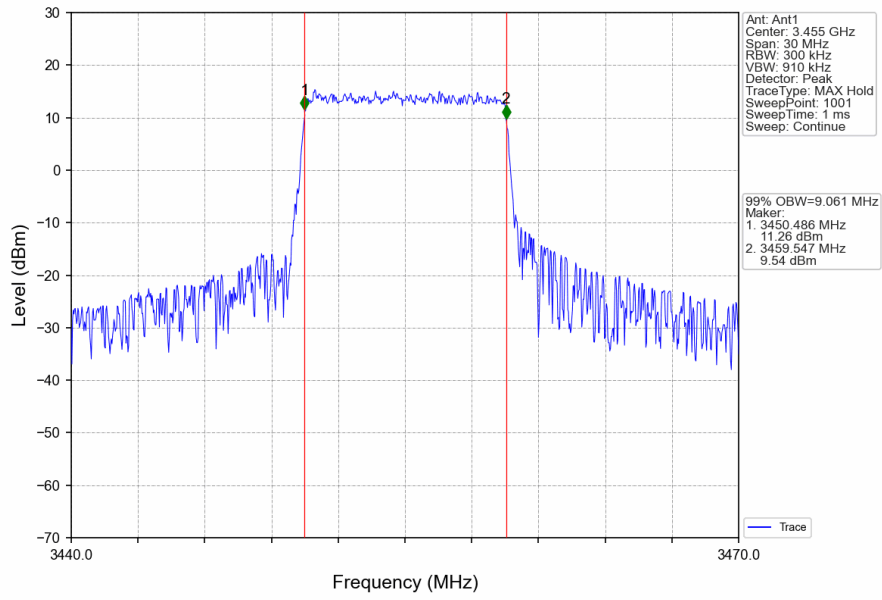
Band42a\_5MHz\_16QAM\_MCH\_3500MHz\_RB\_25\_0\_NTNV



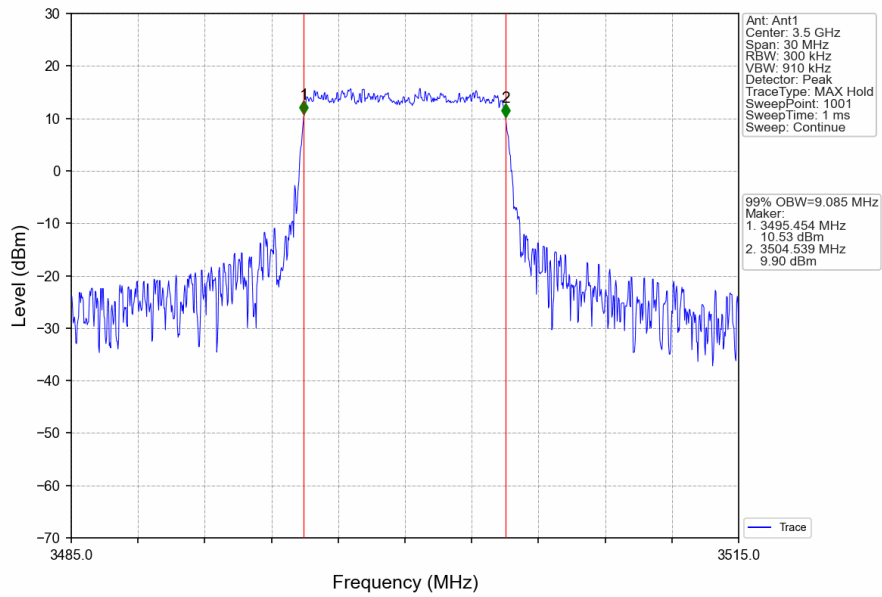
Band42a\_5MHz\_16QAM\_HCH\_3547.5MHz\_RB\_25\_0\_NTNV



Band42a\_10MHz\_QPSK\_LCH\_3455MHz\_RB\_50\_0\_NTNV

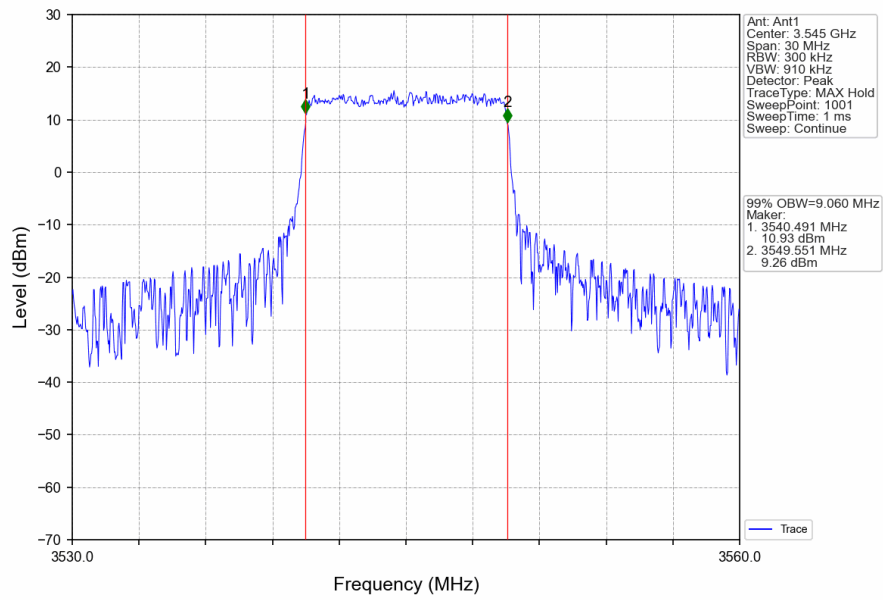


Band42a\_10MHz\_QPSK\_MCH\_3500MHz\_RB\_50\_0\_NTNV





Band42a\_10MHz\_QPSK\_HCH\_3545MHz\_RB\_50\_0\_NTNV



Band42a\_10MHz\_16QAM\_LCH\_3455MHz\_RB\_50\_0\_NTNV

