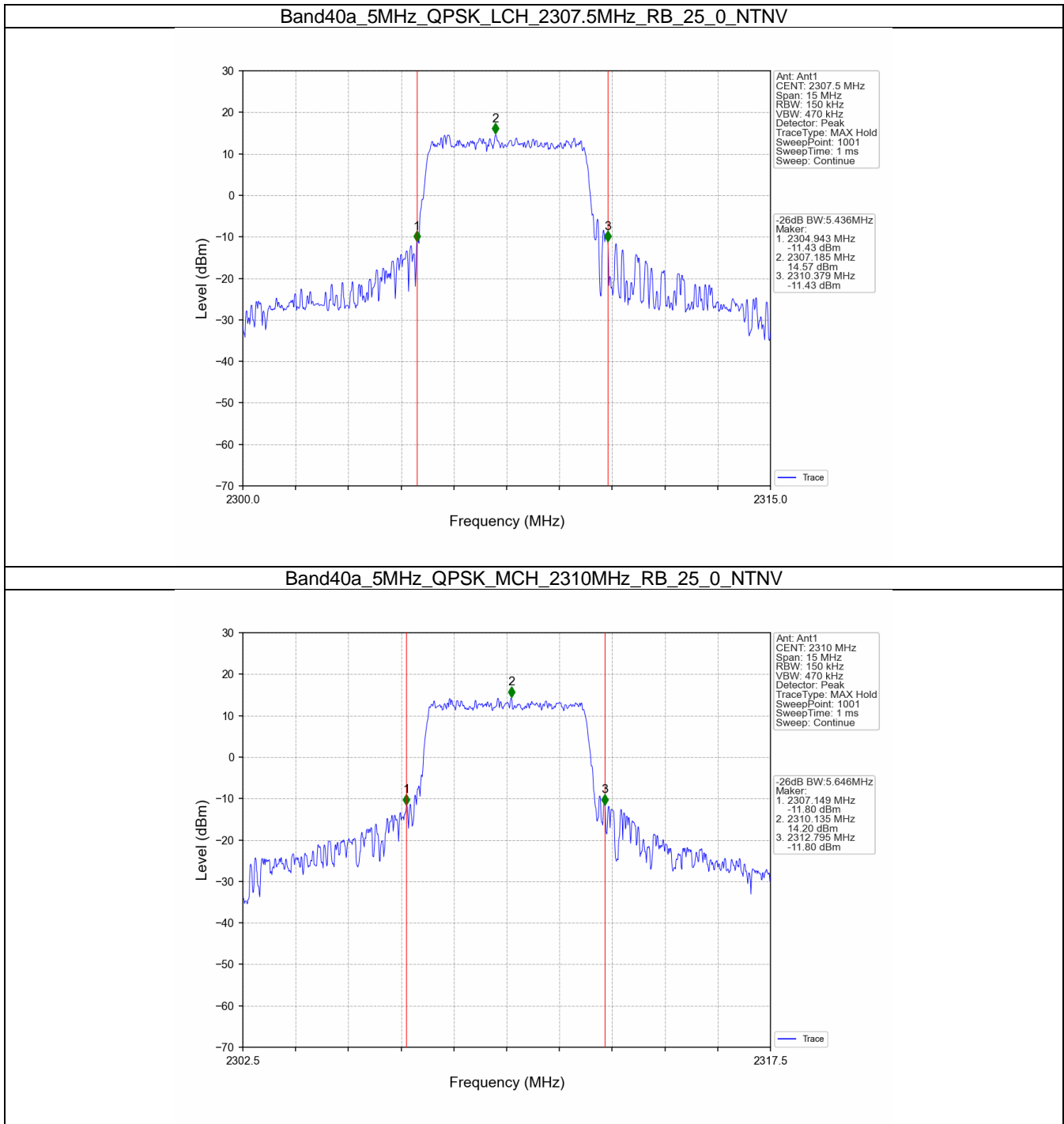
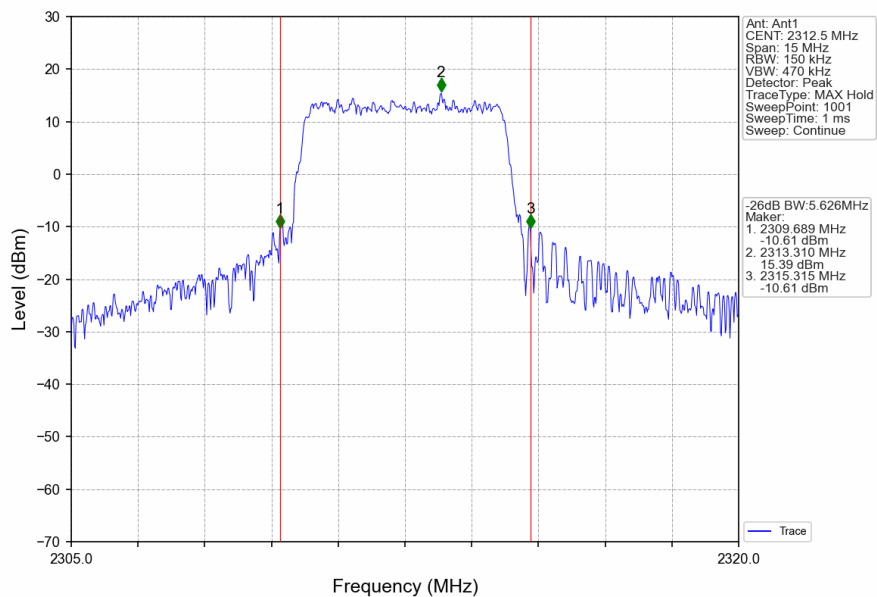


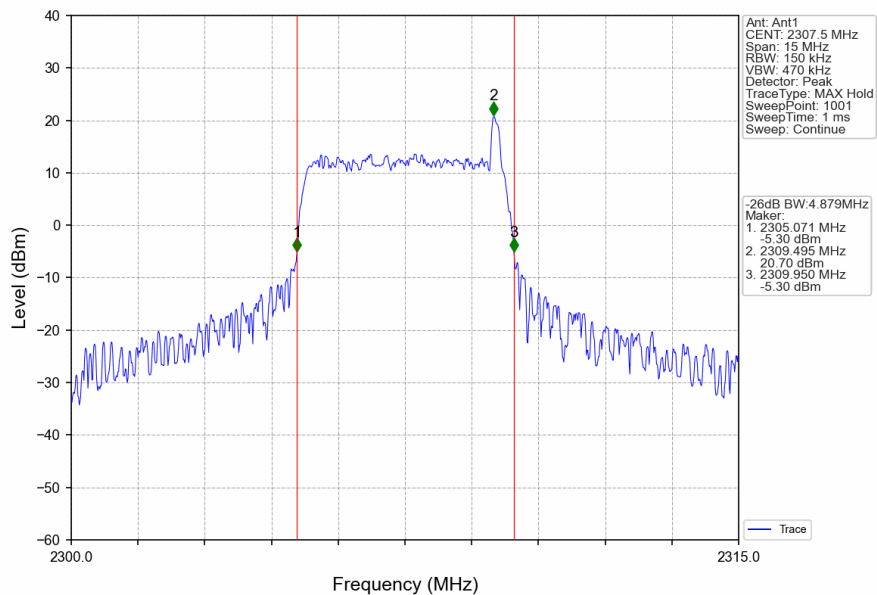
4.2.2 Test Graph



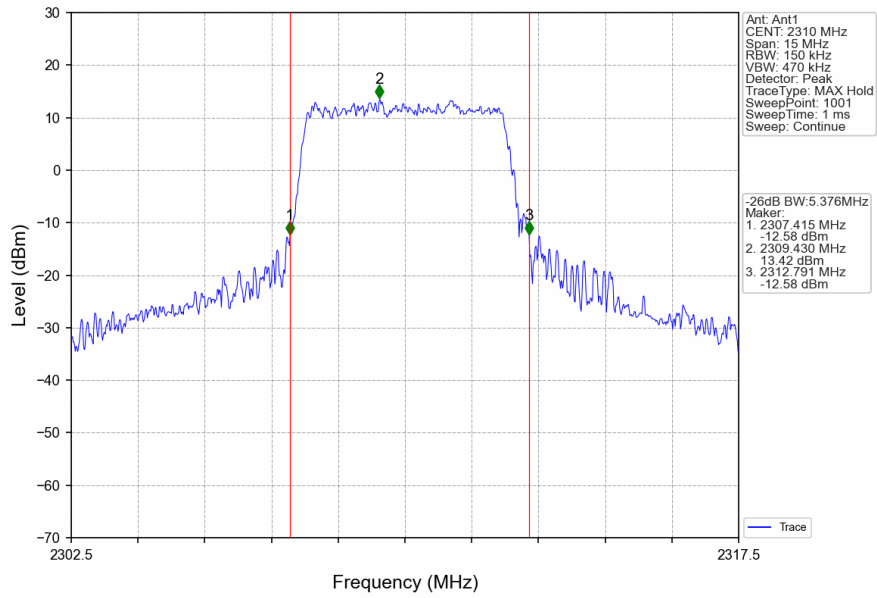
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



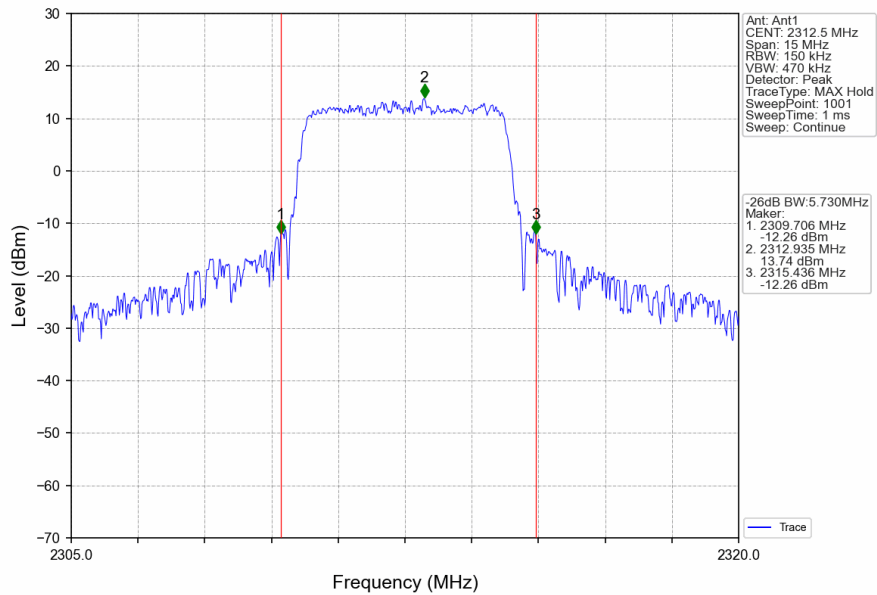
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



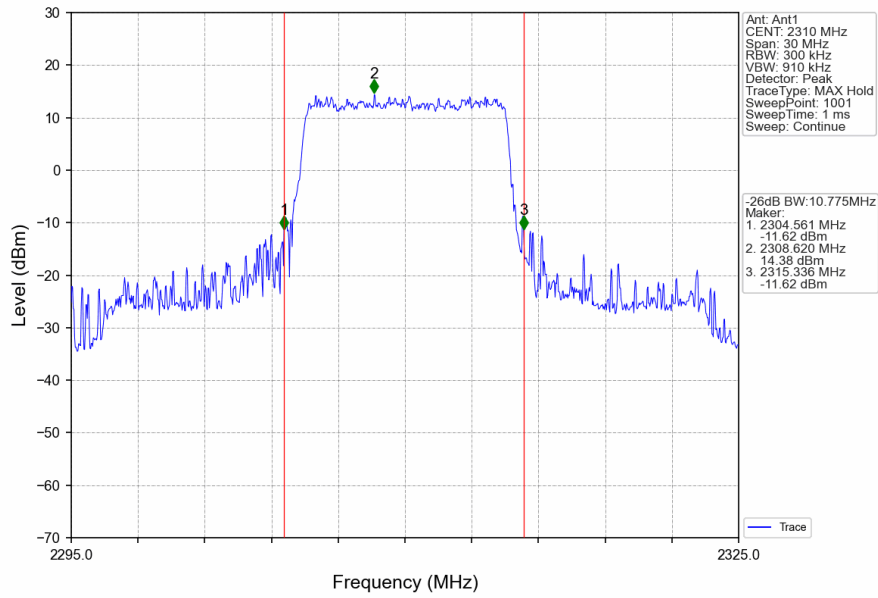
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



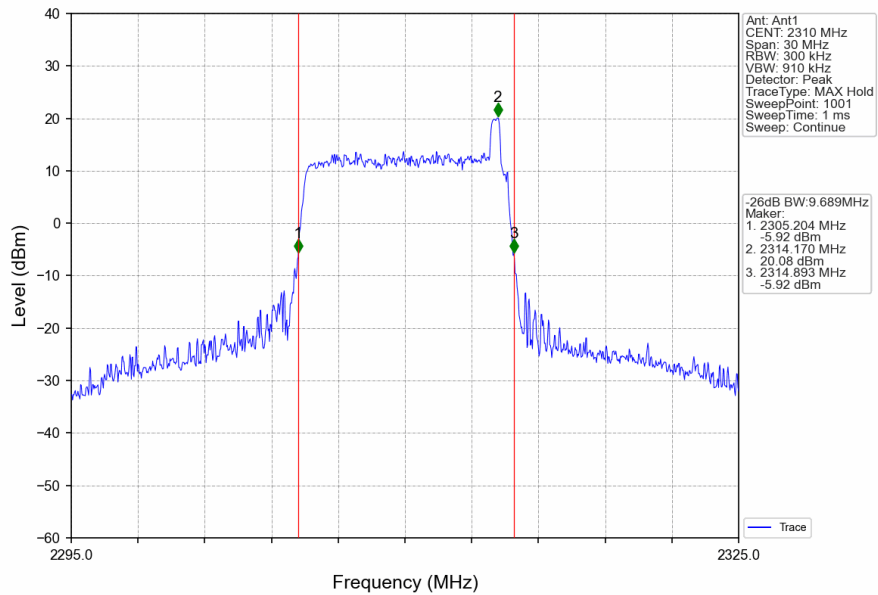
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



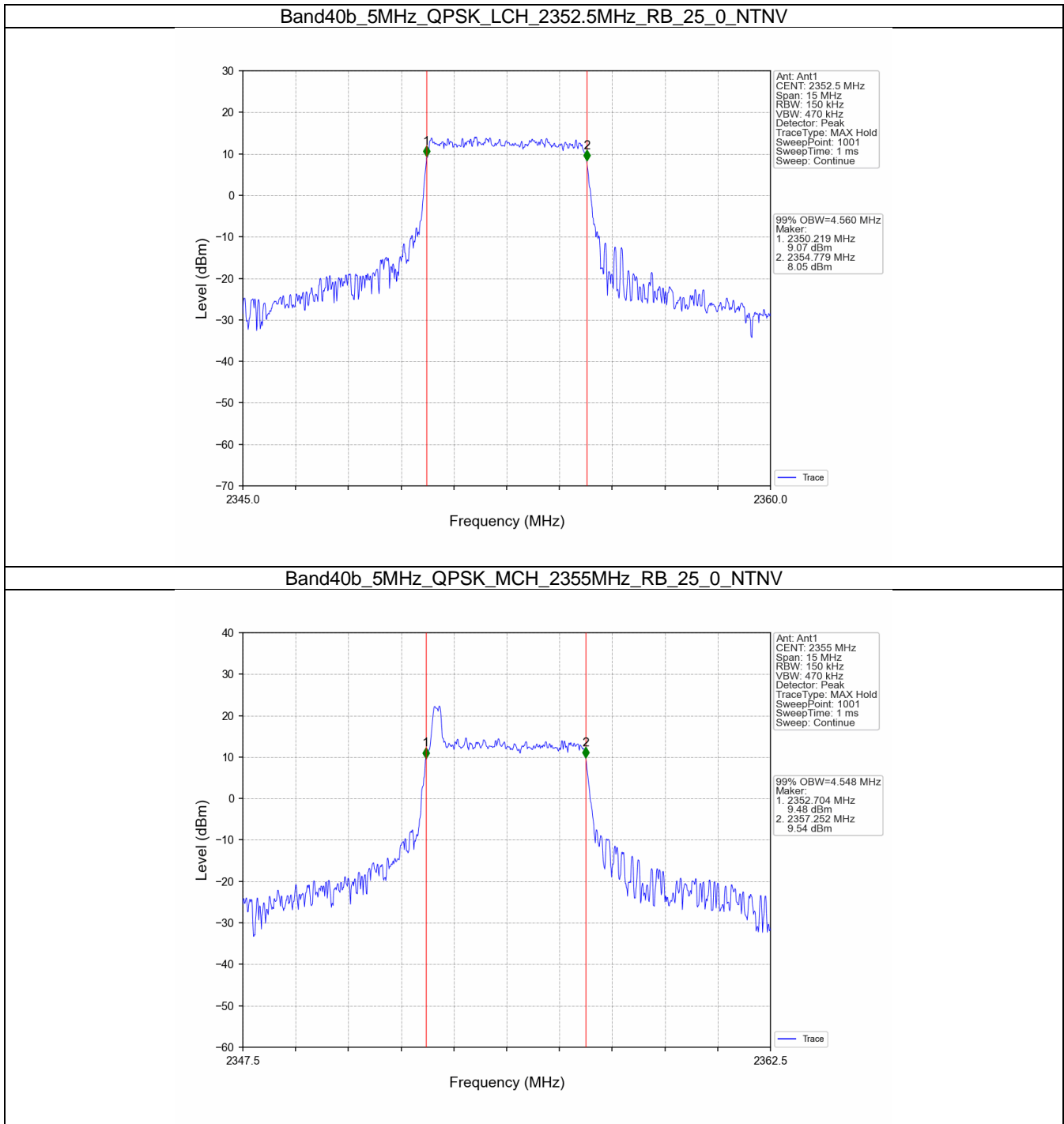
5. 99% & 26dB Bandwidth

5.1 Band40b_OBW

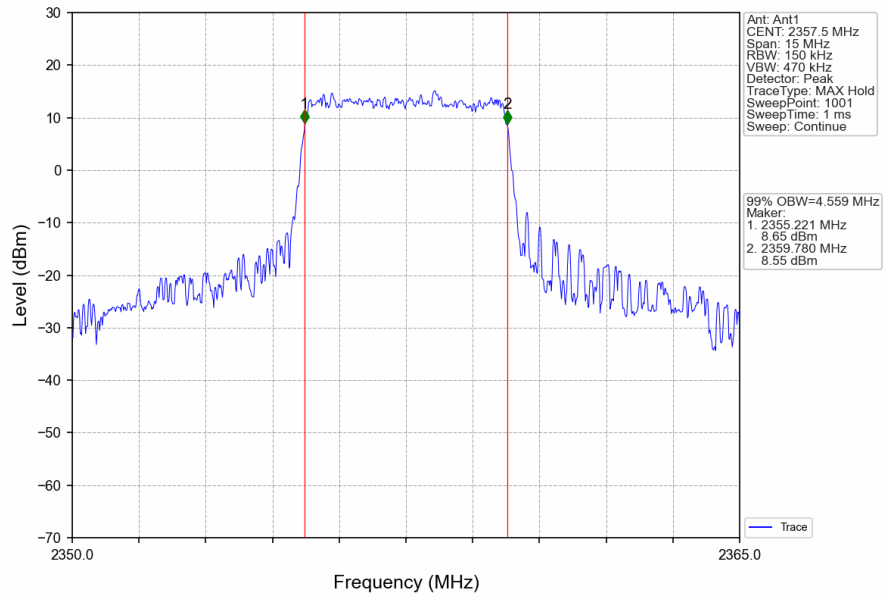
5.1.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.560	Pass
		2355	25	0	4.548	Pass
		2357.5	25	0	4.559	Pass
	16QAM	2352.5	25	0	4.576	Pass
		2355	25	0	4.613	Pass
		2357.5	25	0	4.568	Pass
10	QPSK	2355	50	0	9.130	Pass
	16QAM	2355	50	0	9.113	Pass

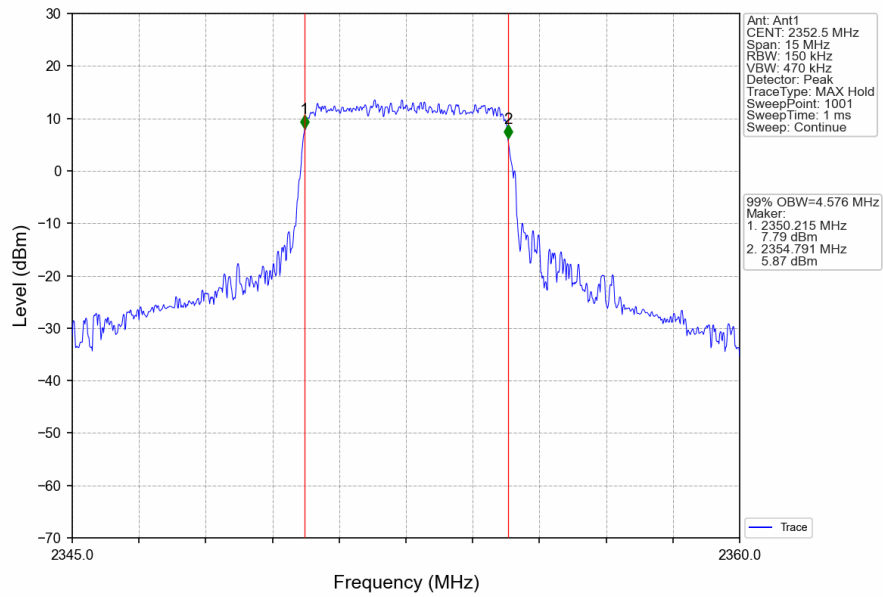
5.1.2 Test Graph



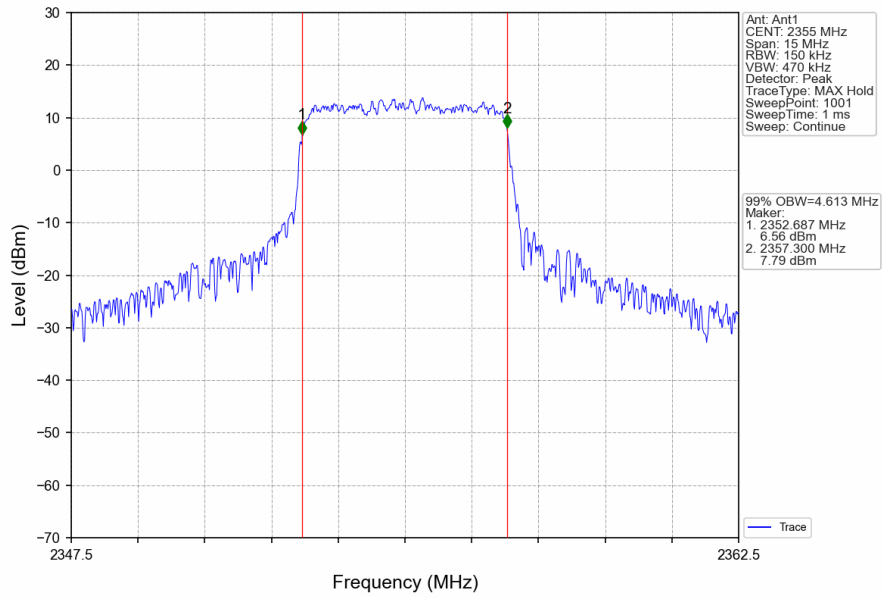
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



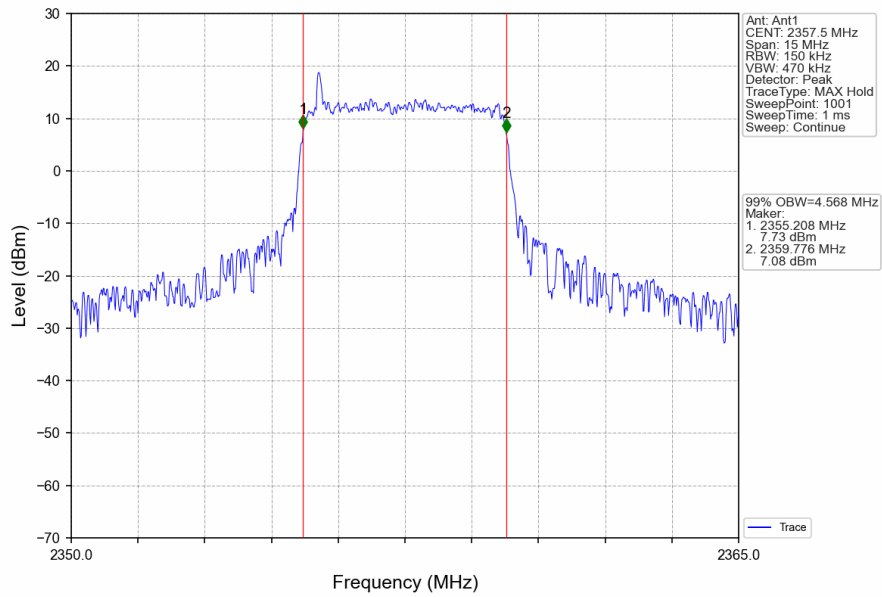
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



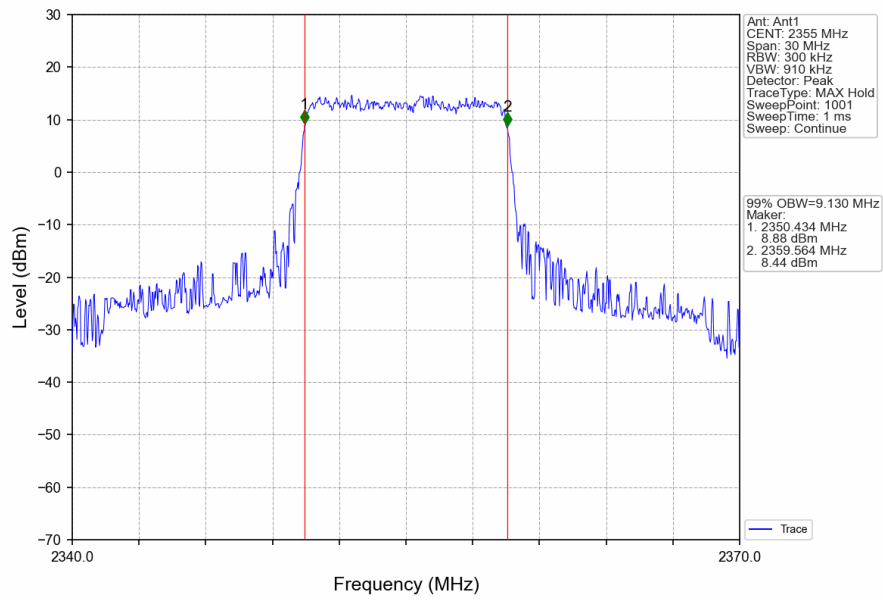
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



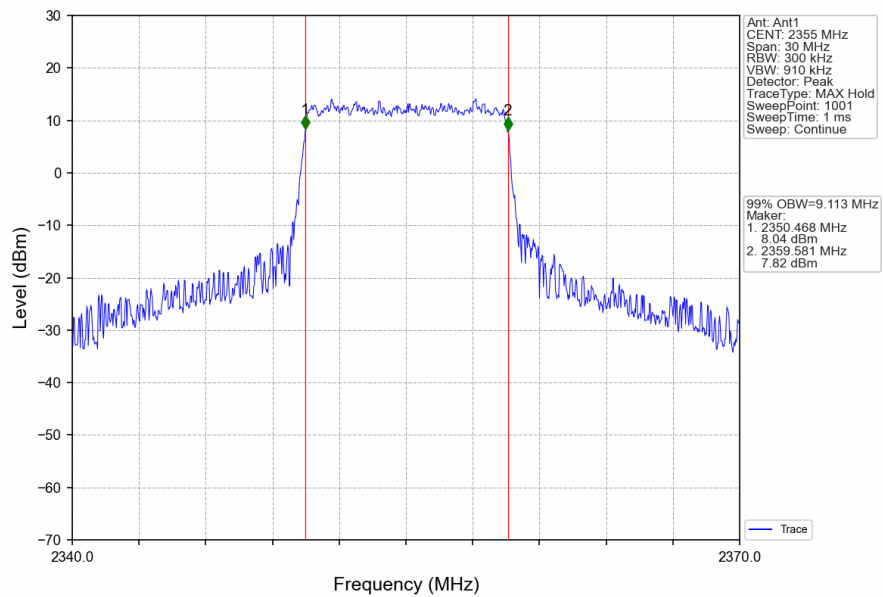
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV

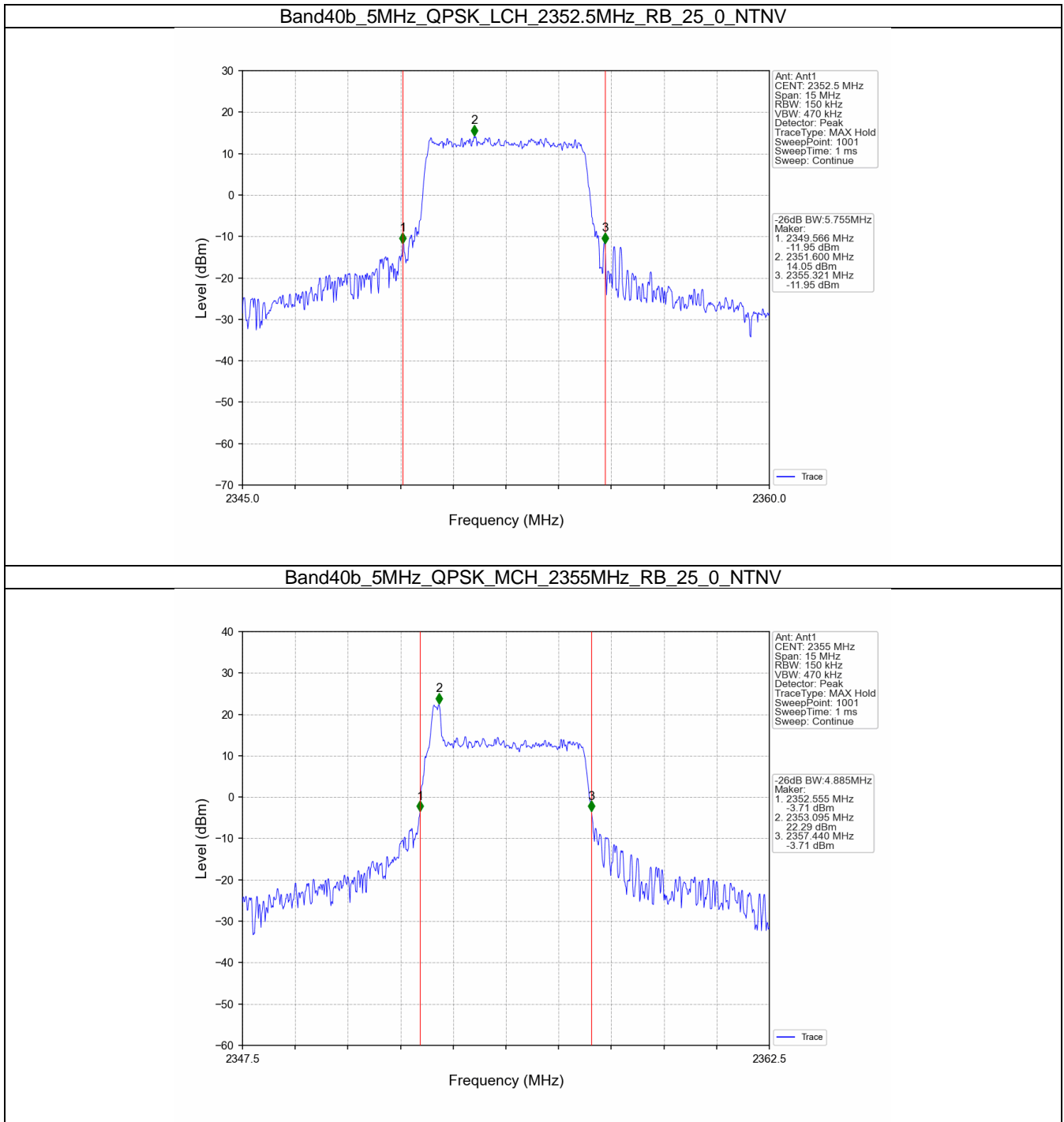


5.2 Band40b_XDB

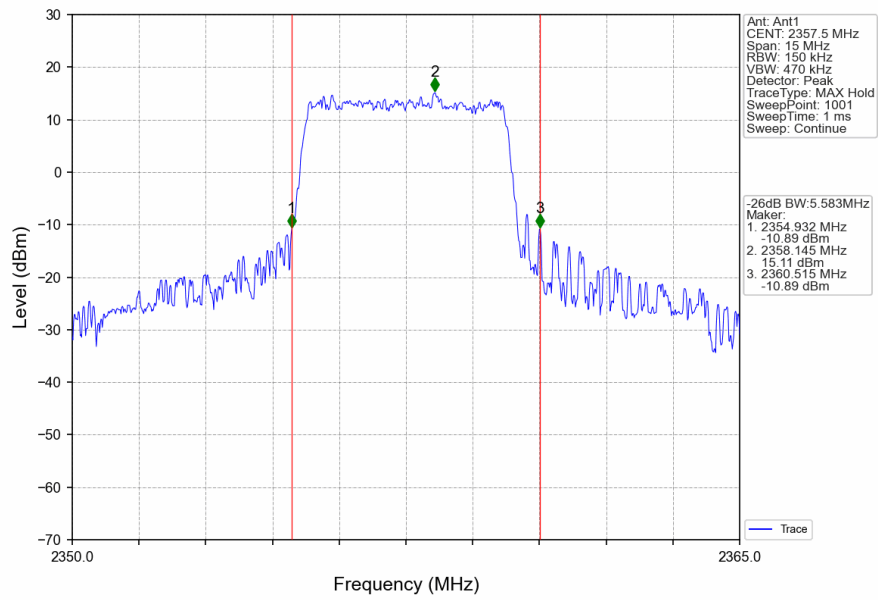
5.2.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	5.755	Pass
		2355	25	0	4.885	Pass
		2357.5	25	0	5.583	Pass
	16QAM	2352.5	25	0	5.649	Pass
		2355	25	0	5.815	Pass
		2357.5	25	0	4.985	Pass
10	QPSK	2355	50	0	11.404	Pass
	16QAM	2355	50	0	10.551	Pass

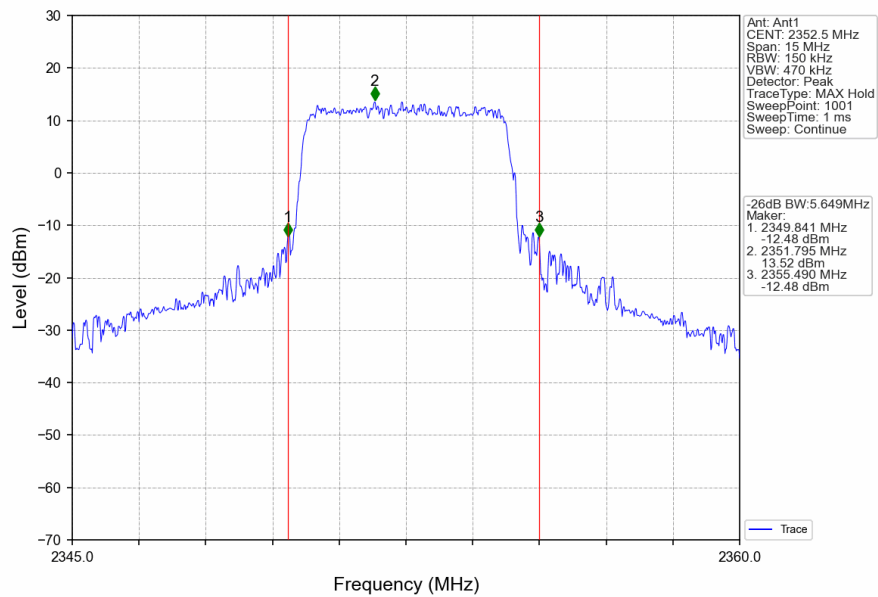
5.2.2 Test Graph



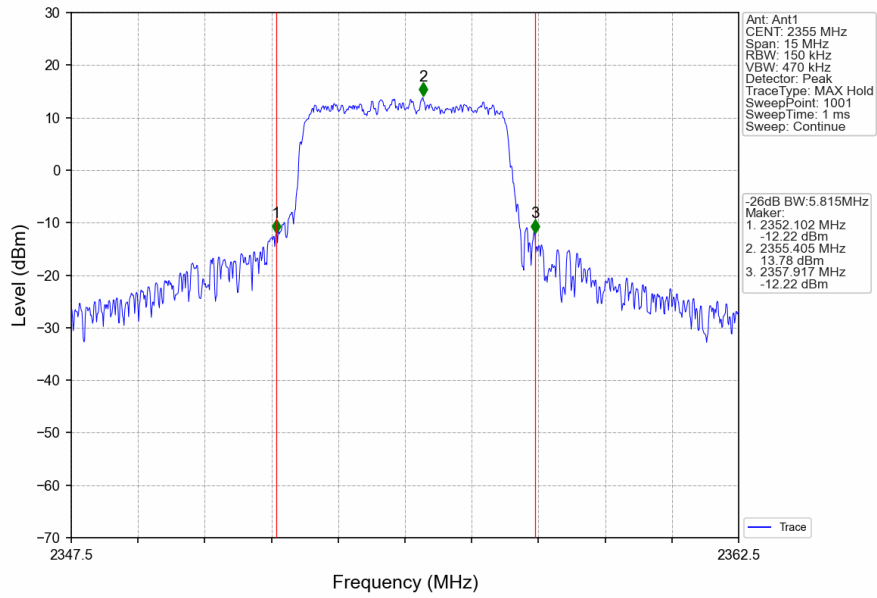
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



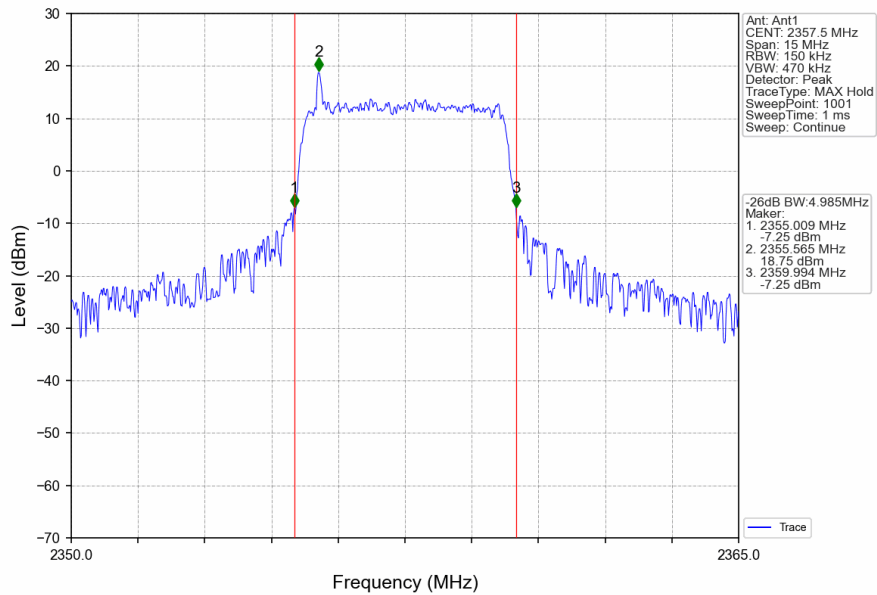
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



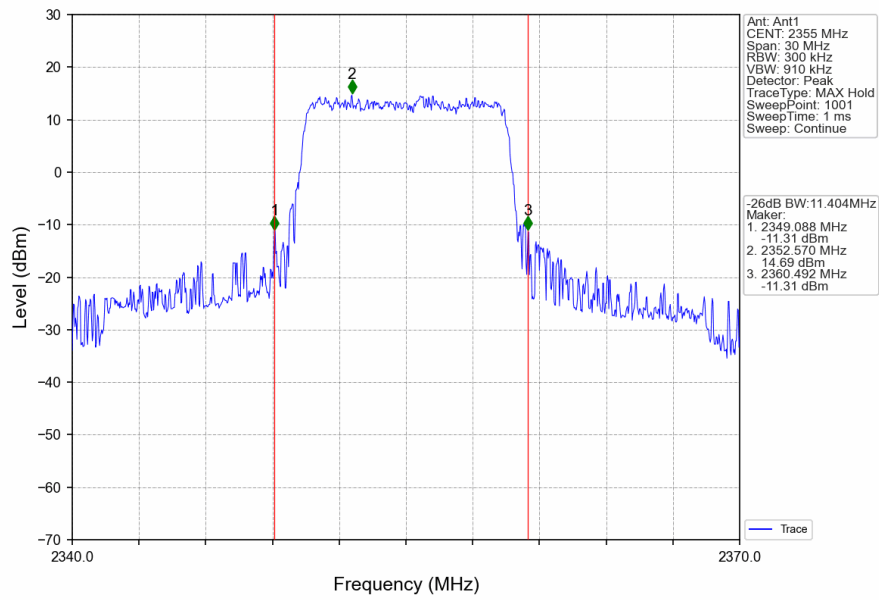
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



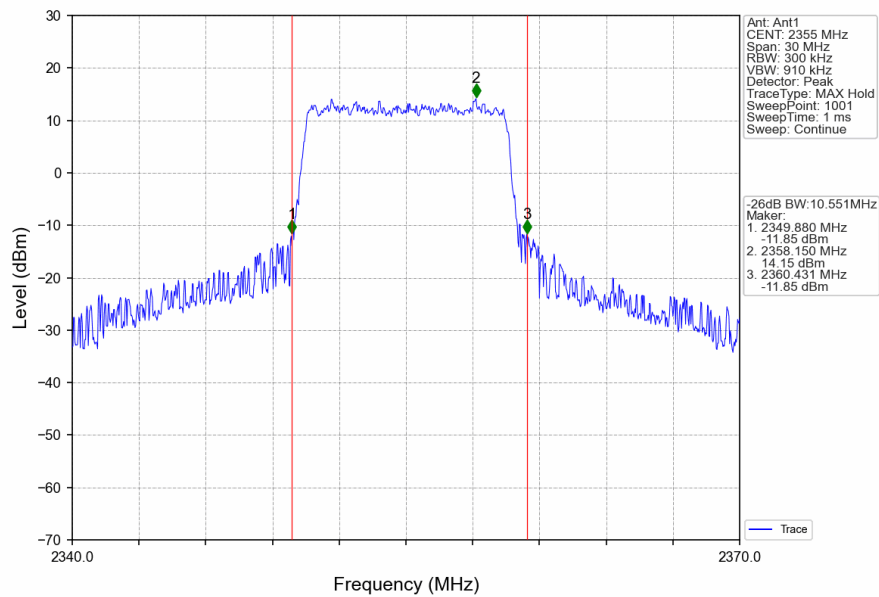
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



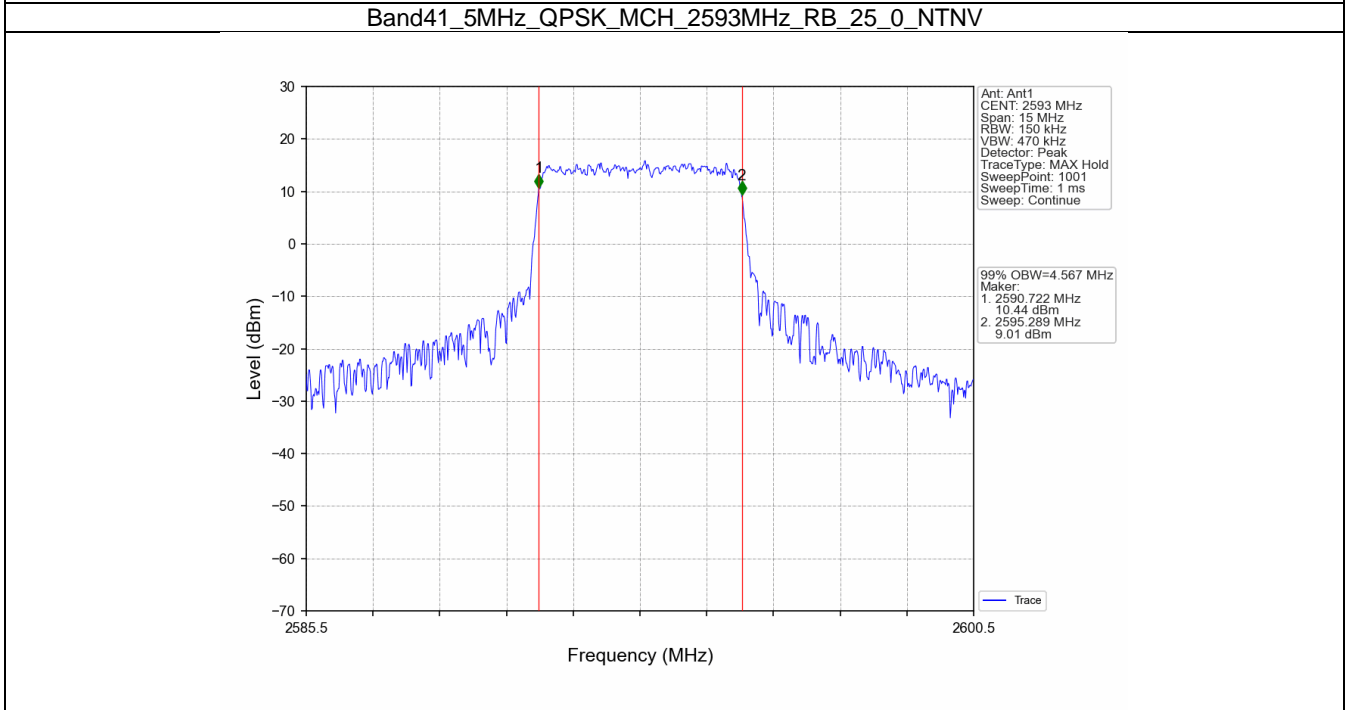
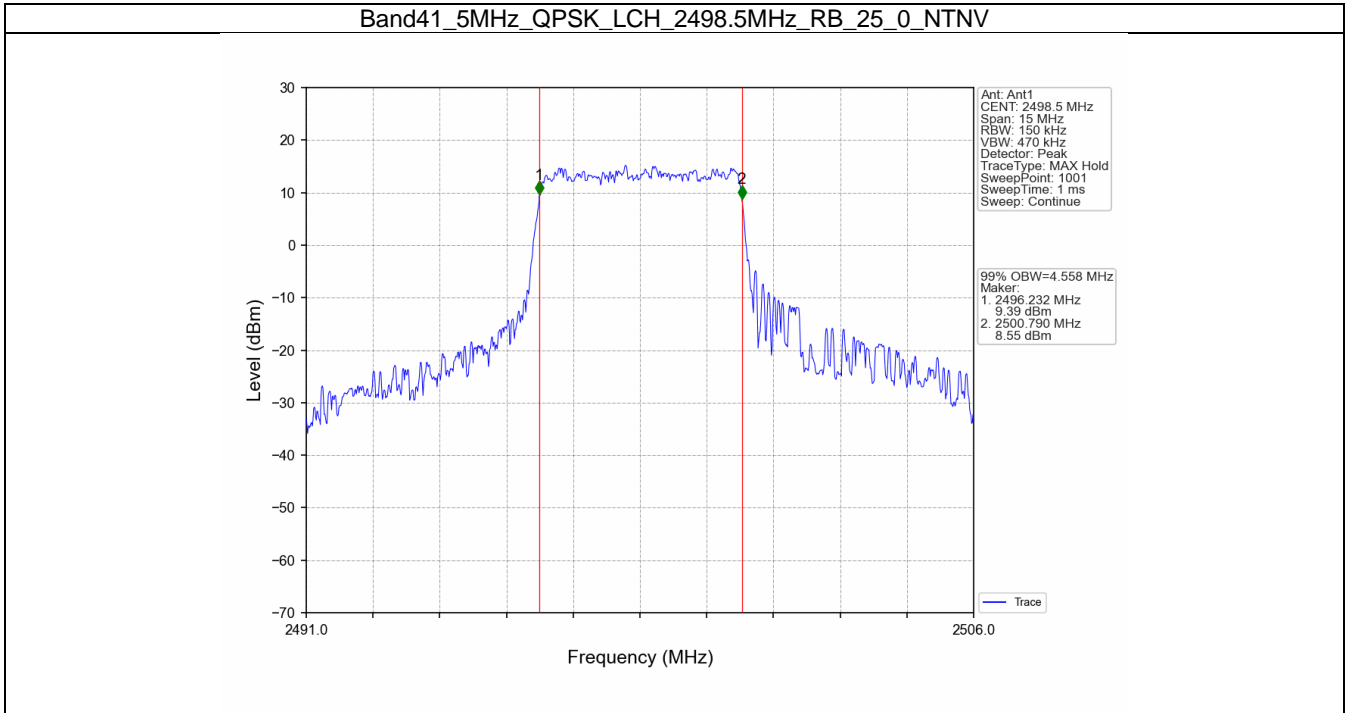
6. 99% & 26dB Bandwidth

6.1 Band41_OBW

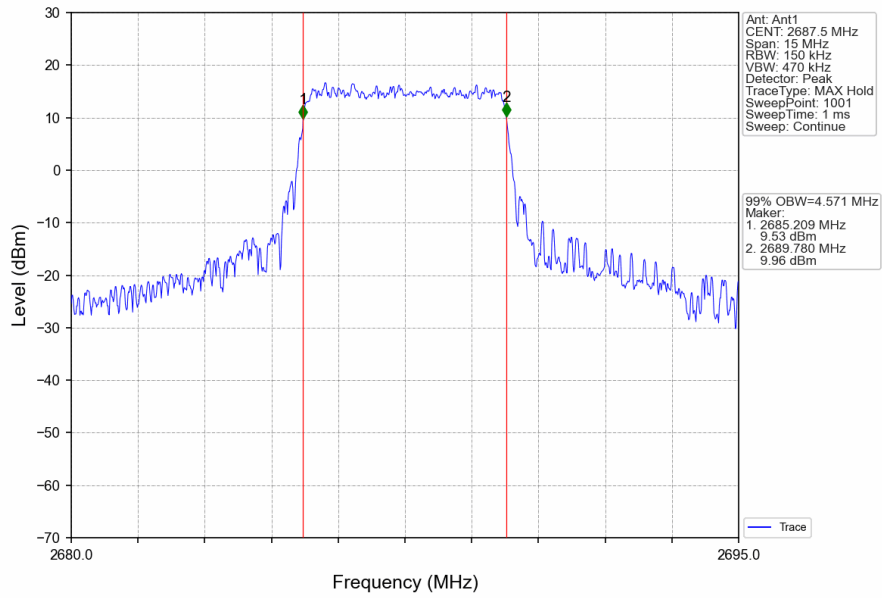
6.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.558	Pass
		2593	25	0	4.567	Pass
		2687.5	25	0	4.571	Pass
	16QAM	2498.5	25	0	4.563	Pass
		2593	25	0	4.605	Pass
		2687.5	25	0	4.578	Pass
10	QPSK	2501	50	0	9.071	Pass
		2593	50	0	9.132	Pass
		2685	50	0	9.072	Pass
	16QAM	2501	50	0	9.111	Pass
		2593	50	0	9.067	Pass
		2685	50	0	9.071	Pass
15	QPSK	2503.5	75	0	13.659	Pass
		2593	75	0	13.655	Pass
		2682.5	75	0	13.600	Pass
	16QAM	2503.5	75	0	13.519	Pass
		2593	75	0	13.587	Pass
		2682.5	75	0	13.613	Pass
20	QPSK	2506	100	0	18.097	Pass
		2593	100	0	18.114	Pass
		2680	100	0	18.142	Pass
	16QAM	2506	100	0	18.085	Pass
		2593	100	0	18.159	Pass
		2680	100	0	18.186	Pass

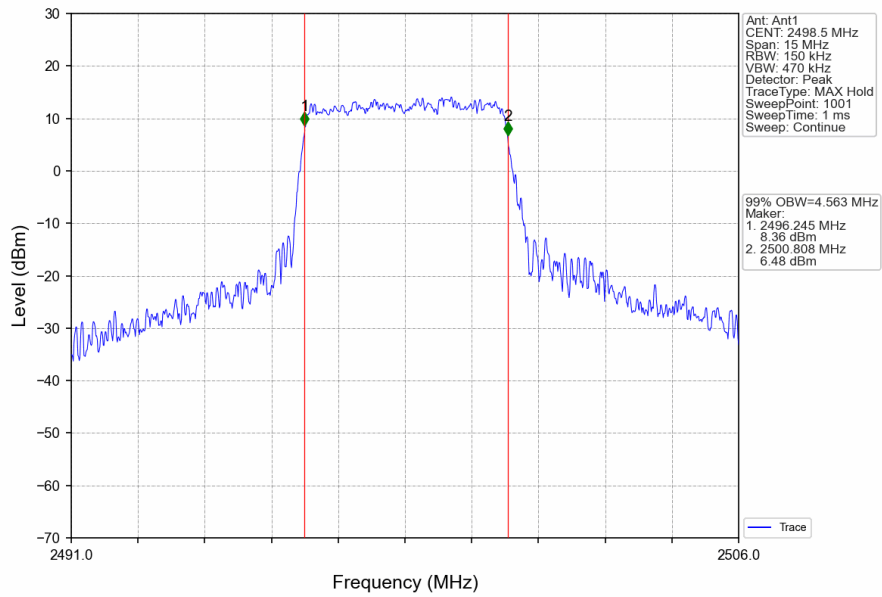
6.1.2 Test Graph



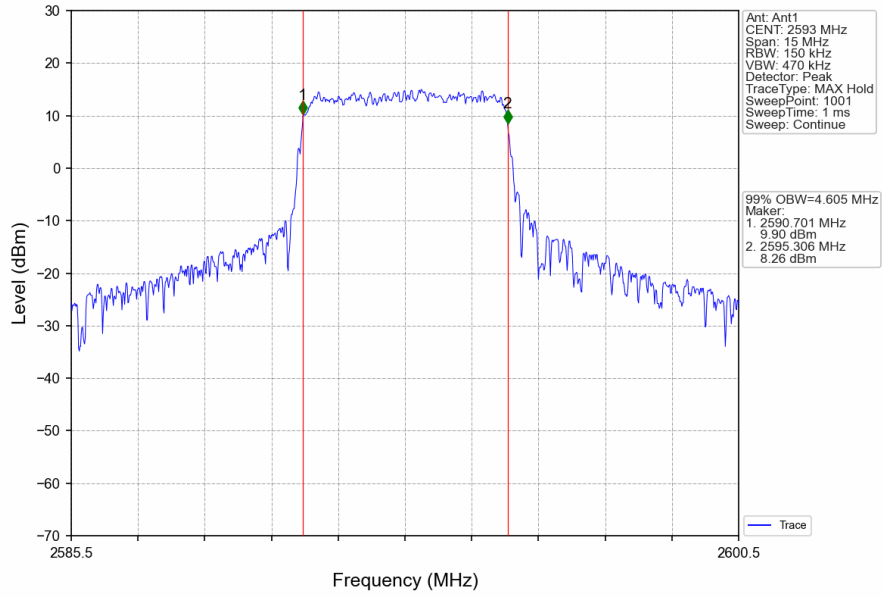
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



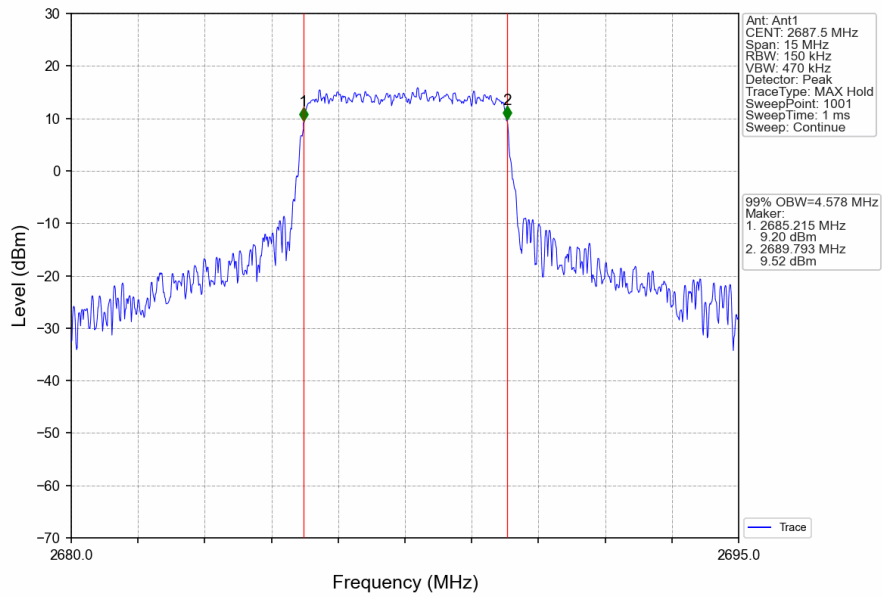
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



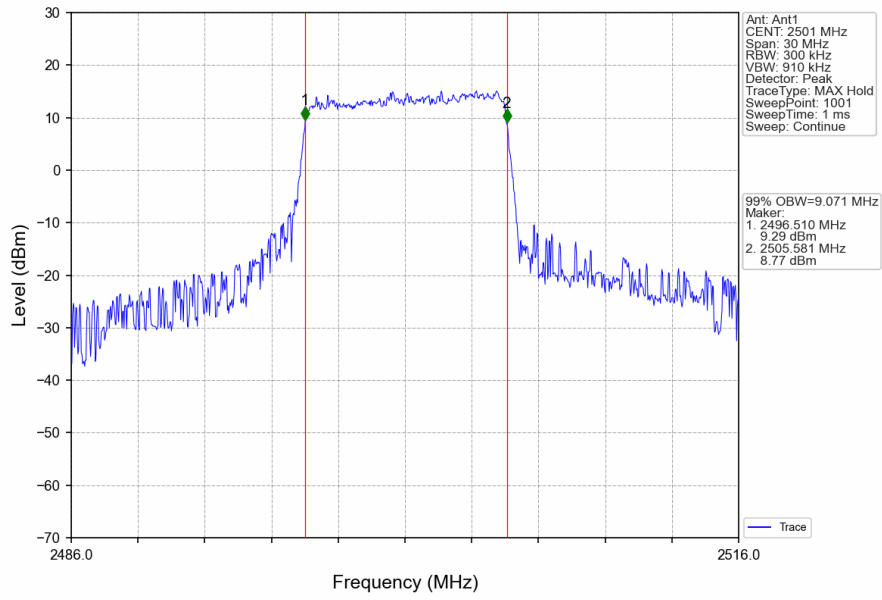
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



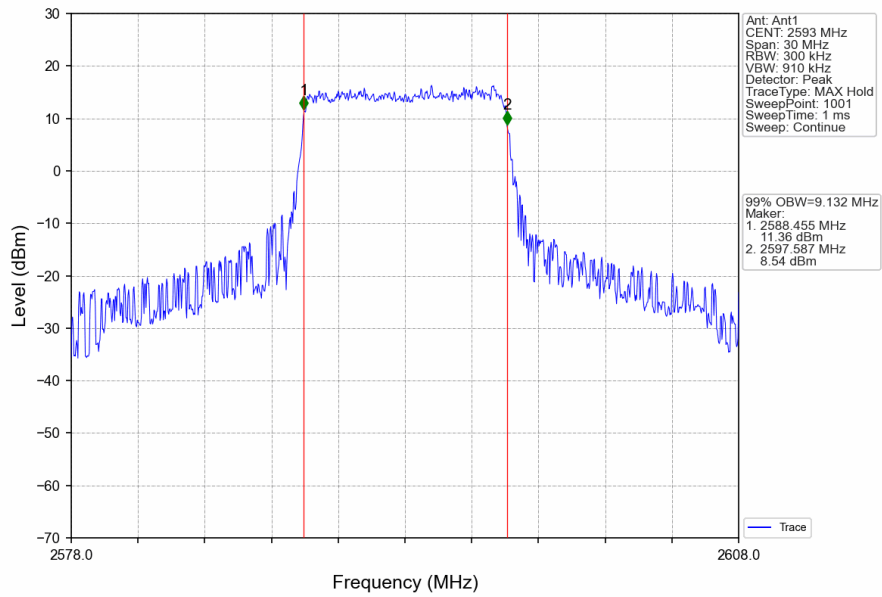
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



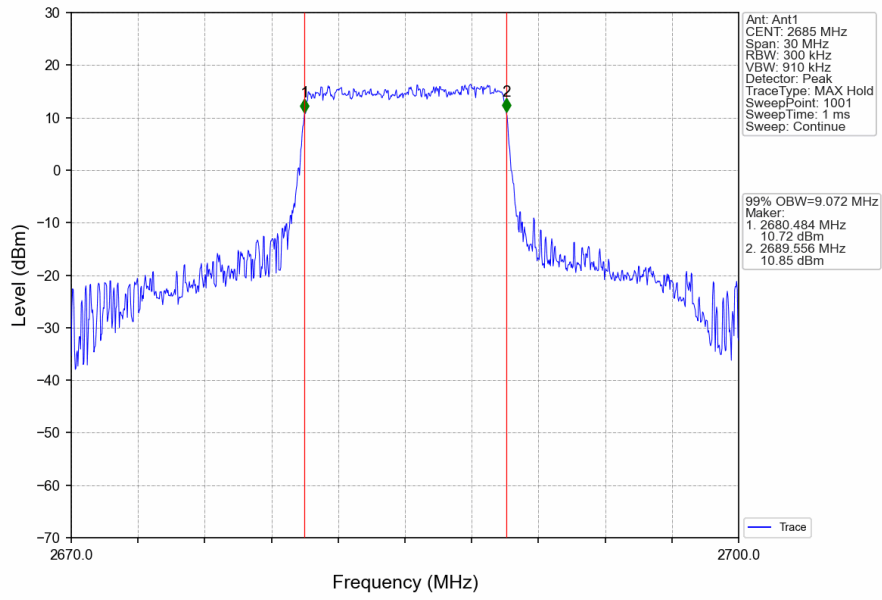
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



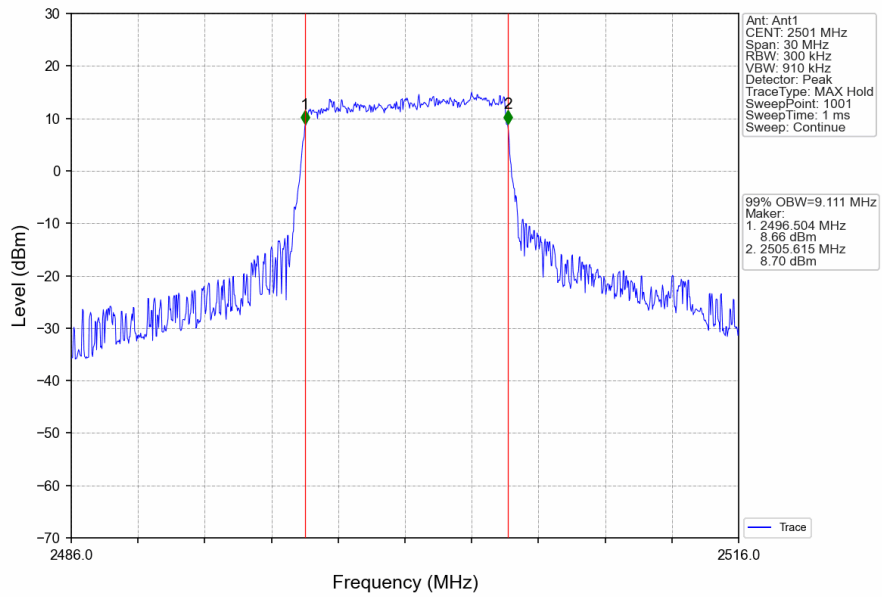
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



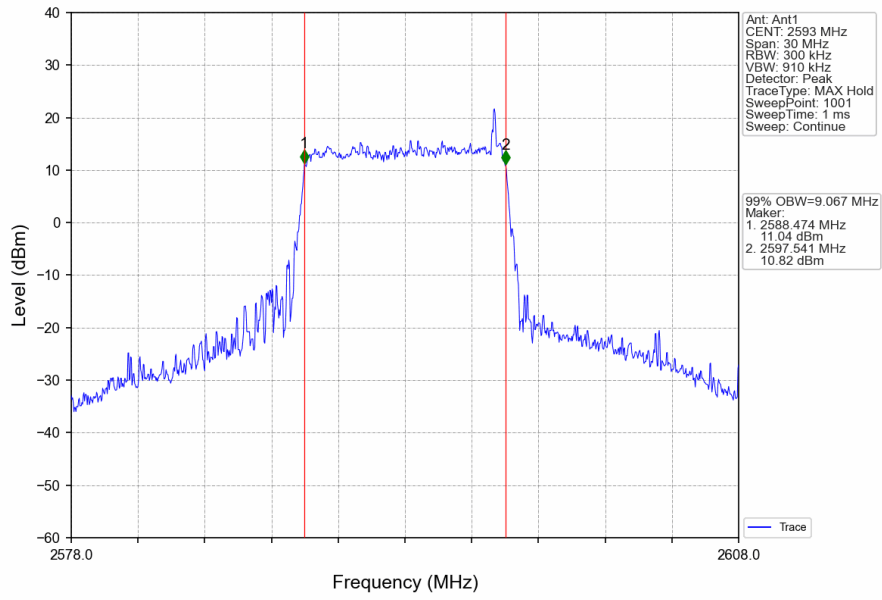
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



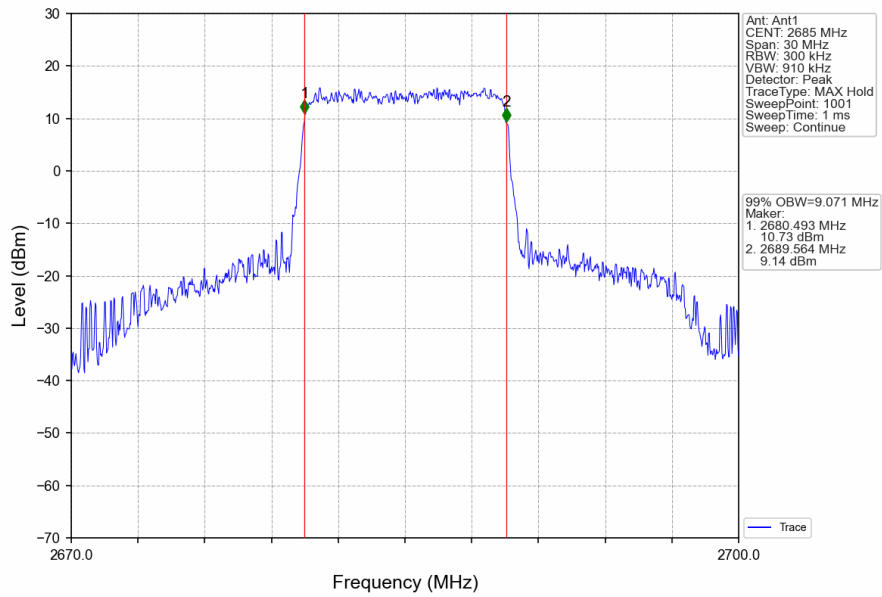
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



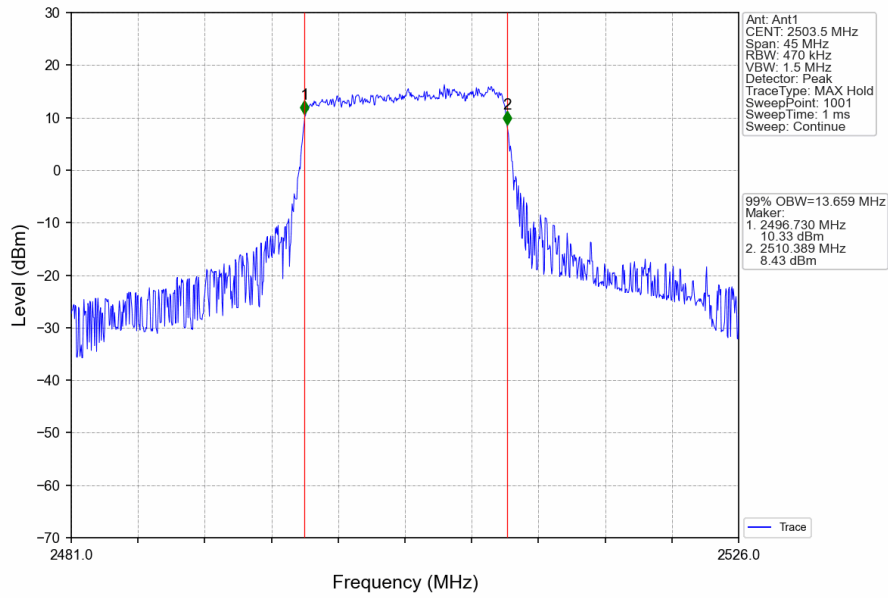
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



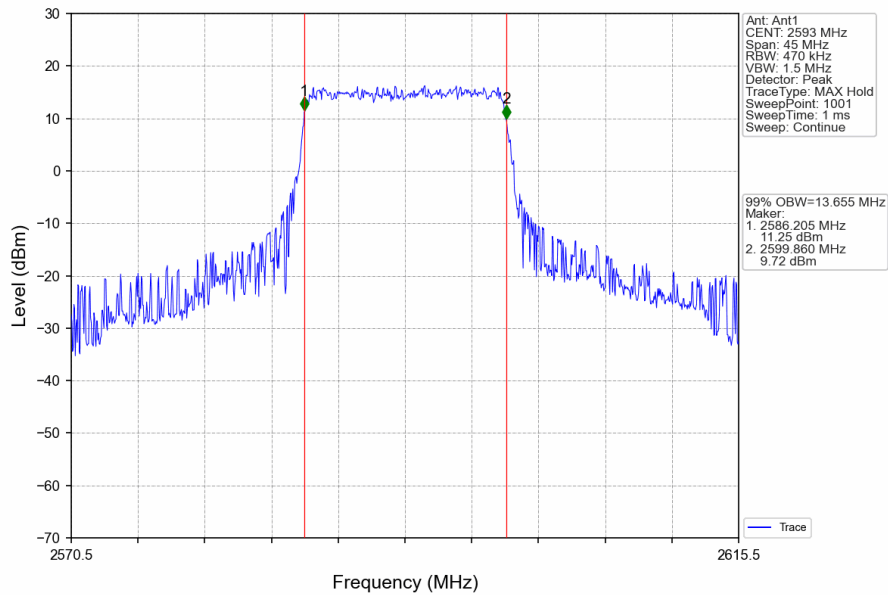
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



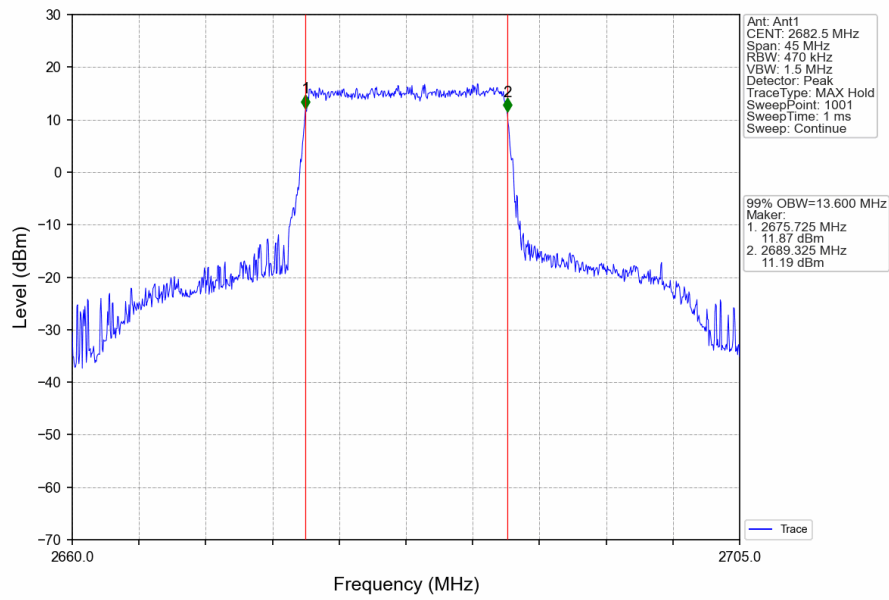
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



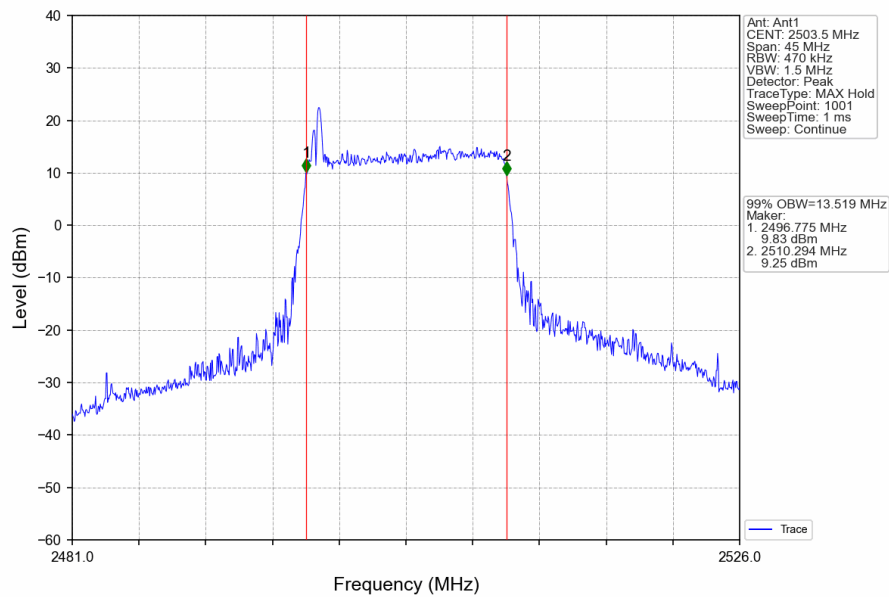
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



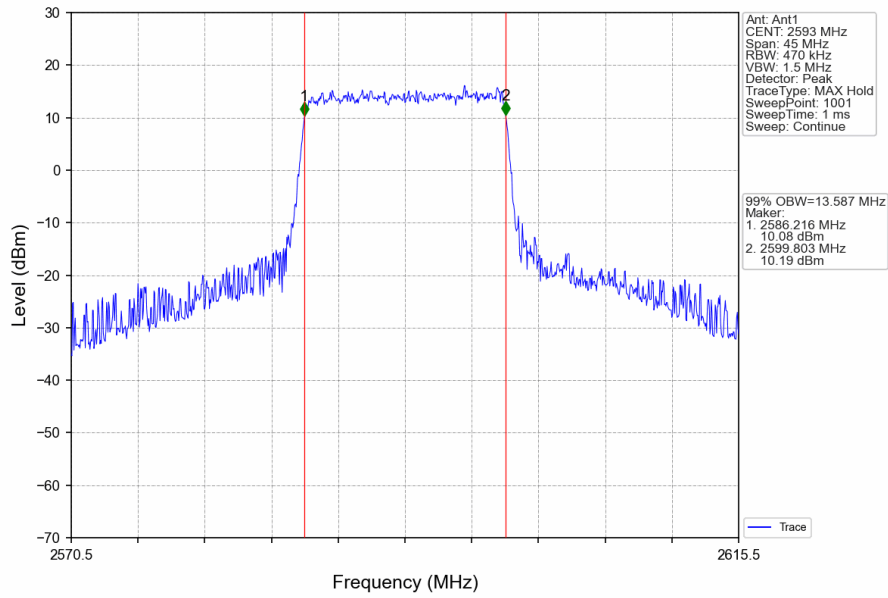
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



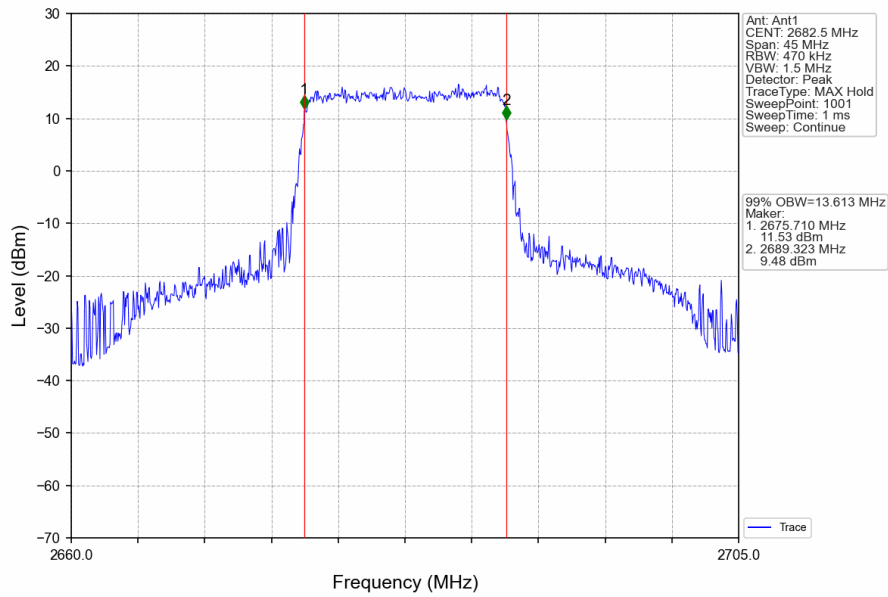
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



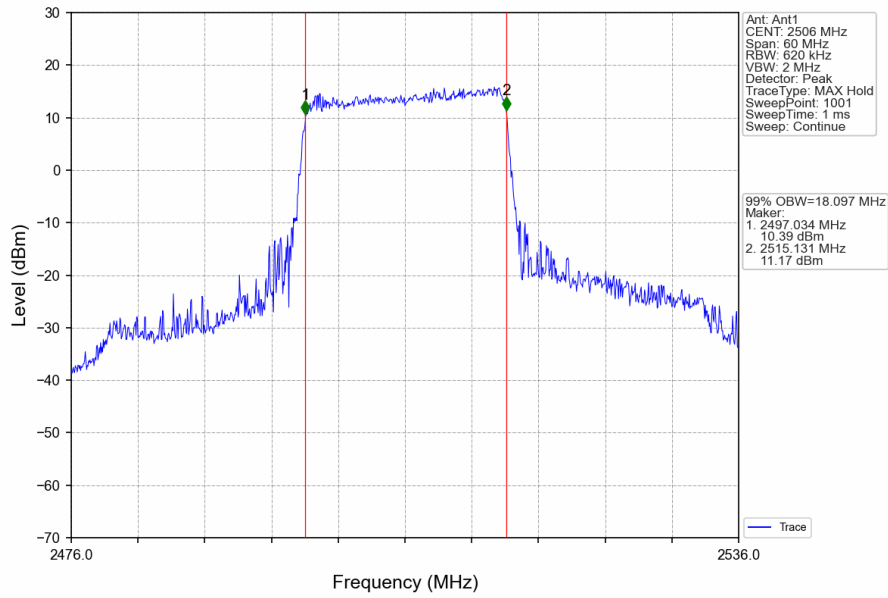
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



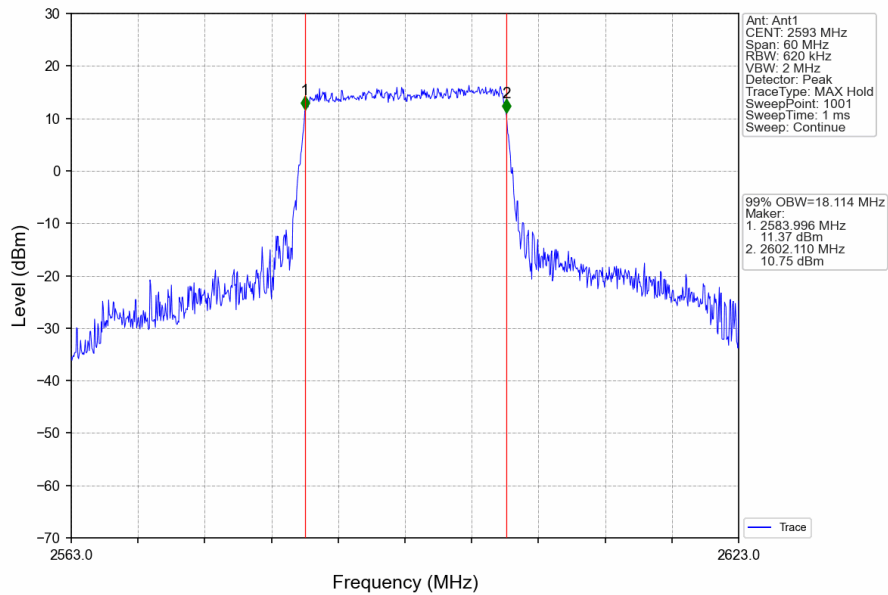
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



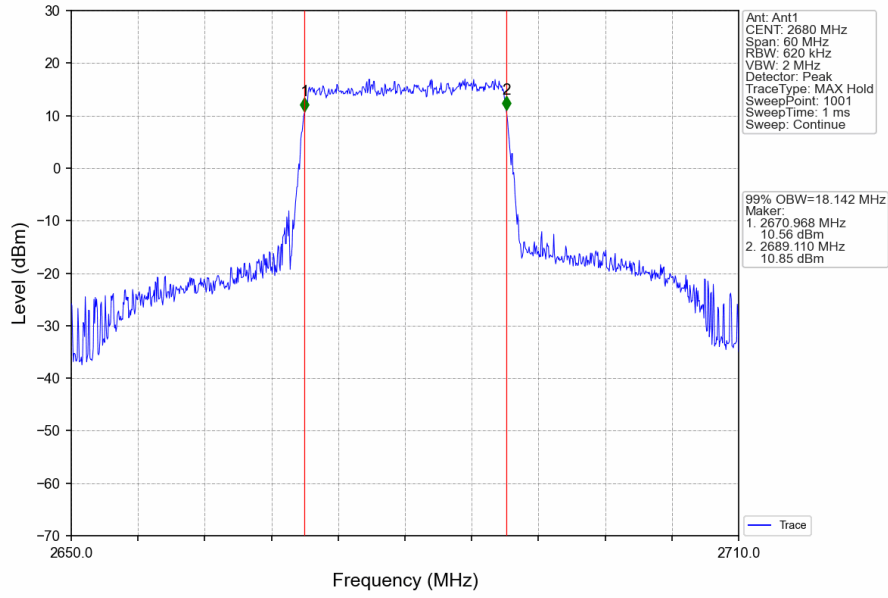
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



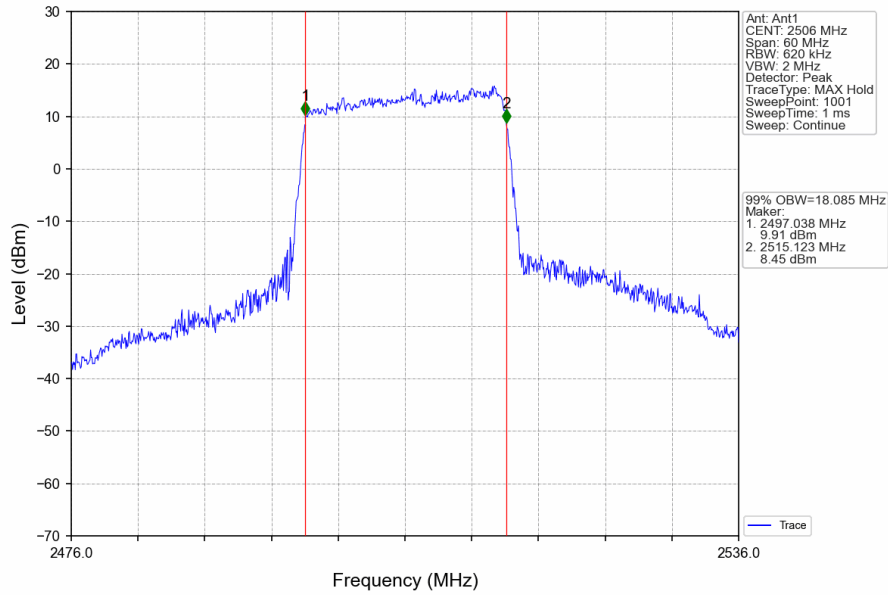
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



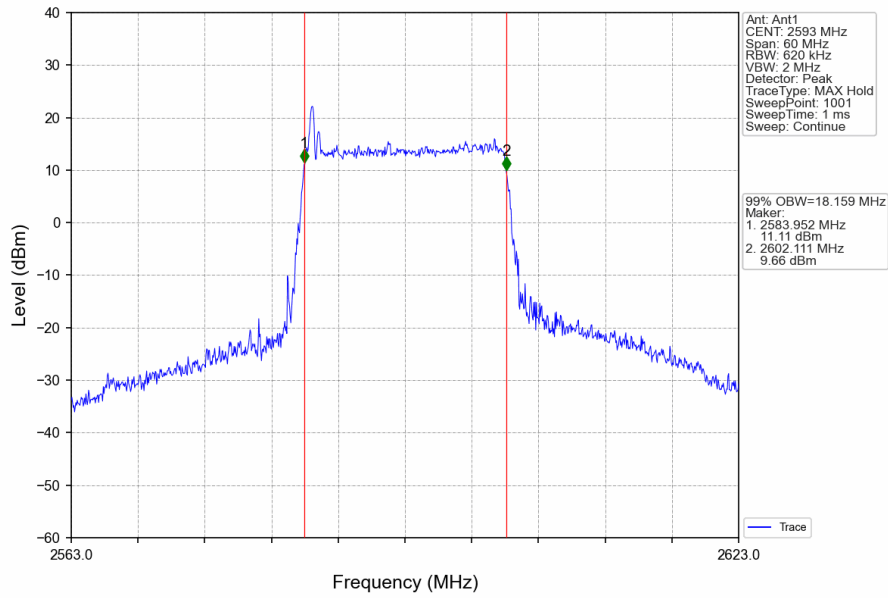
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



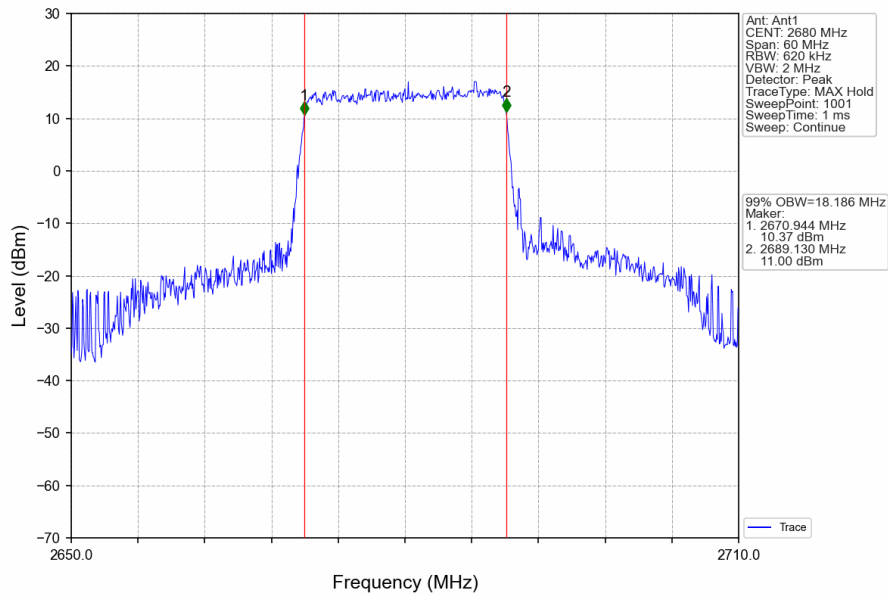
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV

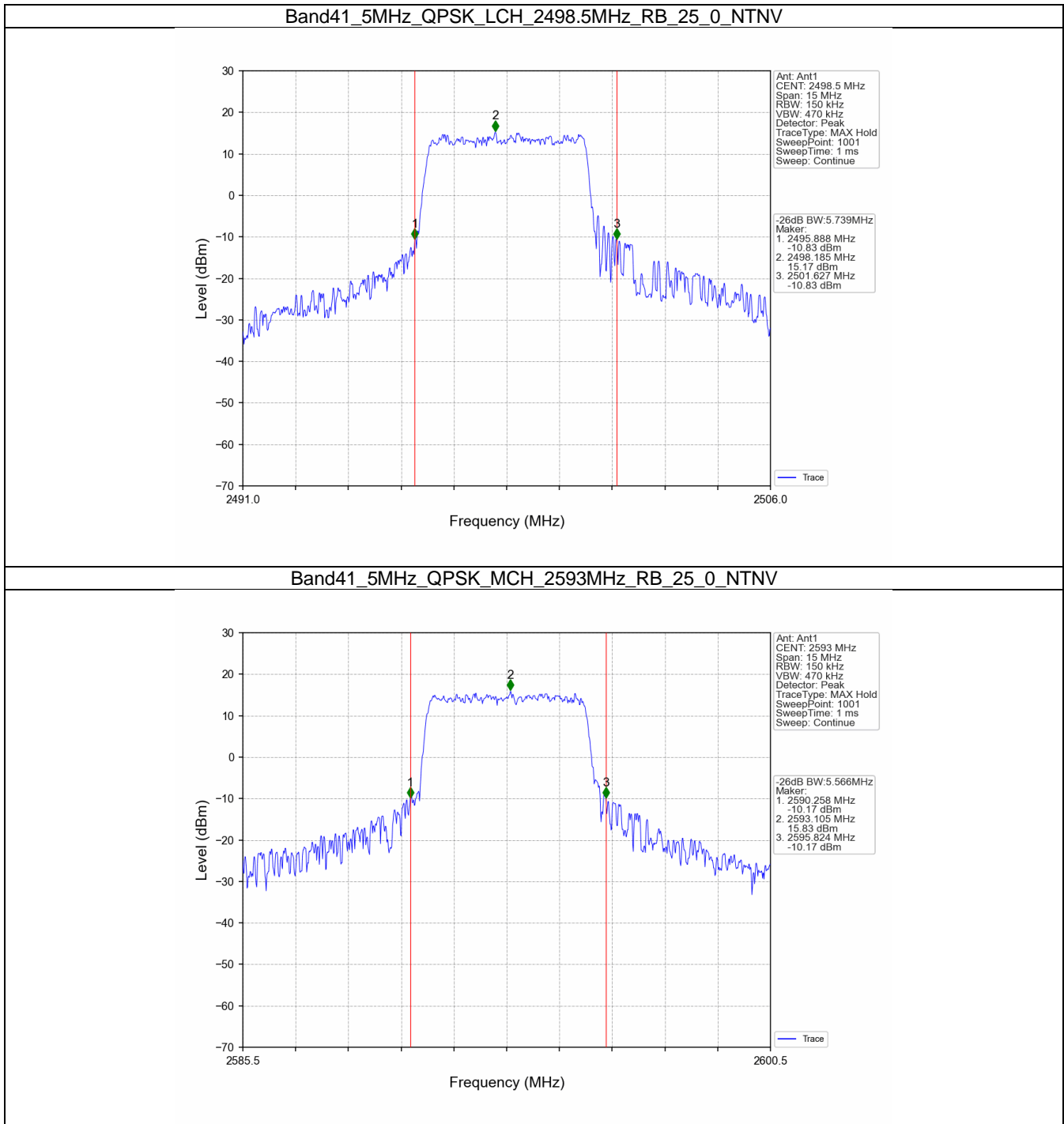


6.2 Band41_XDB

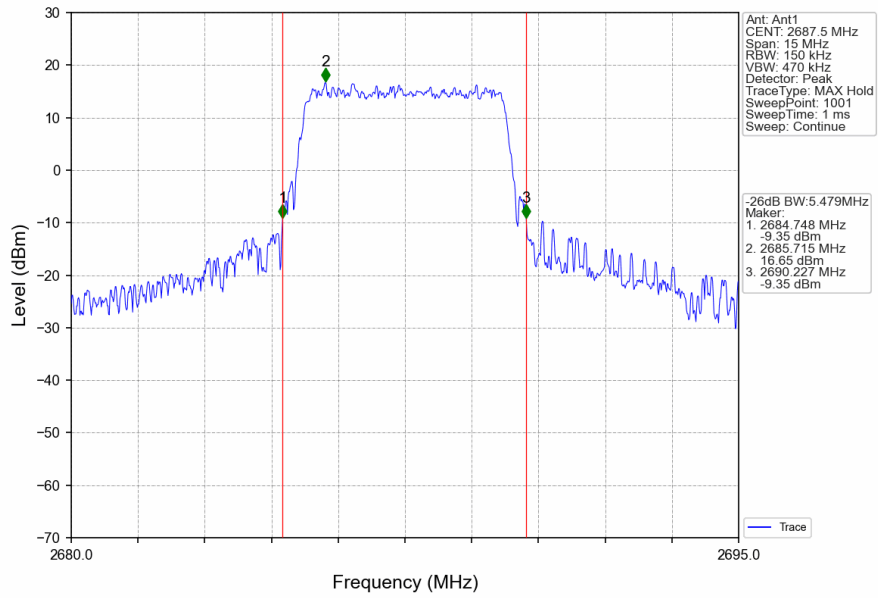
6.2.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.739	Pass
		2593	25	0	5.566	Pass
		2687.5	25	0	5.479	Pass
	16QAM	2498.5	25	0	5.205	Pass
		2593	25	0	5.640	Pass
		2687.5	25	0	5.713	Pass
10	QPSK	2501	50	0	11.397	Pass
		2593	50	0	10.996	Pass
		2685	50	0	10.996	Pass
	16QAM	2501	50	0	10.623	Pass
		2593	50	0	9.870	Pass
		2685	50	0	10.119	Pass
15	QPSK	2503.5	75	0	17.430	Pass
		2593	75	0	16.873	Pass
		2682.5	75	0	15.337	Pass
	16QAM	2503.5	75	0	14.582	Pass
		2593	75	0	15.183	Pass
		2682.5	75	0	15.436	Pass
20	QPSK	2506	100	0	20.840	Pass
		2593	100	0	20.276	Pass
		2680	100	0	20.609	Pass
	16QAM	2506	100	0	19.914	Pass
		2593	100	0	19.556	Pass
		2680	100	0	22.290	Pass

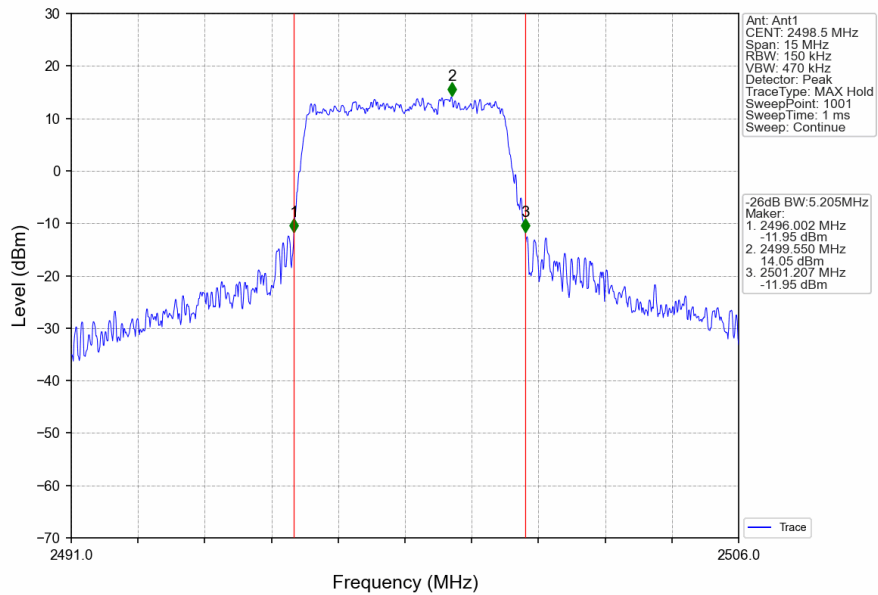
6.2.2 Test Graph



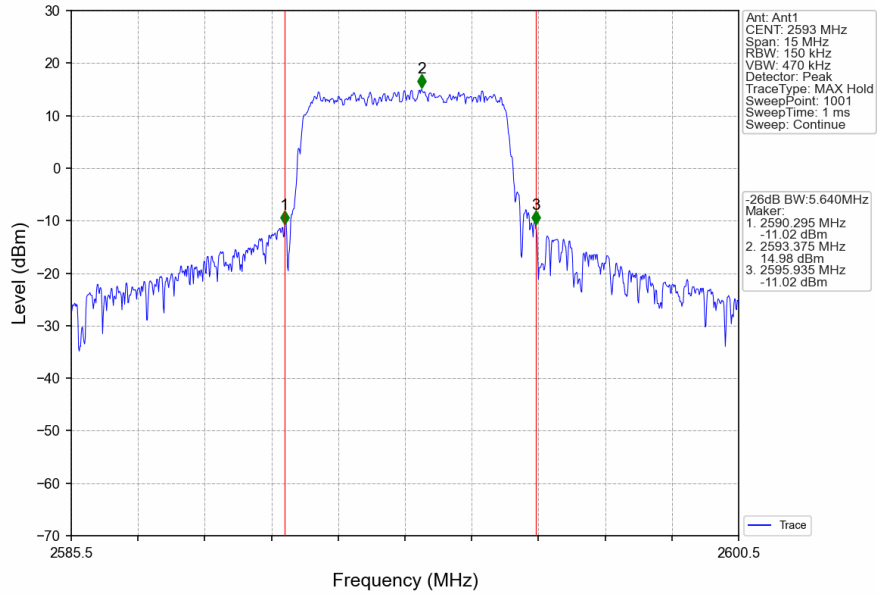
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



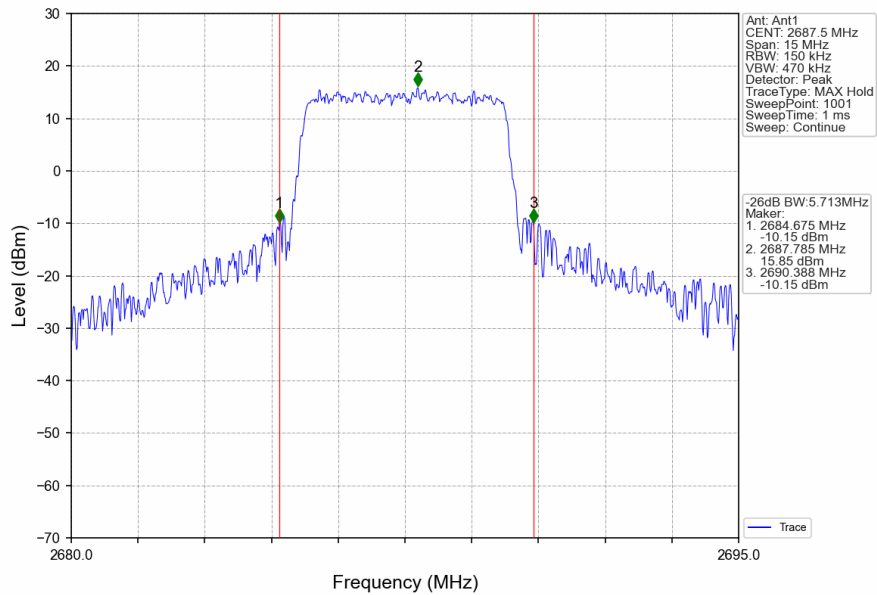
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



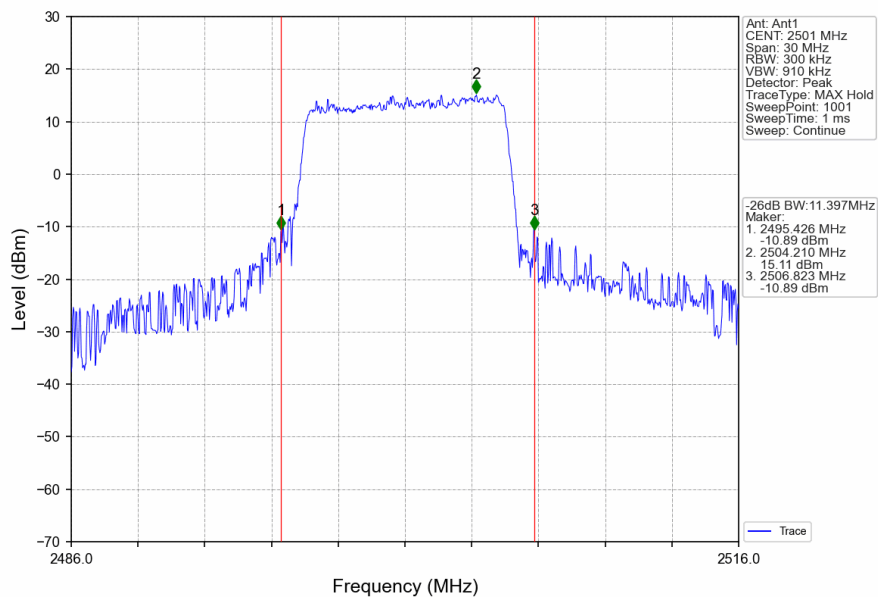
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



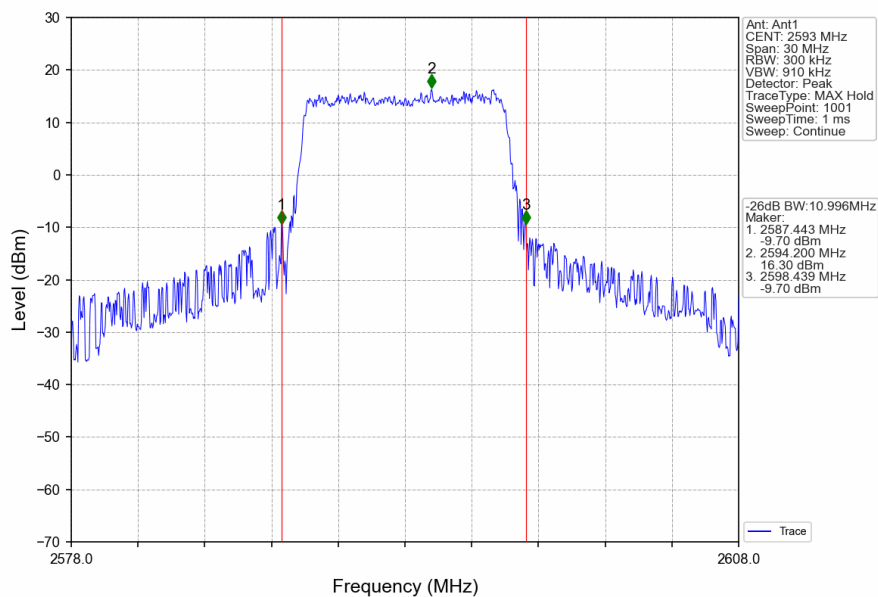
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



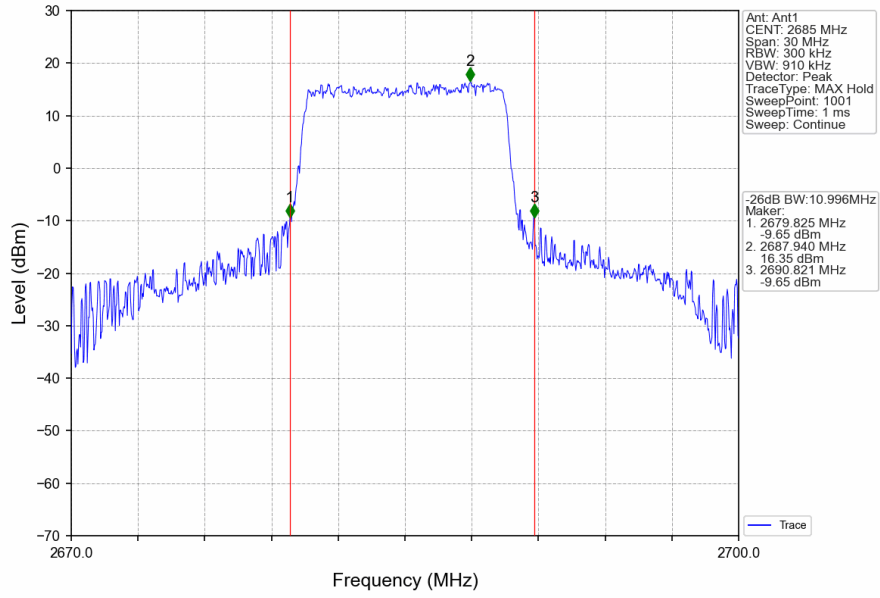
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



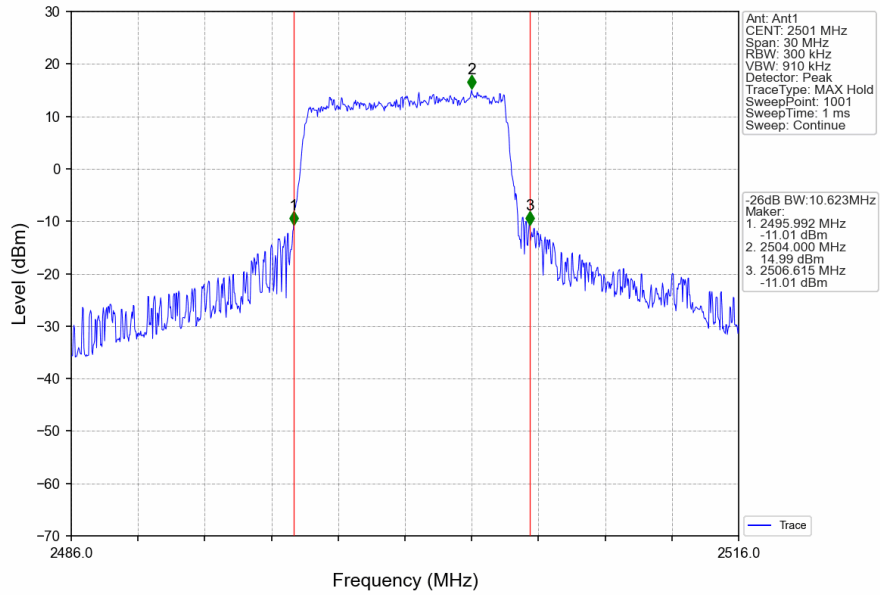
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



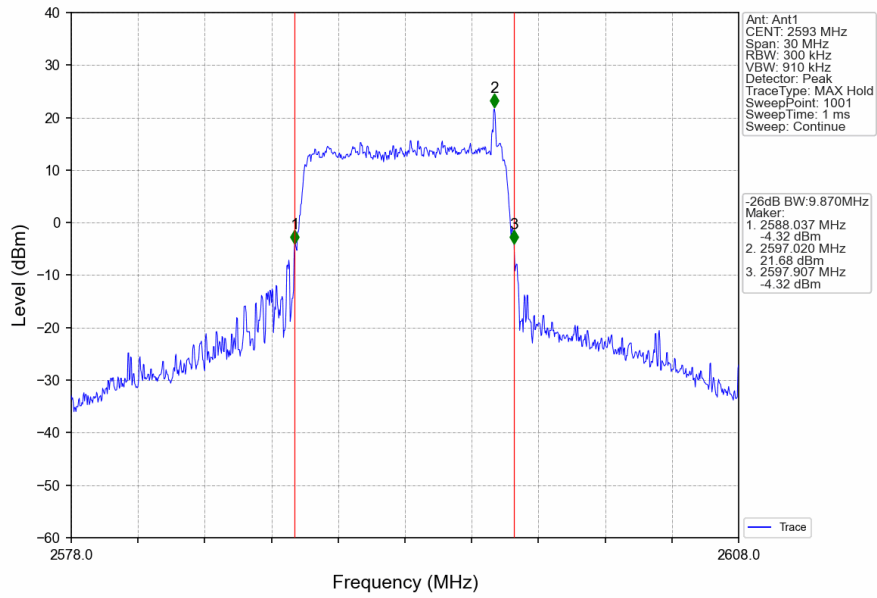
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



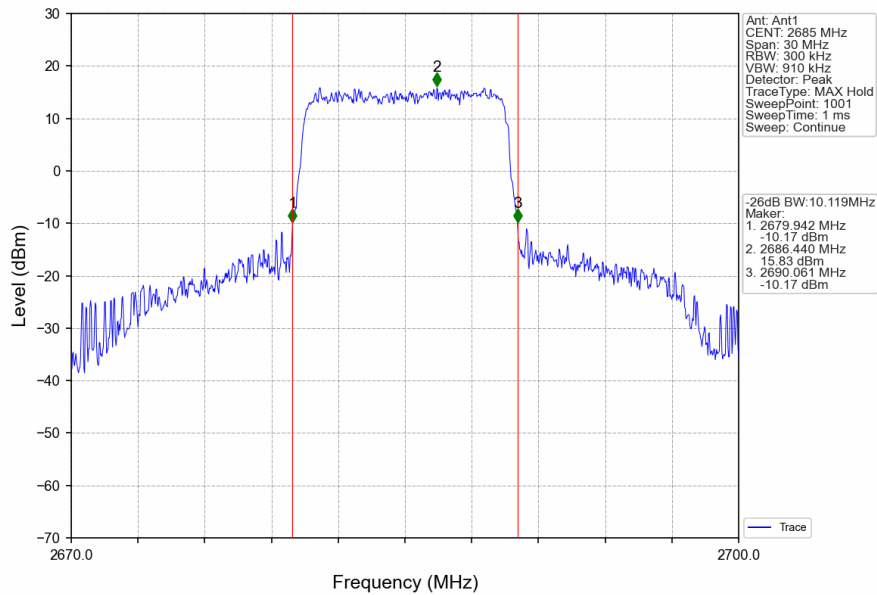
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



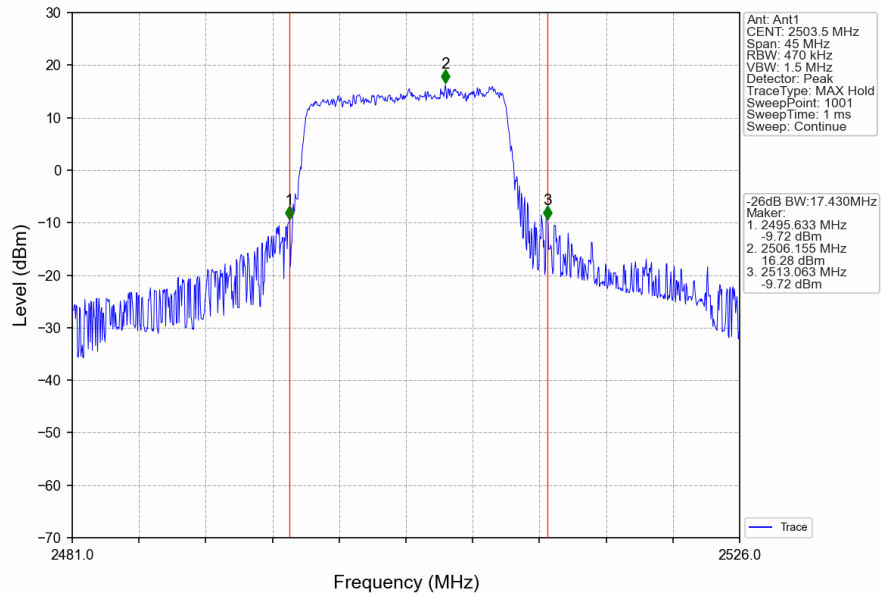
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



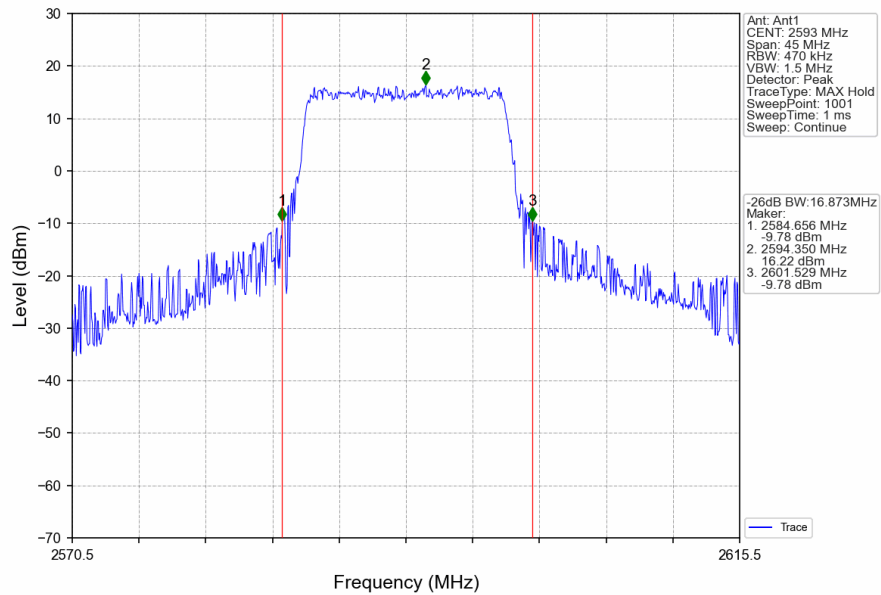
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



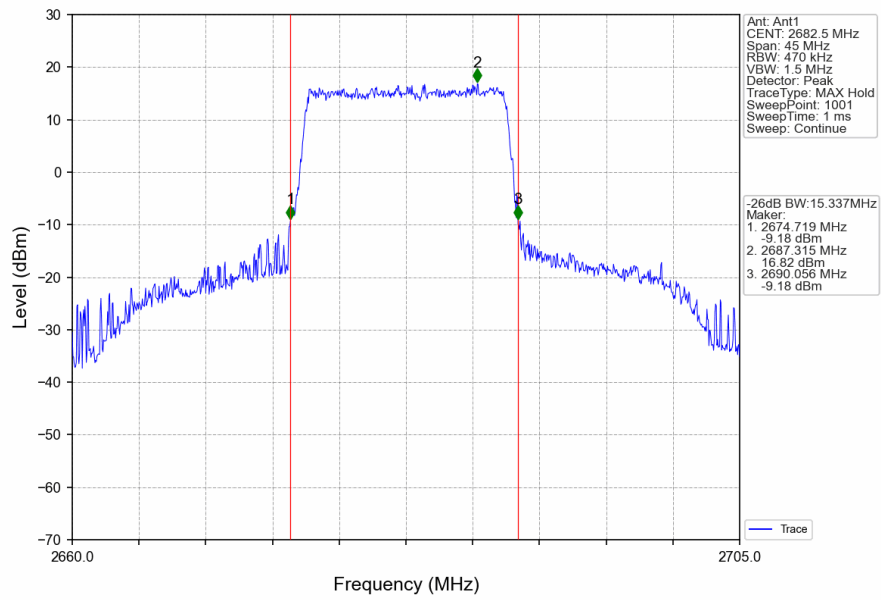
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



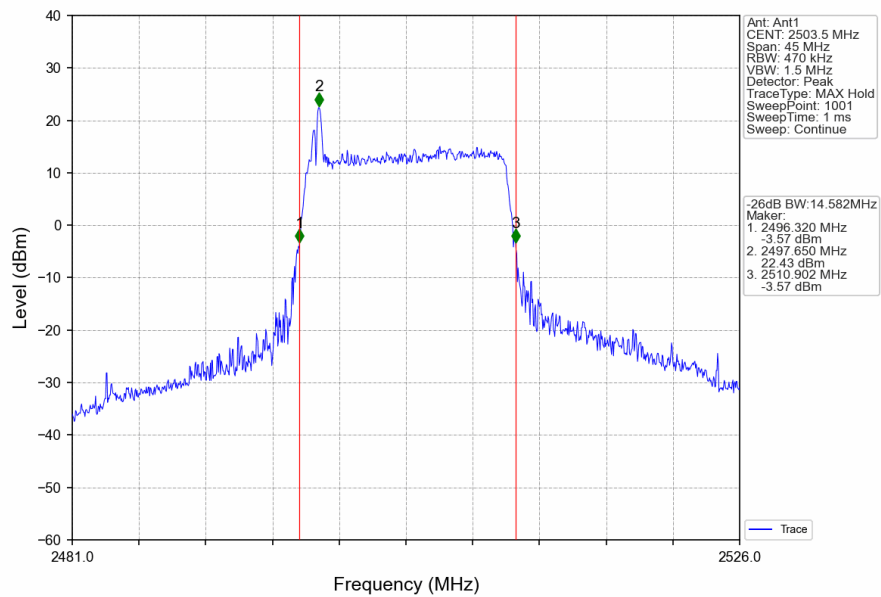
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



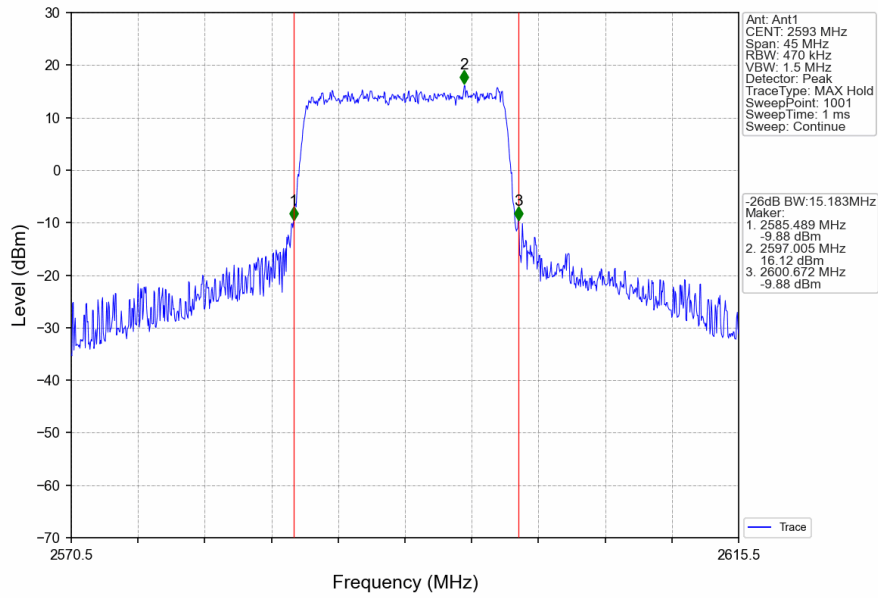
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



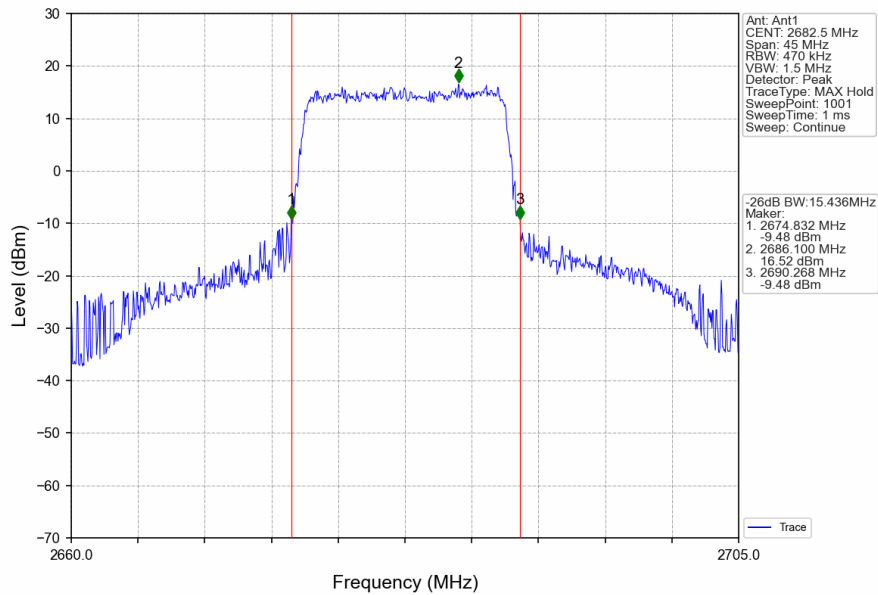
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



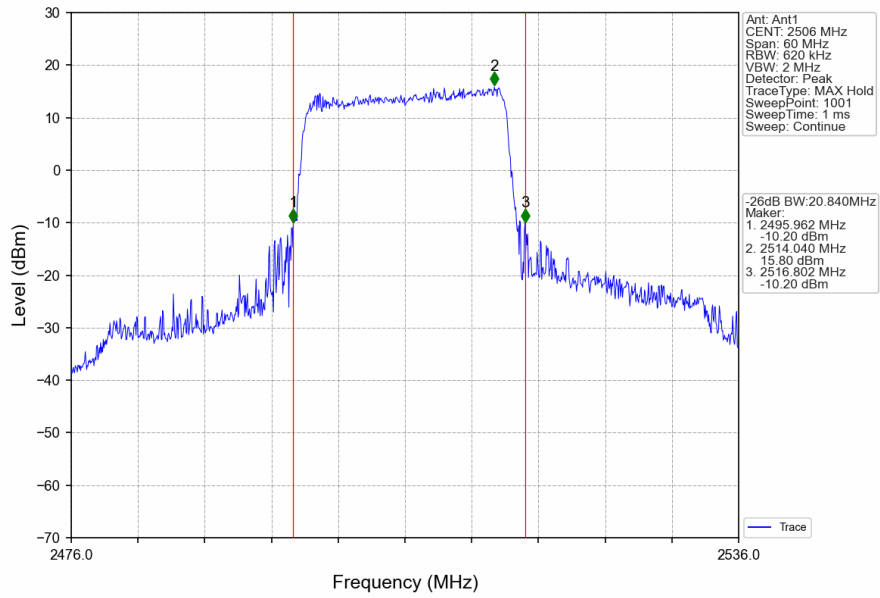
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



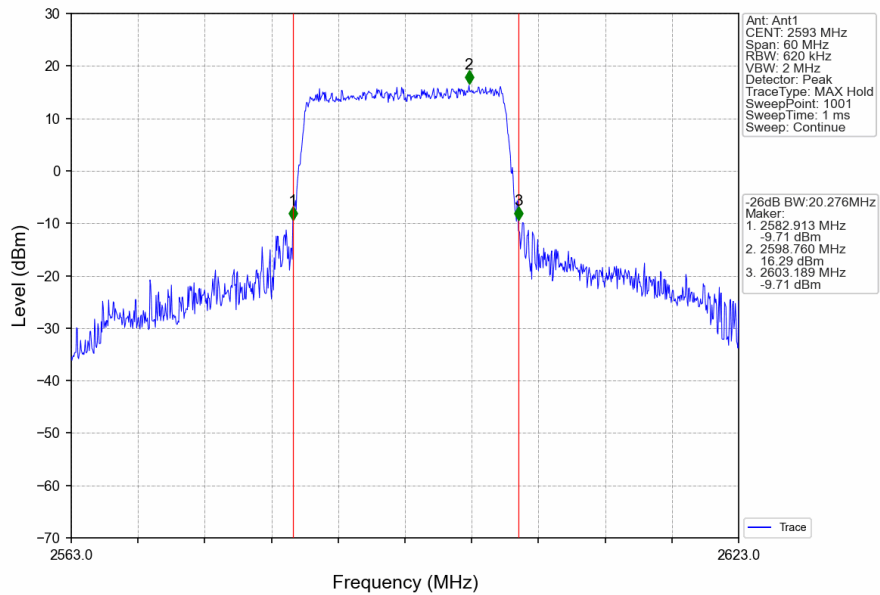
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



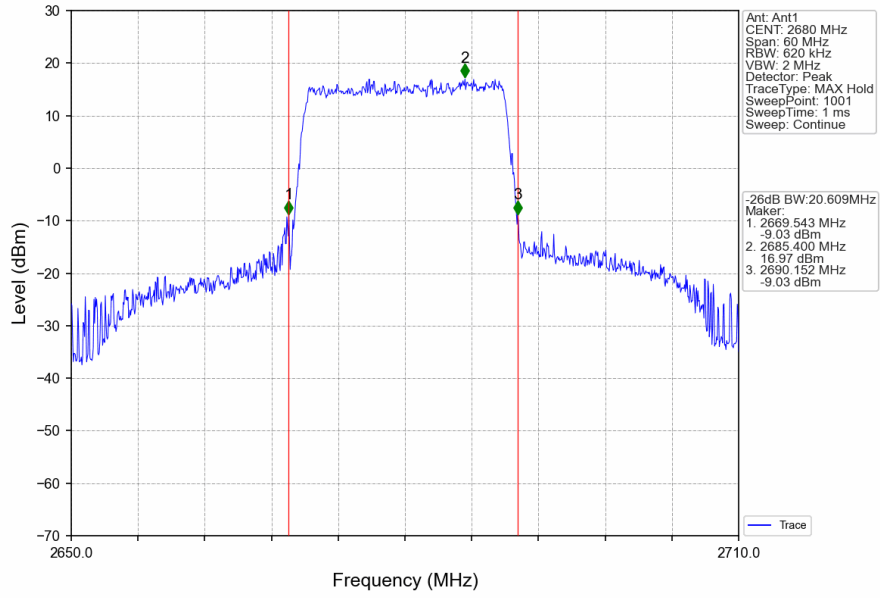
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



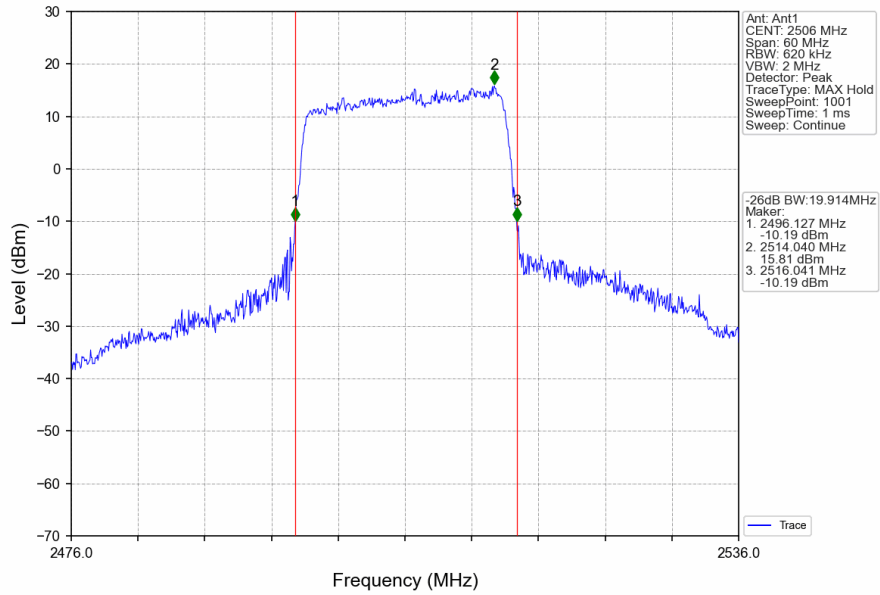
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



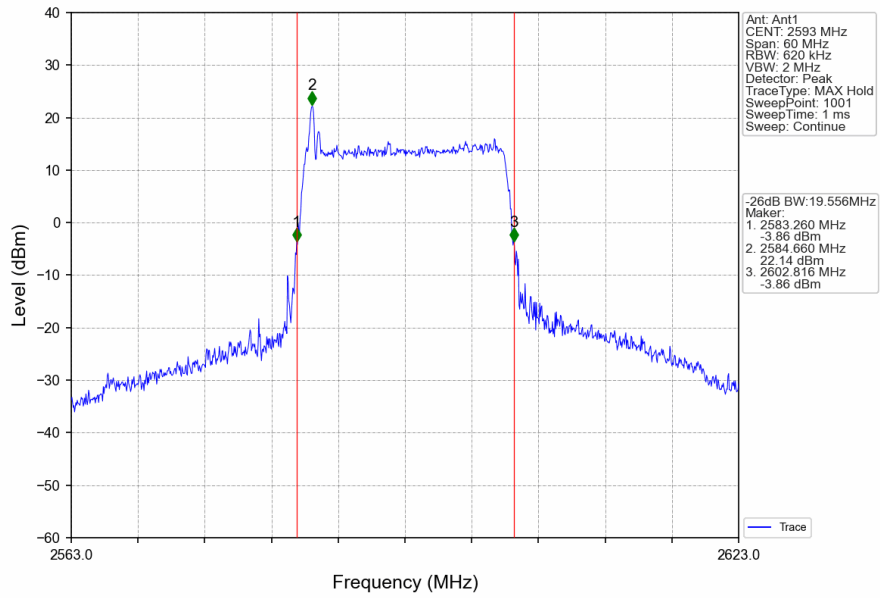
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



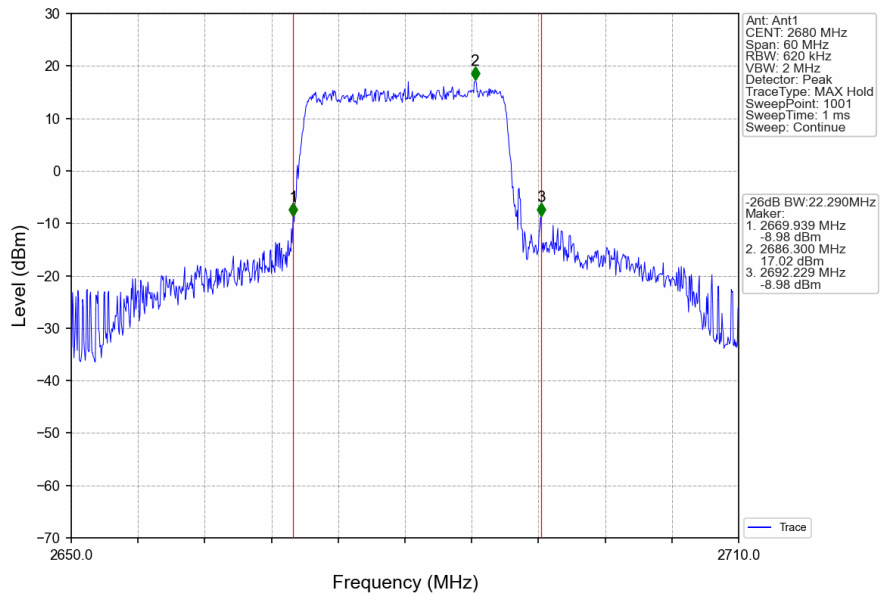
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



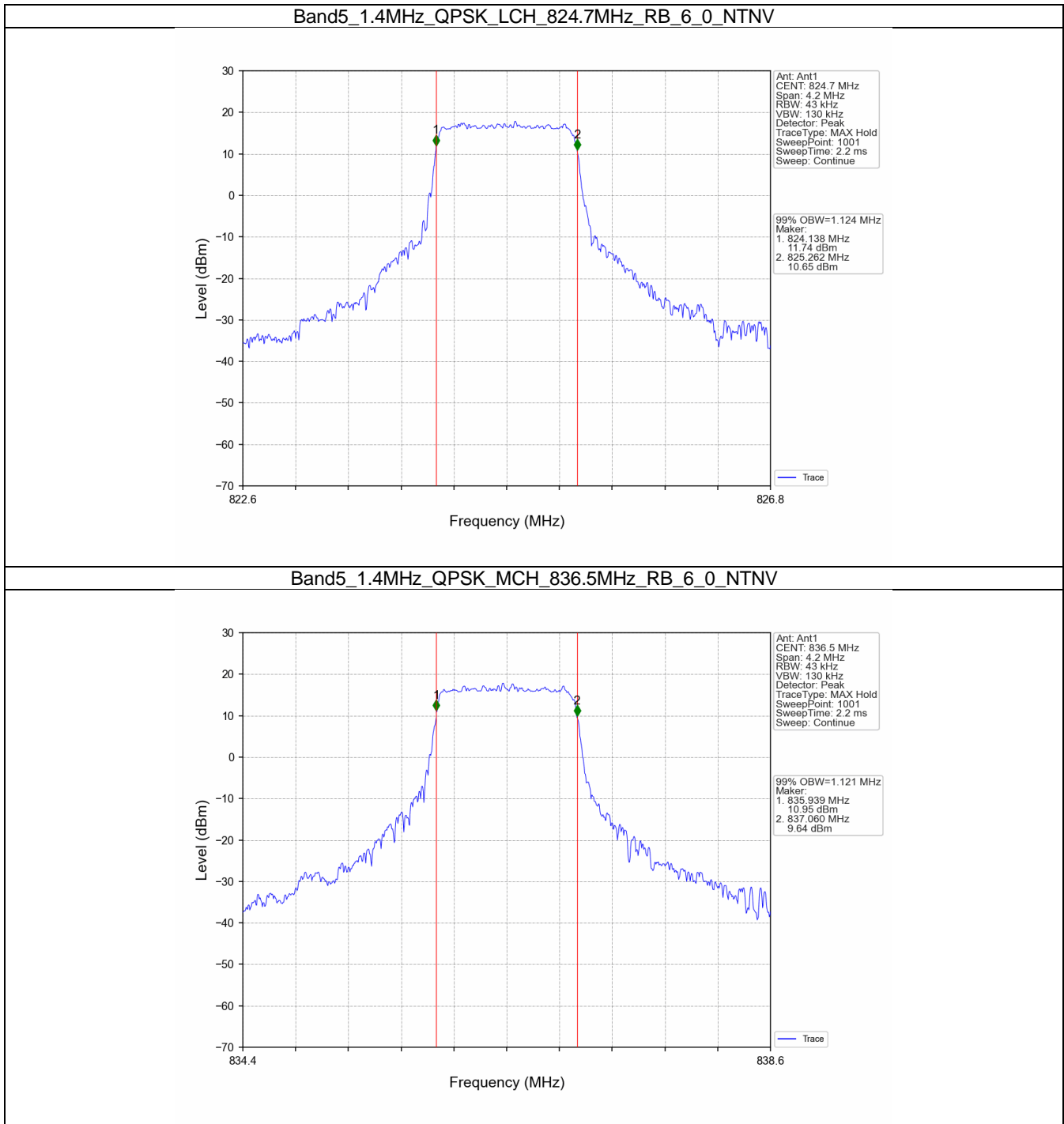
7. 99% & 26dB Bandwidth

7.1 Band5_OBW

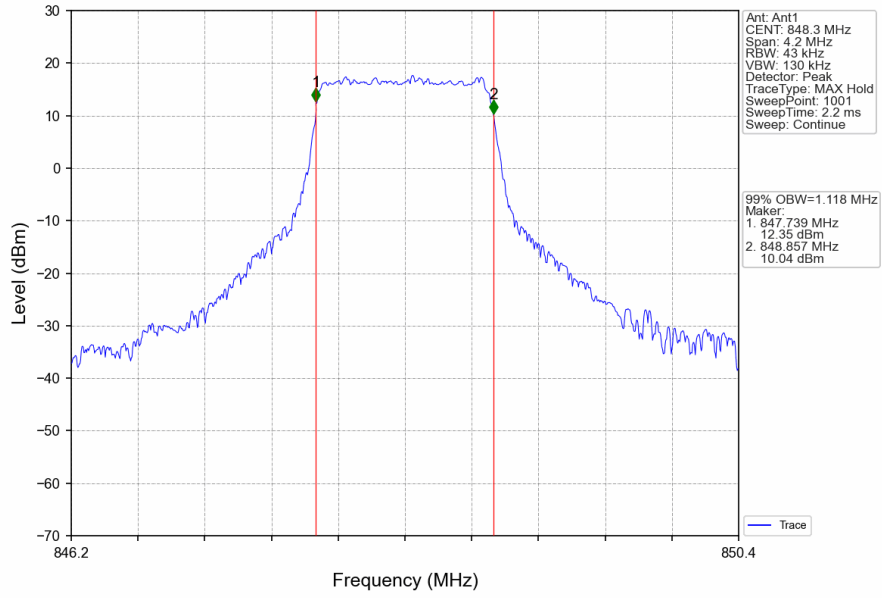
7.1.1 Test Result

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	1.124	Pass
		836.5	6	0	1.121	Pass
		848.3	6	0	1.118	Pass
	16QAM	824.7	6	0	1.120	Pass
		836.5	6	0	1.117	Pass
		848.3	6	0	1.116	Pass
3	QPSK	825.5	15	0	2.769	Pass
		836.5	15	0	2.746	Pass
		847.5	15	0	2.753	Pass
	16QAM	825.5	15	0	2.759	Pass
		836.5	15	0	2.752	Pass
		847.5	15	0	2.772	Pass
5	QPSK	826.5	25	0	4.568	Pass
		836.5	25	0	4.569	Pass
		846.5	25	0	4.595	Pass
	16QAM	826.5	25	0	4.614	Pass
		836.5	25	0	4.601	Pass
		846.5	25	0	4.559	Pass
10	QPSK	829	50	0	9.075	Pass
		836.5	50	0	9.089	Pass
		844	50	0	9.078	Pass
	16QAM	829	50	0	9.061	Pass
		836.5	50	0	9.088	Pass
		844	50	0	9.085	Pass

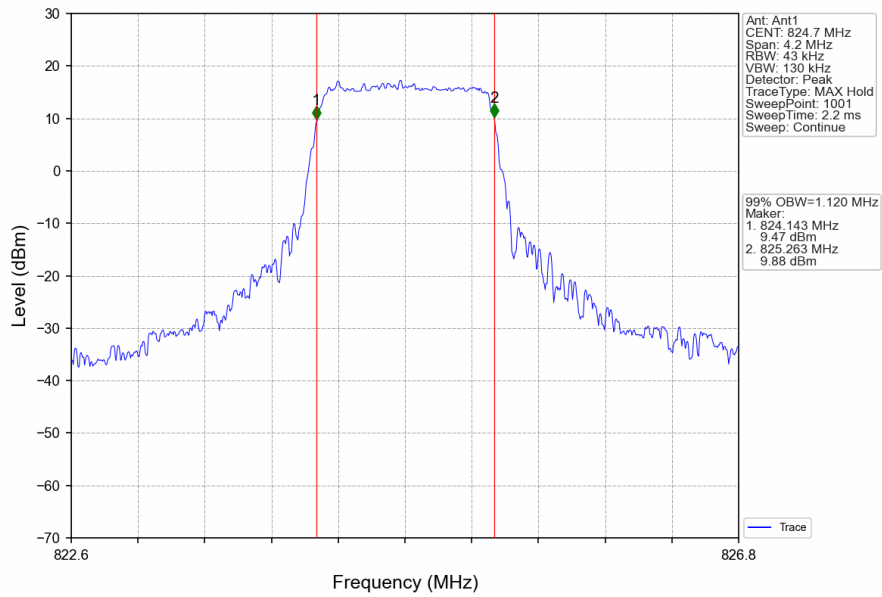
7.1.2 Test Graph



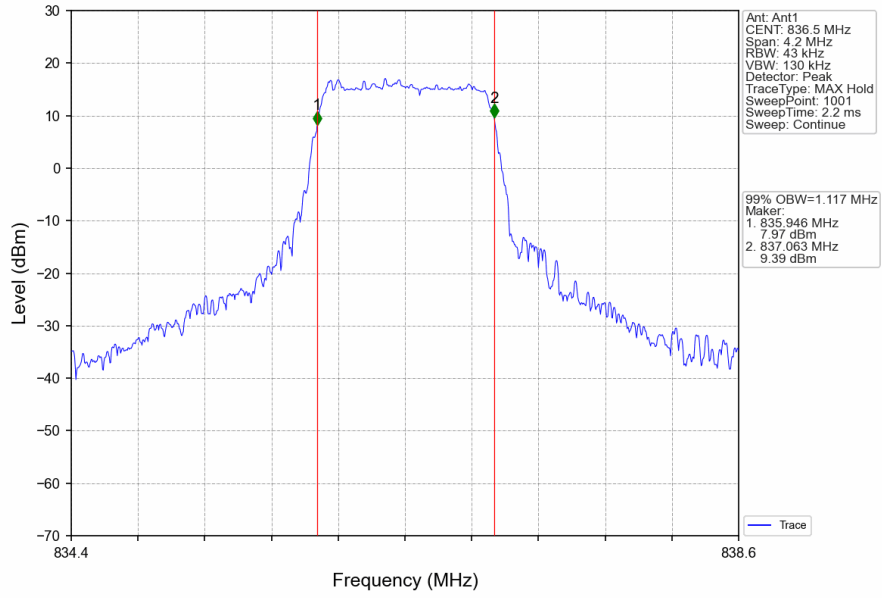
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



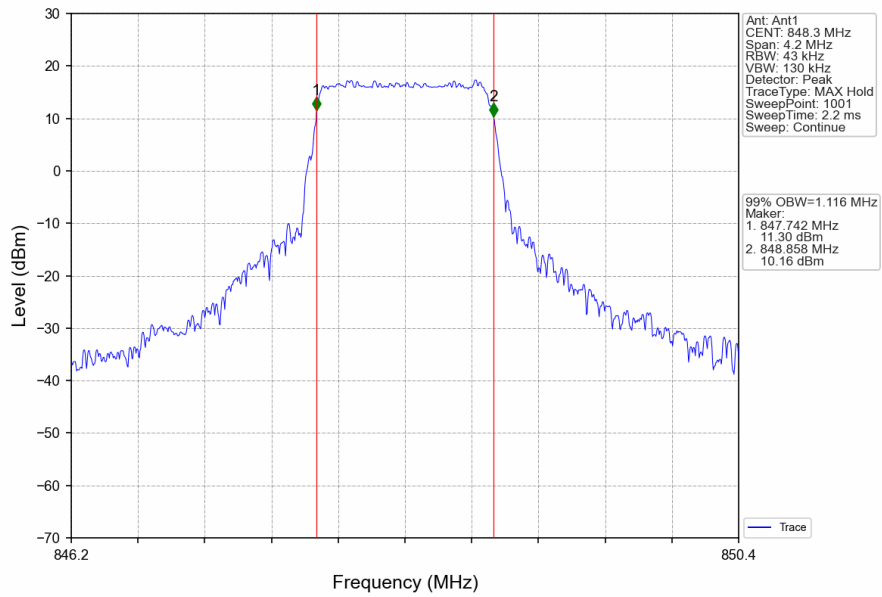
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



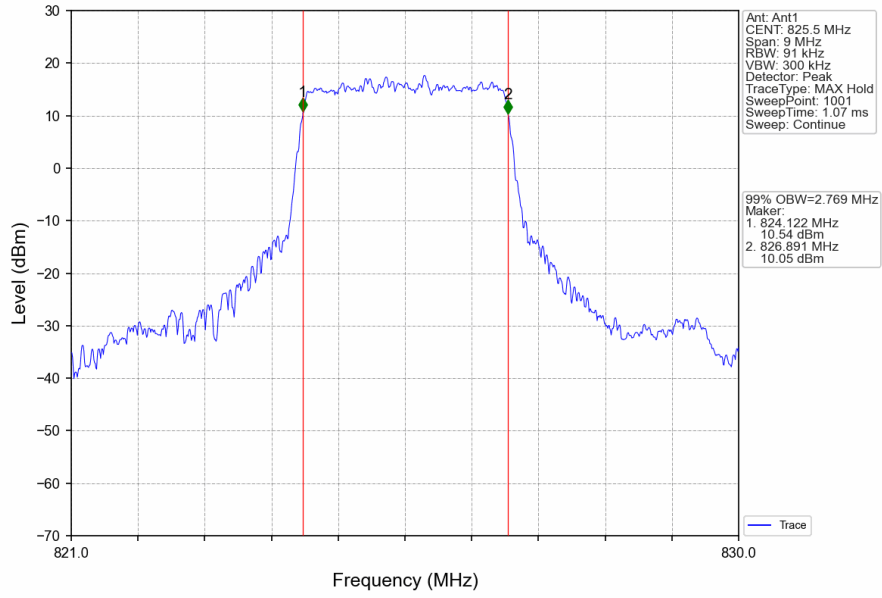
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



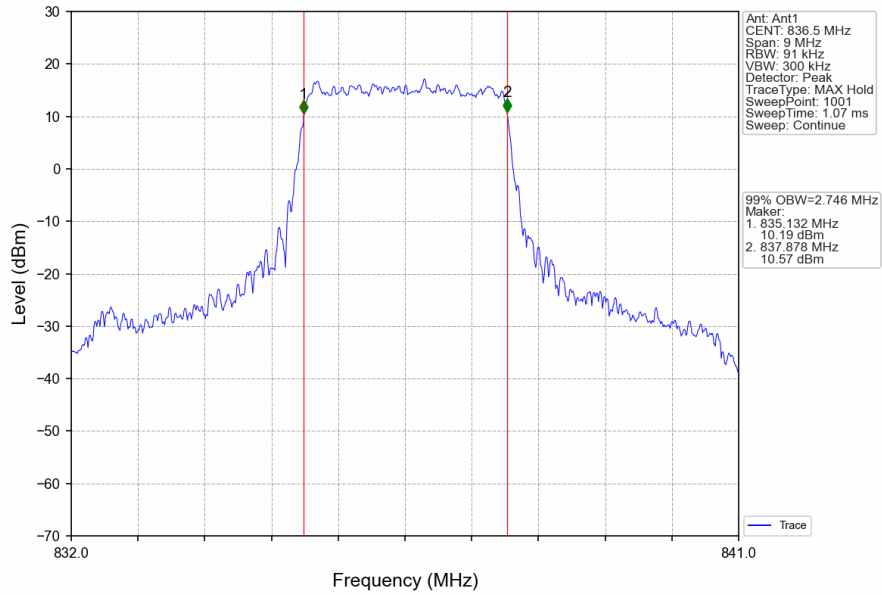
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



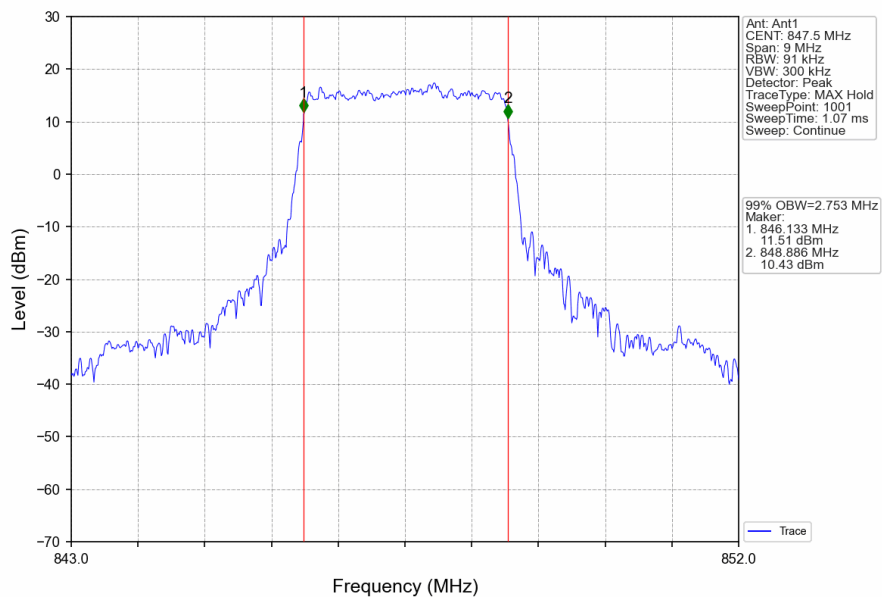
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



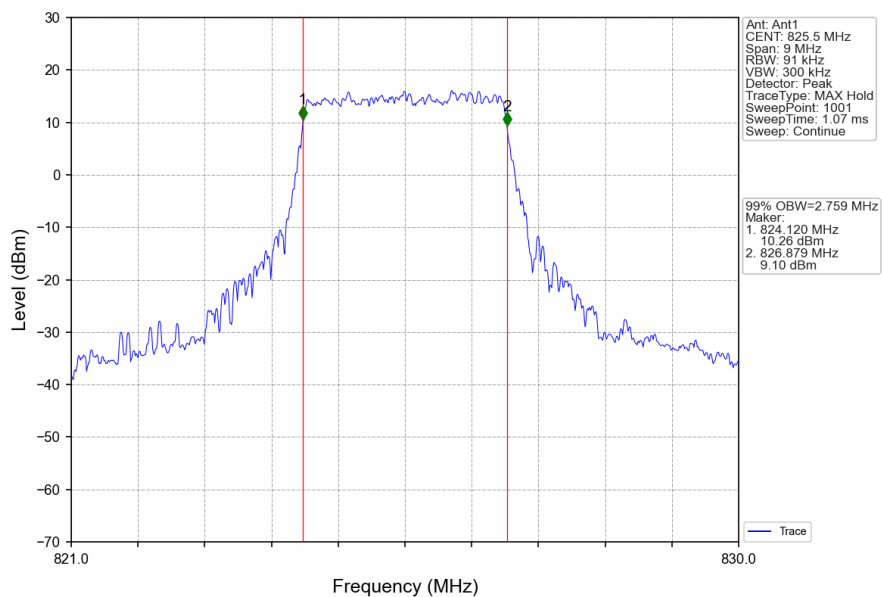
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



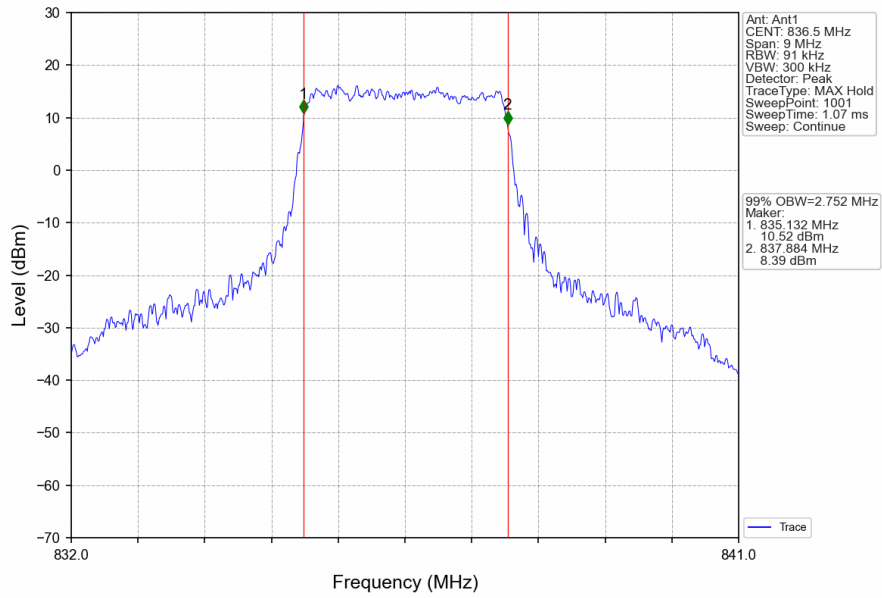
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



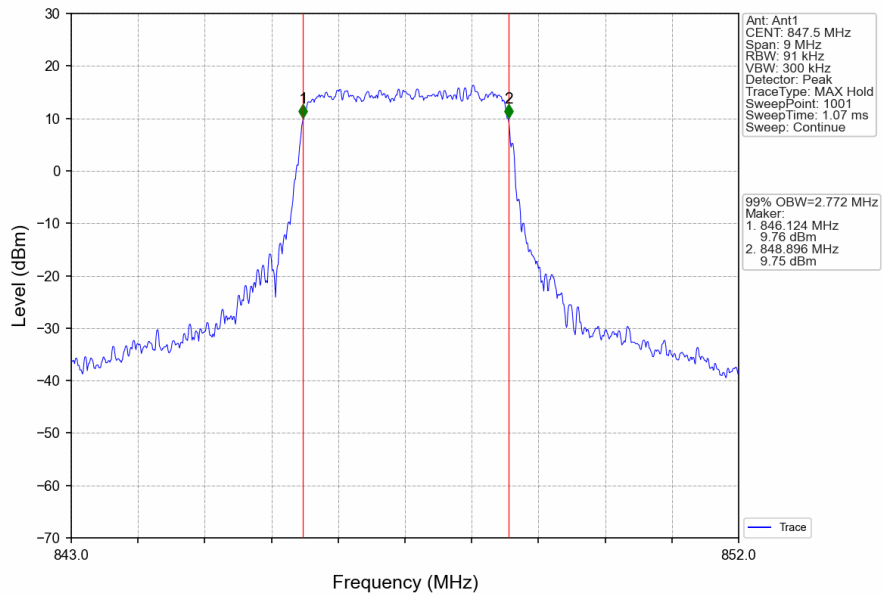
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



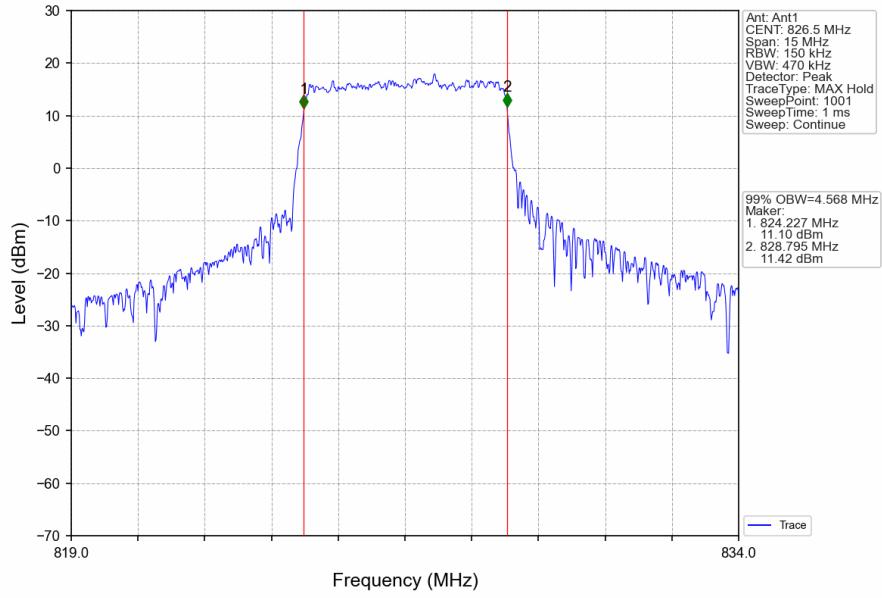
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



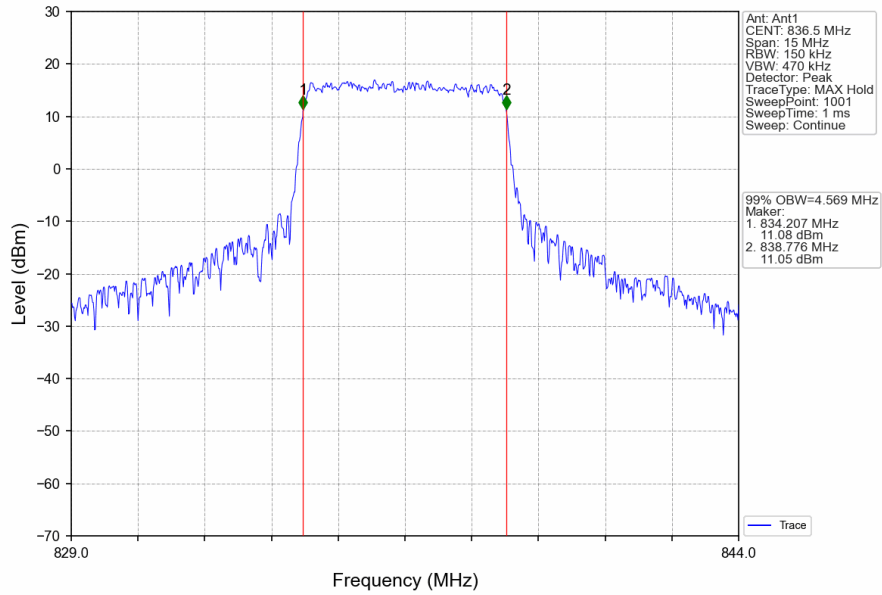
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



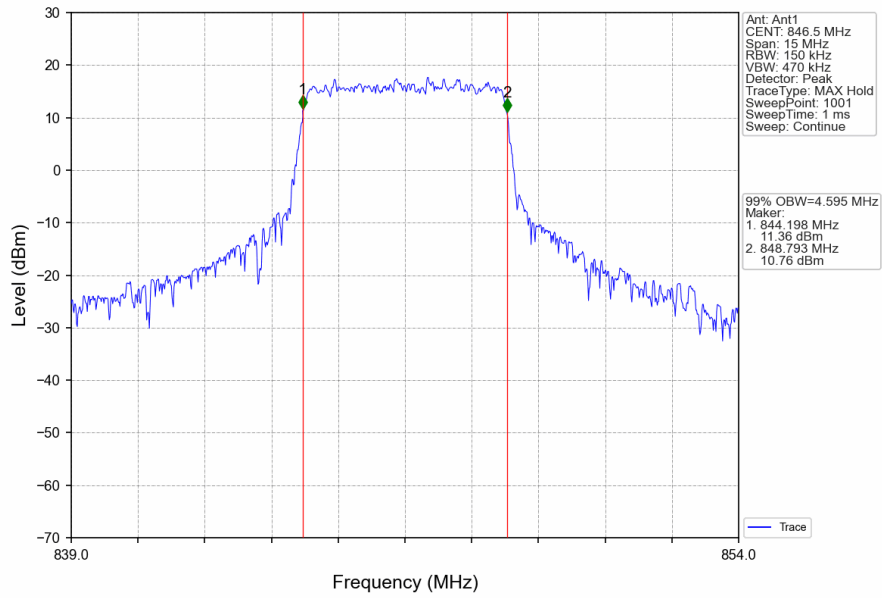
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



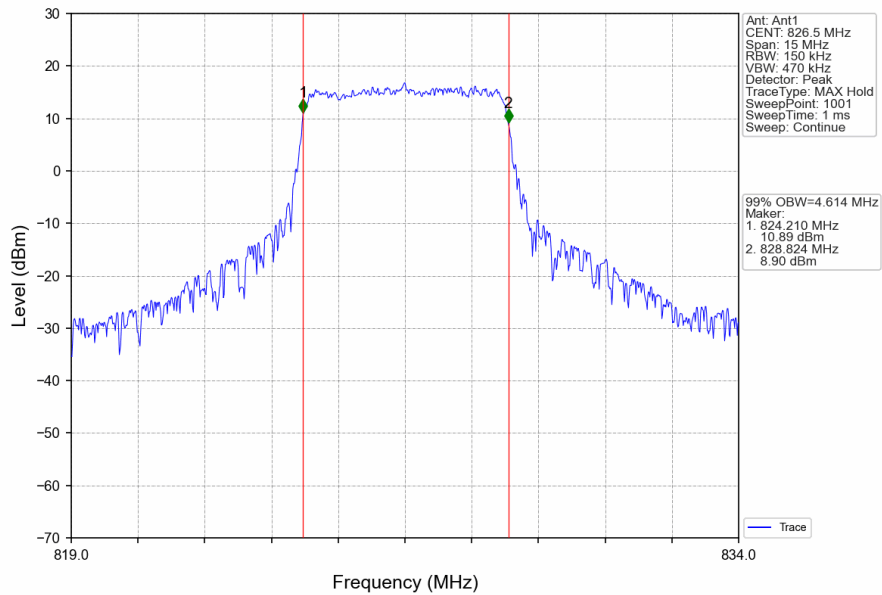
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



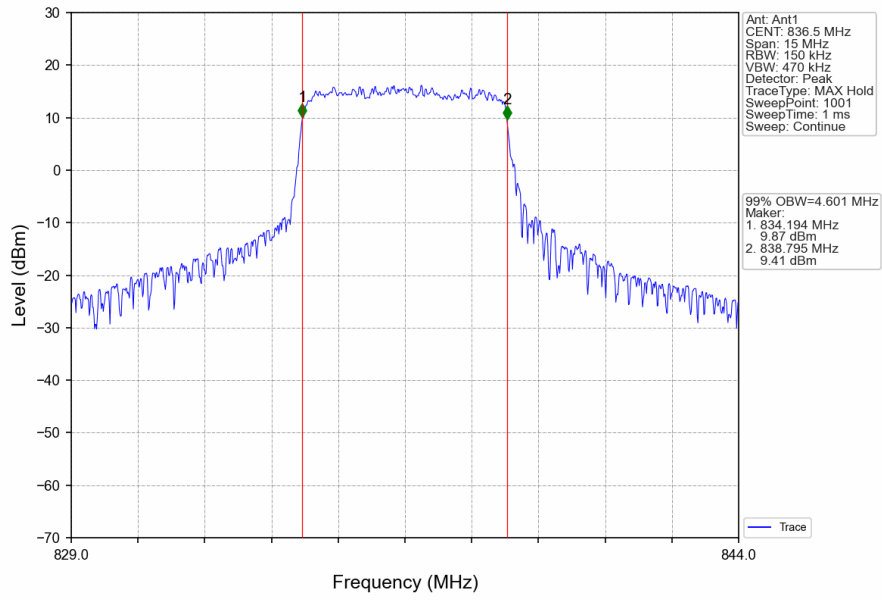
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



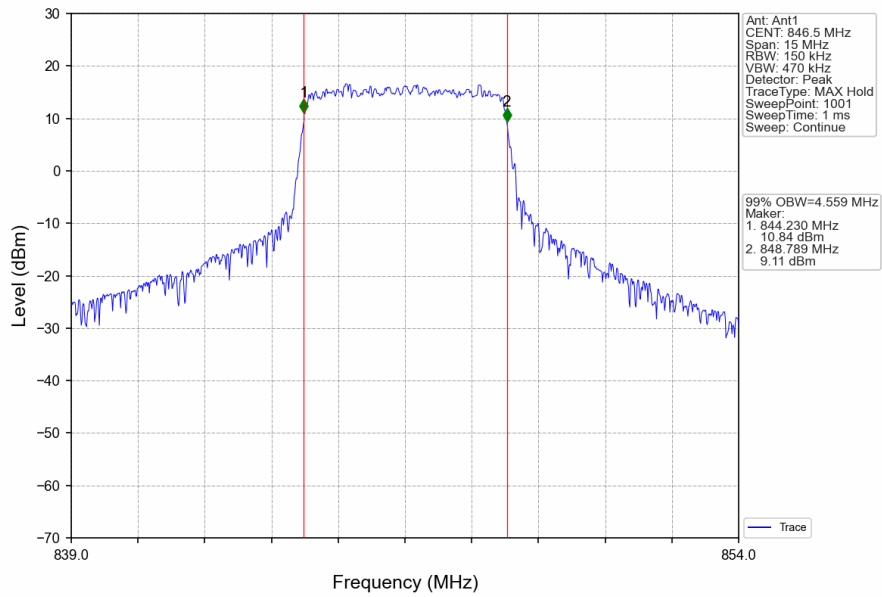
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



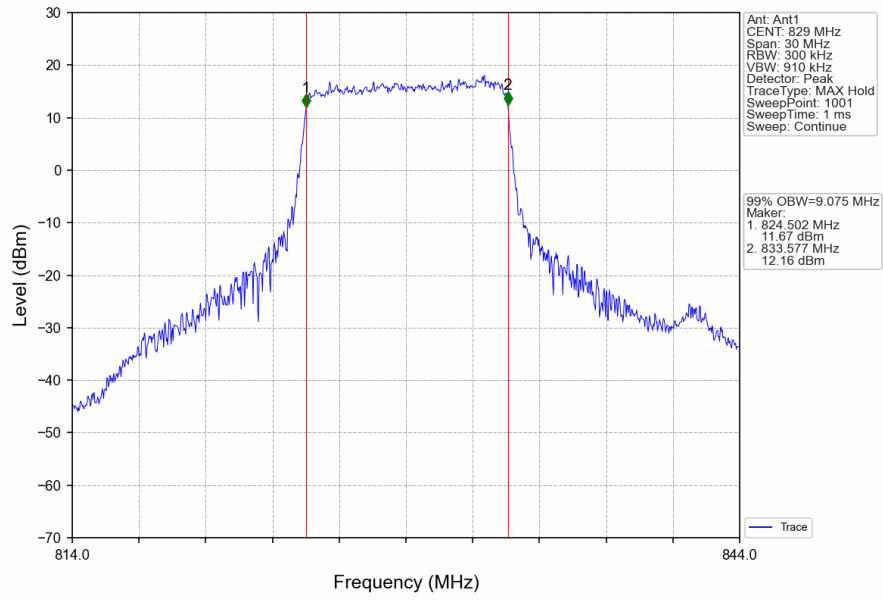
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



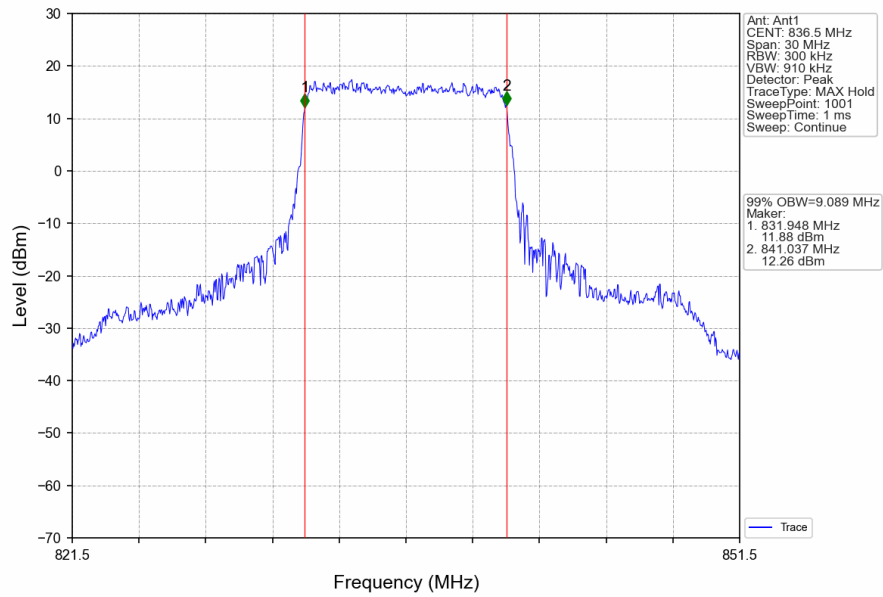
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



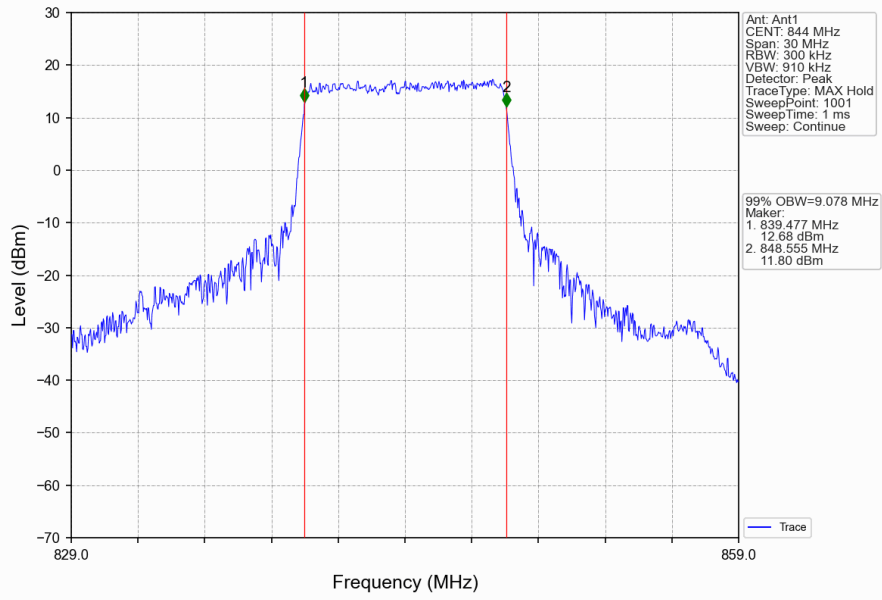
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



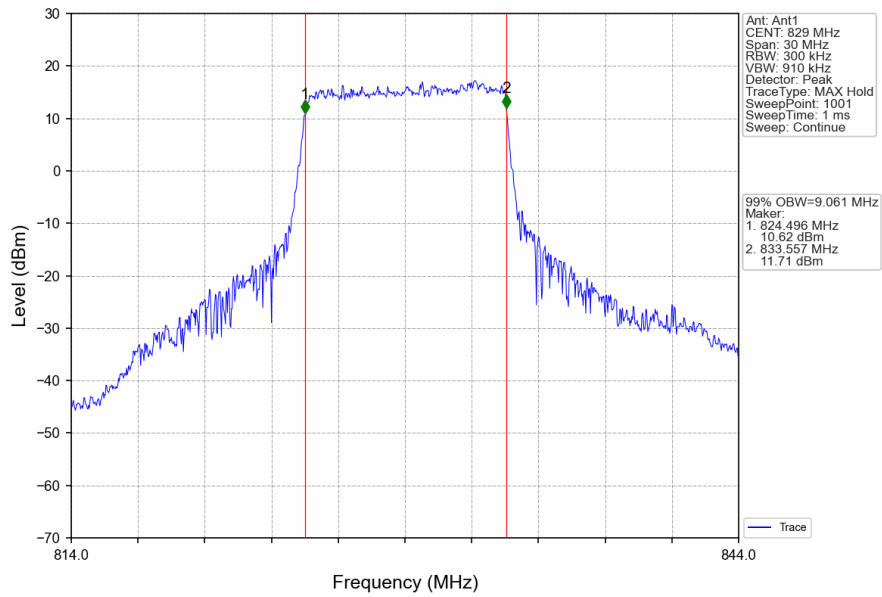
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



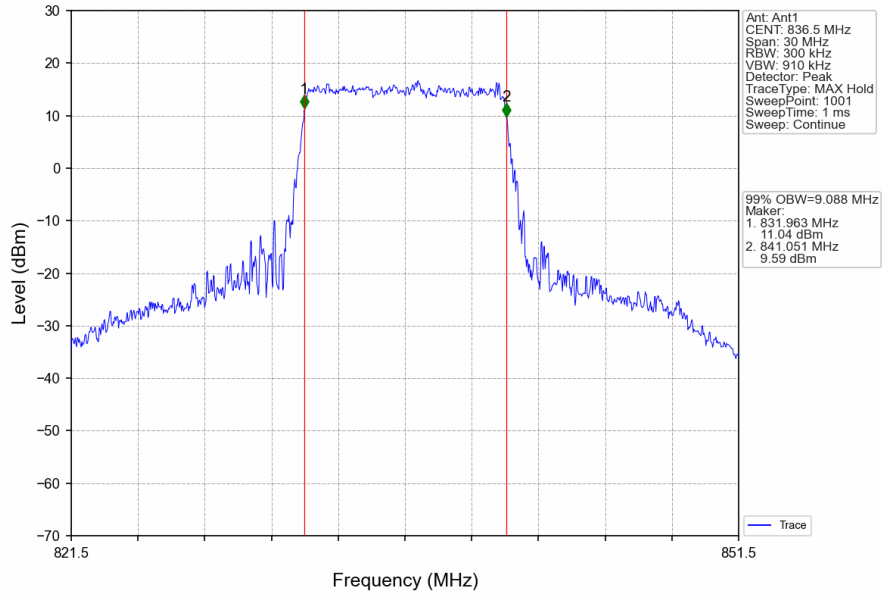
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



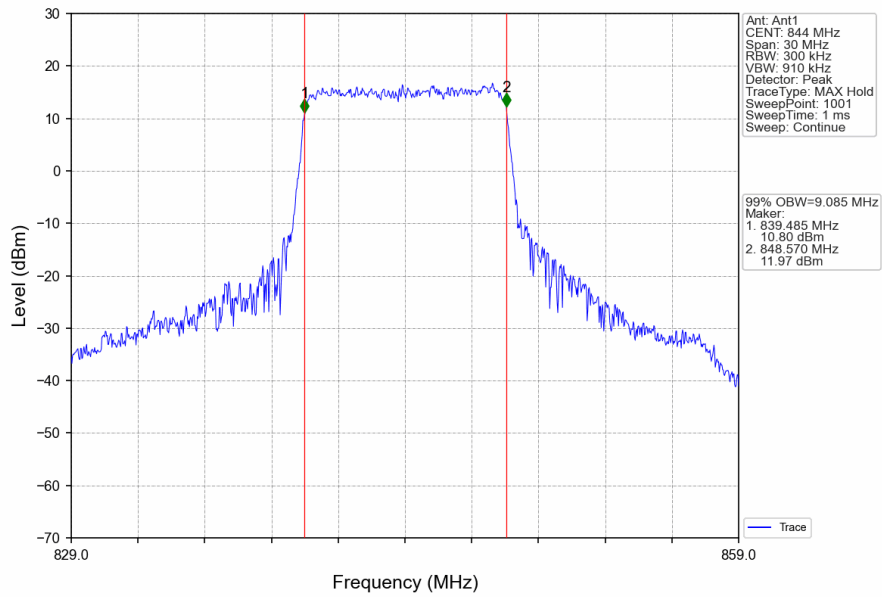
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



7.2 Band5_XDB

7.2.1 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	1.340	Pass
		836.5	6	0	1.348	Pass
		848.3	6	0	1.360	Pass
	16QAM	824.7	6	0	1.315	Pass
		836.5	6	0	1.329	Pass
		848.3	6	0	1.311	Pass
3	QPSK	825.5	15	0	3.116	Pass
		836.5	15	0	3.143	Pass
		847.5	15	0	3.136	Pass
	16QAM	825.5	15	0	3.252	Pass
		836.5	15	0	3.242	Pass
		847.5	15	0	3.107	Pass
5	QPSK	826.5	25	0	5.702	Pass
		836.5	25	0	5.545	Pass
		846.5	25	0	5.609	Pass
	16QAM	826.5	25	0	5.431	Pass
		836.5	25	0	5.808	Pass
		846.5	25	0	5.613	Pass
10	QPSK	829	50	0	10.362	Pass
		836.5	50	0	10.633	Pass
		844	50	0	10.419	Pass
	16QAM	829	50	0	10.386	Pass
		836.5	50	0	10.592	Pass
		844	50	0	10.212	Pass

7.2.2 Test Graph

