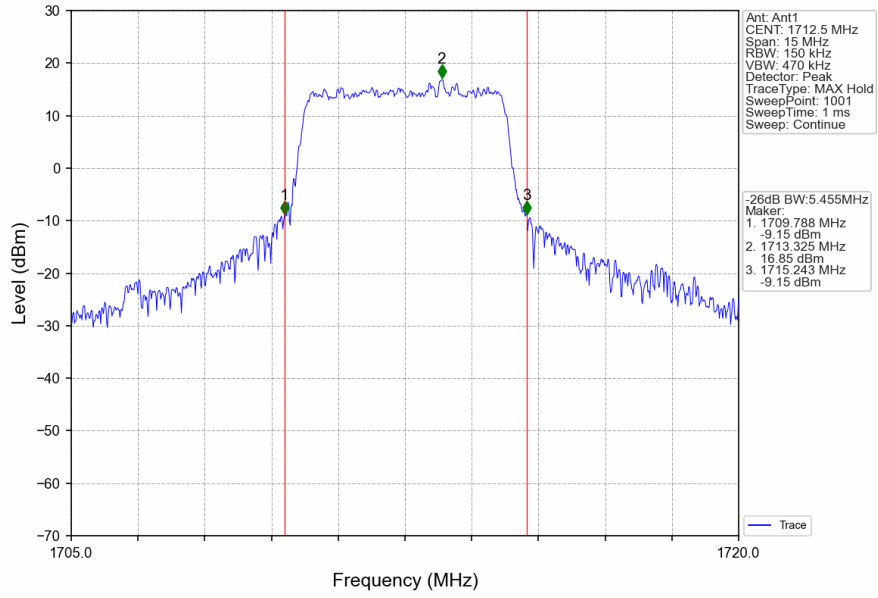
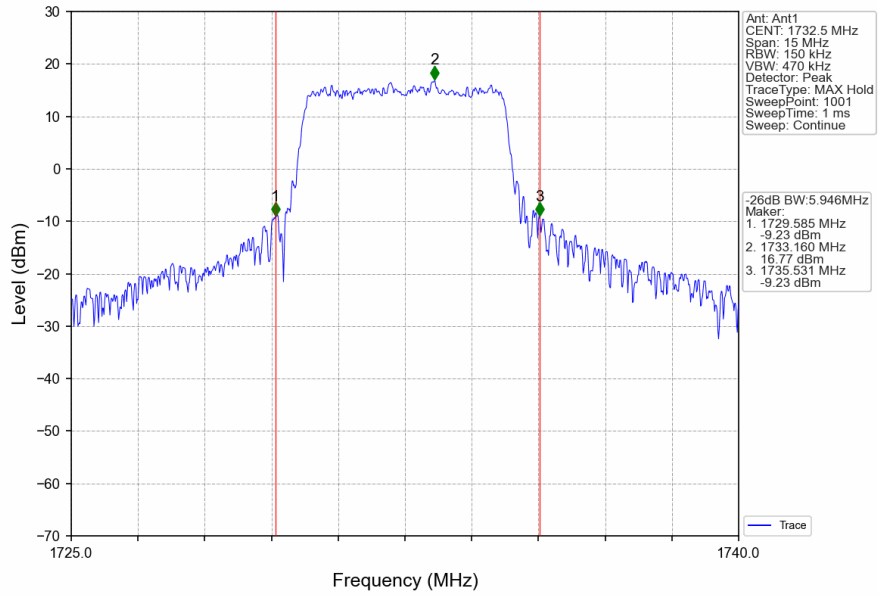


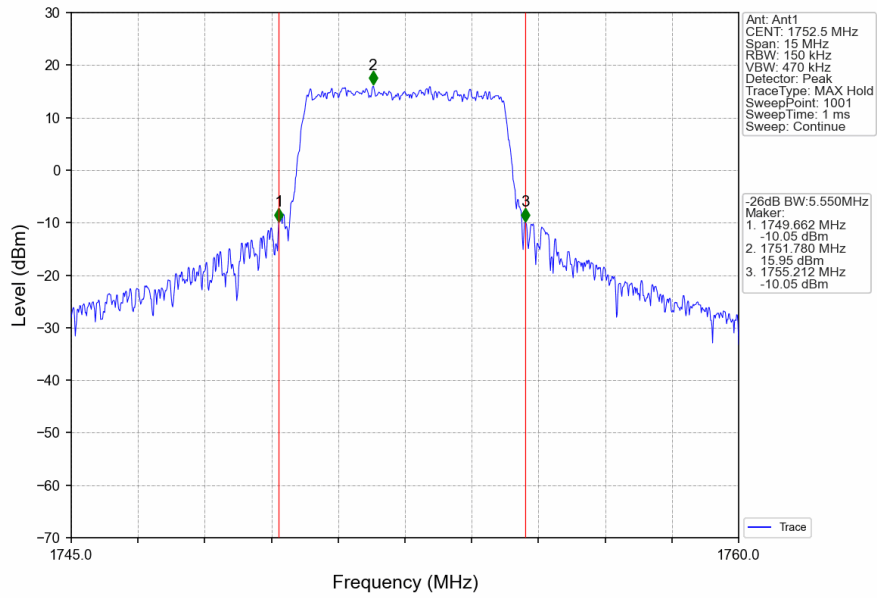
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



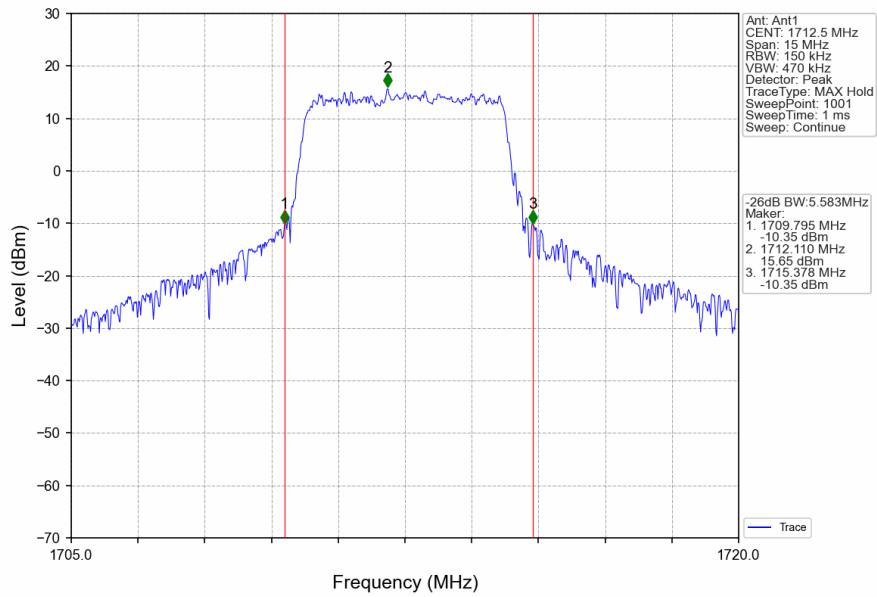
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



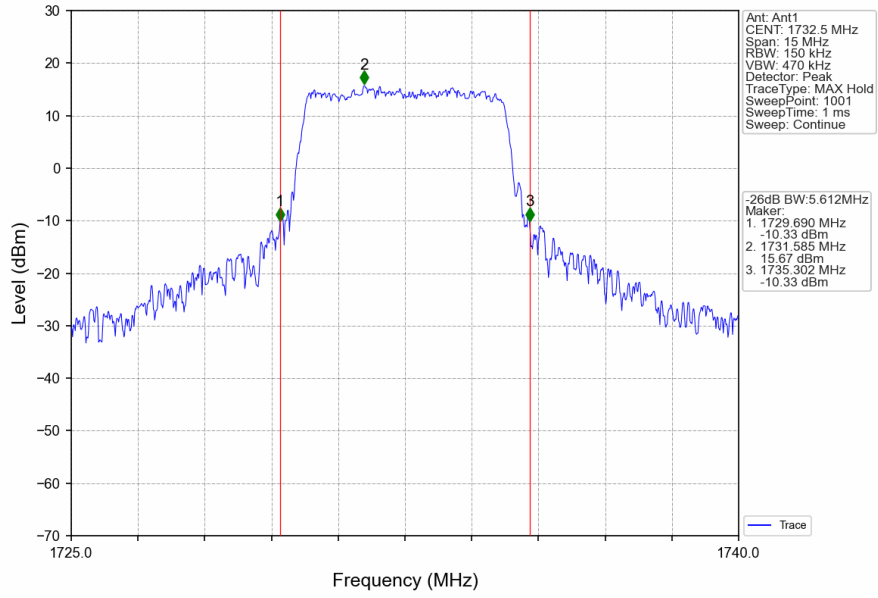
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



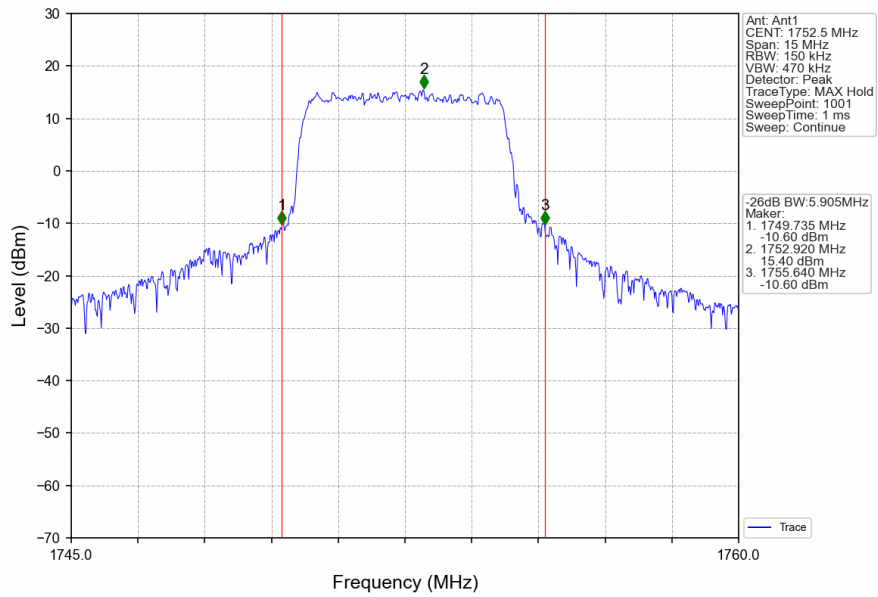
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



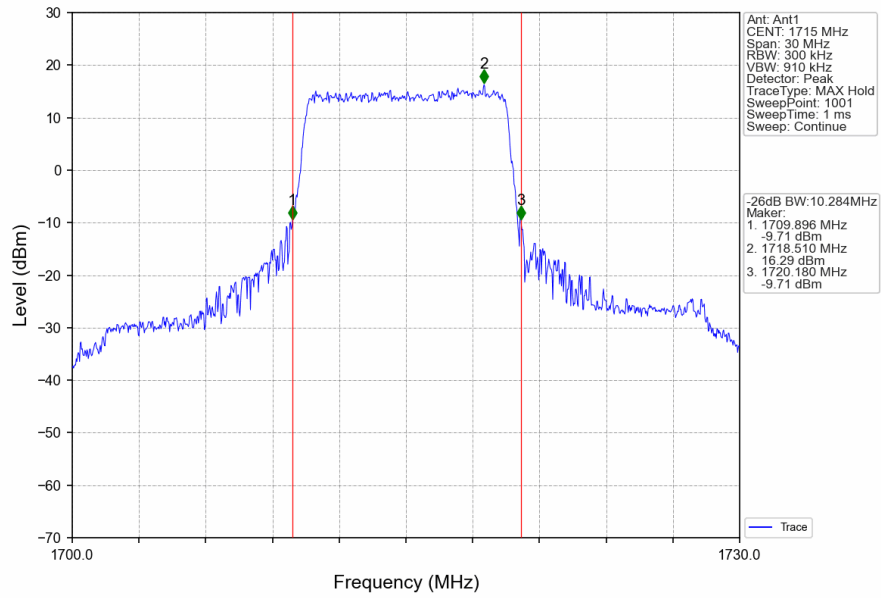
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



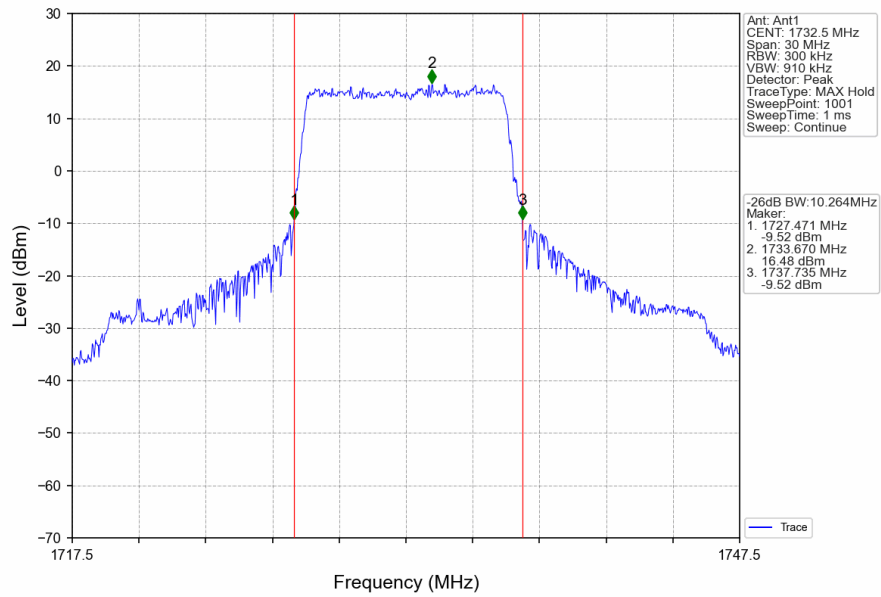
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



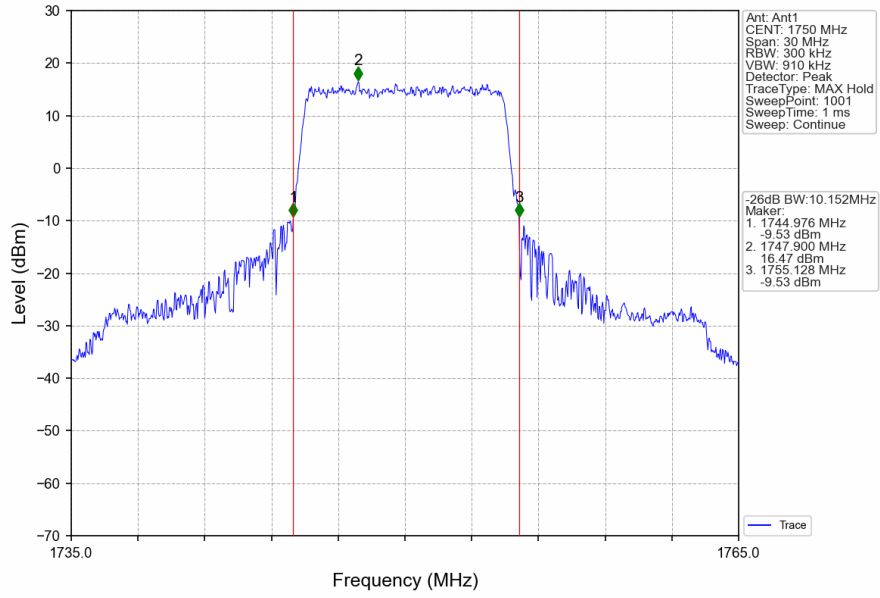
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



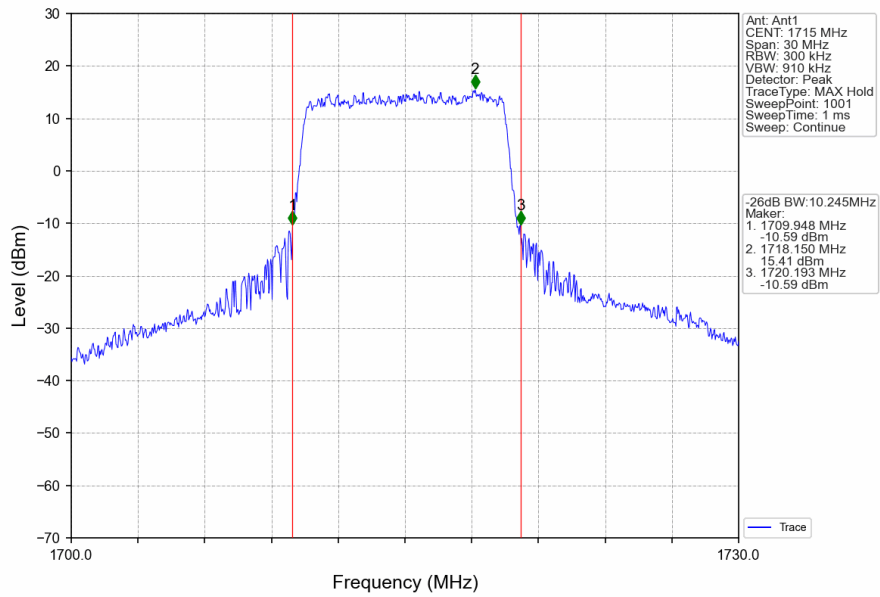
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



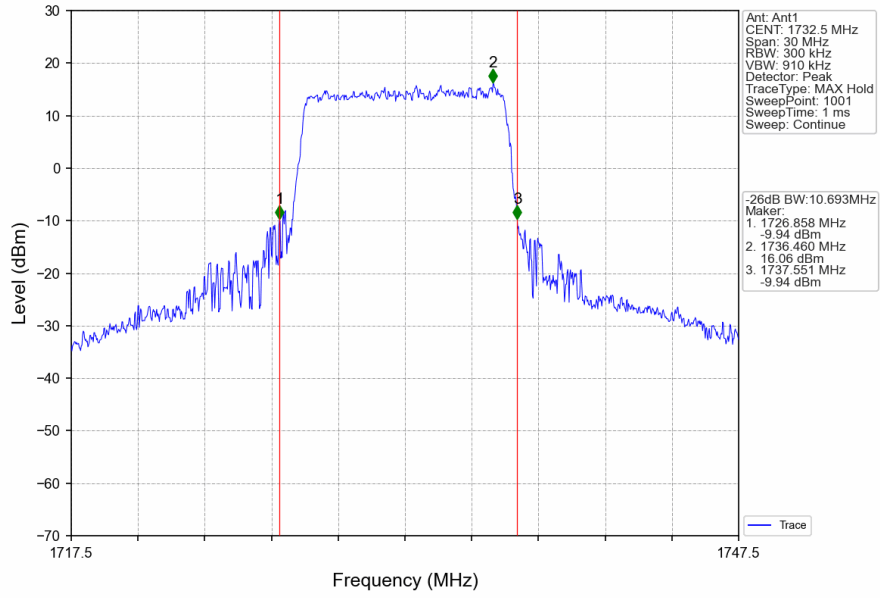
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



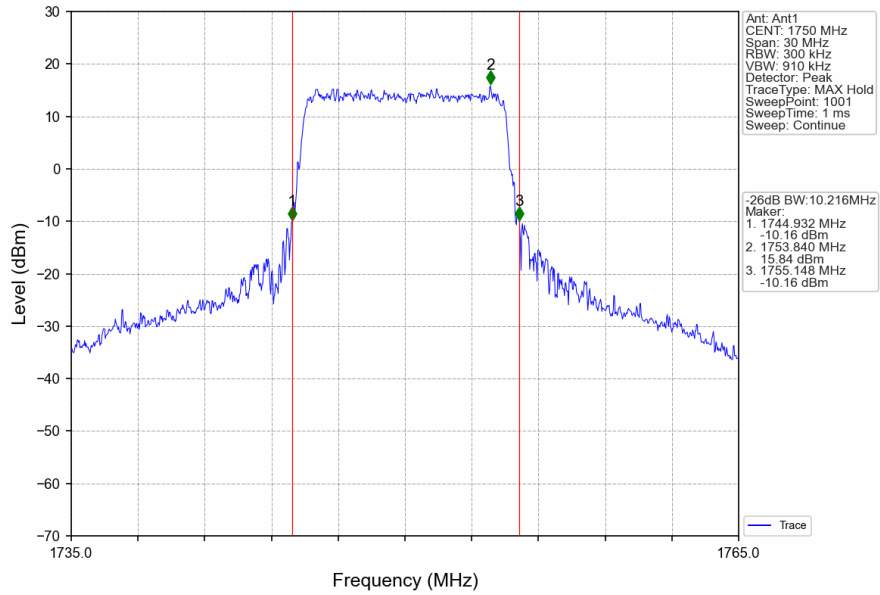
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



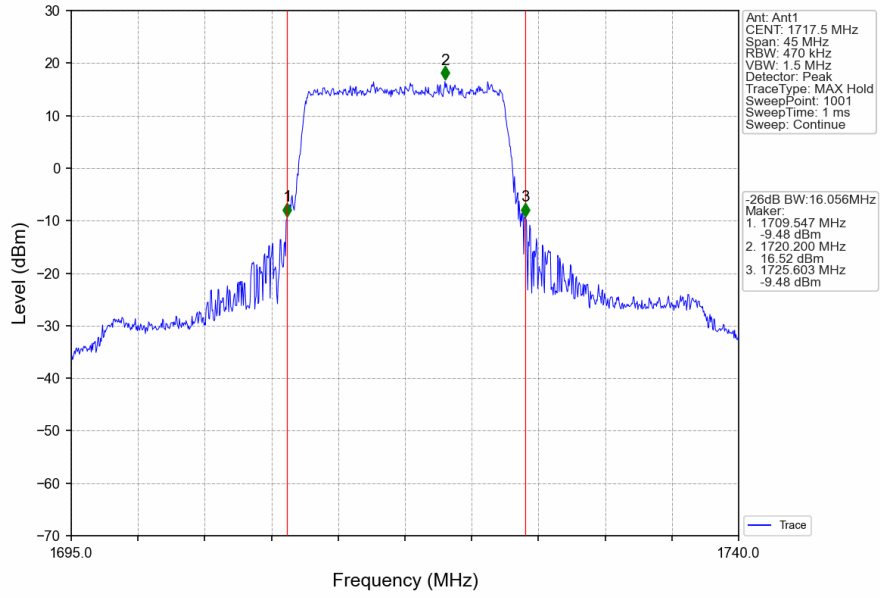
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



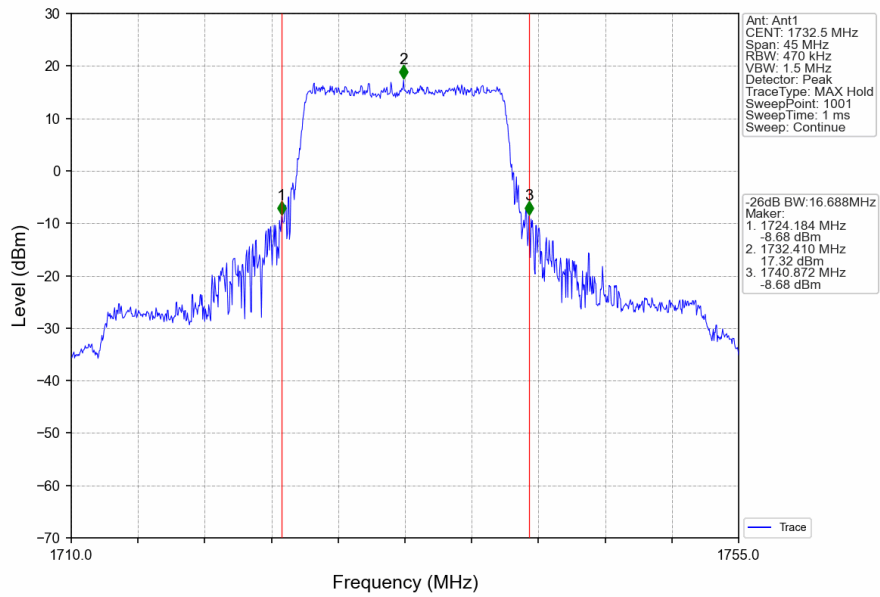
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



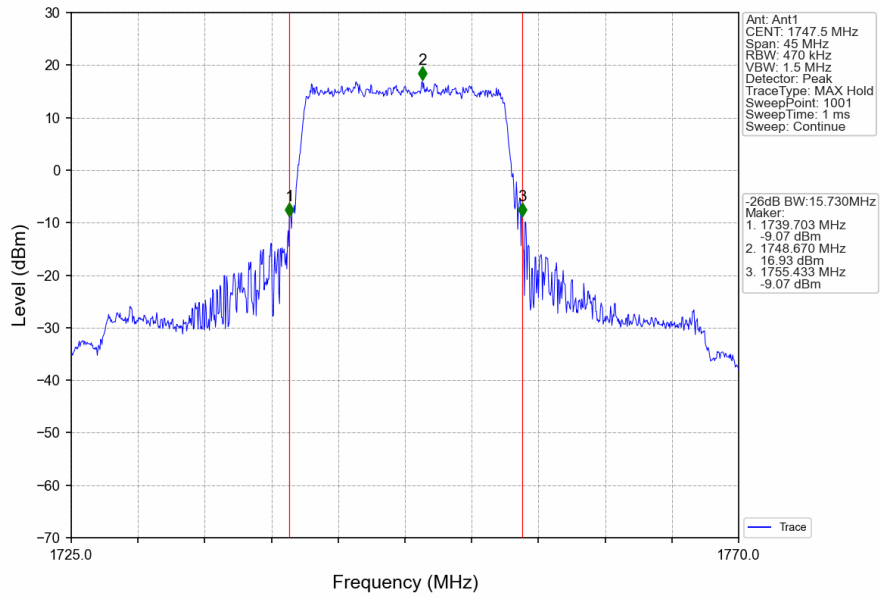
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



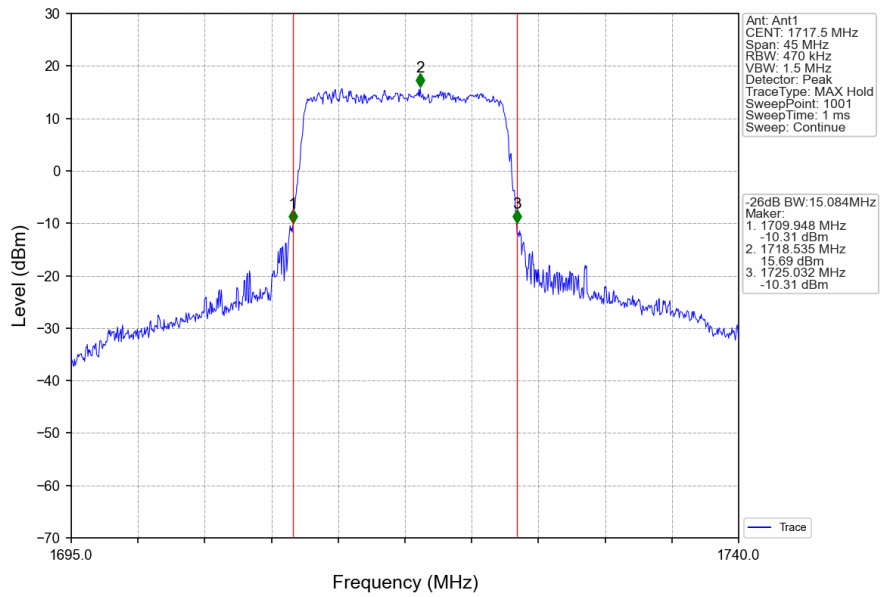
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



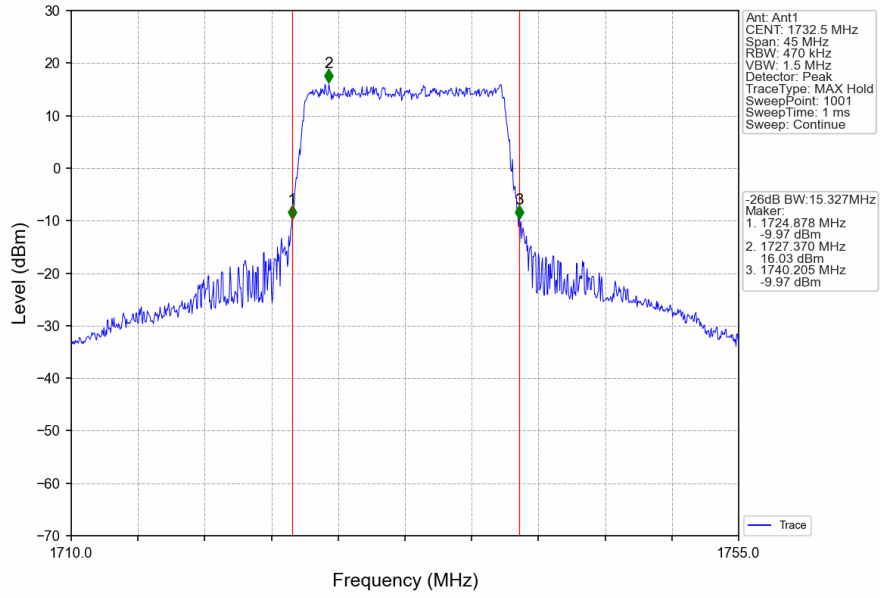
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



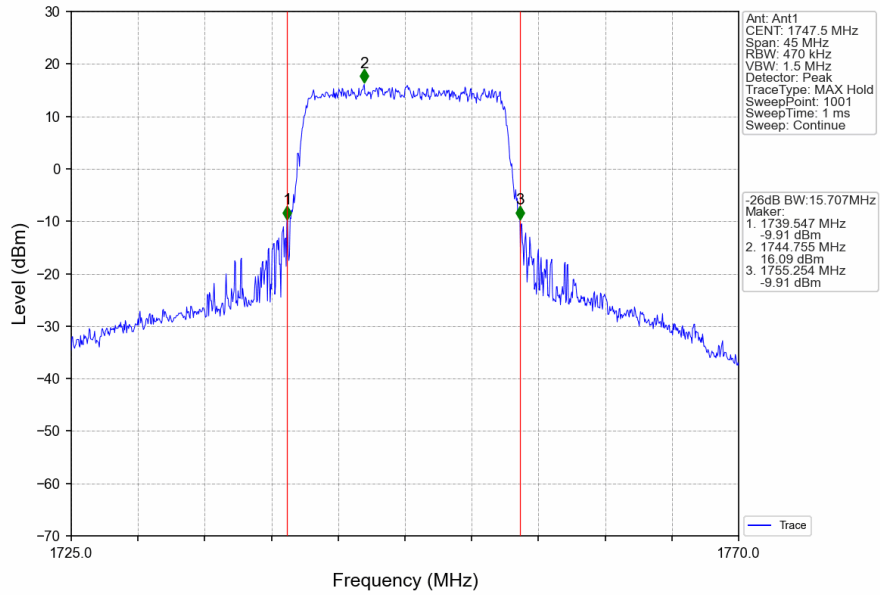
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



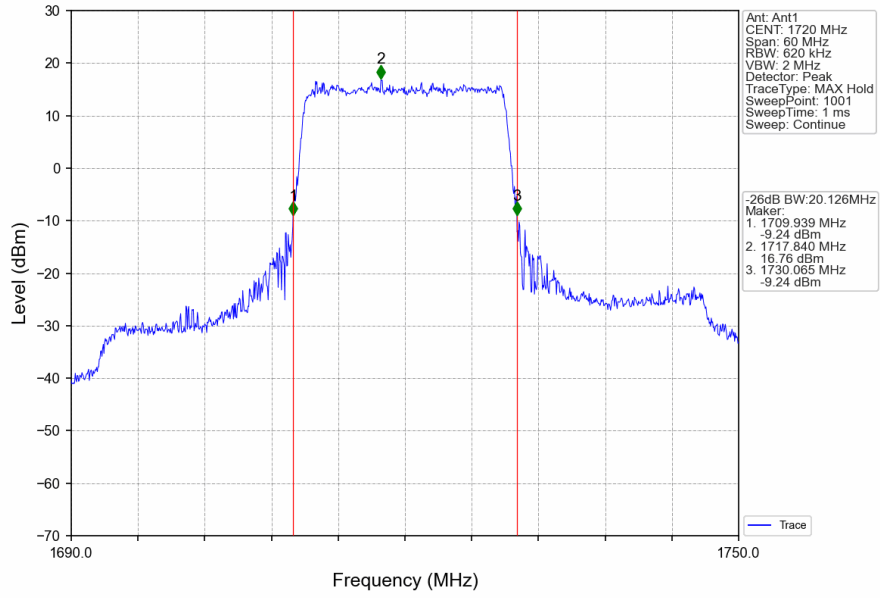
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



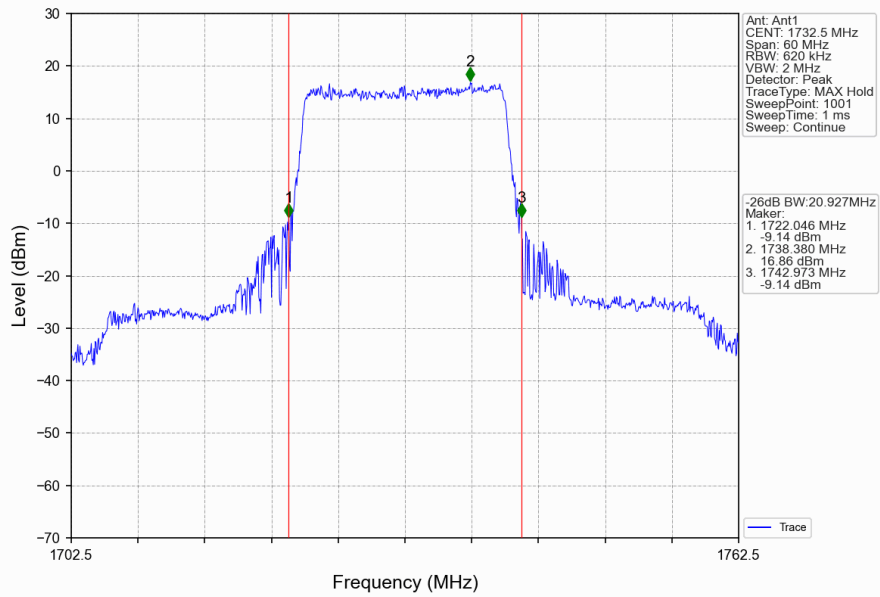
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



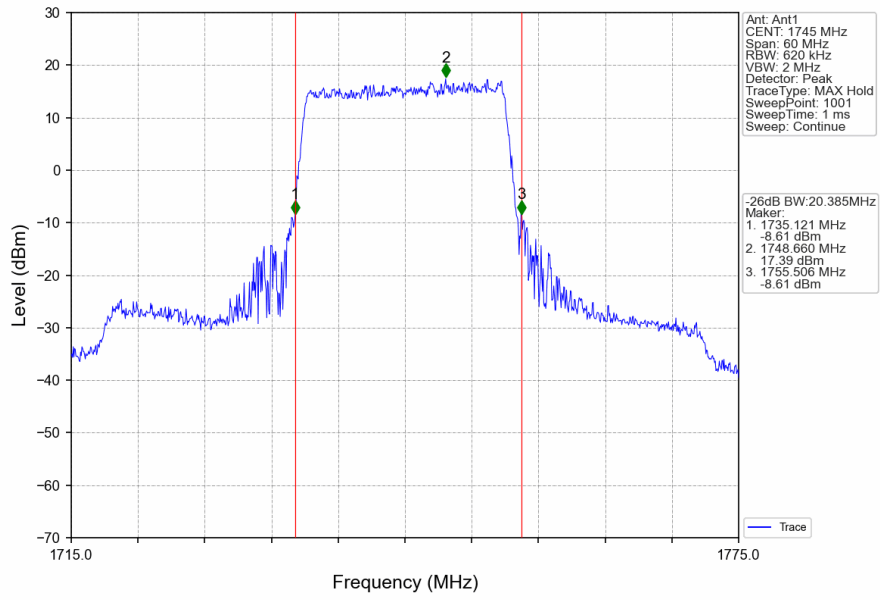
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



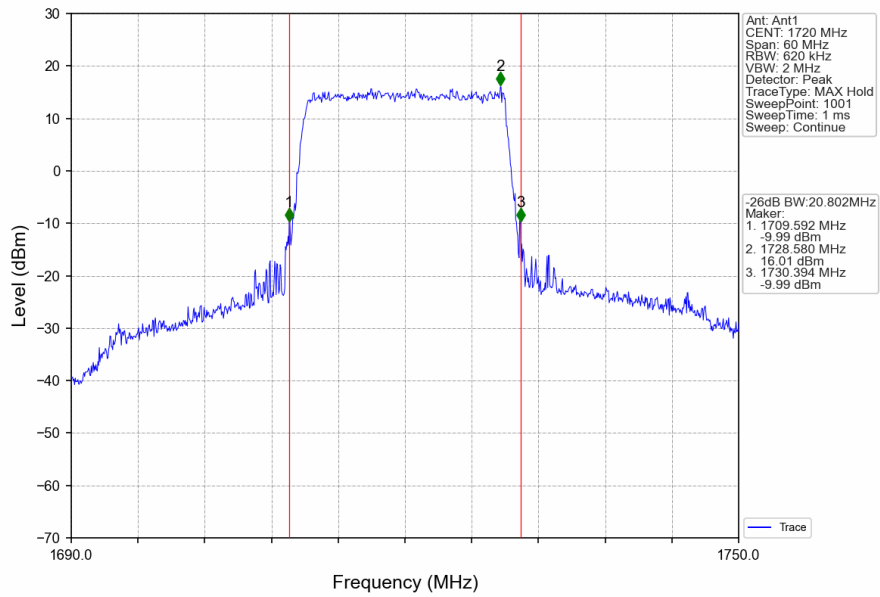
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



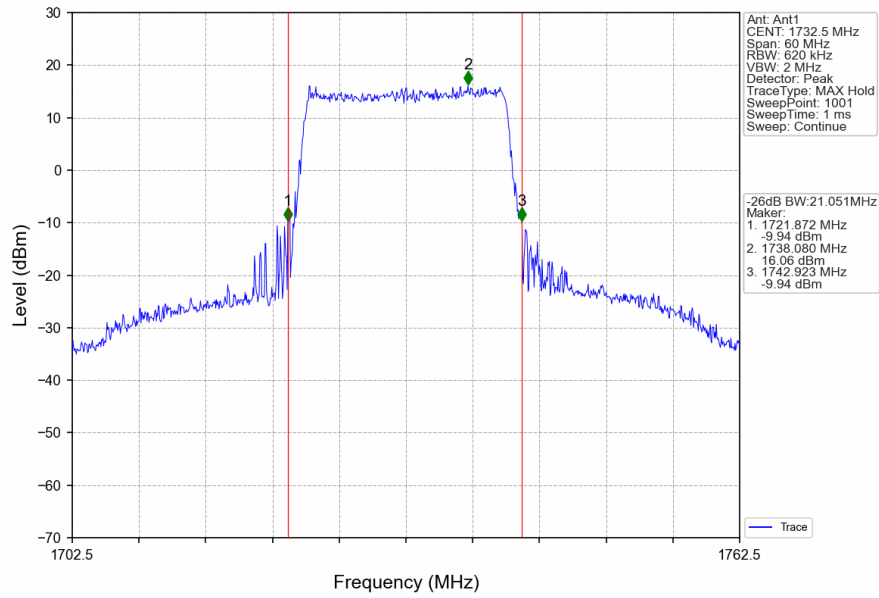
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



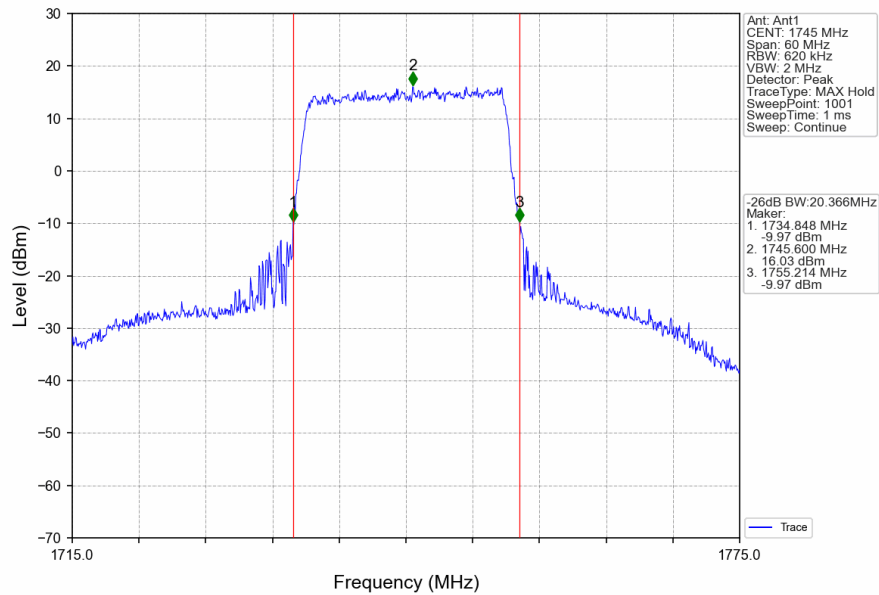
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



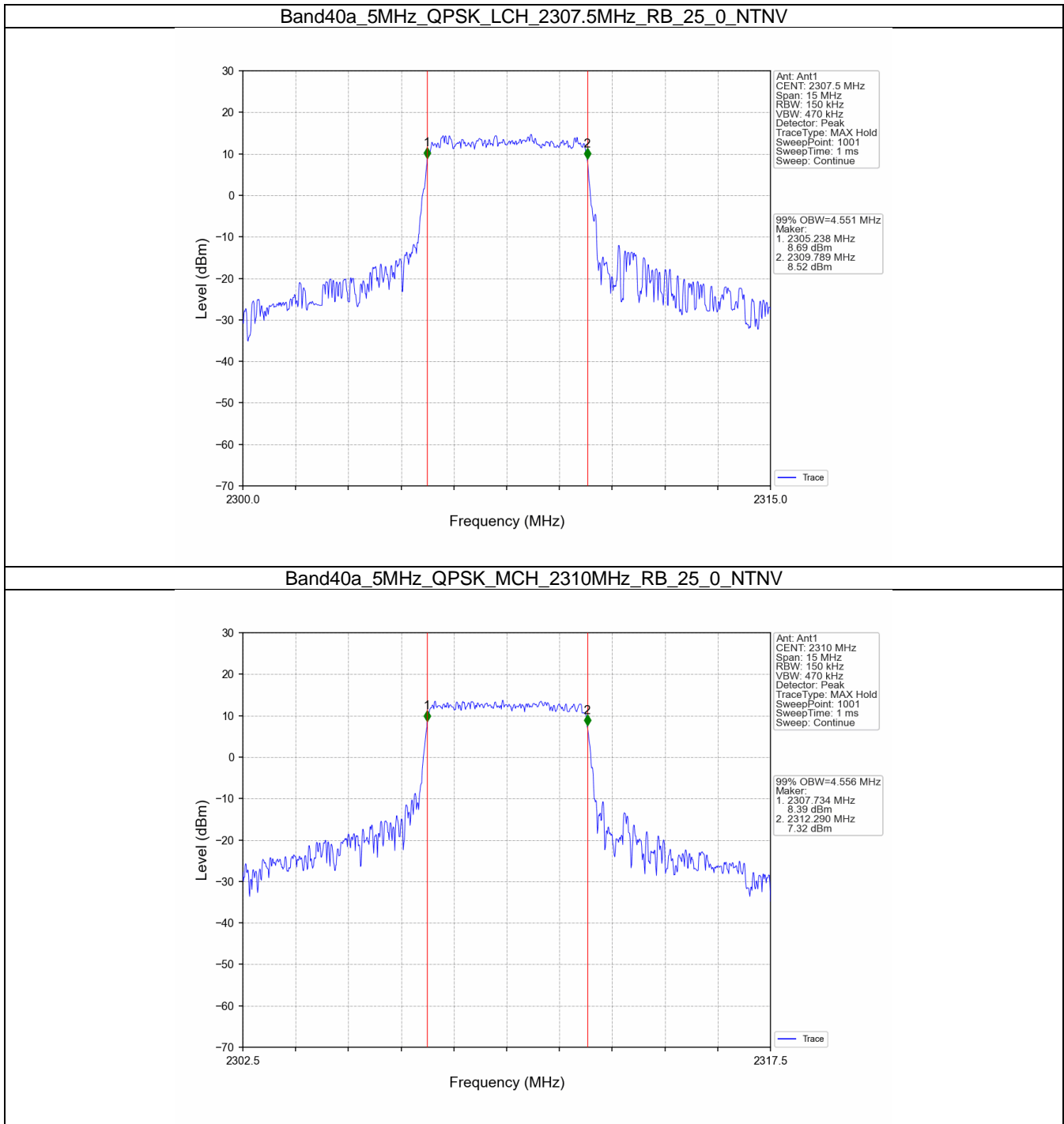
4. 99% & 26dB Bandwidth

4.1 Band40a_OBW

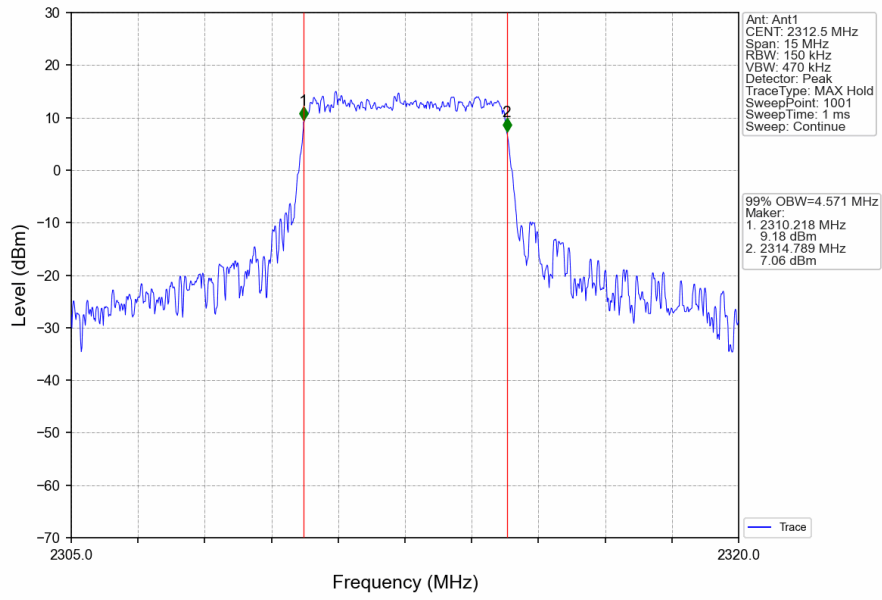
4.1.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.551	Pass
		2310	25	0	4.556	Pass
		2312.5	25	0	4.571	Pass
	16QAM	2307.5	25	0	4.584	Pass
		2310	25	0	4.568	Pass
		2312.5	25	0	4.604	Pass
10	QPSK	2310	50	0	9.093	Pass
	16QAM	2310	50	0	9.027	Pass

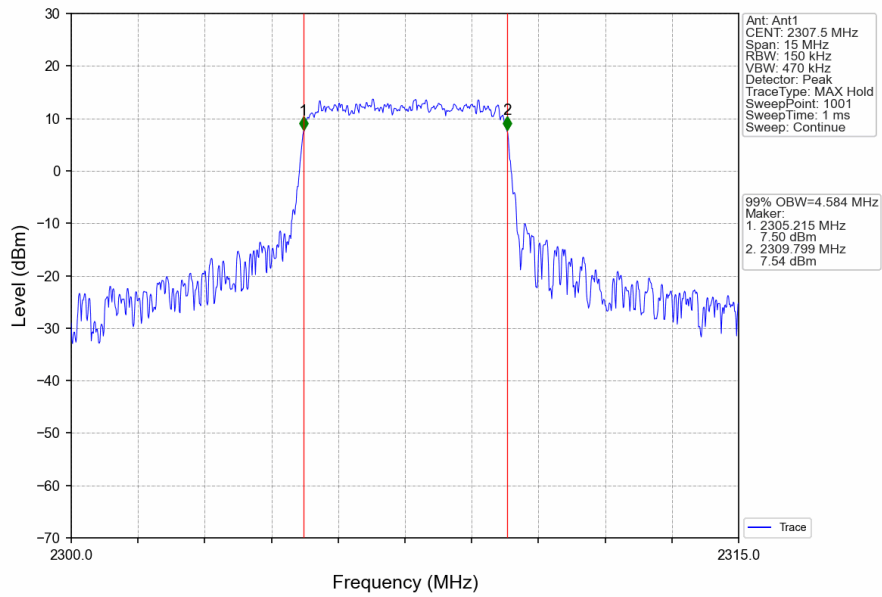
4.1.2 Test Graph



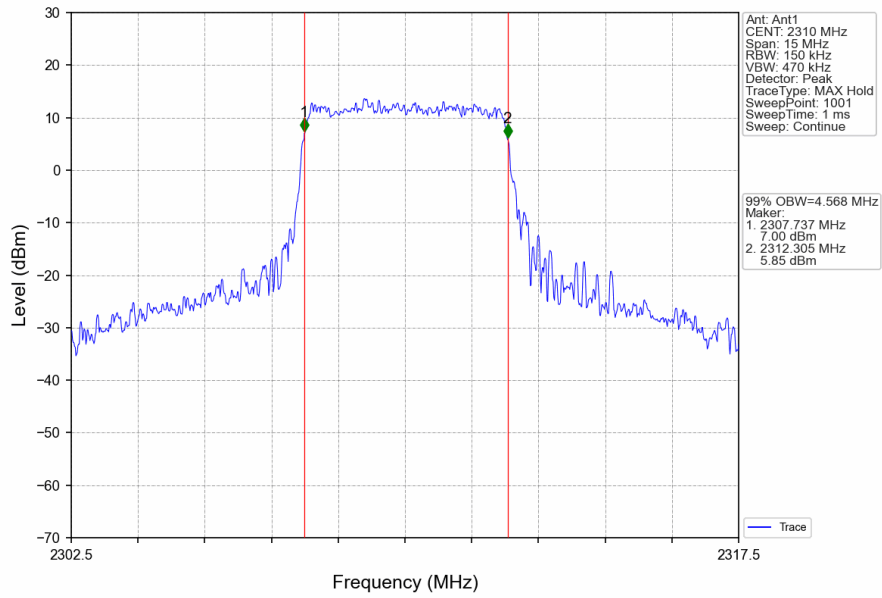
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



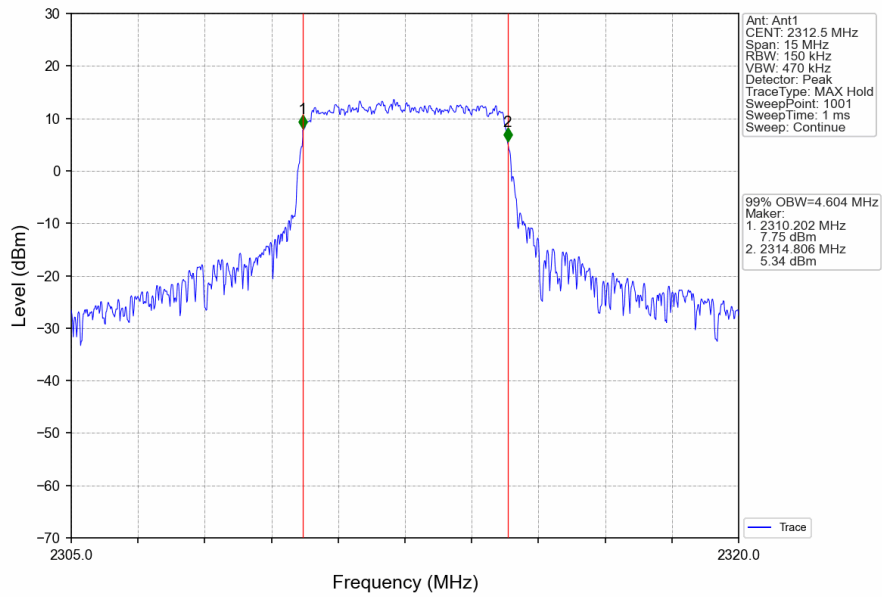
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



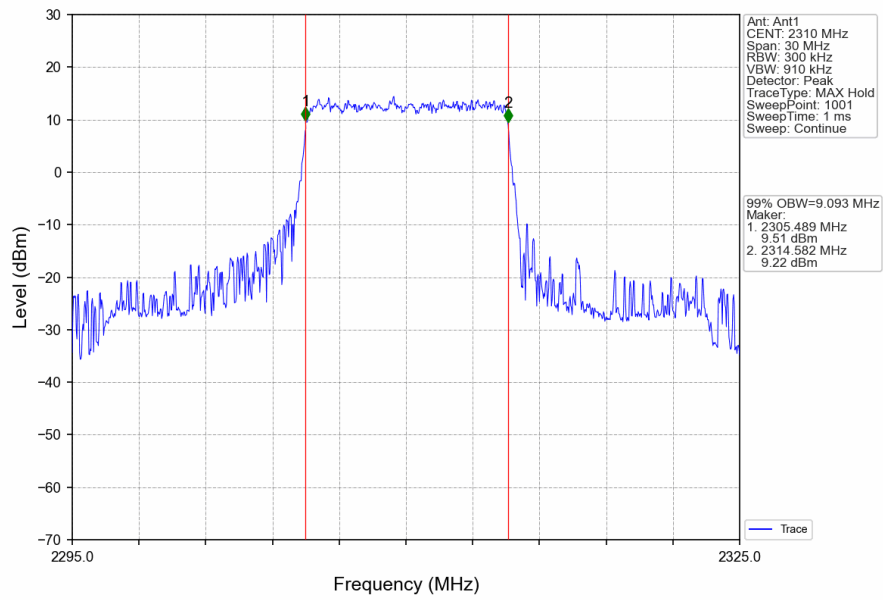
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



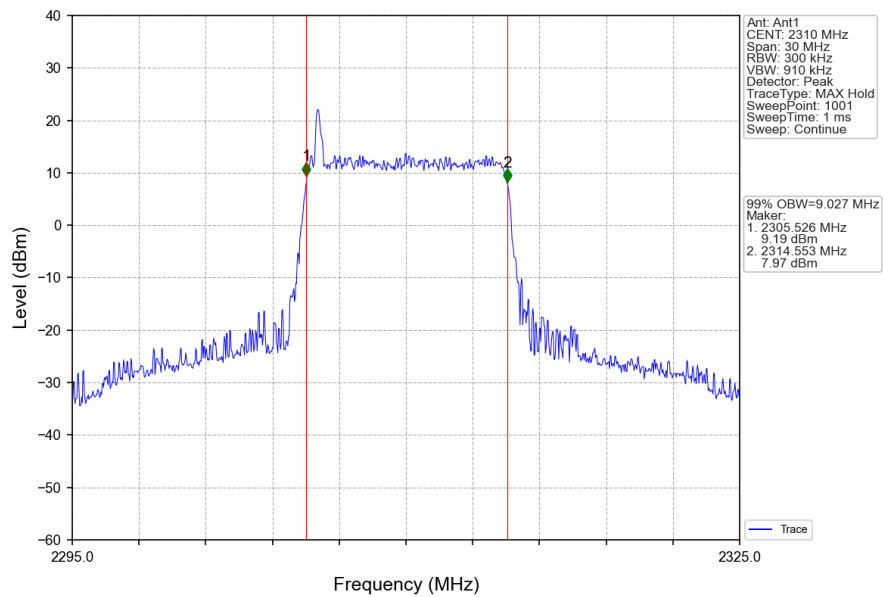
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV

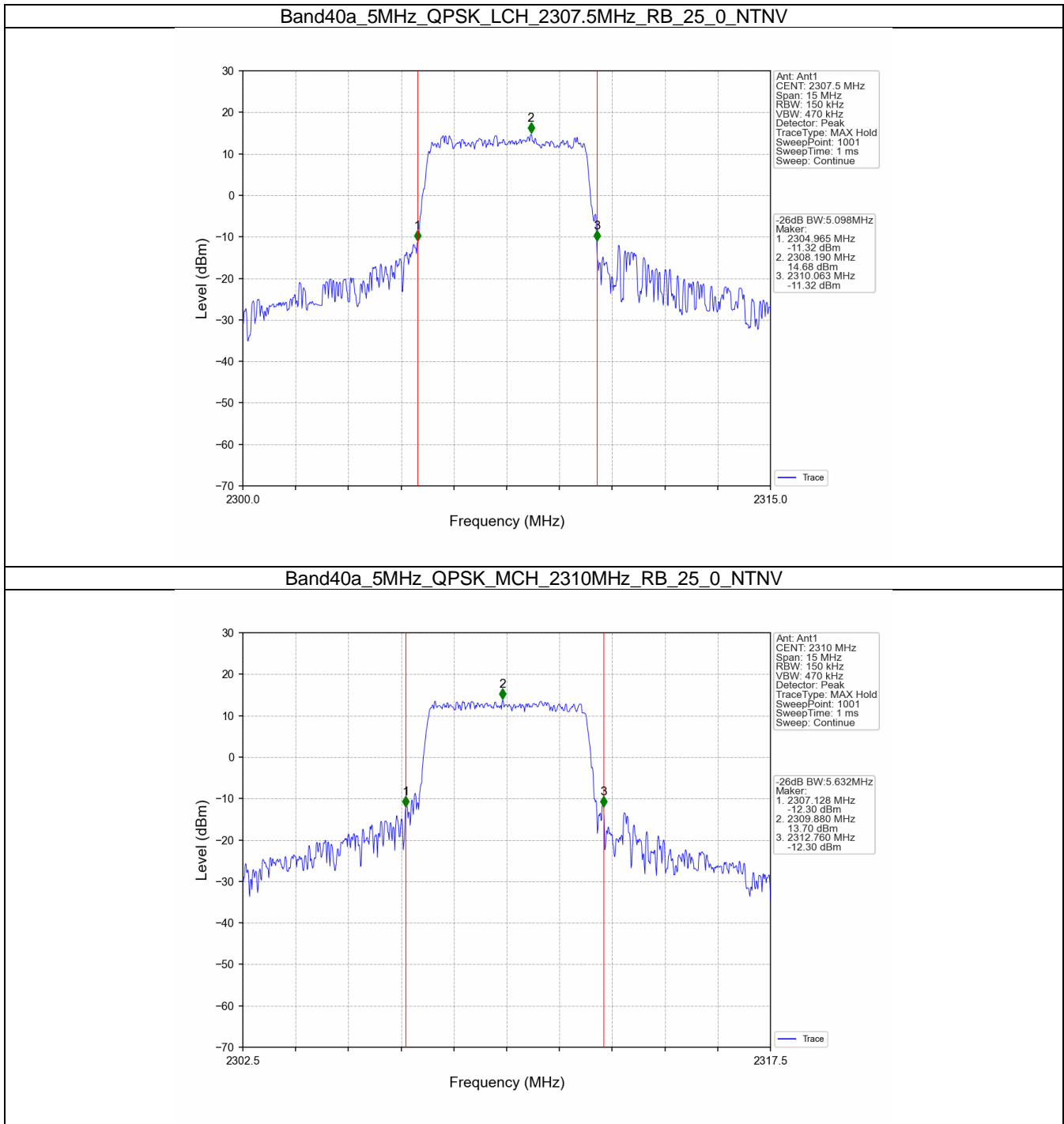


4.2 Band40a_XDB

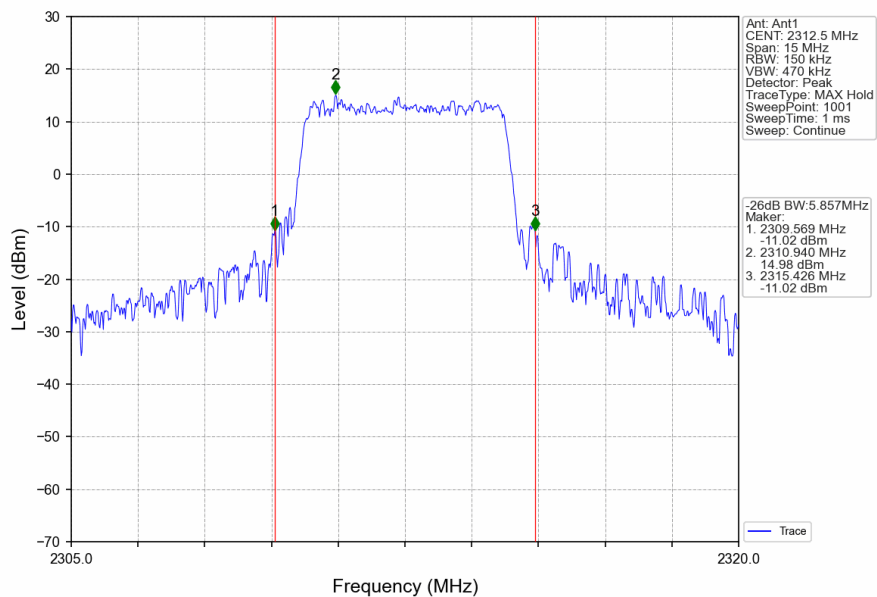
4.2.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	5.098	Pass
		2310	25	0	5.632	Pass
		2312.5	25	0	5.857	Pass
	16QAM	2307.5	25	0	5.675	Pass
		2310	25	0	5.387	Pass
		2312.5	25	0	5.737	Pass
10	QPSK	2310	50	0	11.195	Pass
	16QAM	2310	50	0	9.595	Pass

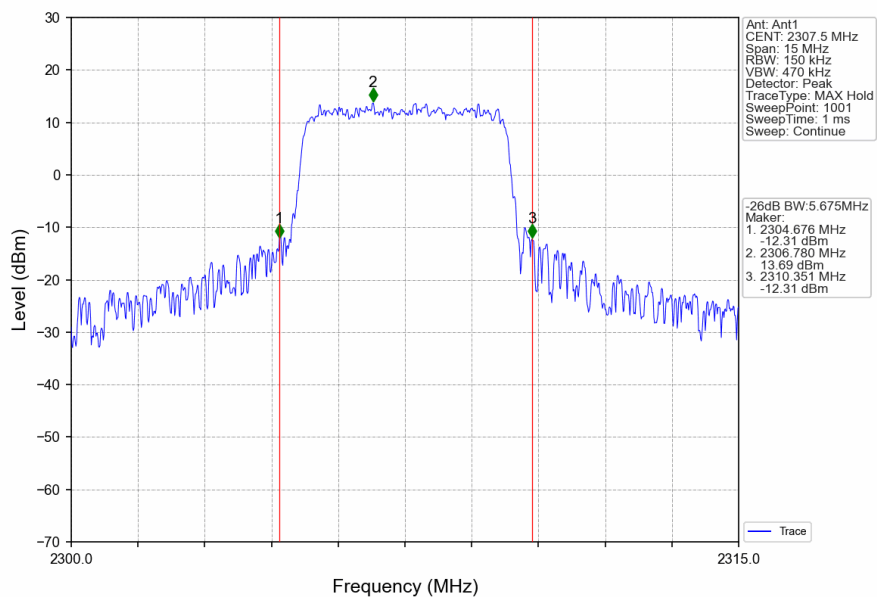
4.2.2 Test Graph



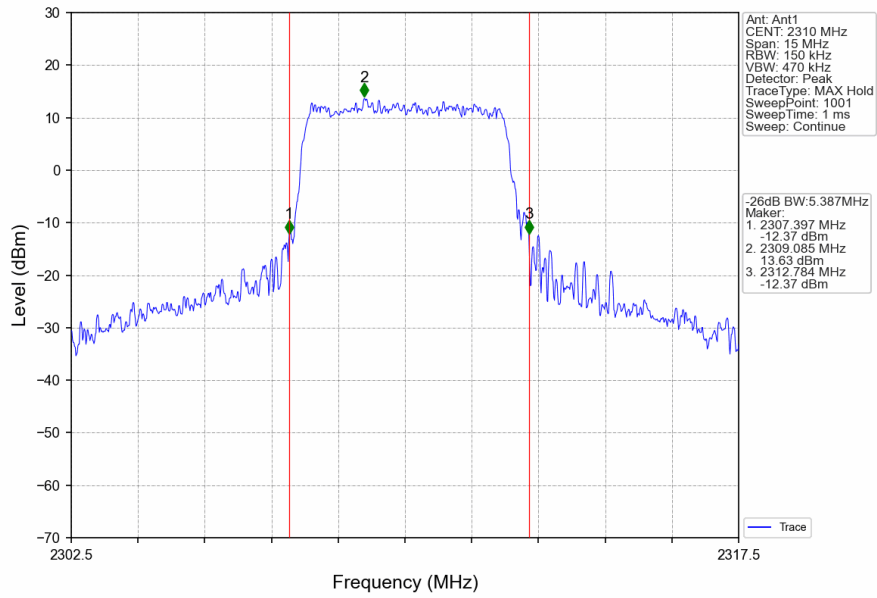
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



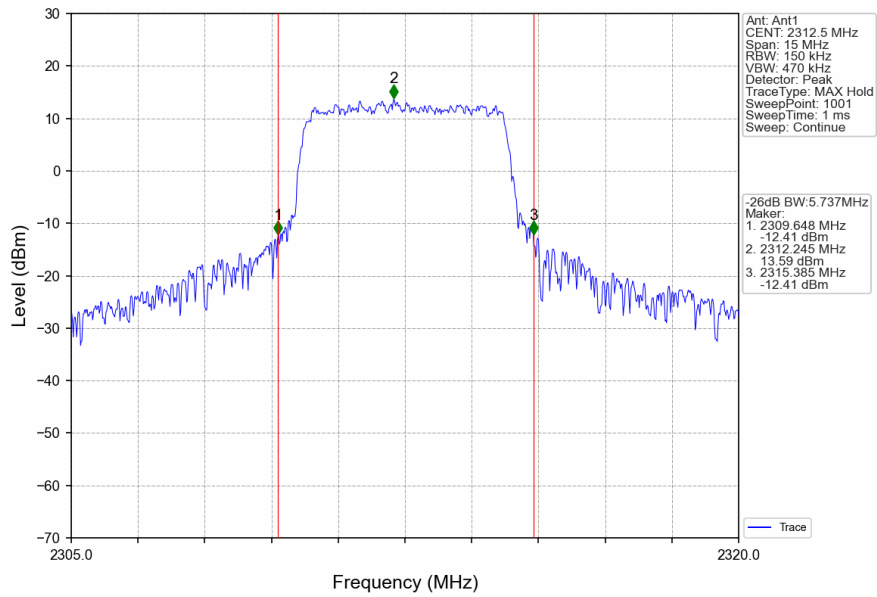
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



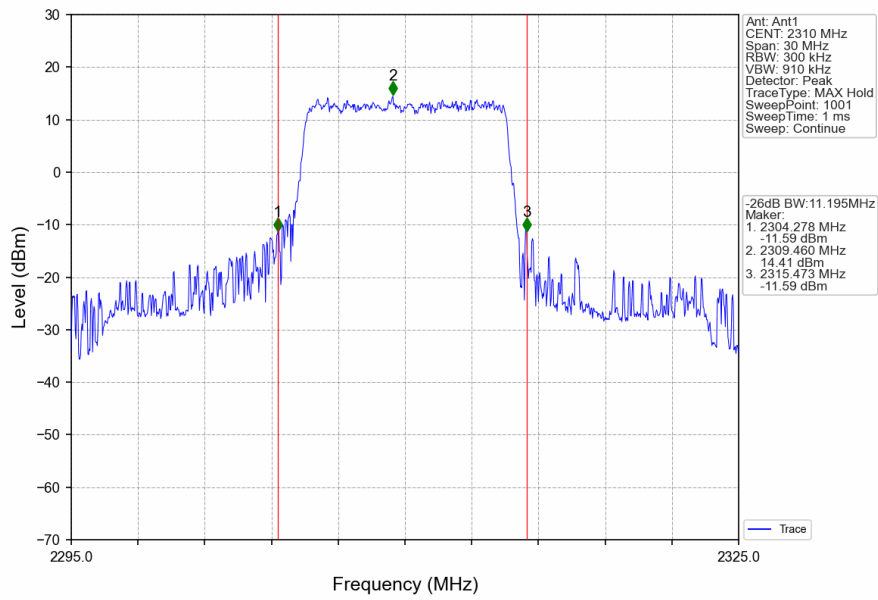
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



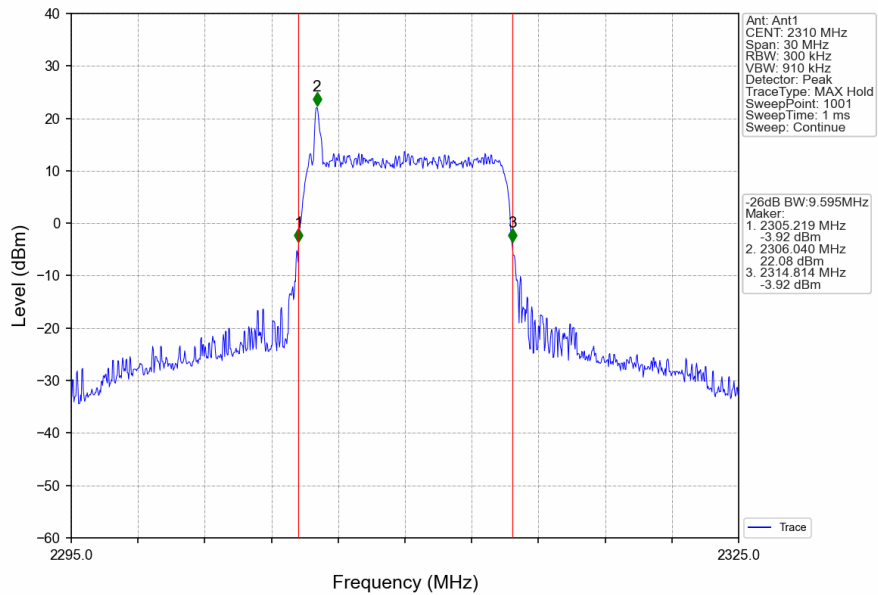
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



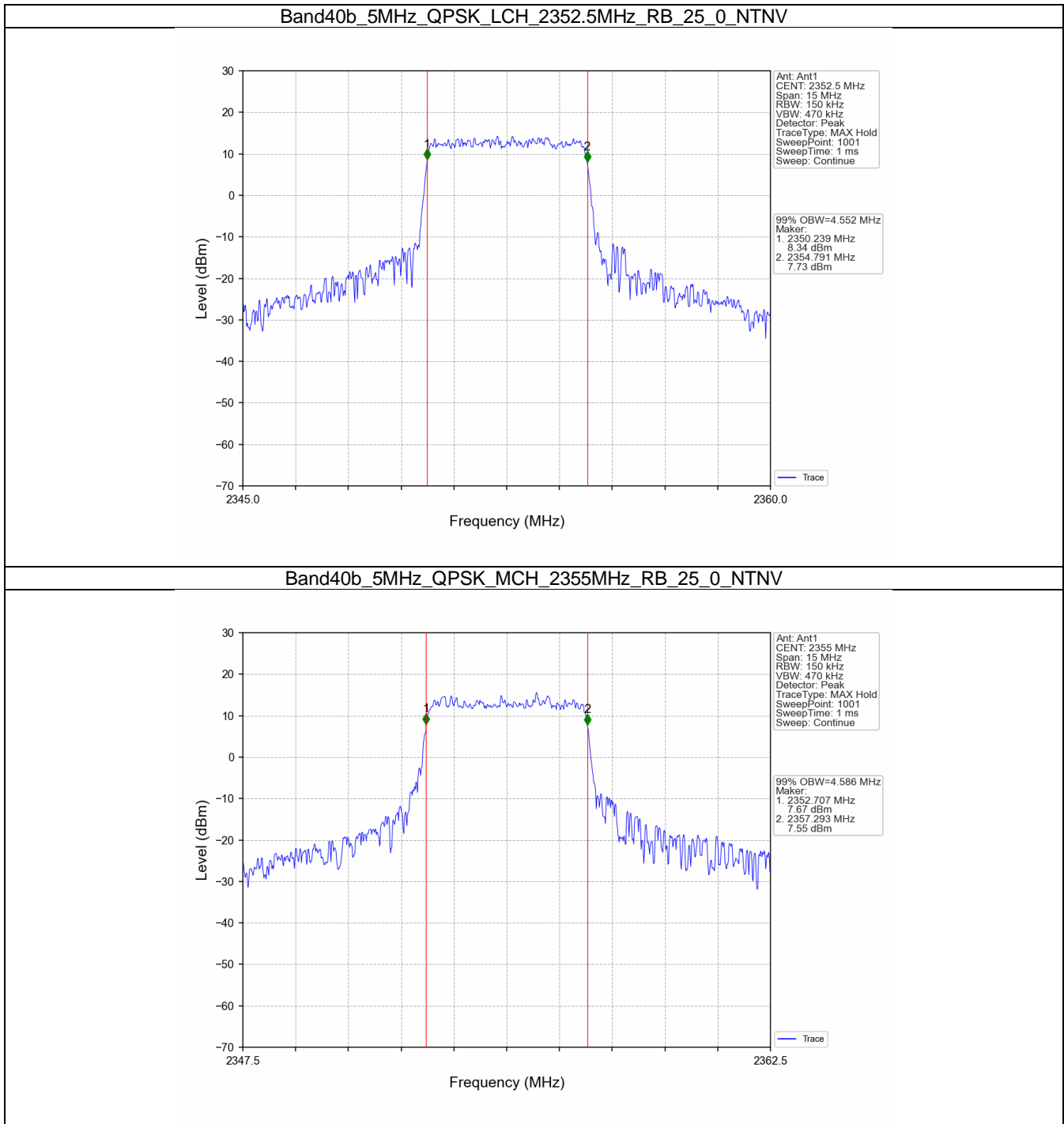
5. 99% & 26dB Bandwidth

5.1 Band40b_OBW

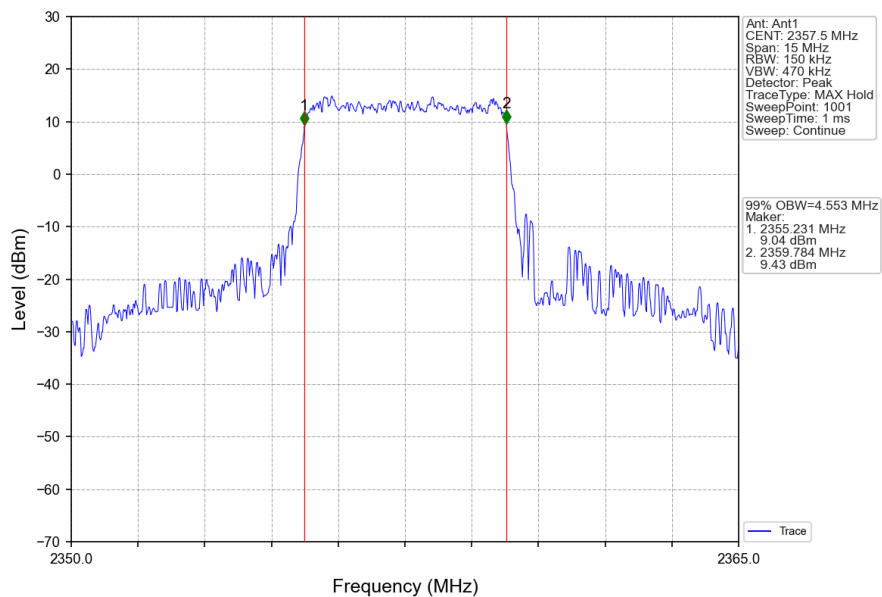
5.1.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.552	Pass
		2355	25	0	4.586	Pass
		2357.5	25	0	4.553	Pass
	16QAM	2352.5	25	0	4.571	Pass
		2355	25	0	4.613	Pass
		2357.5	25	0	4.571	Pass
10	QPSK	2355	50	0	9.052	Pass
	16QAM	2355	50	0	9.109	Pass

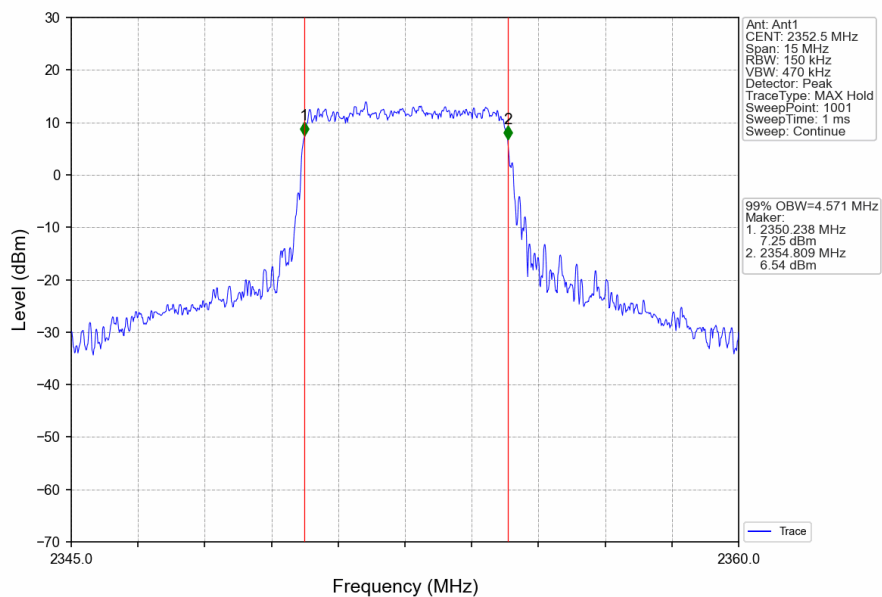
5.1.2 Test Graph



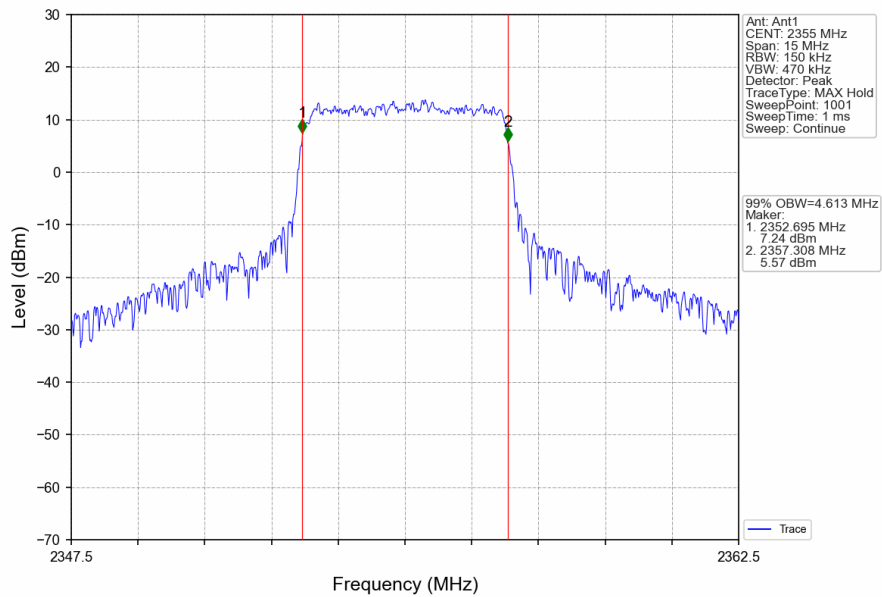
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



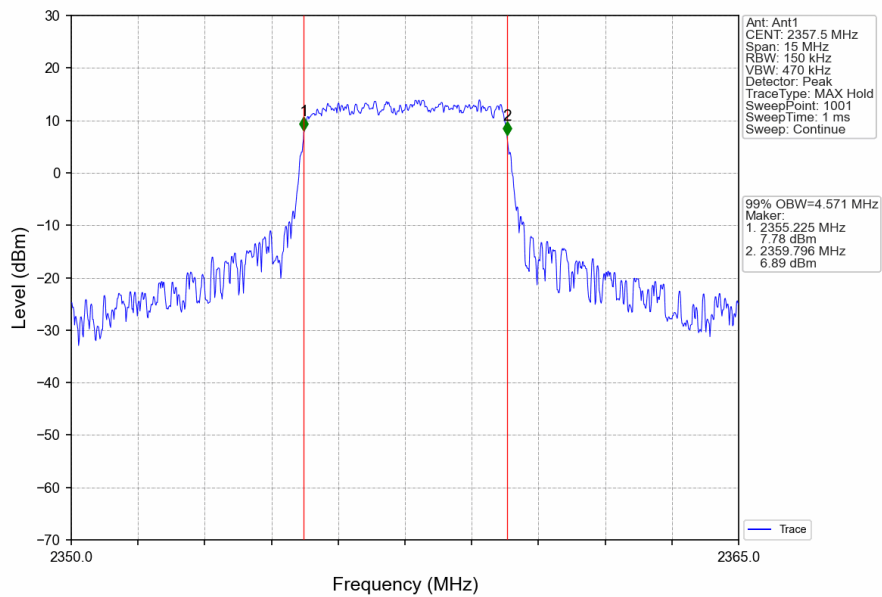
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



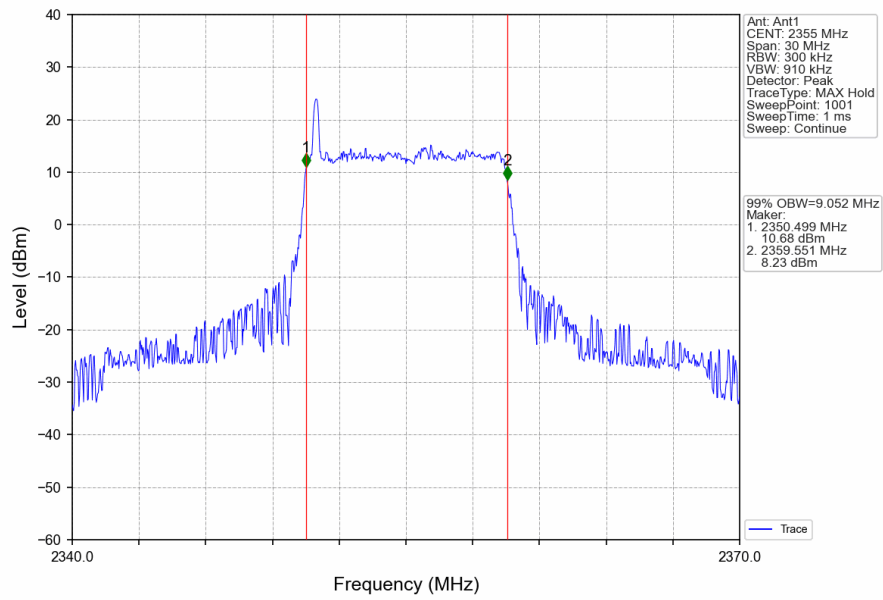
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



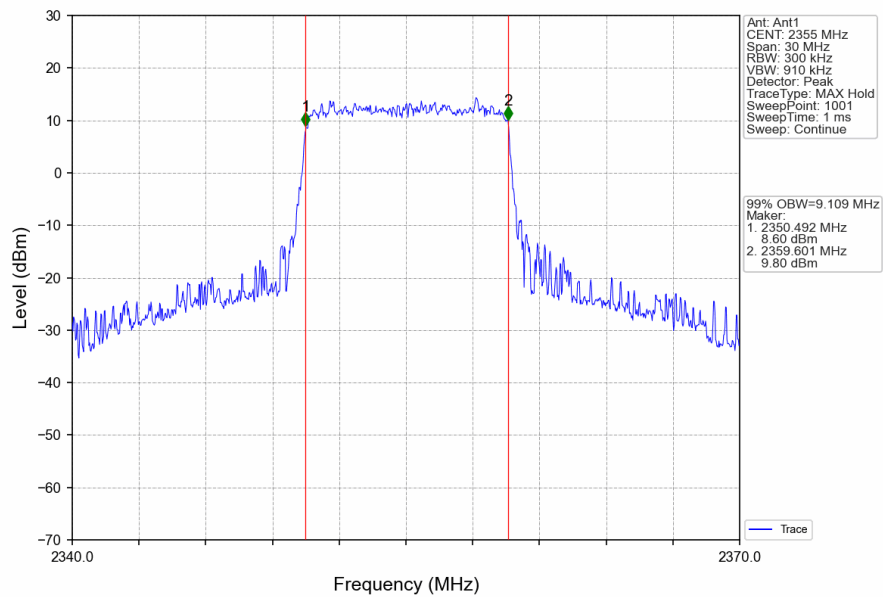
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV

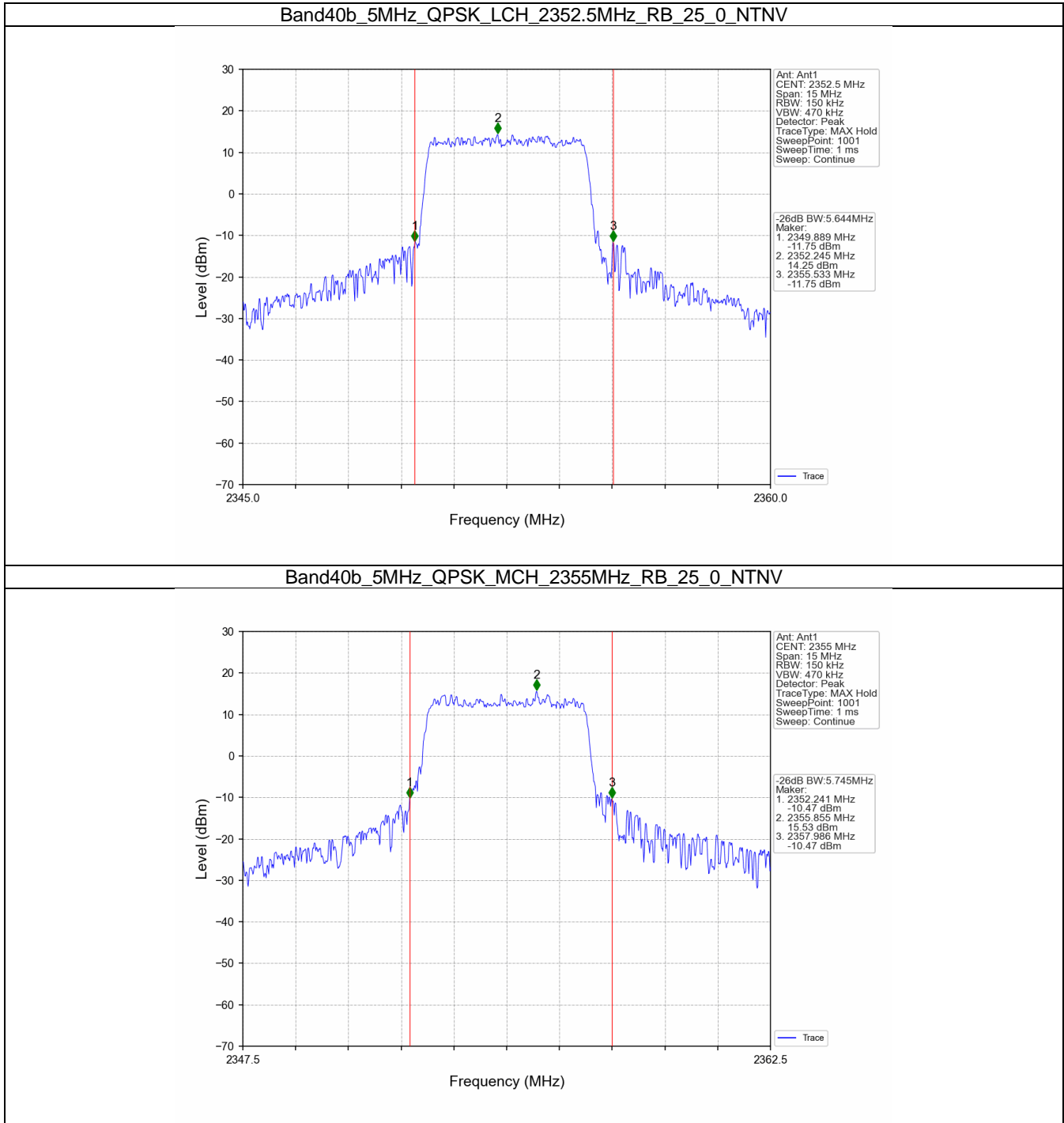


5.2 Band40b_XDB

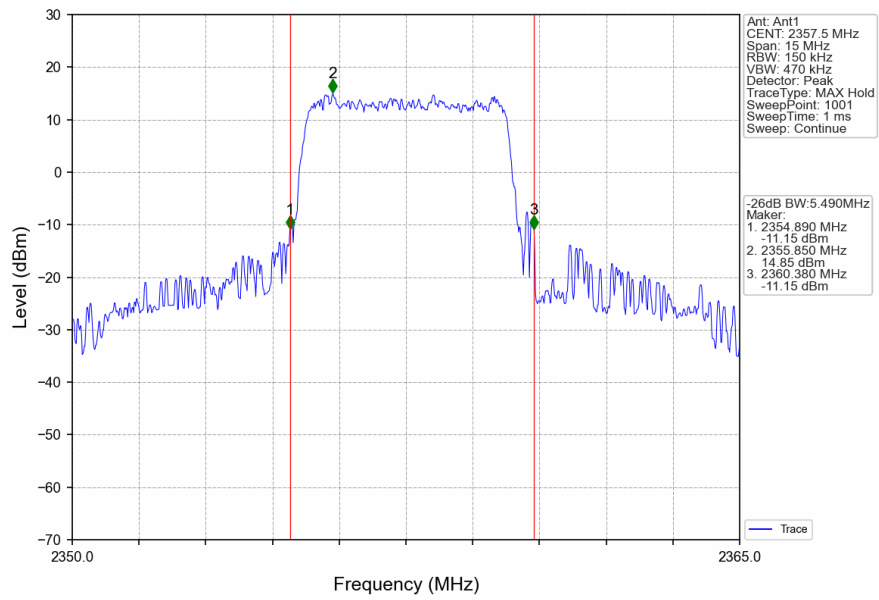
5.2.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	5.644	Pass
		2355	25	0	5.745	Pass
		2357.5	25	0	5.490	Pass
	16QAM	2352.5	25	0	5.231	Pass
		2355	25	0	5.756	Pass
		2357.5	25	0	5.731	Pass
10	QPSK	2355	50	0	9.734	Pass
	16QAM	2355	50	0	10.183	Pass

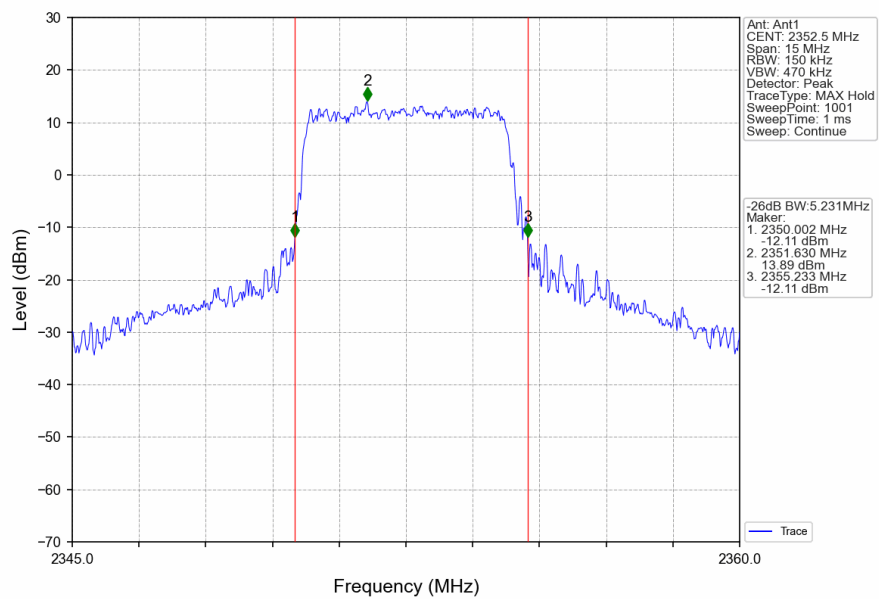
5.2.2 Test Graph



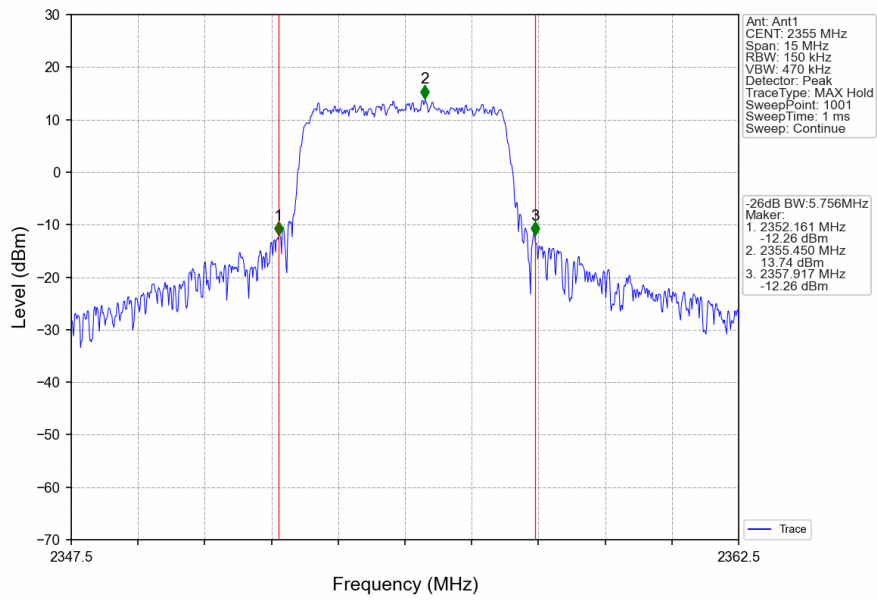
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



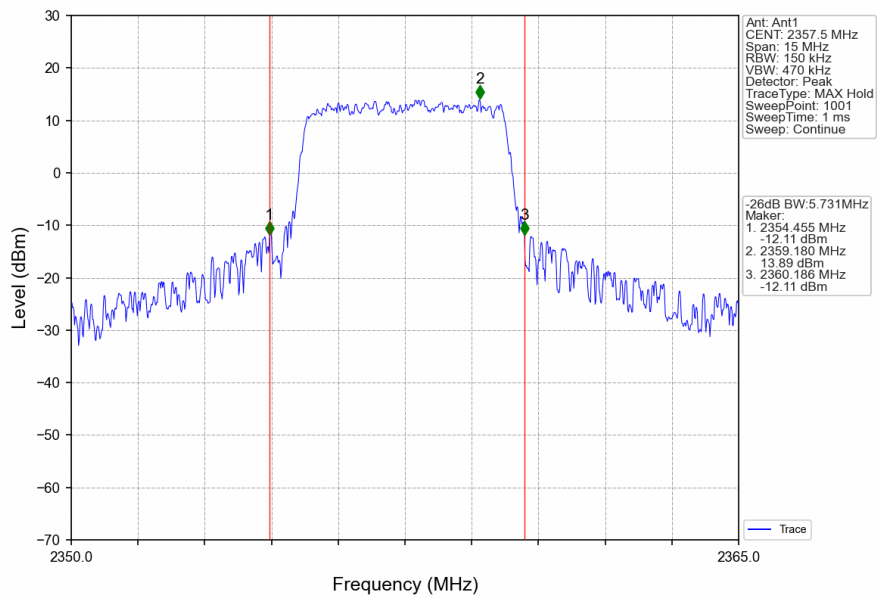
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



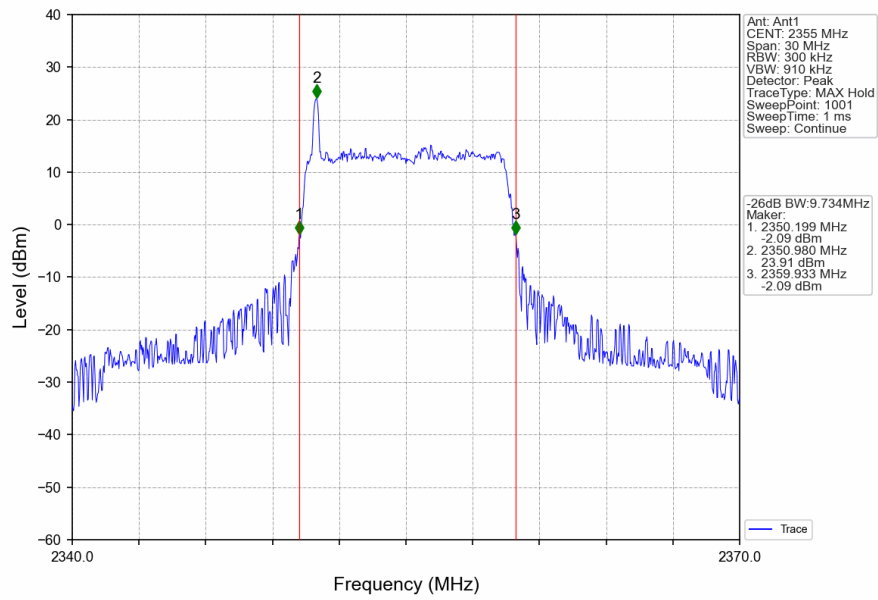
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



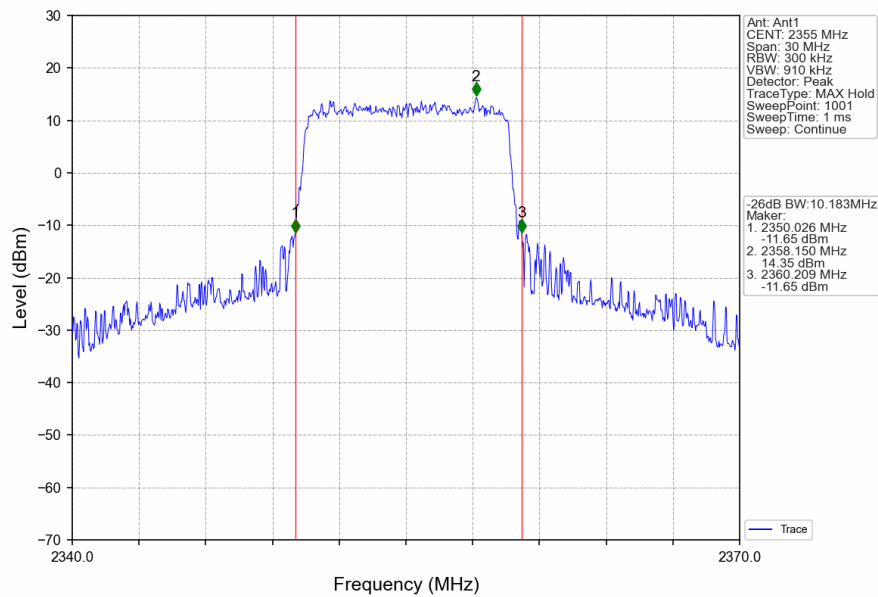
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



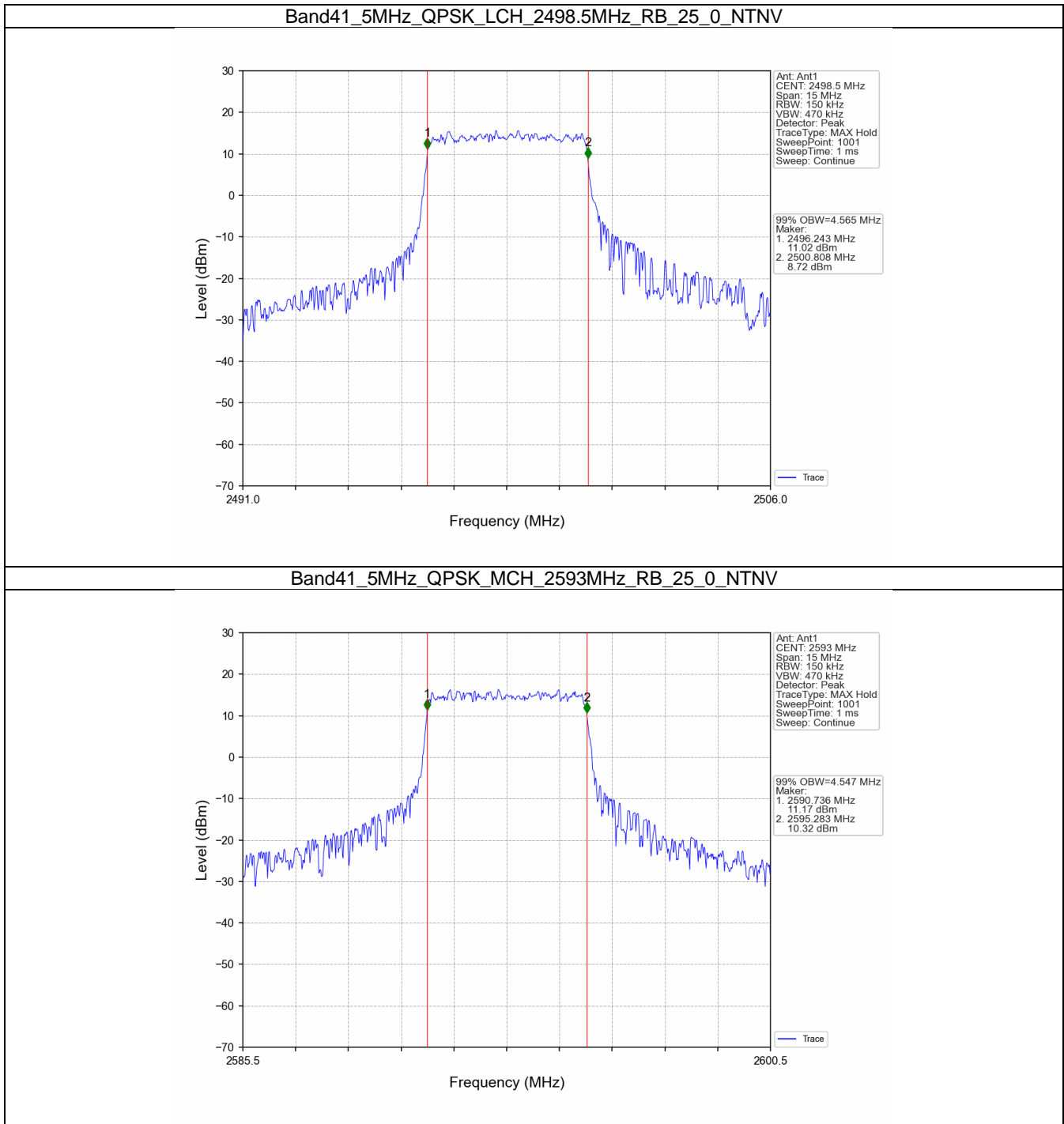
6. 99% & 26dB Bandwidth

6.1 Band41_OBW

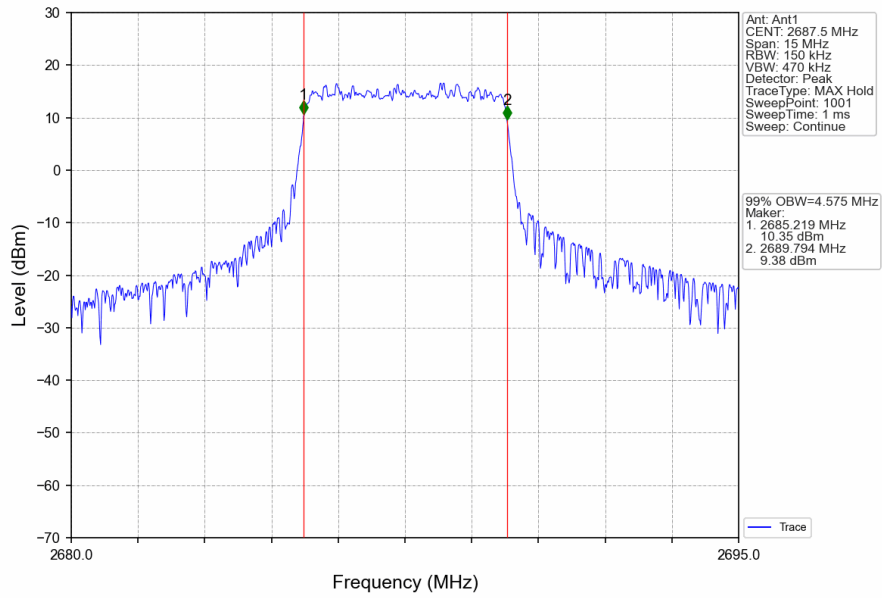
6.1.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.565	Pass
		2593	25	0	4.547	Pass
		2687.5	25	0	4.575	Pass
	16QAM	2498.5	25	0	4.549	Pass
		2593	25	0	4.605	Pass
		2687.5	25	0	4.548	Pass
10	QPSK	2501	50	0	9.054	Pass
		2593	50	0	9.068	Pass
		2685	50	0	9.068	Pass
	16QAM	2501	50	0	9.082	Pass
		2593	50	0	9.035	Pass
		2685	50	0	8.958	Pass
15	QPSK	2503.5	75	0	13.679	Pass
		2593	75	0	13.622	Pass
		2682.5	75	0	13.591	Pass
	16QAM	2503.5	75	0	13.569	Pass
		2593	75	0	13.672	Pass
		2682.5	75	0	13.654	Pass
20	QPSK	2506	100	0	18.127	Pass
		2593	100	0	18.185	Pass
		2680	100	0	18.133	Pass
	16QAM	2506	100	0	18.094	Pass
		2593	100	0	18.159	Pass
		2680	100	0	18.064	Pass

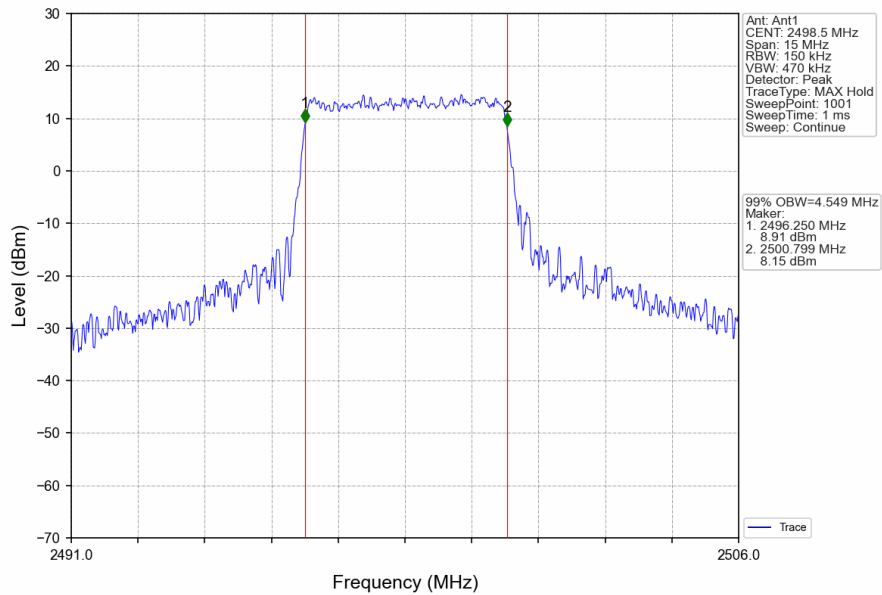
6.1.2 Test Graph



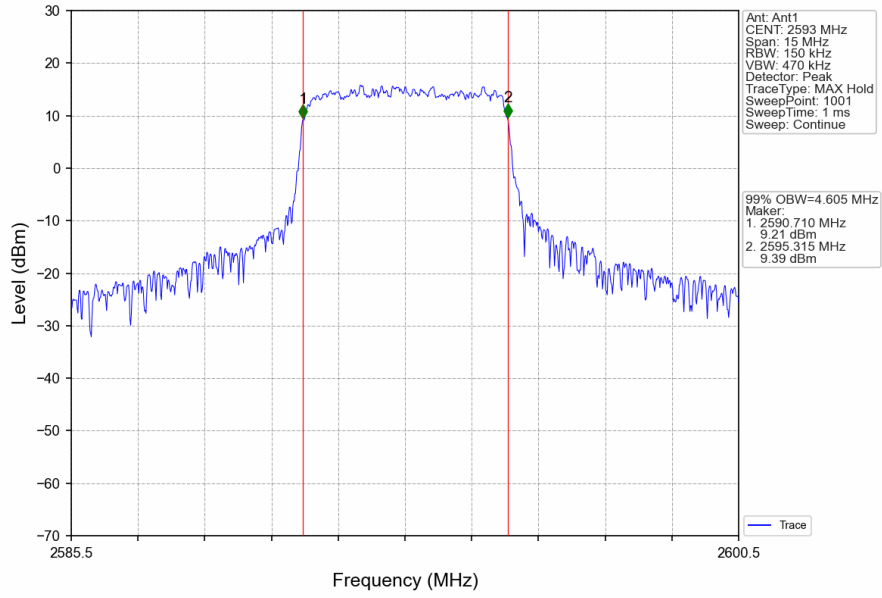
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



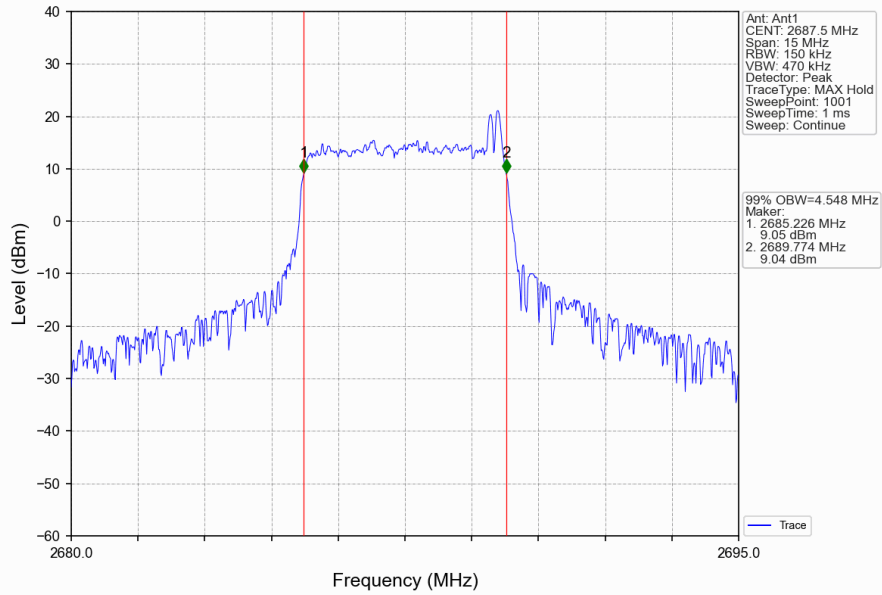
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



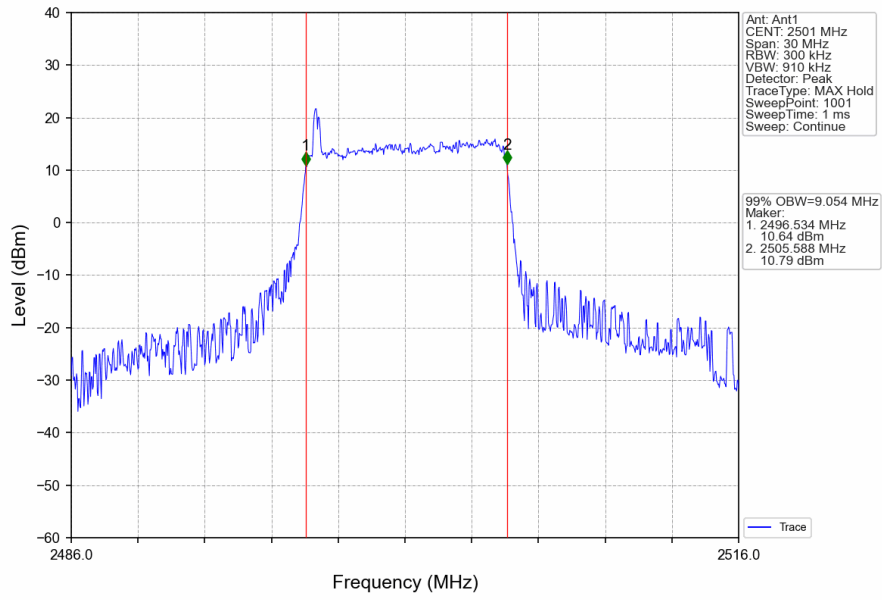
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



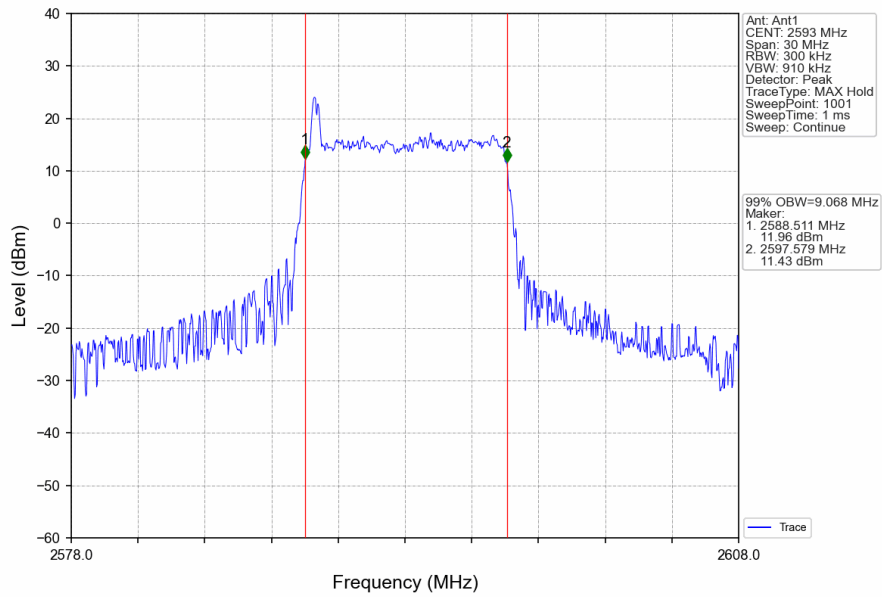
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



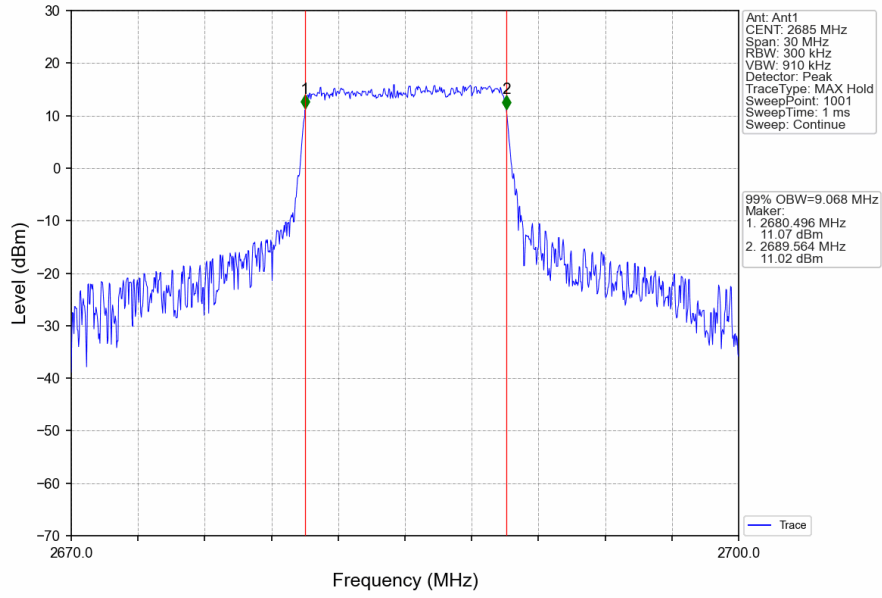
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



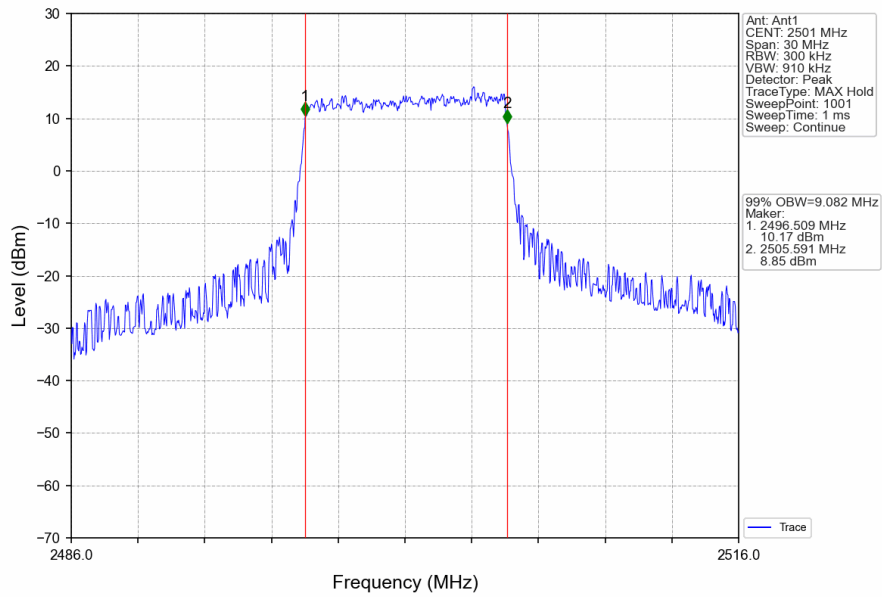
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



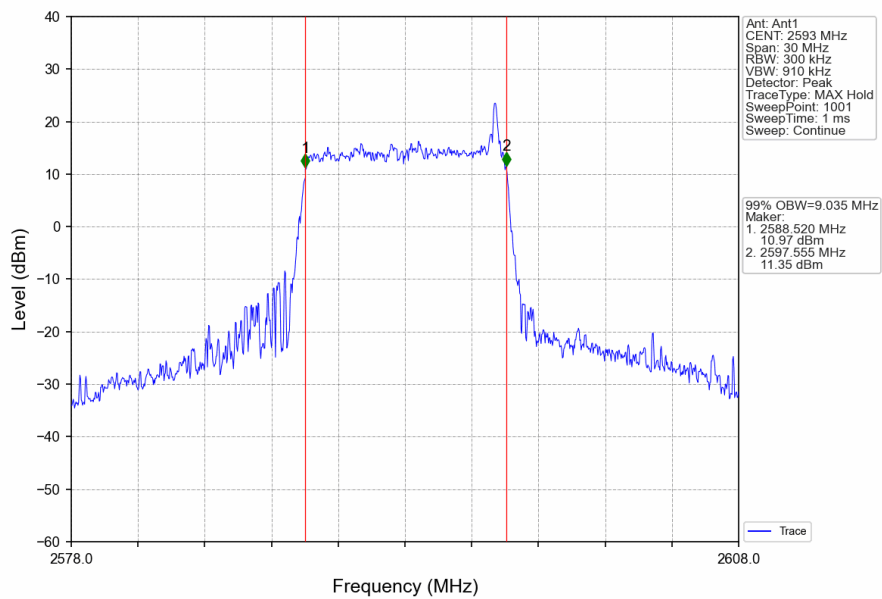
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



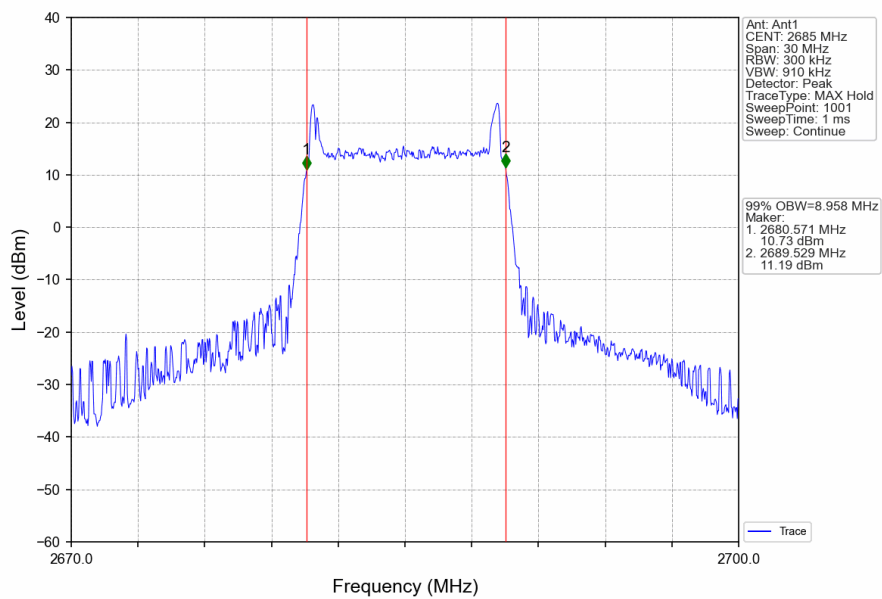
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



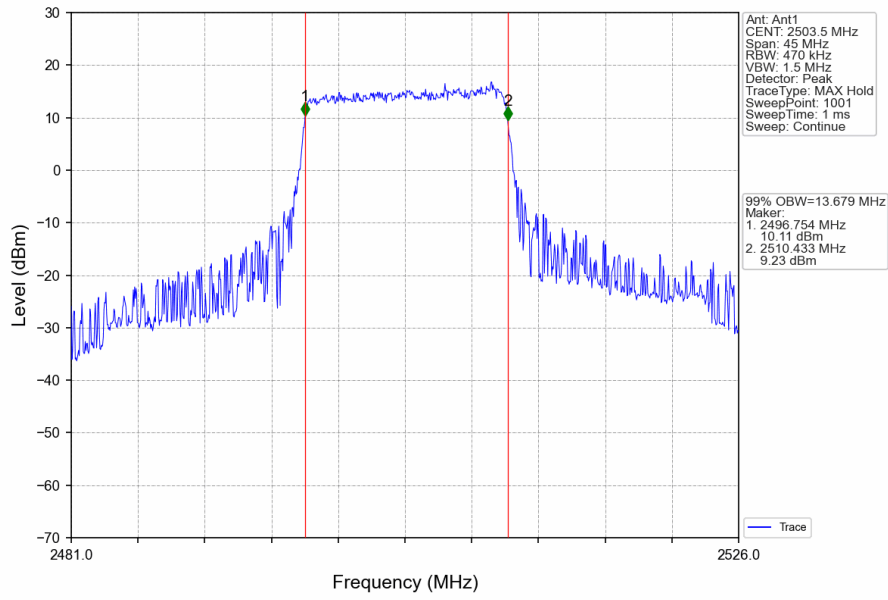
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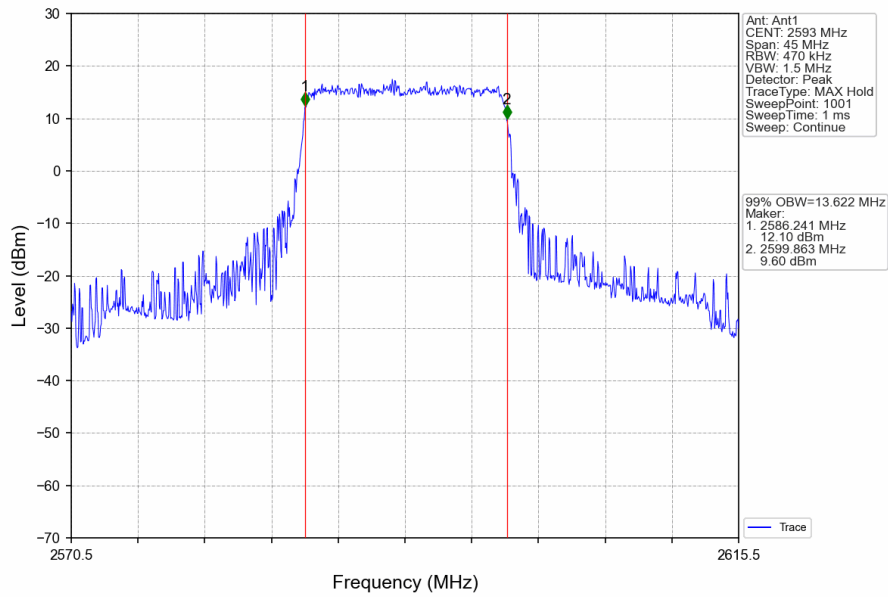
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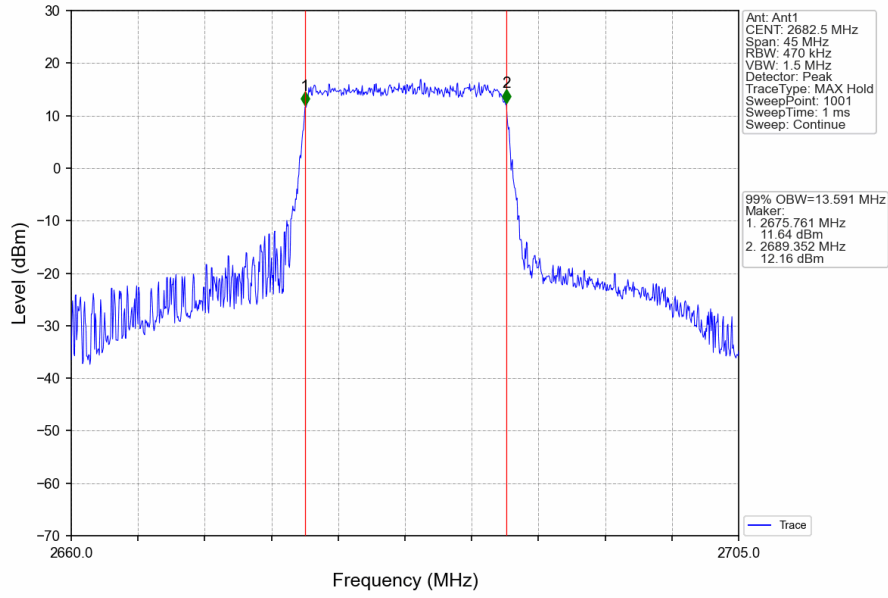
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



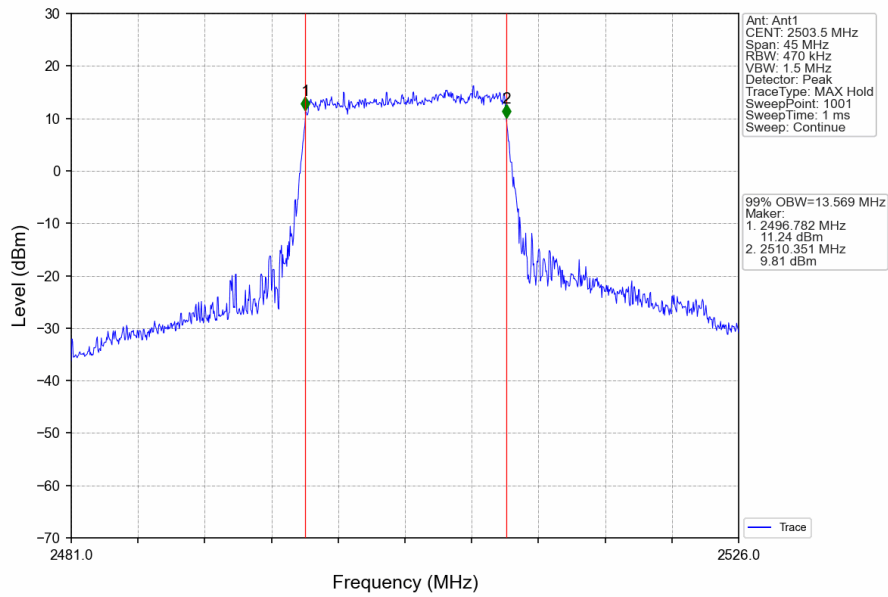
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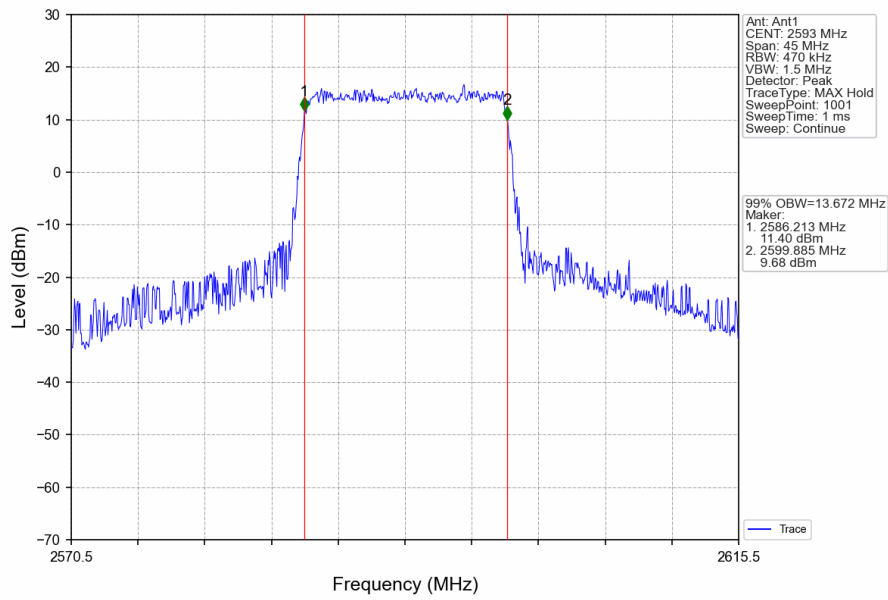
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



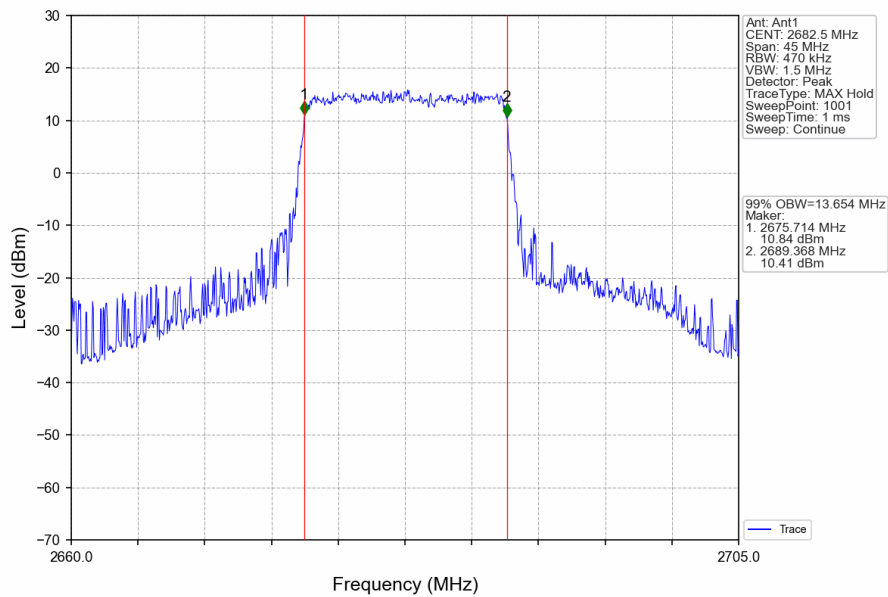
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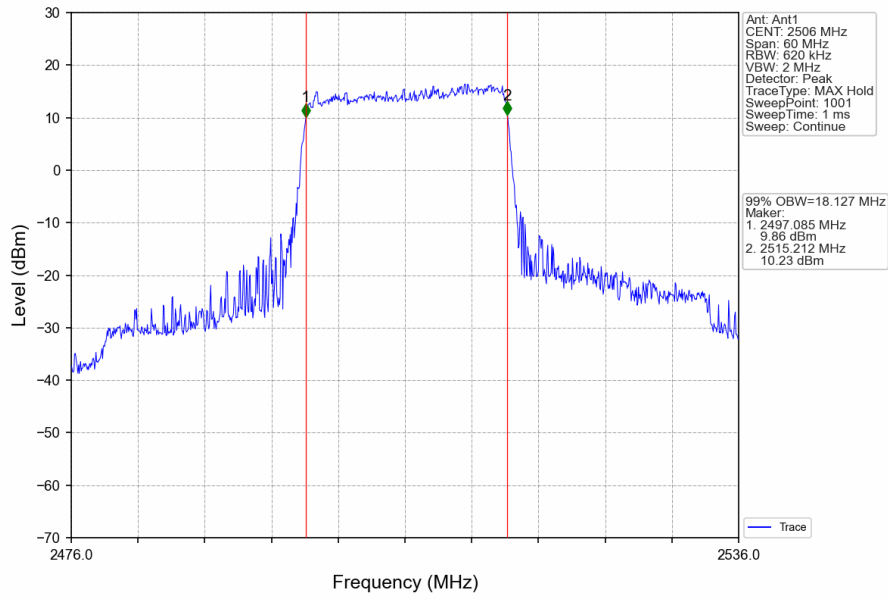
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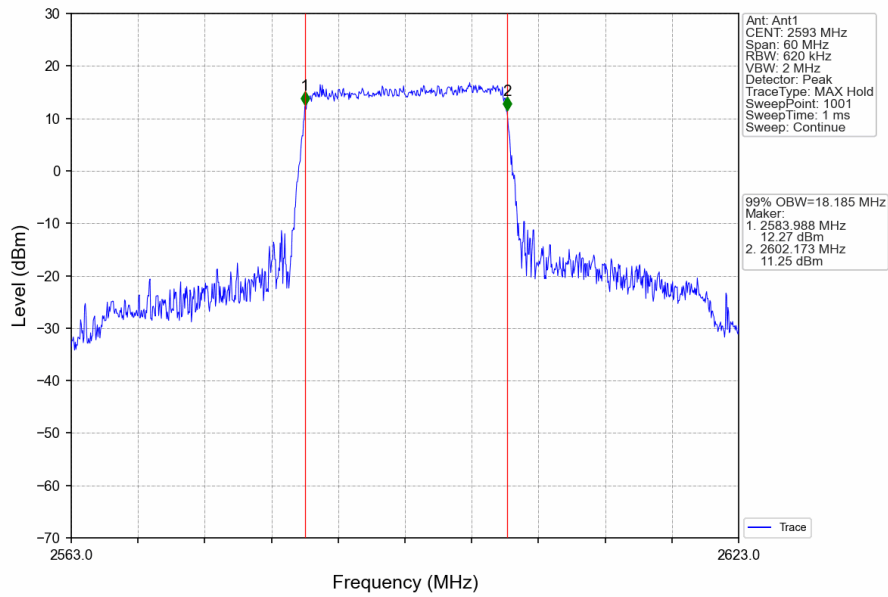
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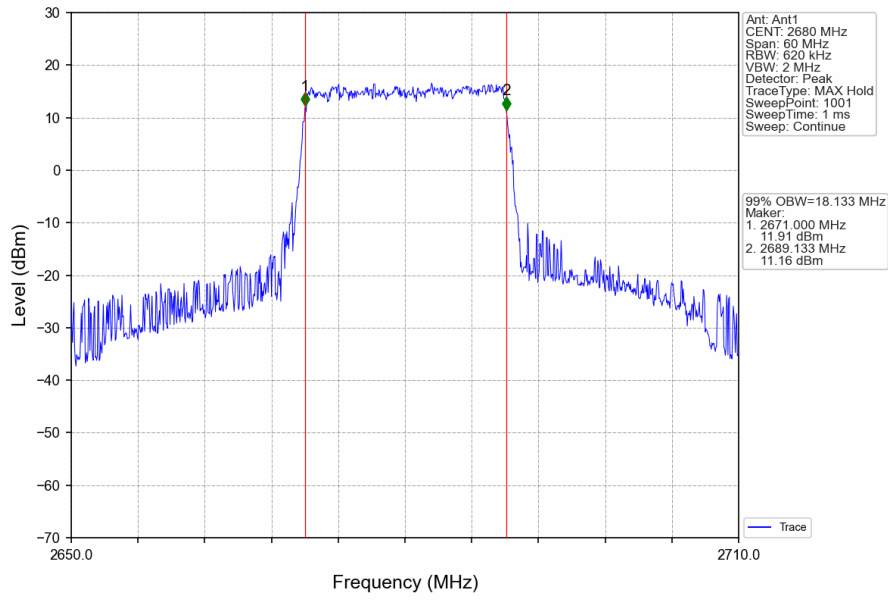
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



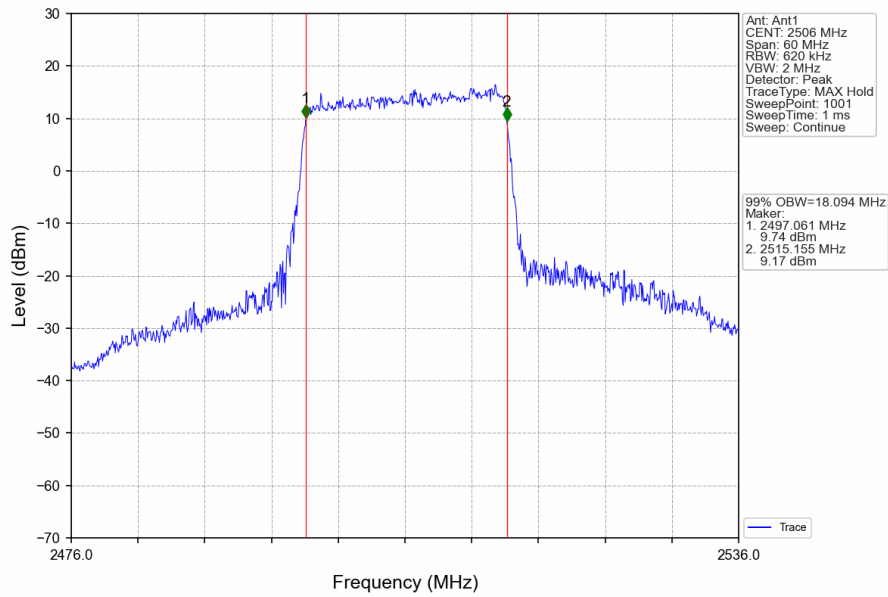
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



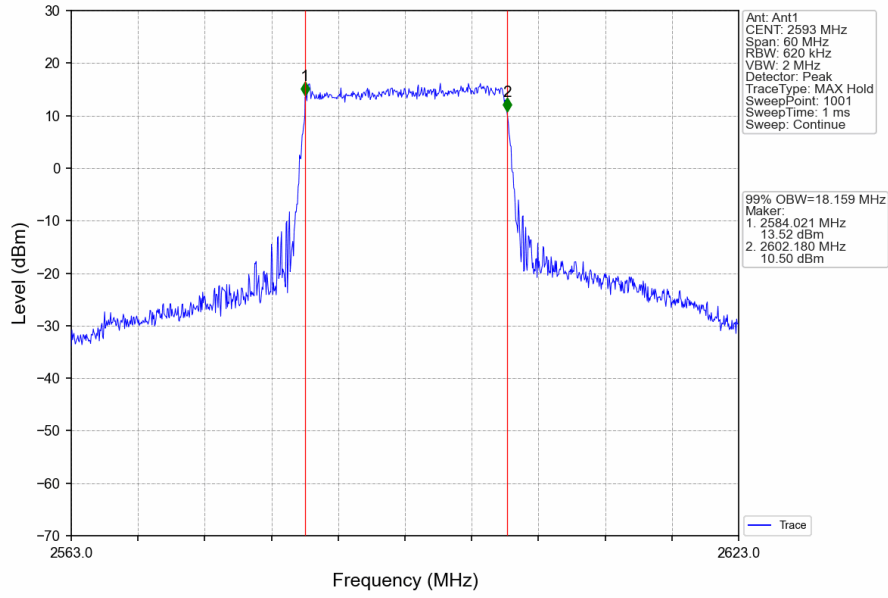
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



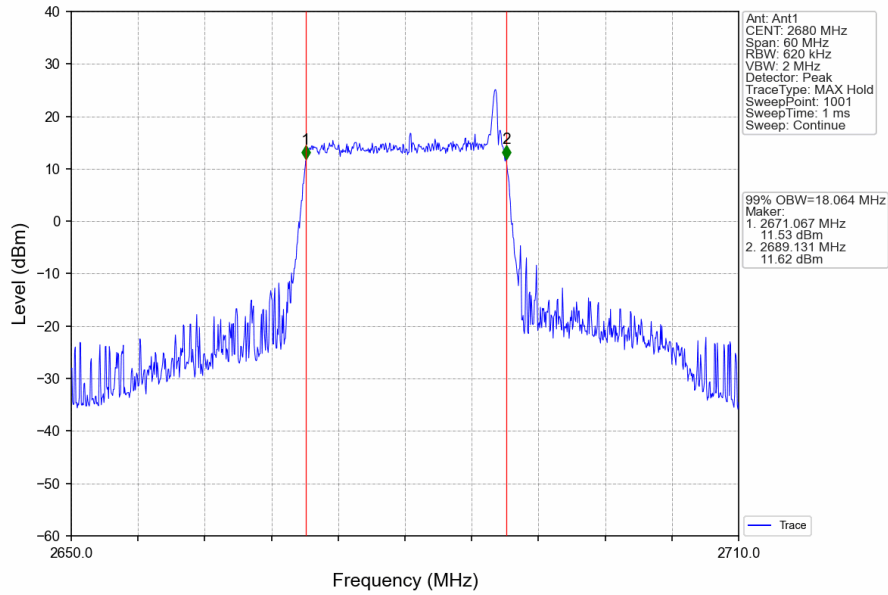
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



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	5.793	Pass
		2593	25	0	5.680	Pass
		2687.5	25	0	5.755	Pass
	16QAM	2498.5	25	0	5.324	Pass
		2593	25	0	5.627	Pass
		2687.5	25	0	4.925	Pass
10	QPSK	2501	50	0	9.806	Pass
		2593	50	0	9.876	Pass
		2685	50	0	10.424	Pass
	16QAM	2501	50	0	10.414	Pass
		2593	50	0	9.708	Pass
		2685	50	0	9.670	Pass
15	QPSK	2503.5	75	0	17.693	Pass
		2593	75	0	16.719	Pass
		2682.5	75	0	15.323	Pass
	16QAM	2503.5	75	0	15.233	Pass
		2593	75	0	15.309	Pass
		2682.5	75	0	15.658	Pass
20	QPSK	2506	100	0	20.718	Pass
		2593	100	0	20.032	Pass
		2680	100	0	20.416	Pass
	16QAM	2506	100	0	19.987	Pass
		2593	100	0	21.045	Pass
		2680	100	0	19.245	Pass