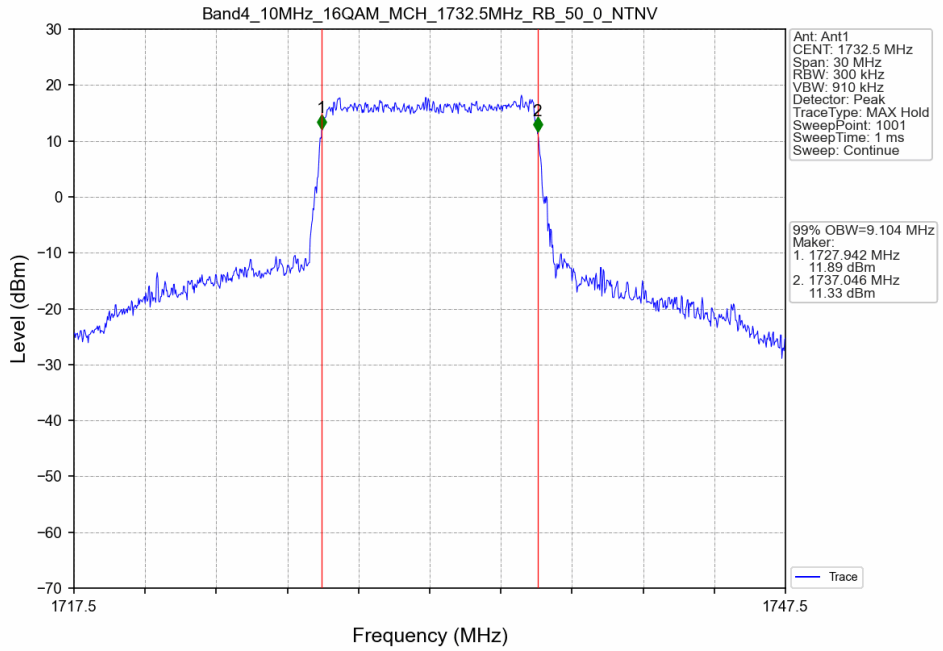
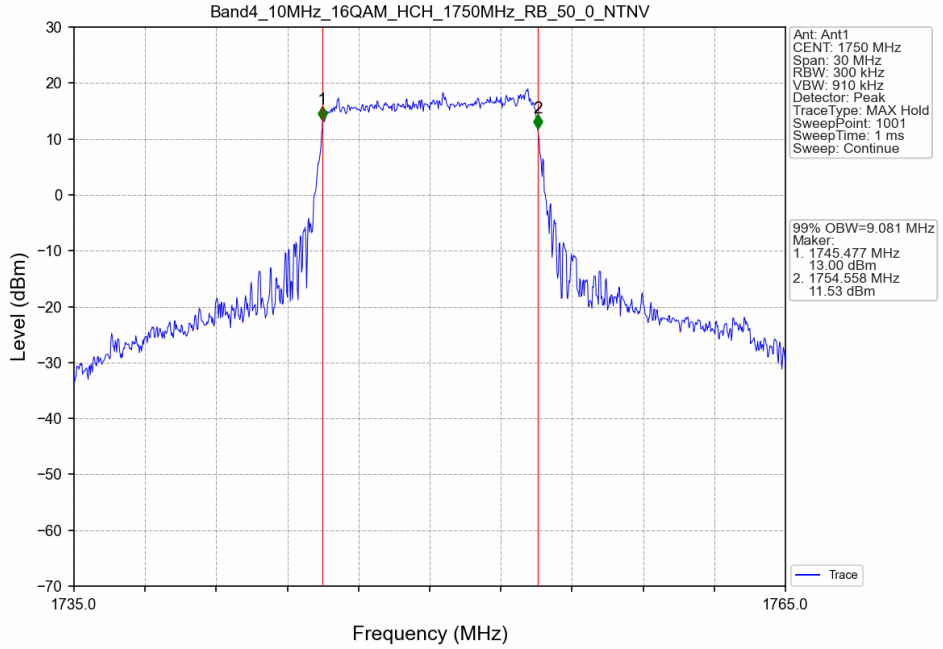
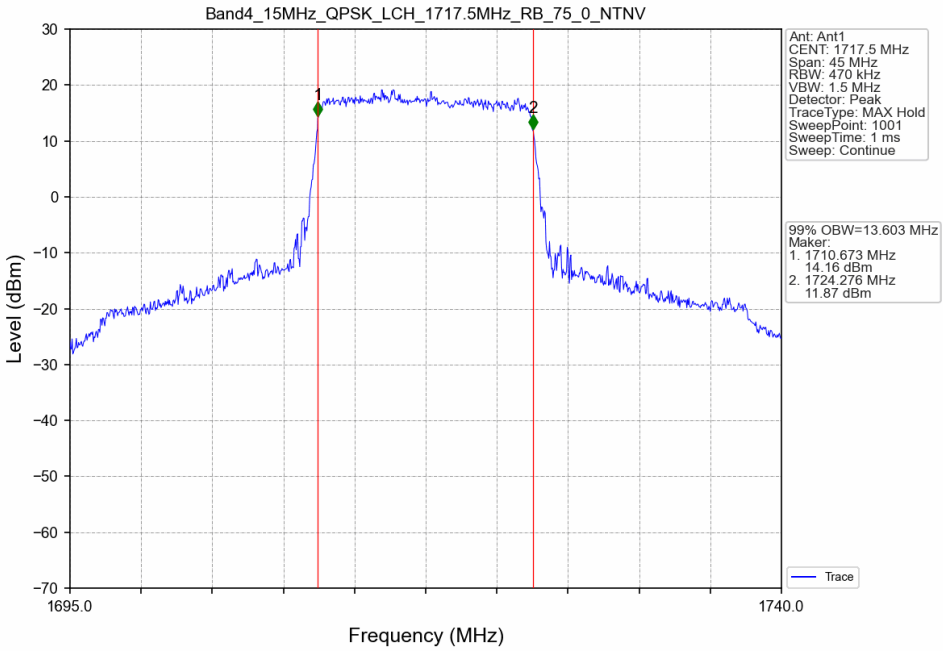
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



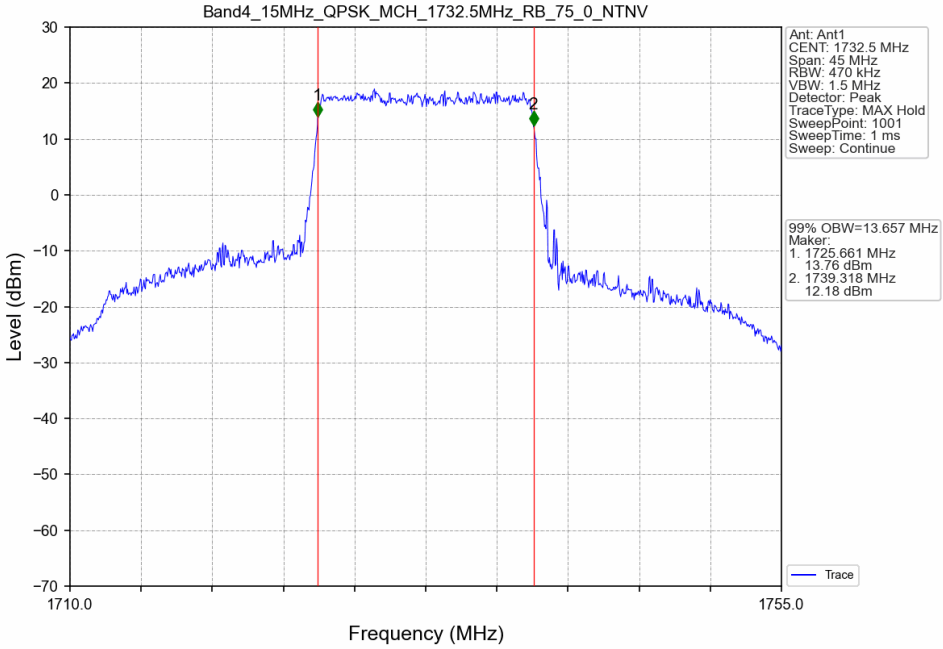
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



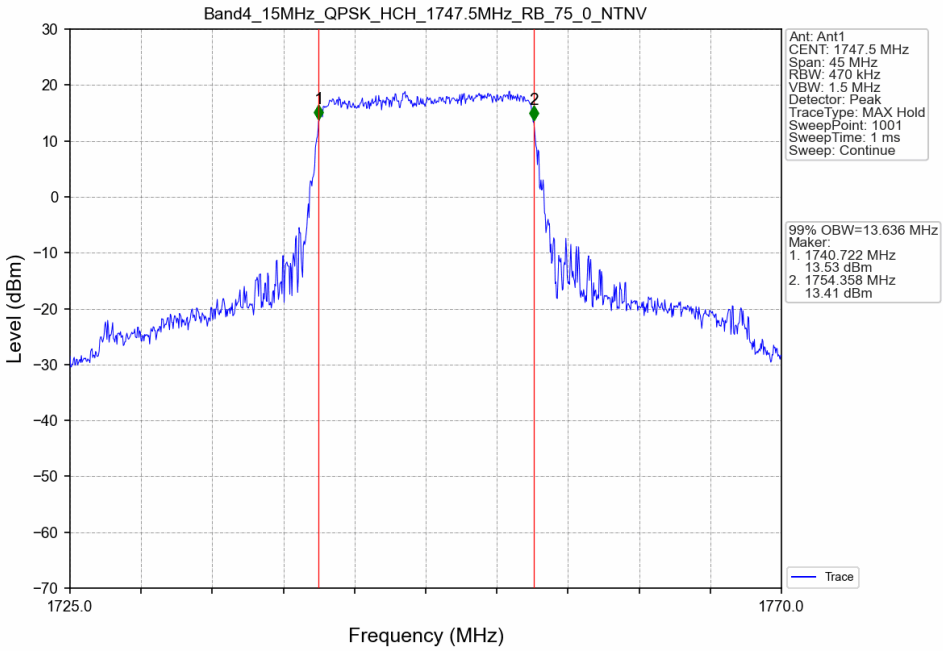
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



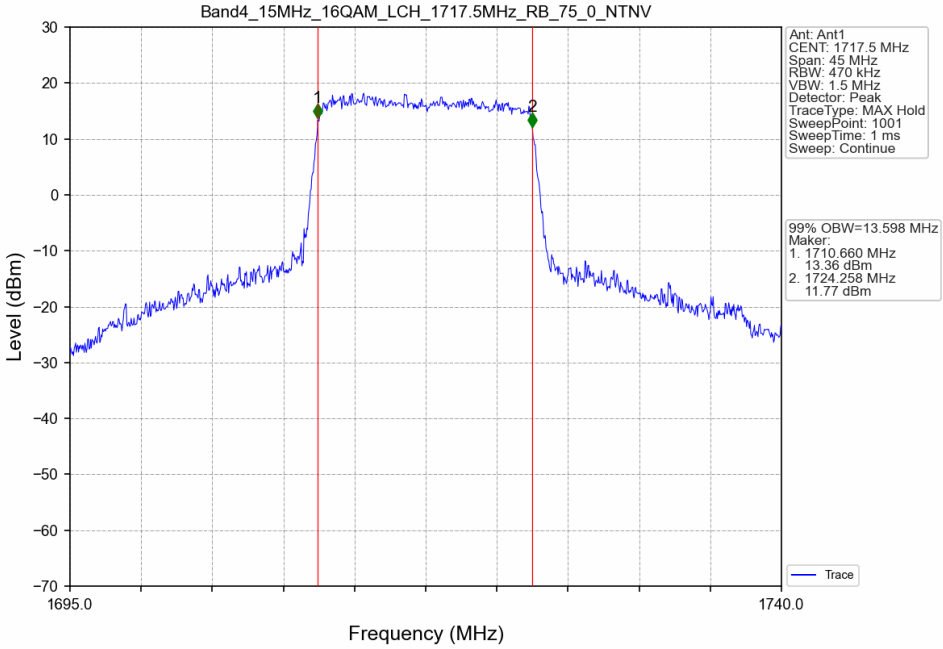
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



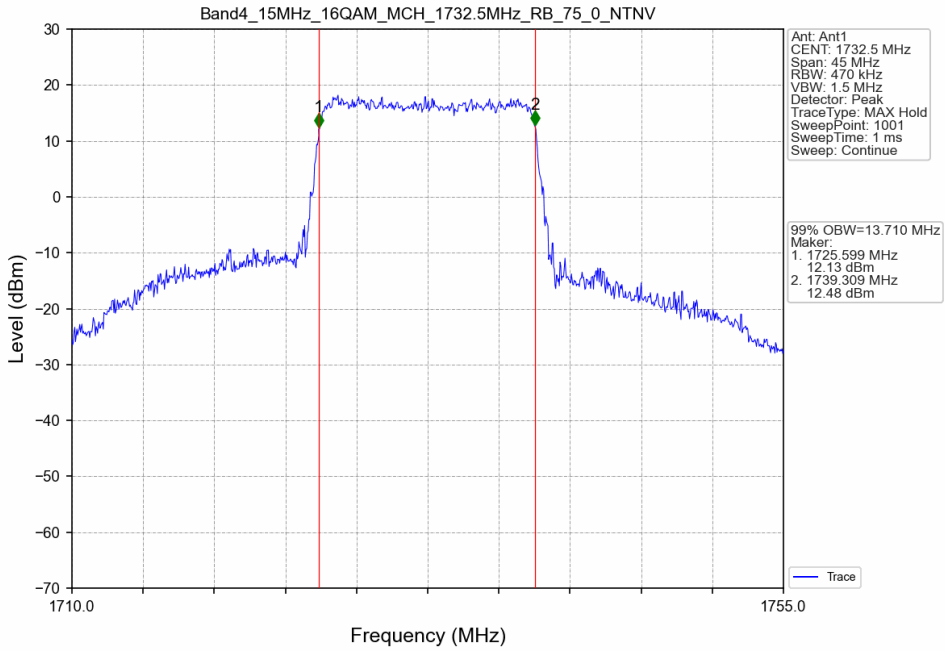
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



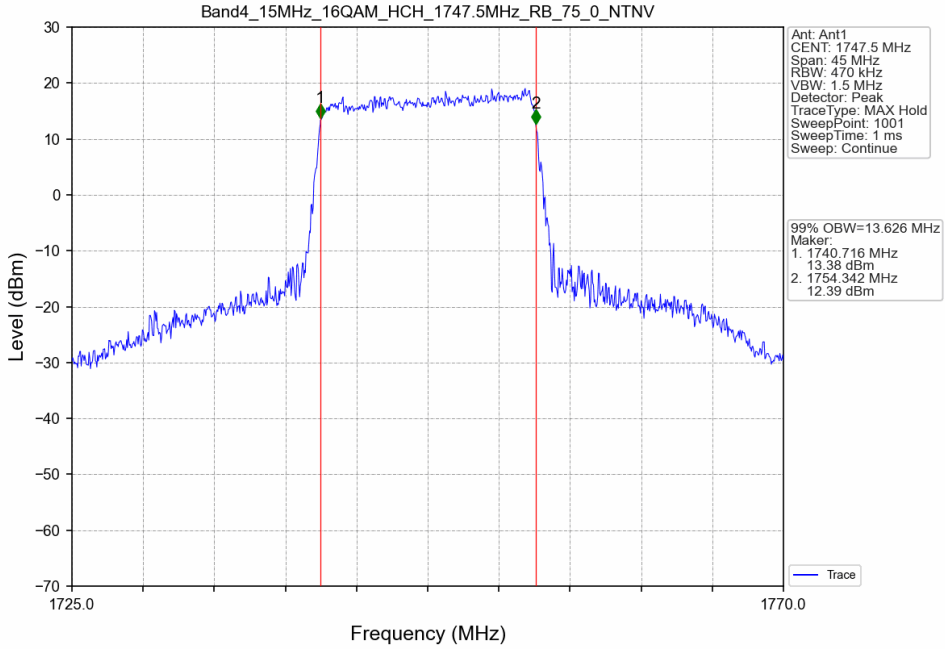
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



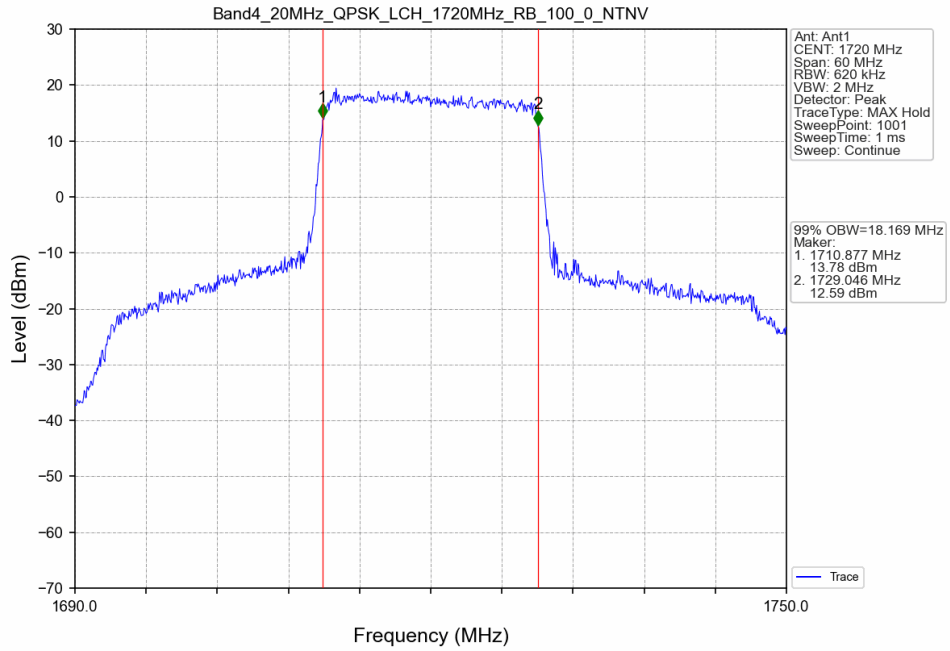
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



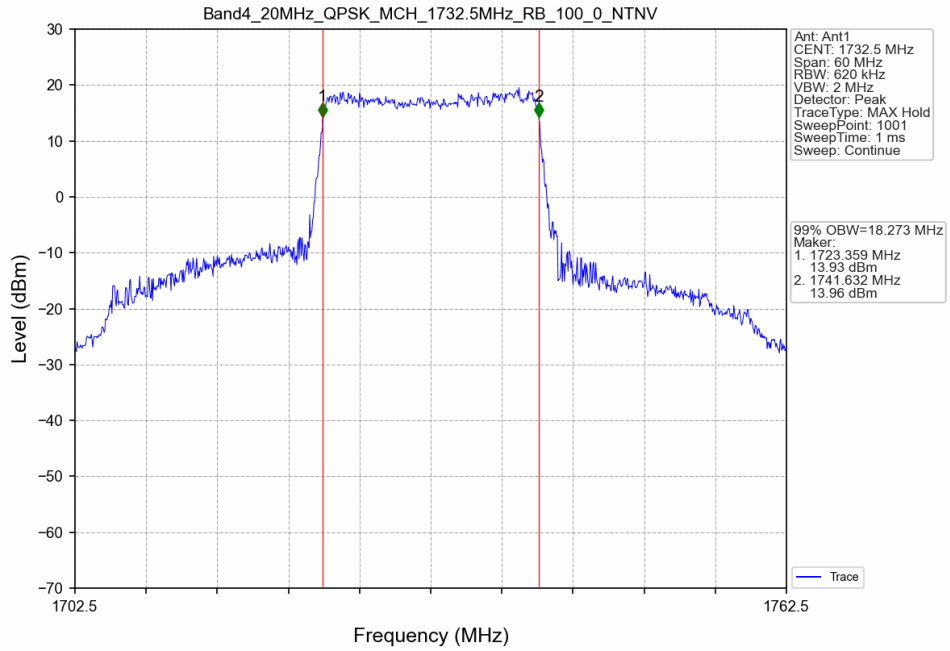
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



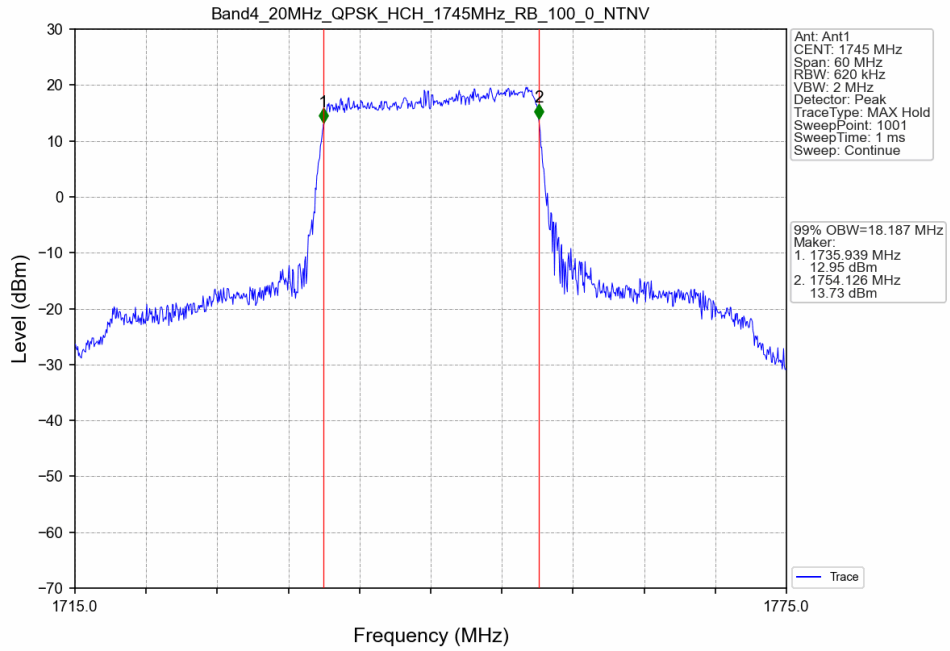
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



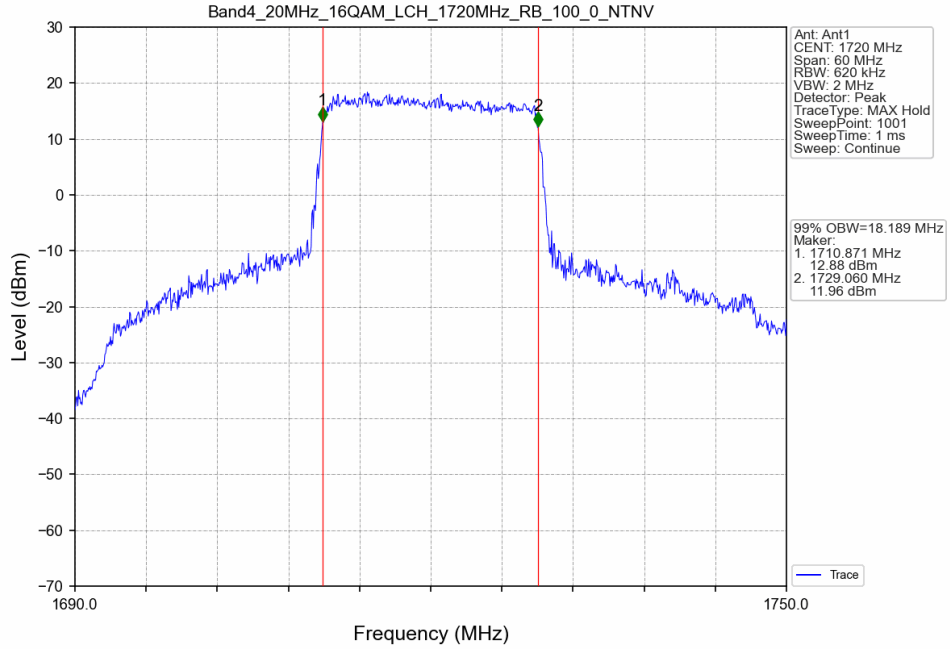
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



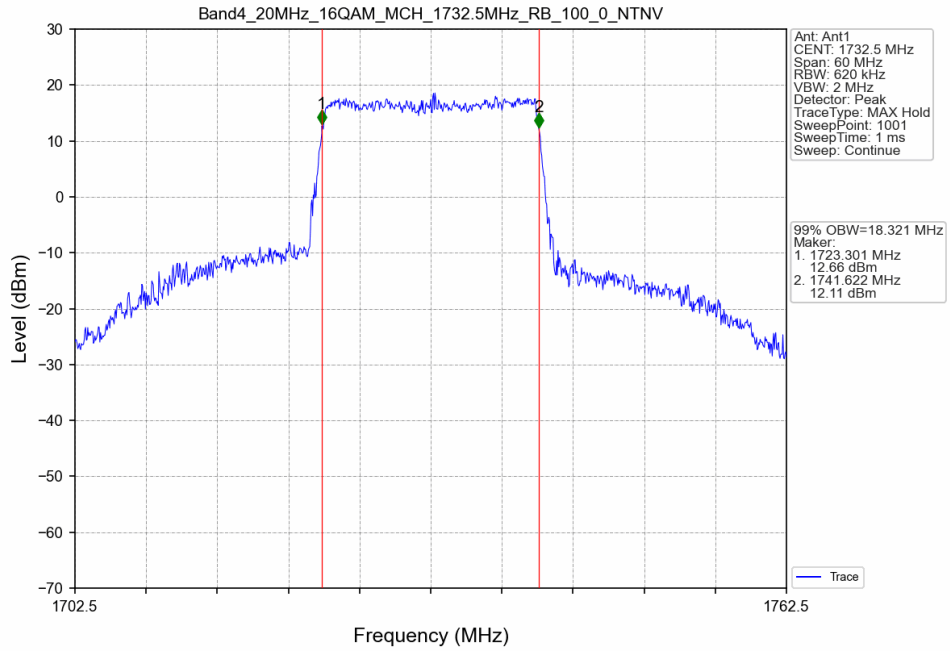
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



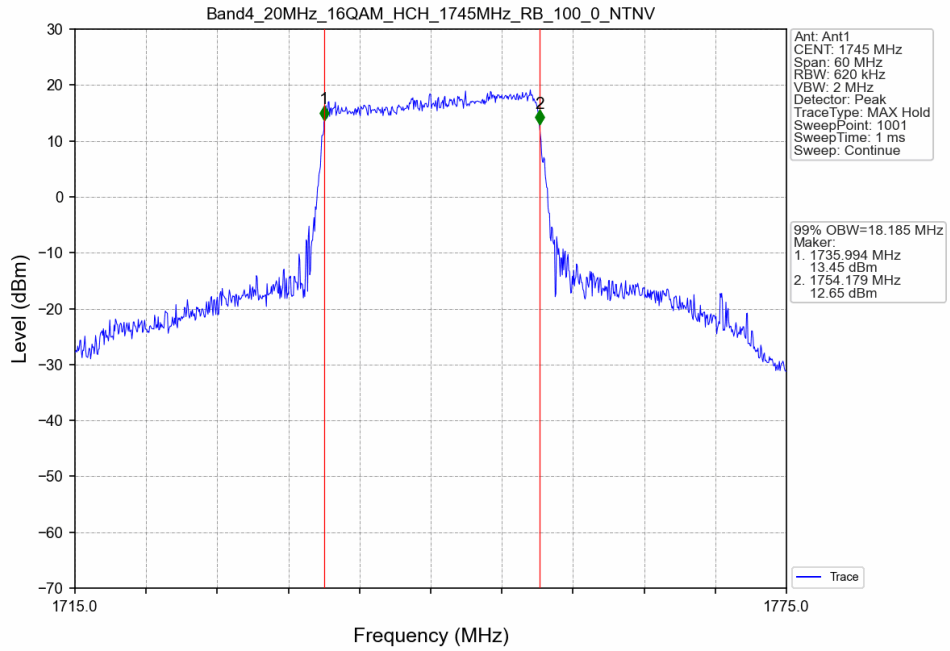
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



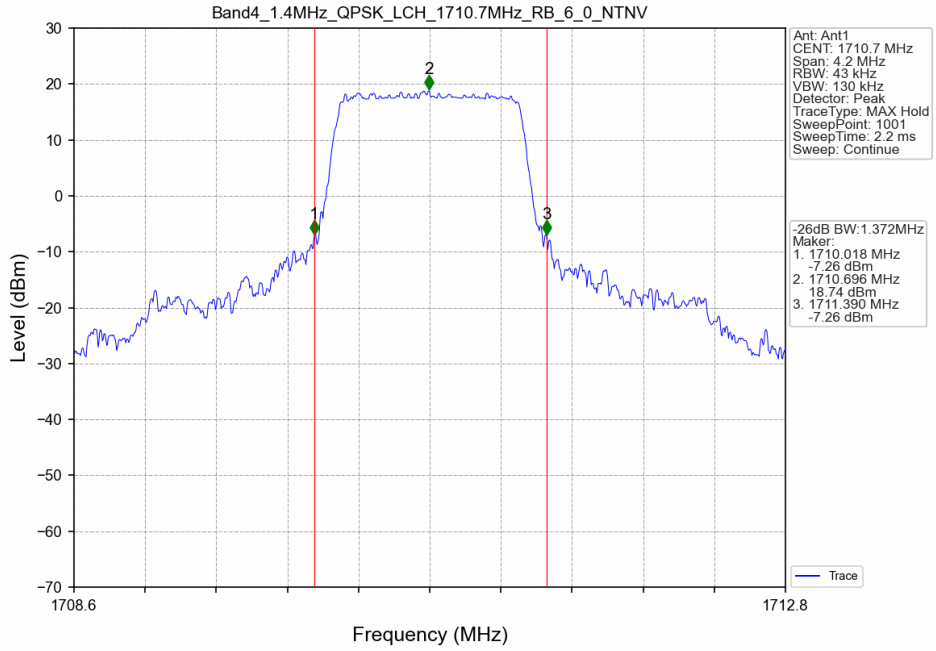
9.2 Band4_XDB

9.2.1 Test Result

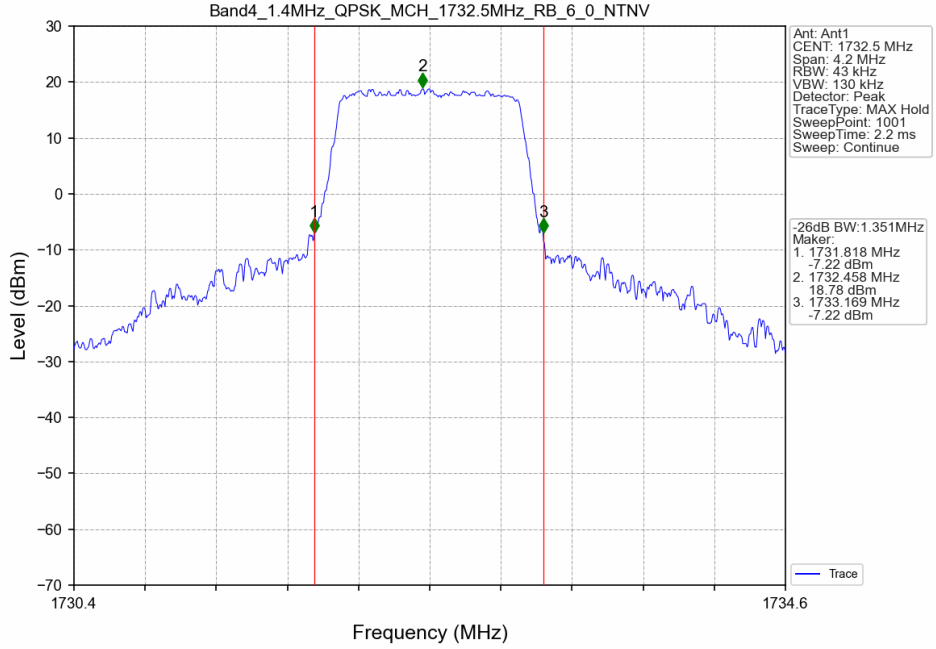
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.372	/	Pass
		1732.5	6	0	1.351	/	Pass
		1754.3	6	0	1.371	/	Pass
	16QAM	1710.7	6	0	1.481	/	Pass
		1732.5	6	0	1.539	/	Pass
		1754.3	6	0	1.496	/	Pass
3	QPSK	1711.5	15	0	3.183	/	Pass
		1732.5	15	0	3.360	/	Pass
		1753.5	15	0	3.450	/	Pass
	16QAM	1711.5	15	0	3.281	/	Pass
		1732.5	15	0	3.453	/	Pass
		1753.5	15	0	3.615	/	Pass
5	QPSK	1712.5	25	0	5.481	/	Pass
		1732.5	25	0	5.273	/	Pass
		1752.5	25	0	5.816	/	Pass
	16QAM	1712.5	25	0	5.702	/	Pass
		1732.5	25	0	5.876	/	Pass
		1752.5	25	0	5.602	/	Pass
10	QPSK	1715	50	0	10.500	/	Pass
		1732.5	50	0	10.498	/	Pass
		1750	50	0	10.409	/	Pass
	16QAM	1715	50	0	10.504	/	Pass
		1732.5	50	0	10.192	/	Pass
		1750	50	0	10.669	/	Pass
15	QPSK	1717.5	75	0	15.745	/	Pass
		1732.5	75	0	15.794	/	Pass
		1747.5	75	0	16.057	/	Pass
	16QAM	1717.5	75	0	15.289	/	Pass
		1732.5	75	0	15.560	/	Pass
		1747.5	75	0	15.157	/	Pass
20	QPSK	1720	100	0	20.270	/	Pass
		1732.5	100	0	20.828	/	Pass
		1745	100	0	20.769	/	Pass
	16QAM	1720	100	0	20.288	/	Pass
		1732.5	100	0	20.498	/	Pass
		1745	100	0	20.608	/	Pass

9.2.2 Test Graph

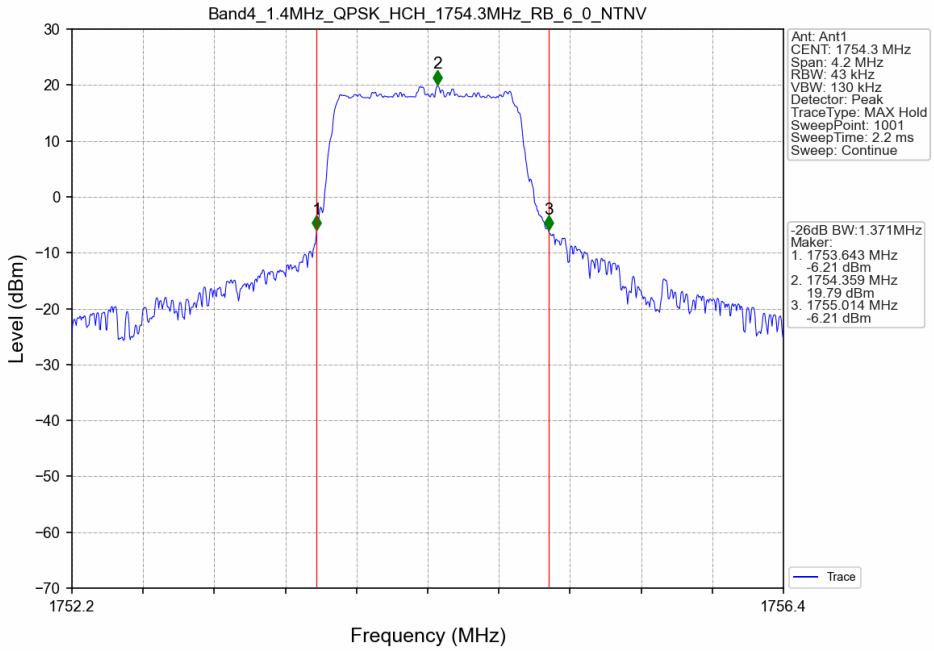
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



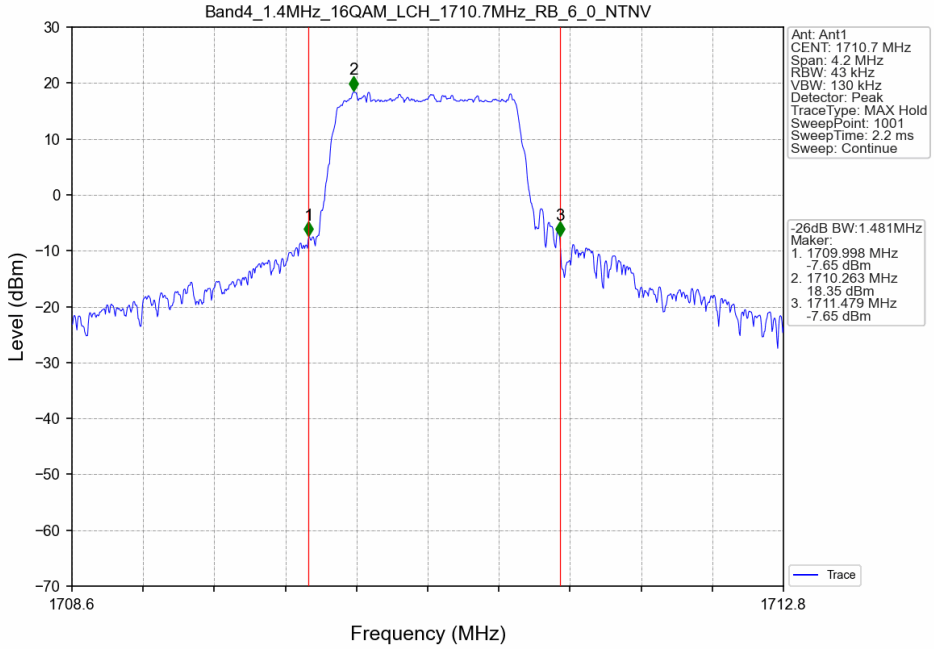
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



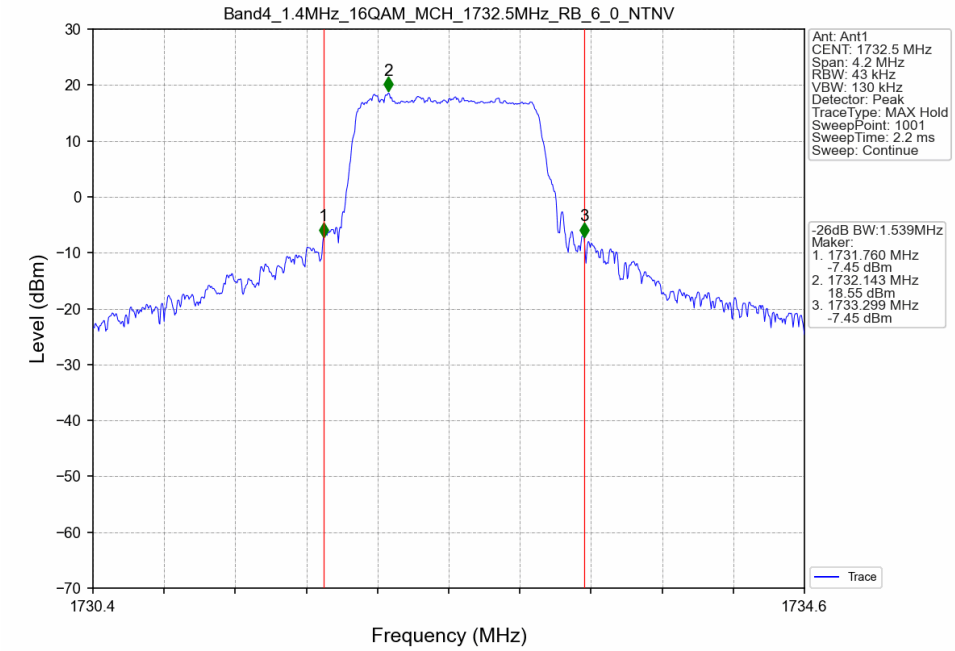
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



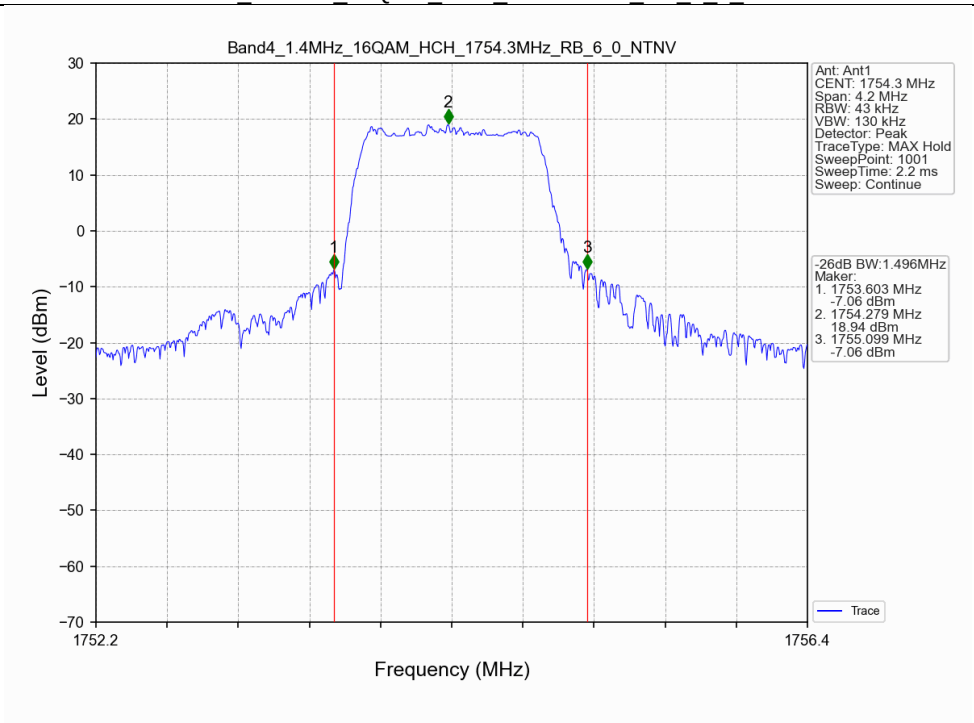
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



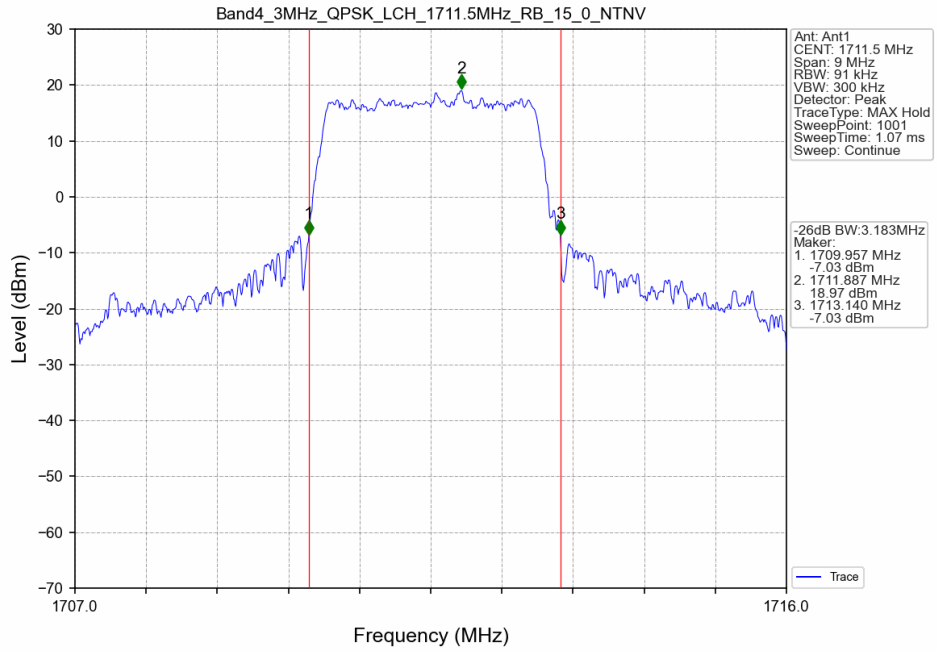
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



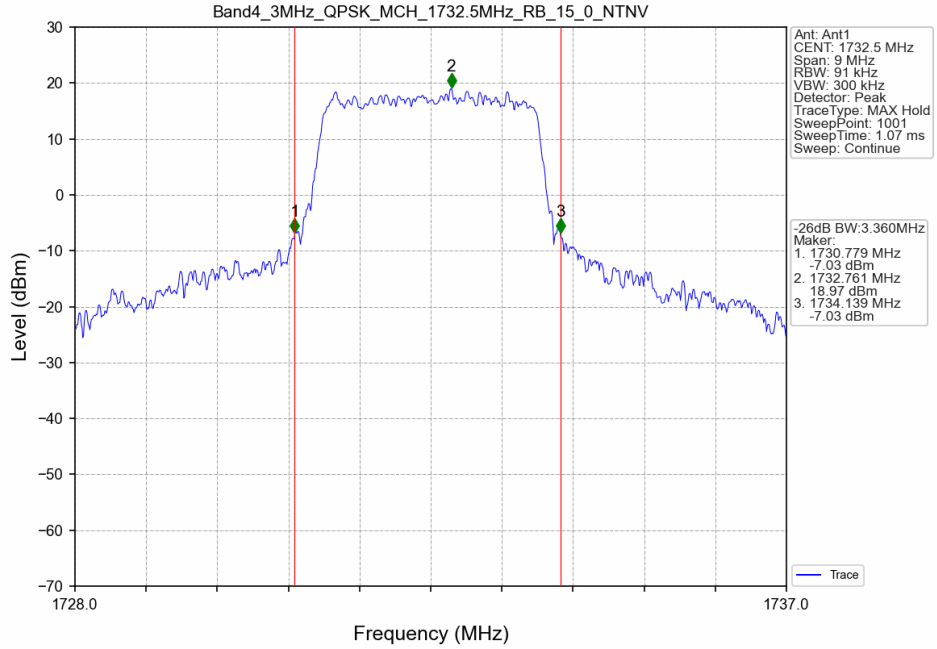
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



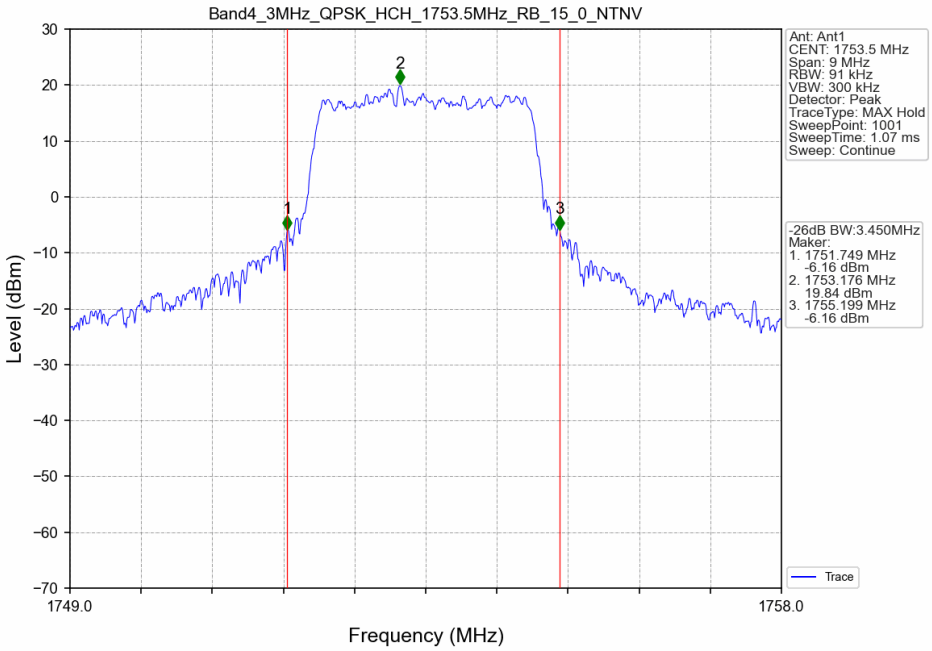
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



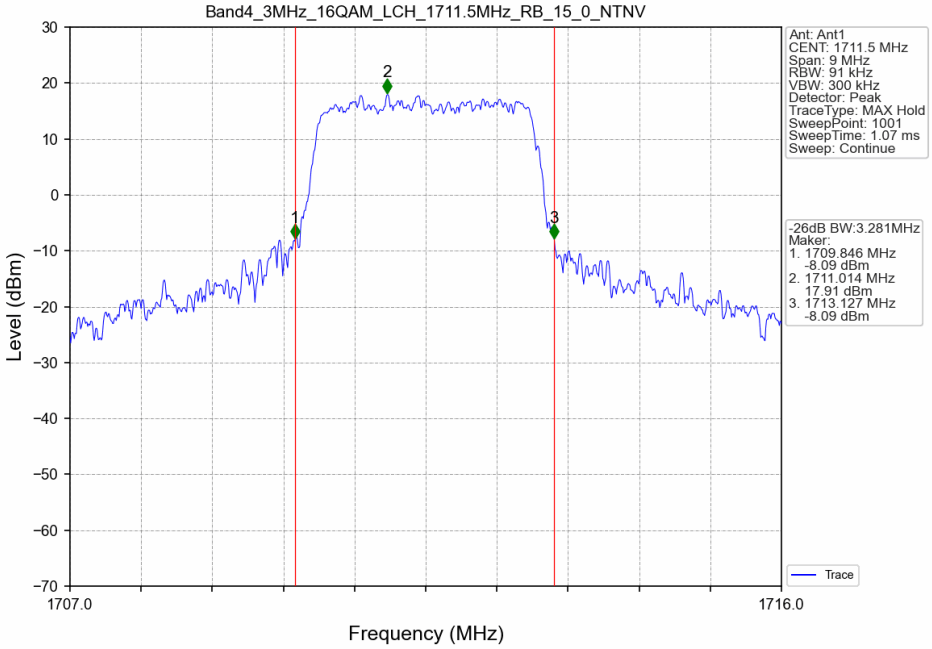
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



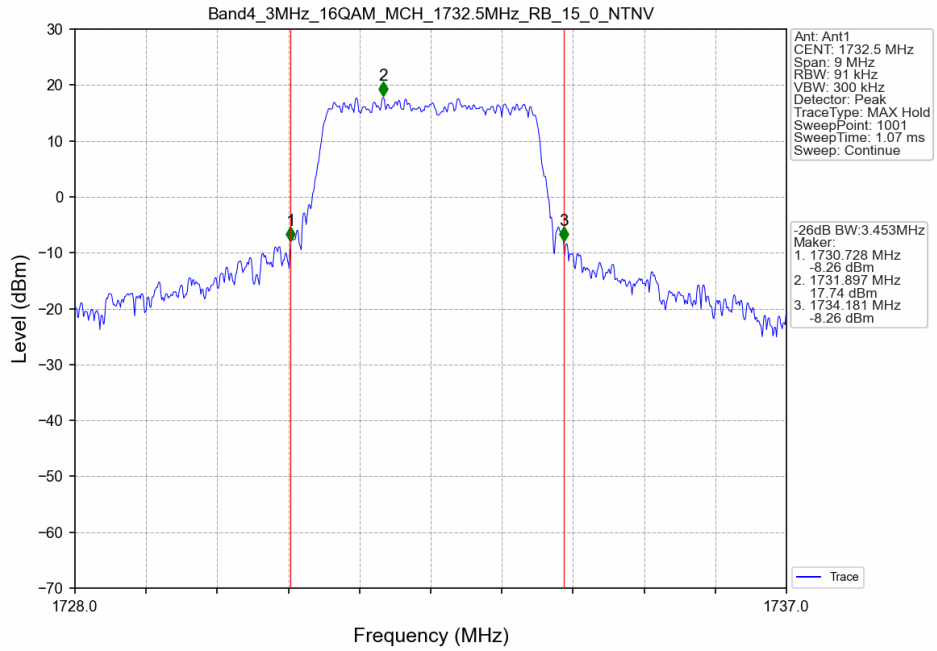
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



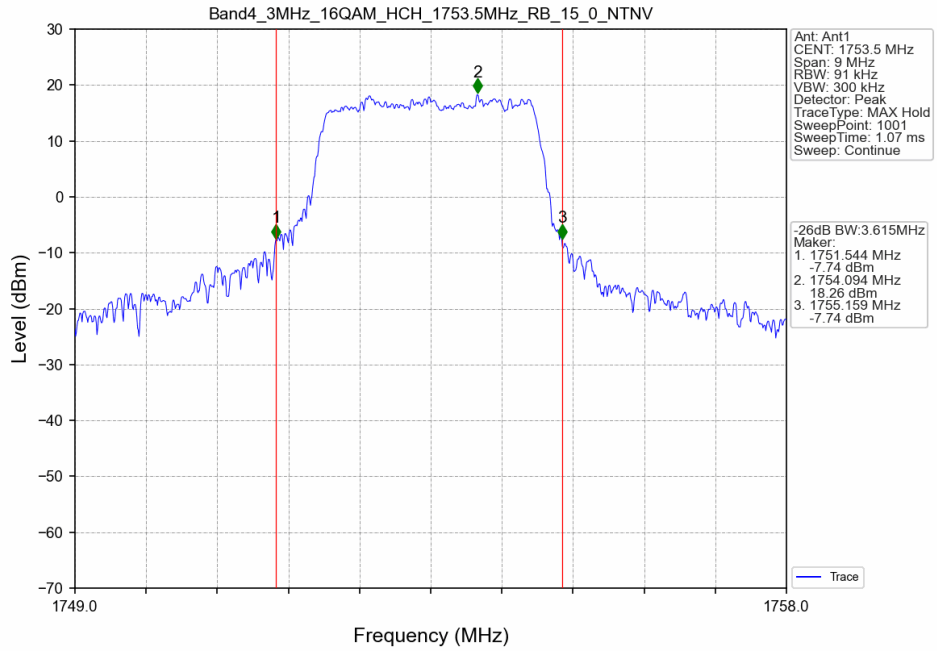
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



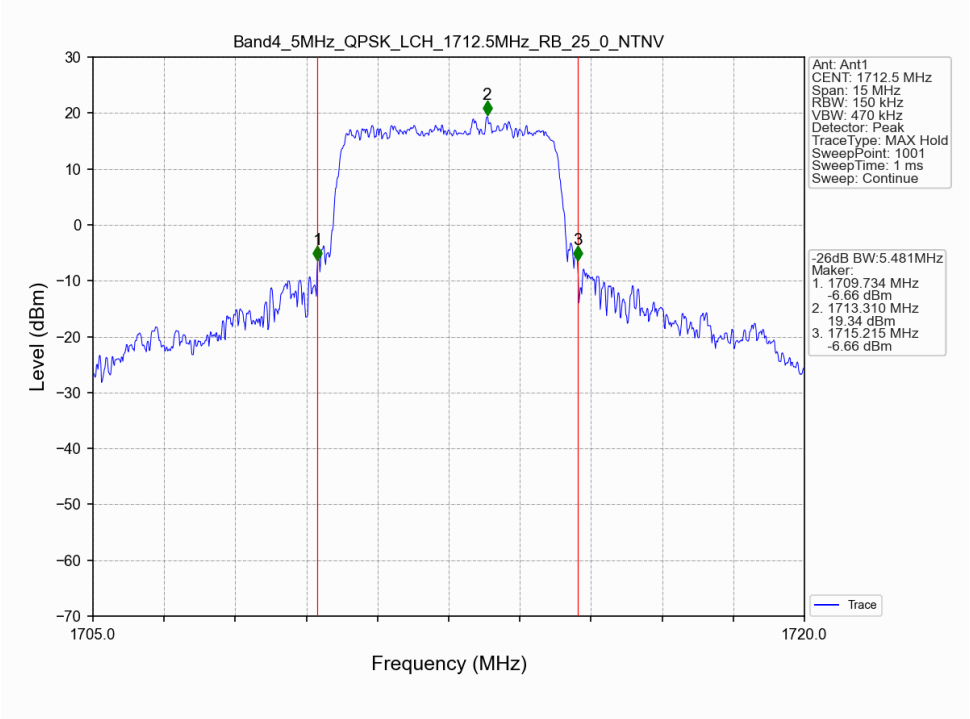
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



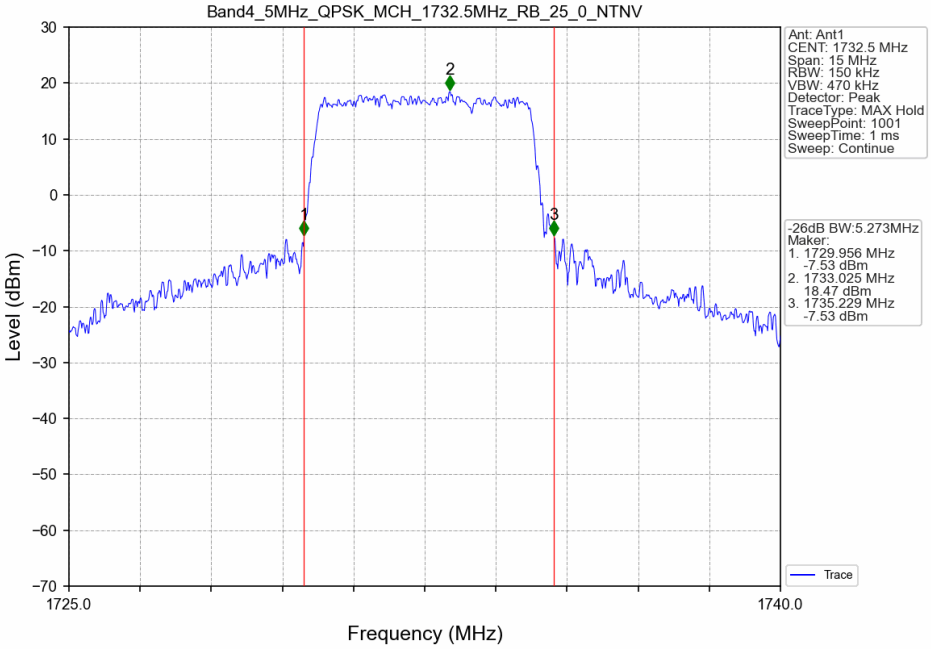
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



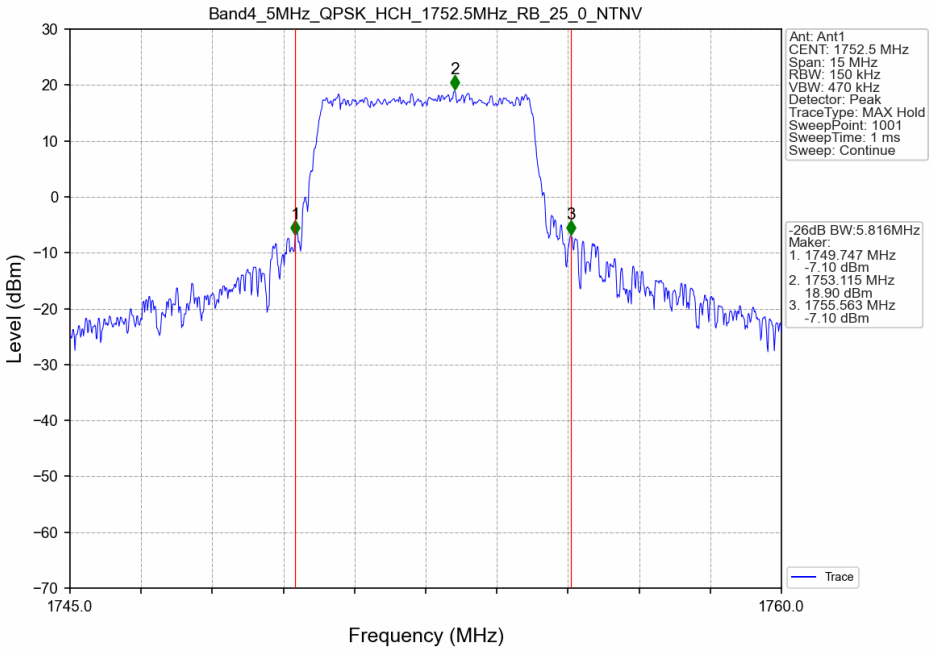
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



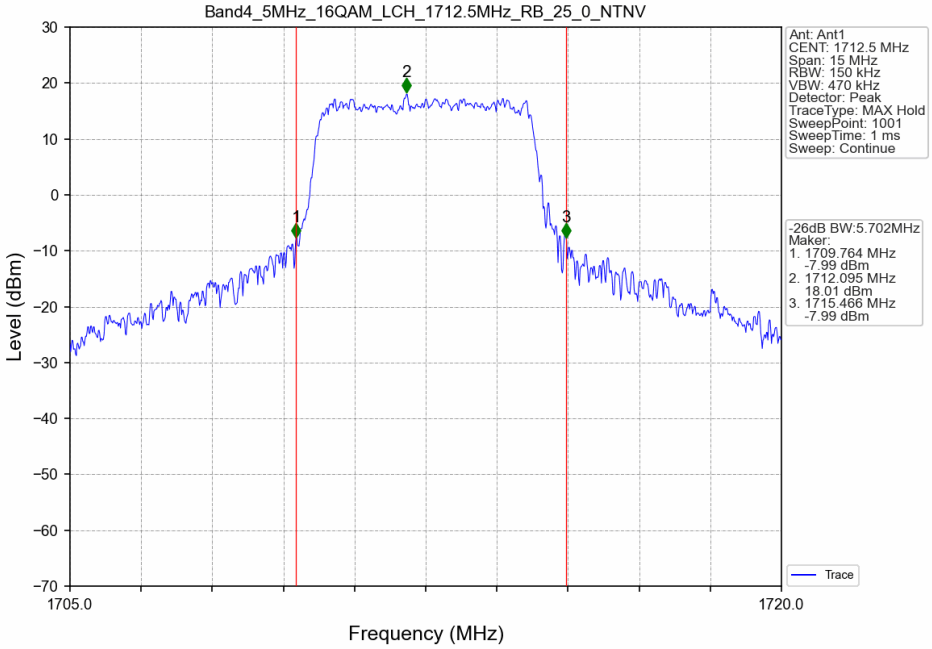
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



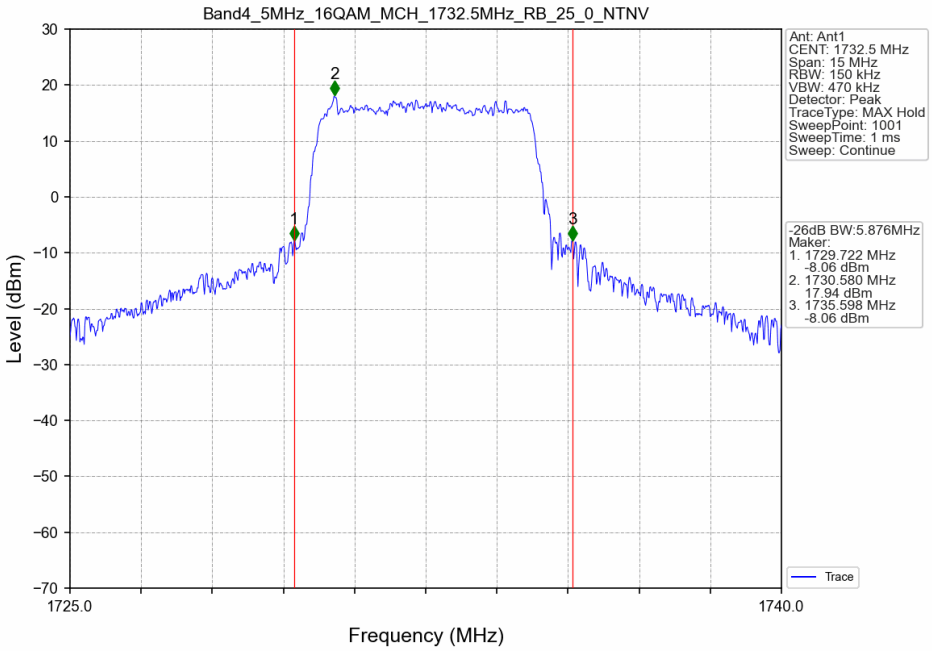
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



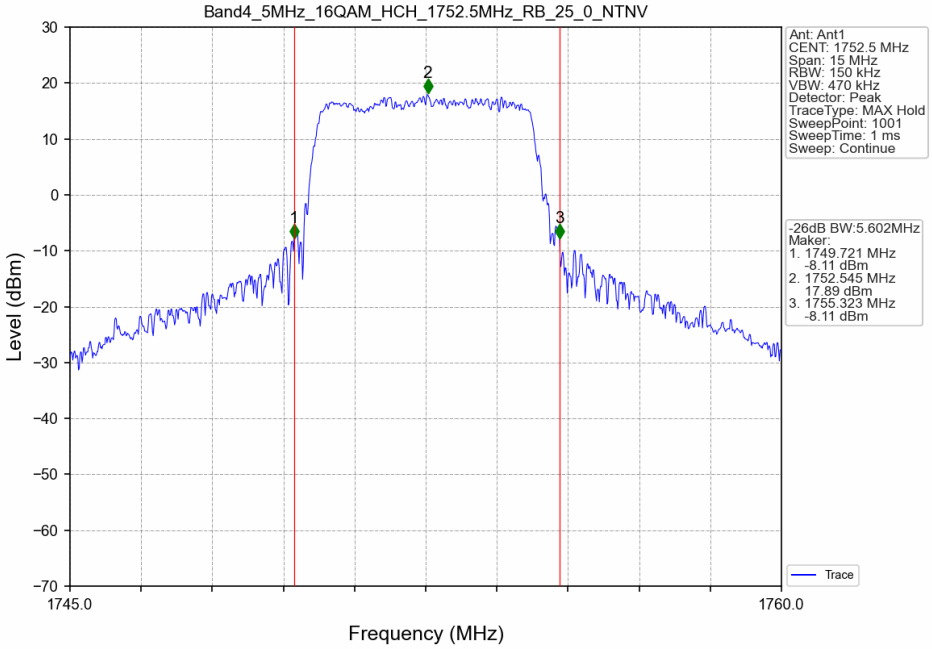
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



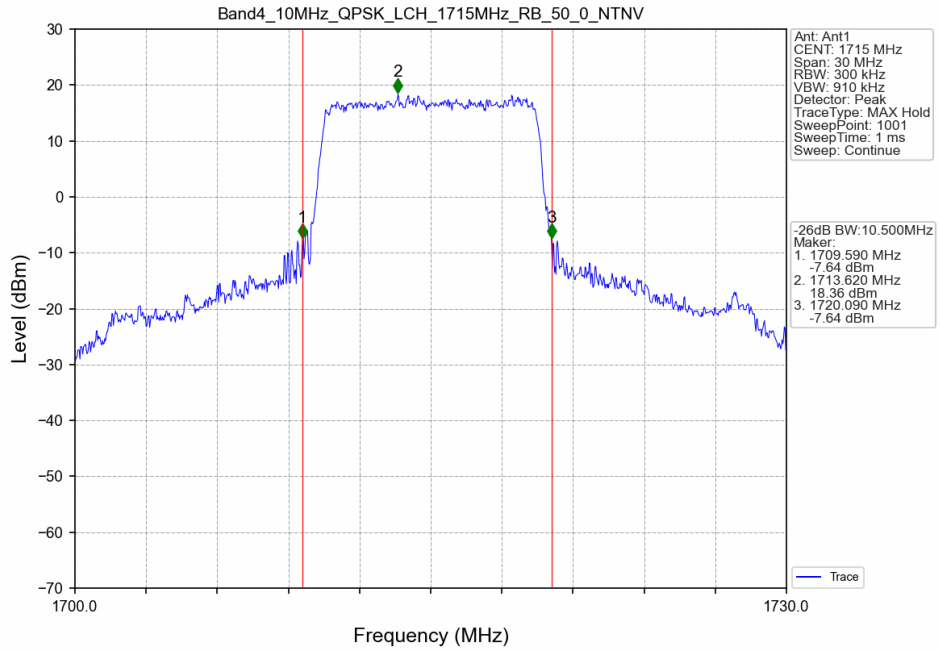
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



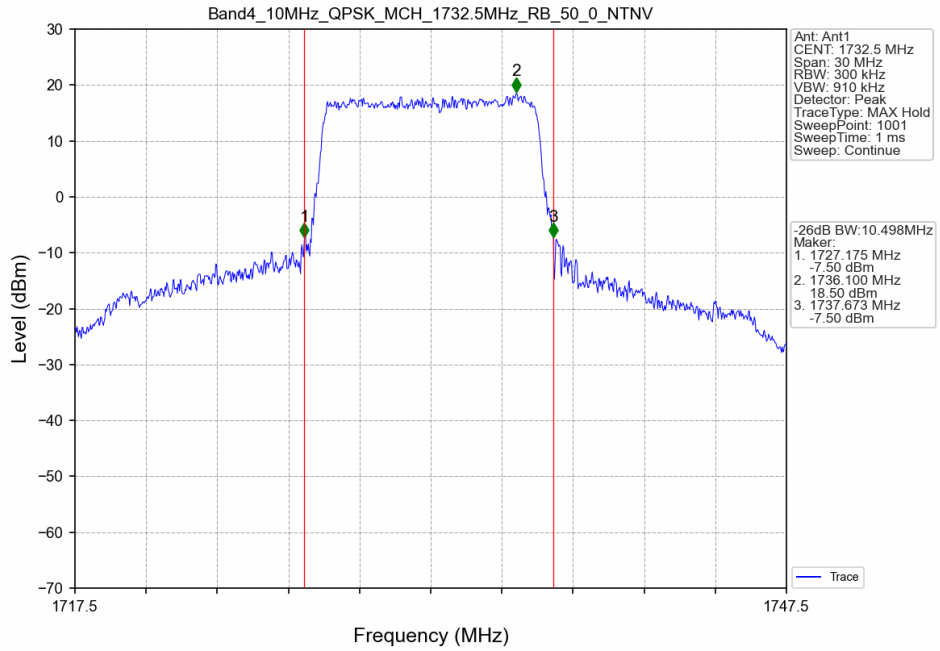
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



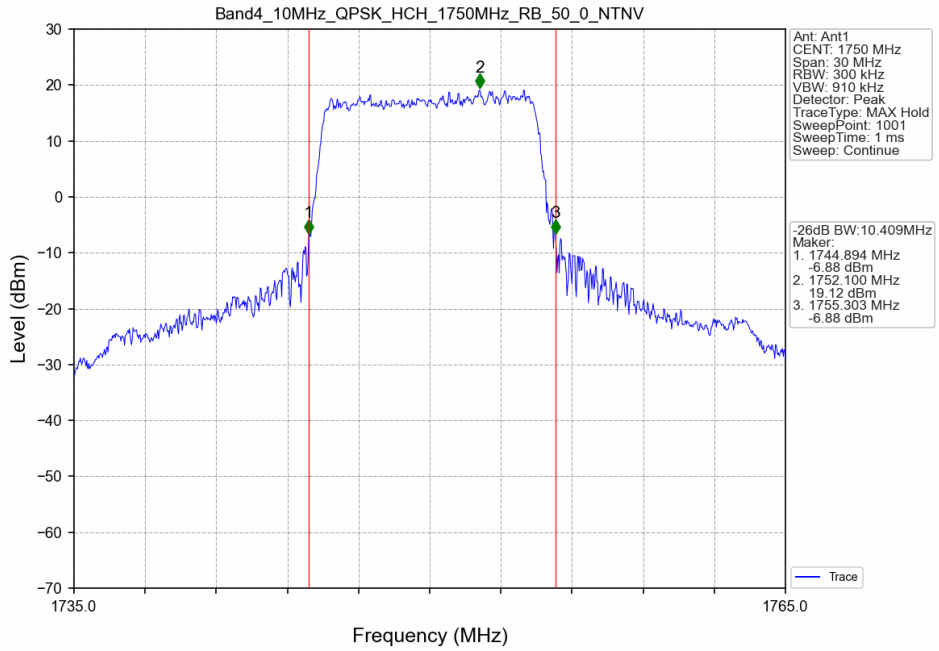
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



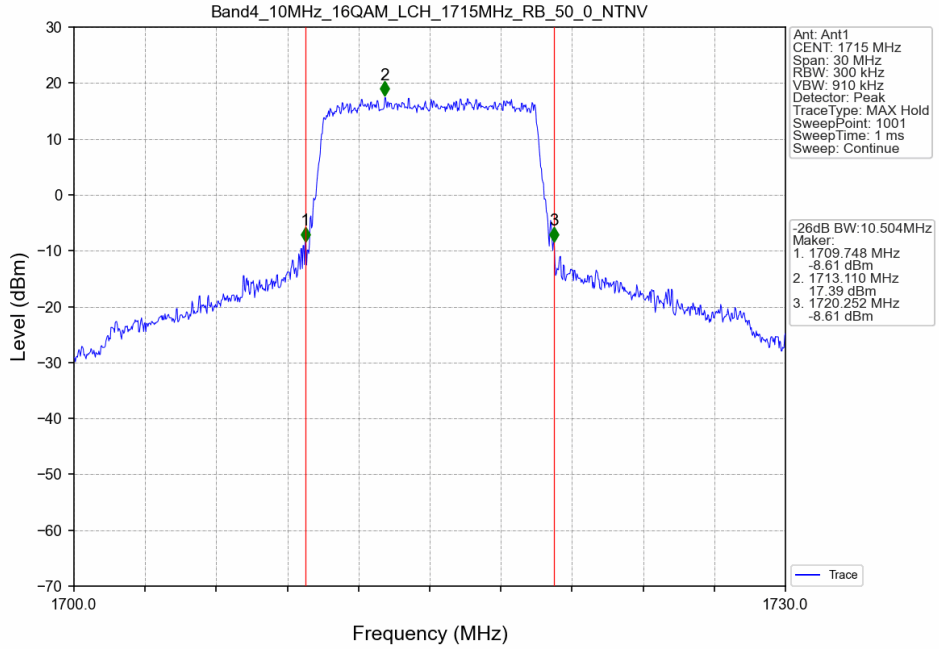
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



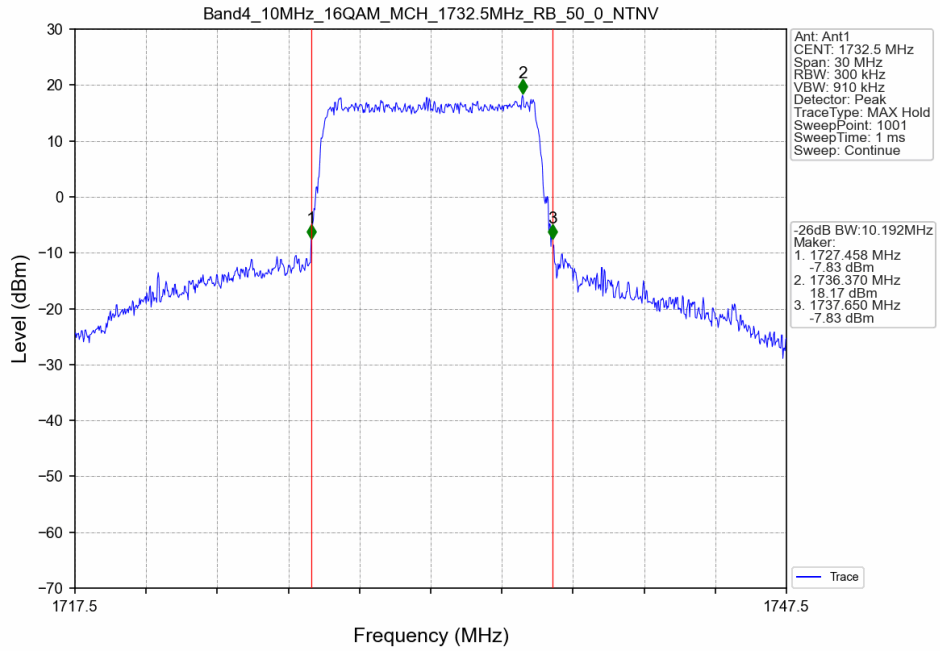
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



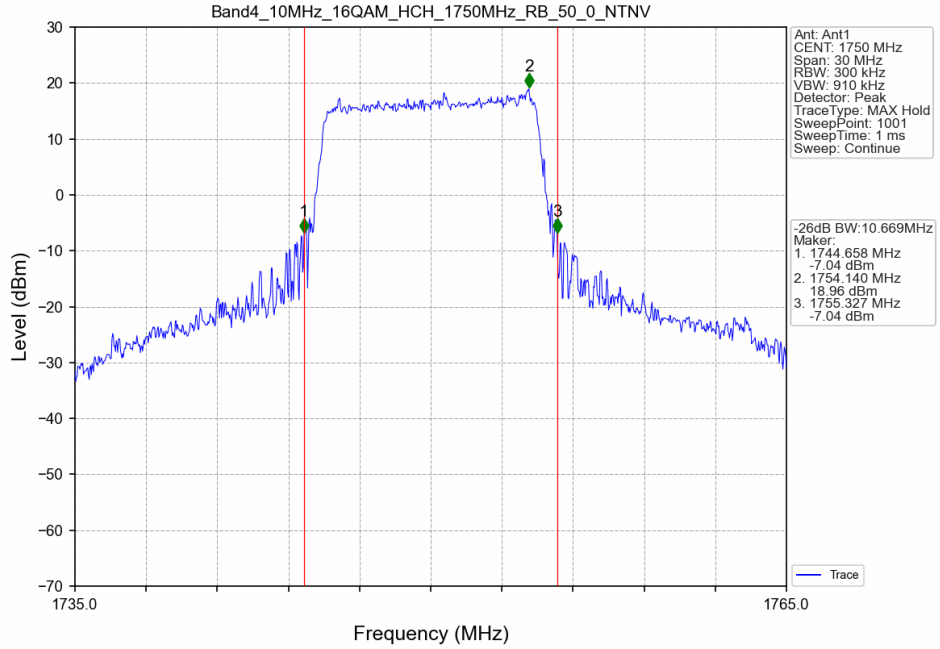
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



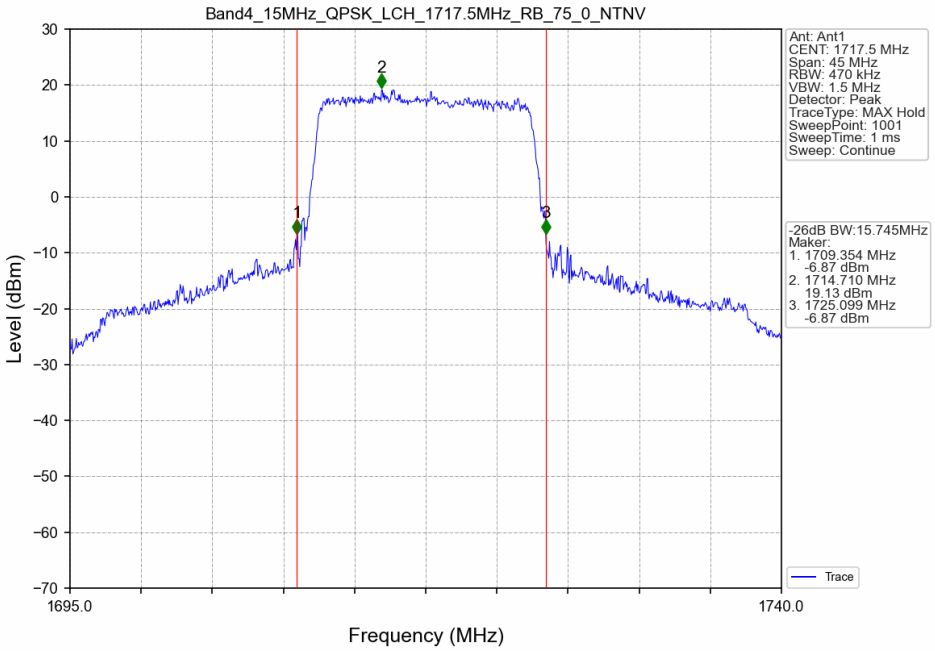
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



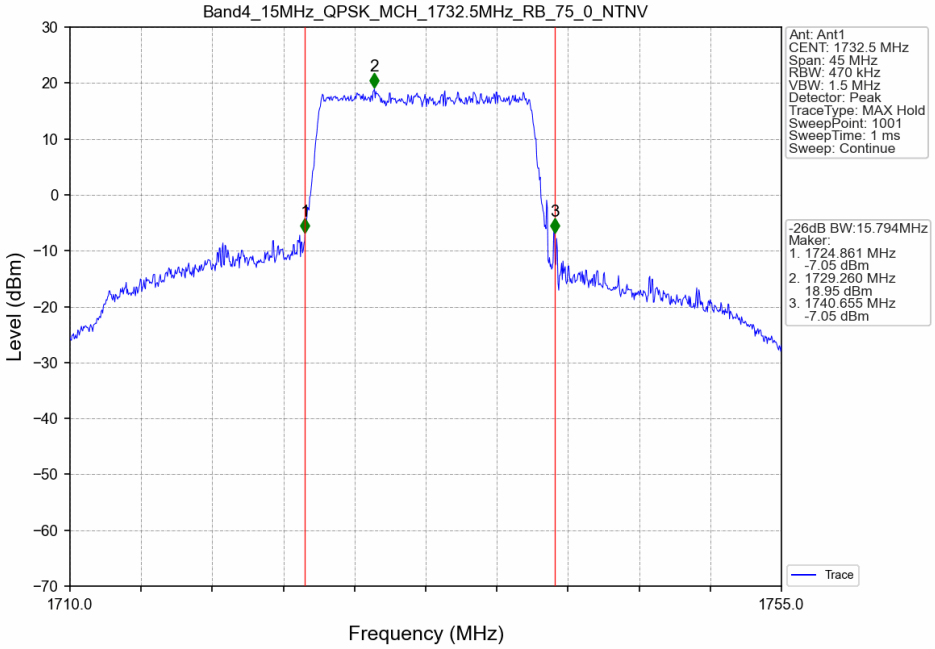
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



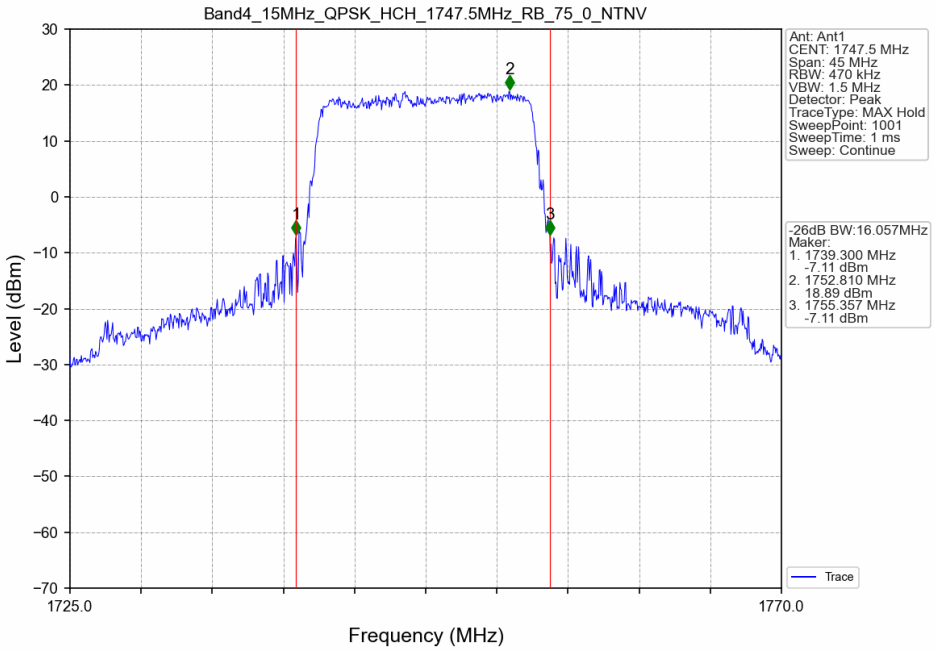
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



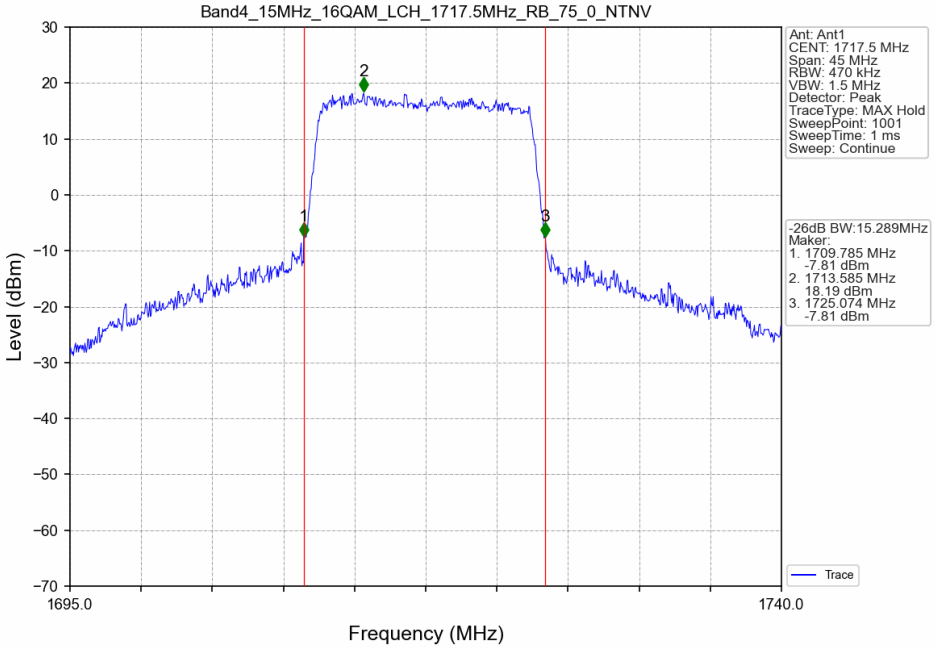
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



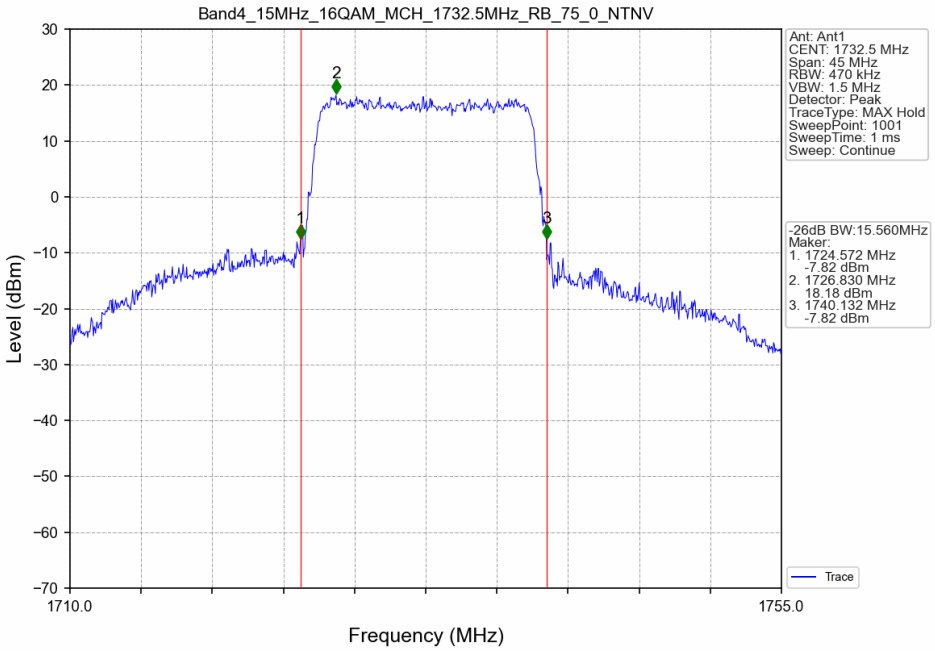
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



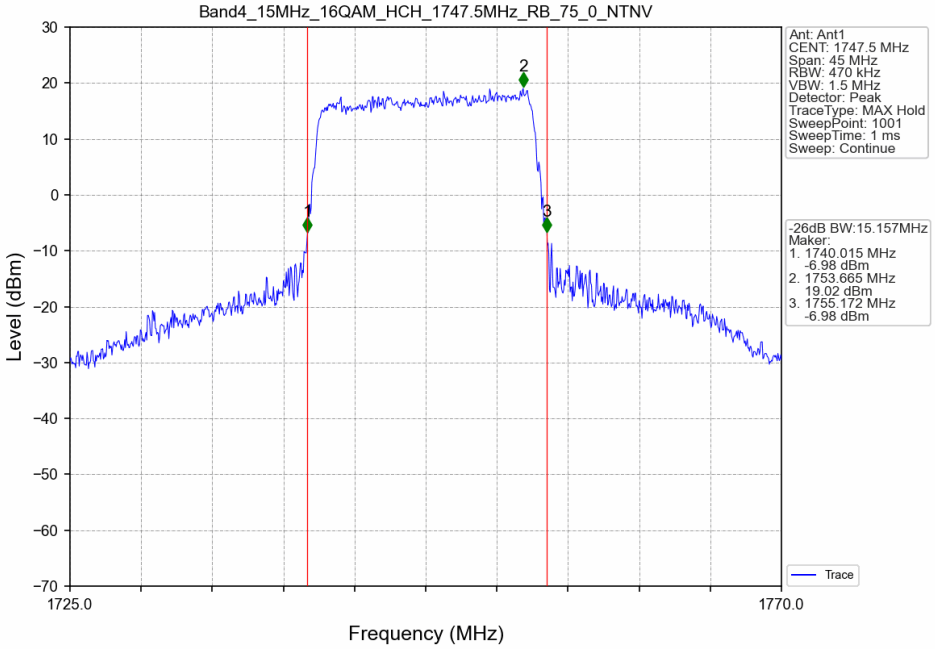
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



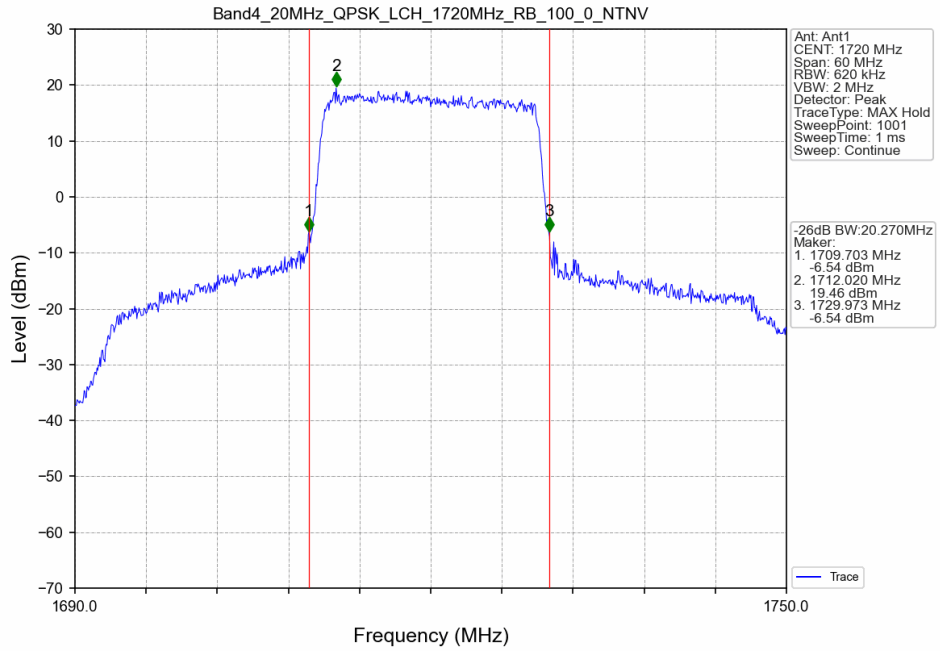
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



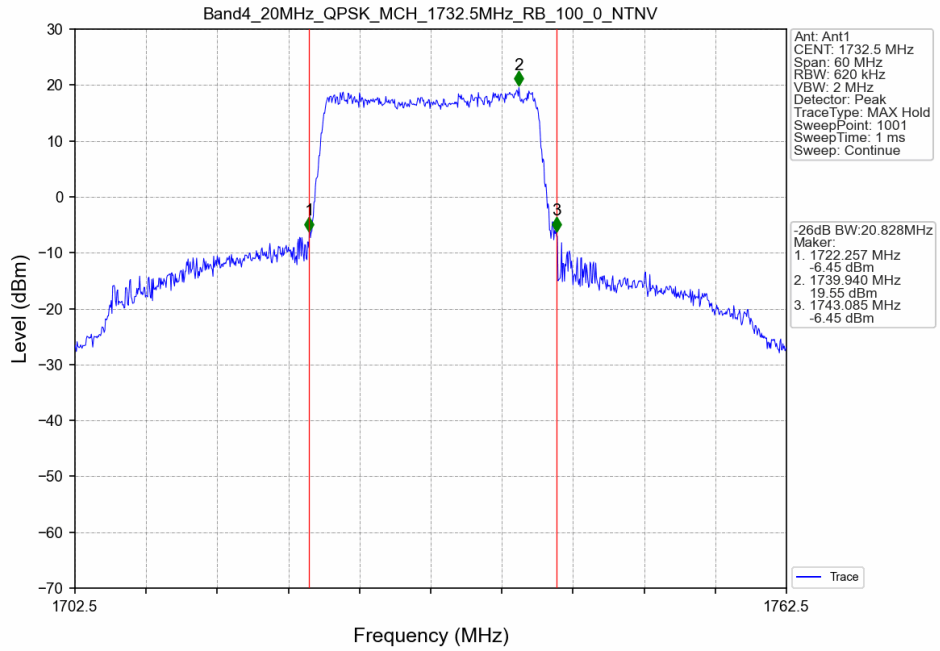
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



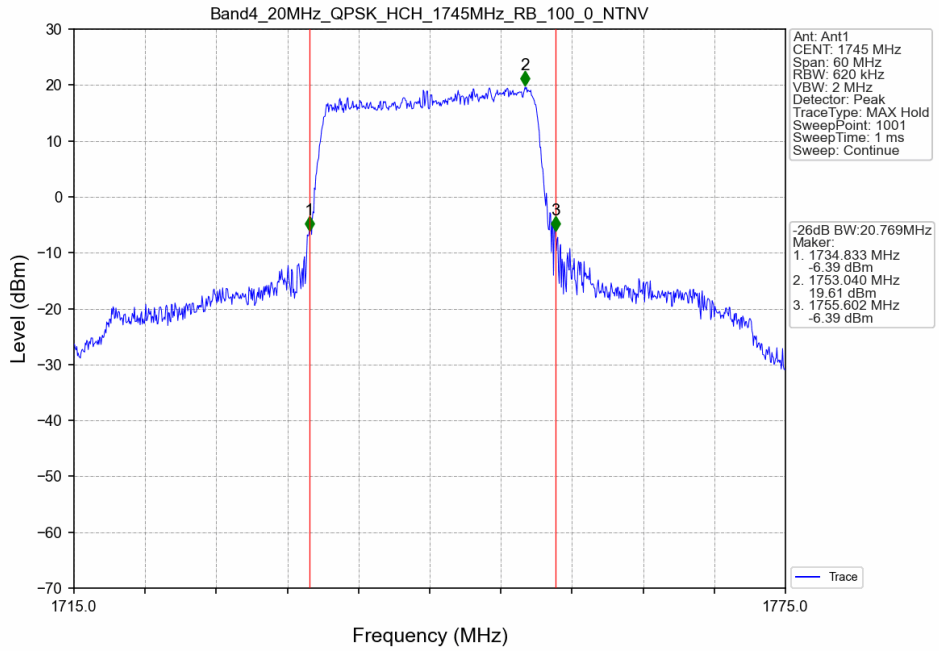
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



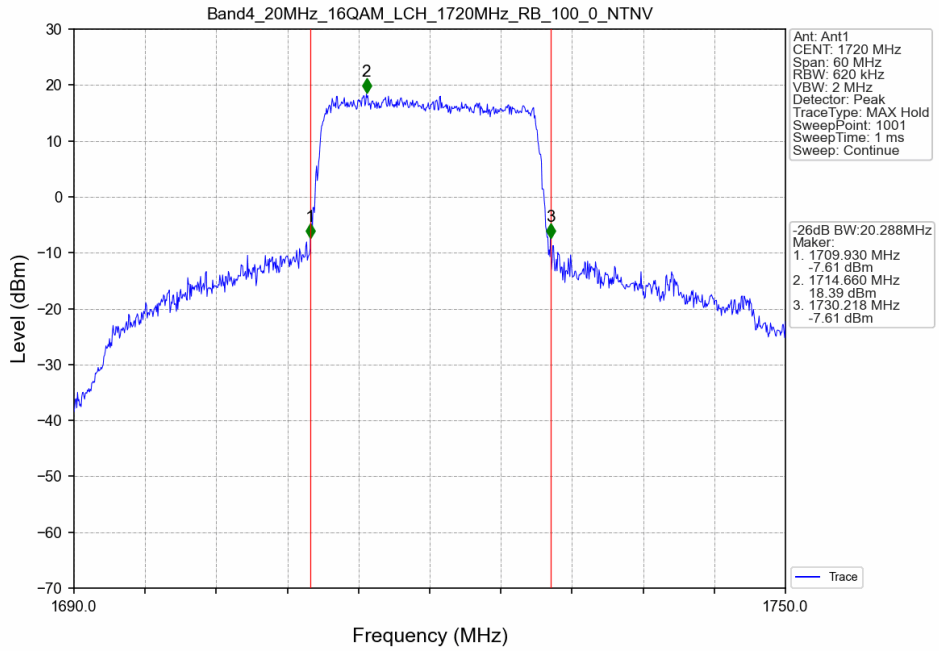
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



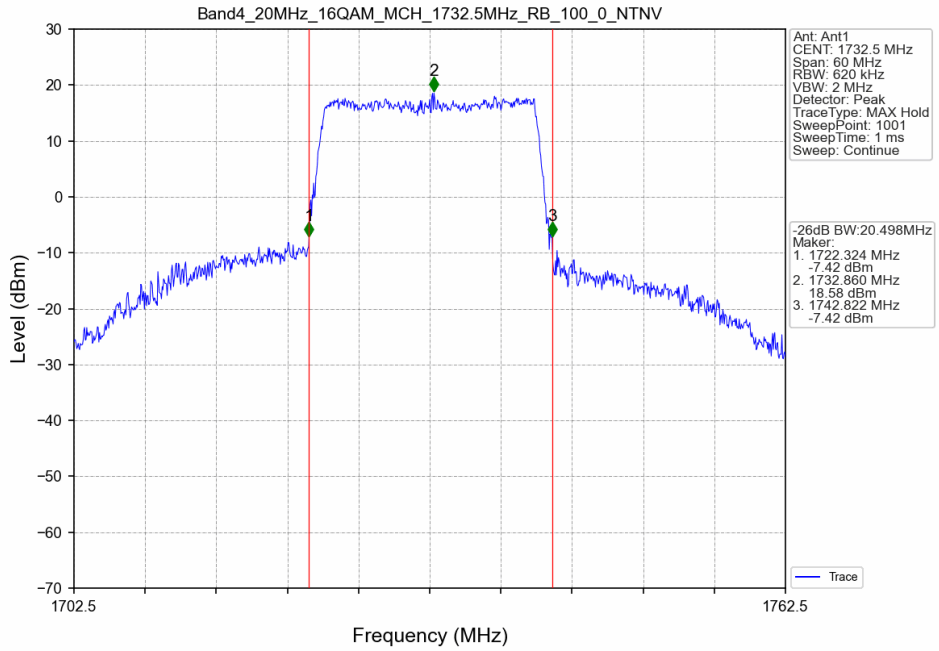
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



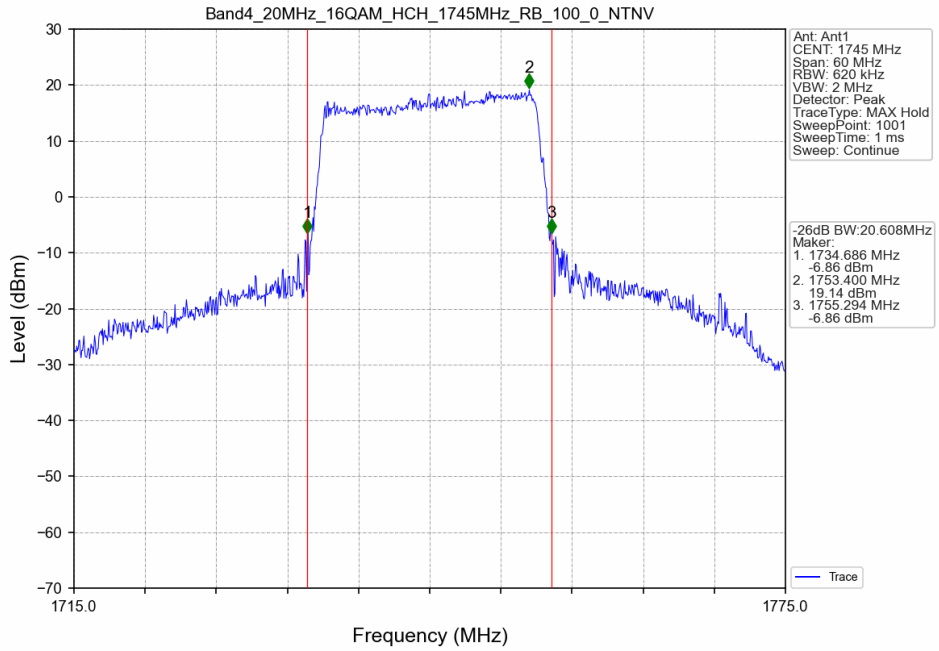
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



10. 99% & 26dB Bandwidth

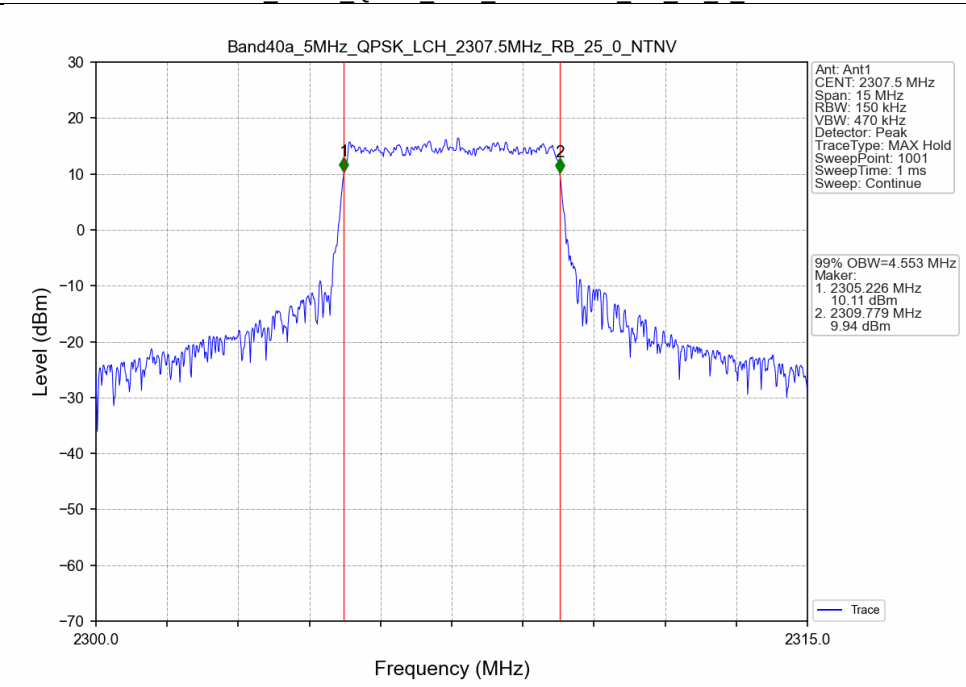
10.1 Band40a_OBW

10.1.1 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	4.553	/	Pass
		2310	25	0	4.528	/	Pass
		2312.5	25	0	4.578	/	Pass
	16QAM	2307.5	25	0	4.575	/	Pass
		2310	25	0	4.629	/	Pass
		2312.5	25	0	4.554	/	Pass
10	QPSK	2310	50	0	9.072	/	Pass
	16QAM	2310	50	0	8.993	/	Pass

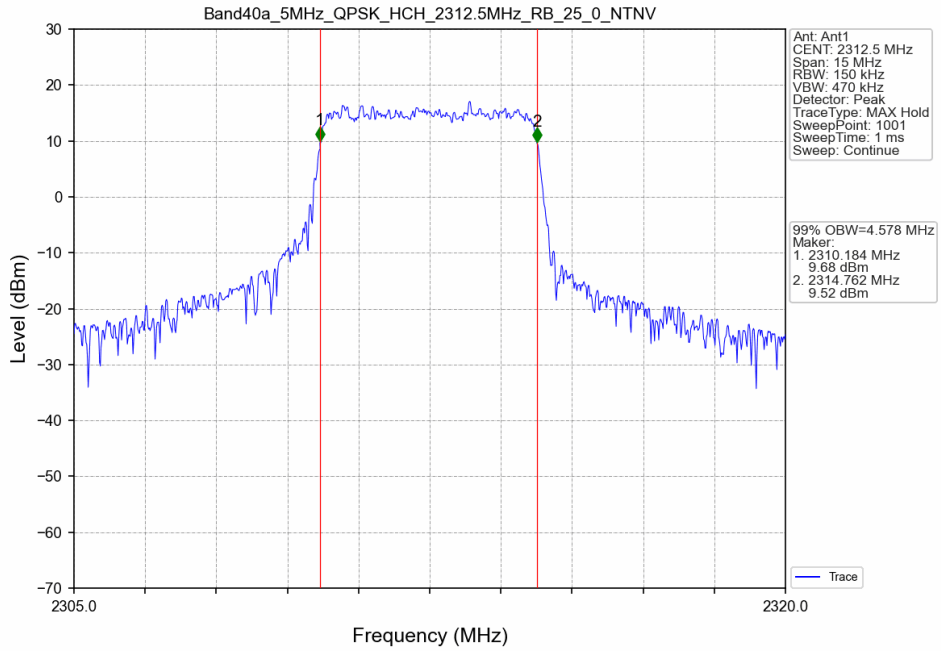
10.1.2 Test Graph

Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV

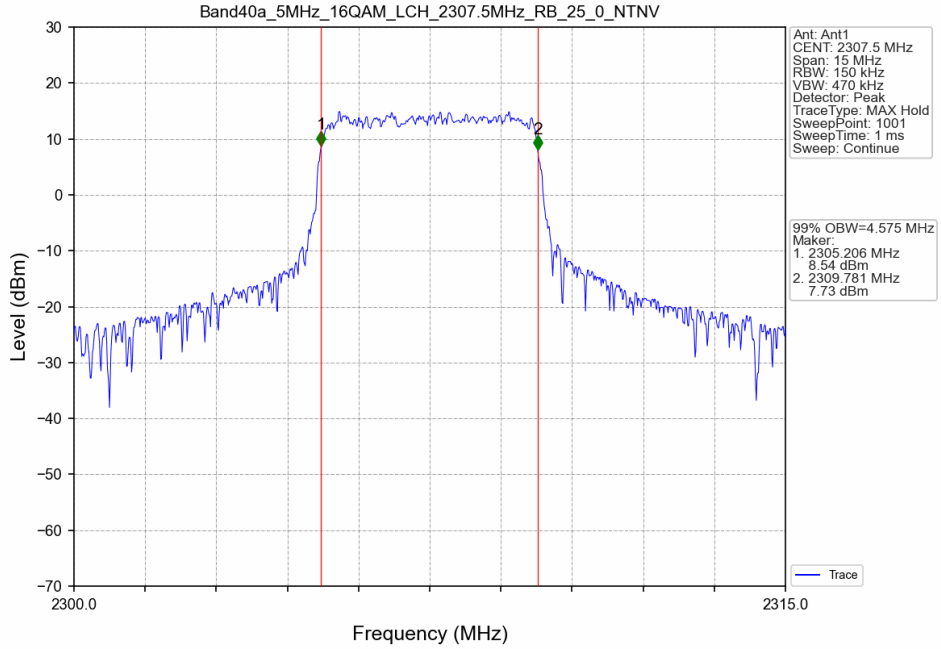


Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV

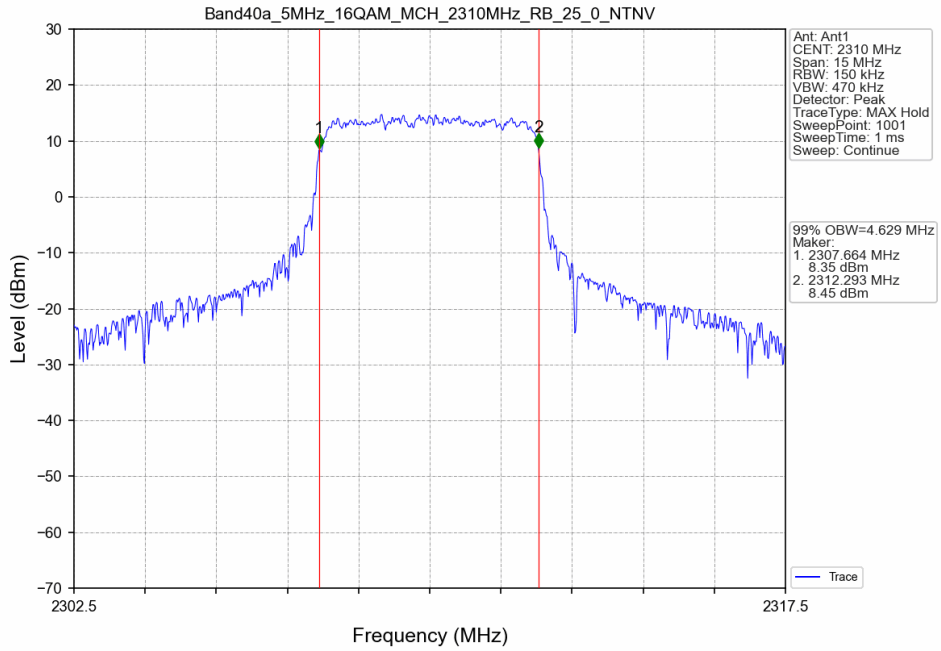
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



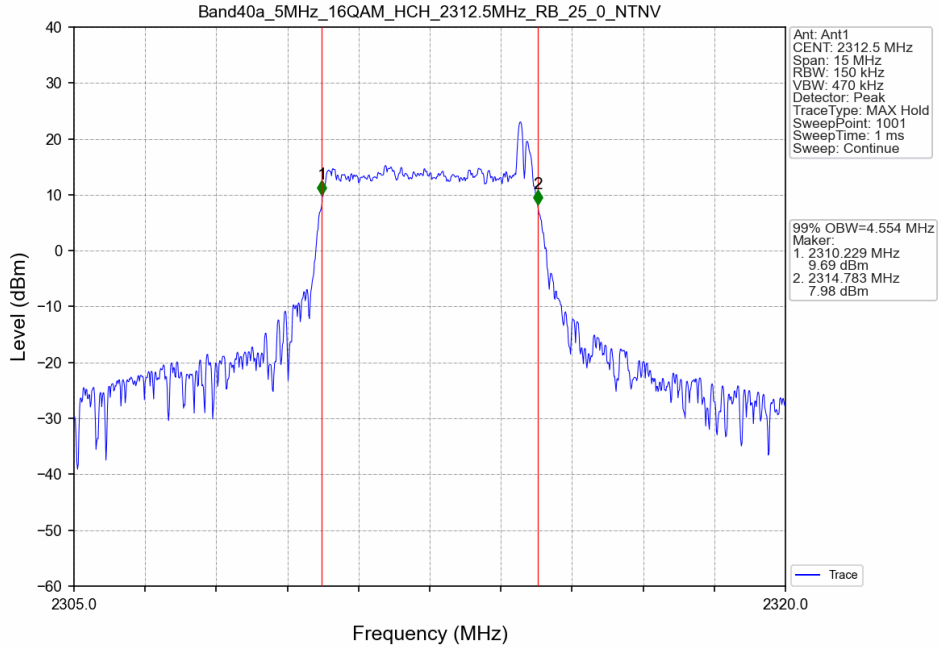
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



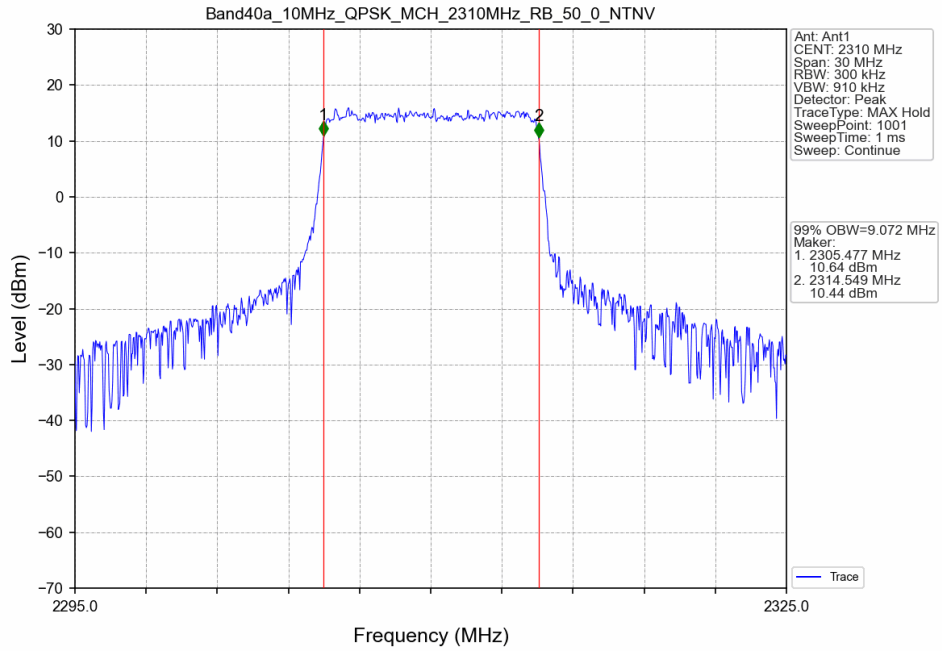
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



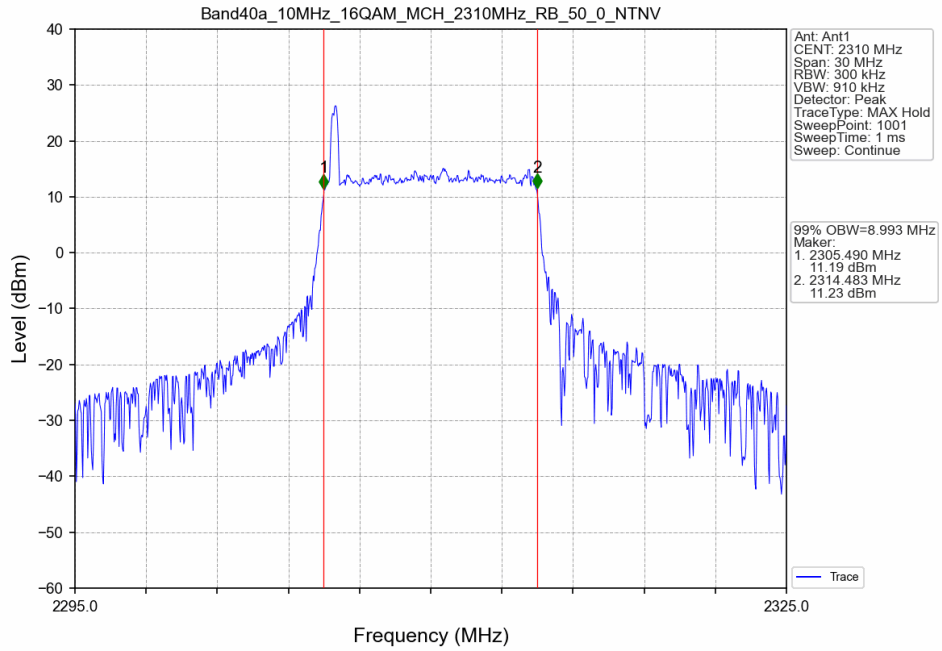
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



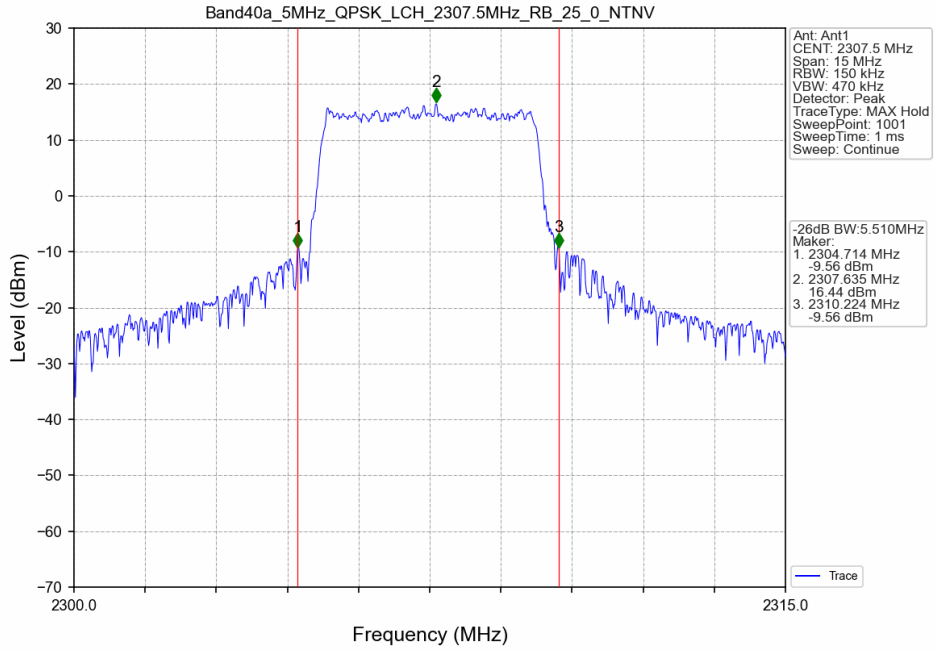
10.2 Band40a_XDB

10.2.1 Test Result

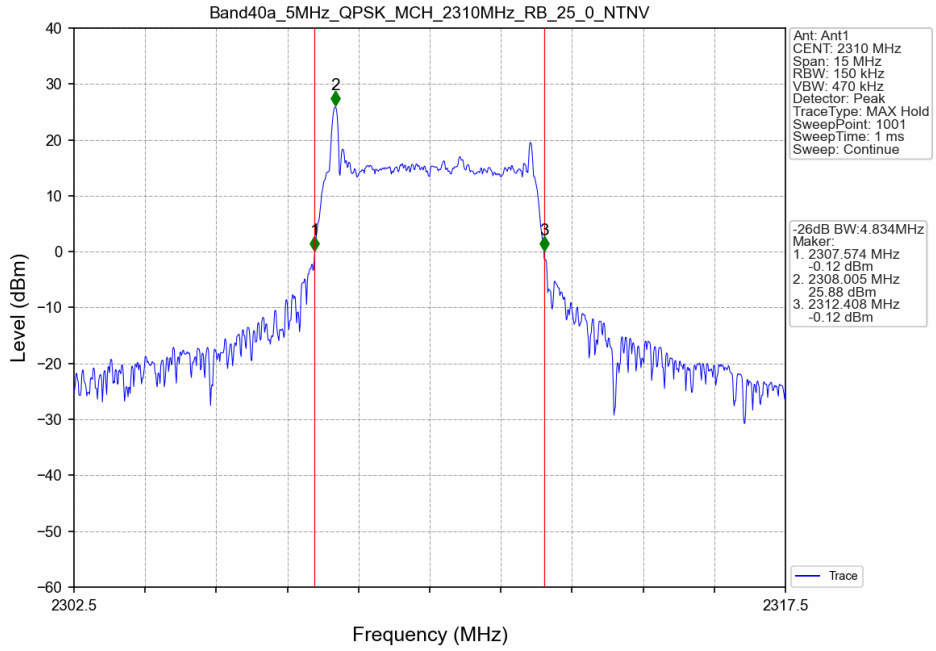
Band: 40a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	5.510	/	Pass
		2310	25	0	4.834	/	Pass
		2312.5	25	0	5.386	/	Pass
	16QAM	2307.5	25	0	5.510	/	Pass
		2310	25	0	5.993	/	Pass
		2312.5	25	0	4.914	/	Pass
10	QPSK	2310	50	0	10.321	/	Pass
	16QAM	2310	50	0	9.473	/	Pass

10.2.2 Test Graph

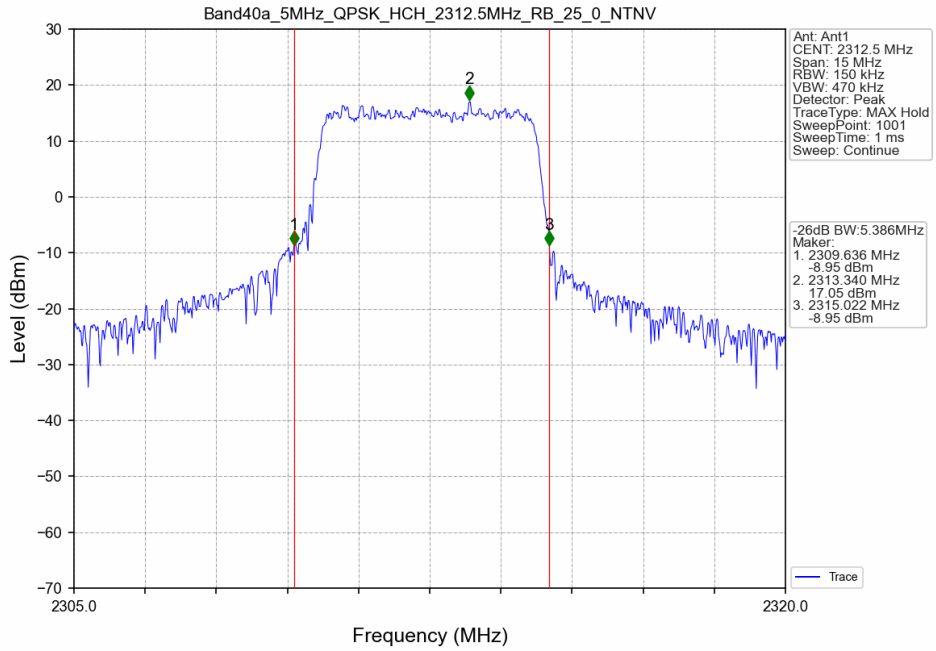
Band40a_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTNV



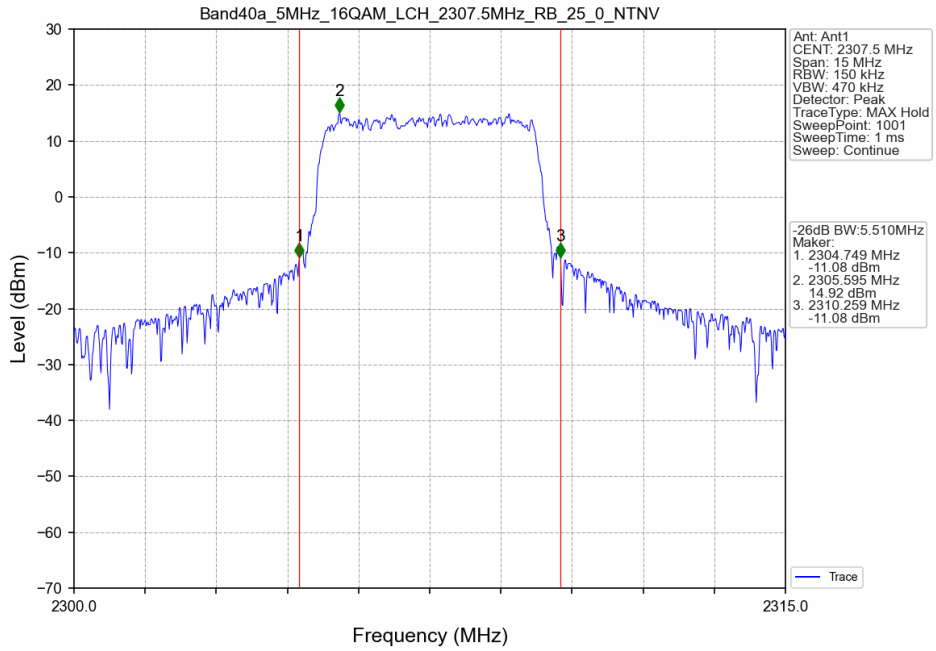
Band40a_5MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



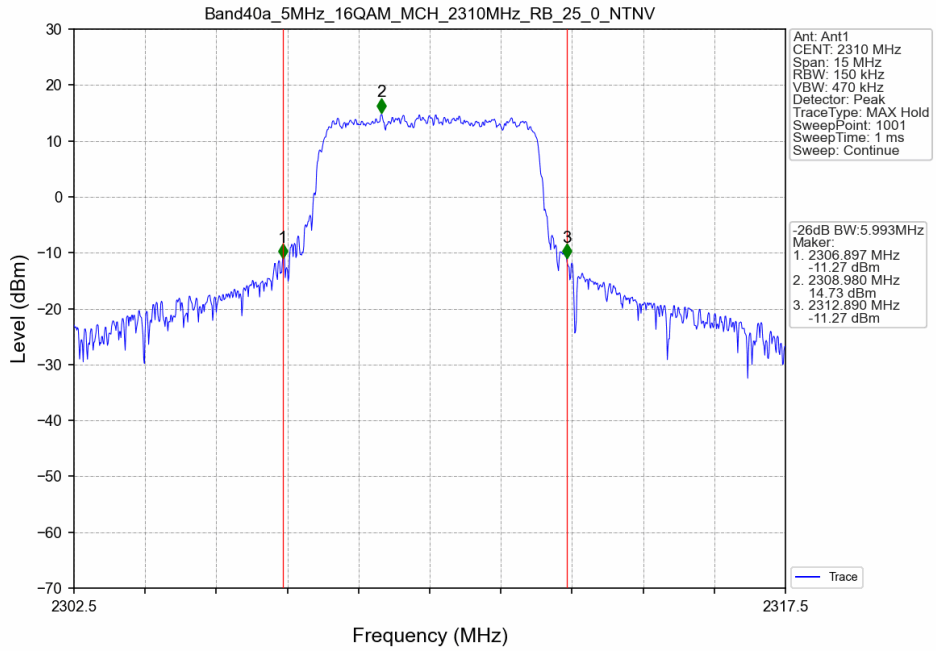
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



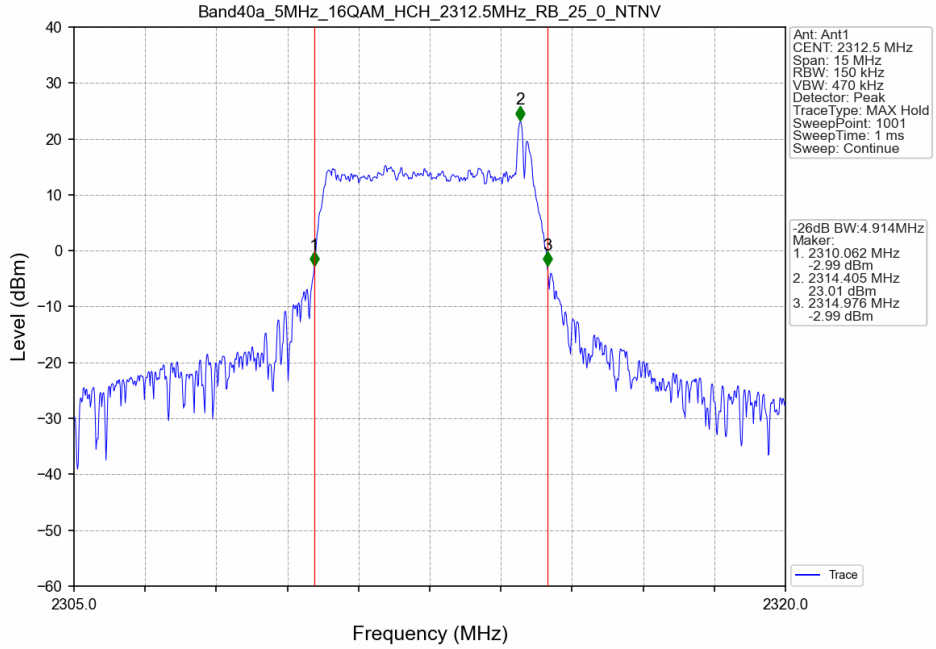
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



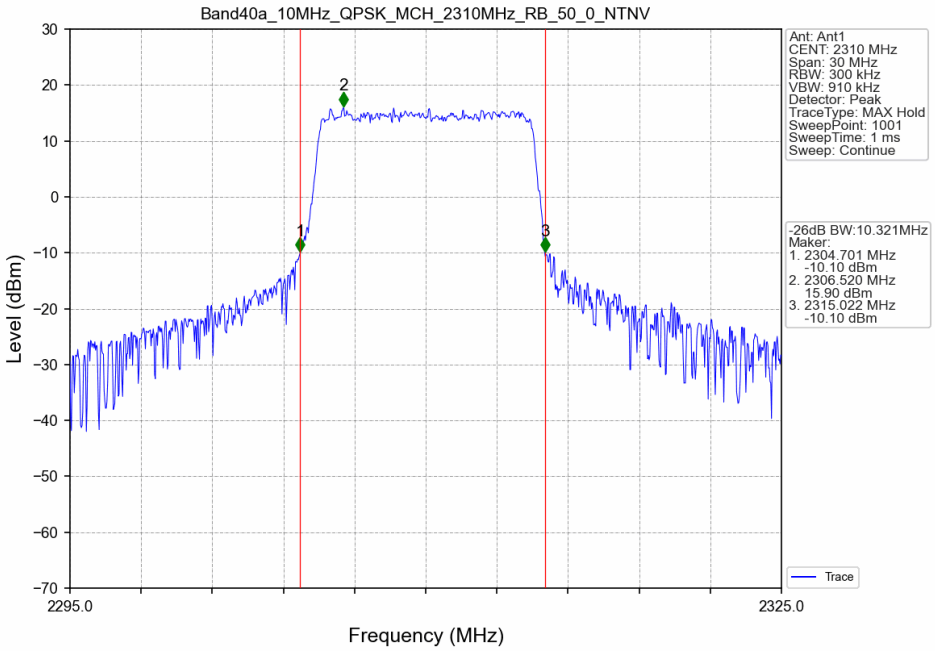
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



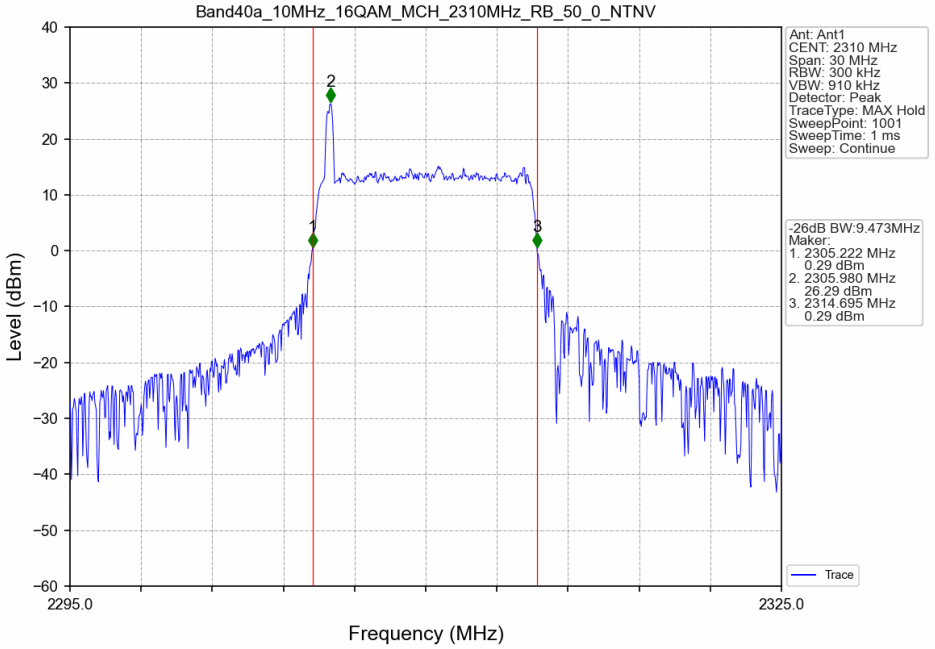
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



11. 99% & 26dB Bandwidth

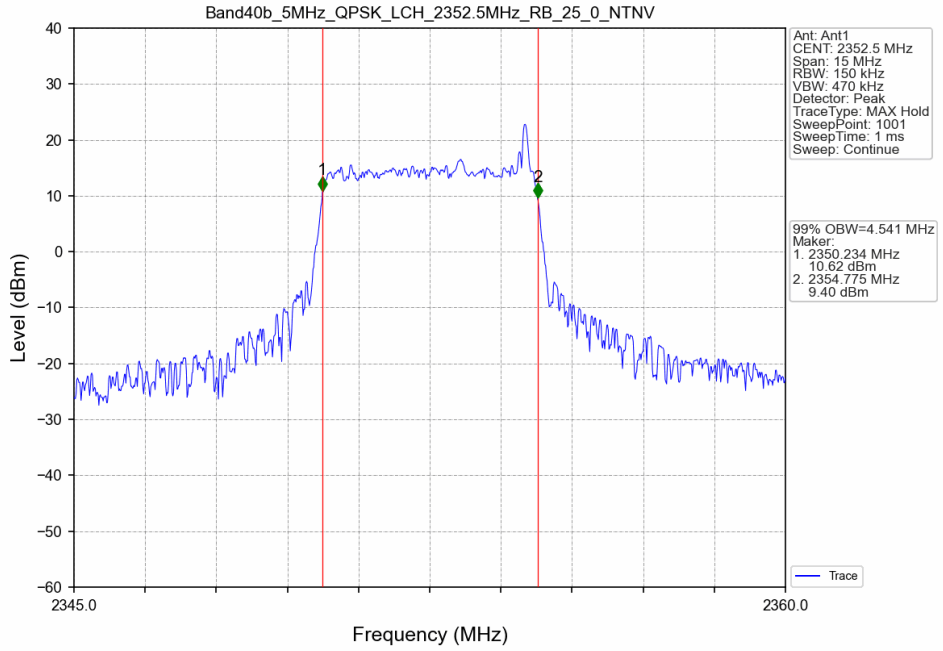
11.1 Band40b_OBW

11.1.1 Test Result

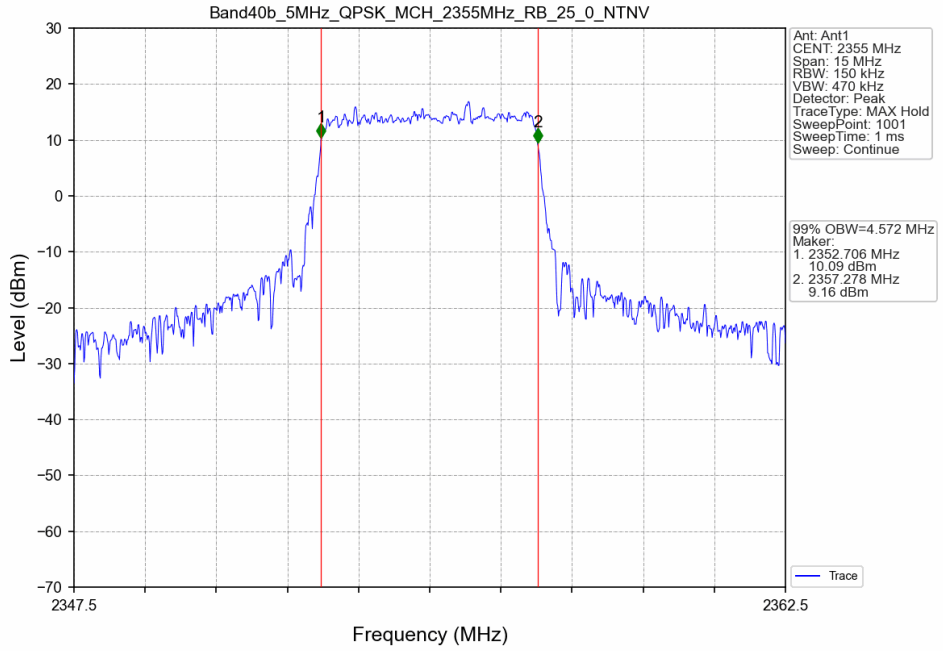
Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	4.541	/	Pass
		2355	25	0	4.572	/	Pass
		2357.5	25	0	4.547	/	Pass
	16QAM	2352.5	25	0	4.589	/	Pass
		2355	25	0	4.590	/	Pass
		2357.5	25	0	4.584	/	Pass
10	QPSK	2355	50	0	9.071	/	Pass
	16QAM	2355	50	0	9.085	/	Pass

11.1.2 Test Graph

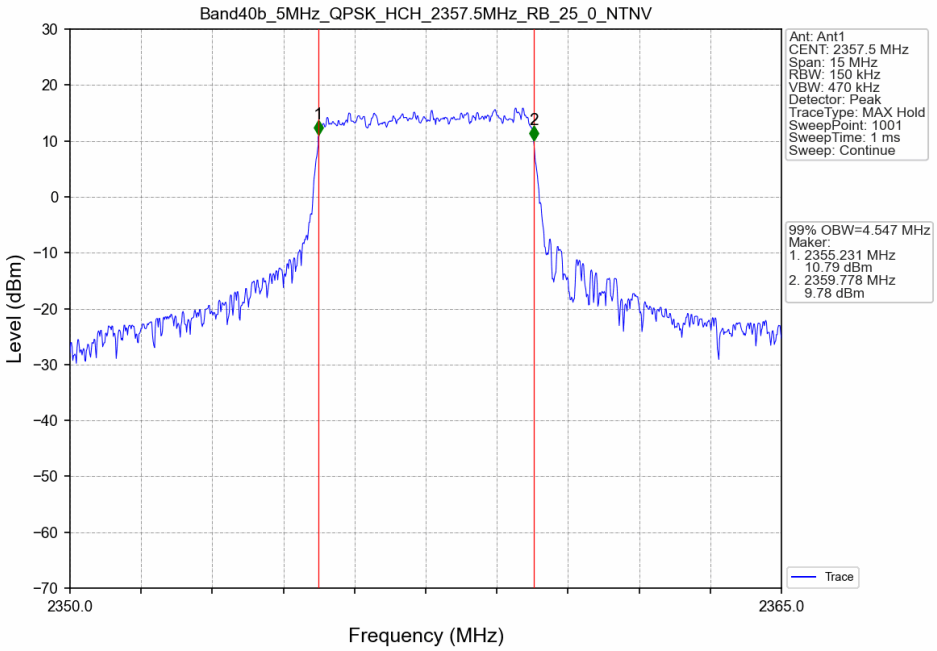
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV



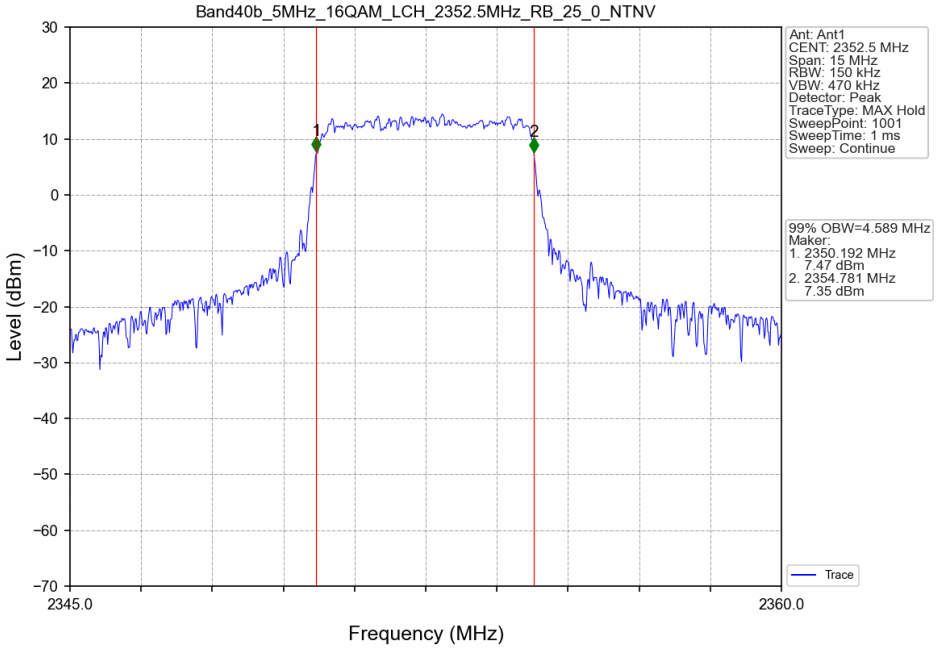
Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



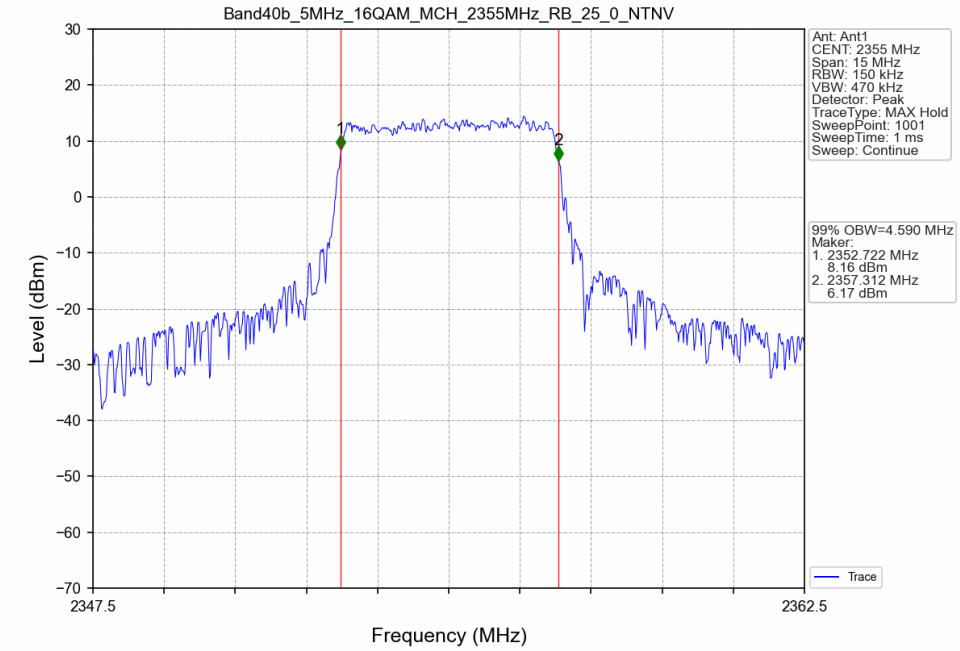
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



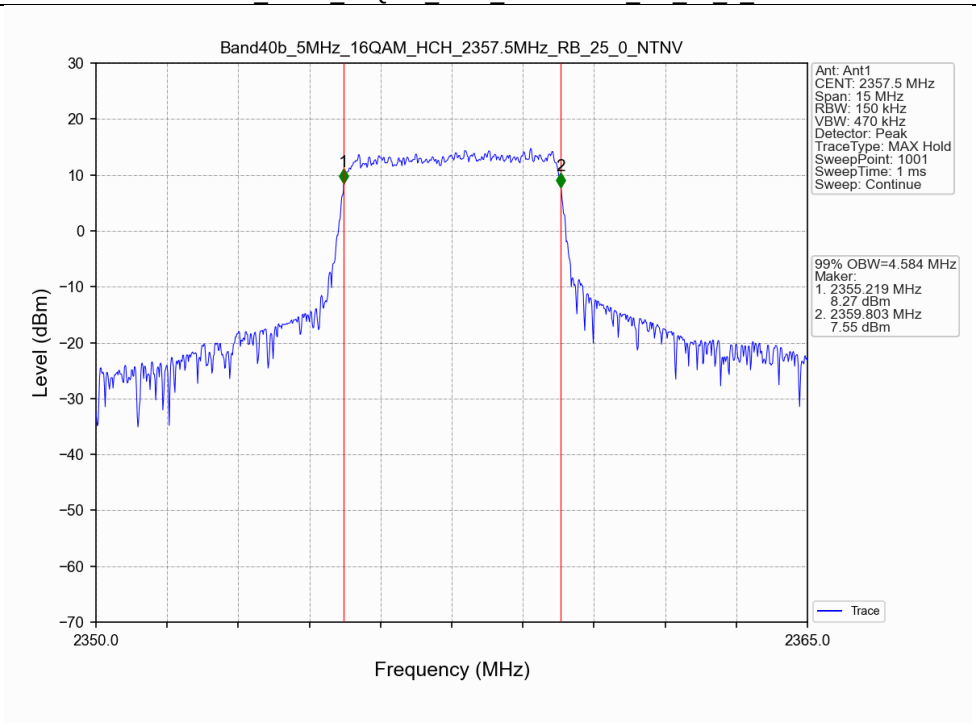
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



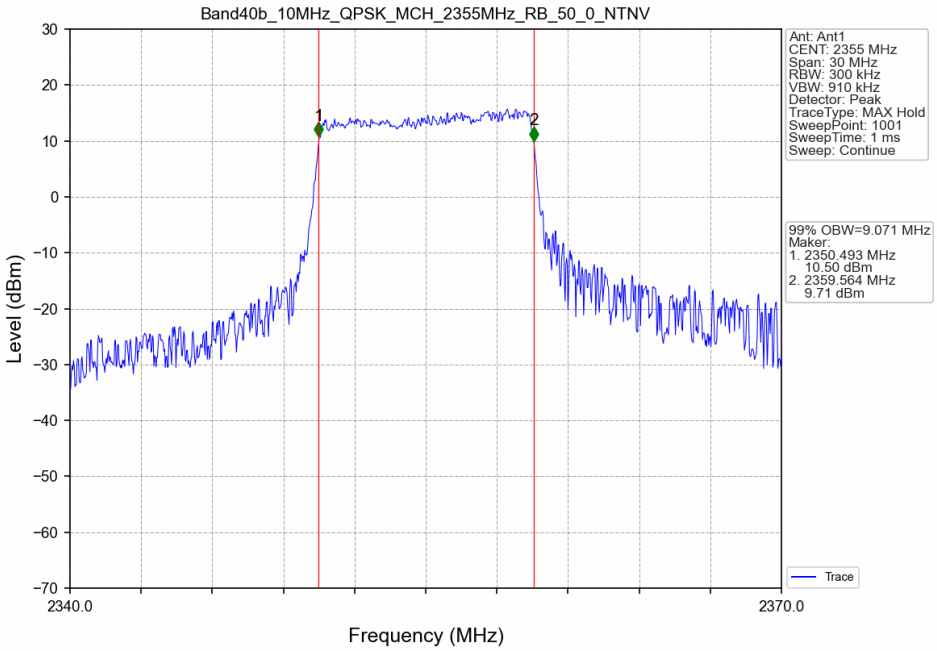
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



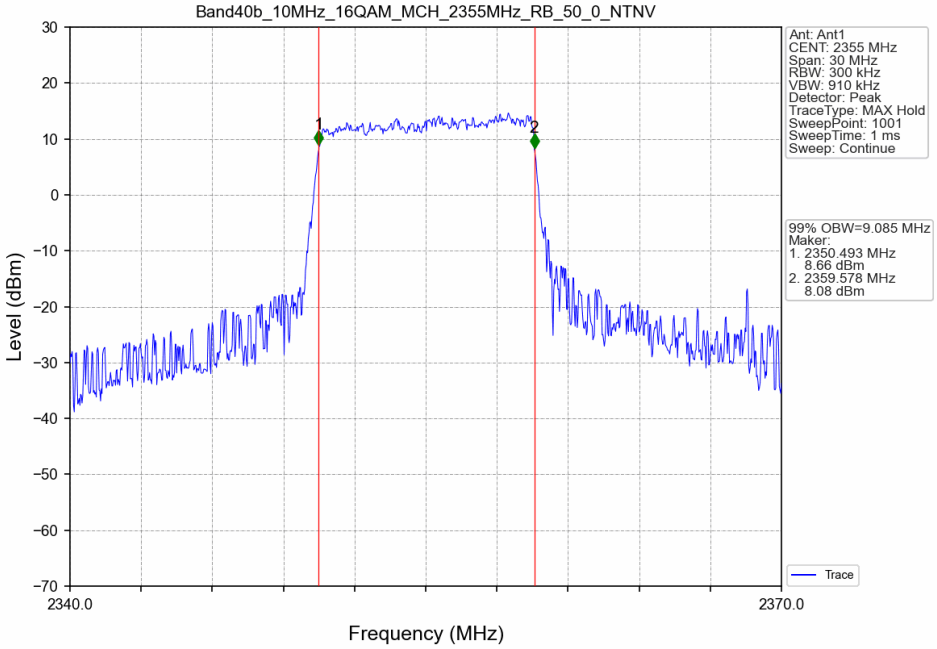
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



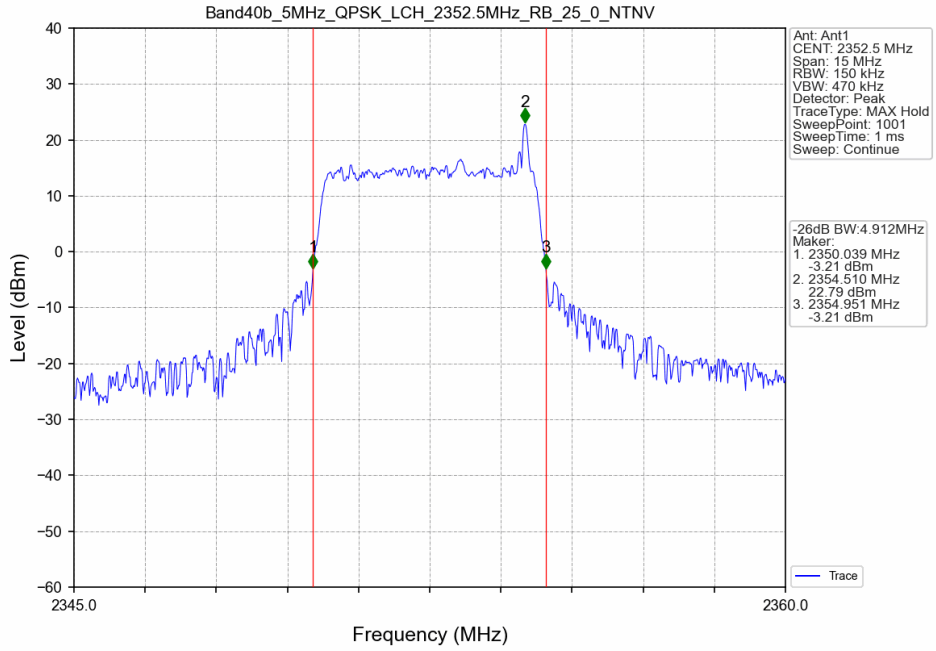
11.2 Band40b_XDB

11.2.1 Test Result

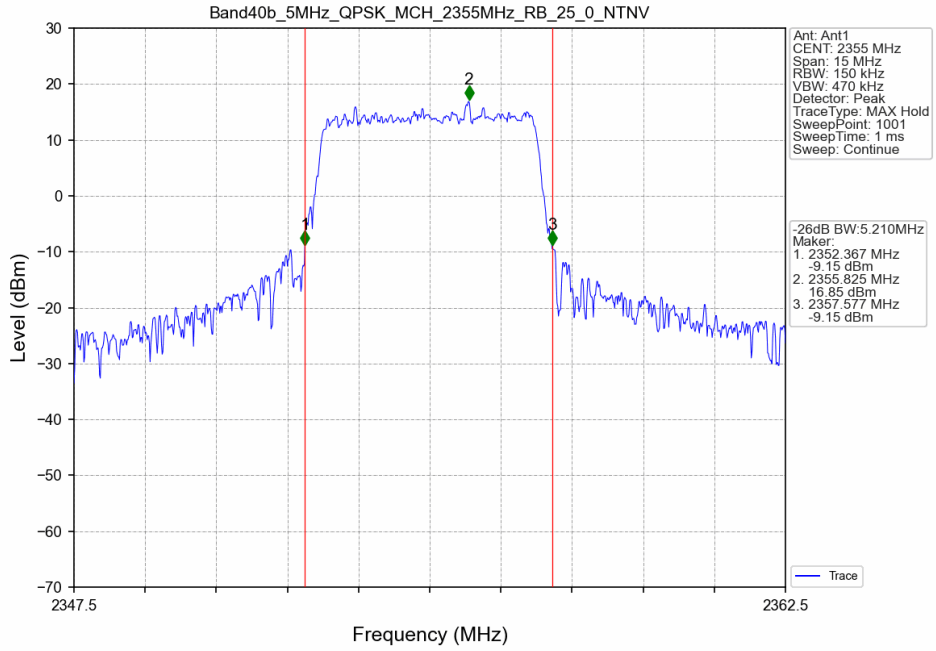
Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	4.912	/	Pass
		2355	25	0	5.210	/	Pass
		2357.5	25	0	5.557	/	Pass
	16QAM	2352.5	25	0	5.917	/	Pass
		2355	25	0	5.539	/	Pass
		2357.5	25	0	5.478	/	Pass
10	QPSK	2355	50	0	11.384	/	Pass
	16QAM	2355	50	0	10.243	/	Pass

11.2.2 Test Graph

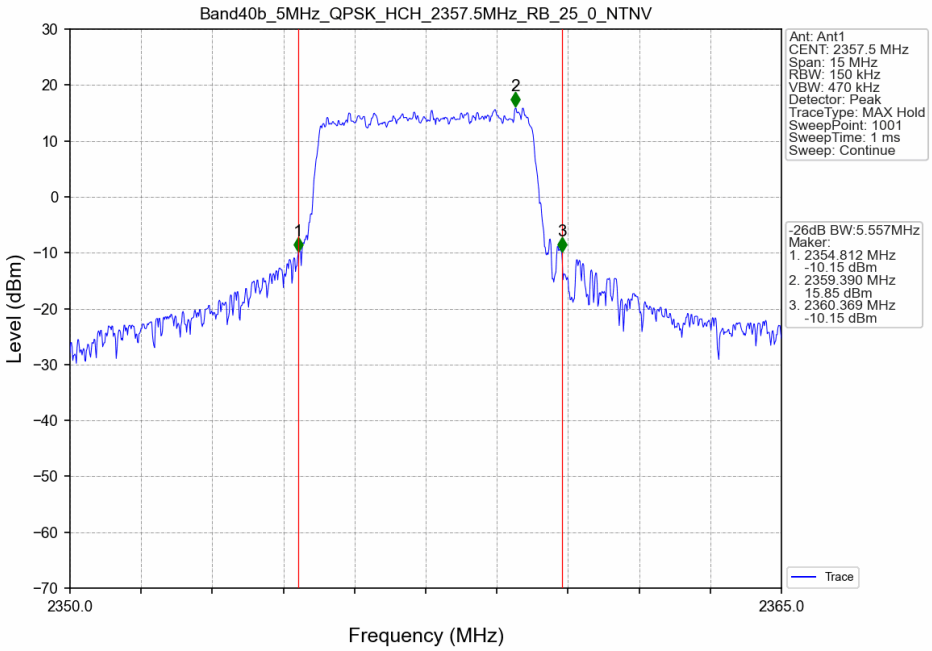
Band40b_5MHz_QPSK_LCH_2352.5MHz_RB_25_0_NTNV



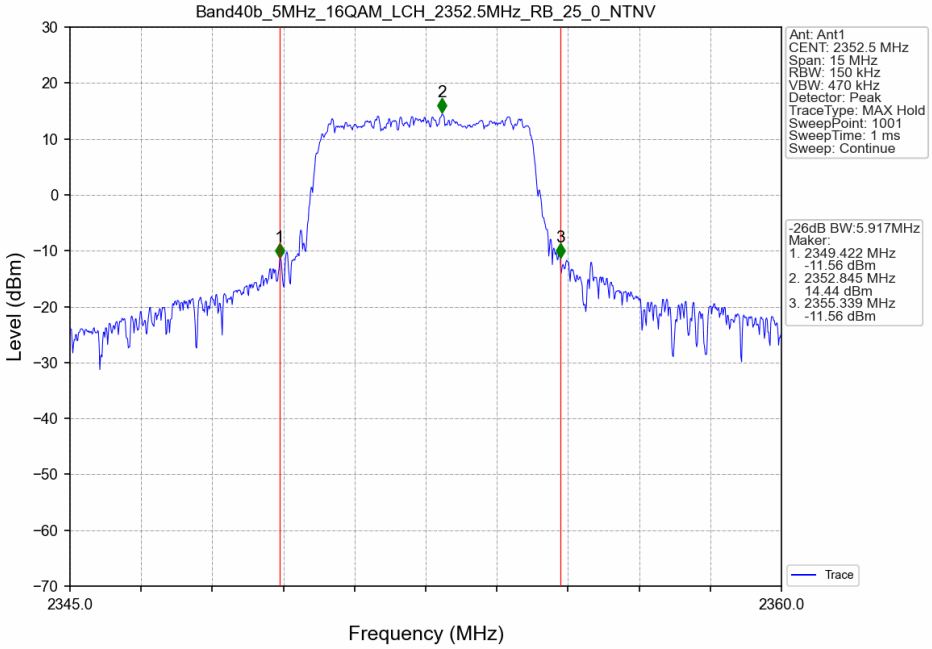
Band40b_5MHz_QPSK_MCH_2355MHz_RB_25_0_NTNV



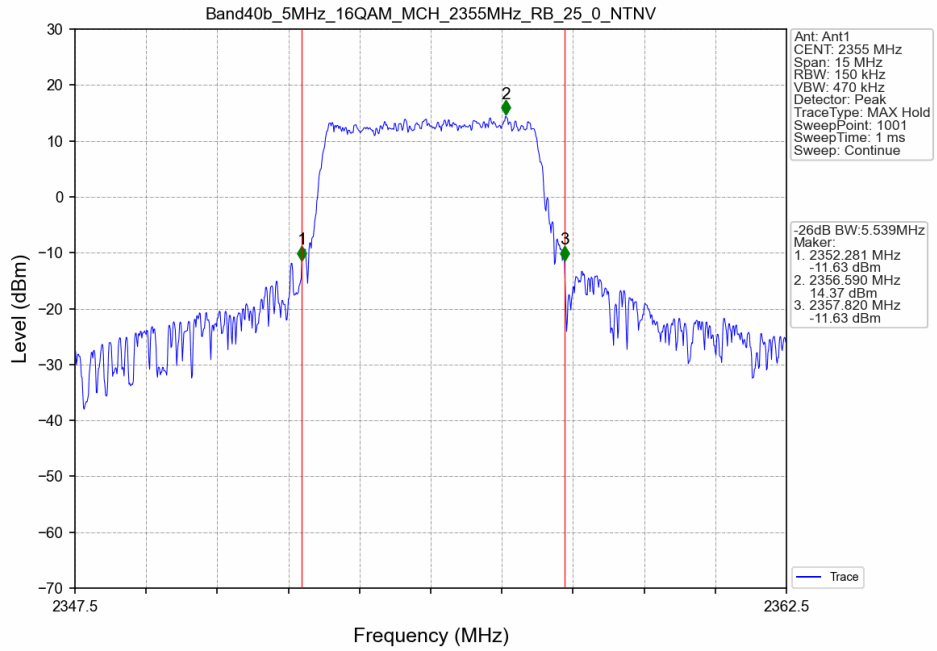
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



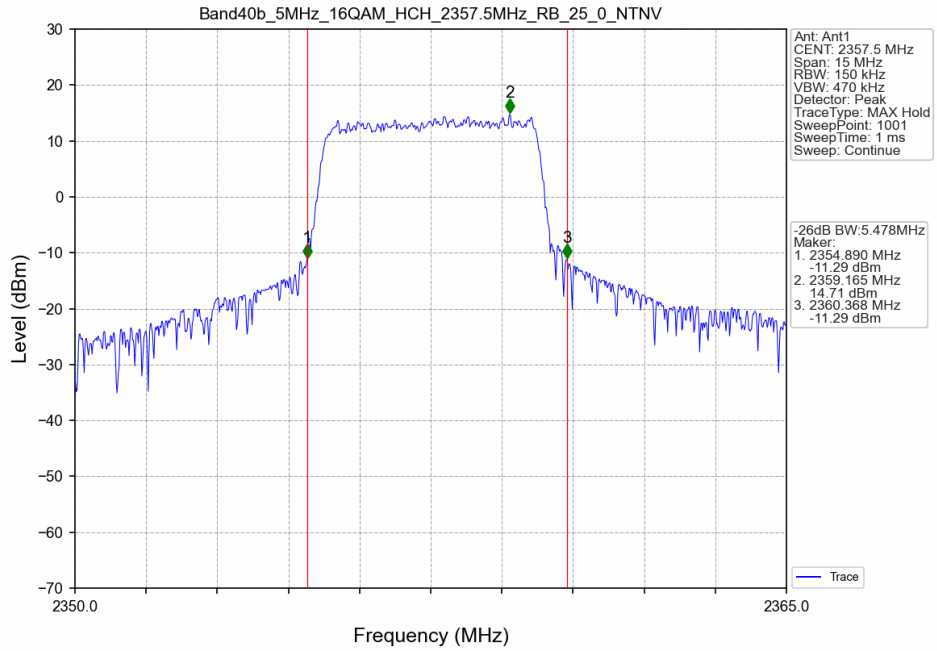
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



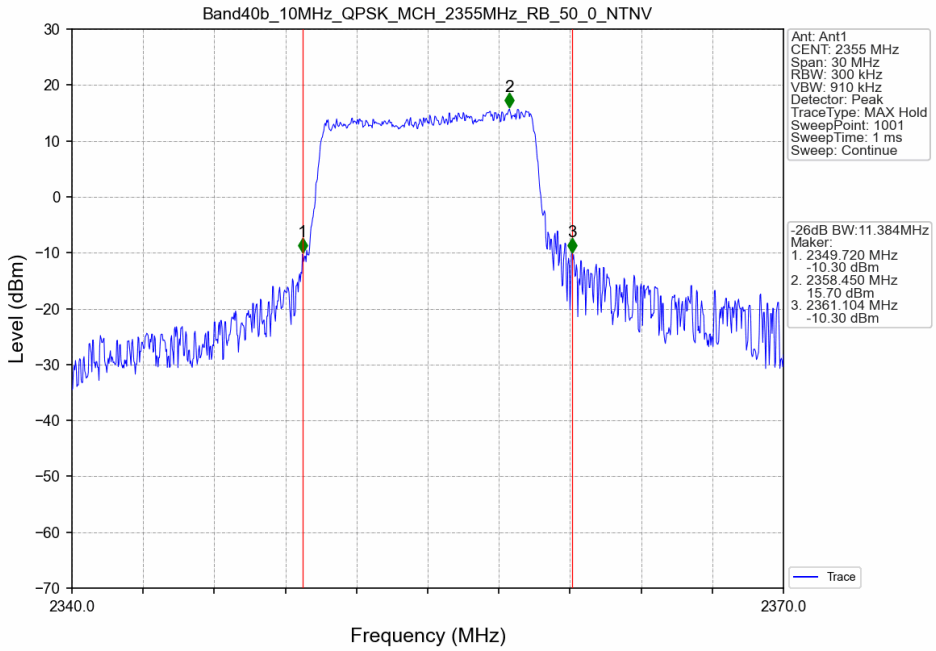
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



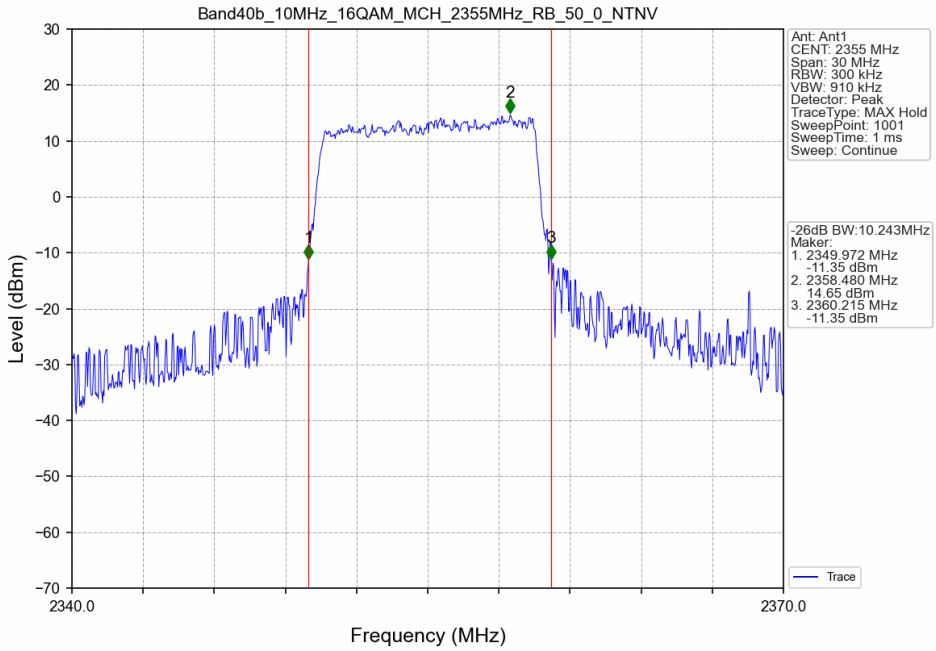
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



12. 99% & 26dB Bandwidth

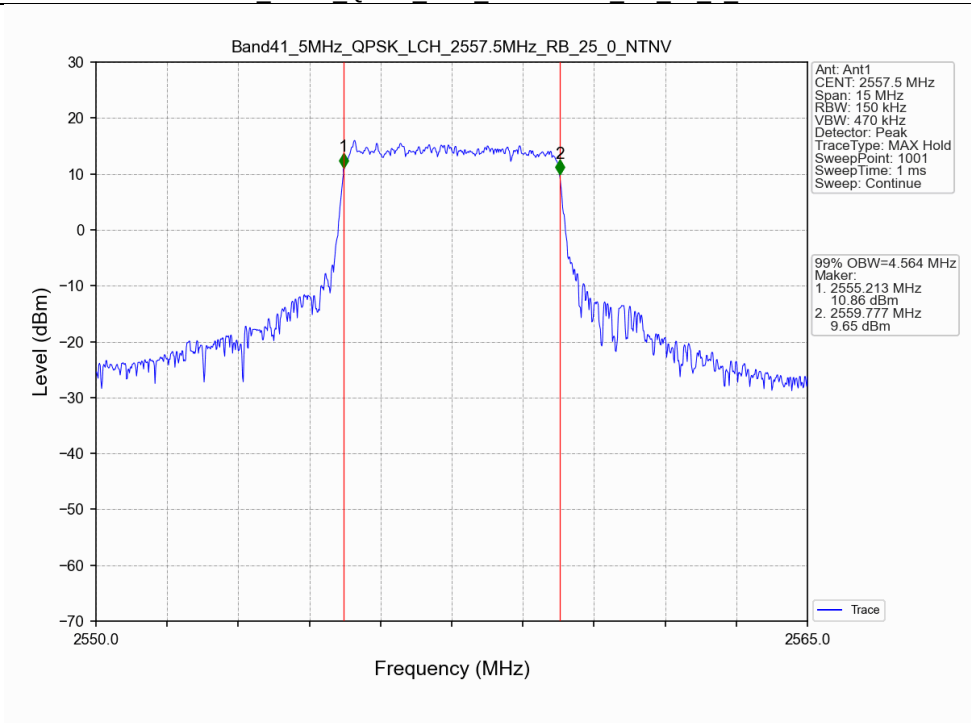
12.1 Band41_OBW

12.1.1 Test Result

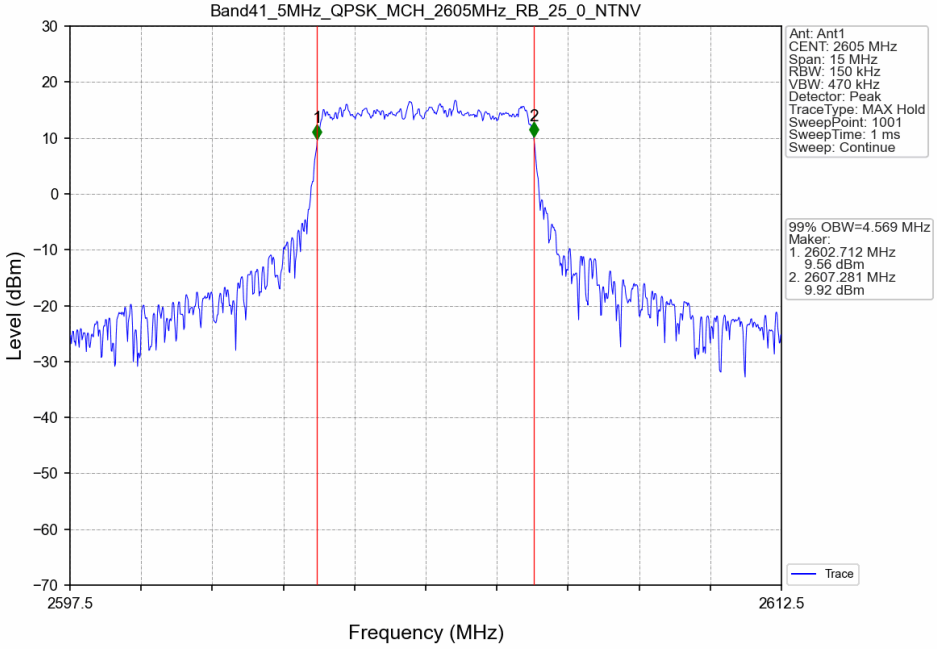
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.564	/	Pass
		2605	25	0	4.569	/	Pass
		2652.5	25	0	4.538	/	Pass
	16QAM	2557.5	25	0	4.591	/	Pass
		2605	25	0	4.577	/	Pass
		2652.5	25	0	4.591	/	Pass
10	QPSK	2560	50	0	9.052	/	Pass
		2605	50	0	9.077	/	Pass
		2650	50	0	9.140	/	Pass
	16QAM	2560	50	0	9.097	/	Pass
		2605	50	0	8.974	/	Pass
		2650	50	0	9.086	/	Pass
15	QPSK	2562.5	75	0	13.651	/	Pass
		2605	75	0	13.553	/	Pass
		2647.5	75	0	13.617	/	Pass
	16QAM	2562.5	75	0	13.623	/	Pass
		2605	75	0	13.473	/	Pass
		2647.5	75	0	13.636	/	Pass
20	QPSK	2565	100	0	18.193	/	Pass
		2605	100	0	18.084	/	Pass
		2645	100	0	18.170	/	Pass
	16QAM	2565	100	0	18.152	/	Pass
		2605	100	0	18.123	/	Pass
		2645	100	0	18.212	/	Pass

12.1.2 Test Graph

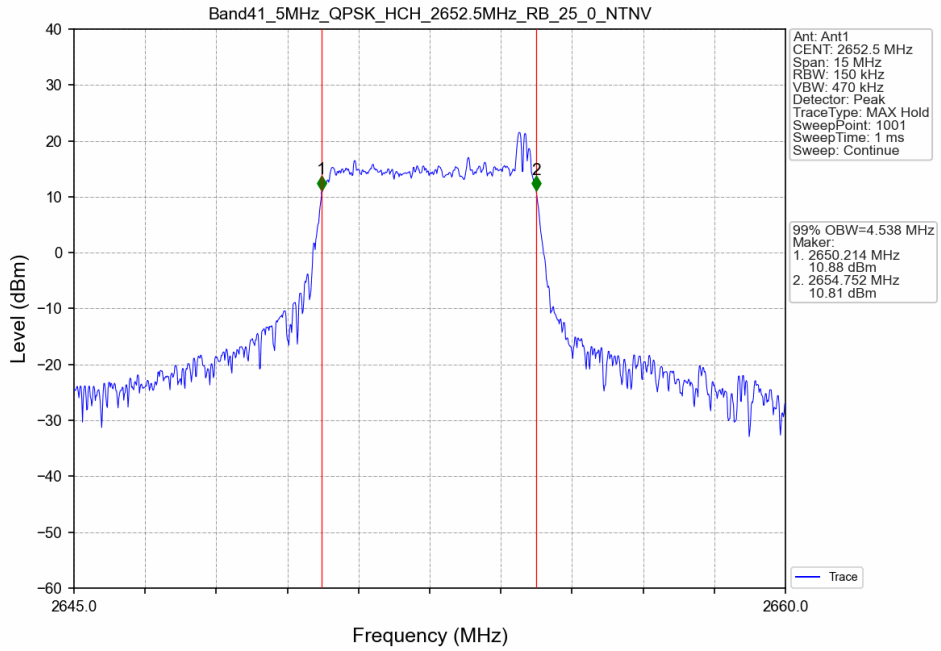
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



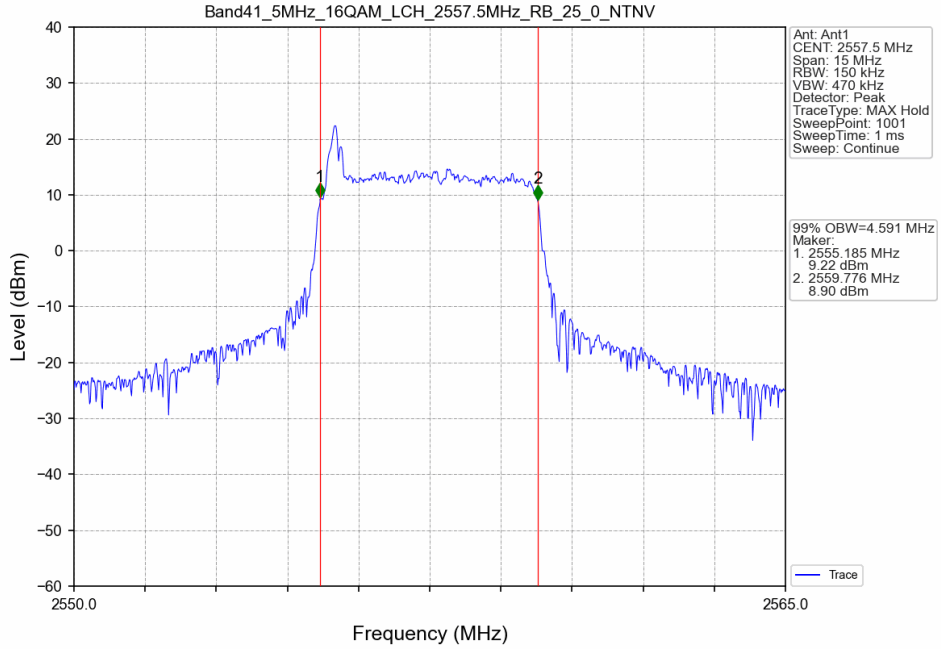
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



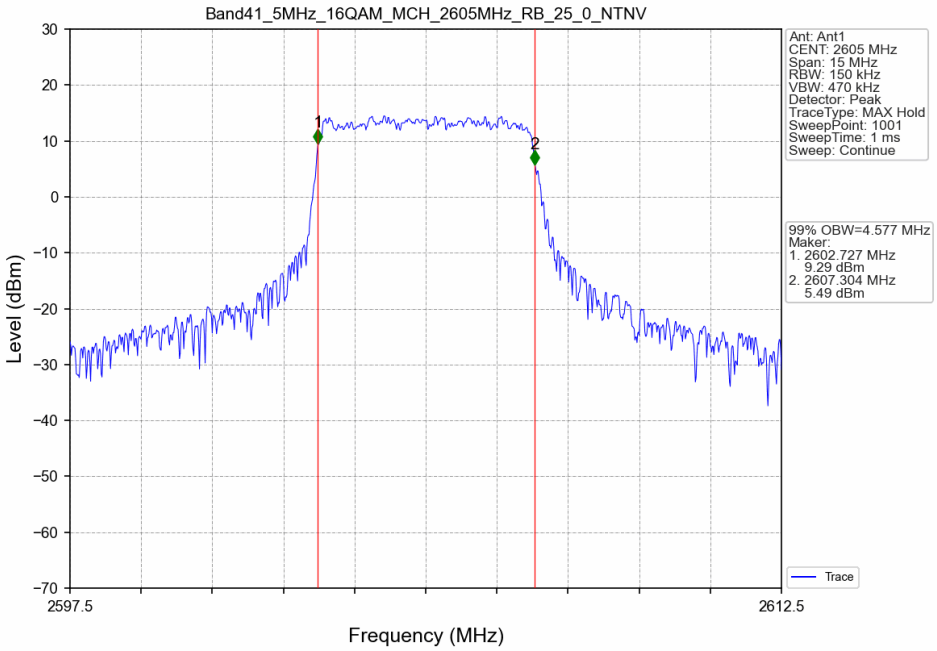
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



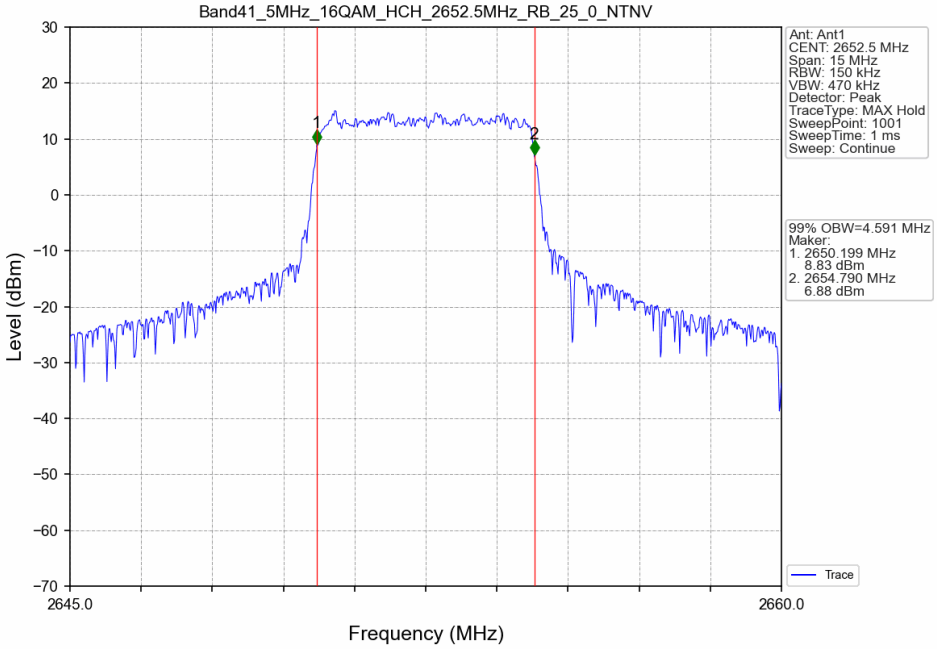
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



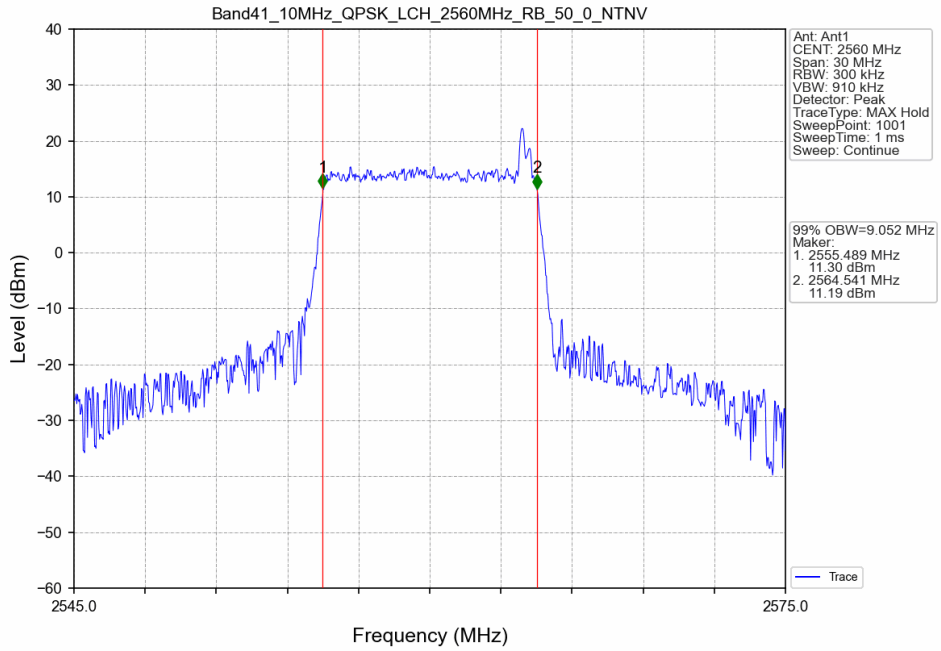
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



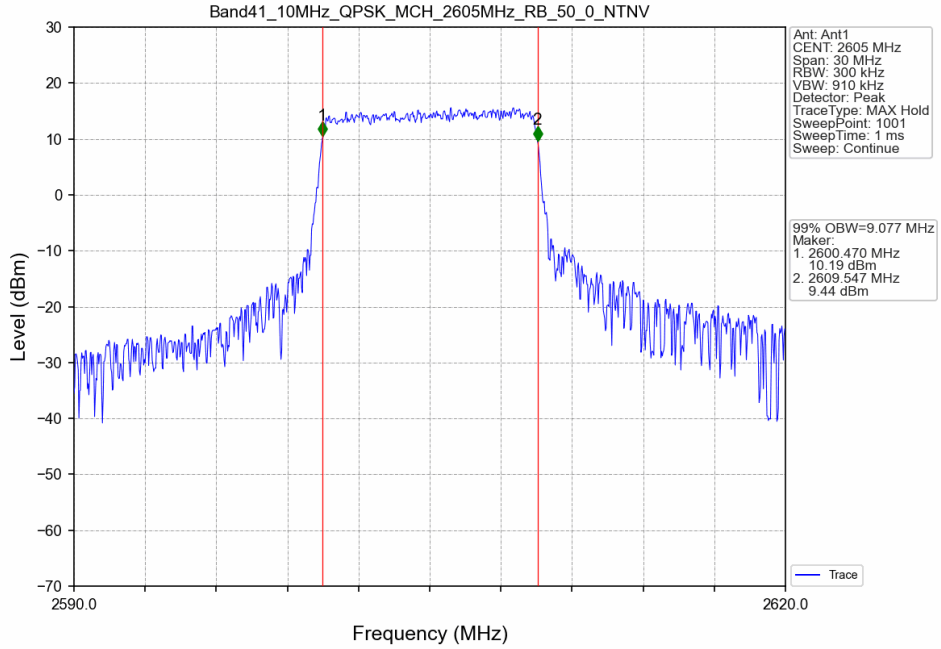
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



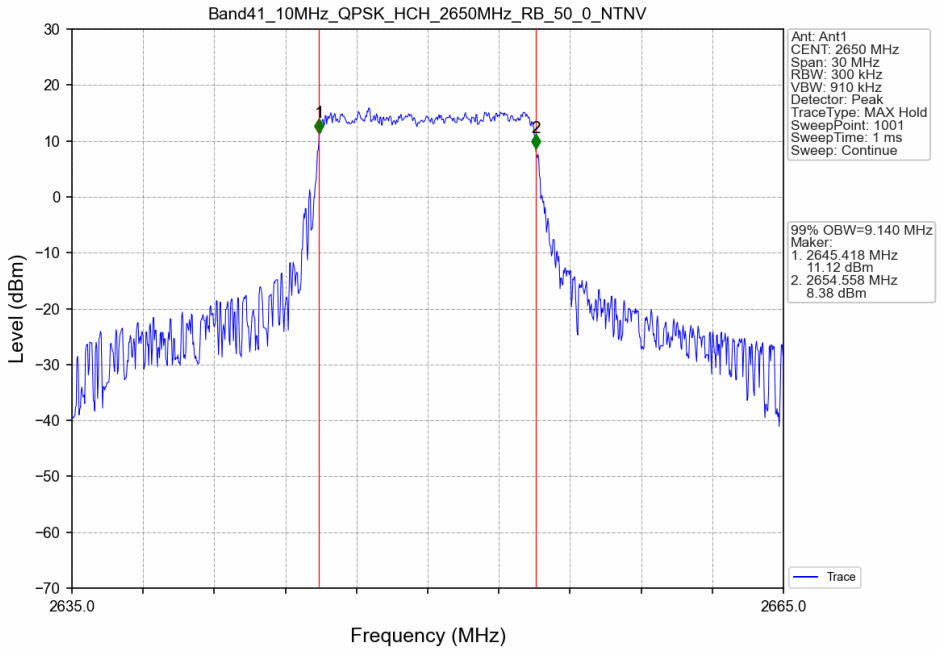
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



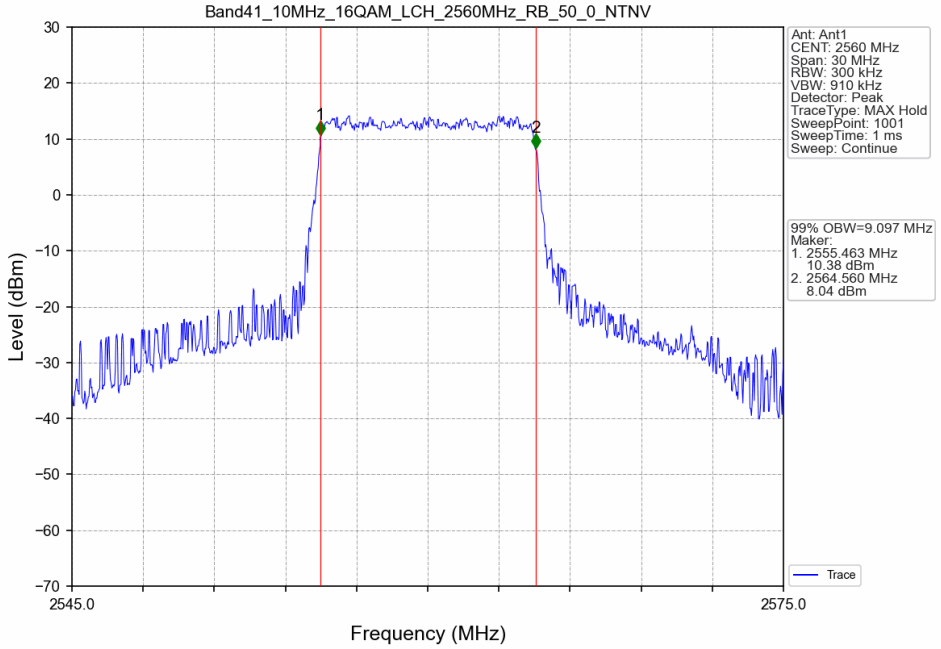
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



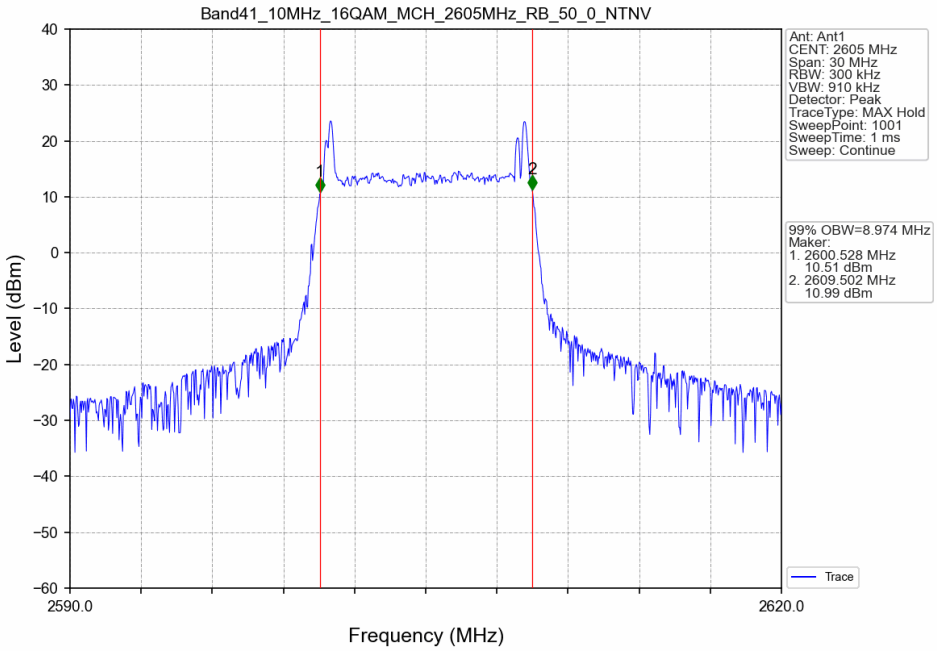
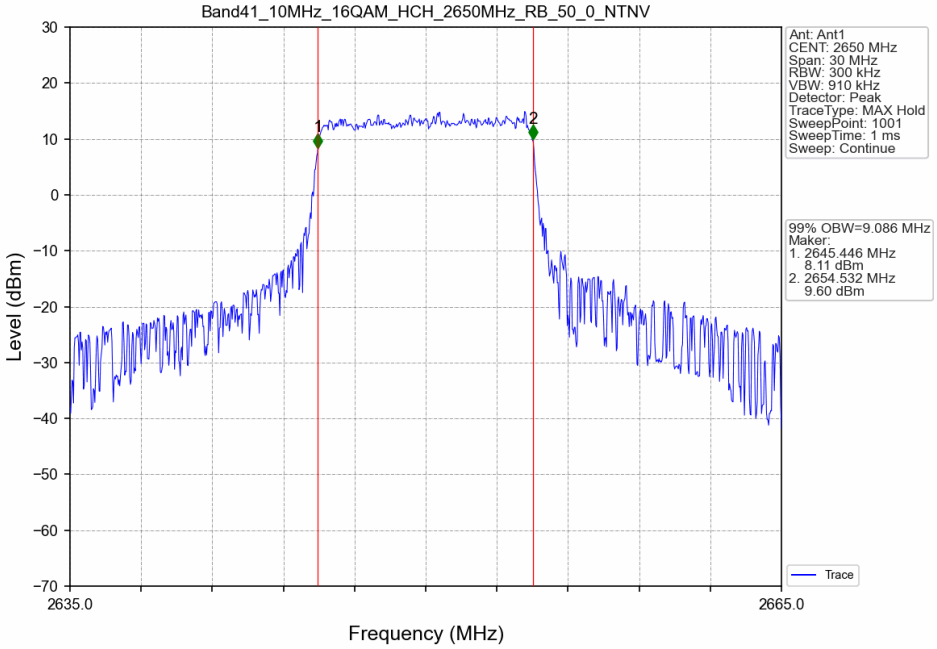
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV