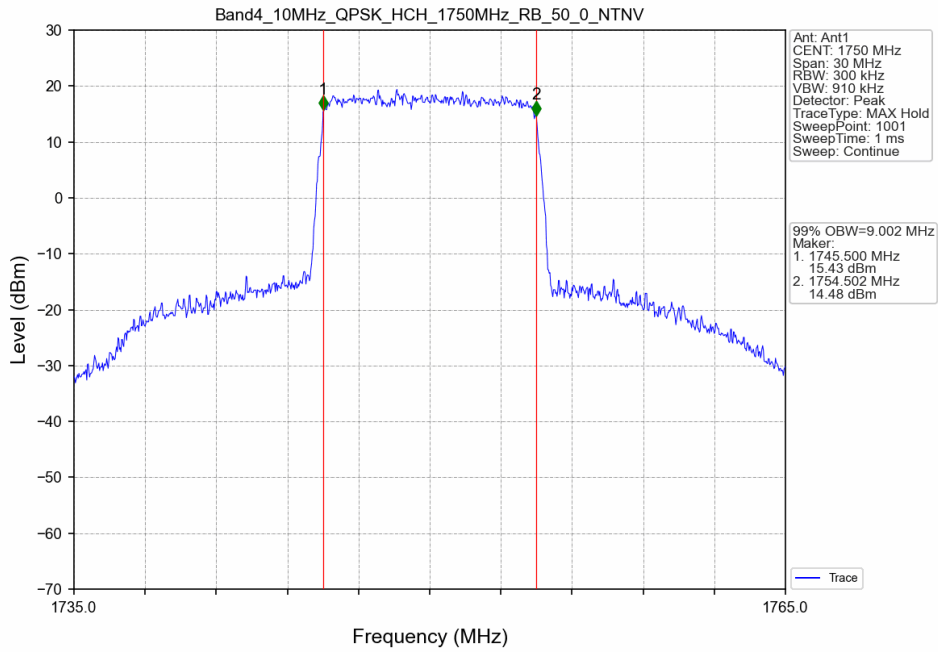
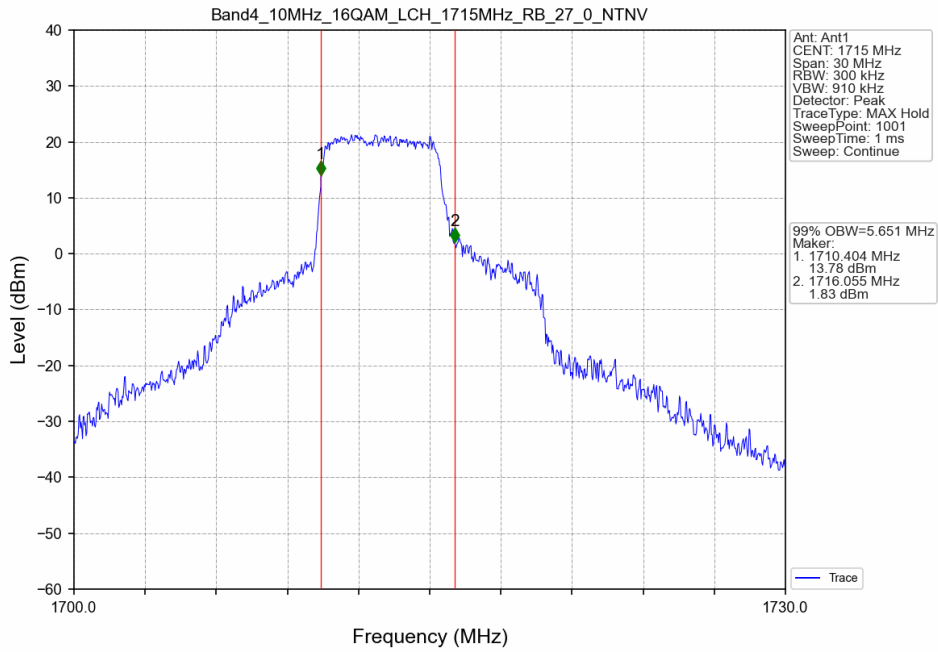


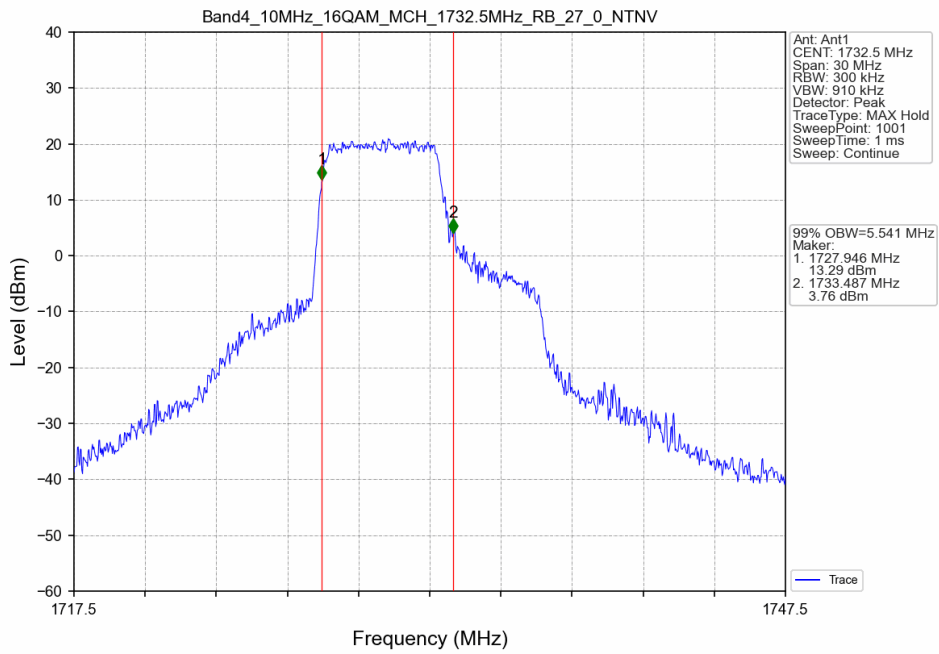
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



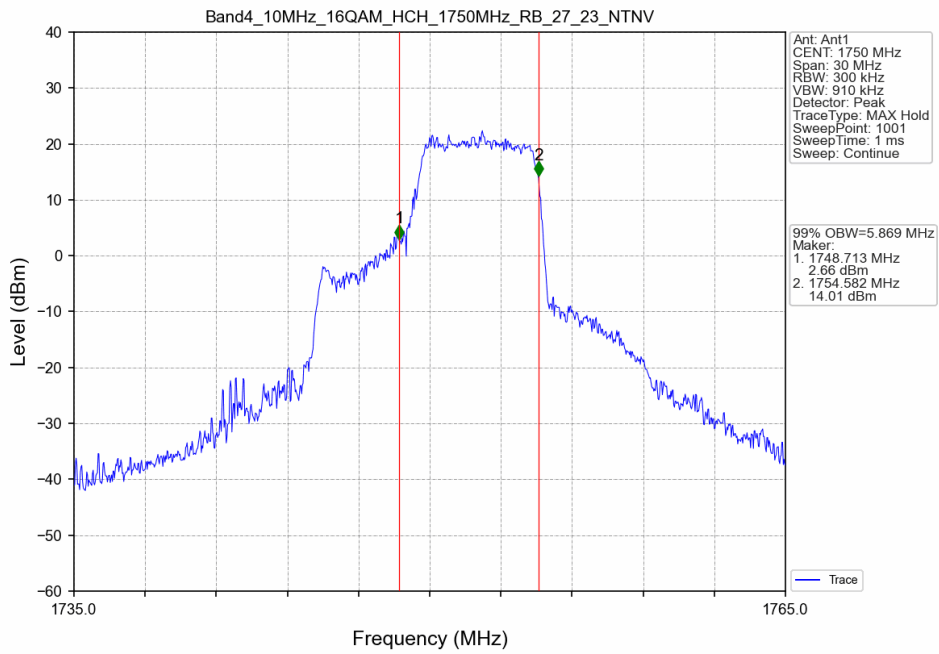
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



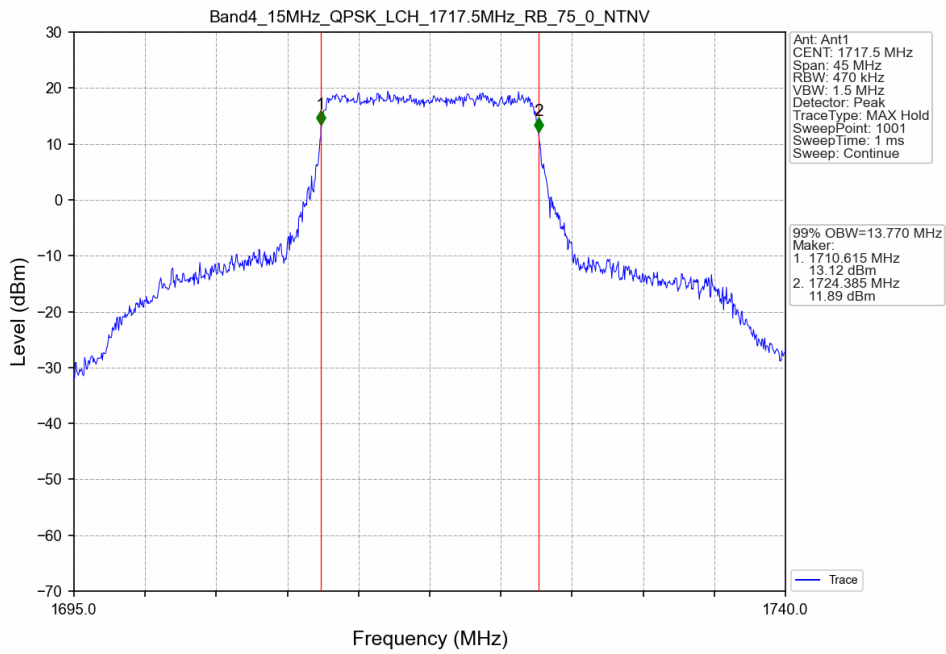
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



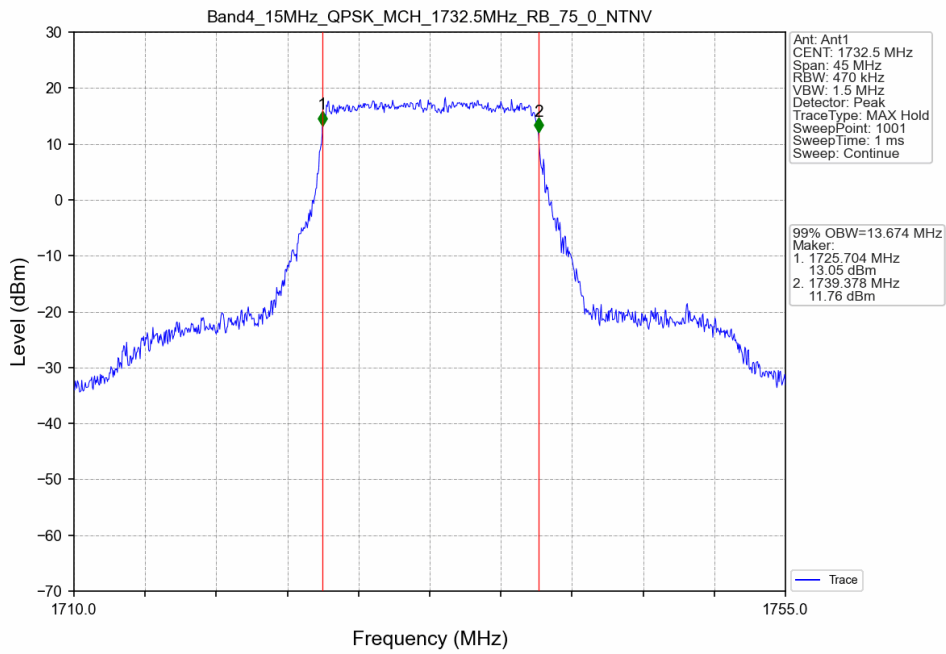
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



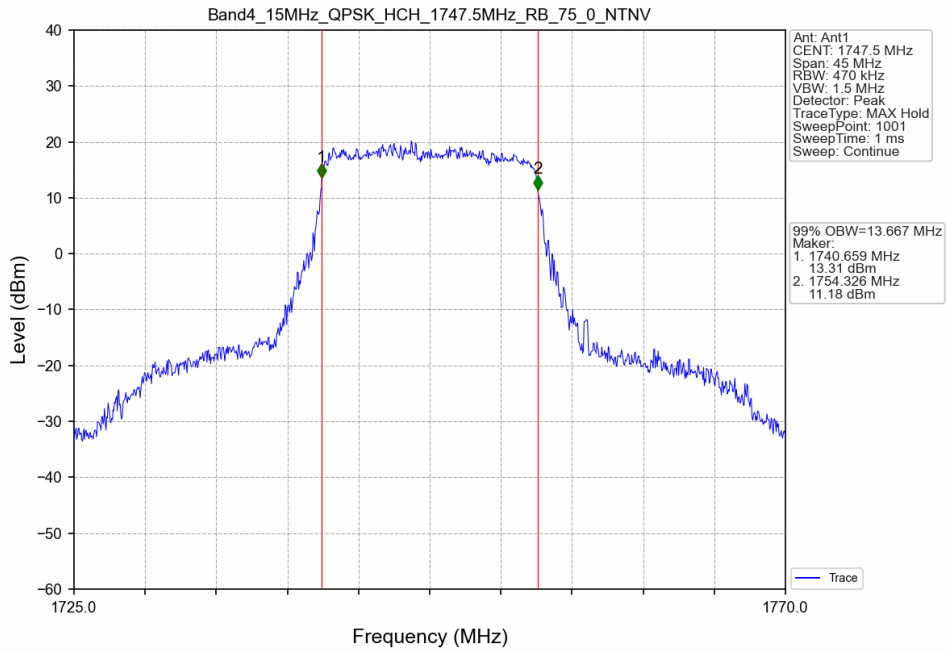
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



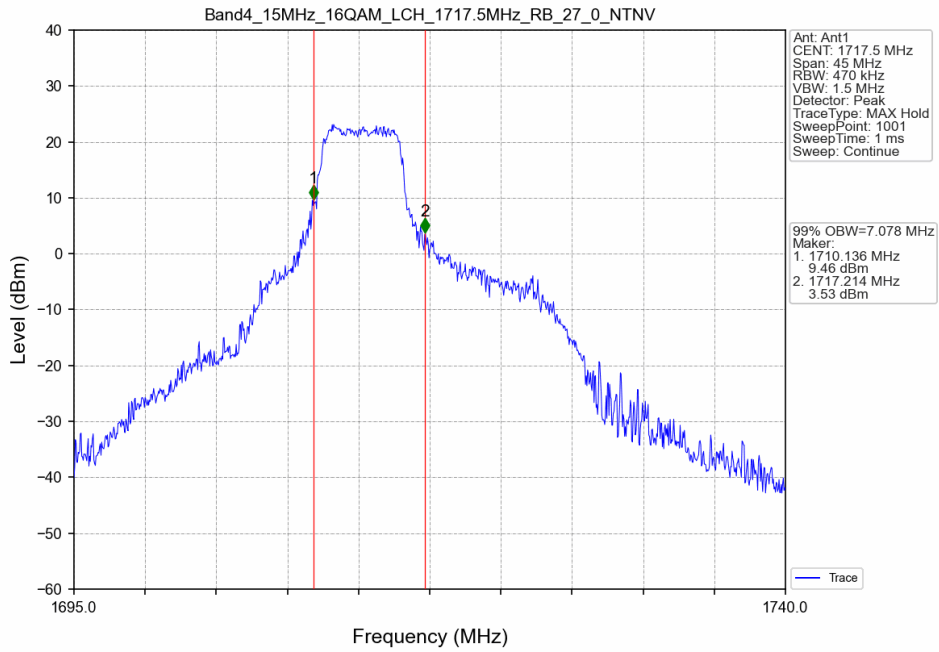
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



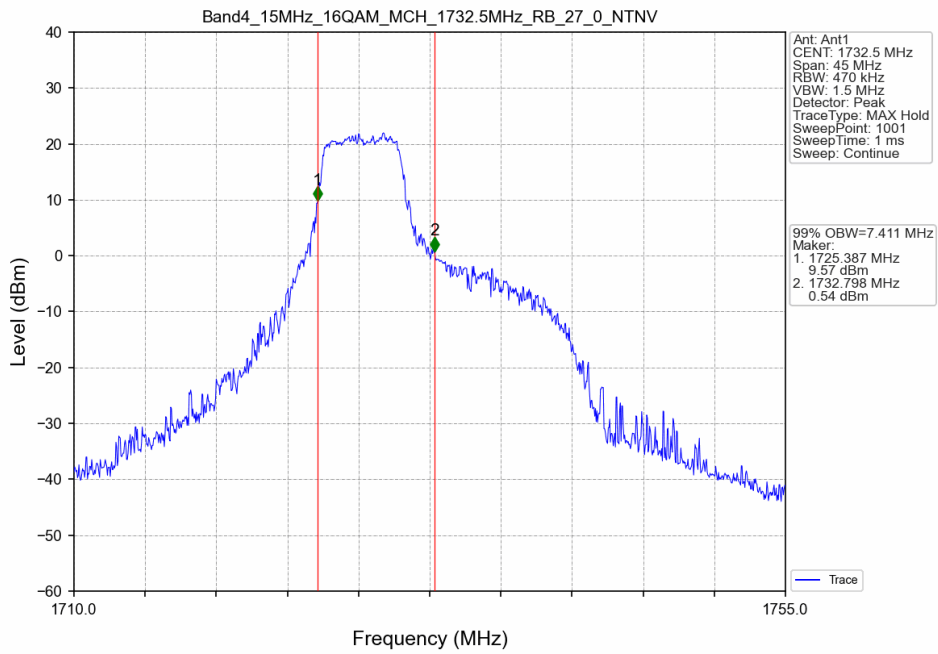
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



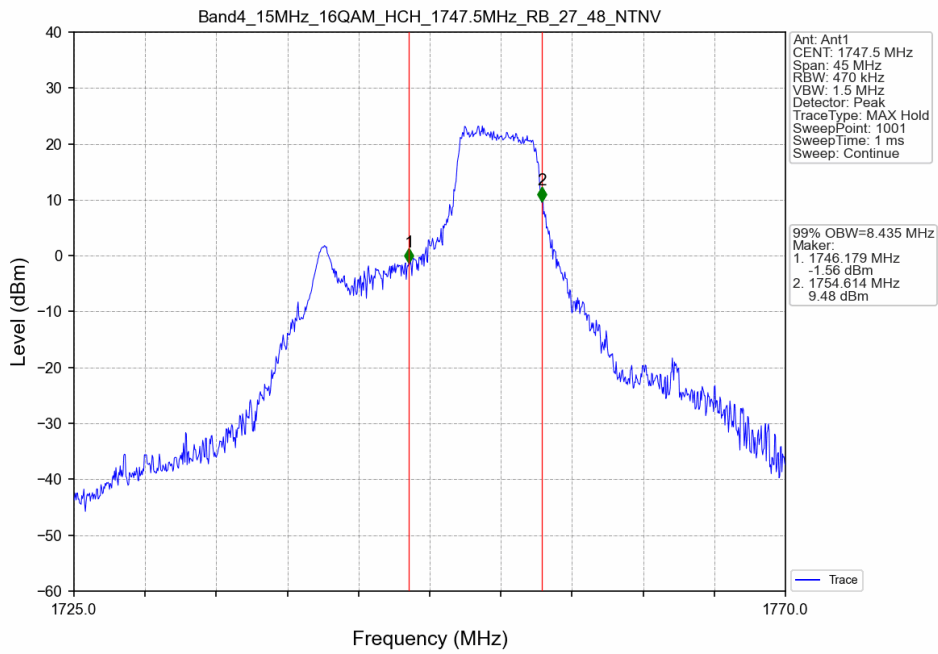
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



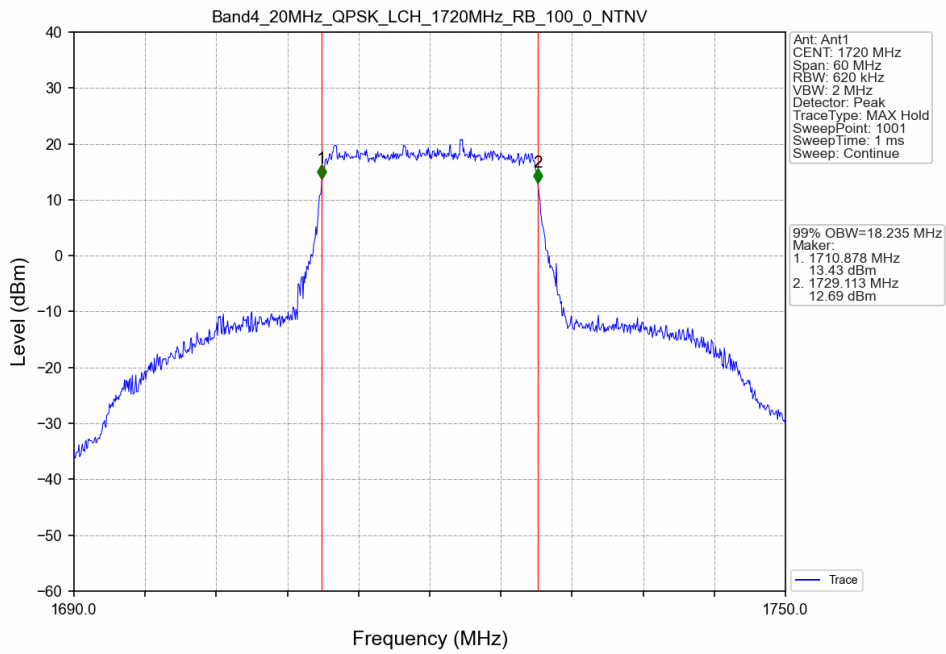
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



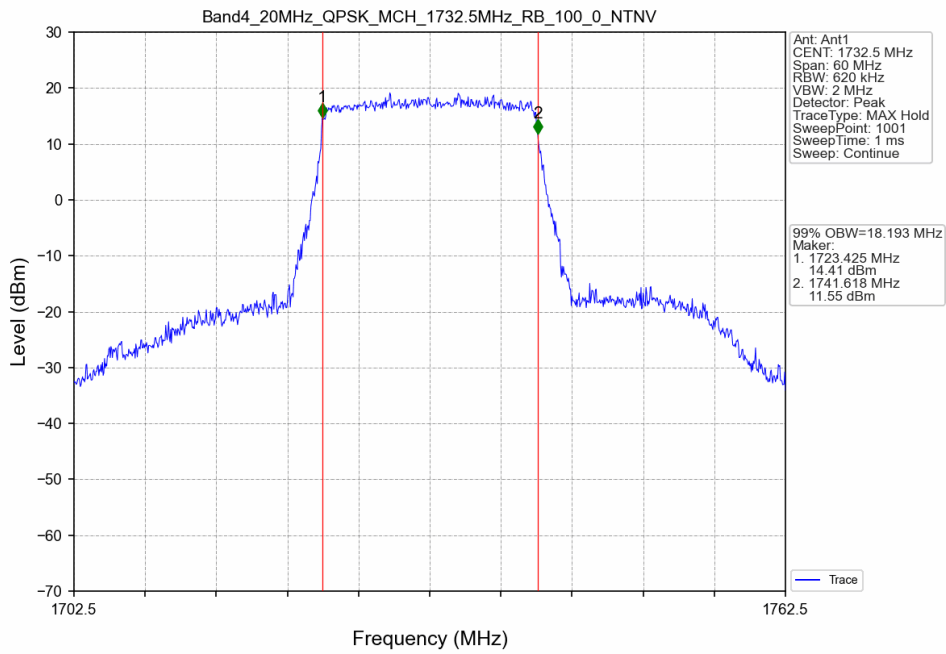
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



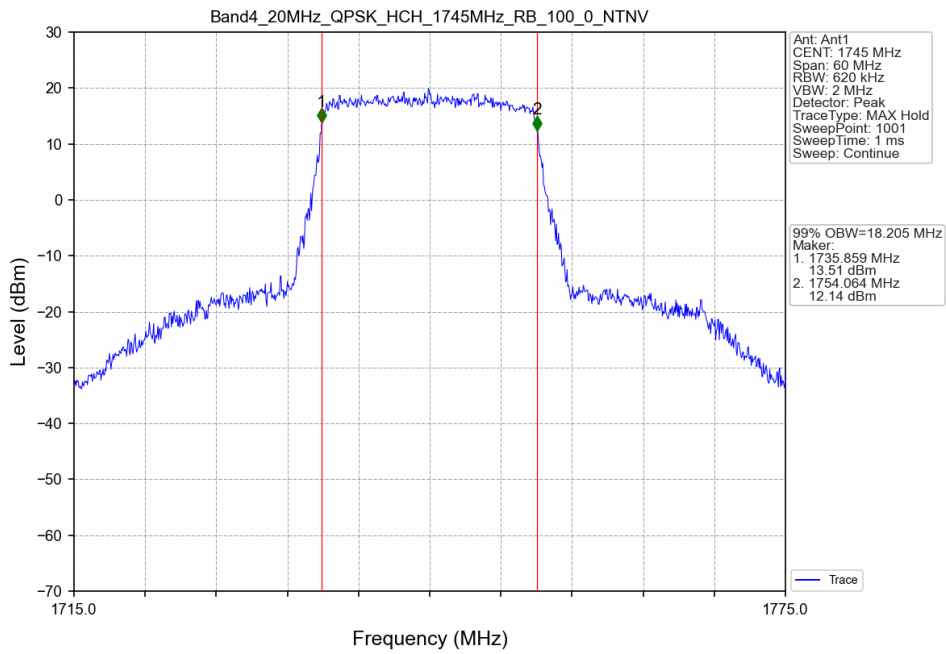
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



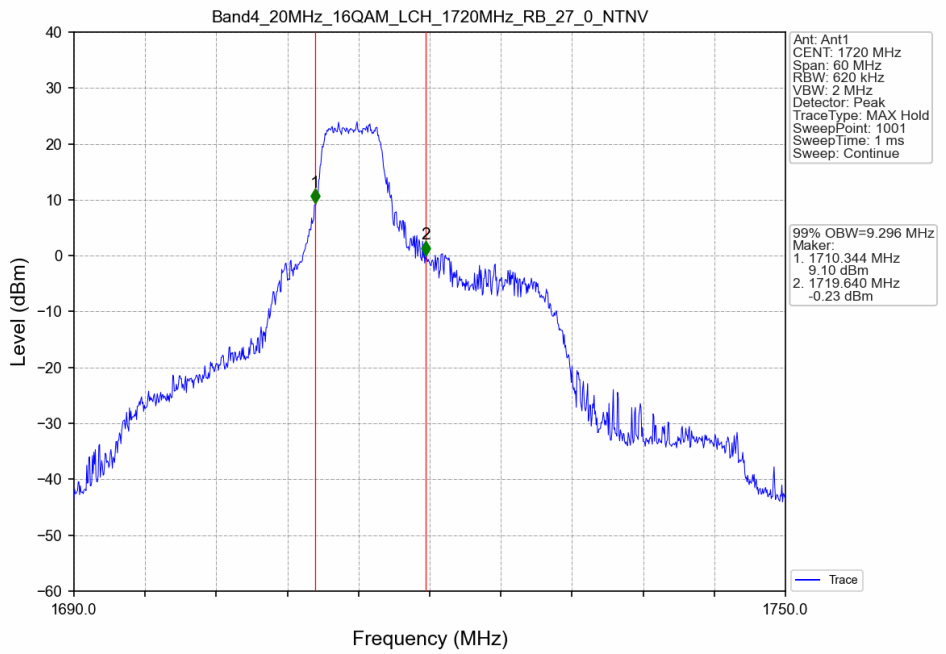
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



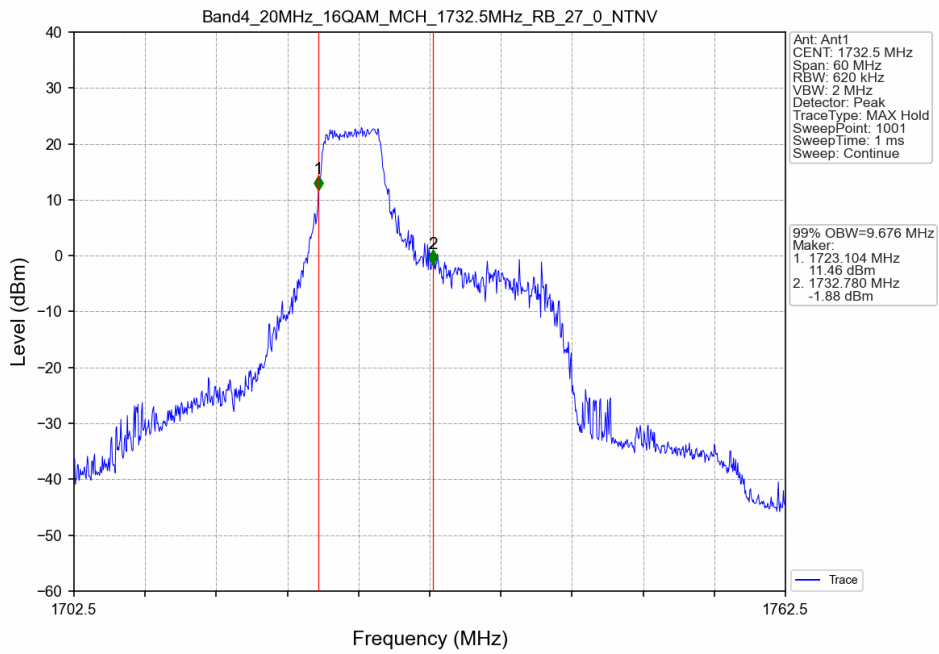
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



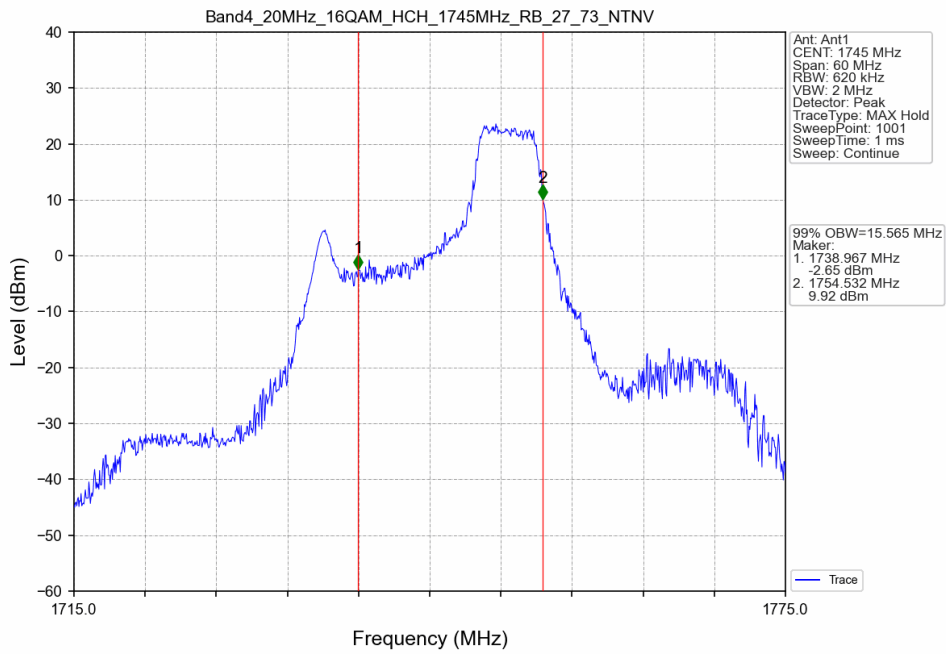
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV

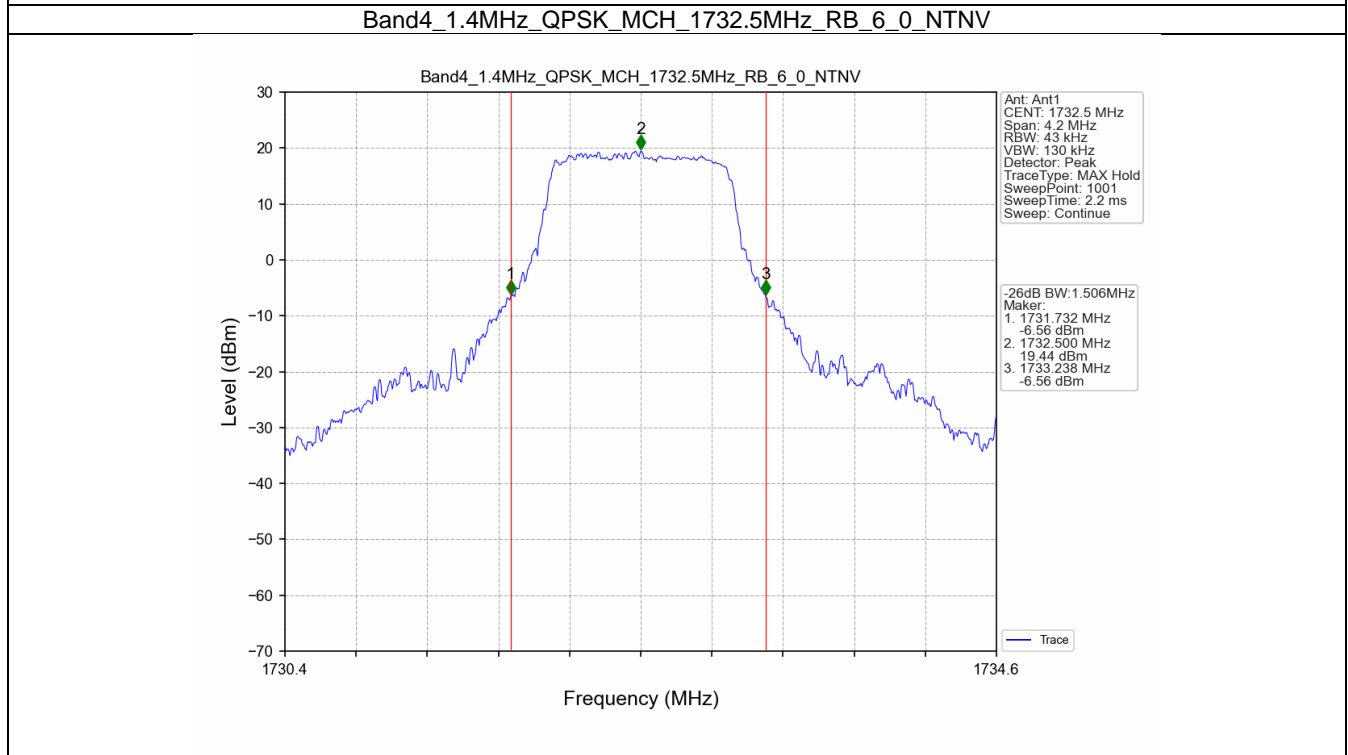
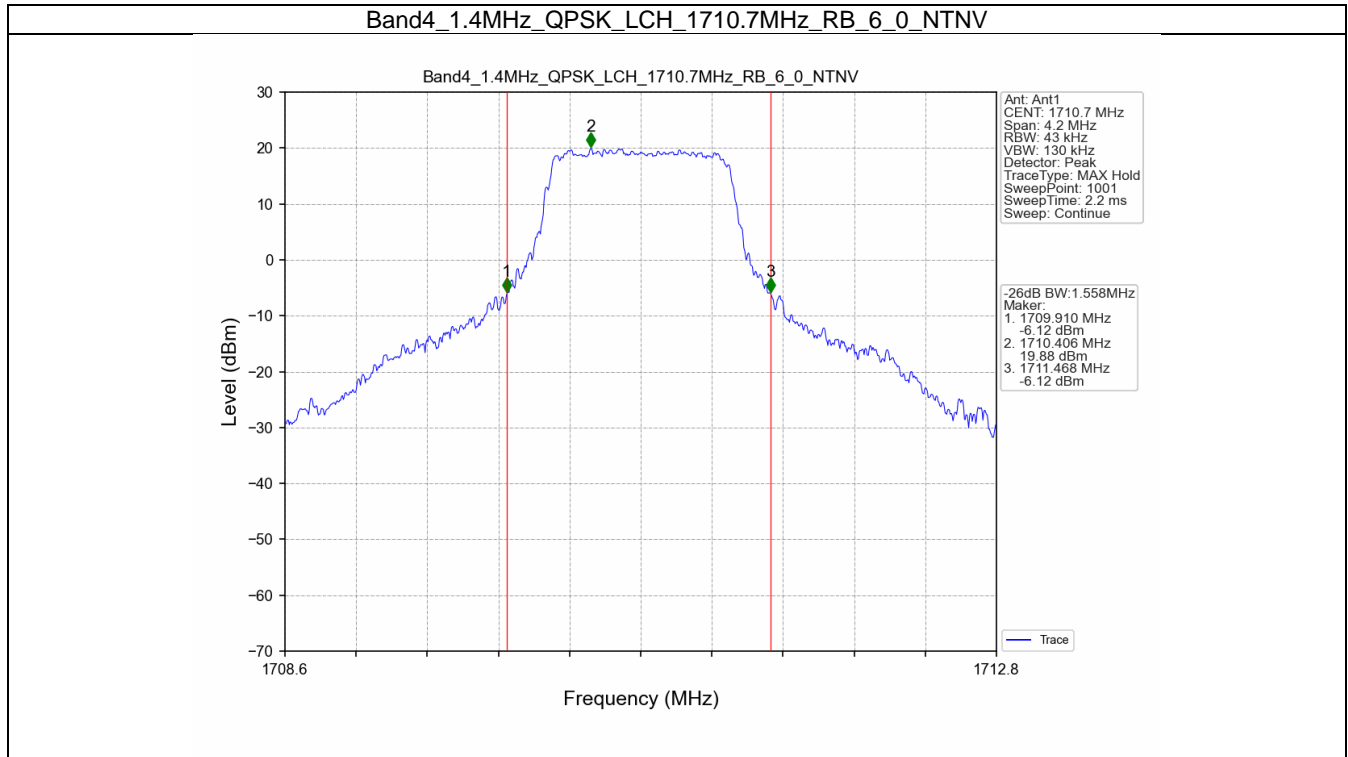


2.2 Band4_XDB

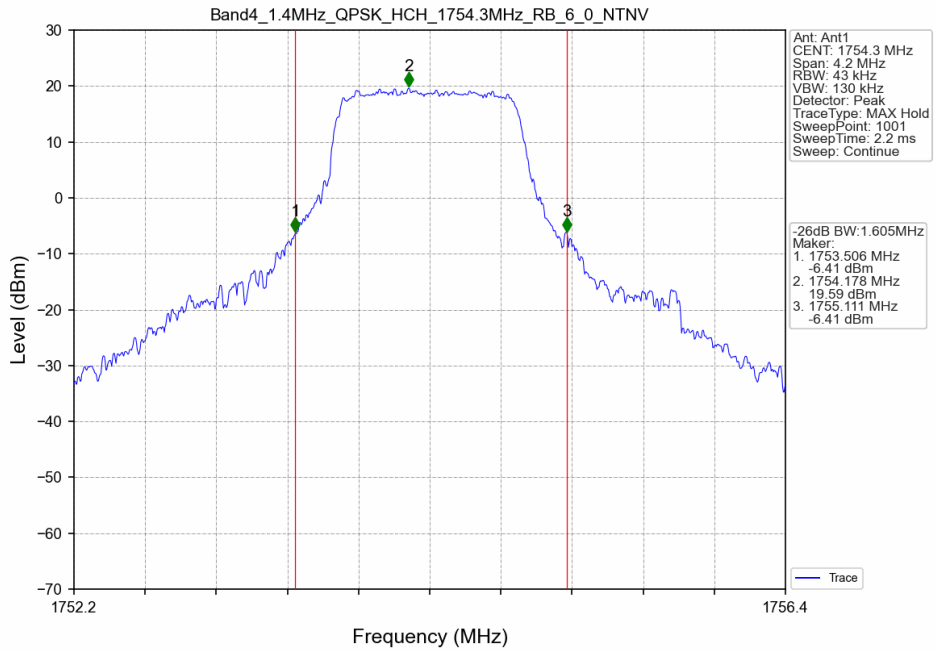
2.2.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.558	/	Pass
		1732.5	6	0	1.506	/	Pass
		1754.3	6	0	1.605	/	Pass
	16QAM	1710.7	6	0	1.631	/	Pass
		1732.5	6	0	1.528	/	Pass
		1754.3	6	0	1.529	/	Pass
3	QPSK	1711.5	15	0	3.302	/	Pass
		1732.5	15	0	3.274	/	Pass
		1753.5	15	0	3.325	/	Pass
	16QAM	1711.5	15	0	3.352	/	Pass
		1732.5	15	0	3.301	/	Pass
		1753.5	15	0	3.400	/	Pass
5	QPSK	1712.5	25	0	5.152	/	Pass
		1732.5	25	0	5.099	/	Pass
		1752.5	25	0	5.196	/	Pass
	16QAM	1712.5	25	0	5.147	/	Pass
		1732.5	25	0	5.165	/	Pass
		1752.5	25	0	5.175	/	Pass
10	QPSK	1715	50	0	10.108	/	Pass
		1732.5	50	0	9.813	/	Pass
		1750	50	0	9.815	/	Pass
	16QAM	1715	27	0	11.185	/	Pass
		1732.5	27	0	9.056	/	Pass
		1750	27	23	9.459	/	Pass
15	QPSK	1717.5	75	0	17.464	/	Pass
		1732.5	75	0	16.936	/	Pass
		1747.5	75	0	16.556	/	Pass
	16QAM	1717.5	27	0	12.991	/	Pass
		1732.5	27	0	12.835	/	Pass
		1747.5	27	48	15.514	/	Pass
20	QPSK	1720	100	0	21.835	/	Pass
		1732.5	100	0	21.503	/	Pass
		1745	100	0	21.413	/	Pass
	16QAM	1720	27	0	17.751	/	Pass
		1732.5	27	0	20.292	/	Pass
		1745	27	73	20.669	/	Pass

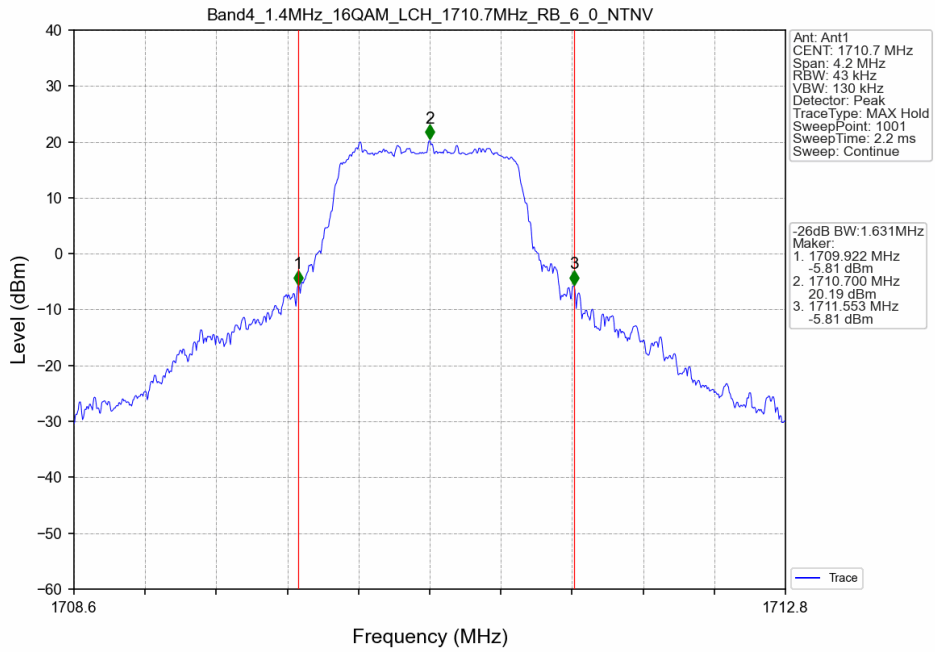
2.2.2 Test Graph



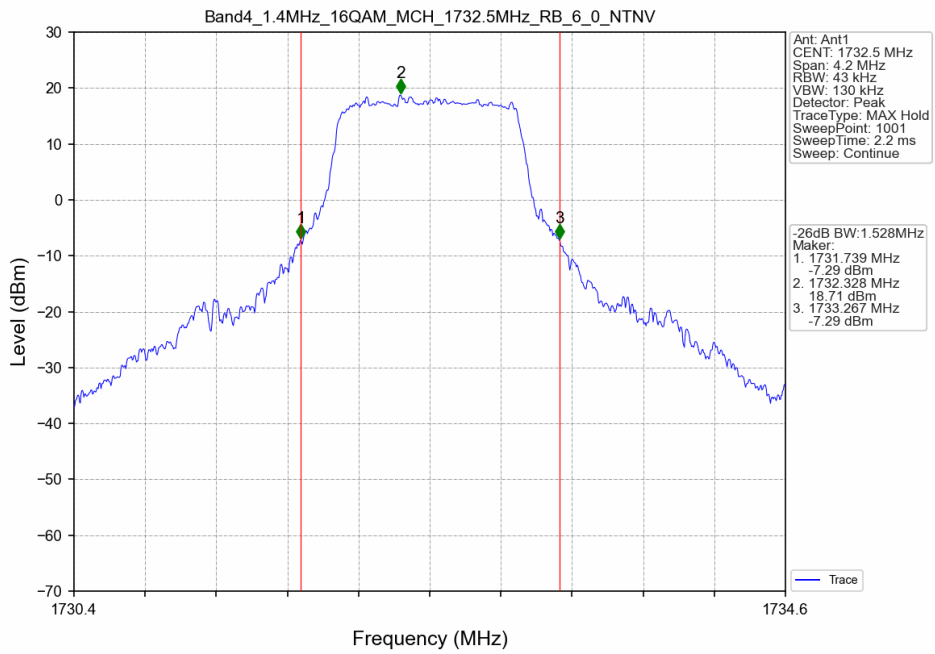
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



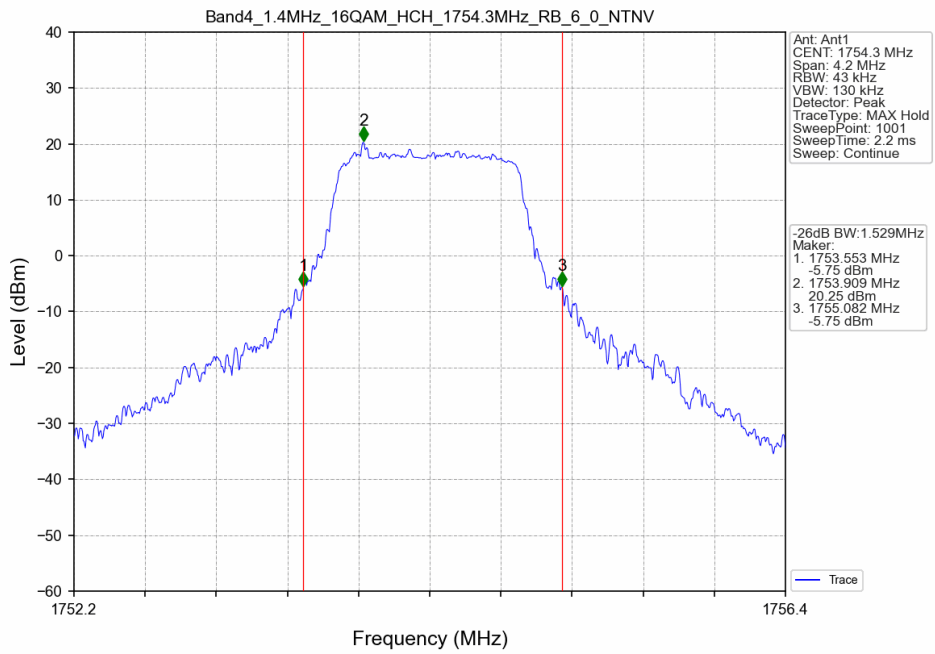
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



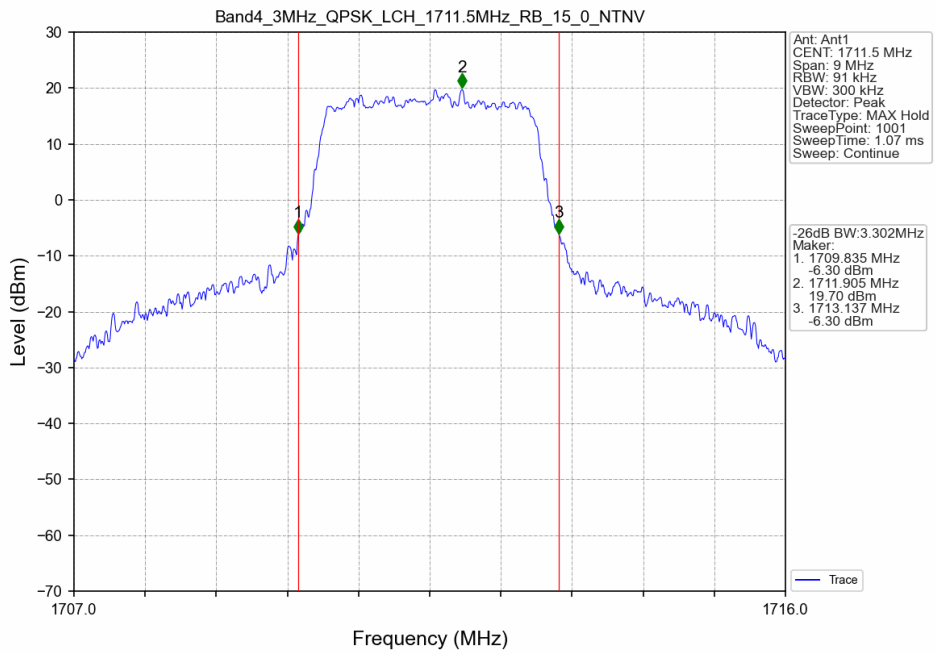
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



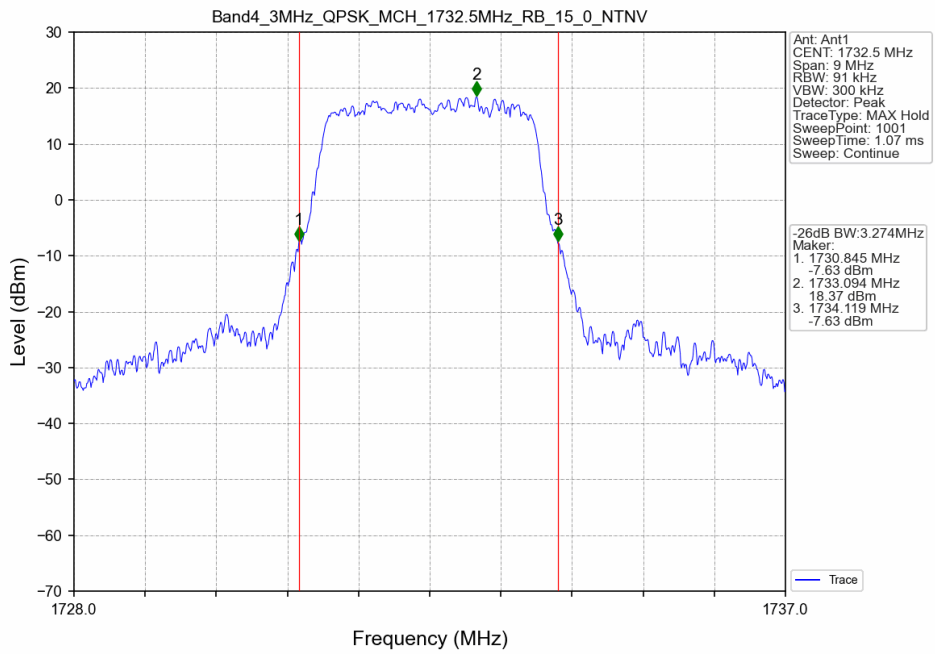
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



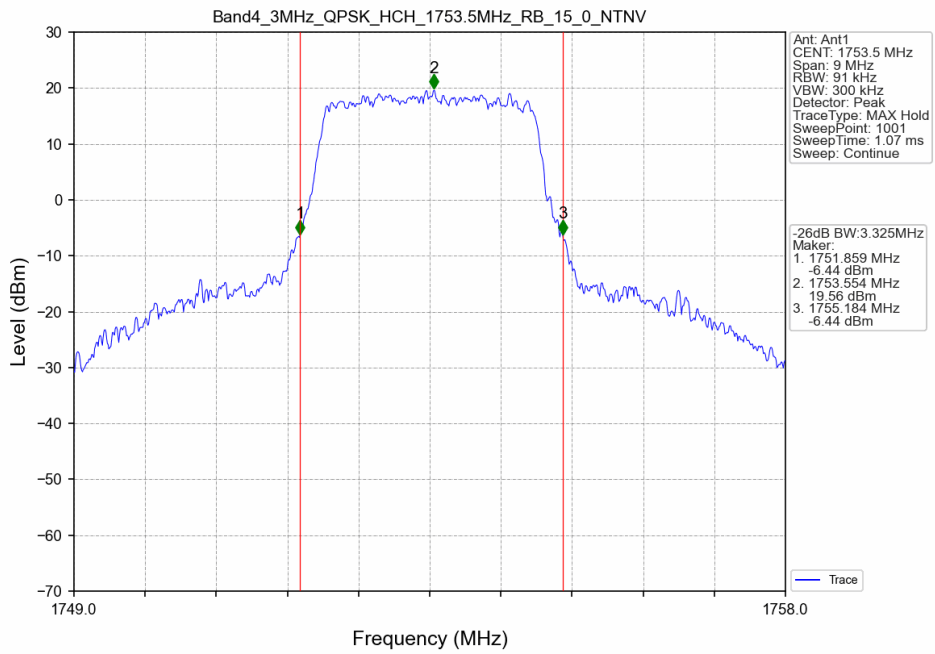
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



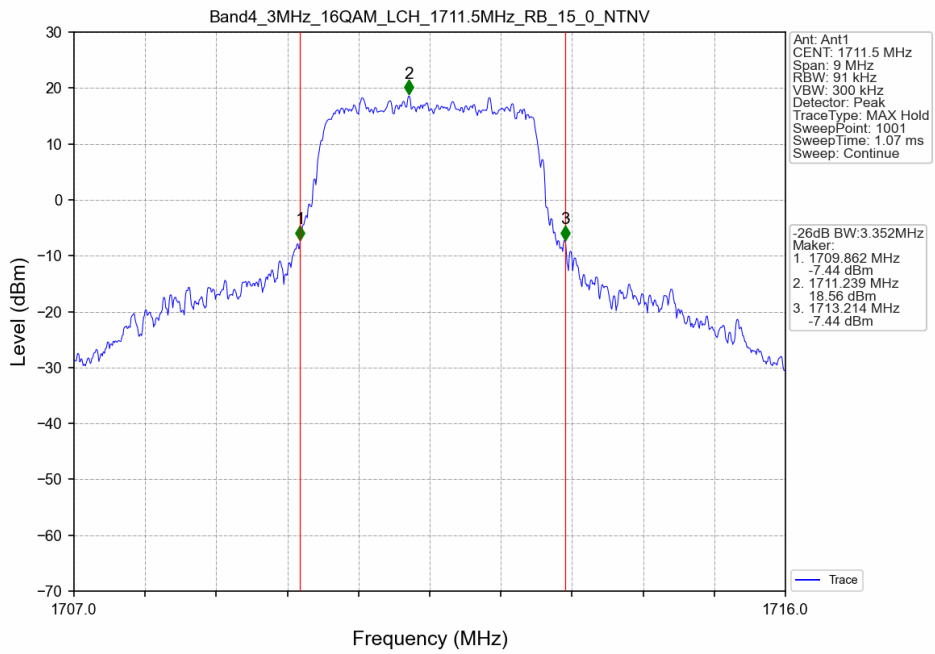
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



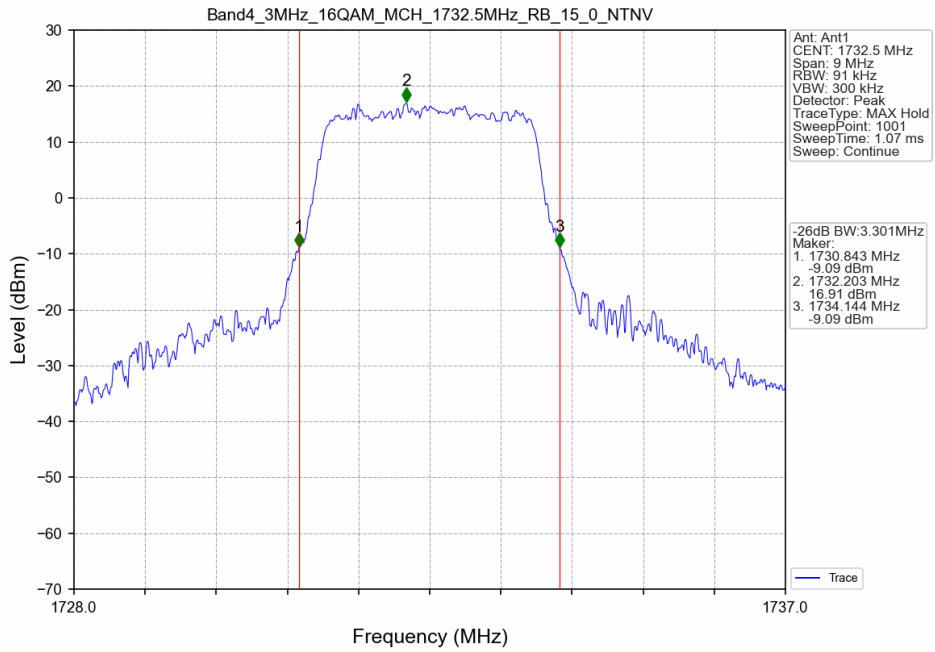
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



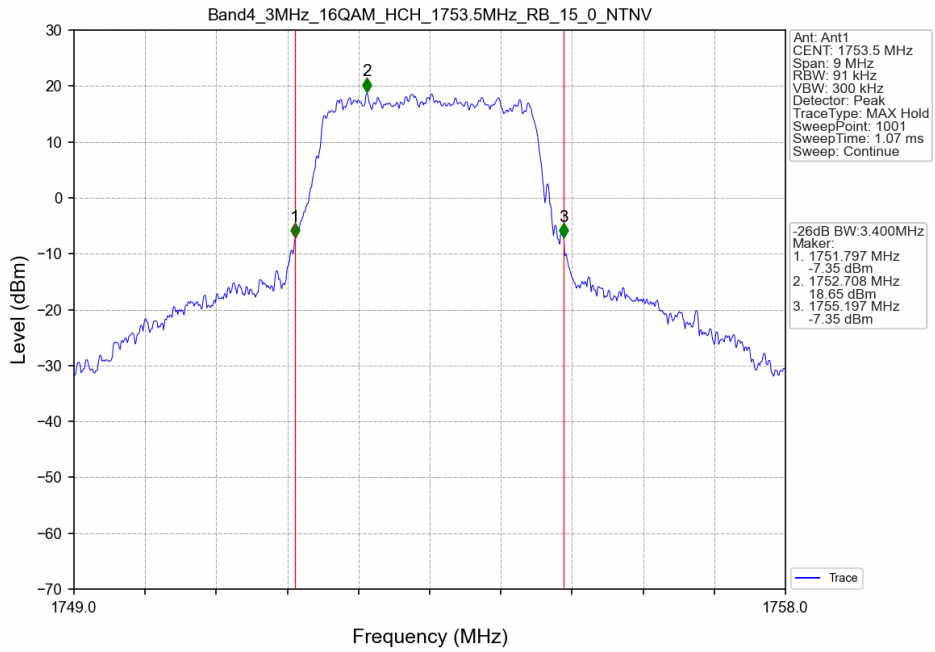
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



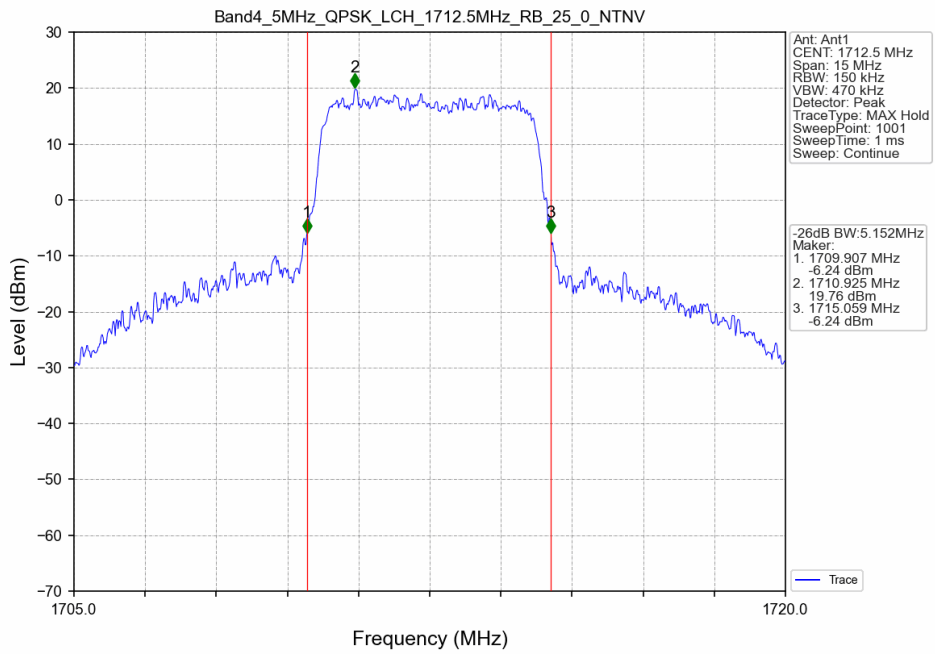
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



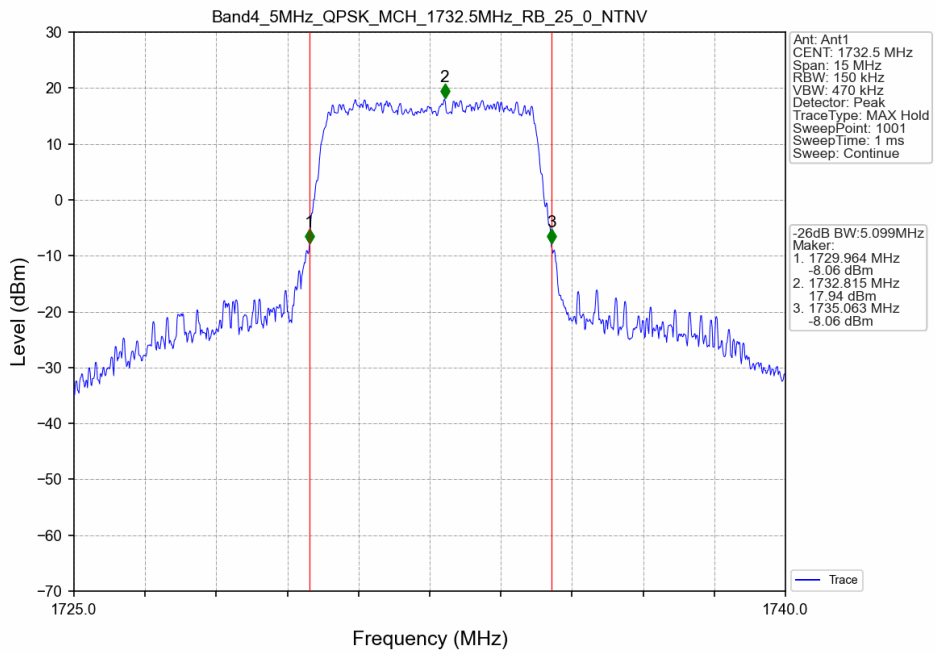
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



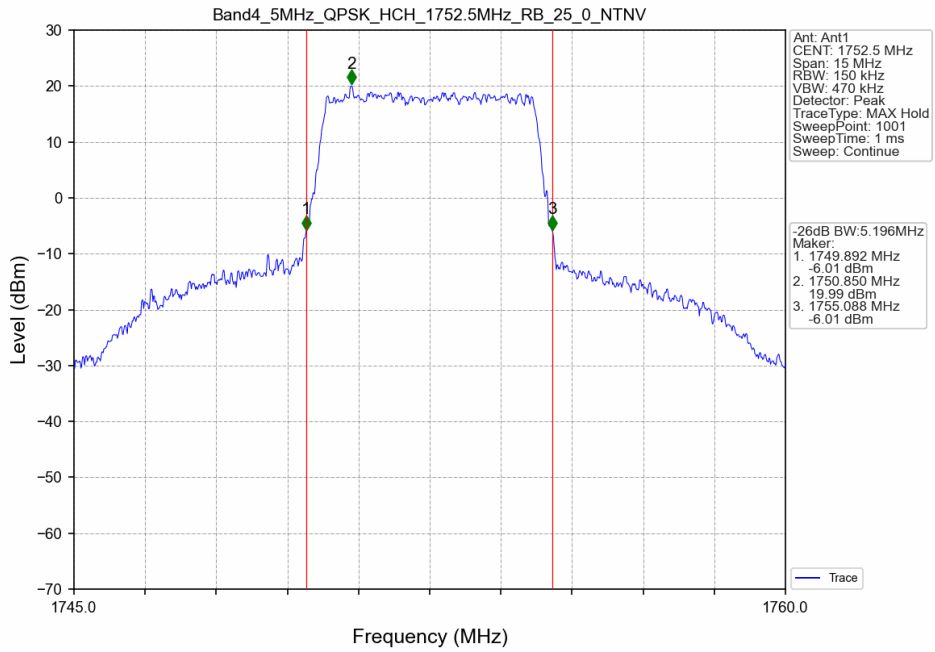
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



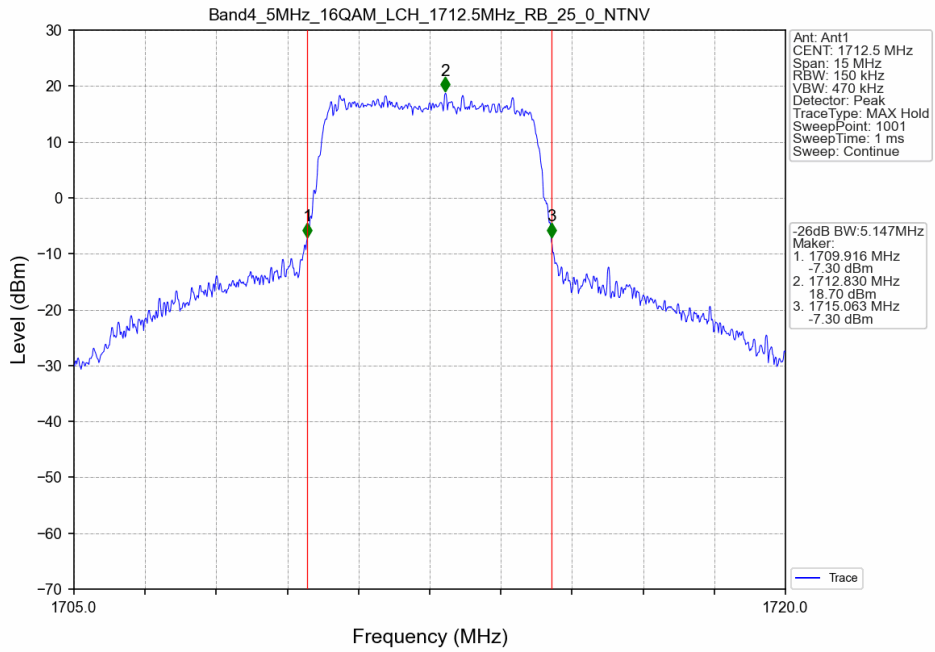
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



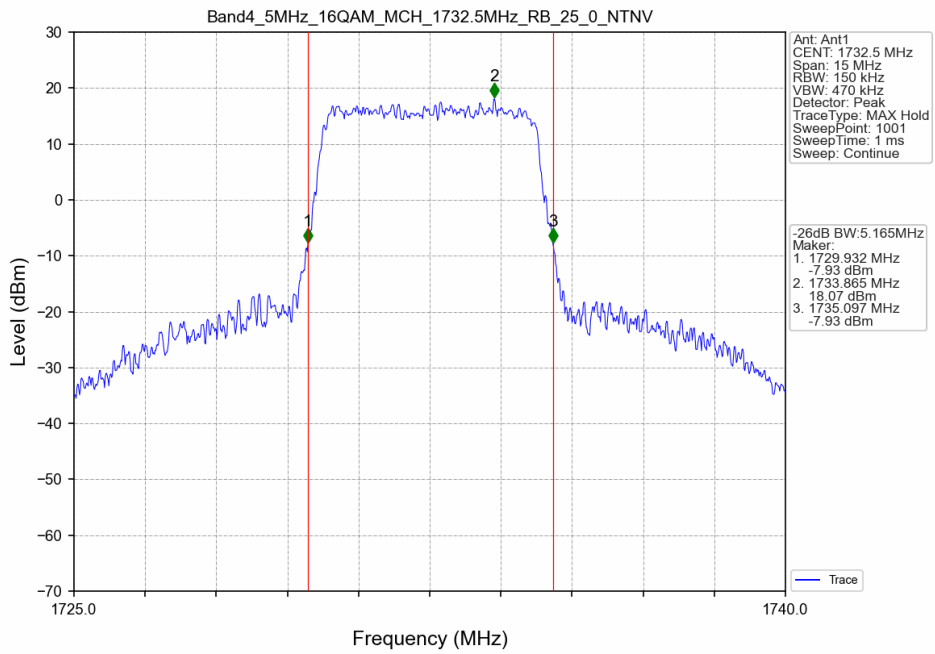
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



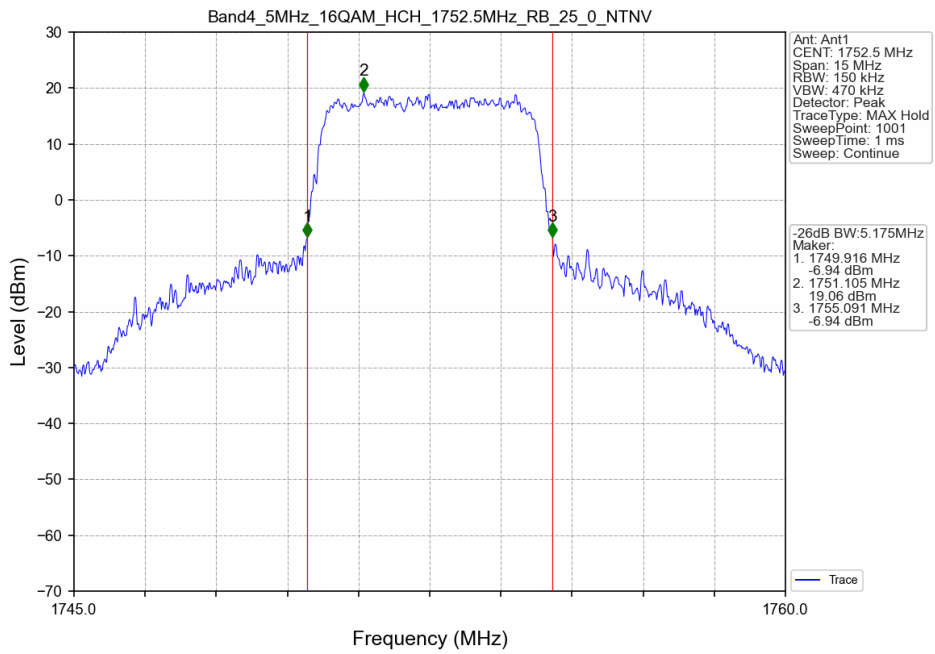
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



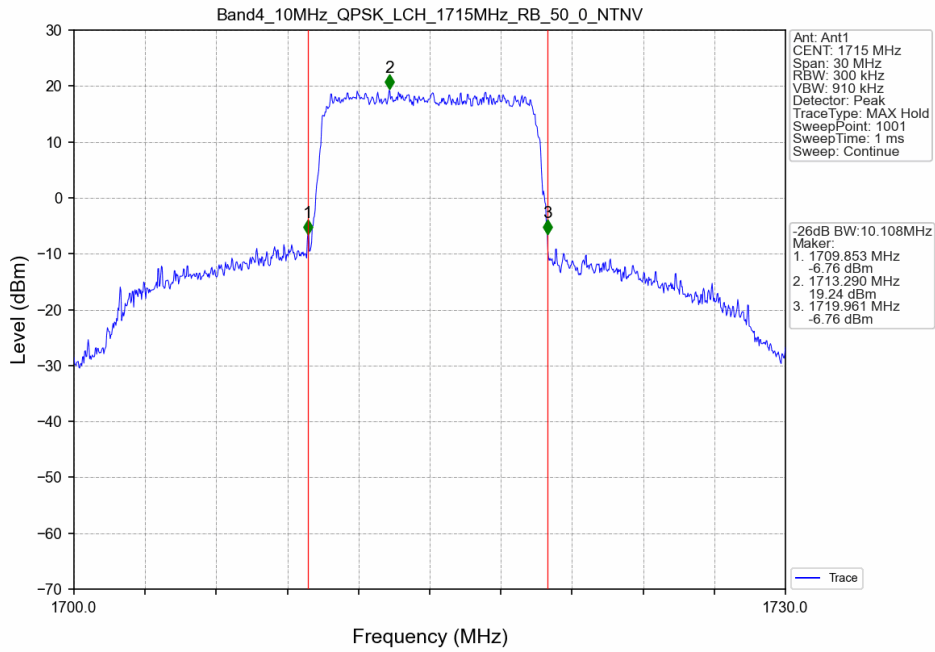
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



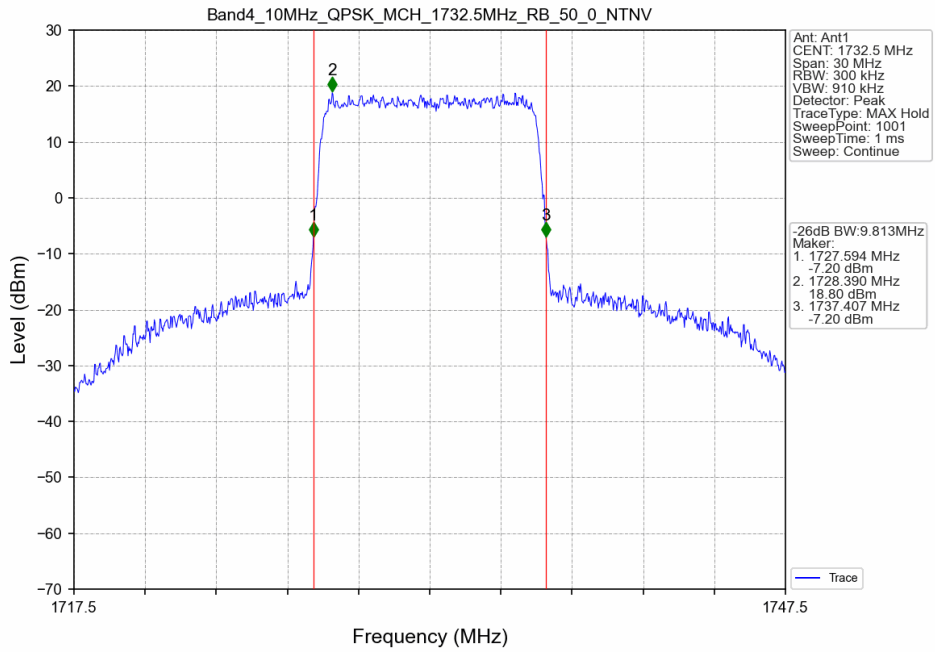
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



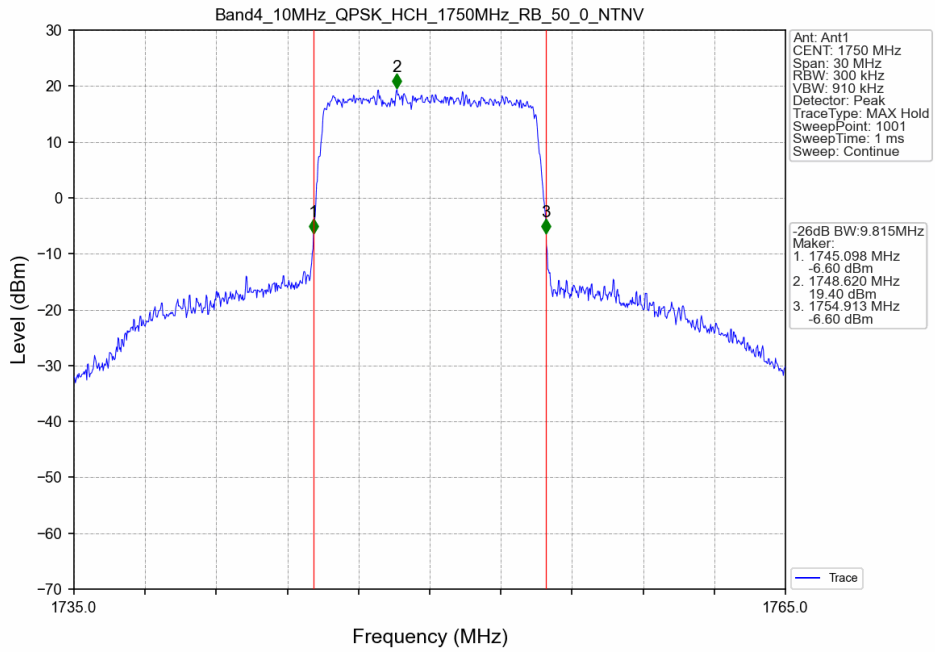
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



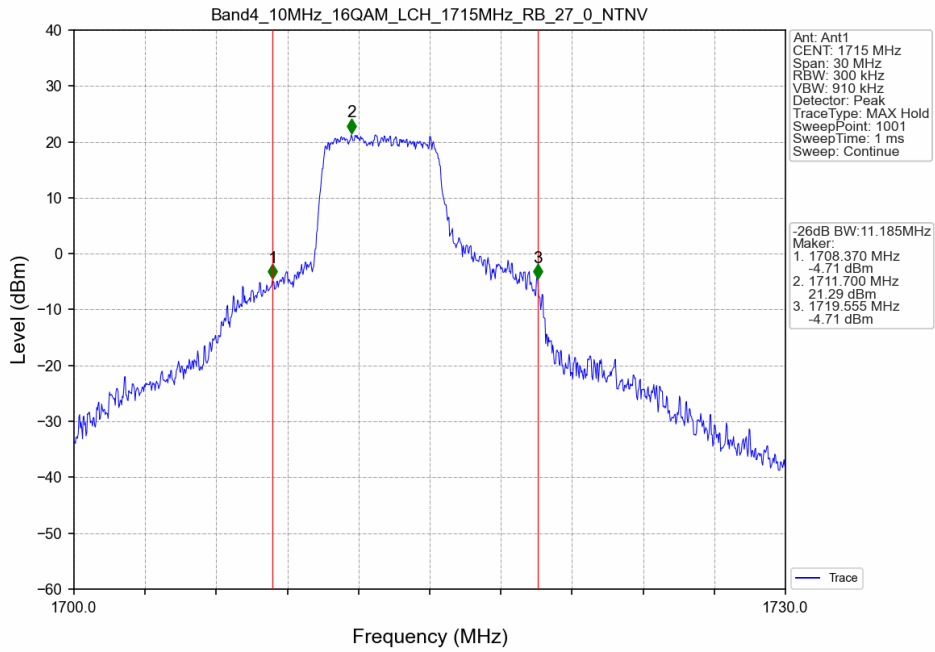
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



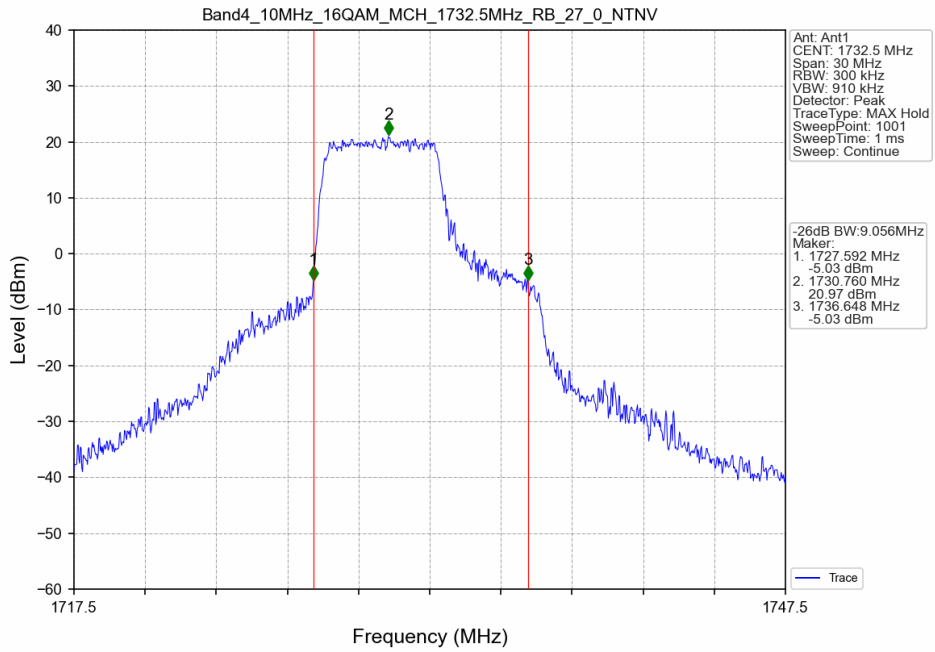
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



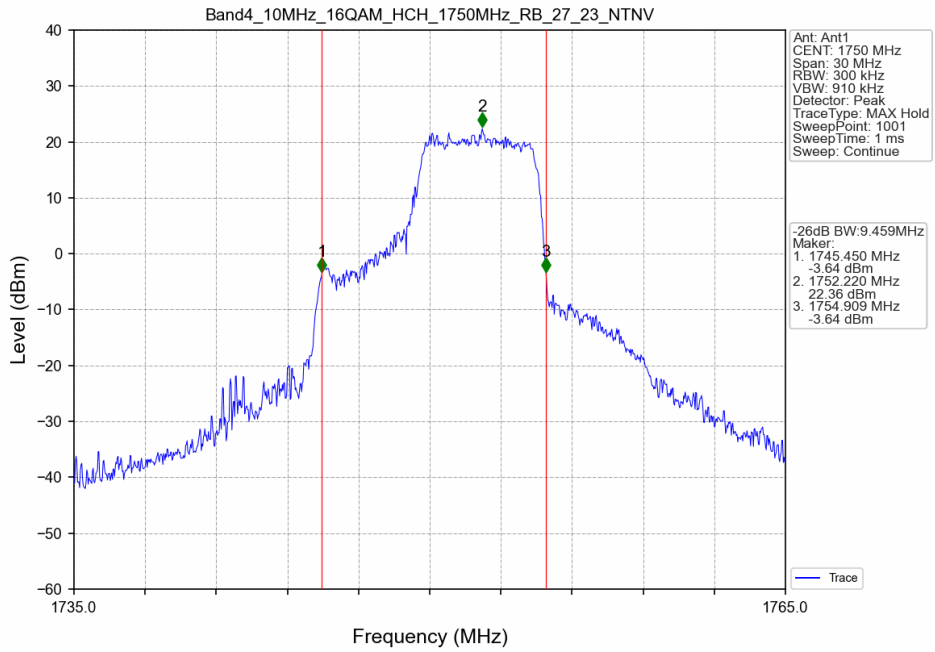
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



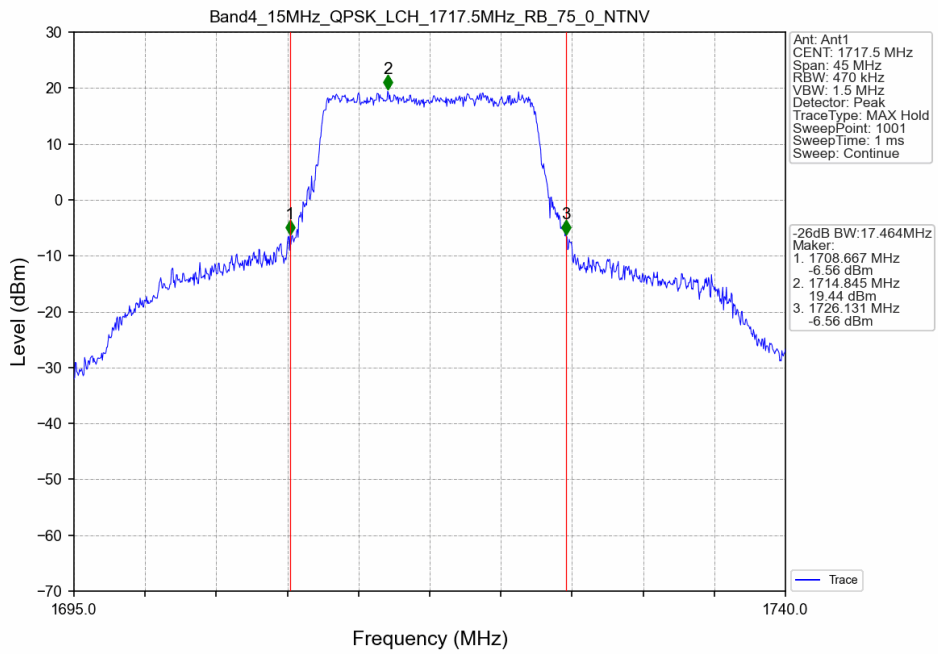
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



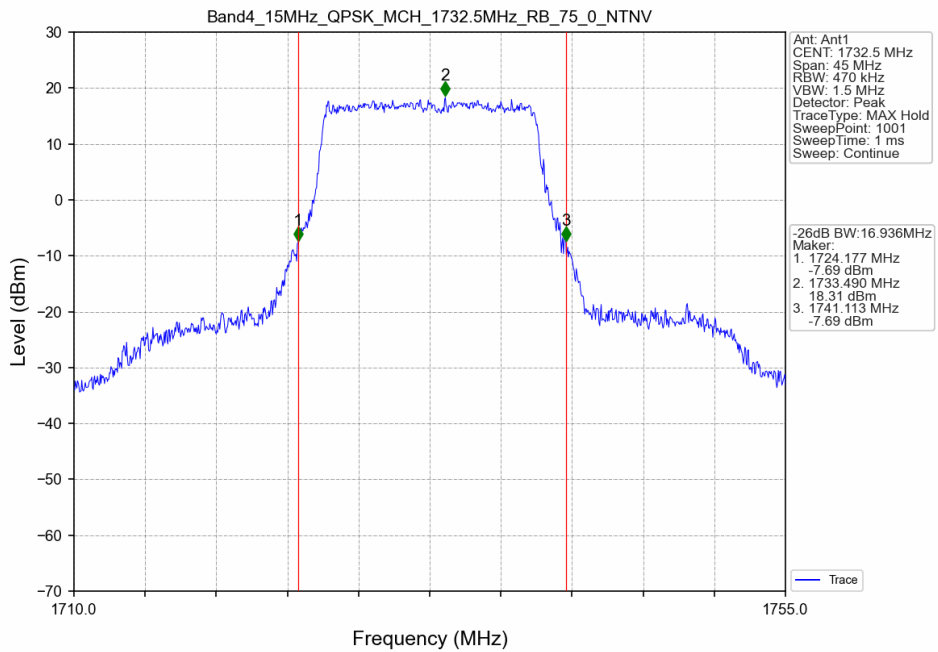
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



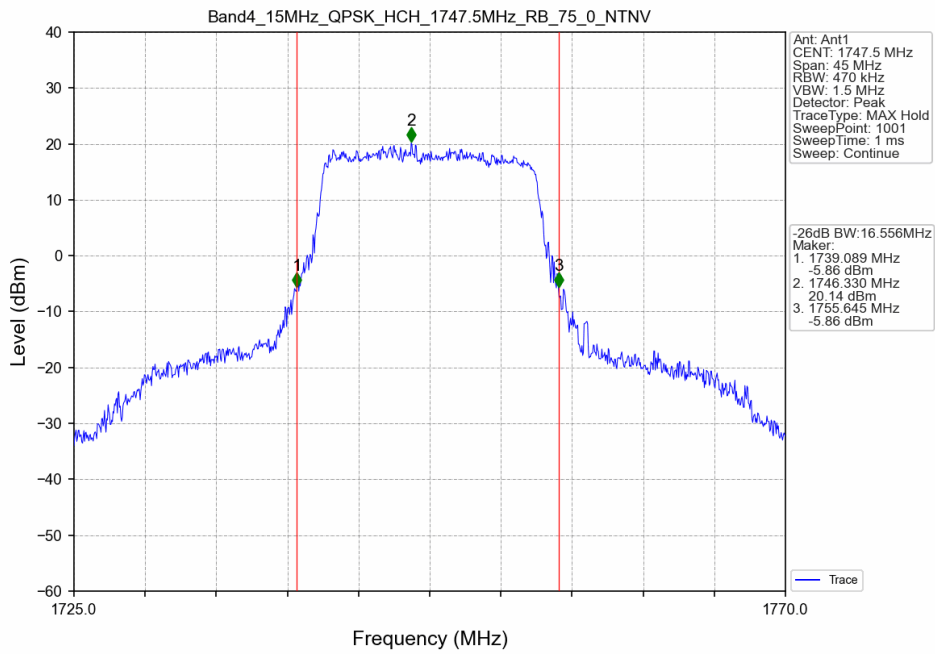
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



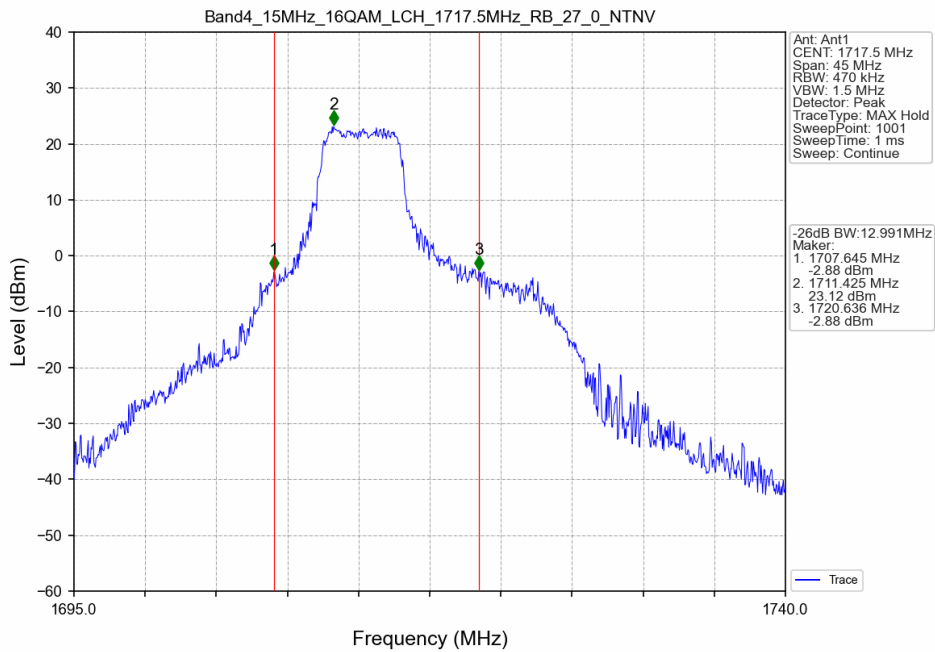
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



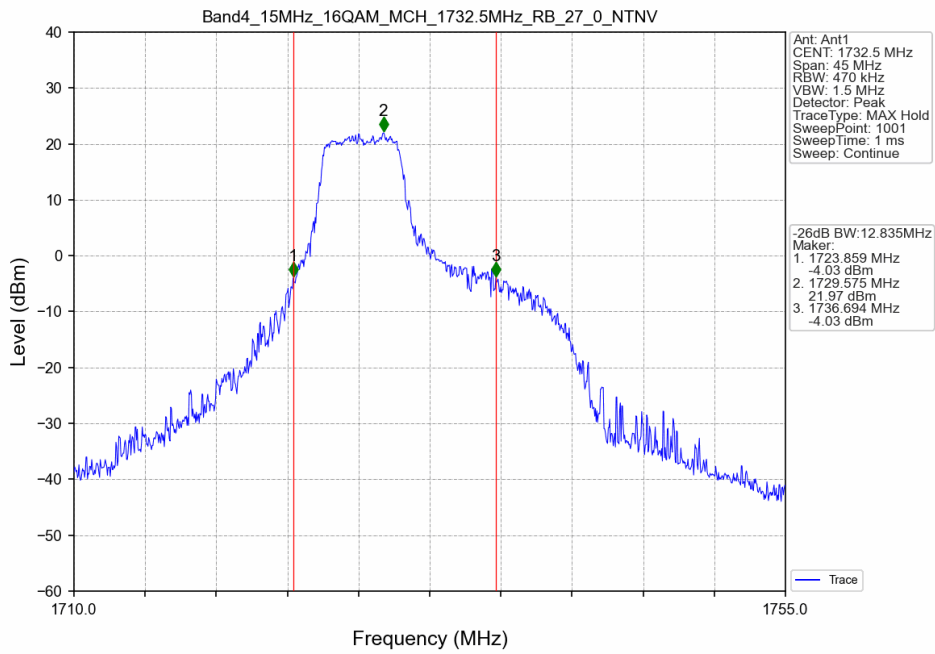
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



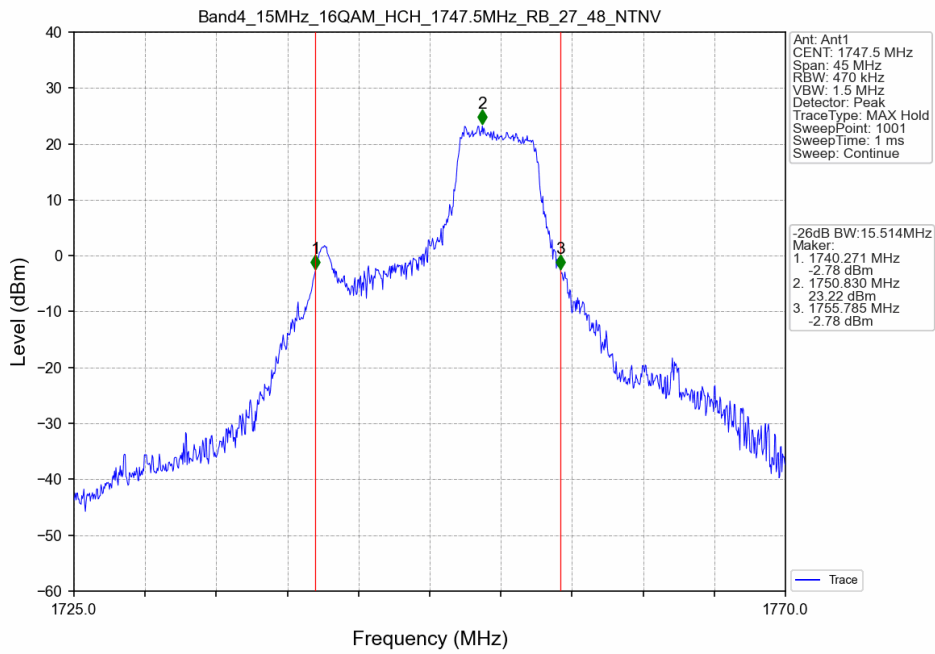
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



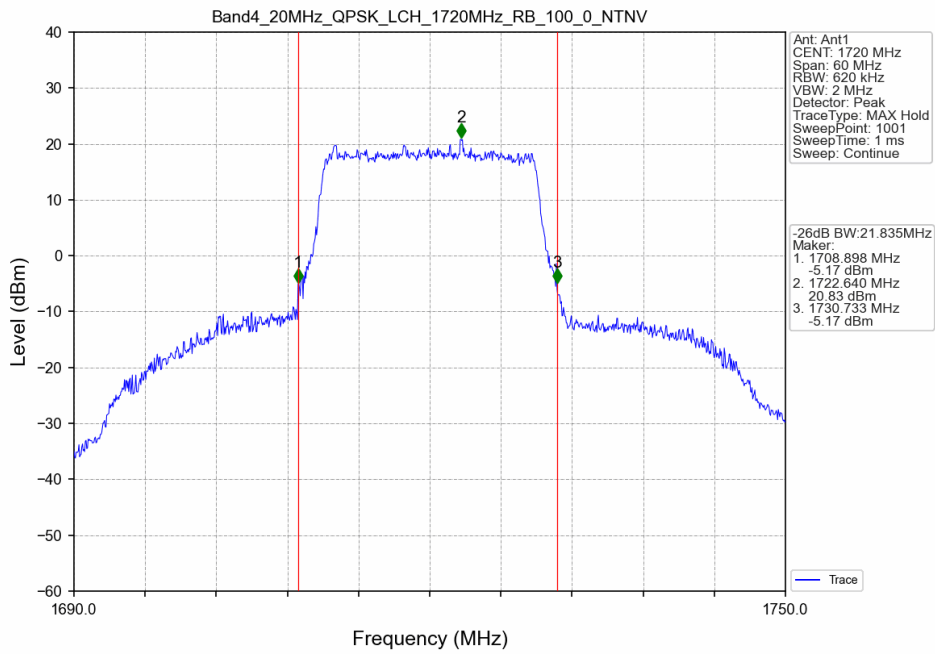
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



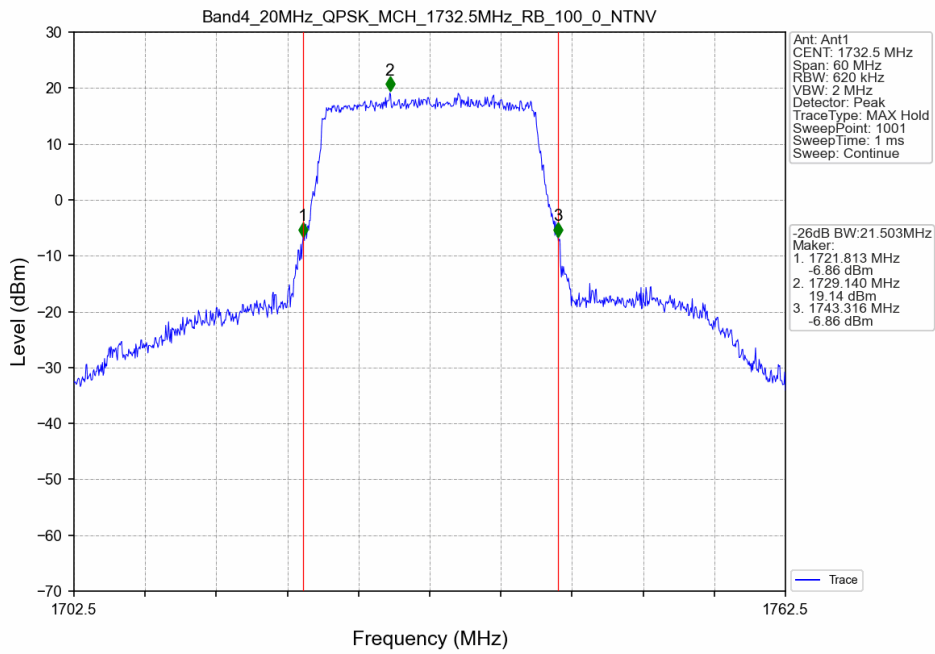
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



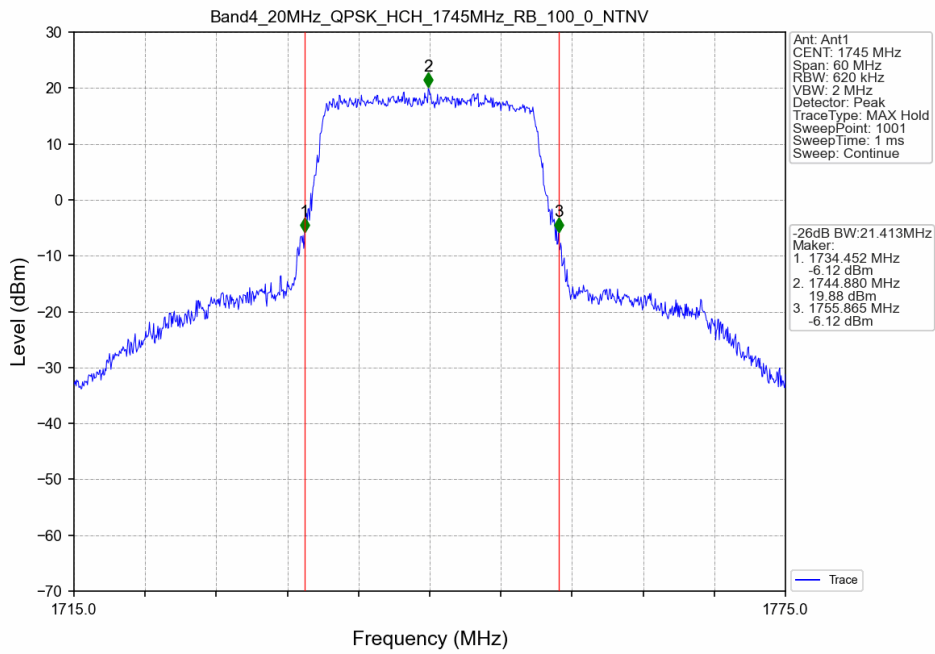
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



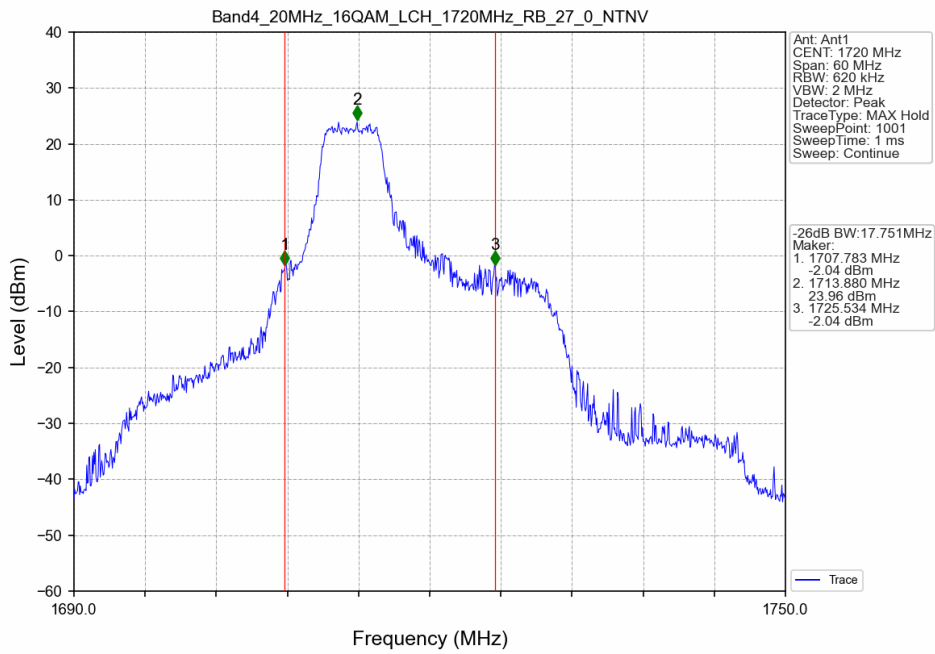
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



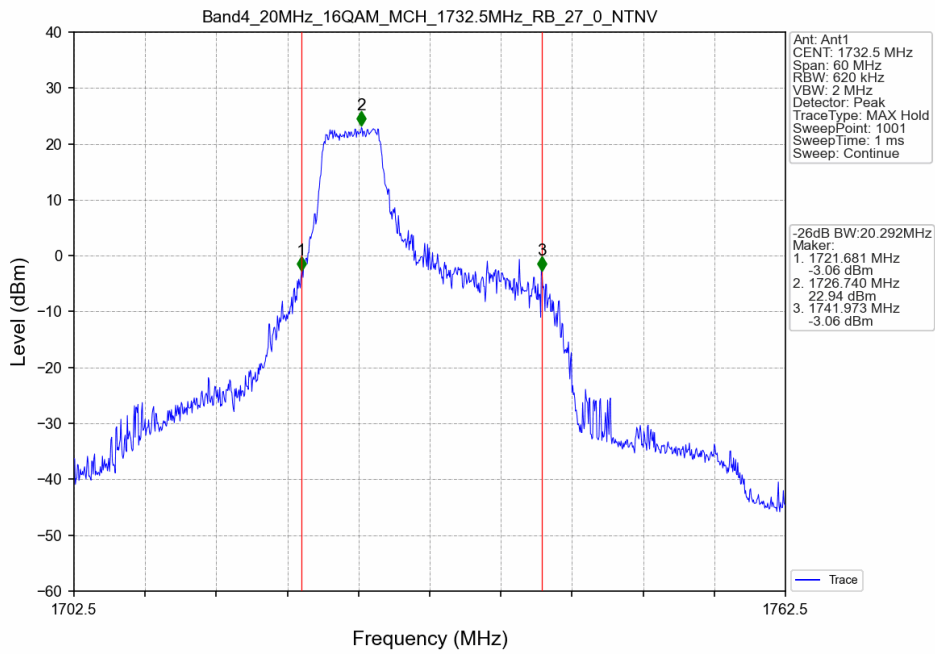
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



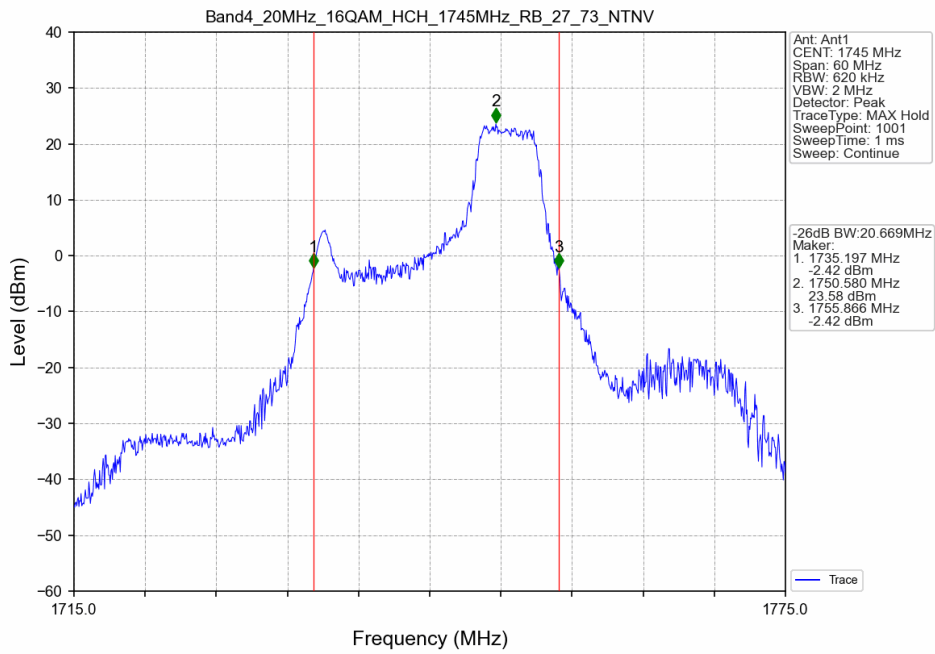
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



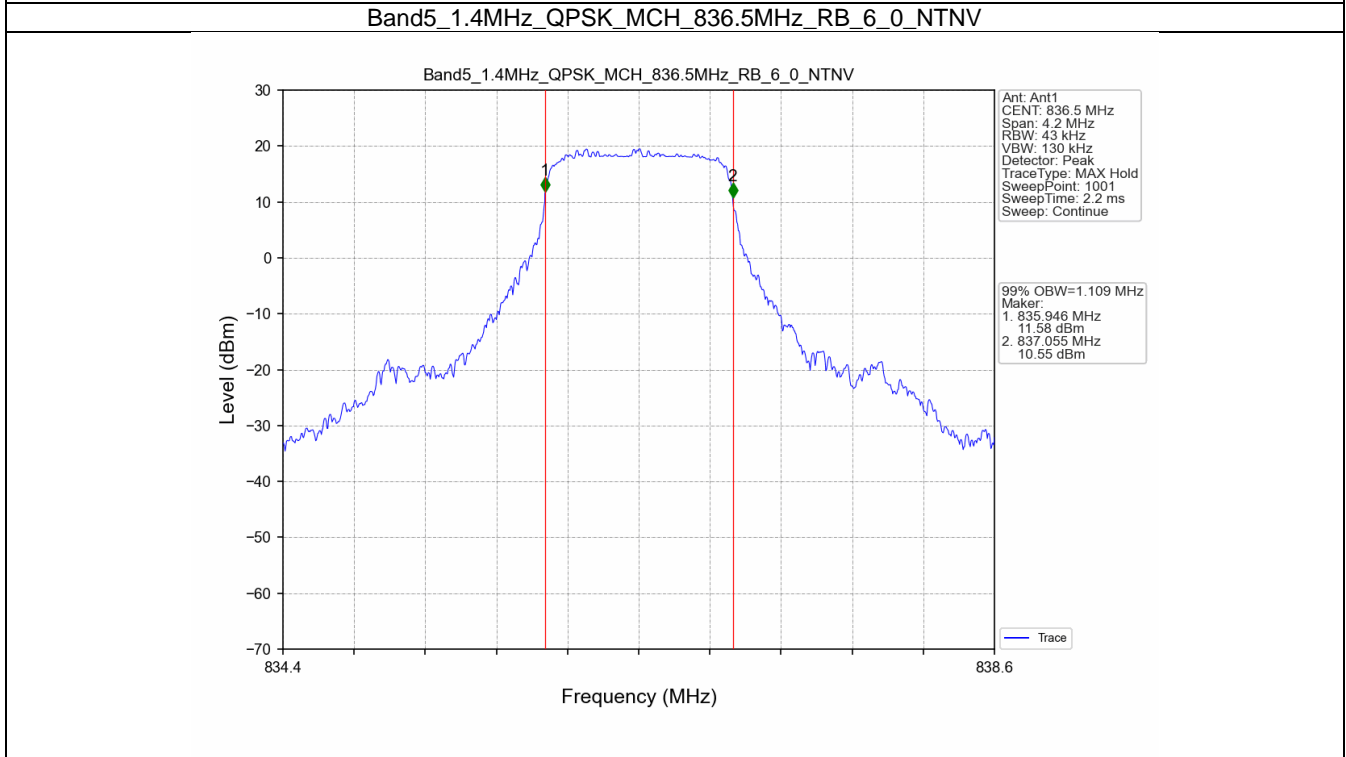
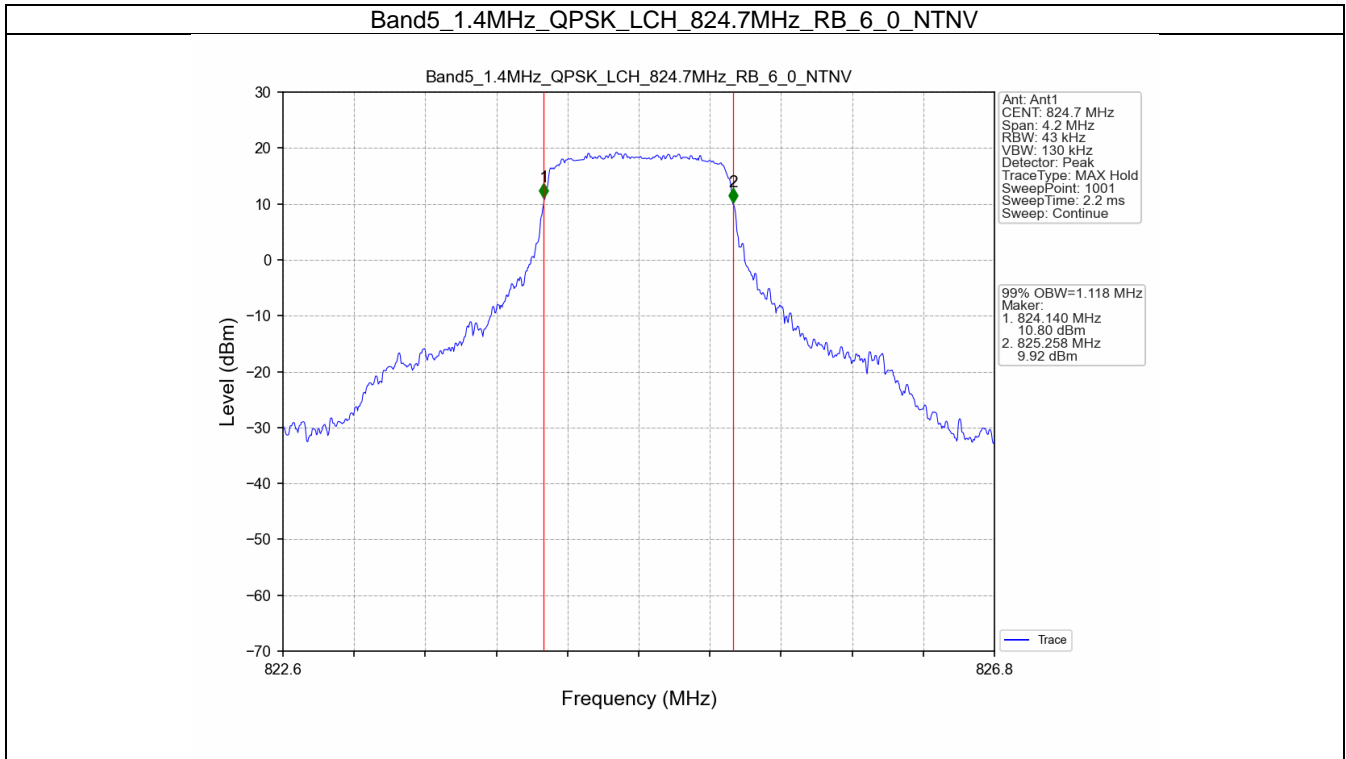
3. 99% & 26dB Bandwidth

3.1 Band5_OBW

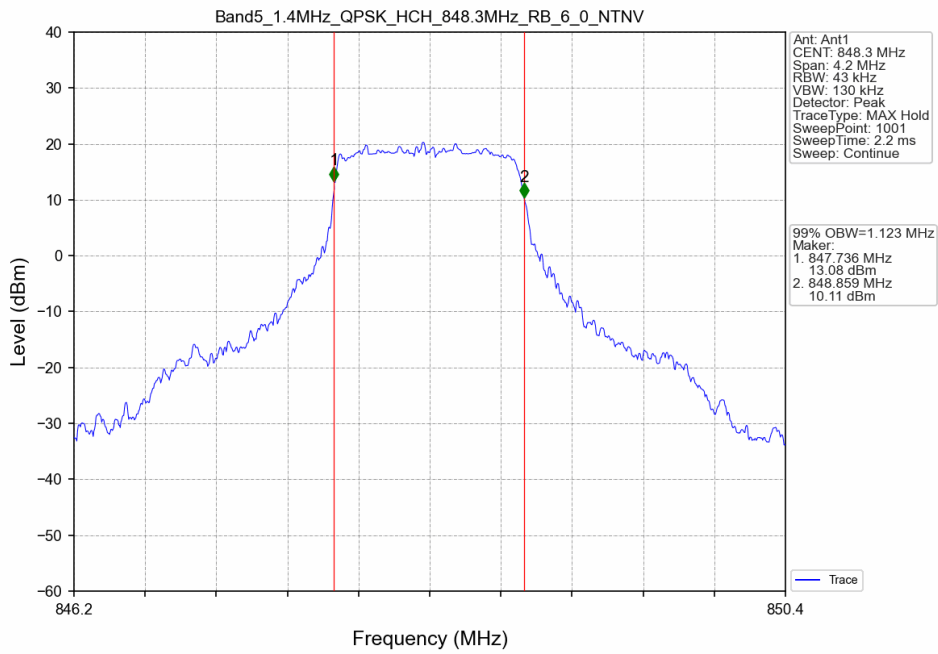
3.1.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.118	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.123	/	Pass
	16QAM	824.7	6	0	1.134	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.126	/	Pass
3	QPSK	825.5	15	0	2.739	/	Pass
		836.5	15	0	2.733	/	Pass
		847.5	15	0	2.738	/	Pass
	16QAM	825.5	15	0	2.748	/	Pass
		836.5	15	0	2.733	/	Pass
		847.5	15	0	2.751	/	Pass
5	QPSK	826.5	25	0	4.545	/	Pass
		836.5	25	0	4.546	/	Pass
		846.5	25	0	4.520	/	Pass
	16QAM	826.5	25	0	4.551	/	Pass
		836.5	25	0	4.521	/	Pass
		846.5	25	0	4.535	/	Pass
10	QPSK	829	50	0	8.997	/	Pass
		836.5	50	0	9.017	/	Pass
		844	50	0	8.981	/	Pass
	16QAM	829	27	0	5.509	/	Pass
		836.5	27	0	5.438	/	Pass
		844	27	23	5.576	/	Pass

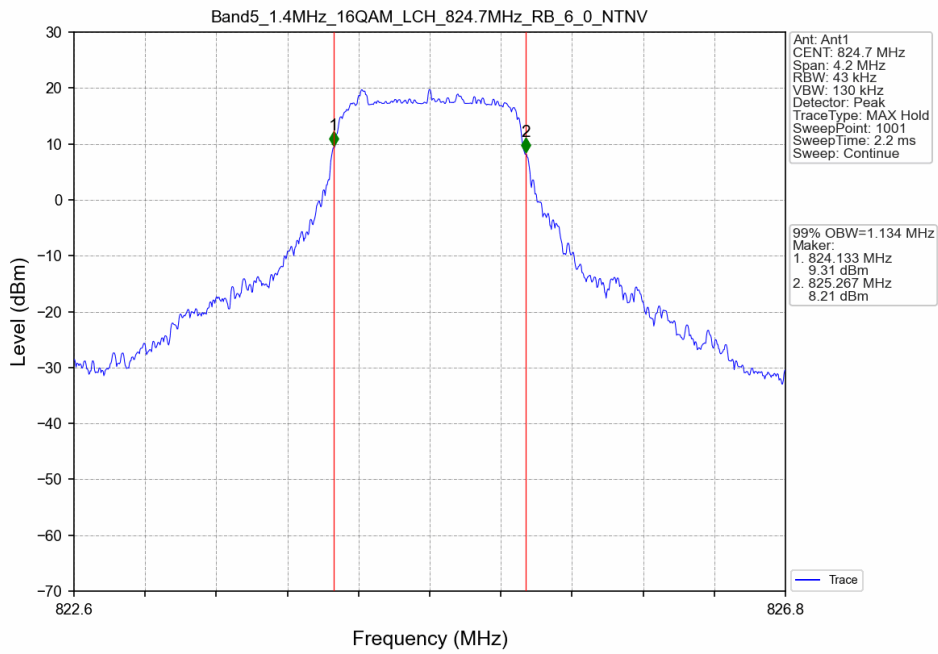
3.1.2 Test Graph



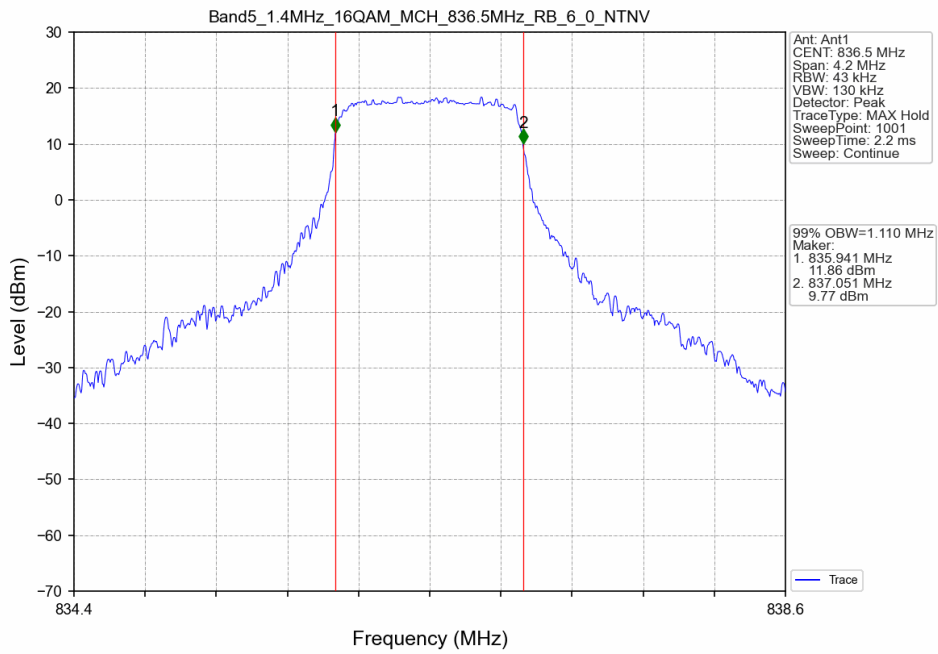
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



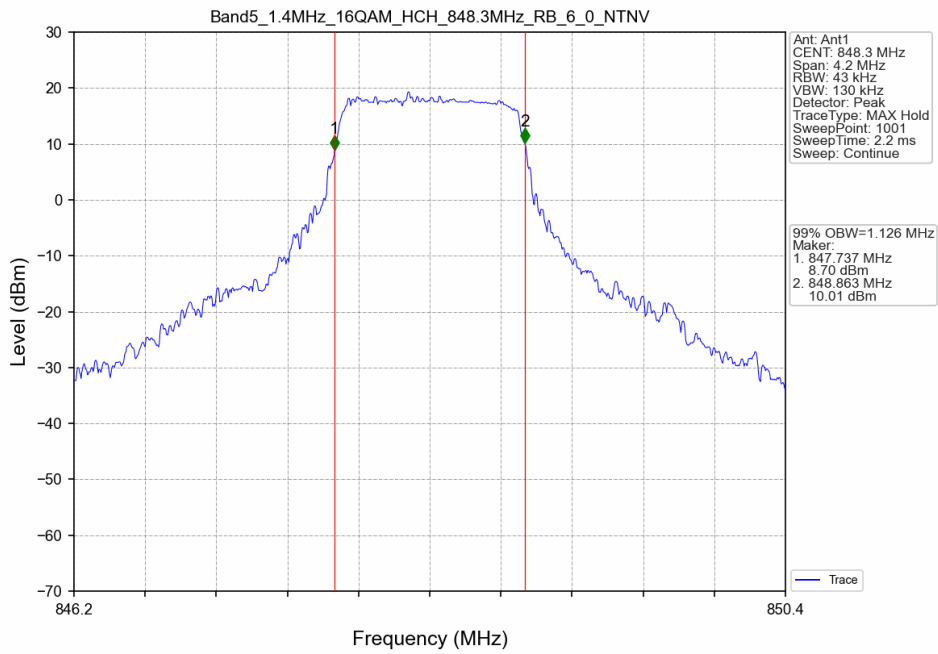
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



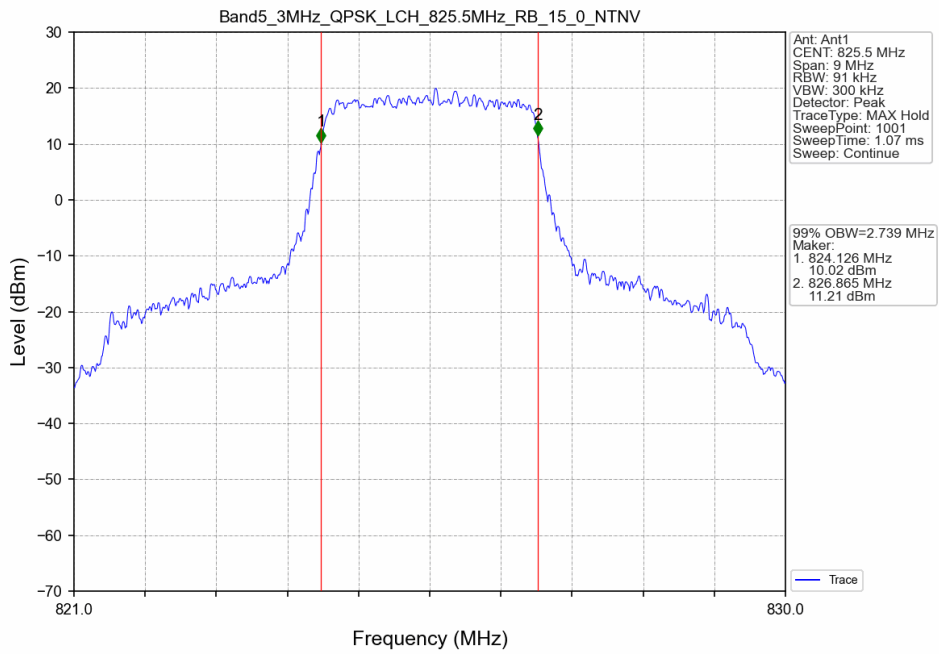
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



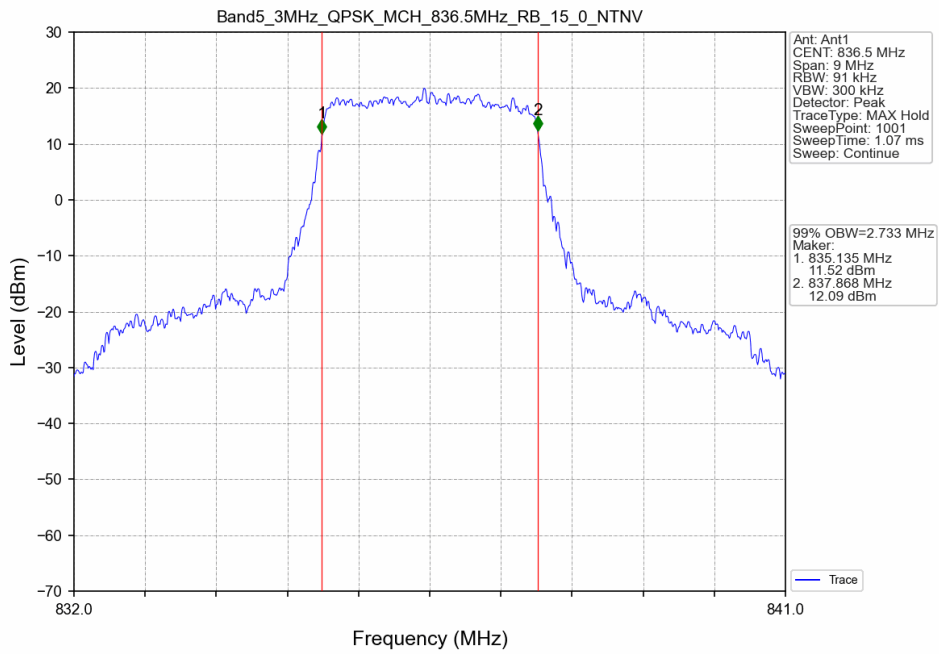
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



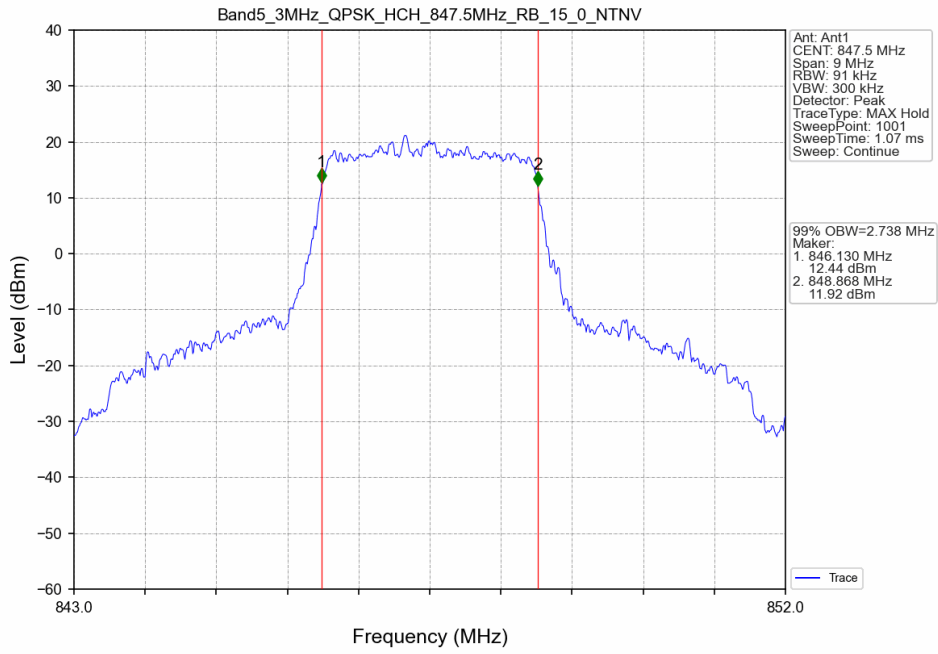
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



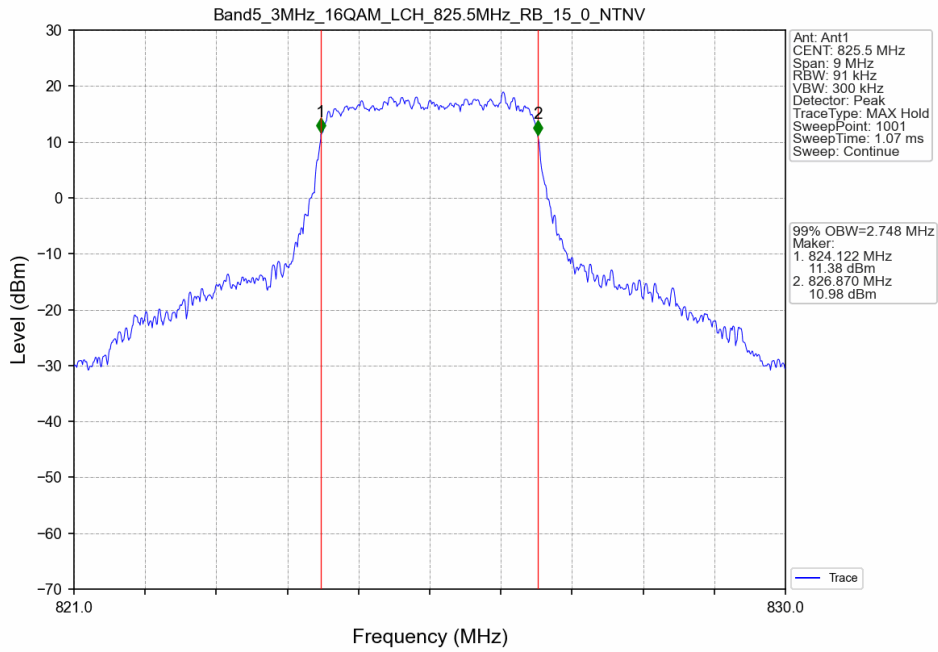
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



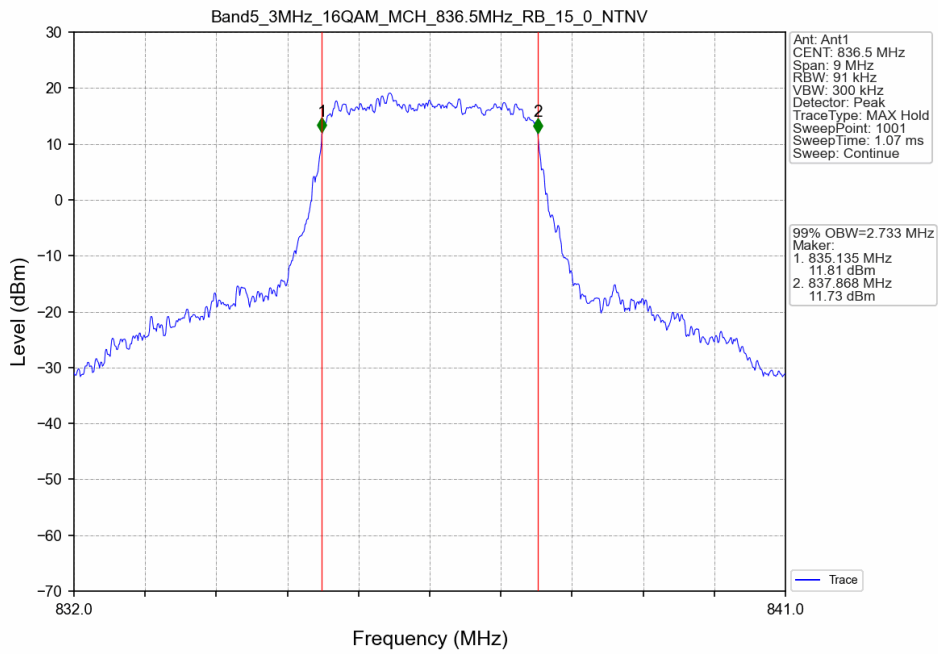
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



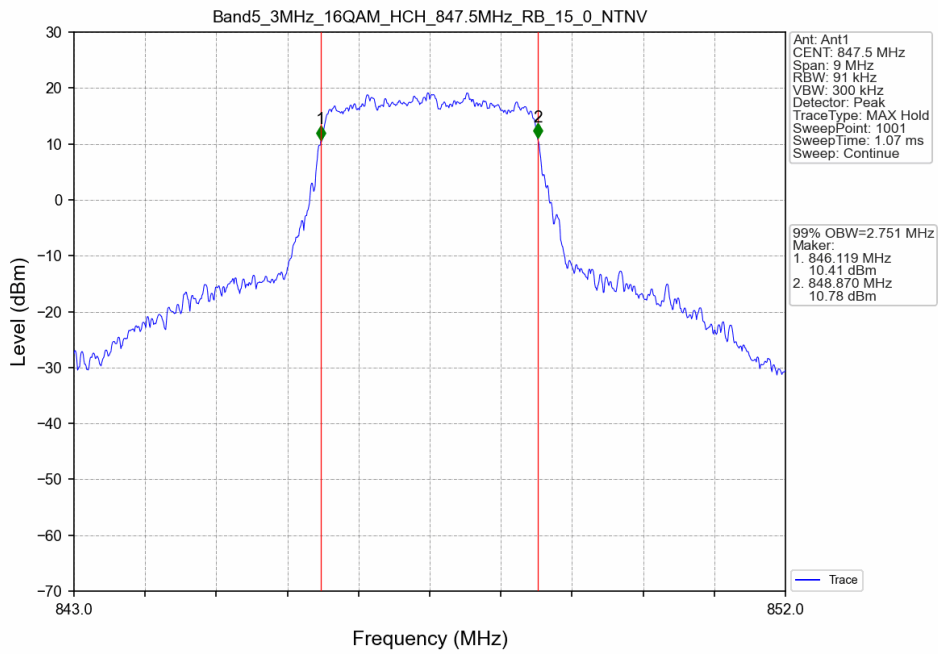
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



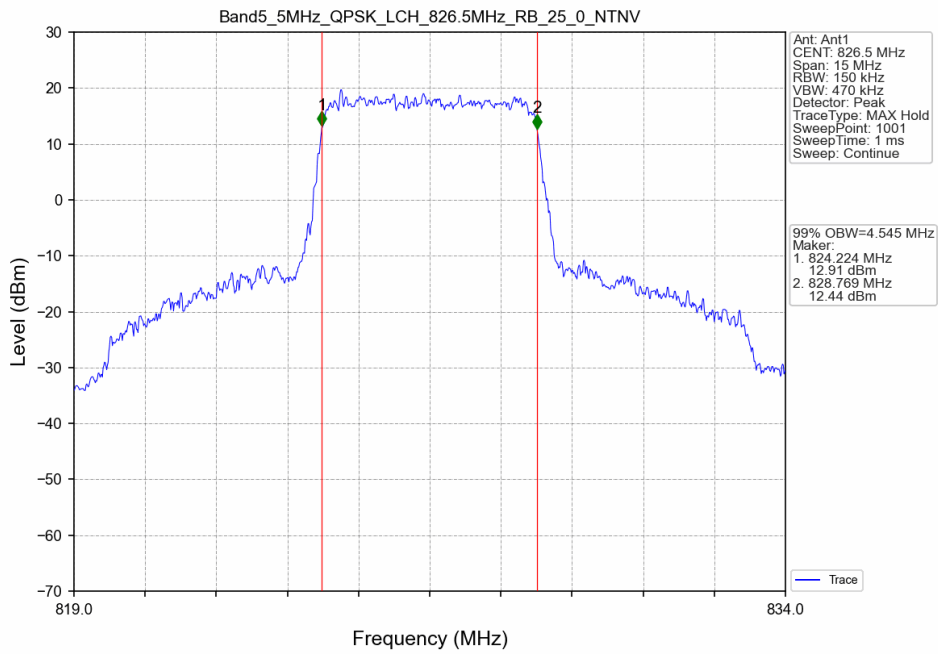
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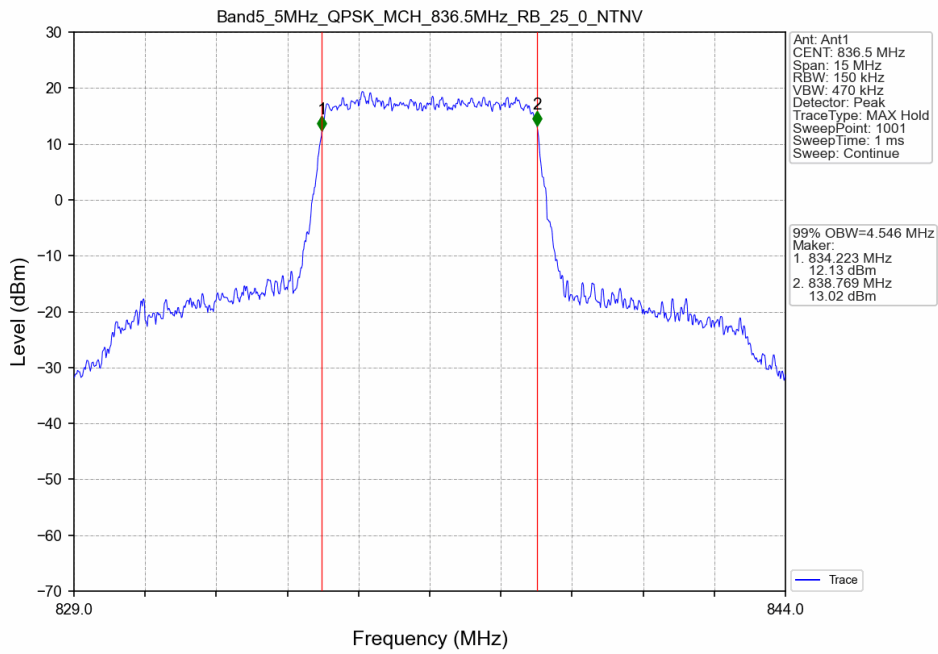
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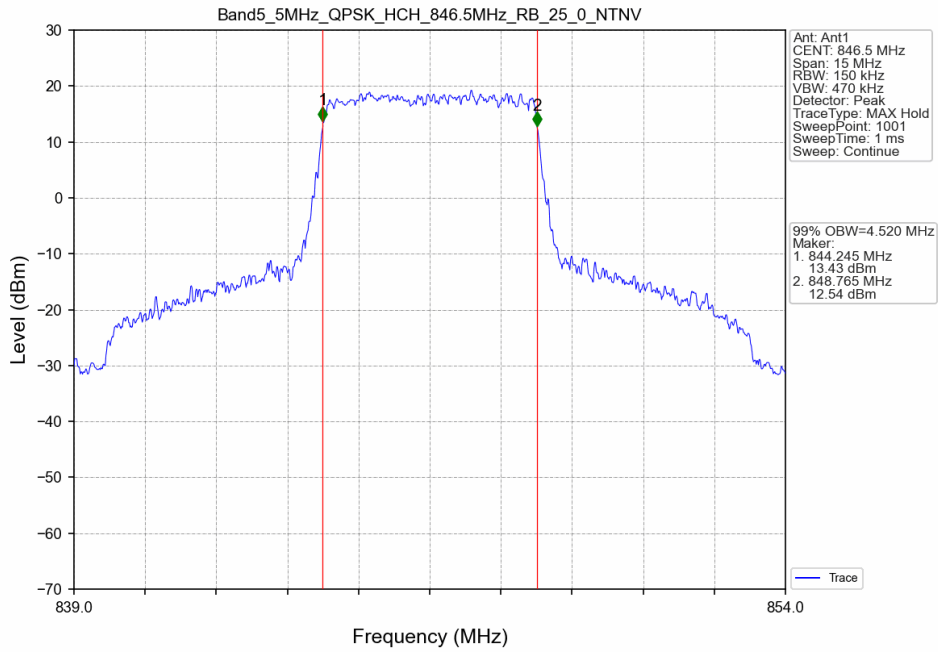
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



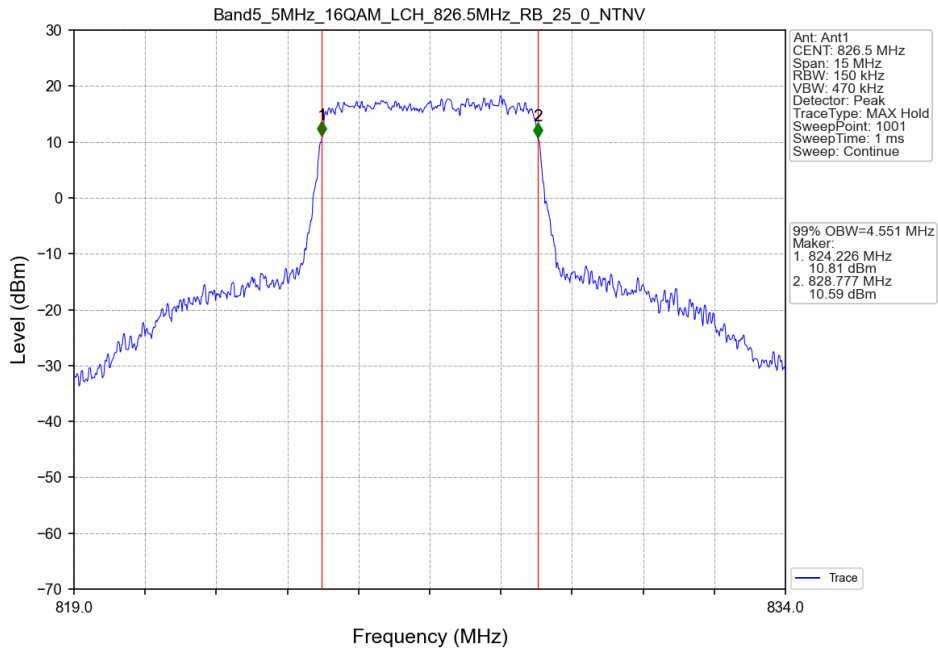
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



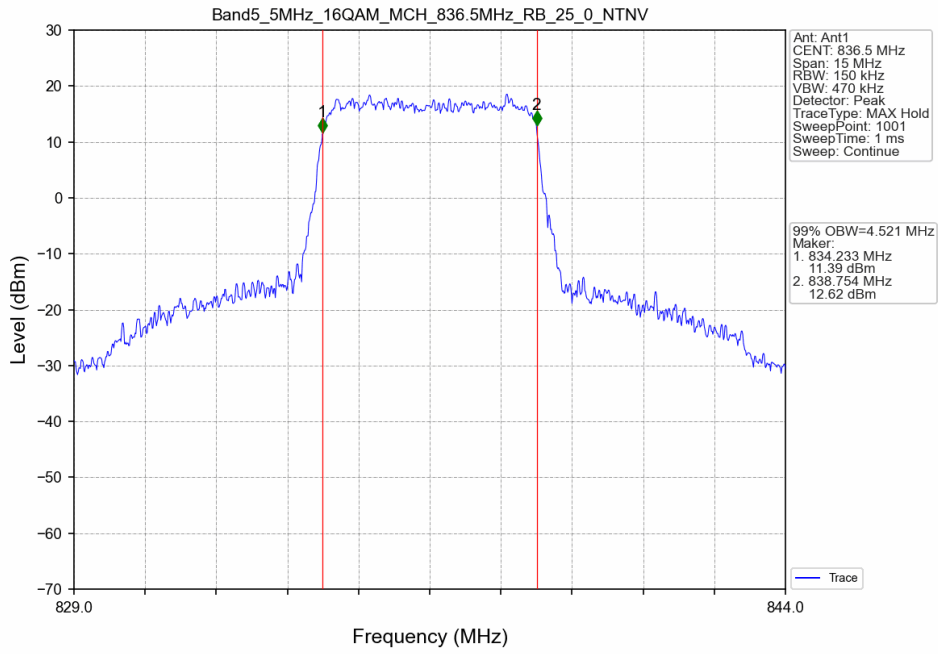
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



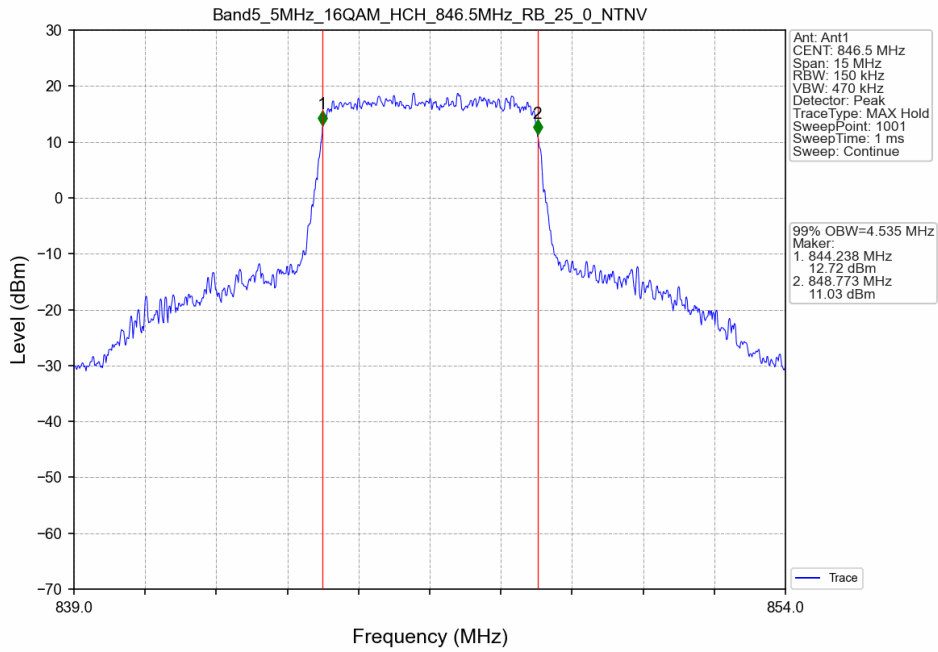
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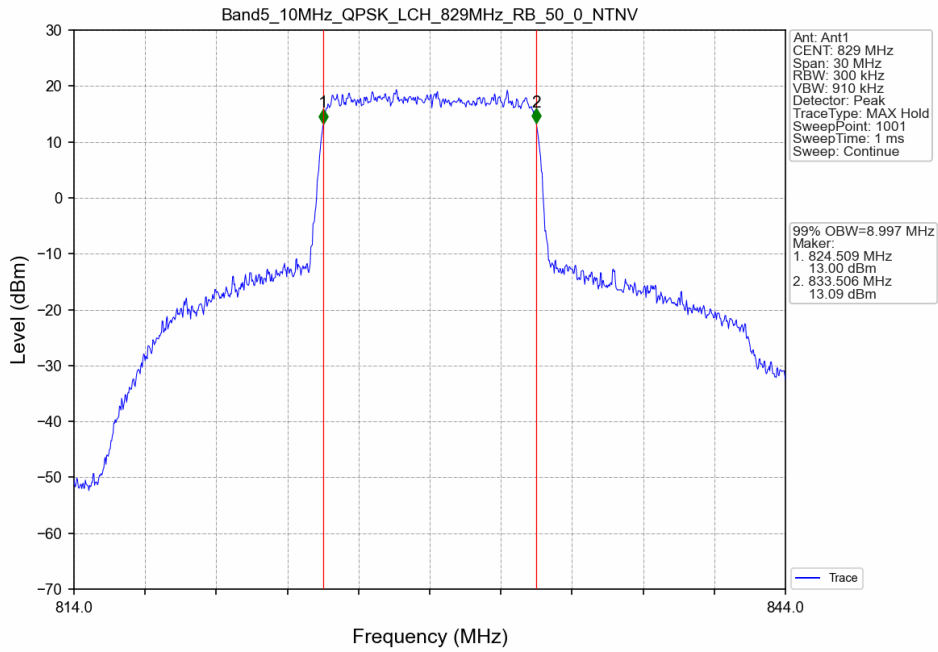
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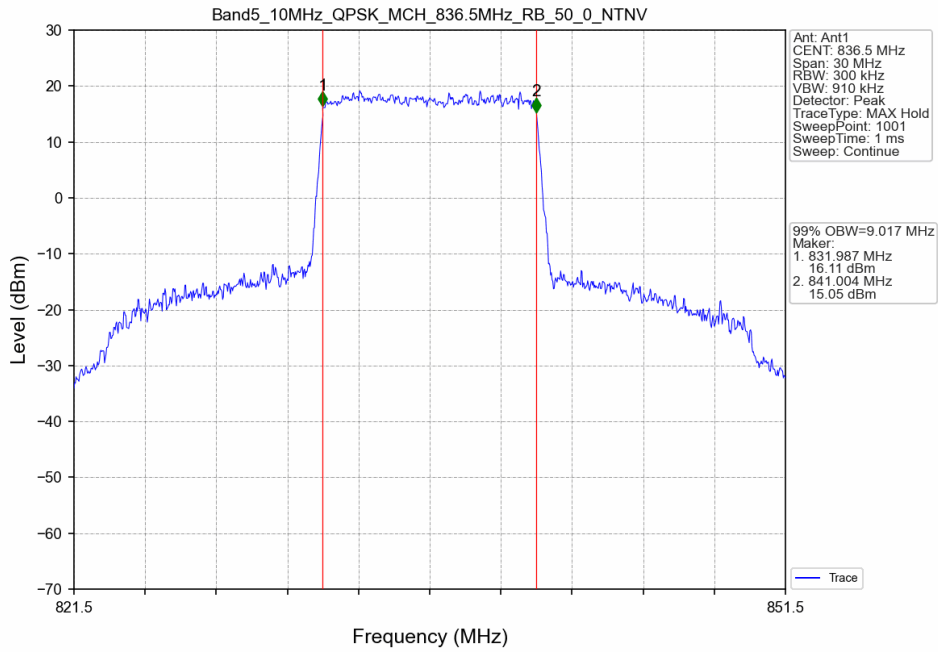
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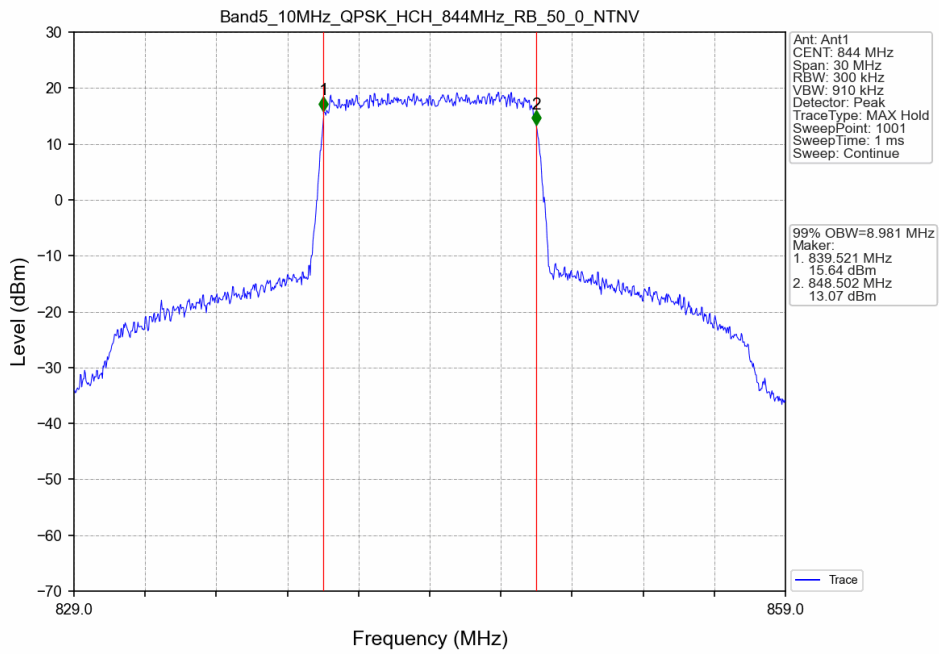
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



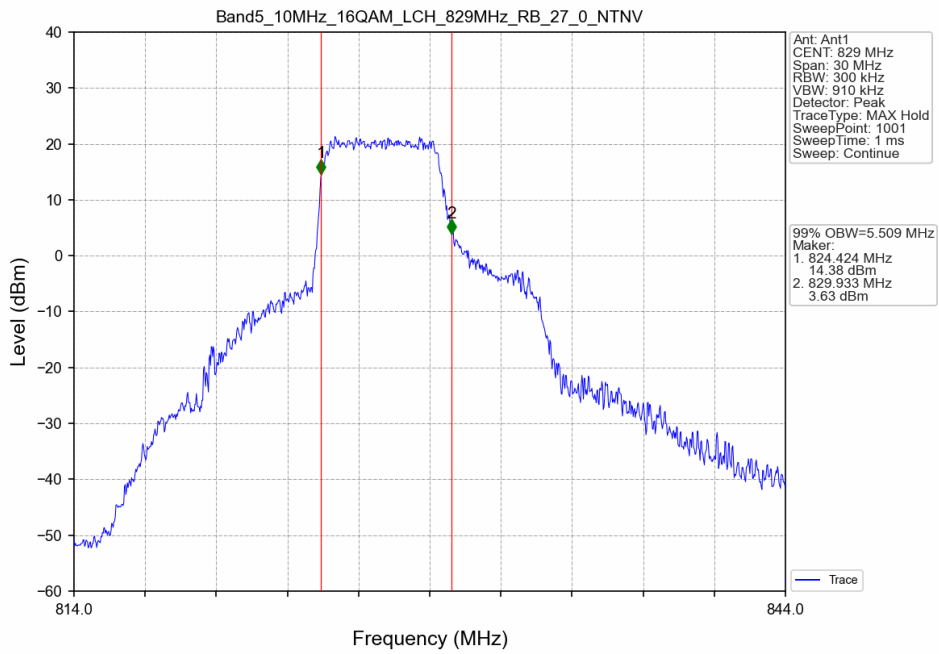
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



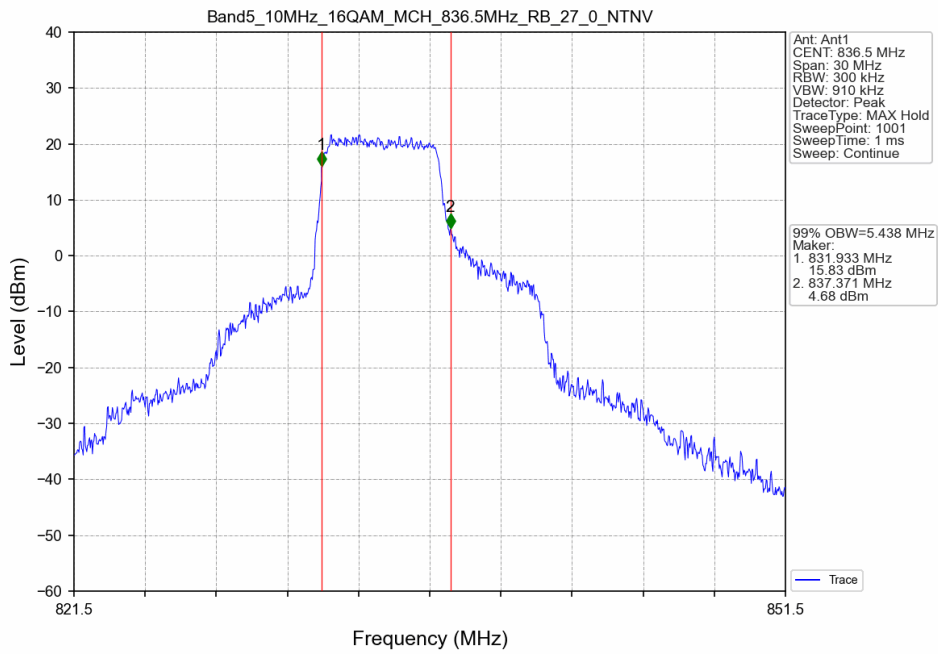
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



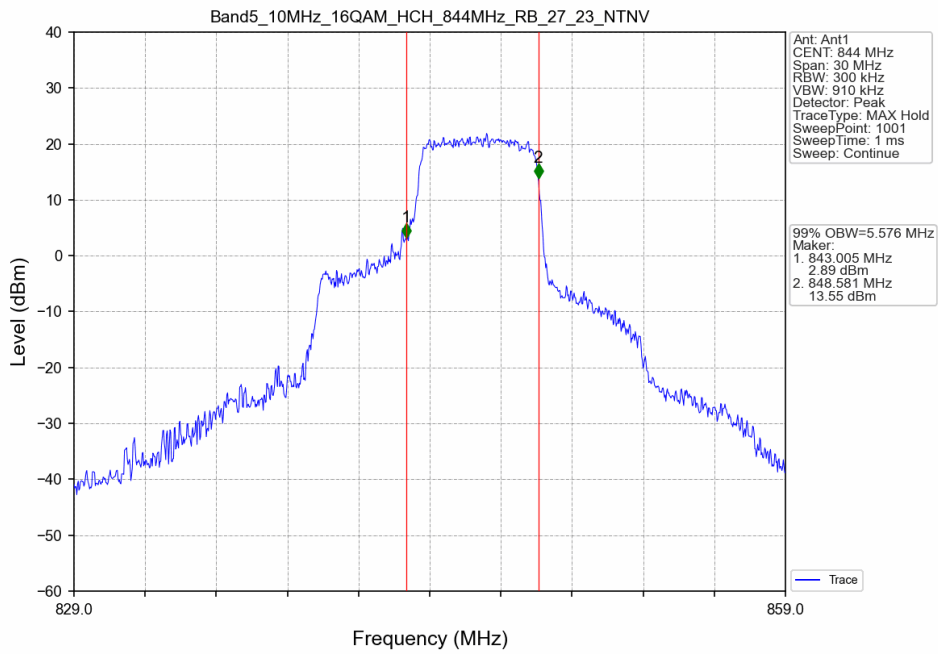
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV

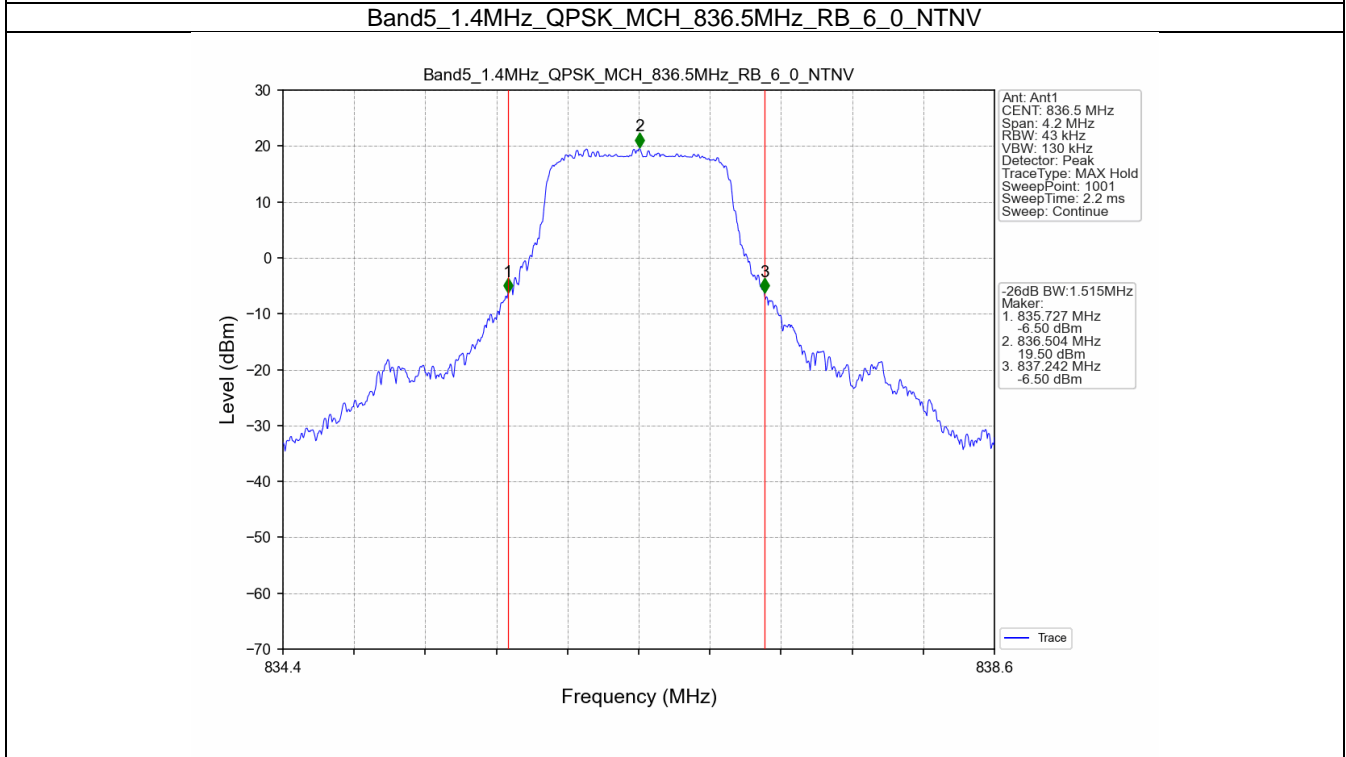
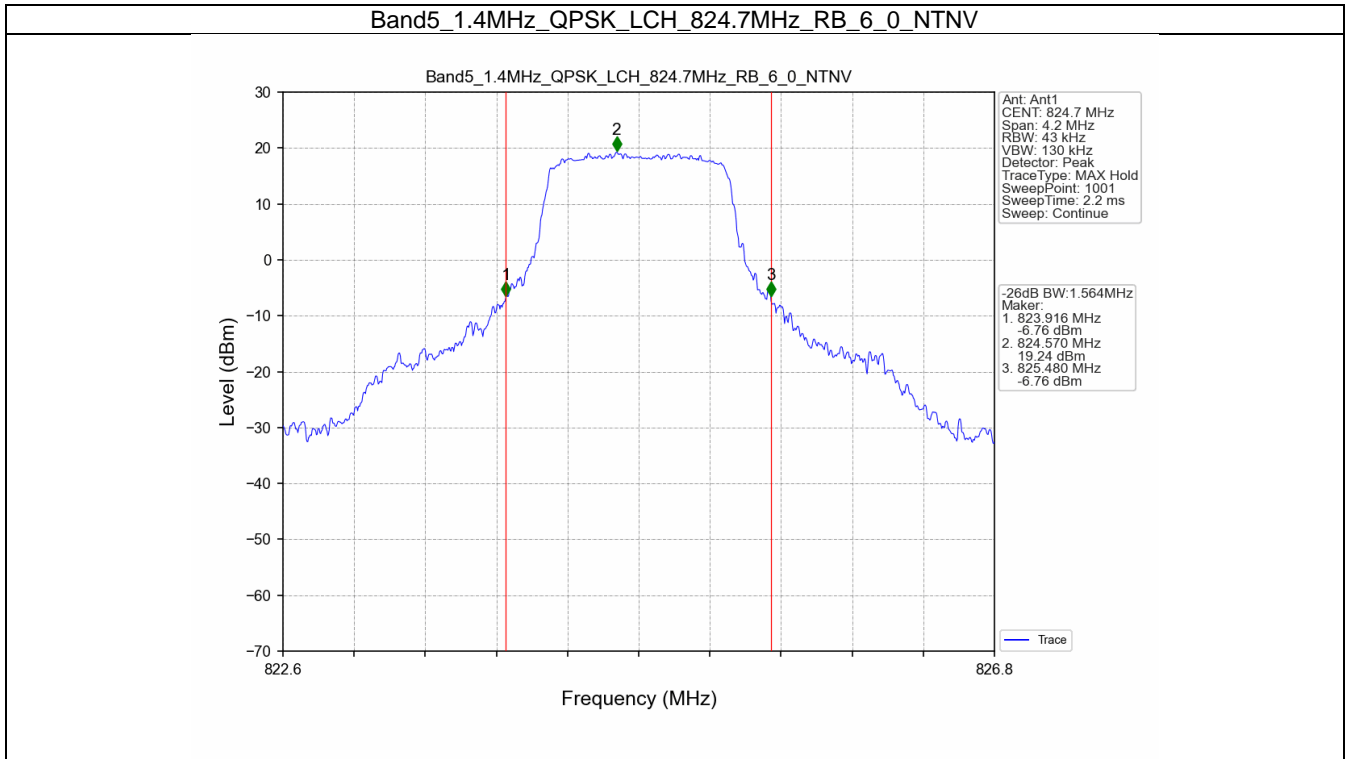


3.2 Band5_XDB

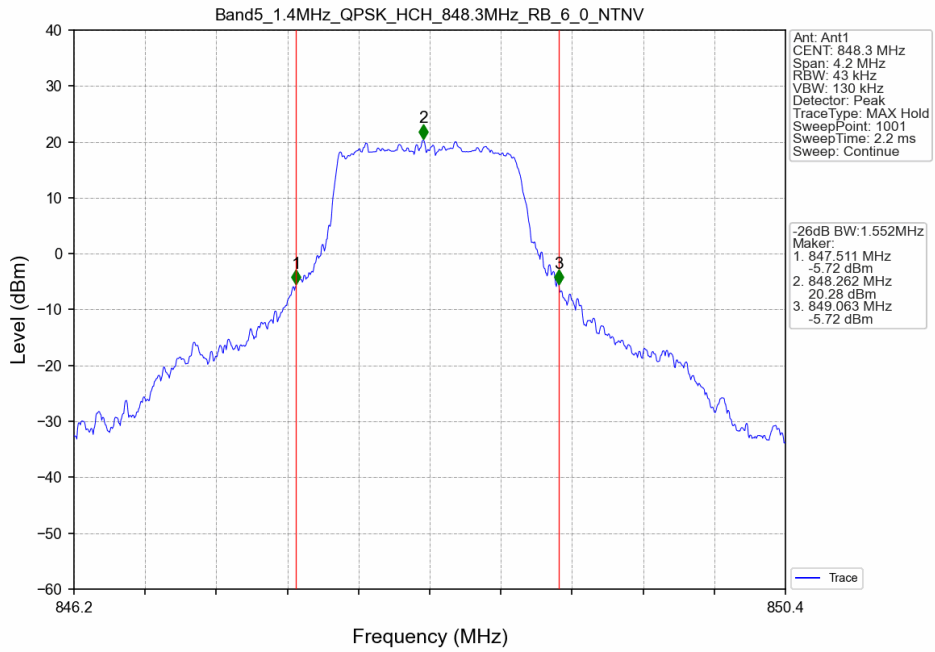
3.2.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.564	/	Pass
		836.5	6	0	1.515	/	Pass
		848.3	6	0	1.552	/	Pass
	16QAM	824.7	6	0	1.532	/	Pass
		836.5	6	0	1.527	/	Pass
		848.3	6	0	1.567	/	Pass
3	QPSK	825.5	15	0	3.321	/	Pass
		836.5	15	0	3.283	/	Pass
		847.5	15	0	3.243	/	Pass
	16QAM	825.5	15	0	3.305	/	Pass
		836.5	15	0	3.308	/	Pass
		847.5	15	0	3.349	/	Pass
5	QPSK	826.5	25	0	5.154	/	Pass
		836.5	25	0	5.193	/	Pass
		846.5	25	0	5.199	/	Pass
	16QAM	826.5	25	0	5.202	/	Pass
		836.5	25	0	5.229	/	Pass
		846.5	25	0	5.149	/	Pass
10	QPSK	829	50	0	9.848	/	Pass
		836.5	50	0	9.867	/	Pass
		844	50	0	9.859	/	Pass
	16QAM	829	27	0	9.435	/	Pass
		836.5	27	0	8.574	/	Pass
		844	27	23	9.554	/	Pass

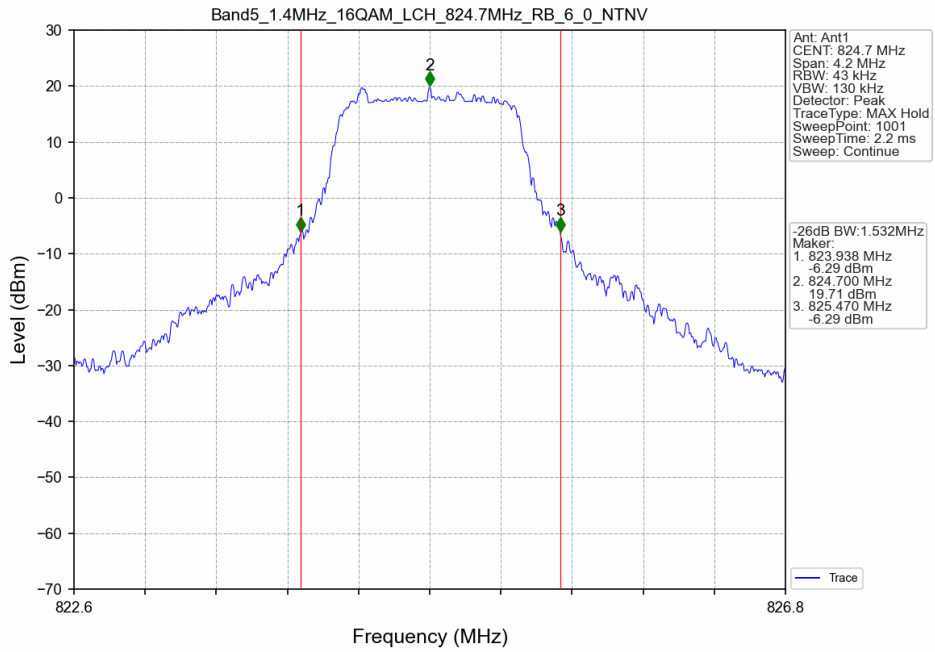
3.2.2 Test Graph



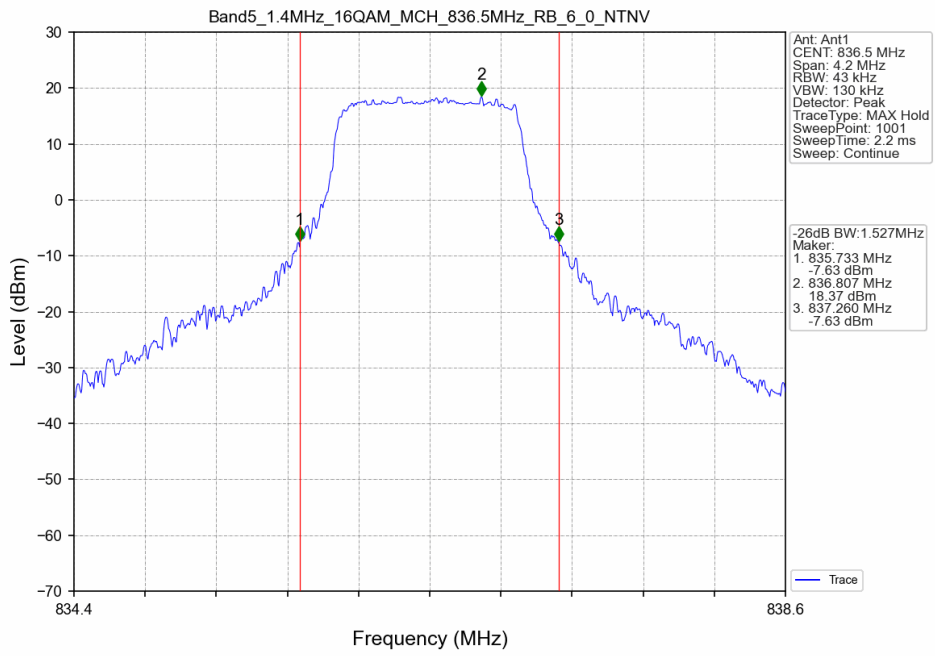
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



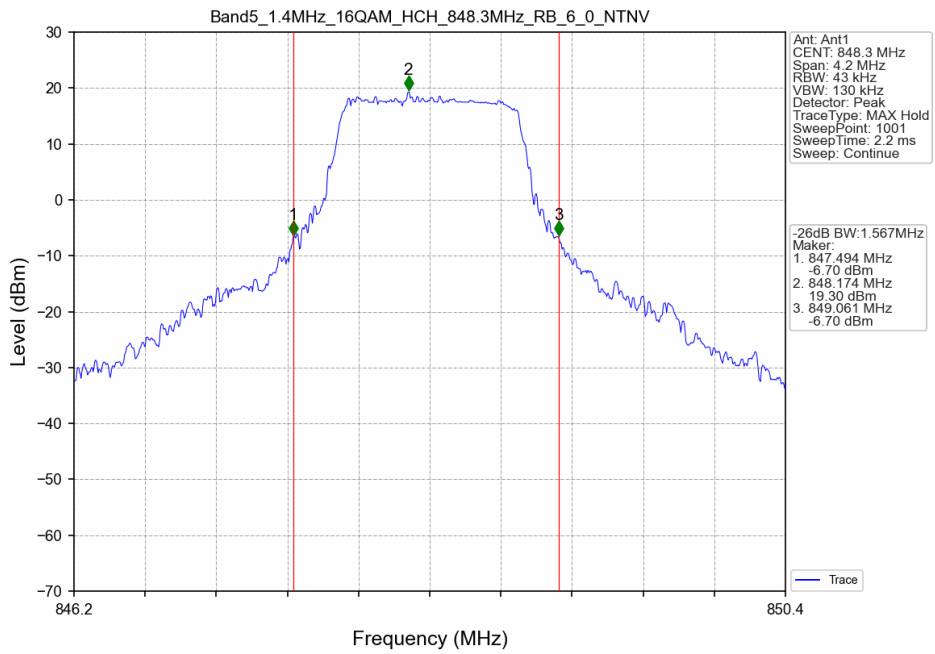
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



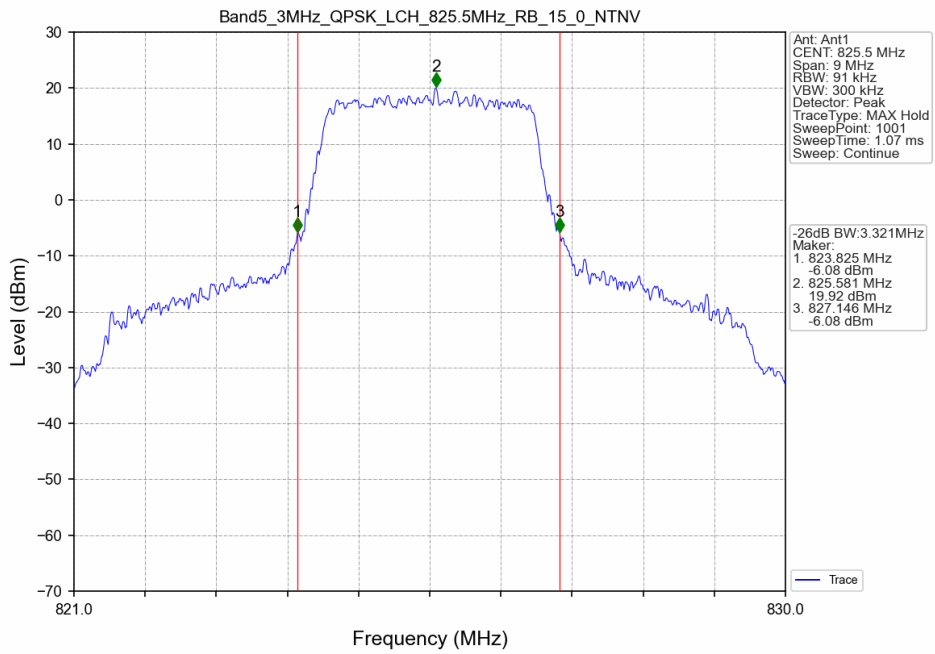
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



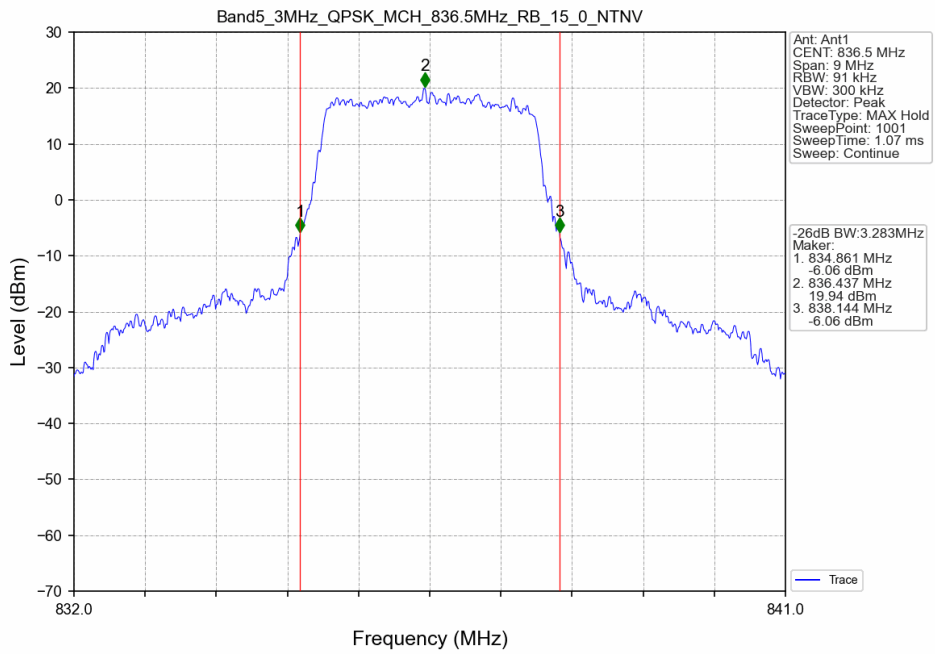
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



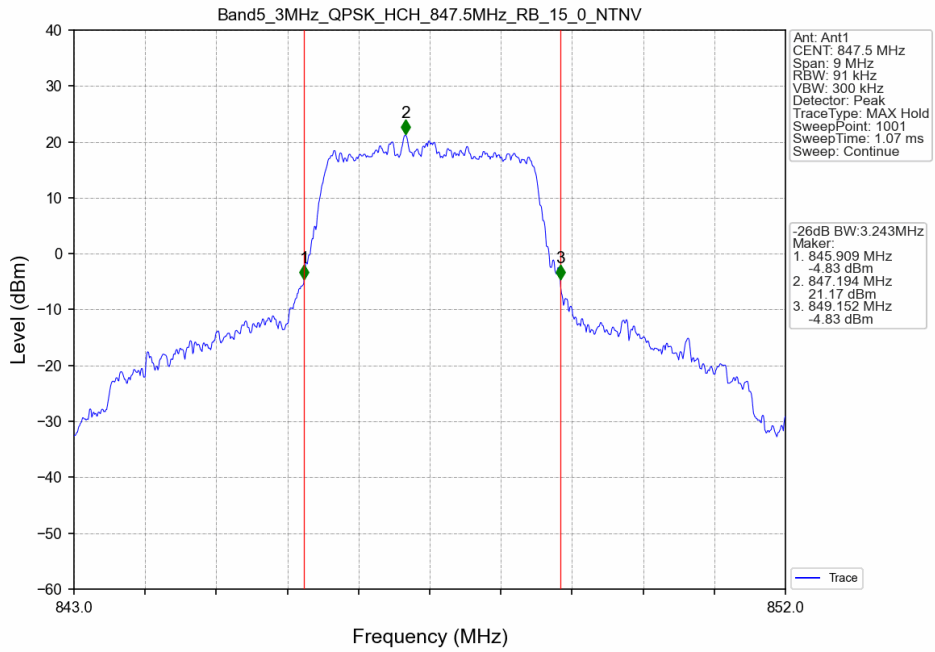
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



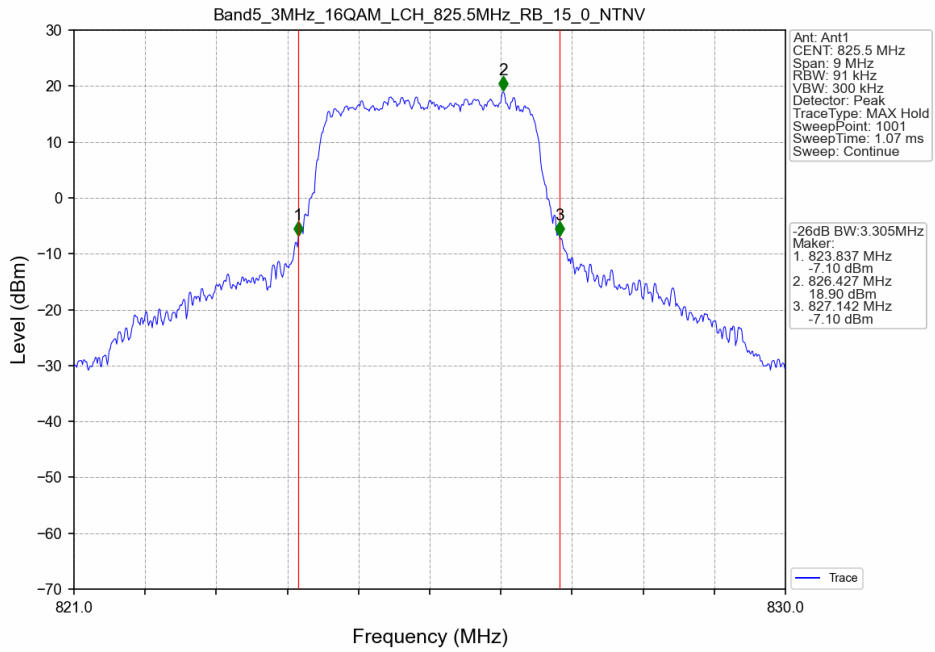
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



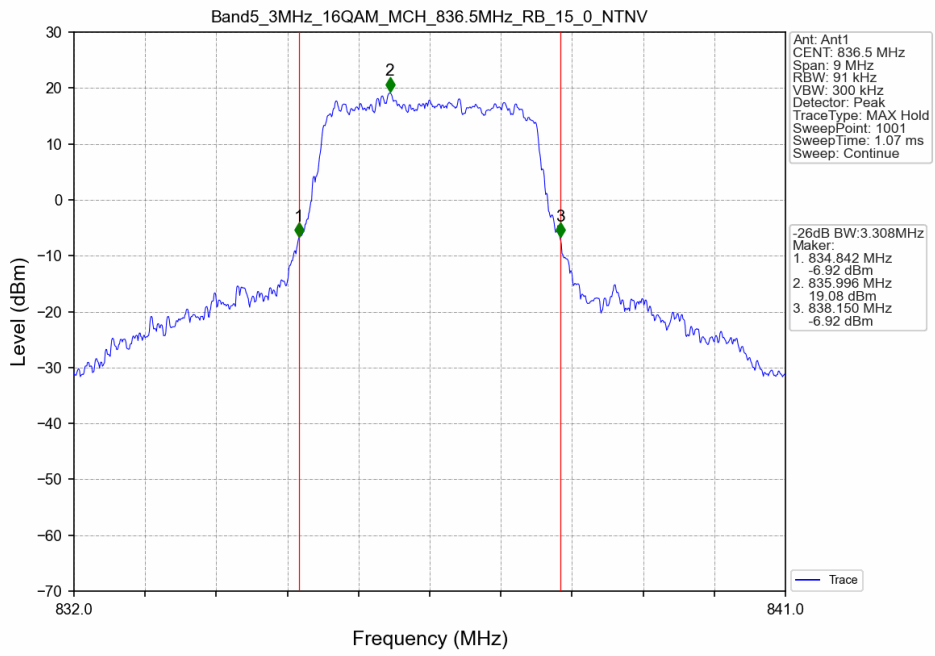
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



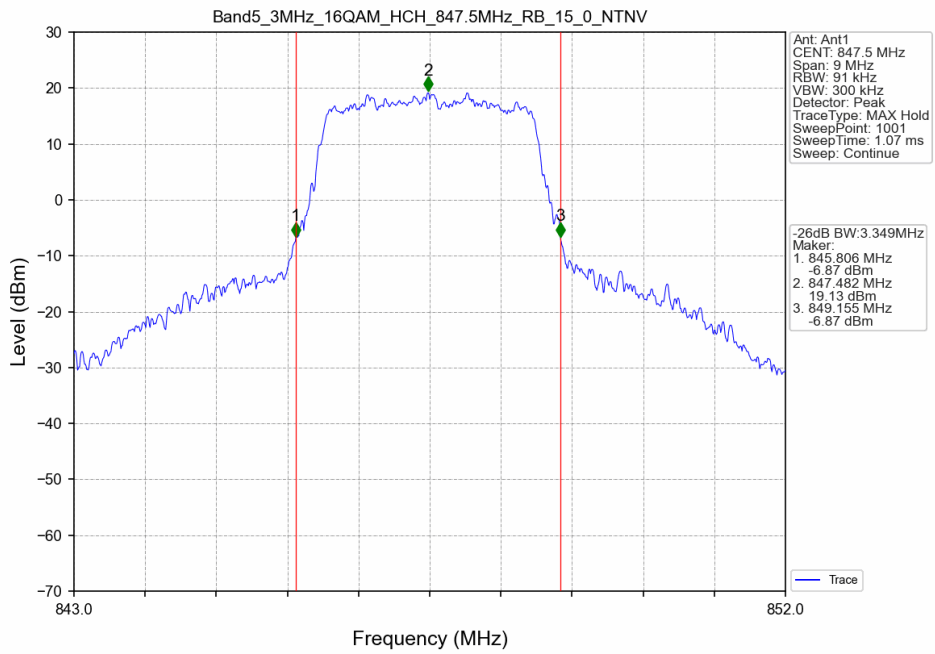
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



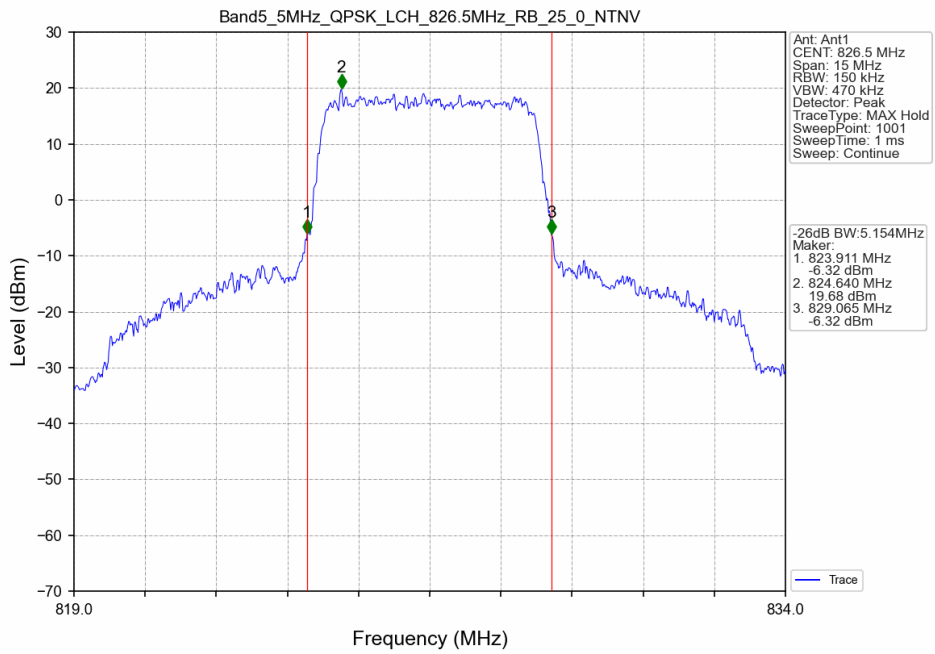
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



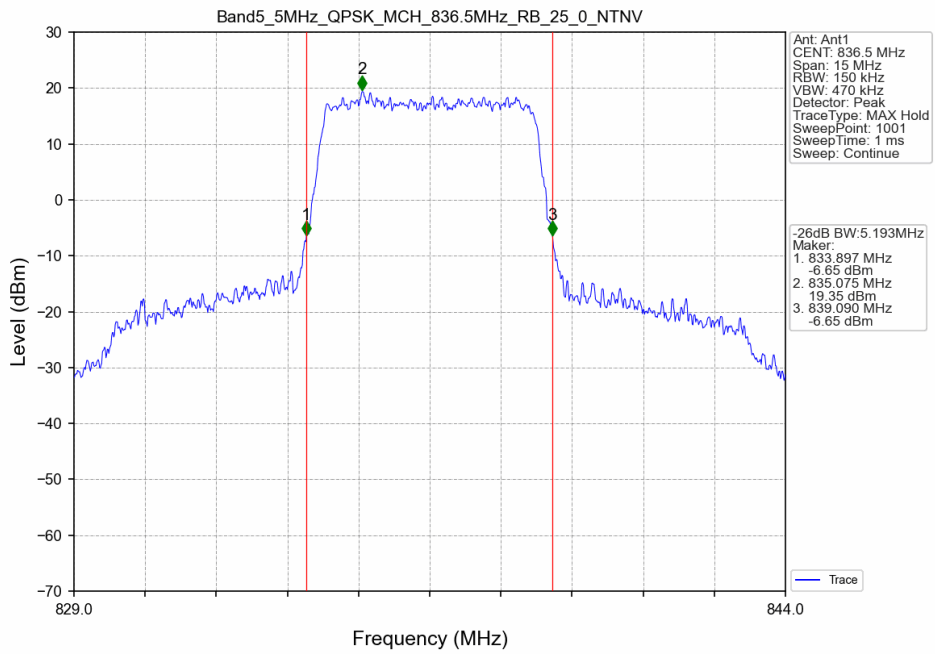
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



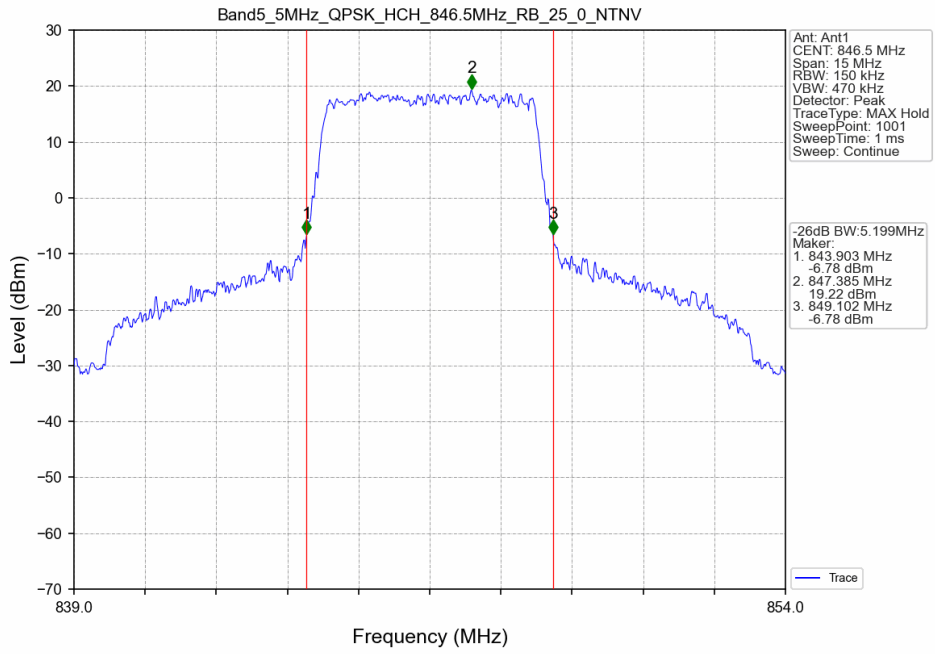
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



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

