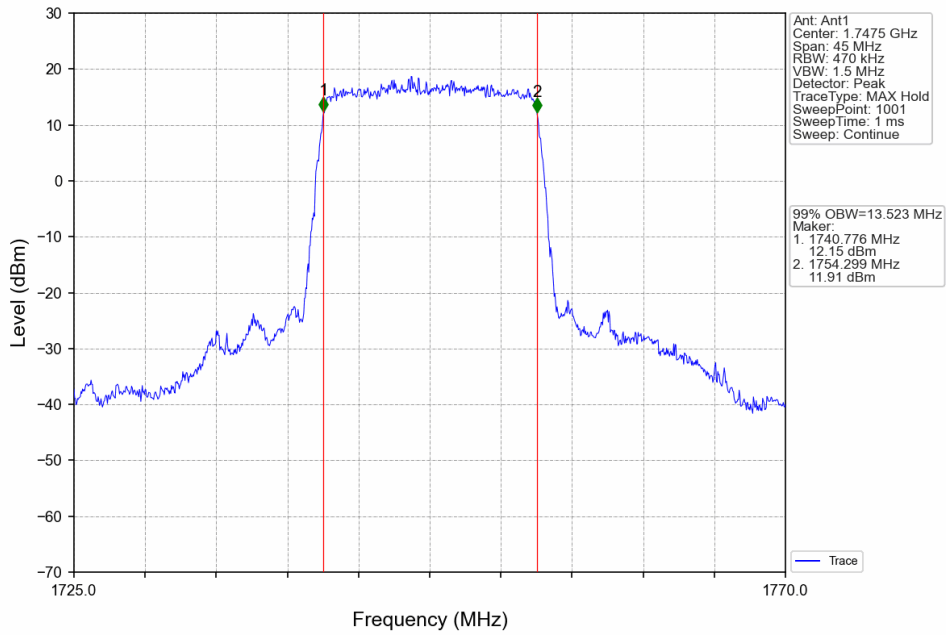
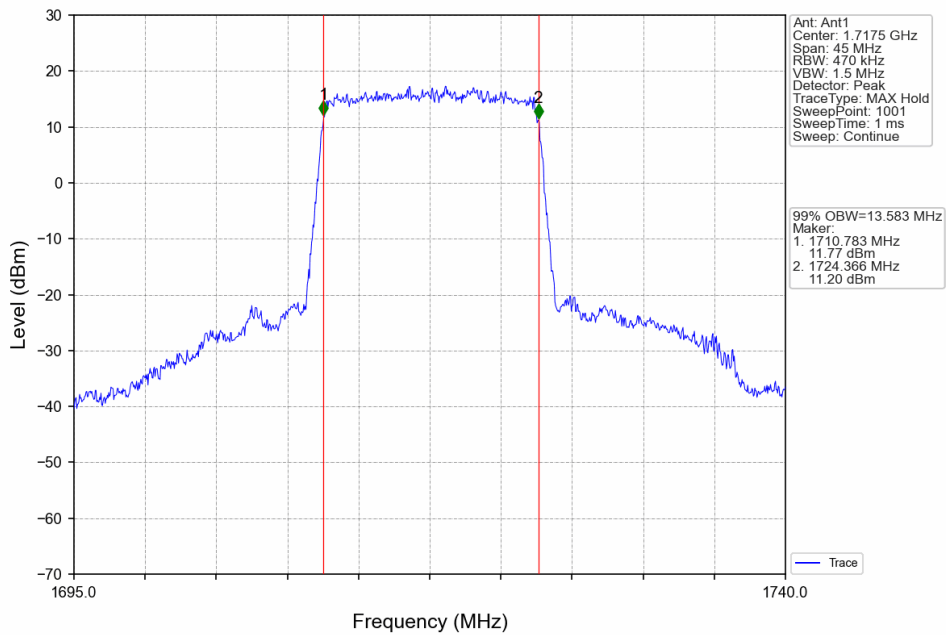


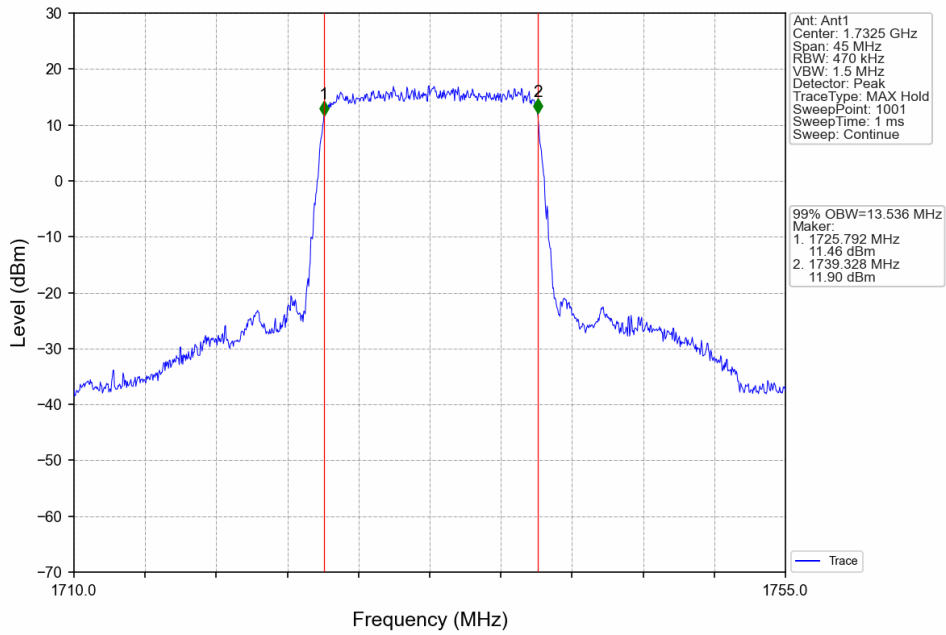
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



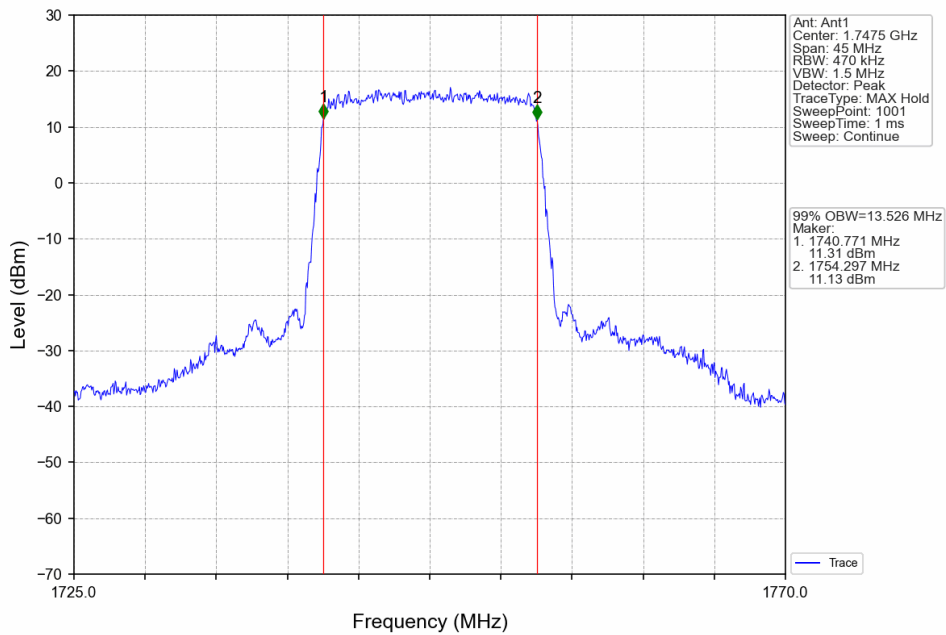
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



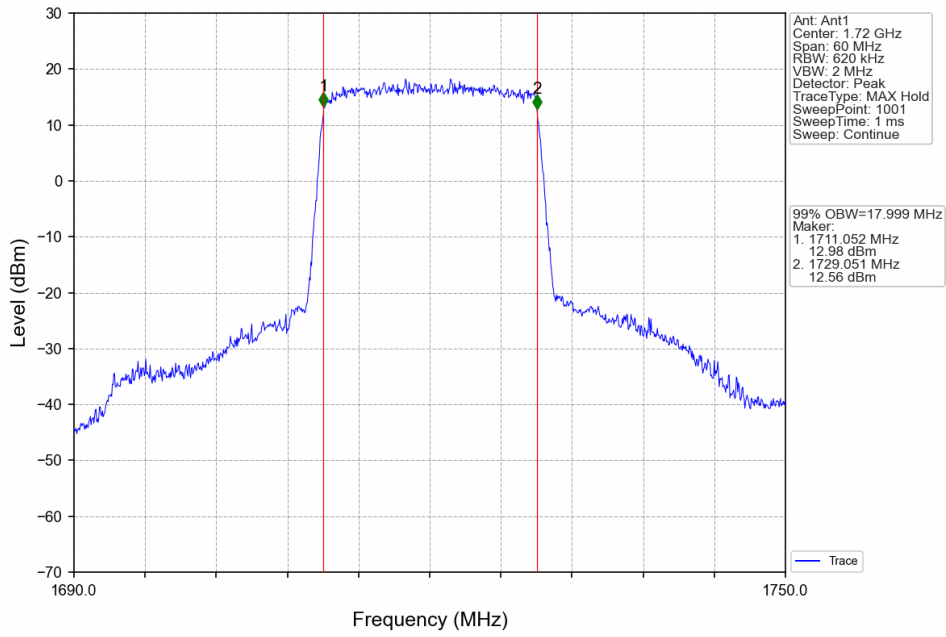
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



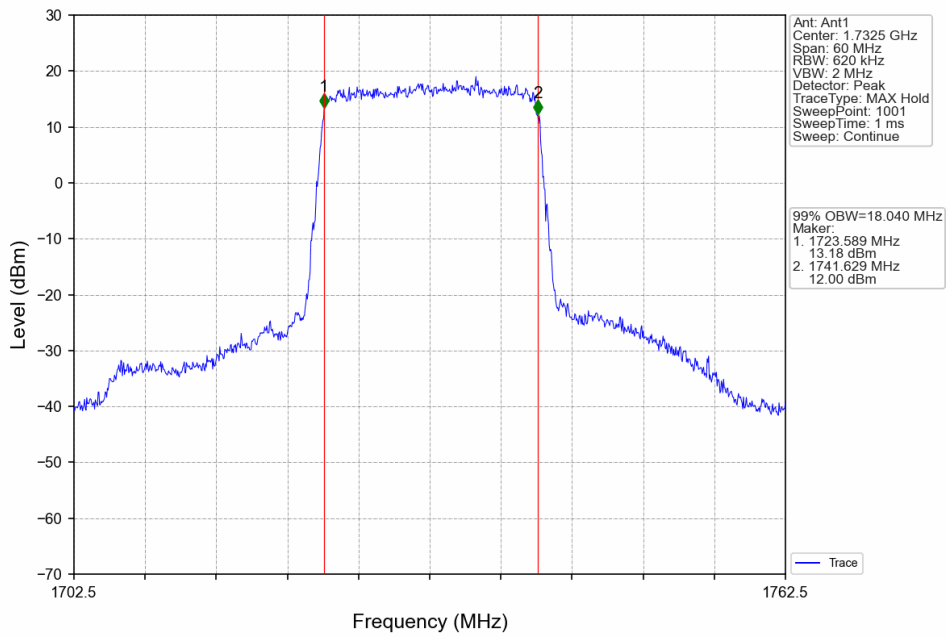
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



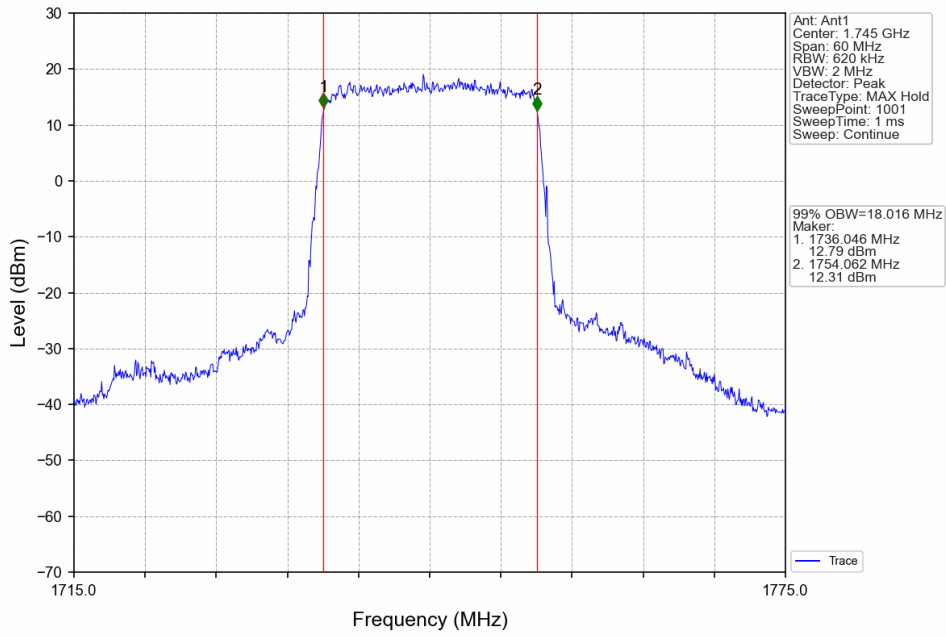
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



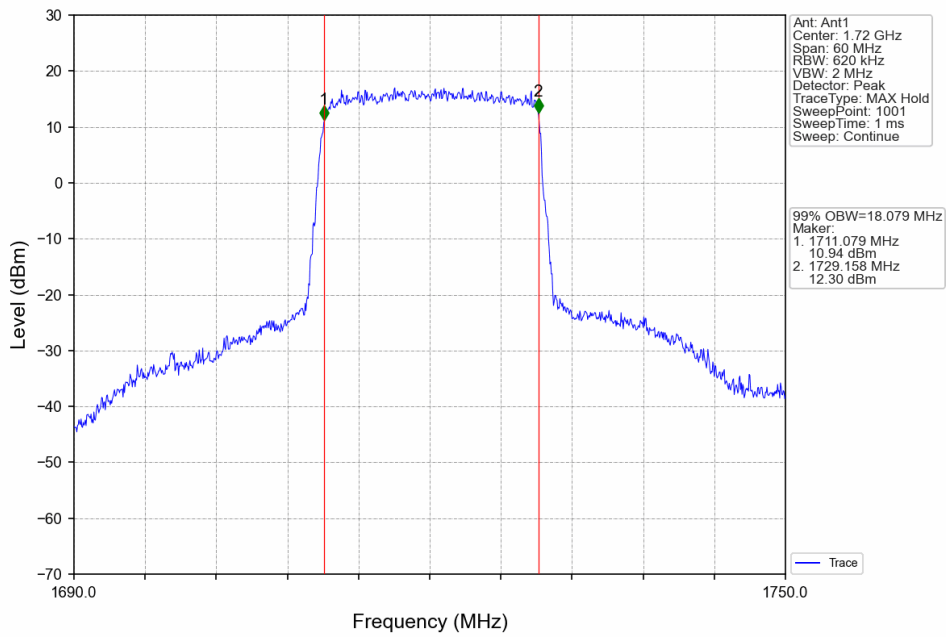
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



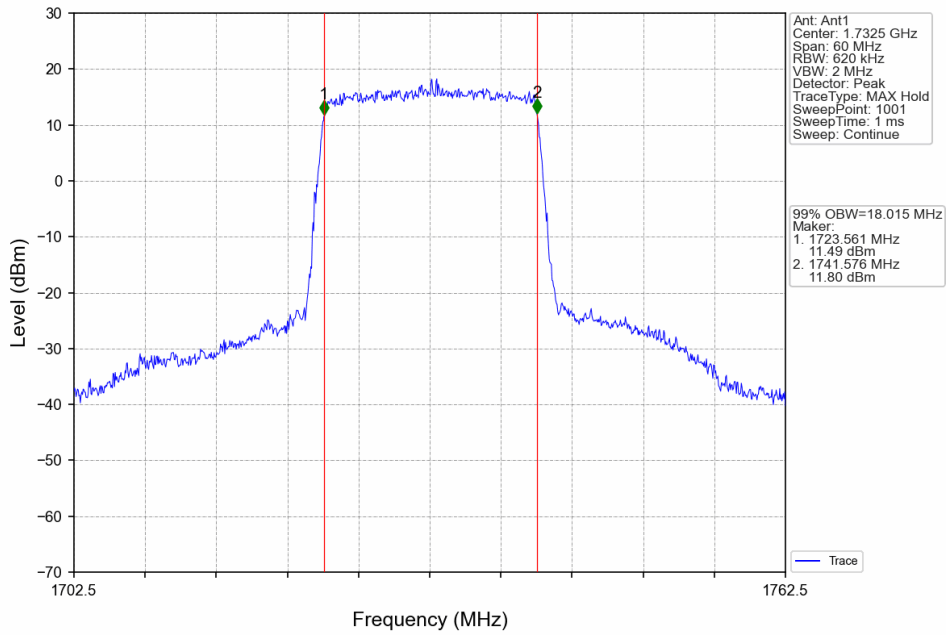
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



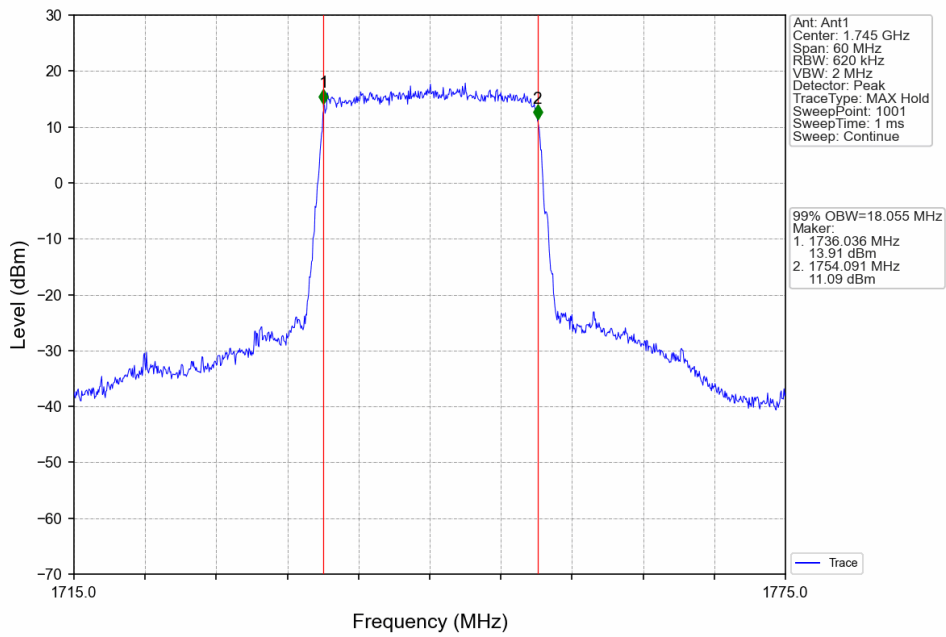
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

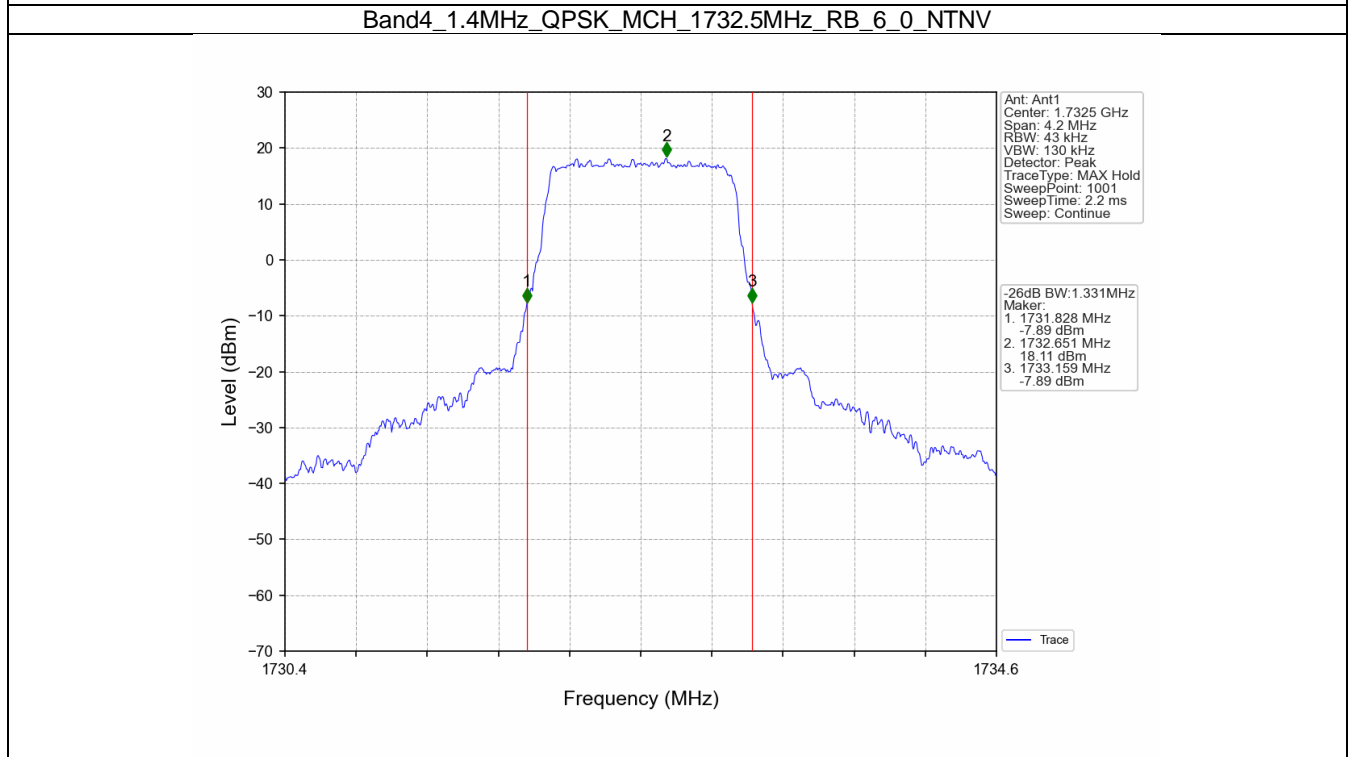
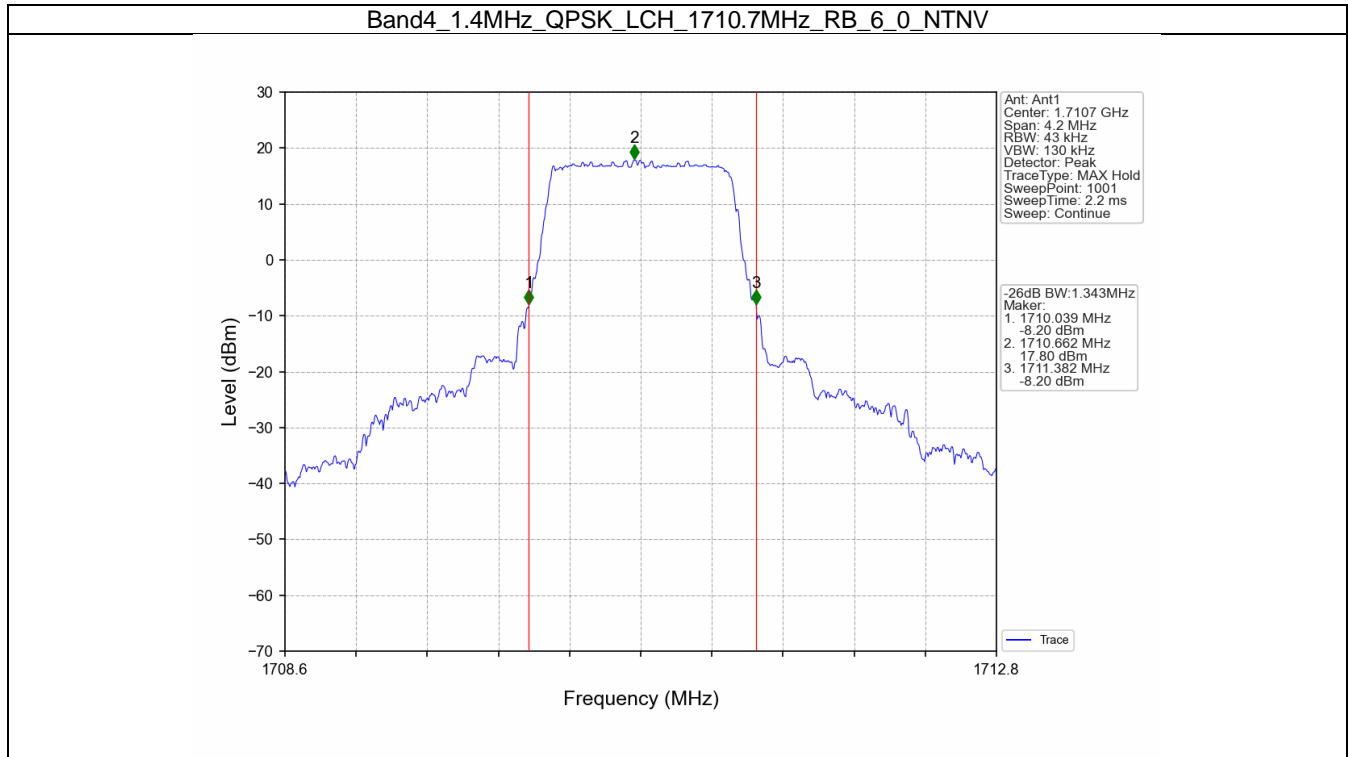


2.2 Band4_XDB

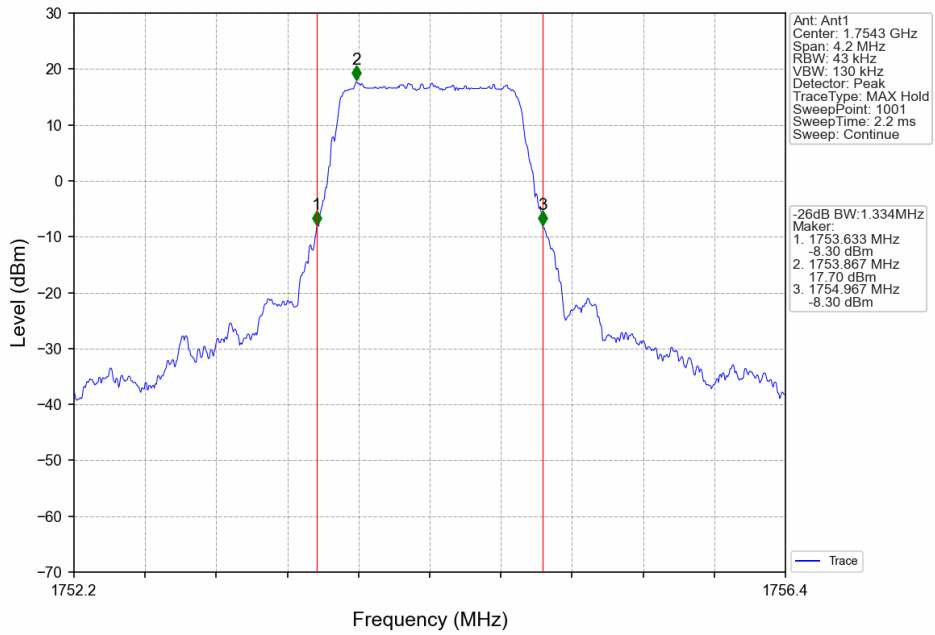
2.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.343	Pass
		1732.5	6	0	1.331	Pass
		1754.3	6	0	1.334	Pass
	16QAM	1710.7	6	0	1.323	Pass
		1732.5	6	0	1.330	Pass
		1754.3	6	0	1.312	Pass
3	QPSK	1711.5	15	0	3.040	Pass
		1732.5	15	0	3.060	Pass
		1753.5	15	0	3.051	Pass
	16QAM	1711.5	15	0	3.048	Pass
		1732.5	15	0	3.071	Pass
		1753.5	15	0	3.039	Pass
5	QPSK	1712.5	25	0	5.042	Pass
		1732.5	25	0	5.123	Pass
		1752.5	25	0	5.065	Pass
	16QAM	1712.5	25	0	5.095	Pass
		1732.5	25	0	5.110	Pass
		1752.5	25	0	5.128	Pass
10	QPSK	1715	50	0	9.978	Pass
		1732.5	50	0	10.025	Pass
		1750	50	0	9.996	Pass
	16QAM	1715	50	0	10.023	Pass
		1732.5	50	0	10.027	Pass
		1750	50	0	9.985	Pass
15	QPSK	1717.5	75	0	14.881	Pass
		1732.5	75	0	14.888	Pass
		1747.5	75	0	14.925	Pass
	16QAM	1717.5	75	0	14.930	Pass
		1732.5	75	0	14.883	Pass
		1747.5	75	0	14.918	Pass
20	QPSK	1720	100	0	19.689	Pass
		1732.5	100	0	19.706	Pass
		1745	100	0	19.767	Pass
	16QAM	1720	100	0	19.870	Pass
		1732.5	100	0	19.789	Pass
		1745	100	0	19.718	Pass

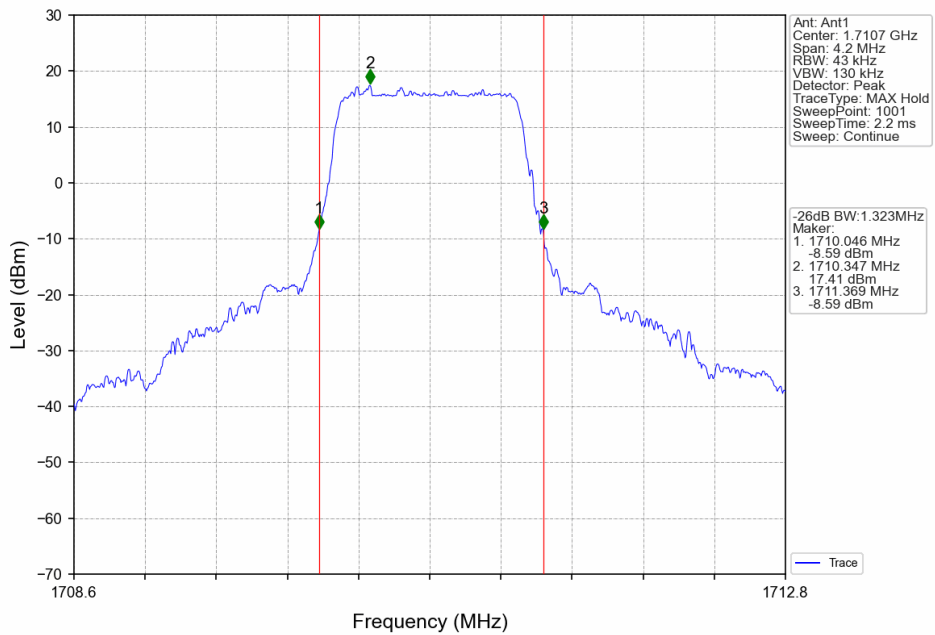
2.2.2 Test Graph



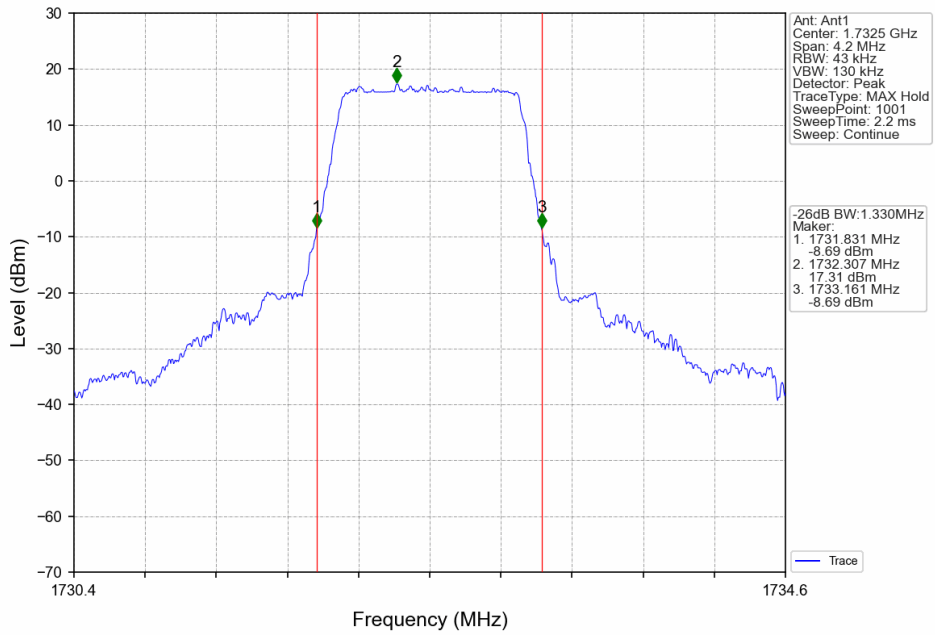
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



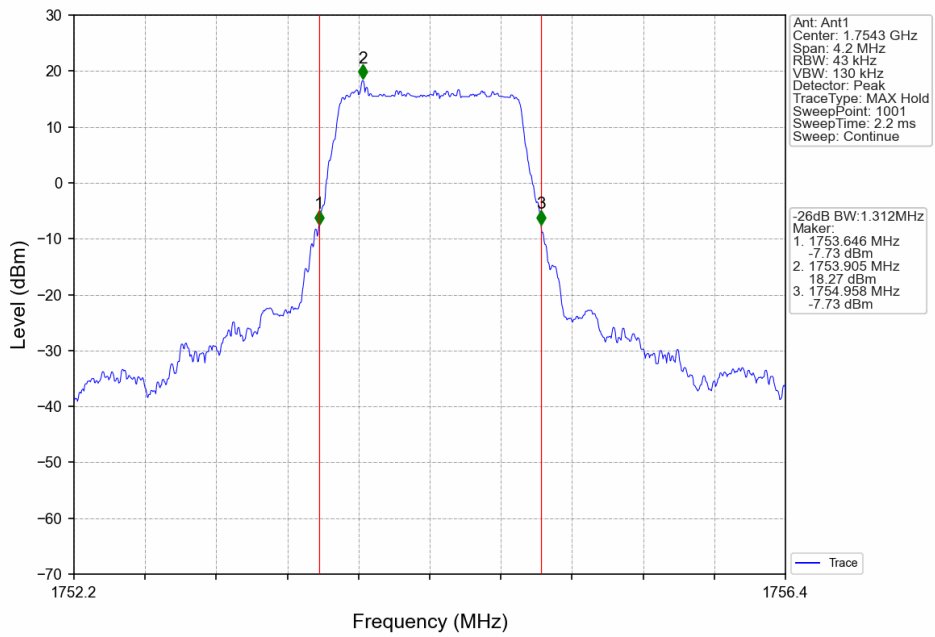
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



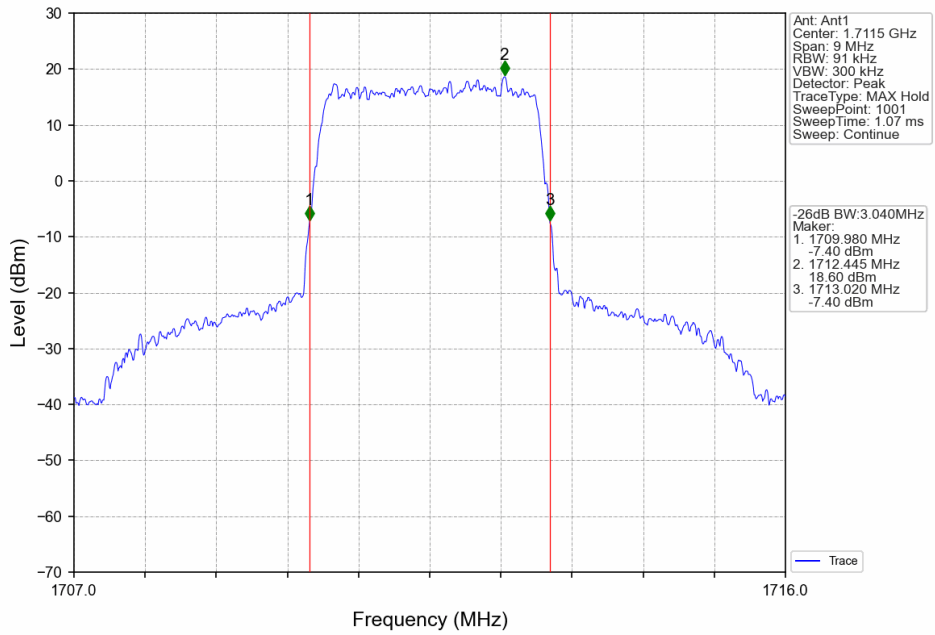
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



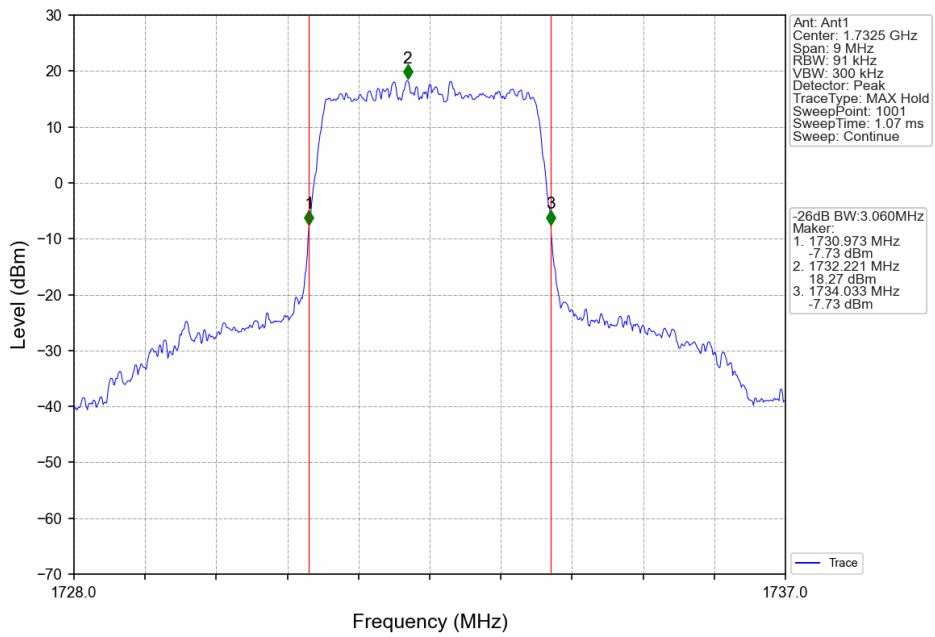
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



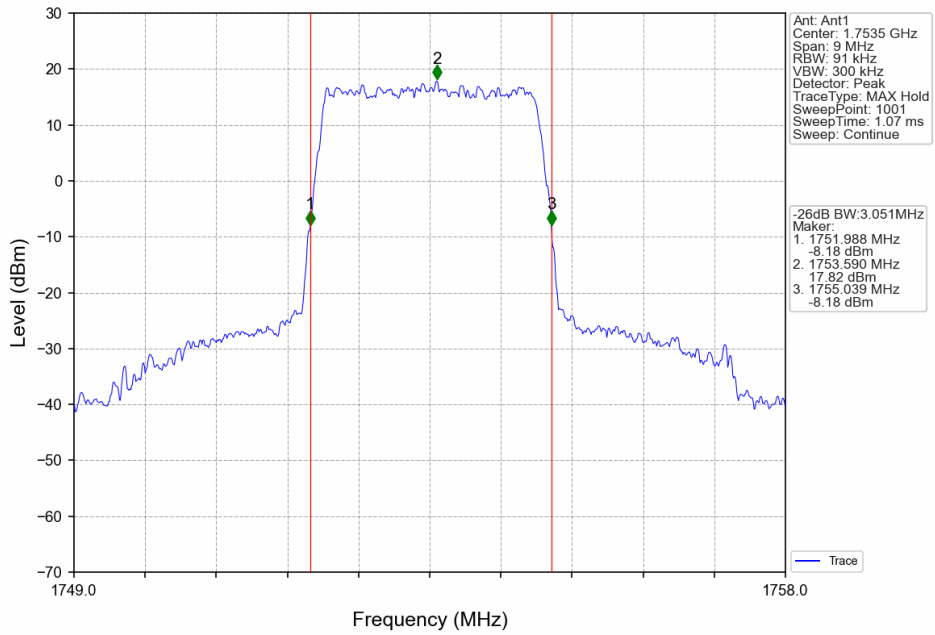
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



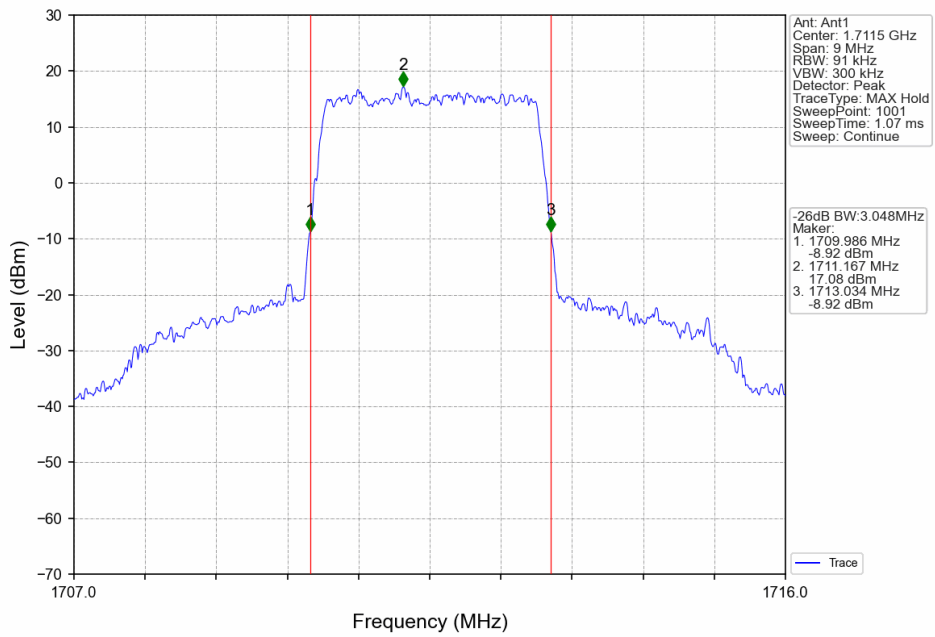
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



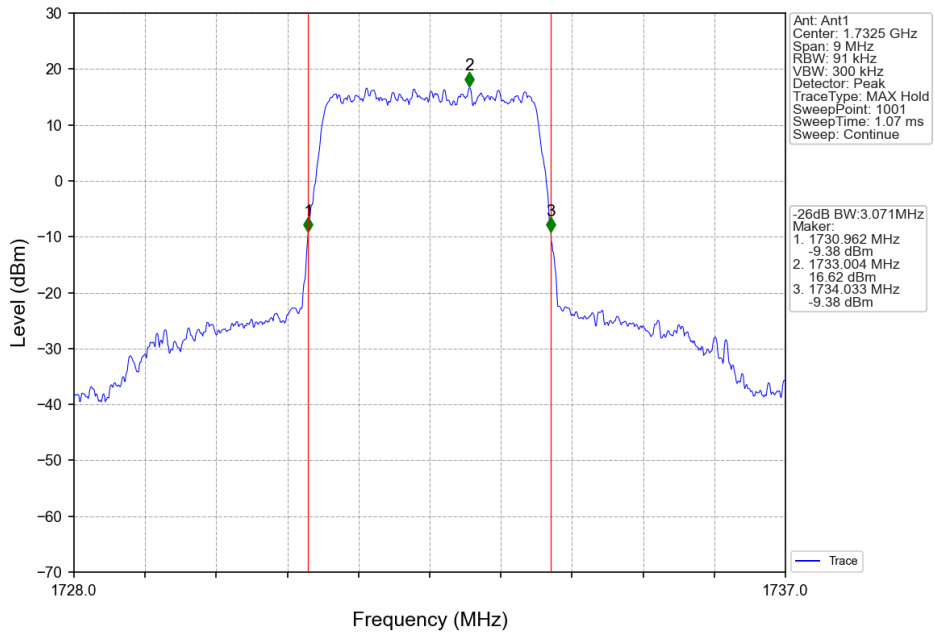
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



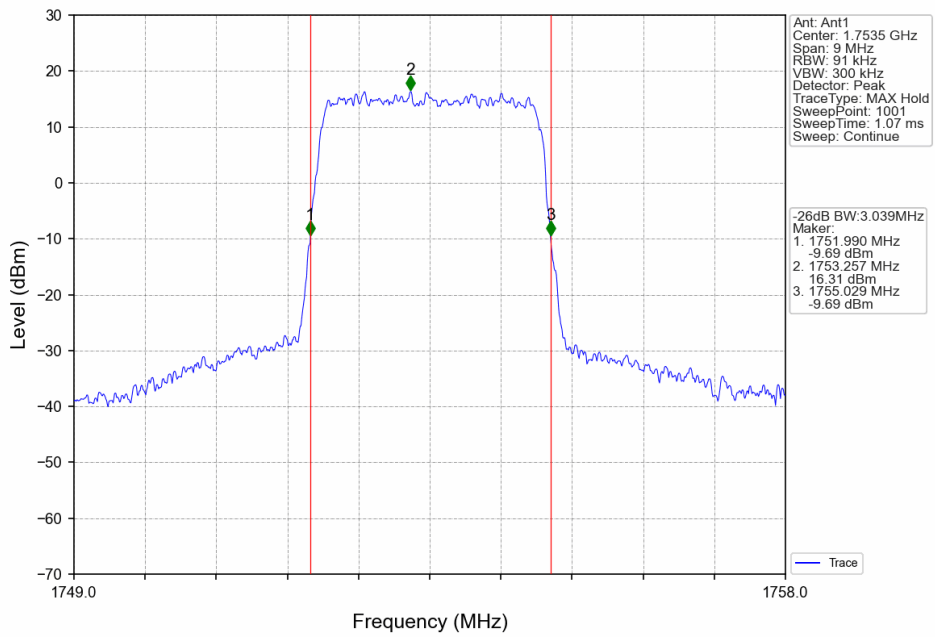
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



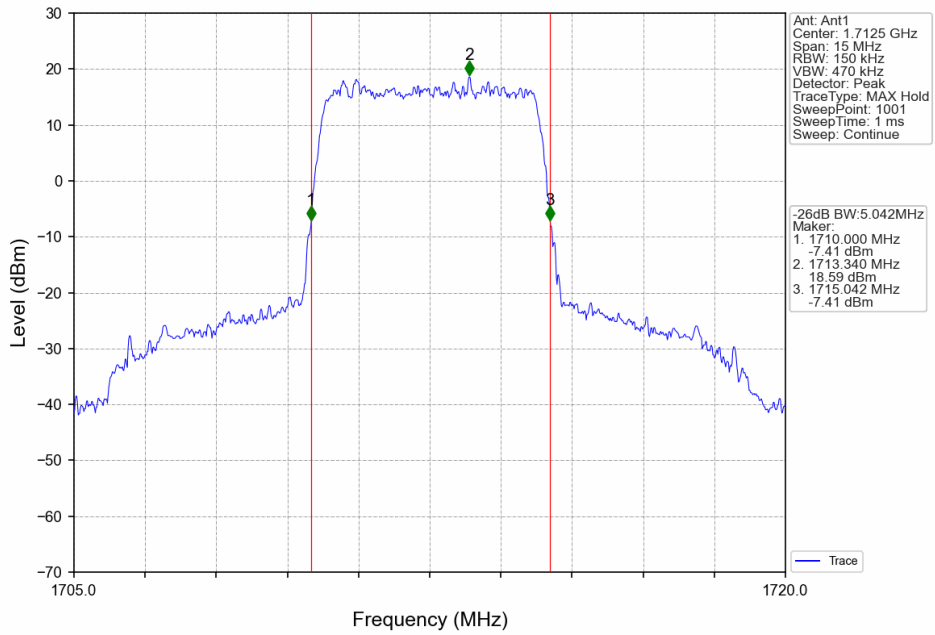
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



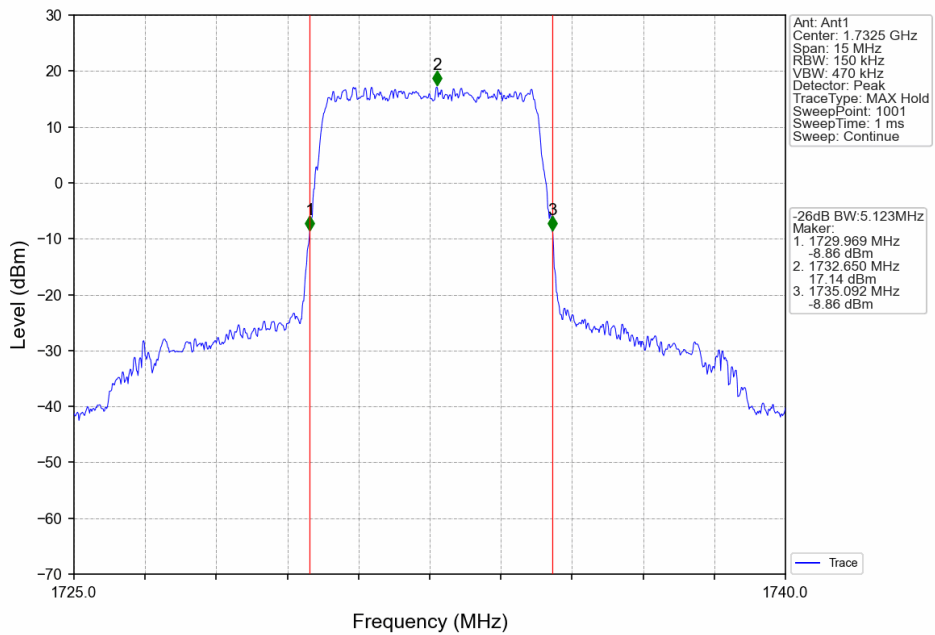
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



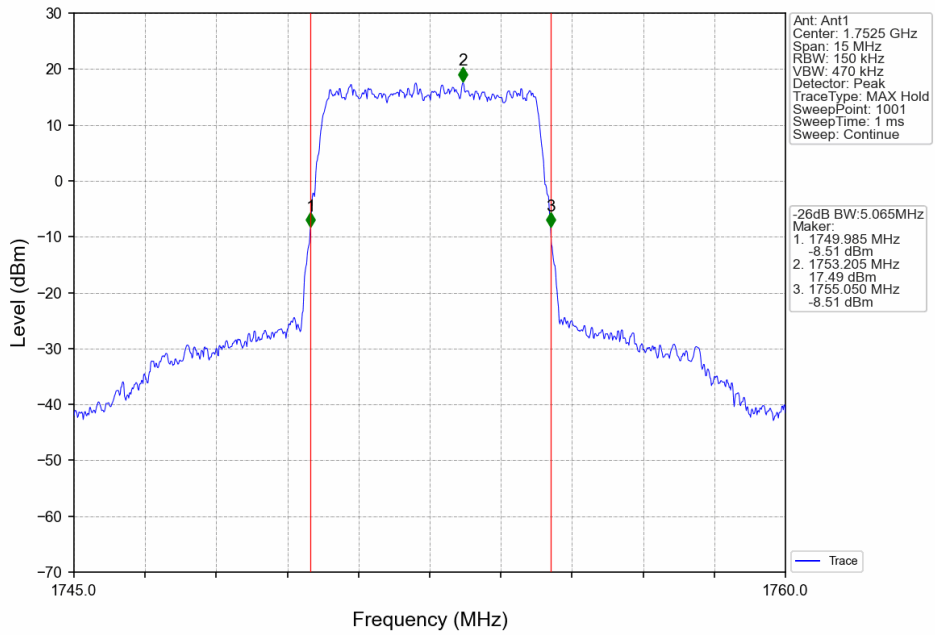
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



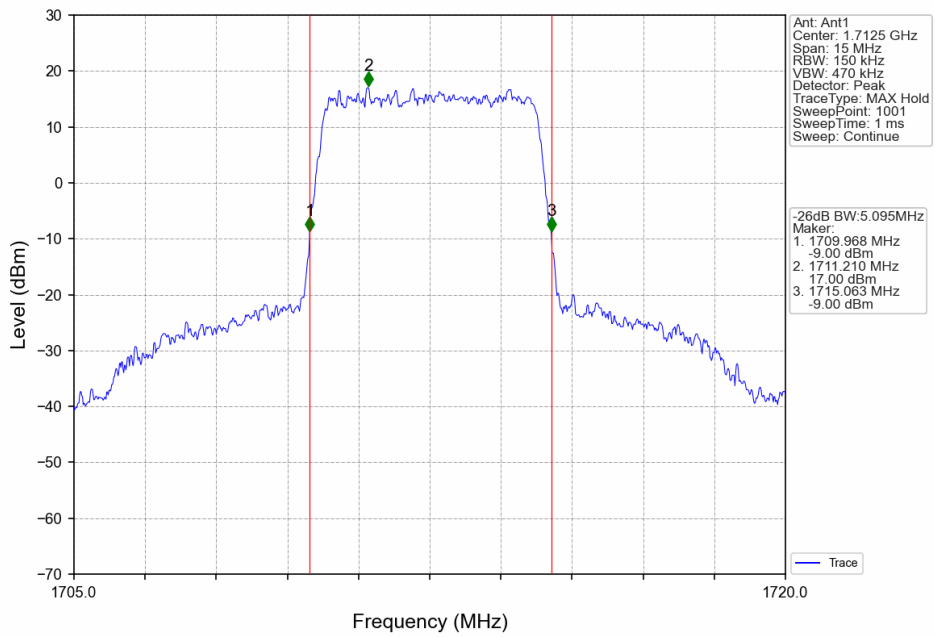
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



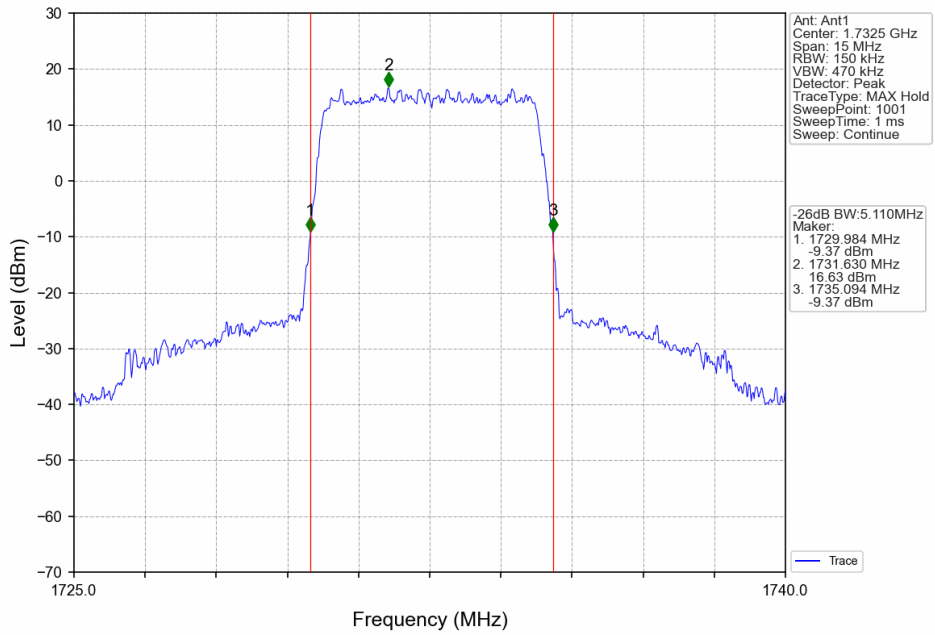
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



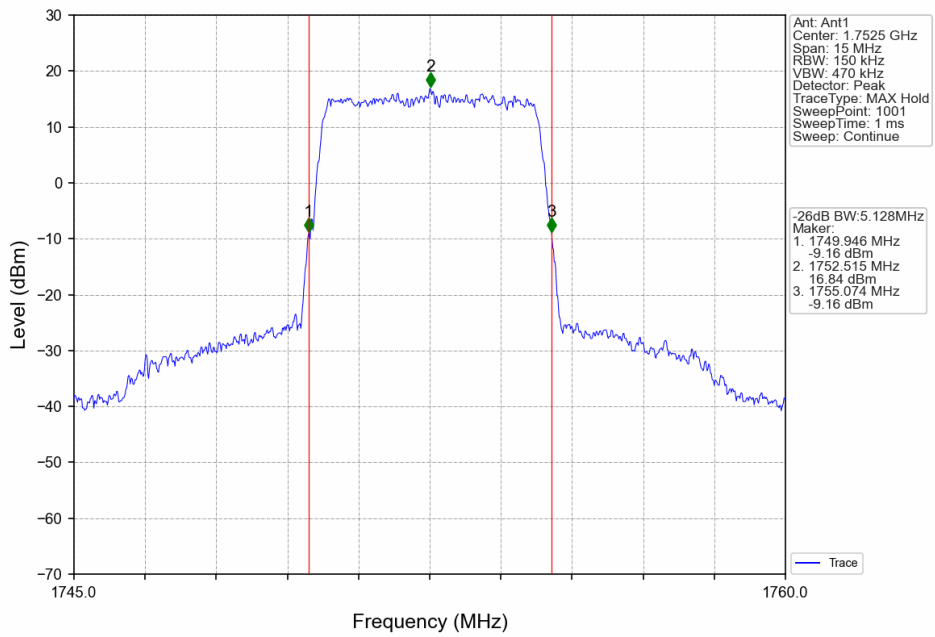
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



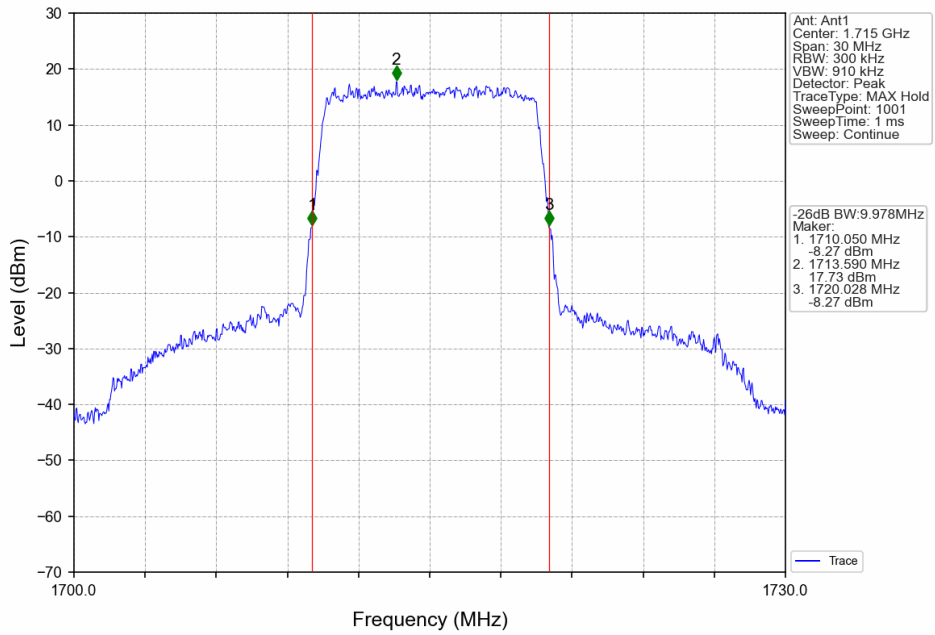
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



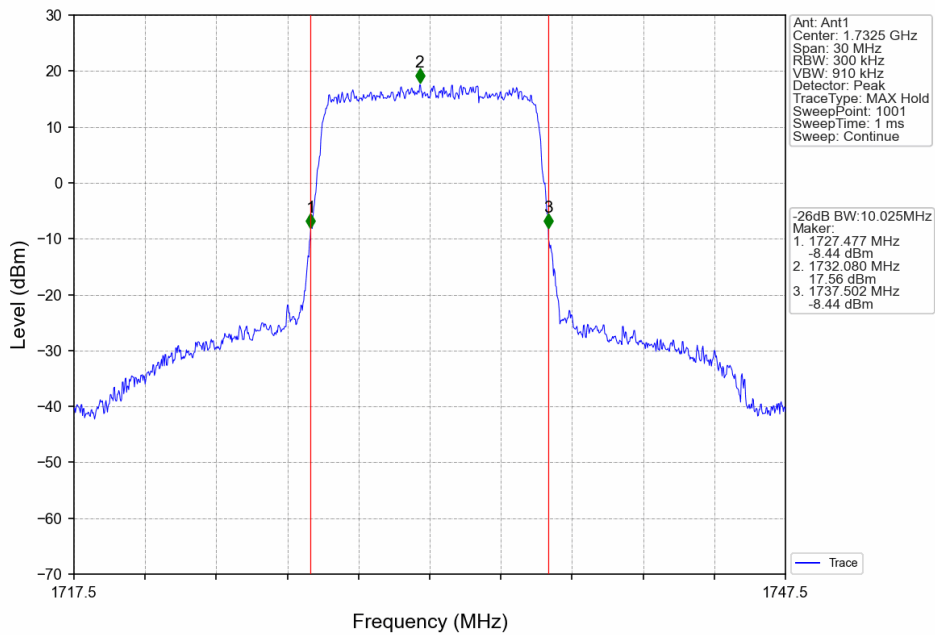
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



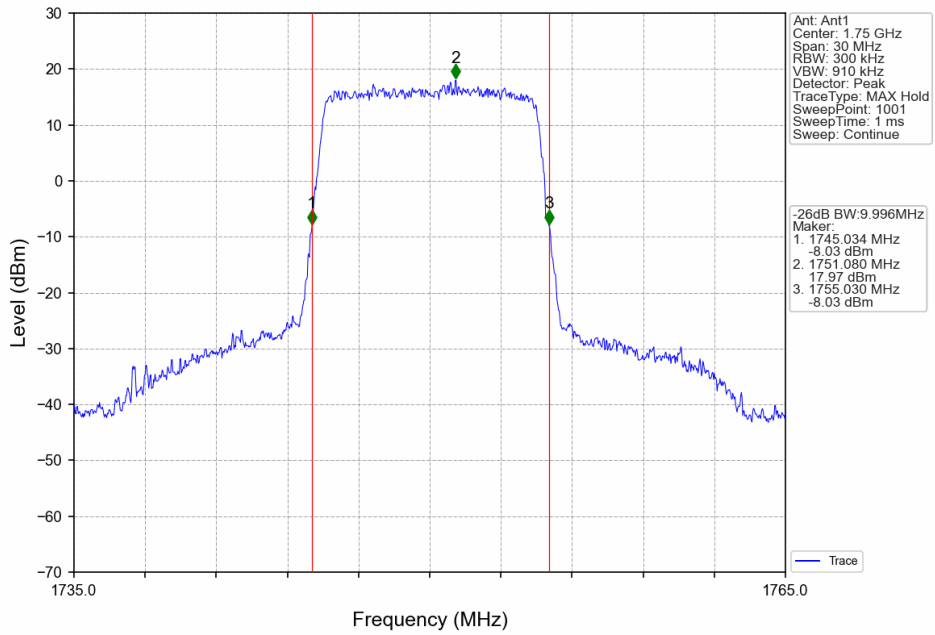
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



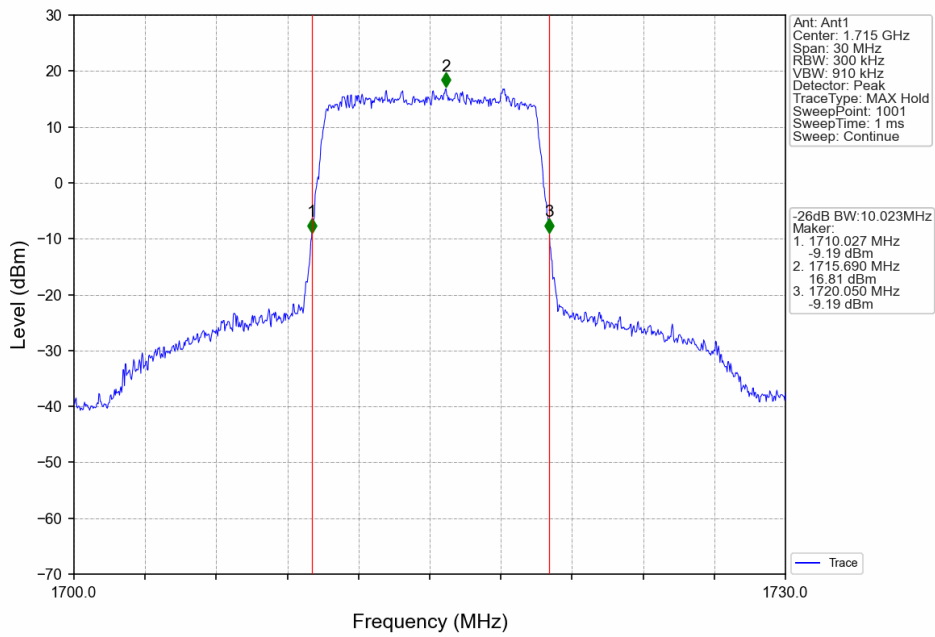
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



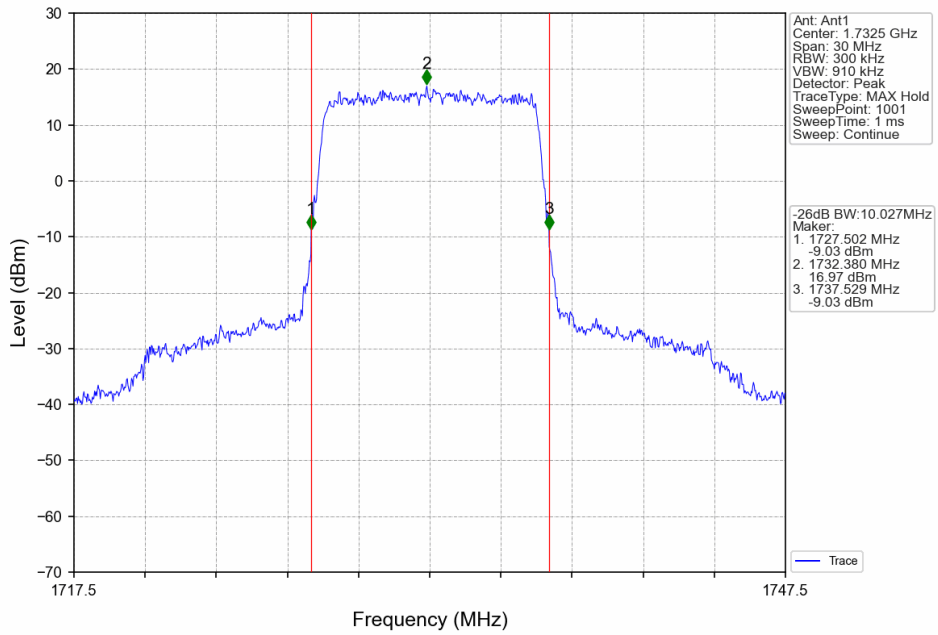
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



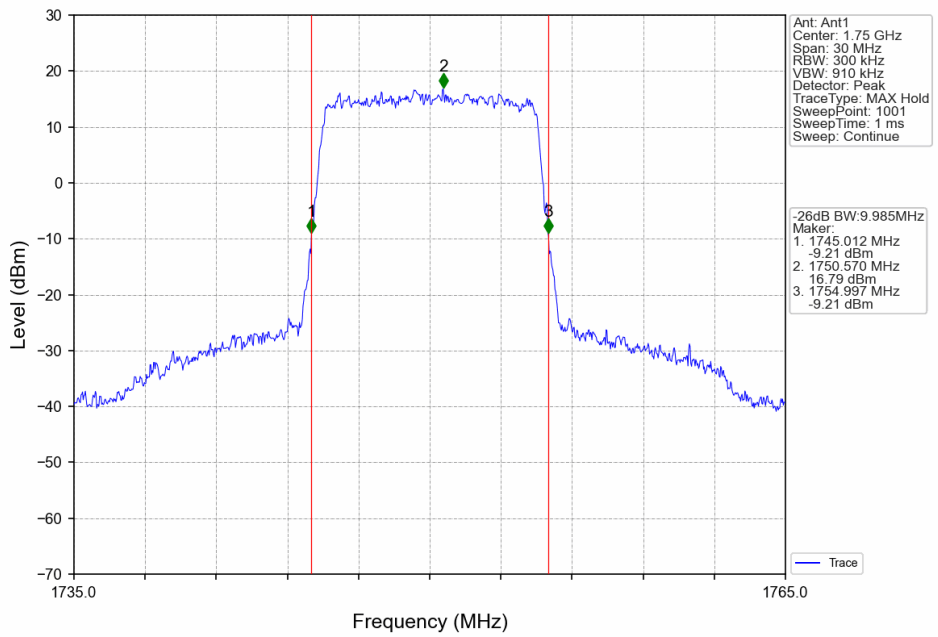
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



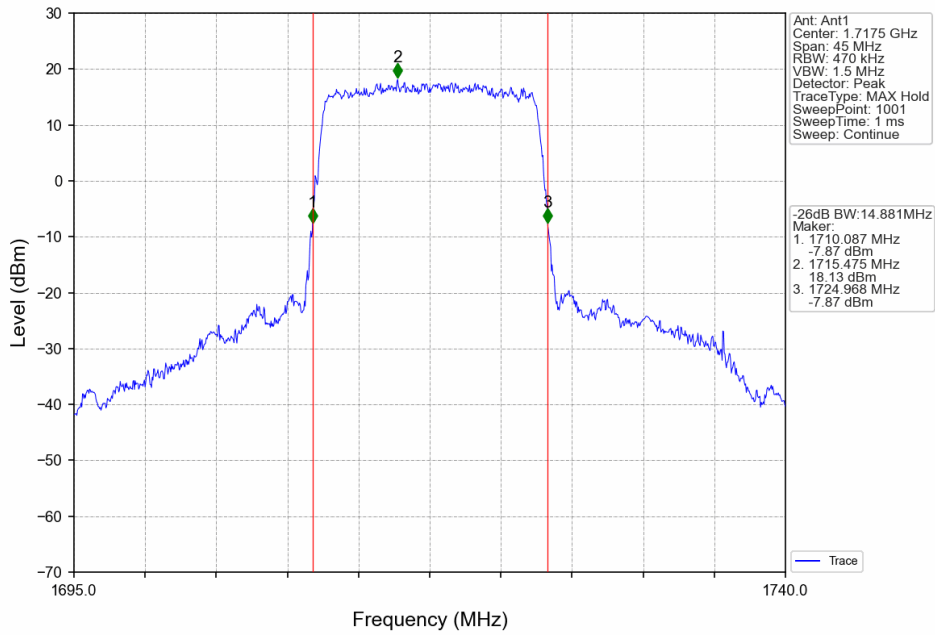
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



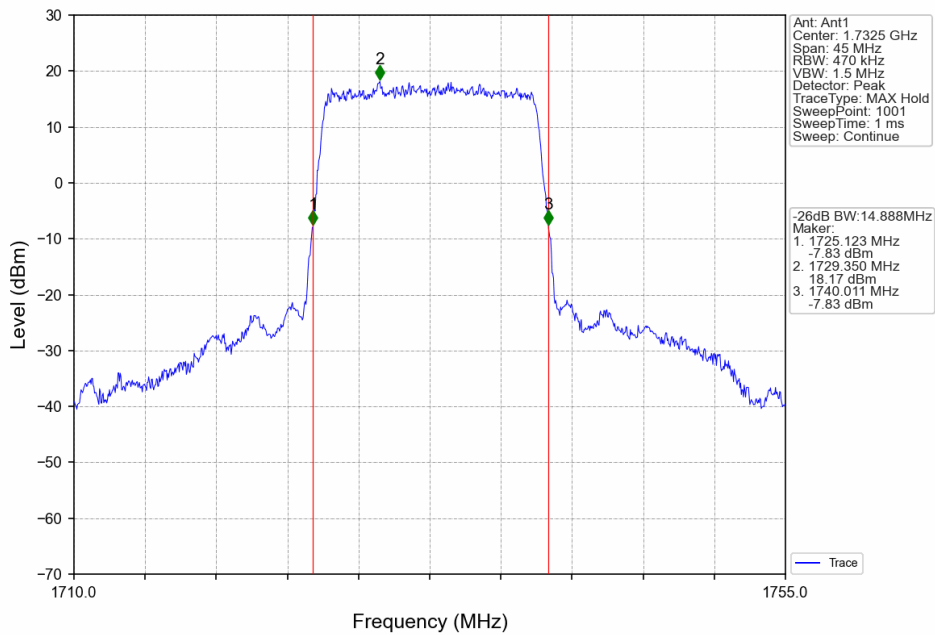
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



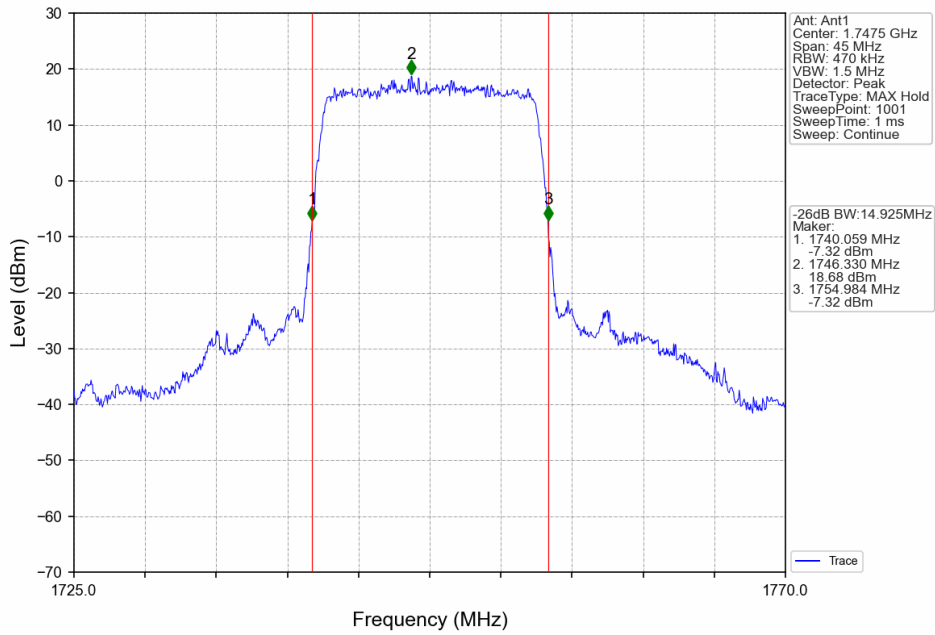
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



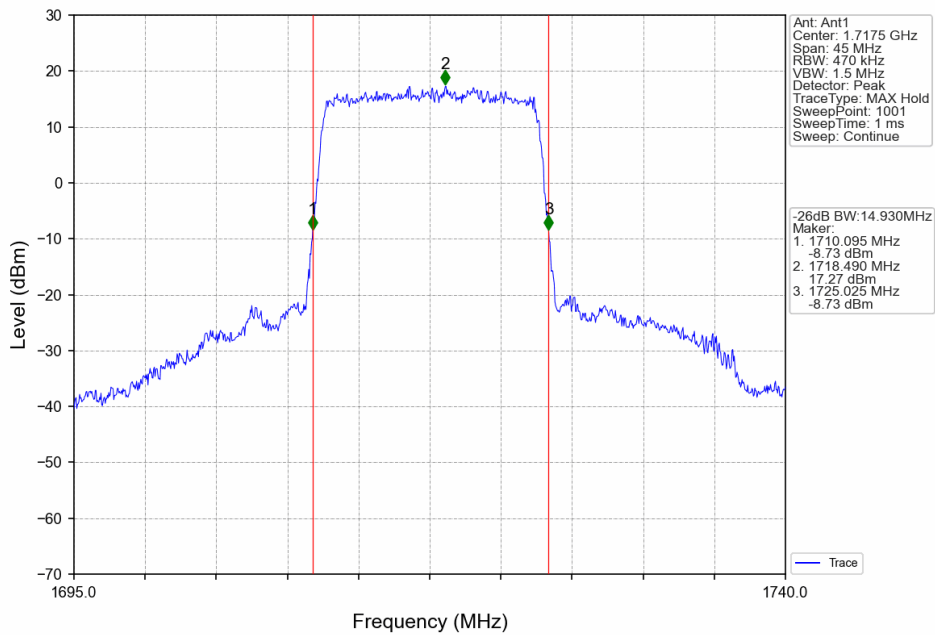
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



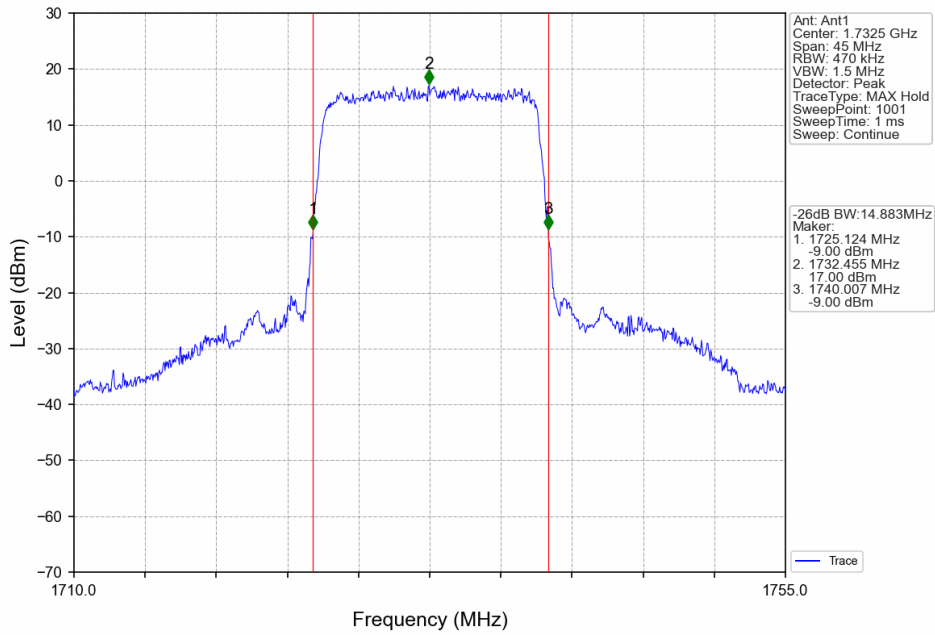
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



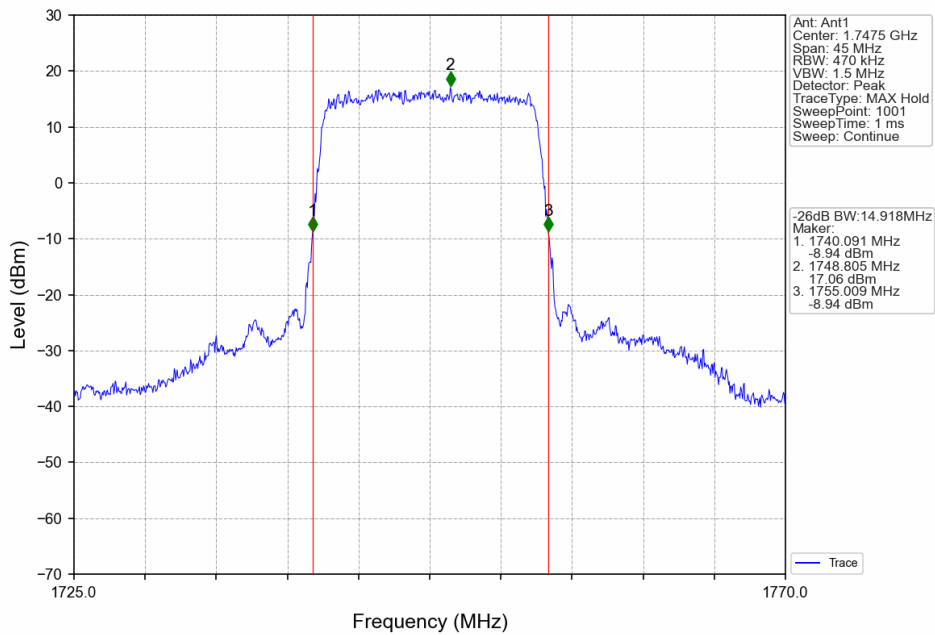
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



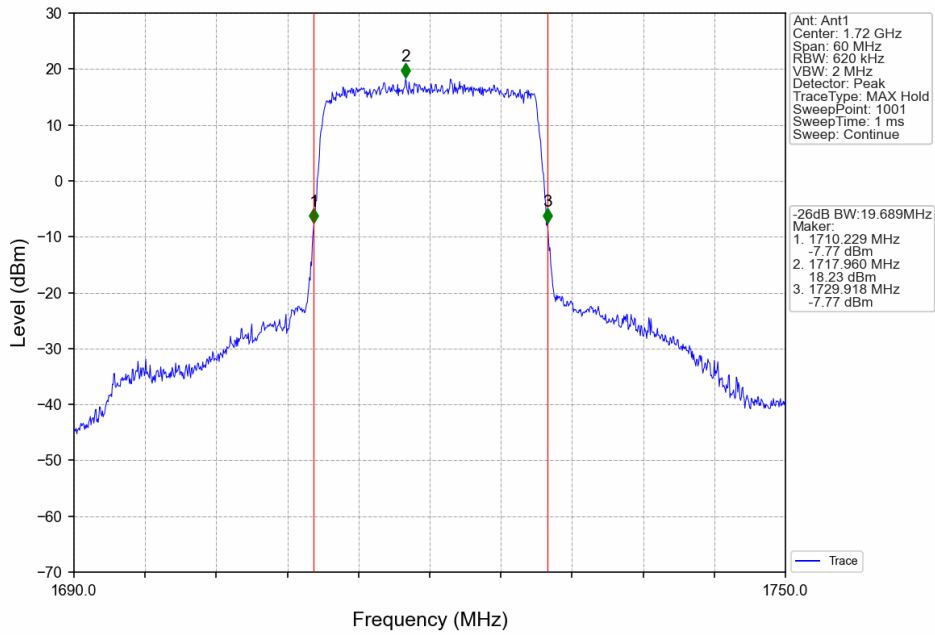
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



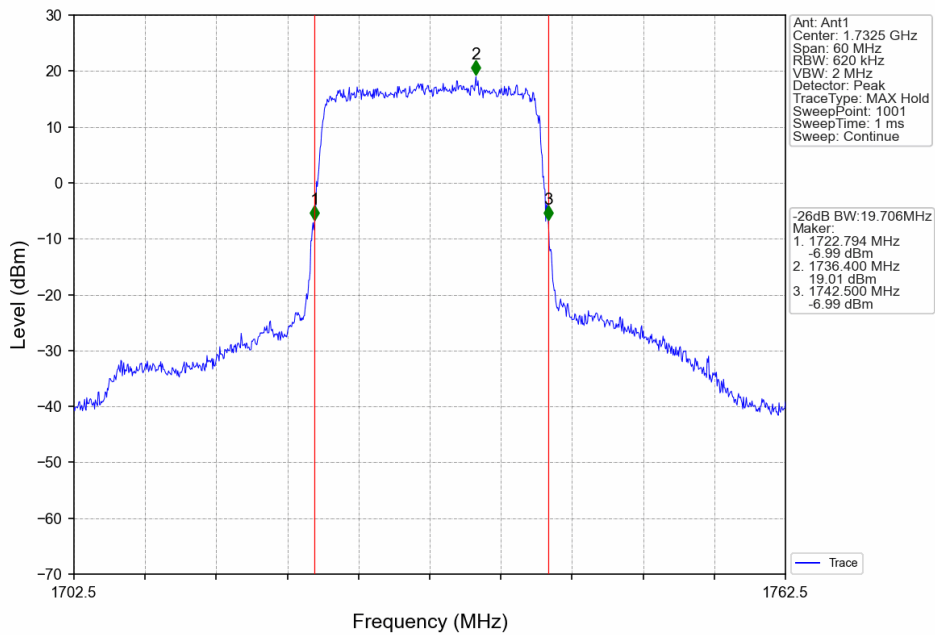
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



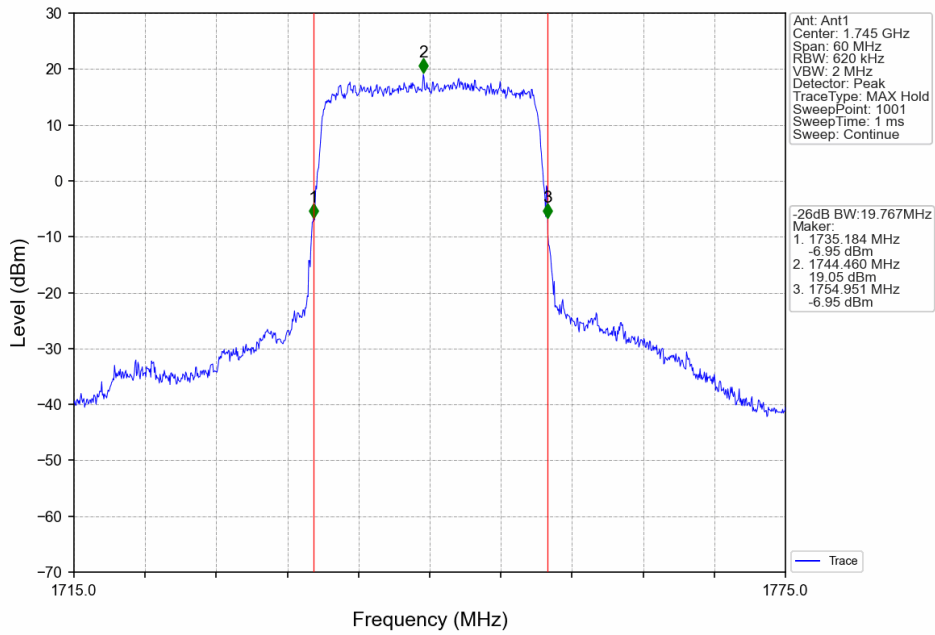
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



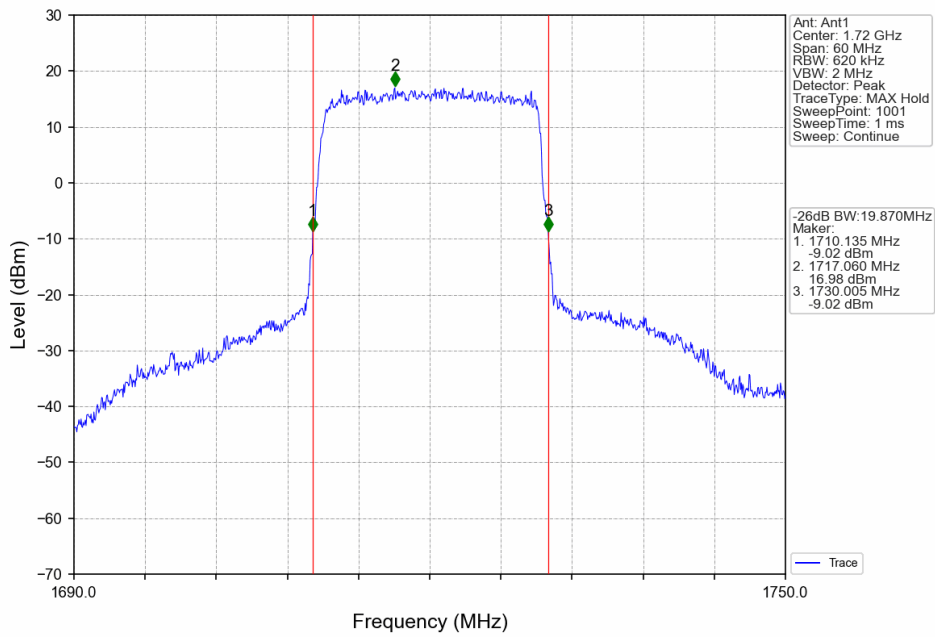
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



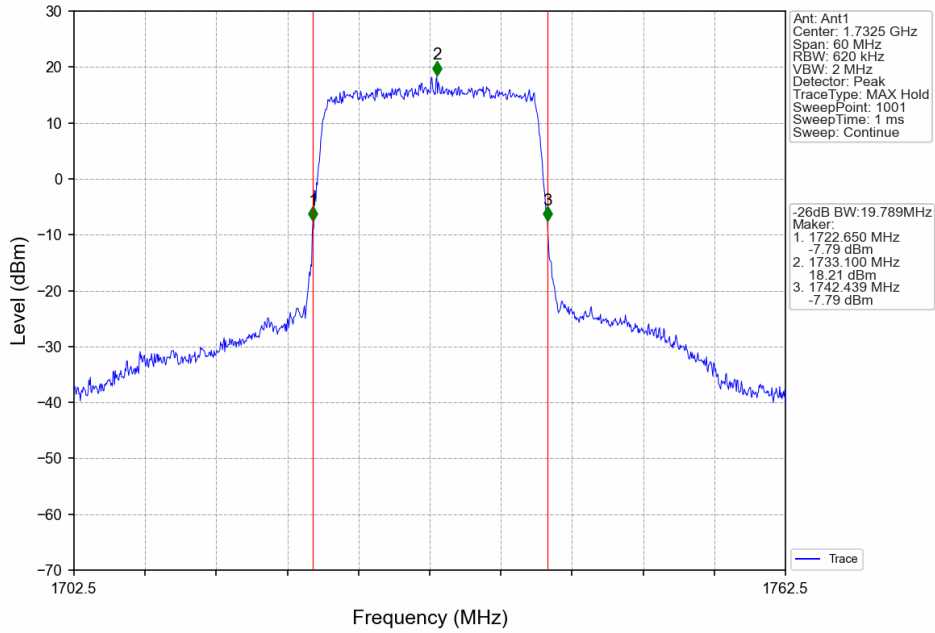
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



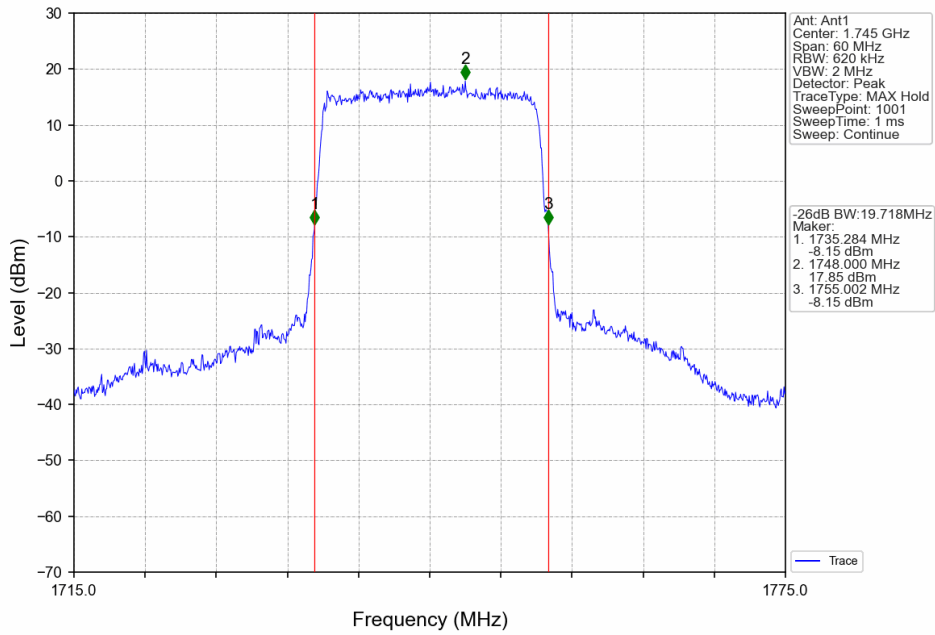
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



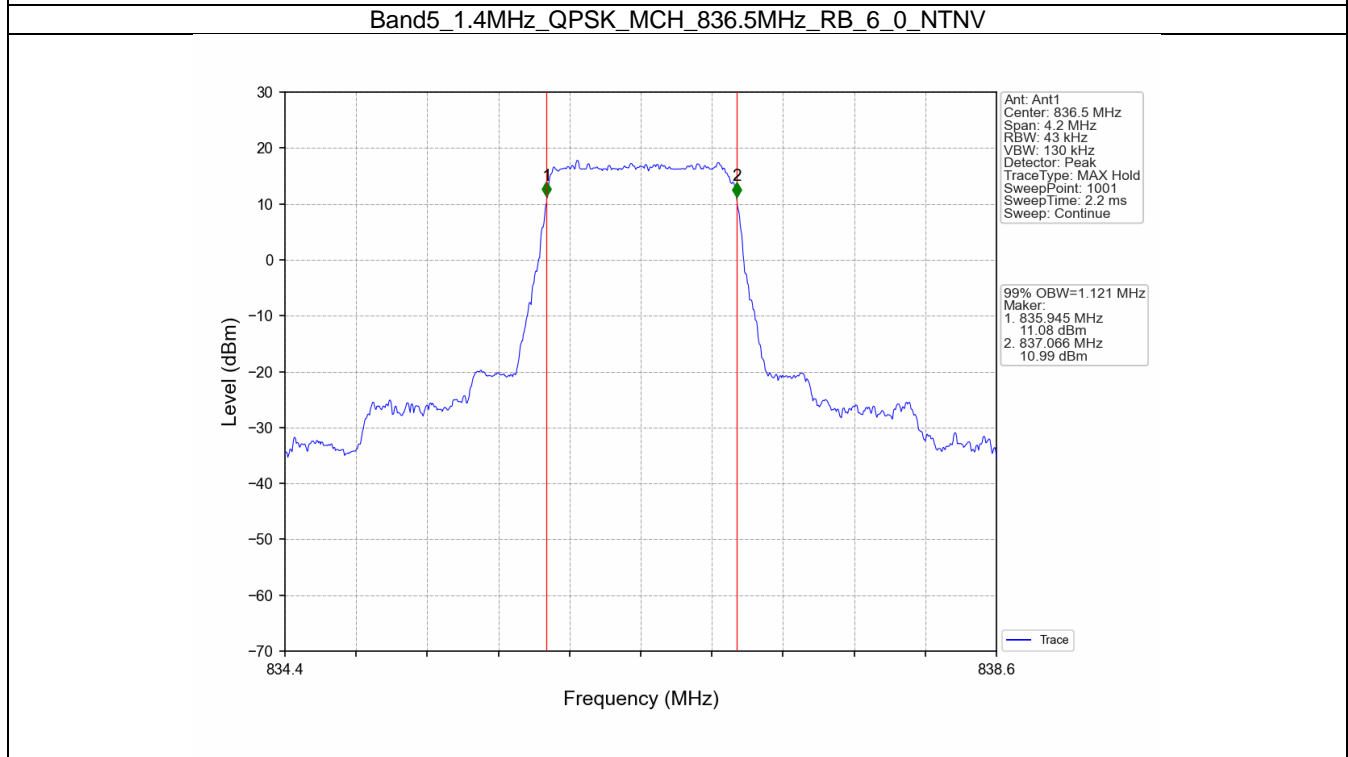
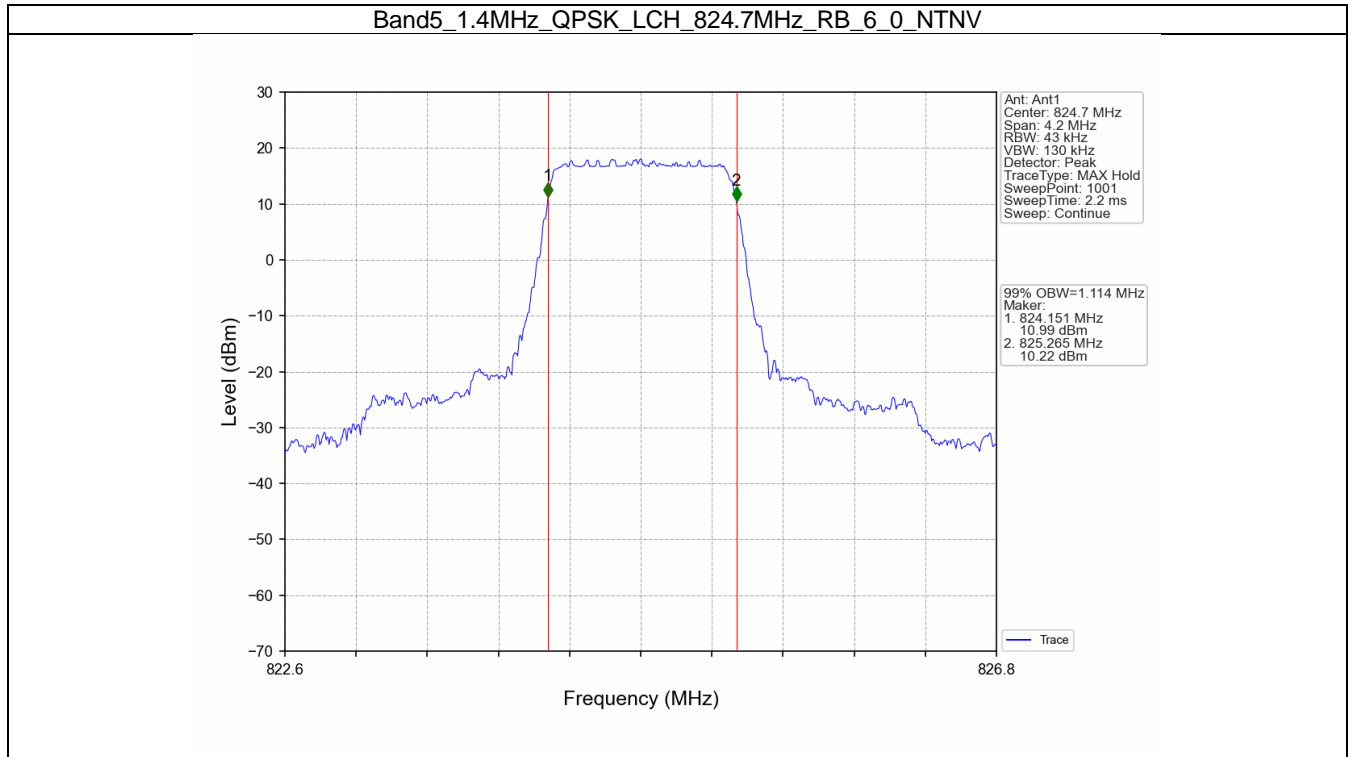
3. 99% & 26dB Bandwidth

3.1 Band5_OBW

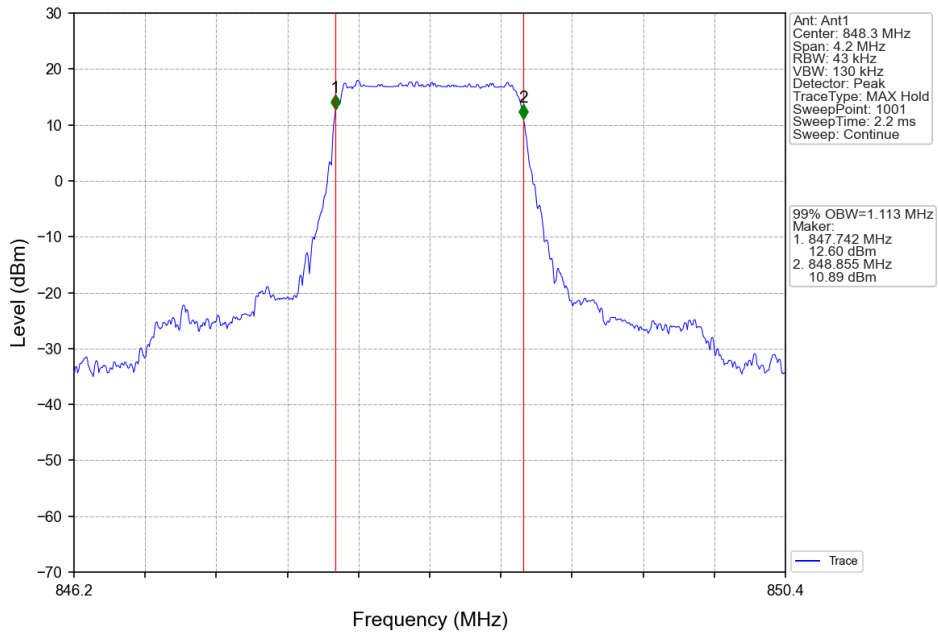
3.1.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.114	Pass
		836.5	6	0	1.121	Pass
		848.3	6	0	1.113	Pass
	16QAM	824.7	6	0	1.106	Pass
		836.5	6	0	1.112	Pass
		848.3	6	0	1.110	Pass
3	QPSK	825.5	15	0	2.742	Pass
		836.5	15	0	2.749	Pass
		847.5	15	0	2.745	Pass
	16QAM	825.5	15	0	2.757	Pass
		836.5	15	0	2.735	Pass
		847.5	15	0	2.736	Pass
5	QPSK	826.5	25	0	4.561	Pass
		836.5	25	0	4.548	Pass
		846.5	25	0	4.549	Pass
	16QAM	826.5	25	0	4.547	Pass
		836.5	25	0	4.573	Pass
		846.5	25	0	4.555	Pass
10	QPSK	829	50	0	9.040	Pass
		836.5	50	0	9.029	Pass
		844	50	0	9.046	Pass
	16QAM	829	50	0	9.046	Pass
		836.5	50	0	9.031	Pass
		844	50	0	9.021	Pass

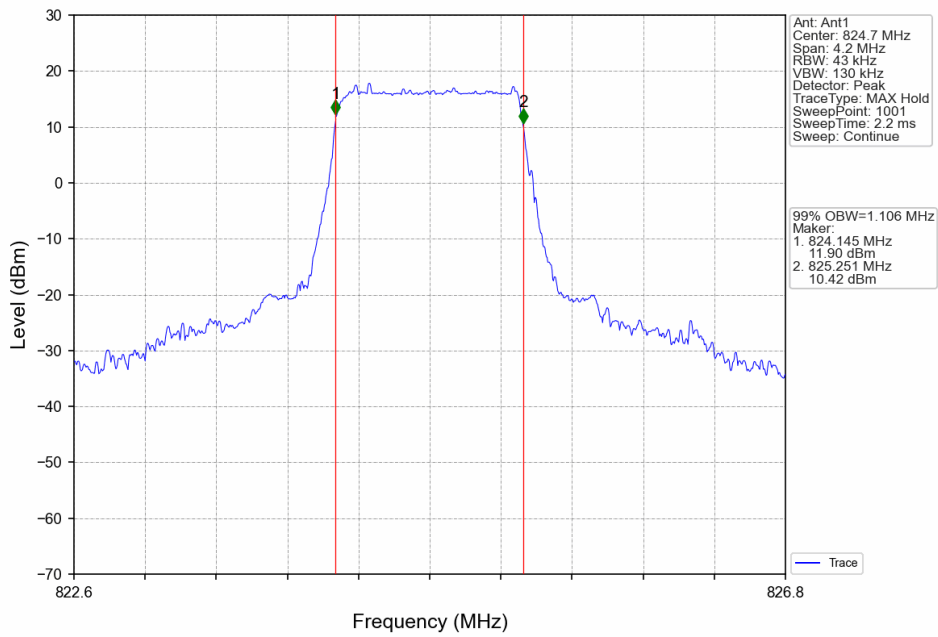
3.1.2 Test Graph



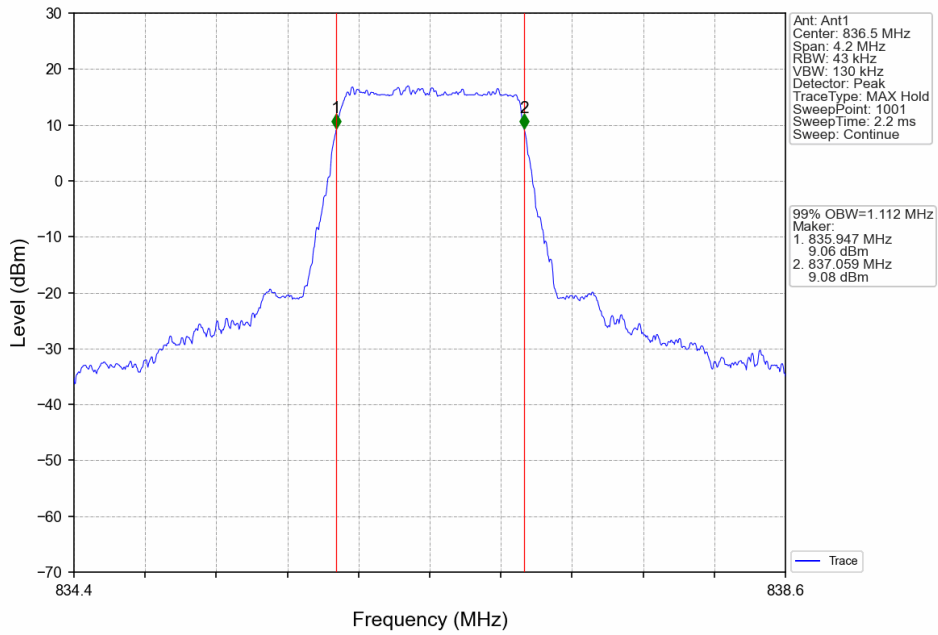
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



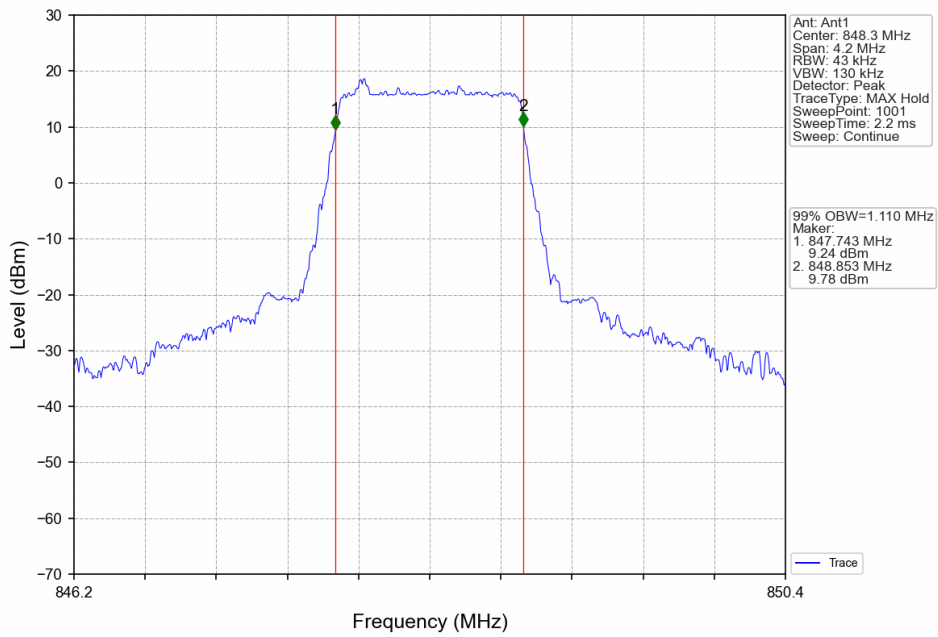
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



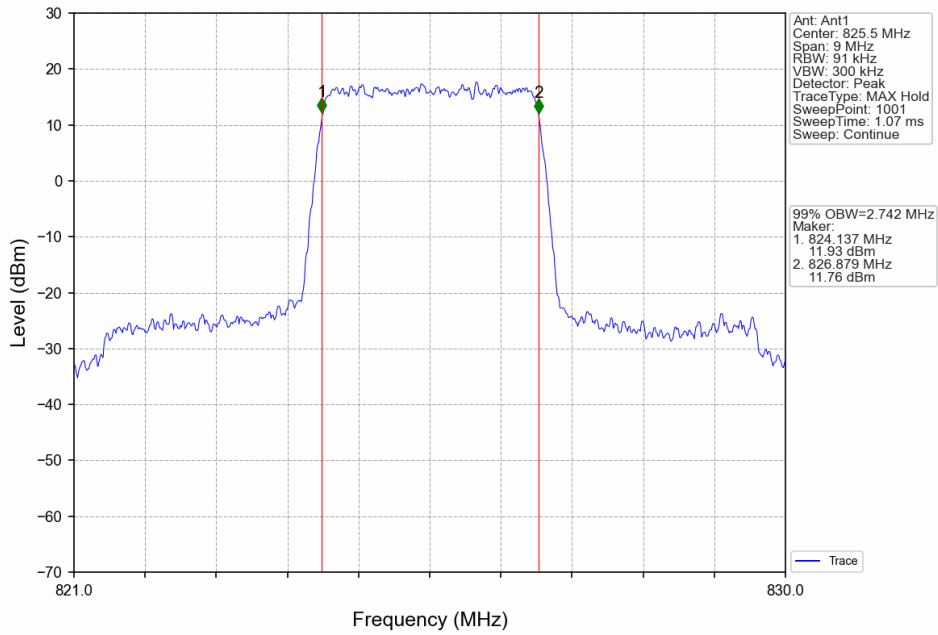
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



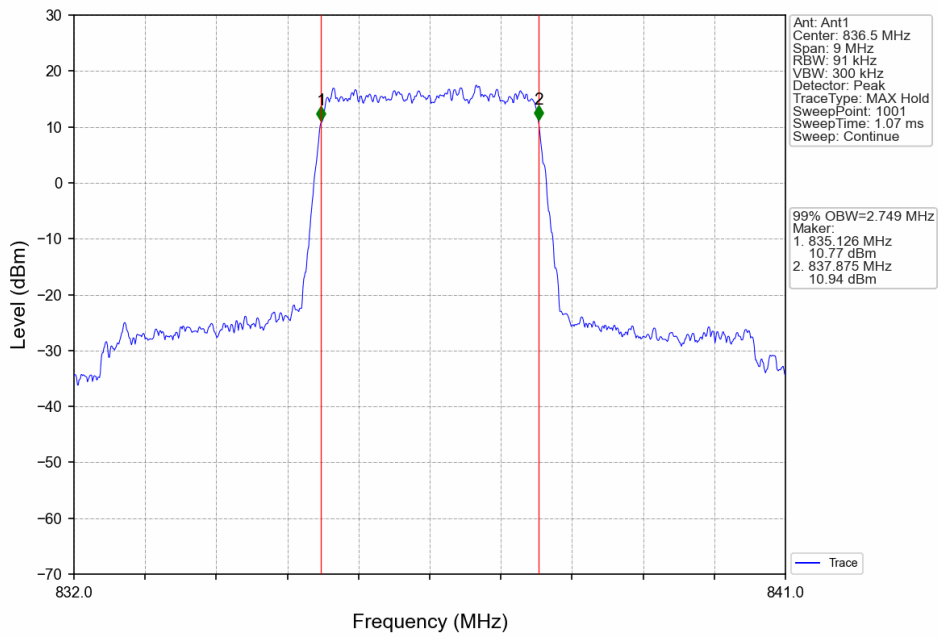
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



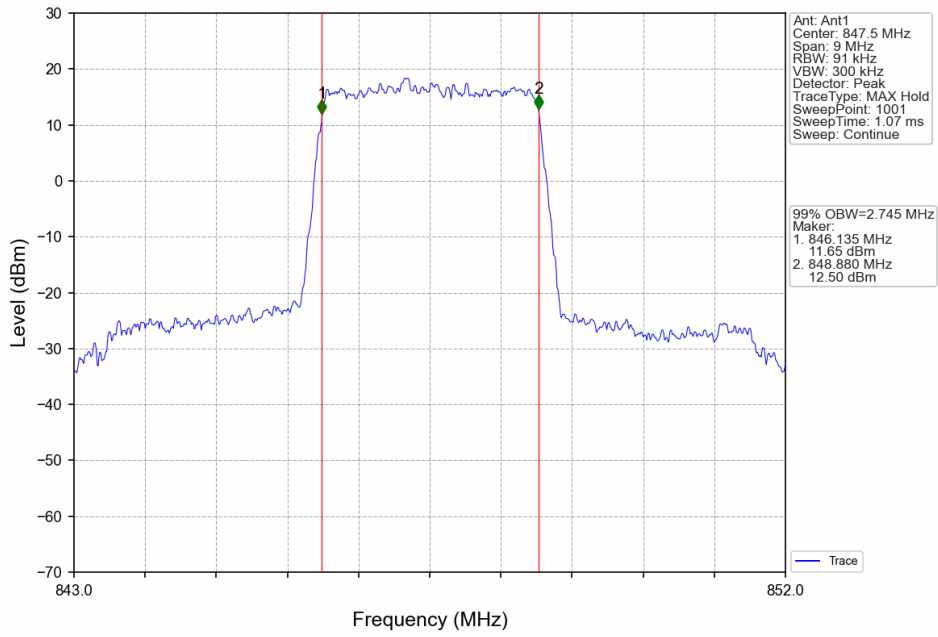
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



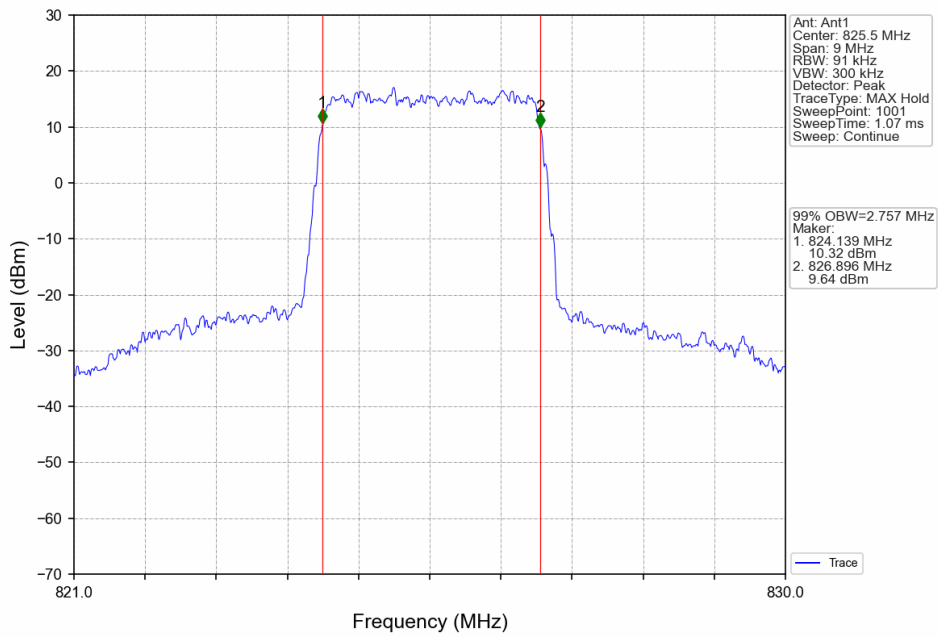
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



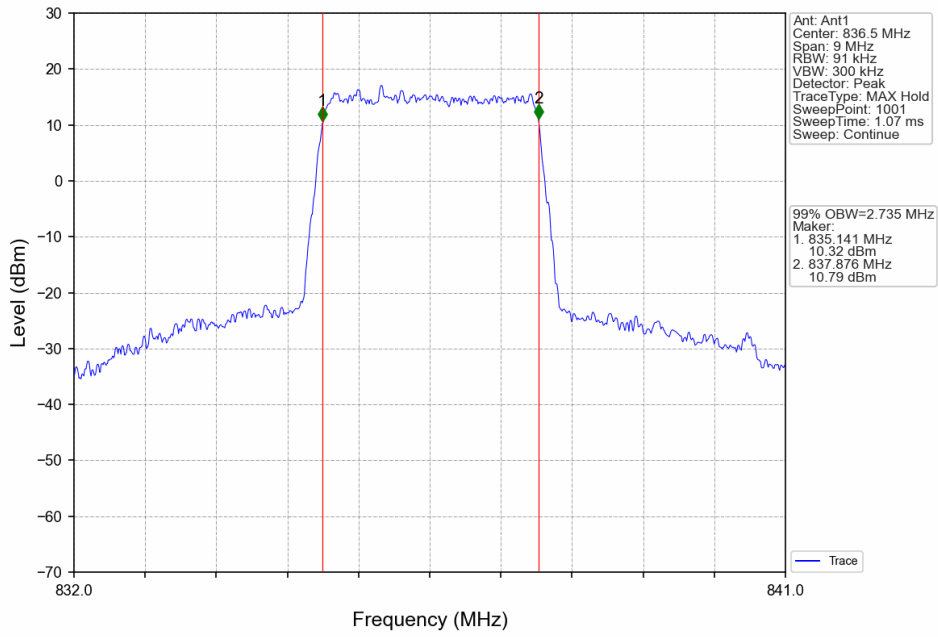
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



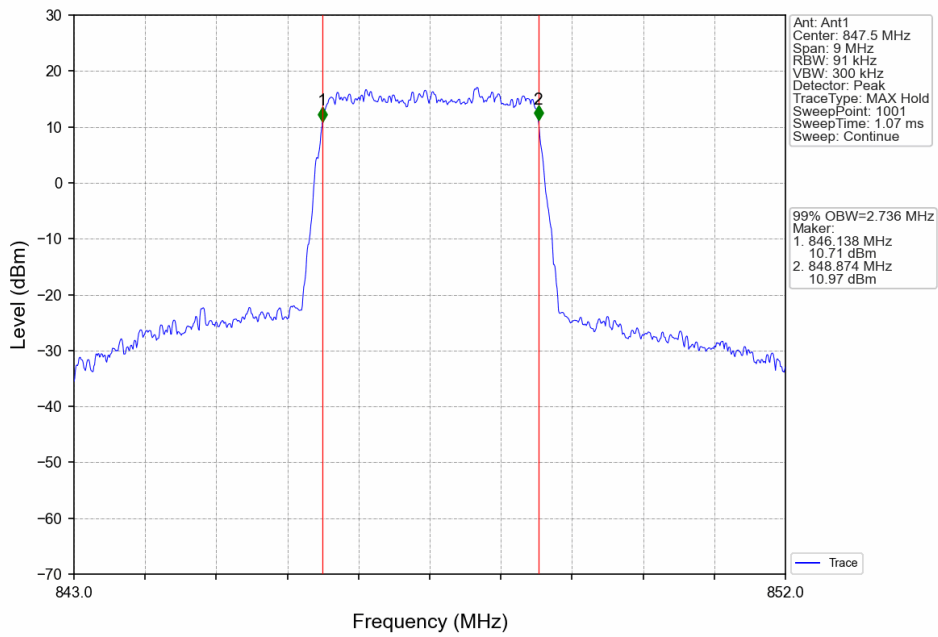
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



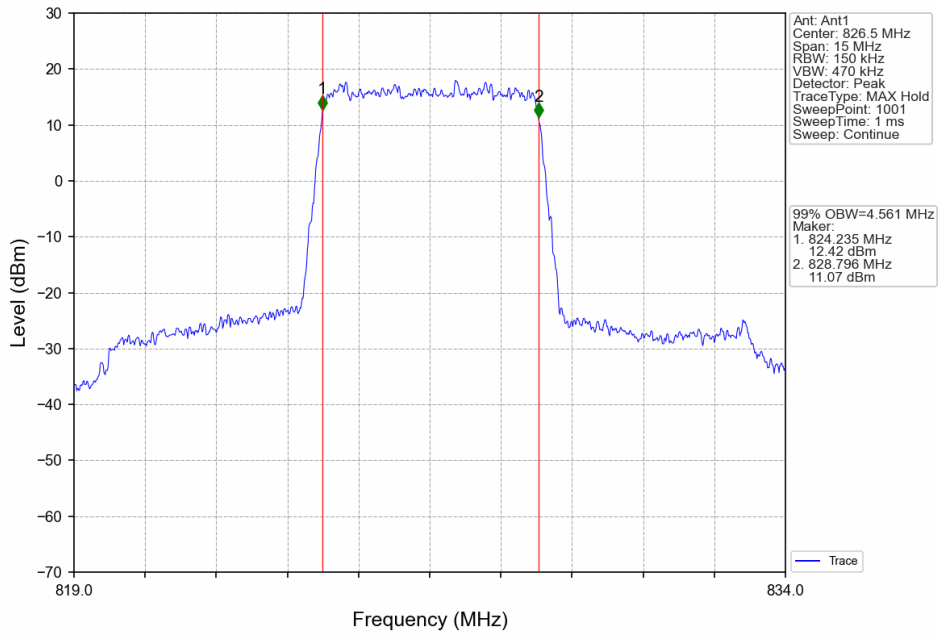
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



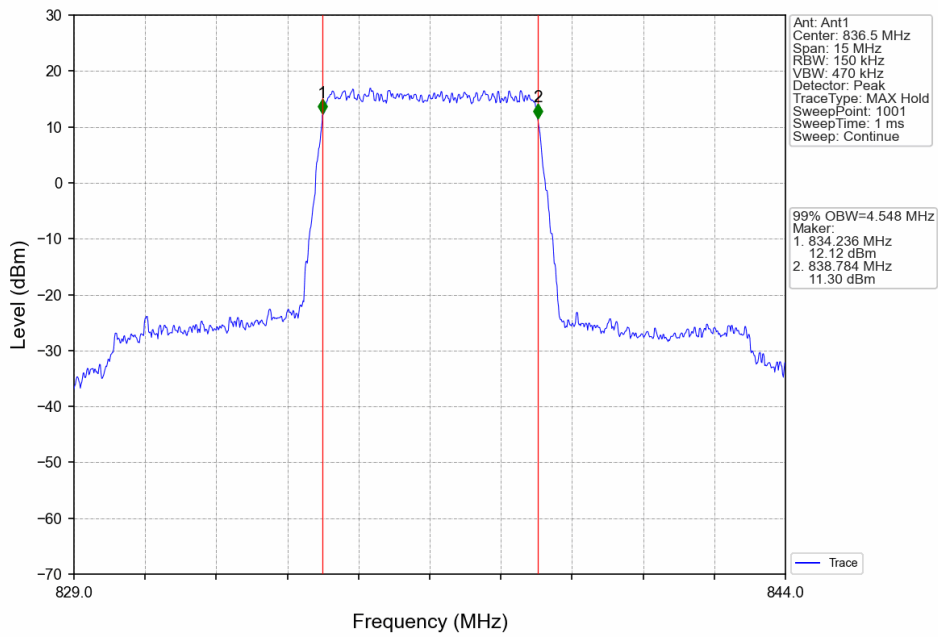
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



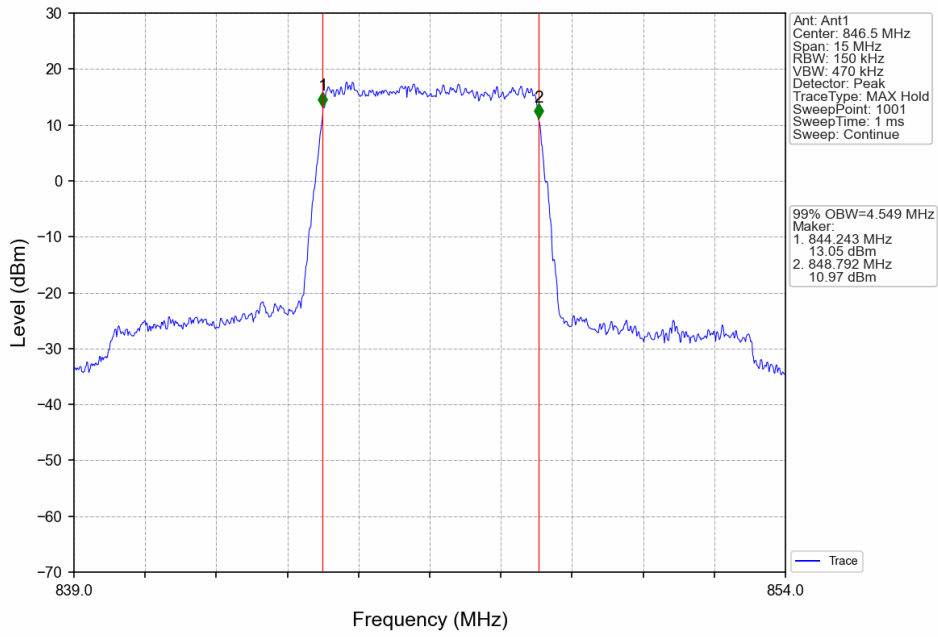
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



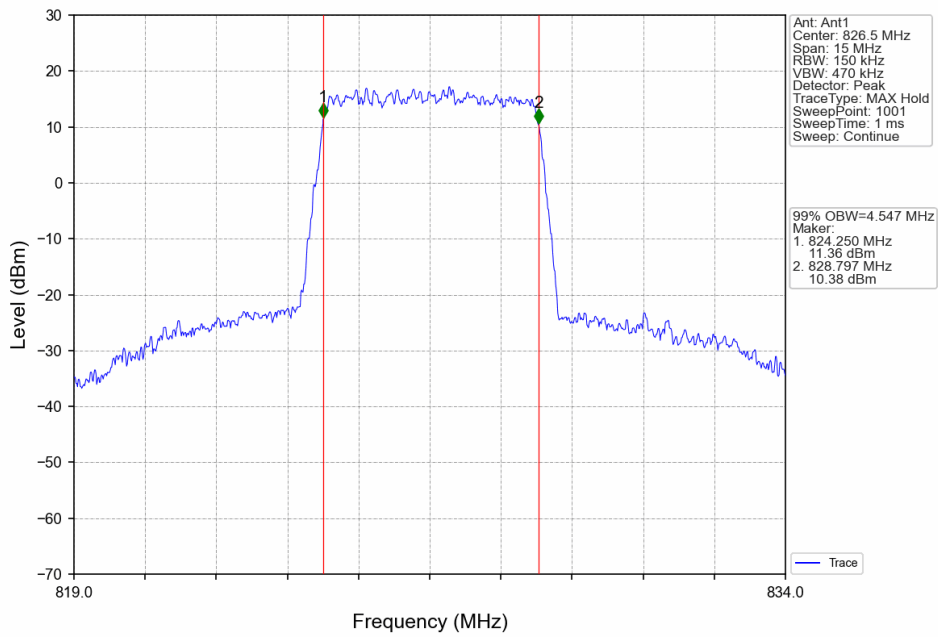
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



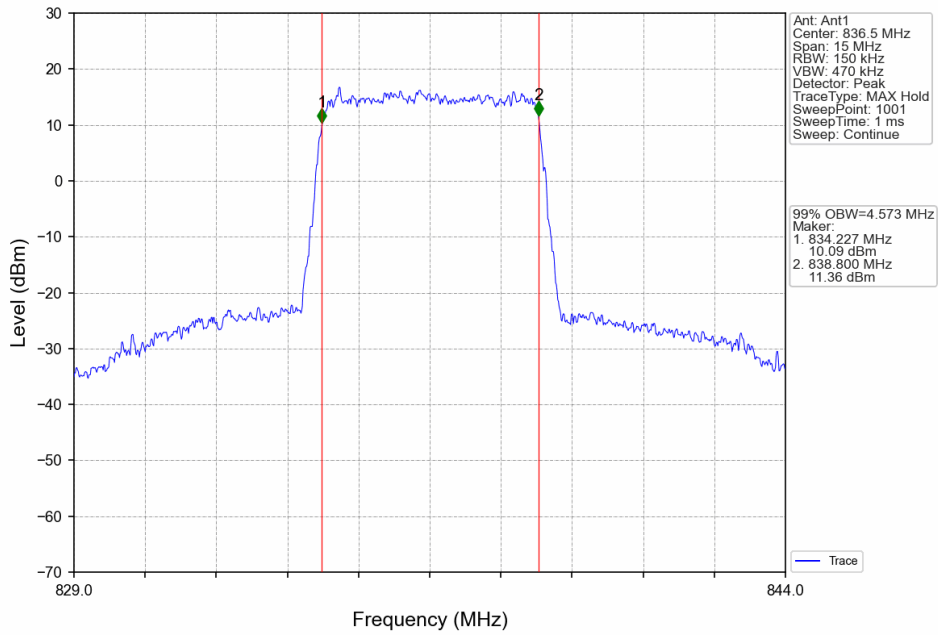
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



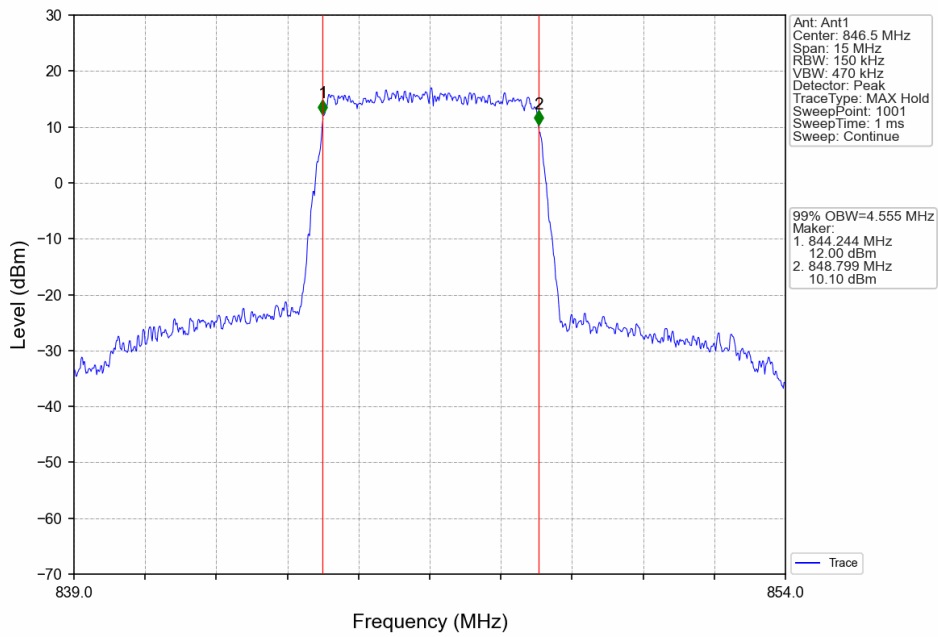
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



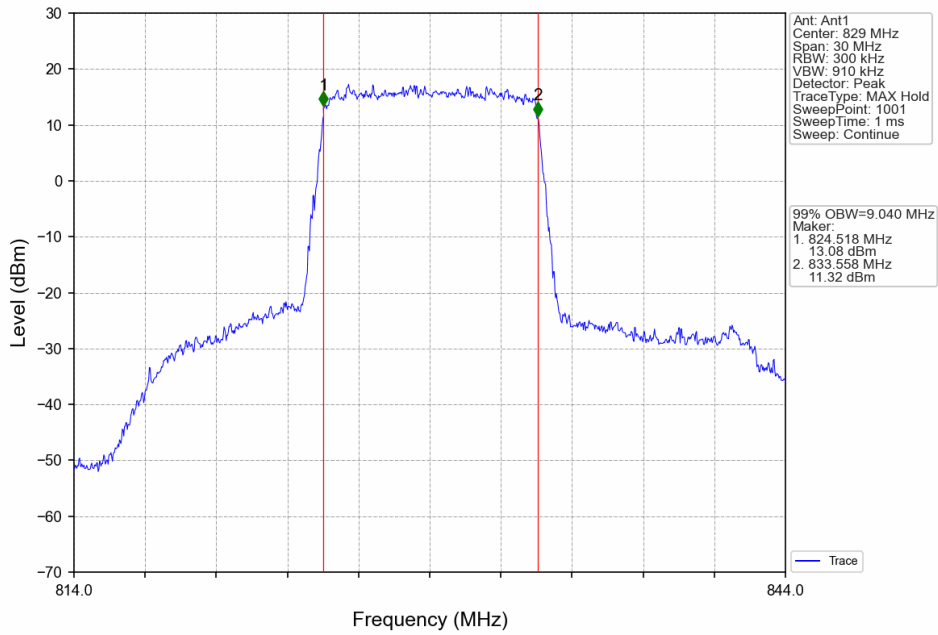
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



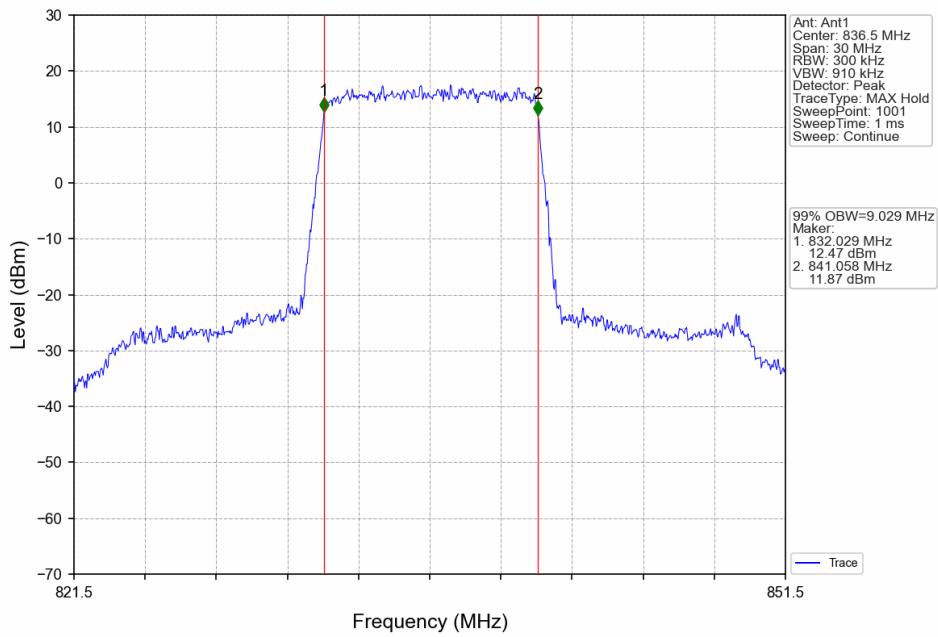
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



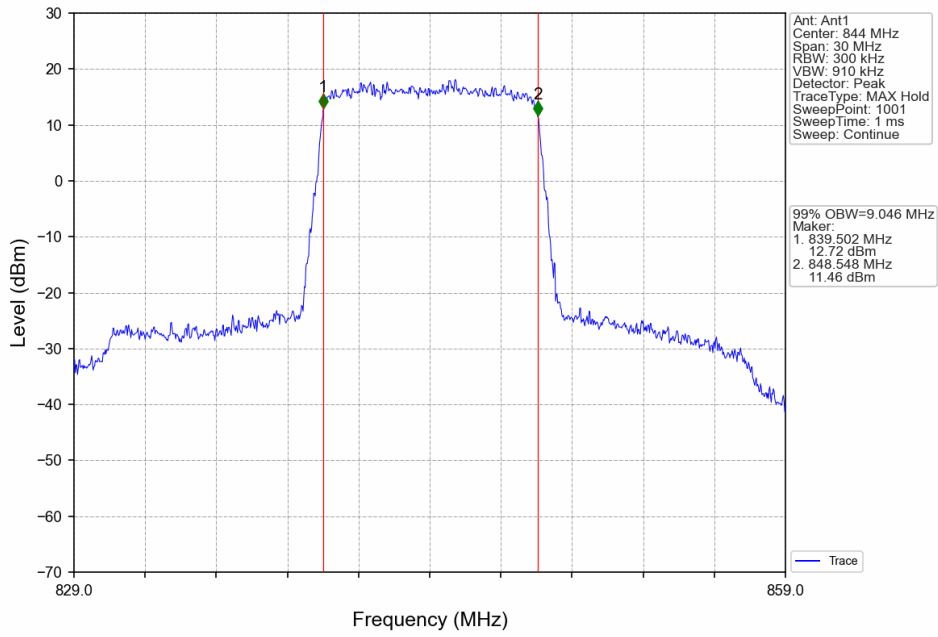
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



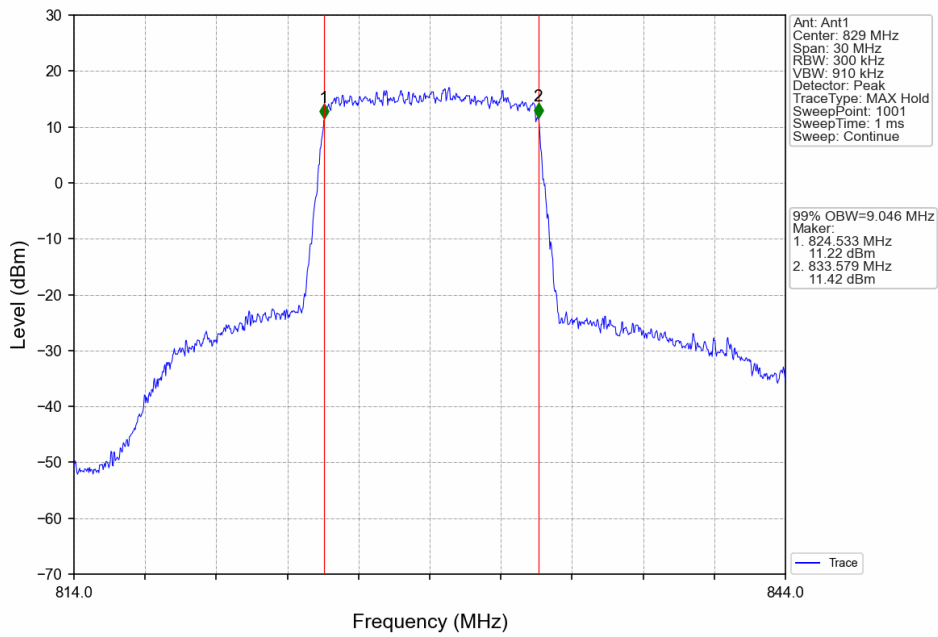
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



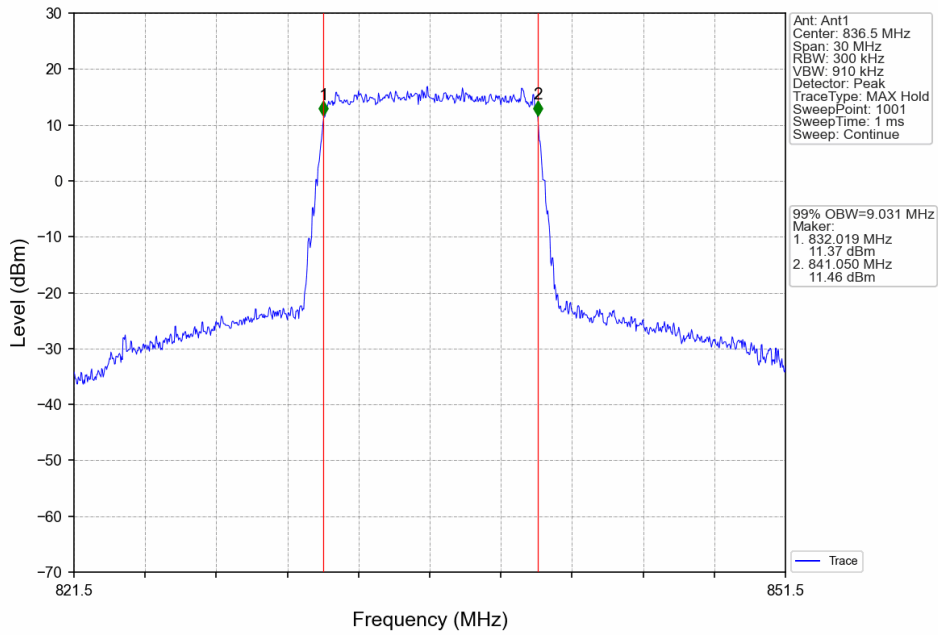
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



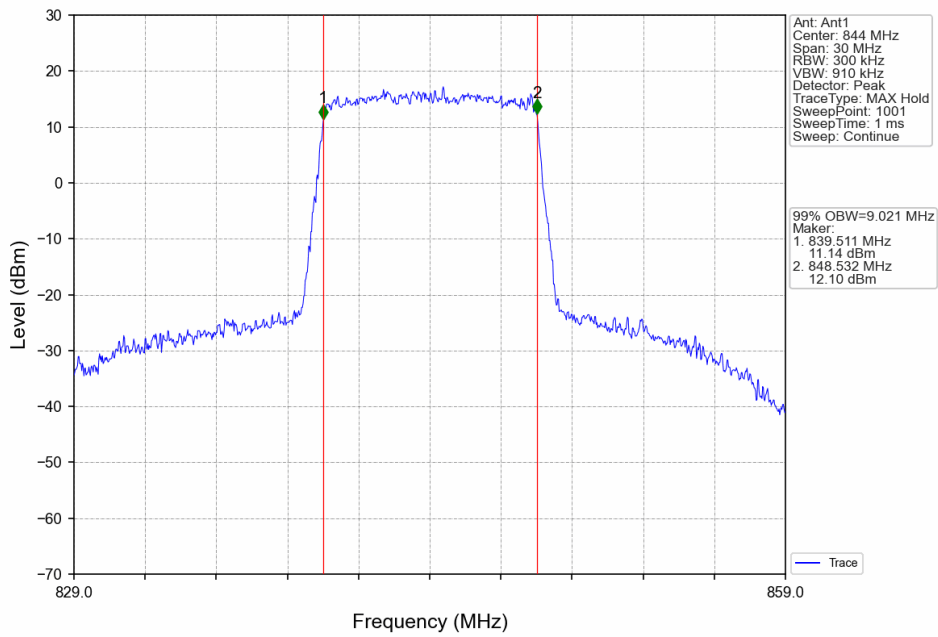
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

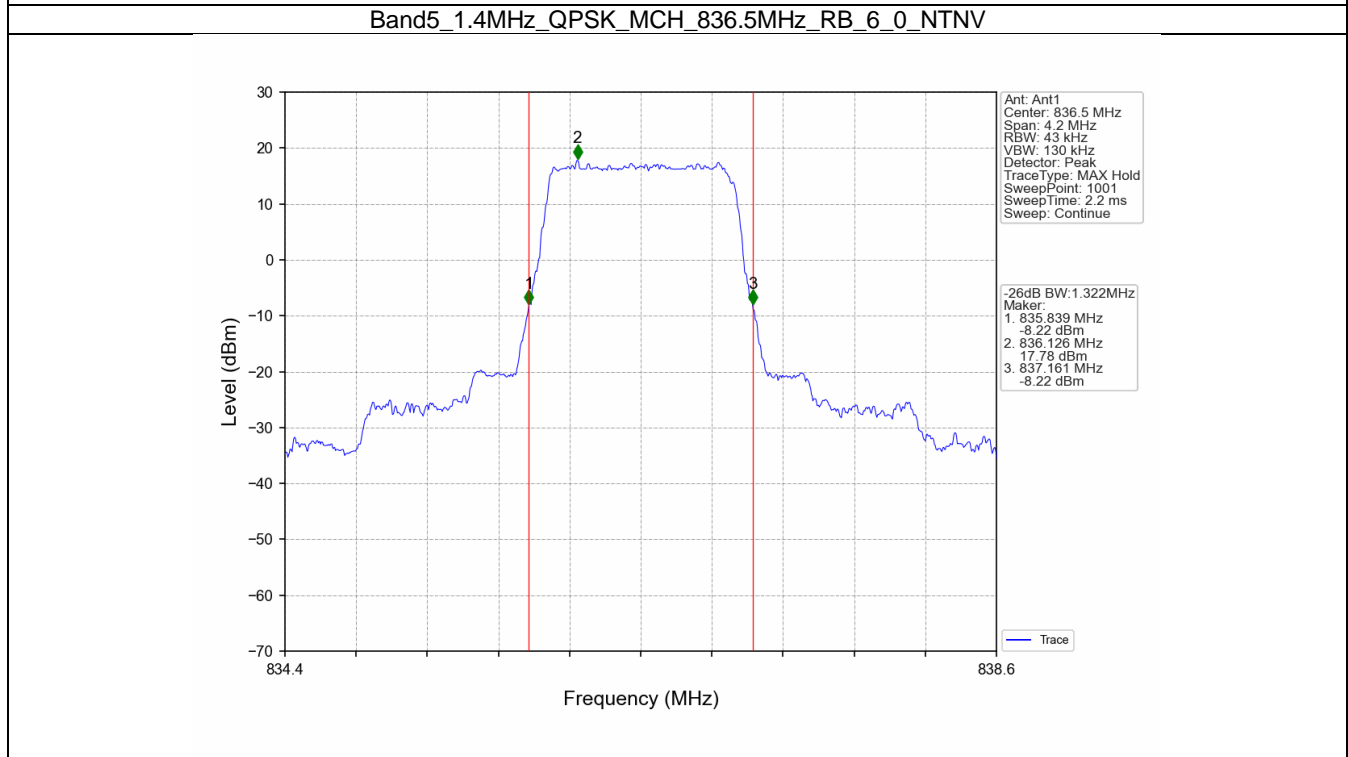
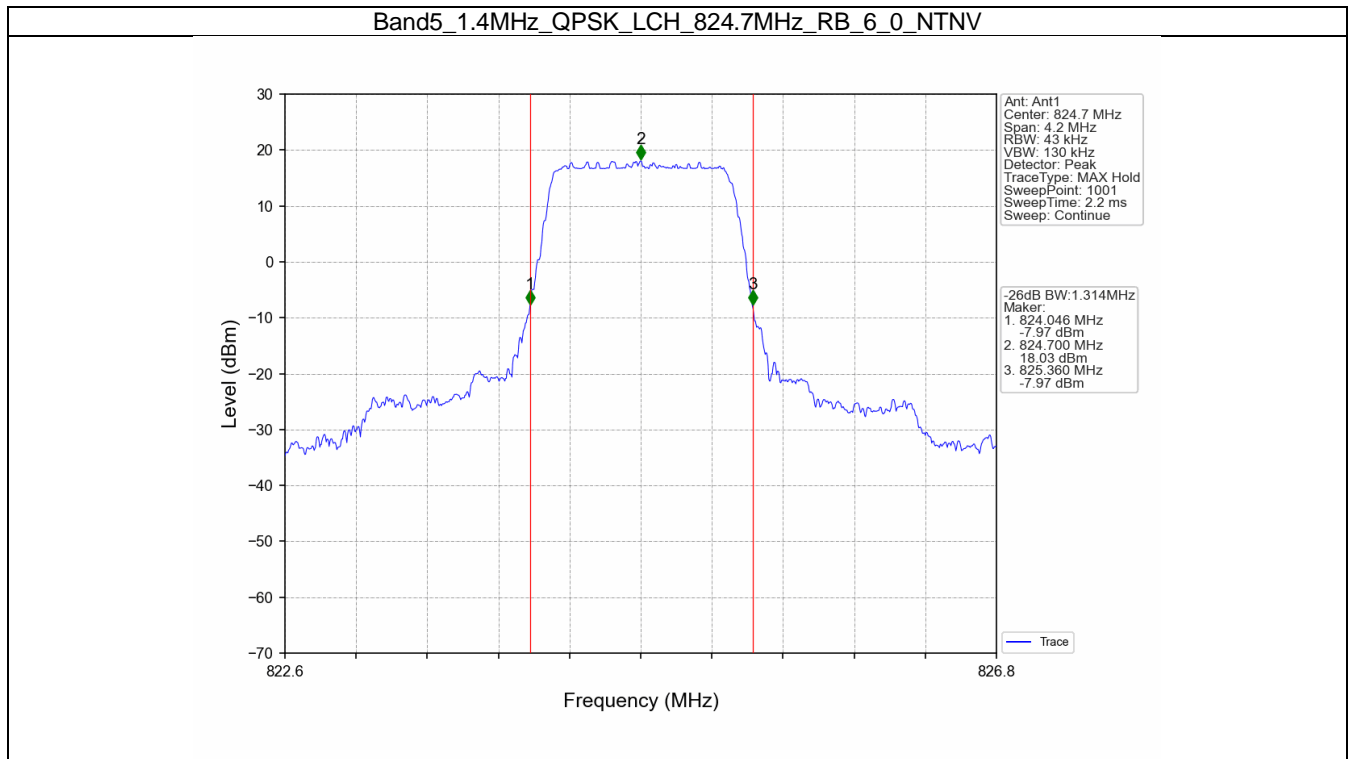


3.2 Band5_XDB

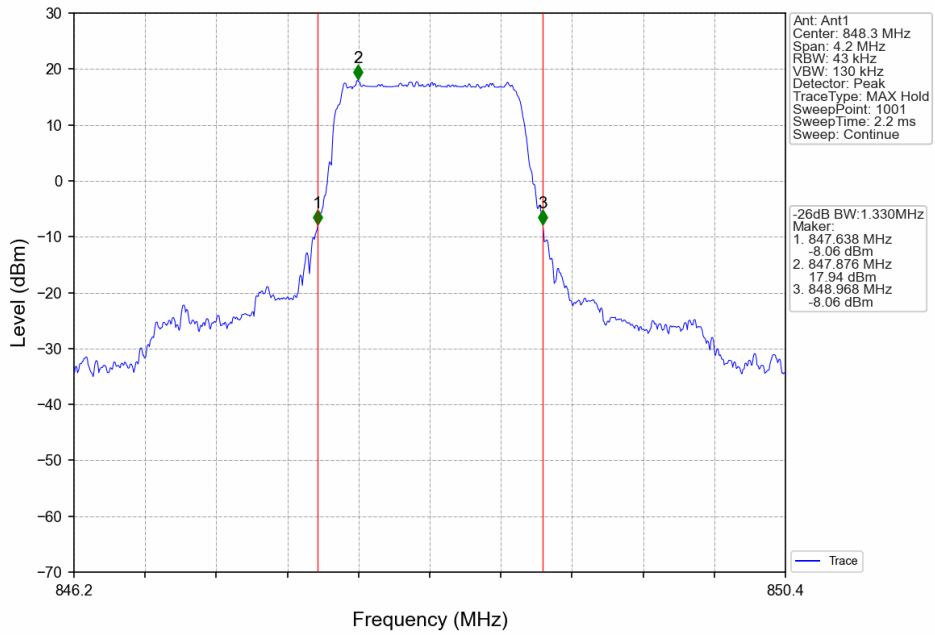
3.2.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.314	Pass
		836.5	6	0	1.322	Pass
		848.3	6	0	1.330	Pass
	16QAM	824.7	6	0	1.300	Pass
		836.5	6	0	1.341	Pass
		848.3	6	0	1.313	Pass
3	QPSK	825.5	15	0	3.063	Pass
		836.5	15	0	3.055	Pass
		847.5	15	0	3.048	Pass
	16QAM	825.5	15	0	3.047	Pass
		836.5	15	0	3.050	Pass
		847.5	15	0	3.056	Pass
5	QPSK	826.5	25	0	5.117	Pass
		836.5	25	0	5.111	Pass
		846.5	25	0	5.078	Pass
	16QAM	826.5	25	0	5.073	Pass
		836.5	25	0	5.073	Pass
		846.5	25	0	5.098	Pass
10	QPSK	829	50	0	10.090	Pass
		836.5	50	0	10.073	Pass
		844	50	0	9.985	Pass
	16QAM	829	50	0	9.985	Pass
		836.5	50	0	10.034	Pass
		844	50	0	10.039	Pass

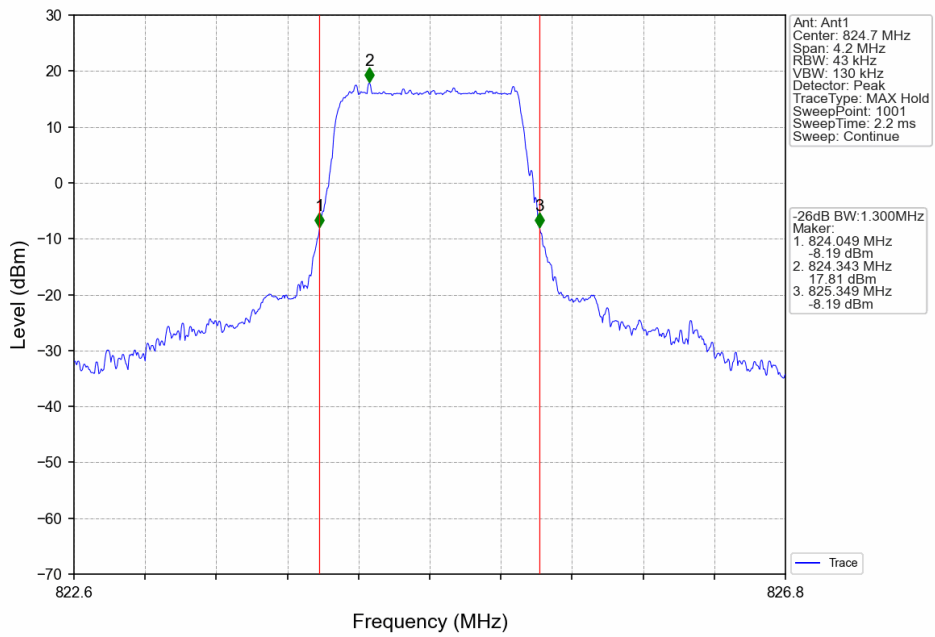
3.2.2 Test Graph



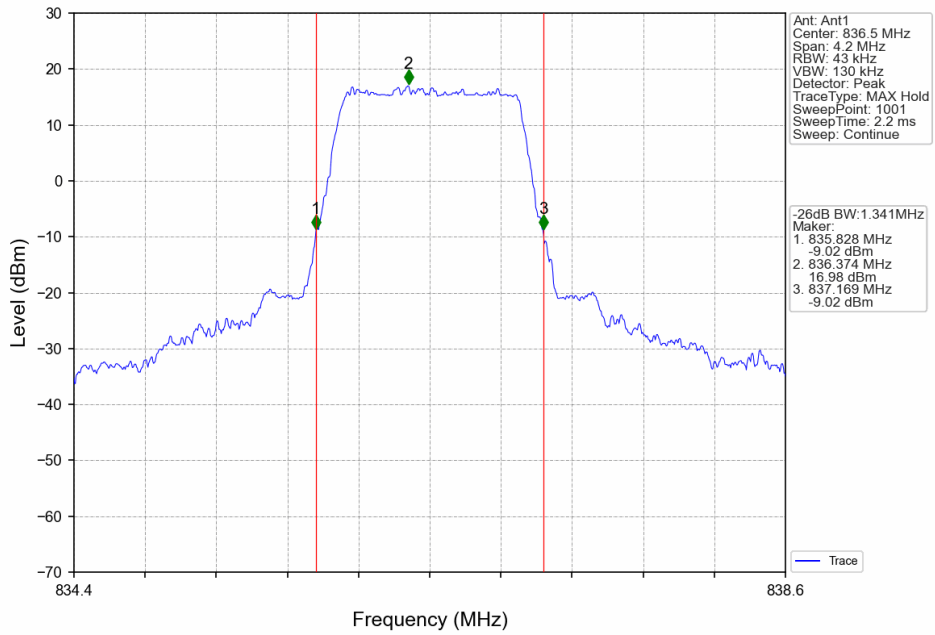
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



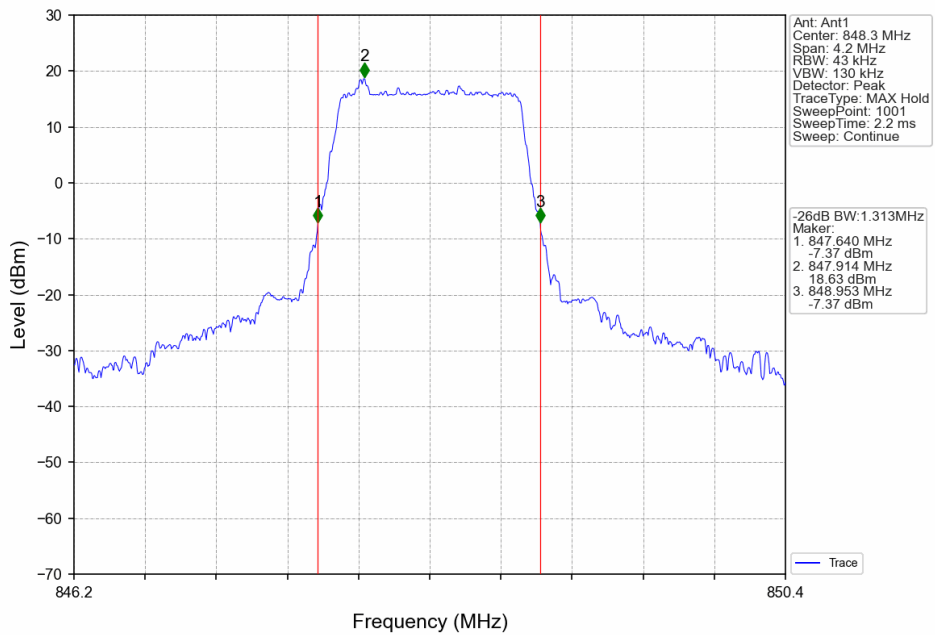
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



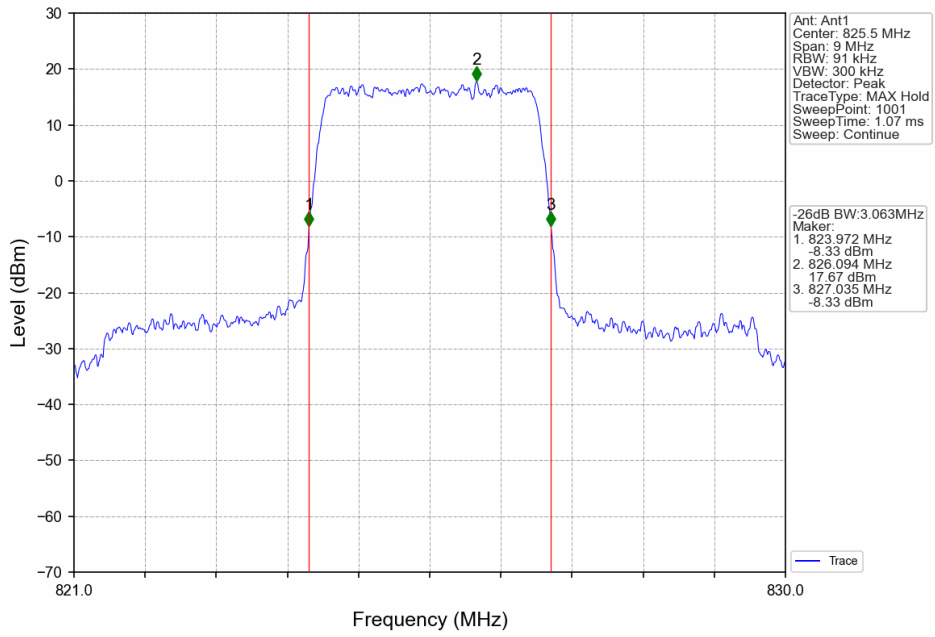
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



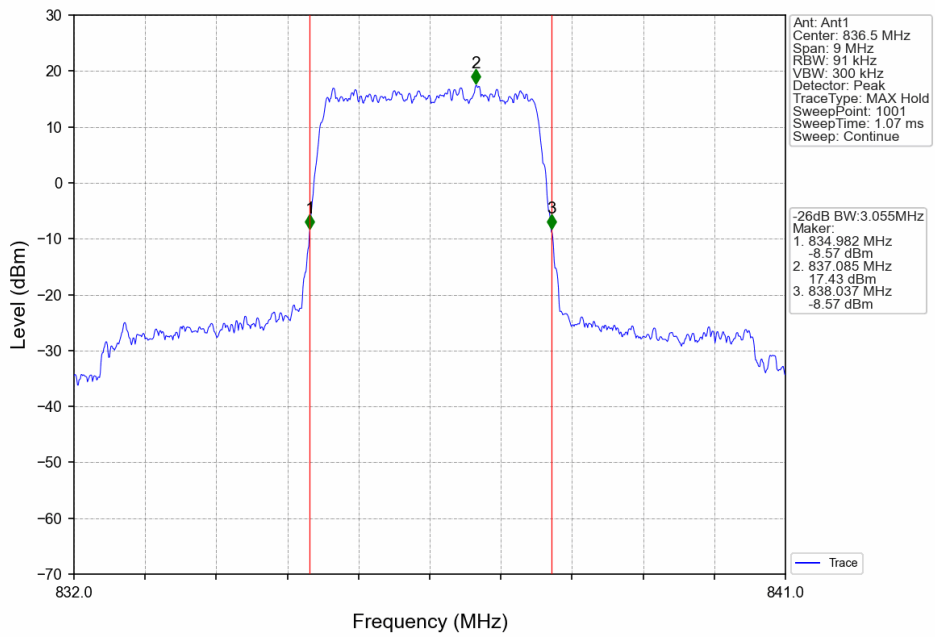
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



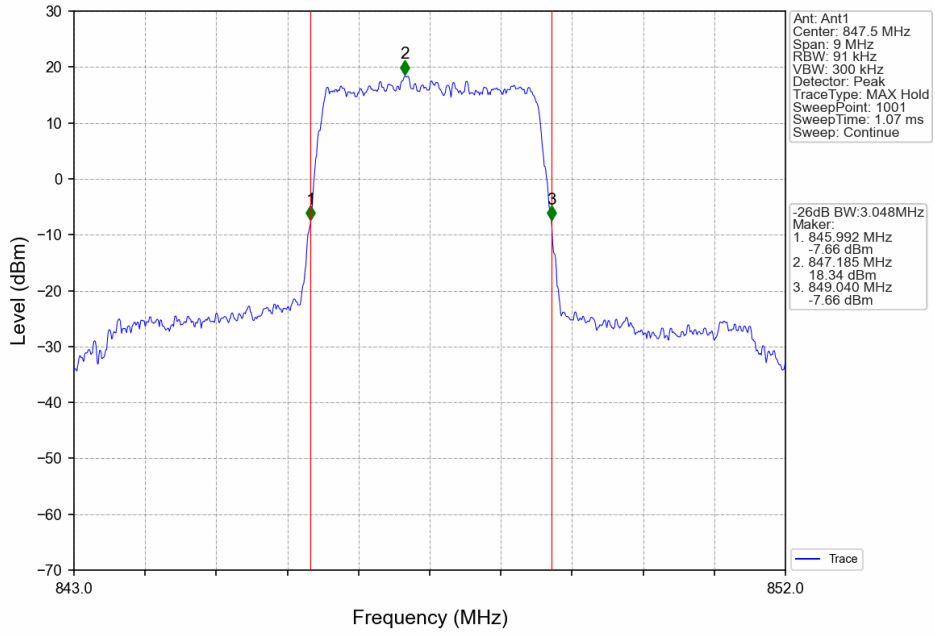
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



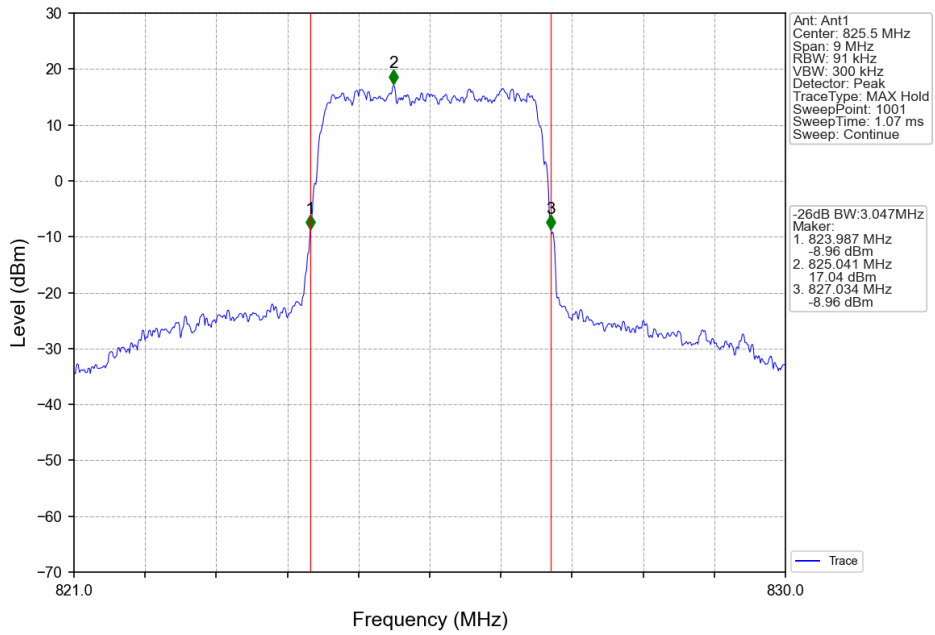
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



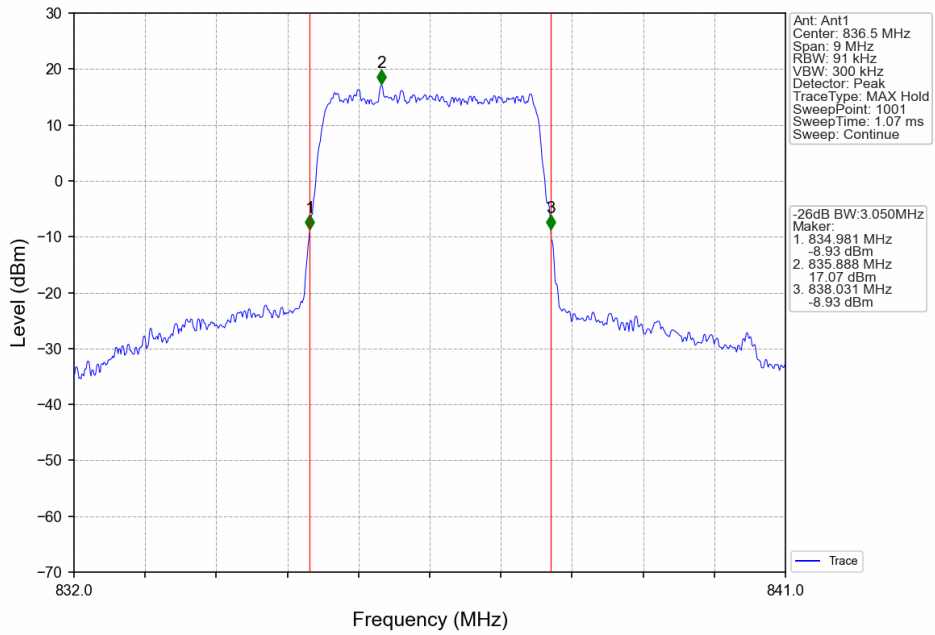
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



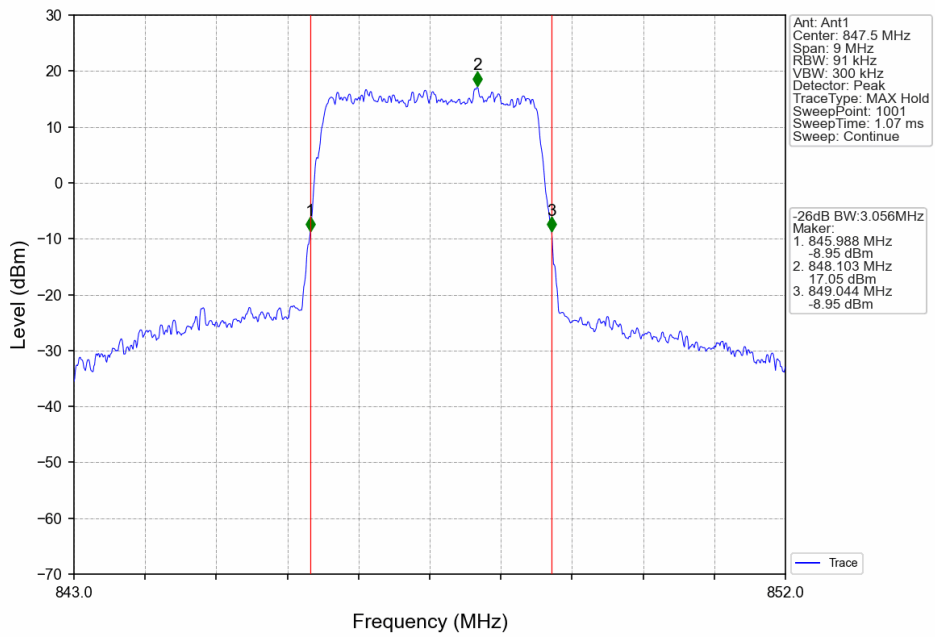
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



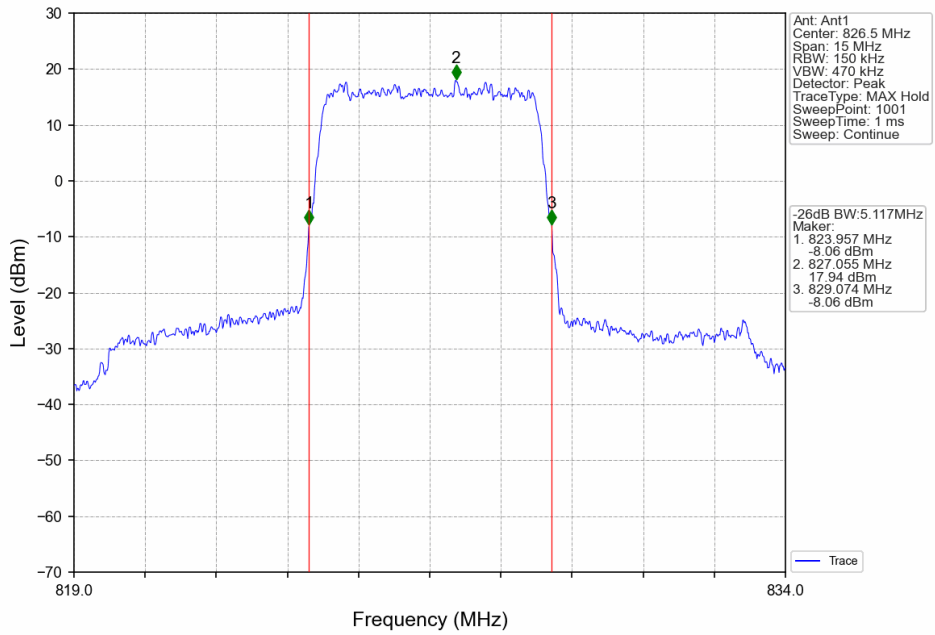
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



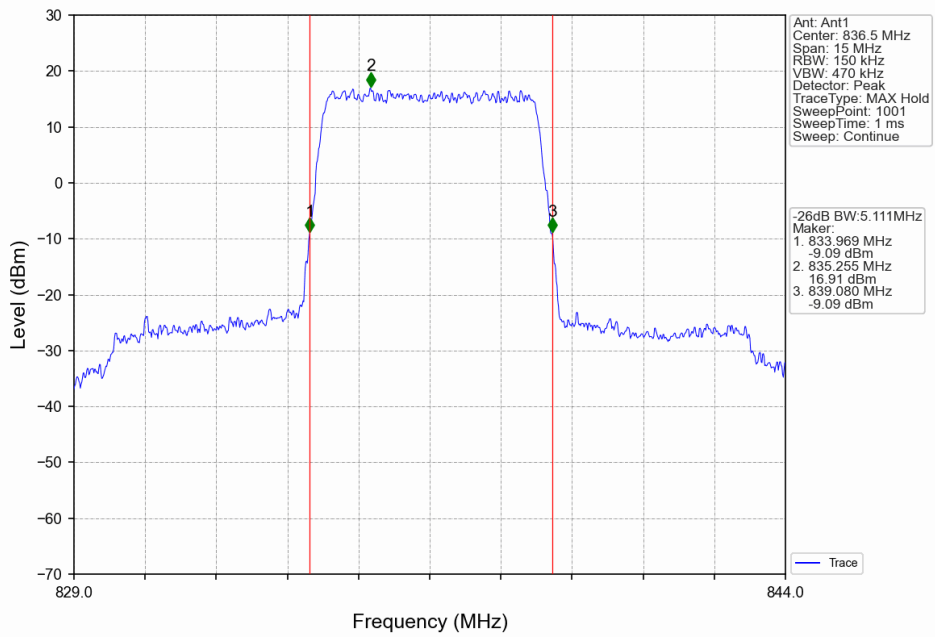
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



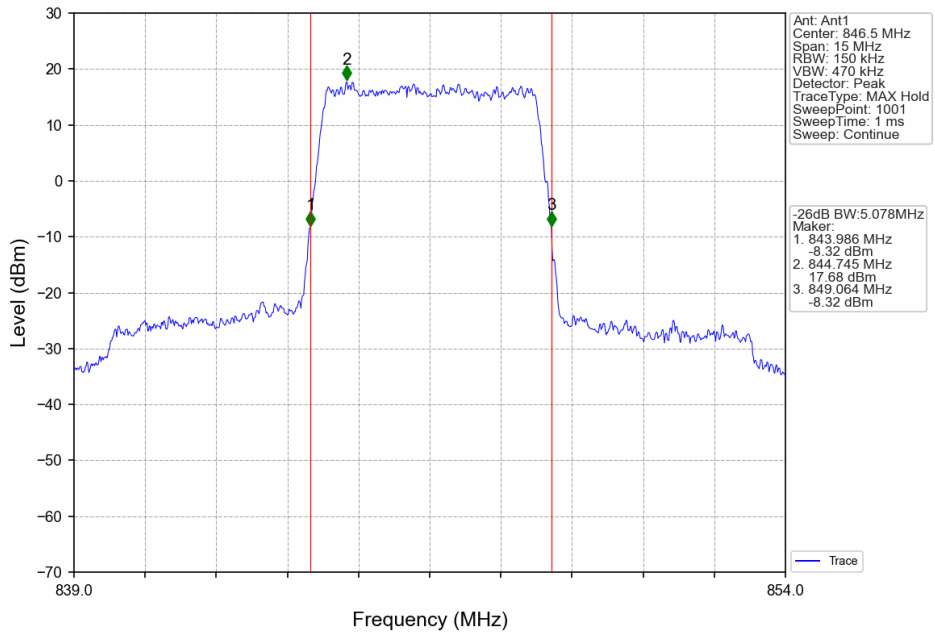
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



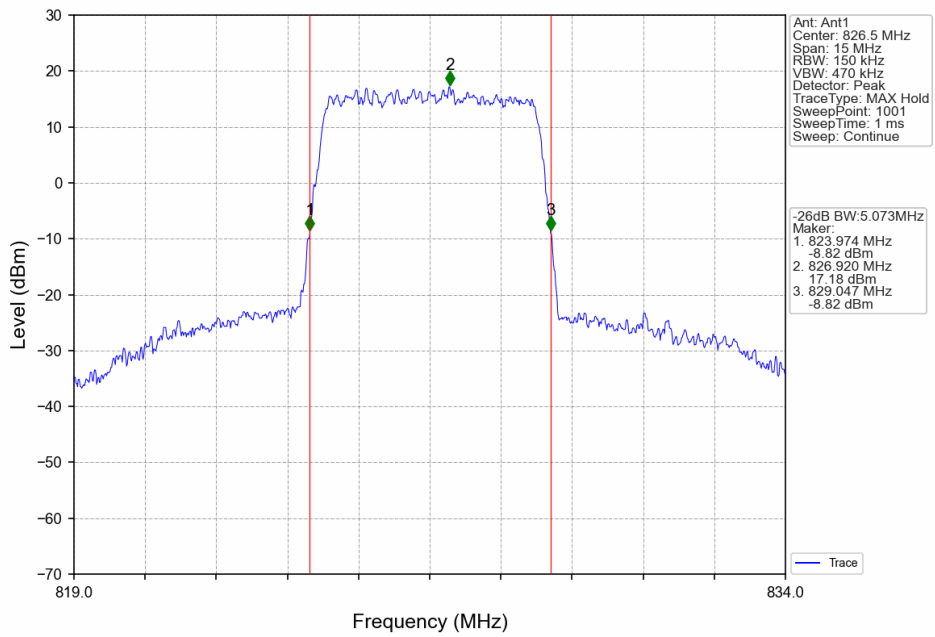
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



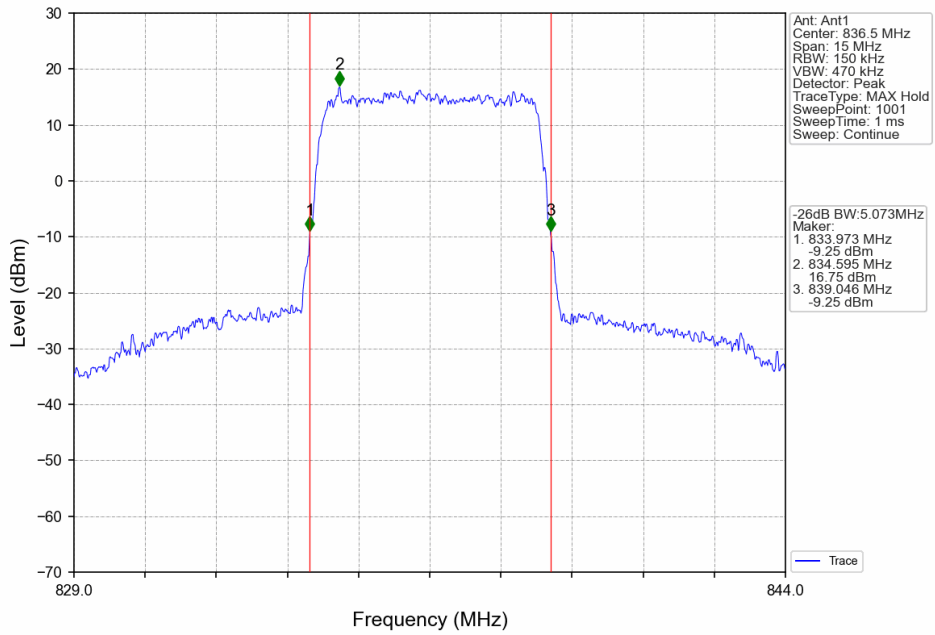
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



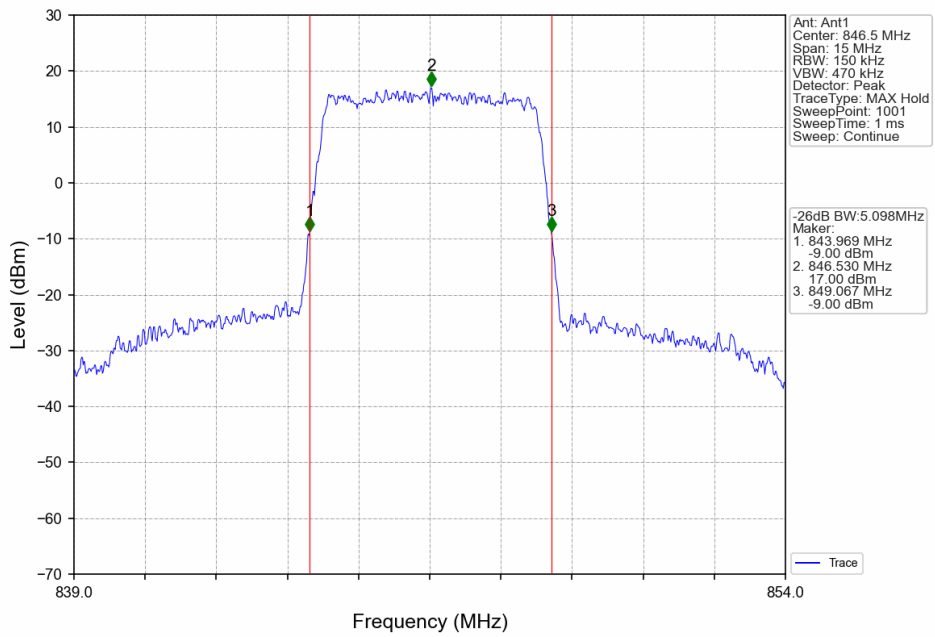
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



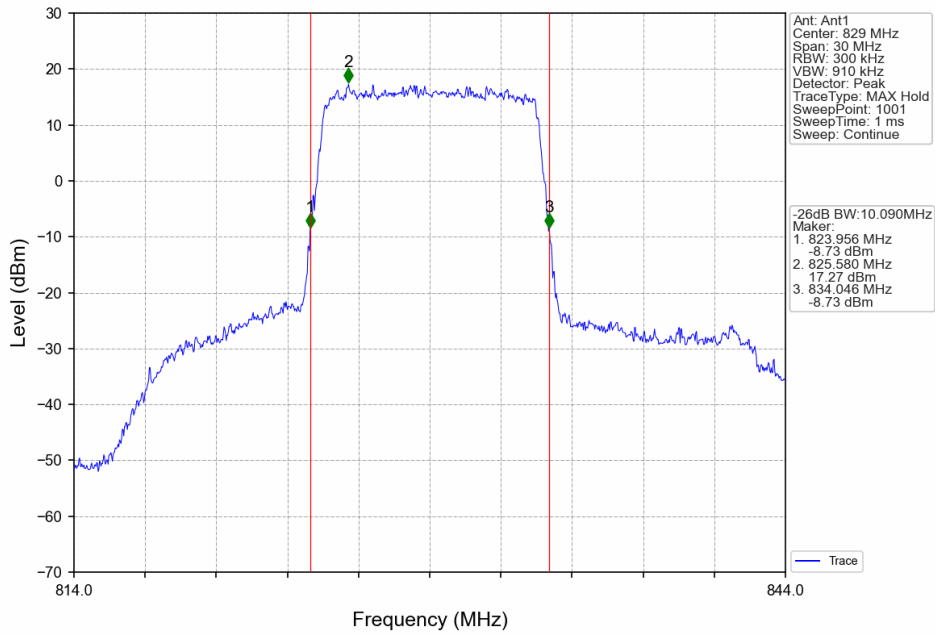
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



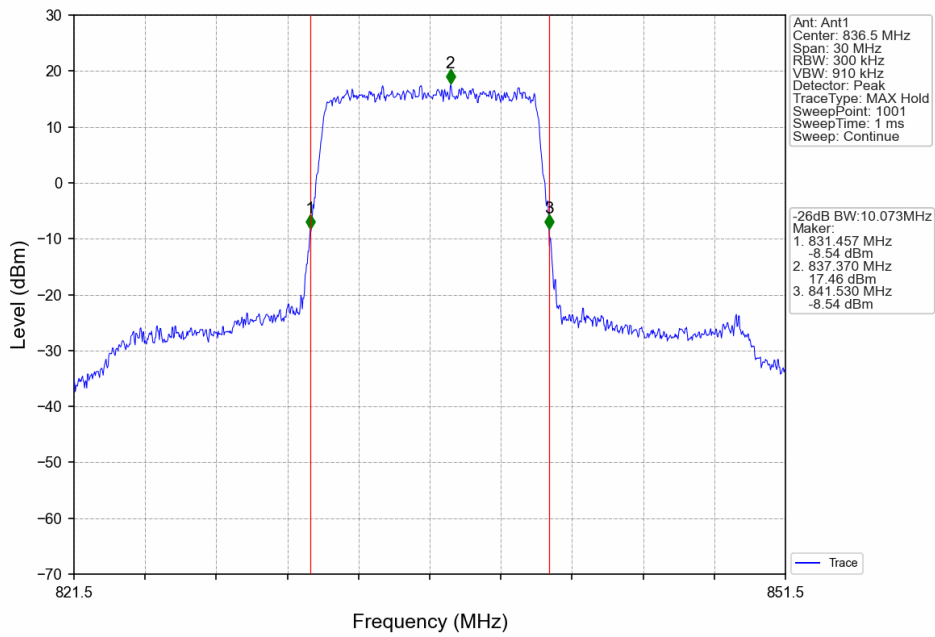
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



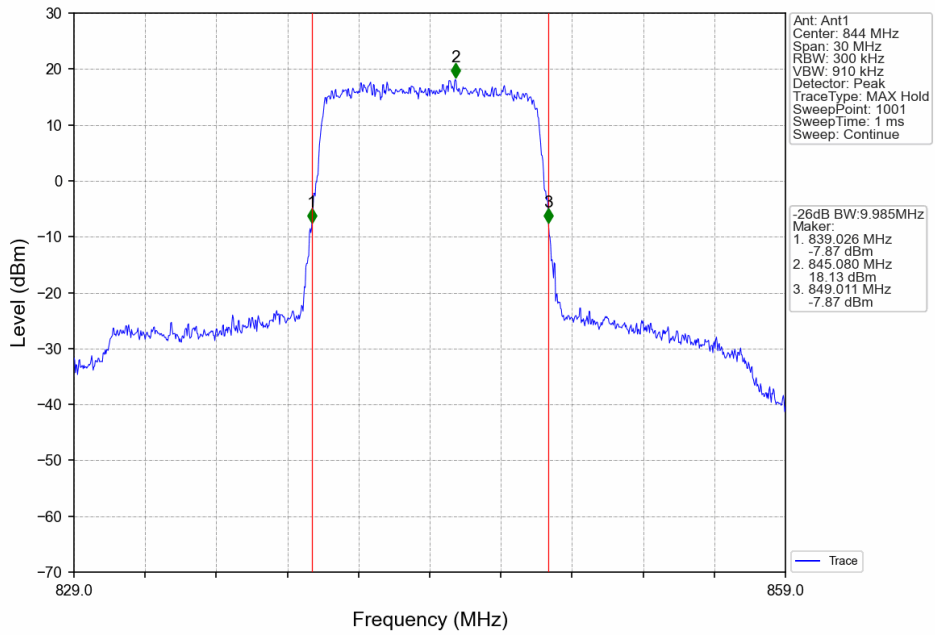
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



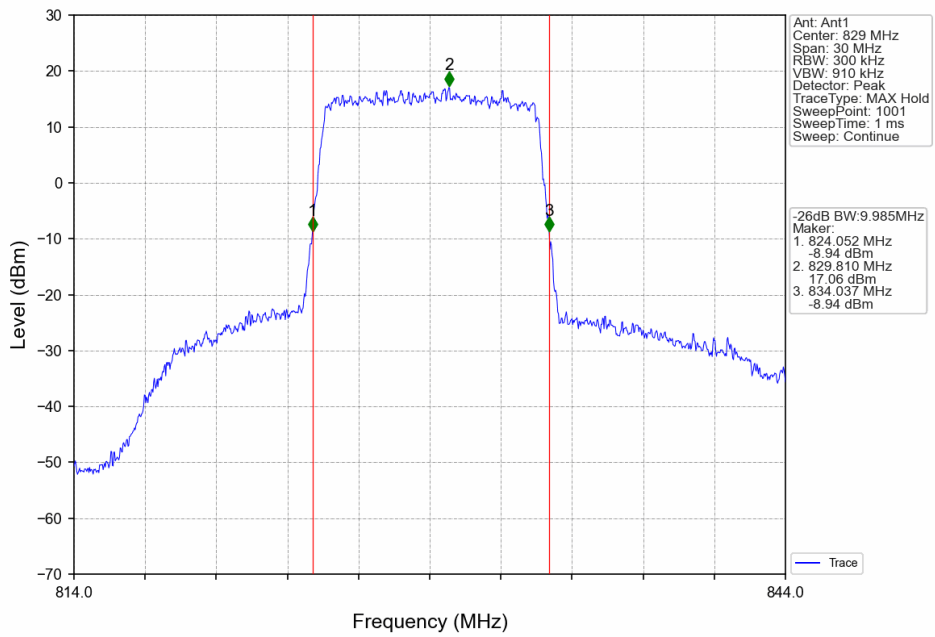
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



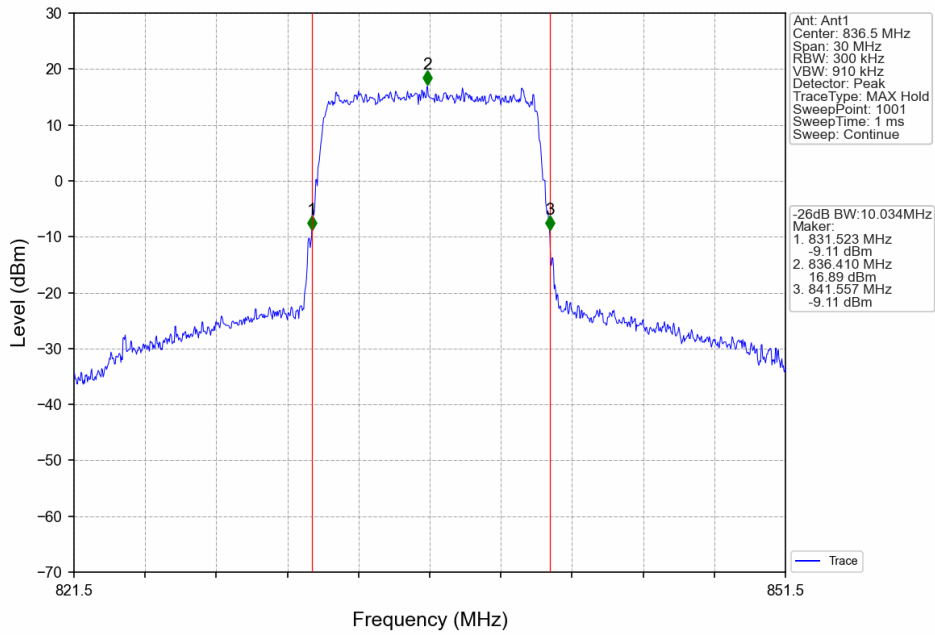
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



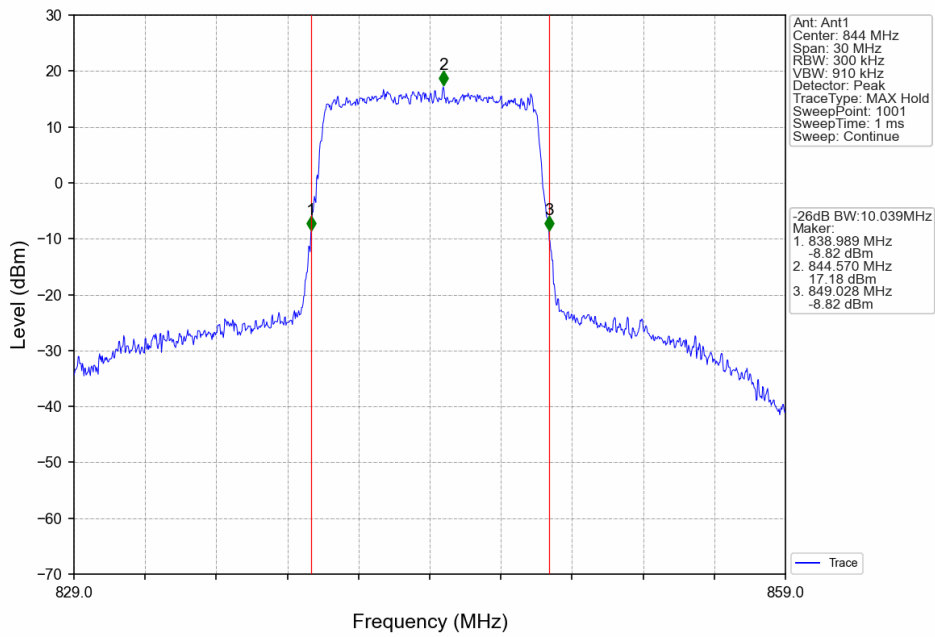
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



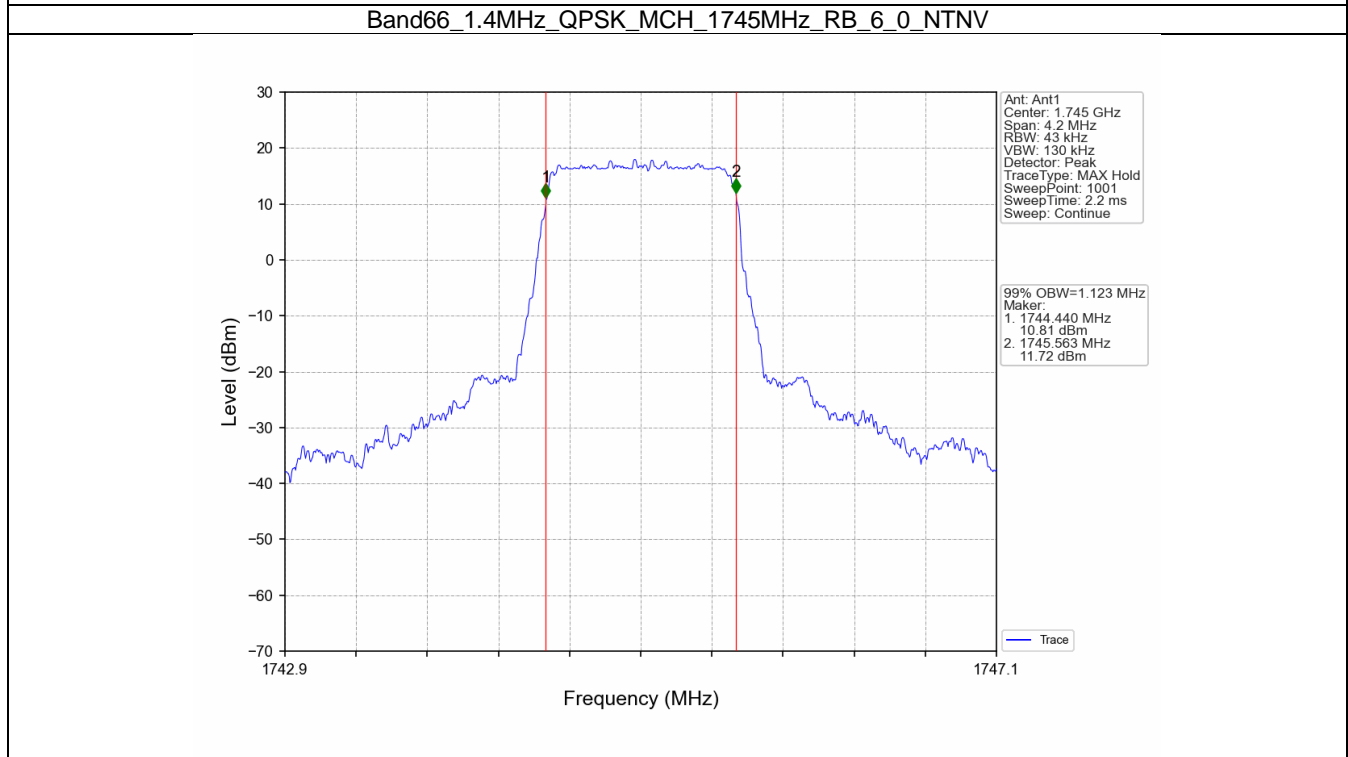
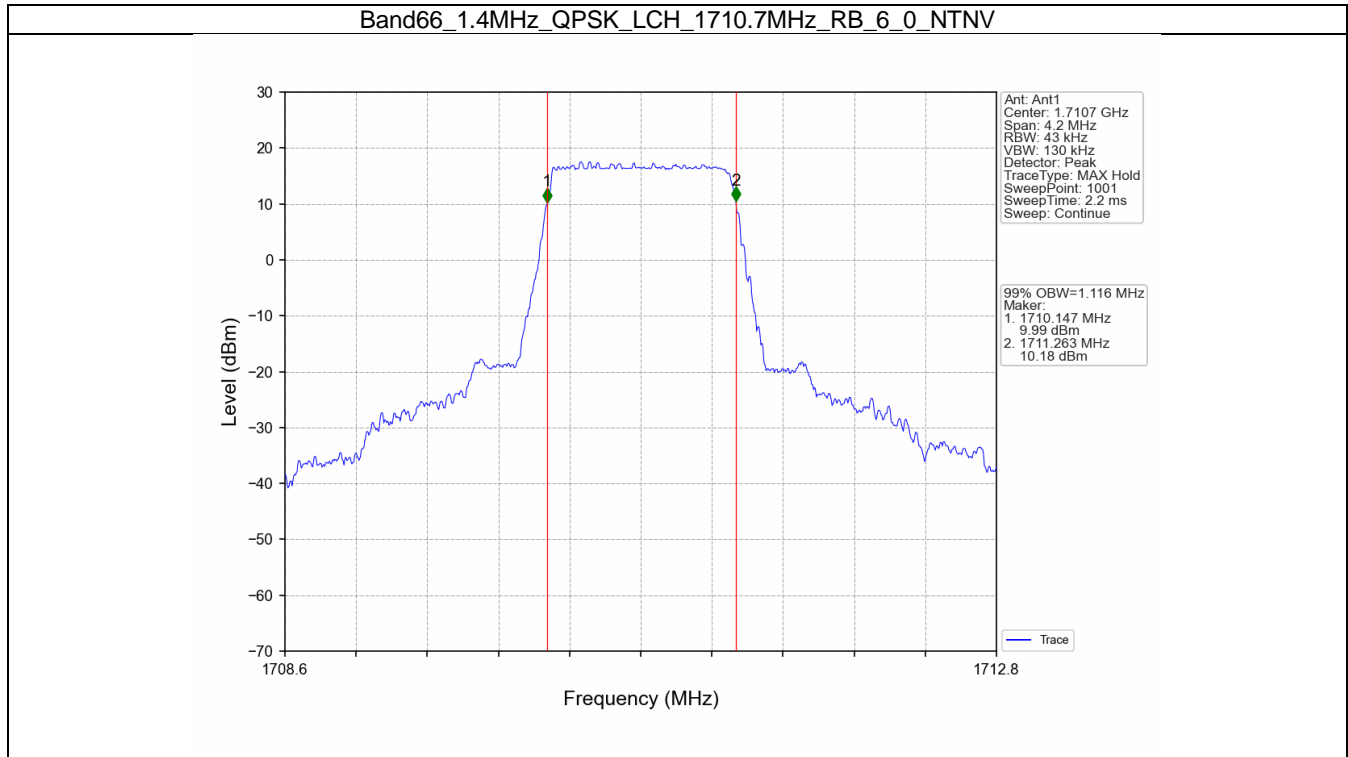
4. 99% & 26dB Bandwidth

4.1 Band66_OBW

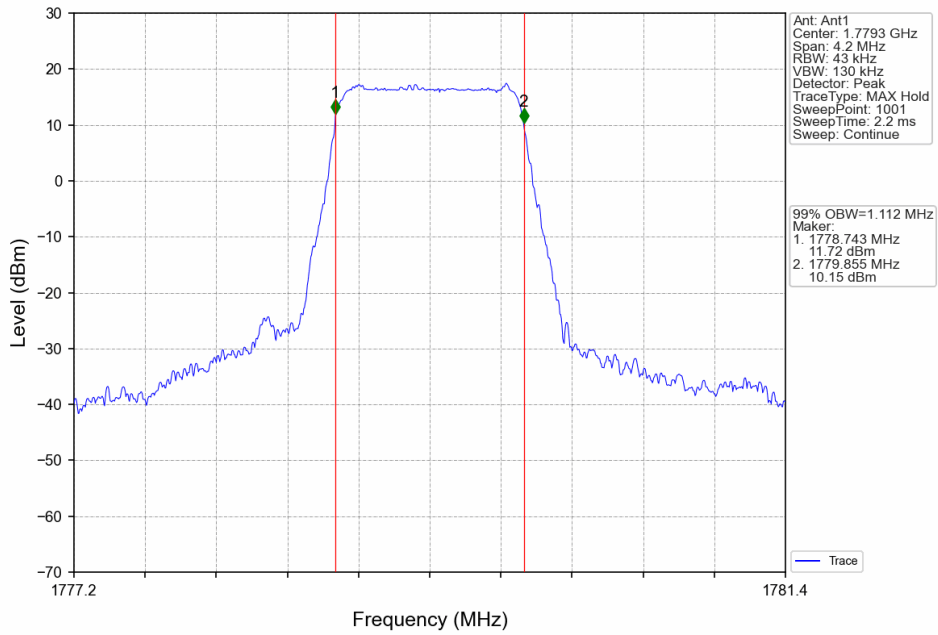
4.1.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.116	Pass
		1745	6	0	1.123	Pass
		1779.3	6	0	1.112	Pass
	16QAM	1710.7	6	0	1.111	Pass
		1745	6	0	1.115	Pass
		1779.3	6	0	1.115	Pass
3	QPSK	1711.5	15	0	2.742	Pass
		1745	15	0	2.740	Pass
		1778.5	15	0	2.737	Pass
	16QAM	1711.5	15	0	2.738	Pass
		1745	15	0	2.737	Pass
		1778.5	15	0	2.745	Pass
5	QPSK	1712.5	25	0	4.568	Pass
		1745	25	0	4.552	Pass
		1777.5	25	0	4.551	Pass
	16QAM	1712.5	25	0	4.551	Pass
		1745	25	0	4.572	Pass
		1777.5	25	0	4.571	Pass
10	QPSK	1715	50	0	9.050	Pass
		1745	50	0	8.995	Pass
		1775	50	0	9.020	Pass
	16QAM	1715	50	0	9.046	Pass
		1745	50	0	9.026	Pass
		1775	50	0	9.026	Pass
15	QPSK	1717.5	75	0	13.537	Pass
		1745	75	0	13.497	Pass
		1772.5	75	0	13.528	Pass
	16QAM	1717.5	75	0	13.530	Pass
		1745	75	0	13.530	Pass
		1772.5	75	0	13.526	Pass
20	QPSK	1720	100	0	18.006	Pass
		1745	100	0	18.012	Pass
		1770	100	0	18.023	Pass
	16QAM	1720	100	0	17.970	Pass
		1745	100	0	17.988	Pass
		1770	100	0	18.020	Pass

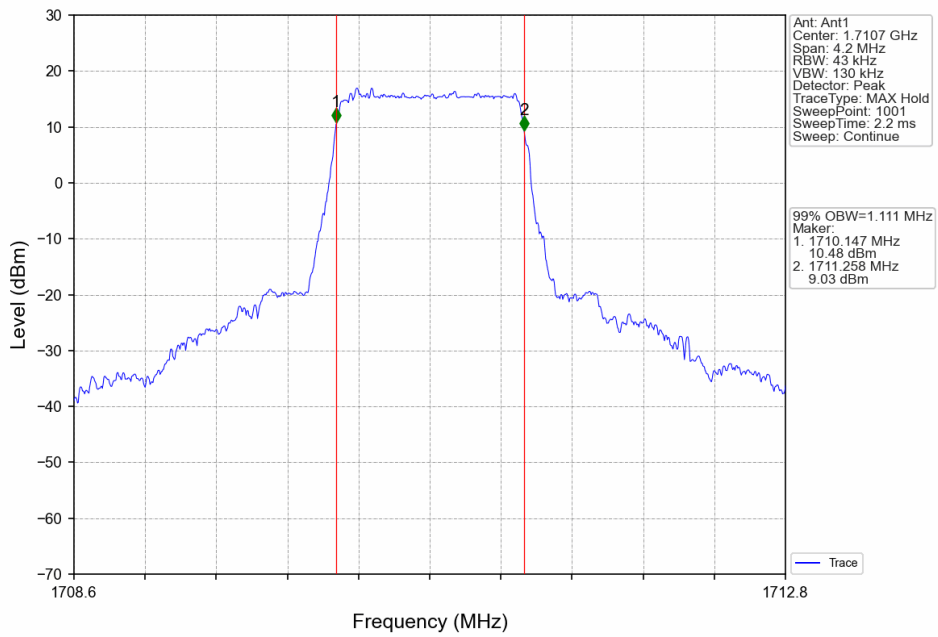
4.1.2 Test Graph



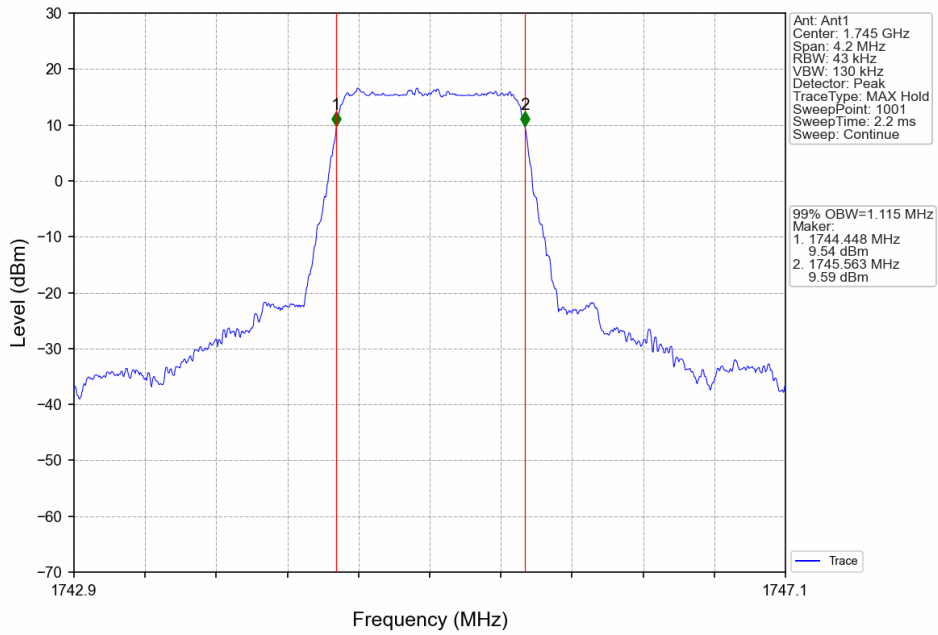
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

