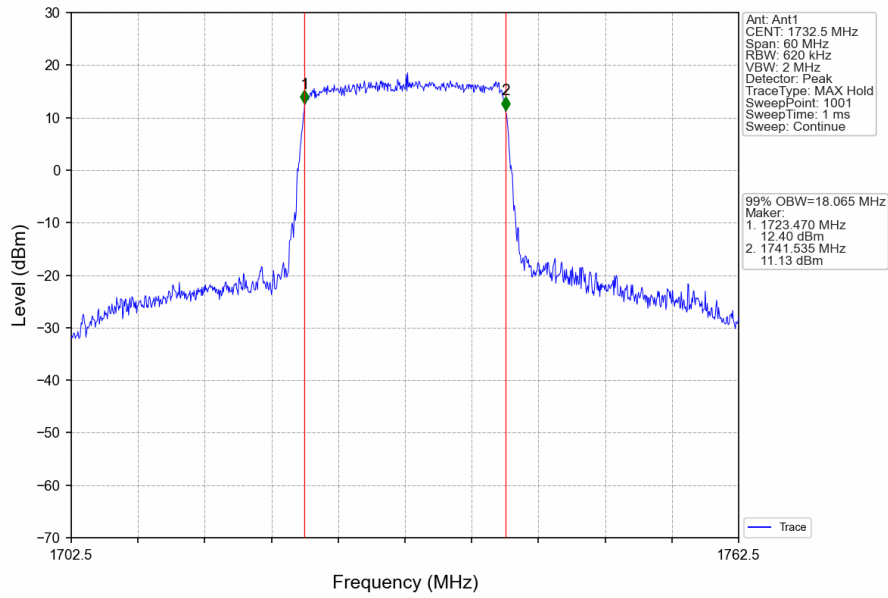
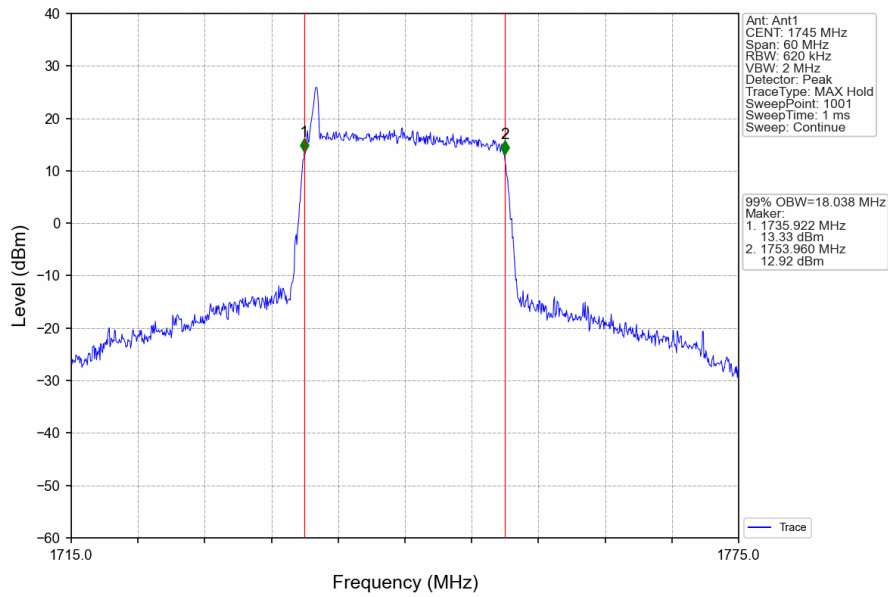


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

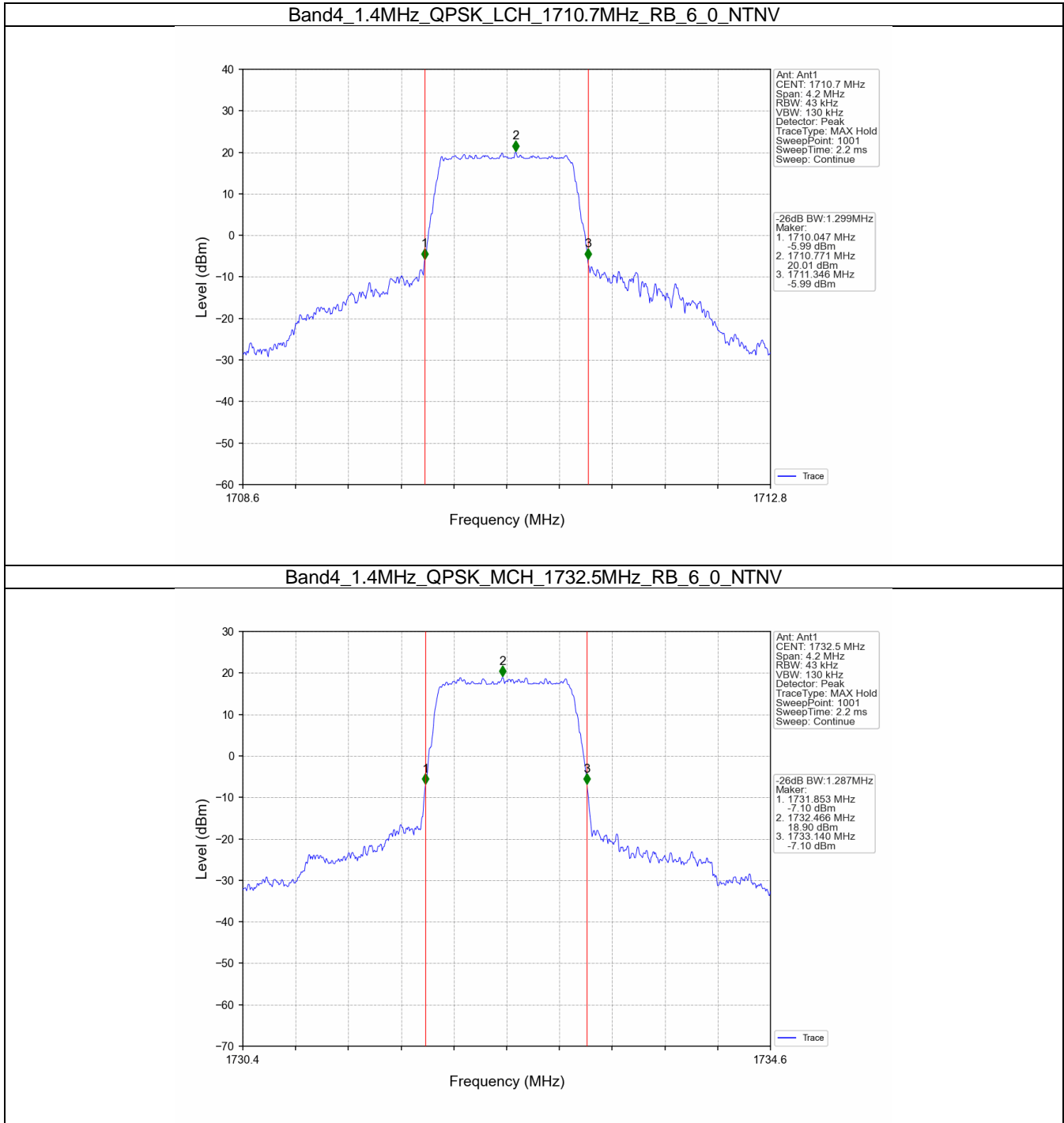


2.2 Band4_XDB

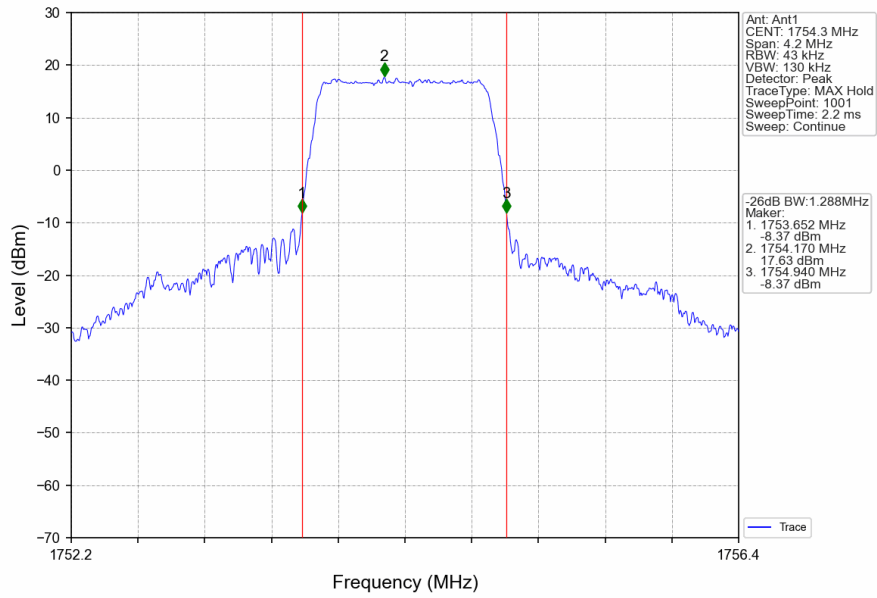
2.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.299	Pass
		1732.5	6	0	1.287	Pass
		1754.3	6	0	1.288	Pass
	16QAM	1710.7	6	0	1.293	Pass
		1732.5	6	0	1.290	Pass
		1754.3	6	0	1.298	Pass
3	QPSK	1711.5	15	0	3.001	Pass
		1732.5	15	0	2.996	Pass
		1753.5	15	0	2.989	Pass
	16QAM	1711.5	15	0	2.991	Pass
		1732.5	15	0	3.001	Pass
		1753.5	15	0	2.990	Pass
5	QPSK	1712.5	25	0	4.970	Pass
		1732.5	25	0	4.947	Pass
		1752.5	25	0	4.949	Pass
	16QAM	1712.5	25	0	4.922	Pass
		1732.5	25	0	4.976	Pass
		1752.5	25	0	4.983	Pass
10	QPSK	1715	50	0	9.856	Pass
		1732.5	50	0	9.836	Pass
		1750	50	0	9.802	Pass
	16QAM	1715	50	0	9.845	Pass
		1732.5	50	0	9.798	Pass
		1750	50	0	9.571	Pass
15	QPSK	1717.5	75	0	14.685	Pass
		1732.5	75	0	14.678	Pass
		1747.5	75	0	14.728	Pass
	16QAM	1717.5	75	0	14.759	Pass
		1732.5	75	0	14.786	Pass
		1747.5	75	0	14.734	Pass
20	QPSK	1720	100	0	19.053	Pass
		1732.5	100	0	19.814	Pass
		1745	100	0	19.888	Pass
	16QAM	1720	100	0	19.814	Pass
		1732.5	100	0	19.651	Pass
		1745	100	0	19.223	Pass

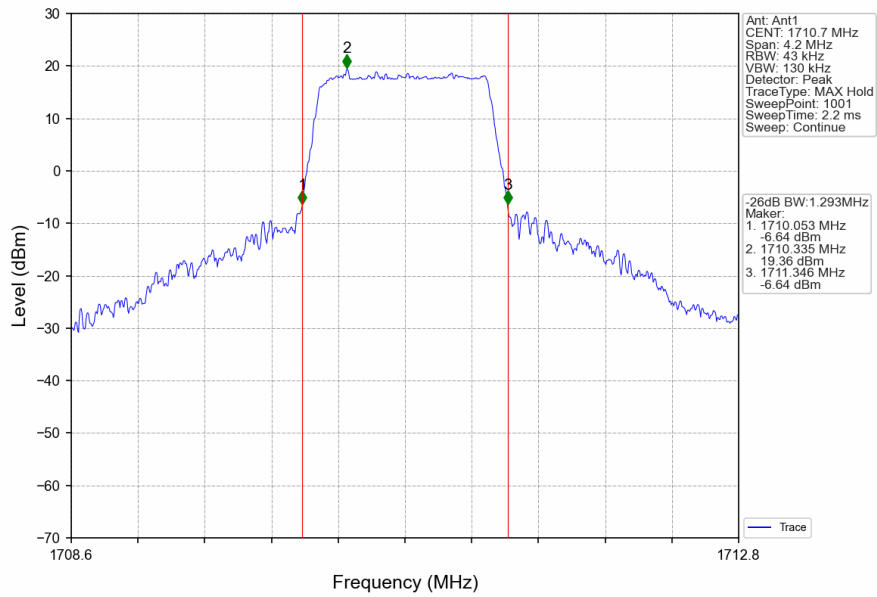
2.2.2 Test Graph



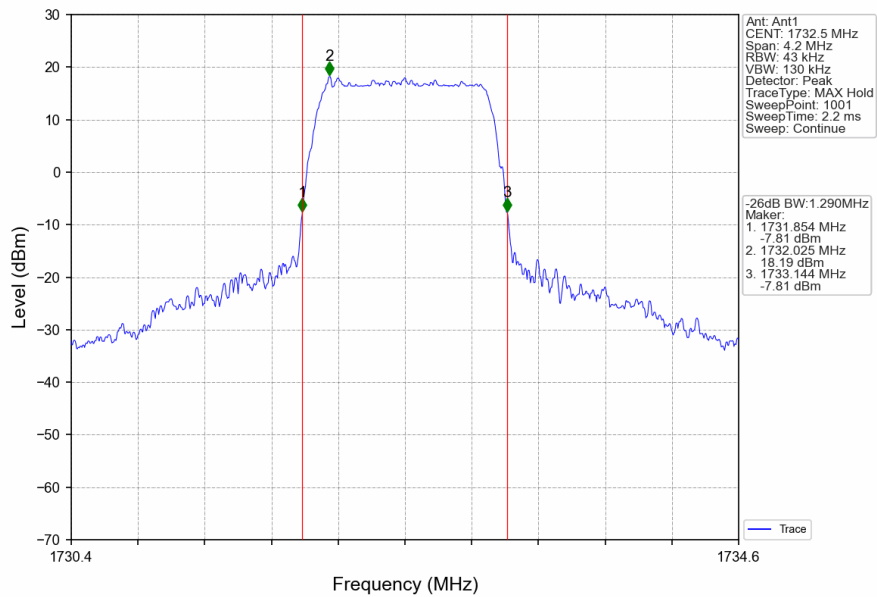
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



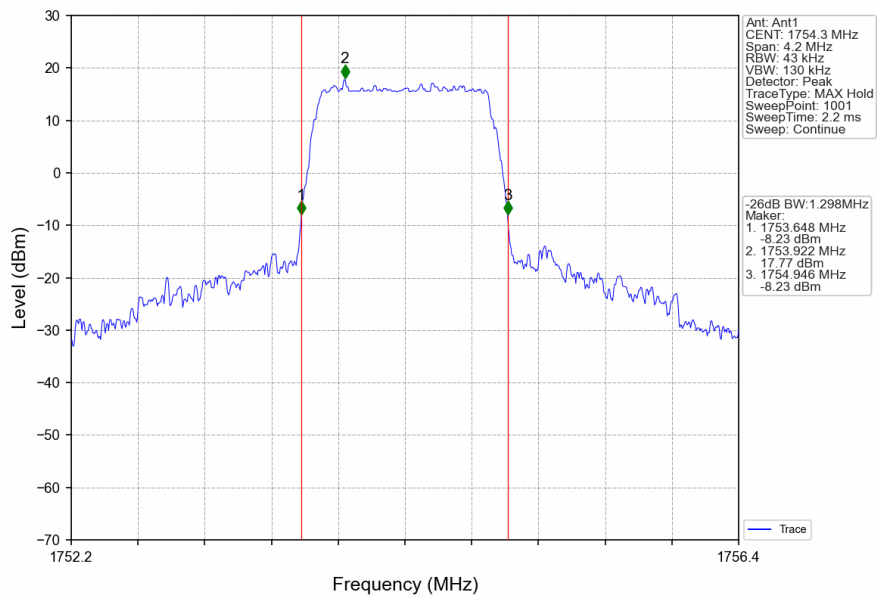
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



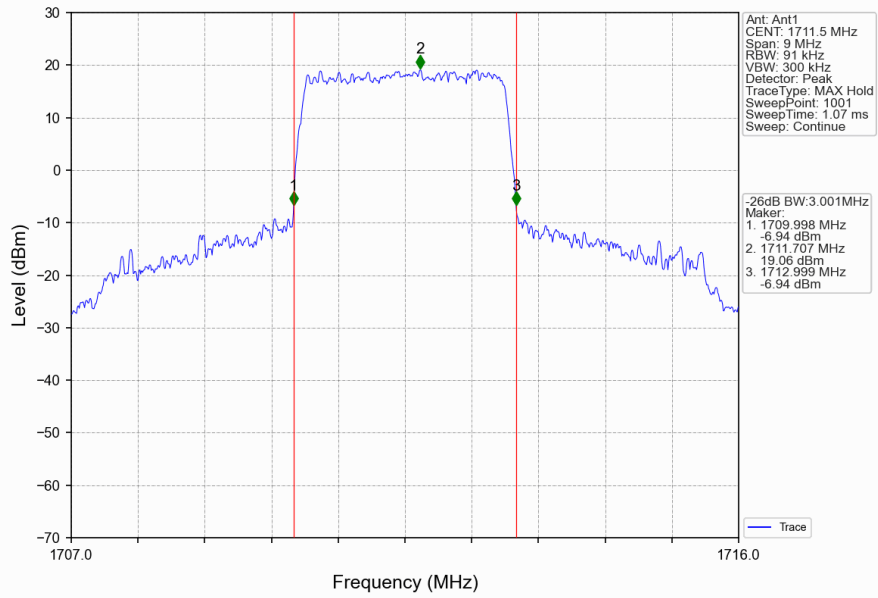
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



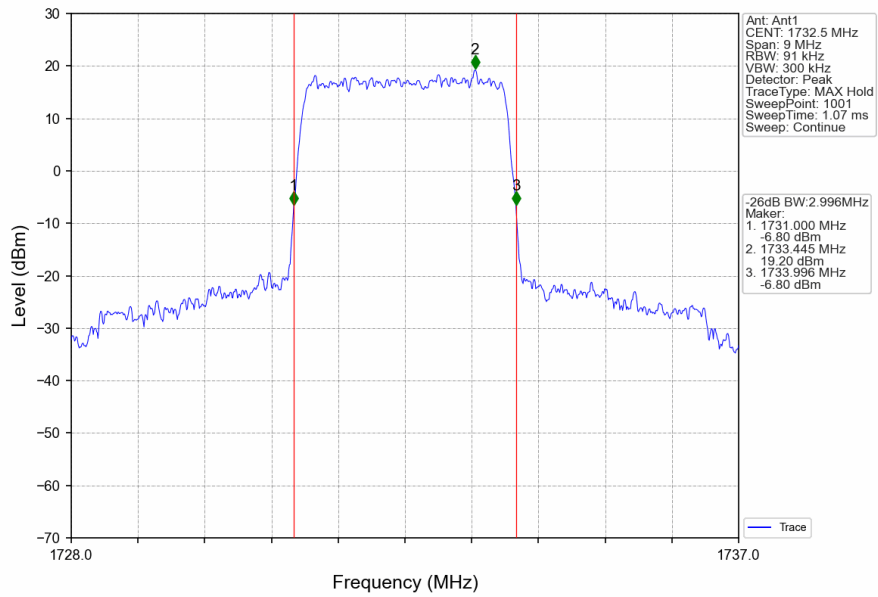
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



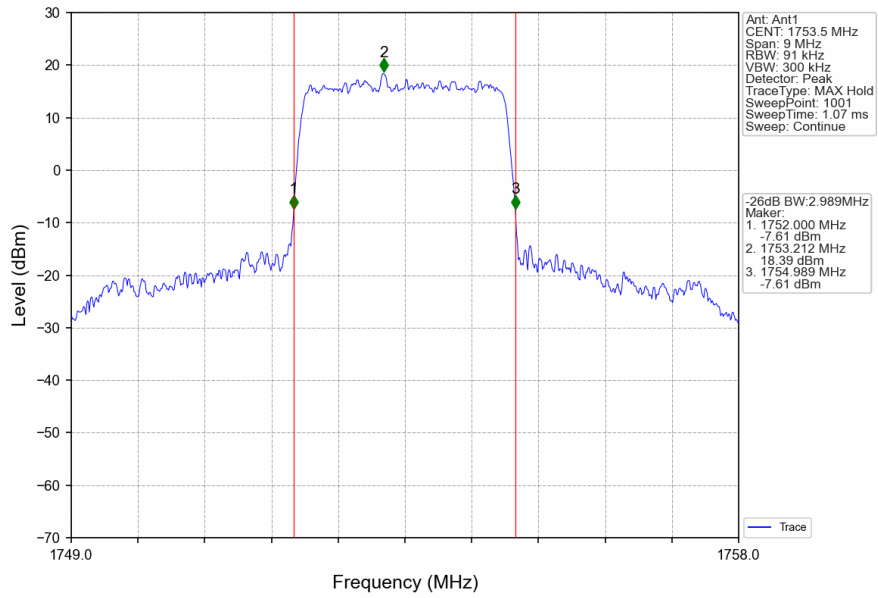
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



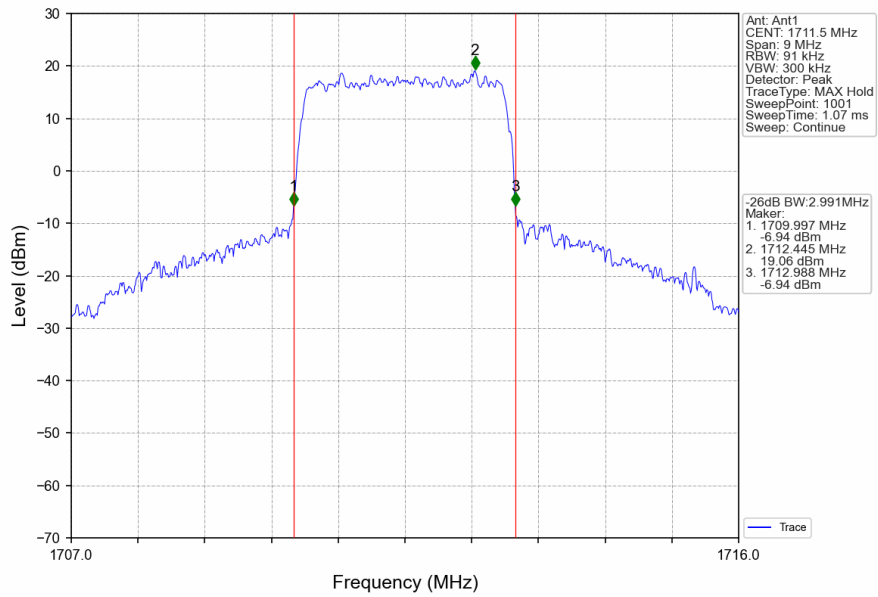
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



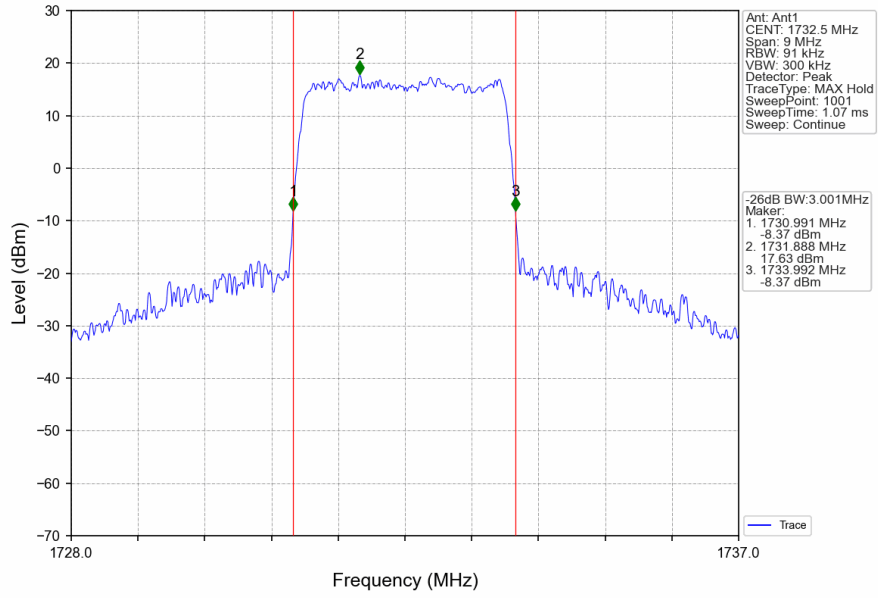
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



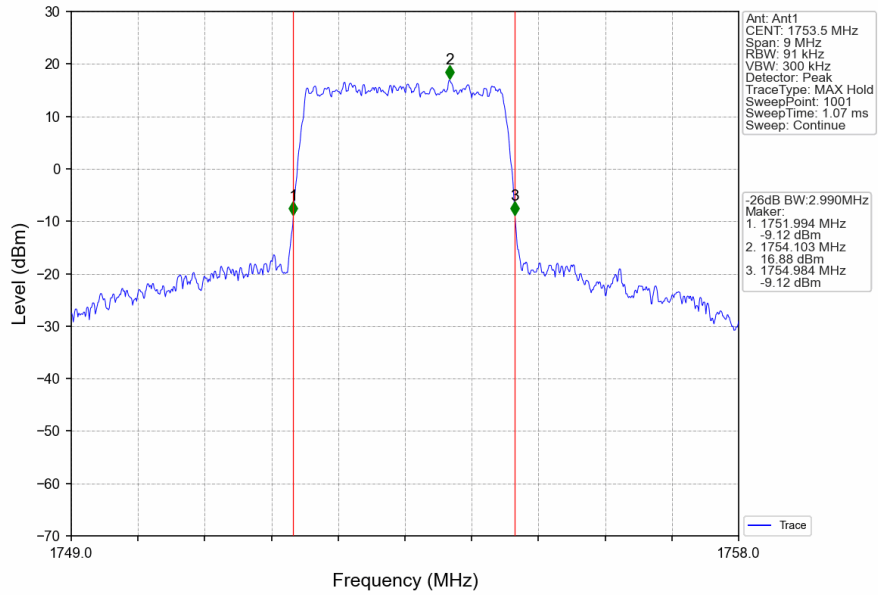
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



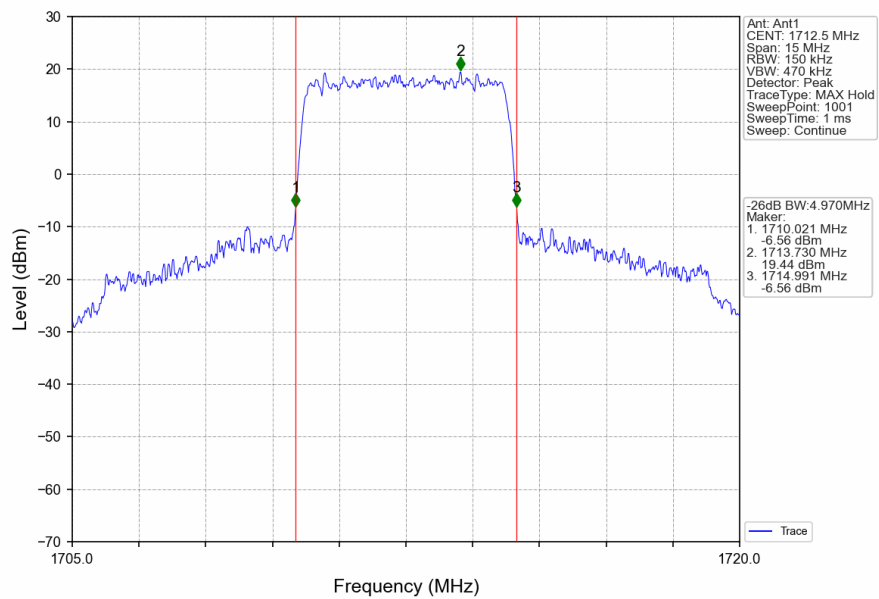
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



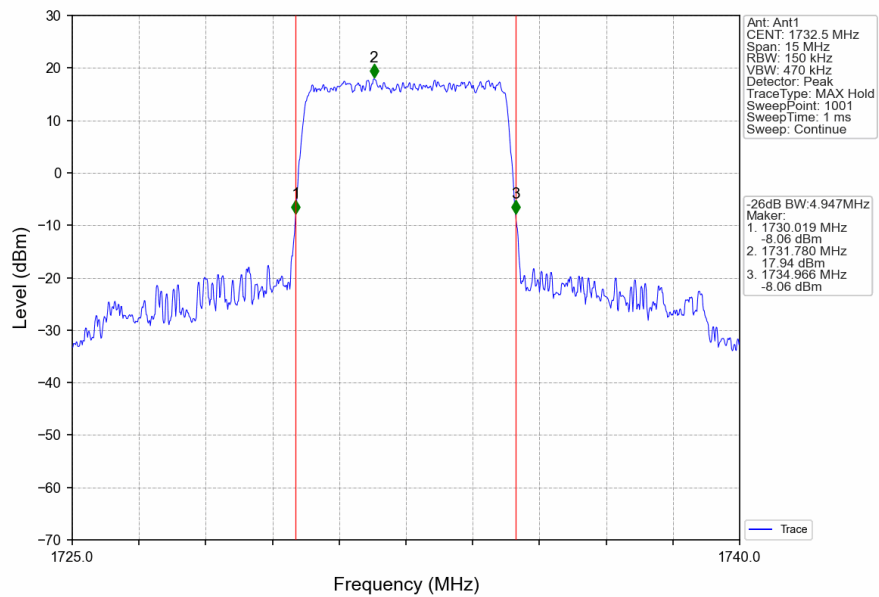
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



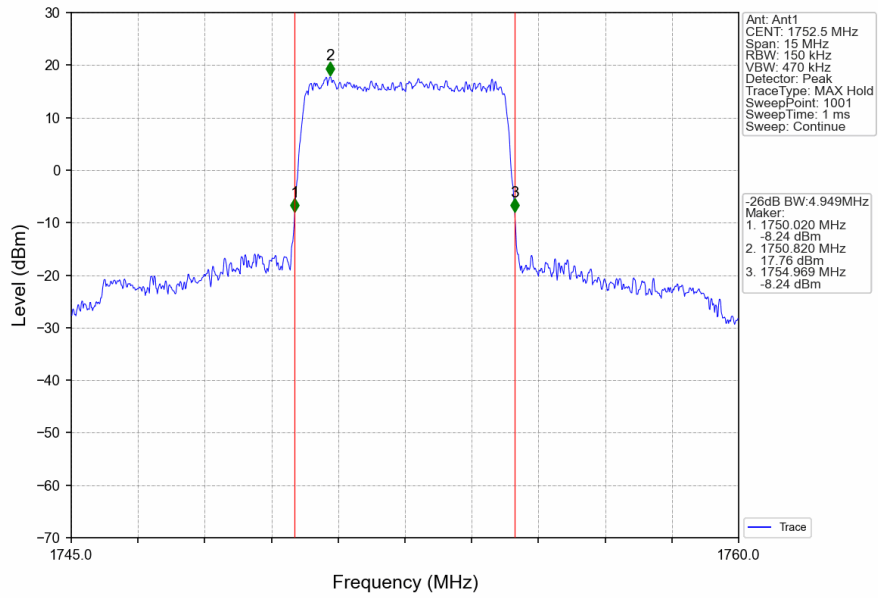
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



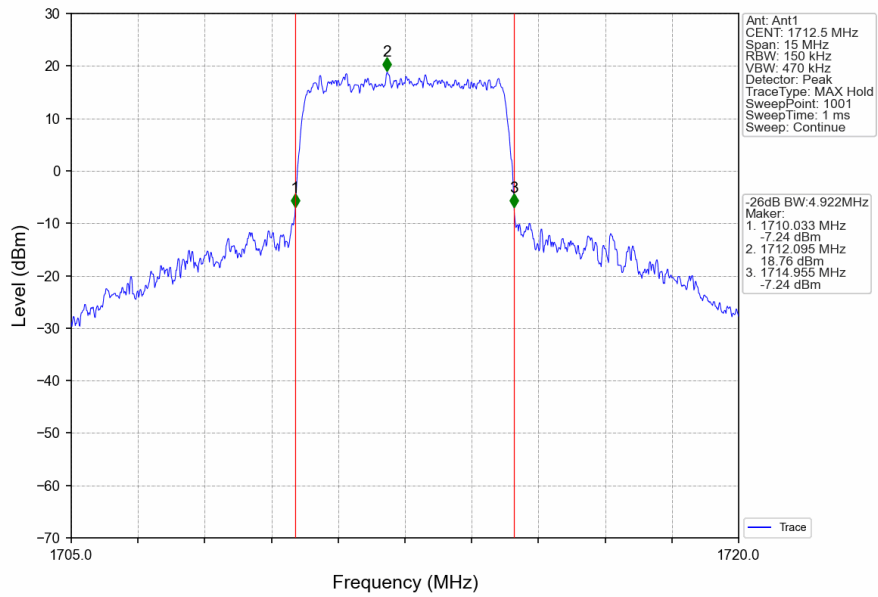
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



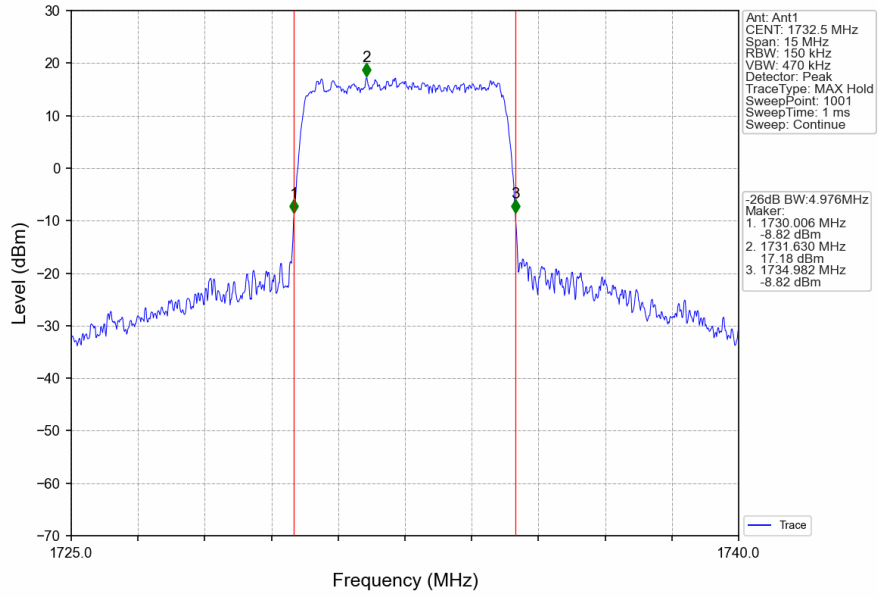
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



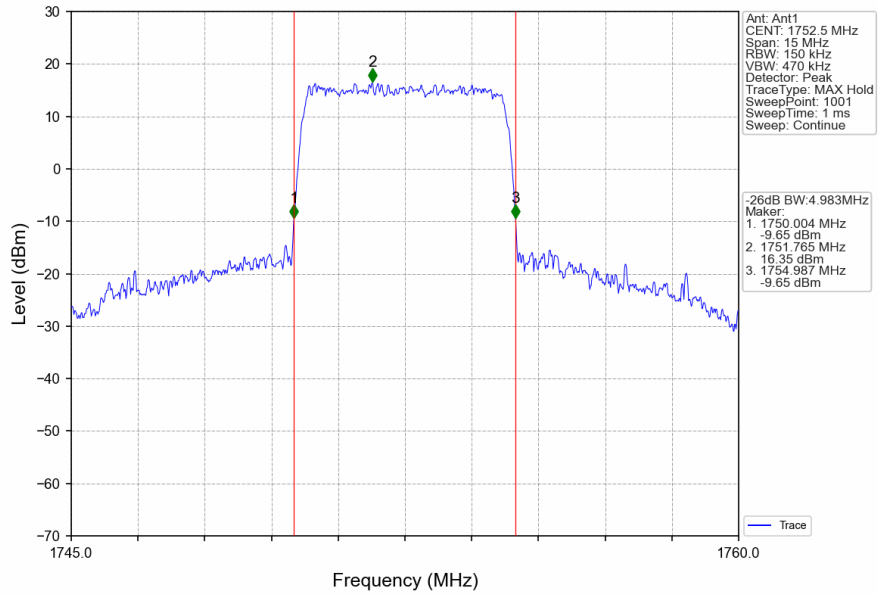
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



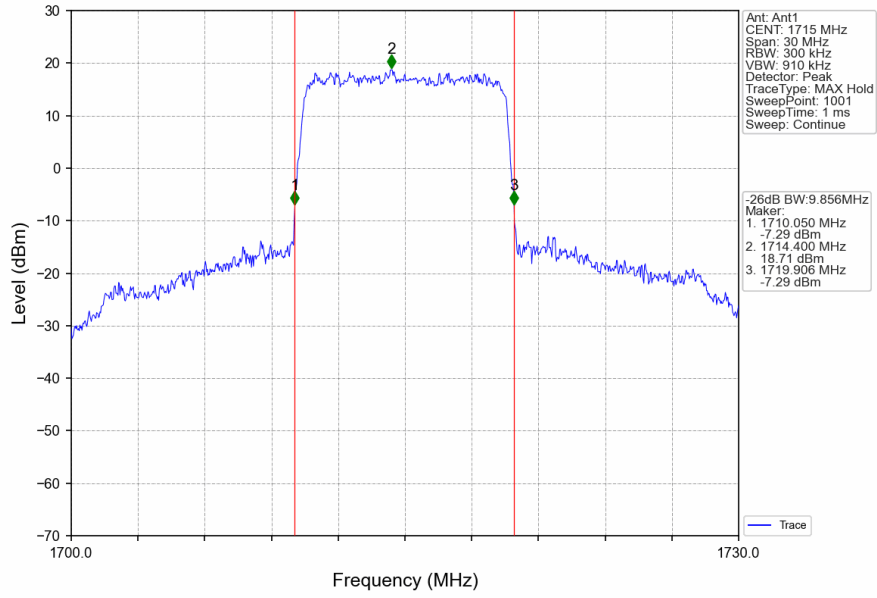
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



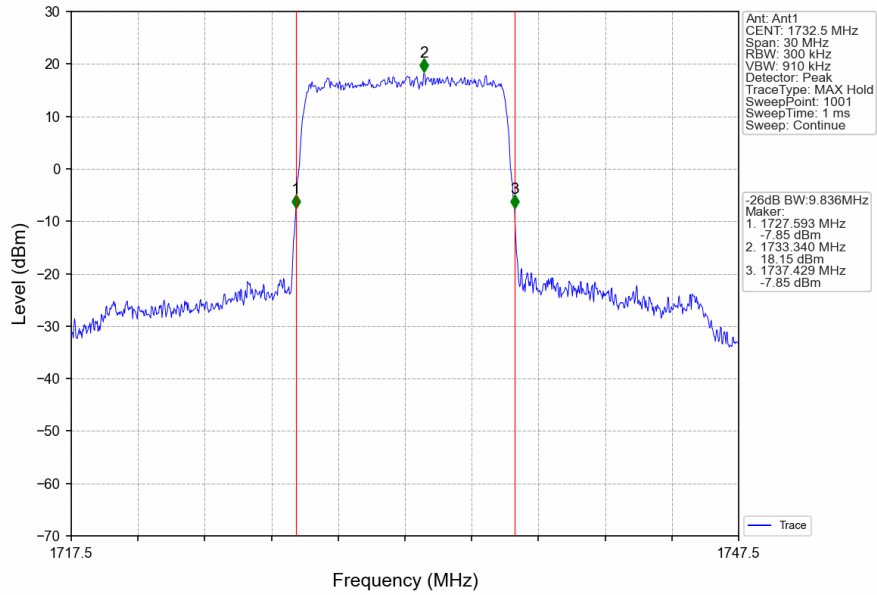
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



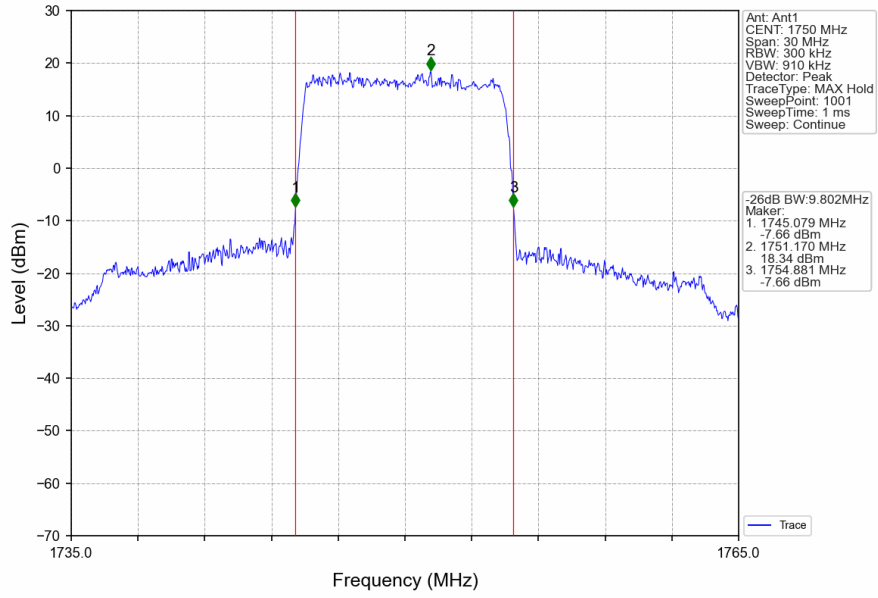
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



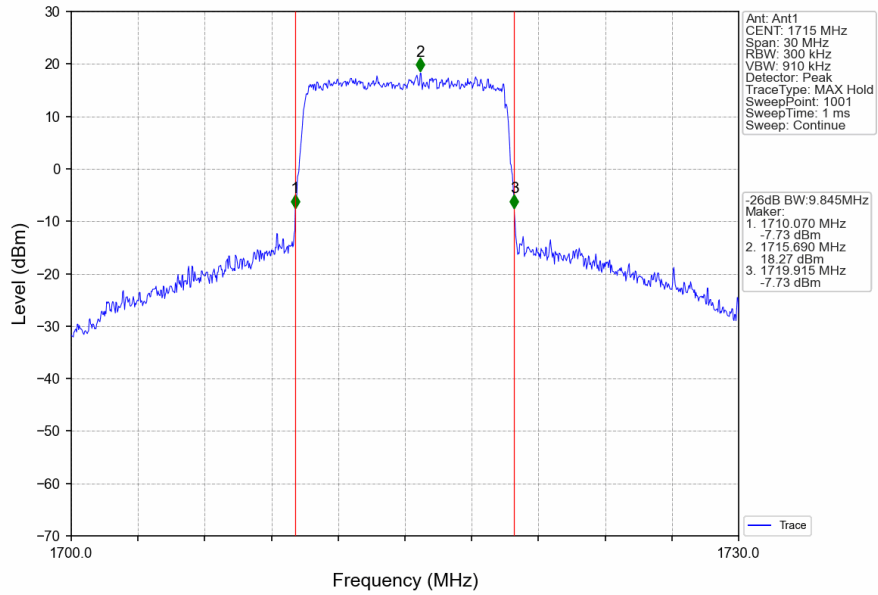
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



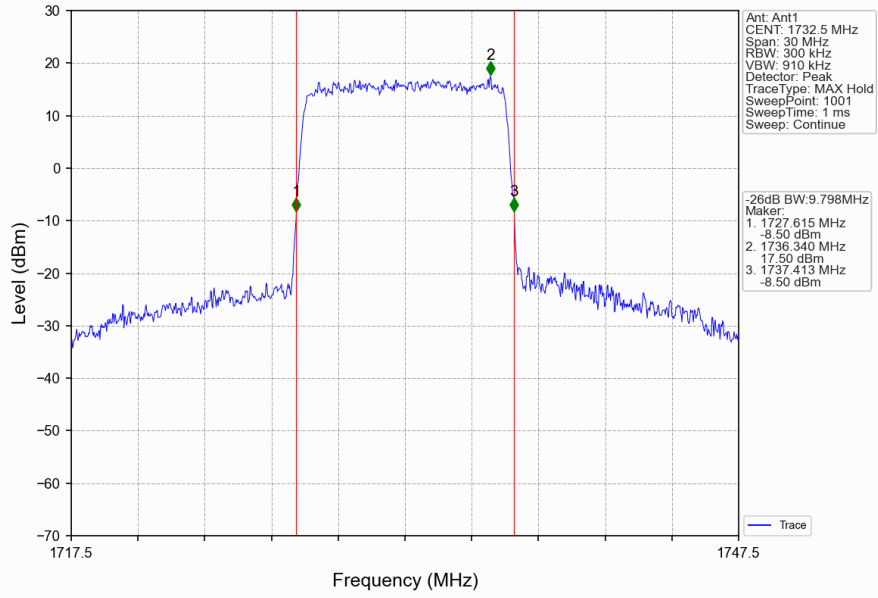
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



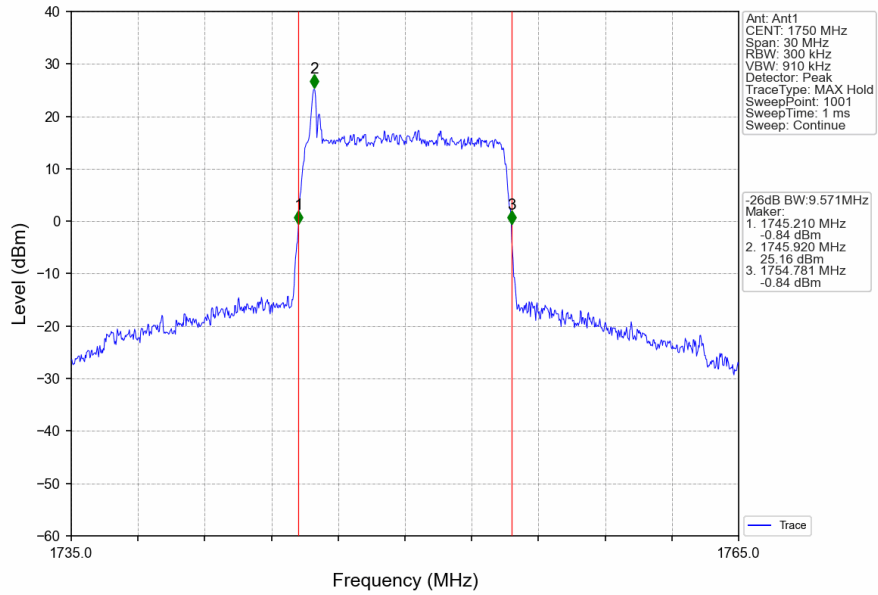
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



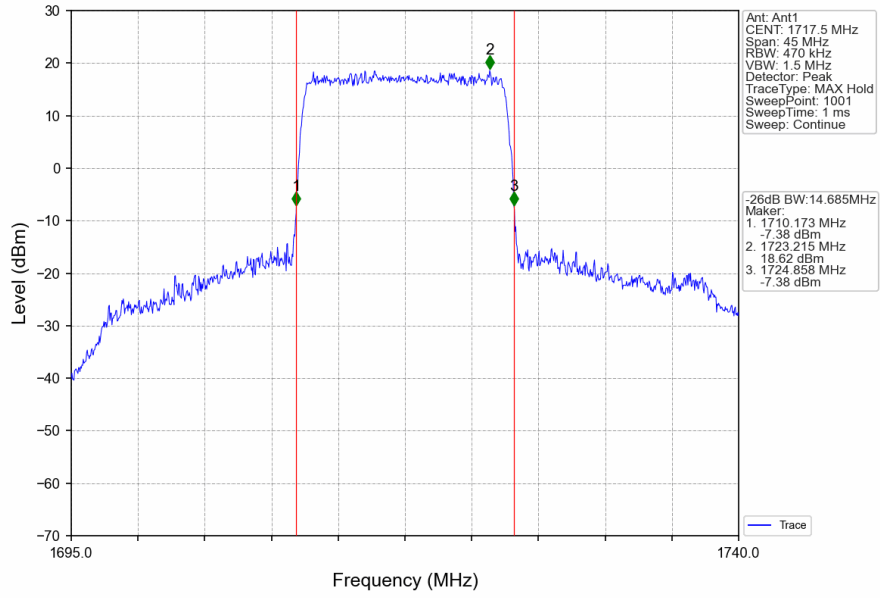
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



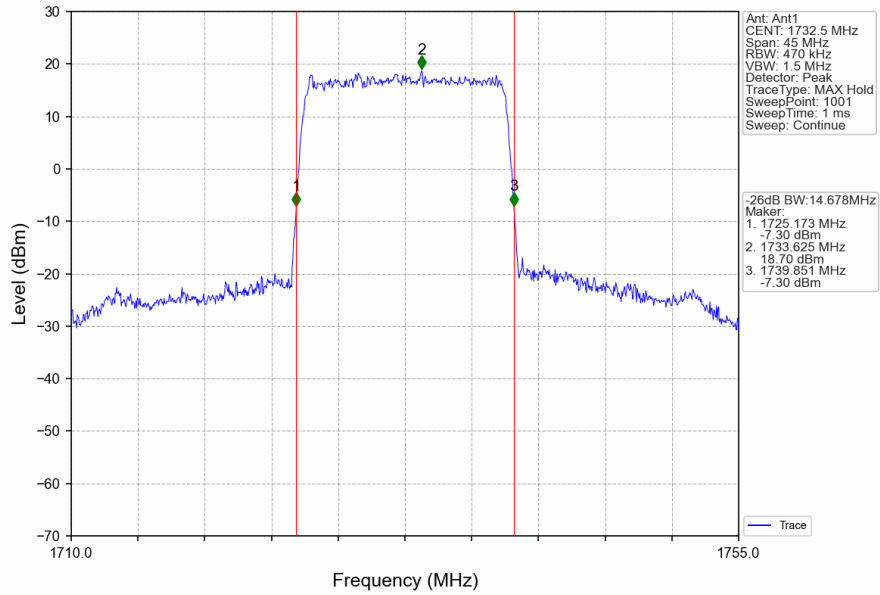
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



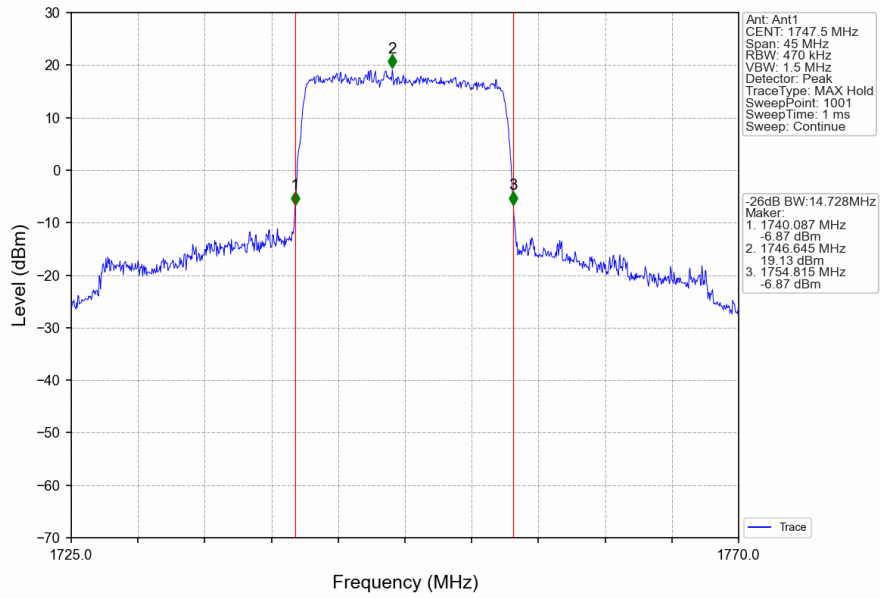
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



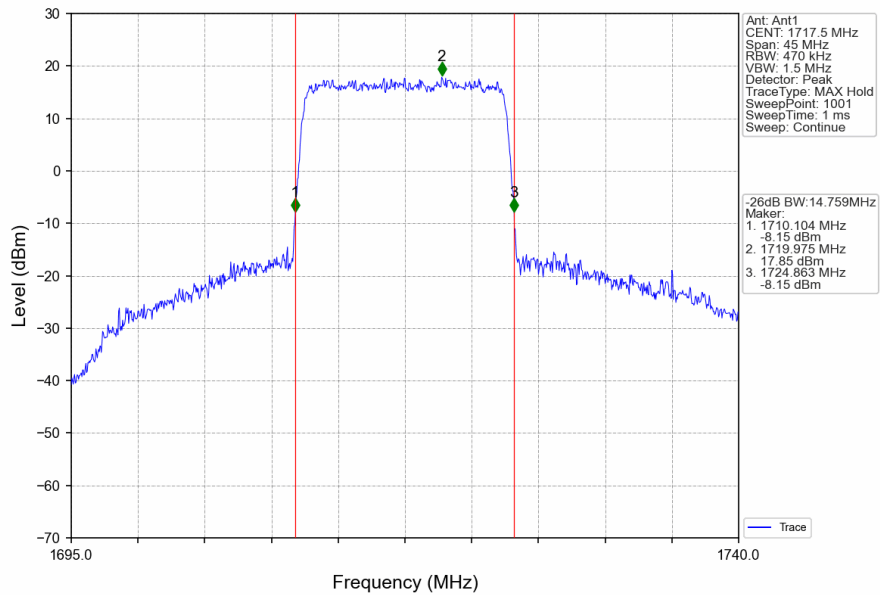
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



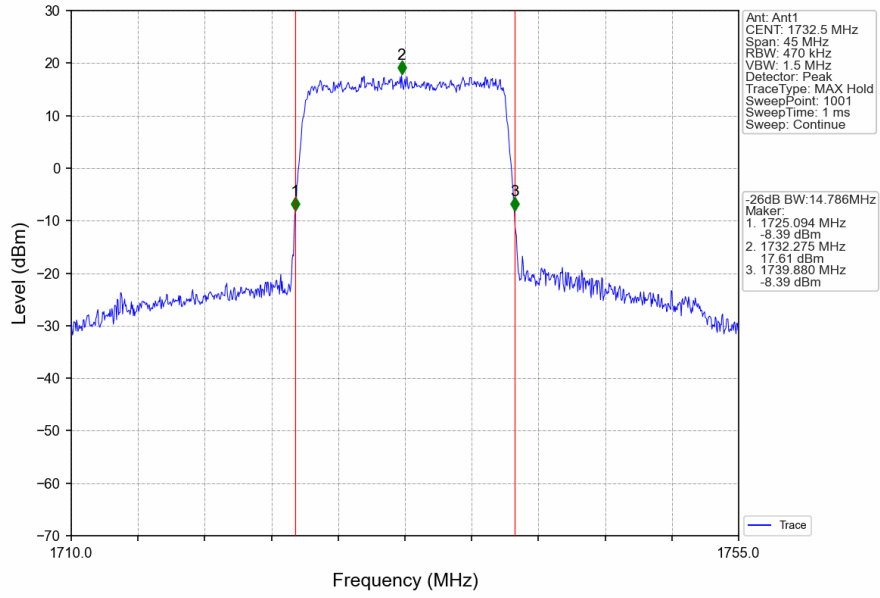
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



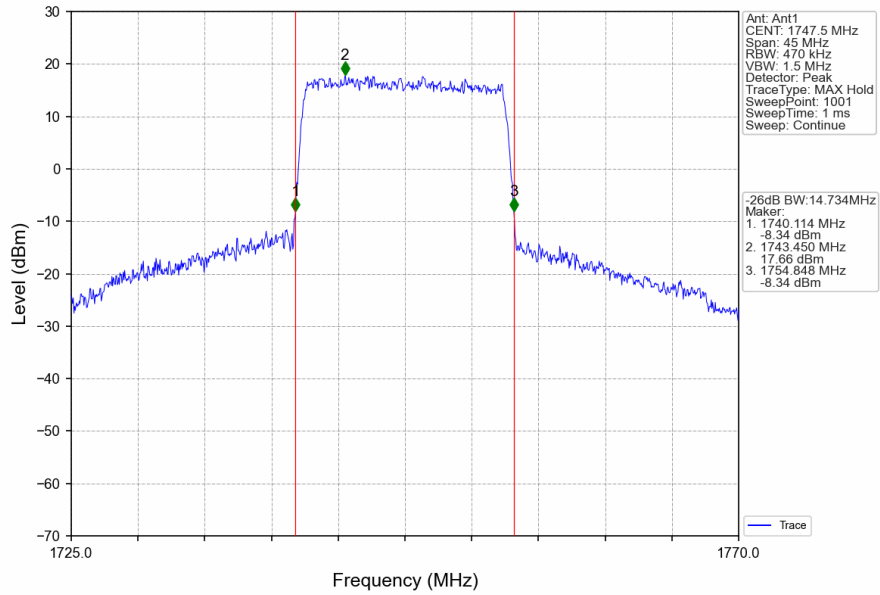
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



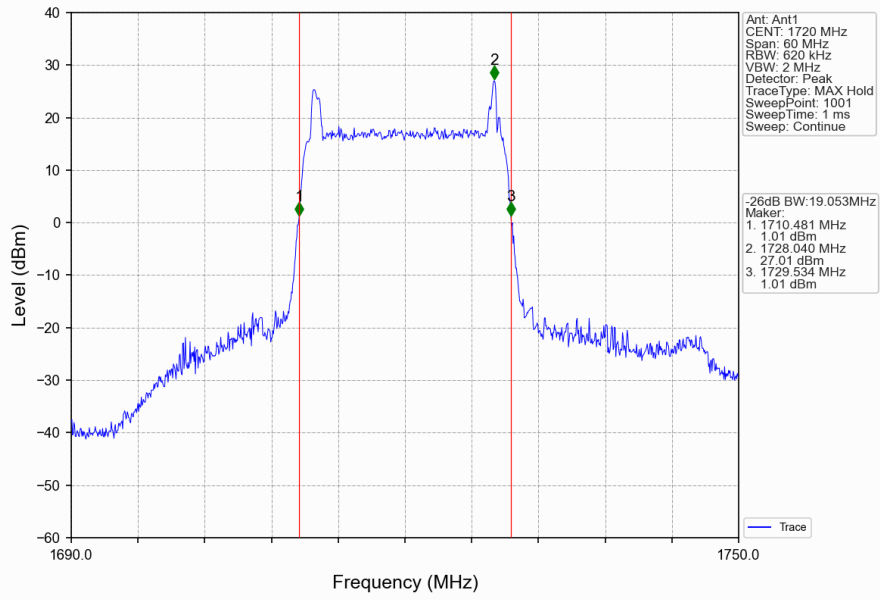
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



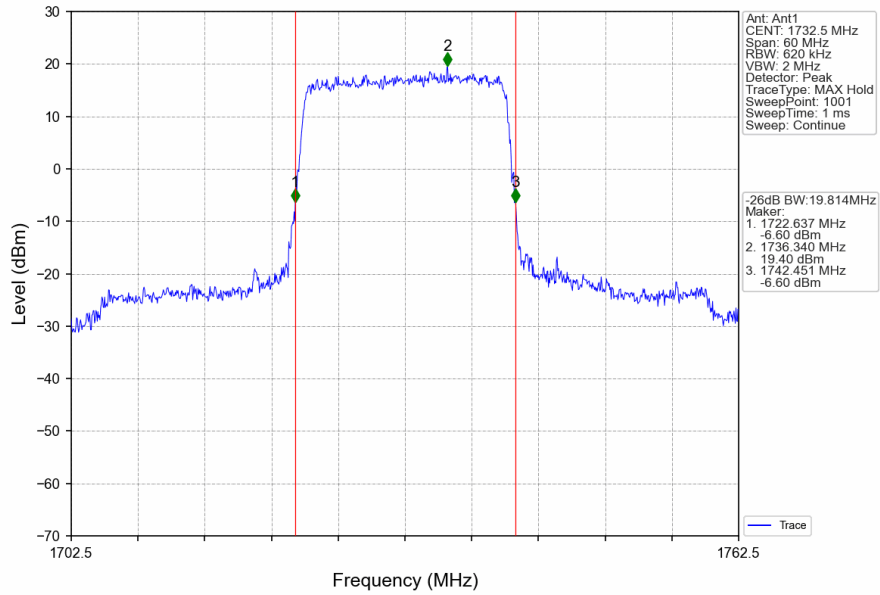
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



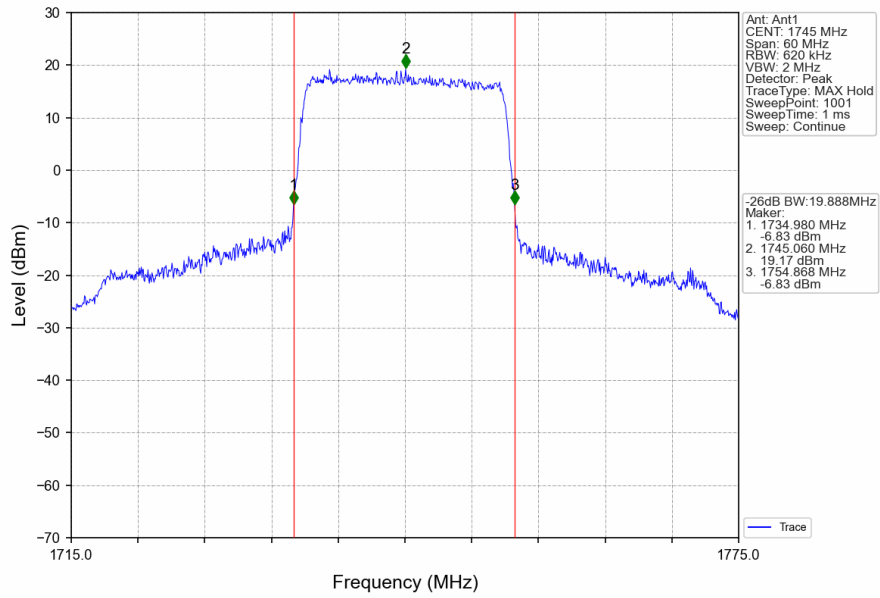
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



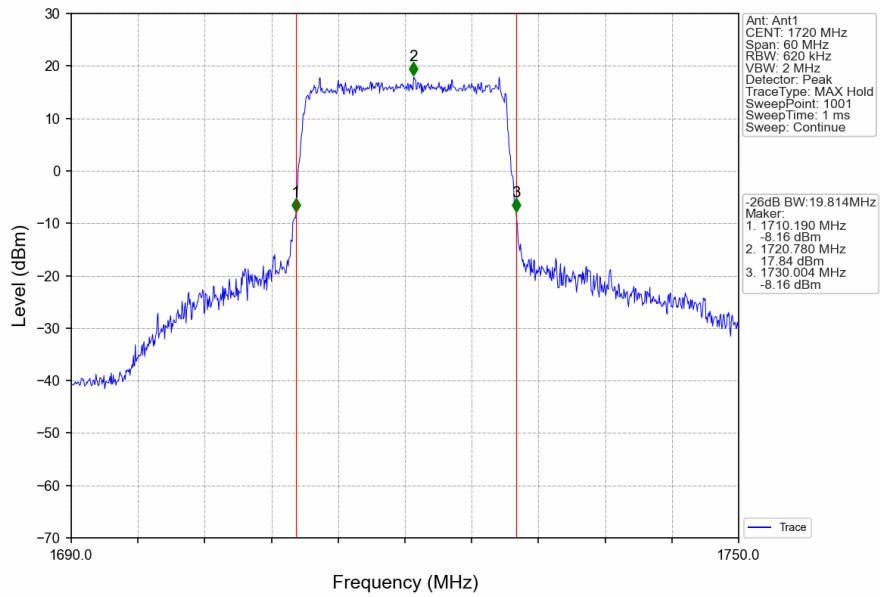
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



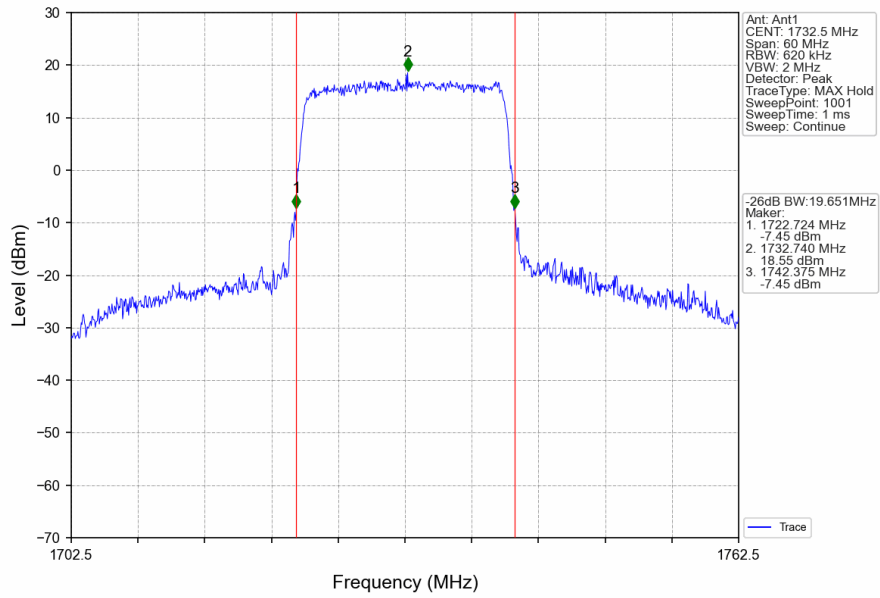
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



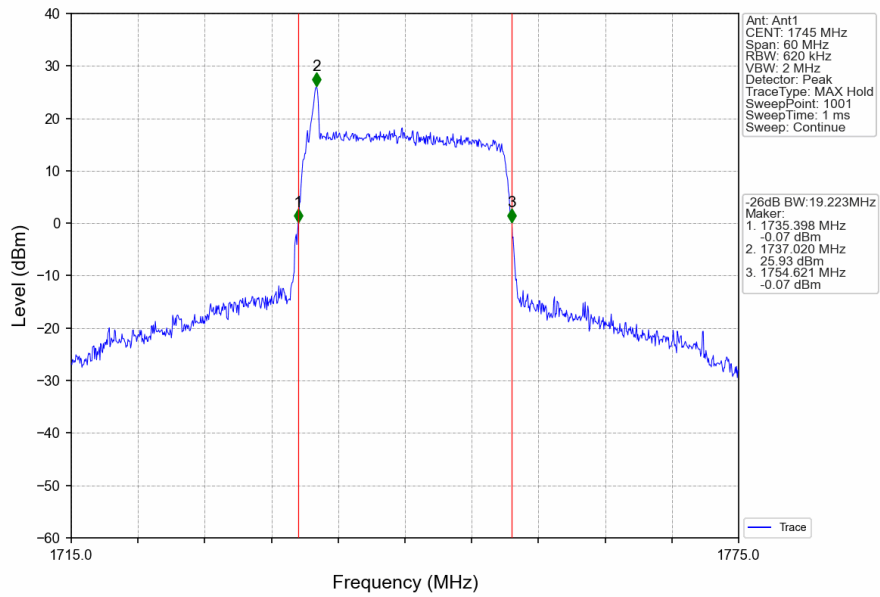
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



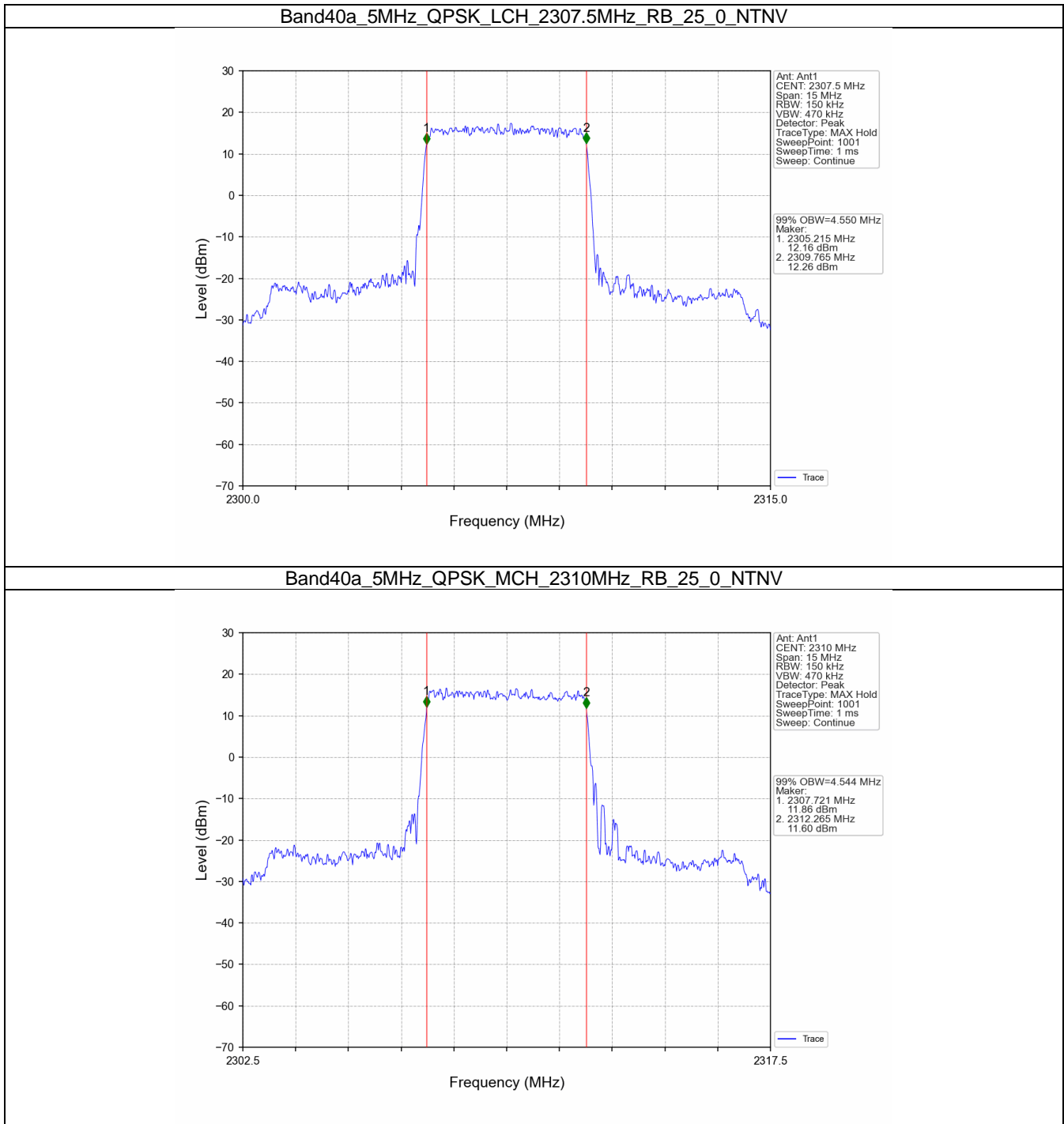
3. 99% & 26dB Bandwidth

3.1 Band40a_OBW

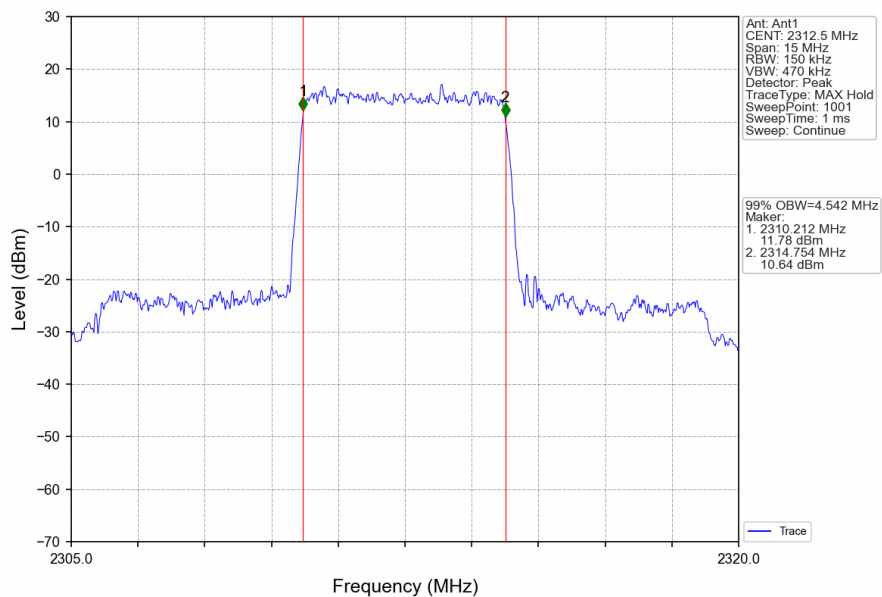
3.1.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.550	Pass
		2310	25	0	4.544	Pass
		2312.5	25	0	4.542	Pass
	16QAM	2307.5	25	0	4.527	Pass
		2310	25	0	4.567	Pass
		2312.5	25	0	4.536	Pass
10	QPSK	2310	50	0	9.038	Pass
	16QAM	2310	50	0	9.026	Pass

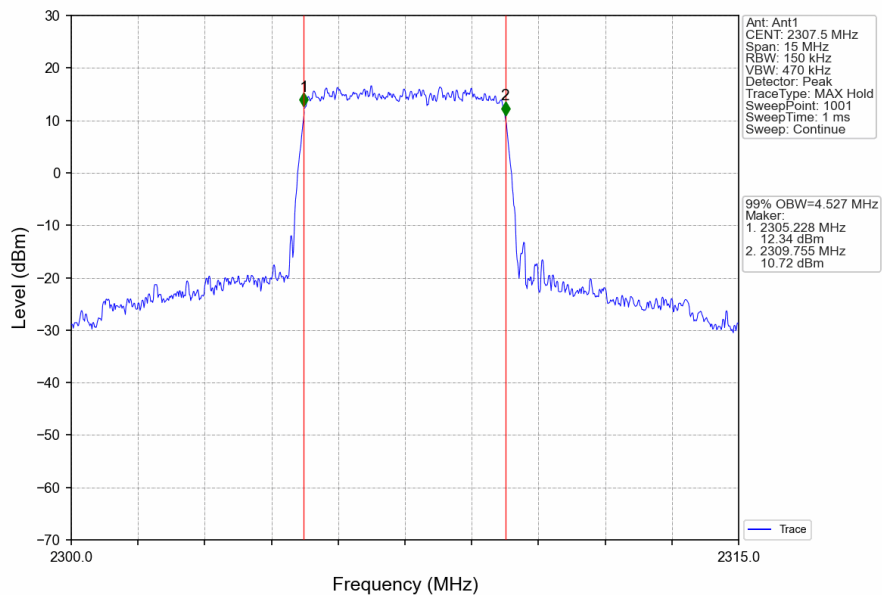
3.1.2 Test Graph



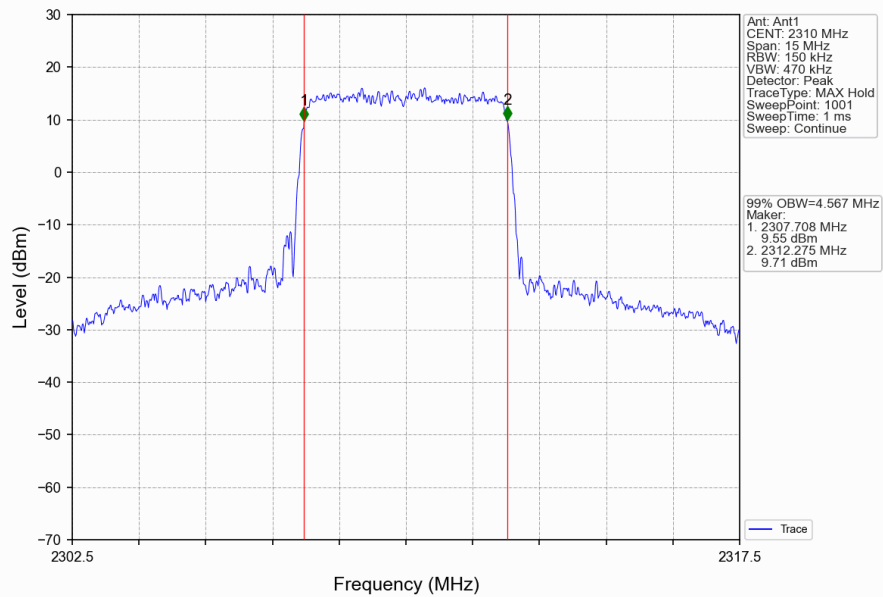
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



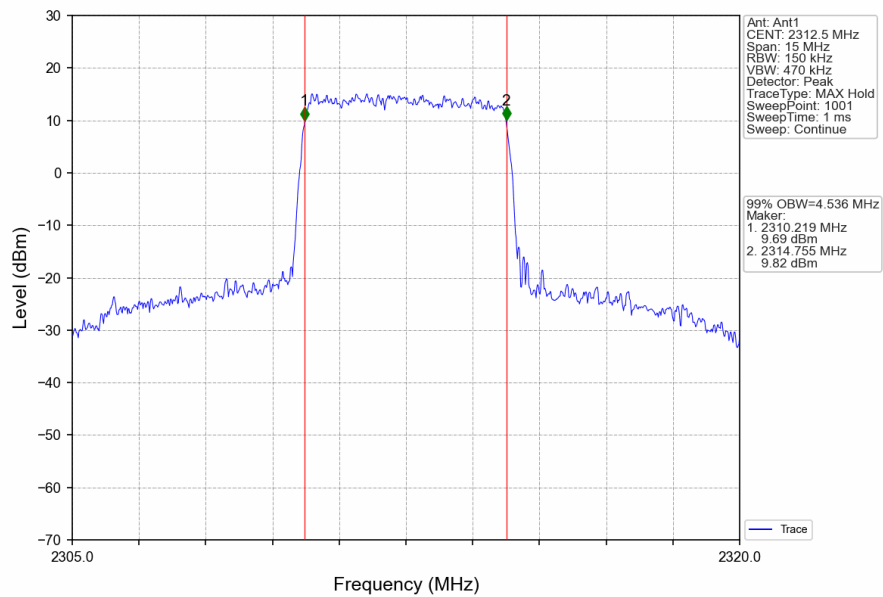
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



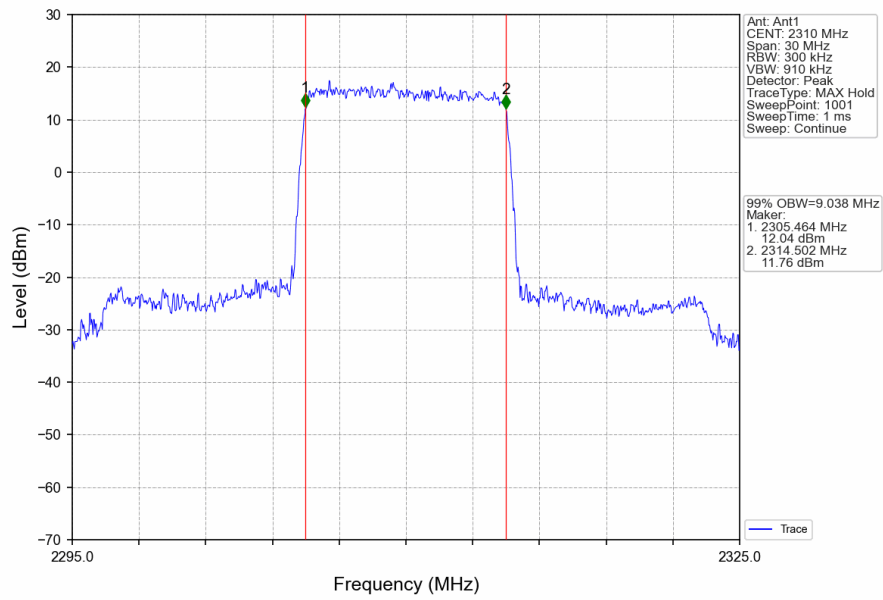
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



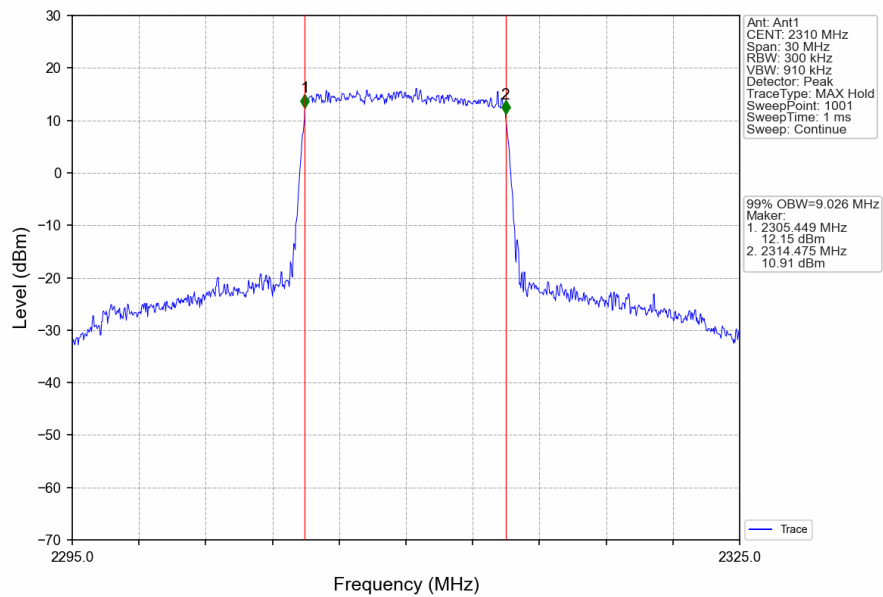
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV

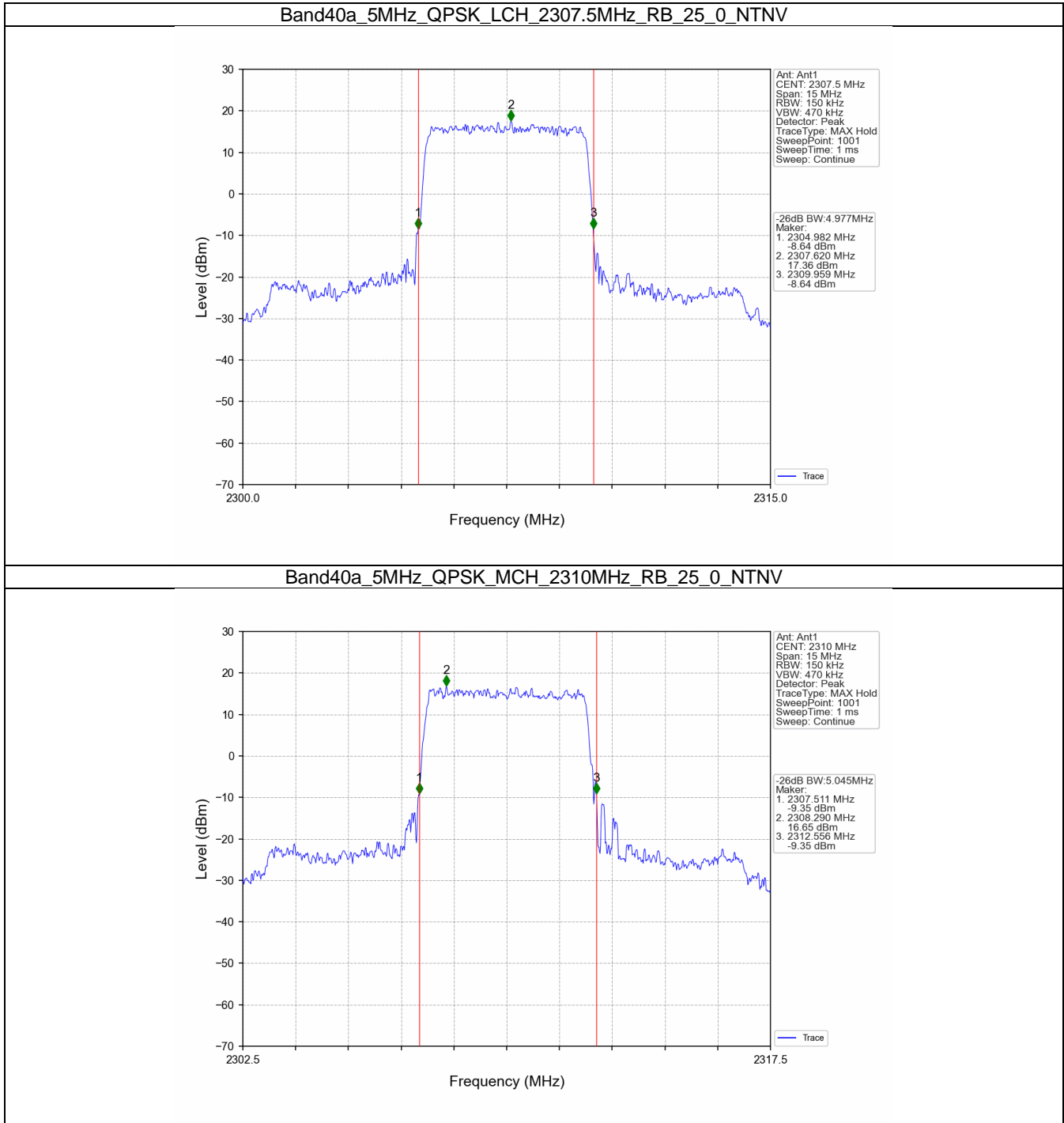


3.2 Band40a_XDB

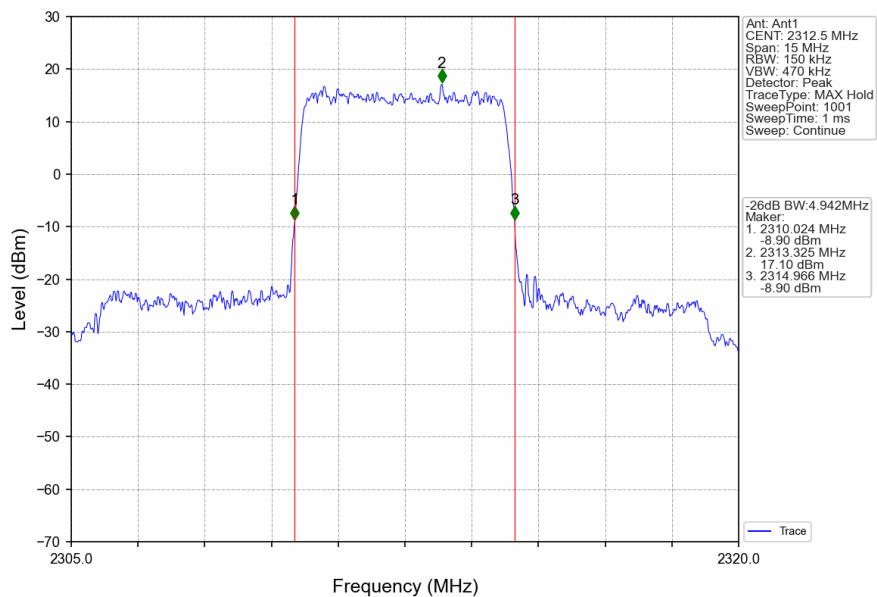
3.2.1 Test Result

Band: 40a / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.977	Pass
		2310	25	0	5.045	Pass
		2312.5	25	0	4.942	Pass
	16QAM	2307.5	25	0	4.967	Pass
		2310	25	0	4.950	Pass
		2312.5	25	0	4.938	Pass
10	QPSK	2310	50	0	9.819	Pass
	16QAM	2310	50	0	9.813	Pass

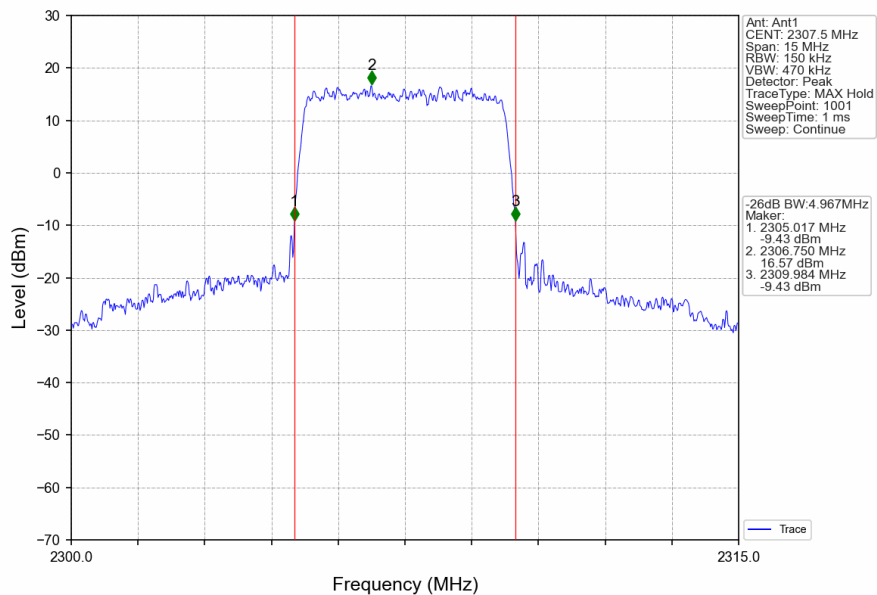
3.2.2 Test Graph



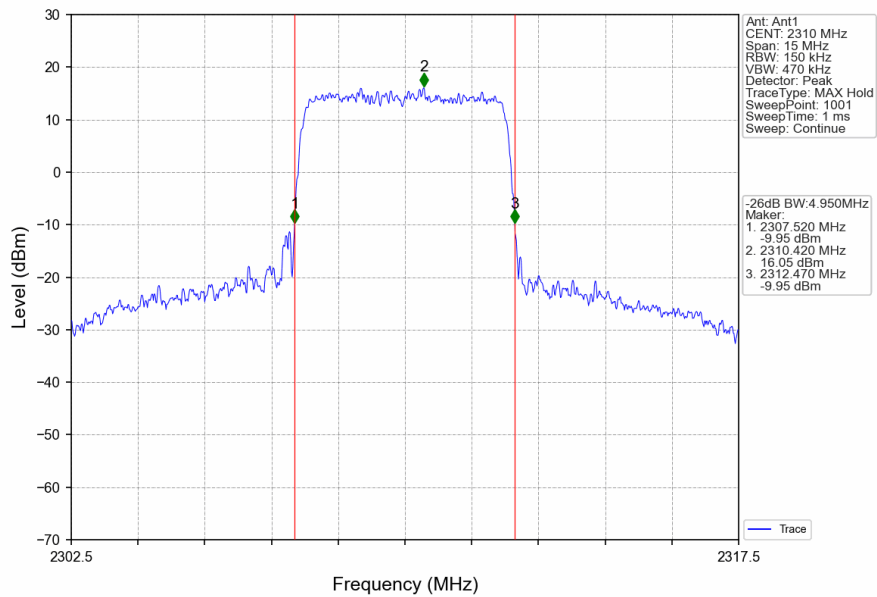
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



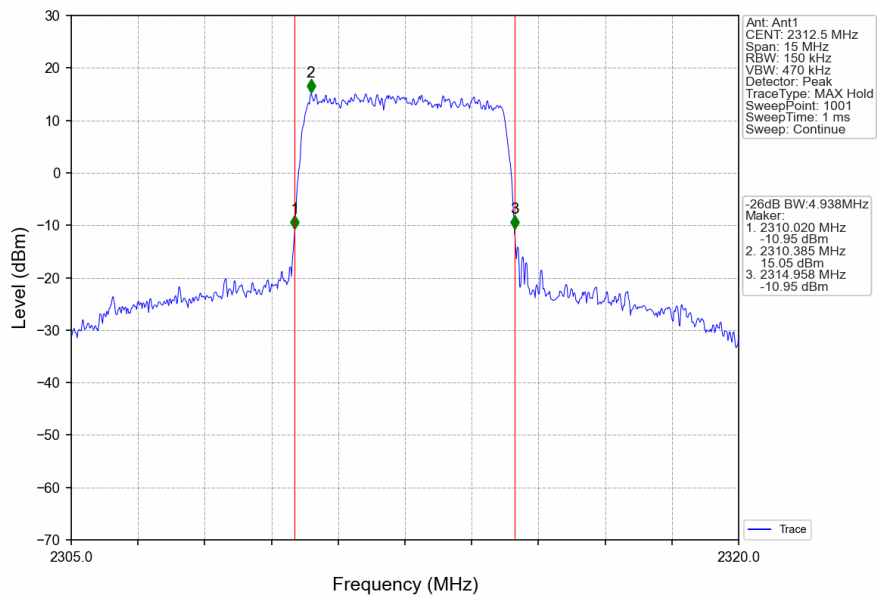
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



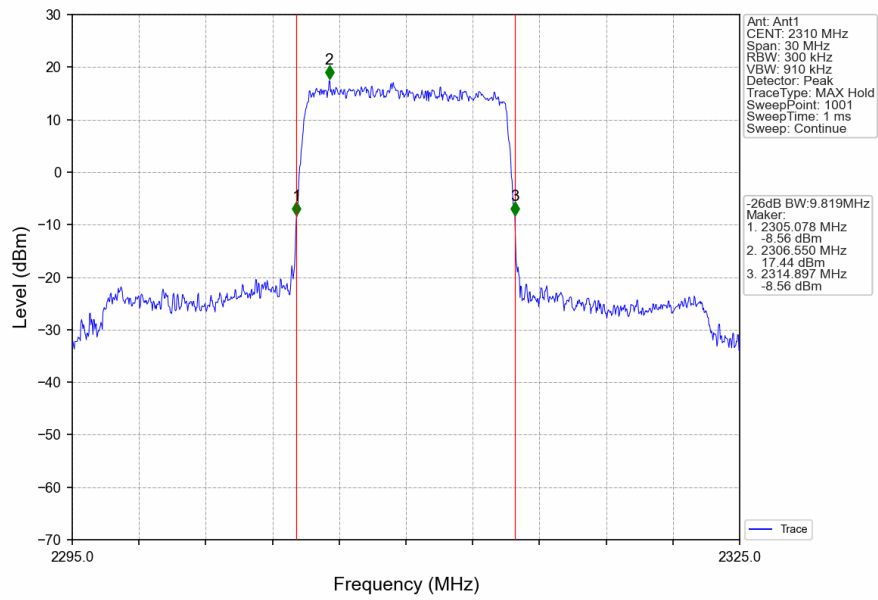
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



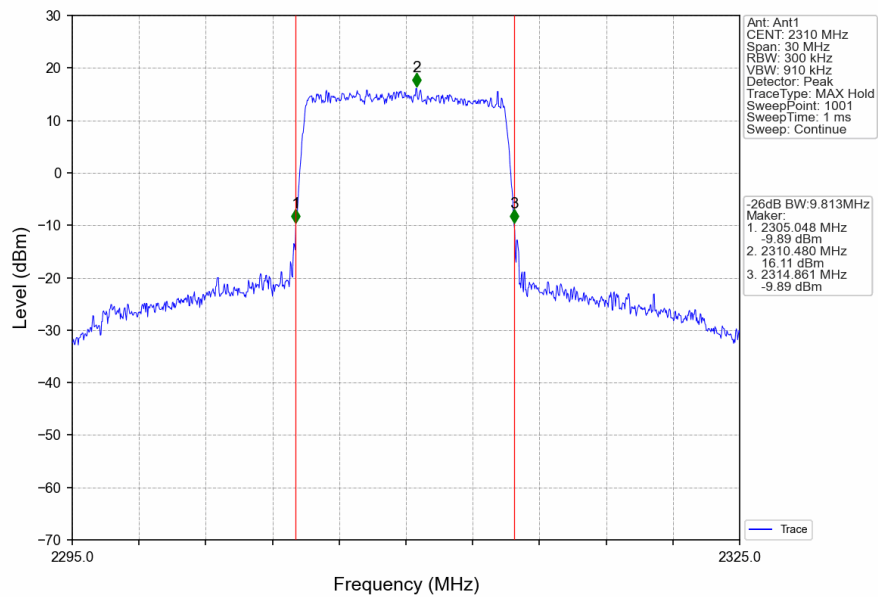
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



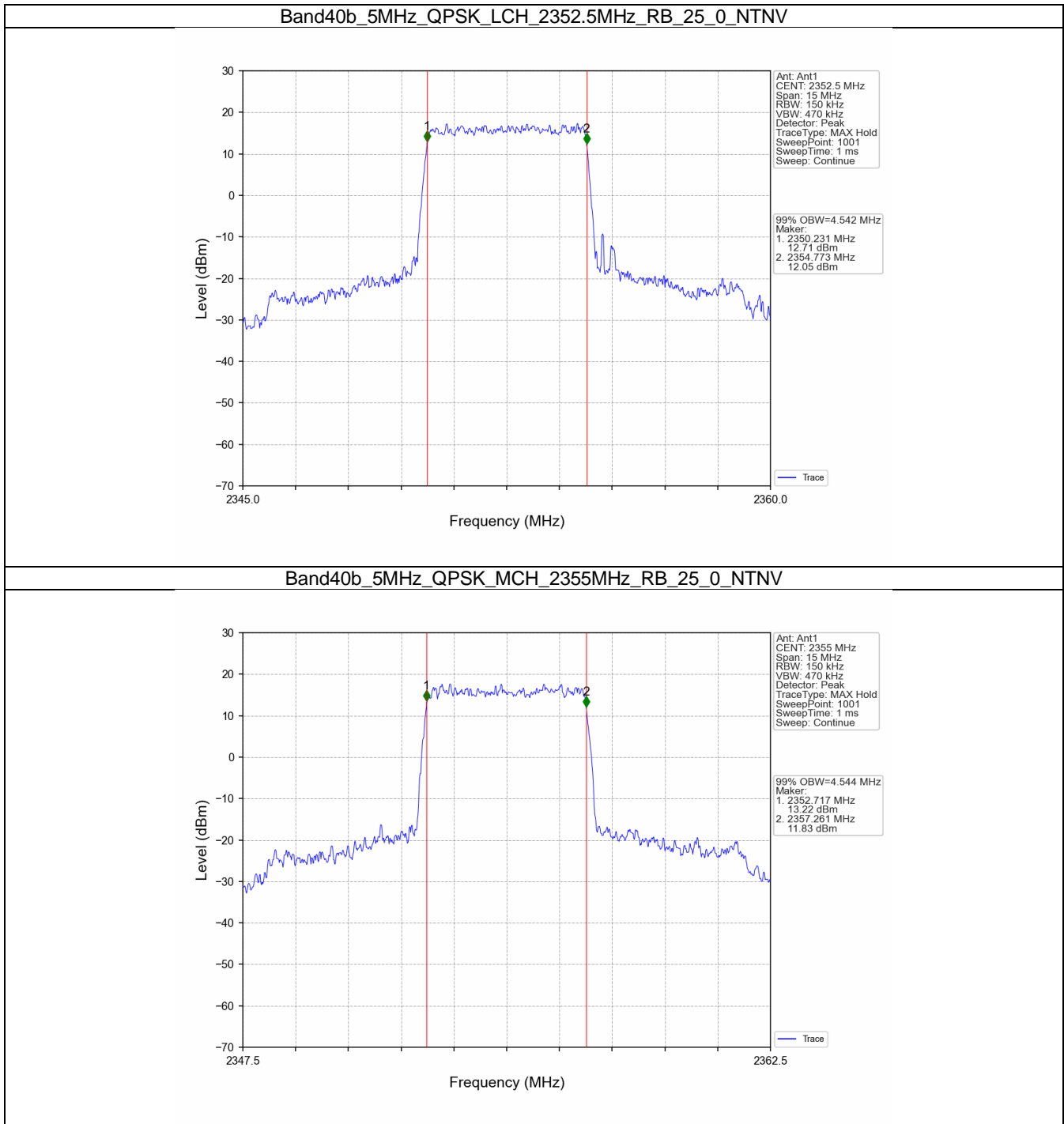
4. 99% & 26dB Bandwidth

4.1 Band40b_OBW

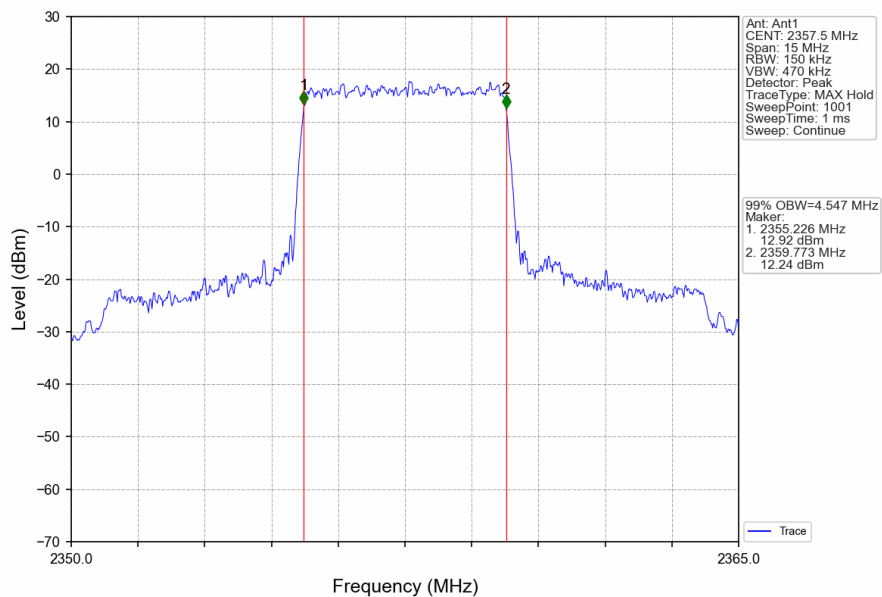
4.1.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.542	Pass
		2355	25	0	4.544	Pass
		2357.5	25	0	4.547	Pass
	16QAM	2352.5	25	0	4.574	Pass
		2355	25	0	4.530	Pass
		2357.5	25	0	4.532	Pass
10	QPSK	2355	50	0	9.015	Pass
	16QAM	2355	50	0	9.045	Pass

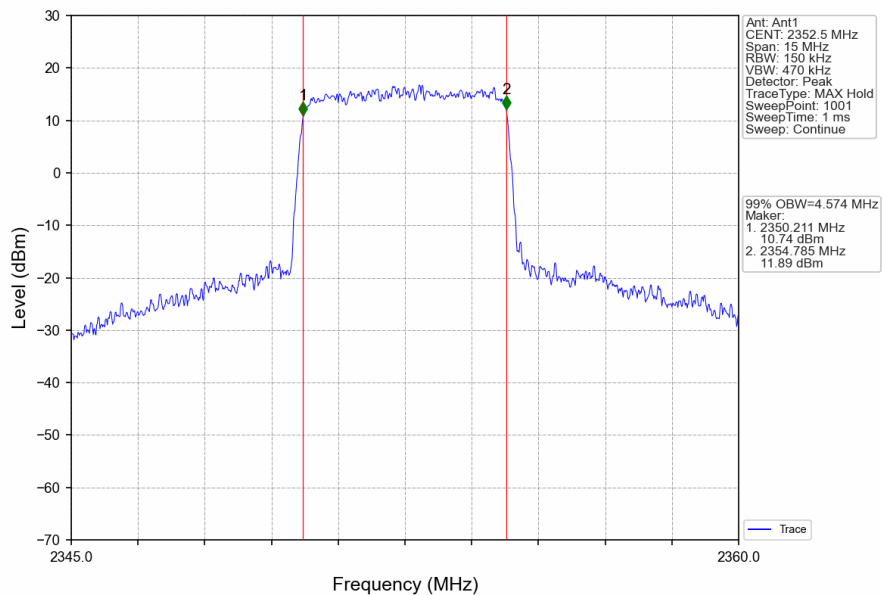
4.1.2 Test Graph



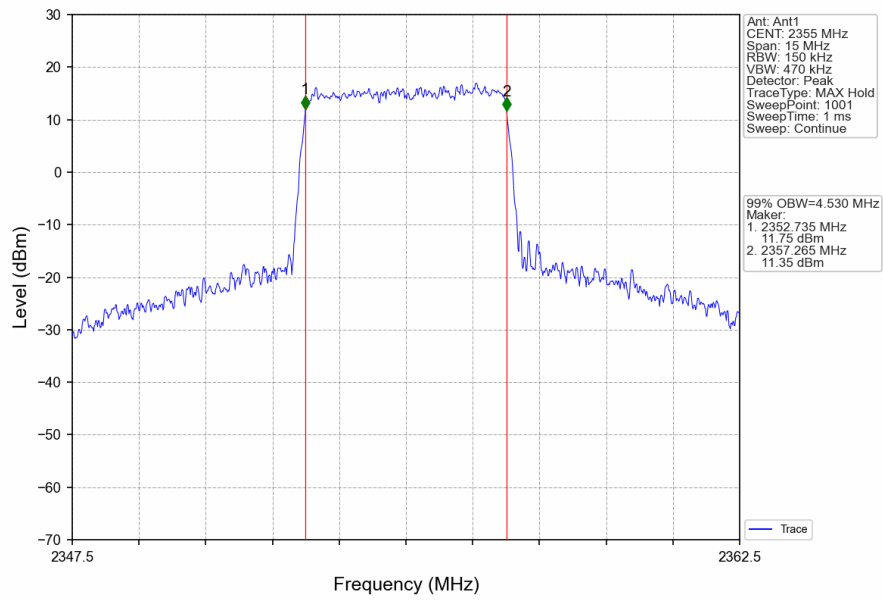
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



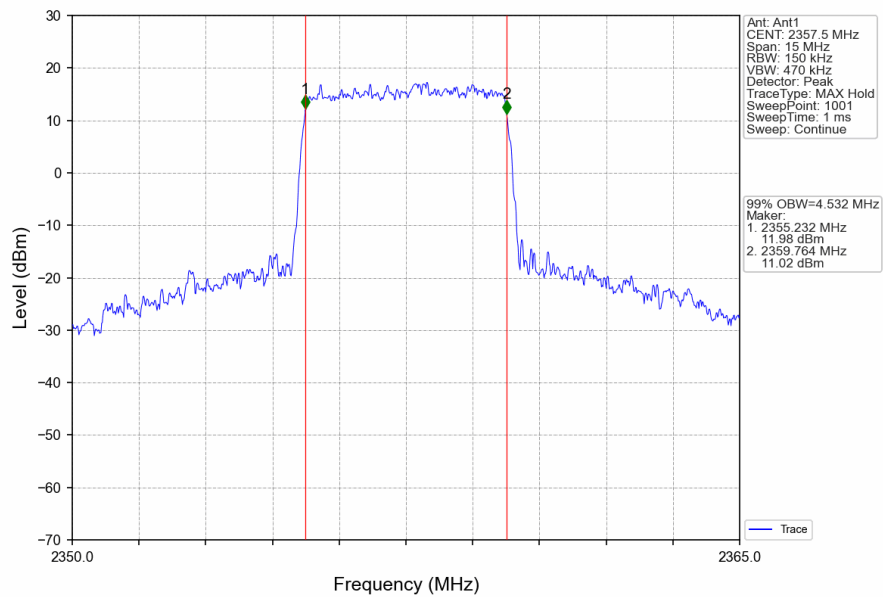
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



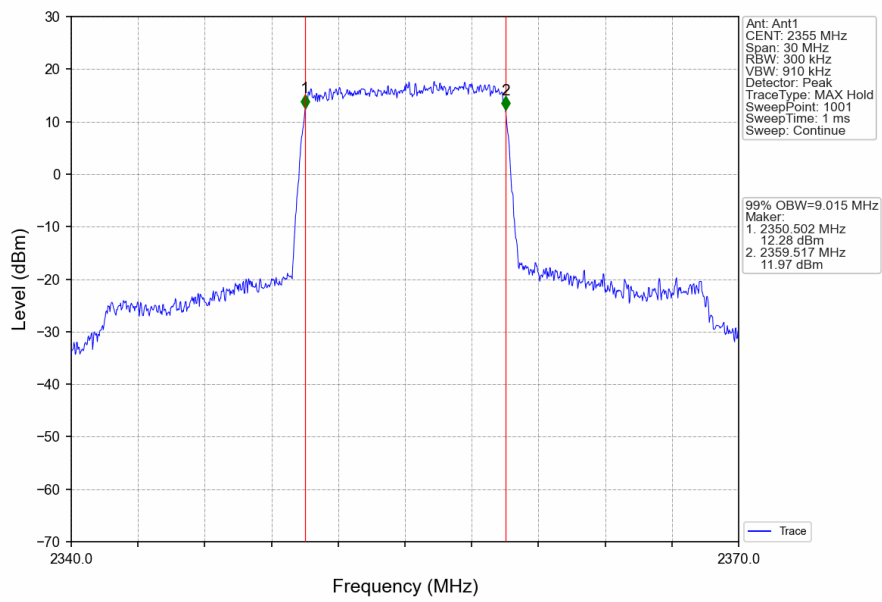
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



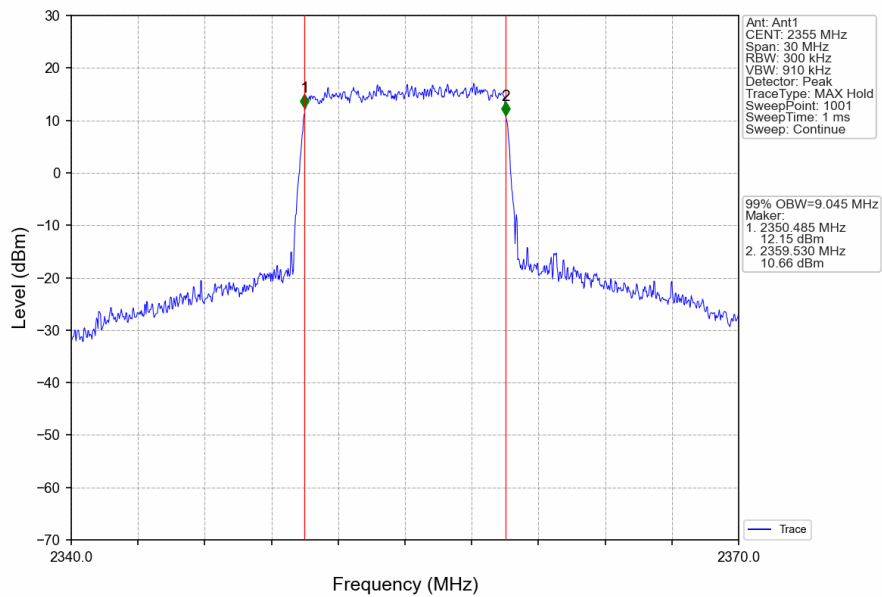
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV

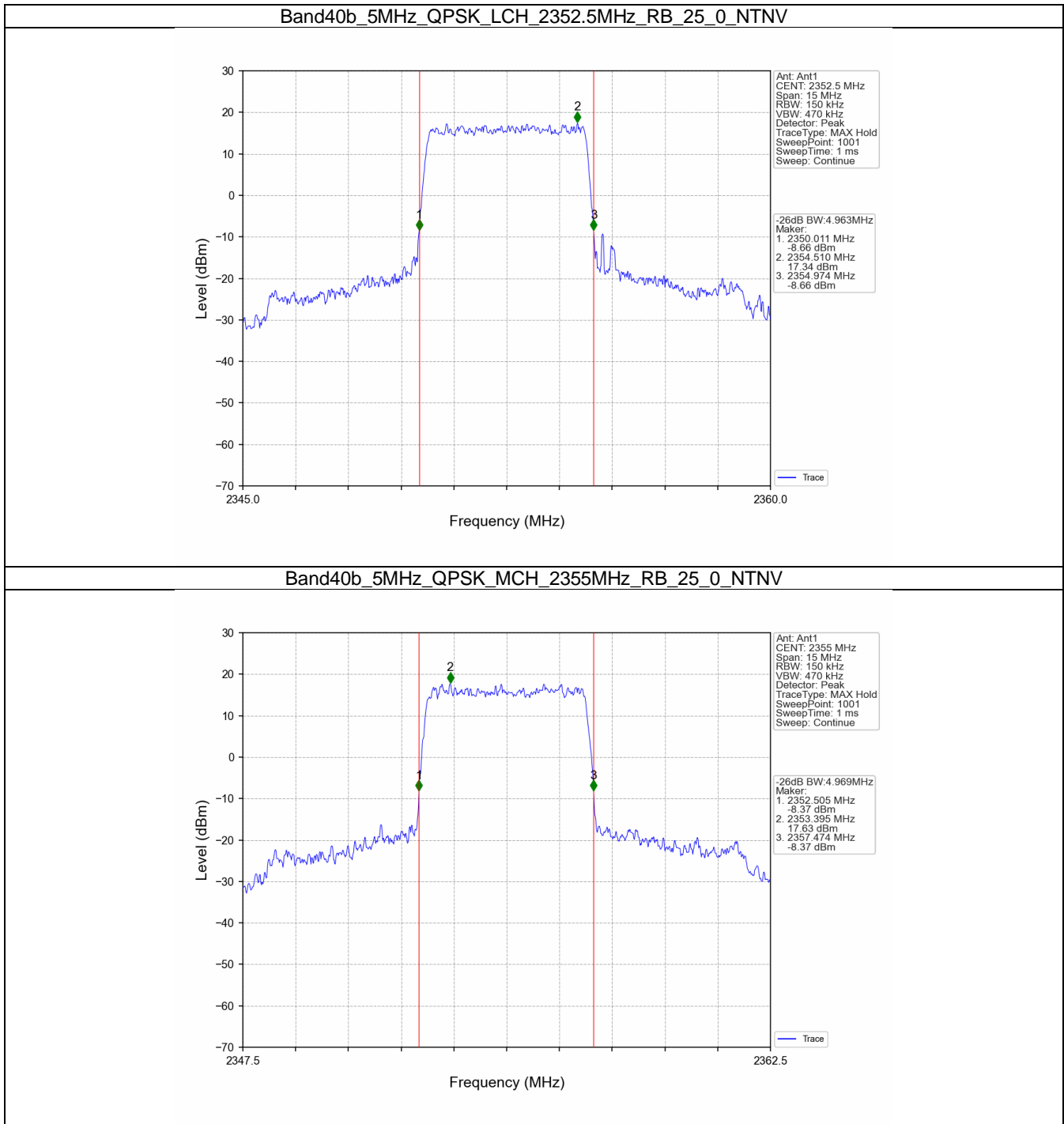


4.2 Band40b_XDB

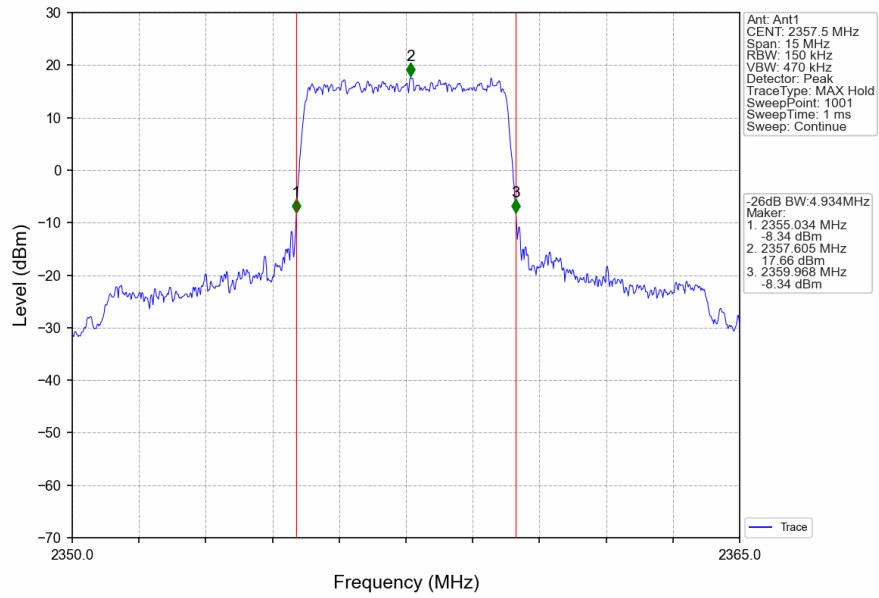
4.2.1 Test Result

Band: 40b / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2352.5	25	0	4.963	Pass
		2355	25	0	4.969	Pass
		2357.5	25	0	4.934	Pass
	16QAM	2352.5	25	0	4.995	Pass
		2355	25	0	4.974	Pass
		2357.5	25	0	4.933	Pass
10	QPSK	2355	50	0	9.827	Pass
	16QAM	2355	50	0	9.964	Pass

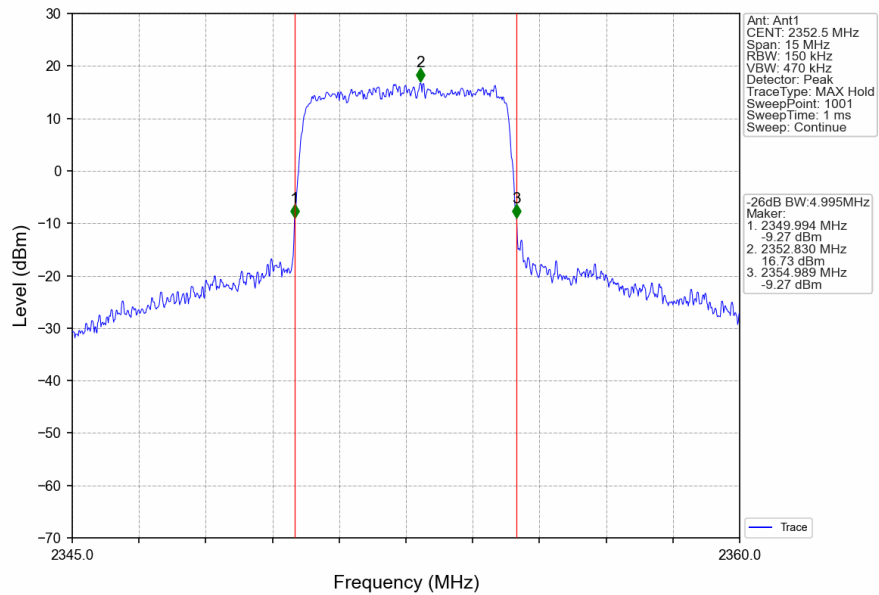
4.2.2 Test Graph



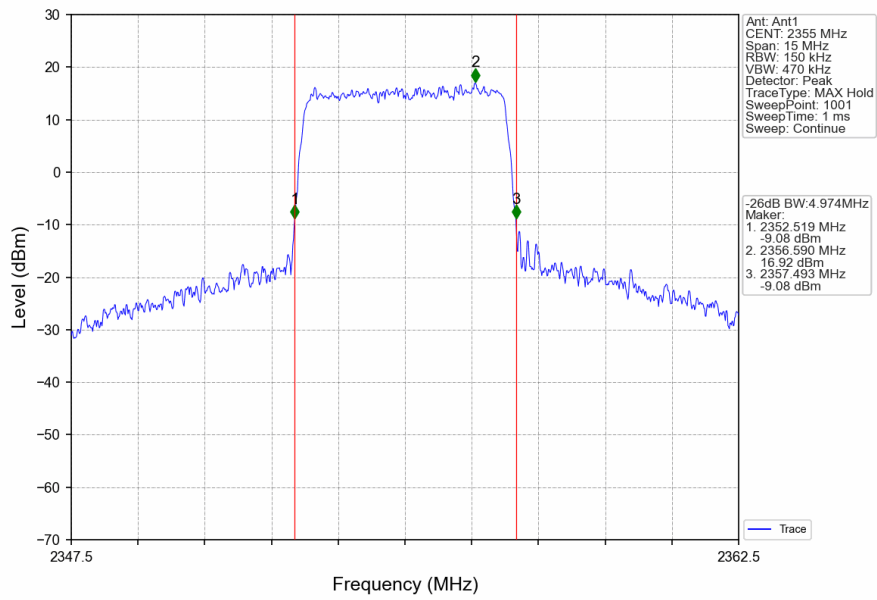
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



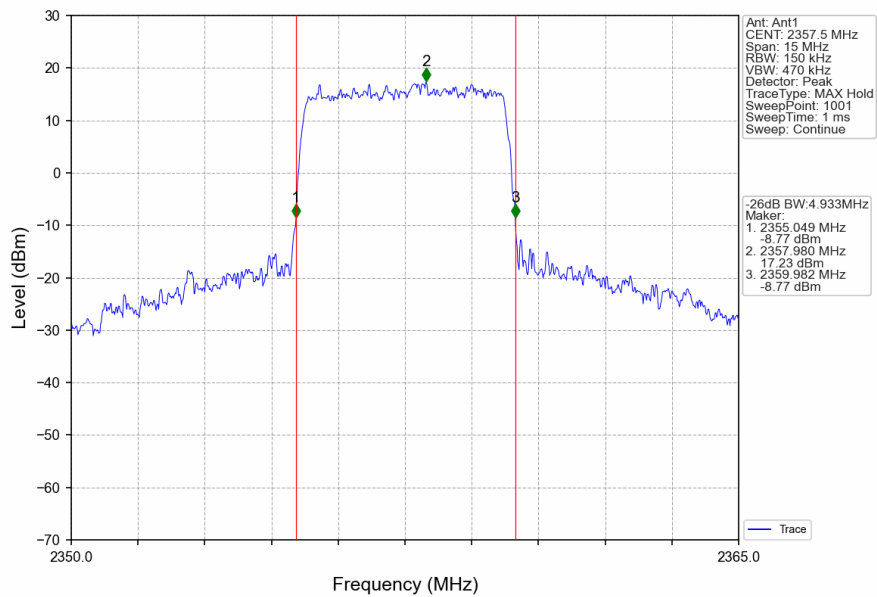
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



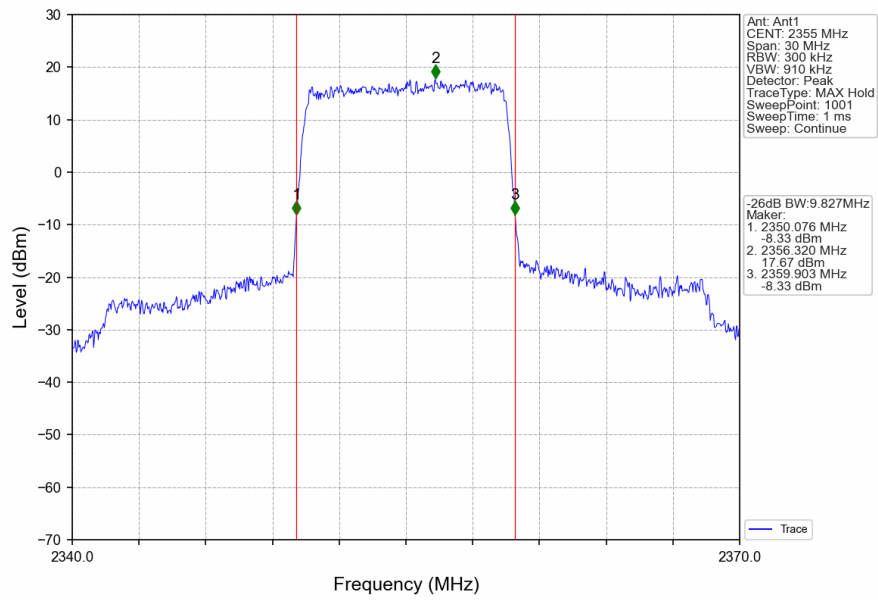
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



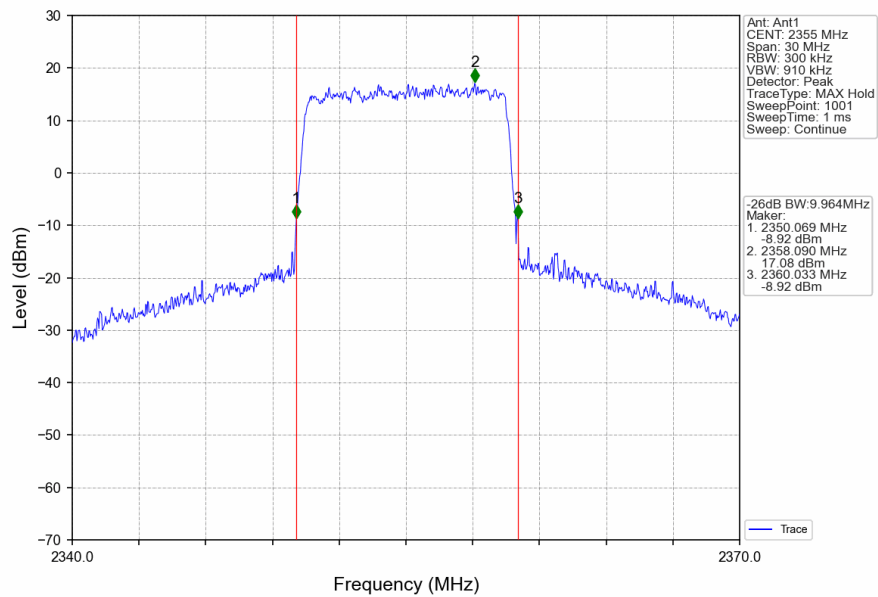
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



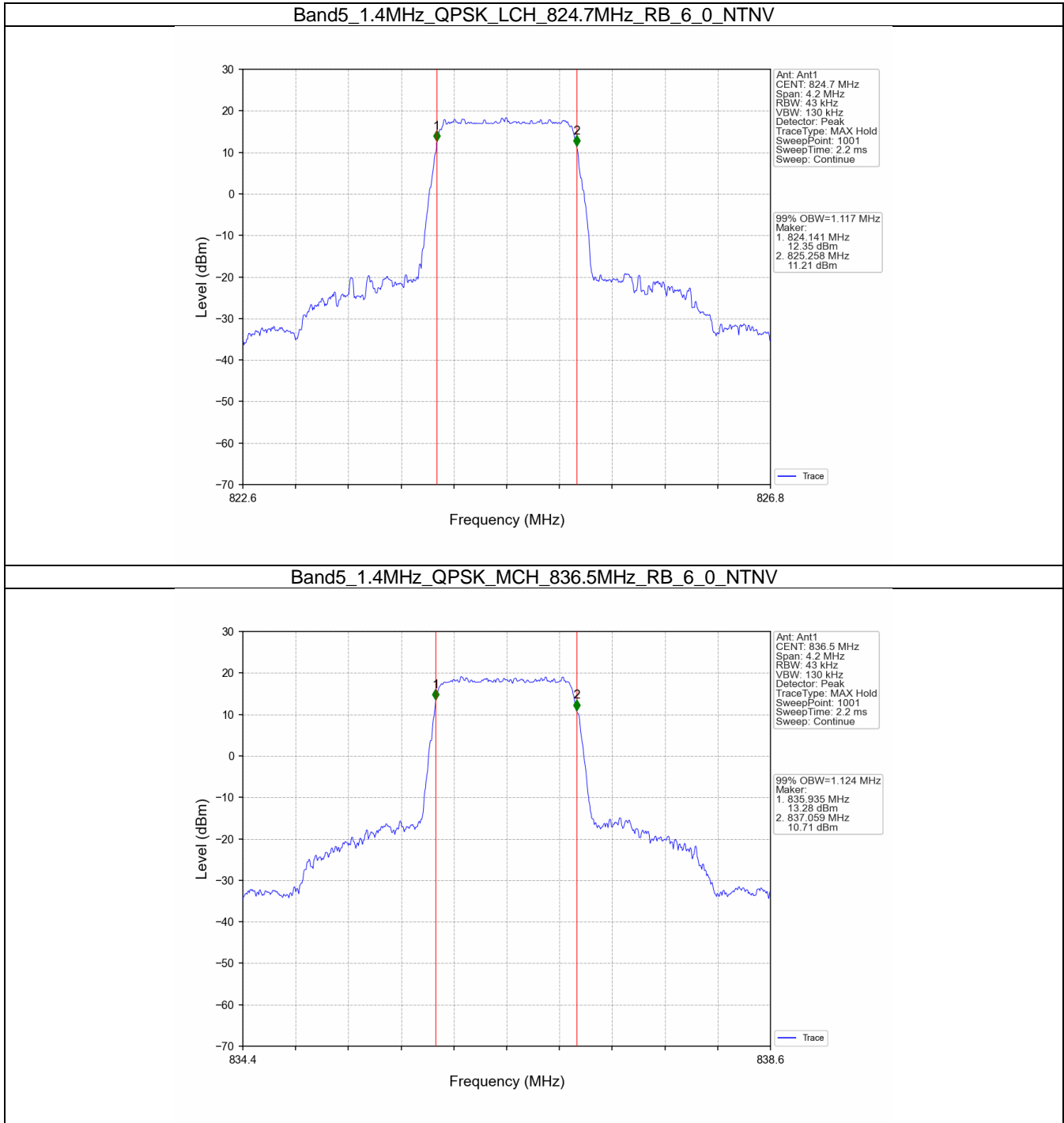
5. 99% & 26dB Bandwidth

5.1 Band5_OBW

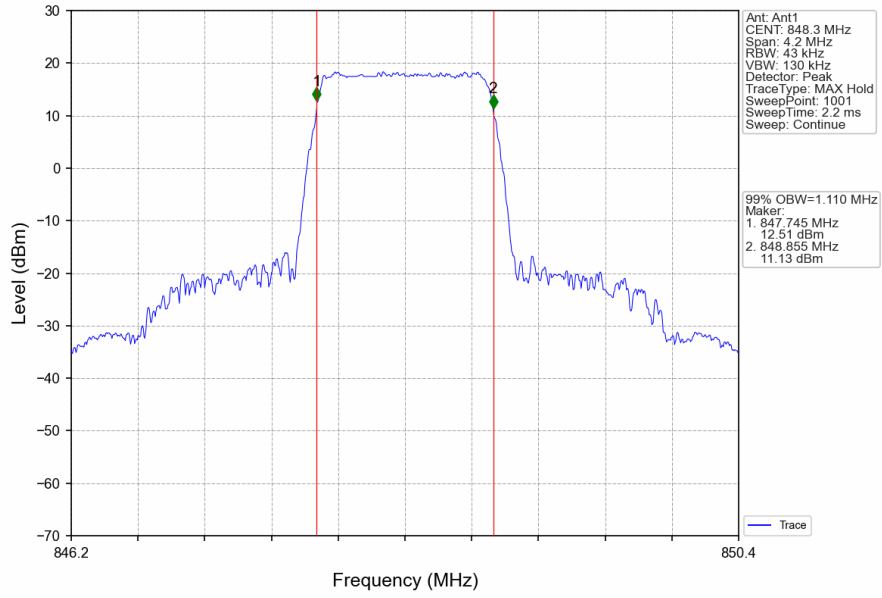
5.1.1 Test Result

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	1.117	Pass
		836.5	6	0	1.124	Pass
		848.3	6	0	1.110	Pass
	16QAM	824.7	6	0	1.113	Pass
		836.5	6	0	1.120	Pass
		848.3	6	0	1.124	Pass
3	QPSK	825.5	15	0	2.733	Pass
		836.5	15	0	2.748	Pass
		847.5	15	0	2.736	Pass
	16QAM	825.5	15	0	2.750	Pass
		836.5	15	0	2.728	Pass
		847.5	15	0	2.728	Pass
5	QPSK	826.5	25	0	4.550	Pass
		836.5	25	0	4.530	Pass
		846.5	25	0	4.541	Pass
	16QAM	826.5	25	0	4.524	Pass
		836.5	25	0	4.542	Pass
		846.5	25	0	4.546	Pass
10	QPSK	829	50	0	9.039	Pass
		836.5	50	0	9.013	Pass
		844	50	0	9.038	Pass
	16QAM	829	50	0	9.011	Pass
		836.5	50	0	9.007	Pass
		844	50	0	9.046	Pass

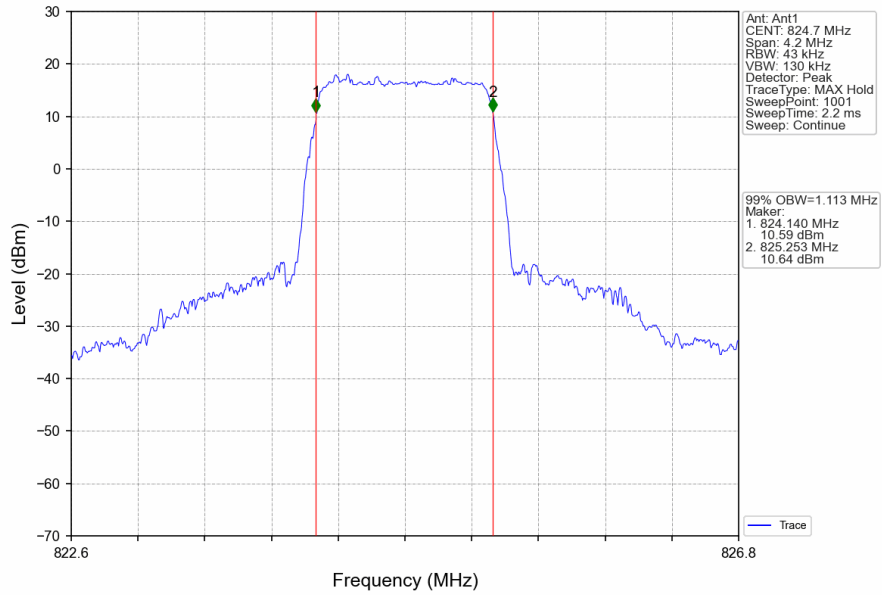
5.1.2 Test Graph



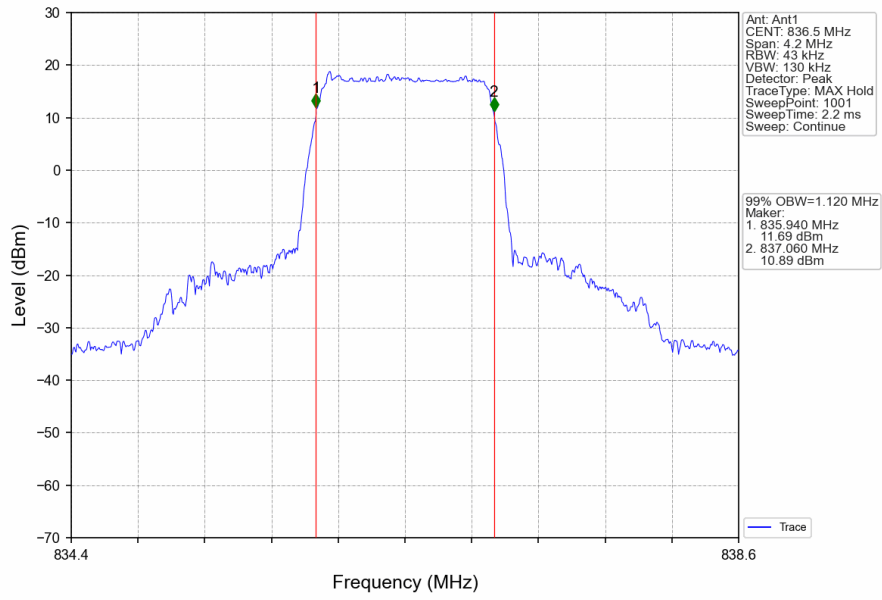
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



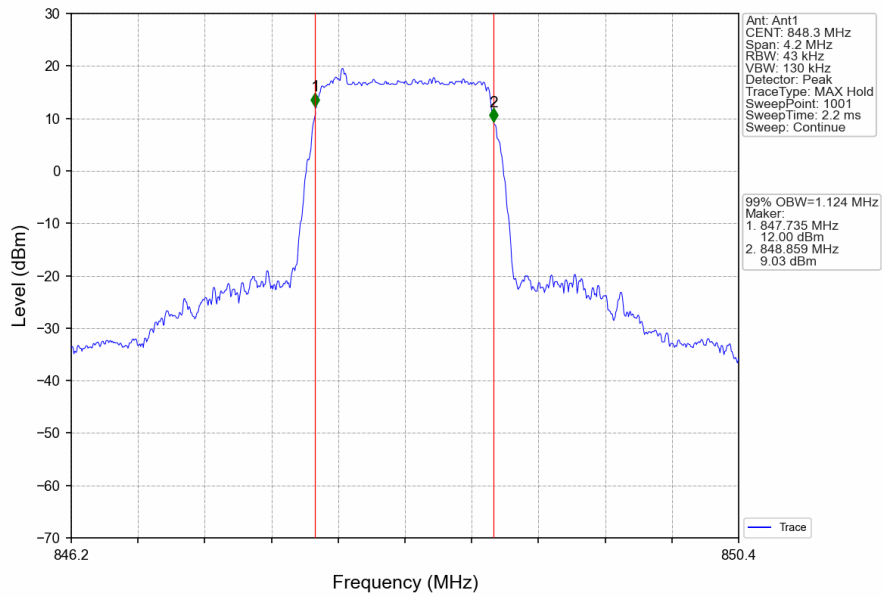
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



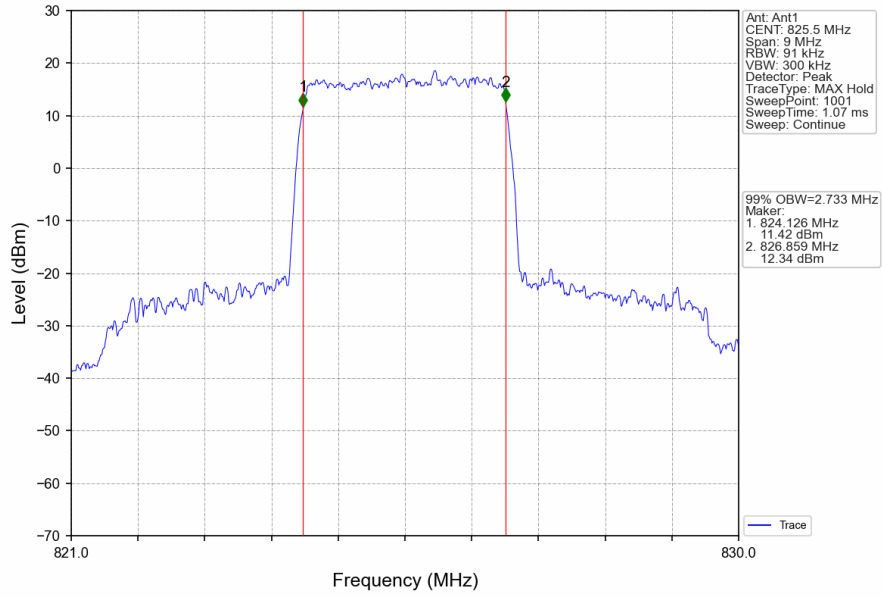
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



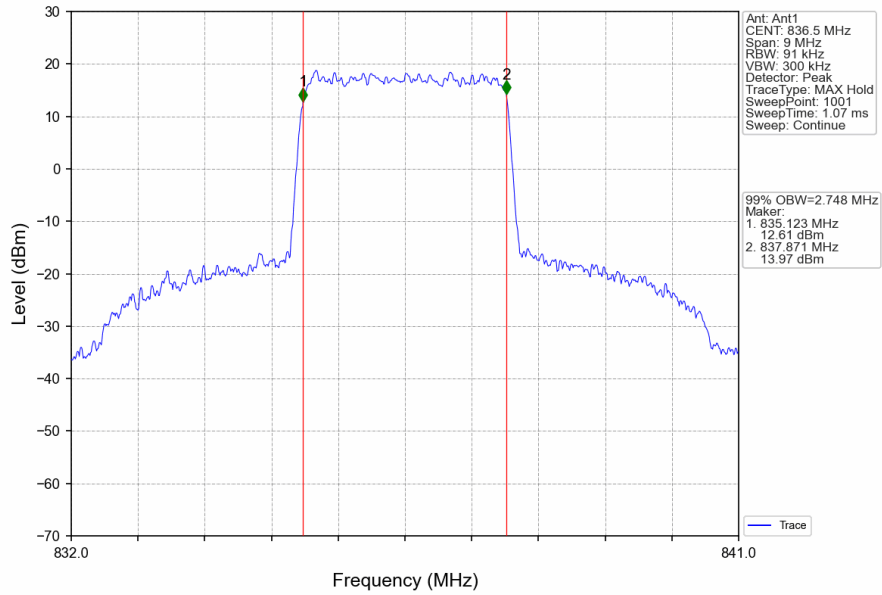
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



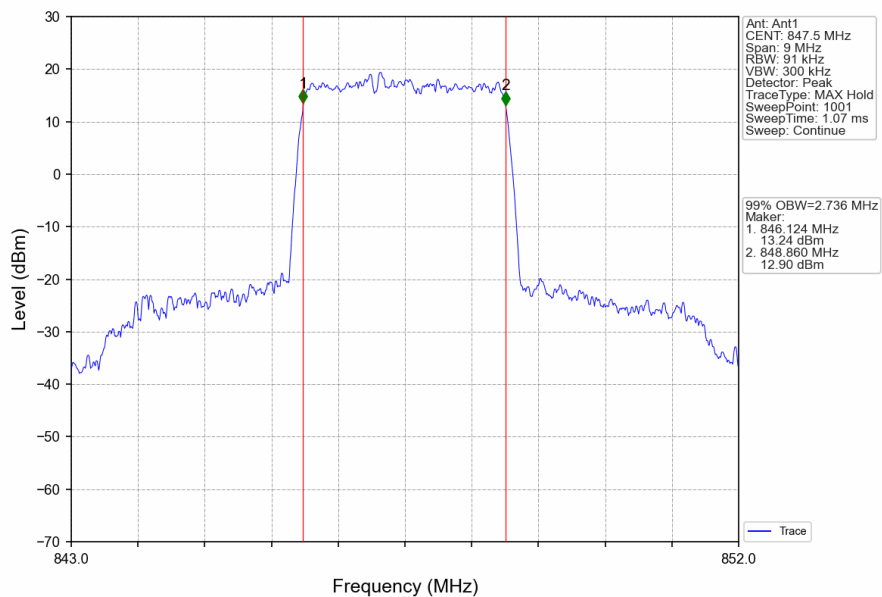
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



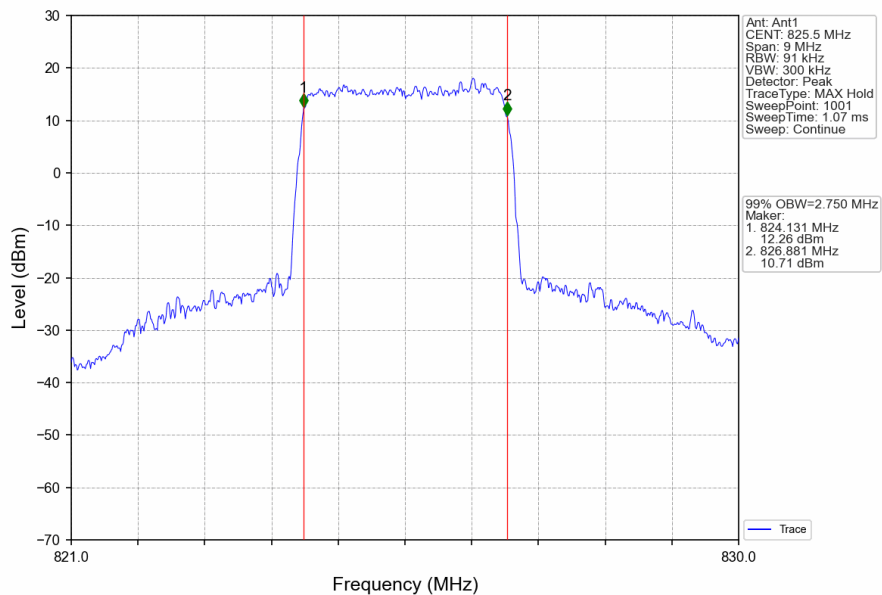
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



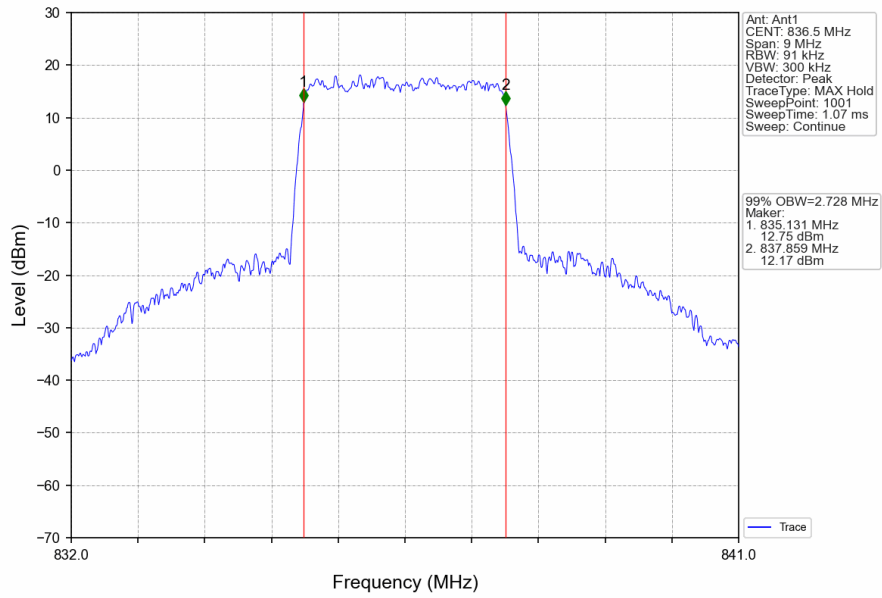
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



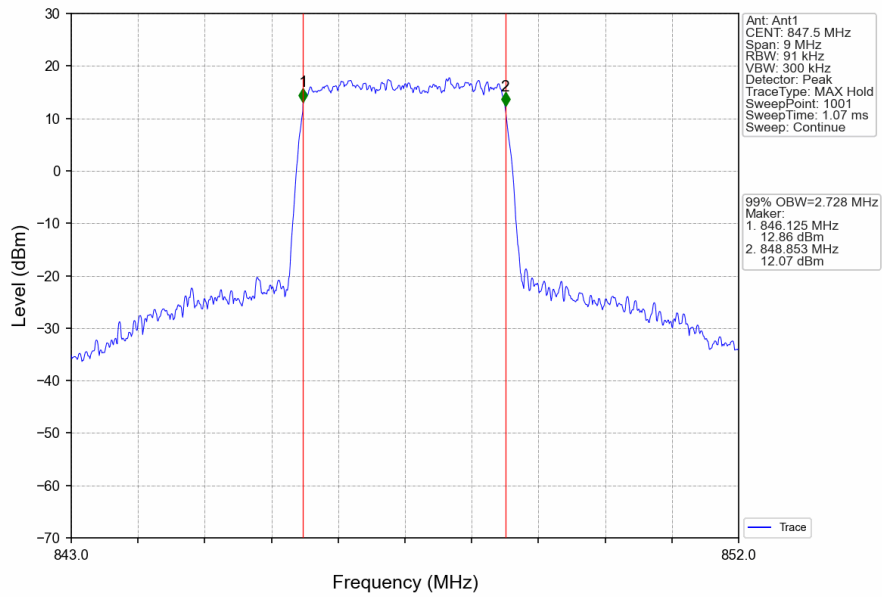
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



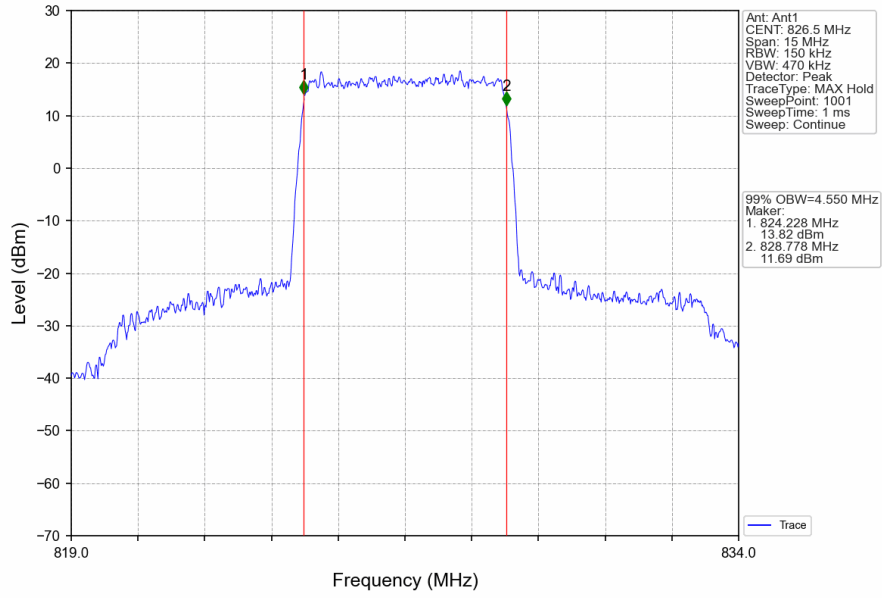
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



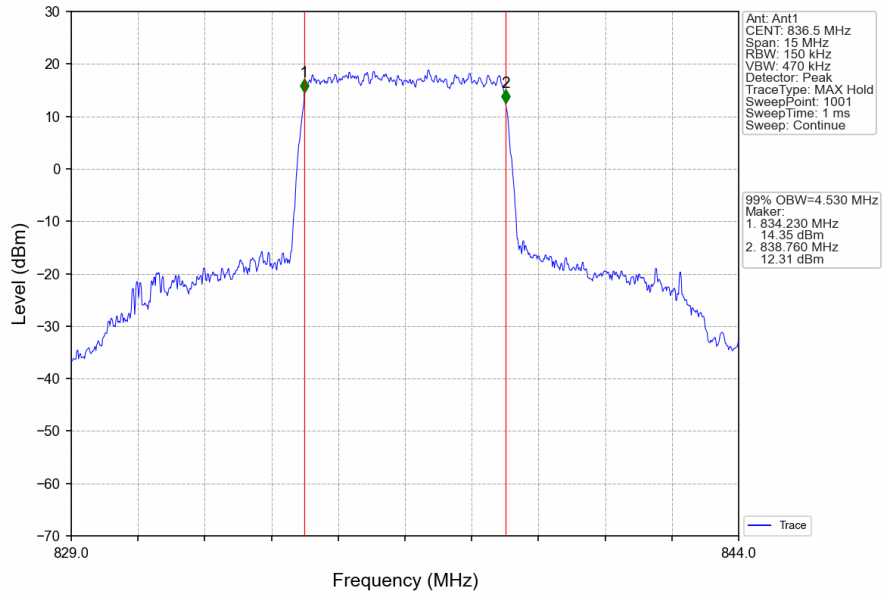
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



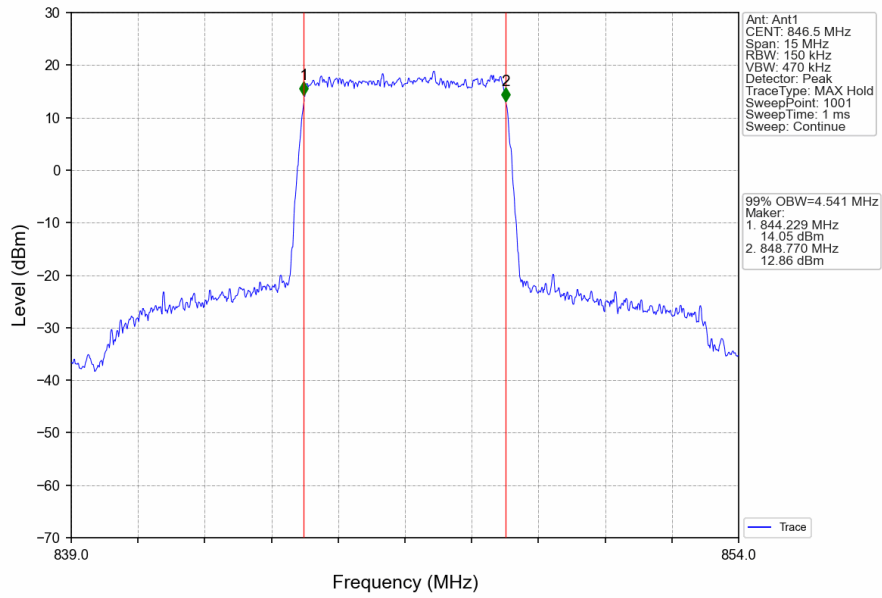
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



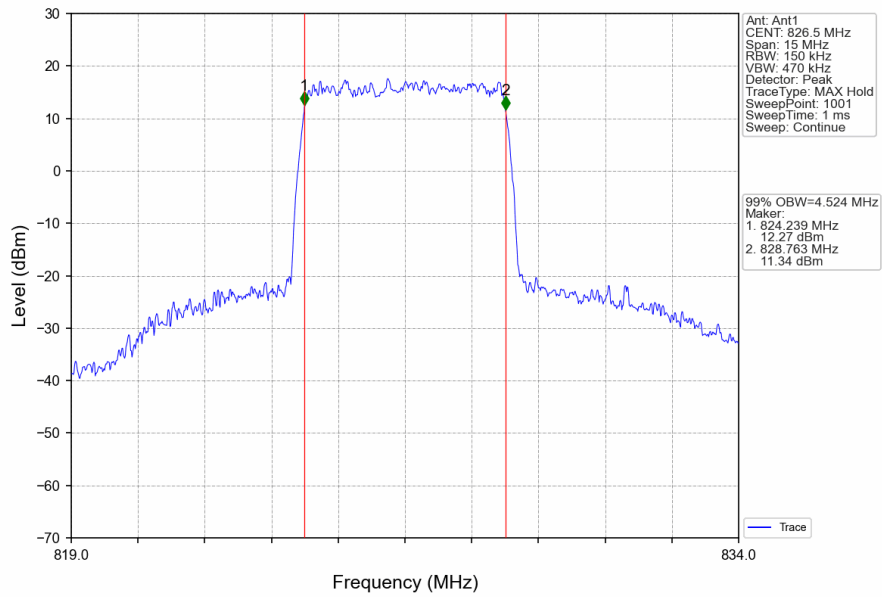
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



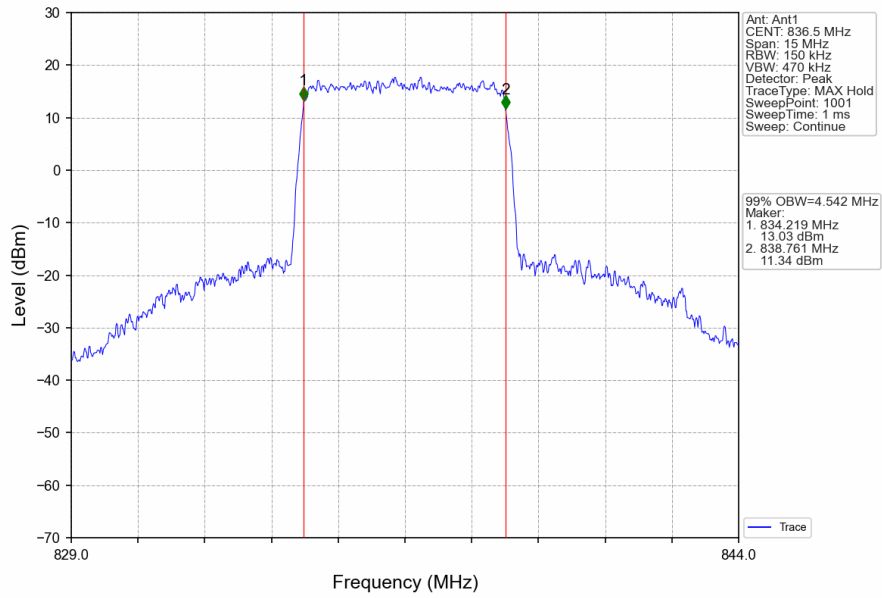
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



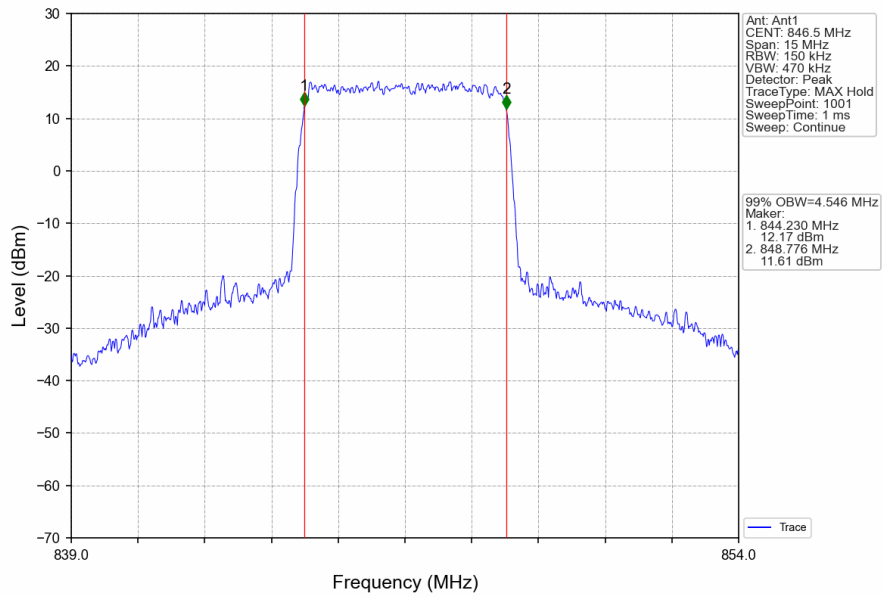
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



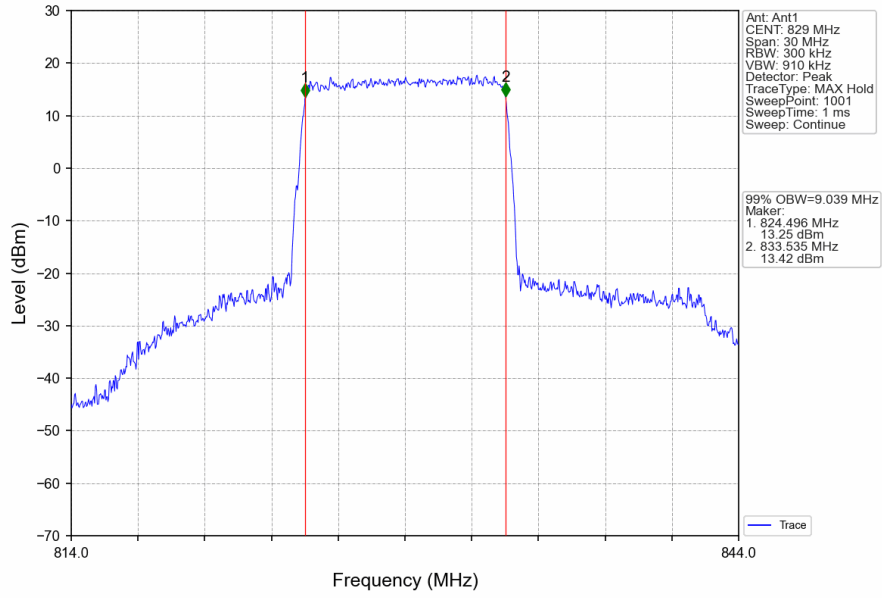
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



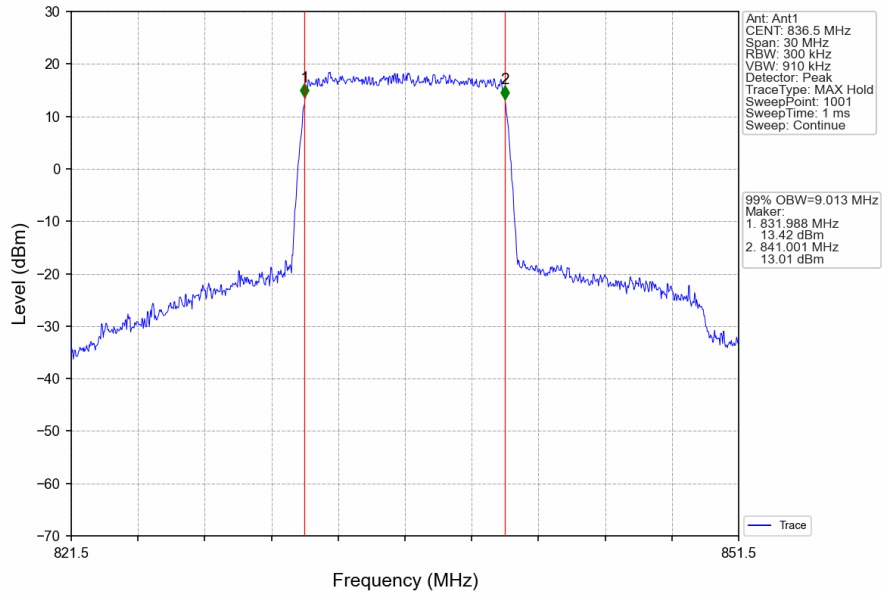
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



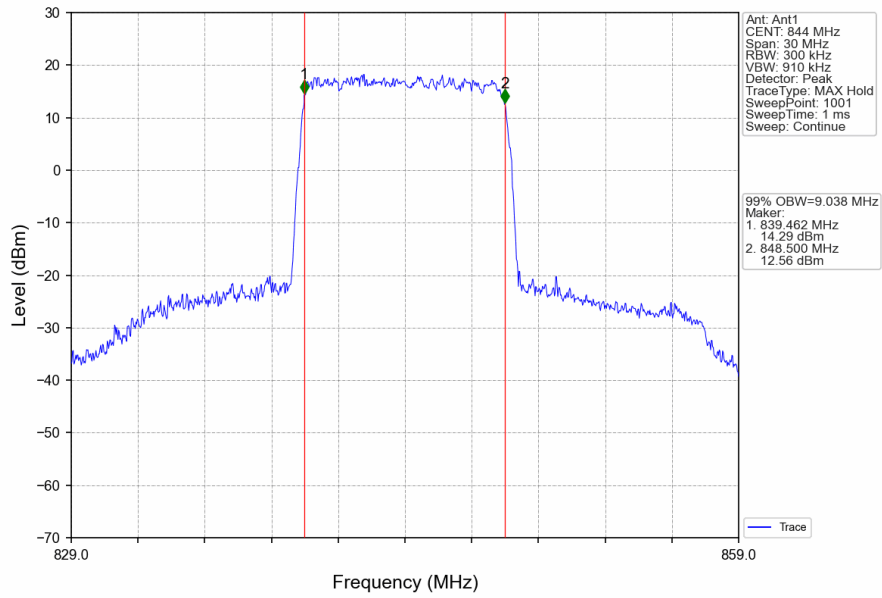
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



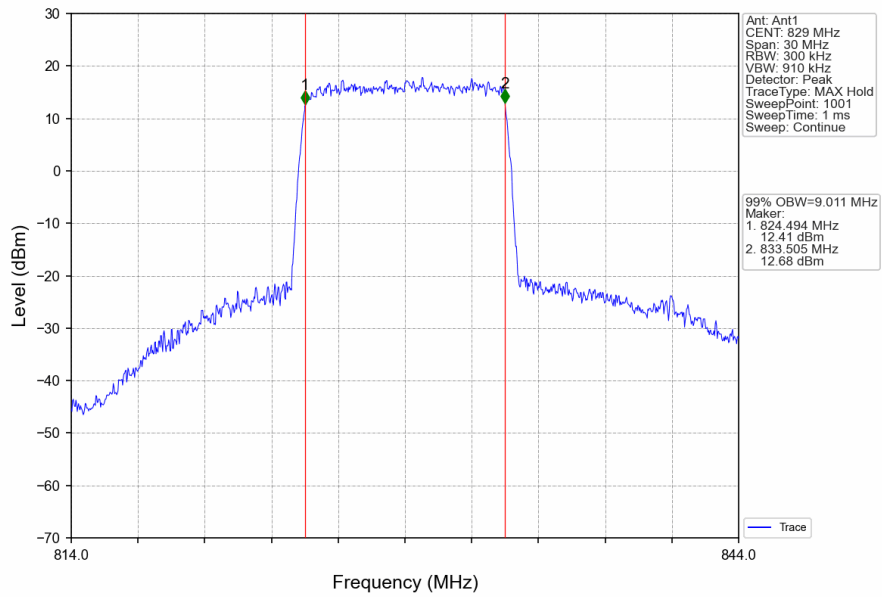
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



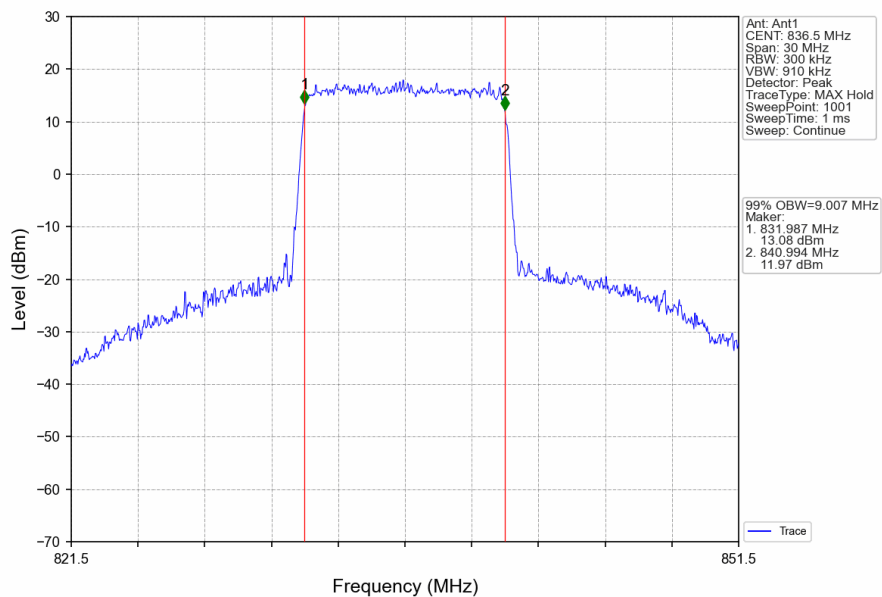
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



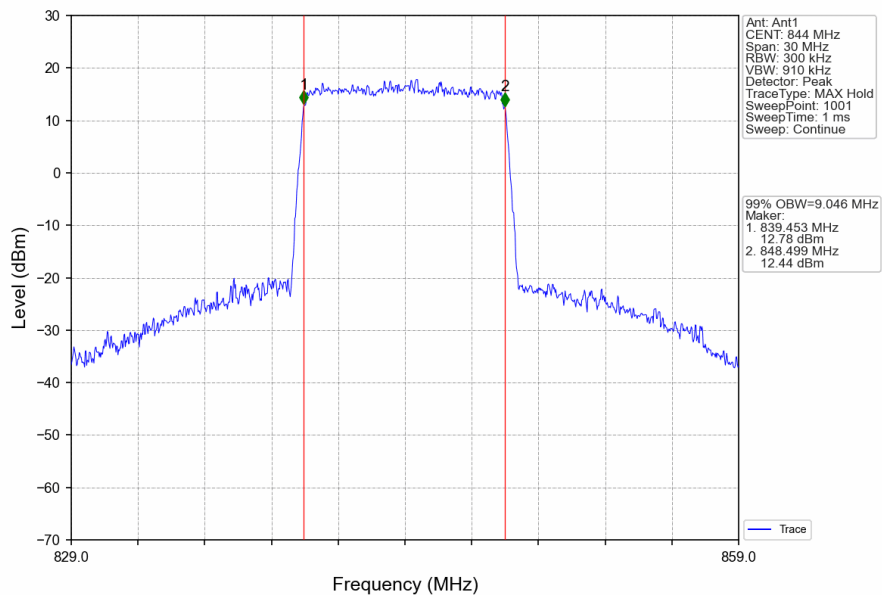
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

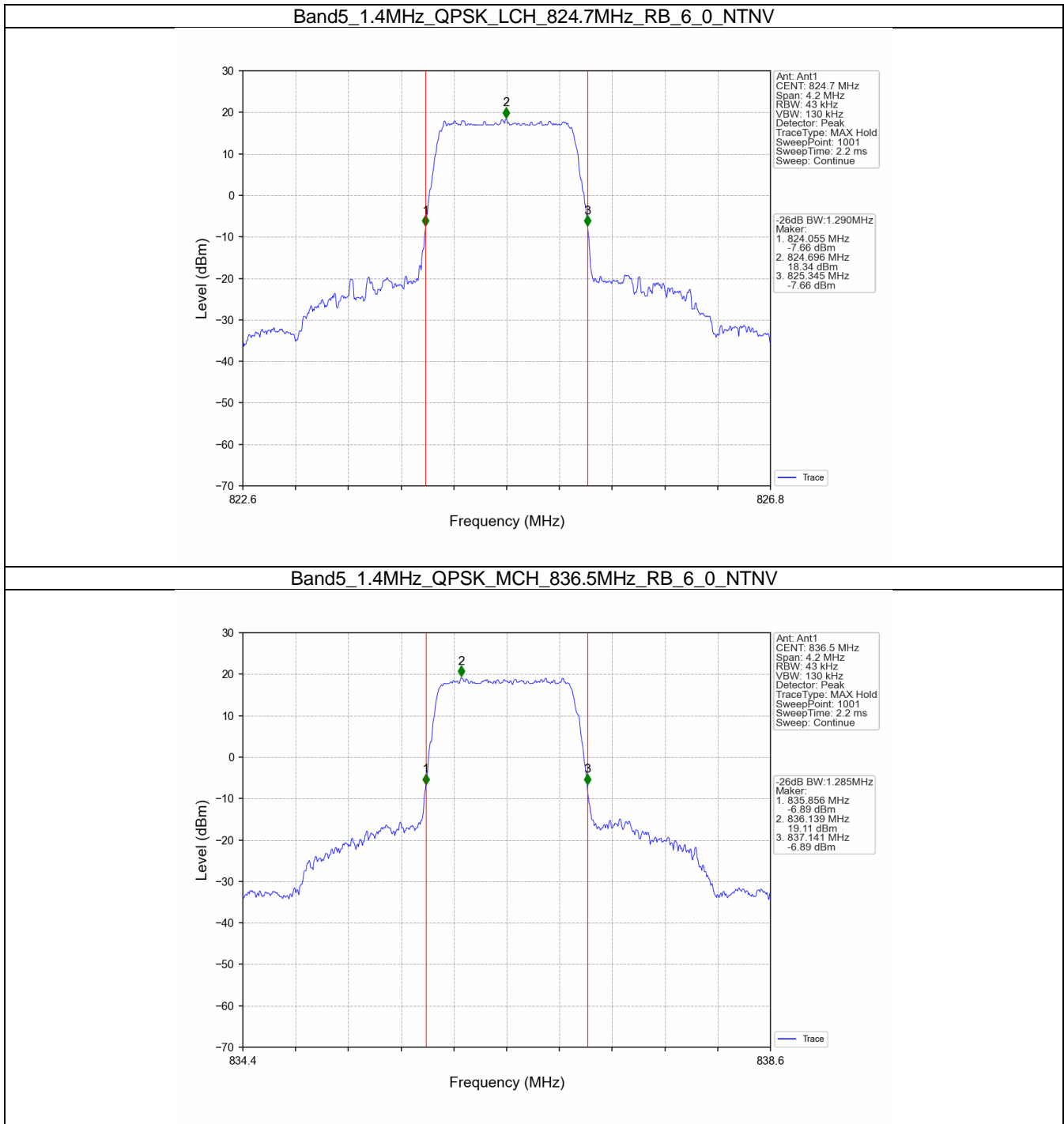


5.2 Band5_XDB

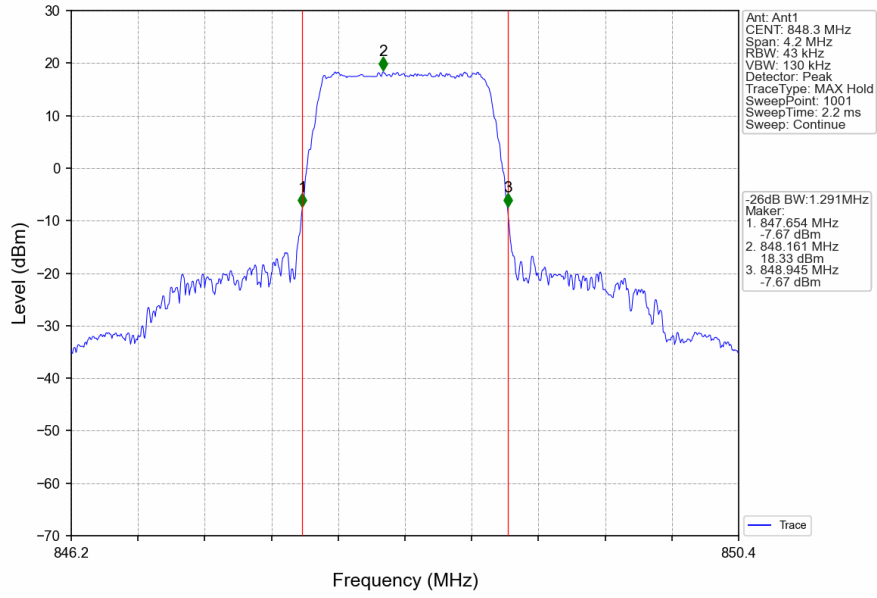
5.2.1 Test Result

Band: 5 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.290	Pass
		836.5	6	0	1.285	Pass
		848.3	6	0	1.291	Pass
	16QAM	824.7	6	0	1.283	Pass
		836.5	6	0	1.285	Pass
		848.3	6	0	1.283	Pass
3	QPSK	825.5	15	0	2.998	Pass
		836.5	15	0	2.989	Pass
		847.5	15	0	2.995	Pass
	16QAM	825.5	15	0	2.990	Pass
		836.5	15	0	2.995	Pass
		847.5	15	0	2.995	Pass
5	QPSK	826.5	25	0	4.968	Pass
		836.5	25	0	4.951	Pass
		846.5	25	0	4.955	Pass
	16QAM	826.5	25	0	4.957	Pass
		836.5	25	0	4.964	Pass
		846.5	25	0	4.973	Pass
10	QPSK	829	50	0	9.907	Pass
		836.5	50	0	9.829	Pass
		844	50	0	9.833	Pass
	16QAM	829	50	0	9.800	Pass
		836.5	50	0	9.748	Pass
		844	50	0	9.816	Pass

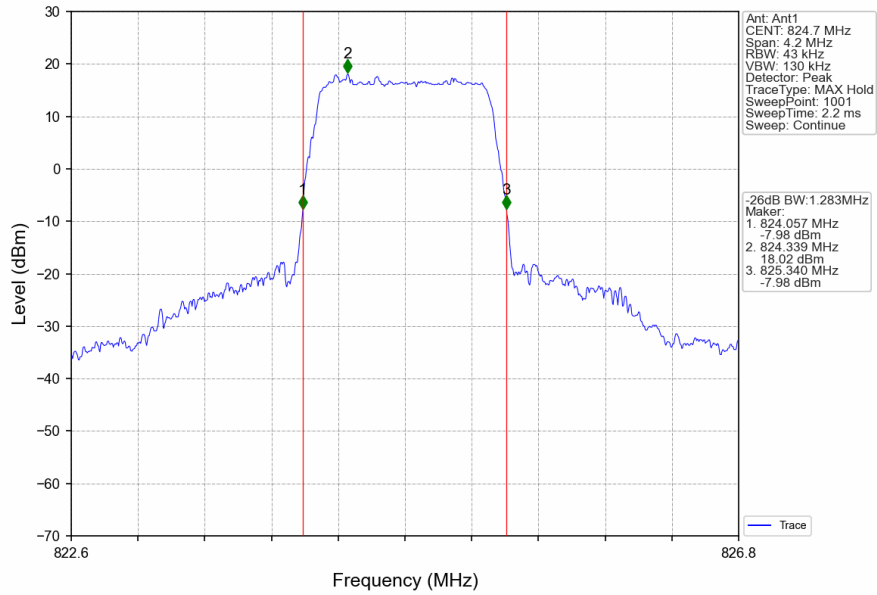
5.2.2 Test Graph



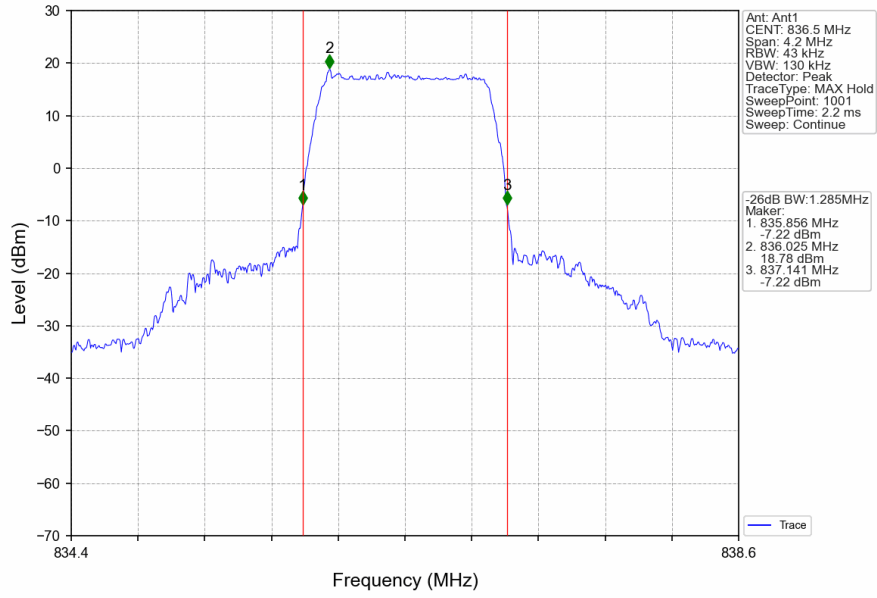
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



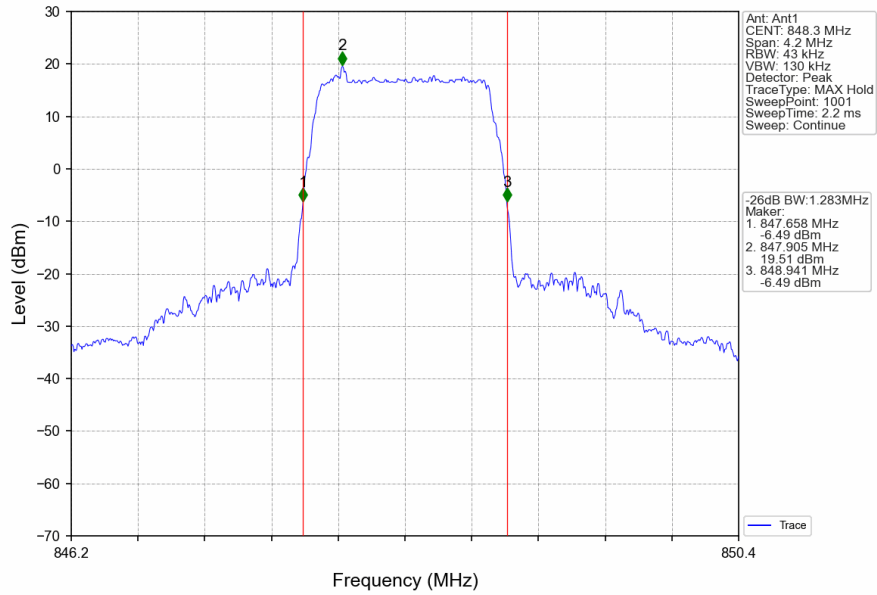
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



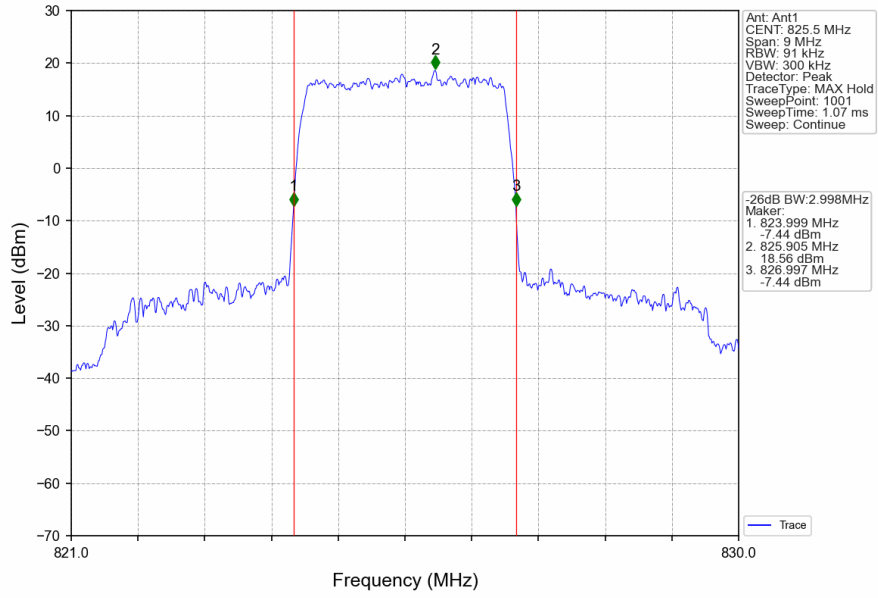
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



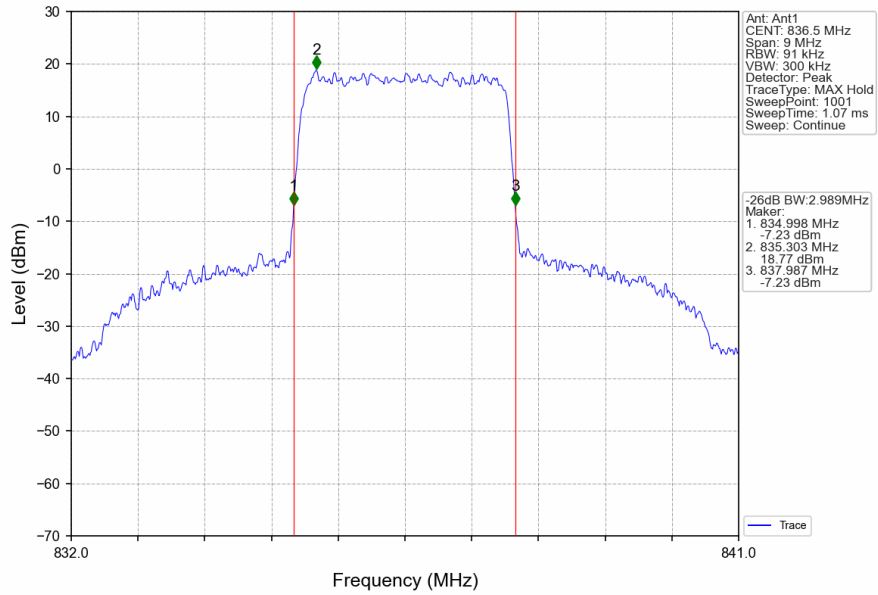
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



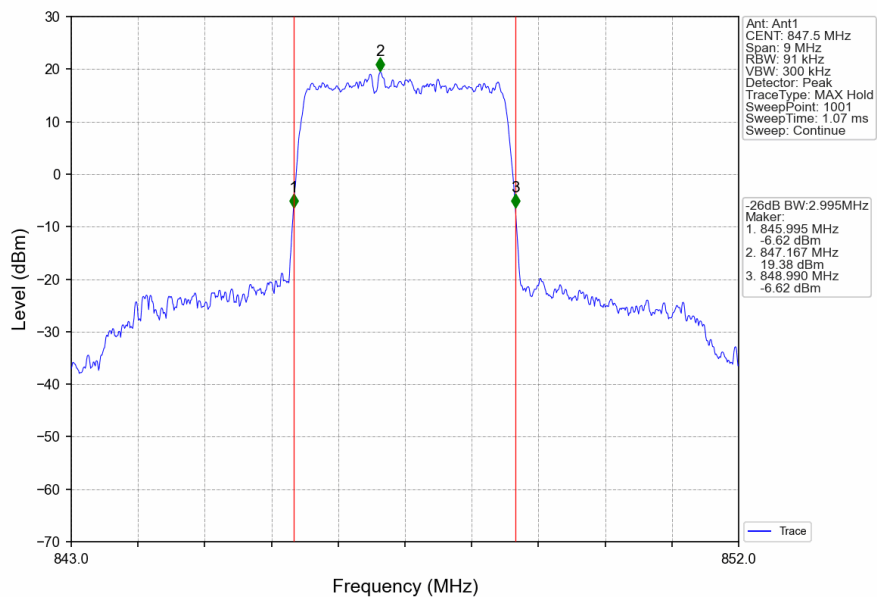
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



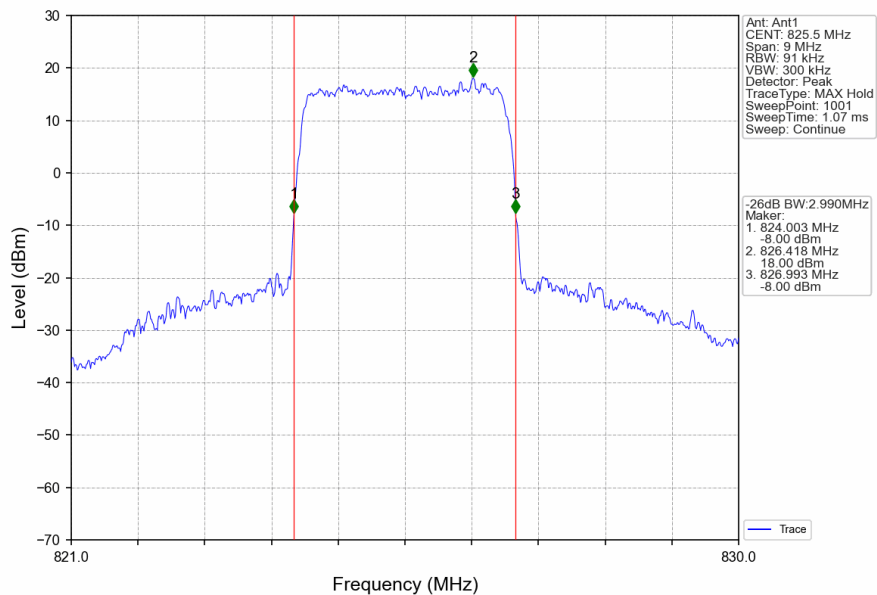
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



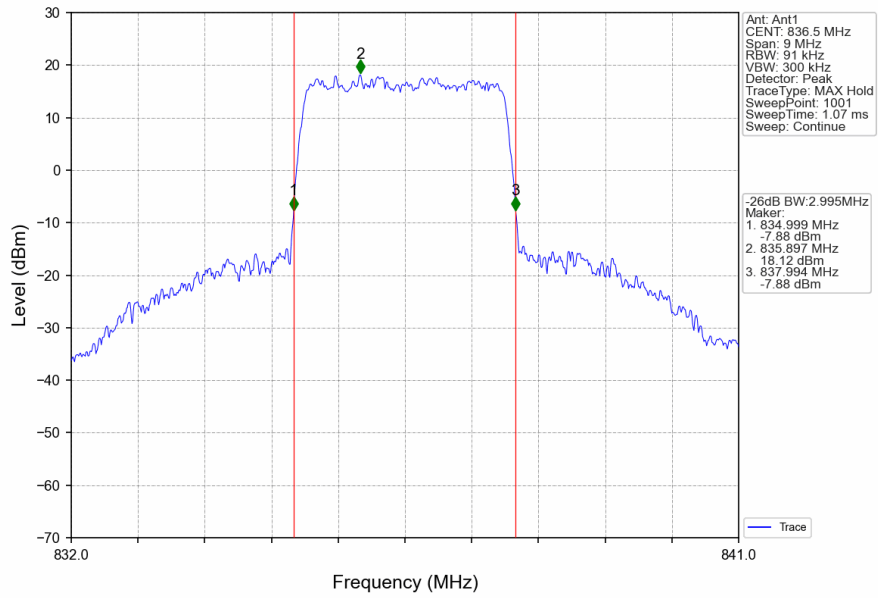
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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

