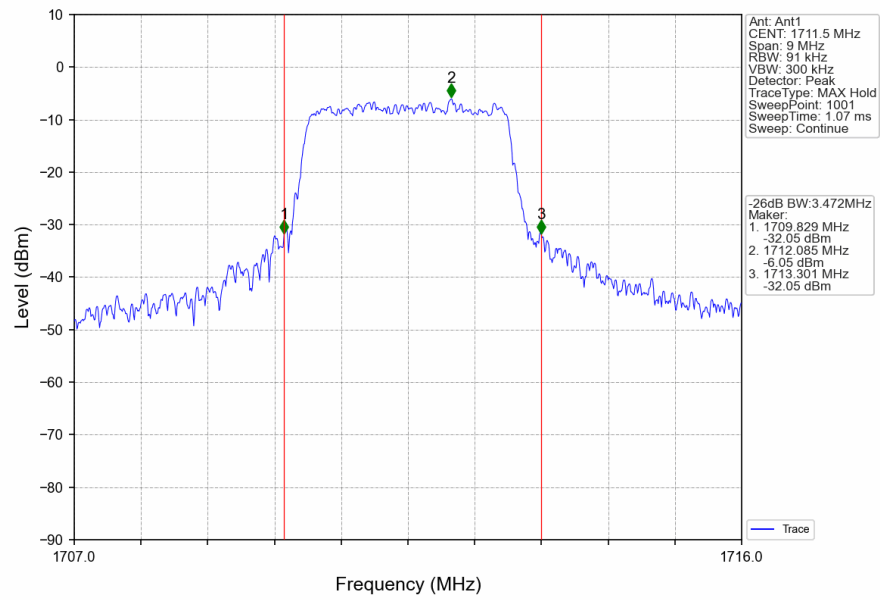
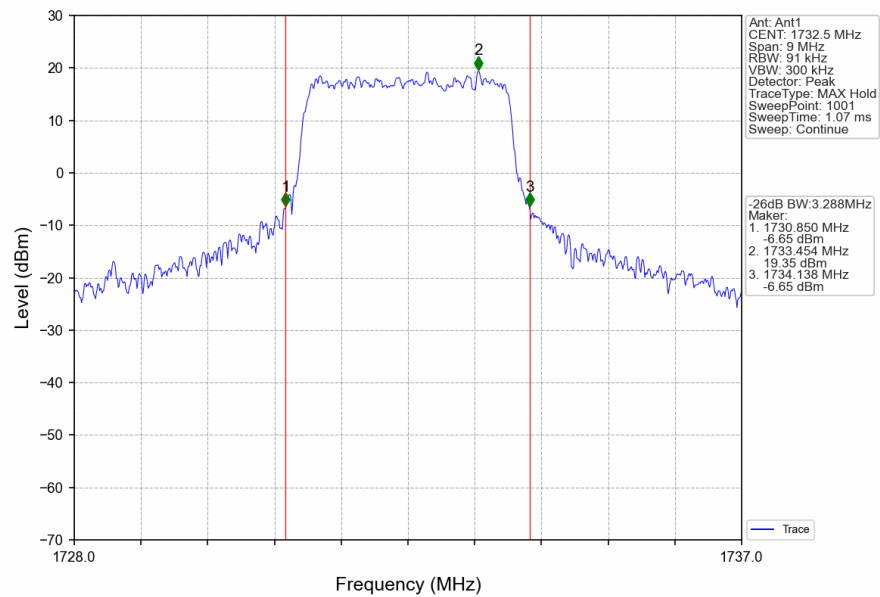


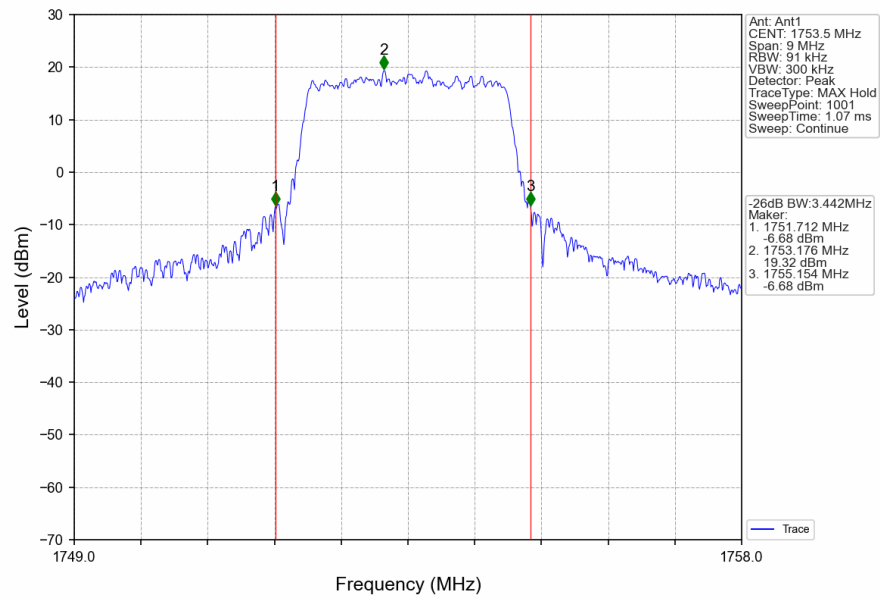
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



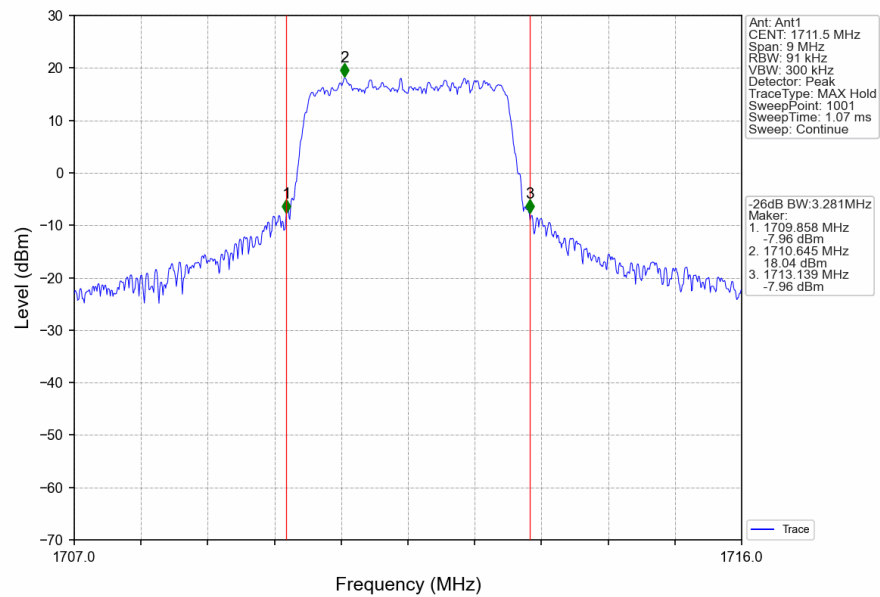
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



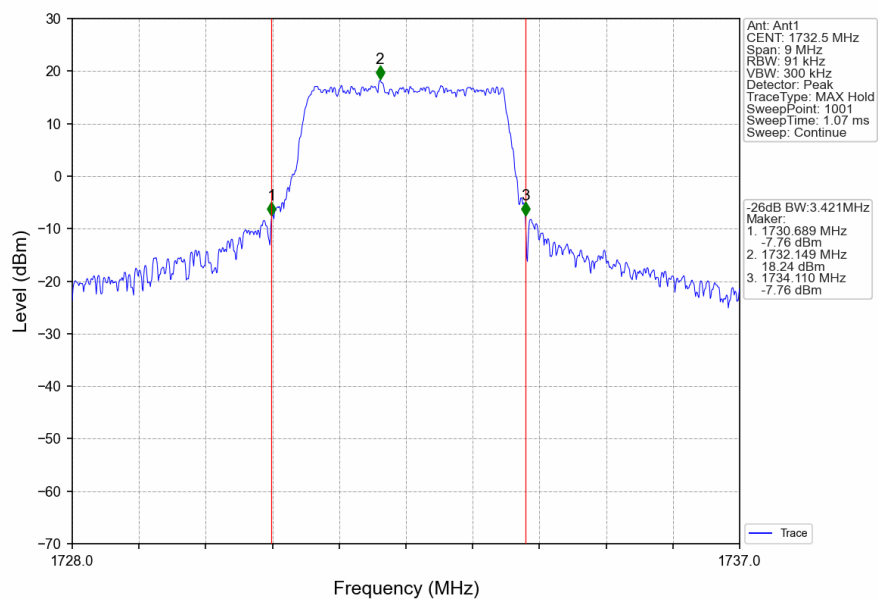
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



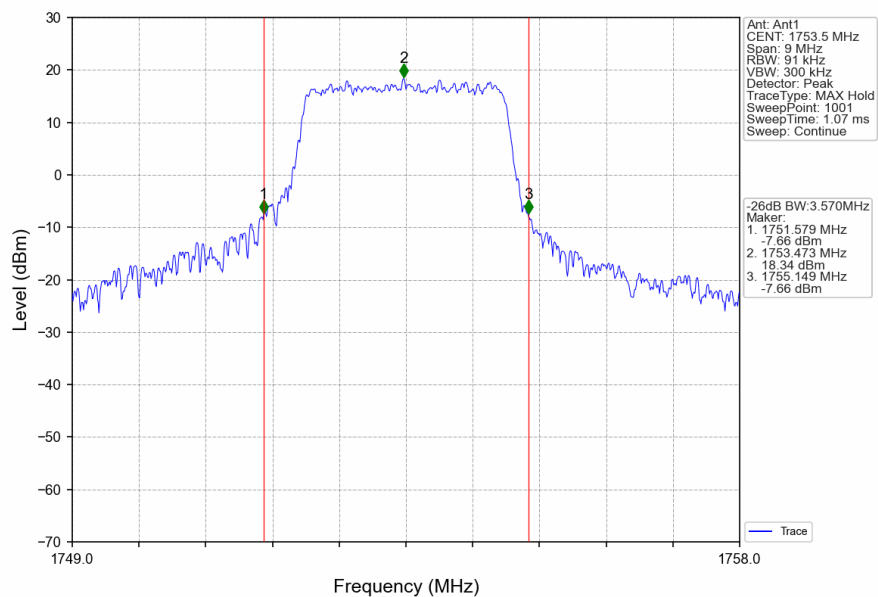
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



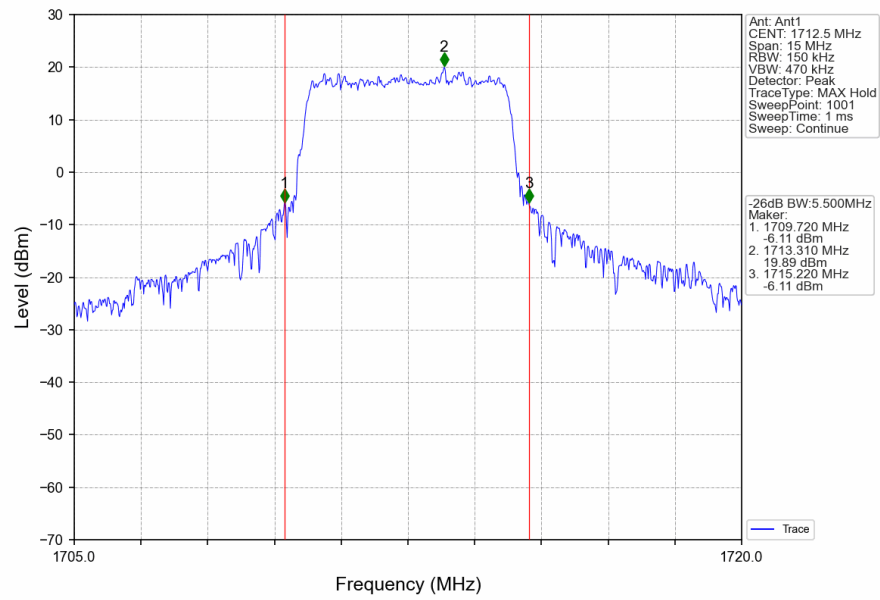
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



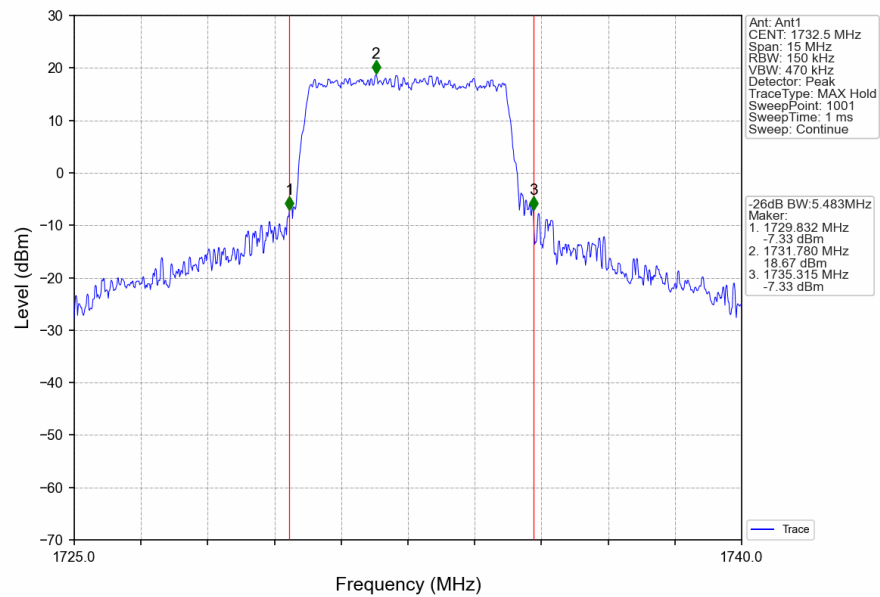
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



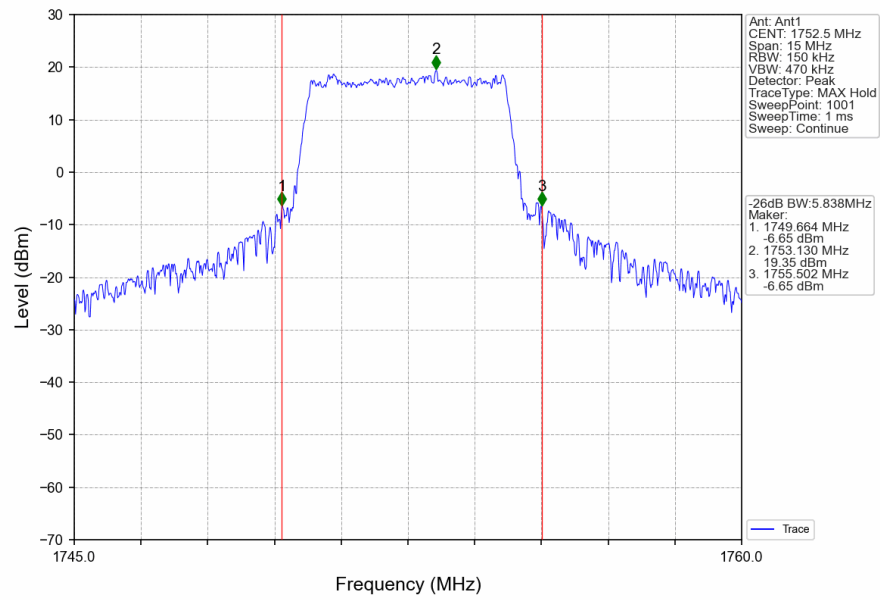
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



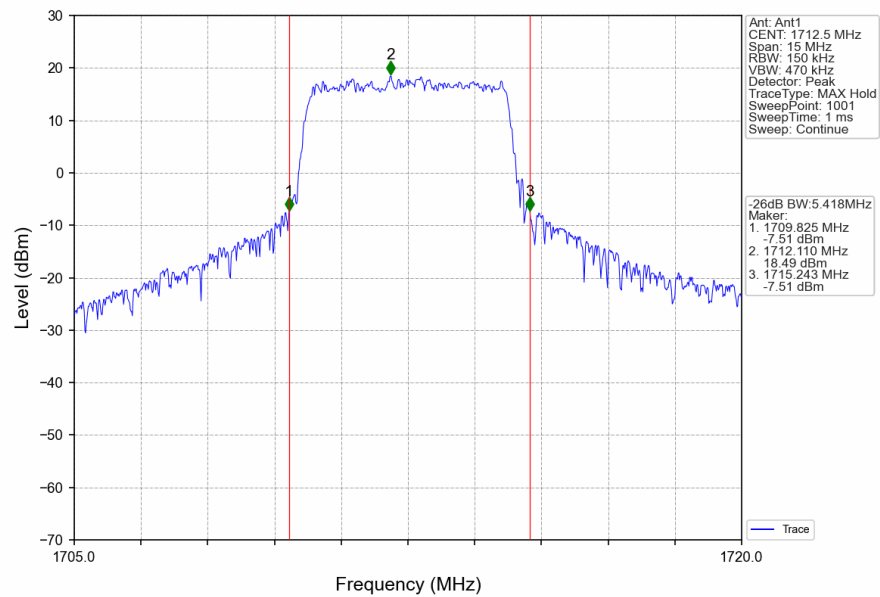
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



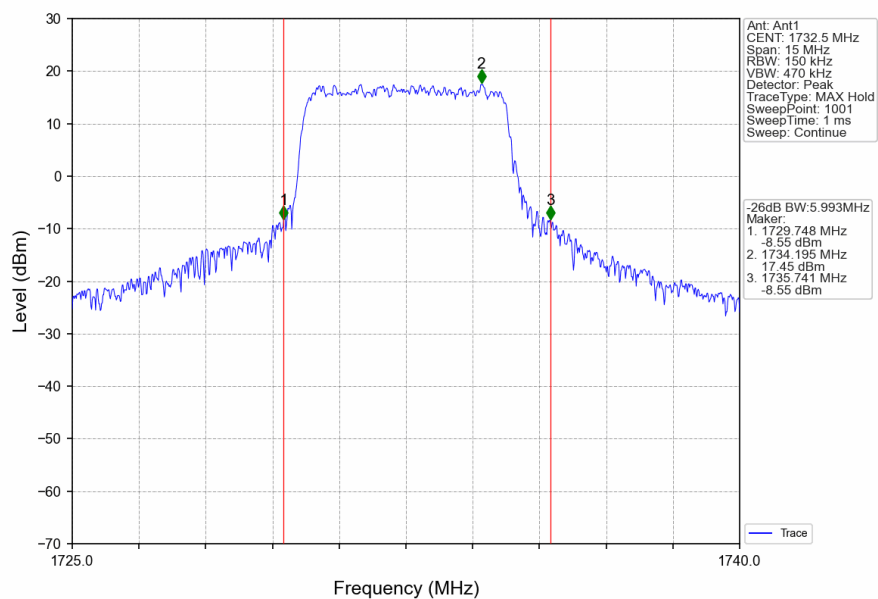
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



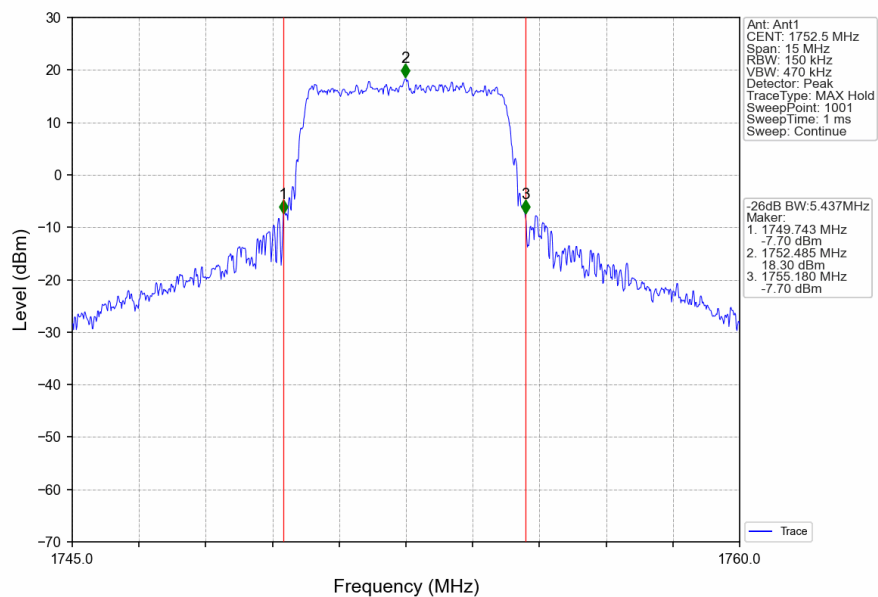
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



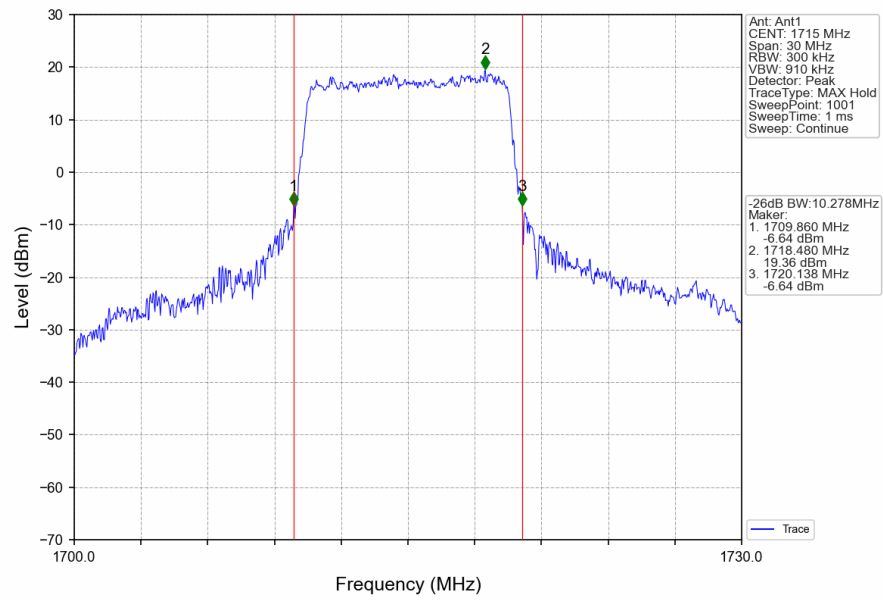
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



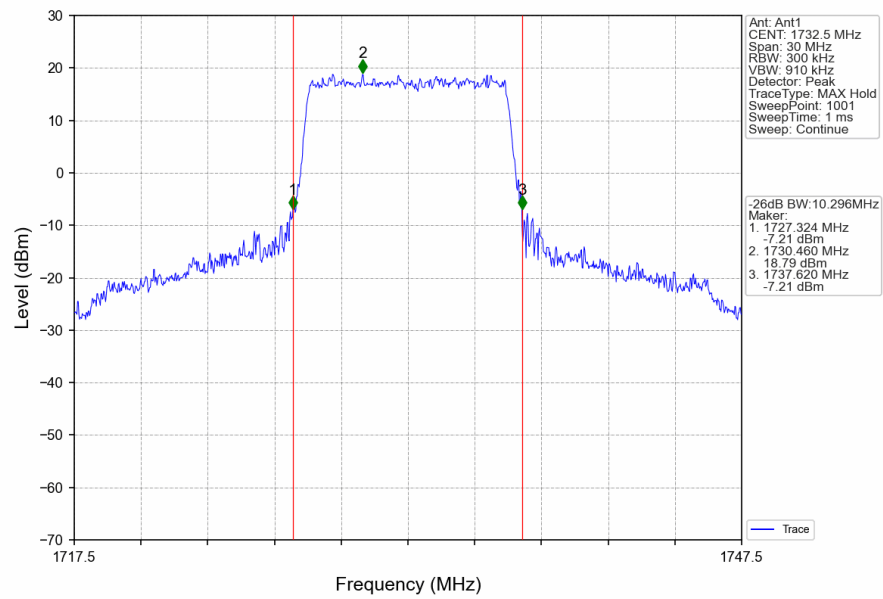
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



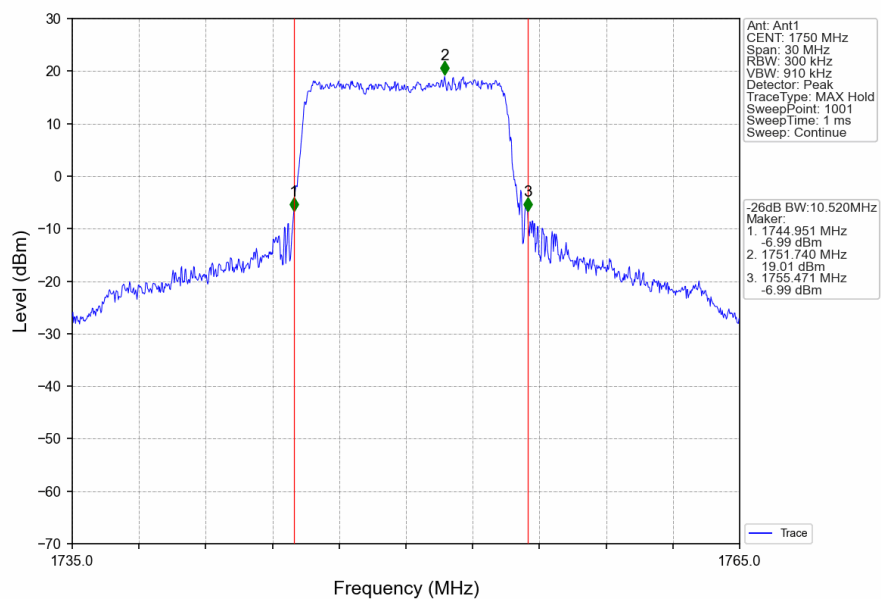
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



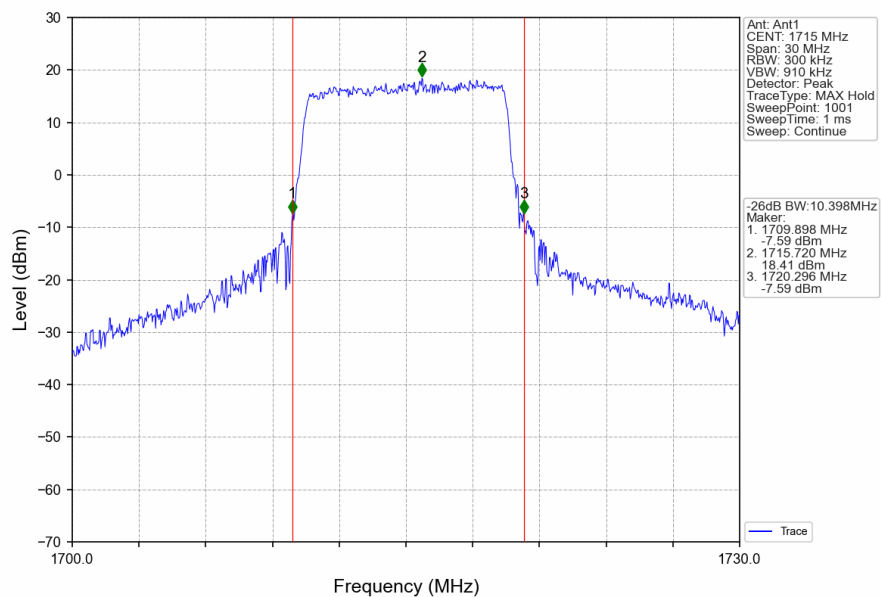
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



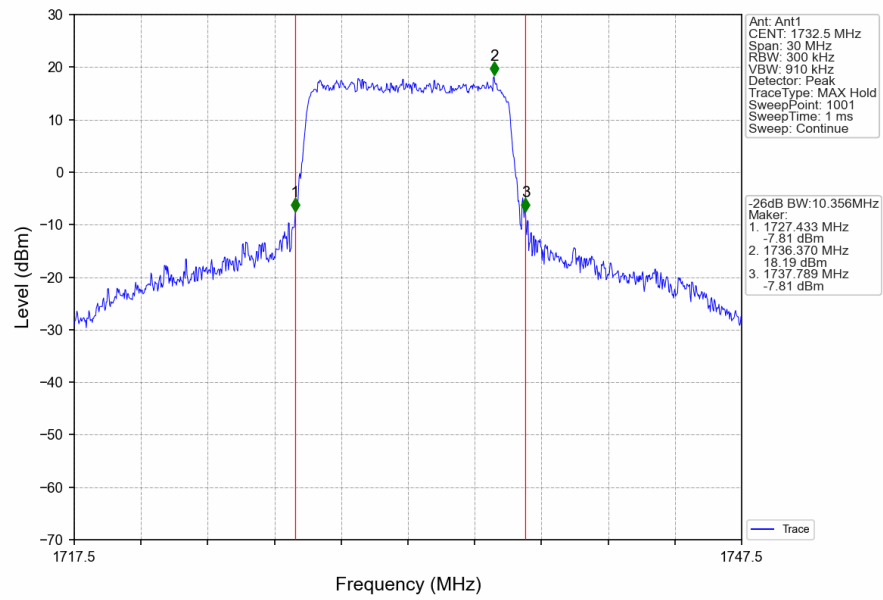
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



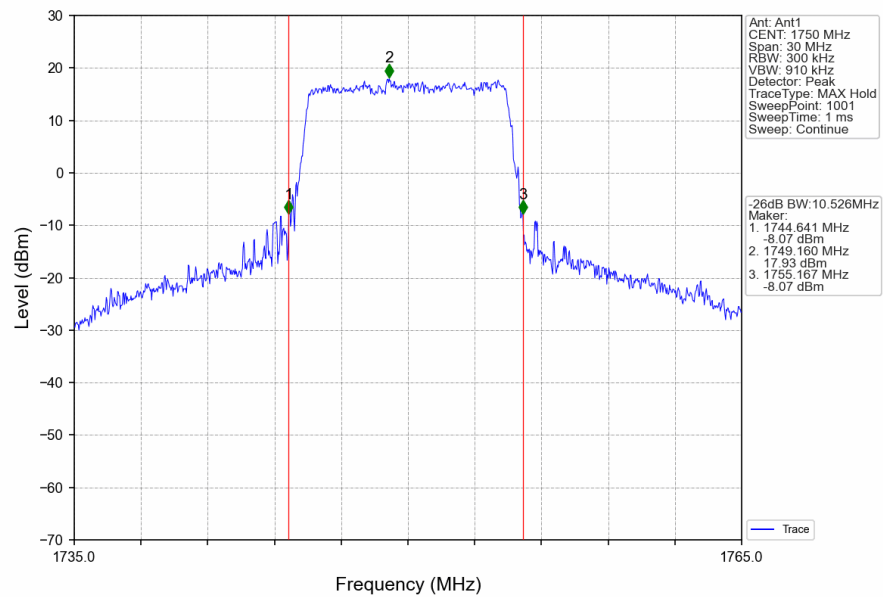
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



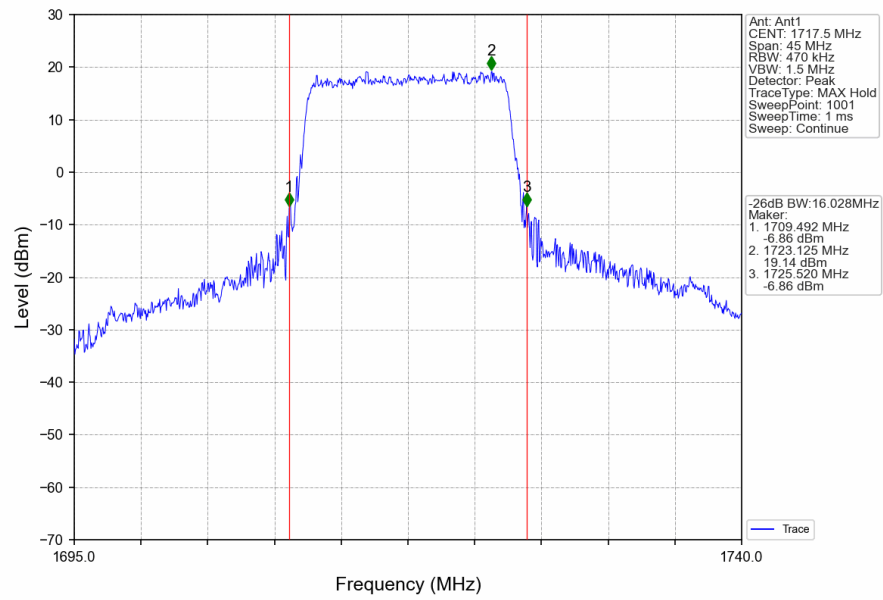
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



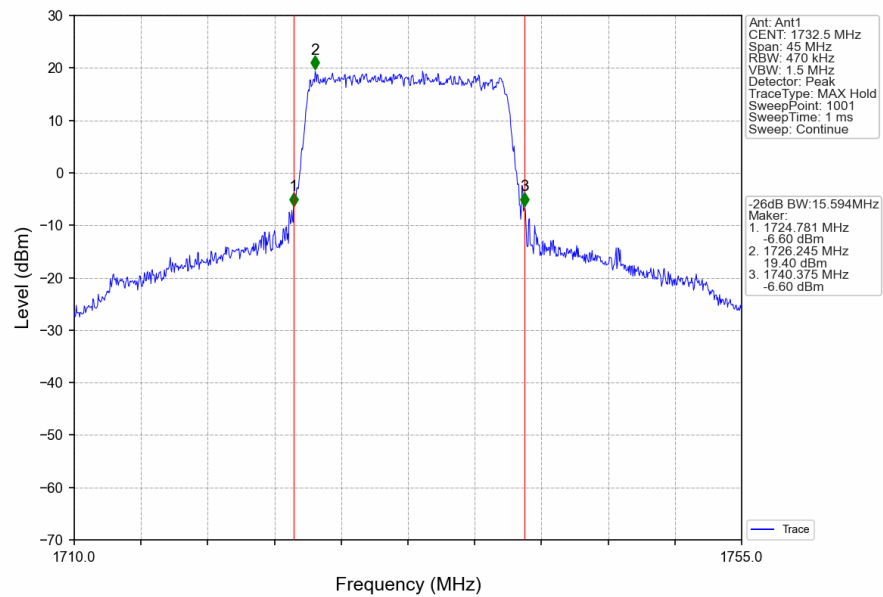
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



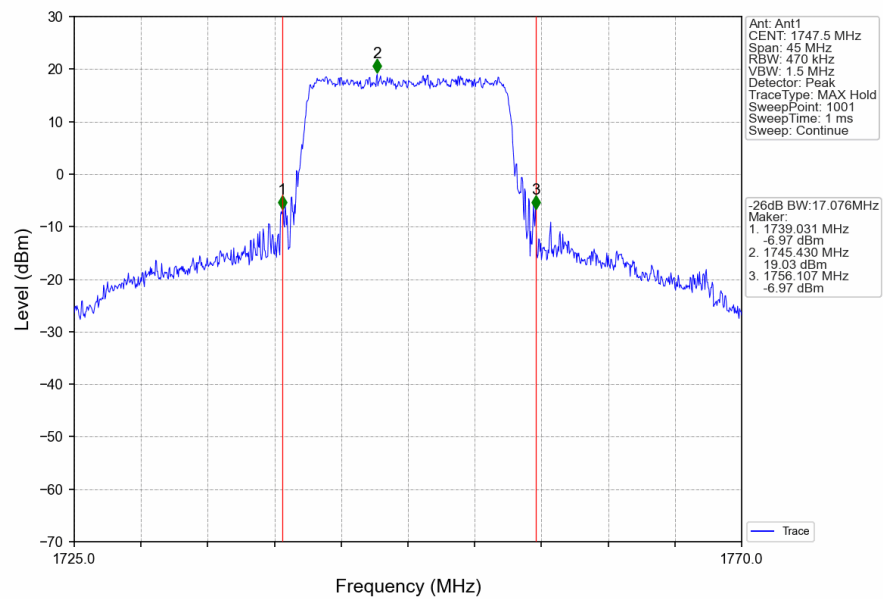
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



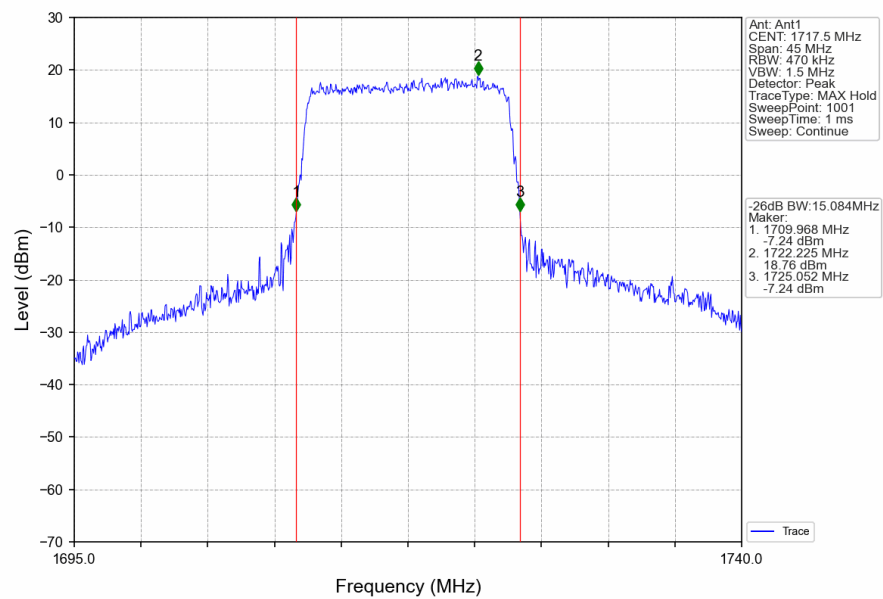
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



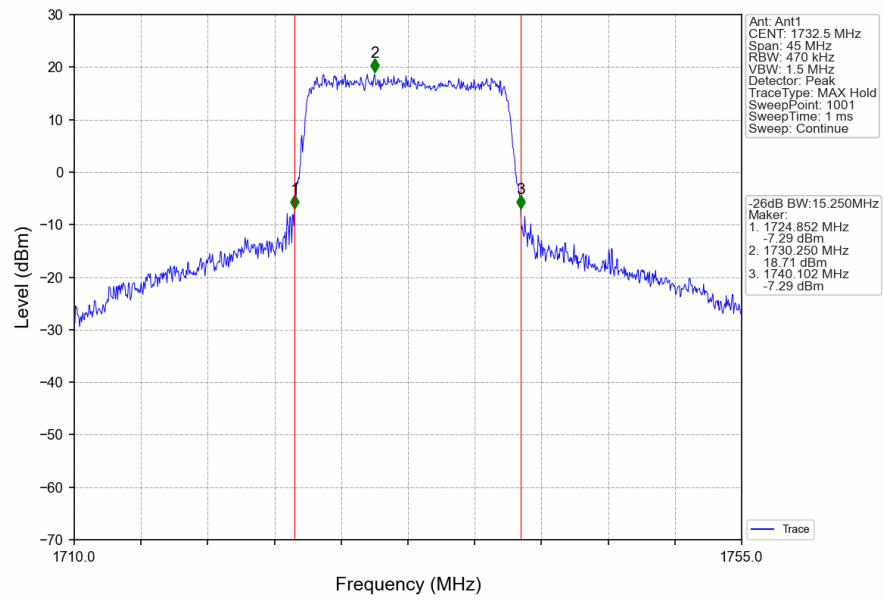
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



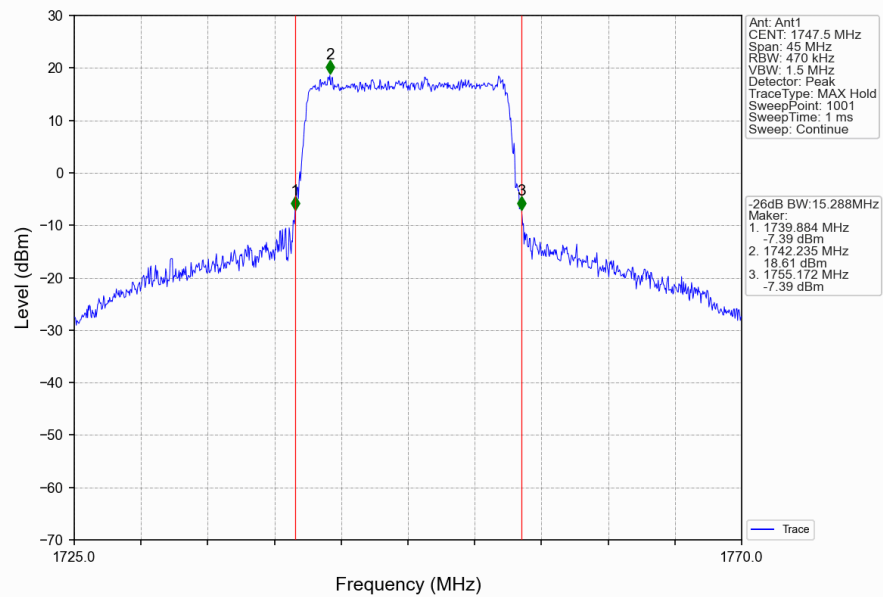
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



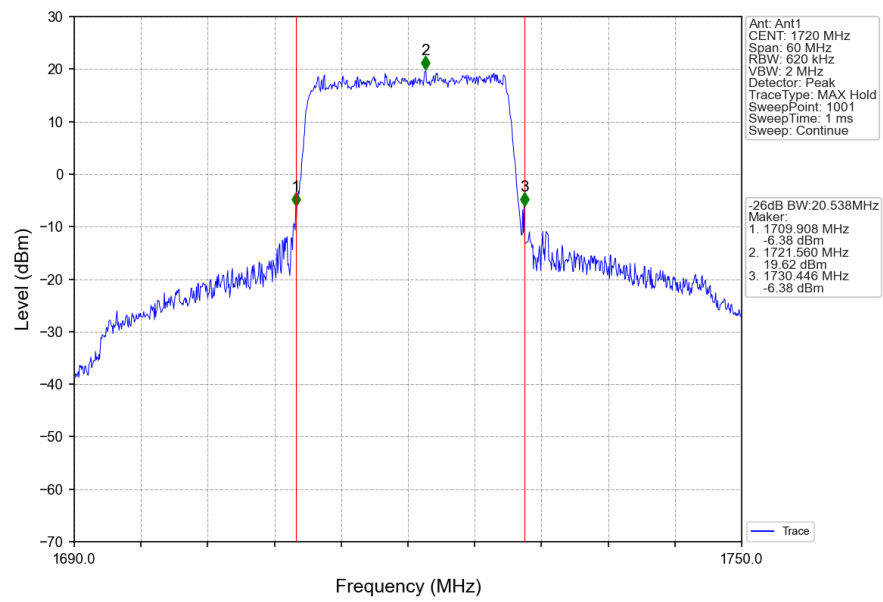
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



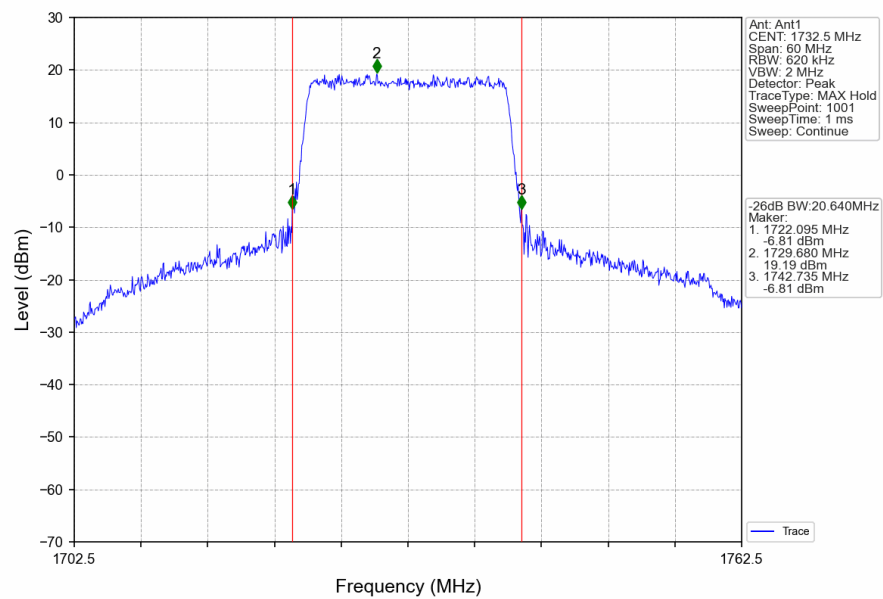
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



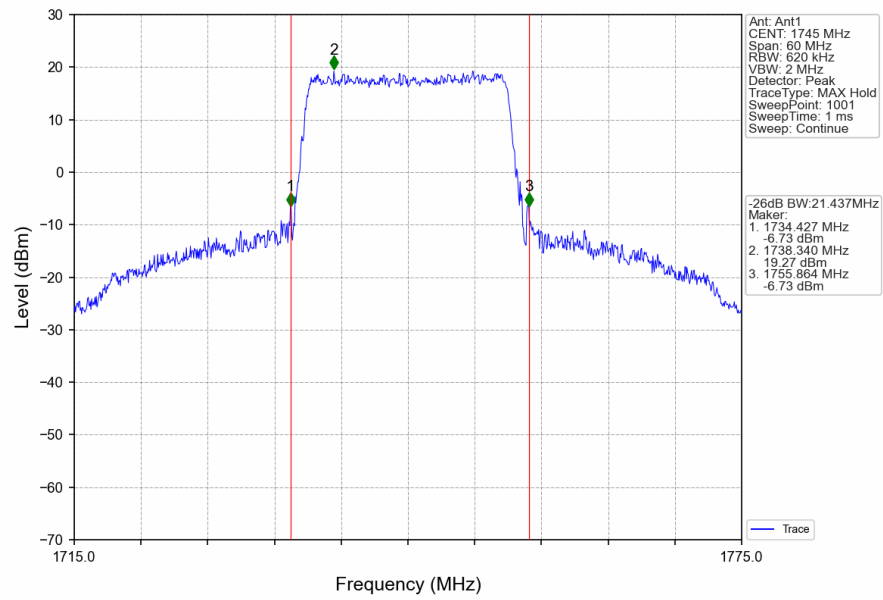
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



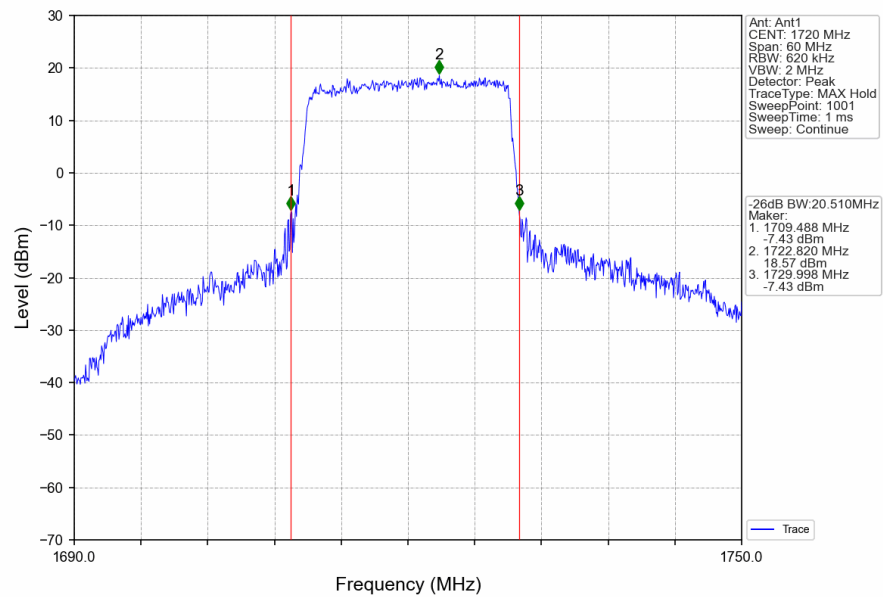
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



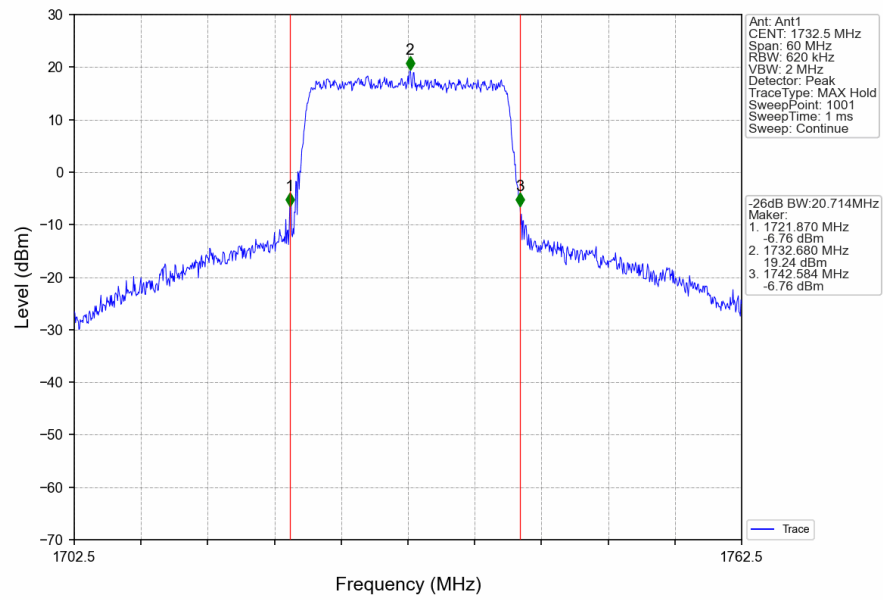
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



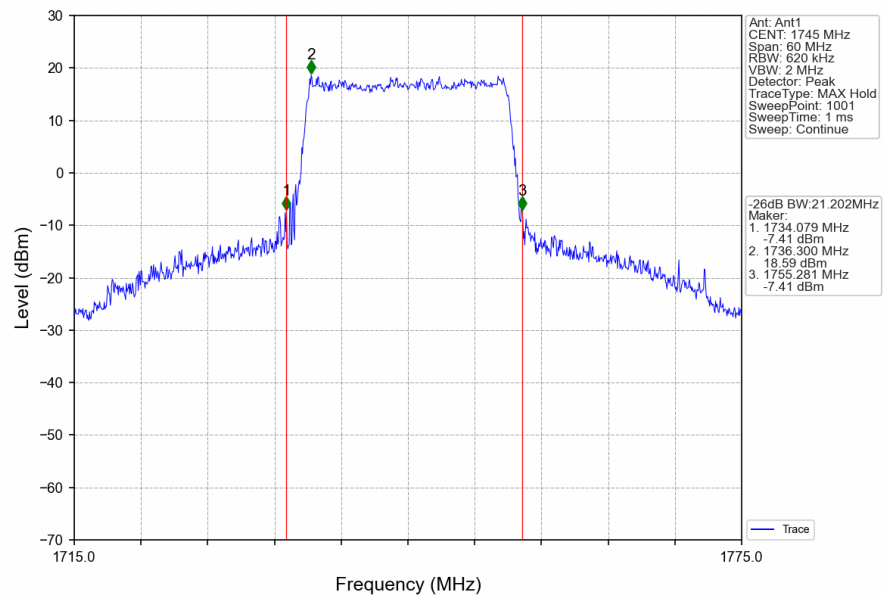
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



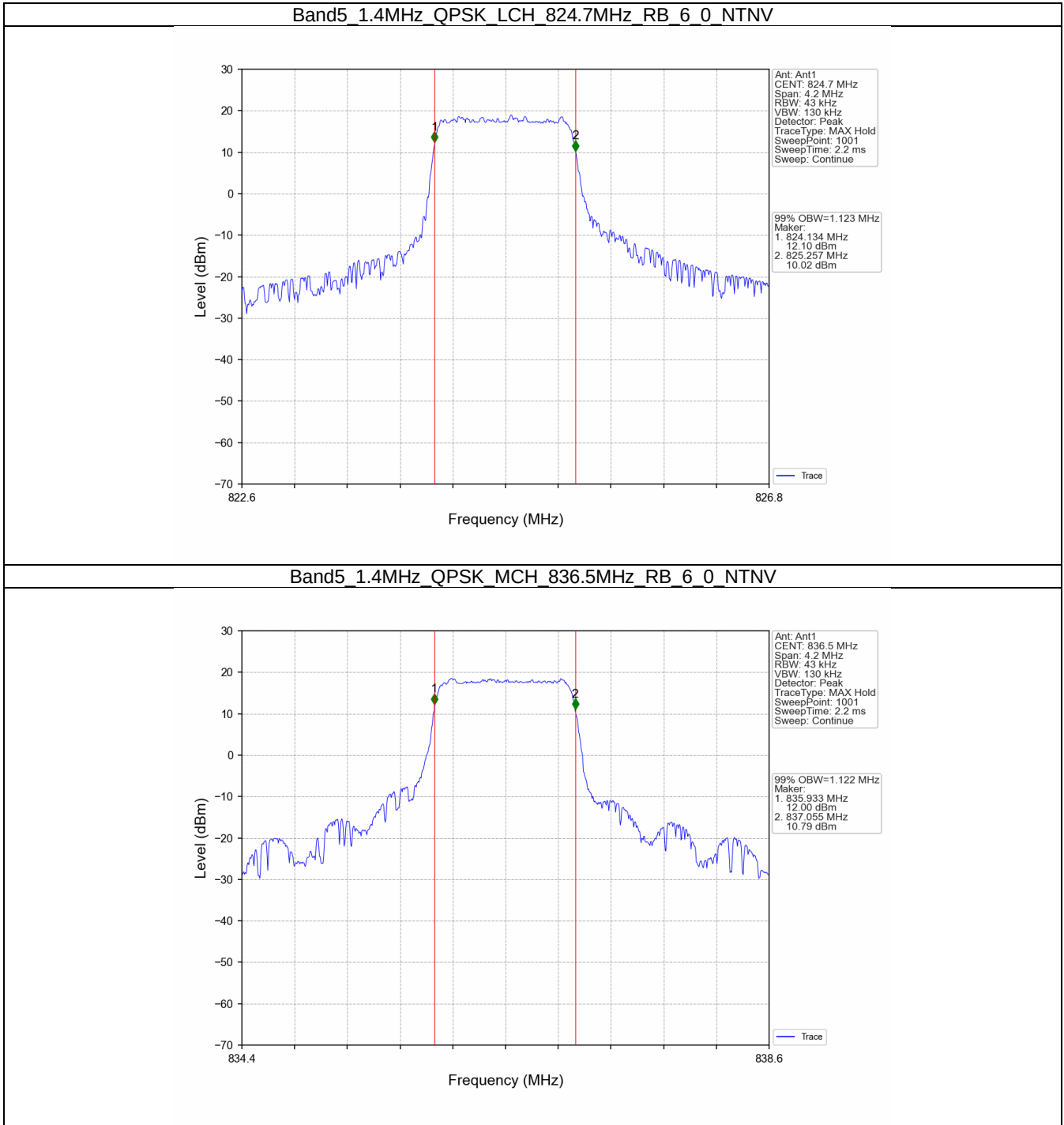
6. 99% & 26dB Bandwidth

6.1 Band5_OBW

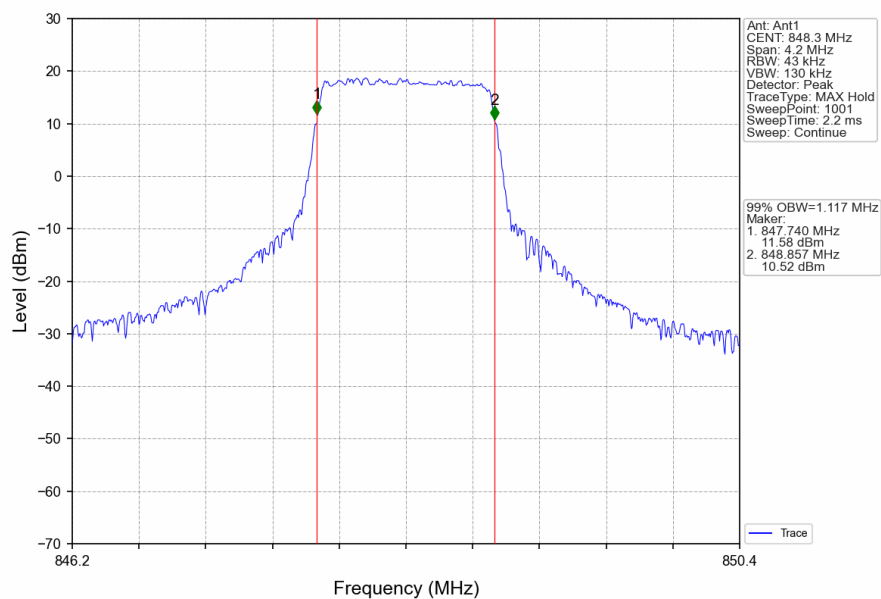
6.1.1 Test Result

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	1.123	/	Pass
		836.5	6	0	1.122	/	Pass
		848.3	6	0	1.117	/	Pass
	16QAM	824.7	6	0	1.130	/	Pass
		836.5	6	0	1.126	/	Pass
		848.3	6	0	1.122	/	Pass
3	QPSK	825.5	15	0	2.770	/	Pass
		836.5	15	0	2.779	/	Pass
		847.5	15	0	2.784	/	Pass
	16QAM	825.5	15	0	2.774	/	Pass
		836.5	15	0	2.780	/	Pass
		847.5	15	0	2.794	/	Pass
5	QPSK	826.5	25	0	4.591	/	Pass
		836.5	25	0	4.555	/	Pass
		846.5	25	0	4.584	/	Pass
	16QAM	826.5	25	0	4.560	/	Pass
		836.5	25	0	4.617	/	Pass
		846.5	25	0	4.604	/	Pass
10	QPSK	829	50	0	9.102	/	Pass
		836.5	50	0	9.039	/	Pass
		844	50	0	9.094	/	Pass
	16QAM	829	50	0	9.081	/	Pass
		836.5	50	0	9.053	/	Pass
		844	50	0	9.087	/	Pass

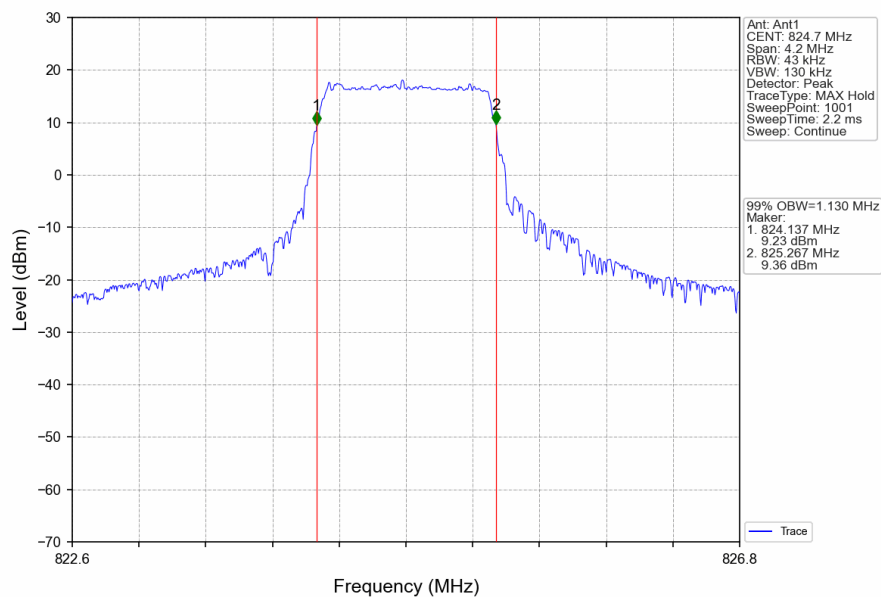
6.1.2 Test Graph



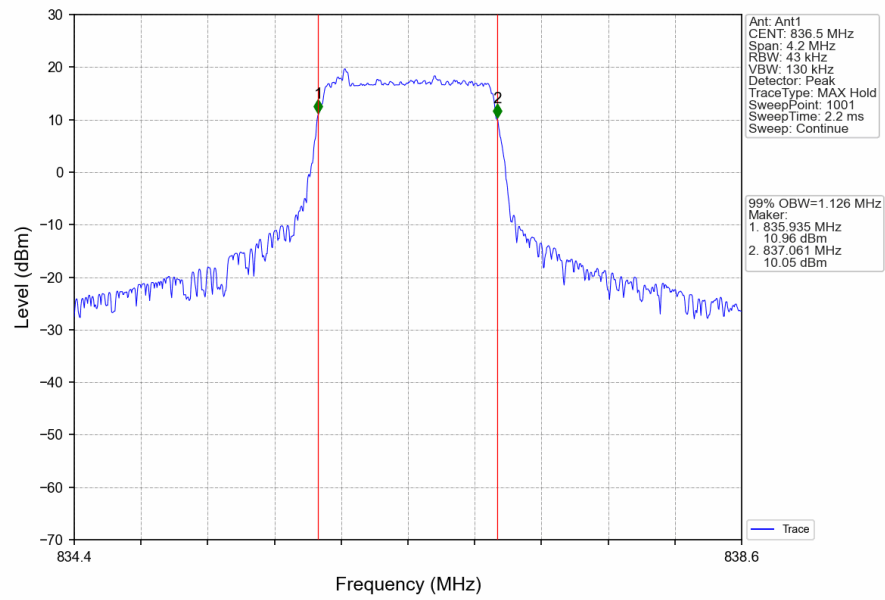
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



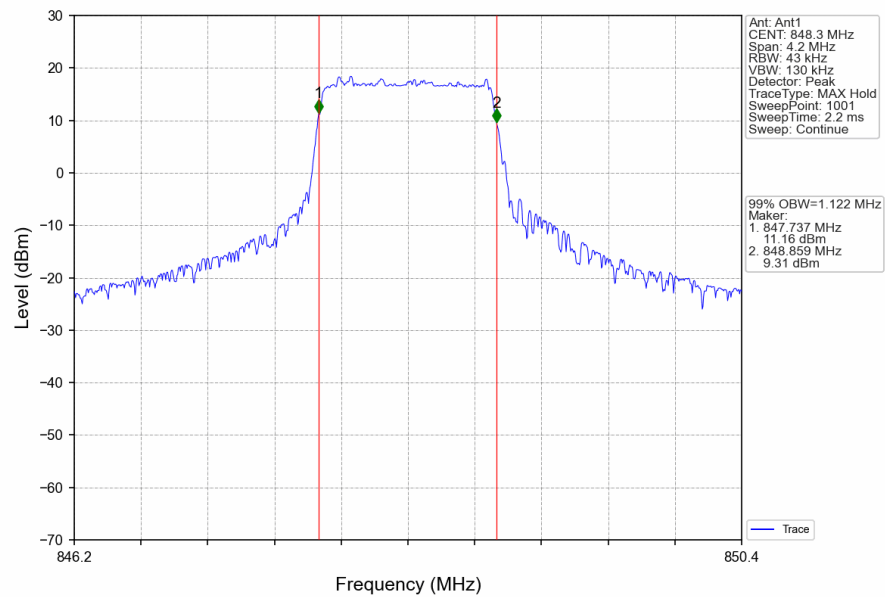
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



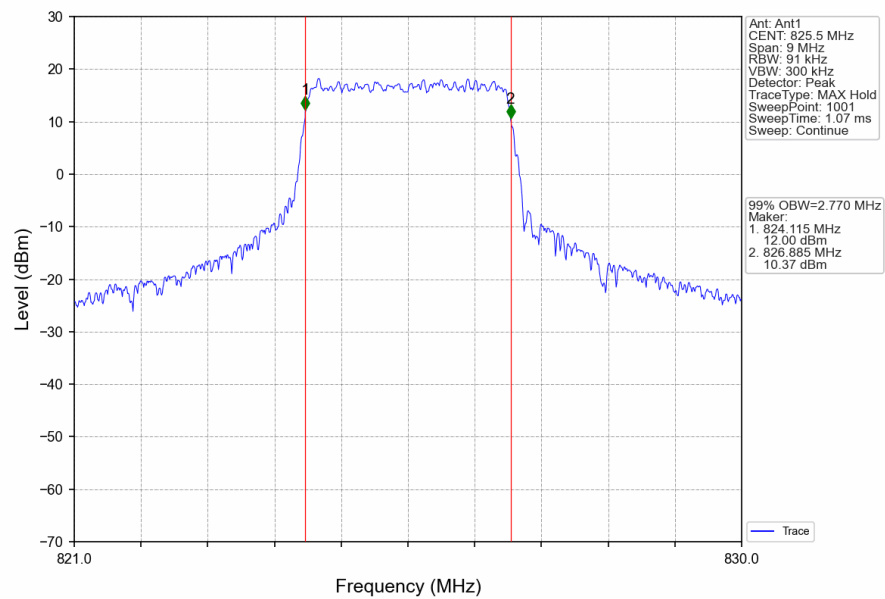
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



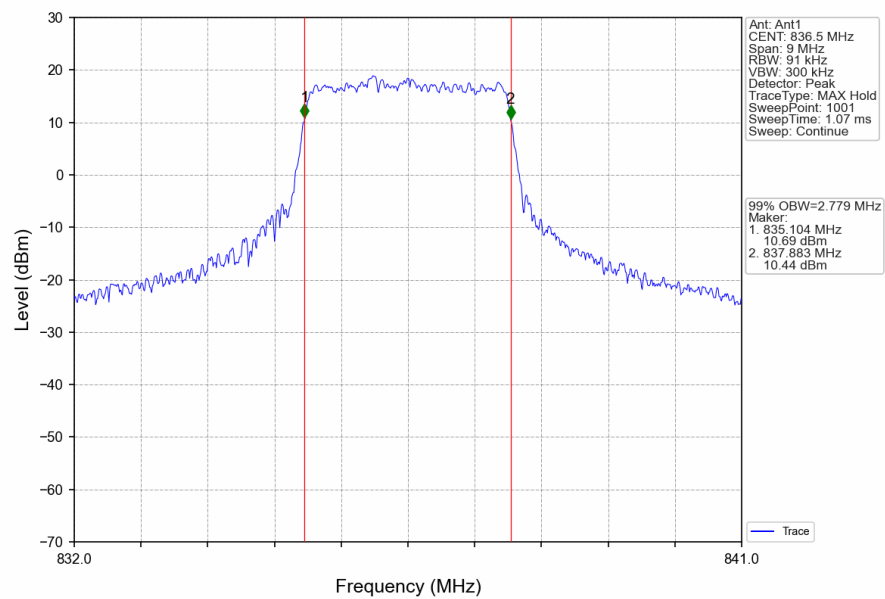
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



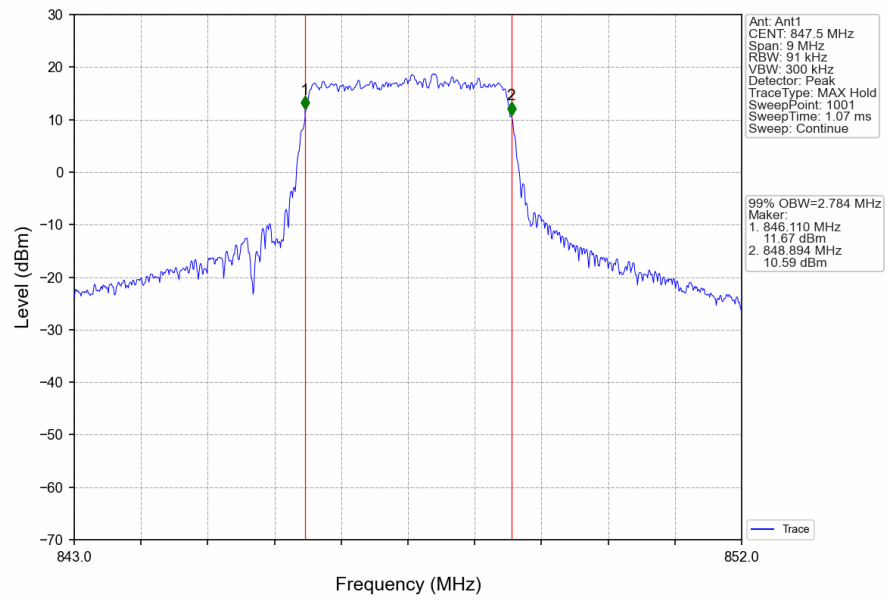
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



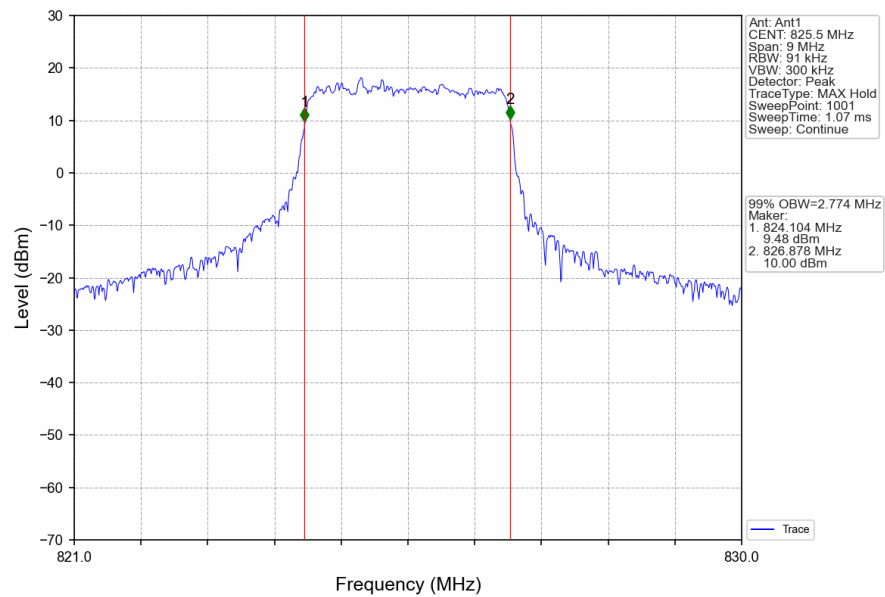
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



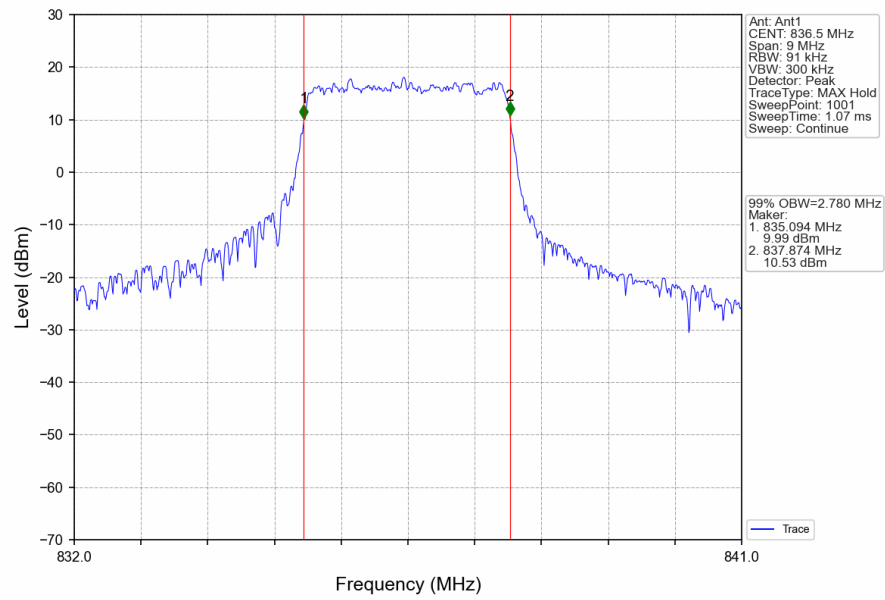
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



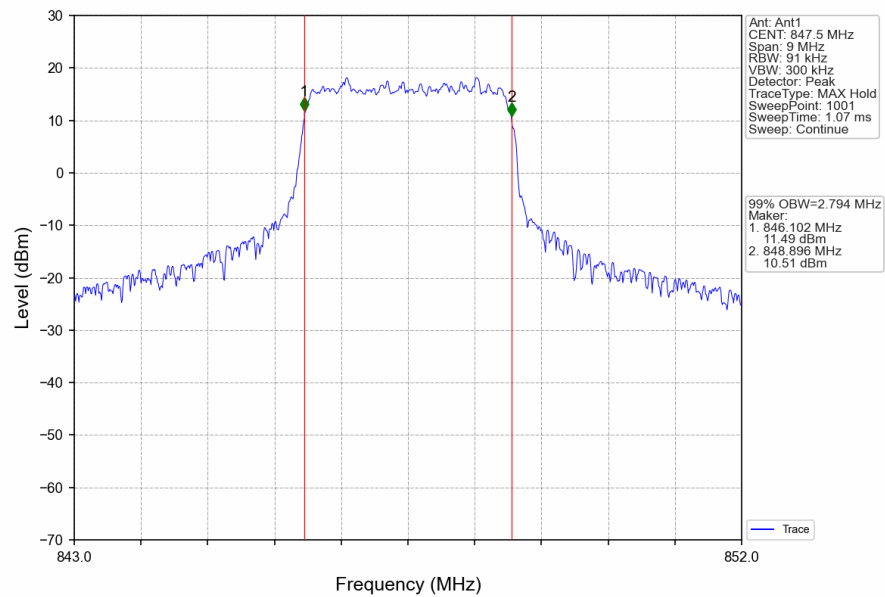
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



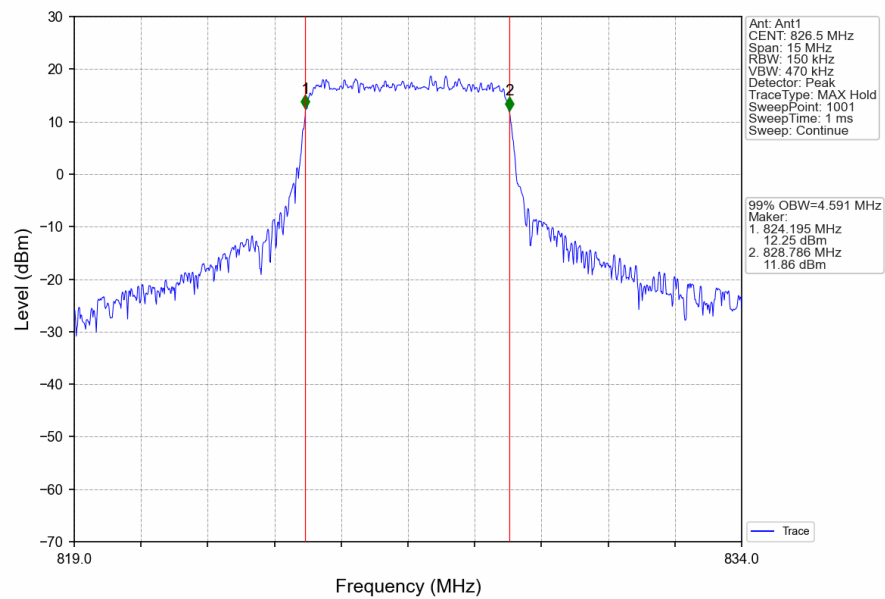
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



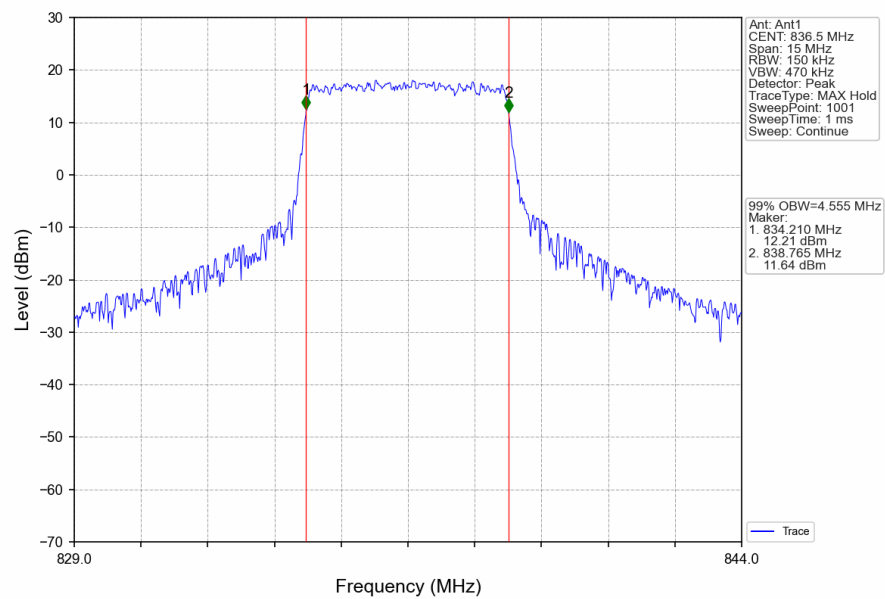
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



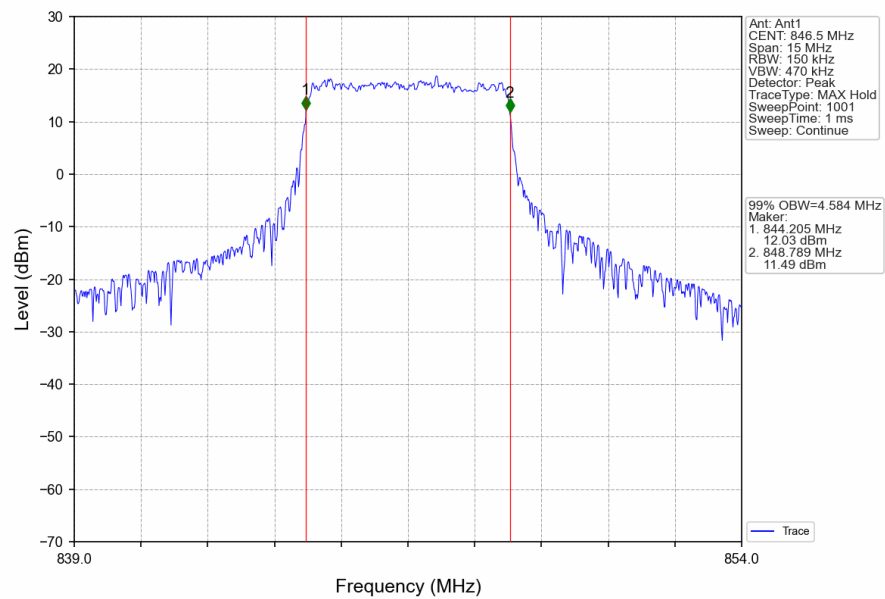
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



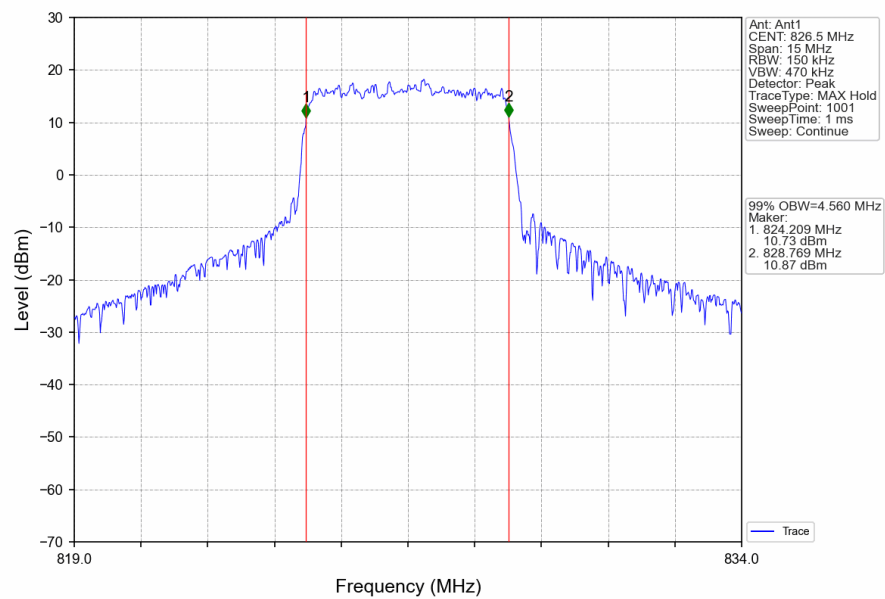
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



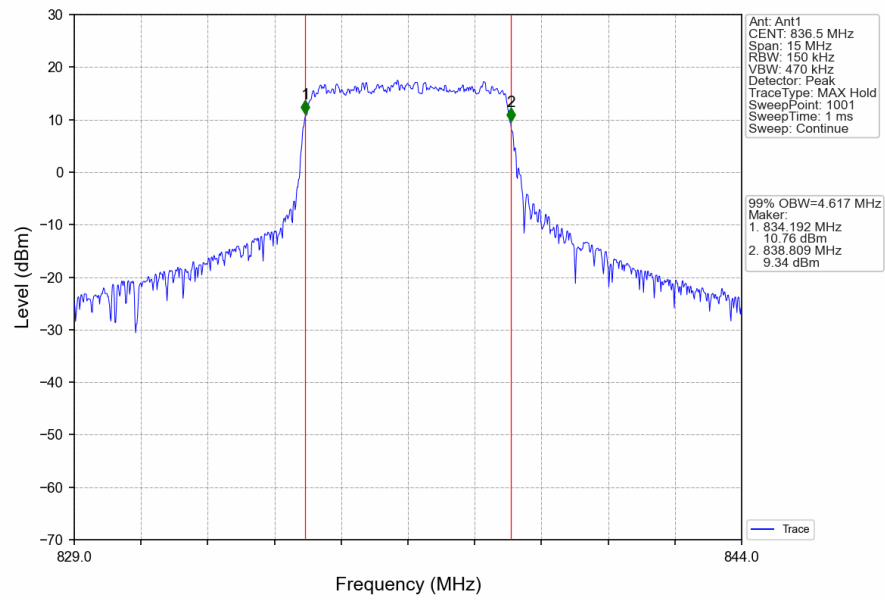
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



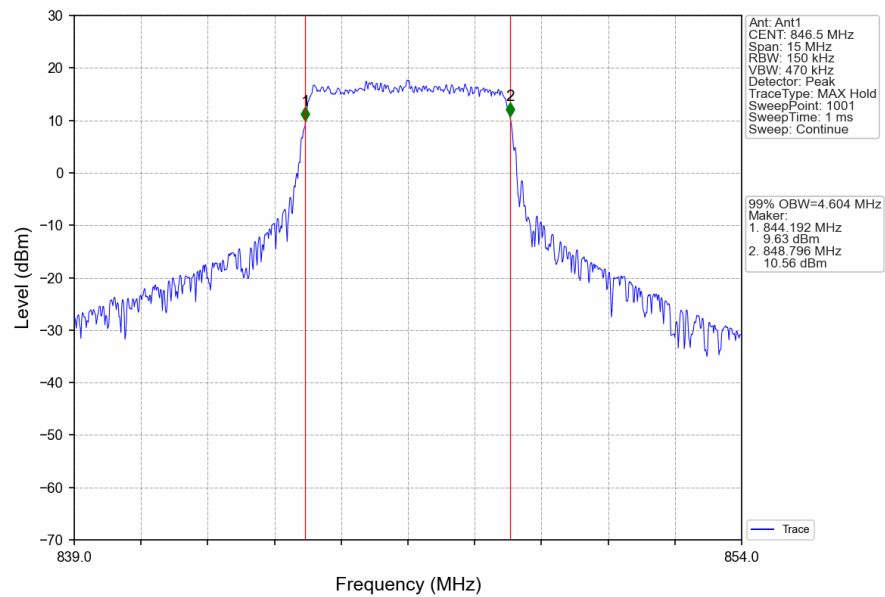
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



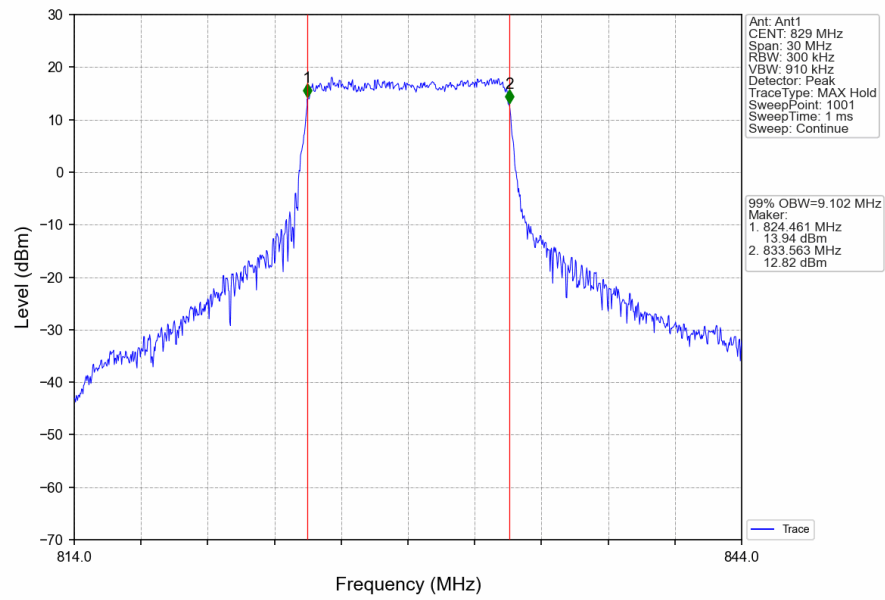
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



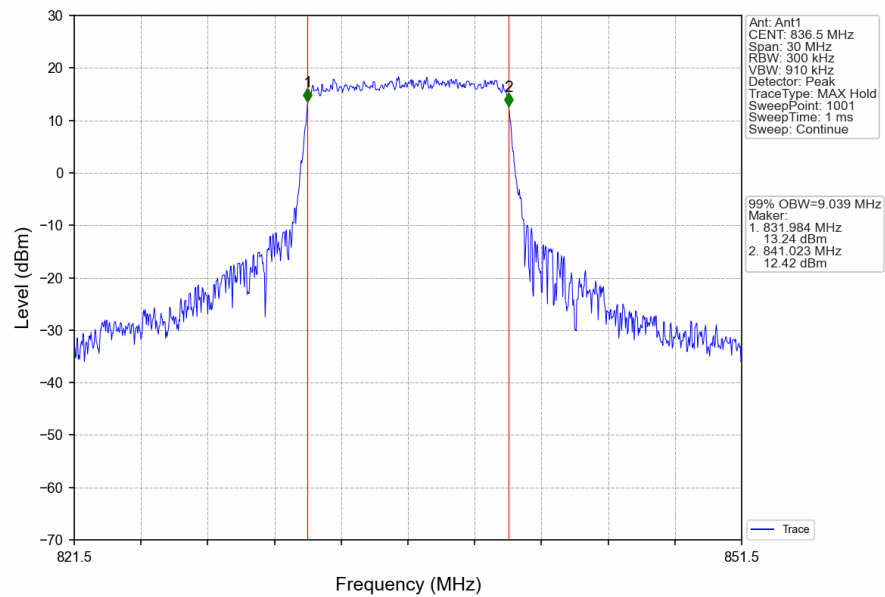
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



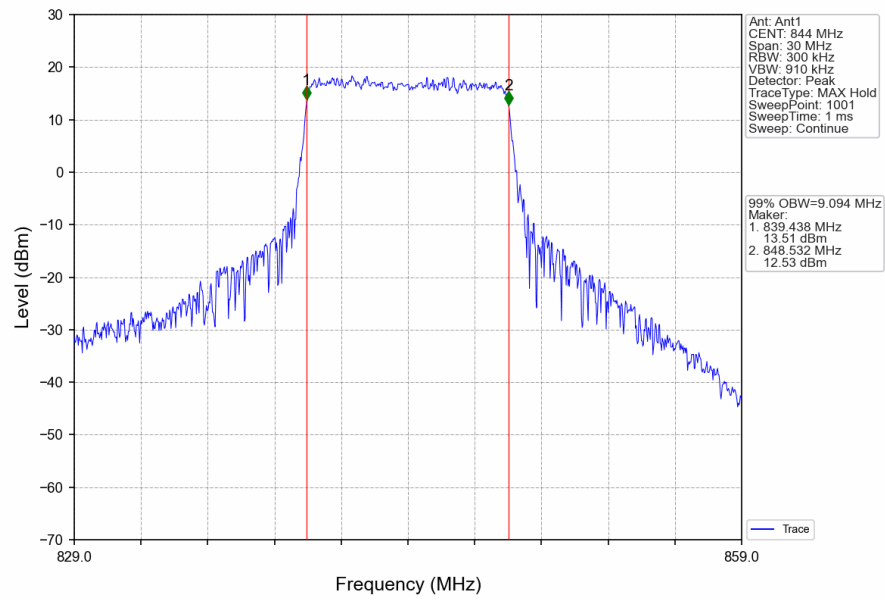
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



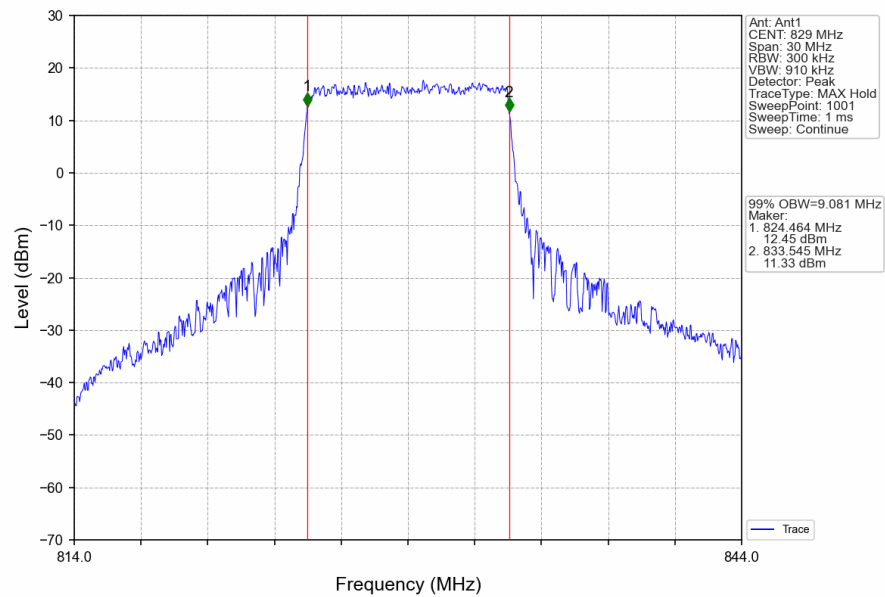
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



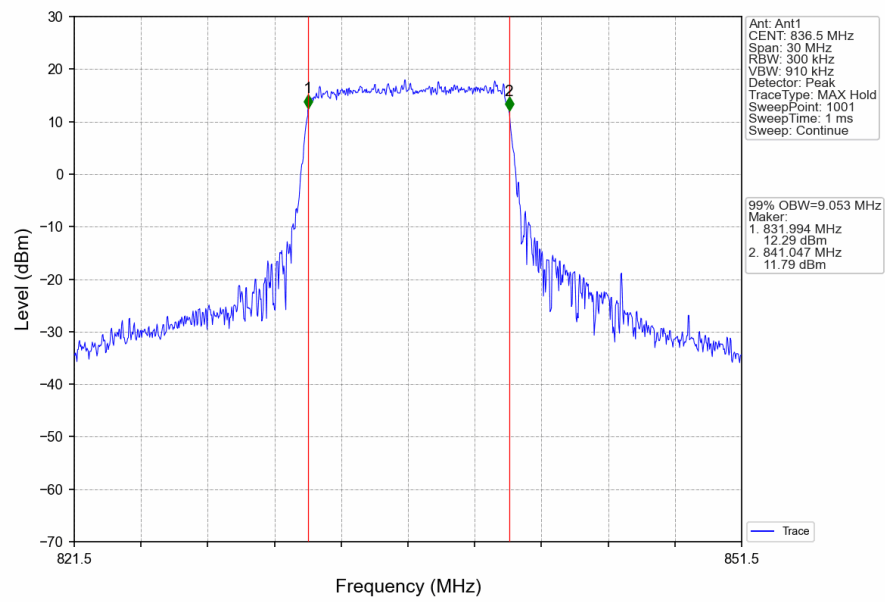
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



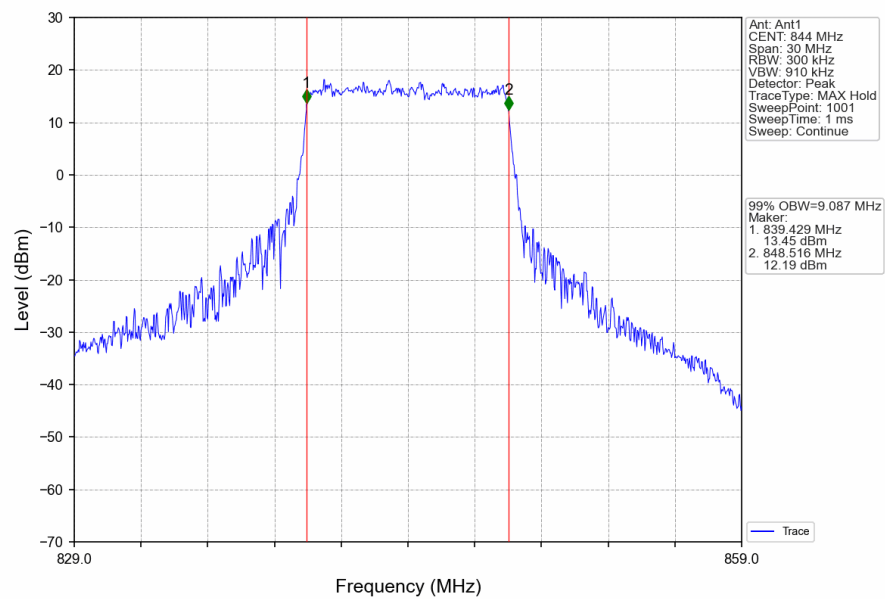
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

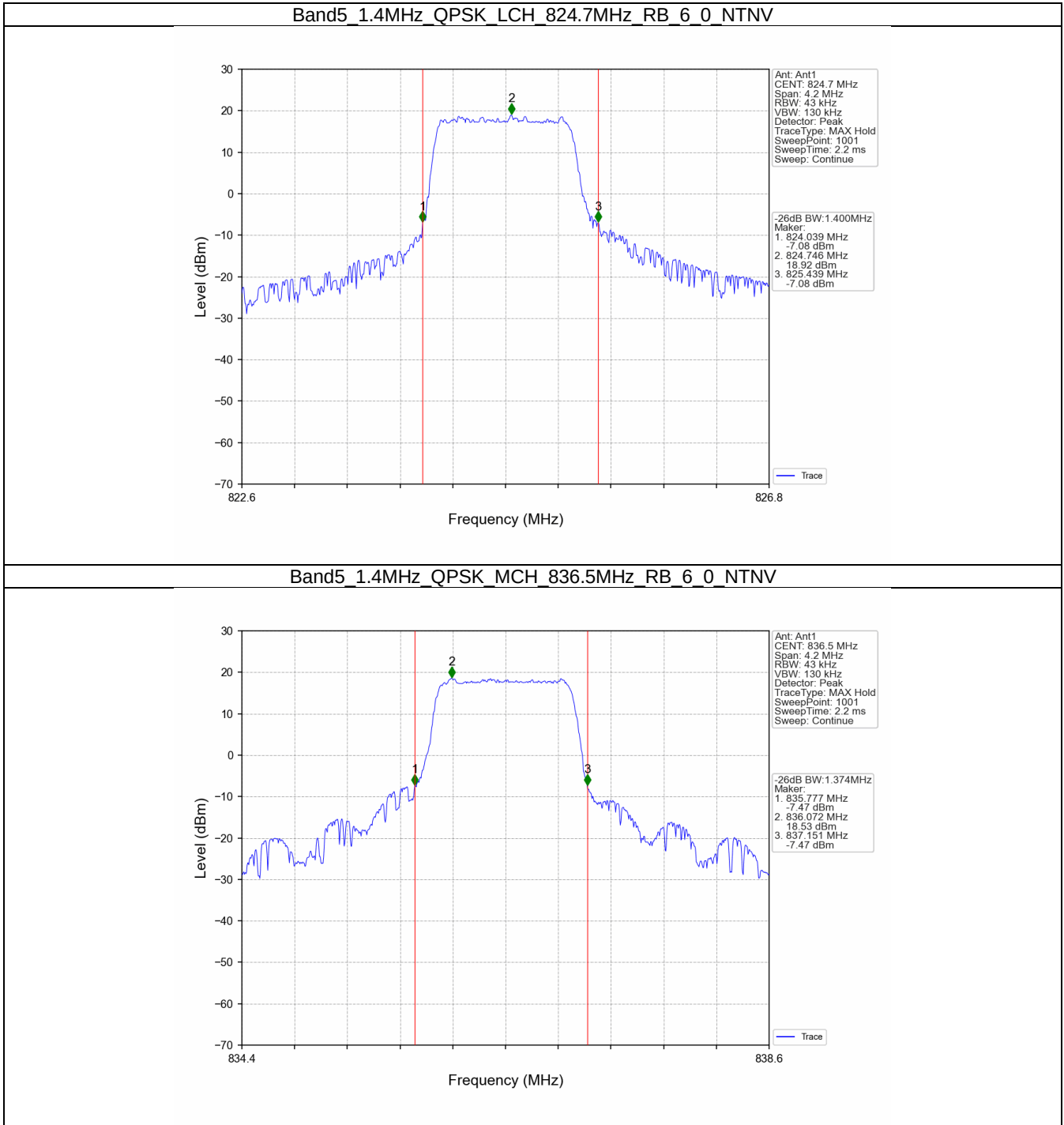


6.2 Band5_XDB

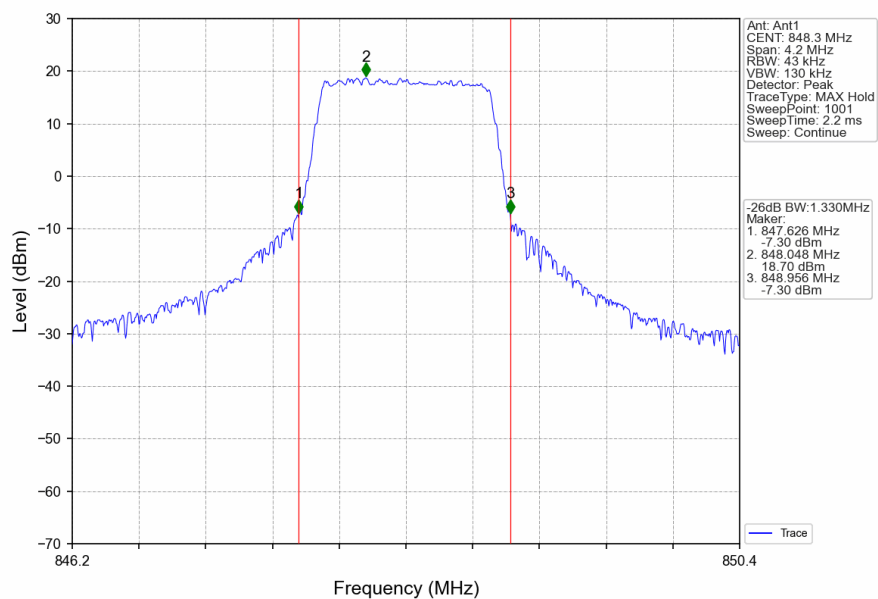
6.2.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.400	/	Pass
		836.5	6	0	1.374	/	Pass
		848.3	6	0	1.330	/	Pass
	16QAM	824.7	6	0	1.493	/	Pass
		836.5	6	0	1.295	/	Pass
		848.3	6	0	1.457	/	Pass
3	QPSK	825.5	15	0	3.383	/	Pass
		836.5	15	0	3.434	/	Pass
		847.5	15	0	3.264	/	Pass
	16QAM	825.5	15	0	3.390	/	Pass
		836.5	15	0	3.445	/	Pass
		847.5	15	0	3.257	/	Pass
5	QPSK	826.5	25	0	5.585	/	Pass
		836.5	25	0	5.514	/	Pass
		846.5	25	0	5.908	/	Pass
	16QAM	826.5	25	0	5.466	/	Pass
		836.5	25	0	5.909	/	Pass
		846.5	25	0	5.724	/	Pass
10	QPSK	829	50	0	10.464	/	Pass
		836.5	50	0	10.237	/	Pass
		844	50	0	10.410	/	Pass
	16QAM	829	50	0	10.438	/	Pass
		836.5	50	0	10.349	/	Pass
		844	50	0	10.542	/	Pass

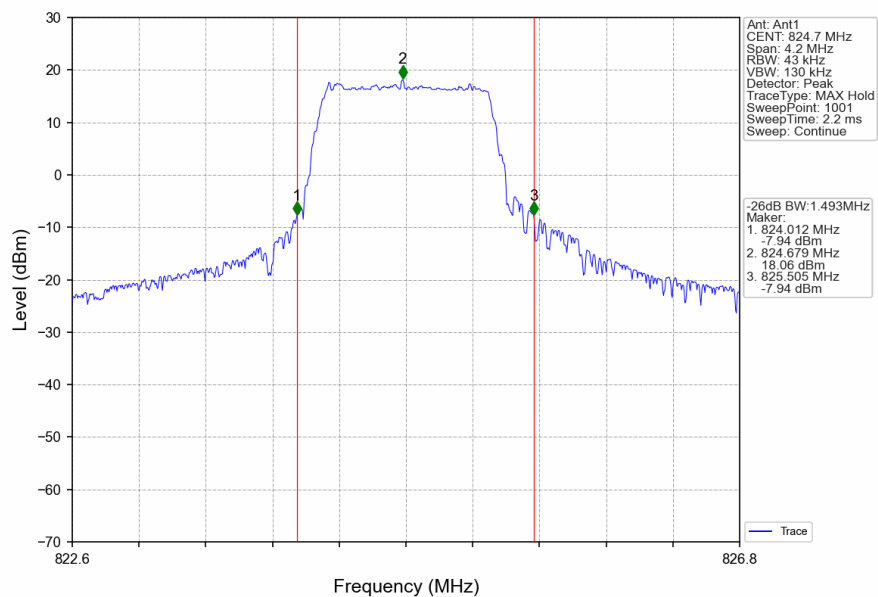
6.2.2 Test Graph



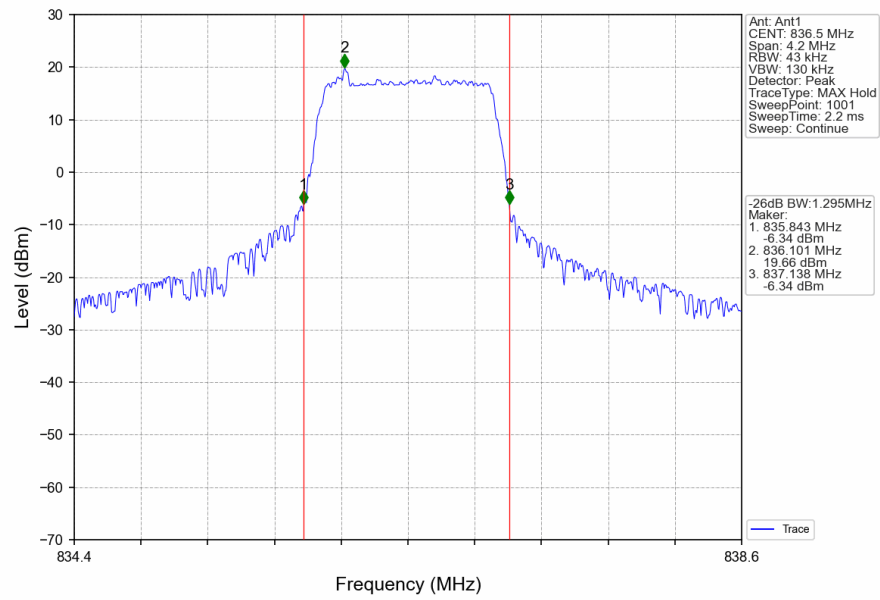
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



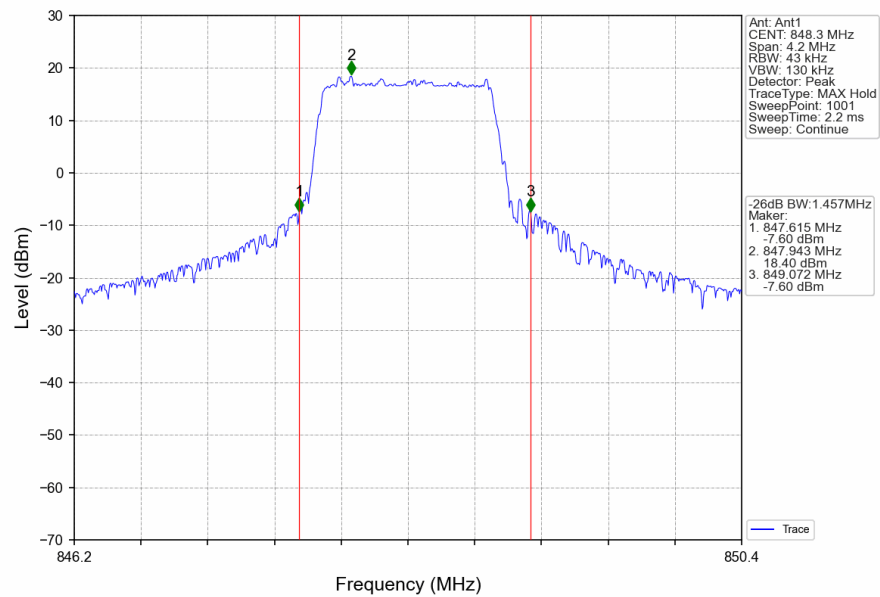
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



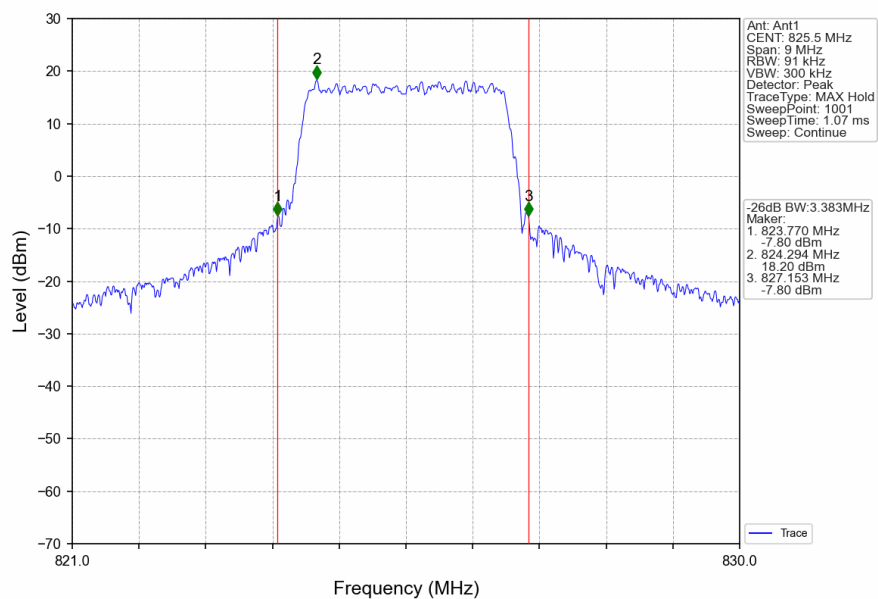
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



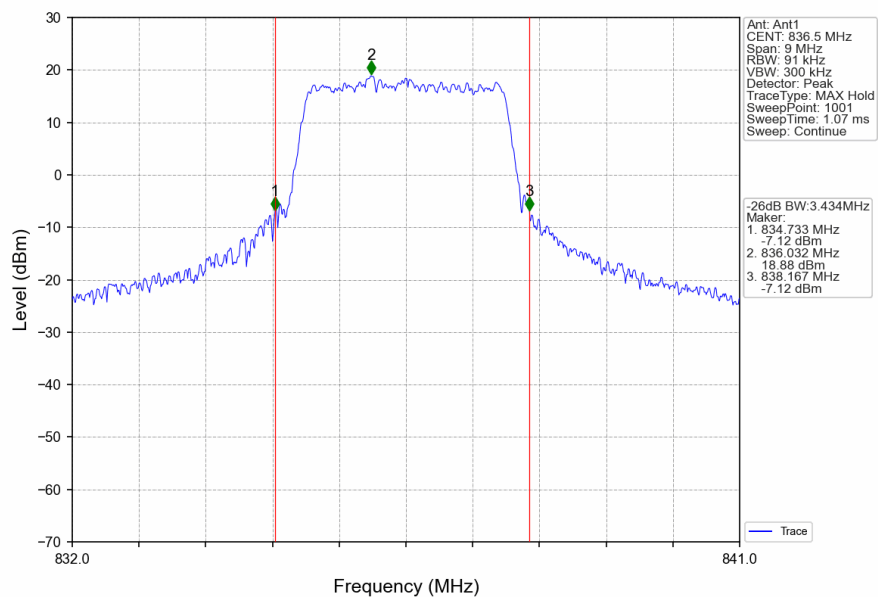
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



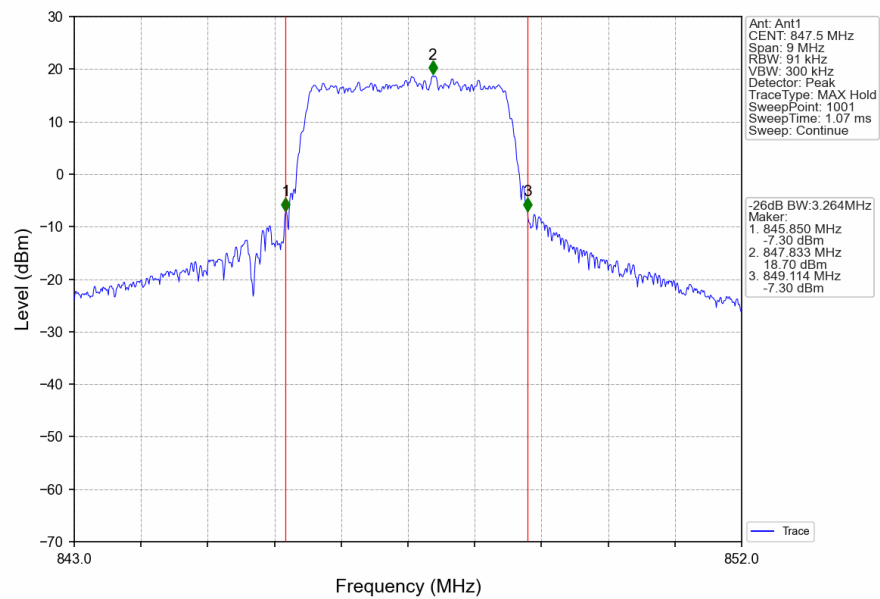
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



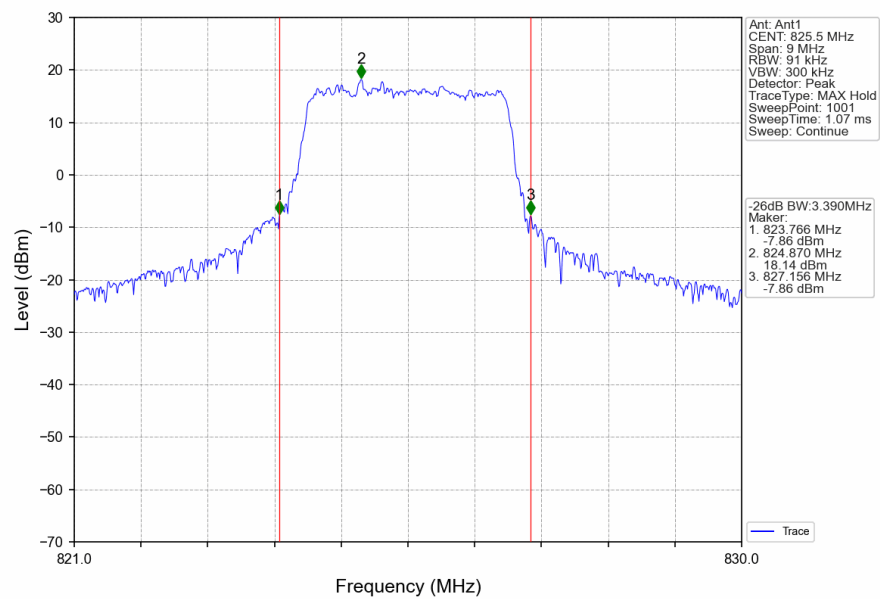
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



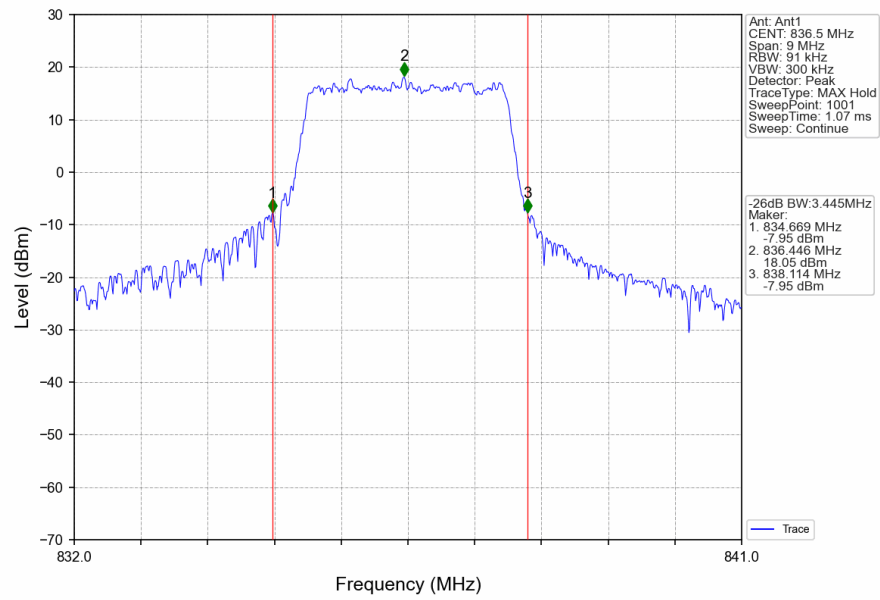
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



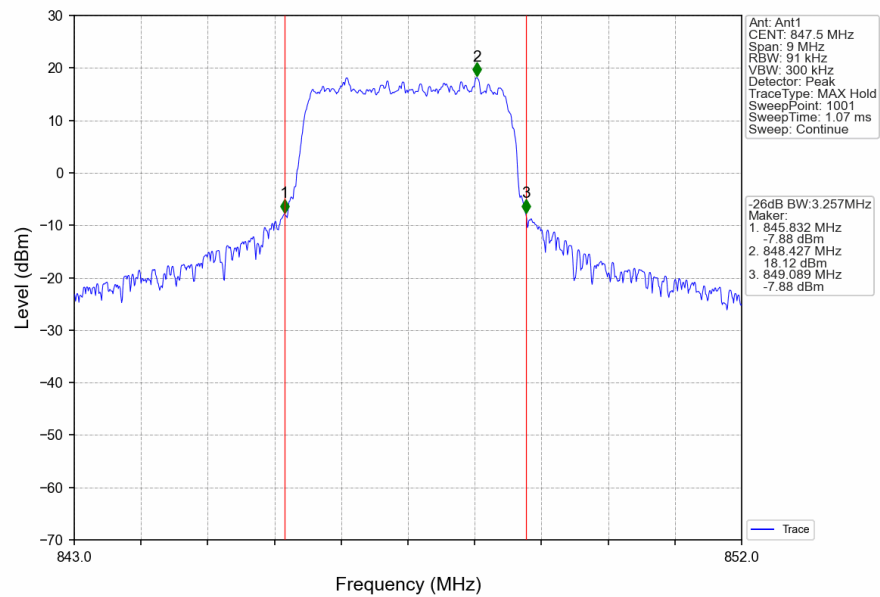
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



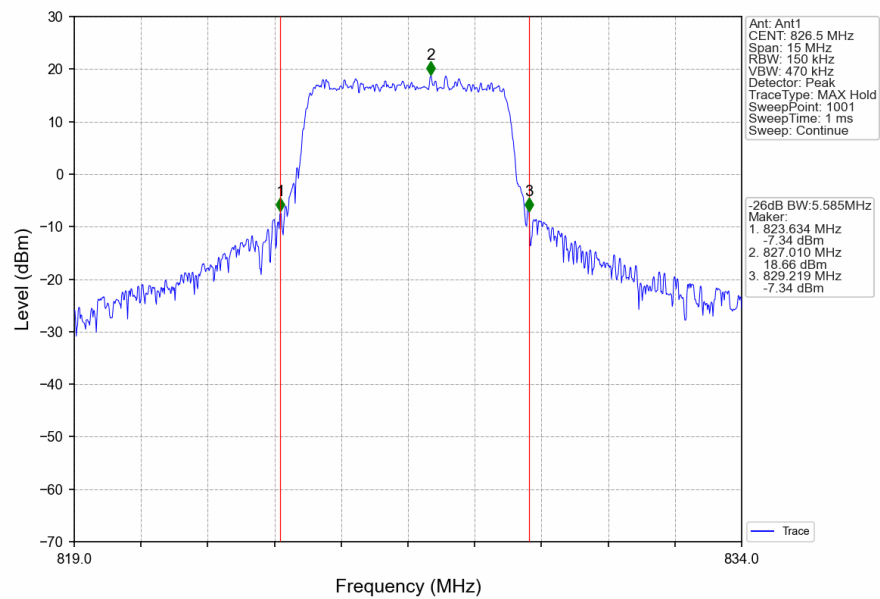
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



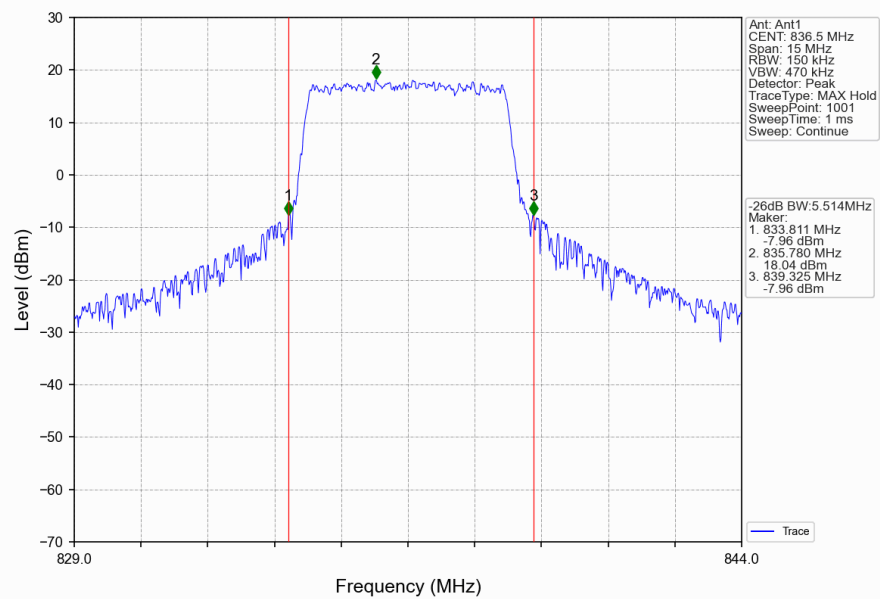
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



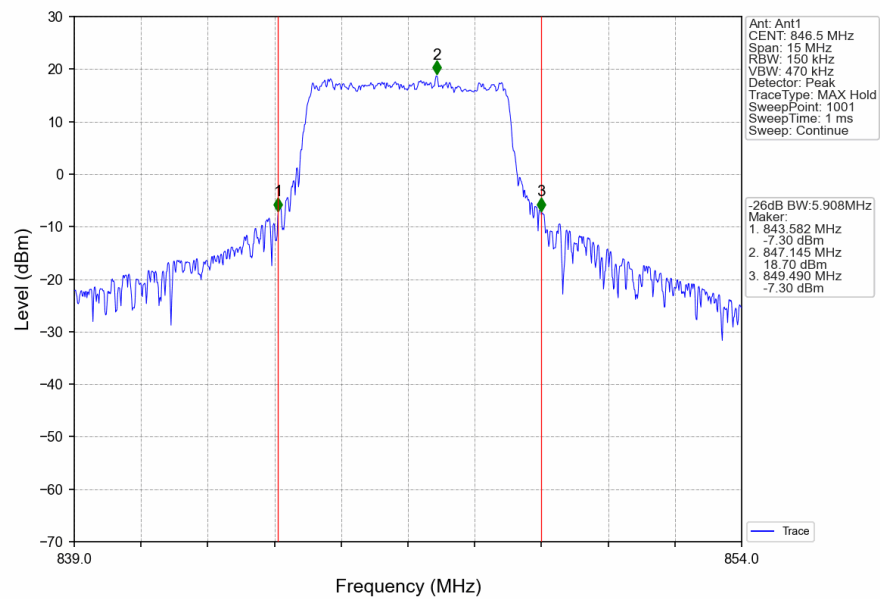
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



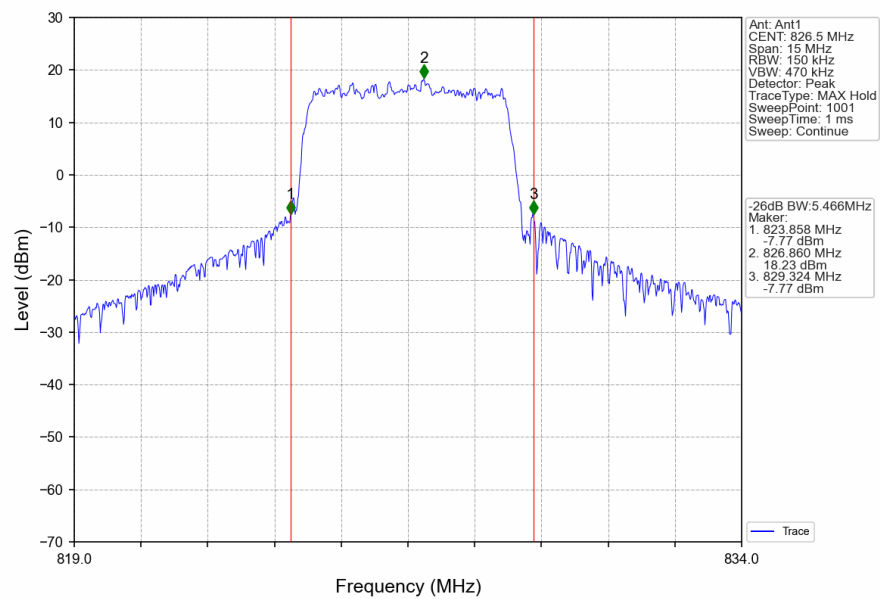
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



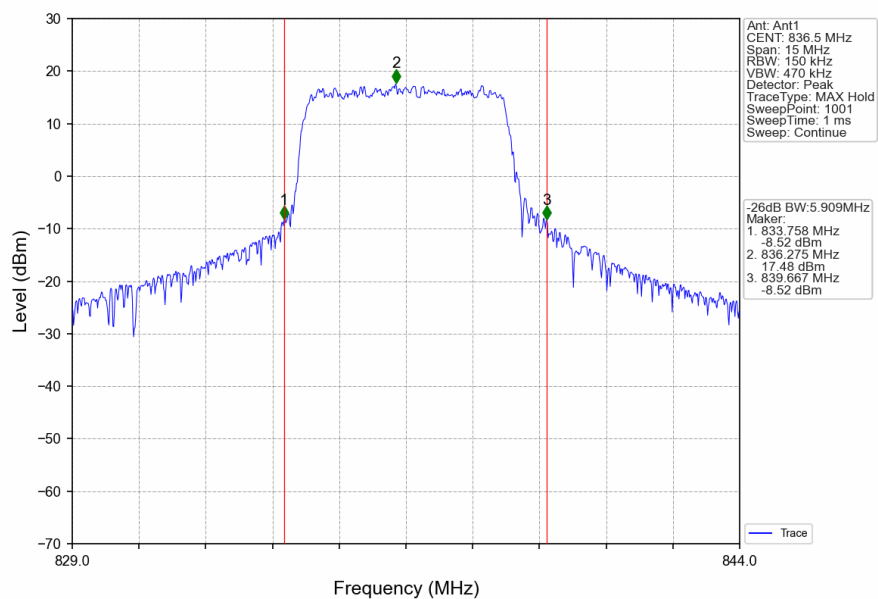
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



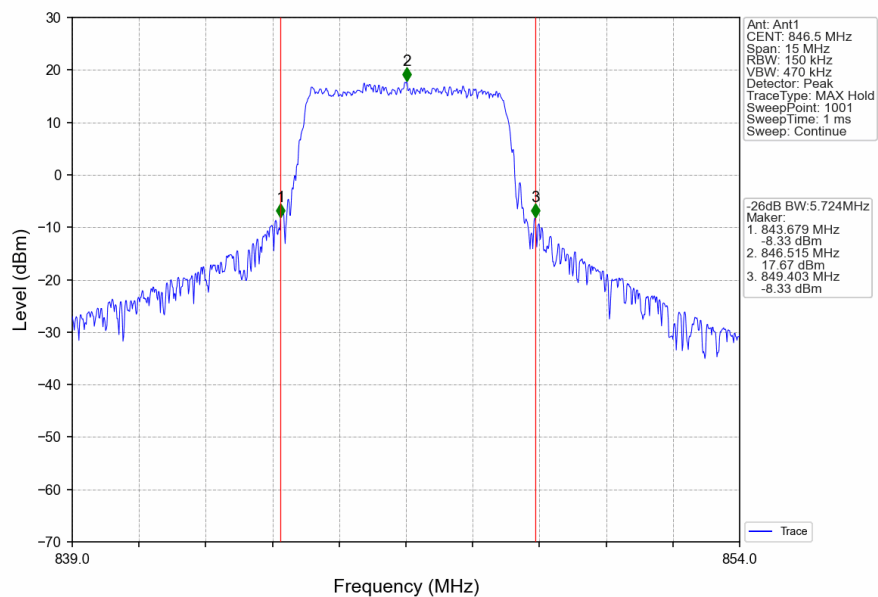
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



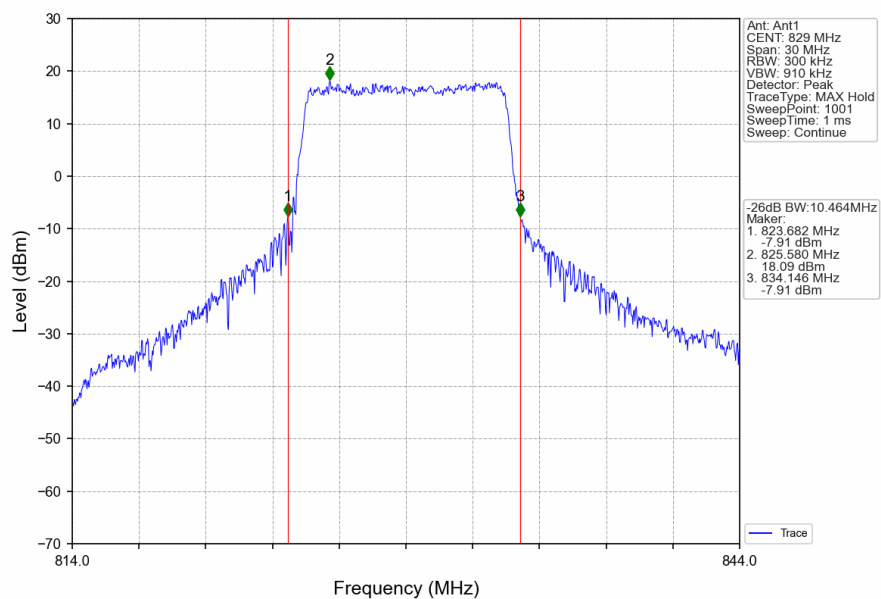
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



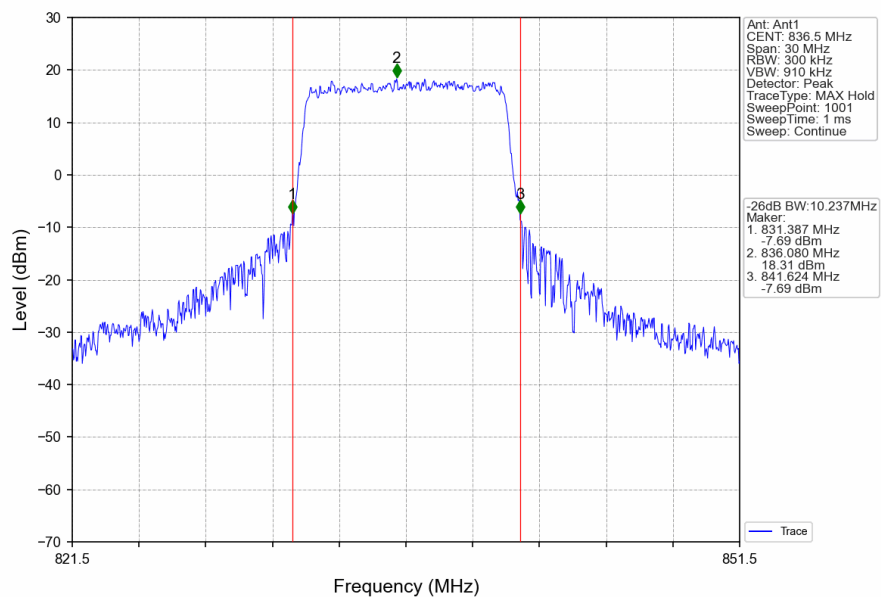
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



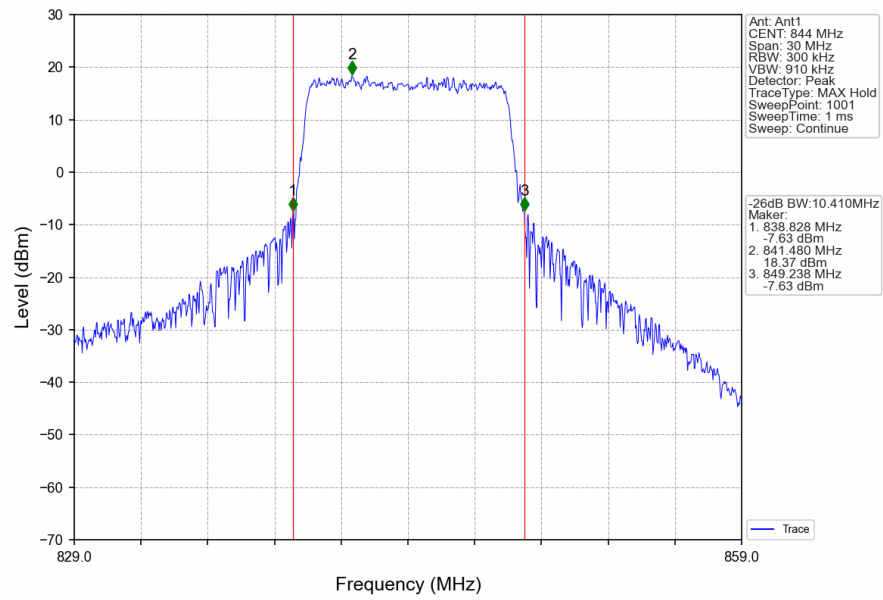
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



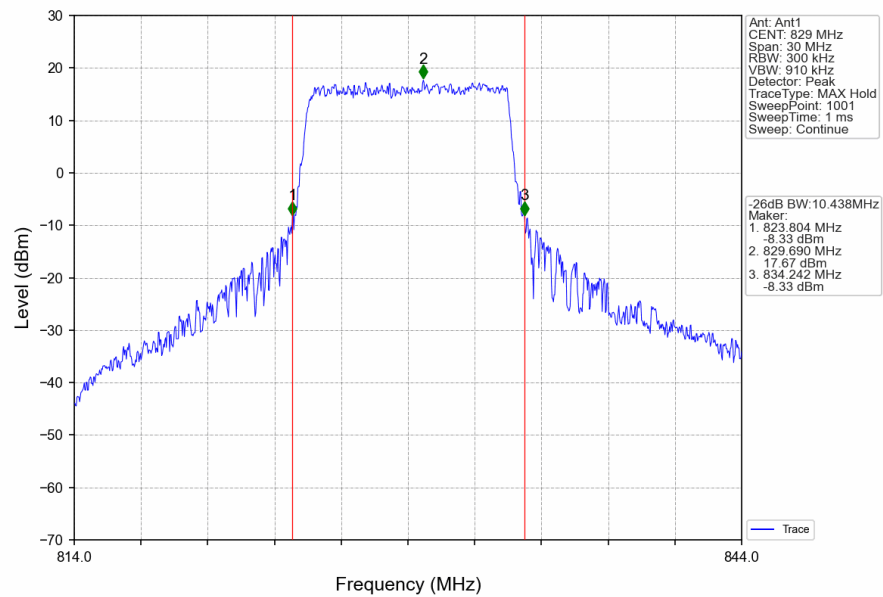
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



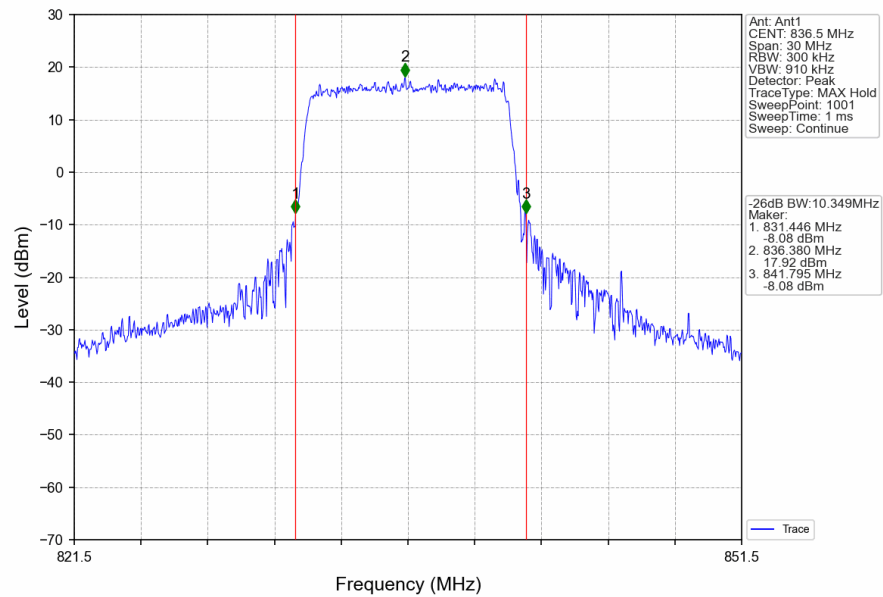
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



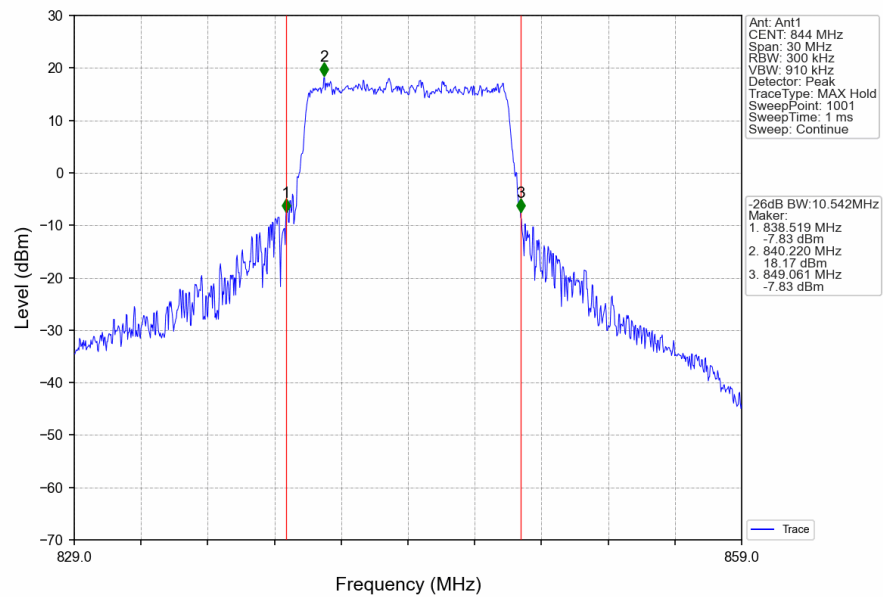
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



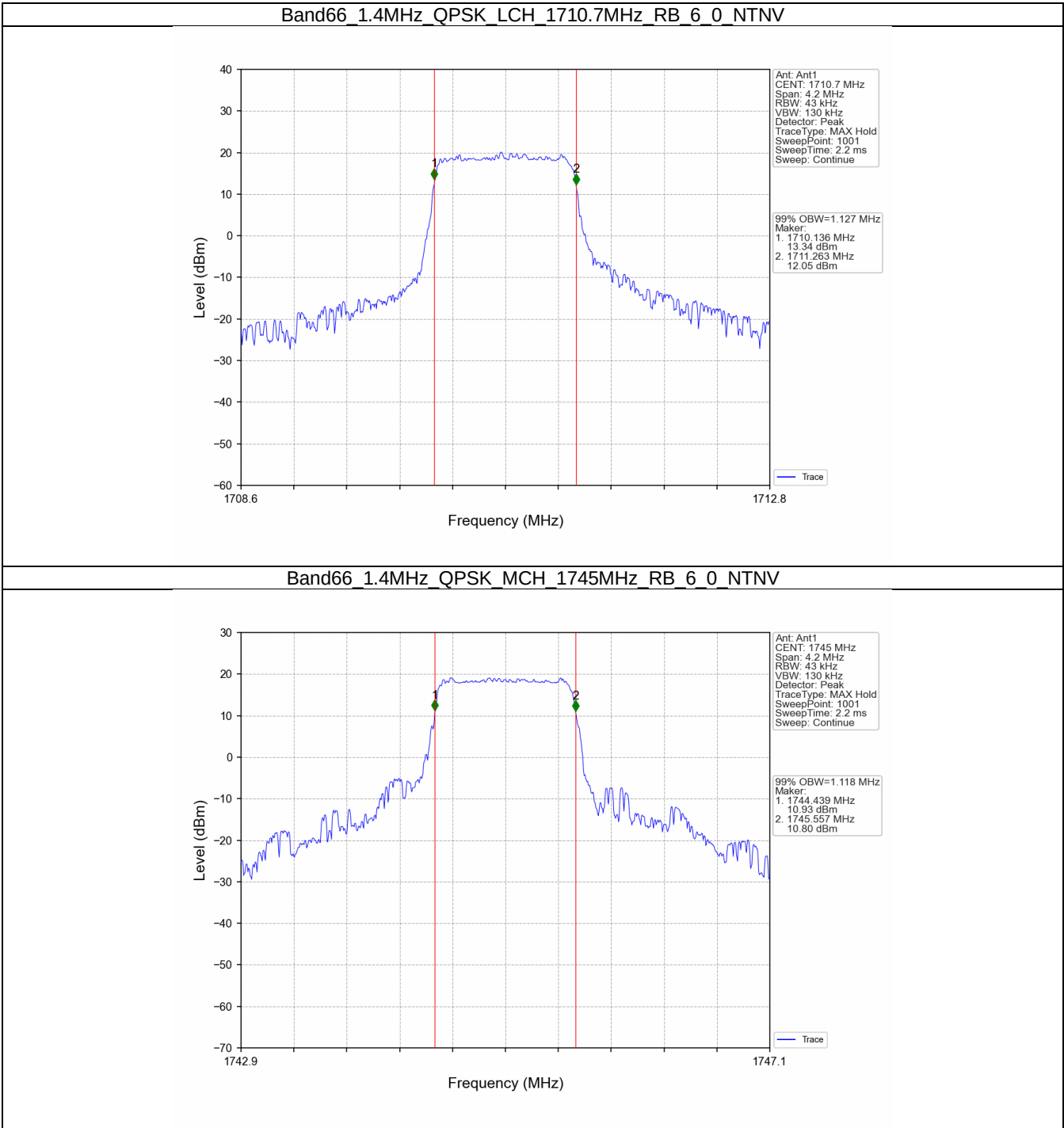
7. 99% & 26dB Bandwidth

7.1 Band66_OBW

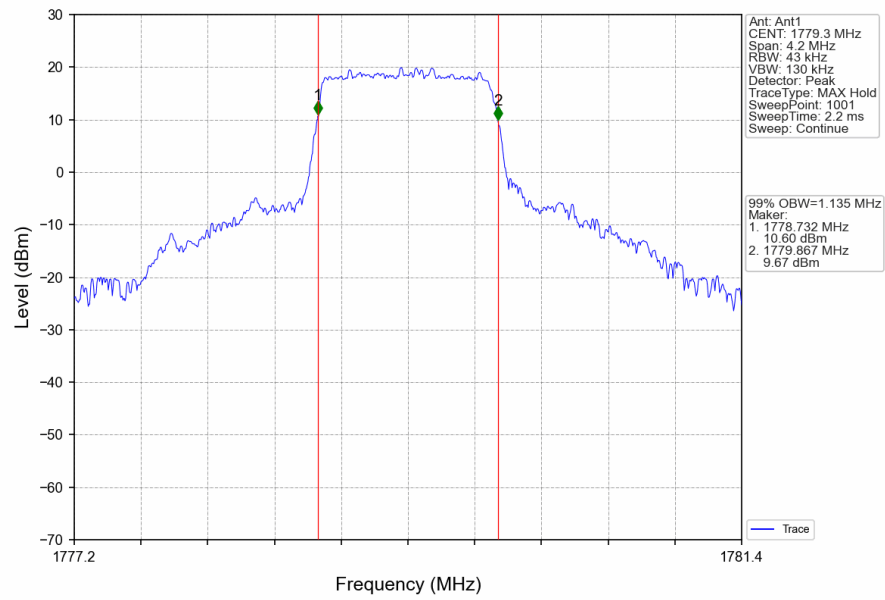
7.1.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.127	/	Pass
		1745	6	0	1.118	/	Pass
		1779.3	6	0	1.135	/	Pass
	16QAM	1710.7	6	0	1.132	/	Pass
		1745	6	0	1.129	/	Pass
		1779.3	6	0	1.129	/	Pass
3	QPSK	1711.5	15	0	2.778	/	Pass
		1745	15	0	2.778	/	Pass
		1778.5	15	0	2.791	/	Pass
	16QAM	1711.5	15	0	2.779	/	Pass
		1745	15	0	2.791	/	Pass
		1778.5	15	0	2.806	/	Pass
5	QPSK	1712.5	25	0	4.586	/	Pass
		1745	25	0	4.569	/	Pass
		1777.5	25	0	4.603	/	Pass
	16QAM	1712.5	25	0	4.588	/	Pass
		1745	25	0	4.603	/	Pass
		1777.5	25	0	4.646	/	Pass
10	QPSK	1715	50	0	9.071	/	Pass
		1745	50	0	9.064	/	Pass
		1775	50	0	9.135	/	Pass
	16QAM	1715	50	0	9.067	/	Pass
		1745	50	0	9.092	/	Pass
		1775	50	0	9.116	/	Pass
15	QPSK	1717.5	75	0	13.579	/	Pass
		1745	75	0	13.603	/	Pass
		1772.5	75	0	13.653	/	Pass
	16QAM	1717.5	75	0	13.629	/	Pass
		1745	75	0	13.652	/	Pass
		1772.5	75	0	13.626	/	Pass
20	QPSK	1720	100	0	18.143	/	Pass
		1745	100	0	18.254	/	Pass
		1770	100	0	18.161	/	Pass
	16QAM	1720	100	0	18.208	/	Pass
		1745	100	0	18.232	/	Pass
		1770	100	0	18.156	/	Pass

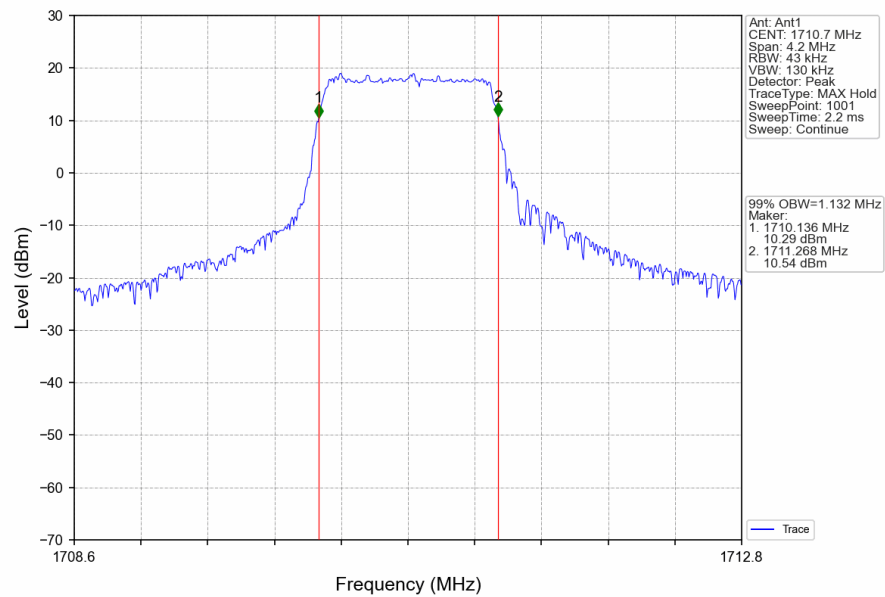
7.1.2 Test Graph



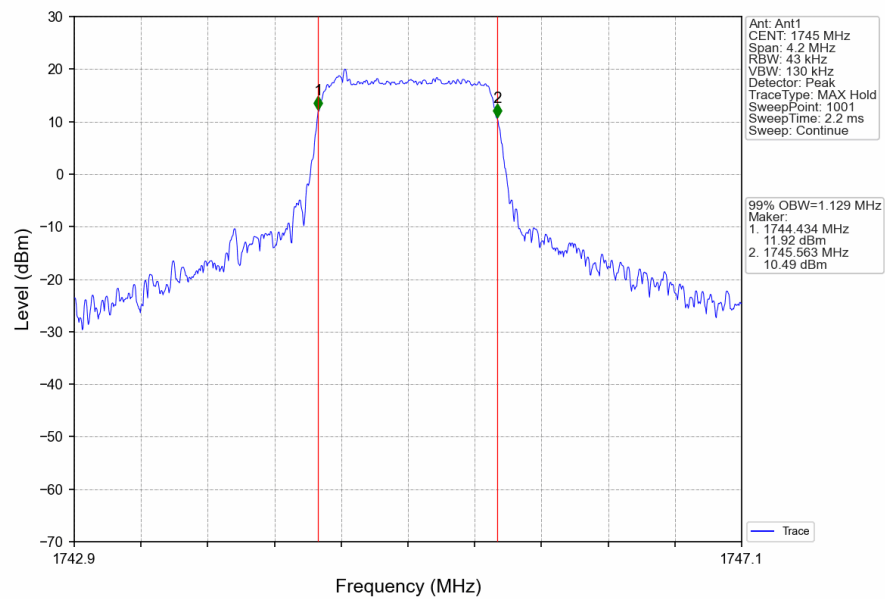
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



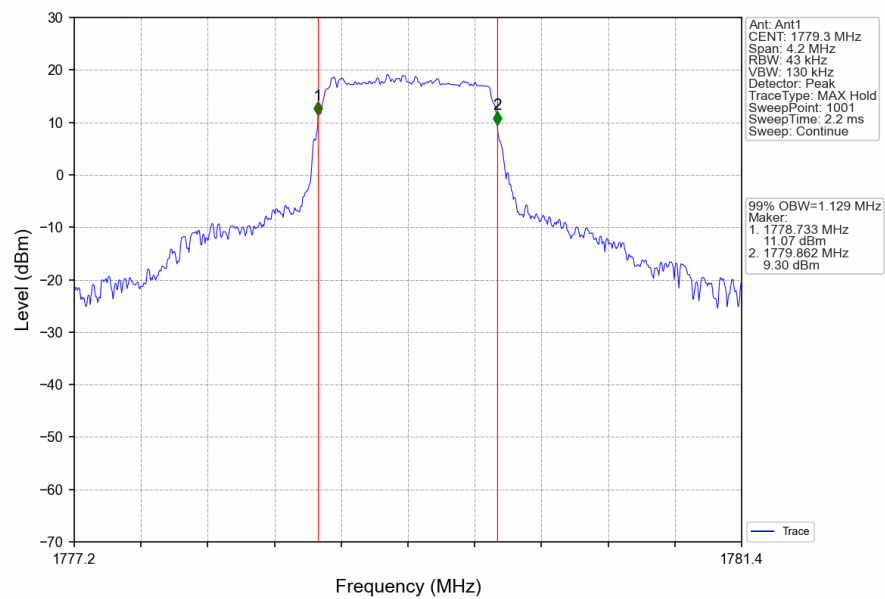
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



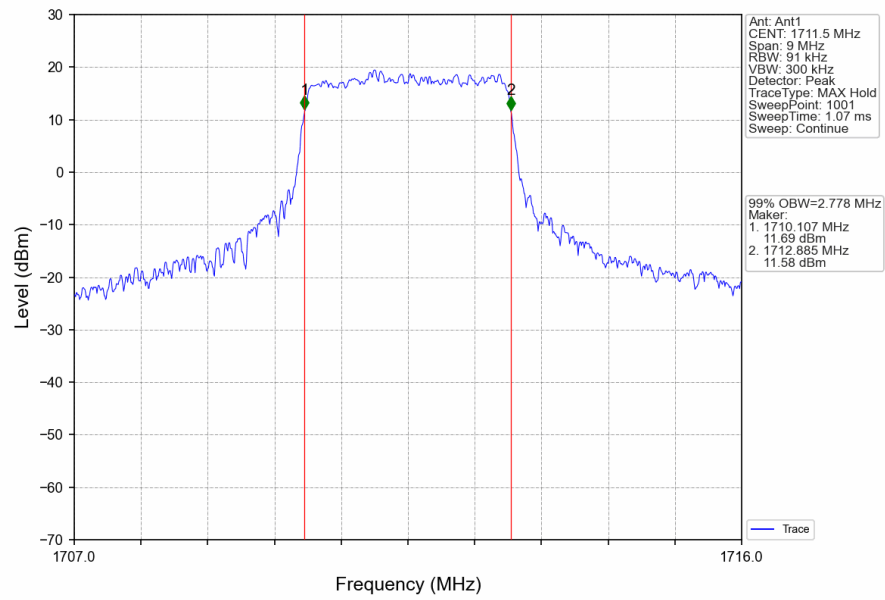
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



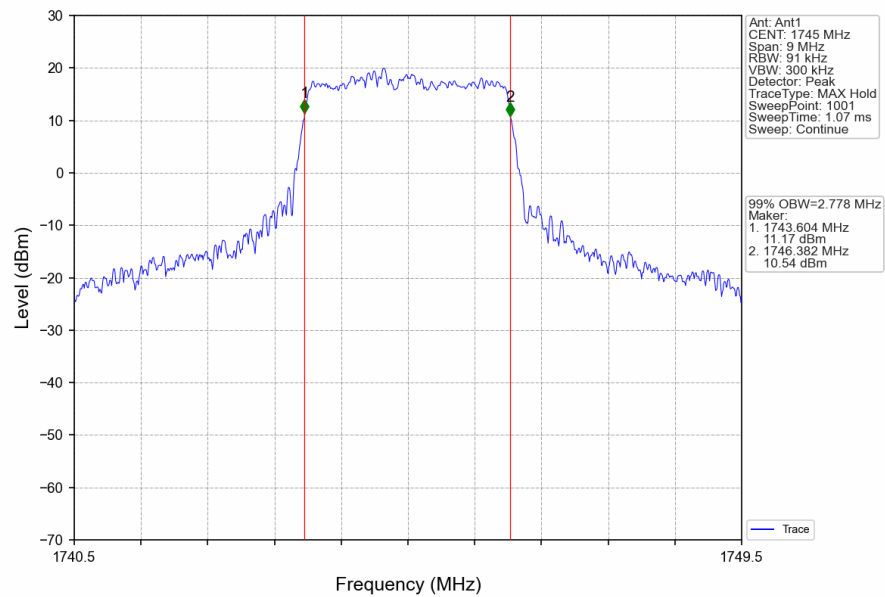
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



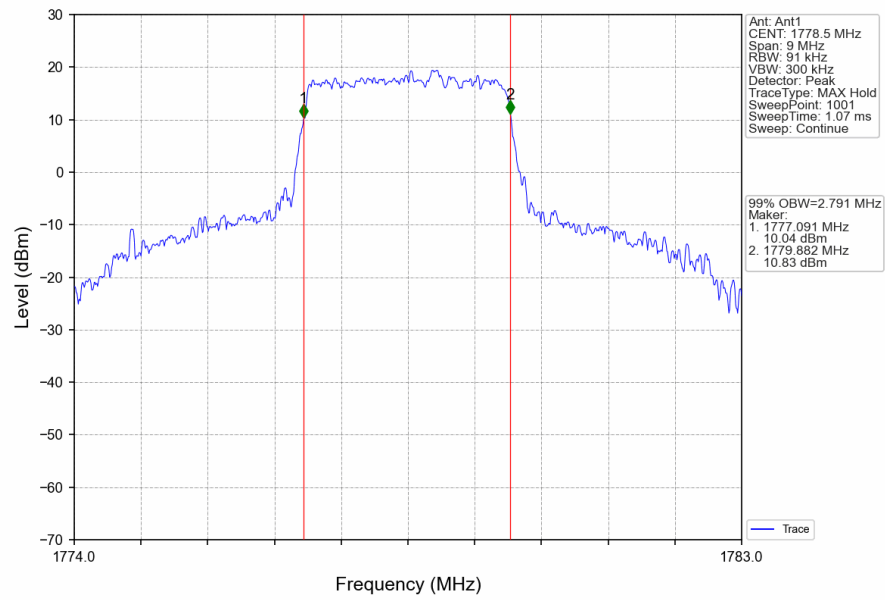
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



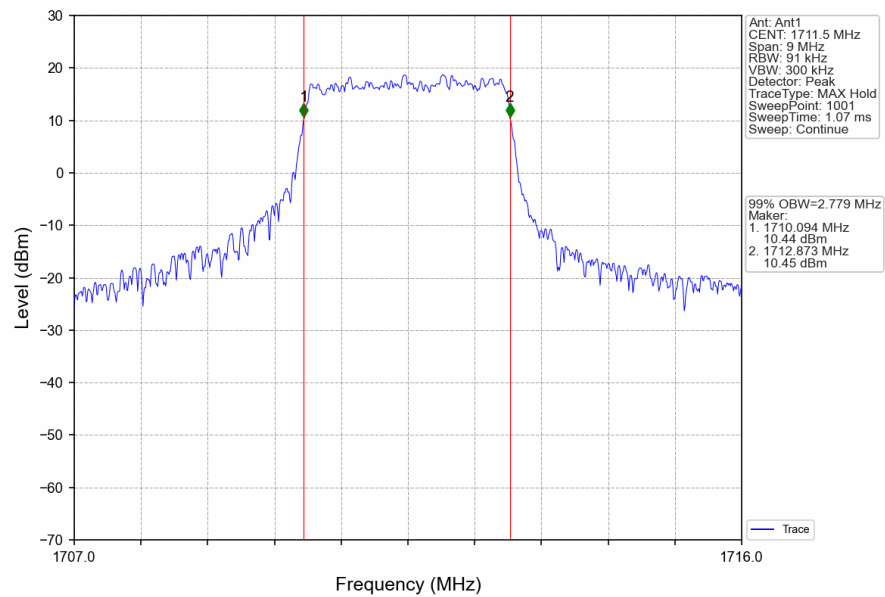
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



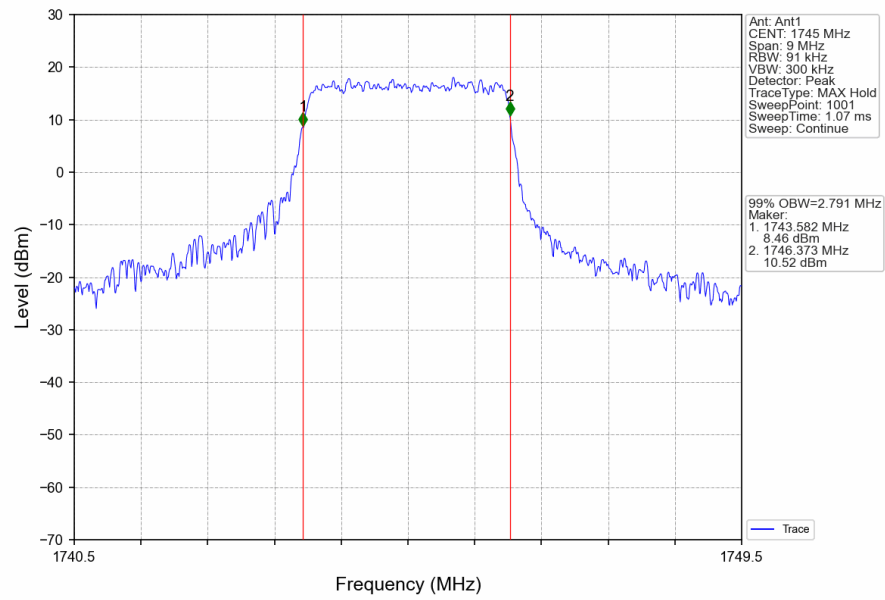
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



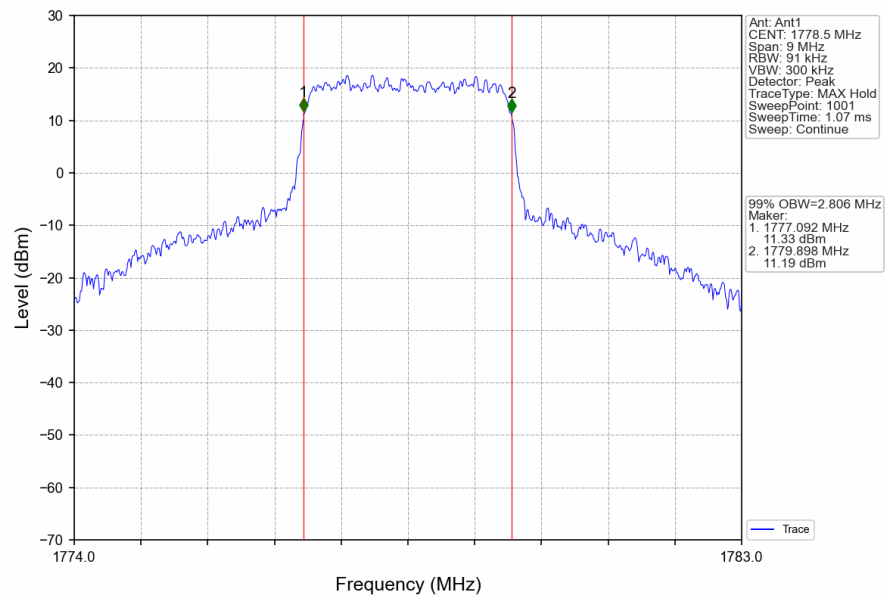
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



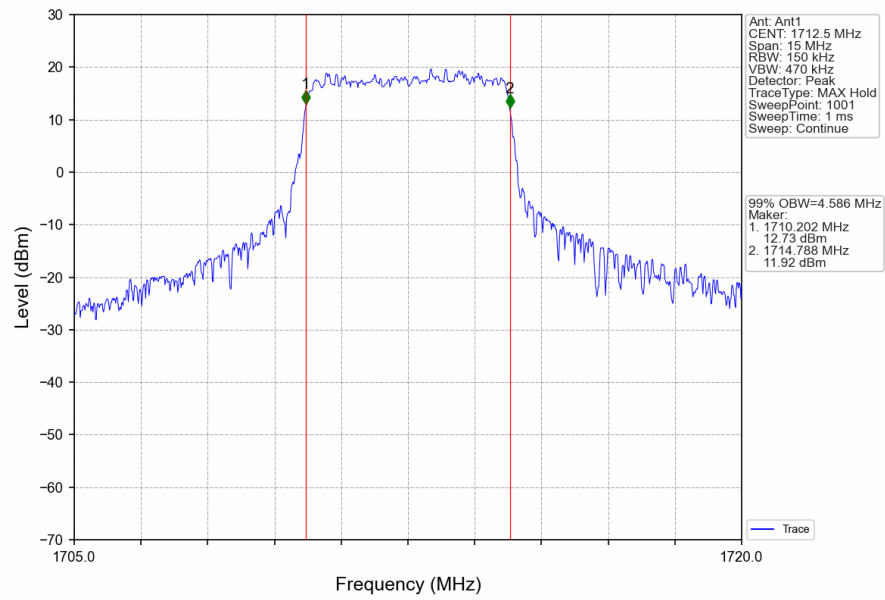
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



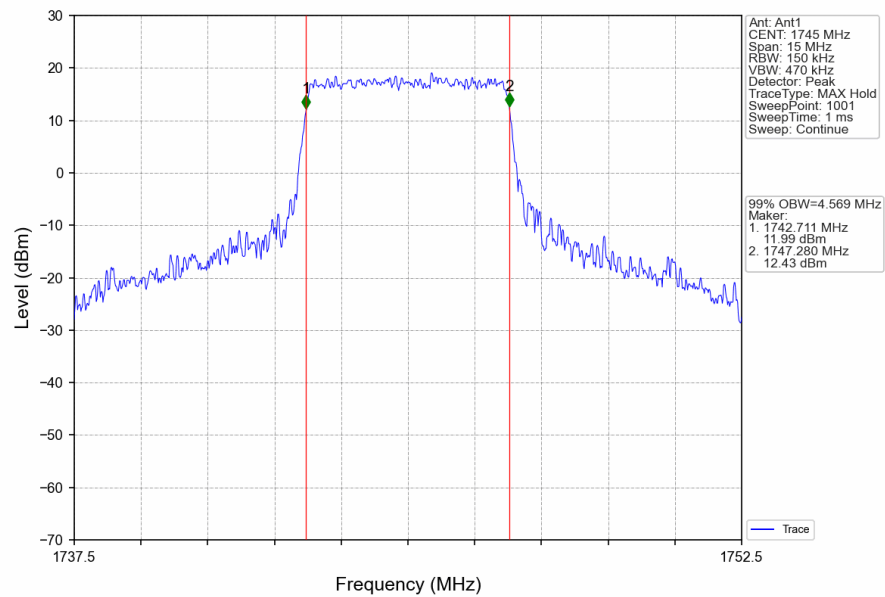
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



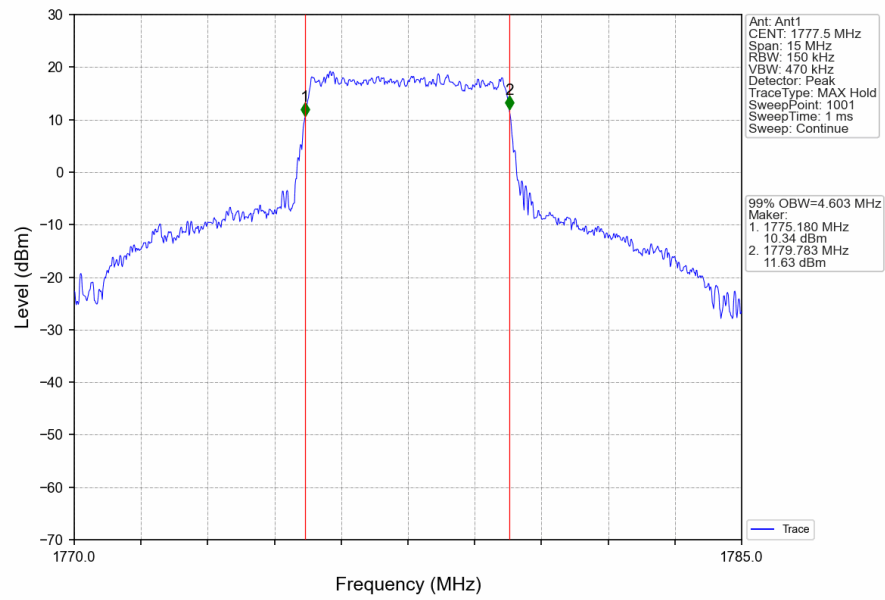
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



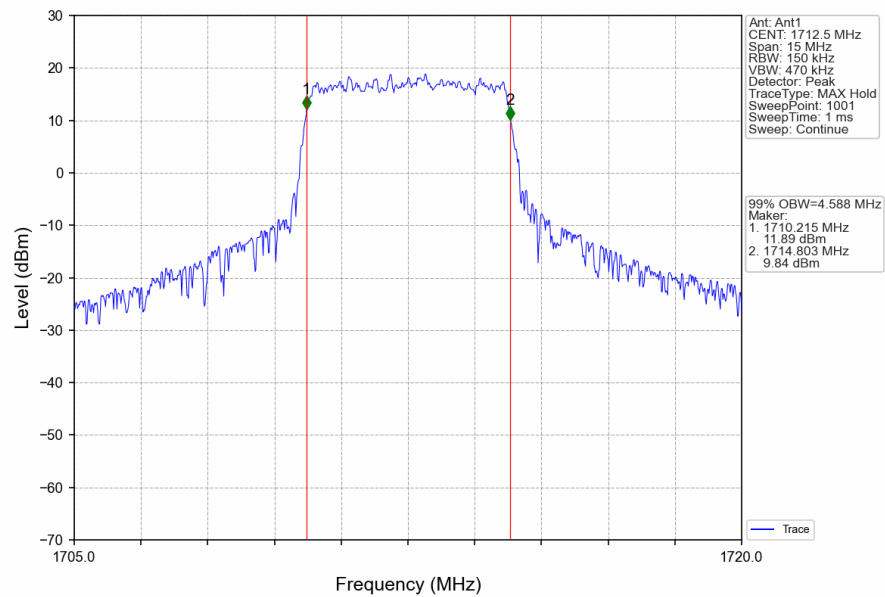
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



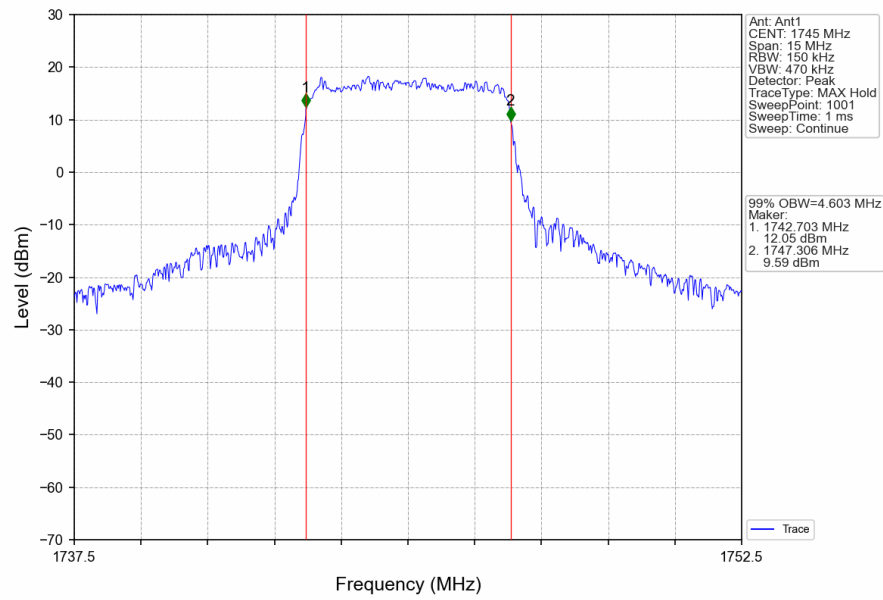
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



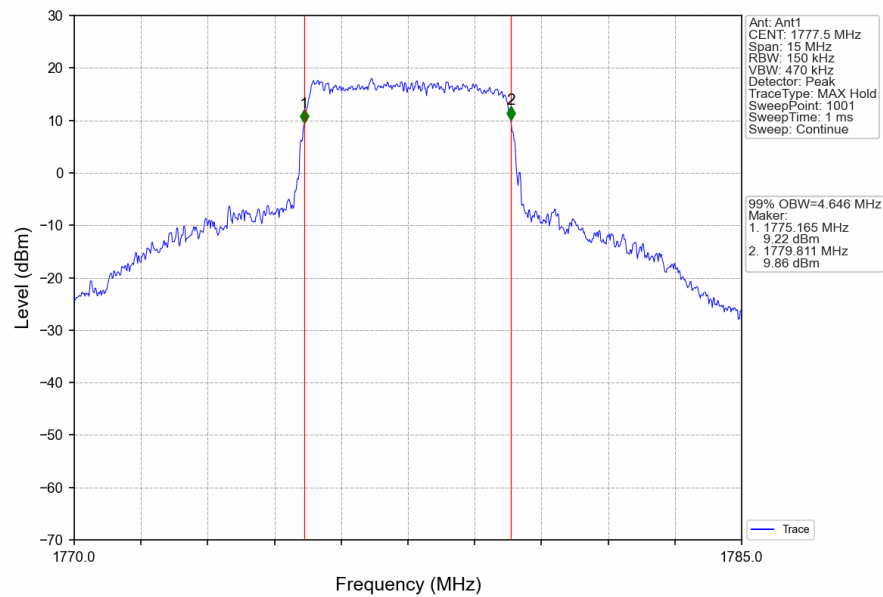
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



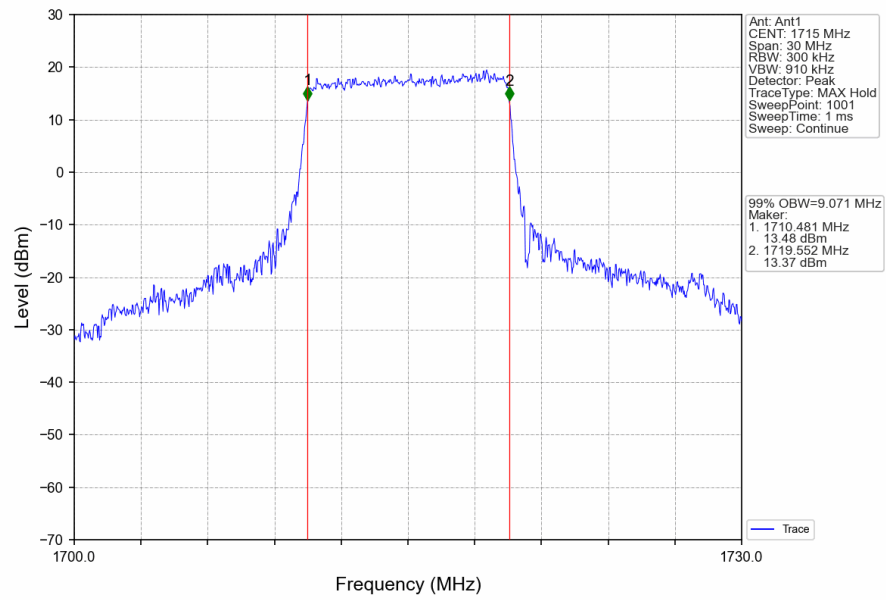
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



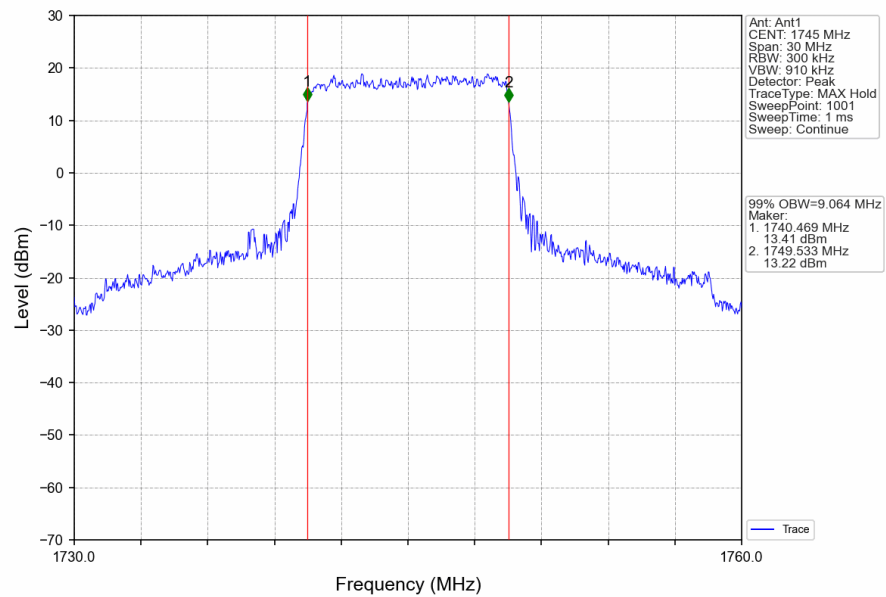
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



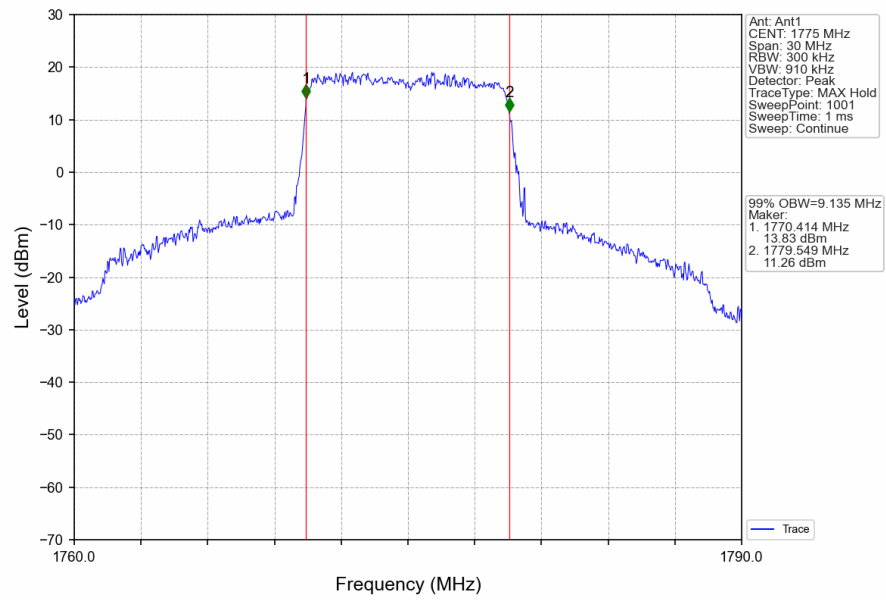
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



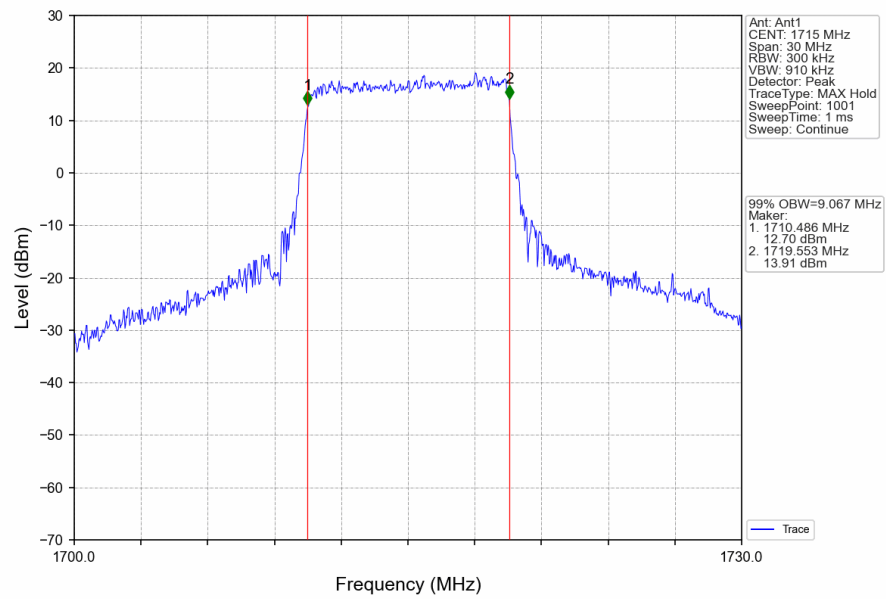
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



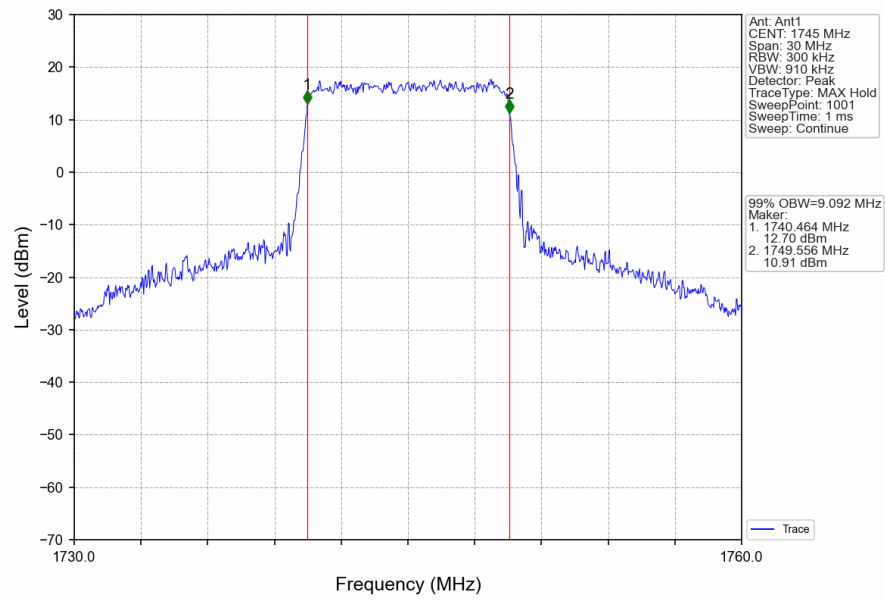
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



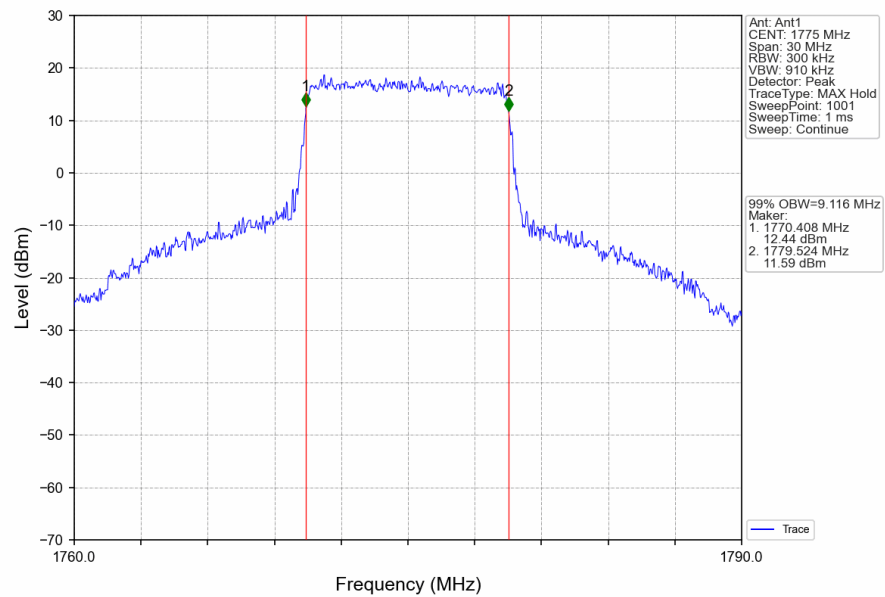
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



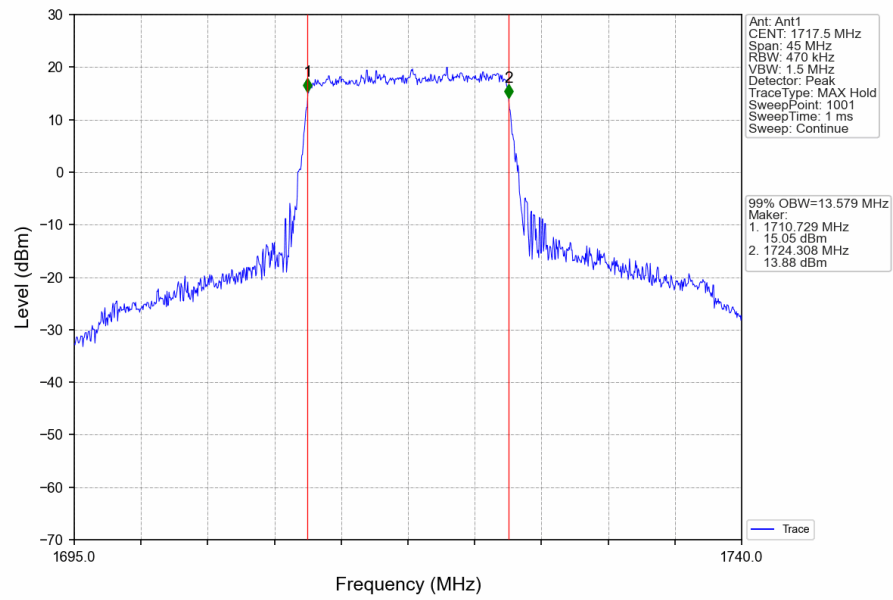
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV

