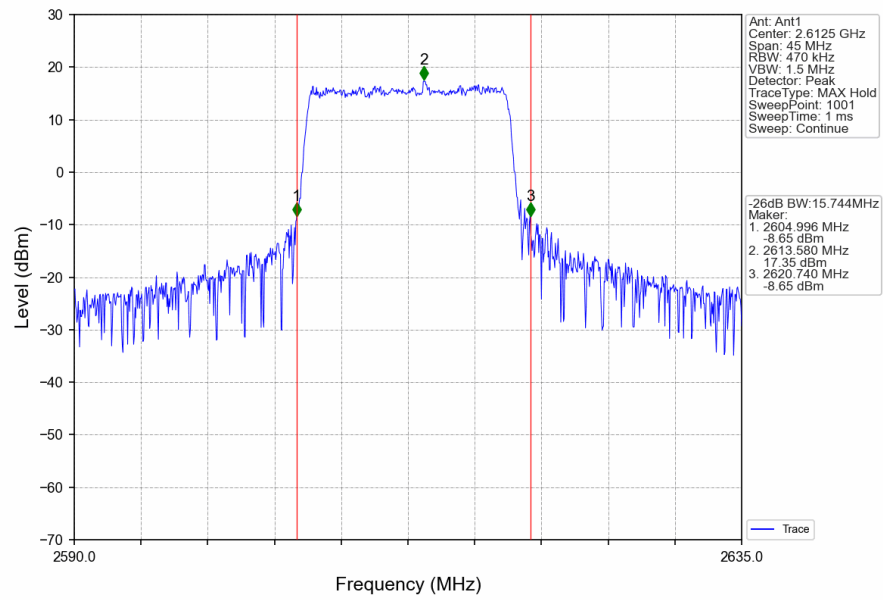
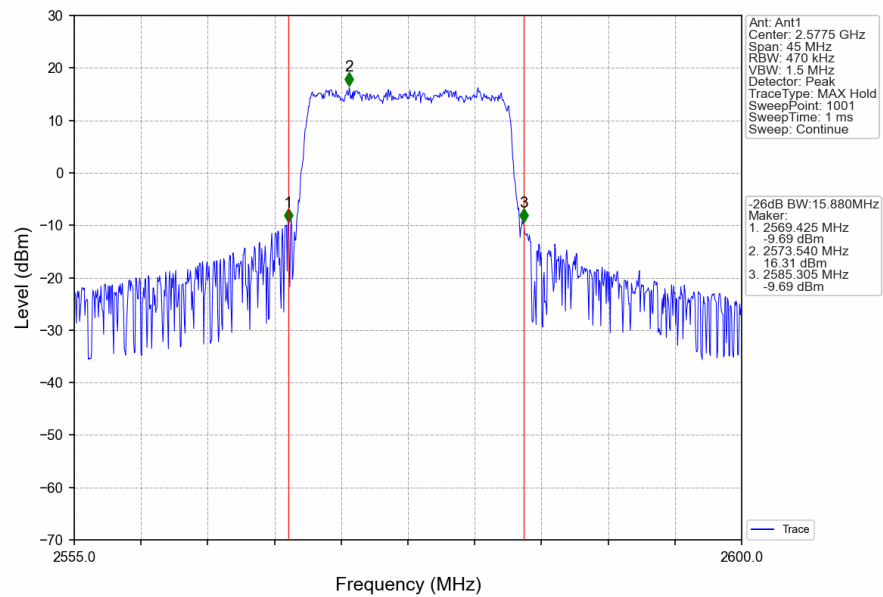


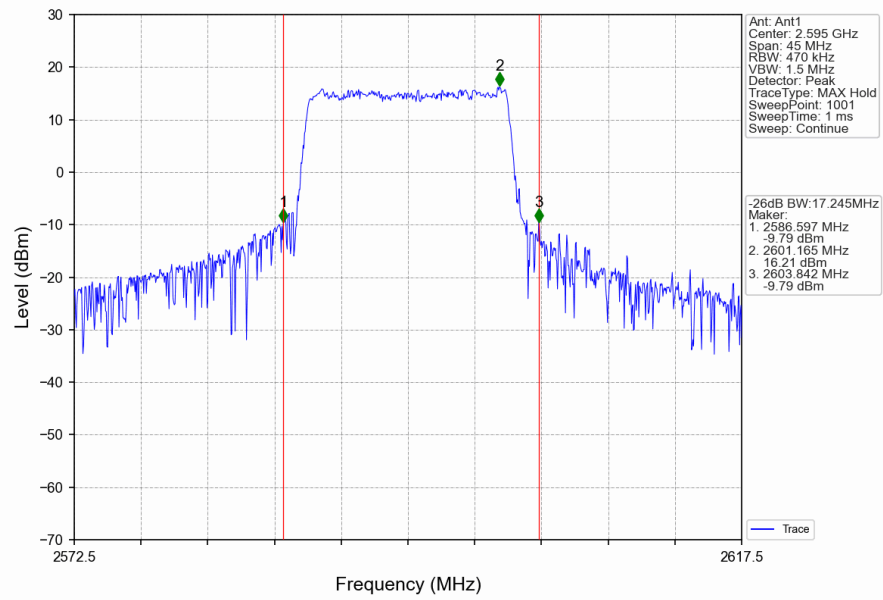
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



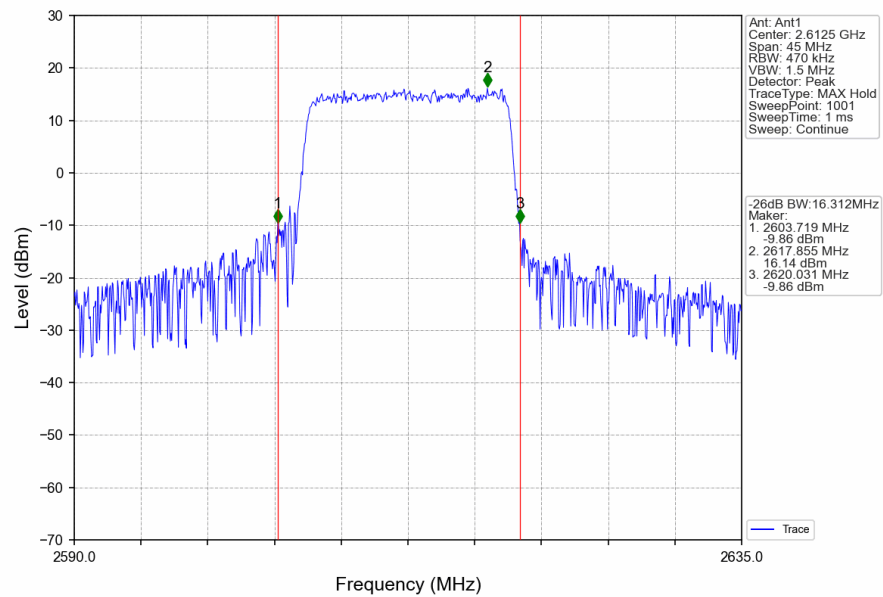
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



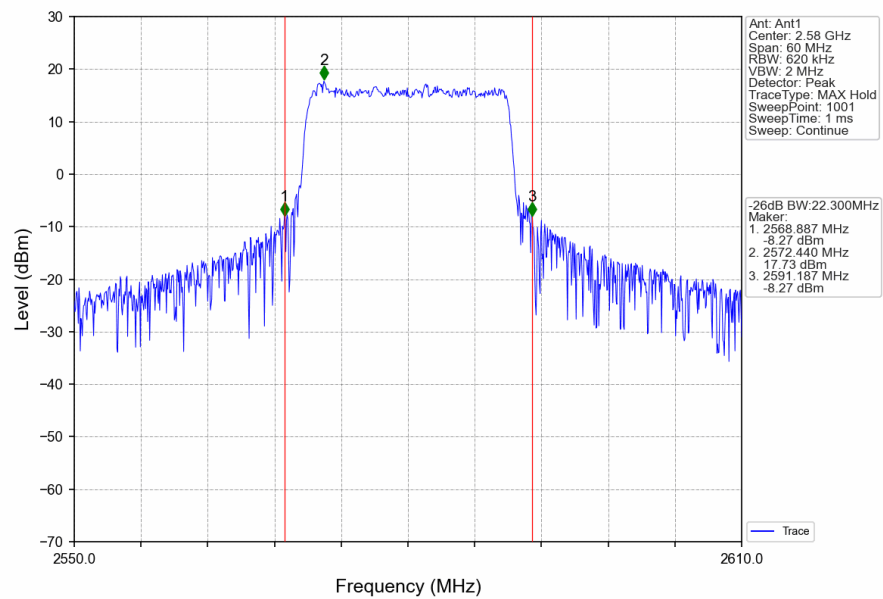
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



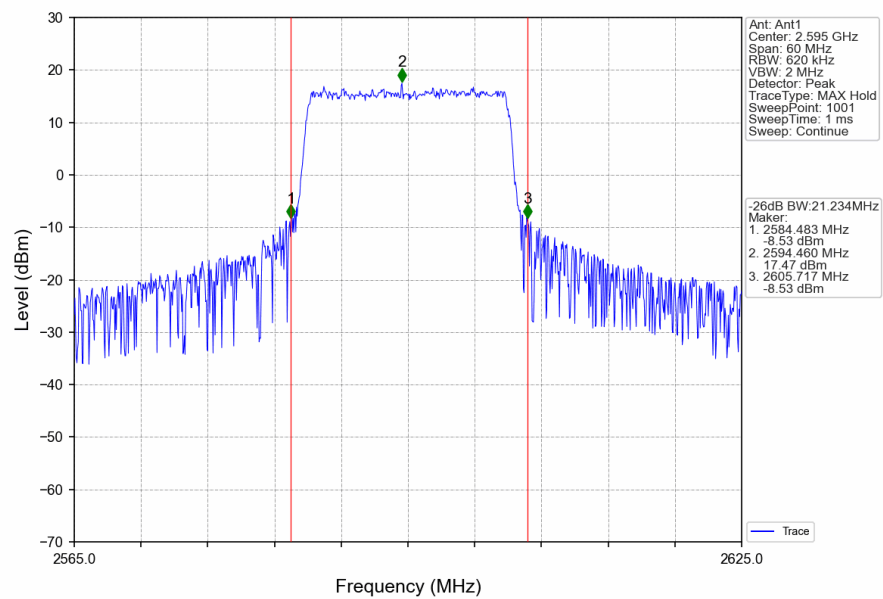
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



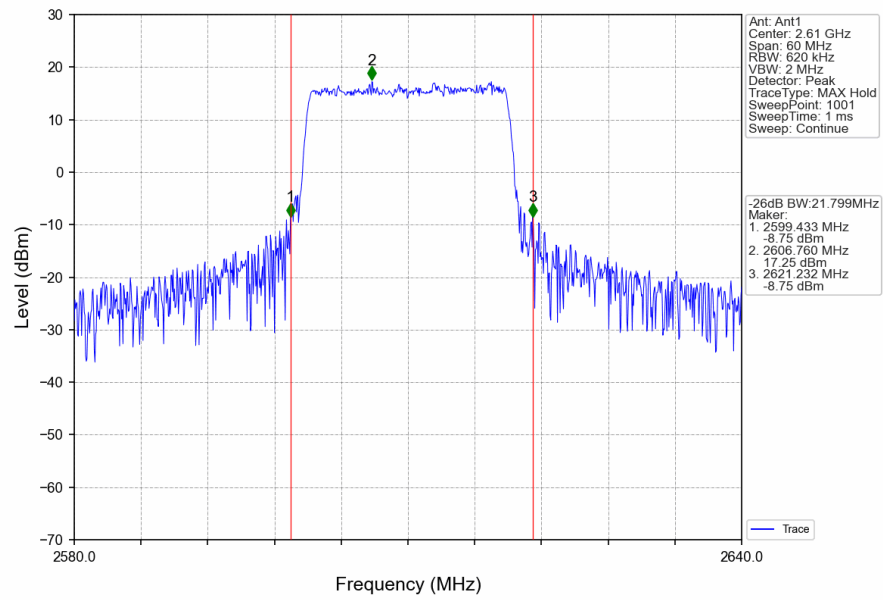
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTN



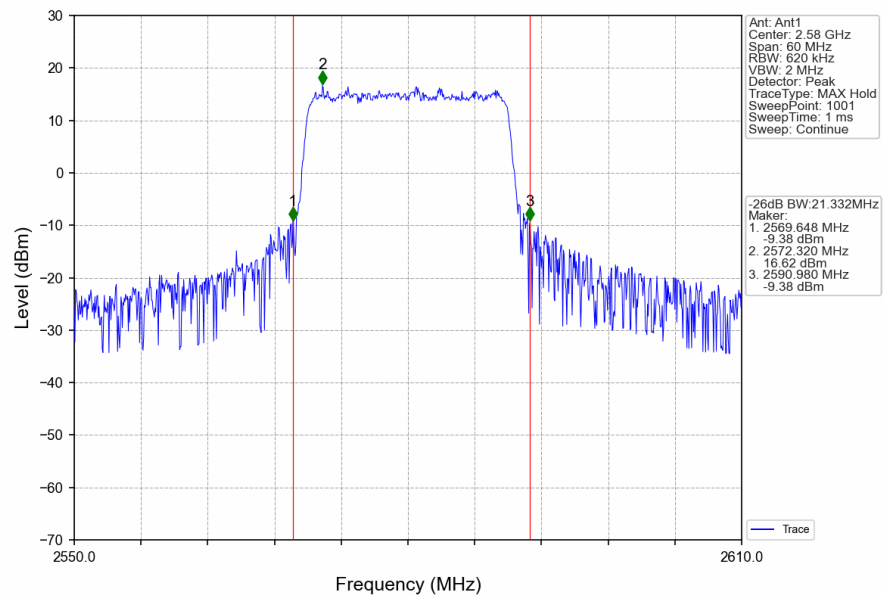
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



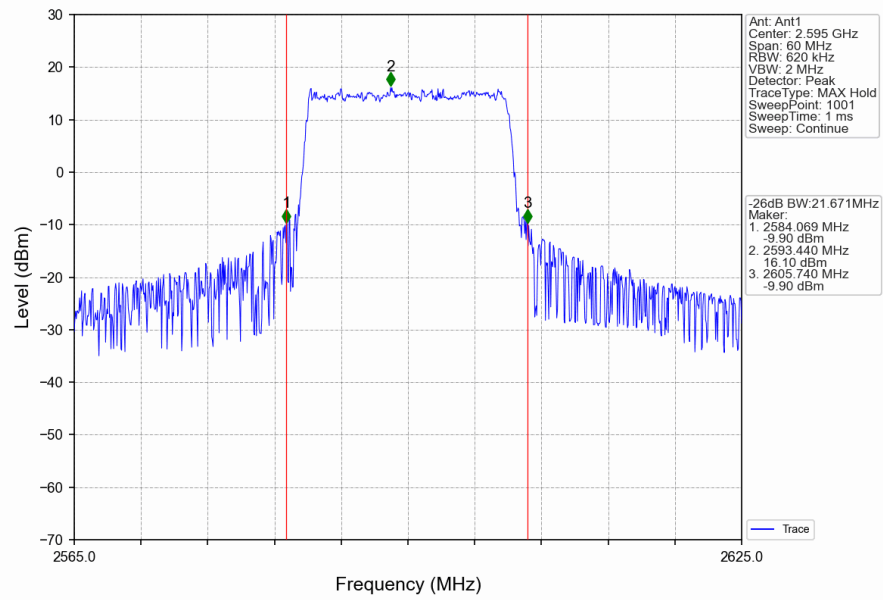
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



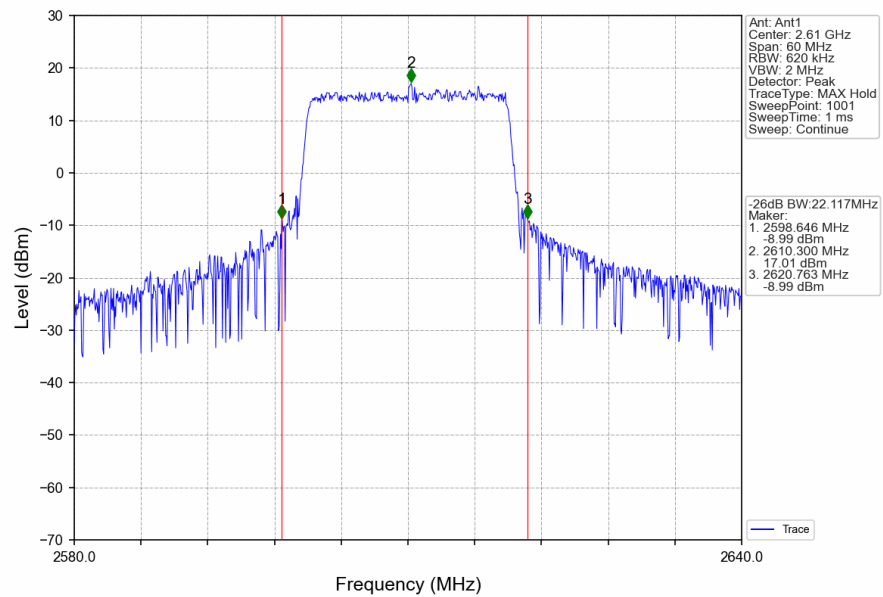
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



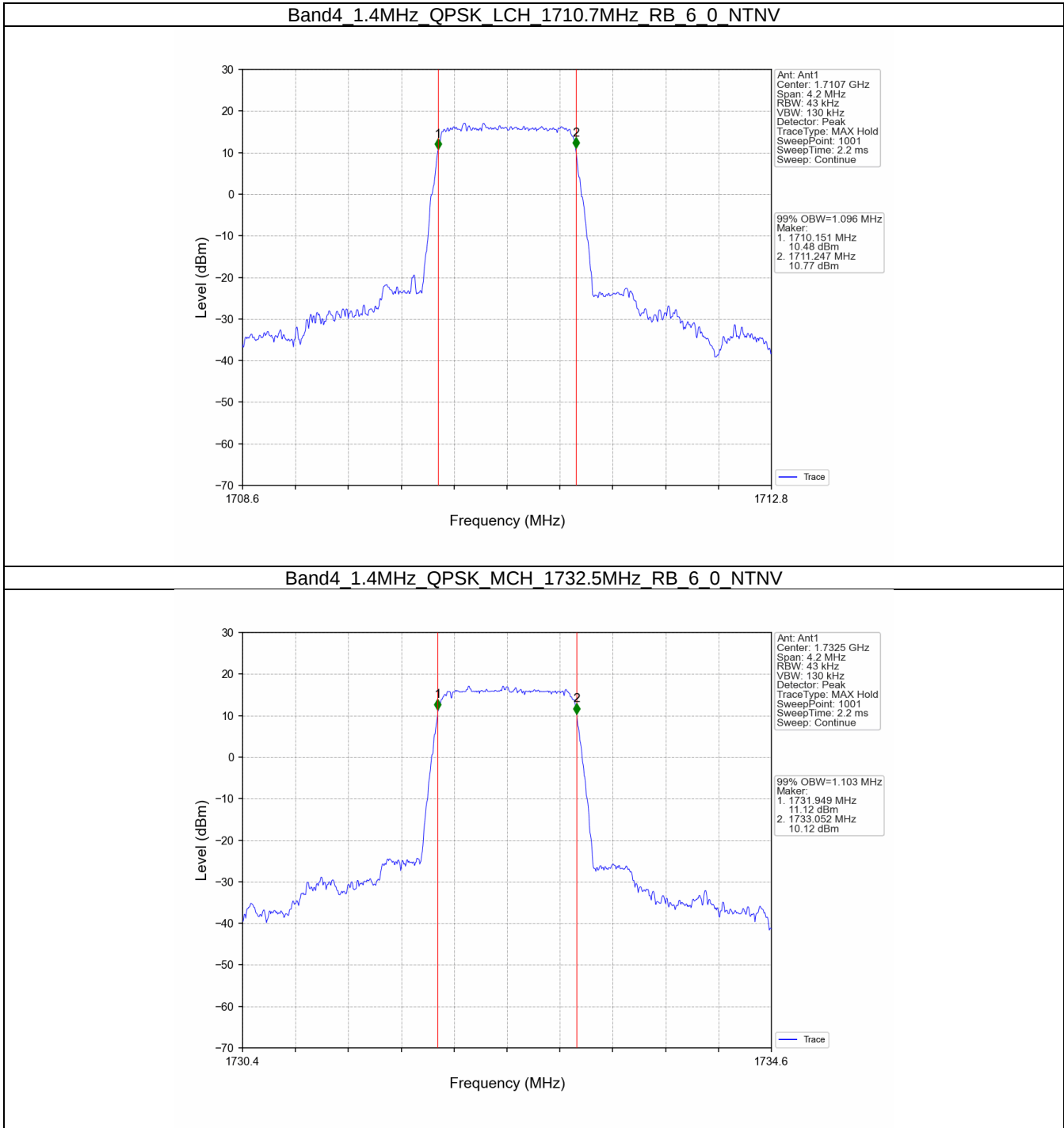
9. 99% & 26dB Bandwidth

9.1 Band4_OBW

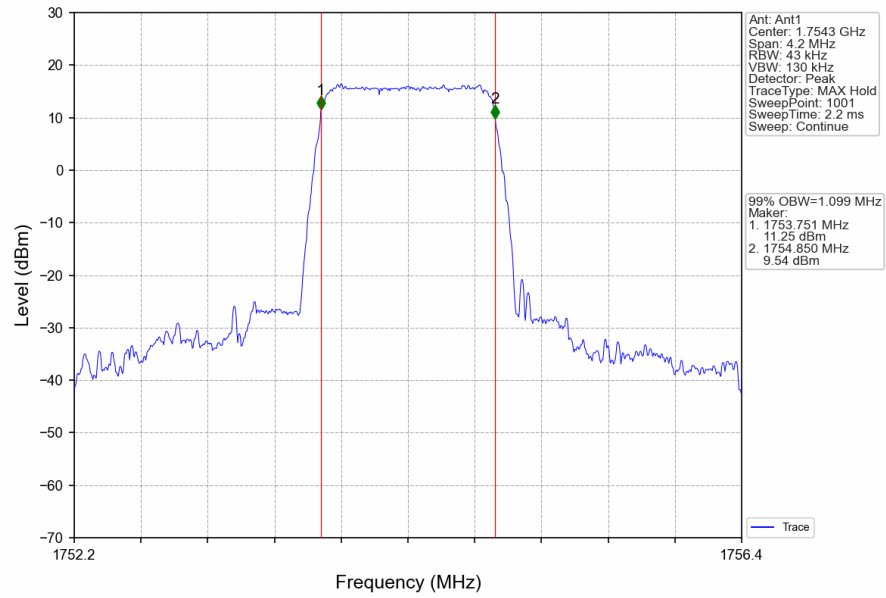
9.1.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.096	Pass
		1732.5	6	0	1.103	Pass
		1754.3	6	0	1.099	Pass
	16QAM	1710.7	6	0	1.103	Pass
		1732.5	6	0	1.097	Pass
		1754.3	6	0	1.106	Pass
3	QPSK	1711.5	15	0	2.743	Pass
		1732.5	15	0	2.738	Pass
		1753.5	15	0	2.739	Pass
	16QAM	1711.5	15	0	2.737	Pass
		1732.5	15	0	2.734	Pass
		1753.5	15	0	2.728	Pass
5	QPSK	1712.5	25	0	4.568	Pass
		1732.5	25	0	4.556	Pass
		1752.5	25	0	4.543	Pass
	16QAM	1712.5	25	0	4.536	Pass
		1732.5	25	0	4.547	Pass
		1752.5	25	0	4.536	Pass
10	QPSK	1715	50	0	9.074	Pass
		1732.5	50	0	9.055	Pass
		1750	50	0	9.059	Pass
	16QAM	1715	50	0	9.049	Pass
		1732.5	50	0	9.060	Pass
		1750	50	0	9.066	Pass
15	QPSK	1717.5	75	0	13.592	Pass
		1732.5	75	0	13.576	Pass
		1747.5	75	0	13.546	Pass
	16QAM	1717.5	75	0	13.566	Pass
		1732.5	75	0	13.636	Pass
		1747.5	75	0	13.601	Pass
20	QPSK	1720	100	0	18.113	Pass
		1732.5	100	0	18.092	Pass
		1745	100	0	18.084	Pass
	16QAM	1720	100	0	17.908	Pass
		1732.5	100	0	18.127	Pass
		1745	100	0	18.063	Pass

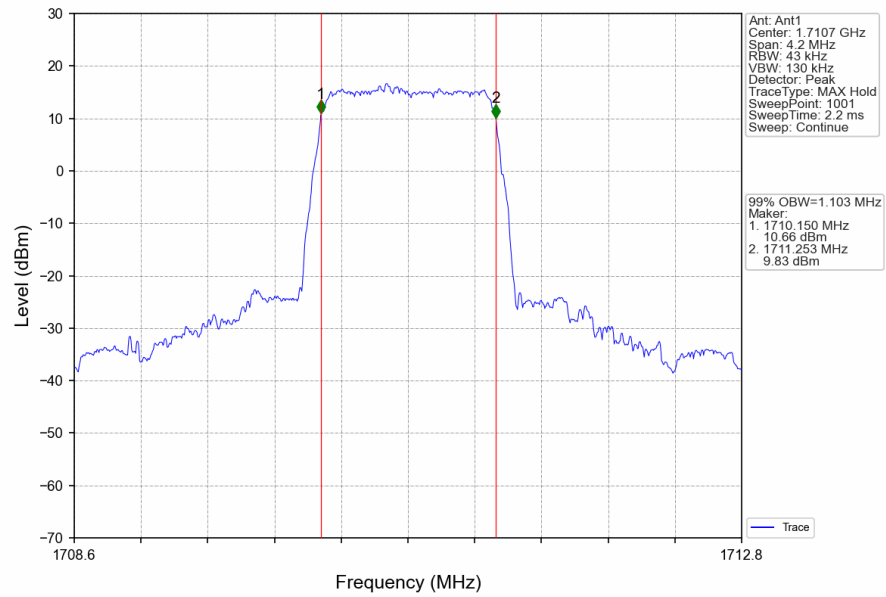
9.1.2 Test Graph



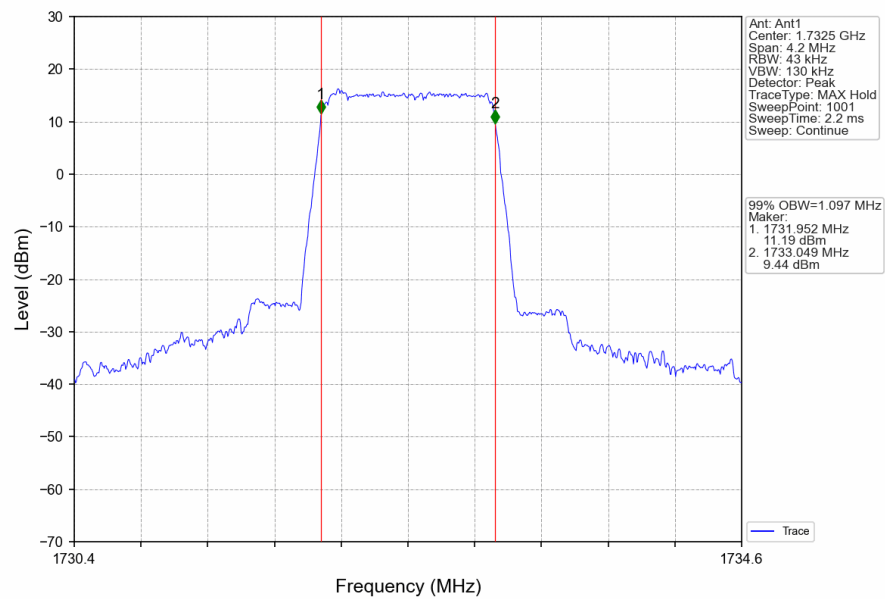
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



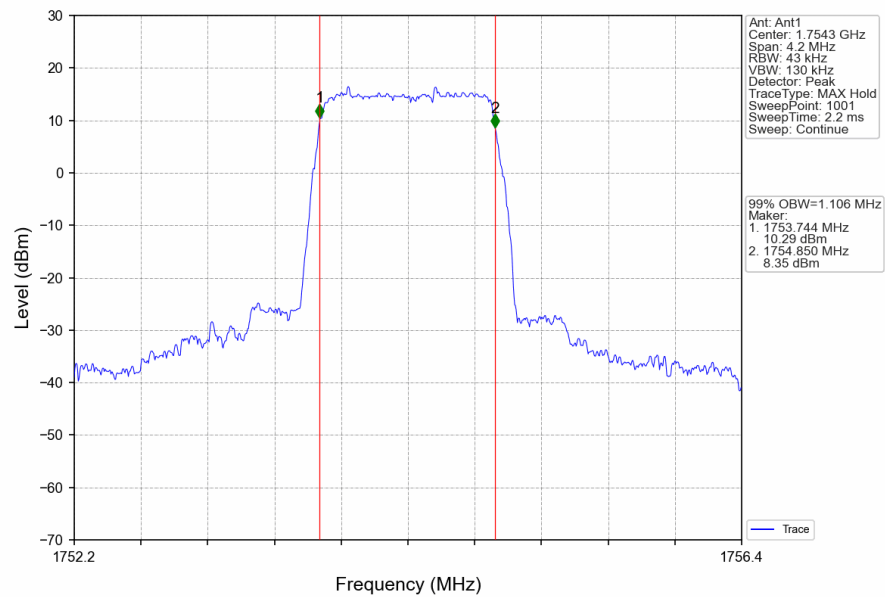
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



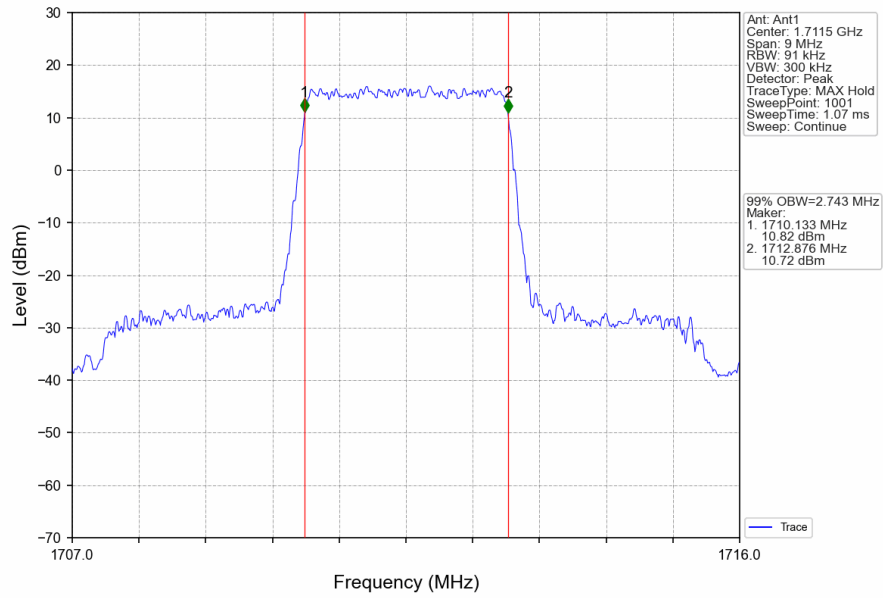
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



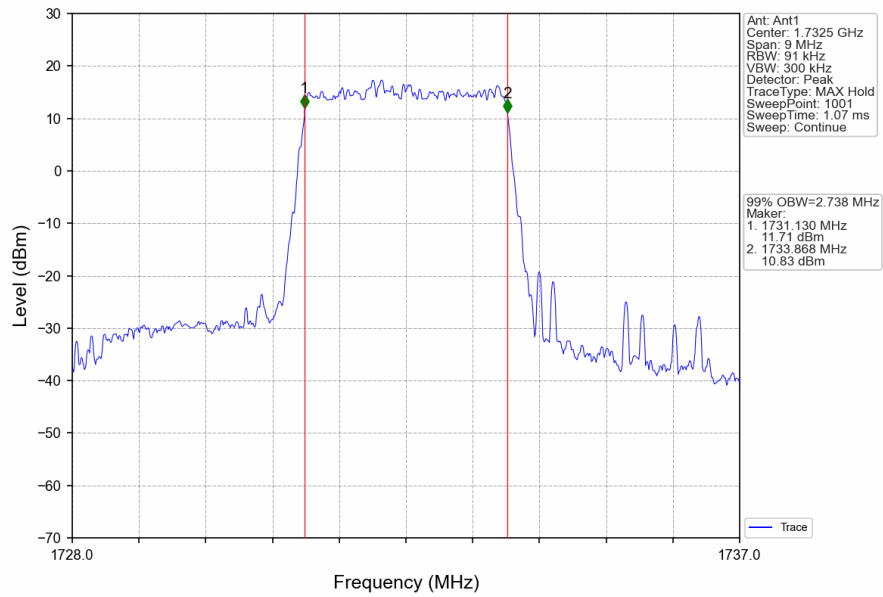
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



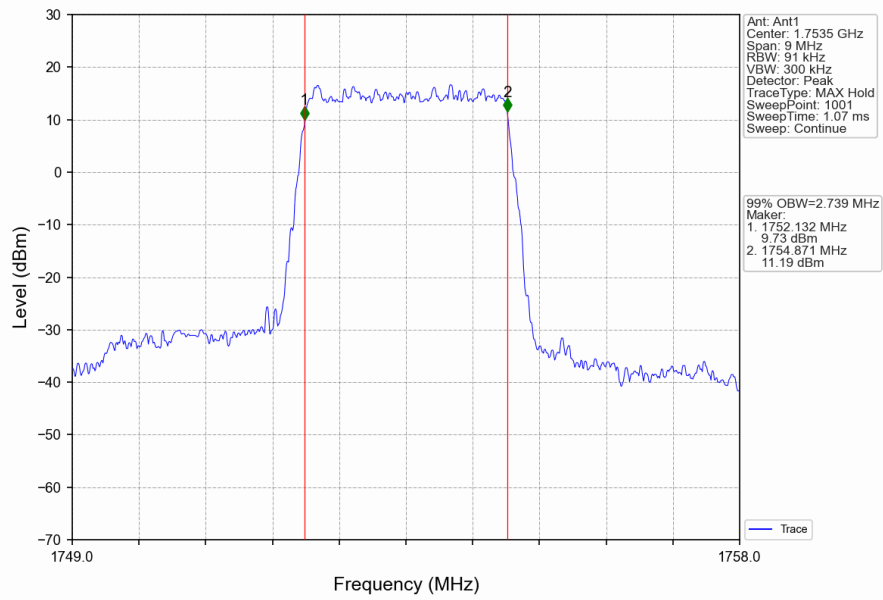
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



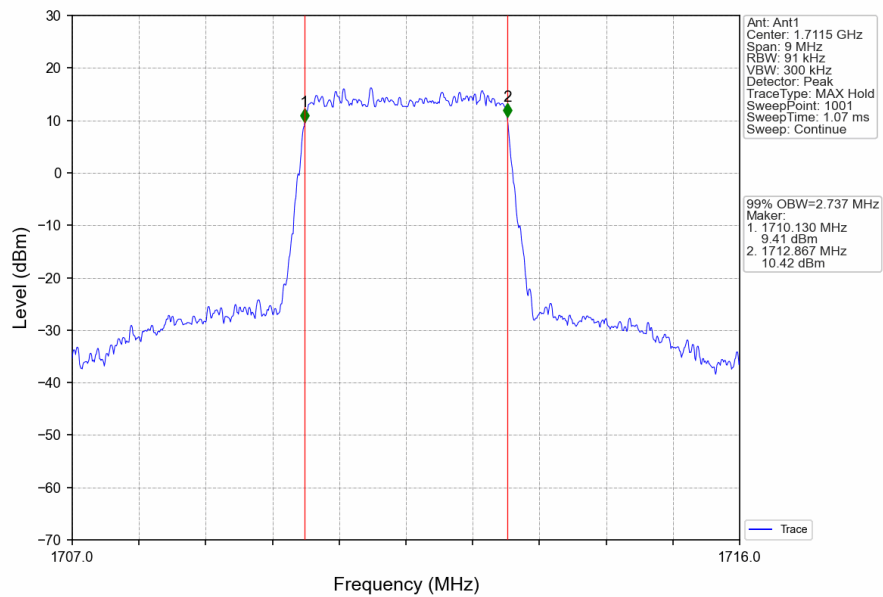
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



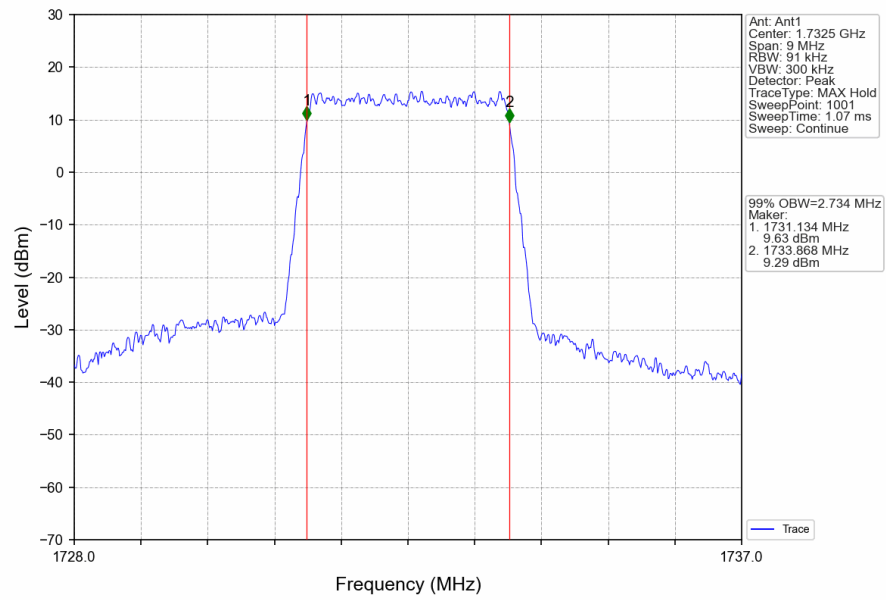
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



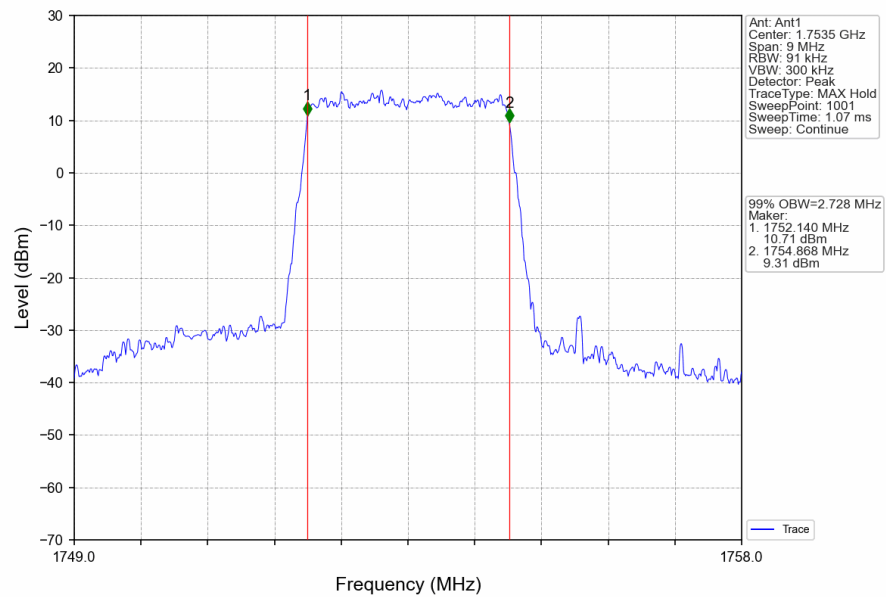
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



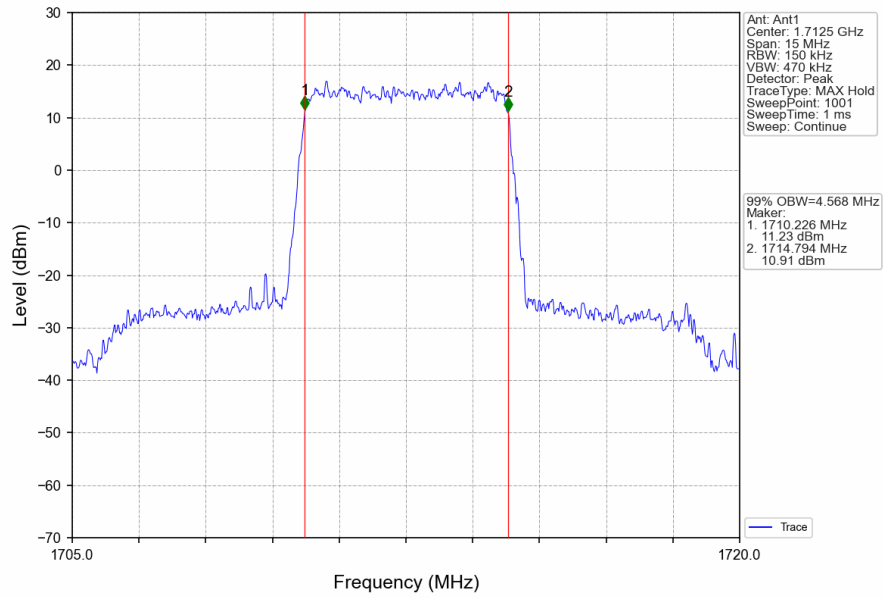
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



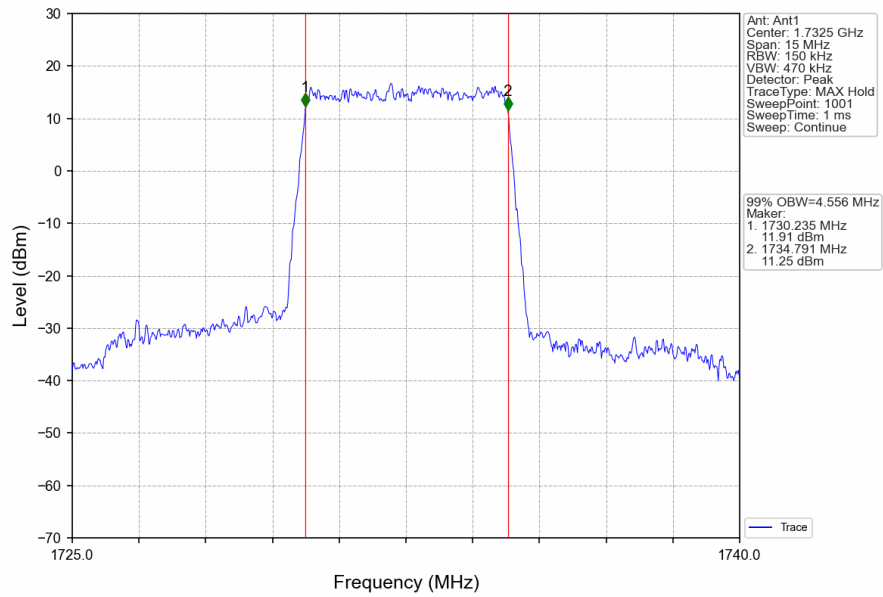
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



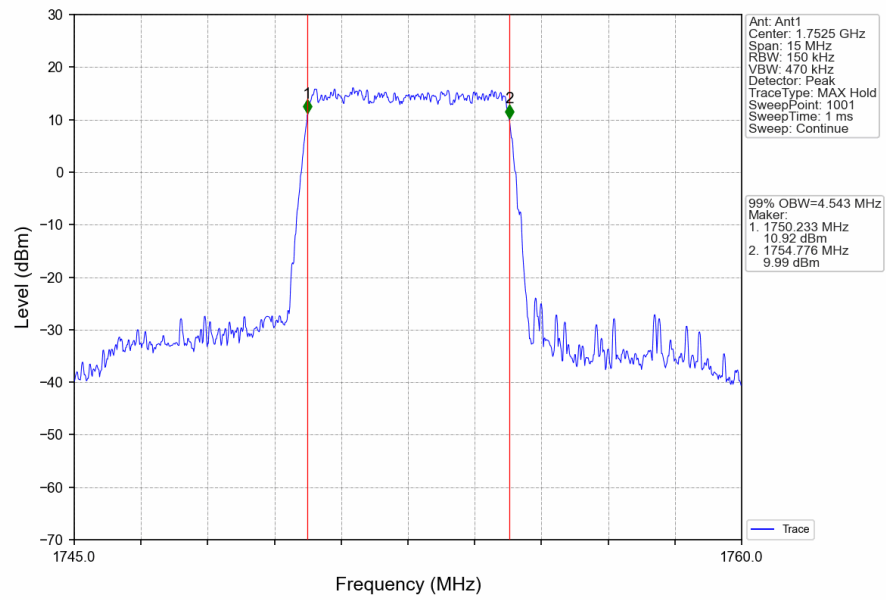
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



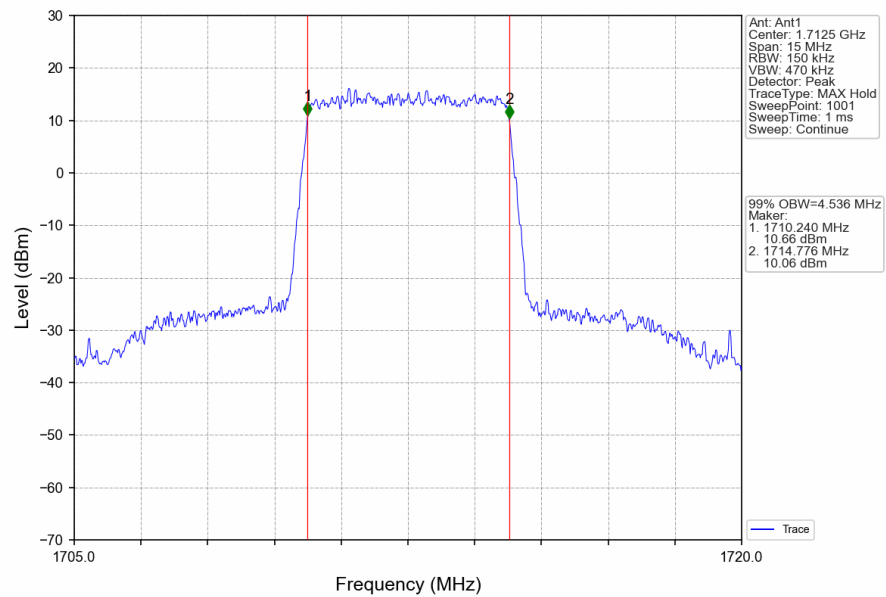
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



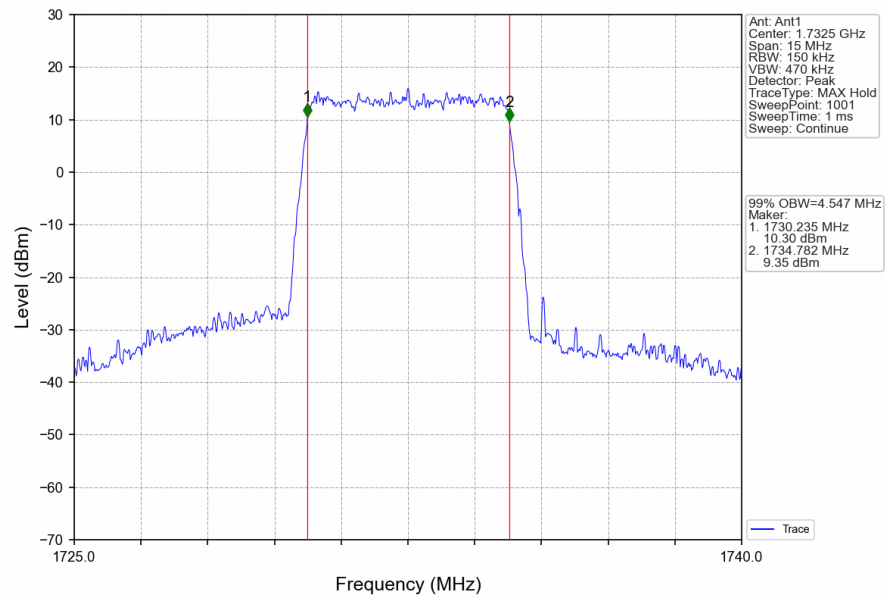
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



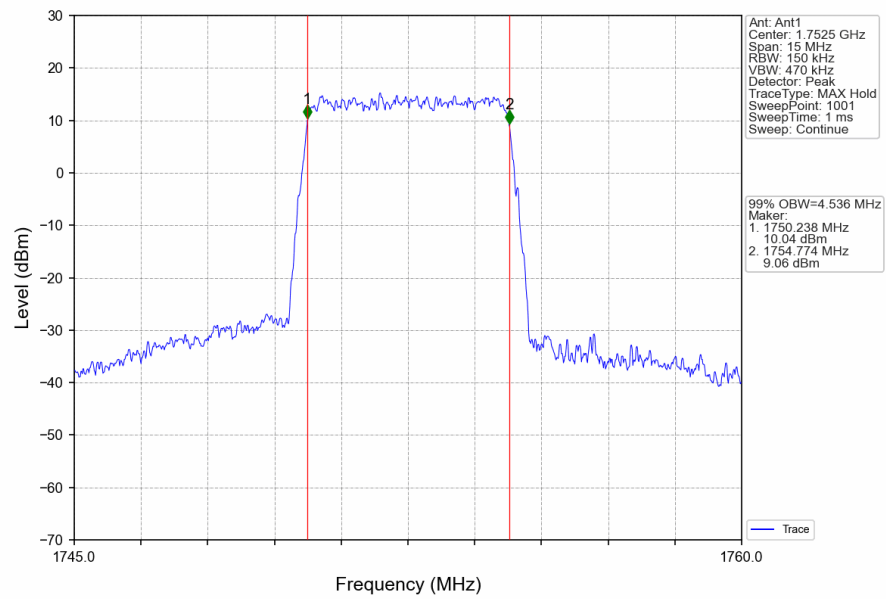
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



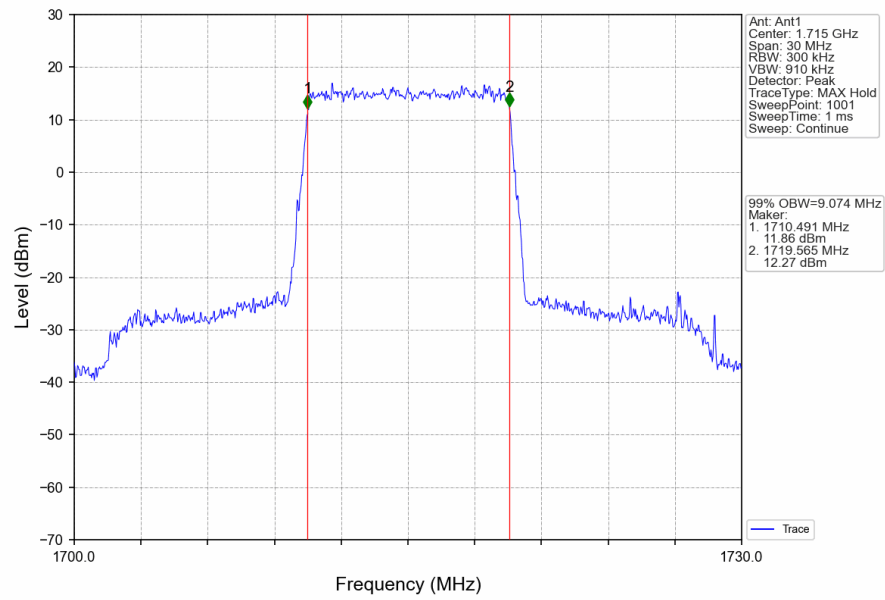
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



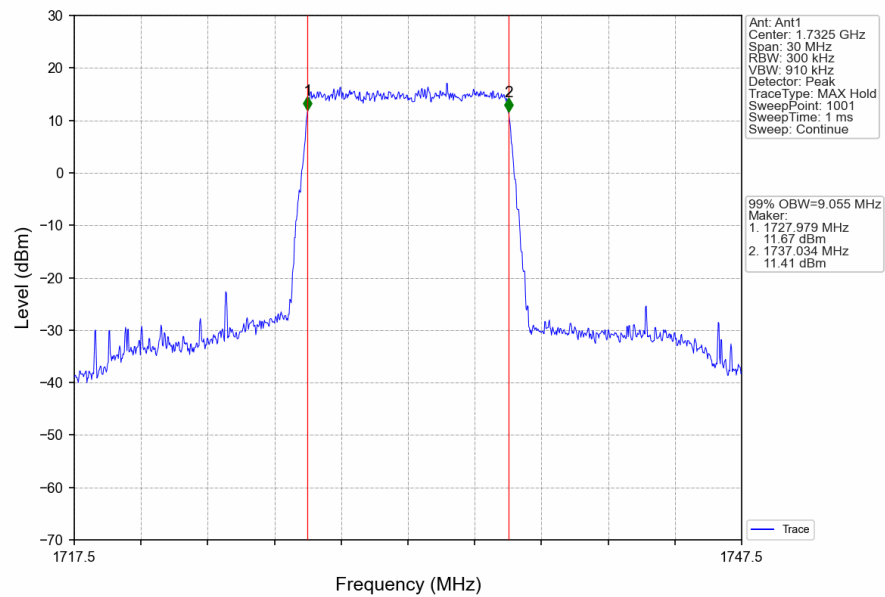
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



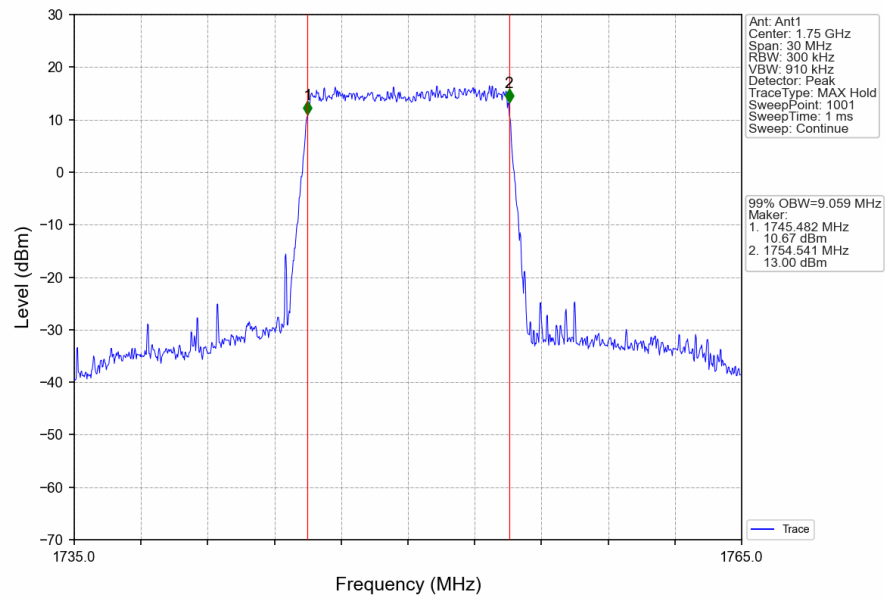
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



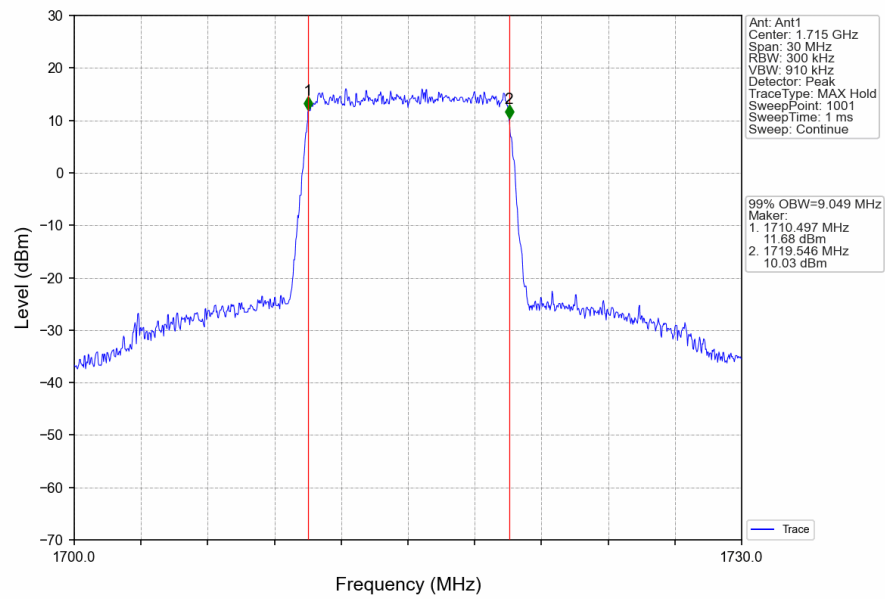
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTN



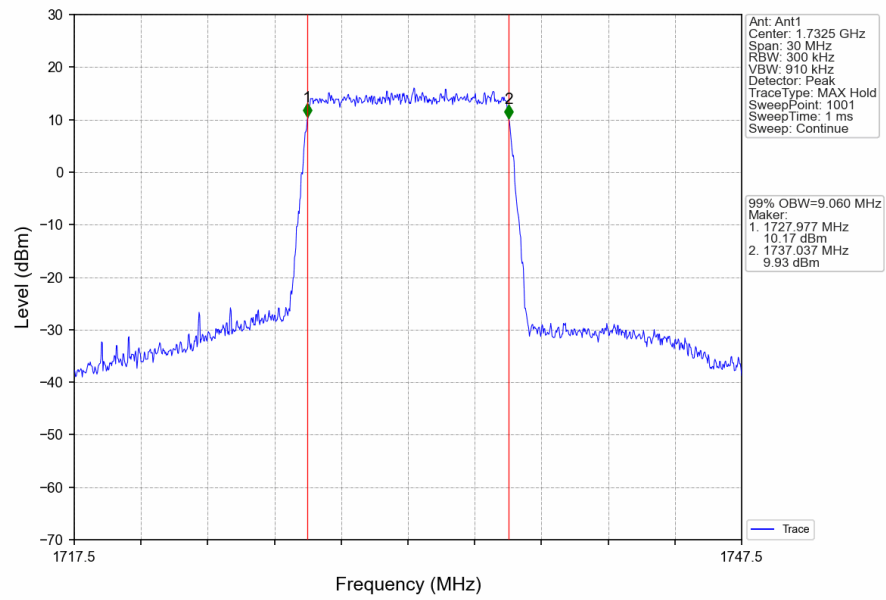
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



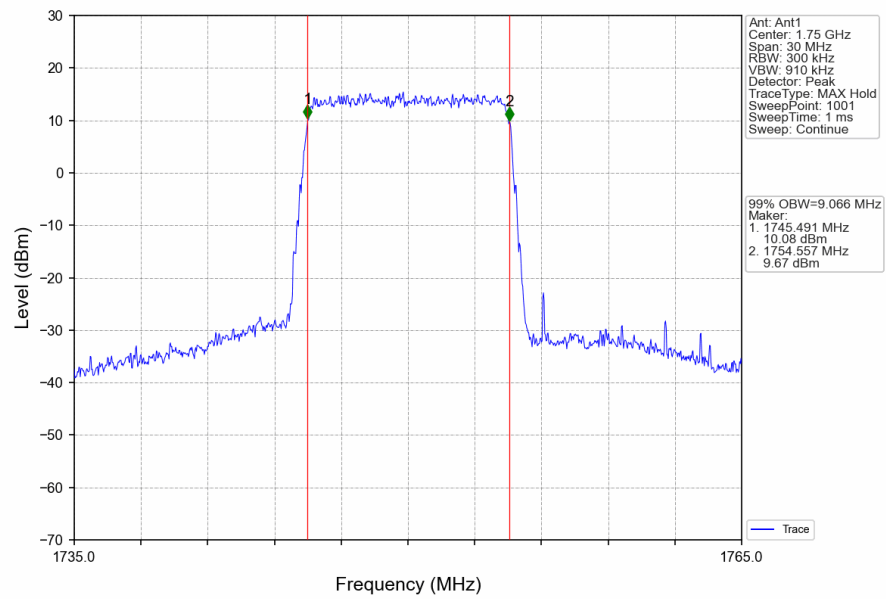
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



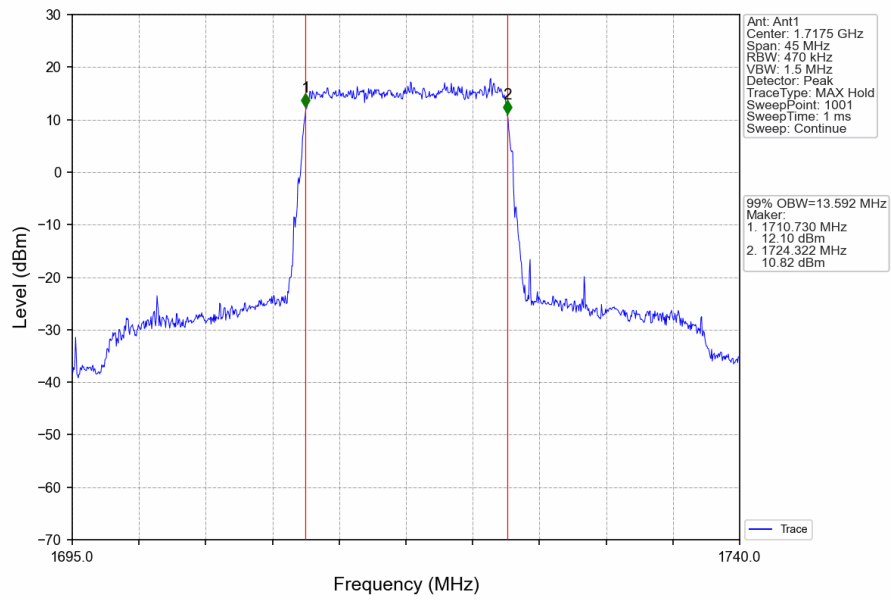
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



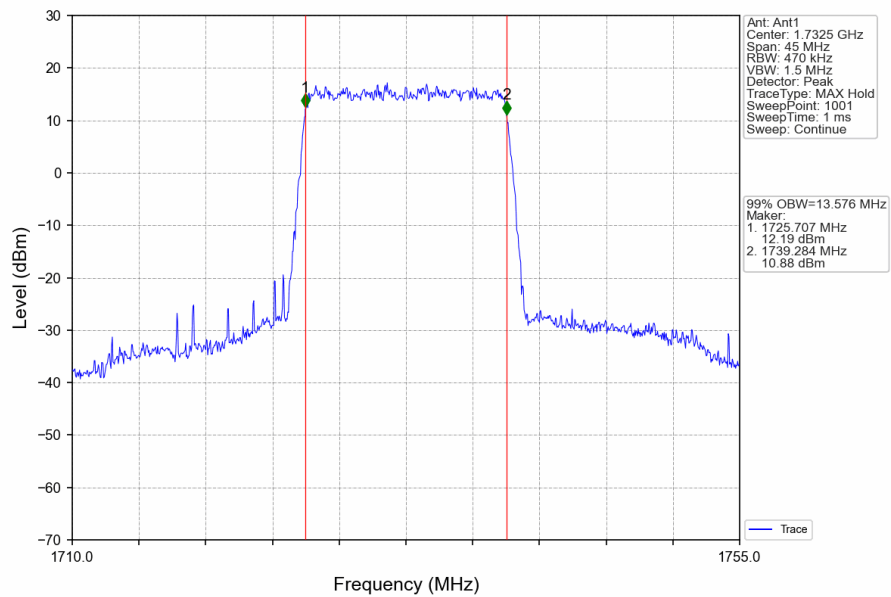
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



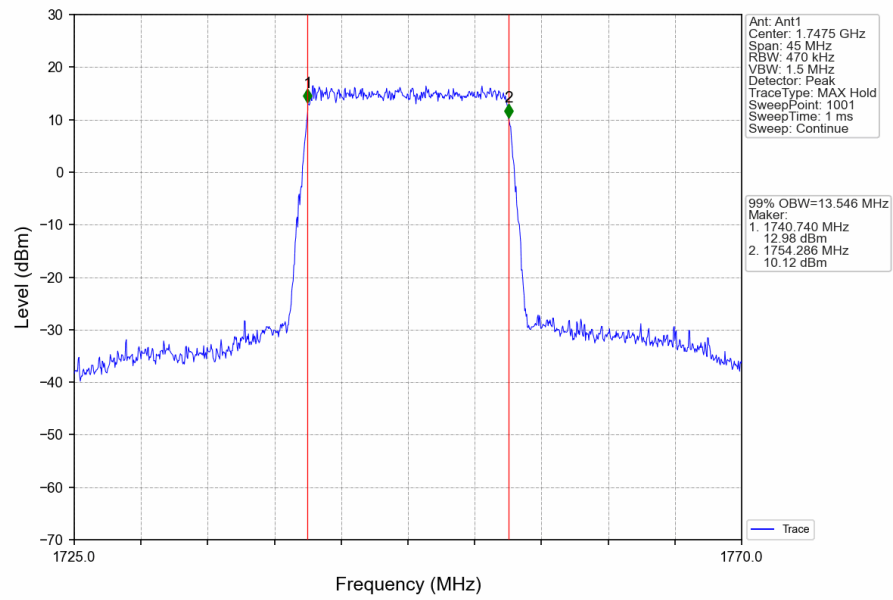
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



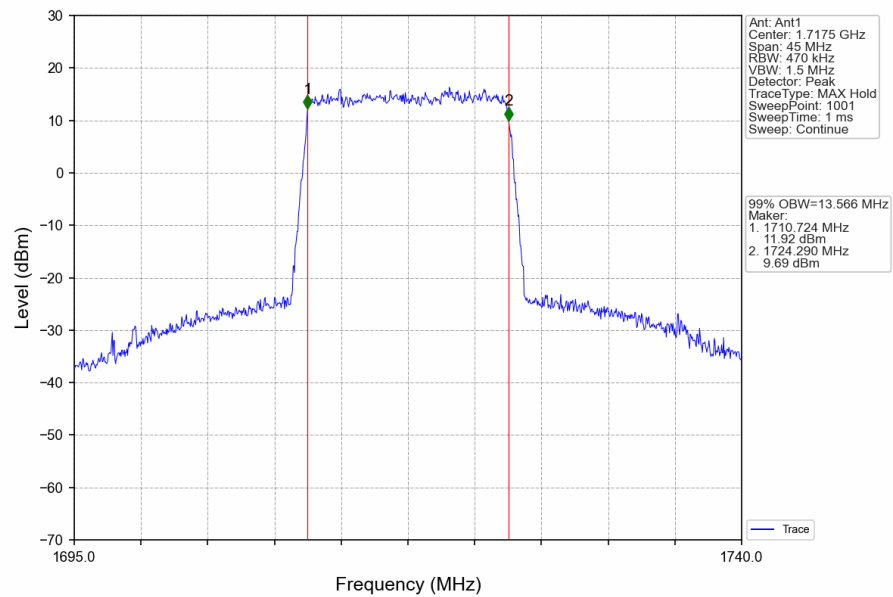
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



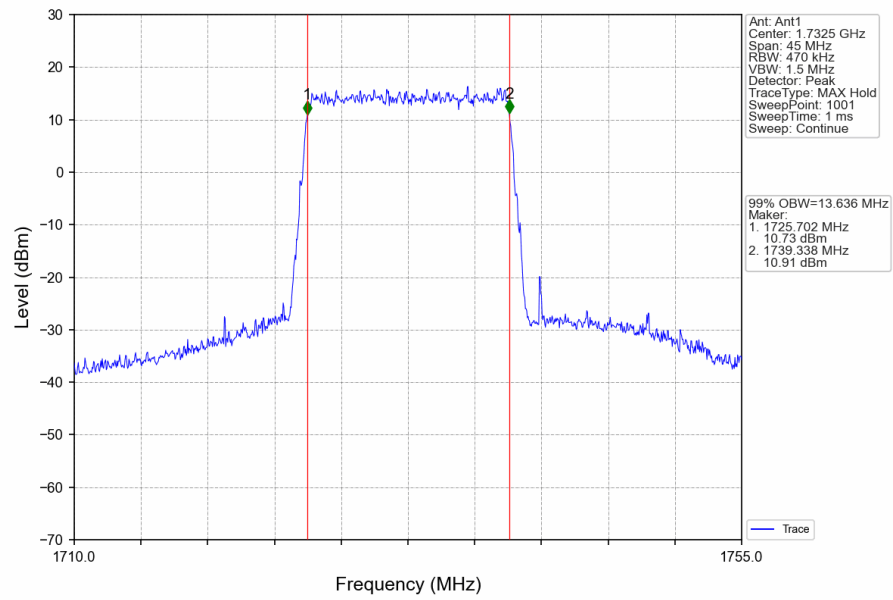
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



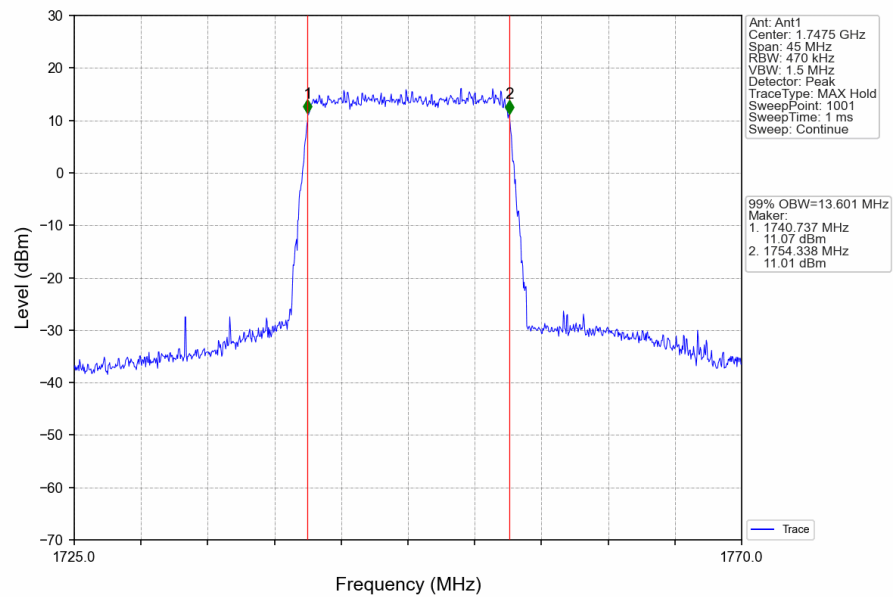
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



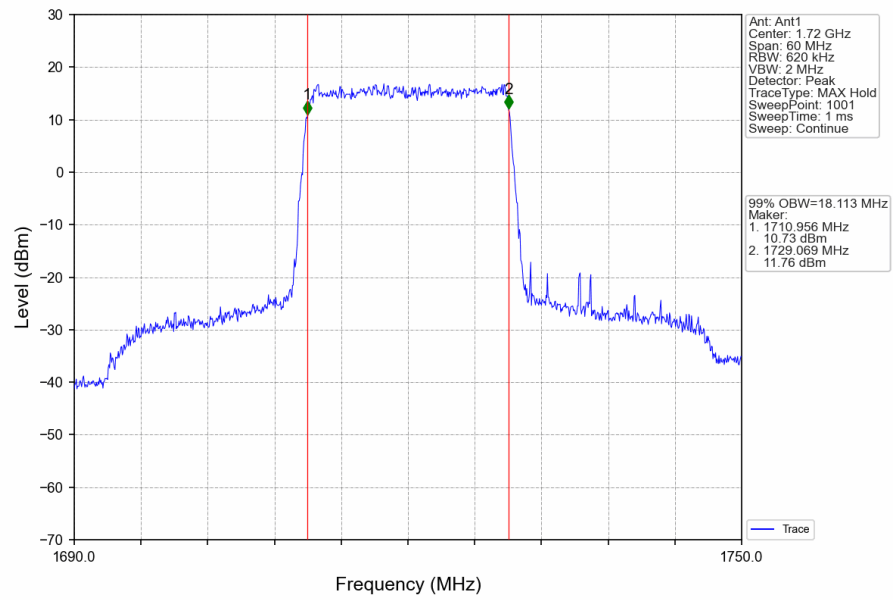
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



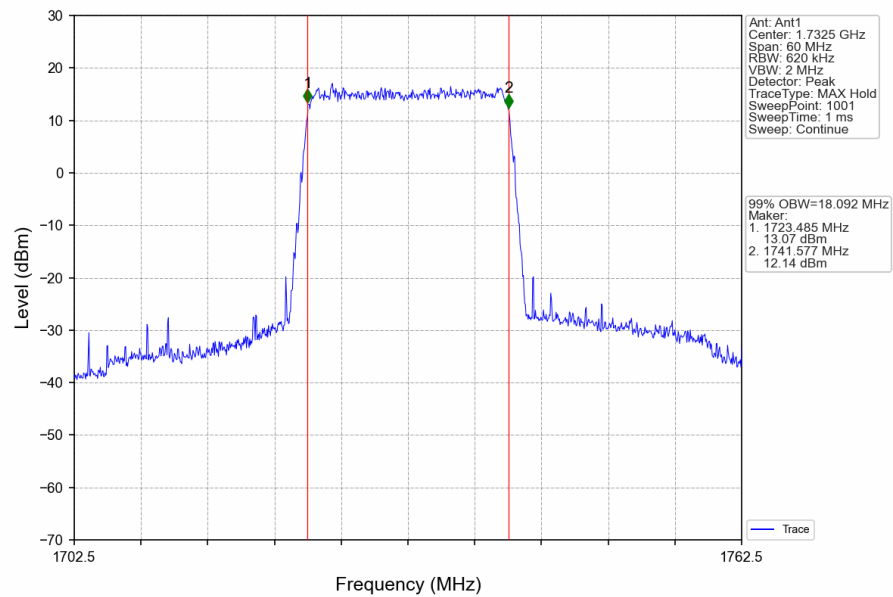
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



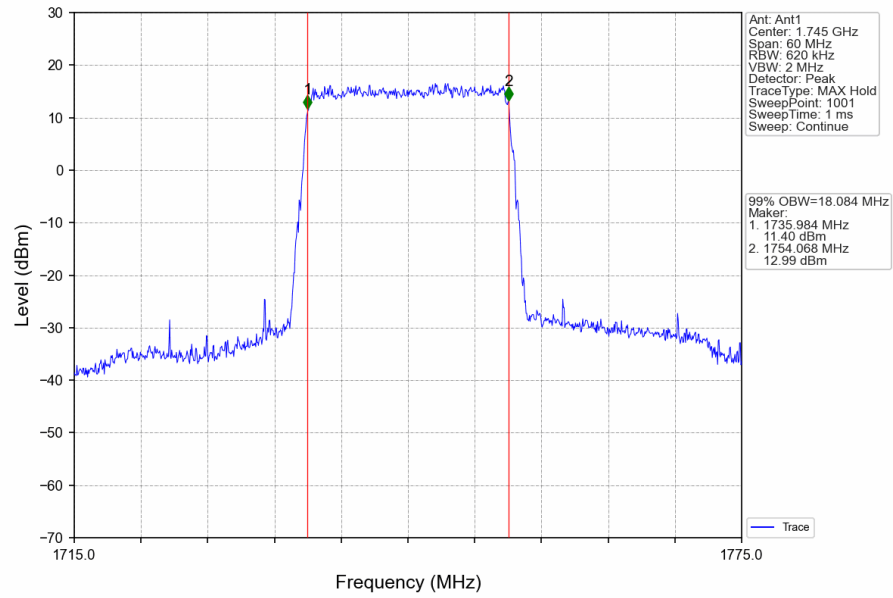
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



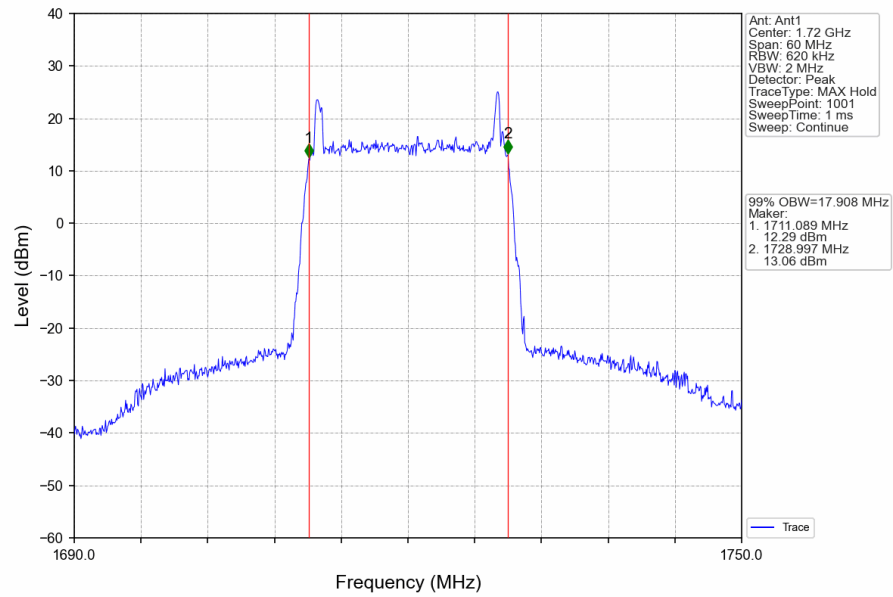
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



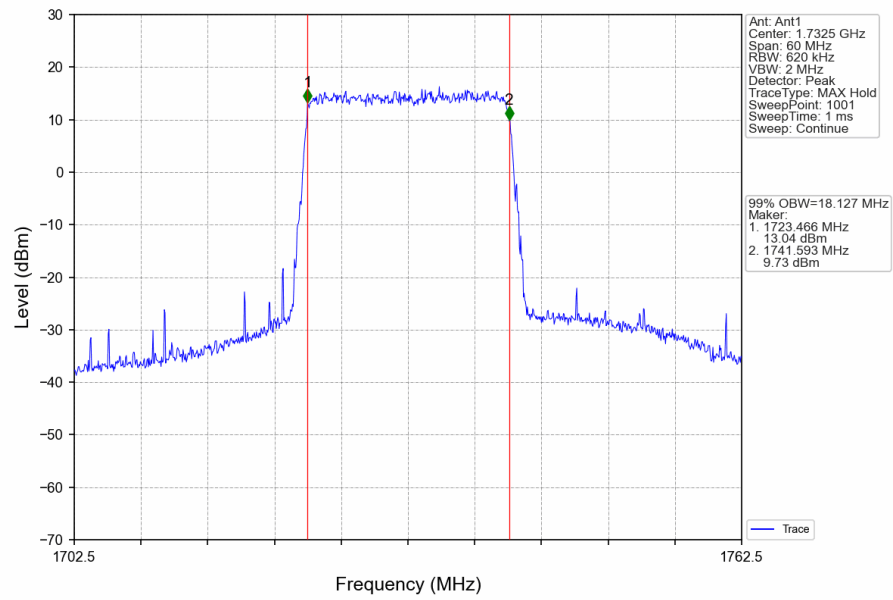
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



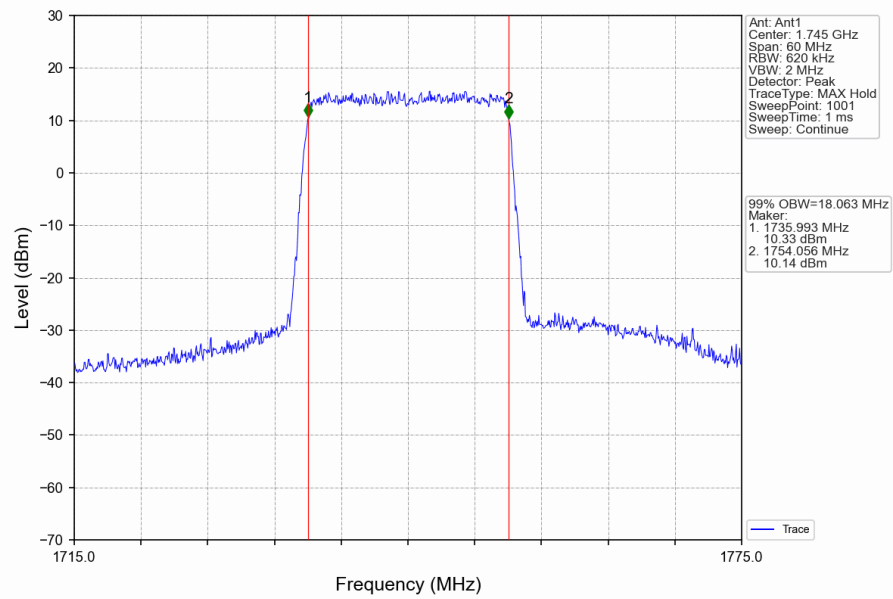
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

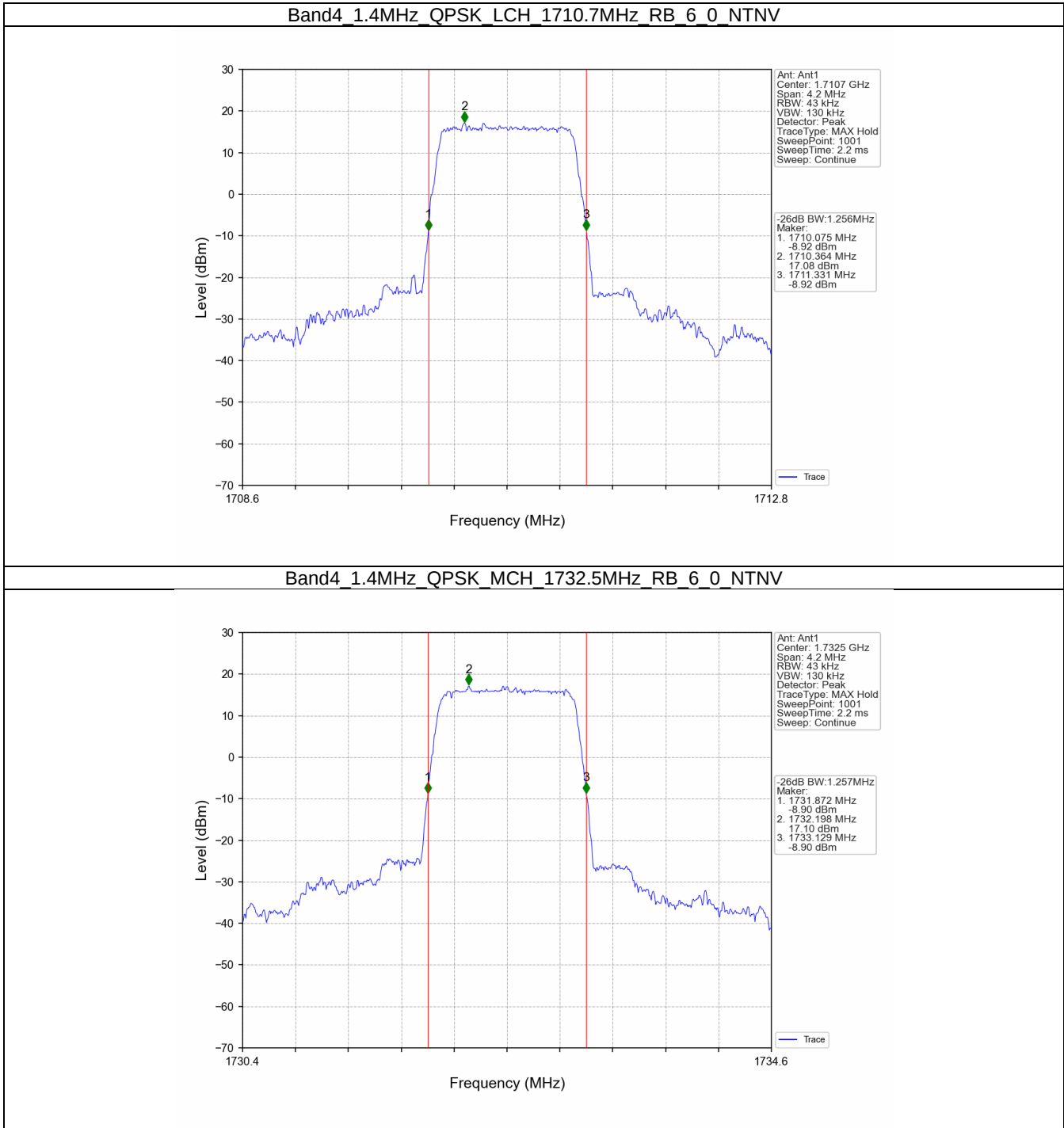


9.2 Band4_XDB

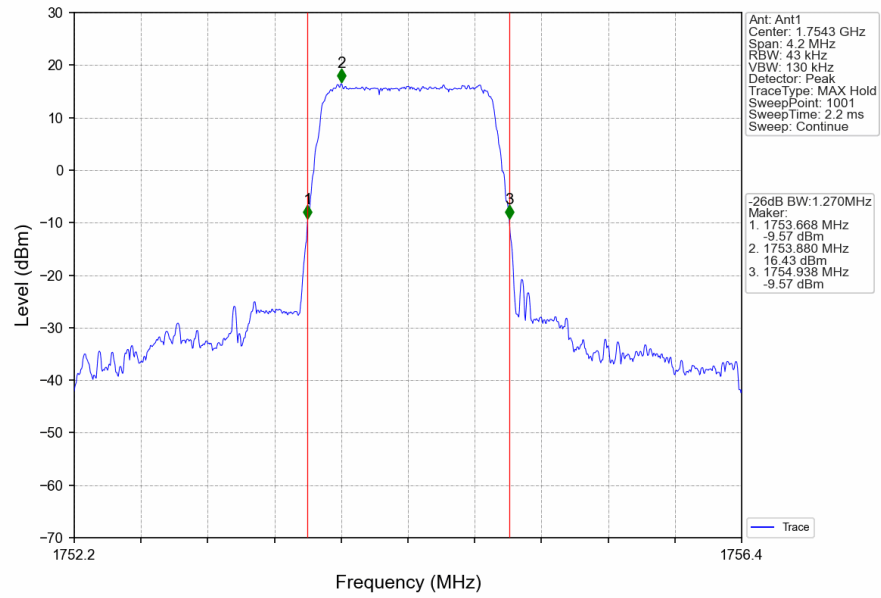
9.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.256	Pass
		1732.5	6	0	1.257	Pass
		1754.3	6	0	1.270	Pass
	16QAM	1710.7	6	0	1.266	Pass
		1732.5	6	0	1.253	Pass
		1754.3	6	0	1.262	Pass
3	QPSK	1711.5	15	0	3.062	Pass
		1732.5	15	0	3.077	Pass
		1753.5	15	0	3.057	Pass
	16QAM	1711.5	15	0	3.027	Pass
		1732.5	15	0	3.070	Pass
		1753.5	15	0	3.058	Pass
5	QPSK	1712.5	25	0	5.048	Pass
		1732.5	25	0	5.026	Pass
		1752.5	25	0	5.065	Pass
	16QAM	1712.5	25	0	5.028	Pass
		1732.5	25	0	5.061	Pass
		1752.5	25	0	5.037	Pass
10	QPSK	1715	50	0	10.058	Pass
		1732.5	50	0	10.015	Pass
		1750	50	0	9.922	Pass
	16QAM	1715	50	0	9.929	Pass
		1732.5	50	0	9.963	Pass
		1750	50	0	9.940	Pass
15	QPSK	1717.5	75	0	14.840	Pass
		1732.5	75	0	14.889	Pass
		1747.5	75	0	14.985	Pass
	16QAM	1717.5	75	0	14.909	Pass
		1732.5	75	0	14.937	Pass
		1747.5	75	0	14.960	Pass
20	QPSK	1720	100	0	19.785	Pass
		1732.5	100	0	19.759	Pass
		1745	100	0	19.786	Pass
	16QAM	1720	100	0	19.127	Pass
		1732.5	100	0	19.828	Pass
		1745	100	0	19.789	Pass

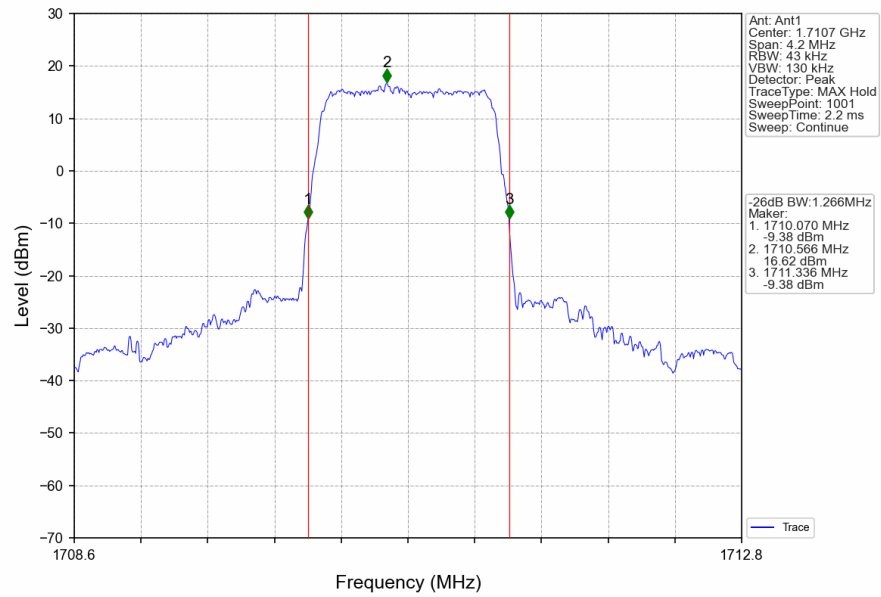
9.2.2 Test Graph



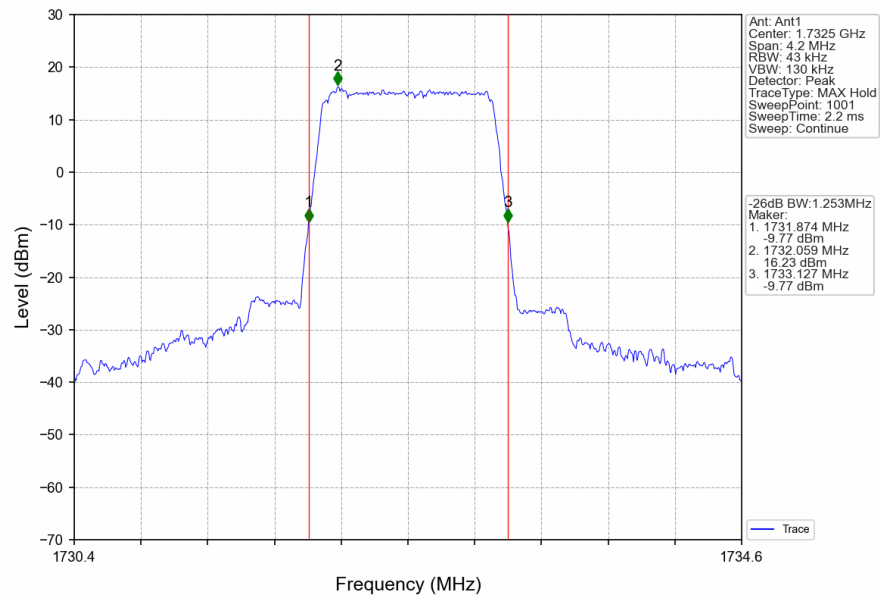
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



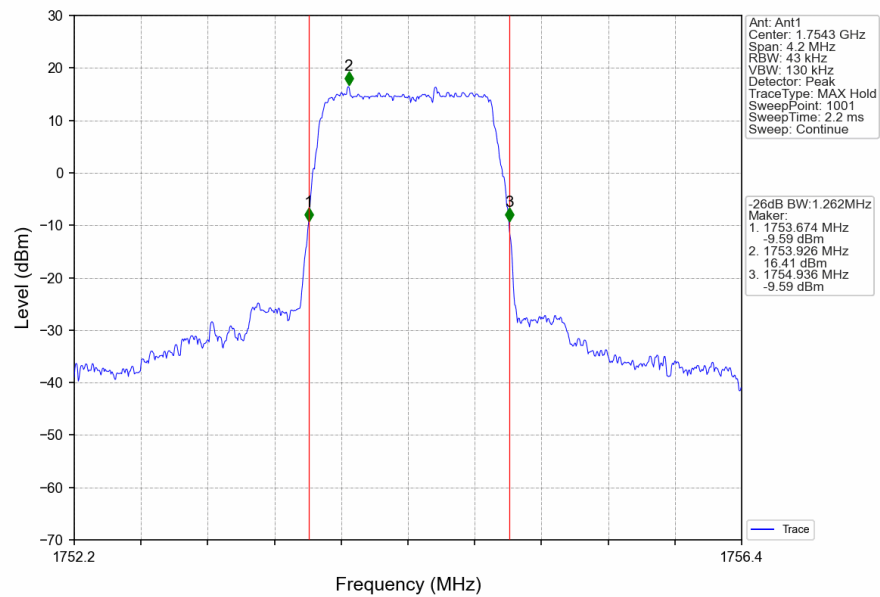
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



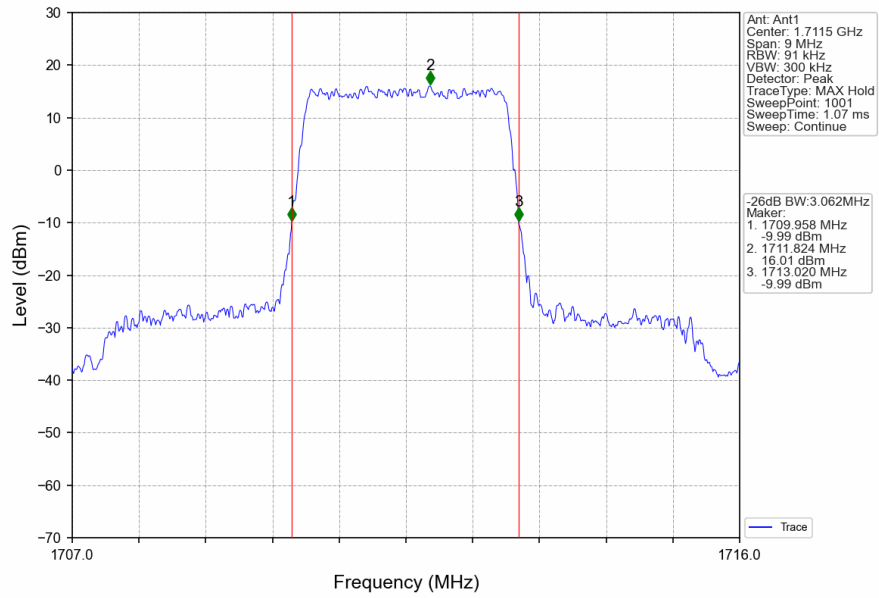
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



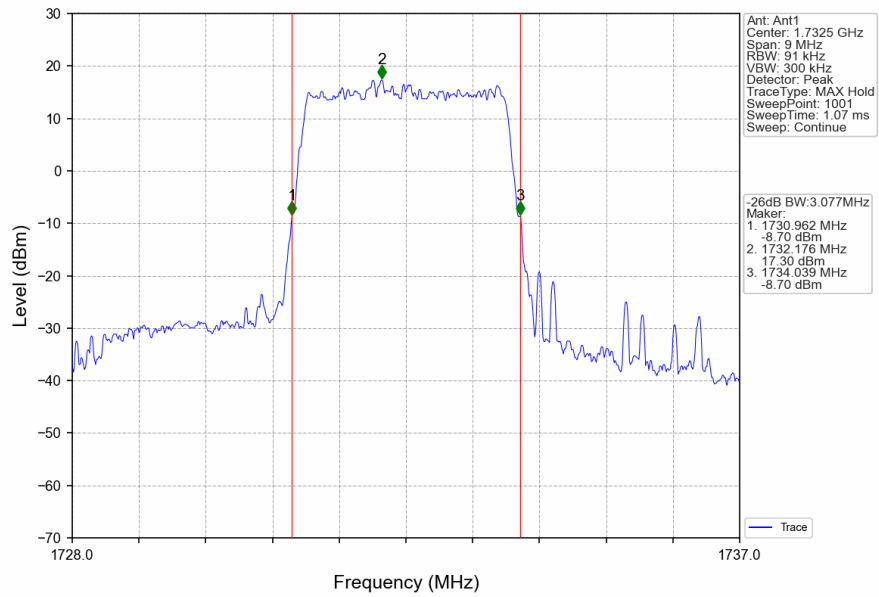
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



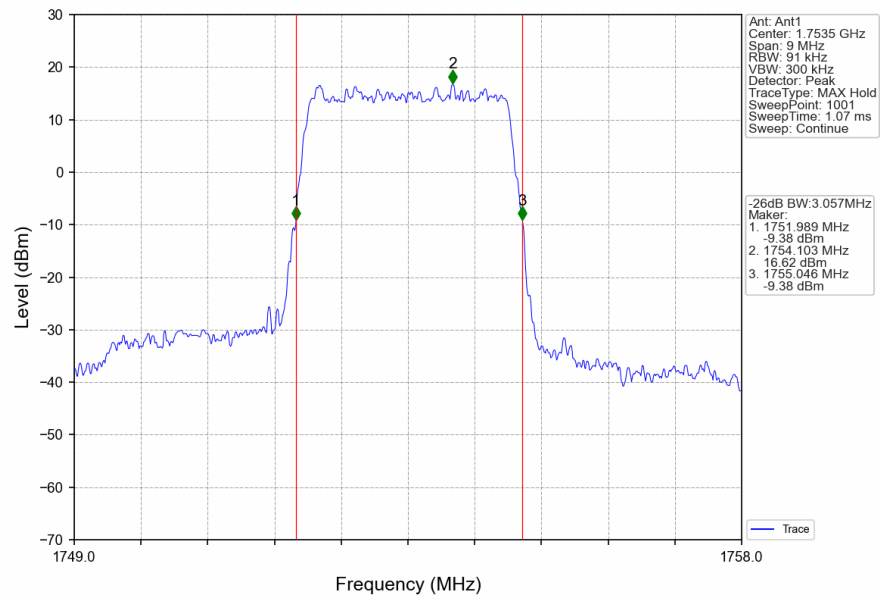
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



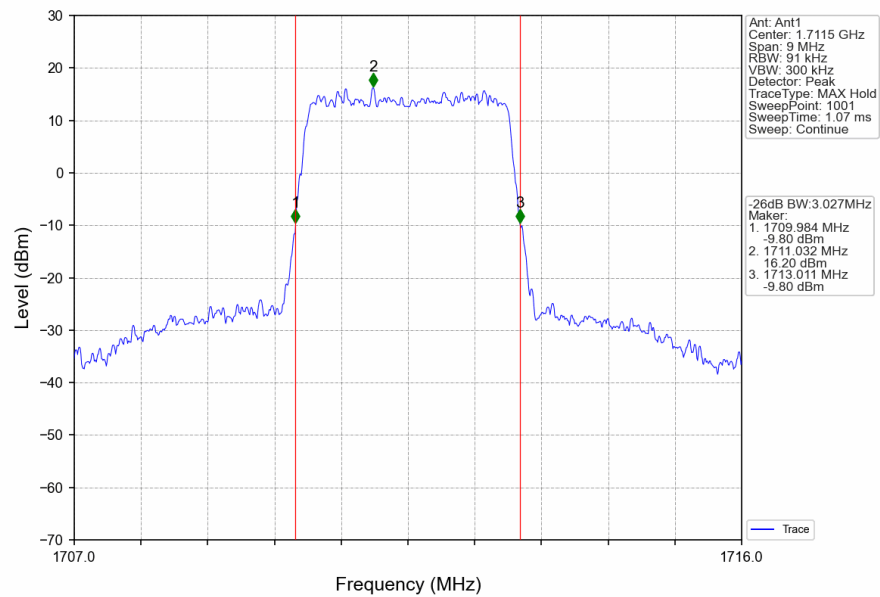
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



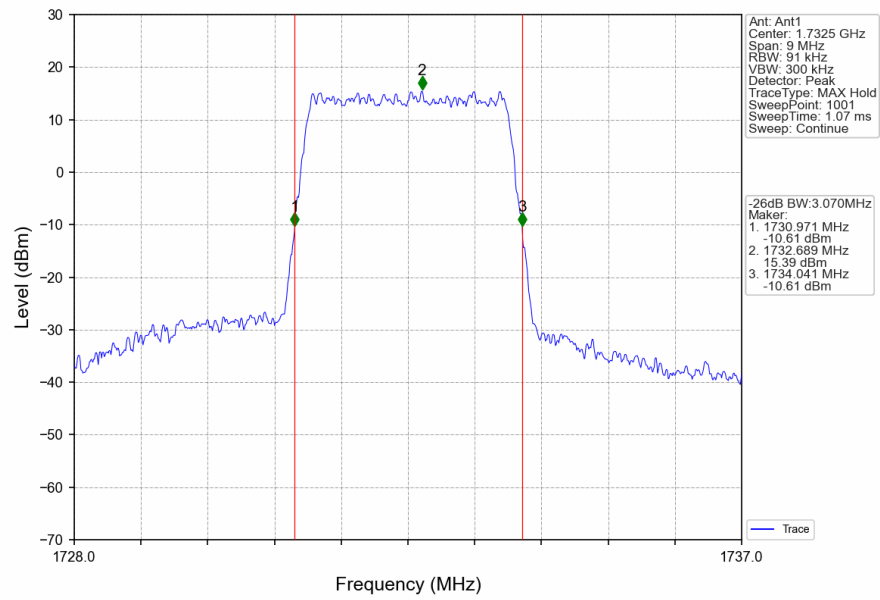
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



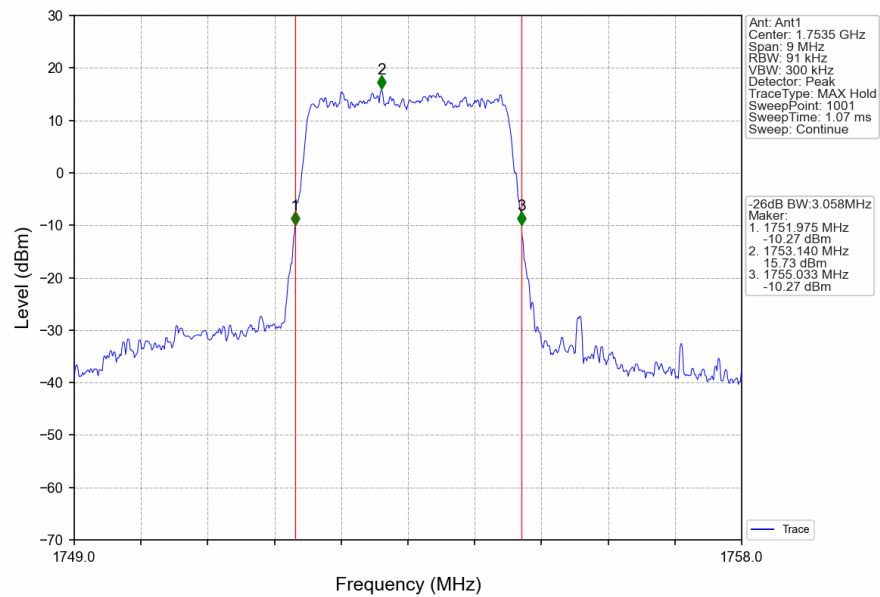
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



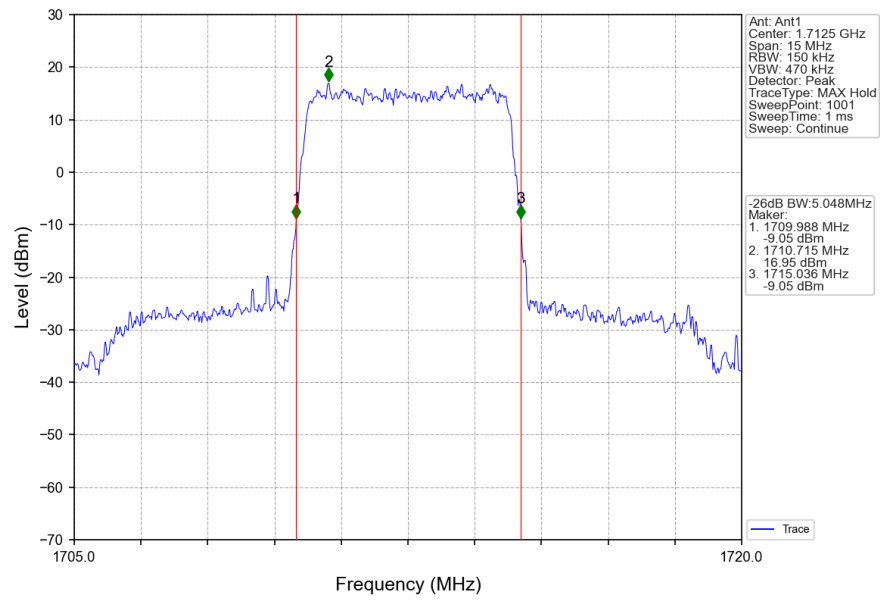
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



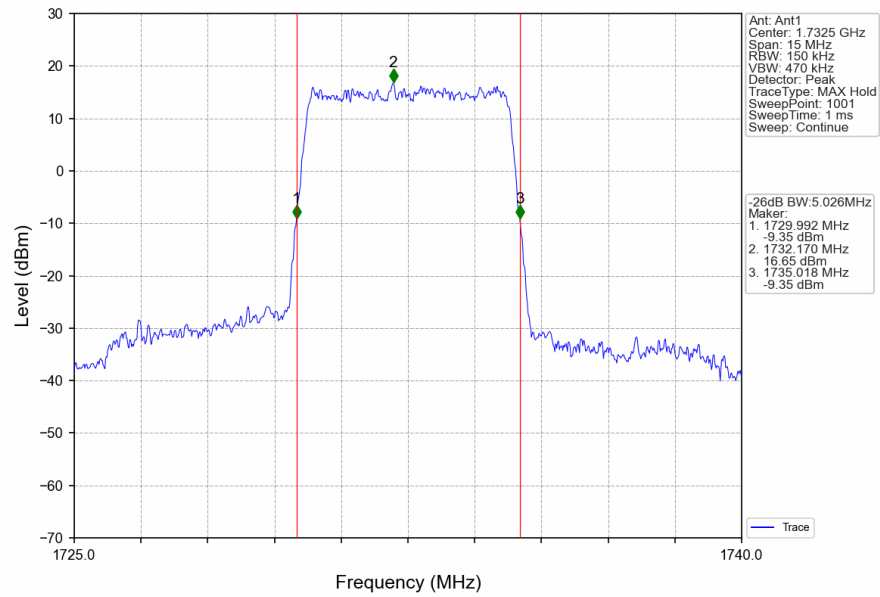
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



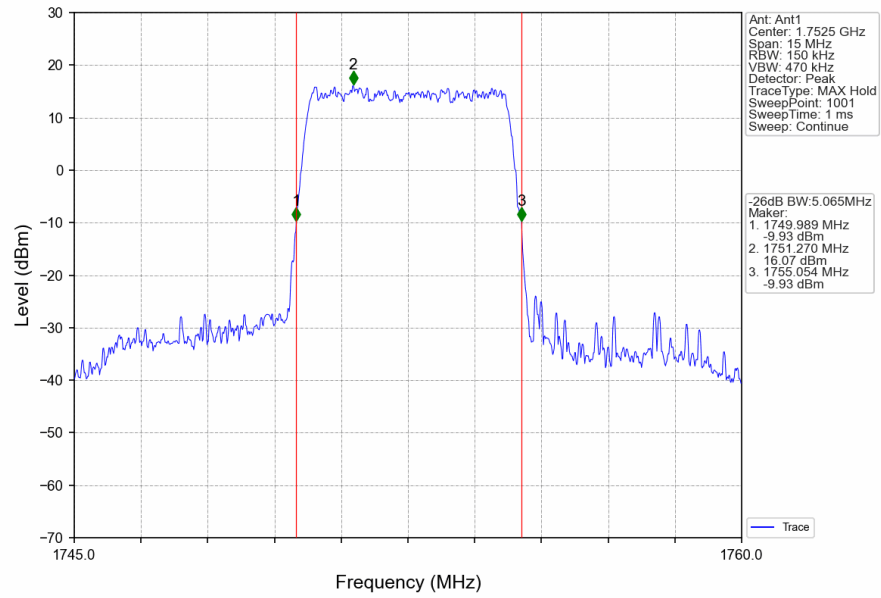
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



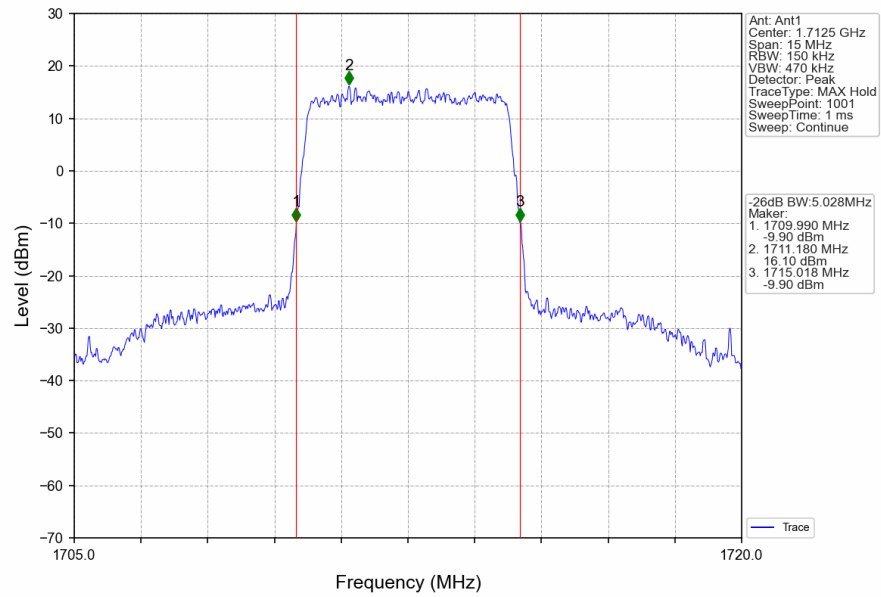
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



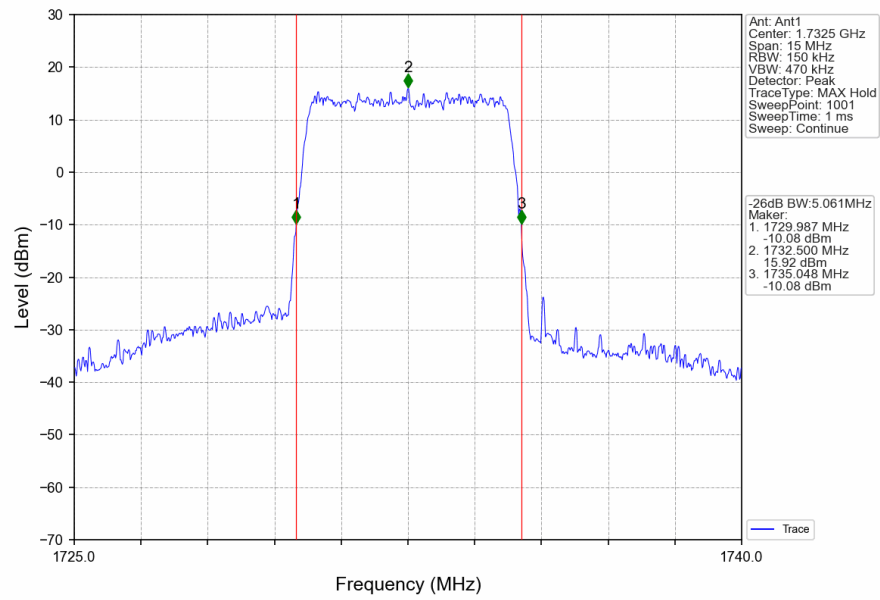
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



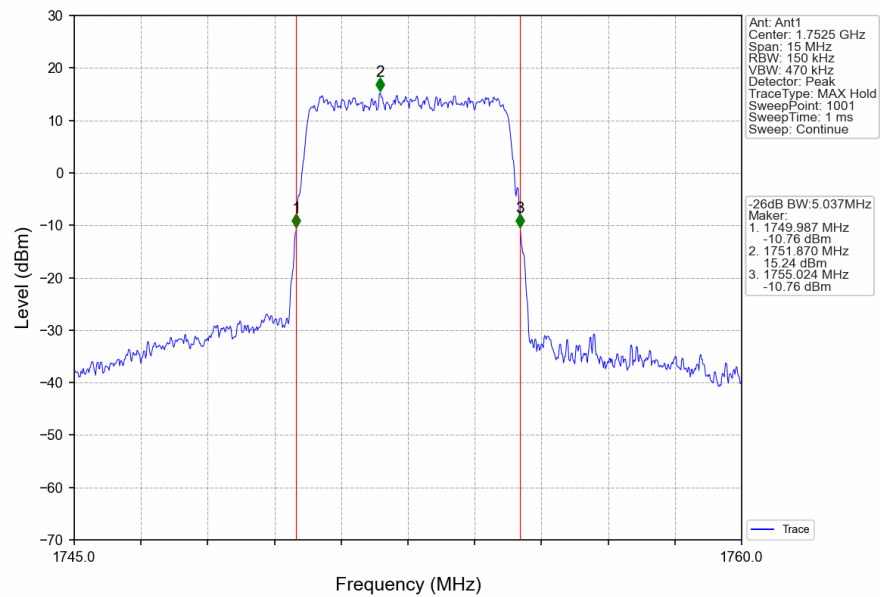
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



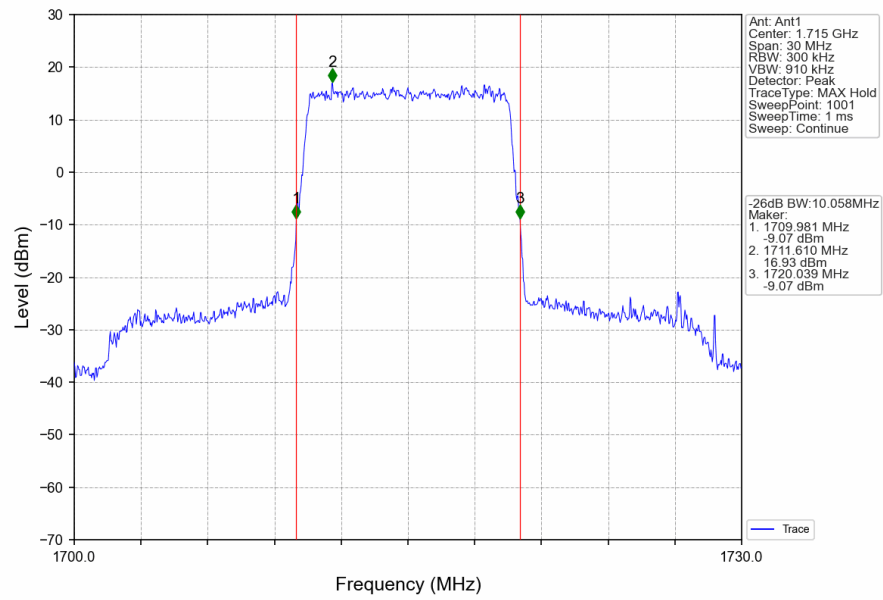
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



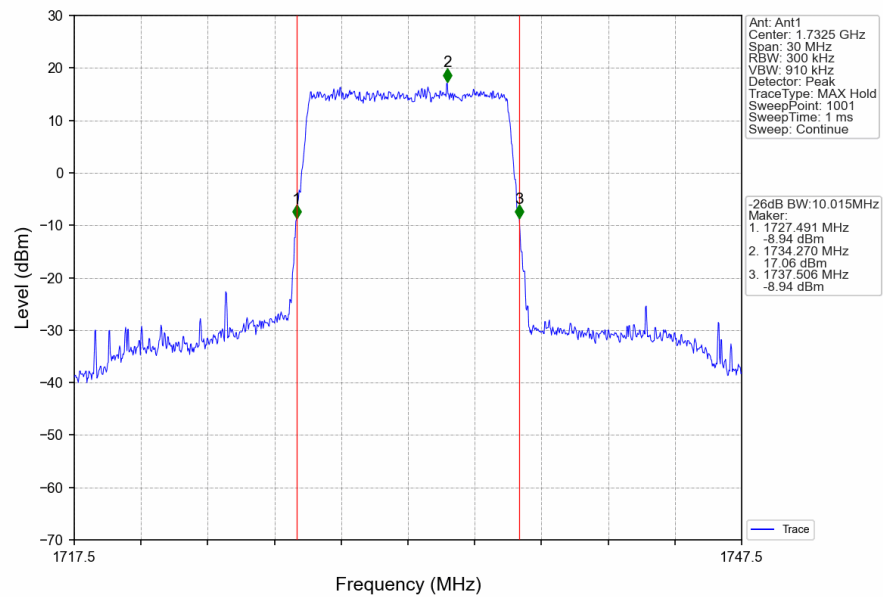
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



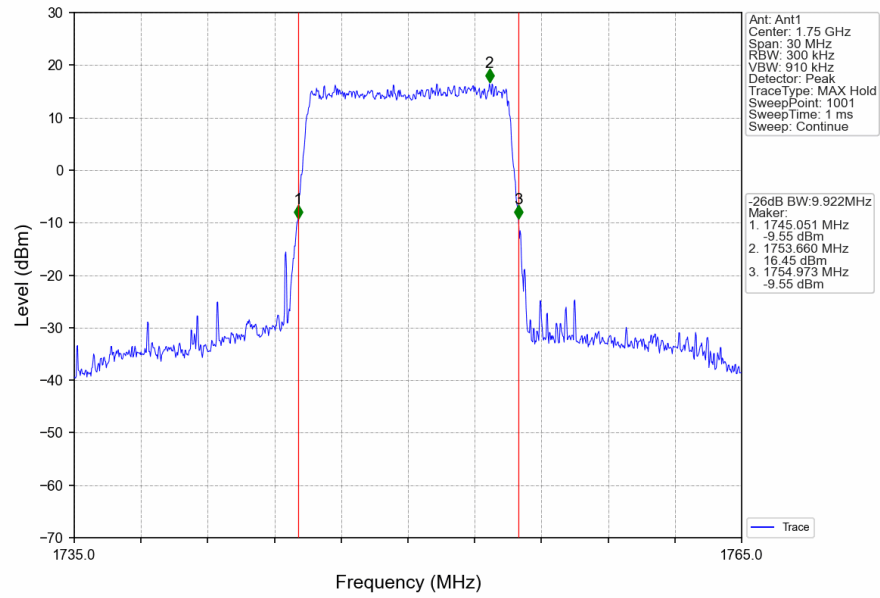
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



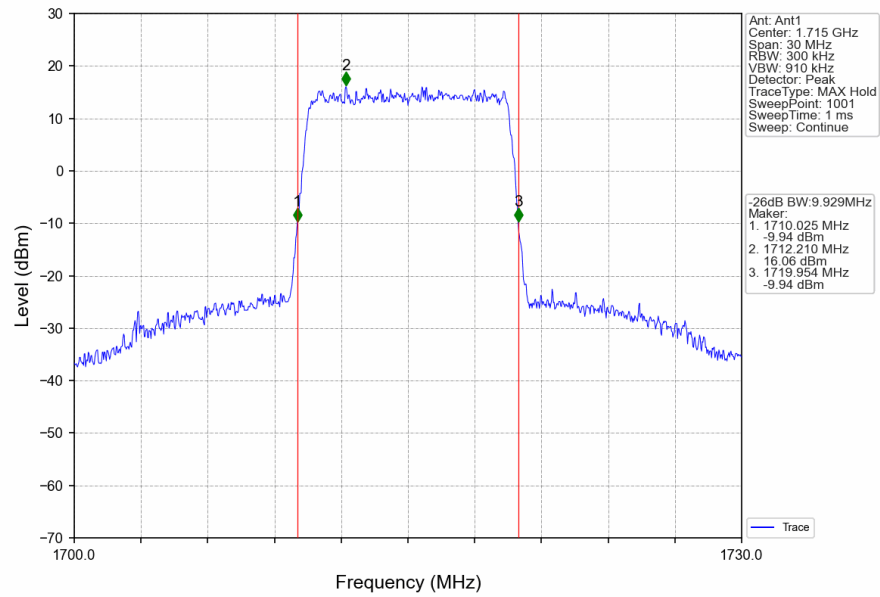
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



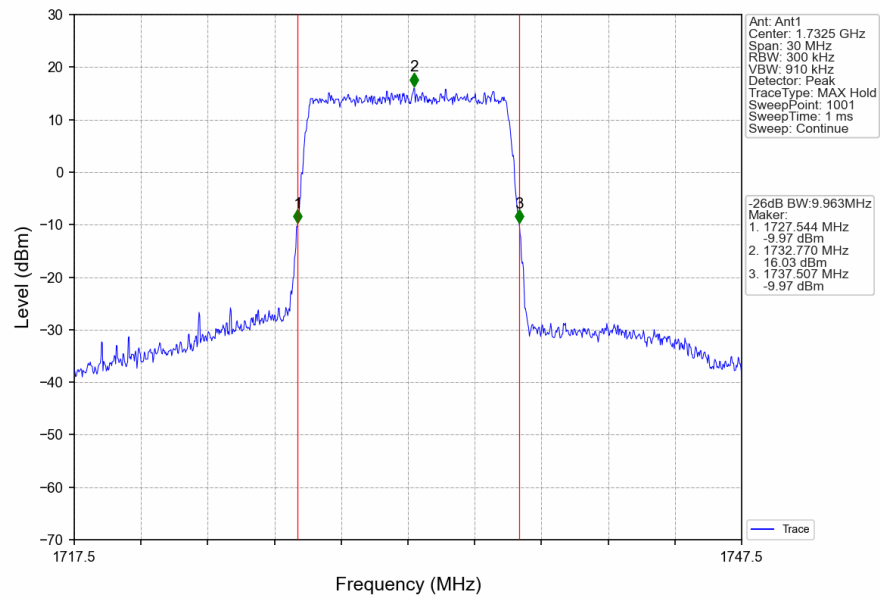
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



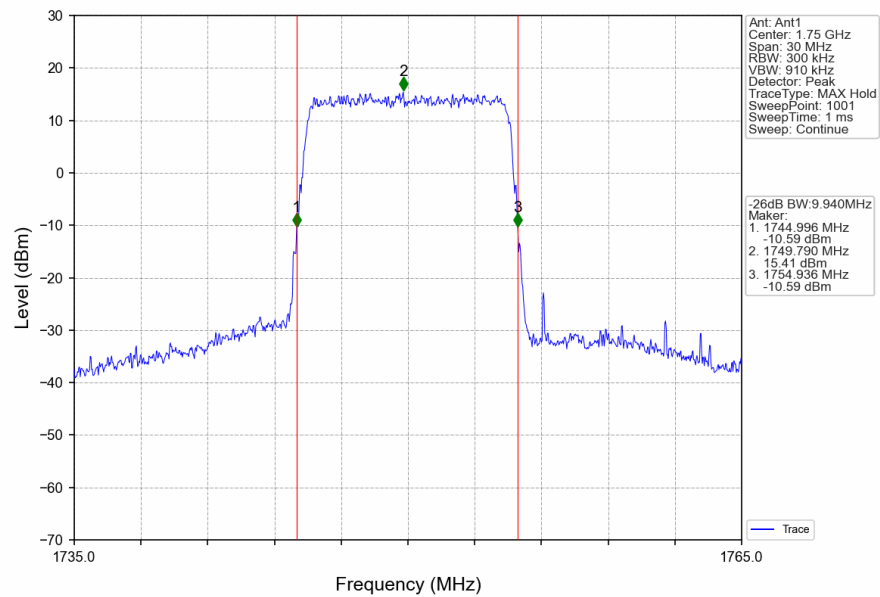
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



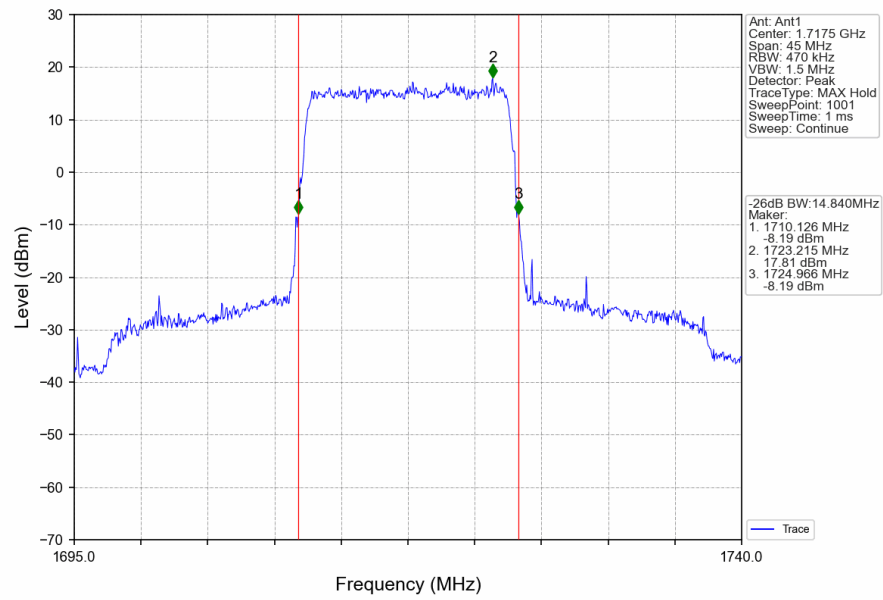
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



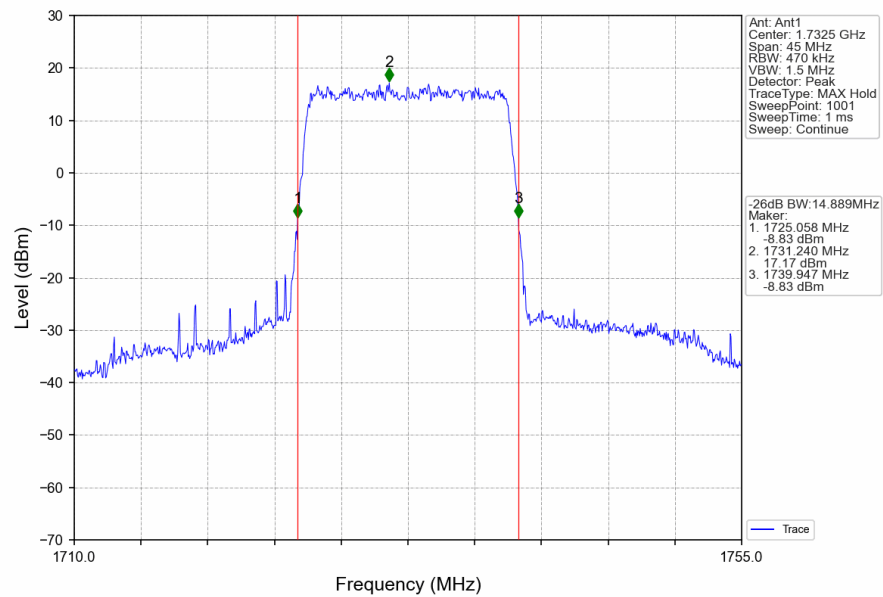
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



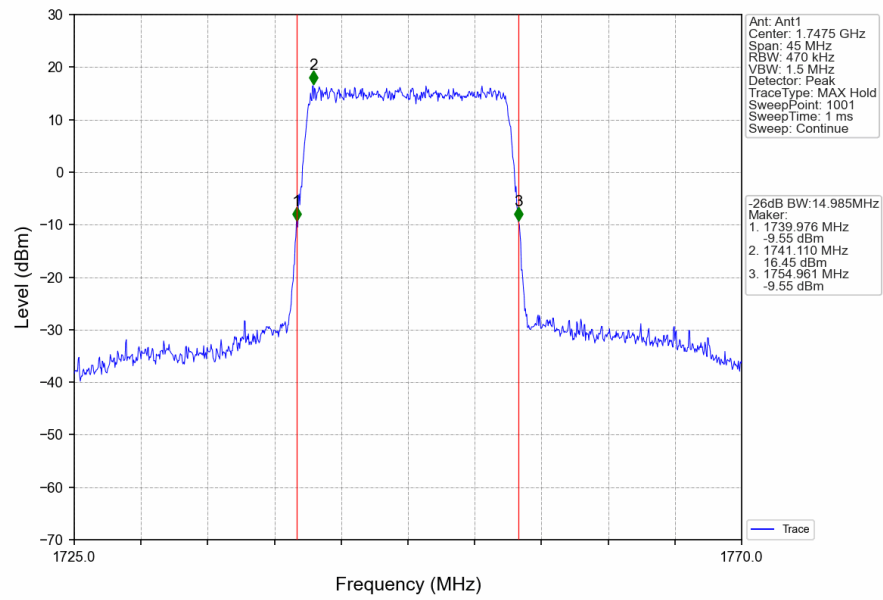
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



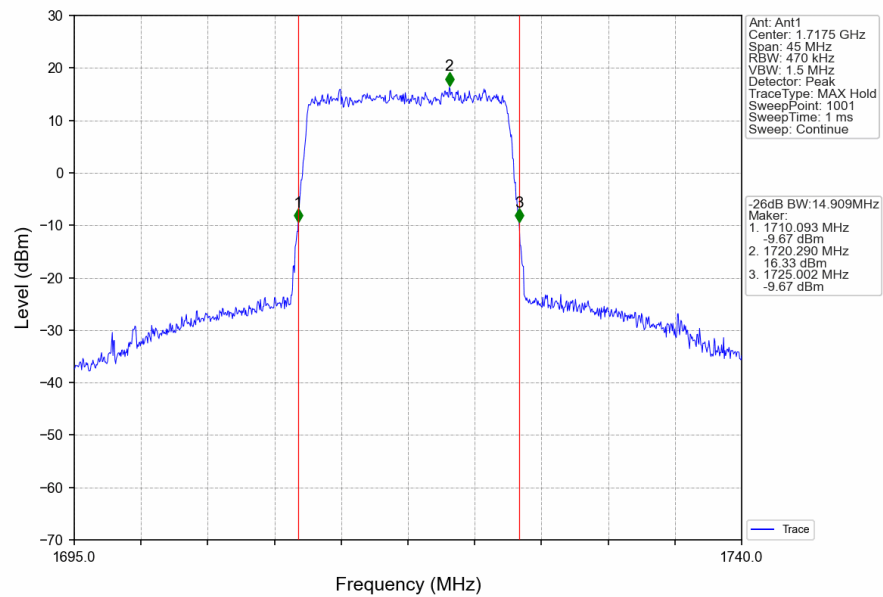
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



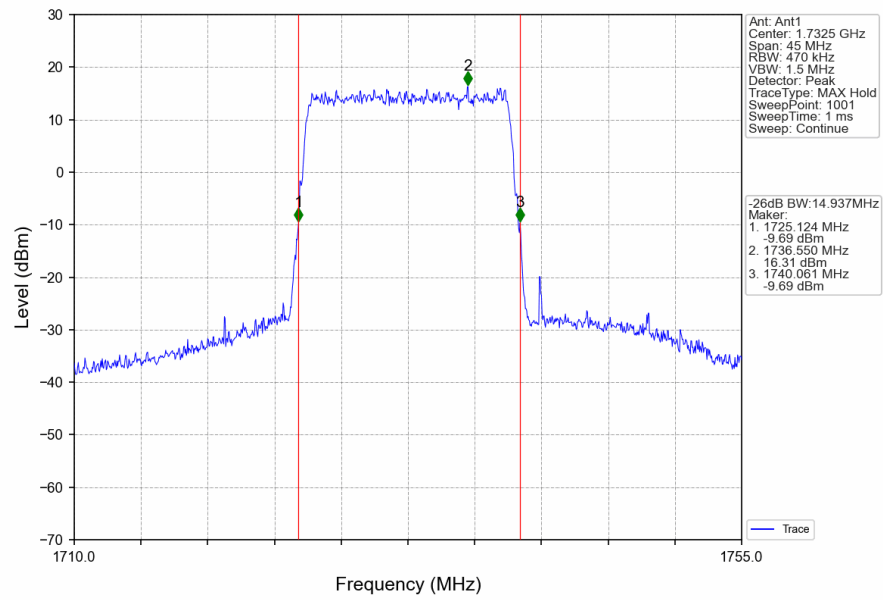
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



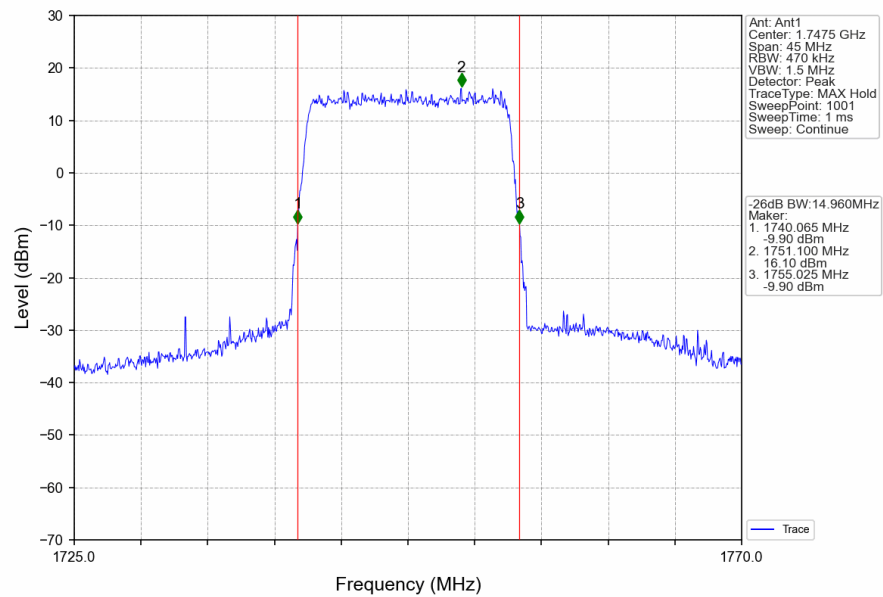
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



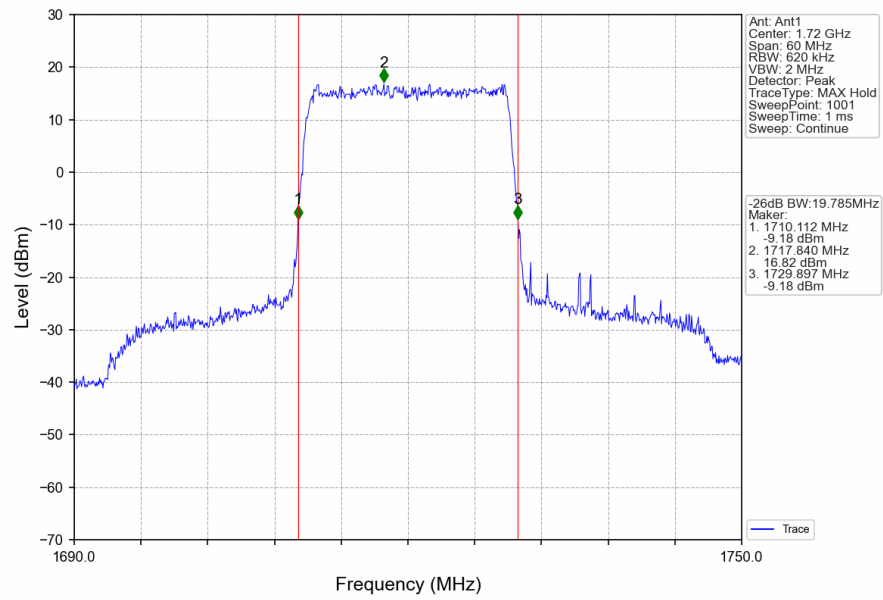
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



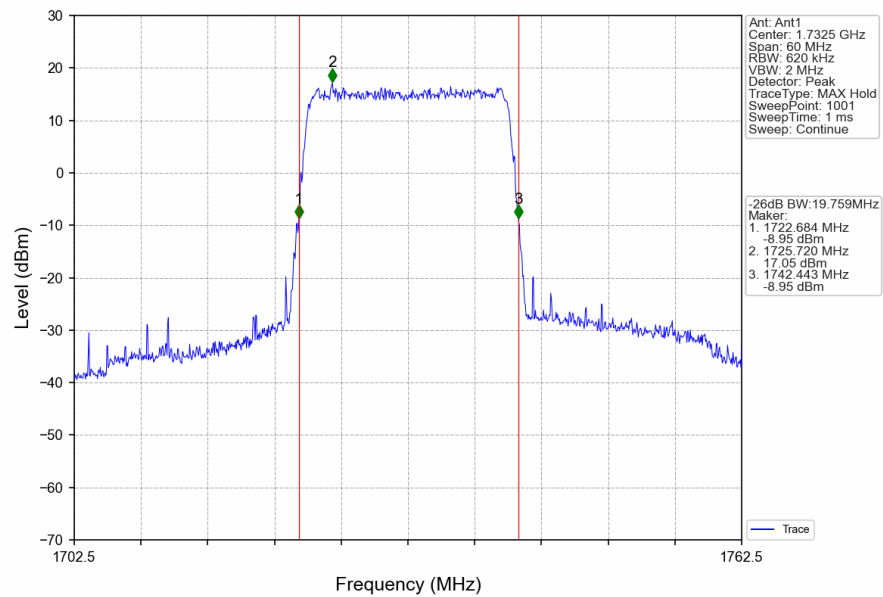
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



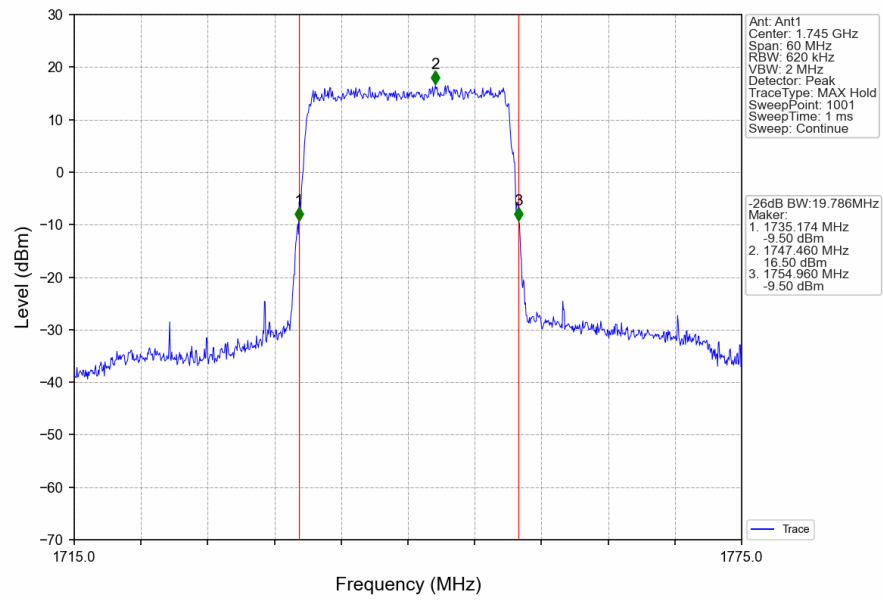
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



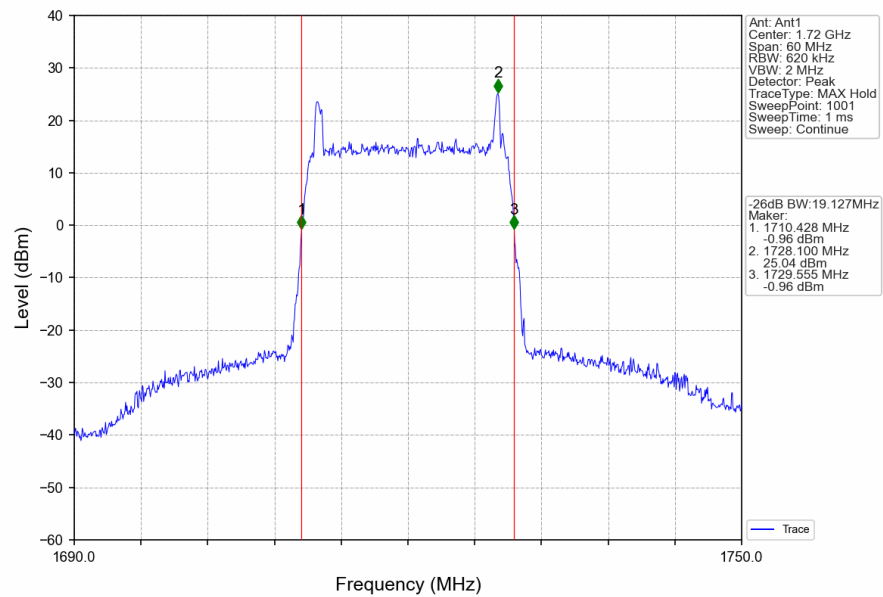
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



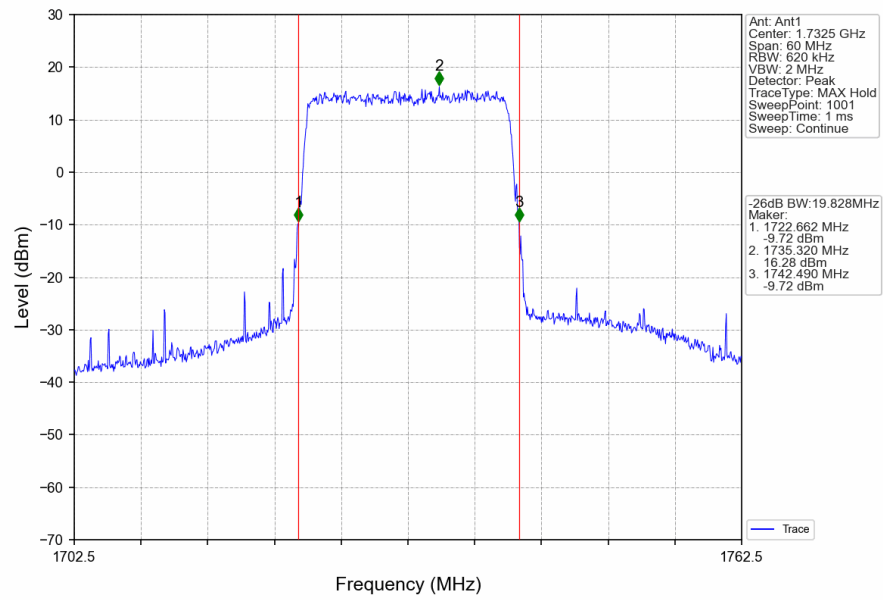
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



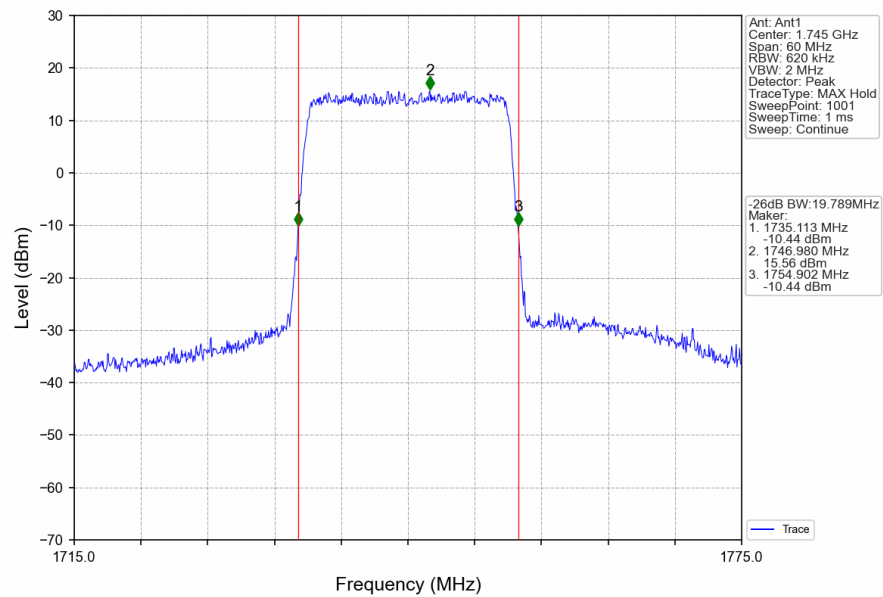
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



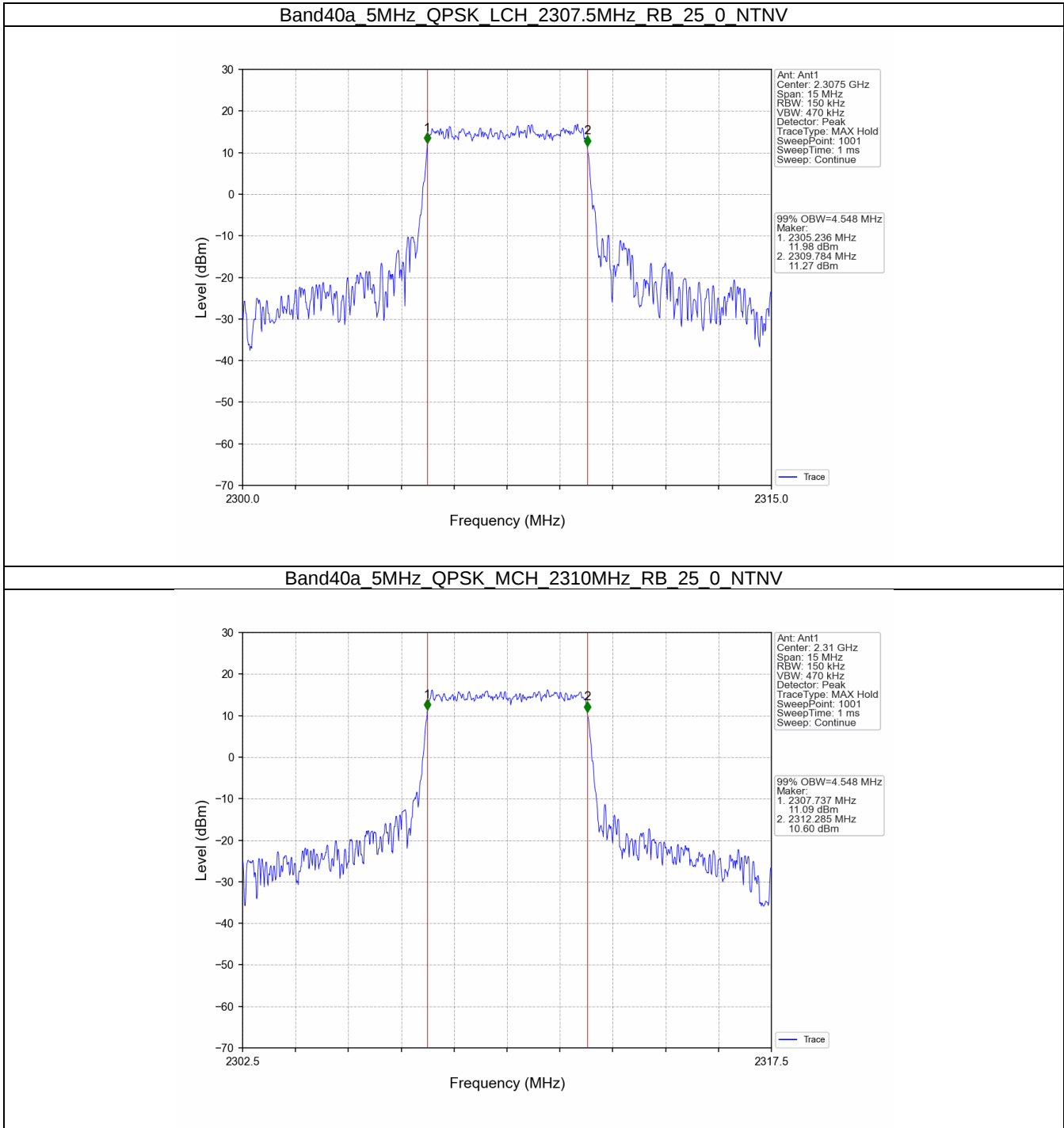
10. 99% & 26dB Bandwidth

10.1 Band40a_OBW

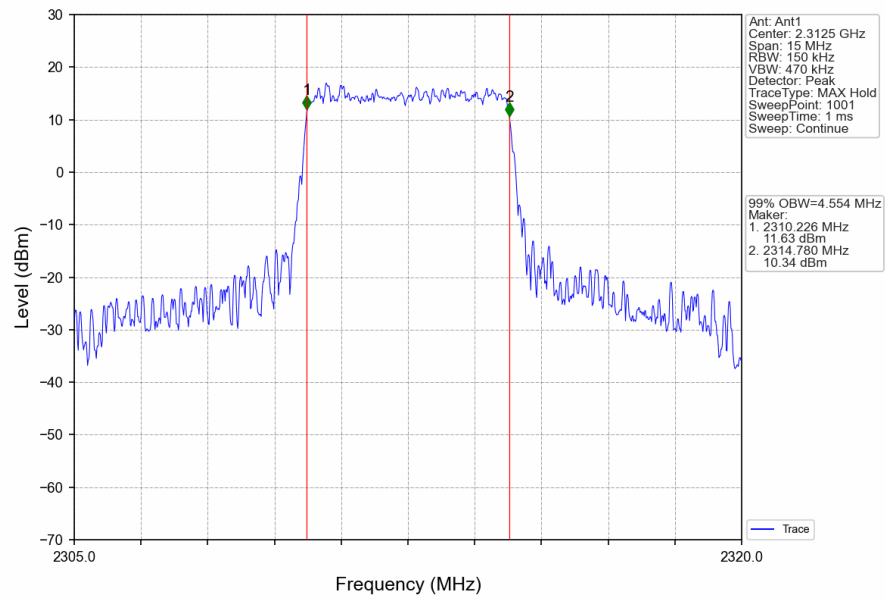
10.1.1 Test Result

Band: 40a / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.548	Pass
		2310	25	0	4.548	Pass
		2312.5	25	0	4.554	Pass
	16QAM	2307.5	25	0	4.571	Pass
		2310	25	0	4.551	Pass
		2312.5	25	0	4.573	Pass
10	QPSK	2310	50	0	9.079	Pass
		2310	50	0	9.066	Pass
		2310	50	0	9.066	Pass
	16QAM	2310	50	0	9.067	Pass
		2310	50	0	9.086	Pass
		2310	50	0	9.111	Pass

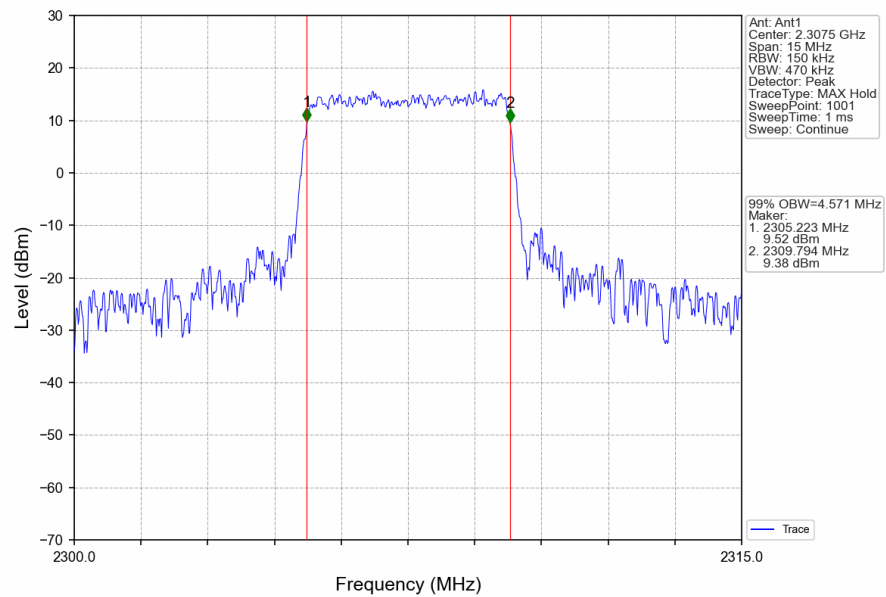
10.1.2 Test Graph



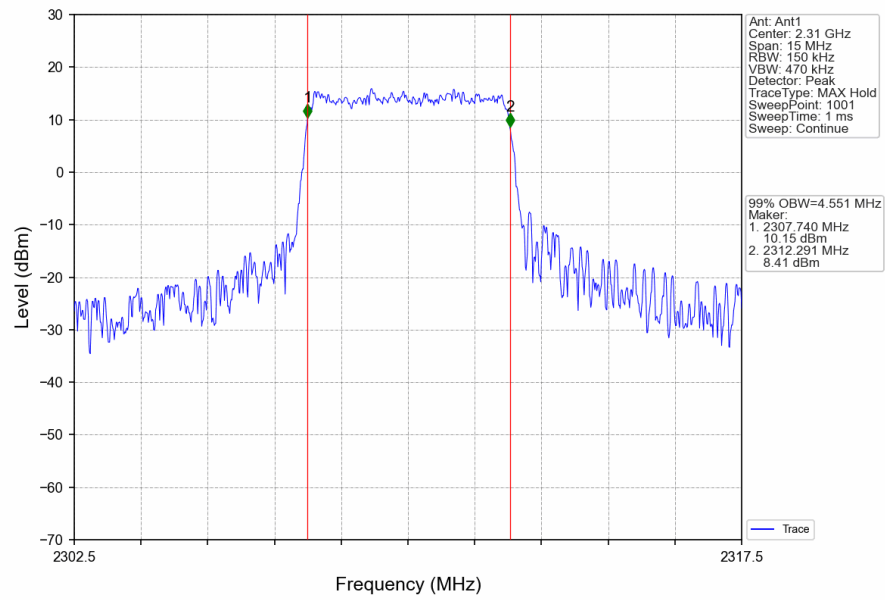
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



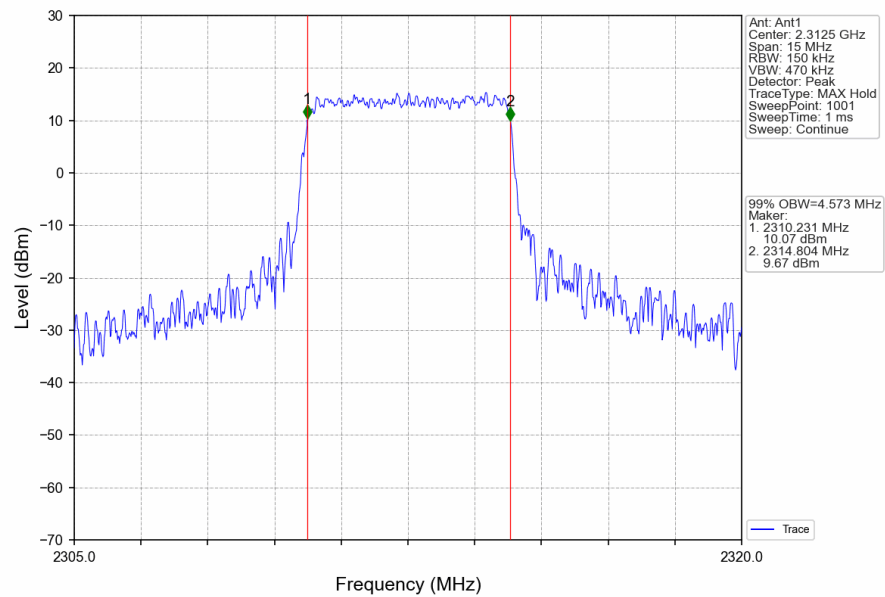
Band40a_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV



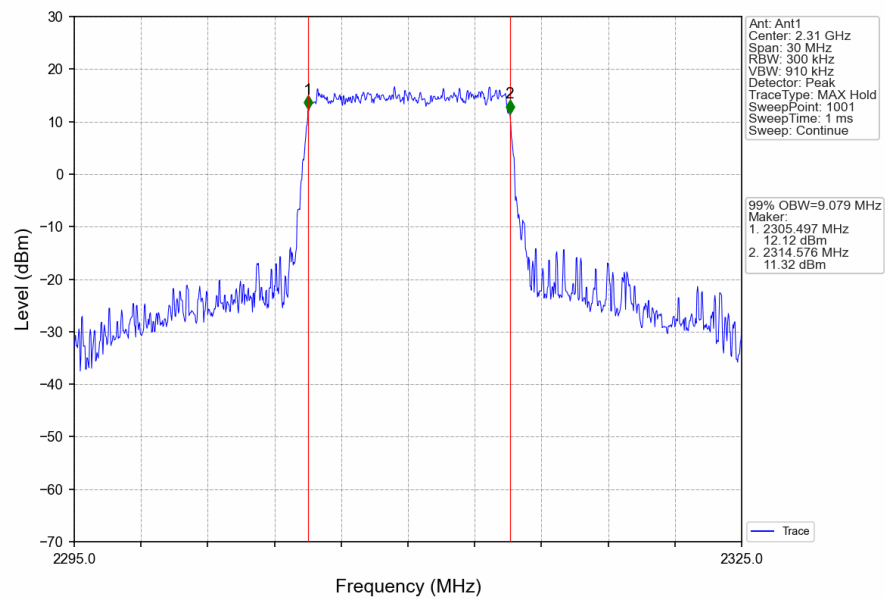
Band40a_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



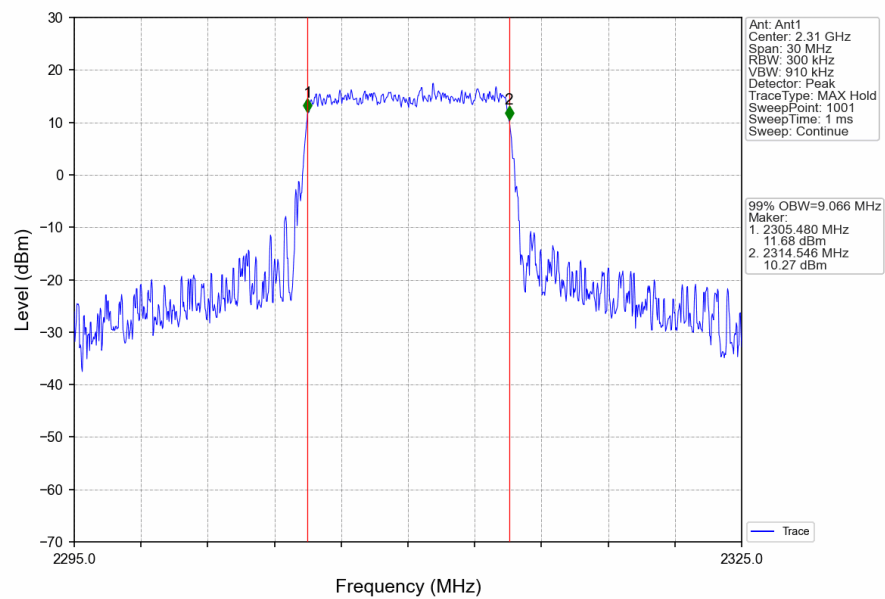
Band40a_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



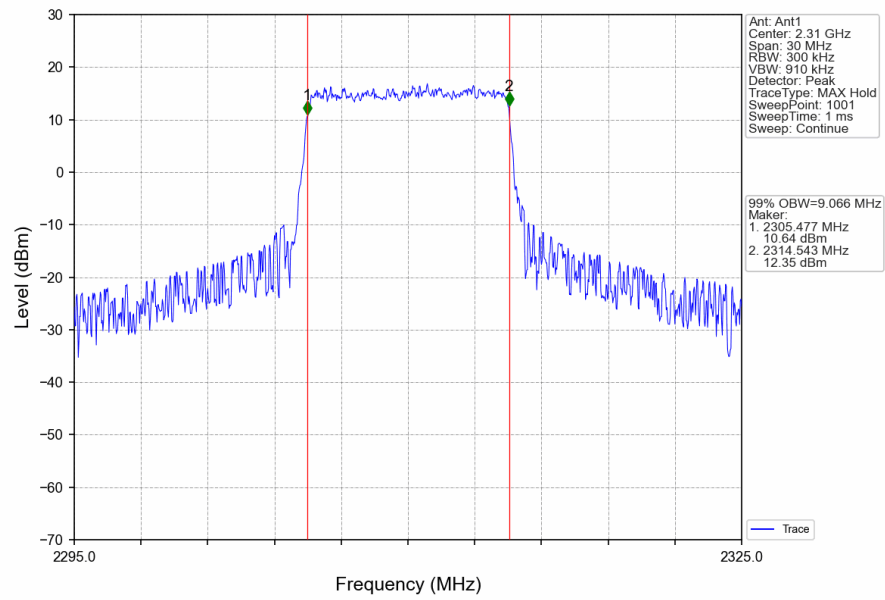
Band40a_10MHz_QPSK_LCH_2310MHz_RB_50_0_NTNV



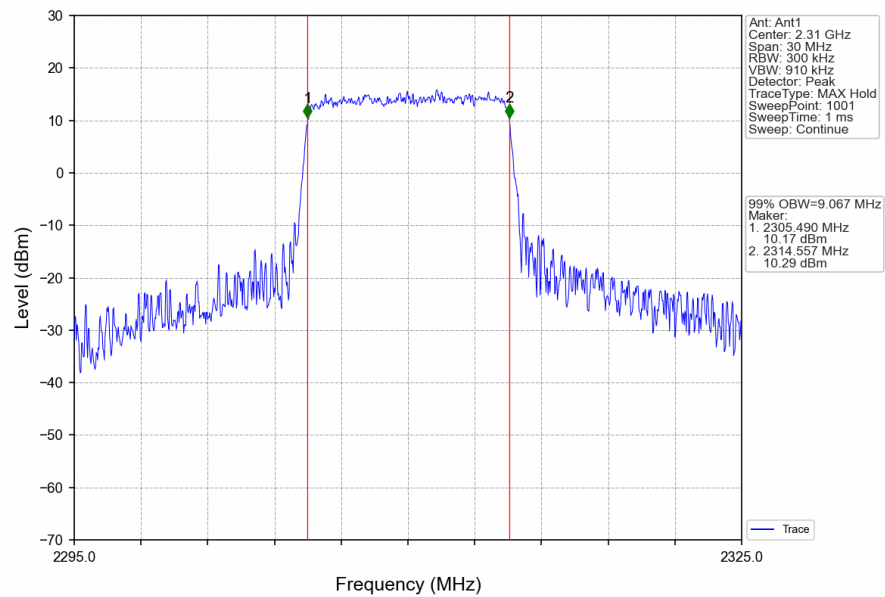
Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



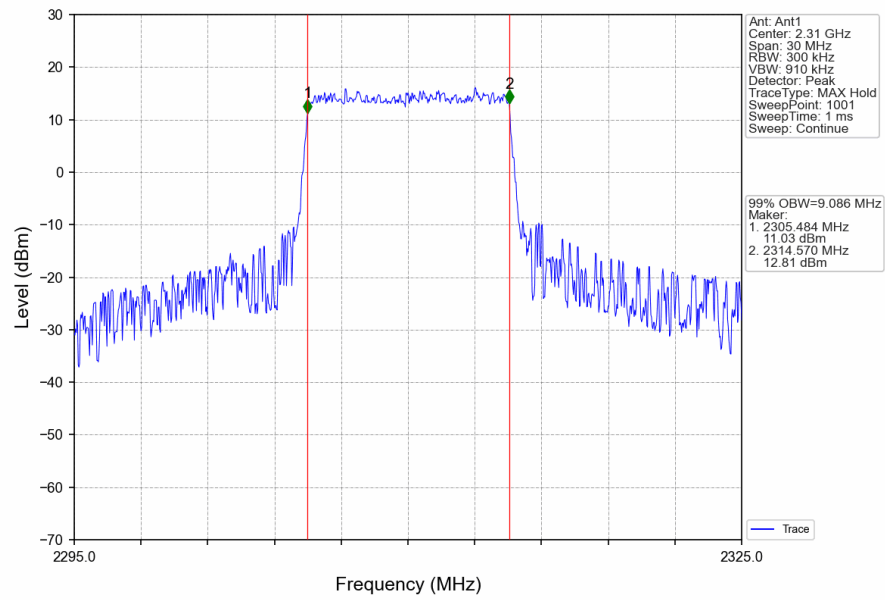
Band40a_10MHz_QPSK_HCH_2310MHz_RB_50_0_NTNV



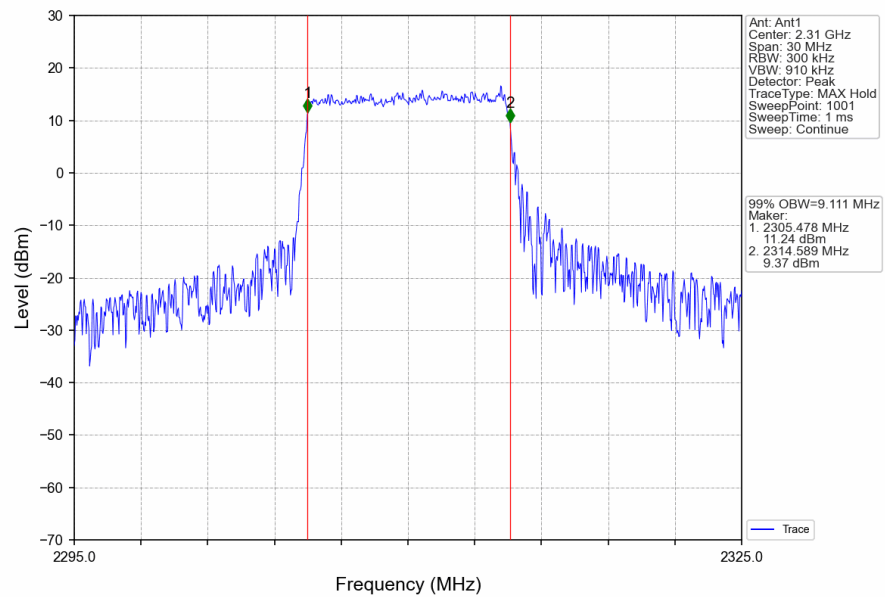
Band40a_10MHz_16QAM_LCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_HCH_2310MHz_RB_50_0_NTNV

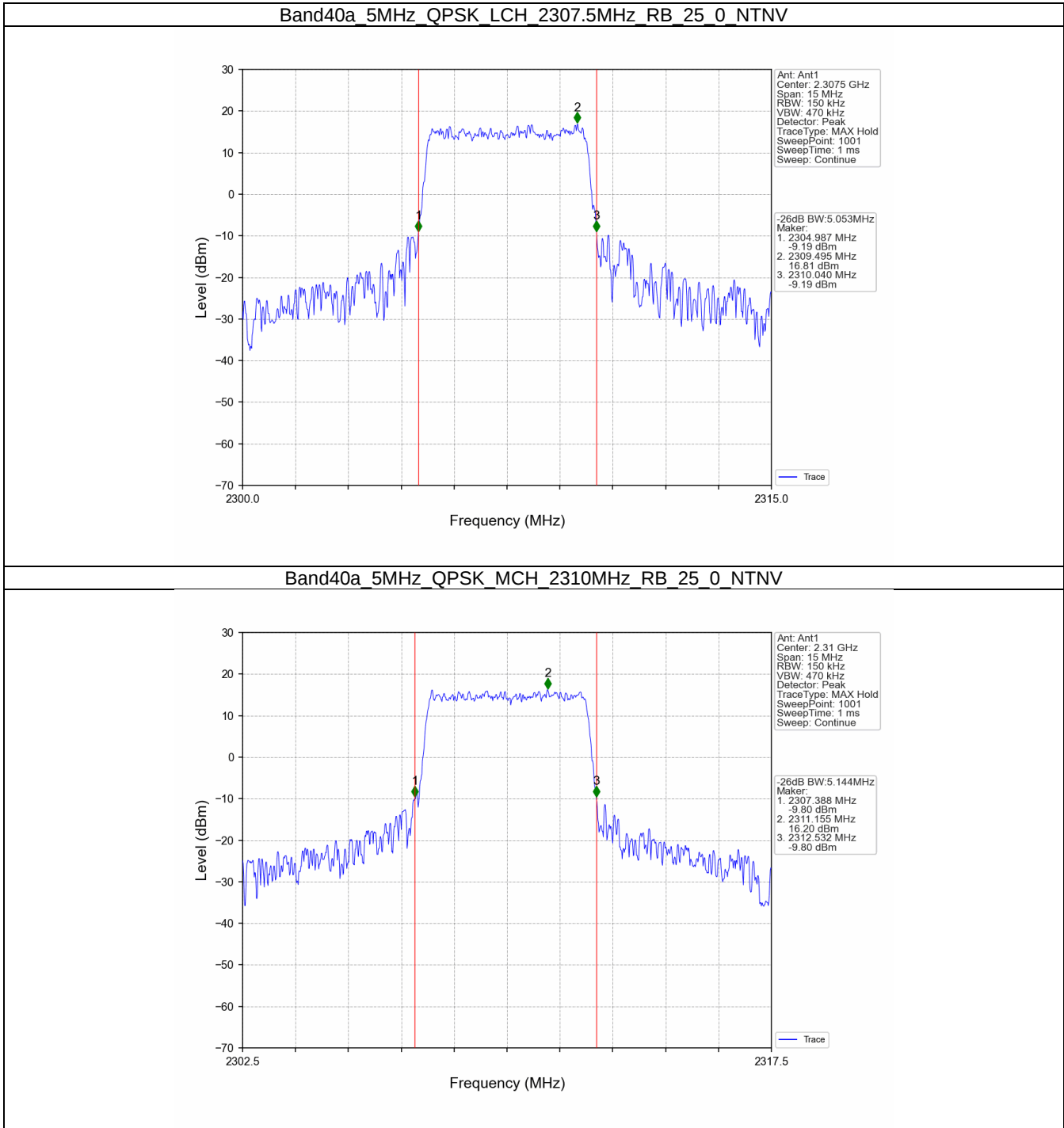


10.2 Band40a_XDB

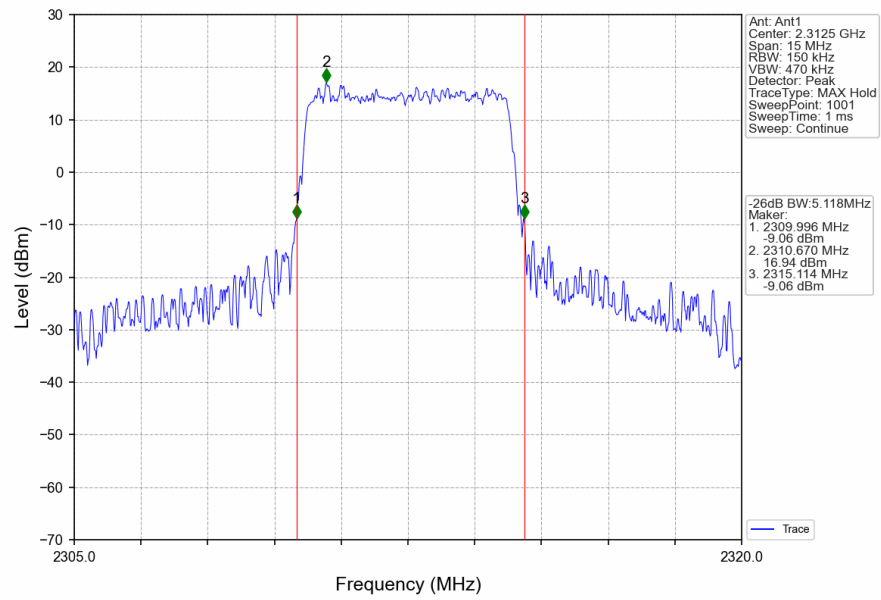
10.2.1 Test Result

Band: 40a / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	5.053	Pass
		2310	25	0	5.144	Pass
		2312.5	25	0	5.118	Pass
	16QAM	2307.5	25	0	5.064	Pass
		2310	25	0	5.273	Pass
		2312.5	25	0	5.387	Pass
10	QPSK	2310	50	0	10.217	Pass
		2310	50	0	10.510	Pass
		2310	50	0	10.204	Pass
	16QAM	2310	50	0	10.319	Pass
		2310	50	0	10.836	Pass
		2310	50	0	11.350	Pass

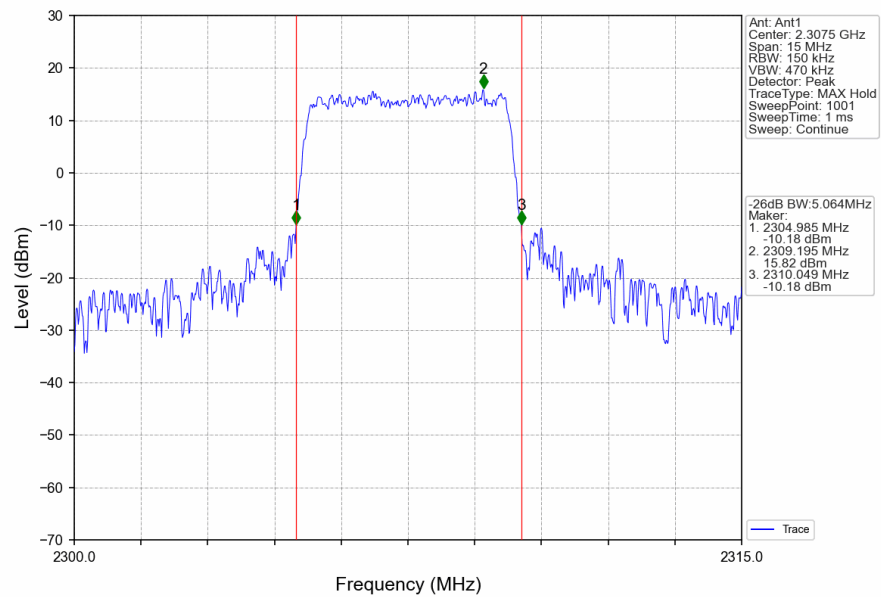
10.2.2 Test Graph



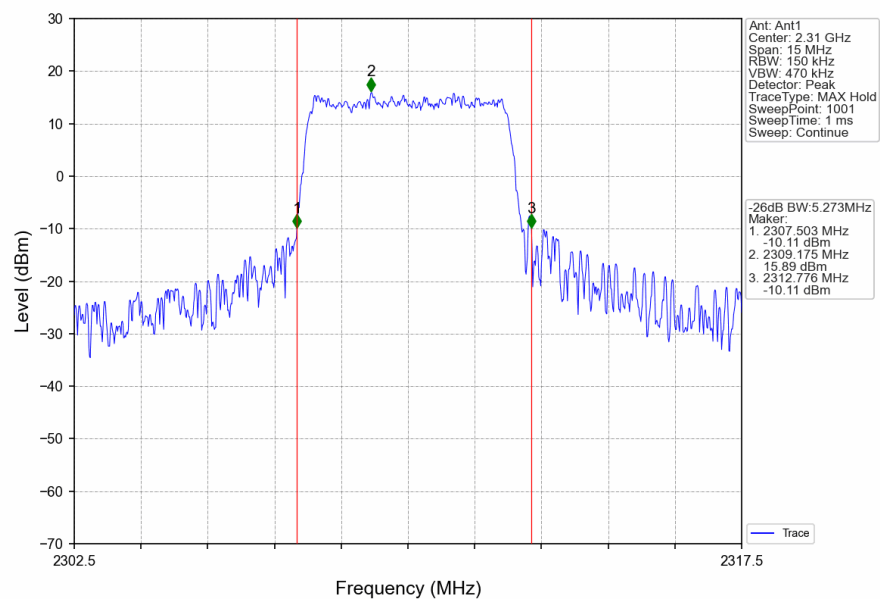
Band40a_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



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

