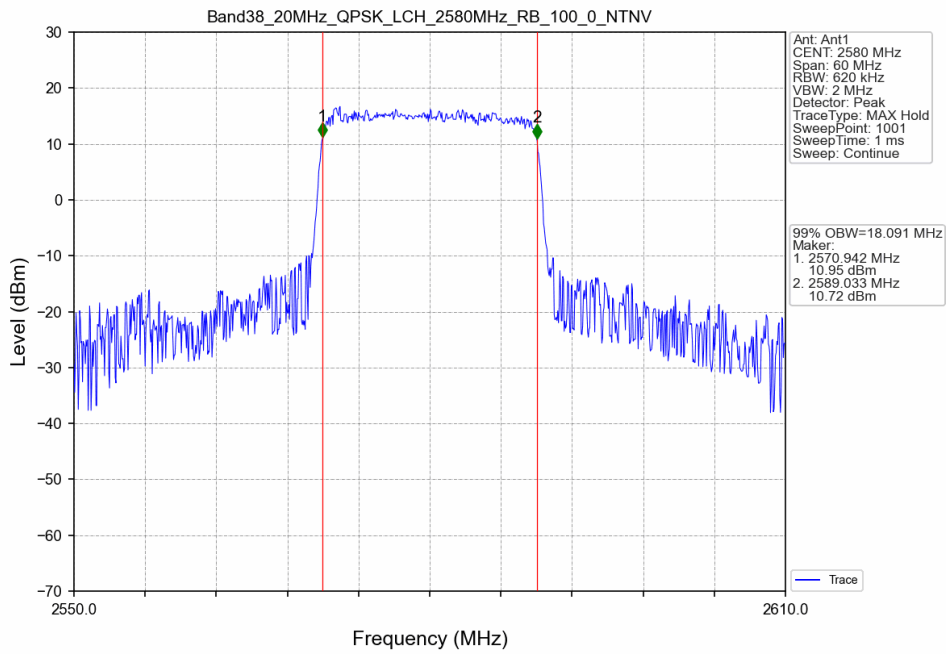
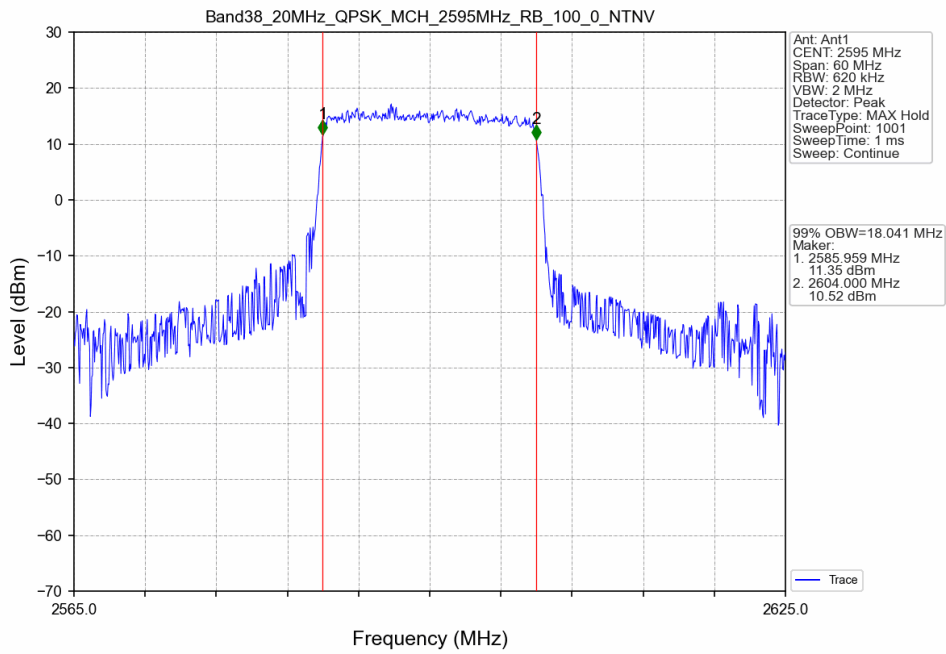


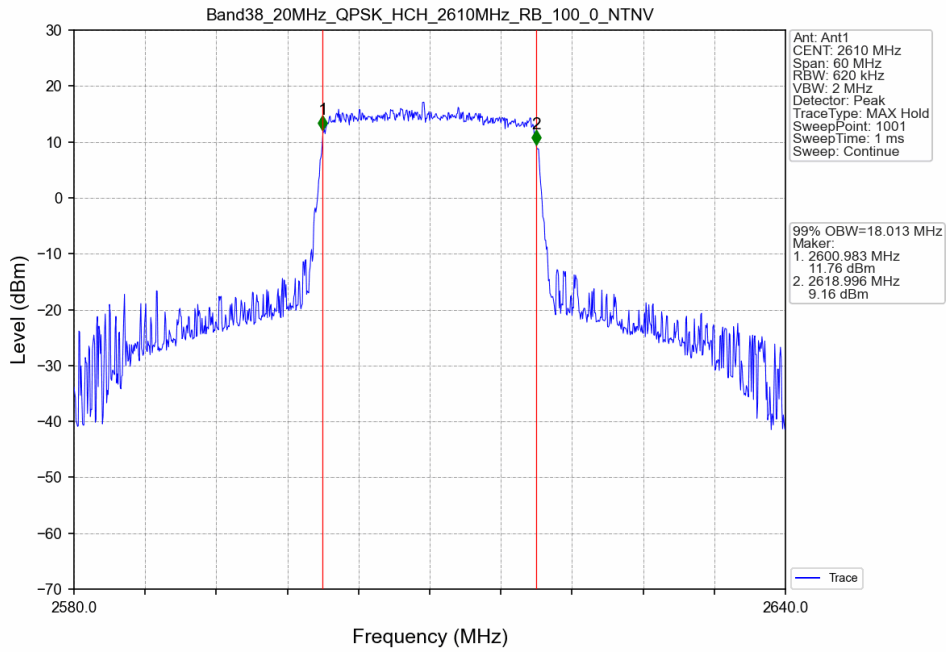
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



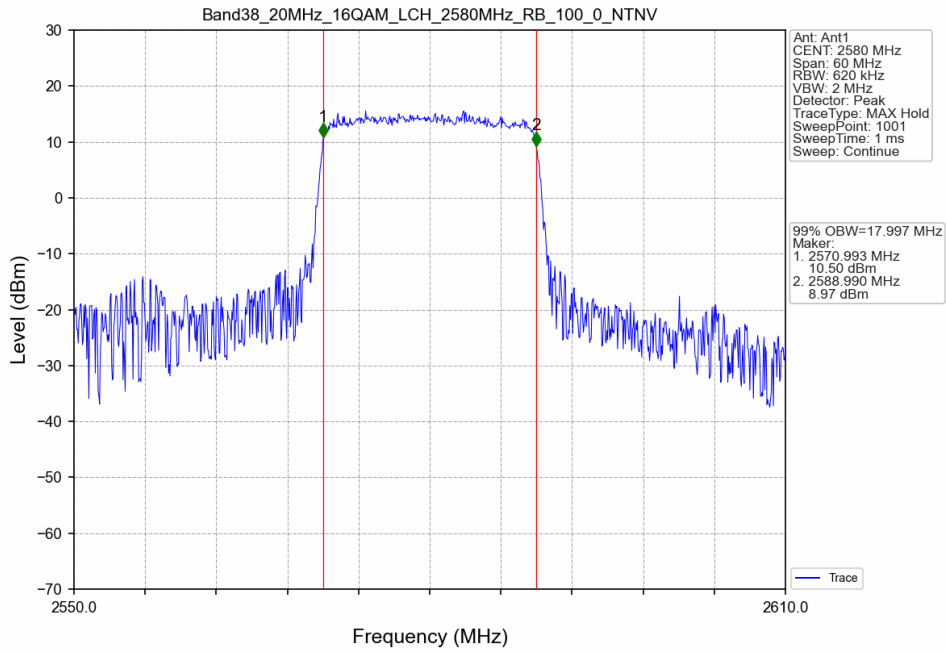
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



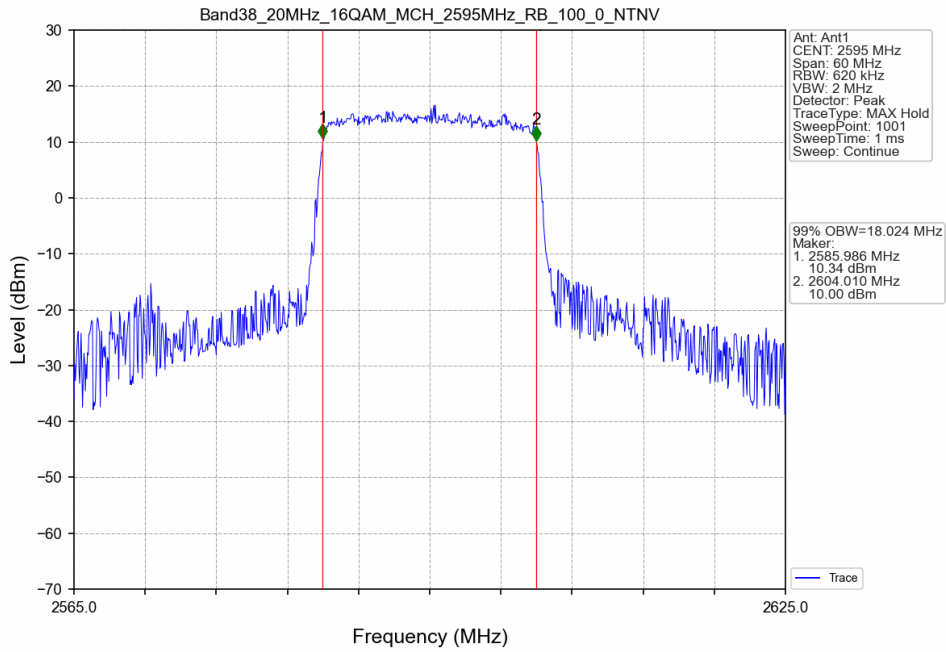
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



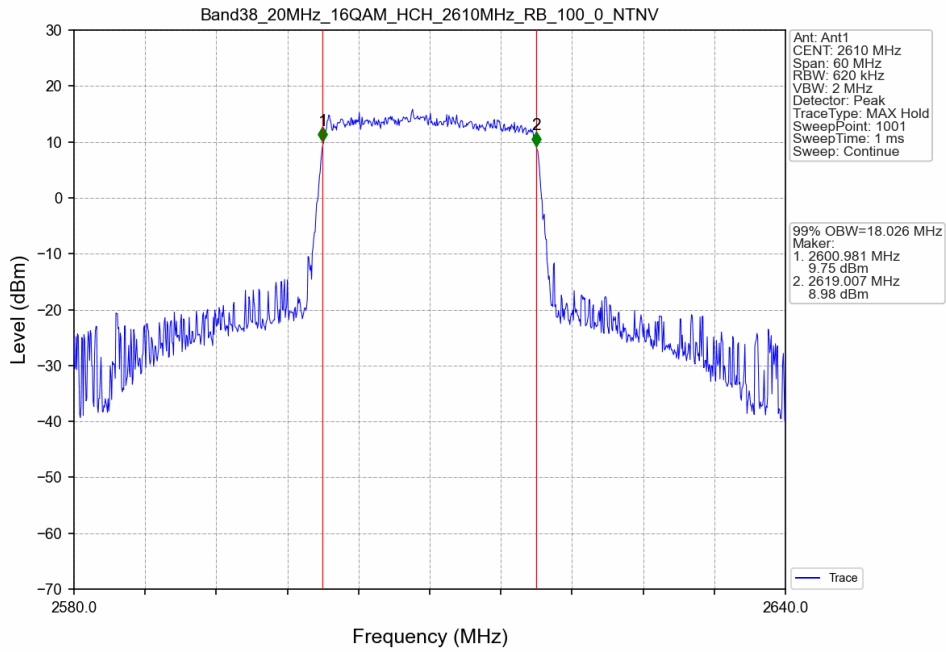
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV

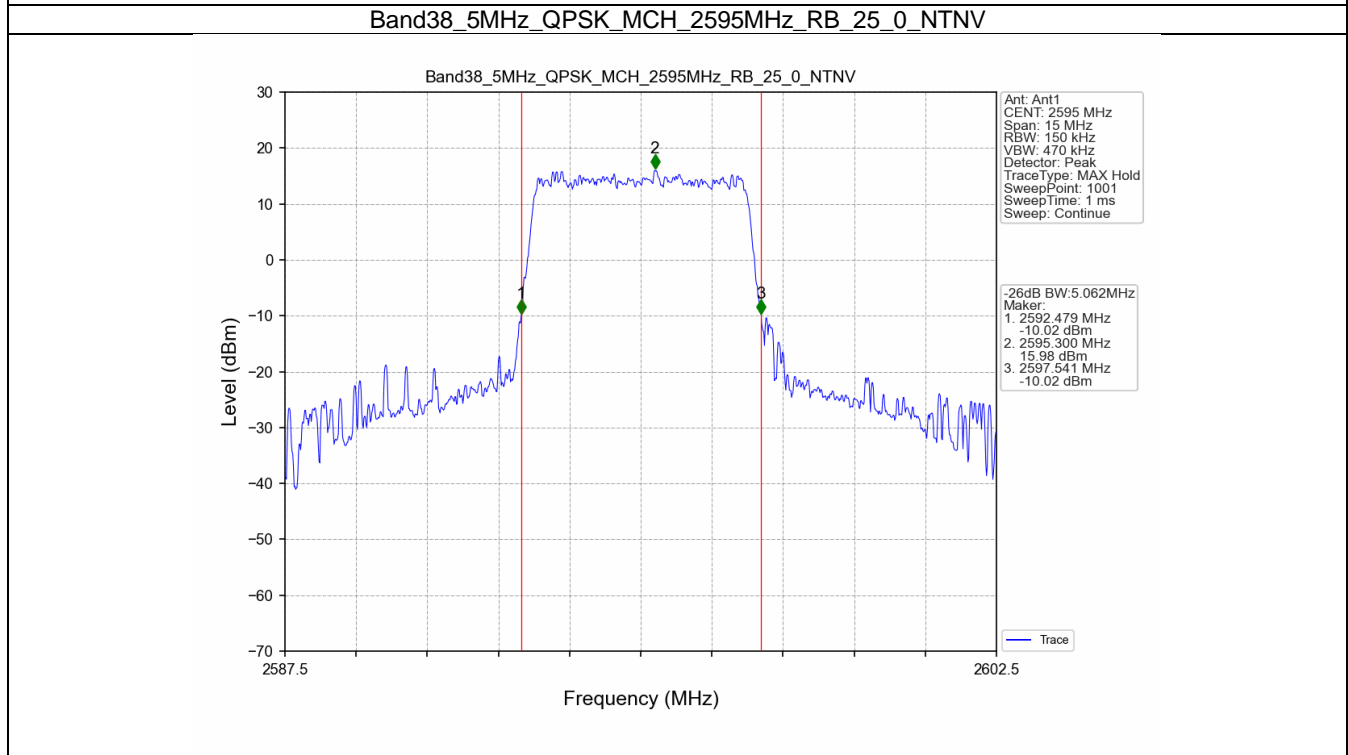
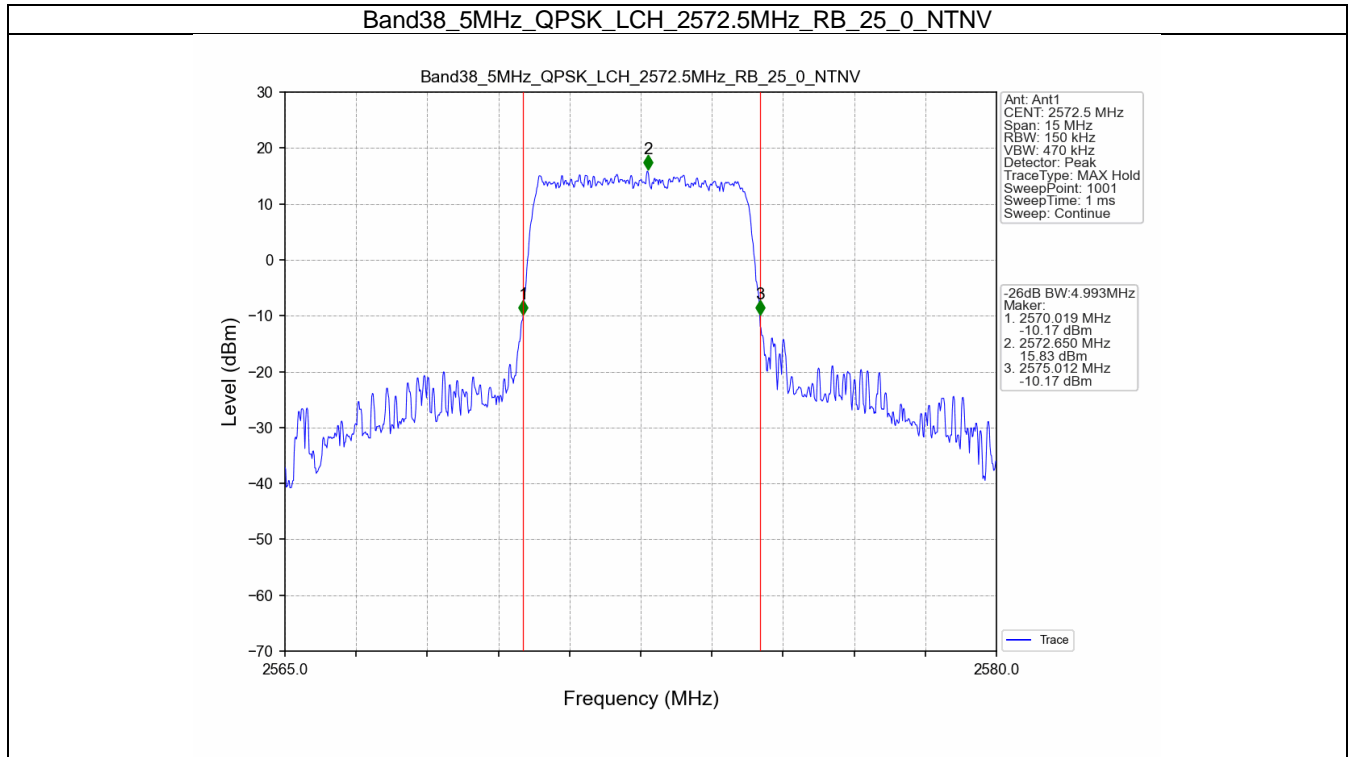


2.2 Band38_XDB

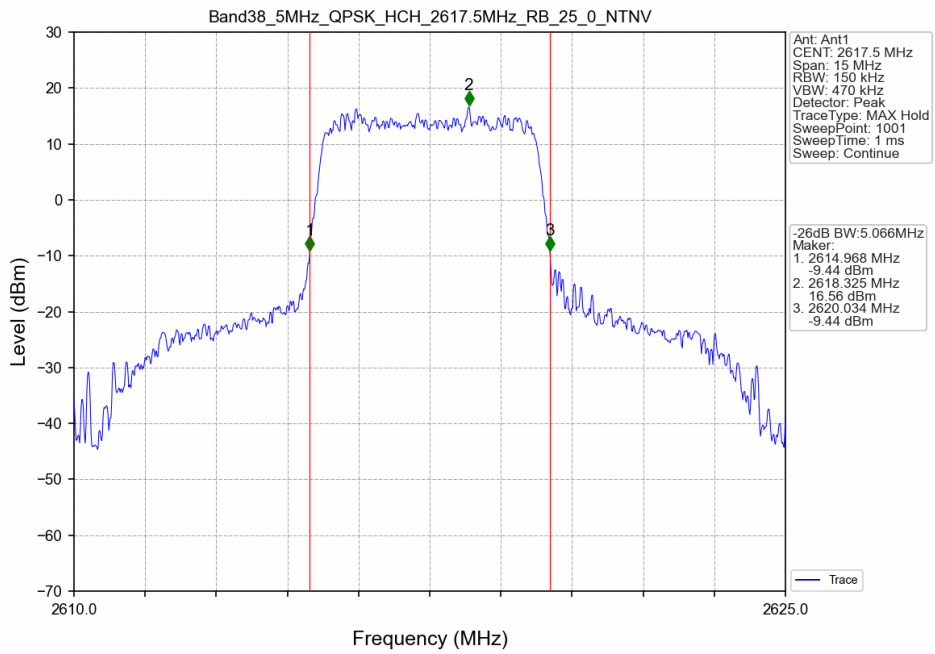
2.2.1 Test Result

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.993	/	Pass
		2595	25	0	5.062	/	Pass
		2617.5	25	0	5.066	/	Pass
	16QAM	2572.5	25	0	5.093	/	Pass
		2595	25	0	5.069	/	Pass
		2617.5	25	0	5.125	/	Pass
10	QPSK	2575	50	0	10.237	/	Pass
		2595	50	0	10.078	/	Pass
		2615	50	0	10.073	/	Pass
	16QAM	2575	50	0	10.022	/	Pass
		2595	50	0	9.916	/	Pass
		2615	50	0	9.971	/	Pass
15	QPSK	2577.5	75	0	15.823	/	Pass
		2595	75	0	14.891	/	Pass
		2612.5	75	0	15.479	/	Pass
	16QAM	2577.5	75	0	16.068	/	Pass
		2595	75	0	15.962	/	Pass
		2612.5	75	0	16.978	/	Pass
20	QPSK	2580	100	0	19.769	/	Pass
		2595	100	0	20.258	/	Pass
		2610	100	0	19.733	/	Pass
	16QAM	2580	100	0	20.497	/	Pass
		2595	100	0	19.763	/	Pass
		2610	100	0	19.795	/	Pass

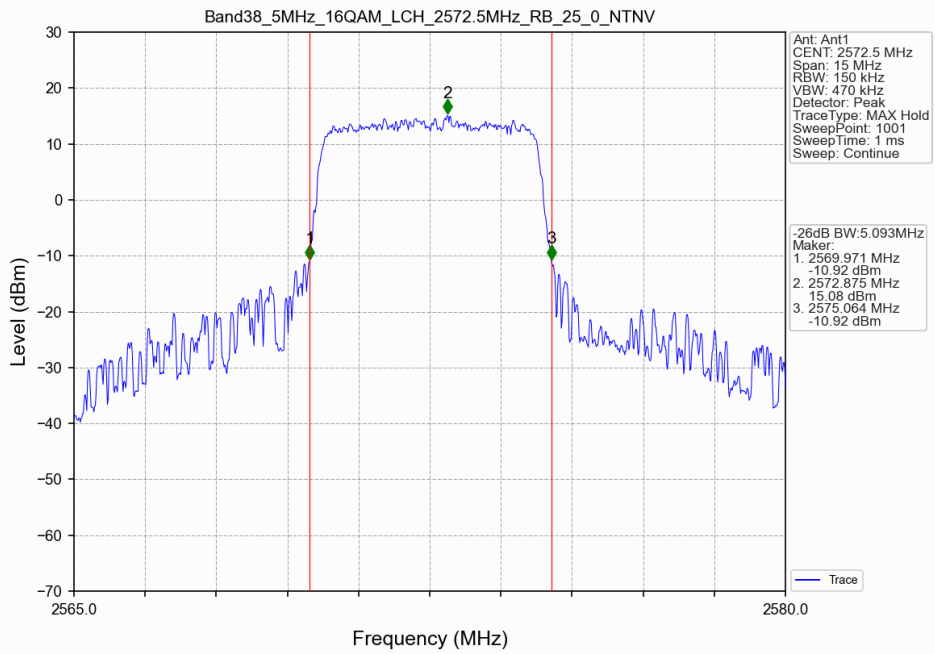
2.2.2 Test Graph



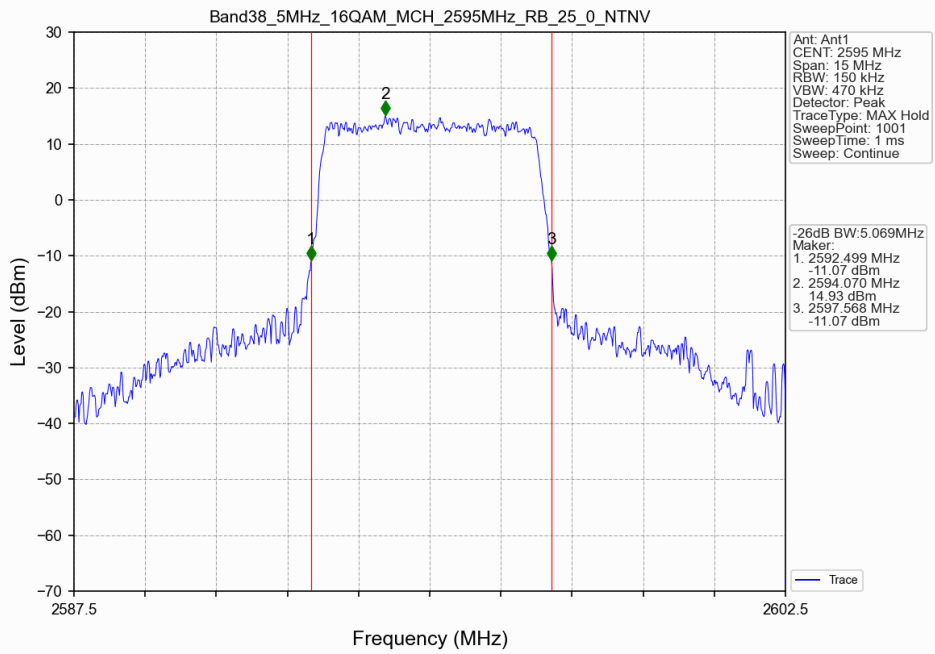
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



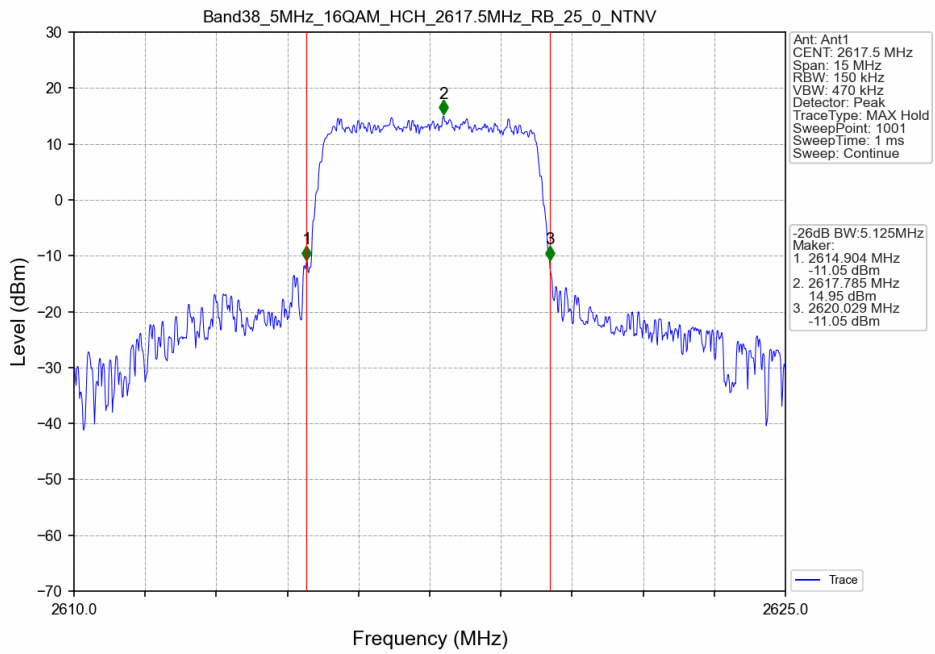
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



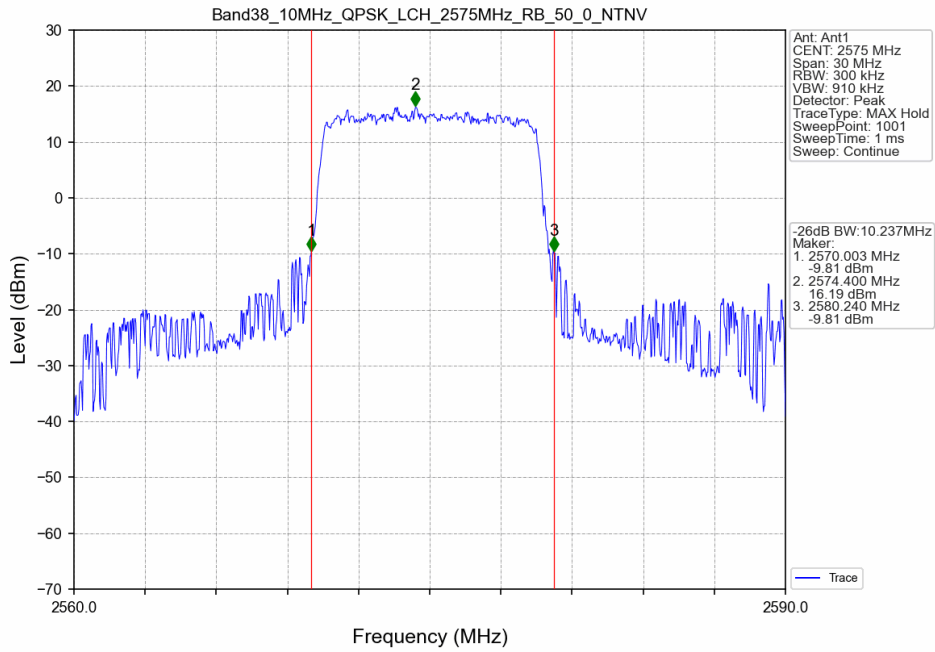
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



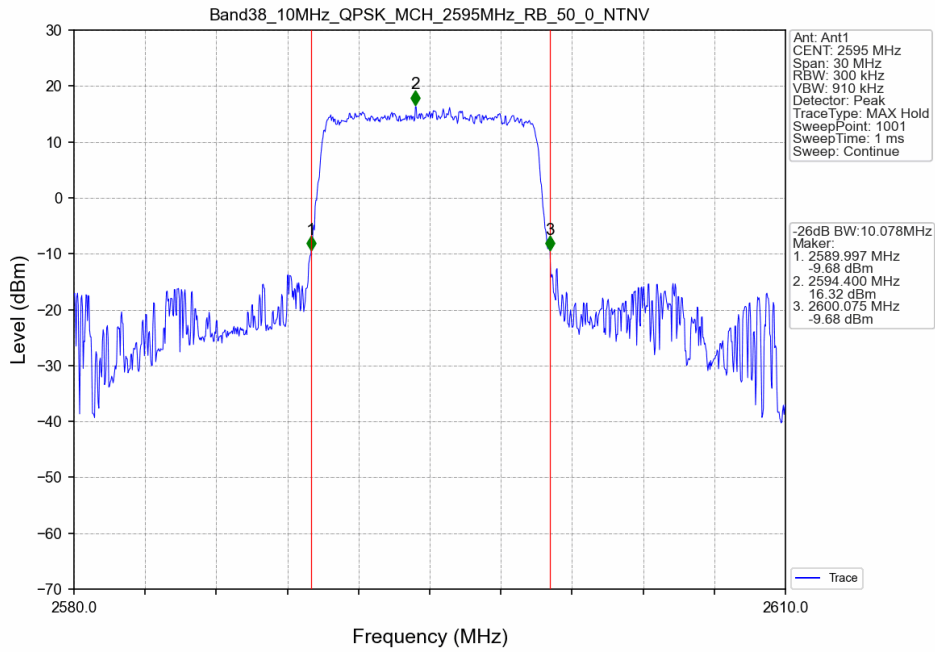
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



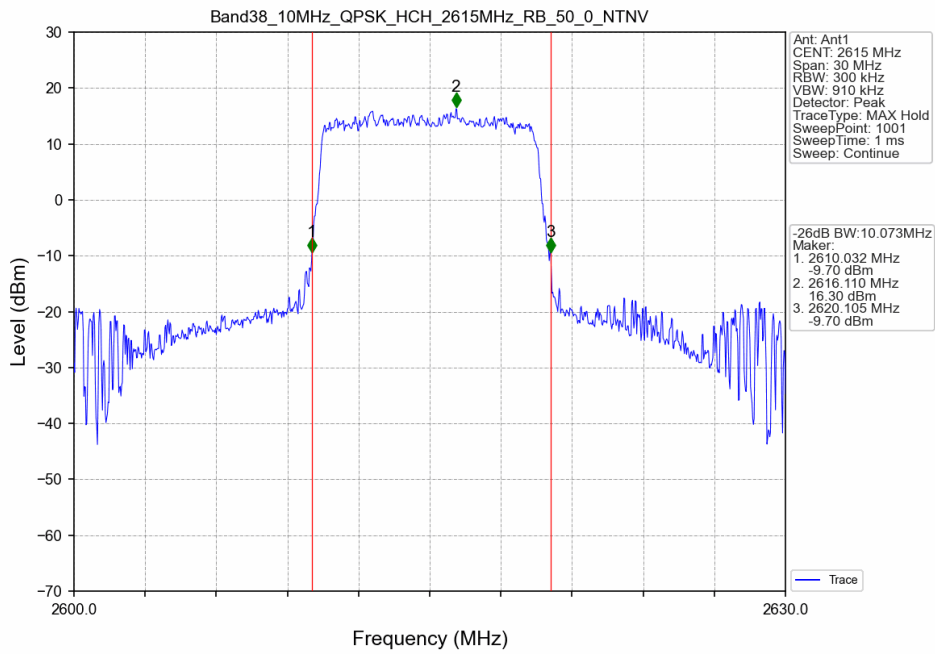
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



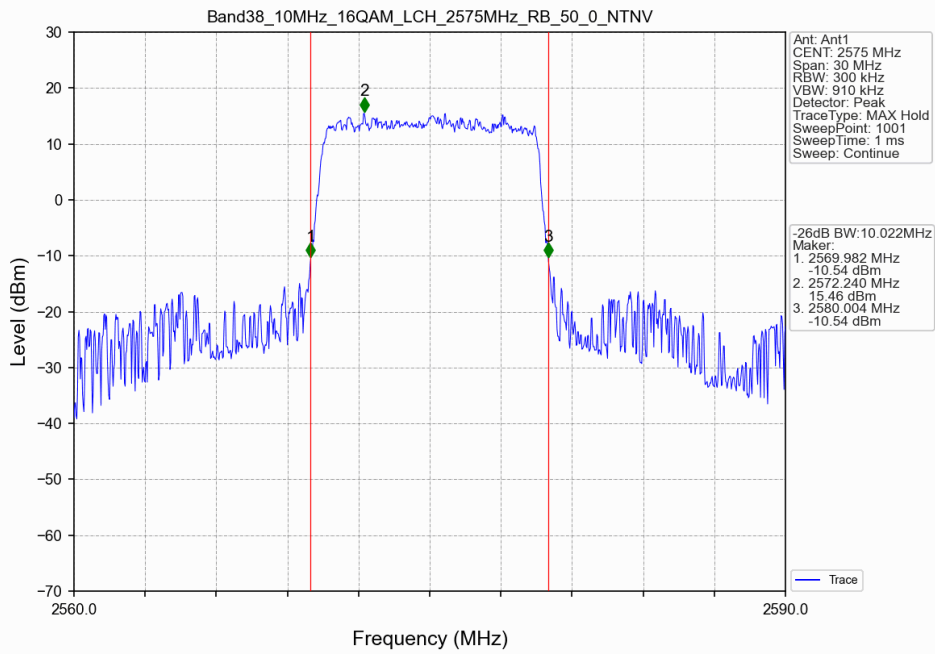
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



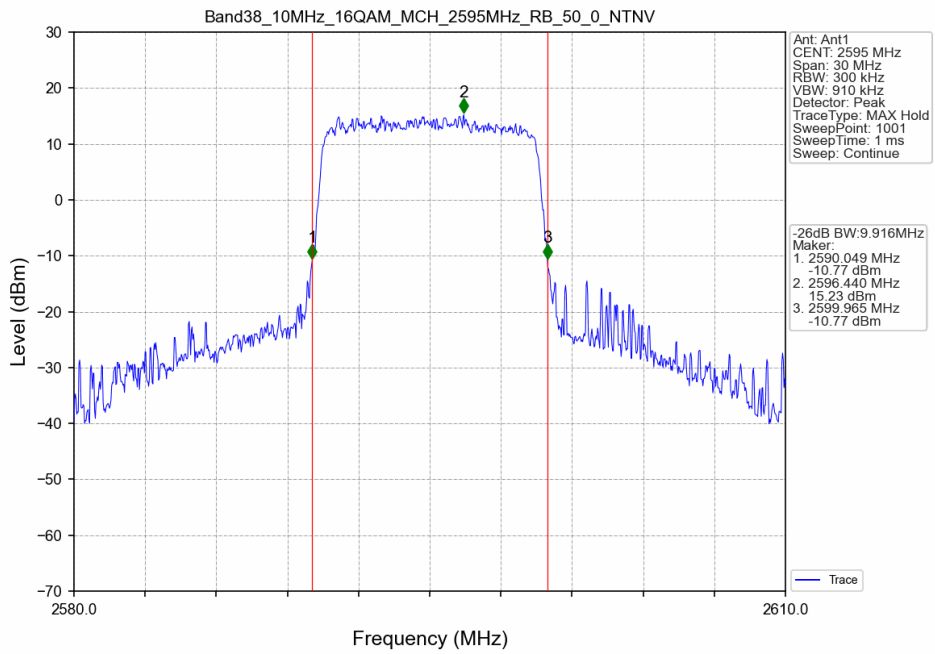
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



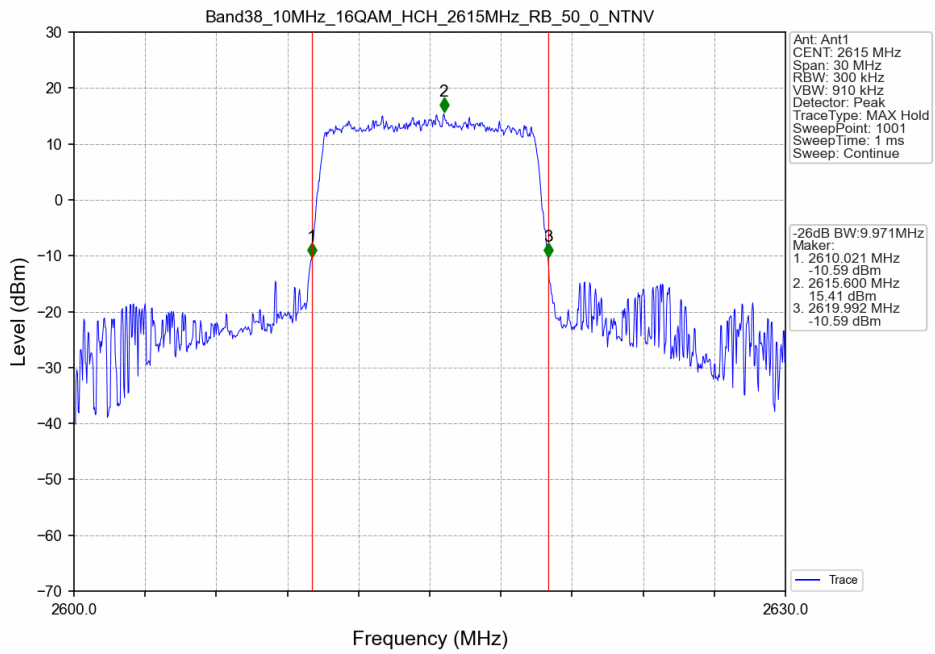
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



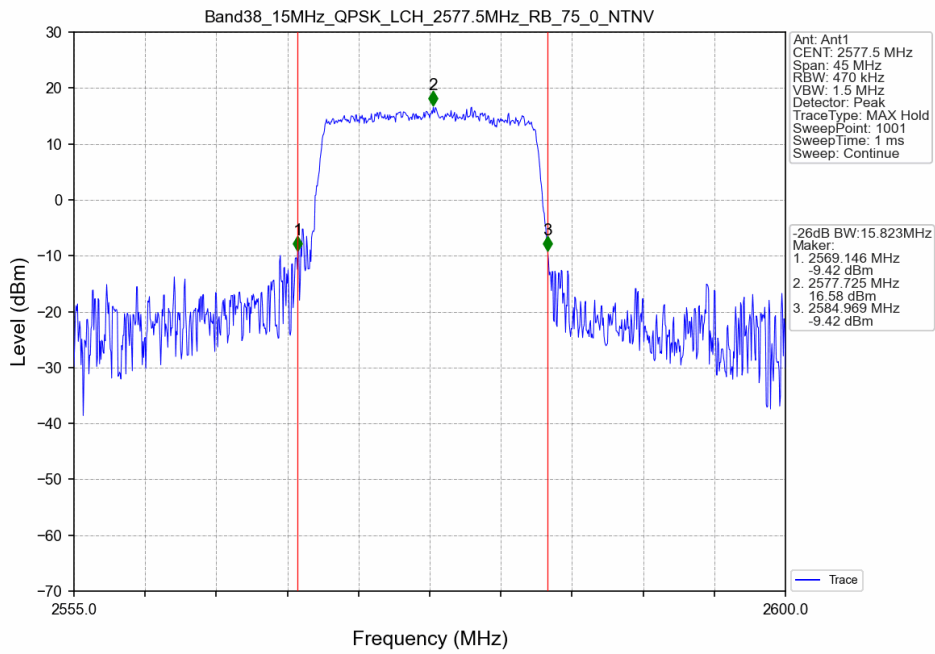
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



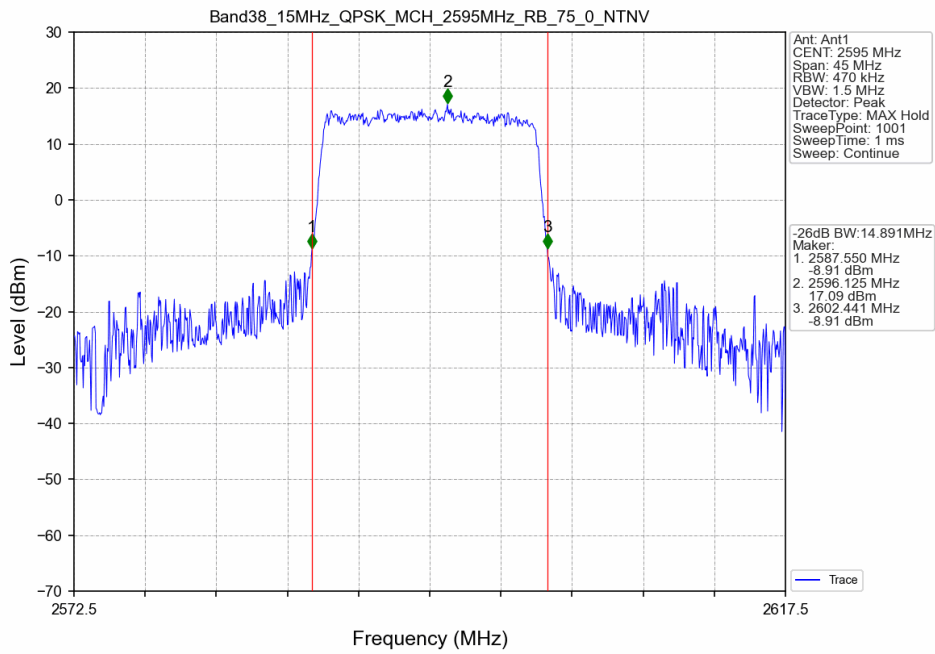
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



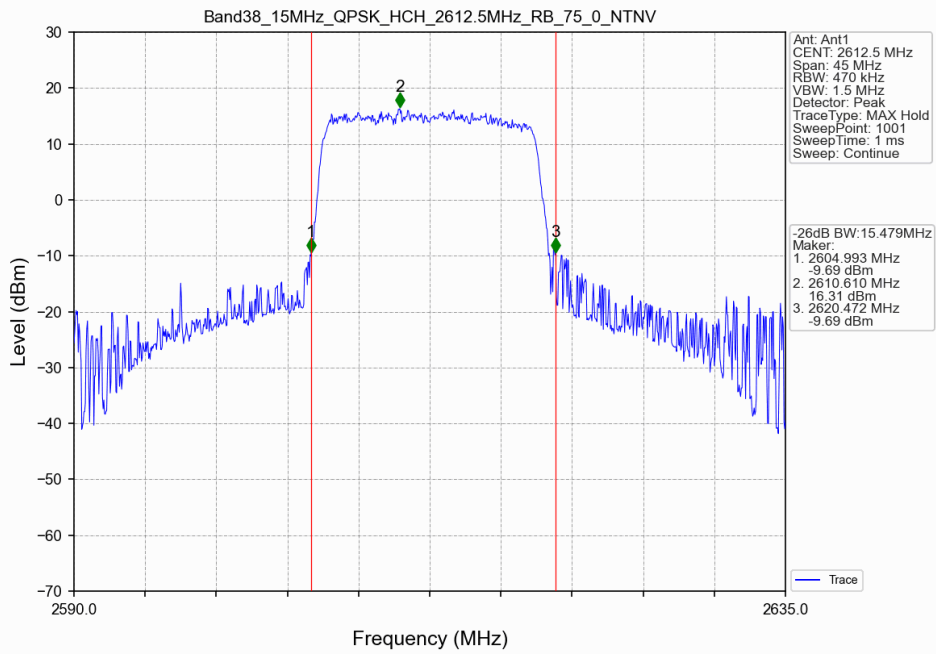
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



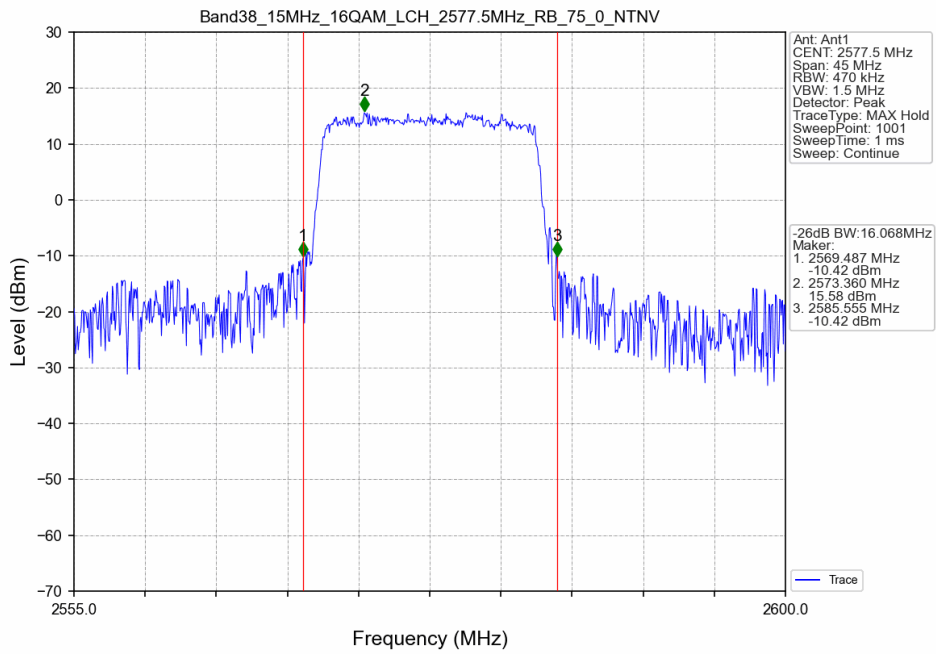
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



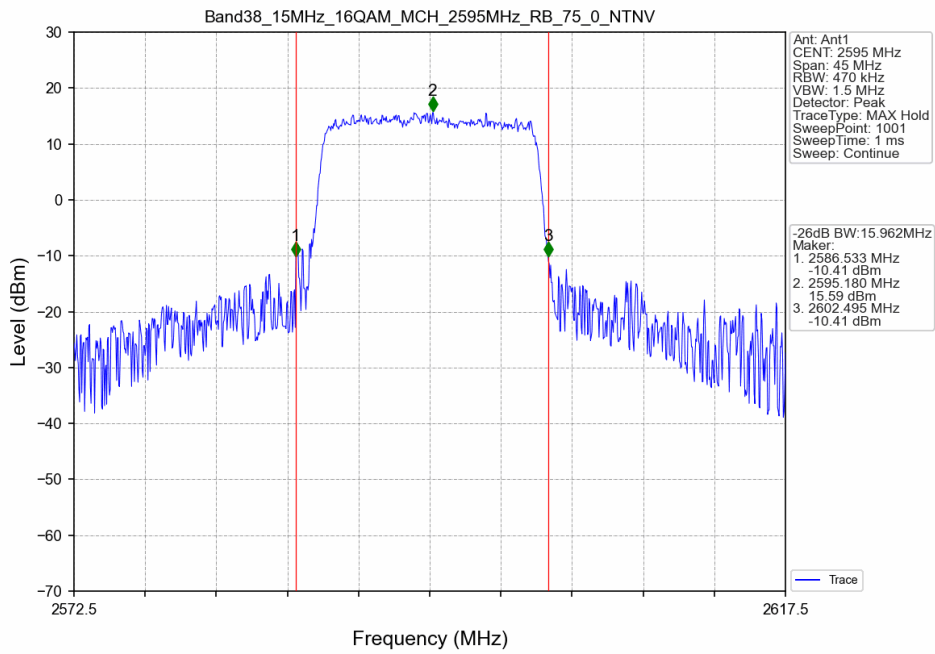
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



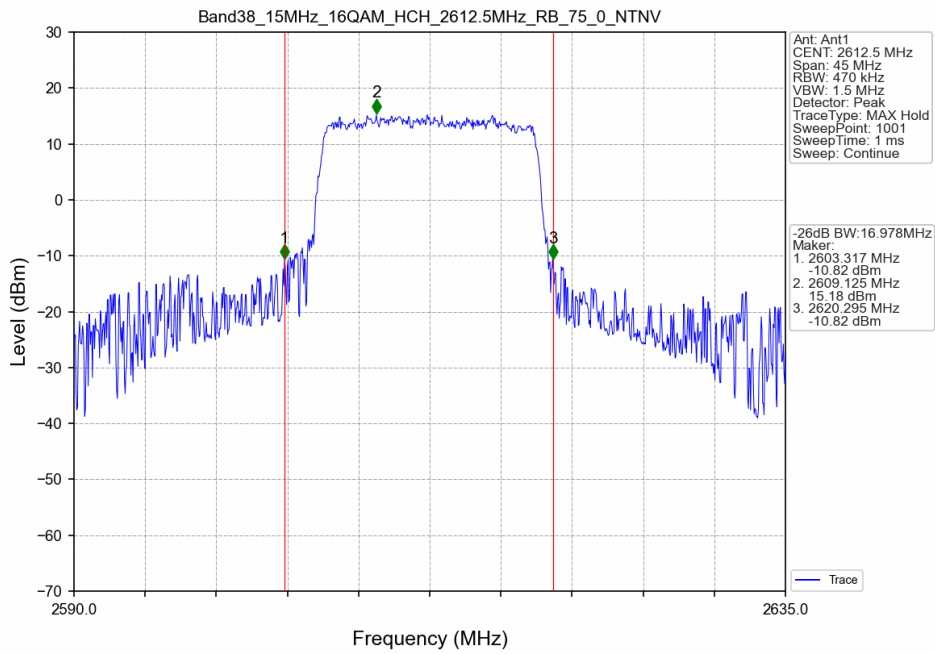
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



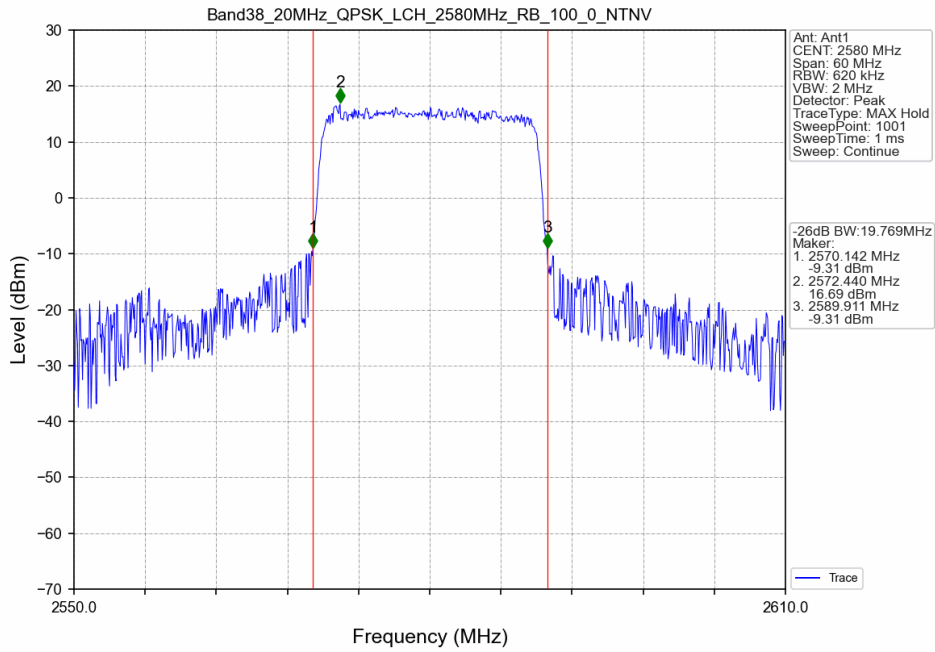
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



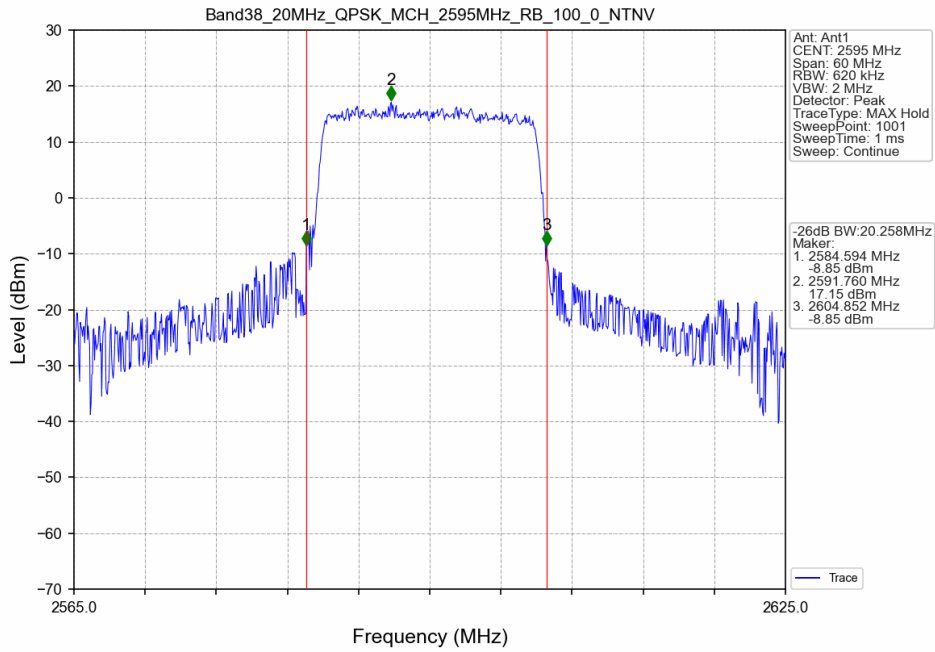
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



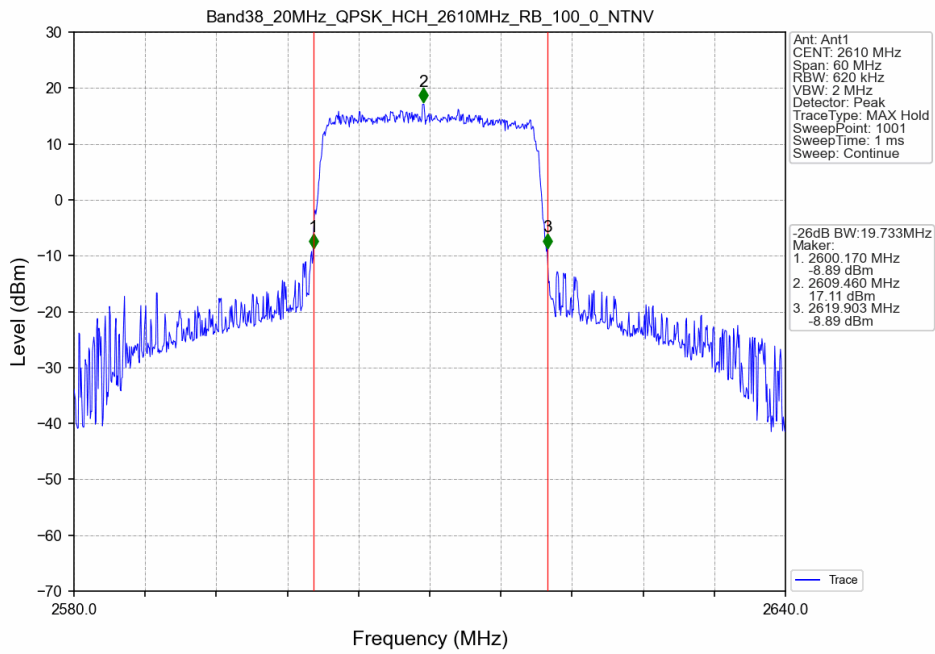
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



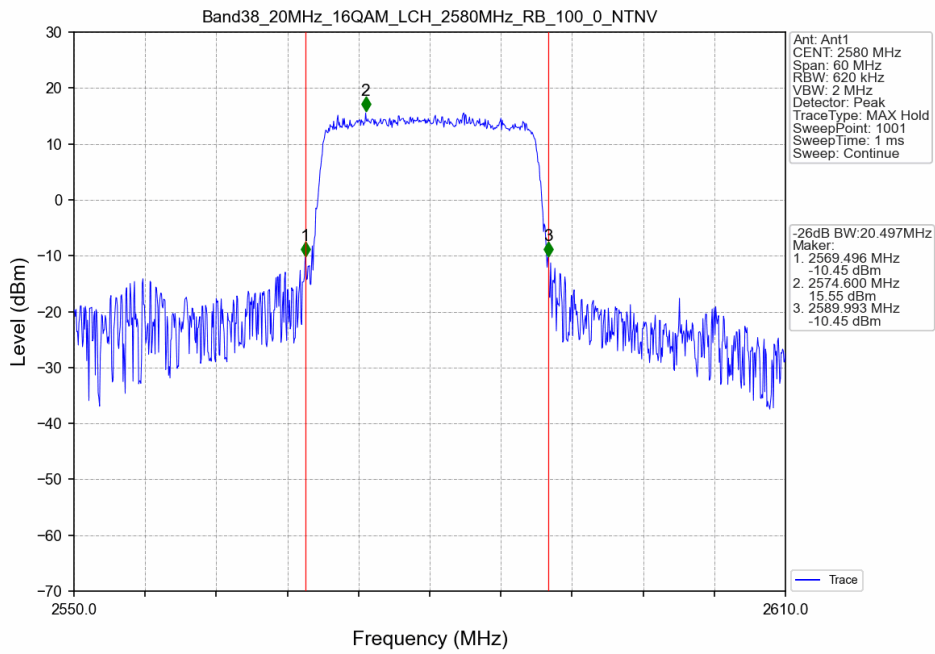
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



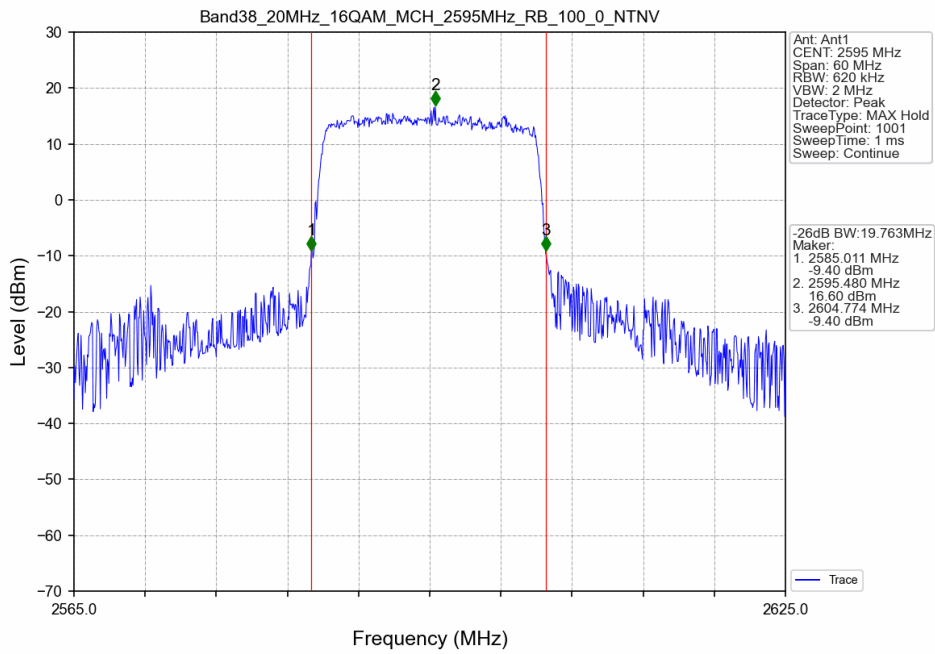
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



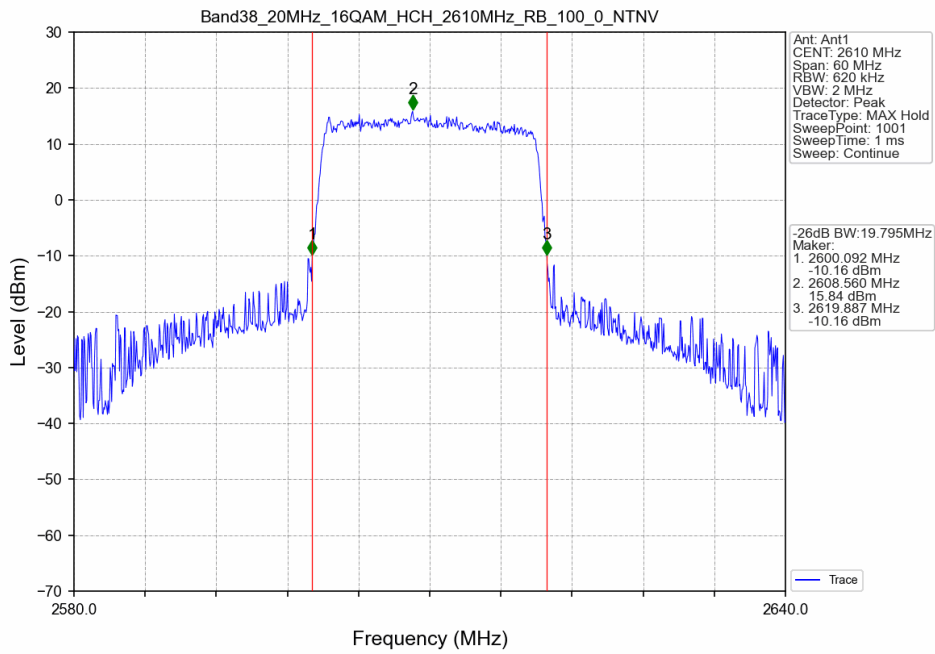
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



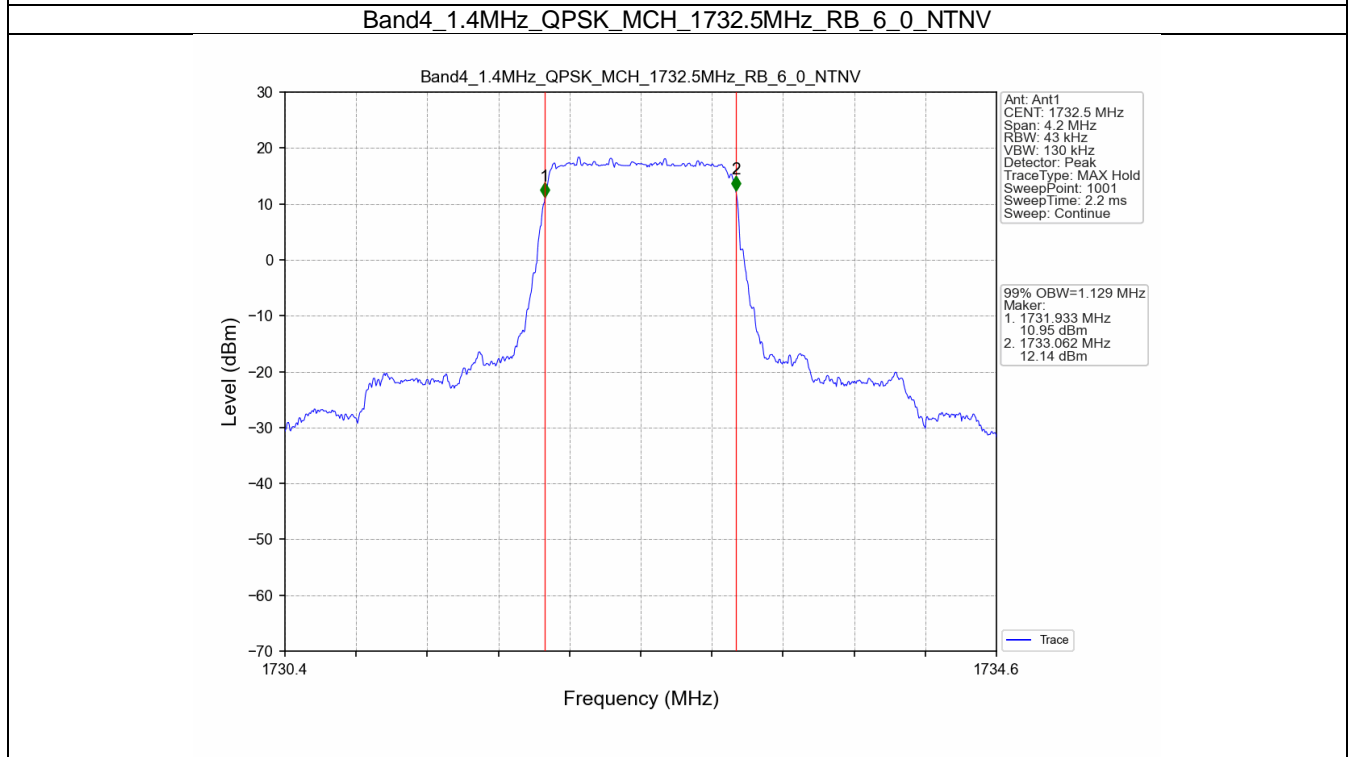
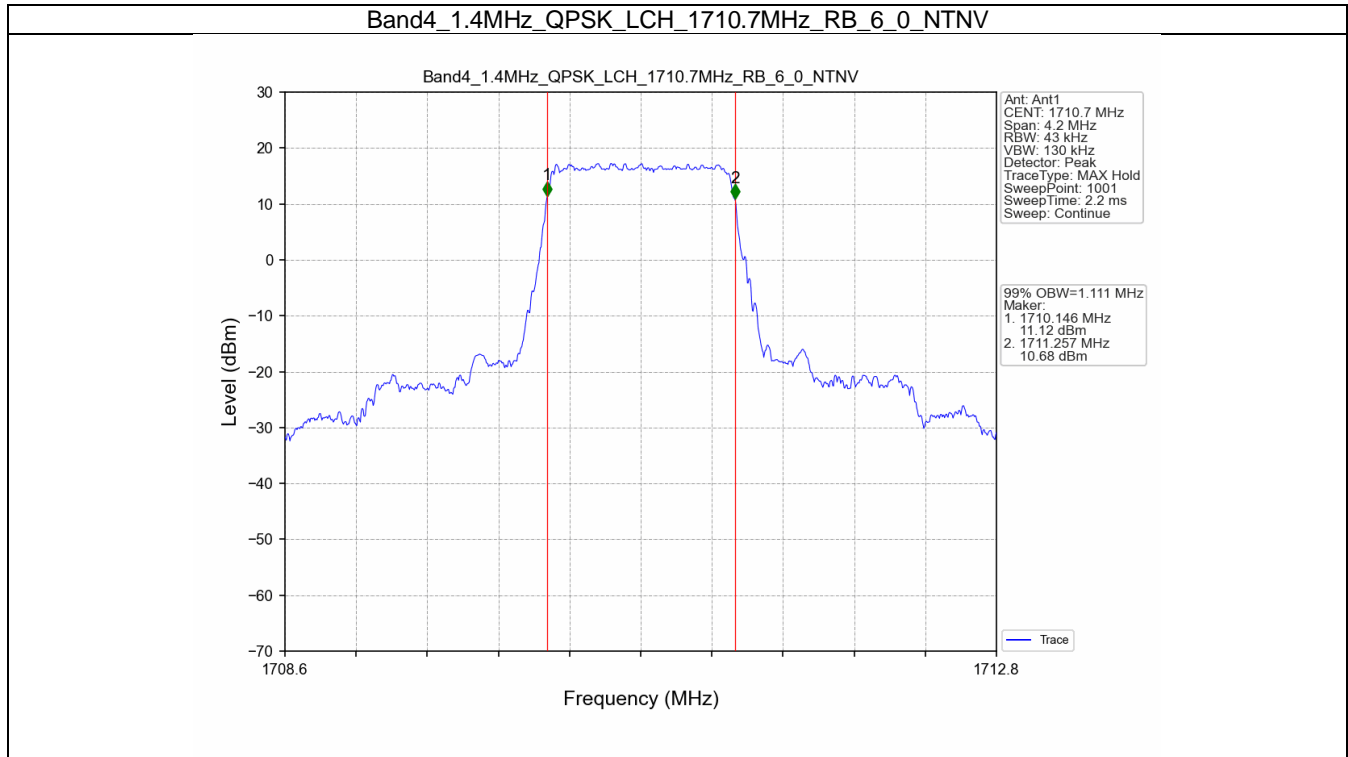
3. 99% & 26dB Bandwidth

3.1 Band4_OBW

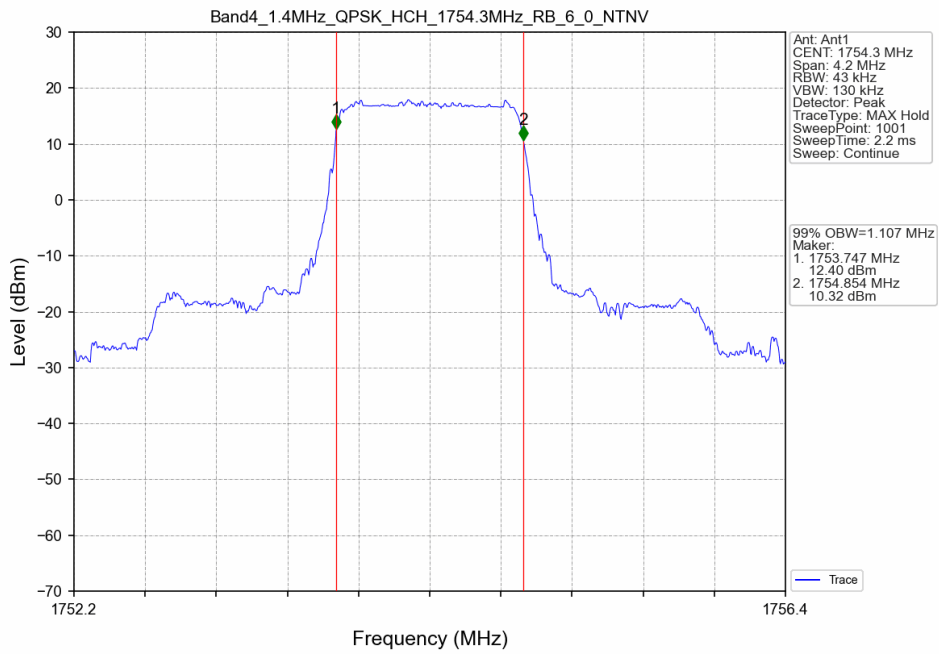
3.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.111	/	Pass
		1732.5	6	0	1.129	/	Pass
		1754.3	6	0	1.107	/	Pass
	16QAM	1710.7	6	0	1.123	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.119	/	Pass
3	QPSK	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.748	/	Pass
		1753.5	15	0	2.742	/	Pass
	16QAM	1711.5	15	0	2.742	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.742	/	Pass
5	QPSK	1712.5	25	0	4.552	/	Pass
		1732.5	25	0	4.542	/	Pass
		1752.5	25	0	4.541	/	Pass
	16QAM	1712.5	25	0	4.531	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.555	/	Pass
10	QPSK	1715	50	0	9.026	/	Pass
		1732.5	50	0	9.033	/	Pass
		1750	50	0	9.029	/	Pass
	16QAM	1715	50	0	9.046	/	Pass
		1732.5	50	0	9.034	/	Pass
		1750	50	0	9.027	/	Pass
15	QPSK	1717.5	75	0	13.537	/	Pass
		1732.5	75	0	13.518	/	Pass
		1747.5	75	0	13.500	/	Pass
	16QAM	1717.5	75	0	13.509	/	Pass
		1732.5	75	0	13.503	/	Pass
		1747.5	75	0	13.515	/	Pass
20	QPSK	1720	100	0	17.962	/	Pass
		1732.5	100	0	18.065	/	Pass
		1745	100	0	18.046	/	Pass
	16QAM	1720	100	0	17.959	/	Pass
		1732.5	100	0	18.064	/	Pass
		1745	100	0	18.066	/	Pass

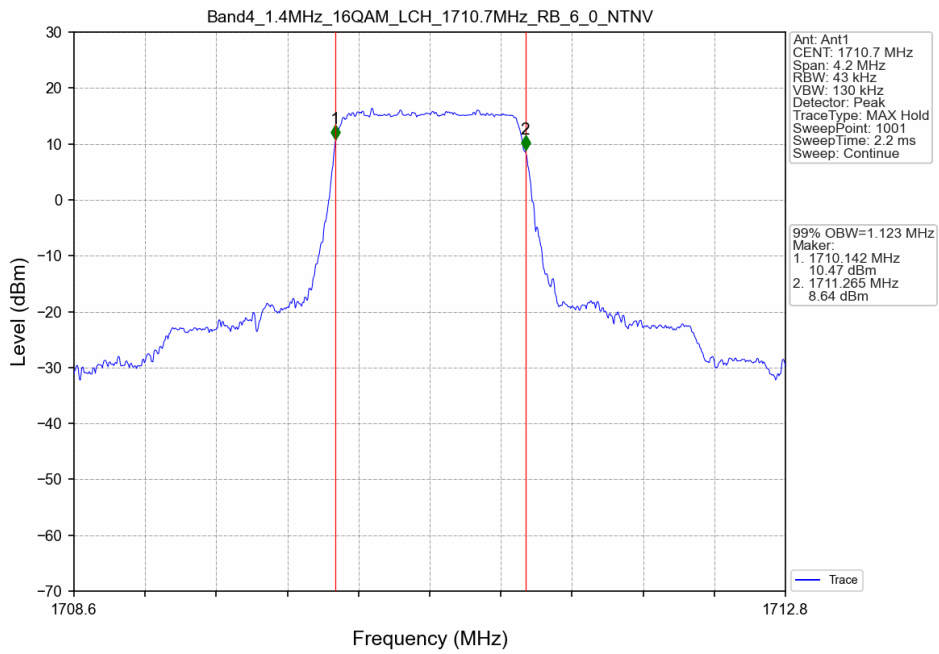
3.1.2 Test Graph



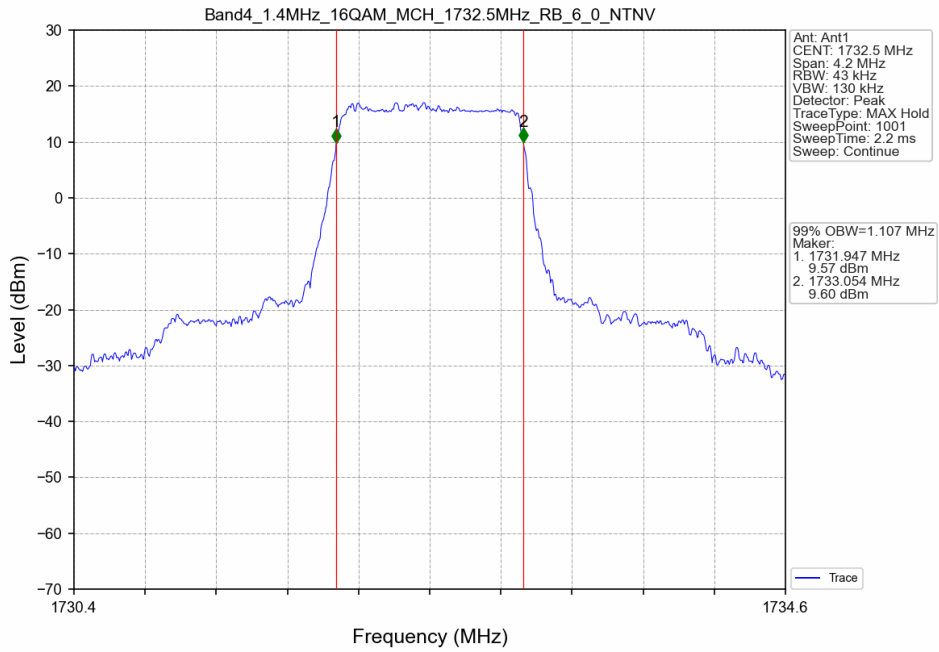
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



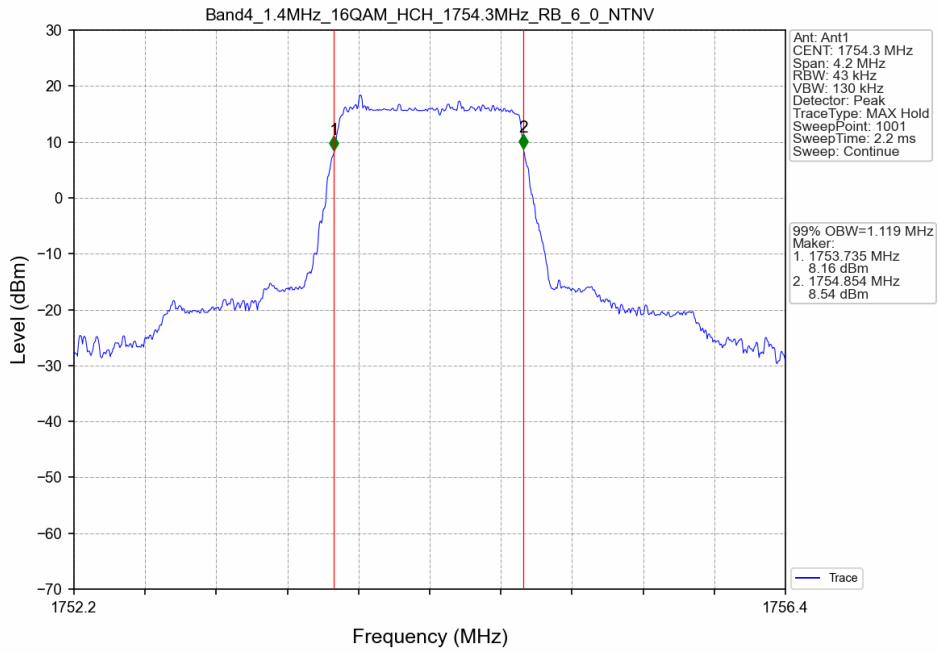
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



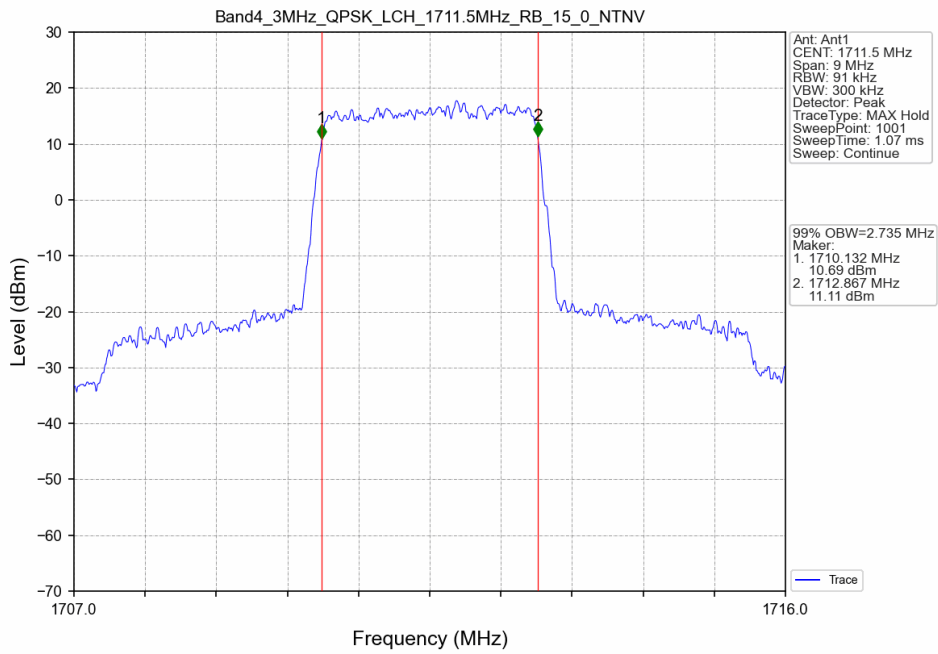
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



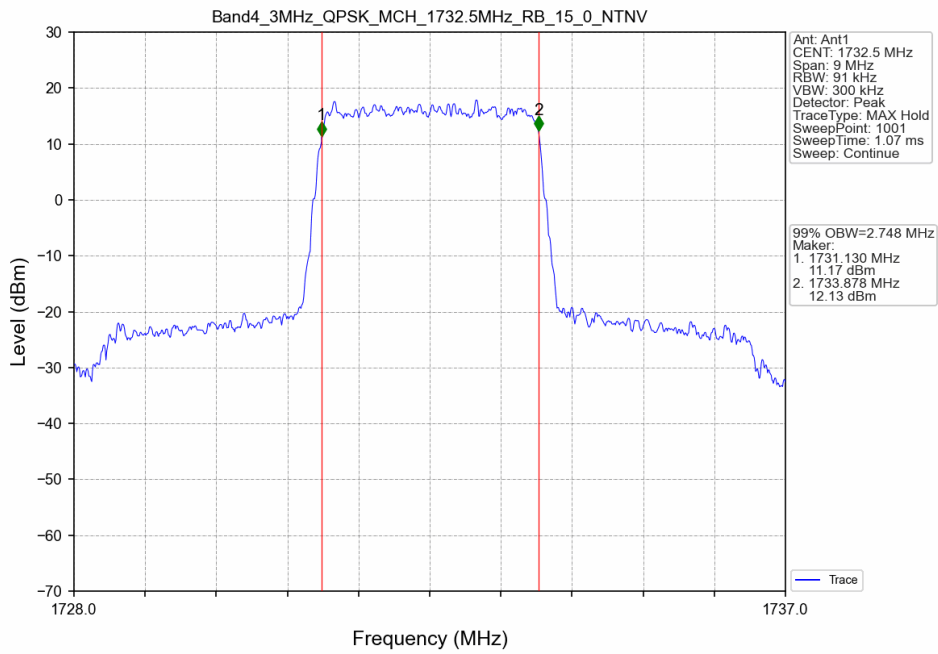
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



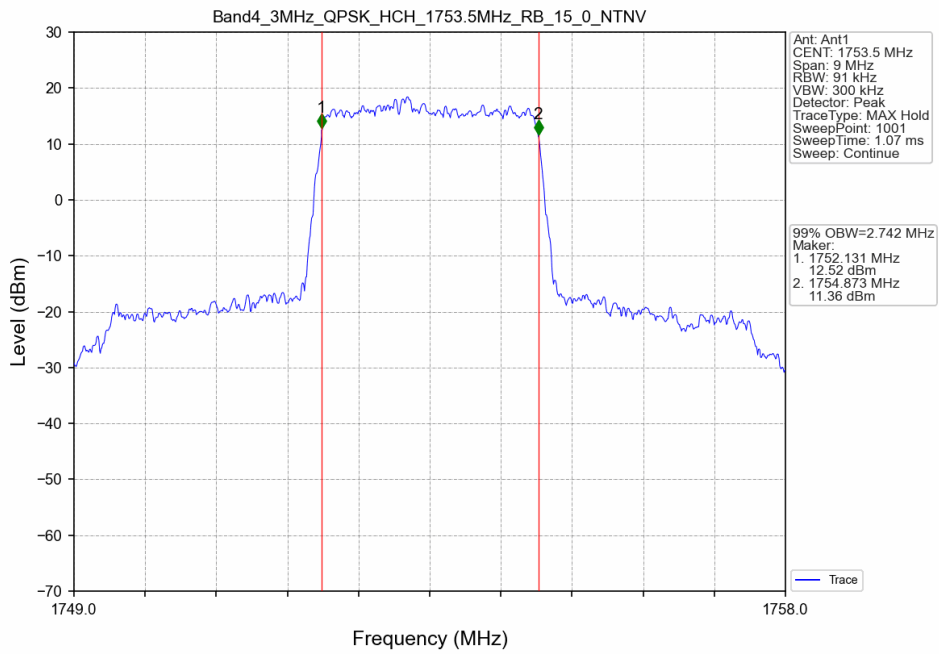
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



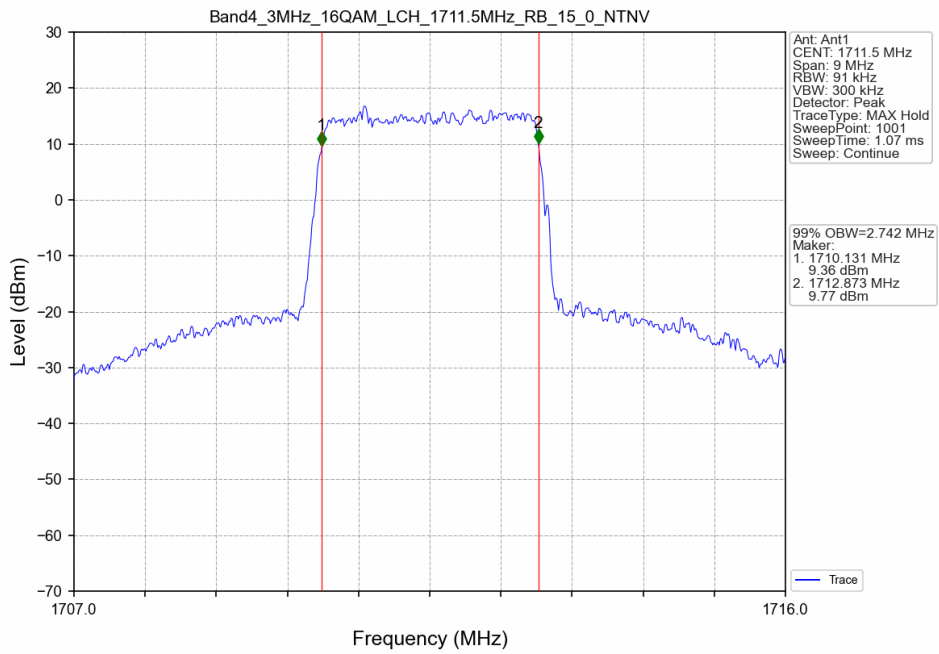
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



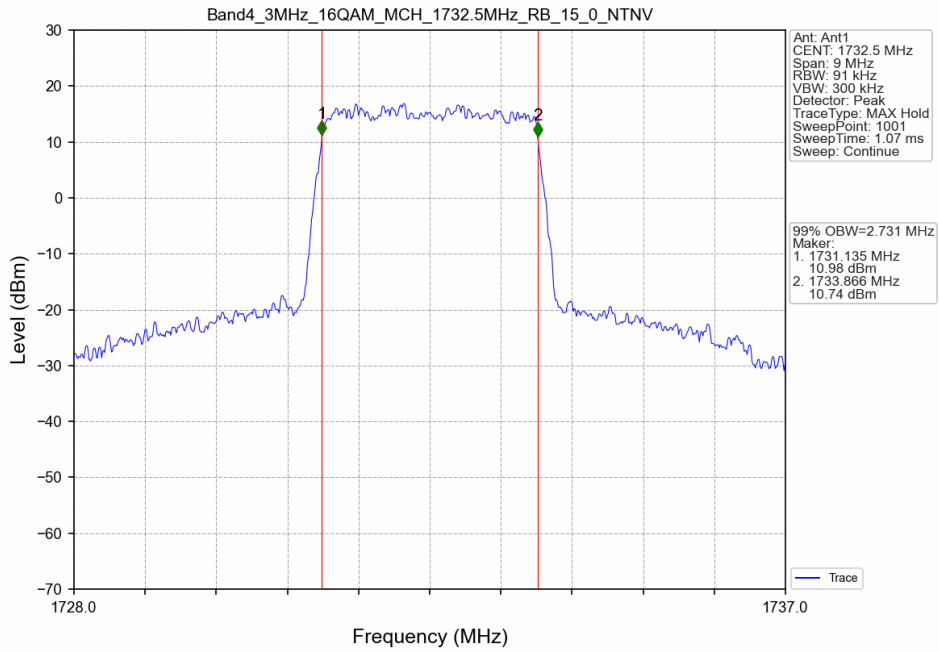
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



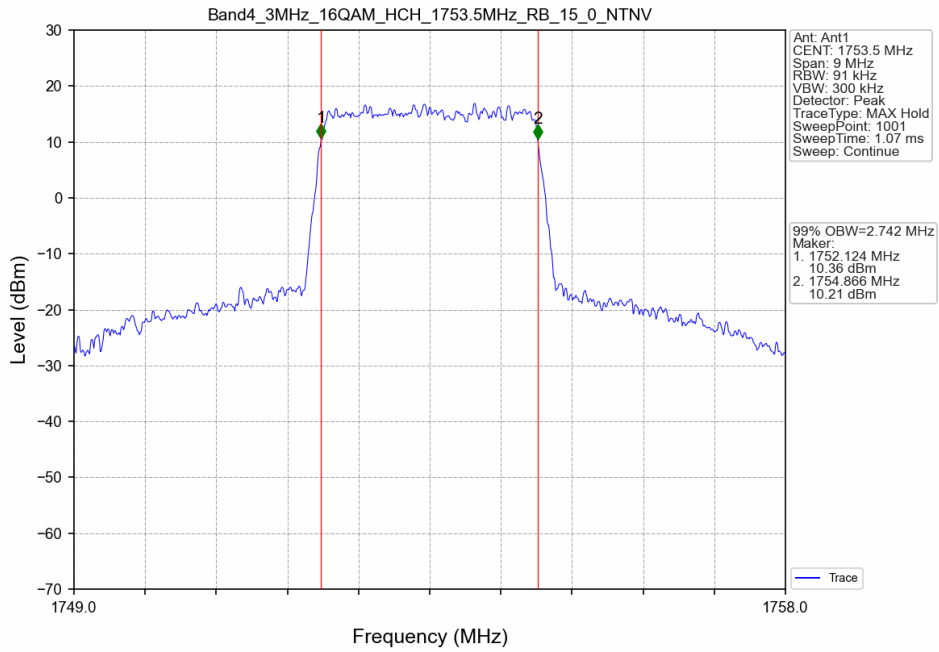
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



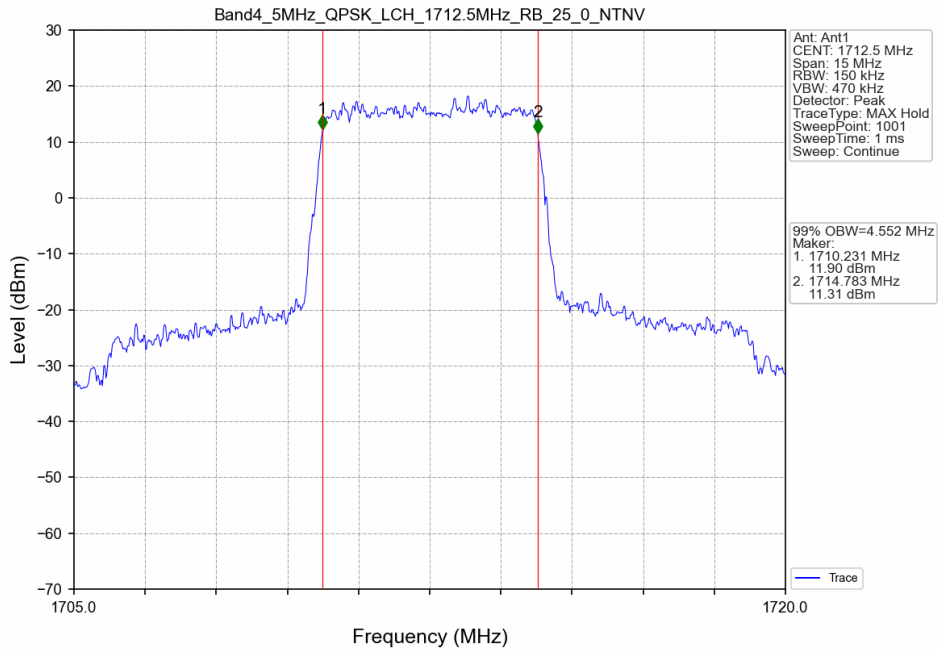
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



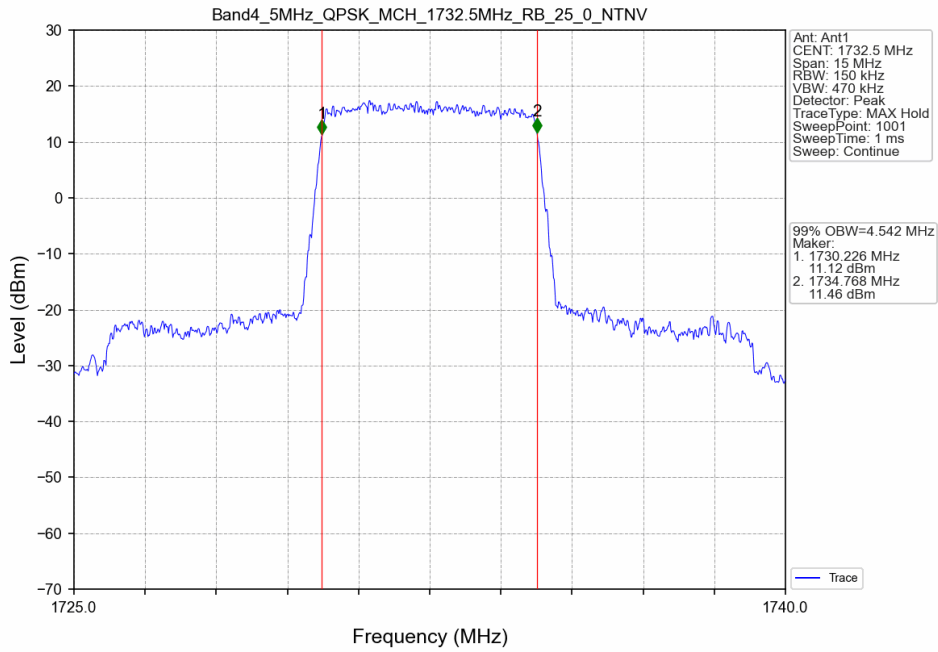
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



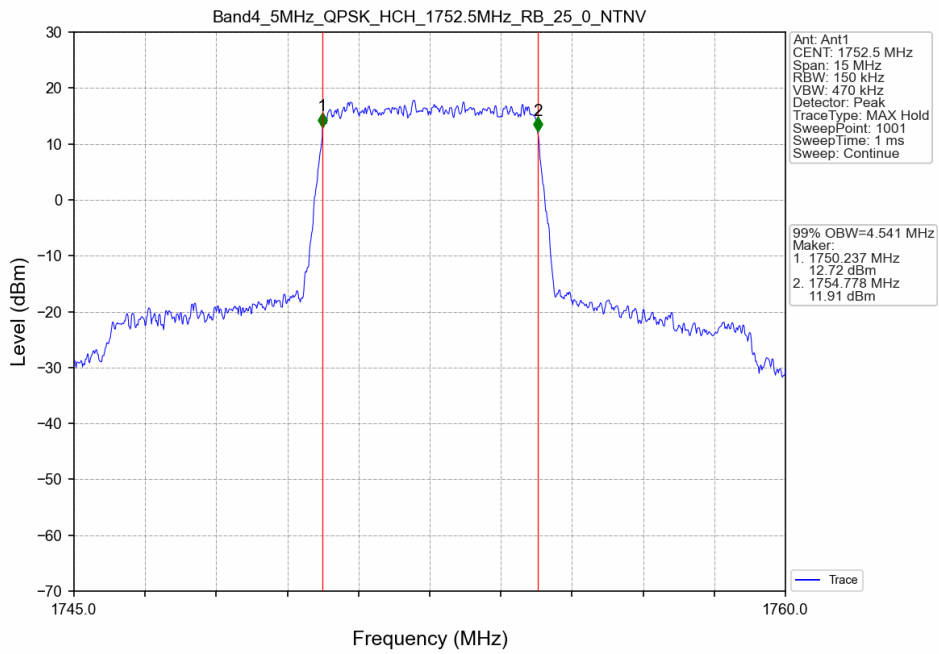
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



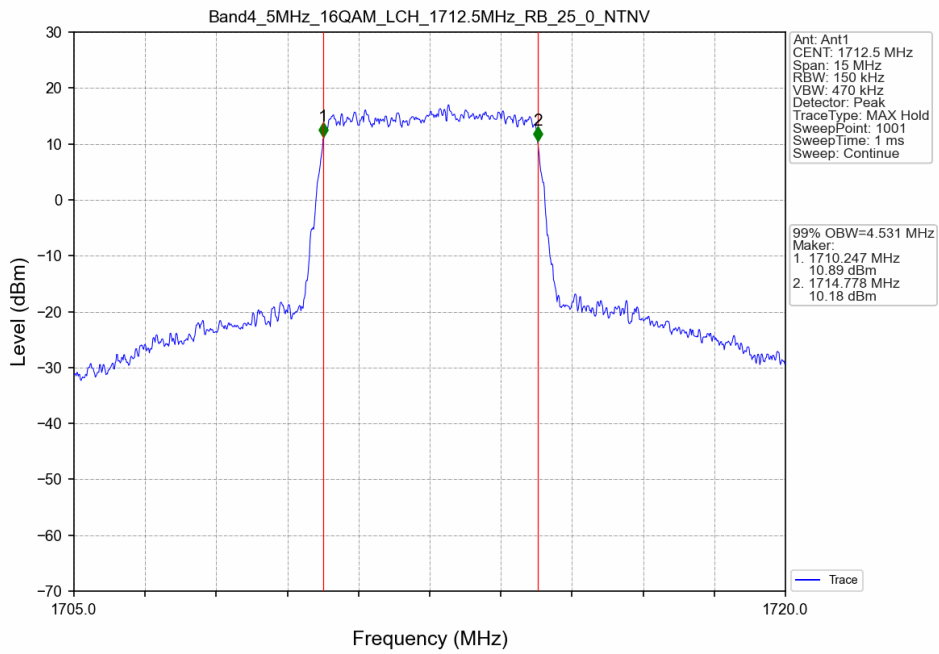
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



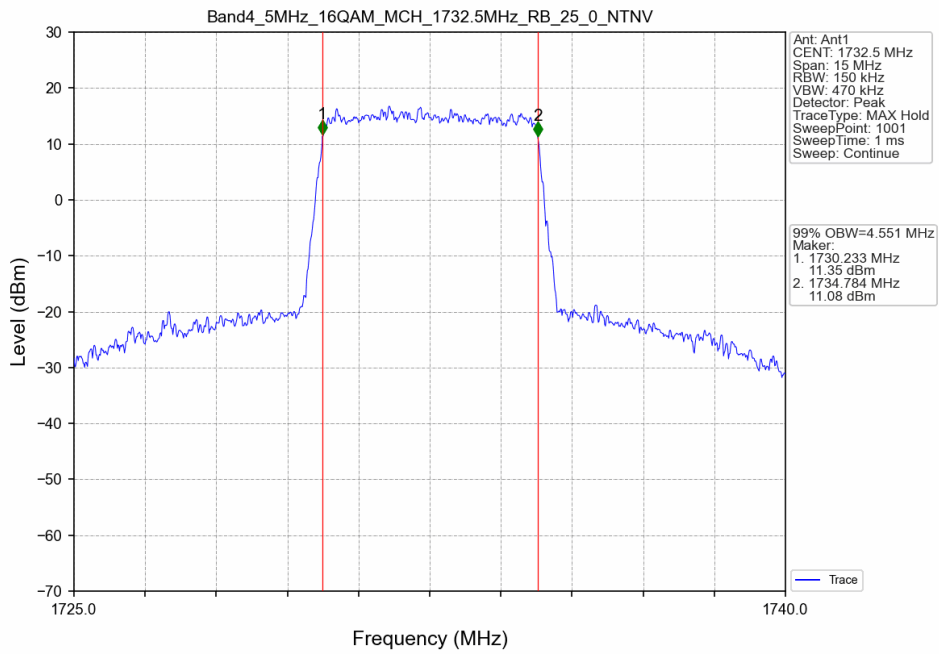
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



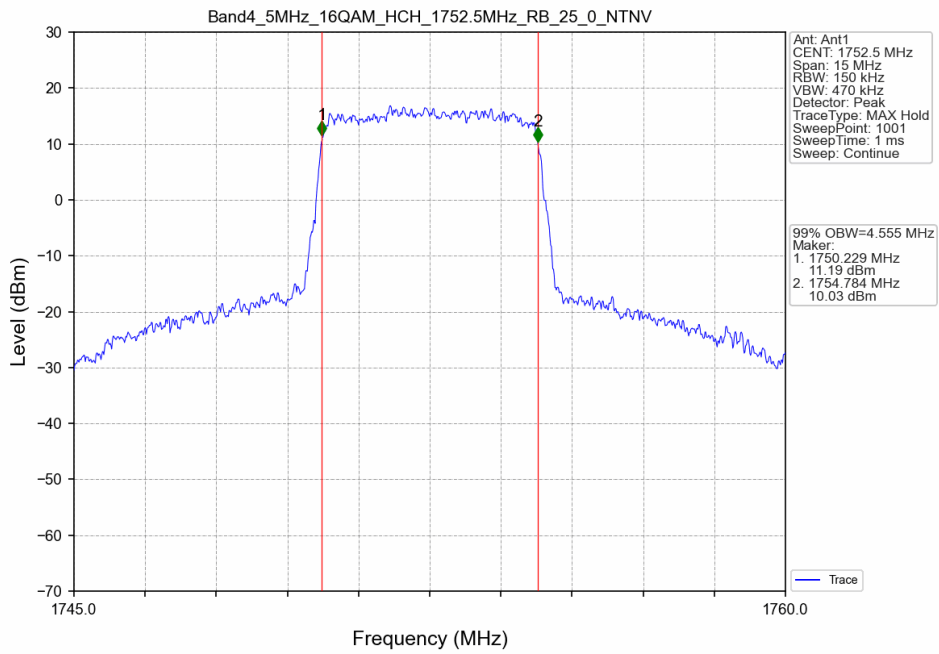
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



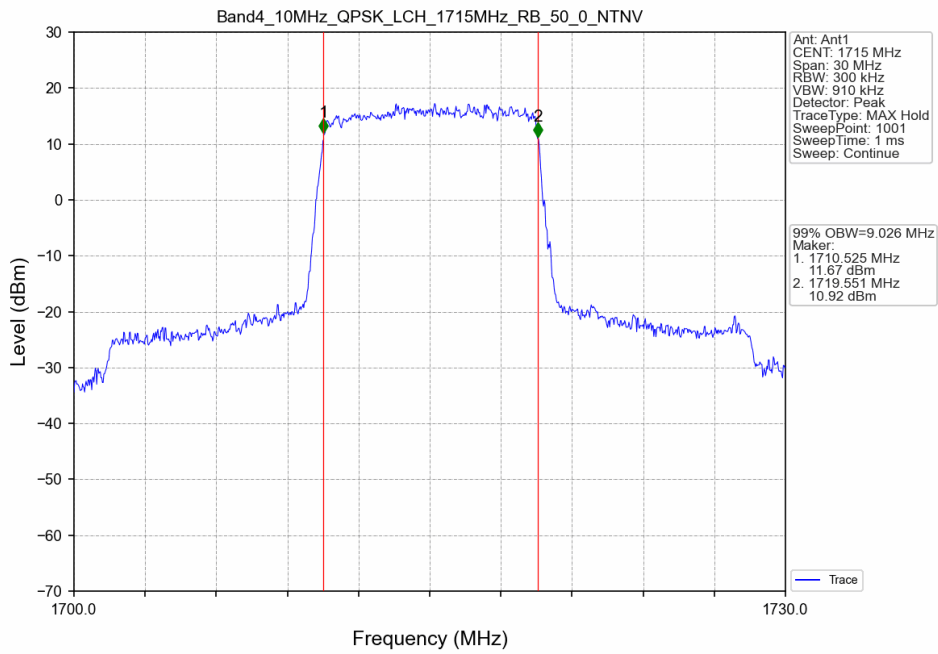
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



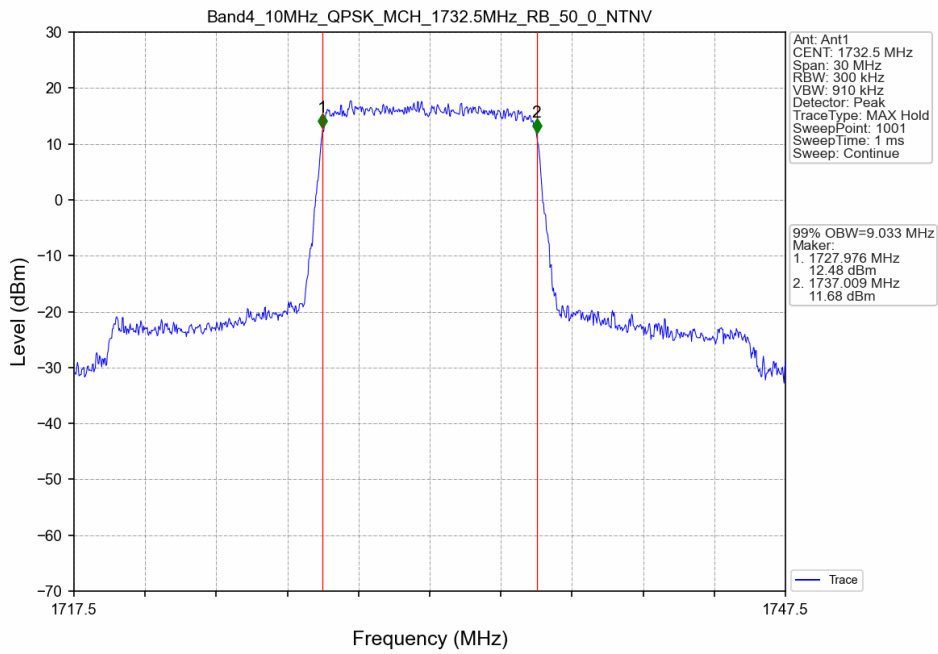
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



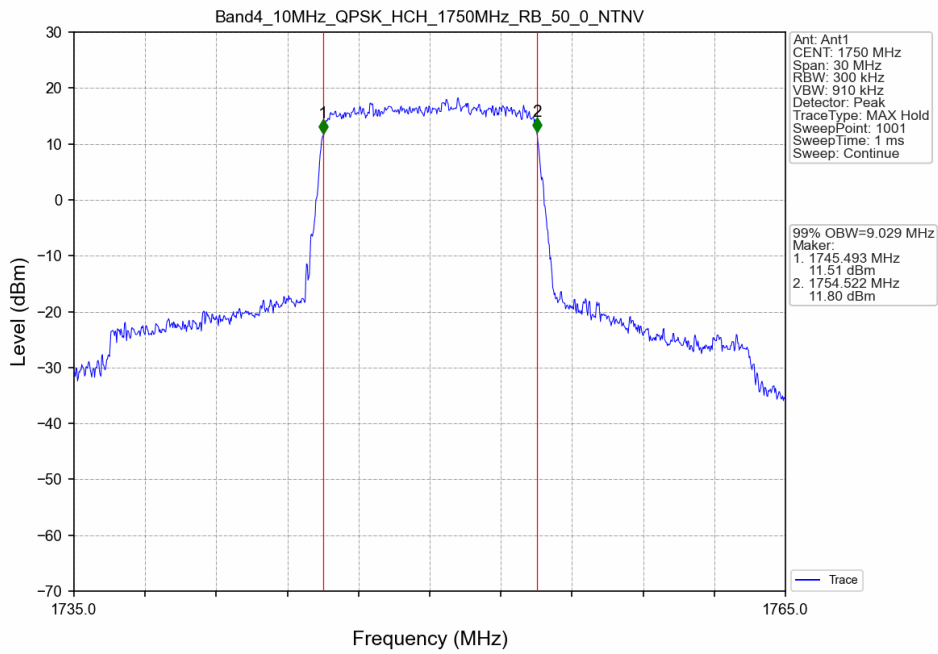
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



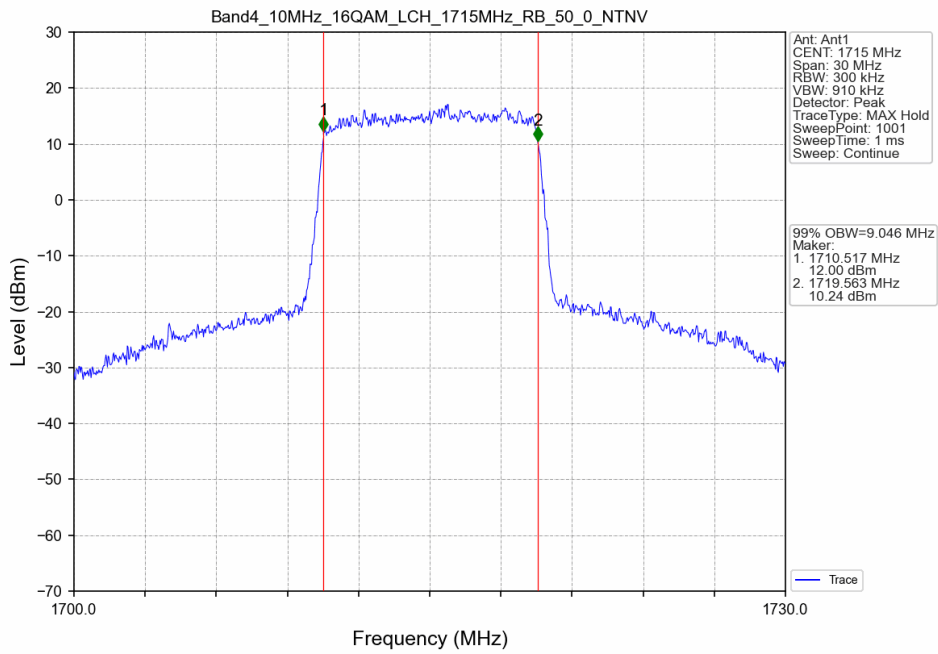
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



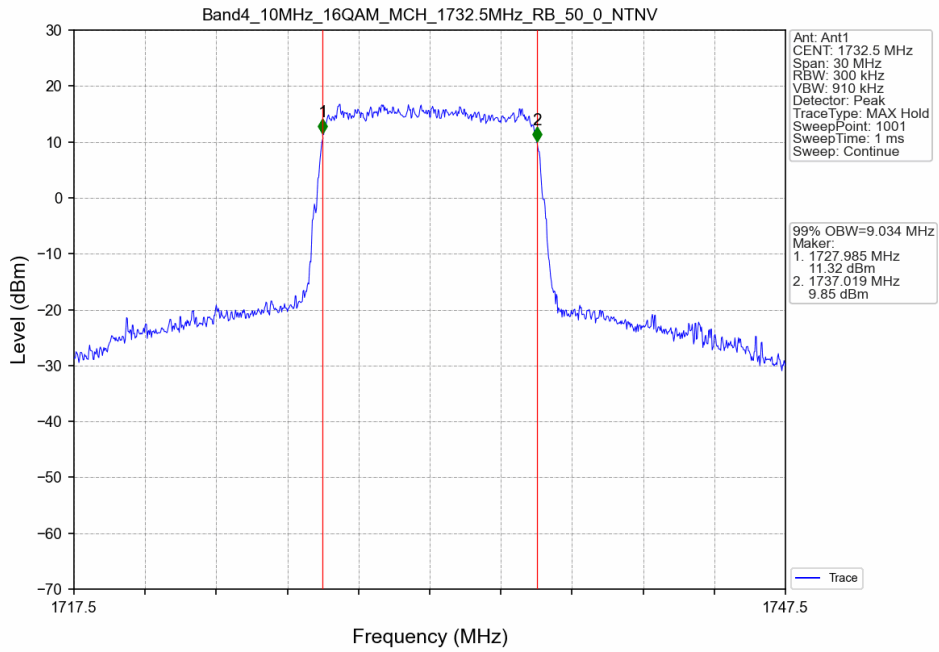
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



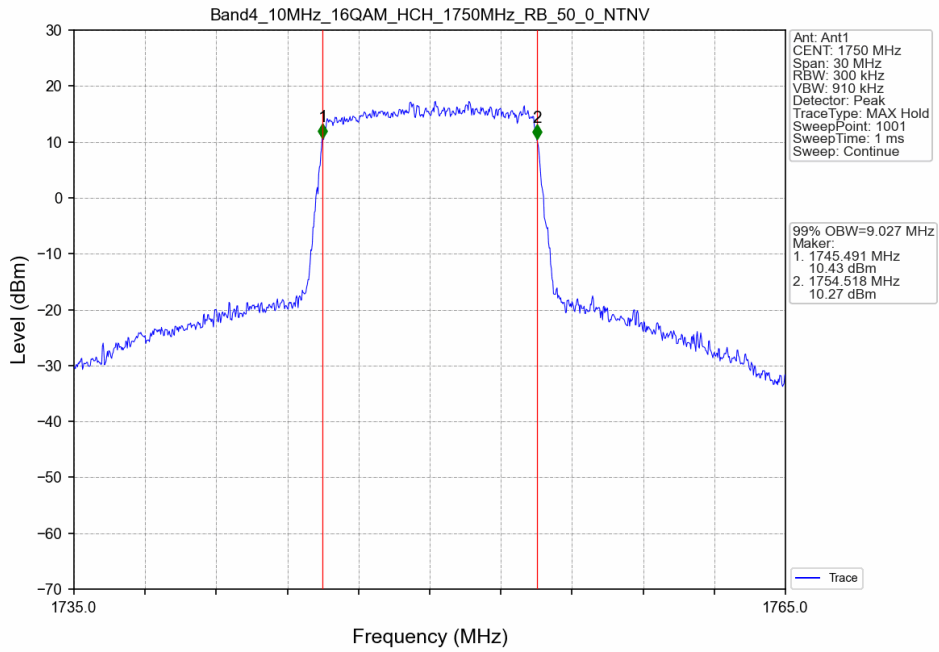
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



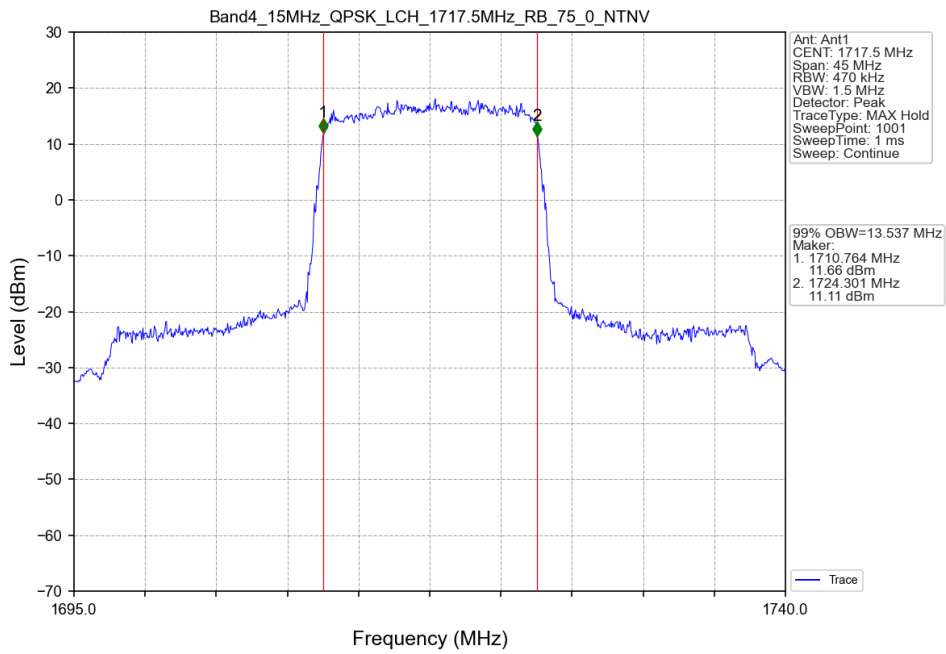
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



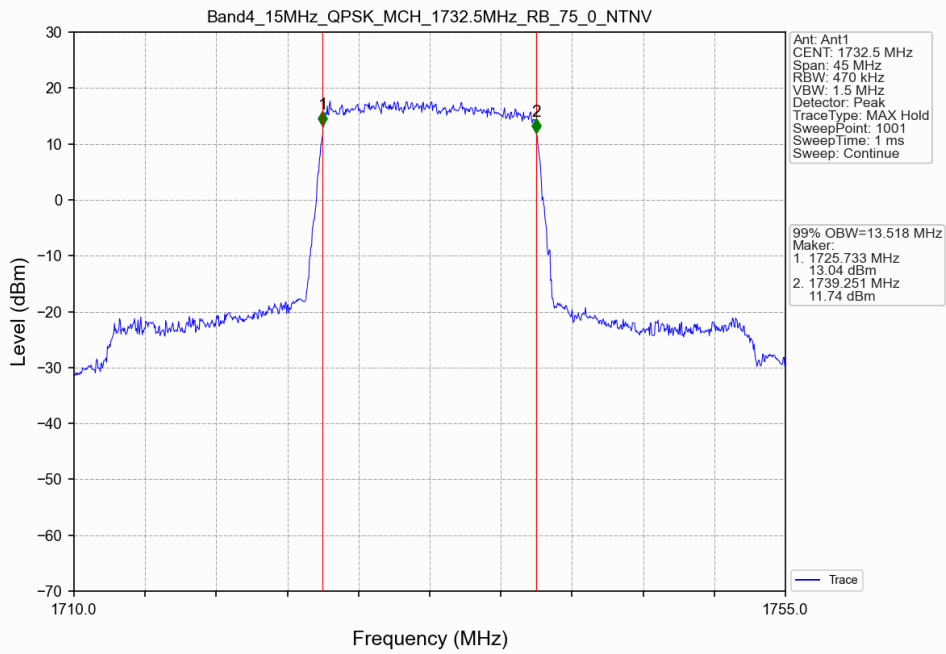
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



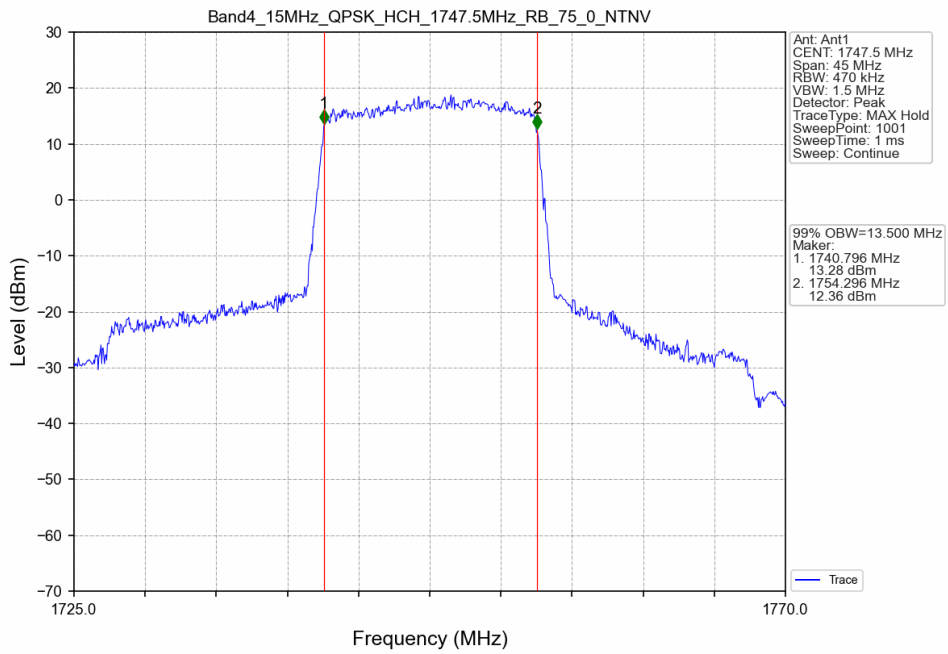
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



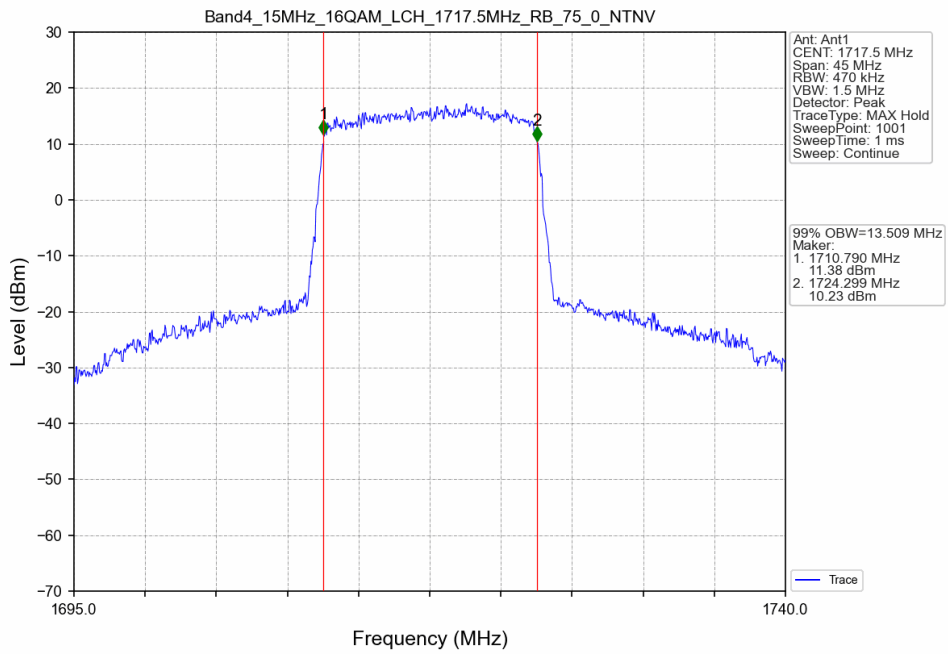
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



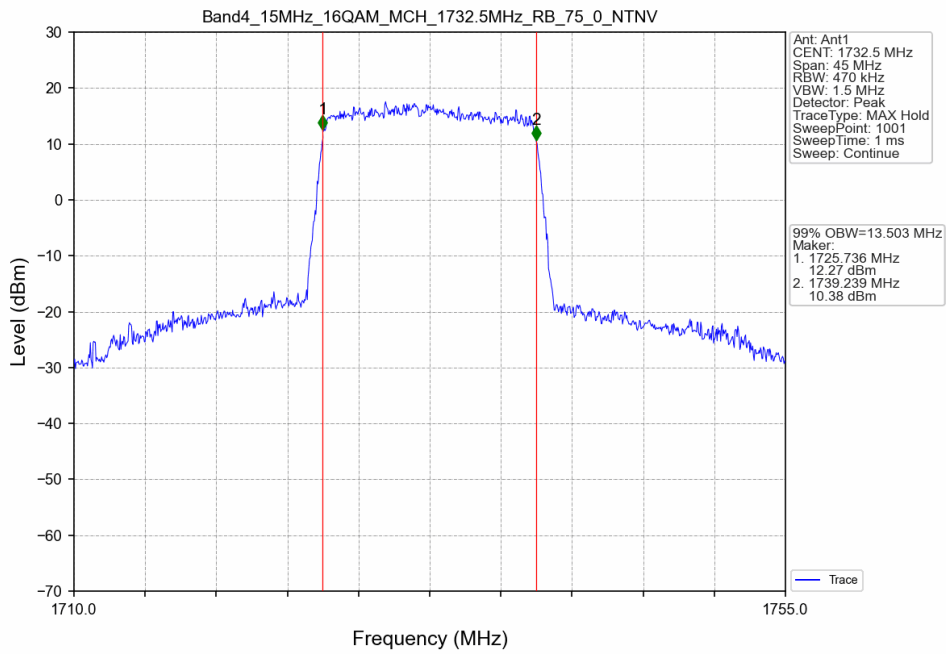
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



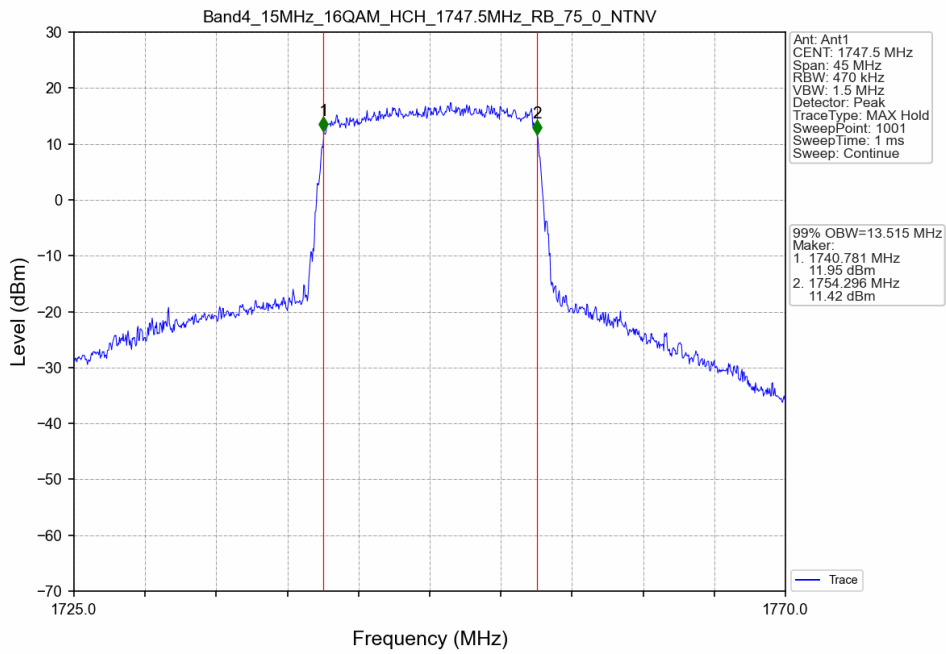
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



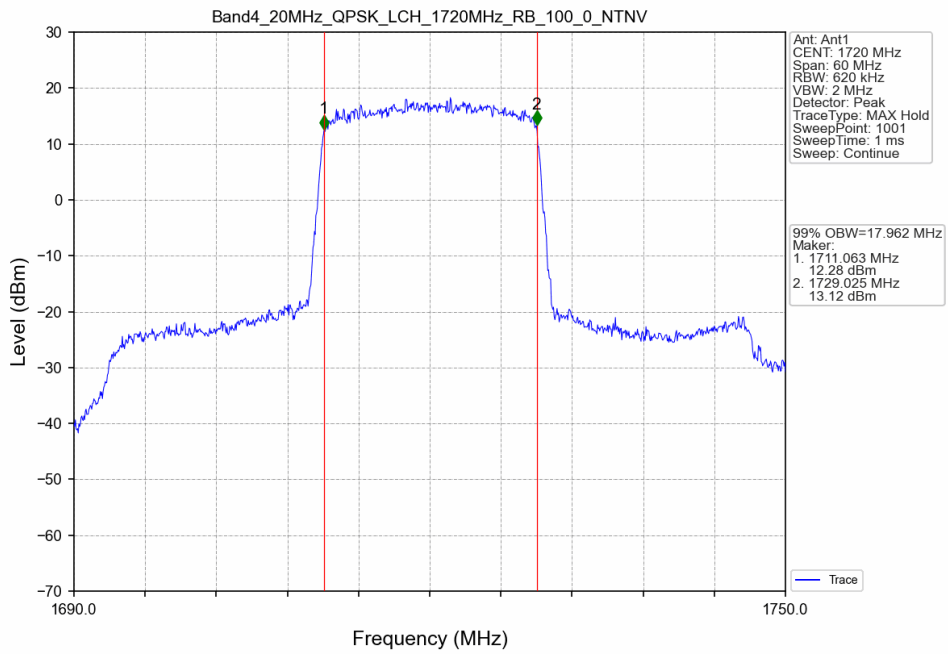
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



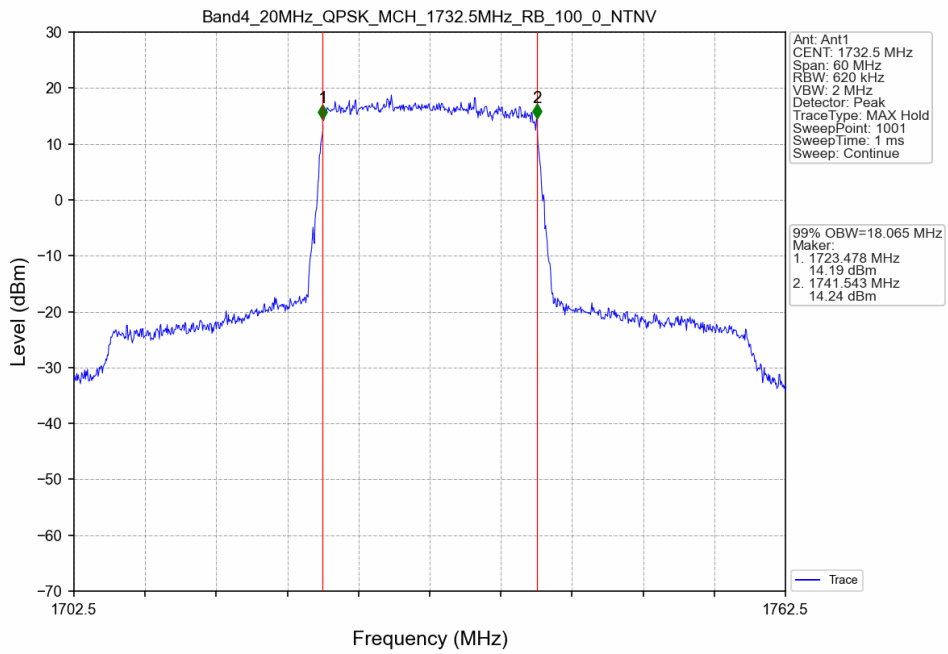
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



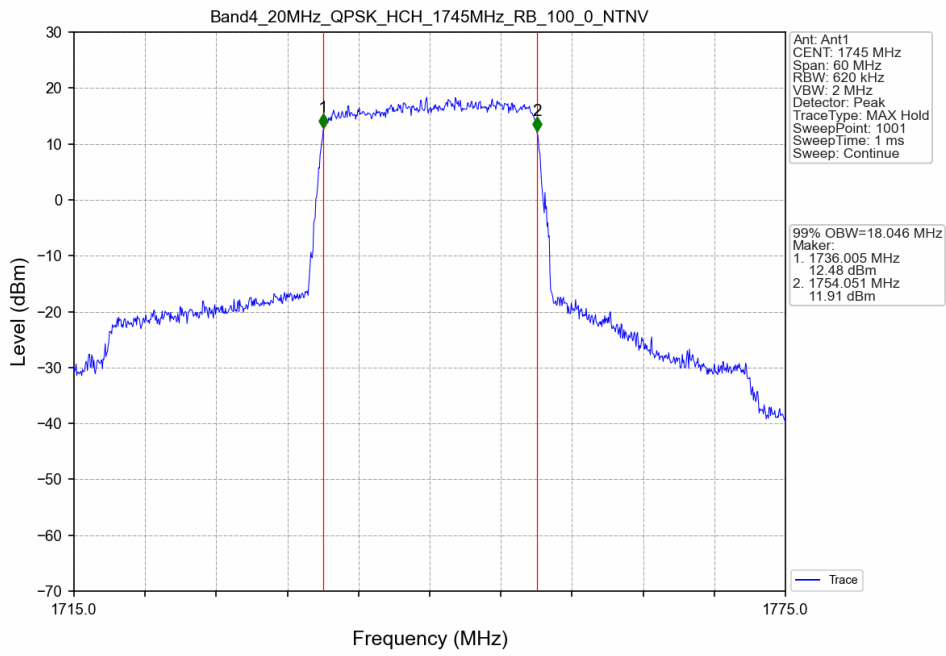
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



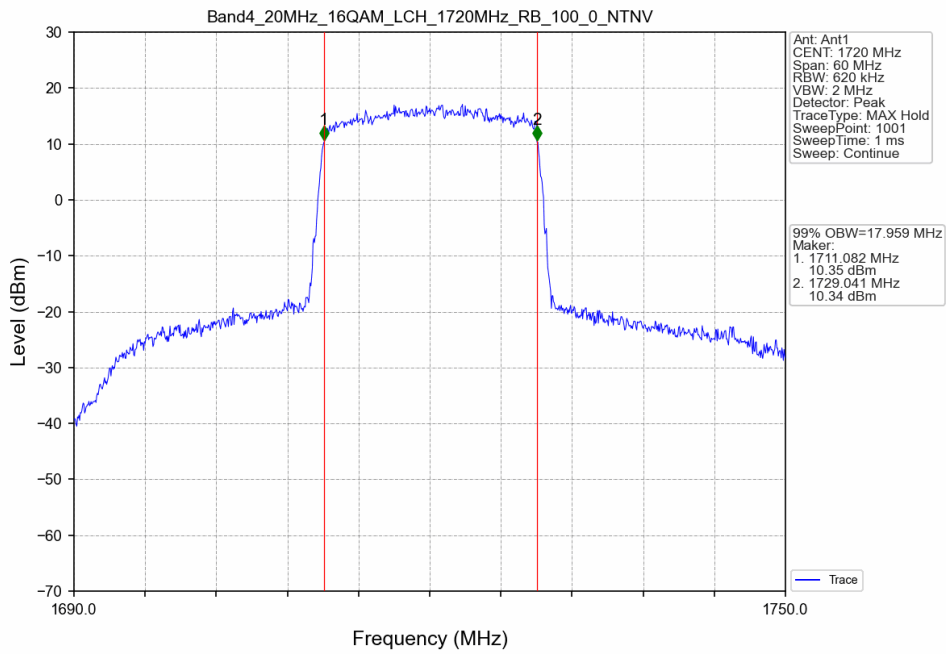
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



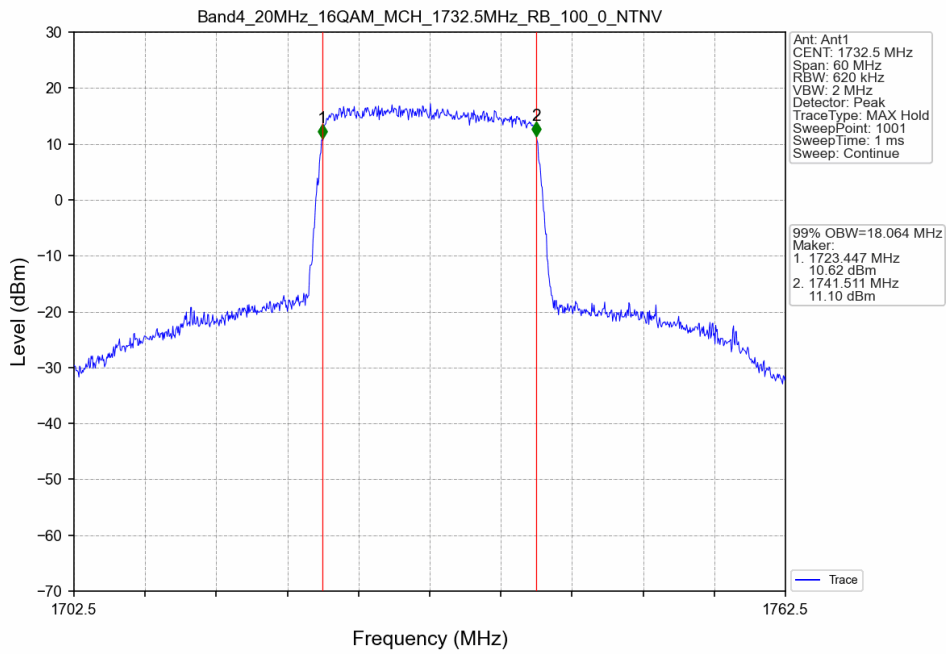
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



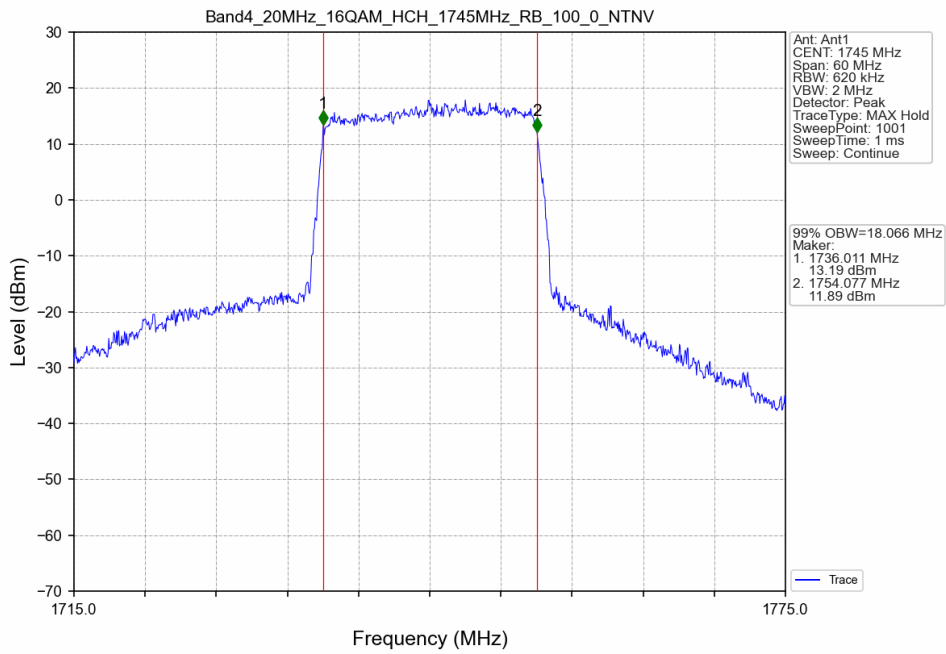
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

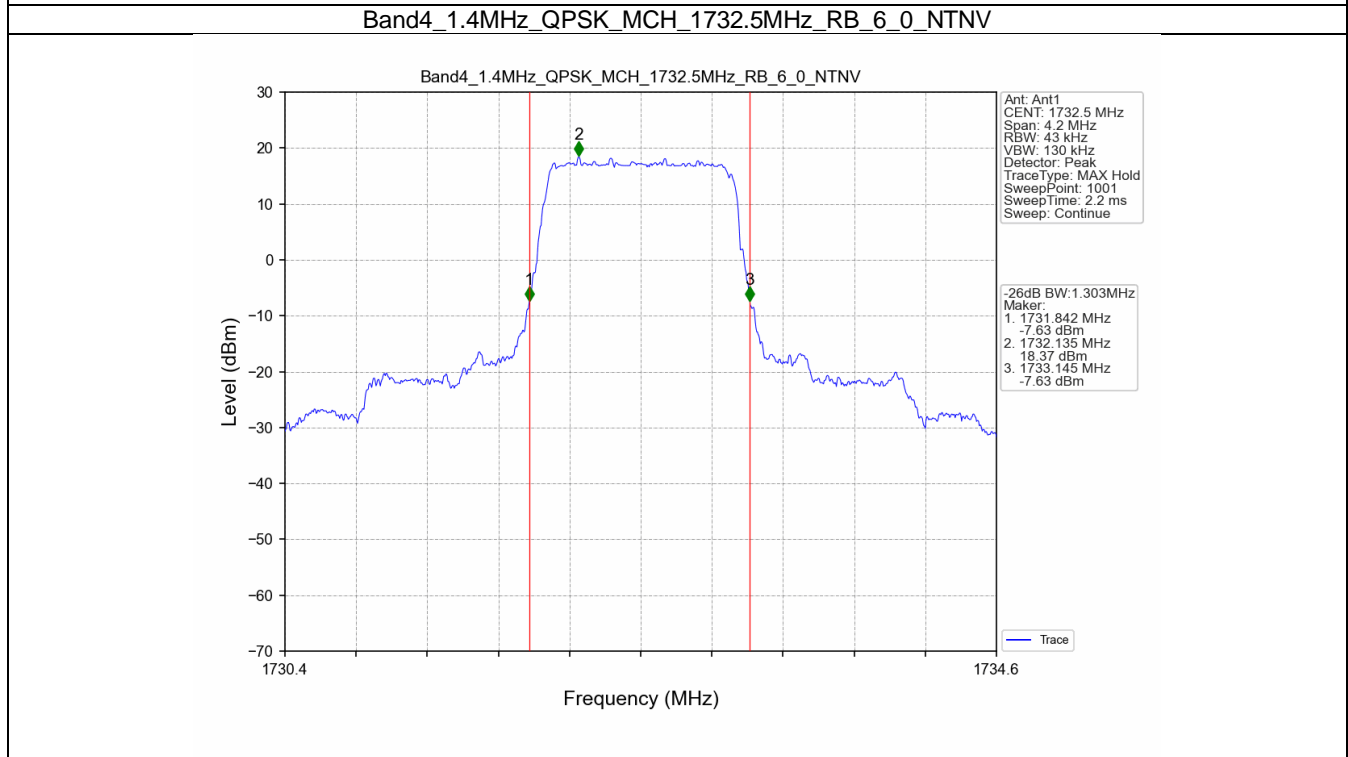
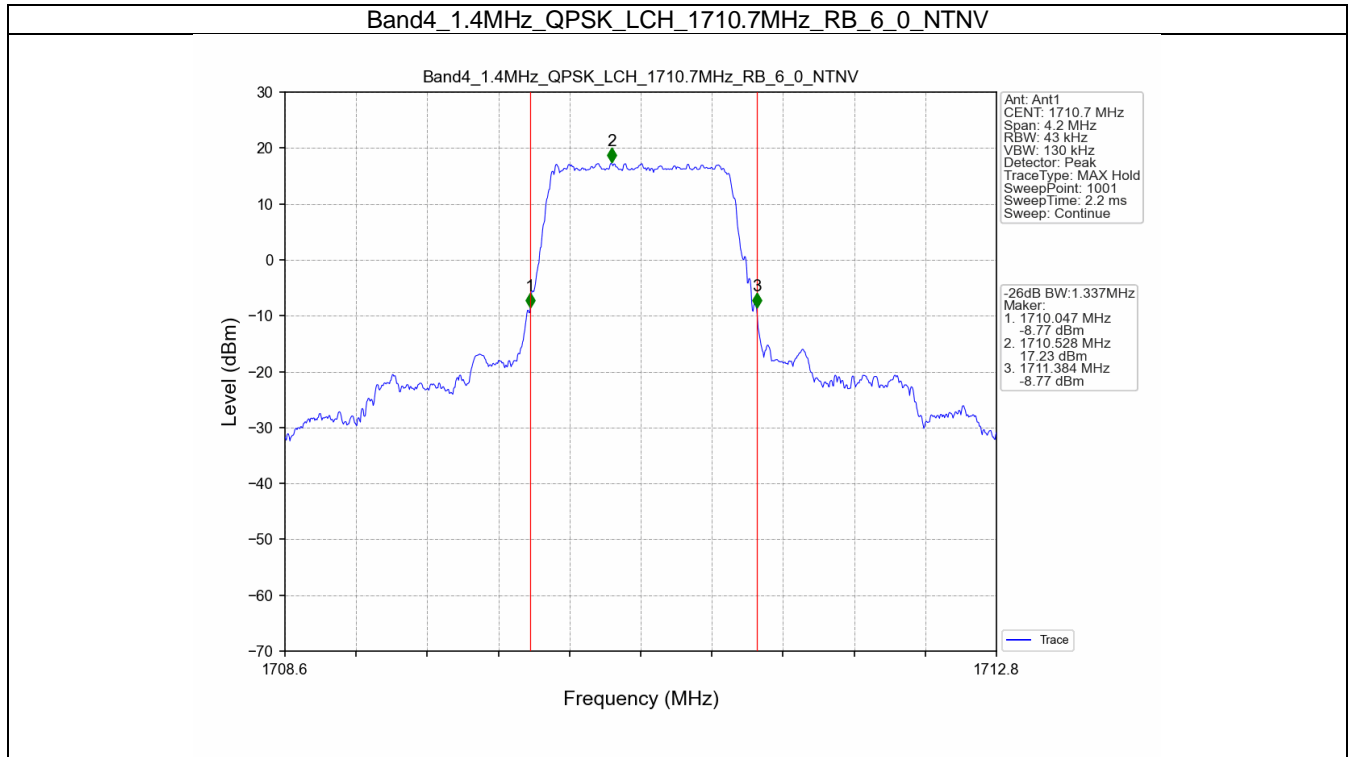


3.2 Band4_XDB

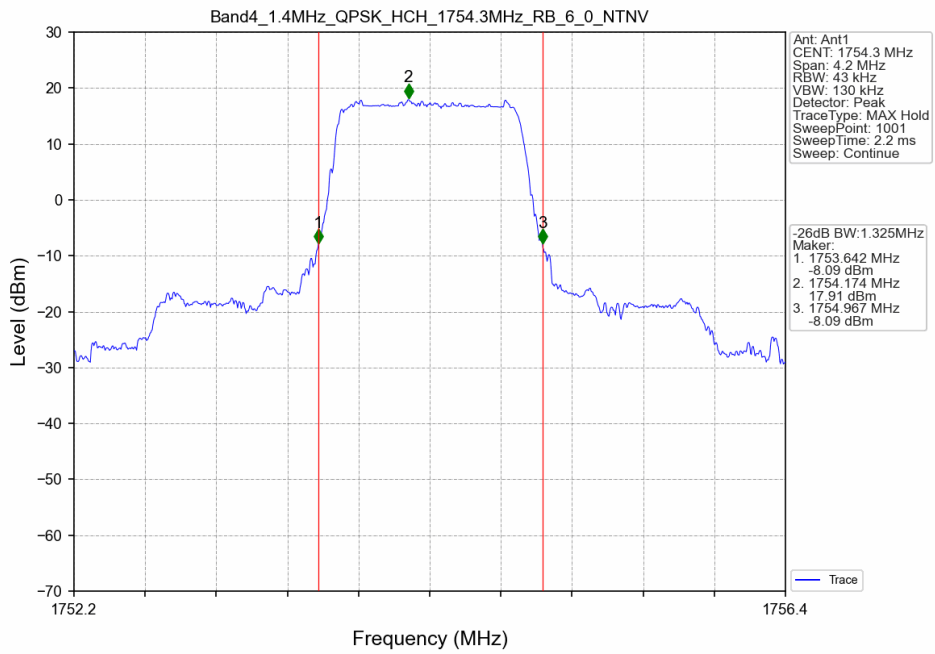
3.2.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.337	/	Pass
		1732.5	6	0	1.303	/	Pass
		1754.3	6	0	1.325	/	Pass
	16QAM	1710.7	6	0	1.315	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.320	/	Pass
3	QPSK	1711.5	15	0	3.048	/	Pass
		1732.5	15	0	3.041	/	Pass
		1753.5	15	0	3.052	/	Pass
	16QAM	1711.5	15	0	3.046	/	Pass
		1732.5	15	0	3.058	/	Pass
		1753.5	15	0	3.061	/	Pass
5	QPSK	1712.5	25	0	5.054	/	Pass
		1732.5	25	0	5.065	/	Pass
		1752.5	25	0	5.060	/	Pass
	16QAM	1712.5	25	0	5.056	/	Pass
		1732.5	25	0	5.067	/	Pass
		1752.5	25	0	5.115	/	Pass
10	QPSK	1715	50	0	10.075	/	Pass
		1732.5	50	0	10.040	/	Pass
		1750	50	0	10.043	/	Pass
	16QAM	1715	50	0	9.974	/	Pass
		1732.5	50	0	9.981	/	Pass
		1750	50	0	9.997	/	Pass
15	QPSK	1717.5	75	0	14.852	/	Pass
		1732.5	75	0	14.898	/	Pass
		1747.5	75	0	14.899	/	Pass
	16QAM	1717.5	75	0	14.932	/	Pass
		1732.5	75	0	14.999	/	Pass
		1747.5	75	0	14.875	/	Pass
20	QPSK	1720	100	0	19.643	/	Pass
		1732.5	100	0	19.812	/	Pass
		1745	100	0	19.930	/	Pass
	16QAM	1720	100	0	19.758	/	Pass
		1732.5	100	0	19.757	/	Pass
		1745	100	0	19.879	/	Pass

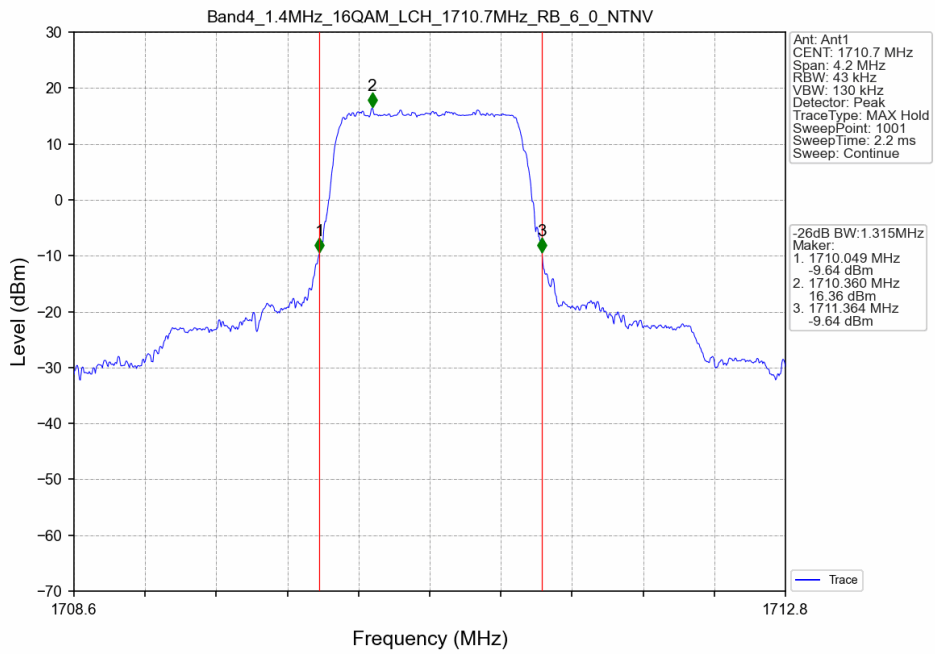
3.2.2 Test Graph



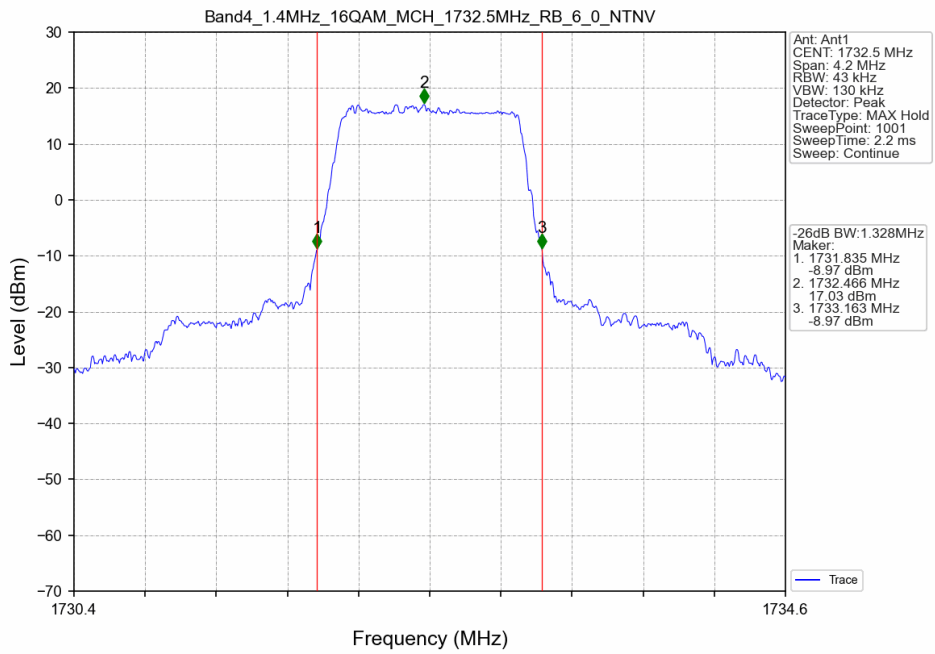
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



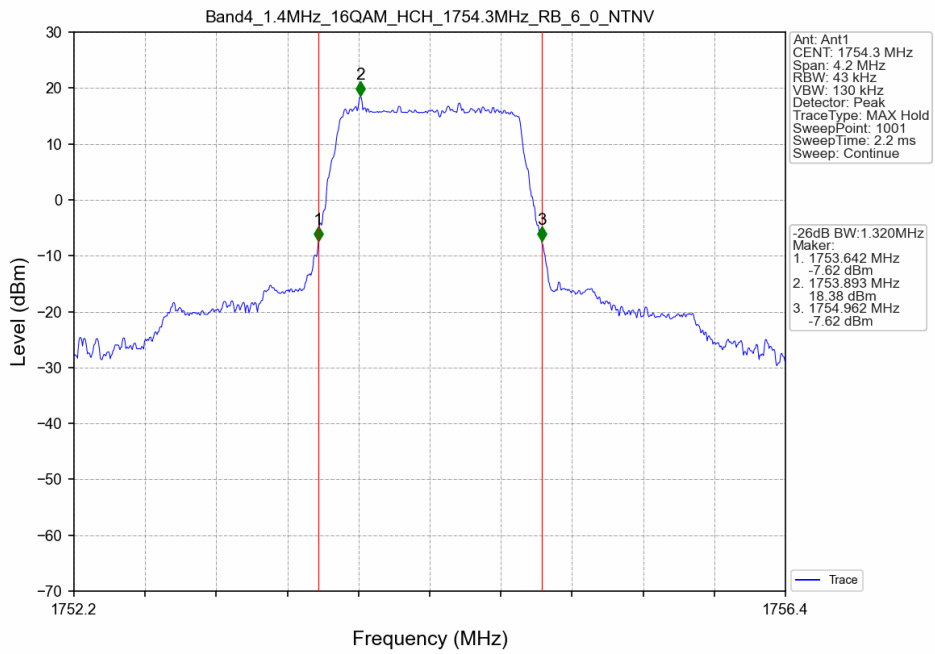
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



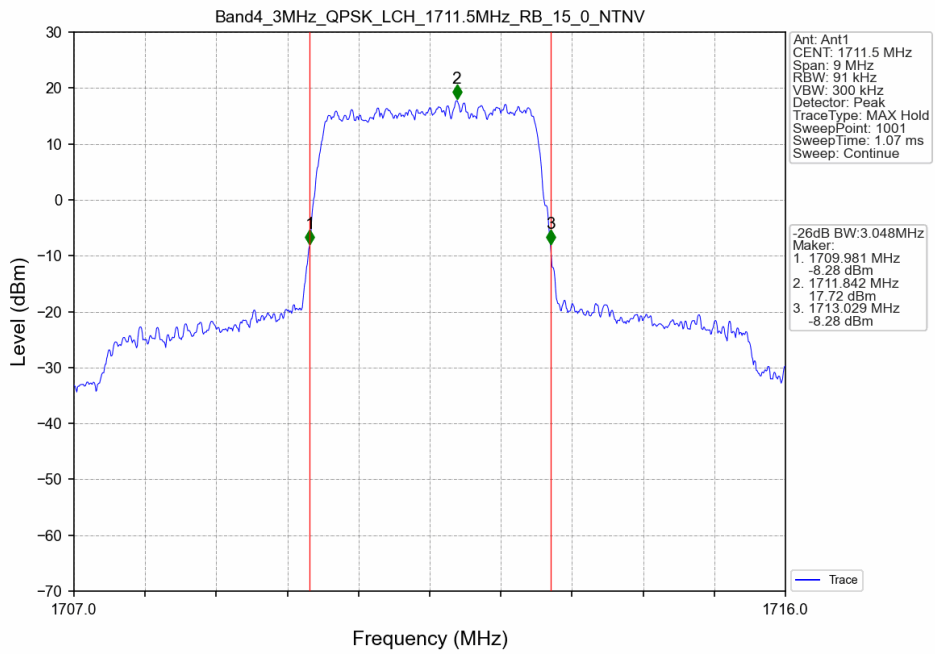
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



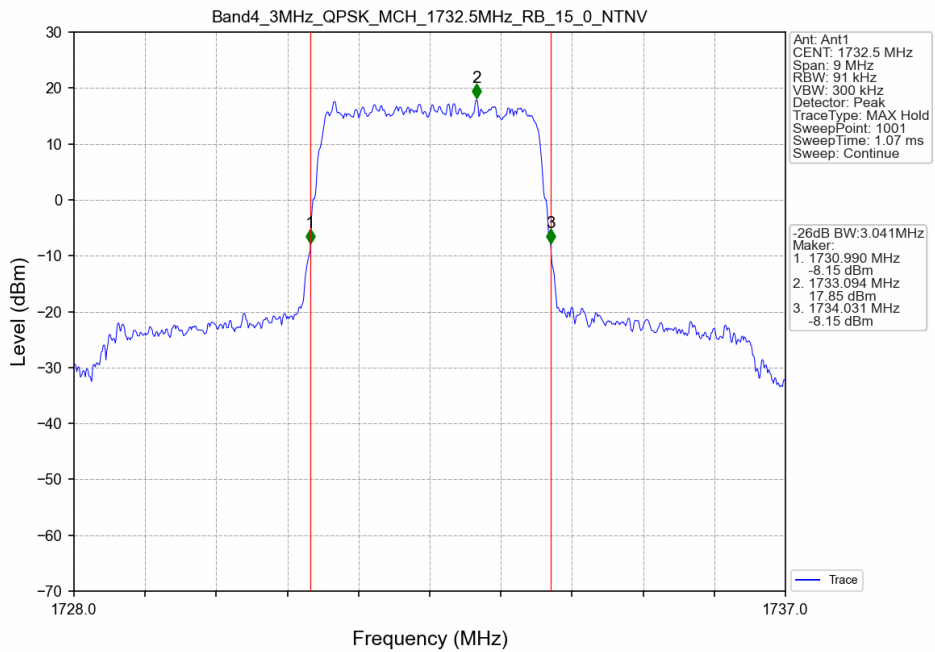
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



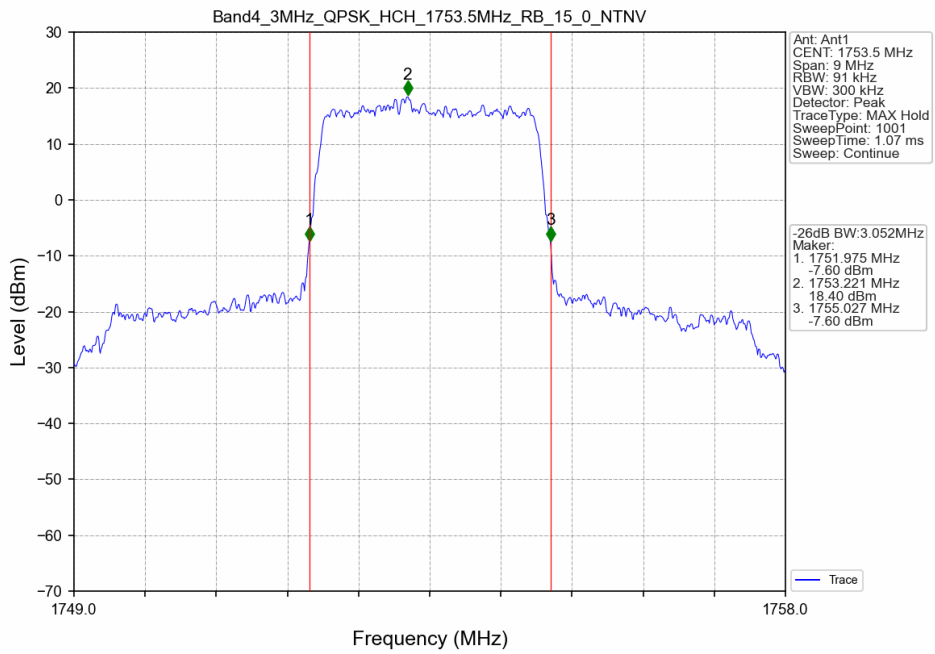
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



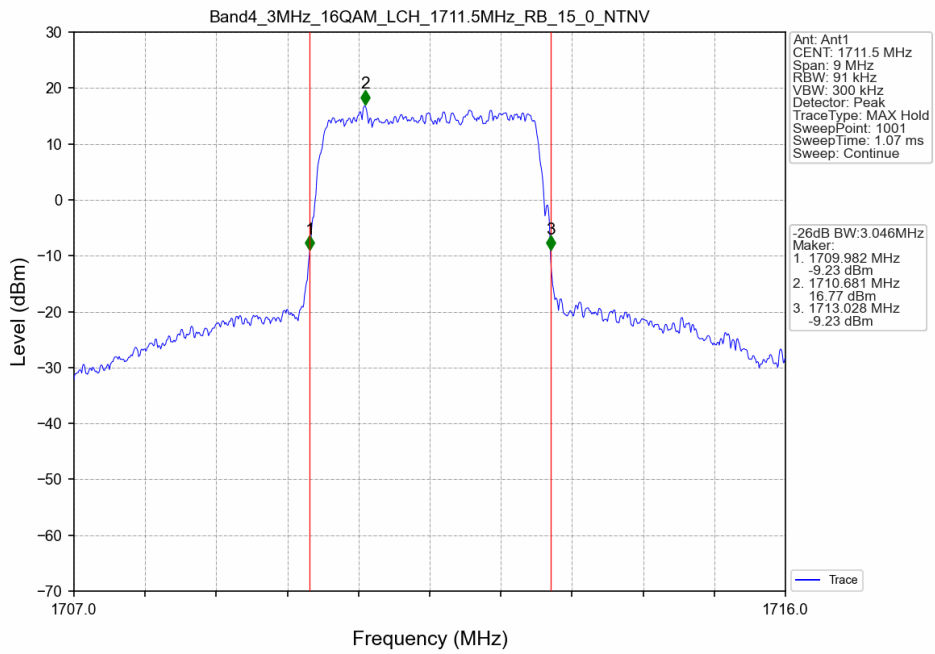
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



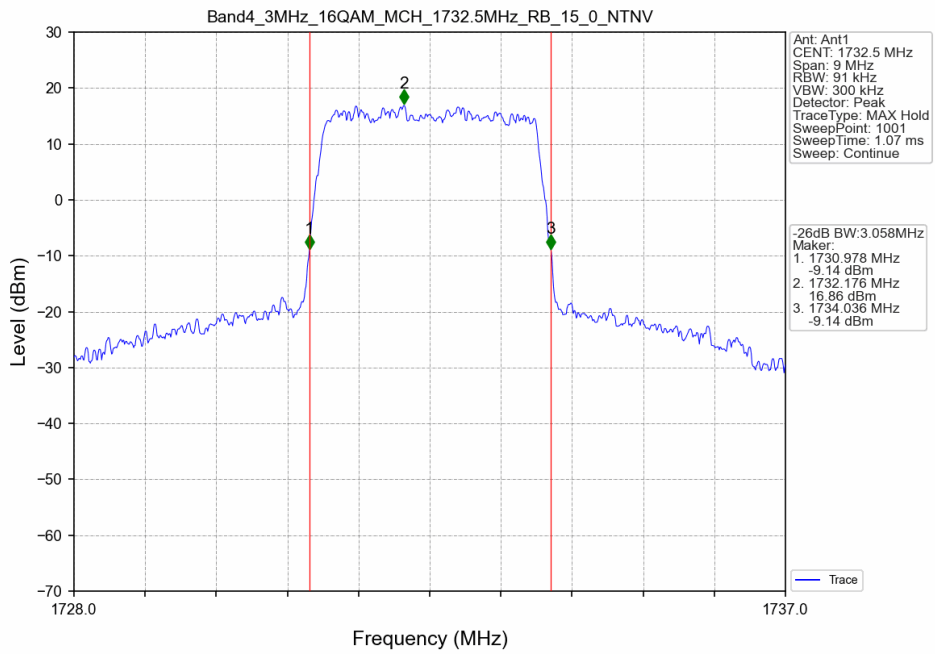
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



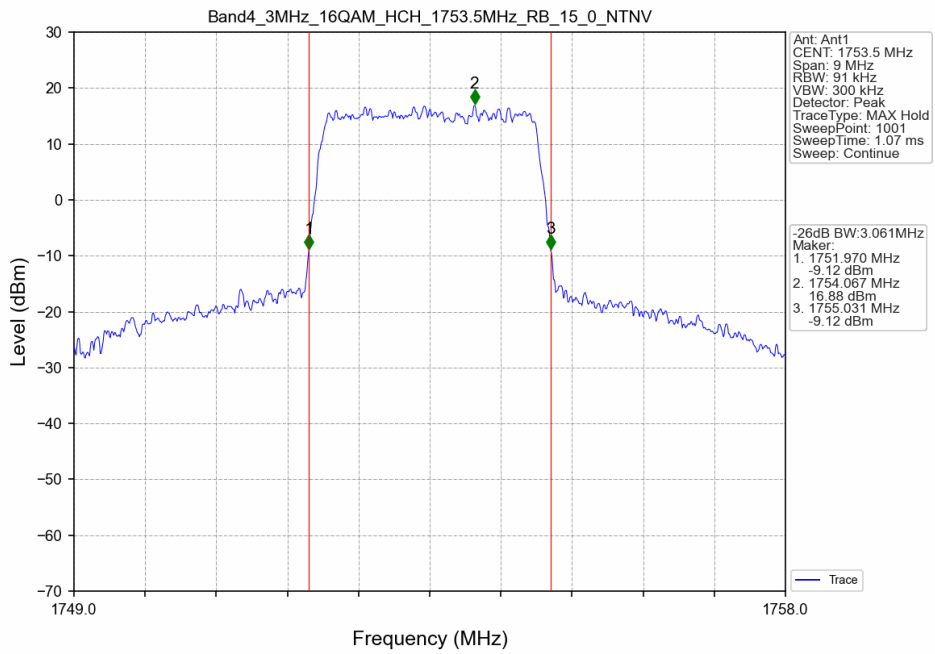
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



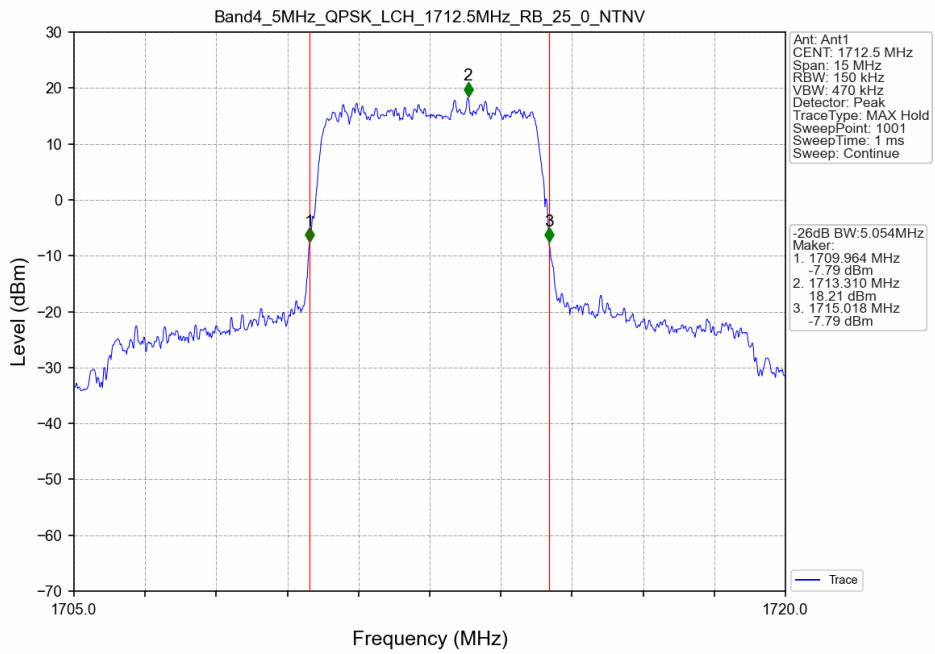
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



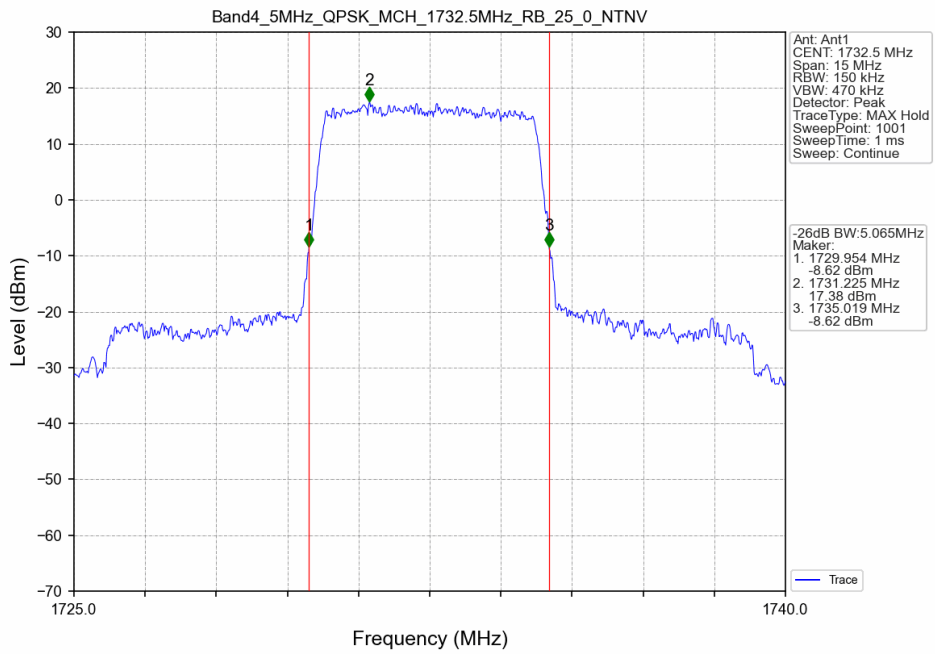
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



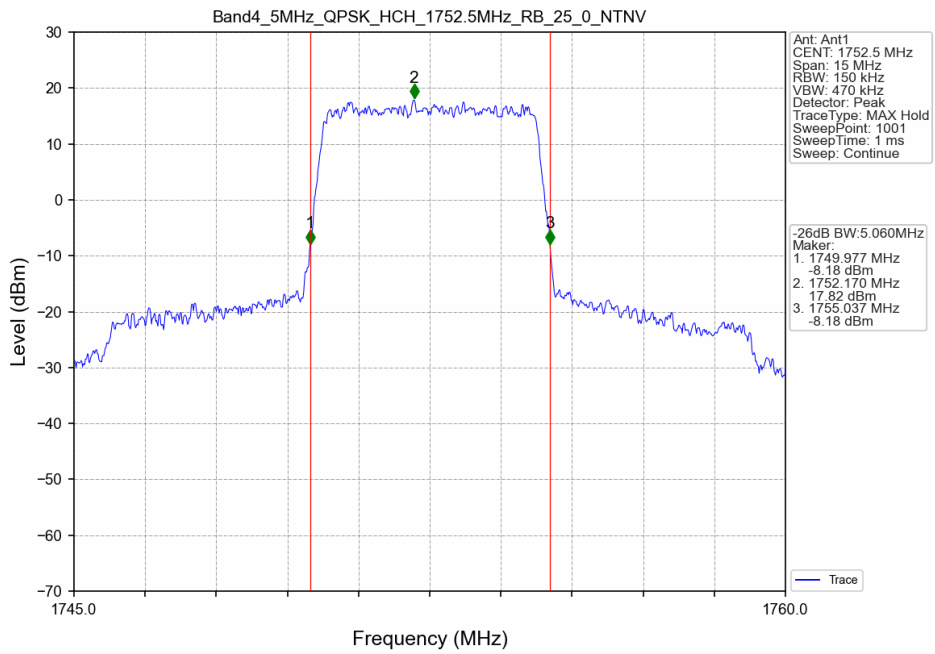
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



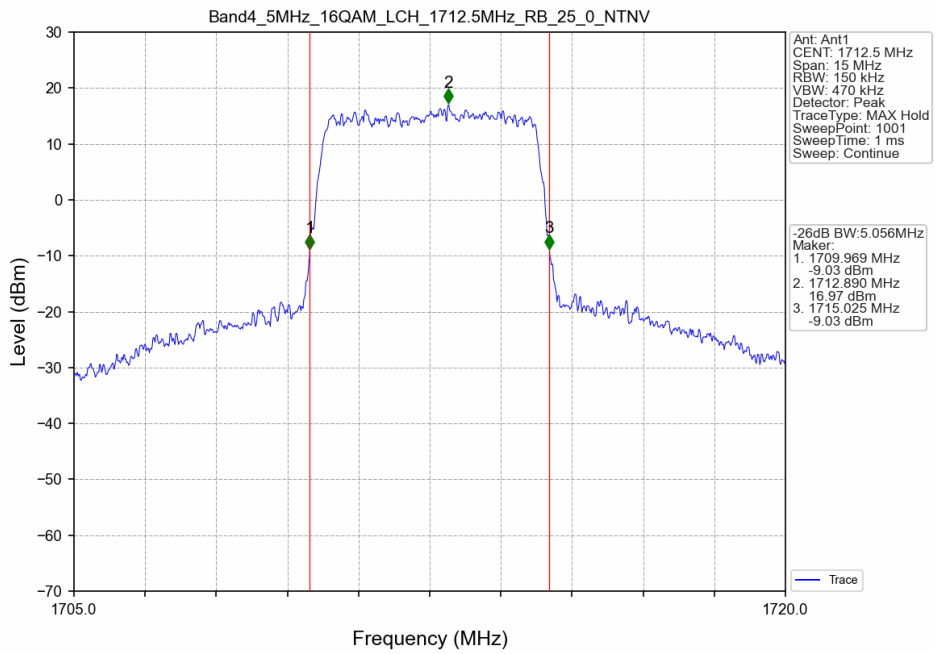
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



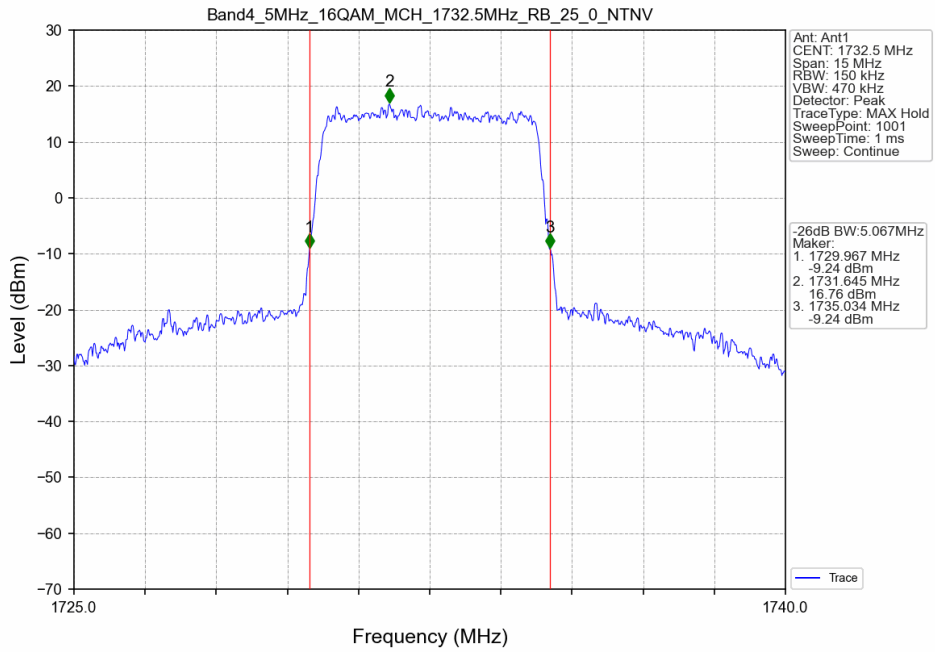
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



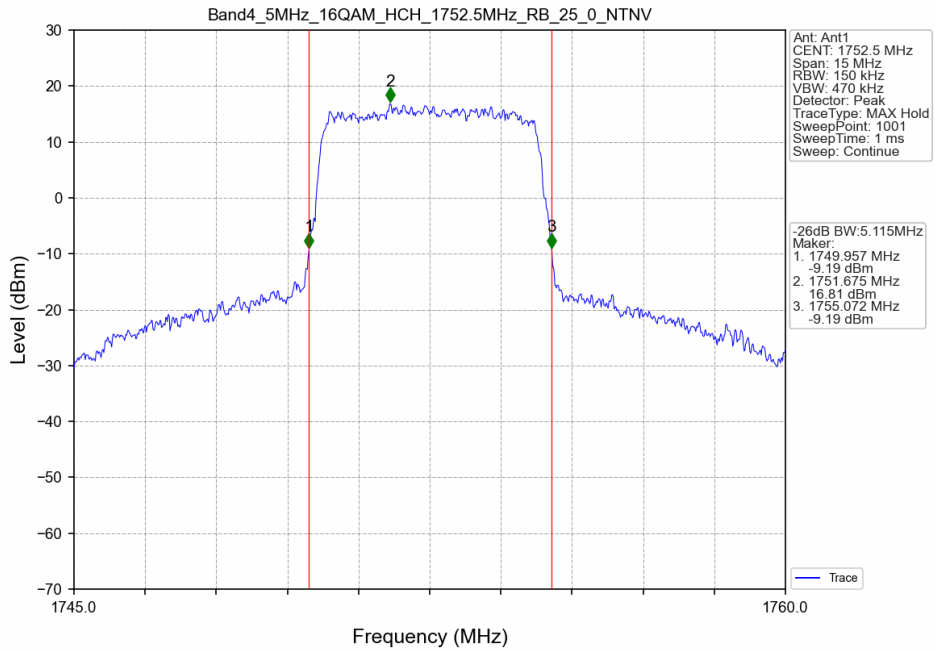
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



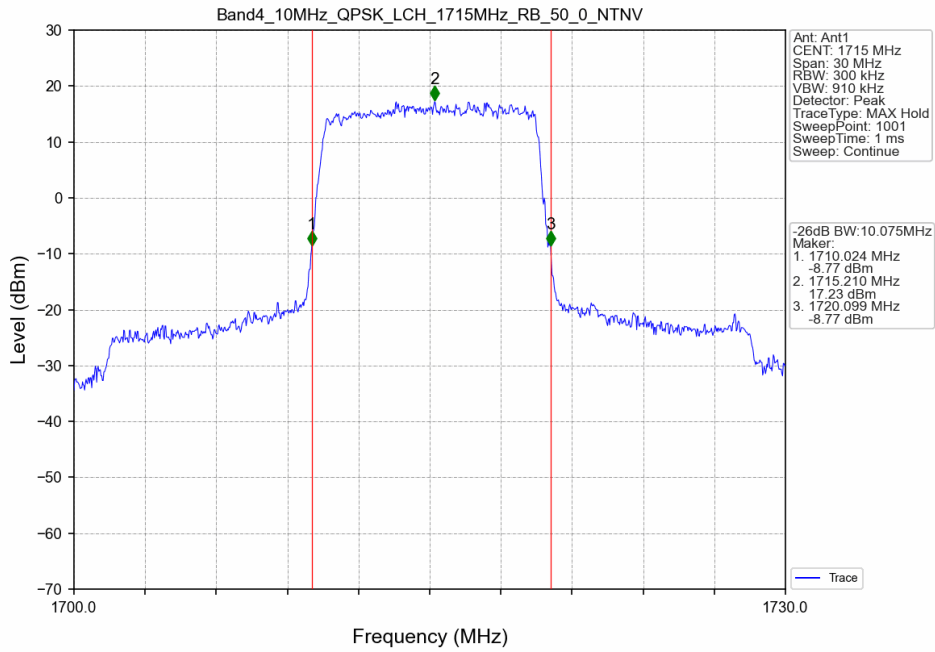
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



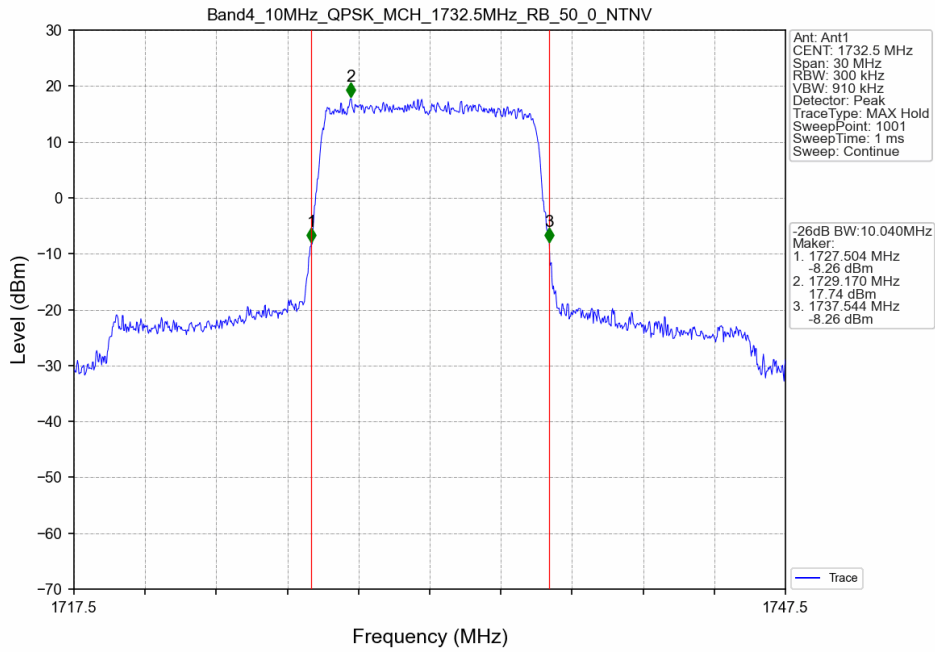
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



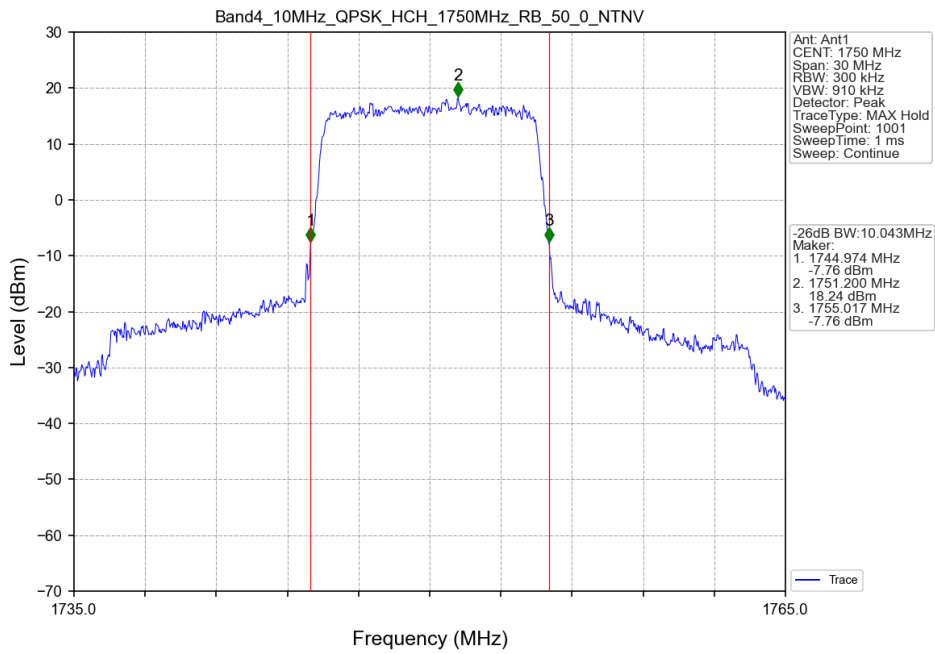
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



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

