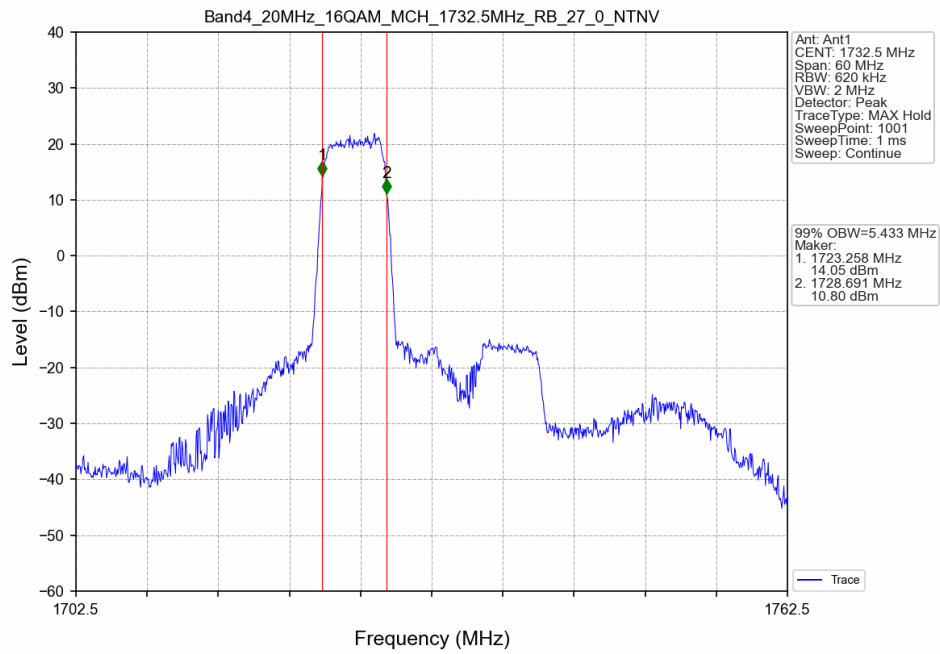
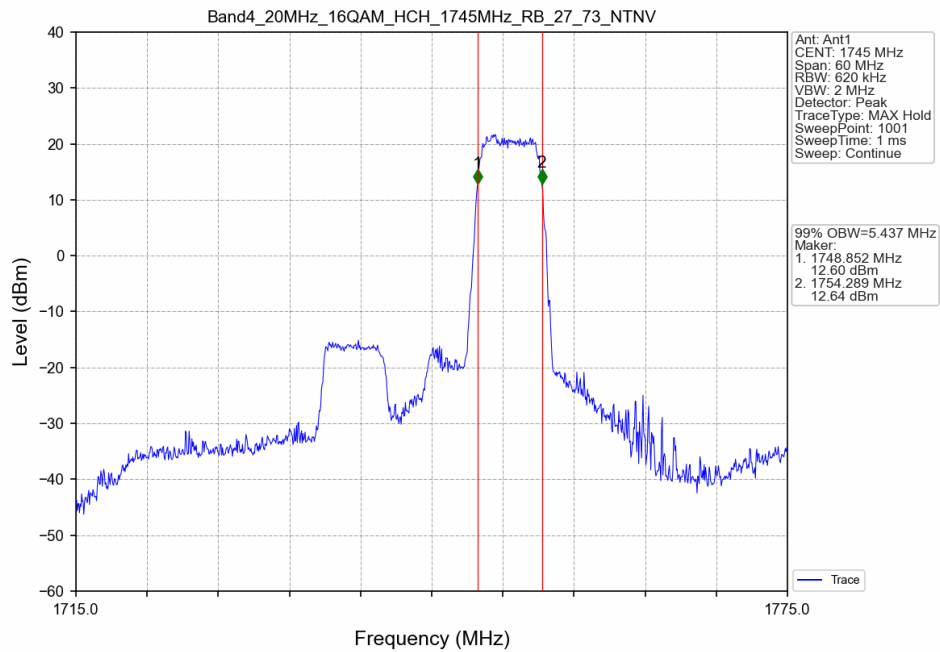


Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTV

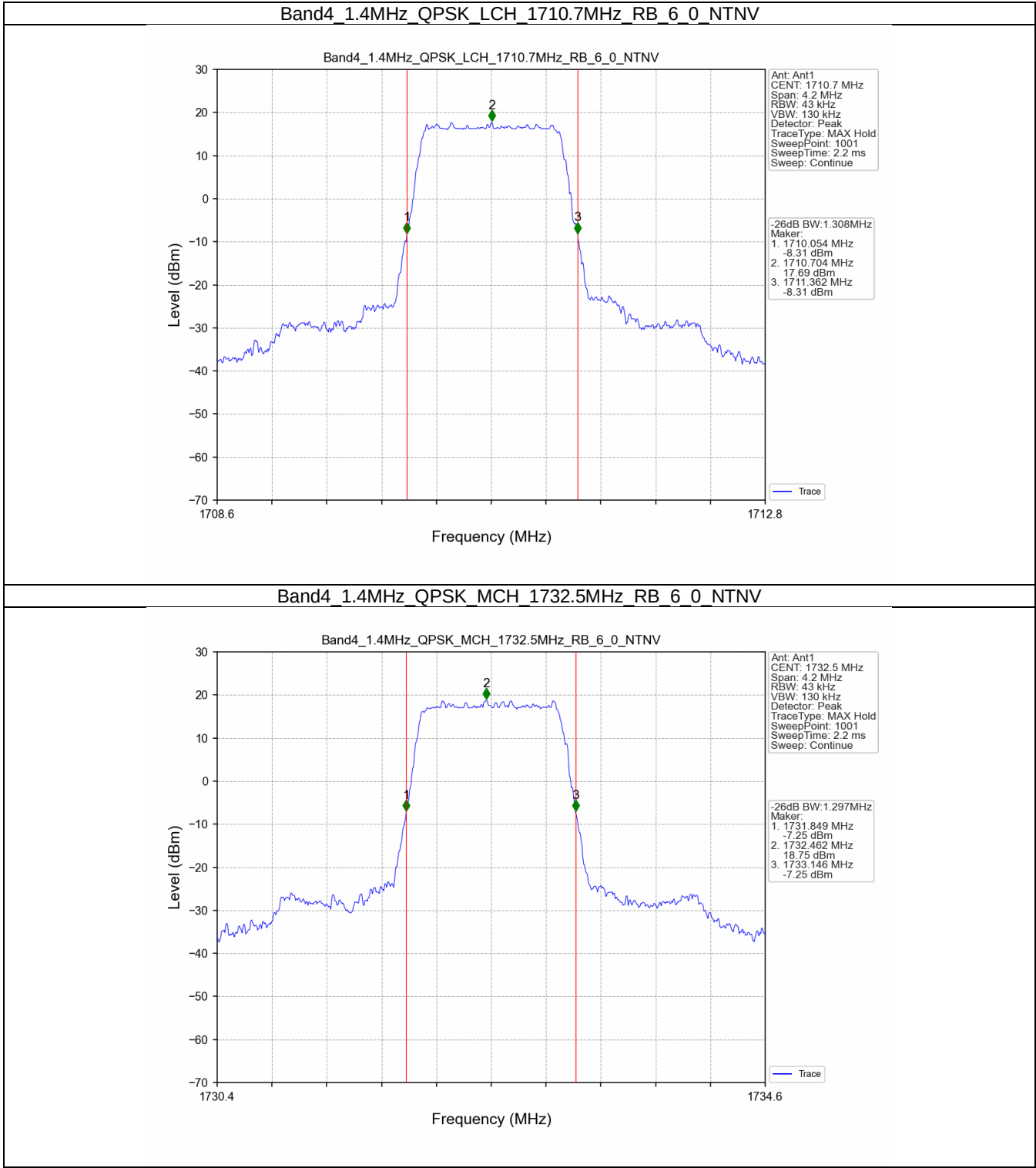


9.2 Band4_XDB

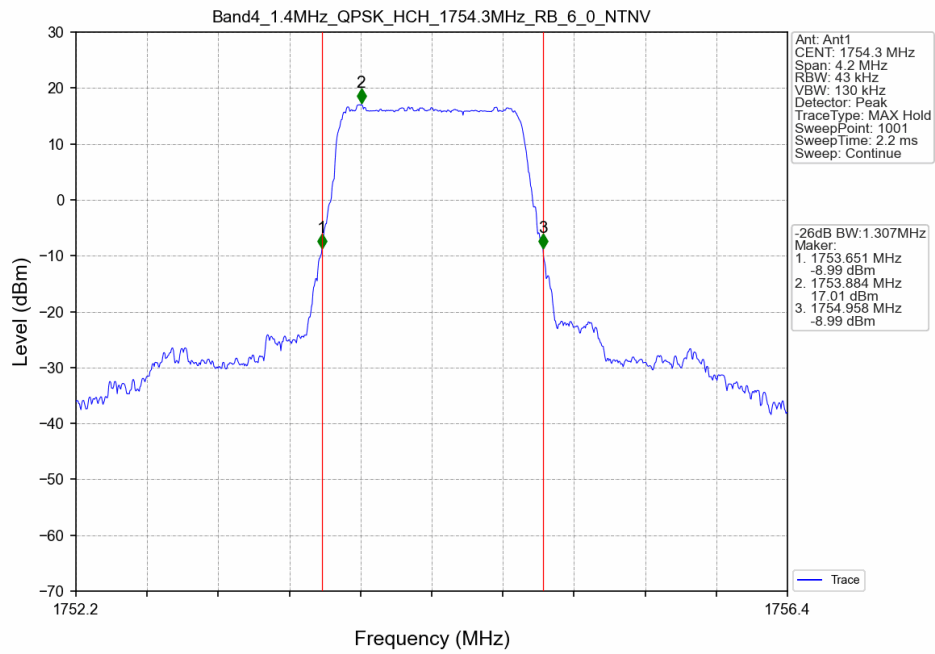
9.2.1 Test Result

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	1.308	/	Pass
		1732.5	6	0	1.297	/	Pass
		1754.3	6	0	1.307	/	Pass
	16QAM	1710.7	6	0	1.290	/	Pass
		1732.5	6	0	1.311	/	Pass
		1754.3	6	0	1.294	/	Pass
3	QPSK	1711.5	15	0	3.006	/	Pass
		1732.5	15	0	3.024	/	Pass
		1753.5	15	0	3.014	/	Pass
	16QAM	1711.5	15	0	3.017	/	Pass
		1732.5	15	0	3.031	/	Pass
		1753.5	15	0	3.012	/	Pass
5	QPSK	1712.5	25	0	5.051	/	Pass
		1732.5	25	0	5.035	/	Pass
		1752.5	25	0	5.031	/	Pass
	16QAM	1712.5	25	0	5.026	/	Pass
		1732.5	25	0	5.039	/	Pass
		1752.5	25	0	5.032	/	Pass
10	QPSK	1715	50	0	9.962	/	Pass
		1732.5	50	0	9.884	/	Pass
		1750	50	0	9.887	/	Pass
	16QAM	1715	27	0	5.843	/	Pass
		1732.5	27	0	5.788	/	Pass
		1750	27	23	5.795	/	Pass
15	QPSK	1717.5	75	0	14.697	/	Pass
		1732.5	75	0	14.759	/	Pass
		1747.5	75	0	14.731	/	Pass
	16QAM	1717.5	27	0	6.185	/	Pass
		1732.5	27	0	6.133	/	Pass
		1747.5	27	48	6.250	/	Pass
20	QPSK	1720	100	0	19.605	/	Pass
		1732.5	100	0	19.534	/	Pass
		1745	100	0	19.500	/	Pass
	16QAM	1720	27	0	6.439	/	Pass
		1732.5	27	0	6.435	/	Pass
		1745	27	73	6.386	/	Pass

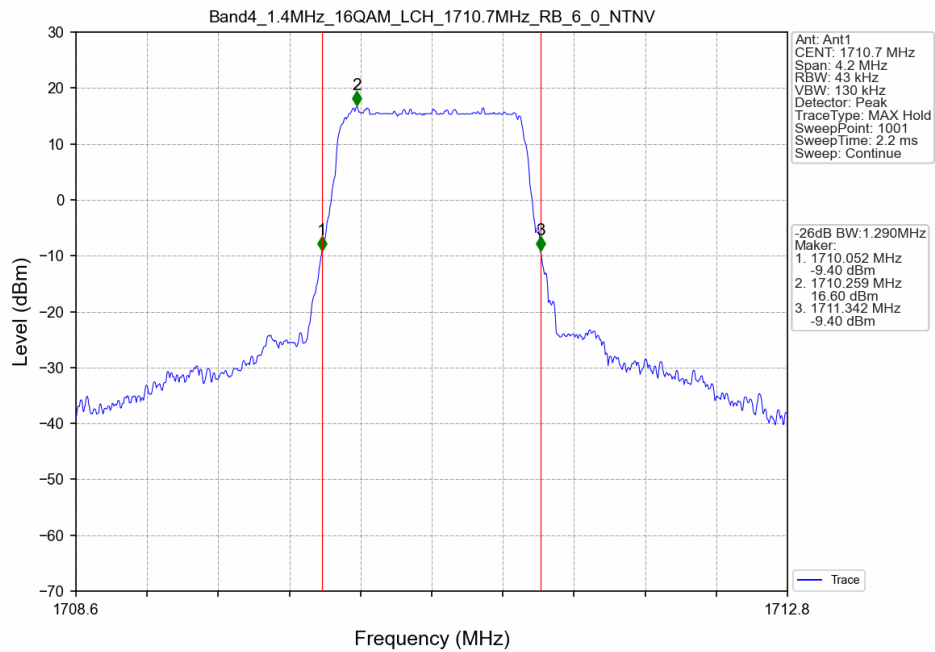
9.2.2 Test Graph



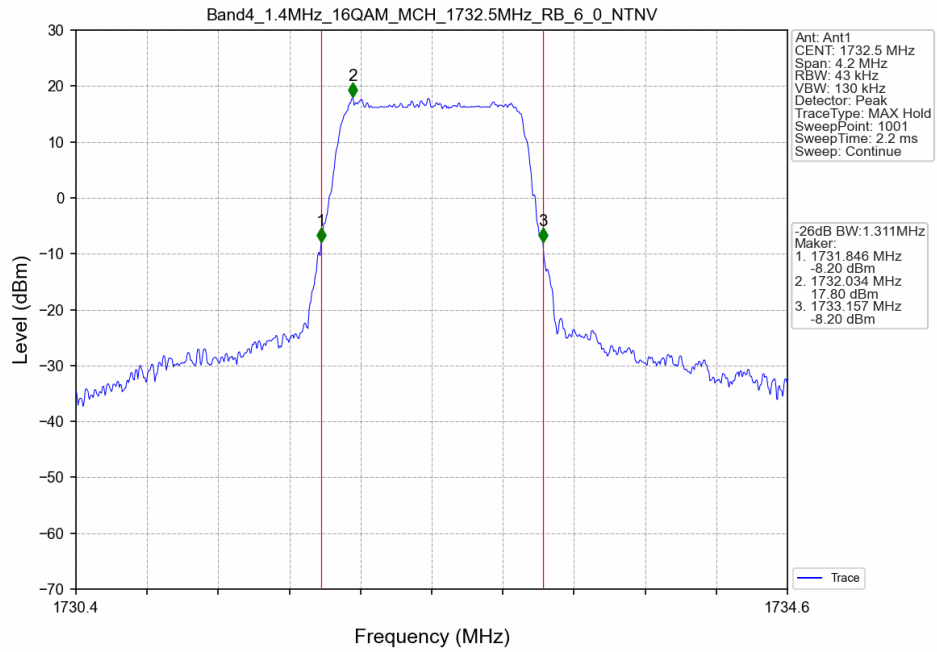
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



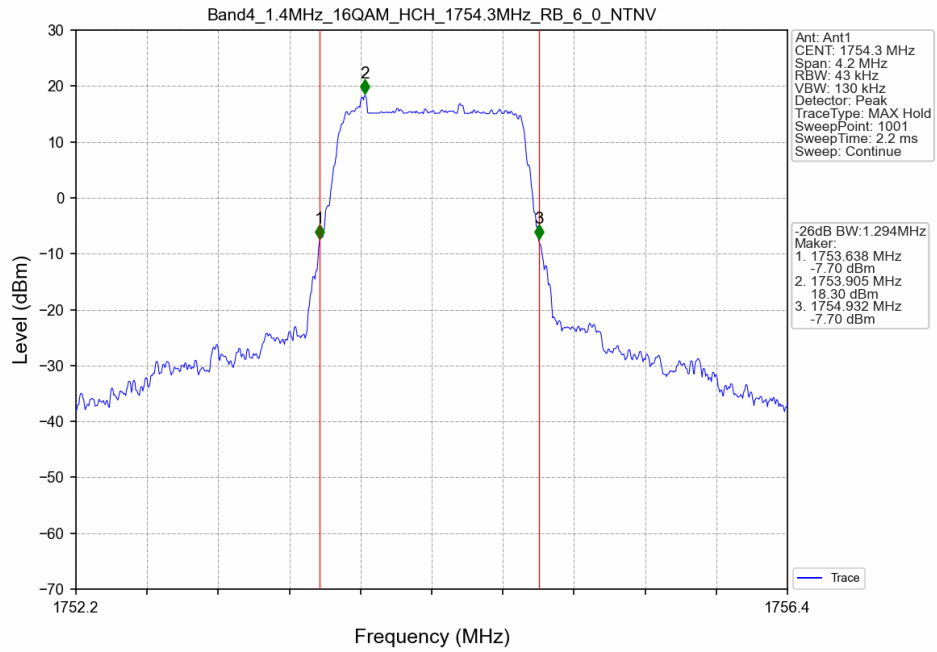
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



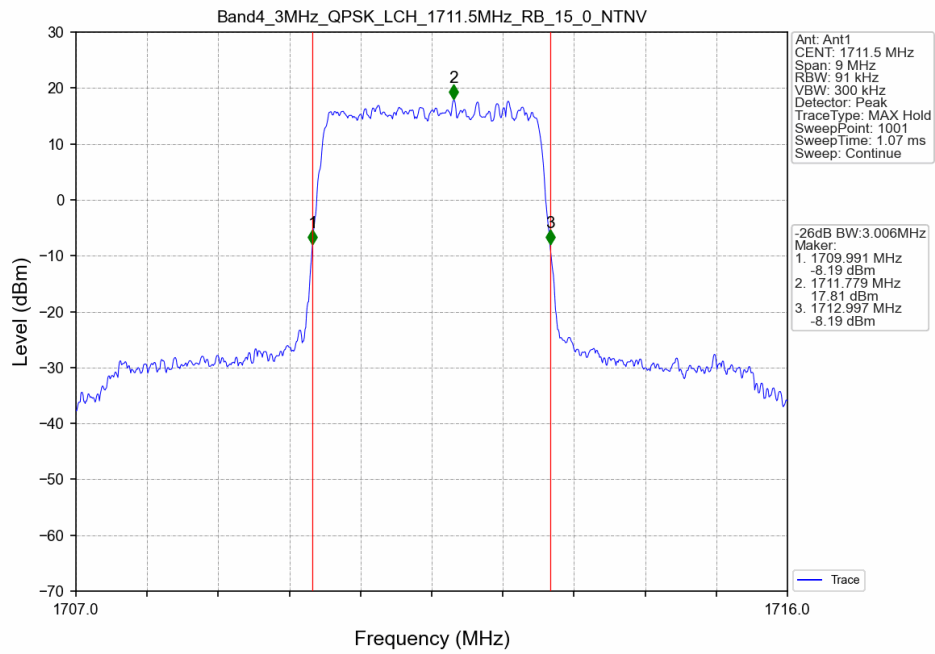
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTV



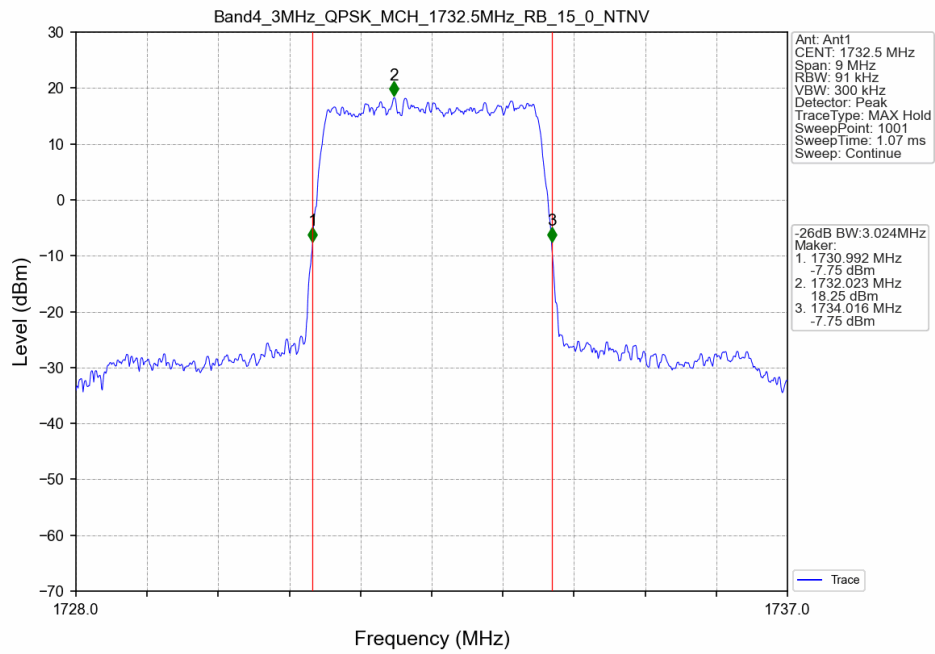
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTV



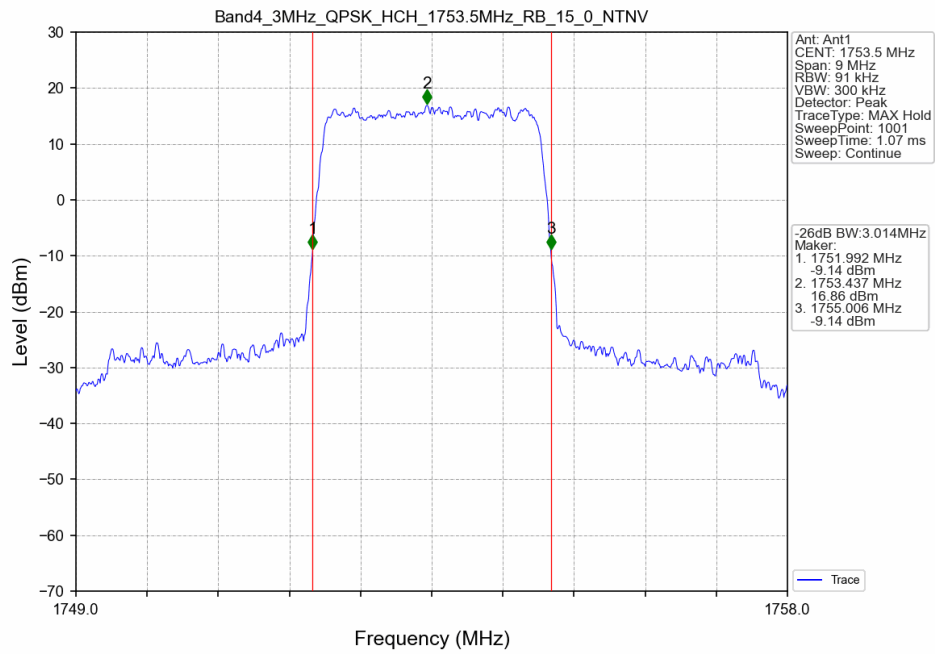
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



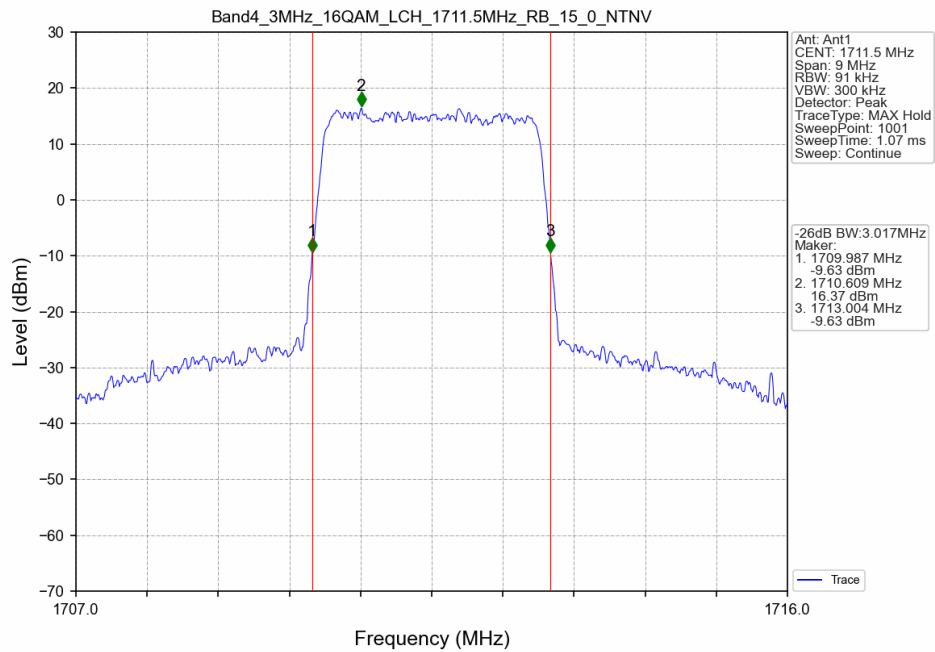
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



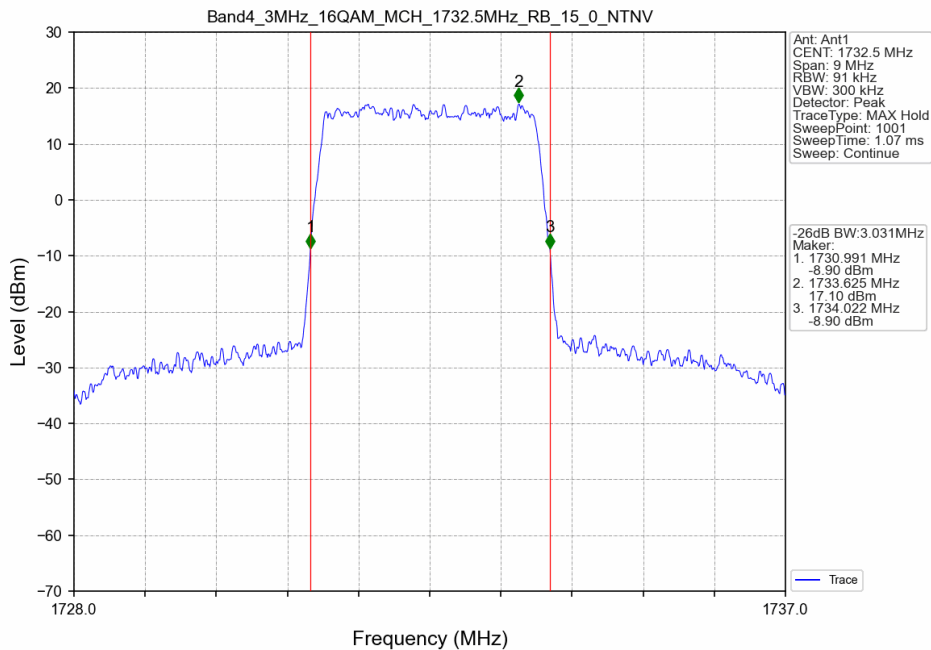
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



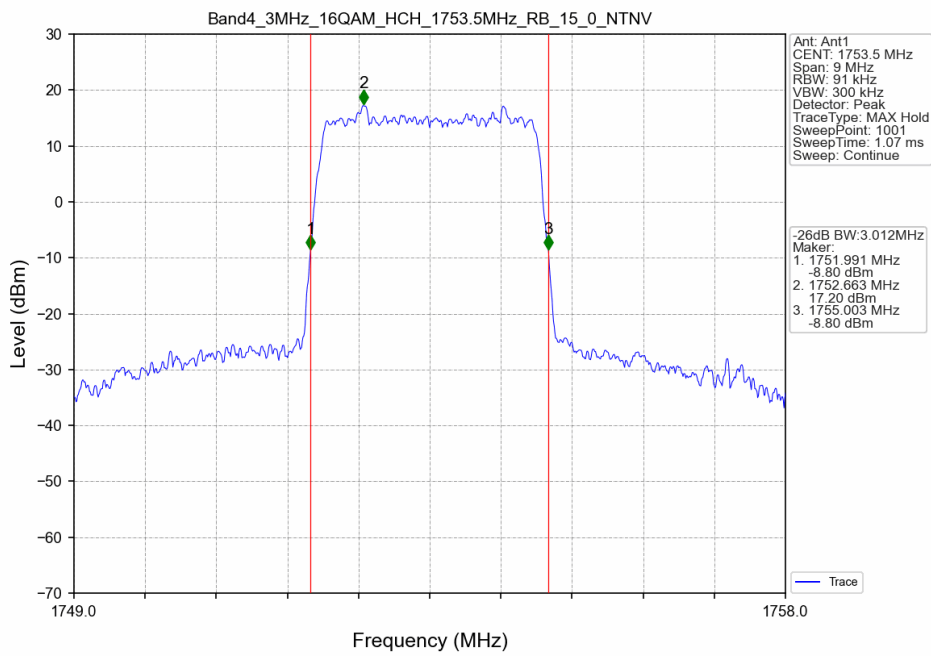
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



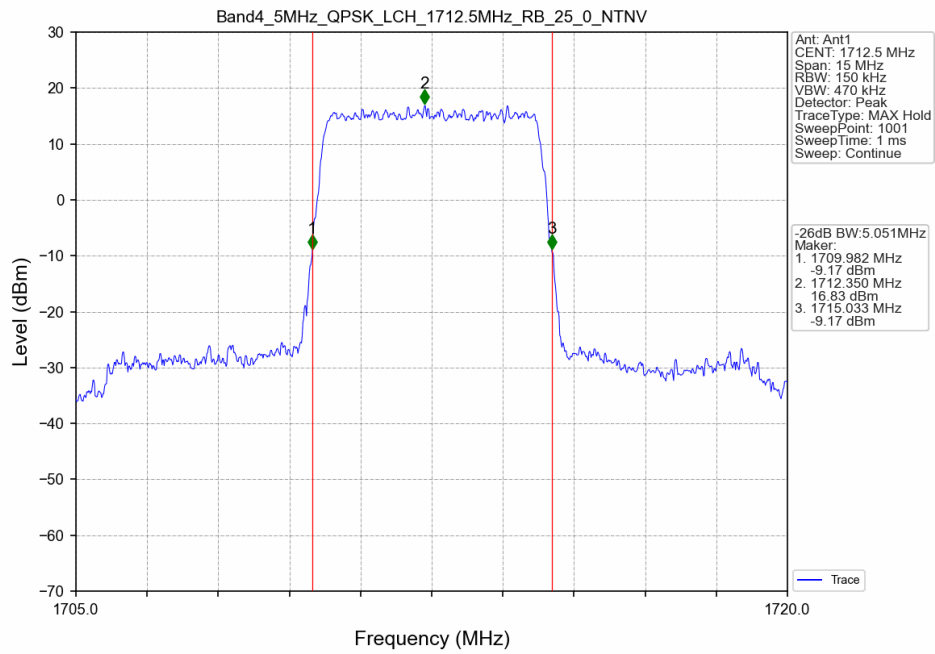
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



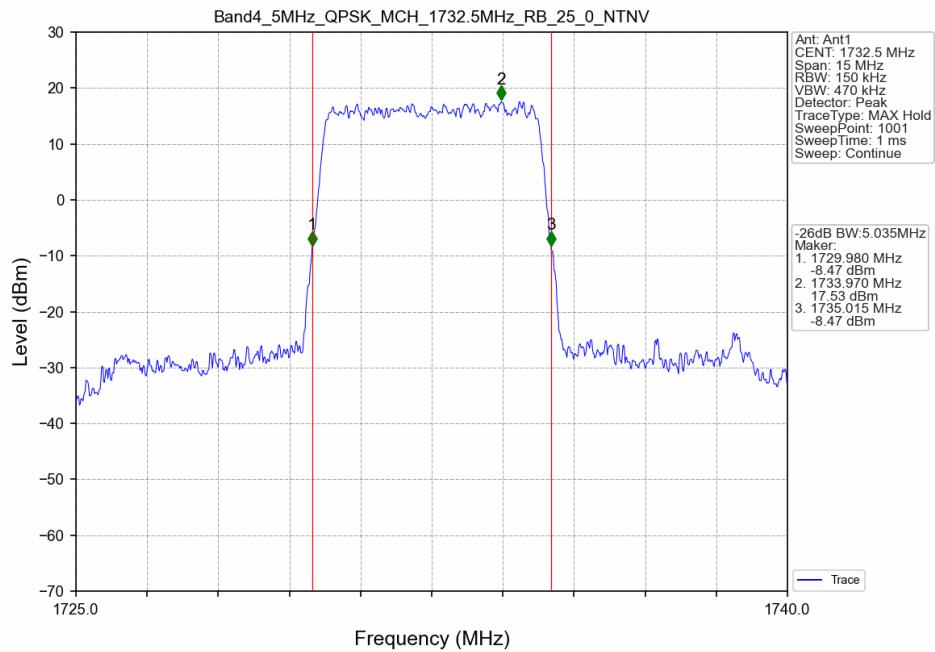
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTV



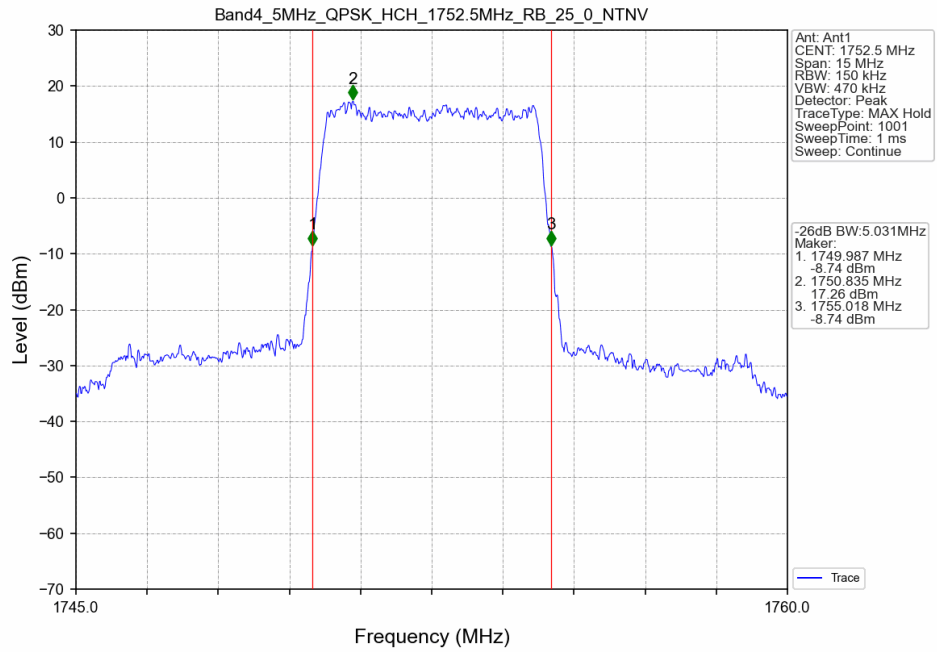
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



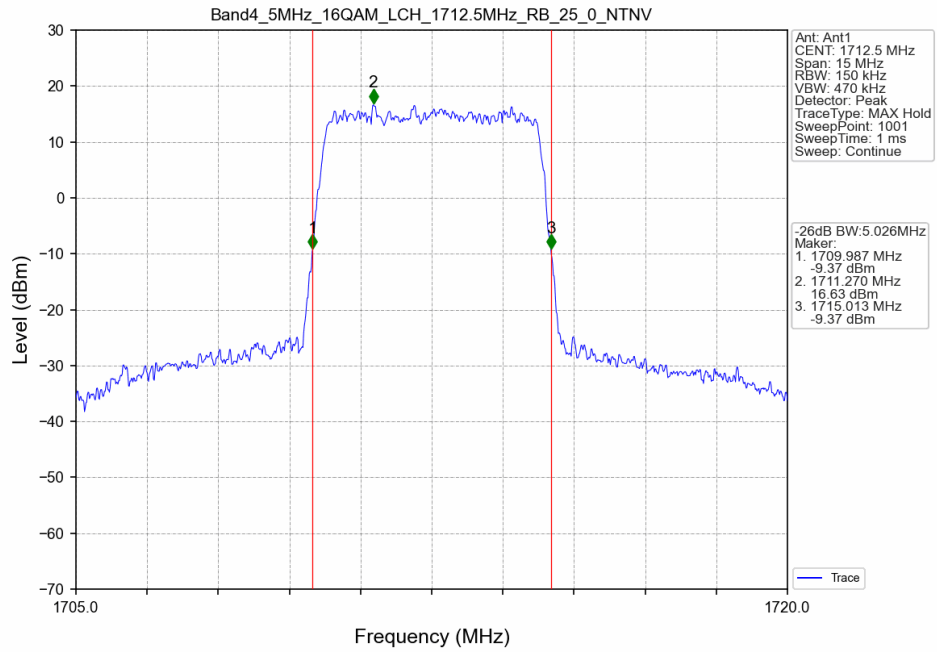
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



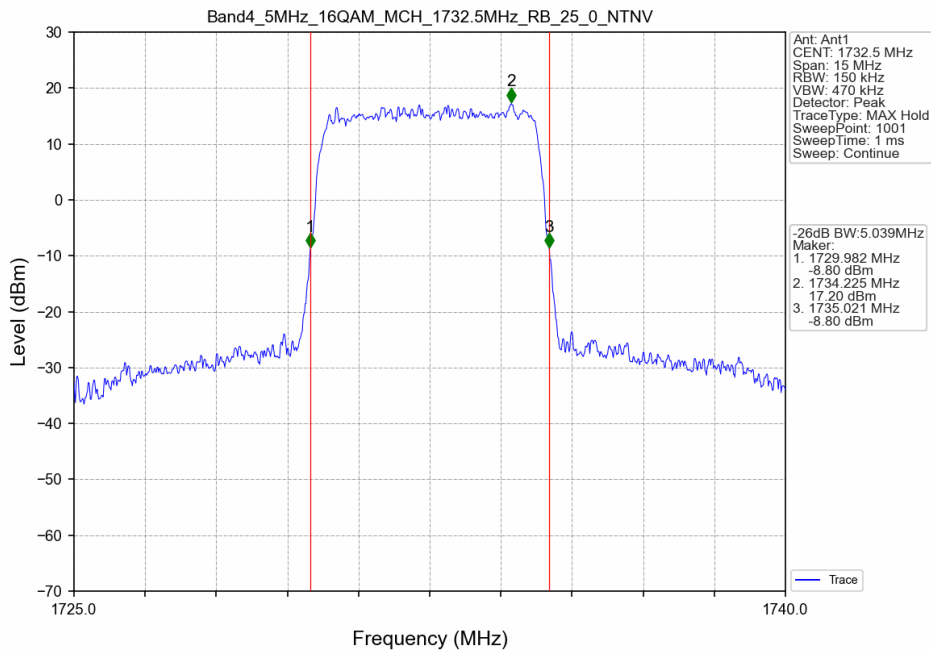
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



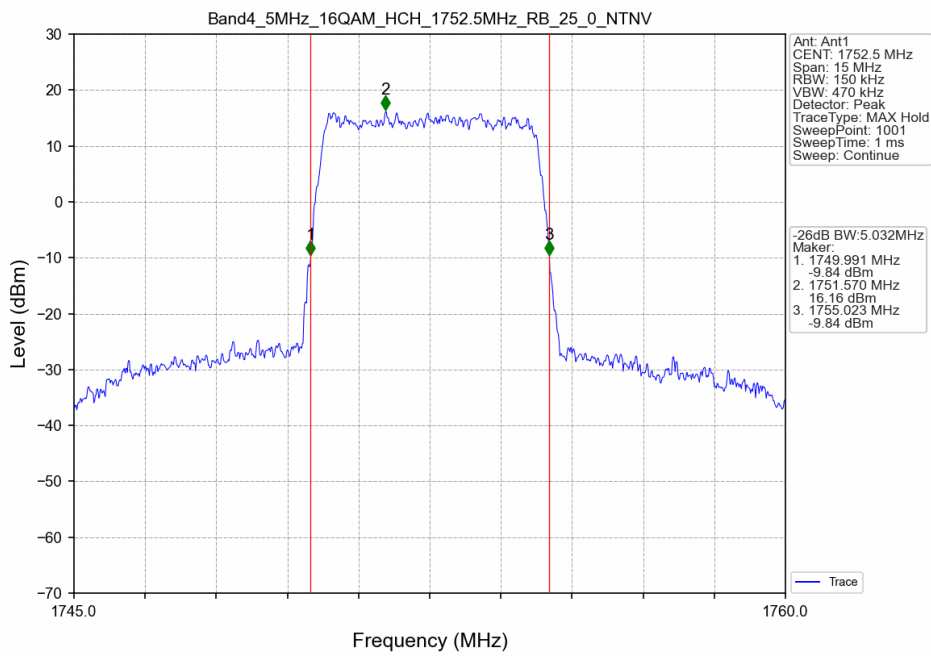
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



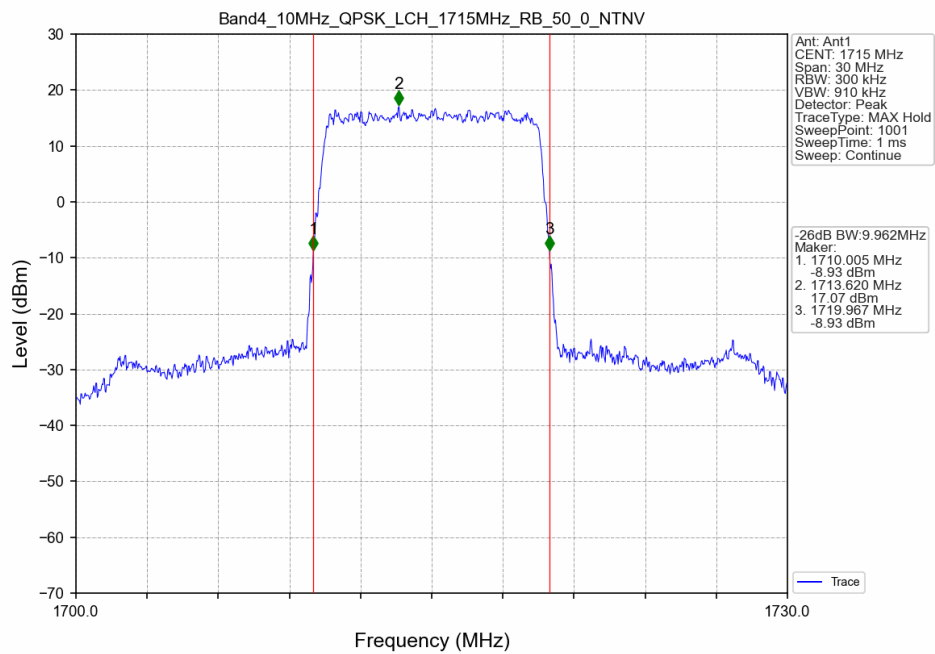
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



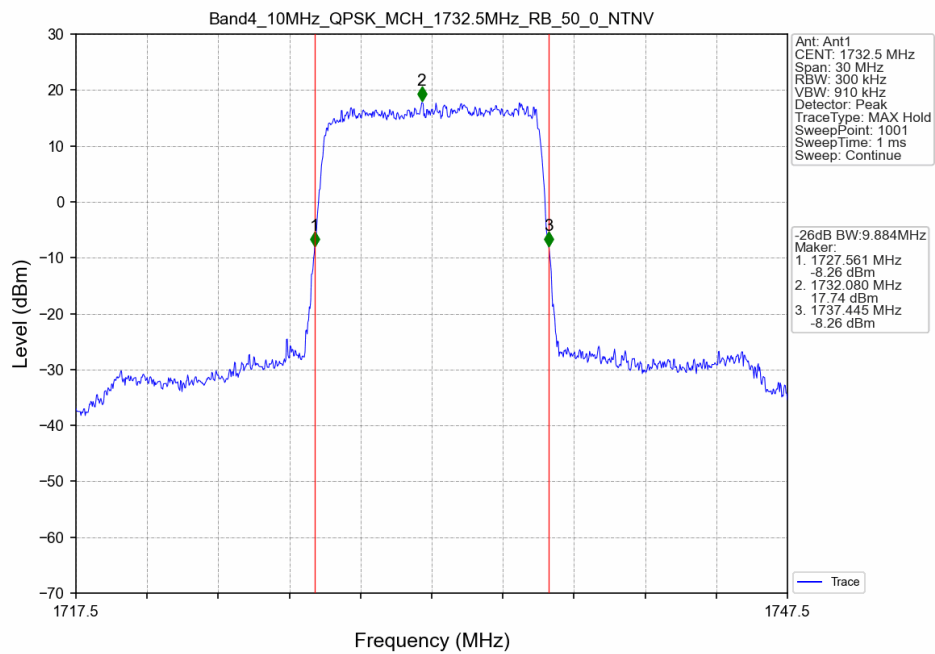
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTV



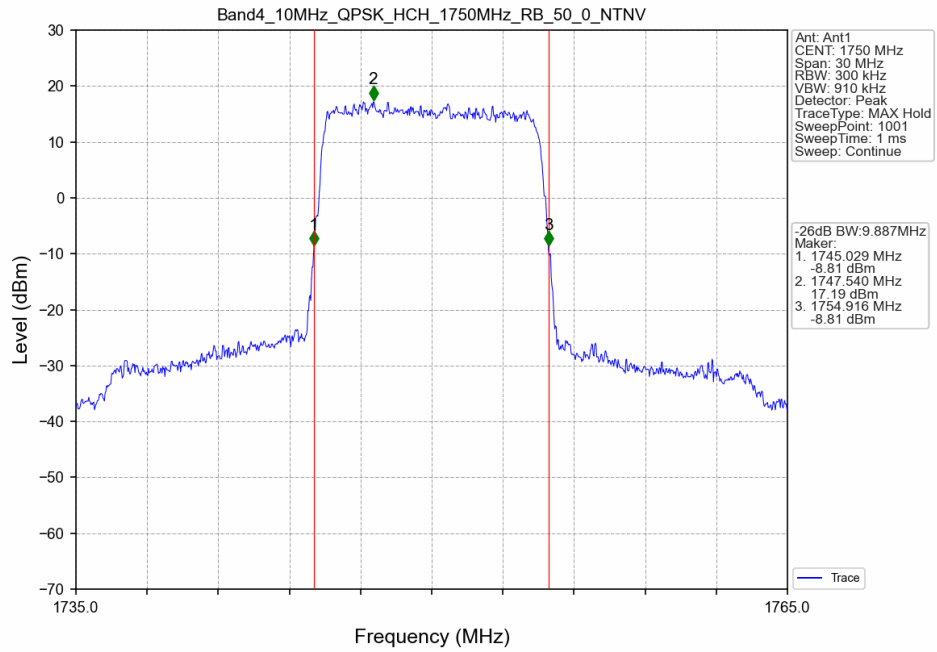
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



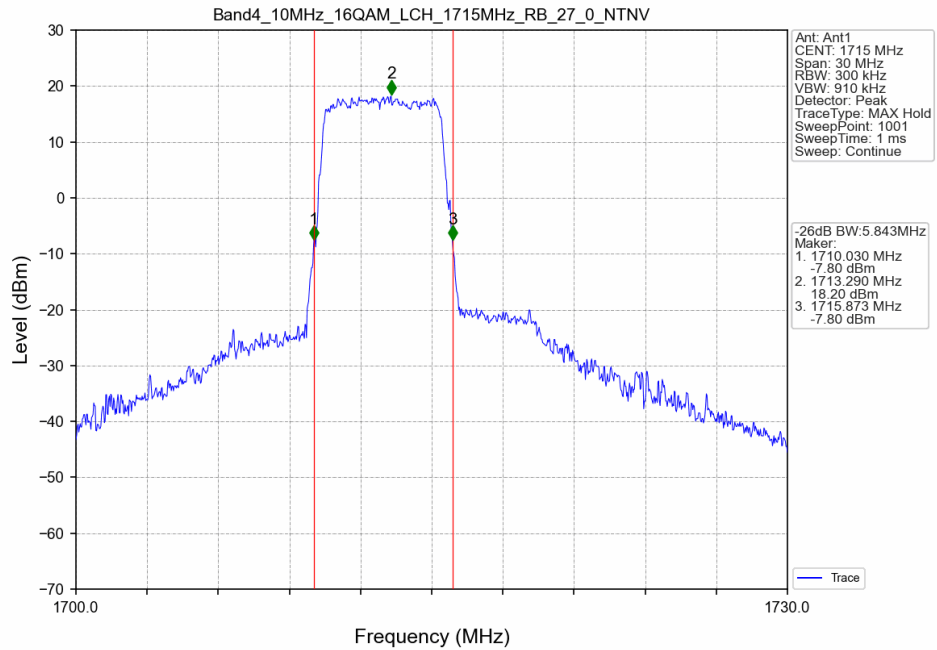
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



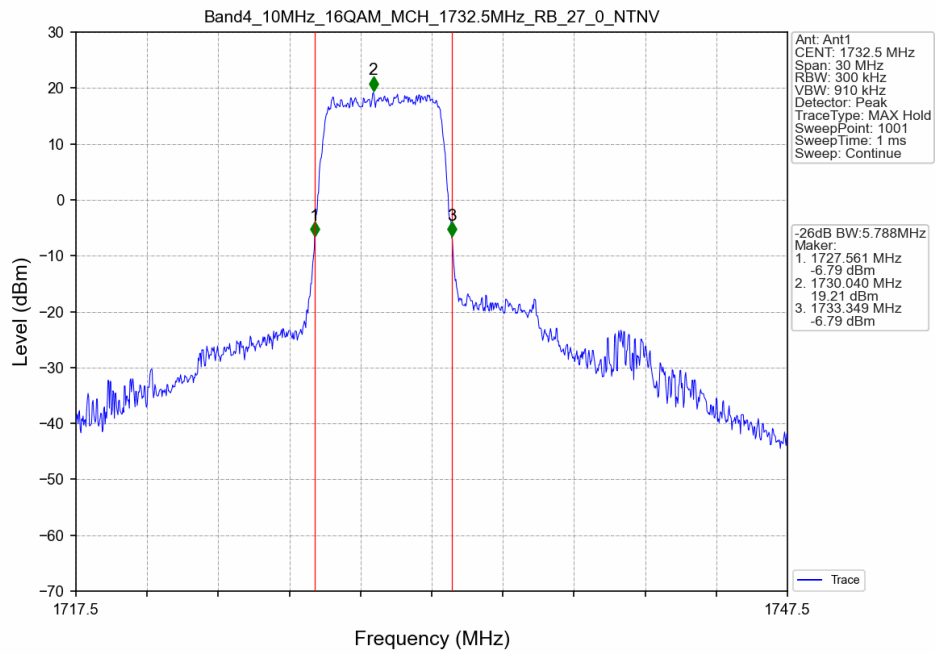
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



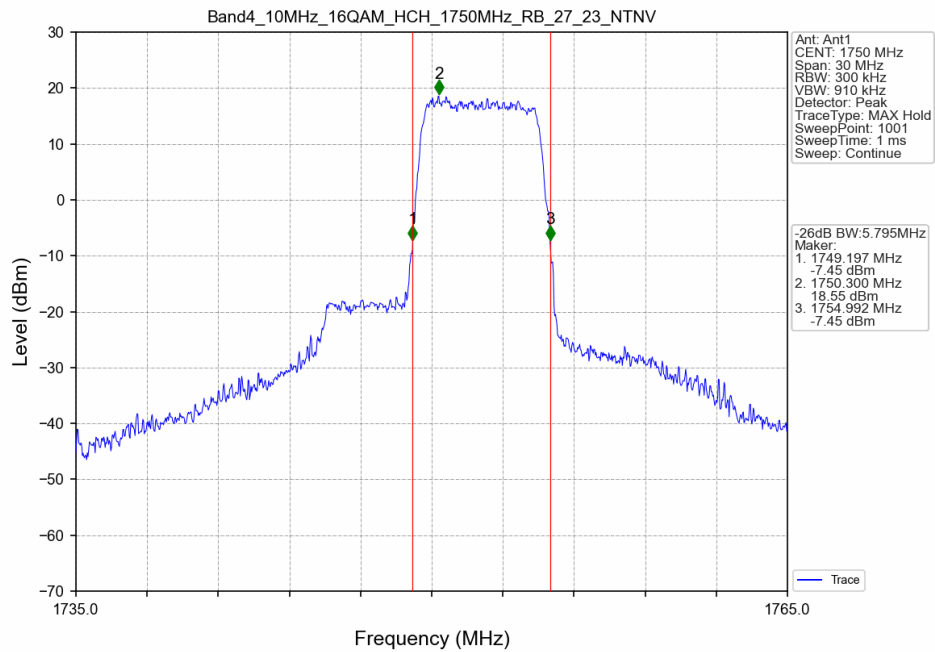
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



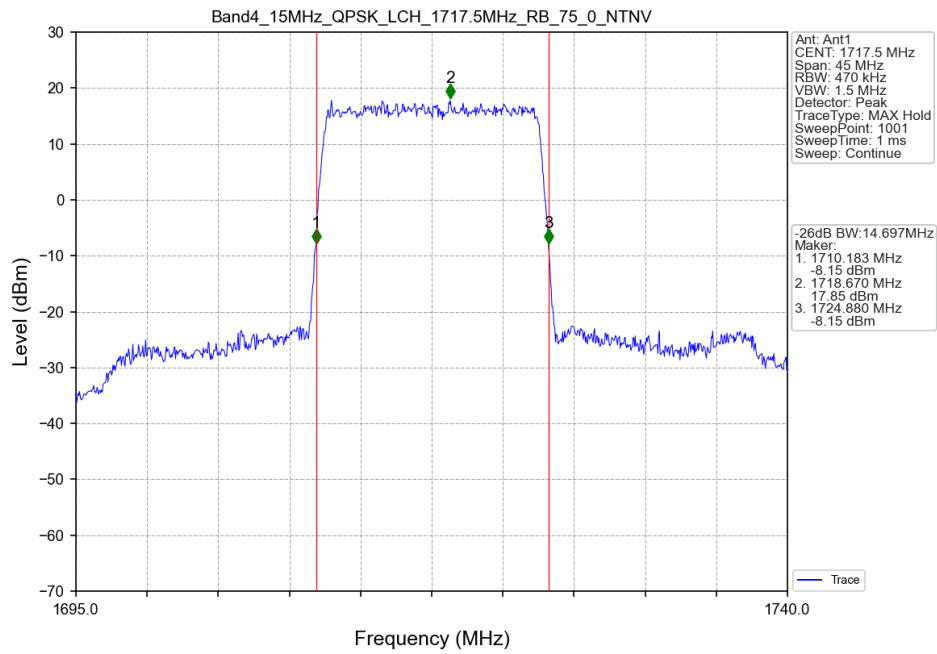
Band4 10MHz 16QAM MCH 1732.5MHz RB 27 0 NTV



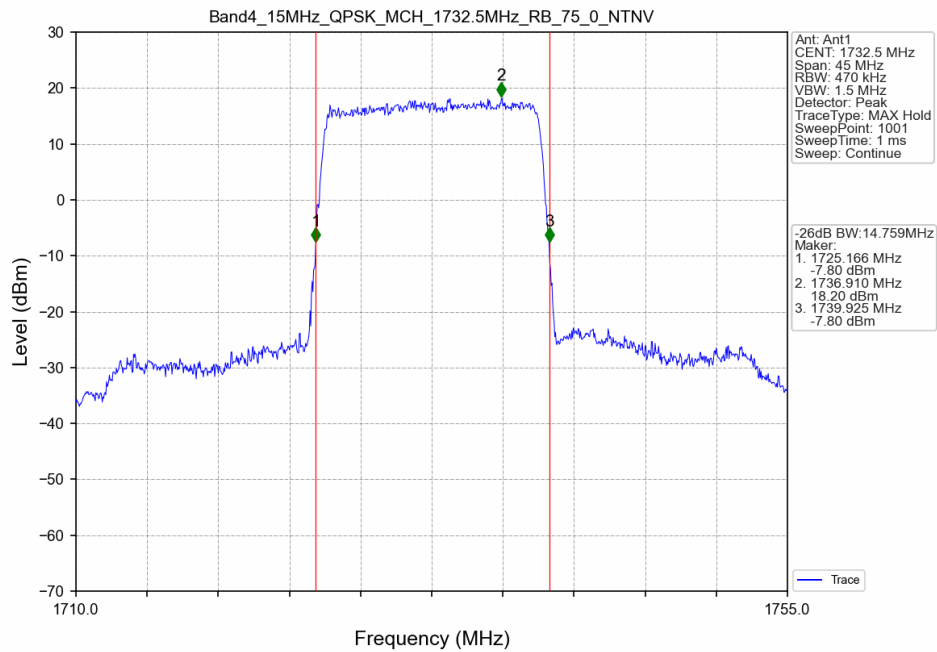
Band4 10MHz 16QAM HCH 1750MHz RB 27 23 NTV



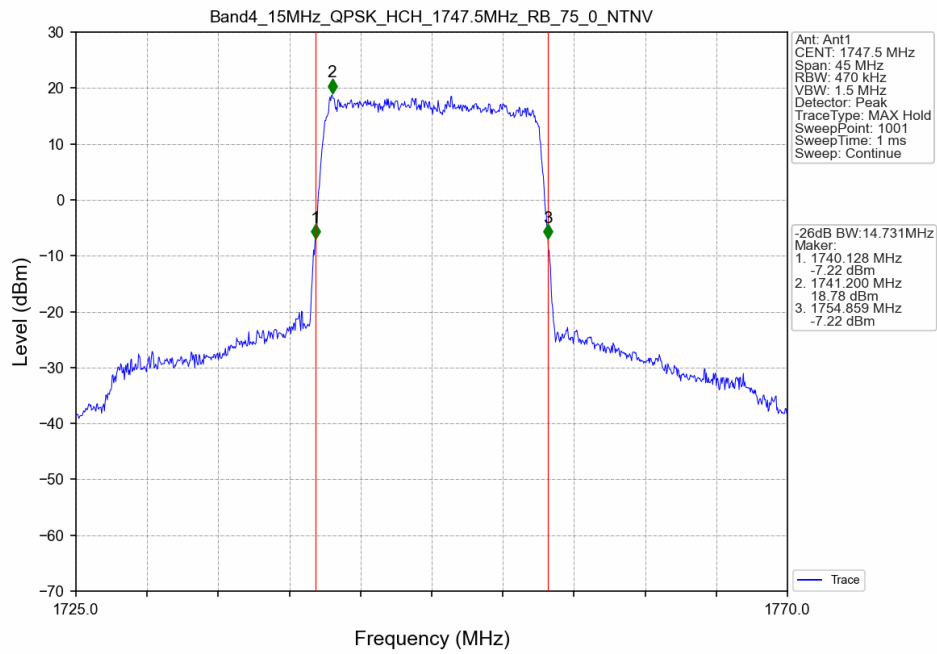
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



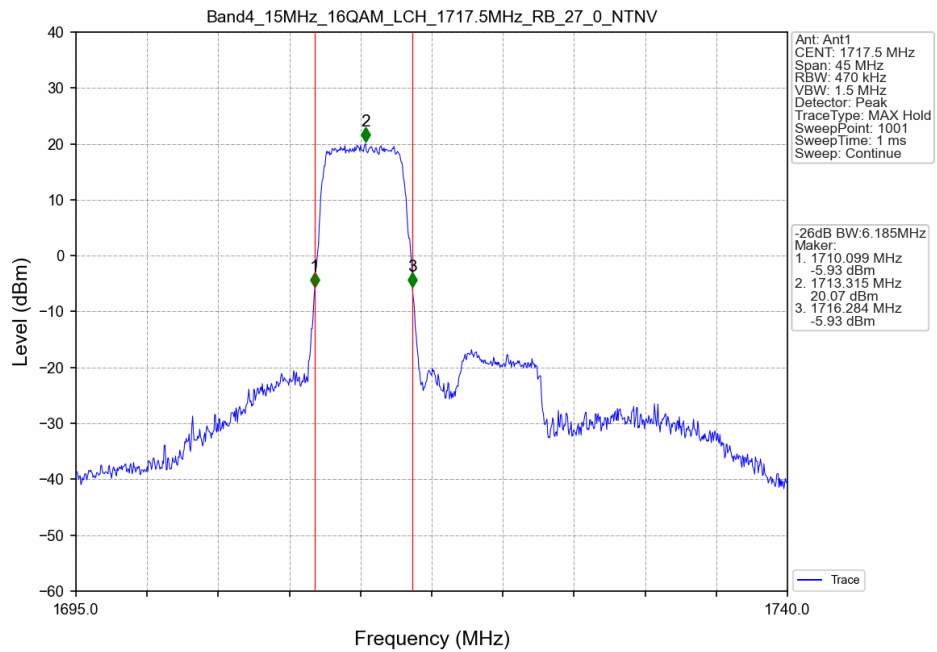
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



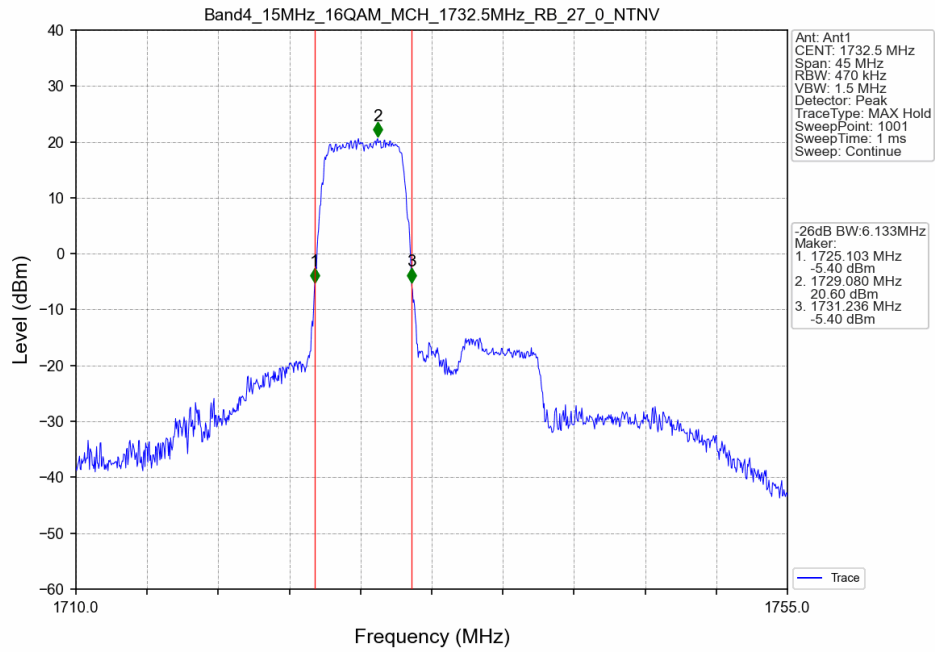
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



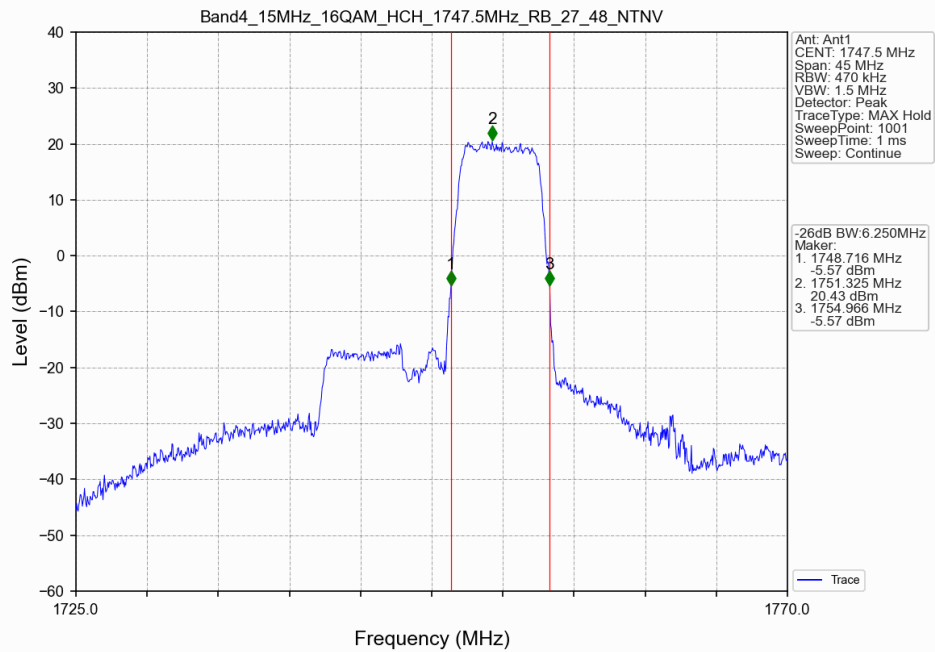
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



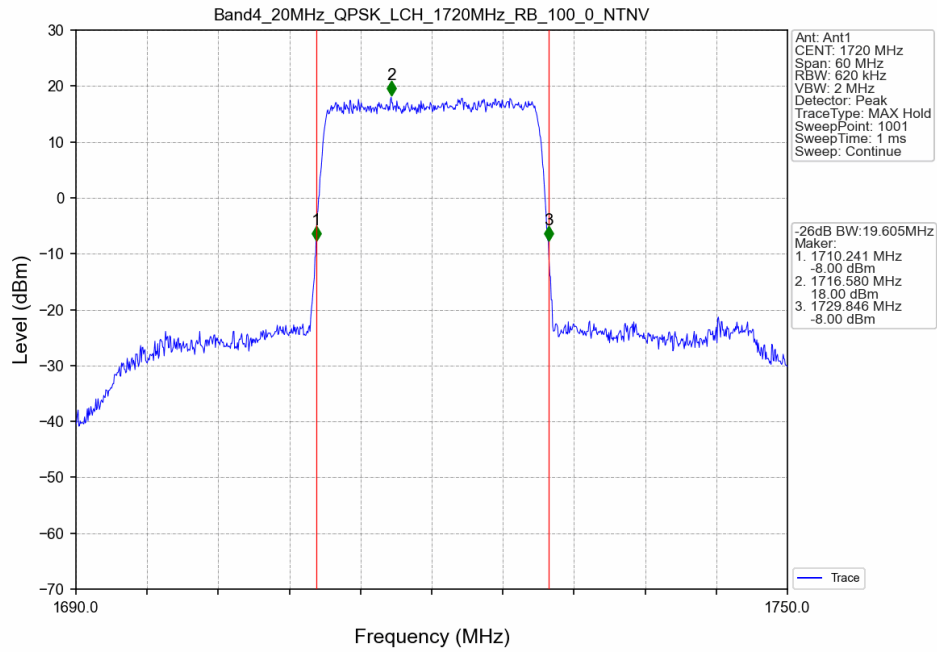
Band4 15MHz 16QAM MCH 1732.5MHz RB 27 0 NTV



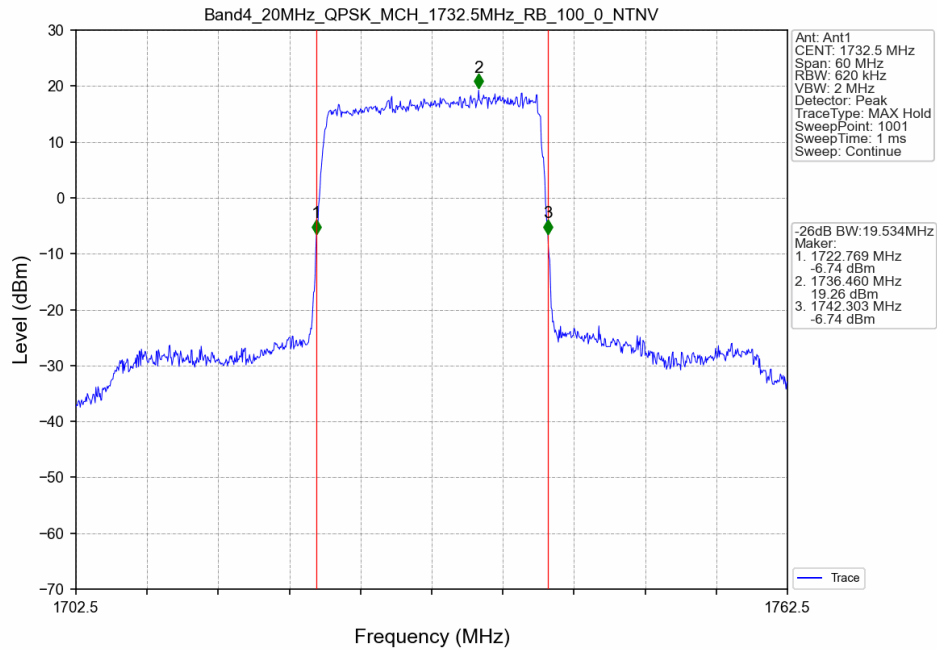
Band4 15MHz 16QAM HCH 1747.5MHz RB 27 48 NTV



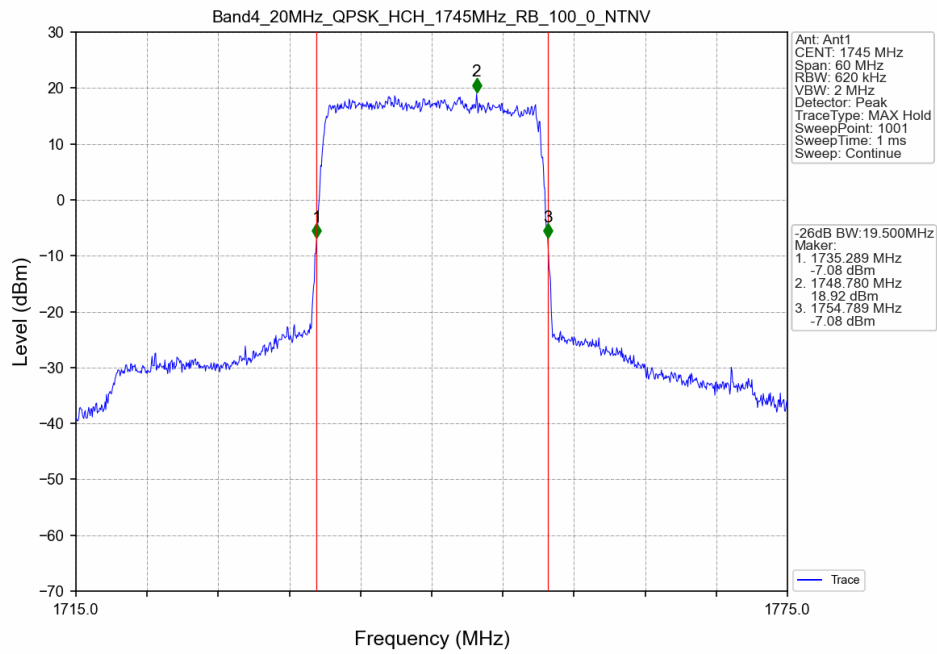
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN



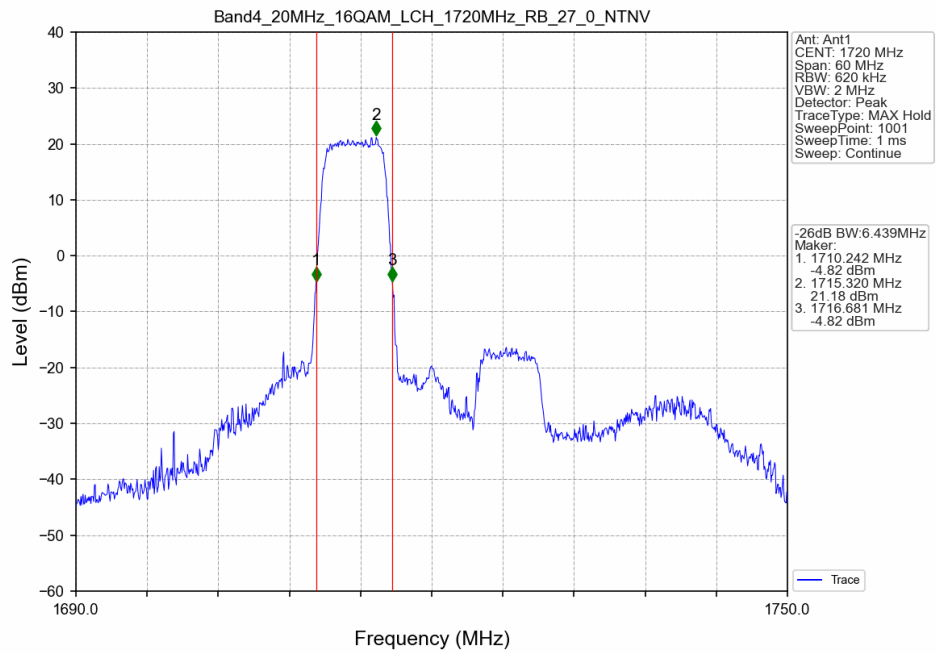
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTN



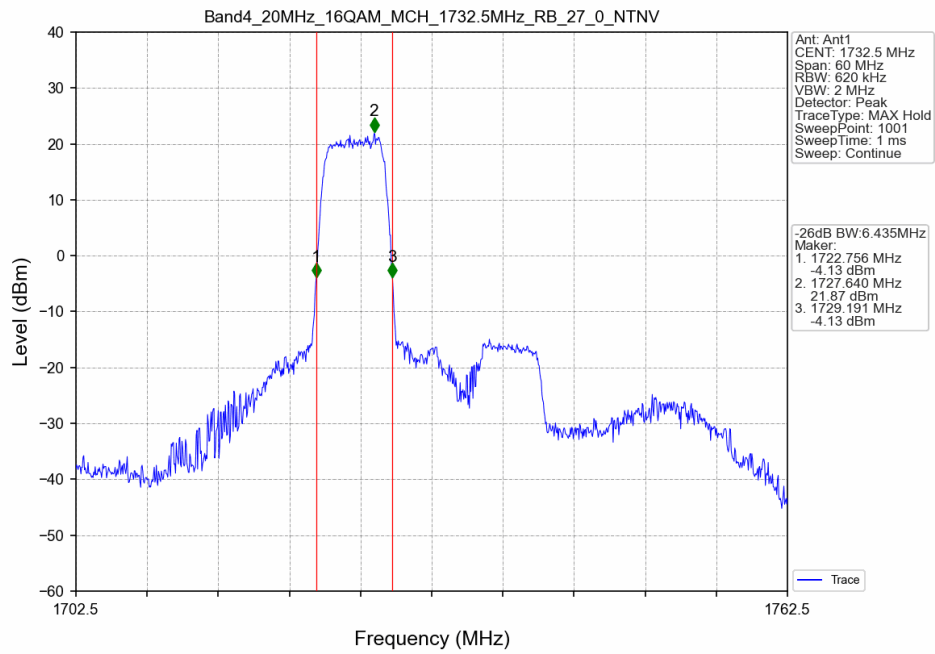
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



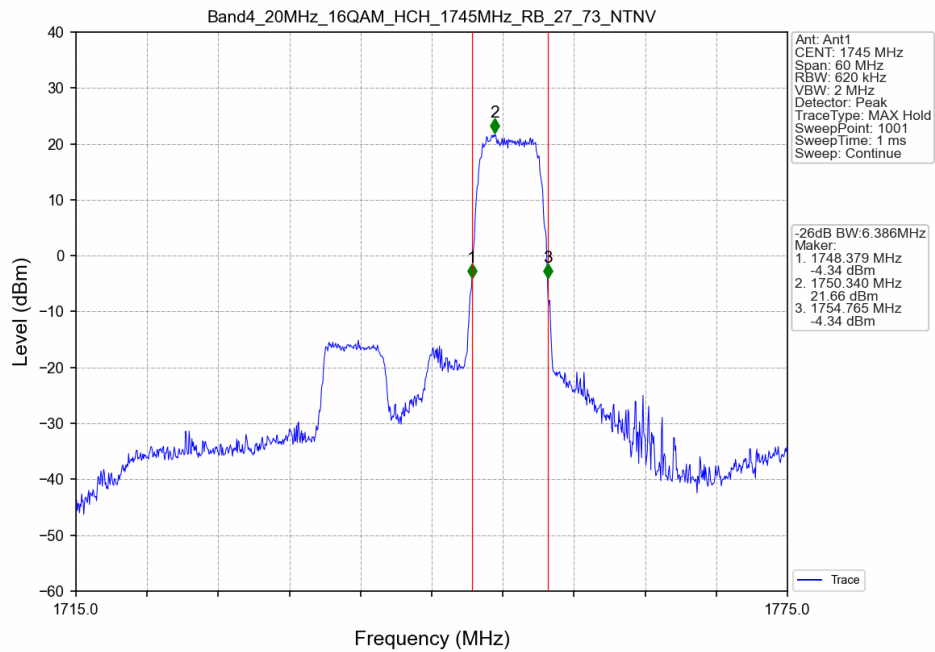
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV



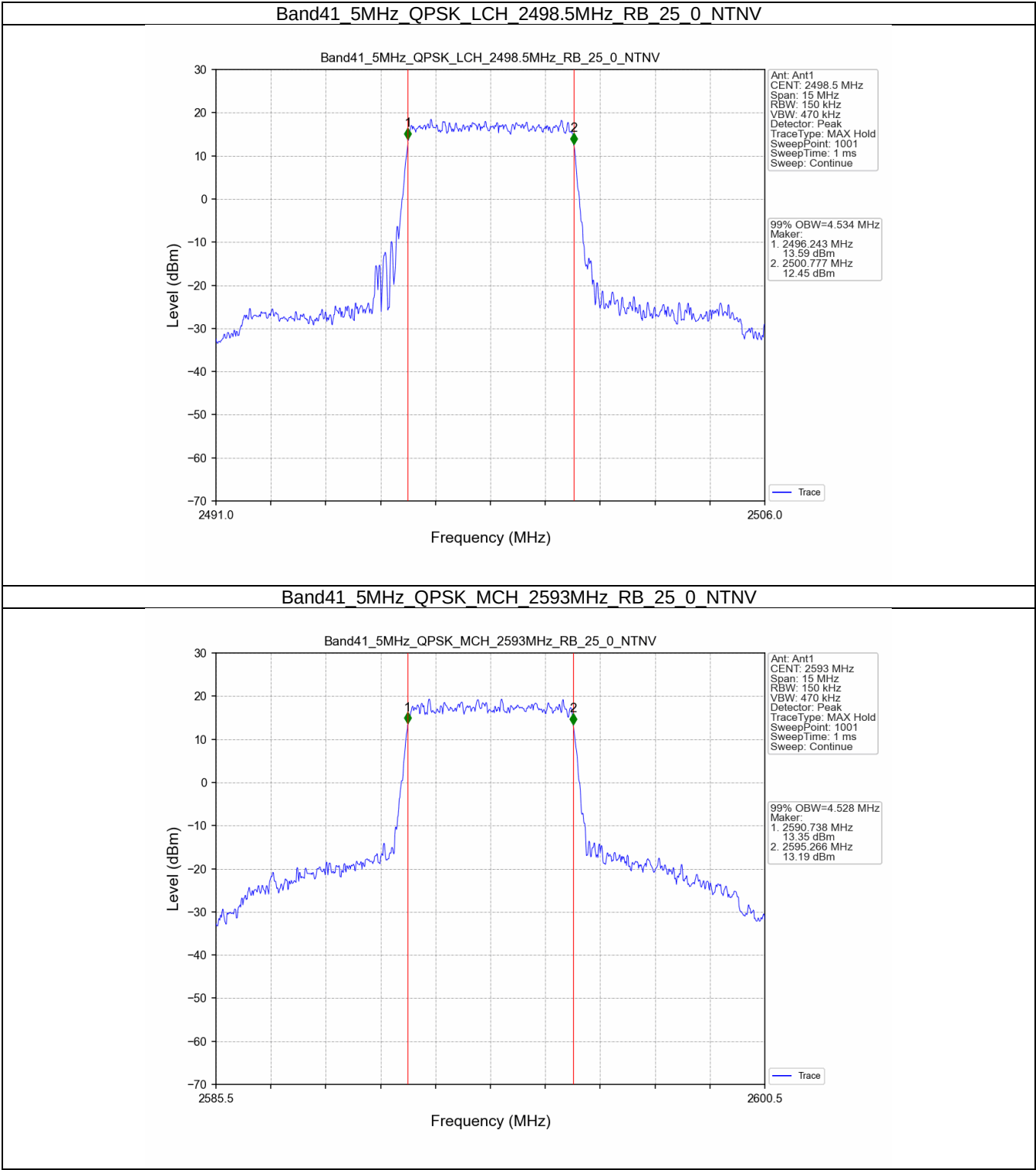
10. 99% & 26dB Bandwidth

10.1 Band41_OBW

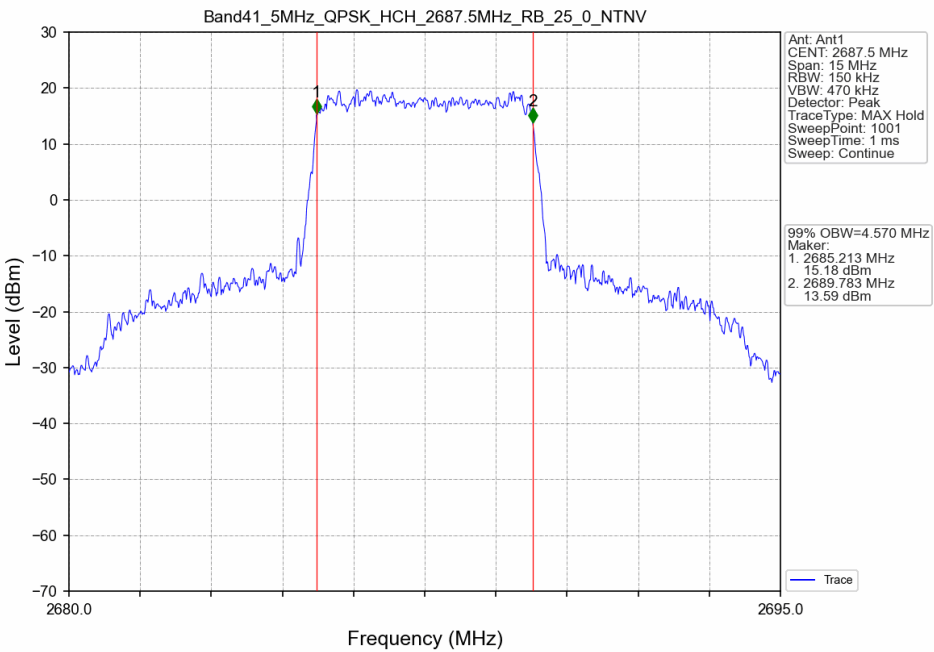
10.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.534	/	Pass
		2593	25	0	4.528	/	Pass
		2687.5	25	0	4.570	/	Pass
	16QAM	2498.5	25	0	4.544	/	Pass
		2593	25	0	4.541	/	Pass
		2687.5	25	0	4.557	/	Pass
10	QPSK	2501	50	0	9.028	/	Pass
		2593	50	0	9.026	/	Pass
		2685	50	0	9.042	/	Pass
	16QAM	2501	27	0	5.048	/	Pass
		2593	27	0	5.064	/	Pass
		2685	27	23	5.053	/	Pass
15	QPSK	2503.5	75	0	13.523	/	Pass
		2593	75	0	13.558	/	Pass
		2682.5	75	0	13.566	/	Pass
	16QAM	2503.5	27	0	5.287	/	Pass
		2593	27	0	5.247	/	Pass
		2682.5	27	48	5.271	/	Pass
20	QPSK	2506	100	0	17.999	/	Pass
		2593	100	0	18.044	/	Pass
		2680	100	0	18.081	/	Pass
	16QAM	2506	27	0	5.430	/	Pass
		2593	27	0	5.408	/	Pass
		2680	27	73	5.468	/	Pass

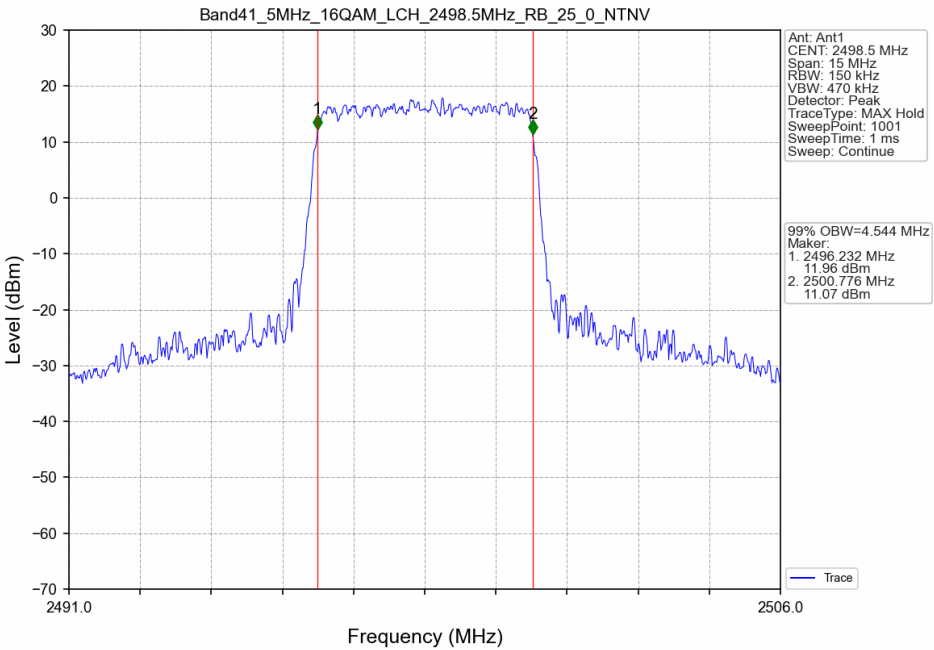
10.1.2 Test Graph



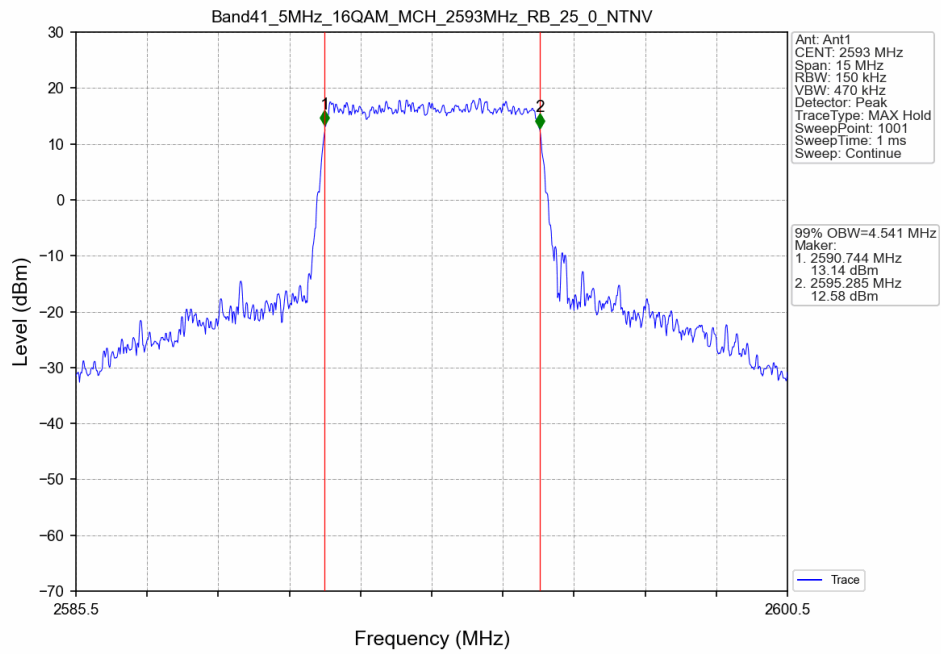
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV



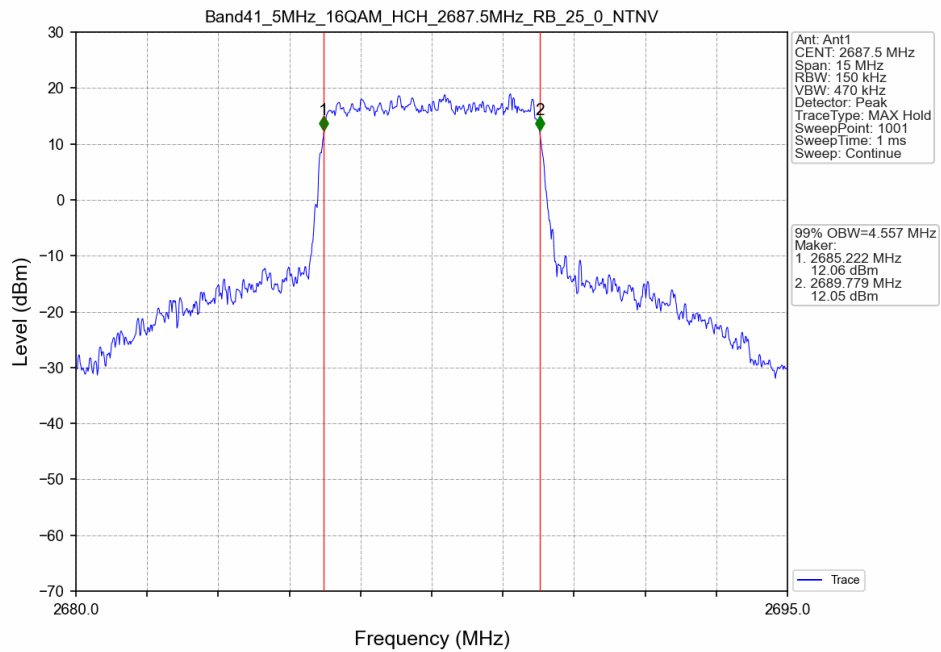
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTV



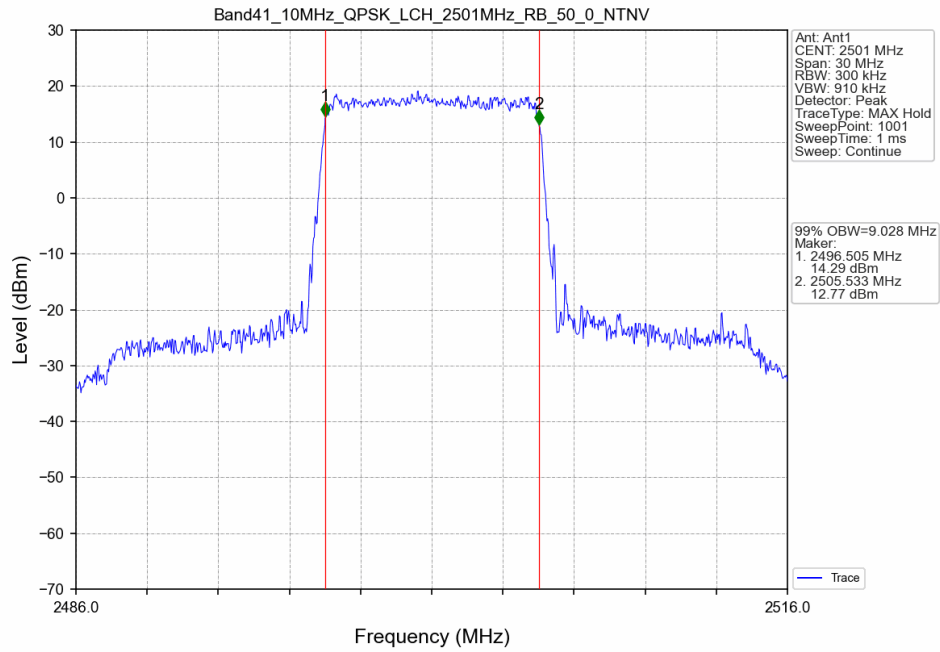
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



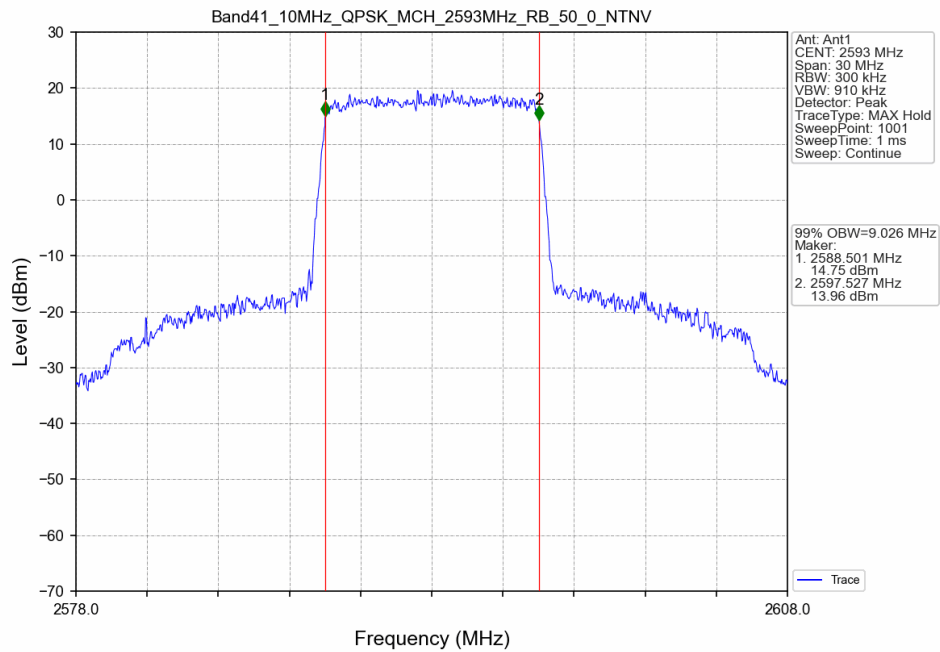
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



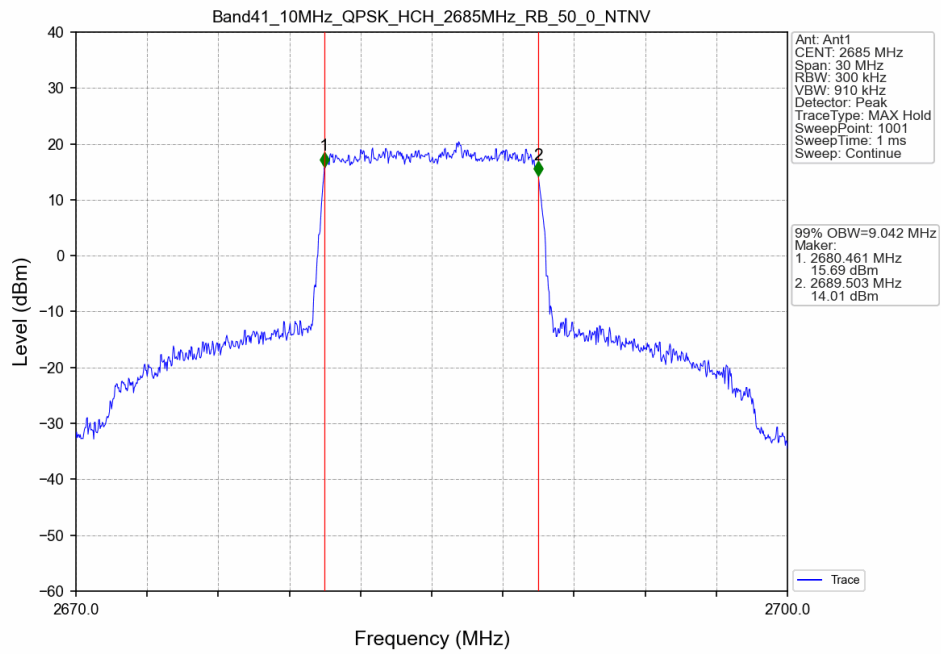
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



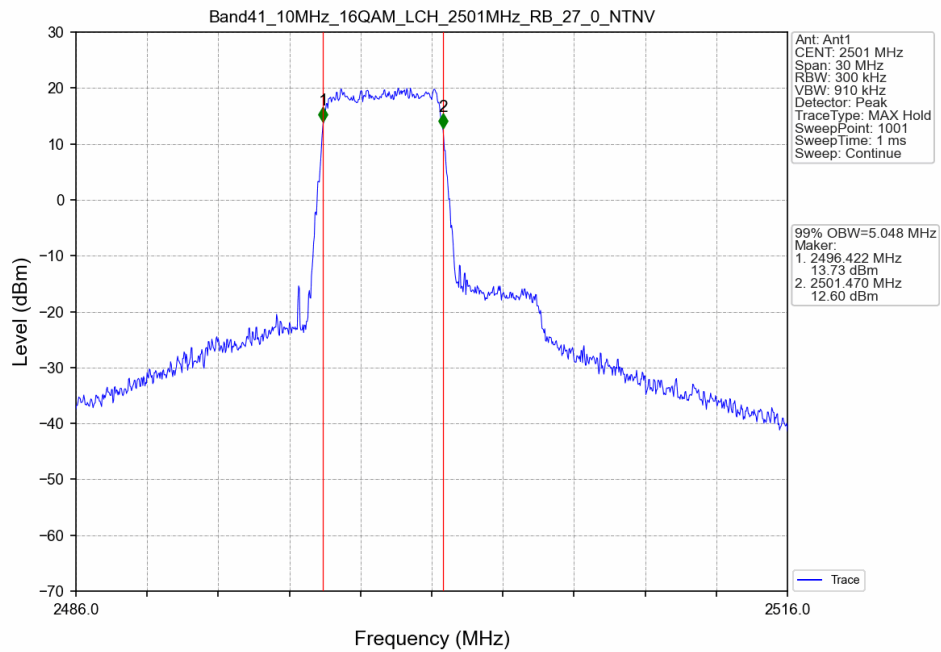
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



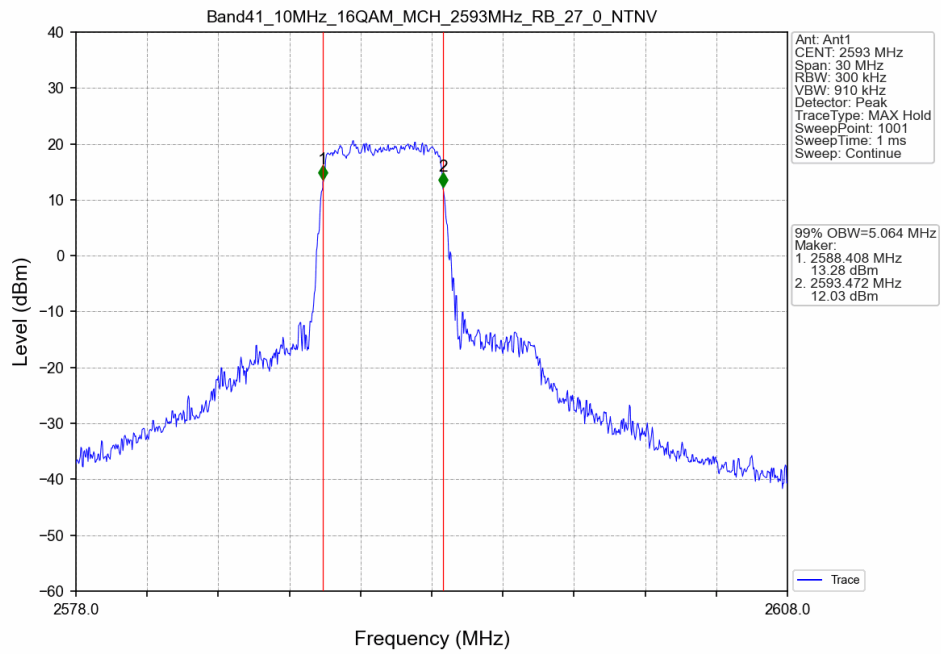
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



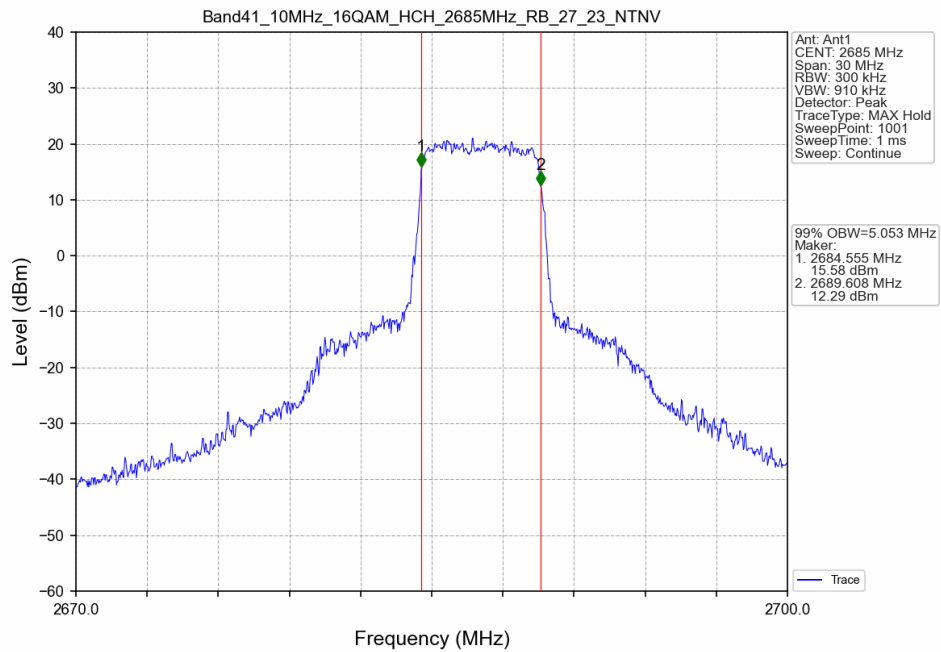
Band41_10MHz_16QAM_LCH_2501MHz_RB_27_0_NTNV



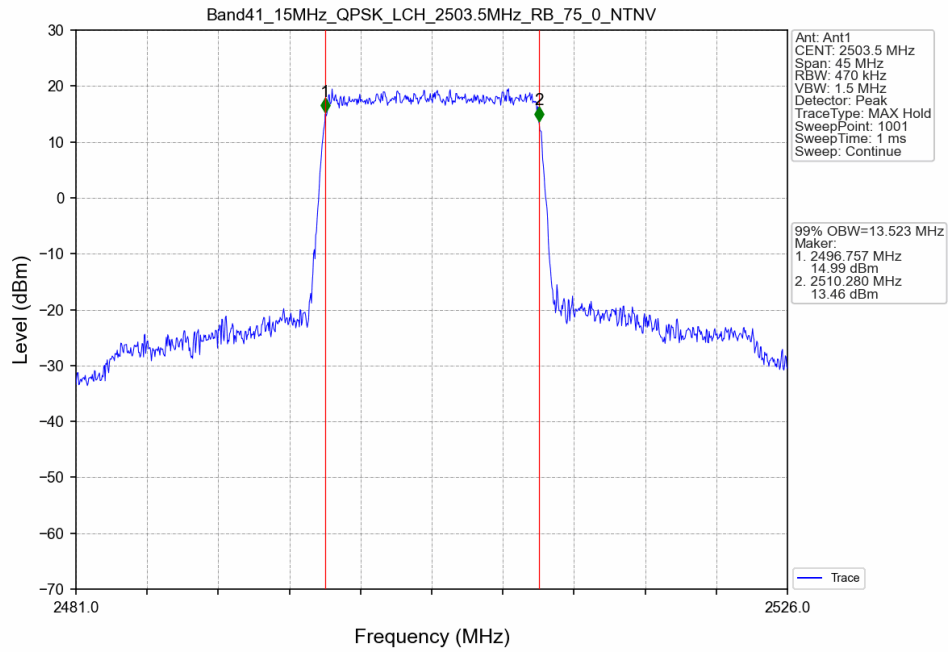
Band41 10MHz 16QAM MCH 2593MHz RB 27 0 NTNV



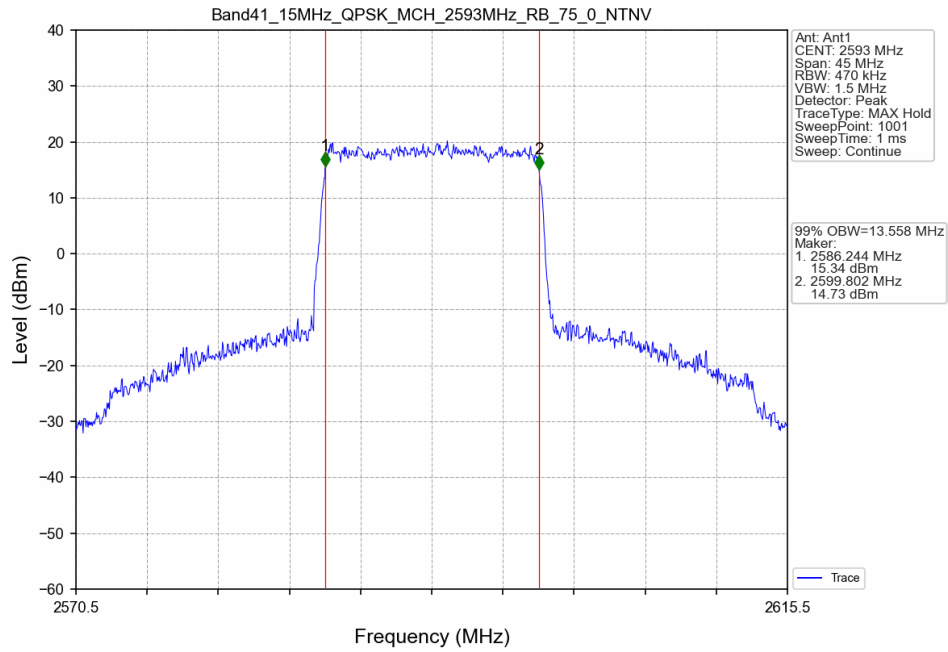
Band41 10MHz 16QAM HCH 2685MHz RB 27 23 NTNV



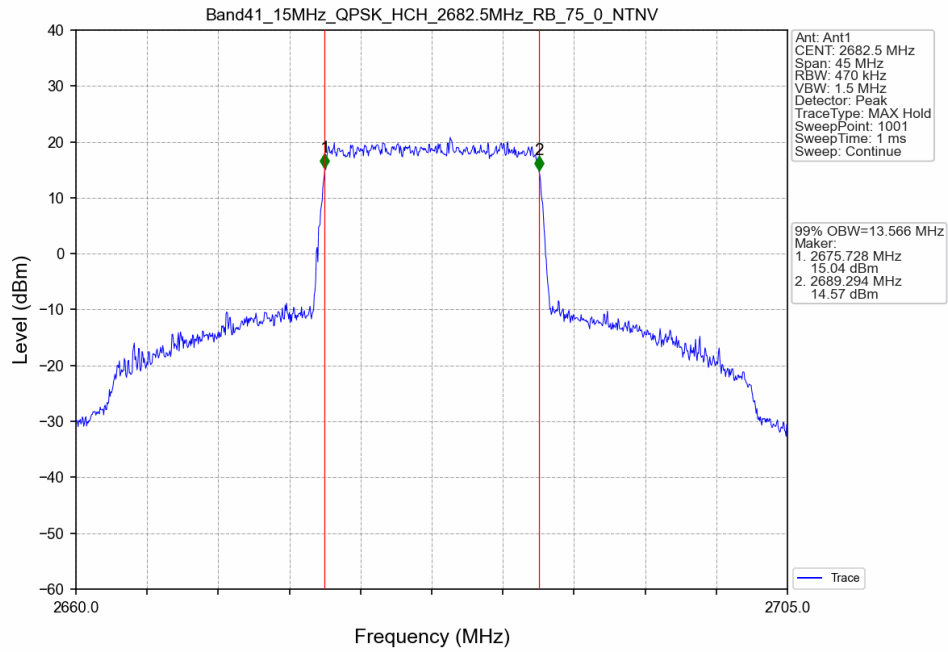
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



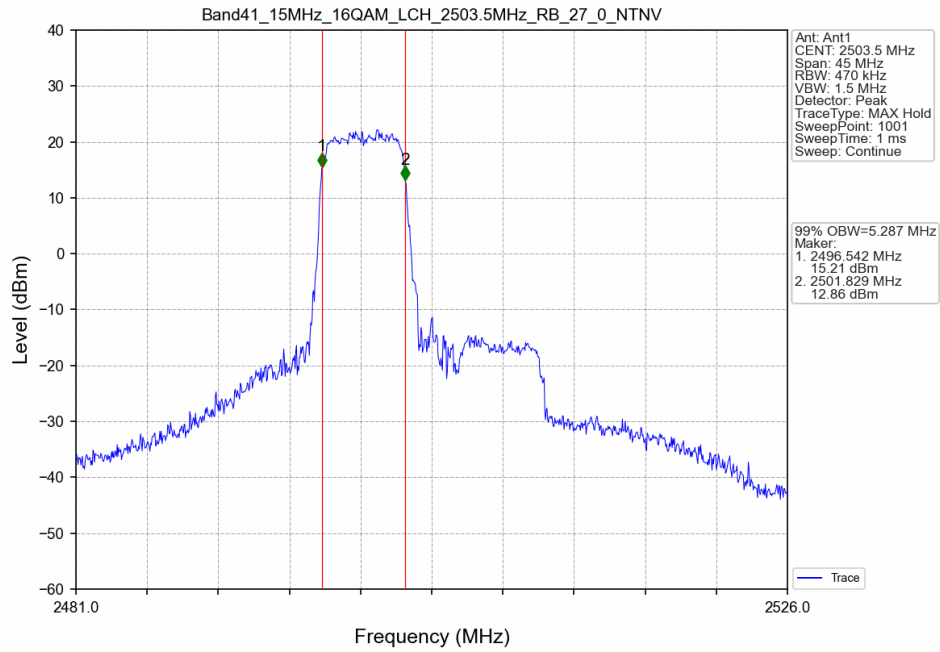
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



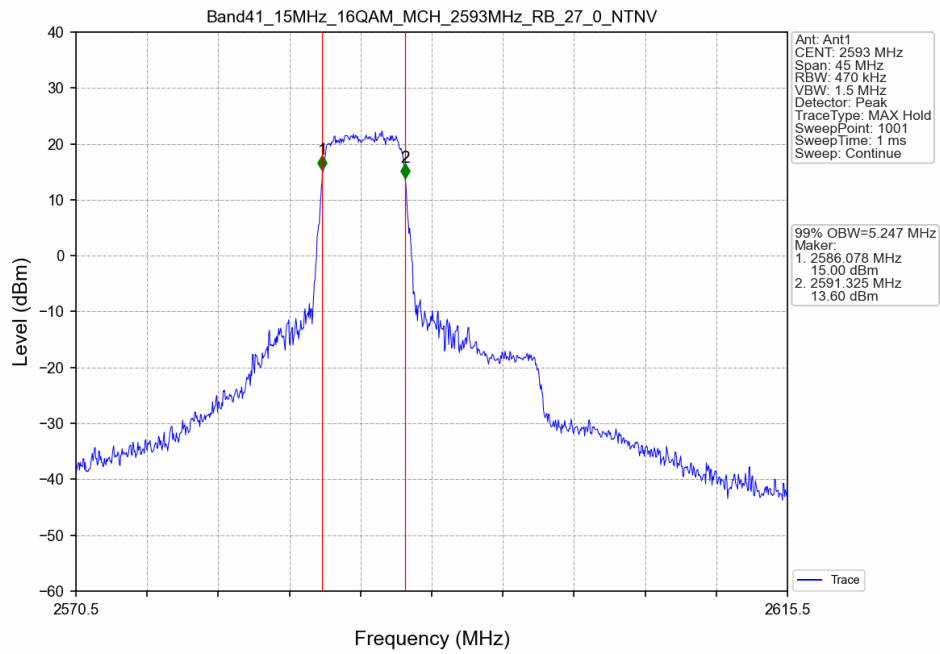
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



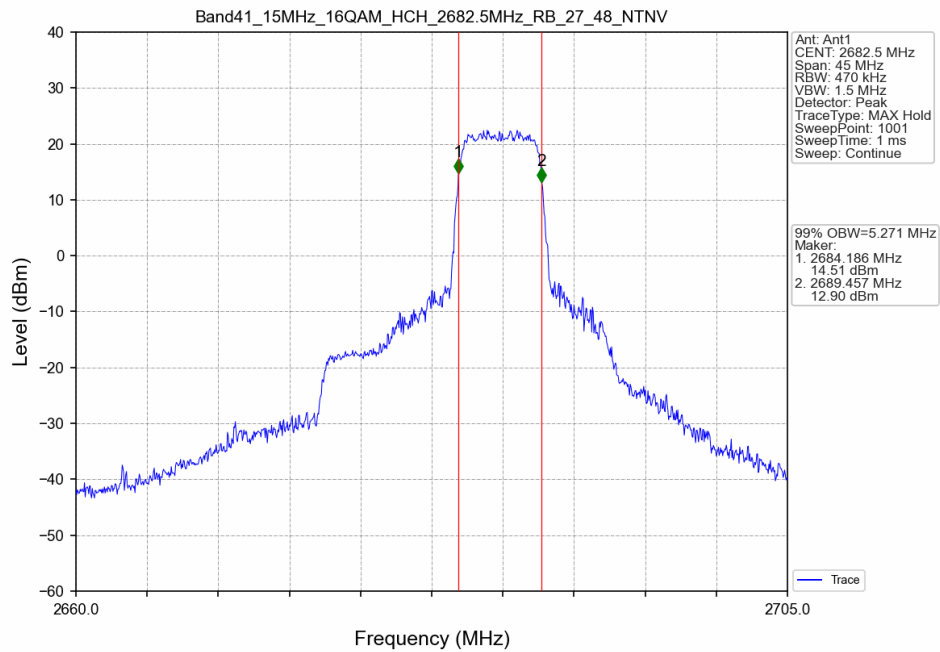
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_27_0_NTNV



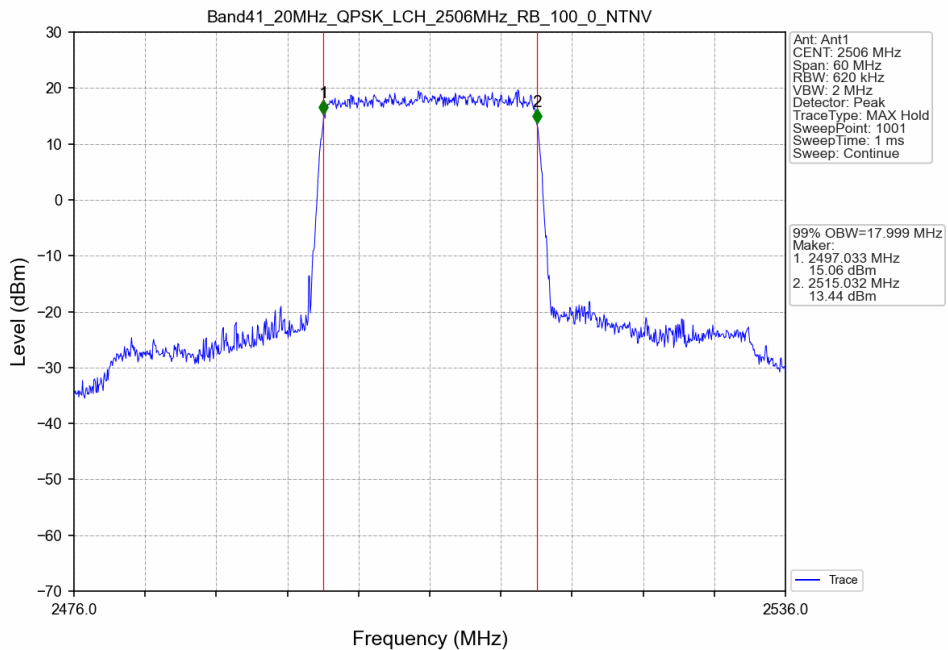
Band41_15MHz_16QAM_MCH_2593MHz_RB_27_0_NTNV



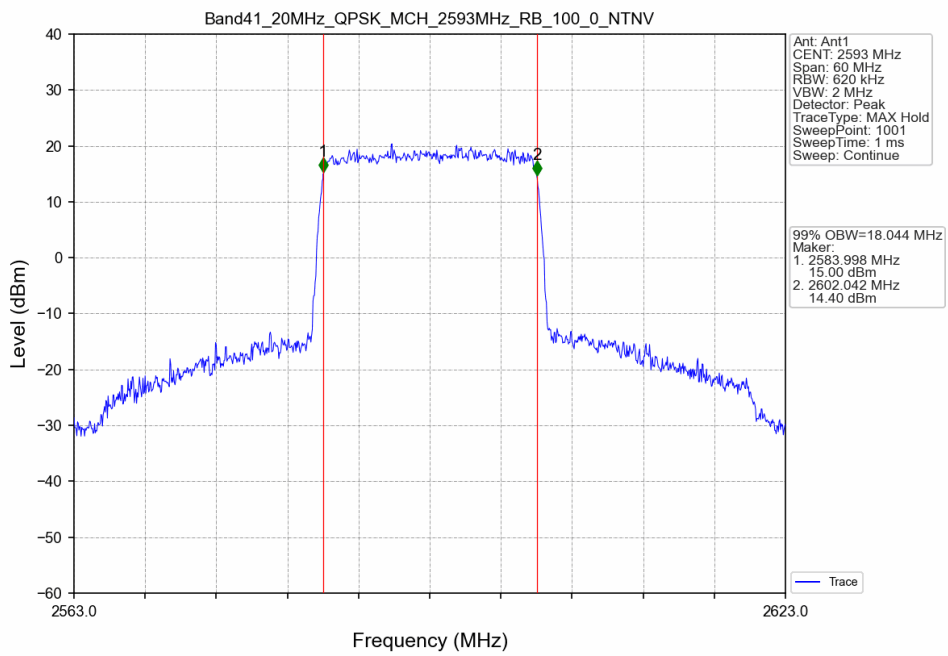
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_27_48_NTNV



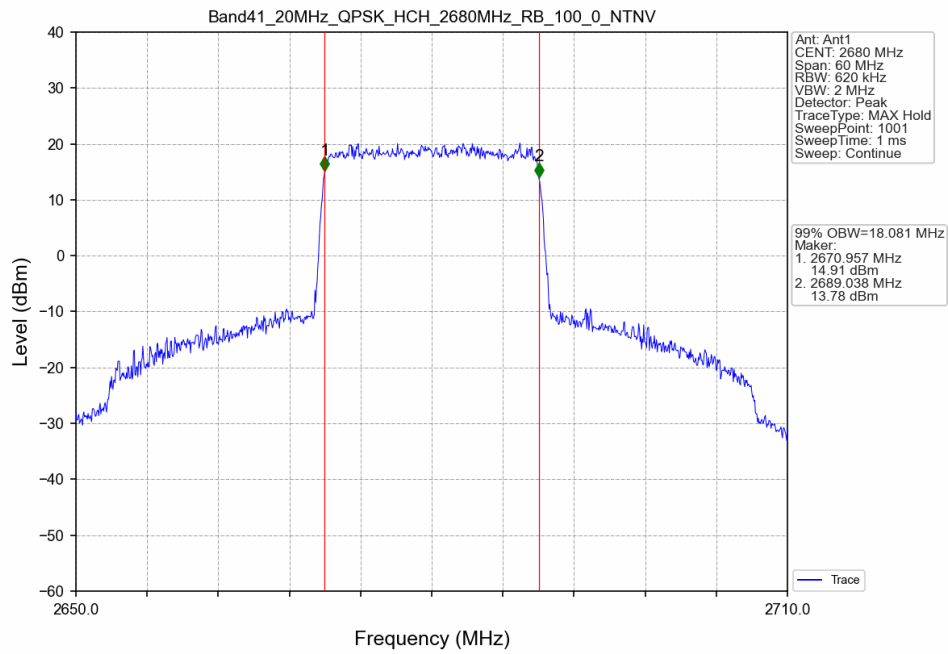
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



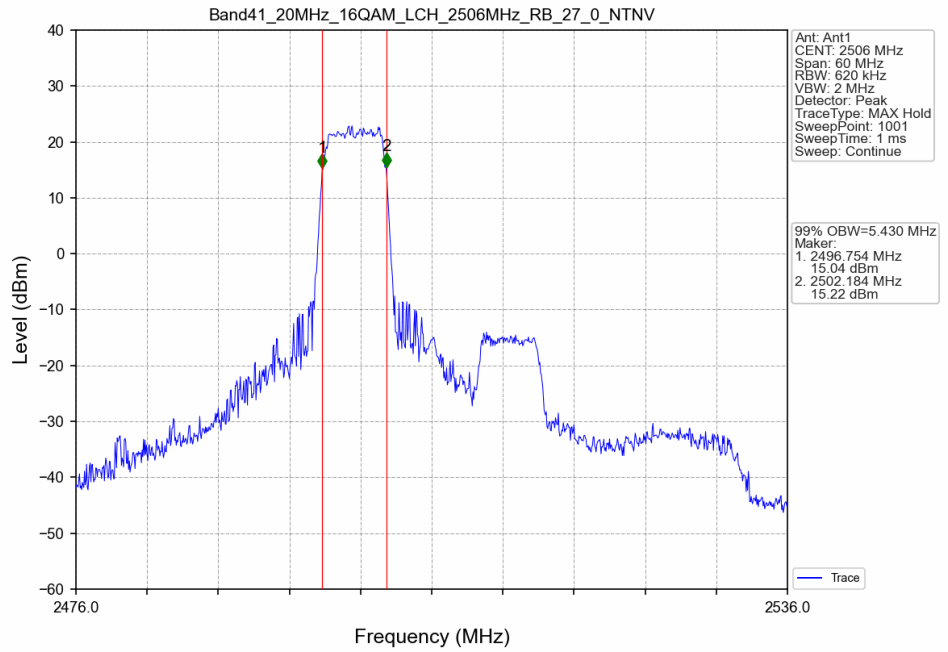
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



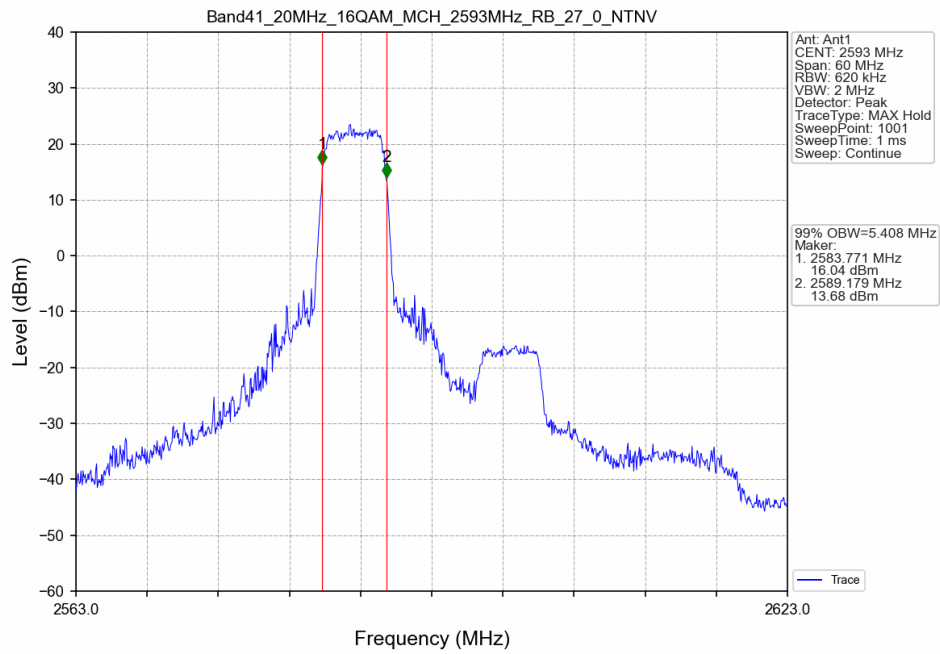
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



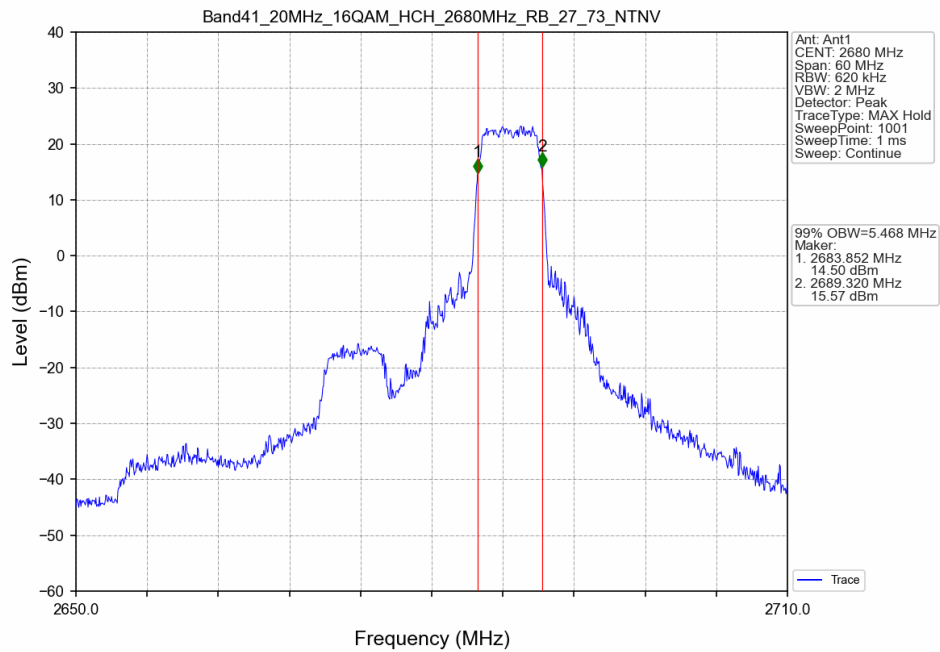
Band41_20MHz_16QAM_LCH_2506MHz_RB_27_0_NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 27 0 NTN



Band41 20MHz 16QAM HCH 2680MHz RB 27 73 NTN

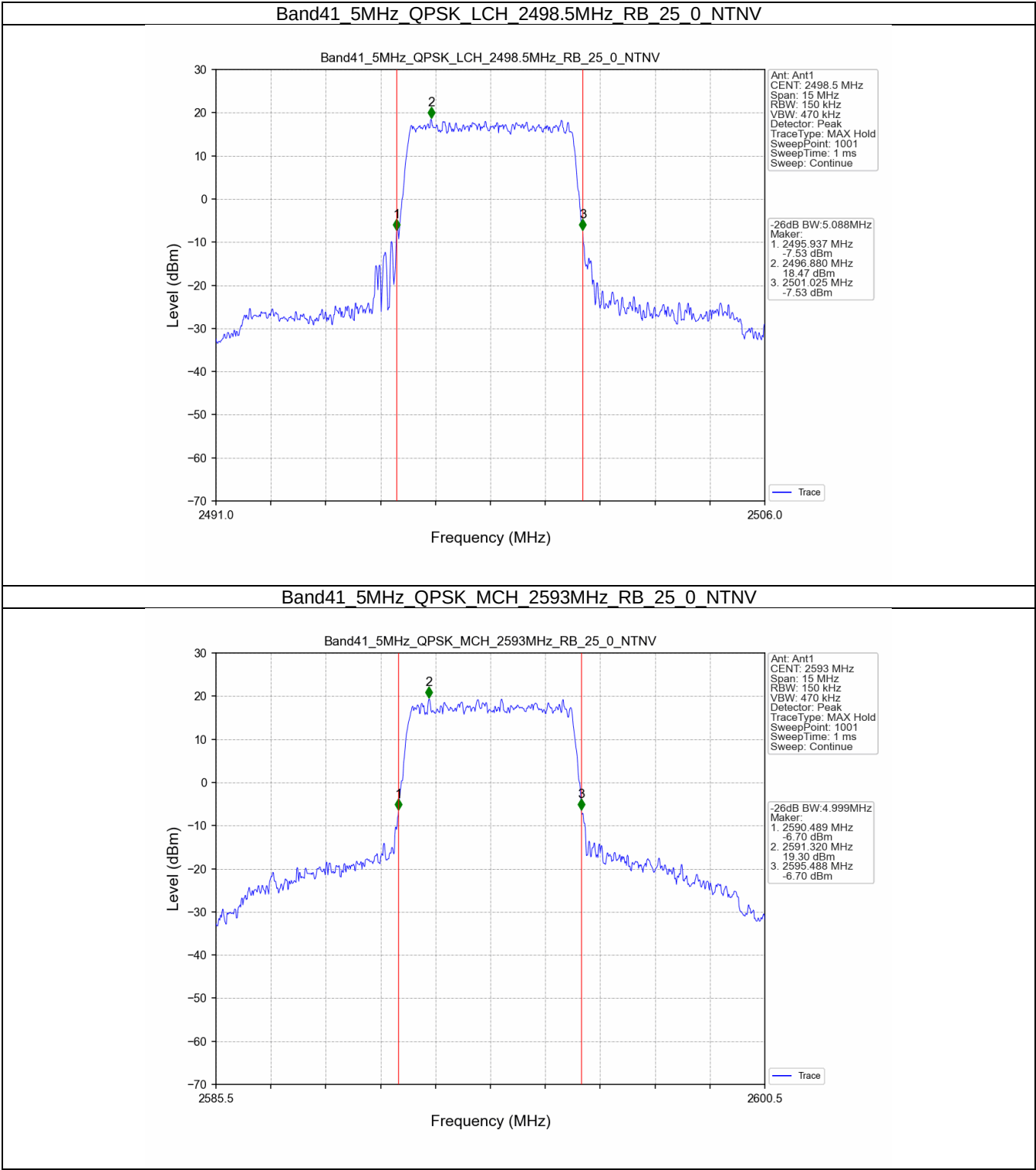


10.2 Band41_XDB

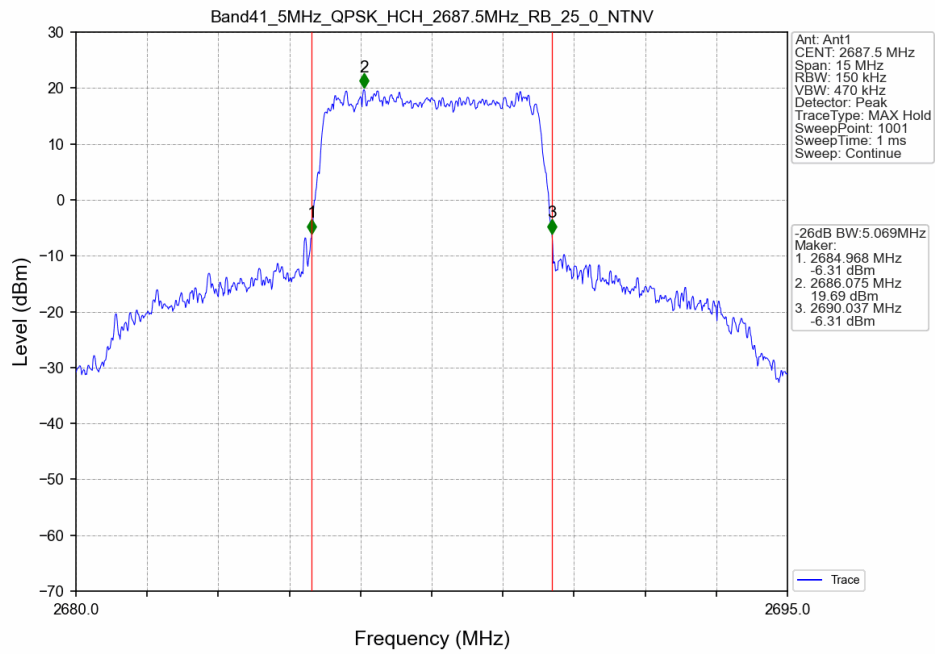
10.2.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.088	/	Pass
		2593	25	0	4.999	/	Pass
		2687.5	25	0	5.069	/	Pass
	16QAM	2498.5	25	0	5.025	/	Pass
		2593	25	0	5.028	/	Pass
		2687.5	25	0	5.073	/	Pass
10	QPSK	2501	50	0	9.888	/	Pass
		2593	50	0	9.880	/	Pass
		2685	50	0	9.869	/	Pass
	16QAM	2501	27	0	5.824	/	Pass
		2593	27	0	5.854	/	Pass
		2685	27	23	5.846	/	Pass
15	QPSK	2503.5	75	0	14.688	/	Pass
		2593	75	0	14.762	/	Pass
		2682.5	75	0	14.687	/	Pass
	16QAM	2503.5	27	0	6.129	/	Pass
		2593	27	0	6.180	/	Pass
		2682.5	27	48	6.170	/	Pass
20	QPSK	2506	100	0	19.447	/	Pass
		2593	100	0	19.415	/	Pass
		2680	100	0	19.551	/	Pass
	16QAM	2506	27	0	6.372	/	Pass
		2593	27	0	6.384	/	Pass
		2680	27	73	7.079	/	Pass

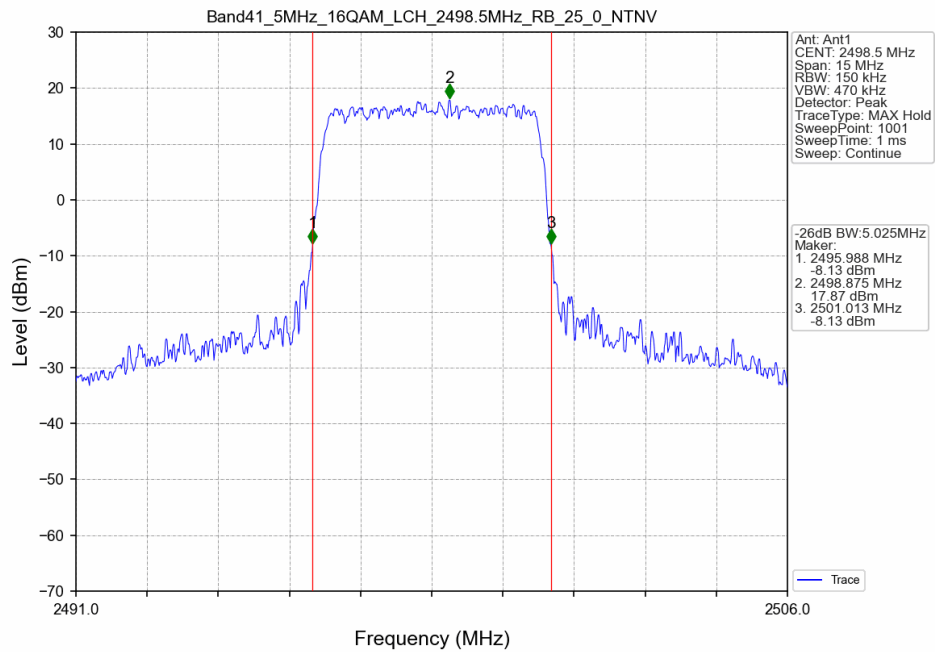
10.2.2 Test Graph



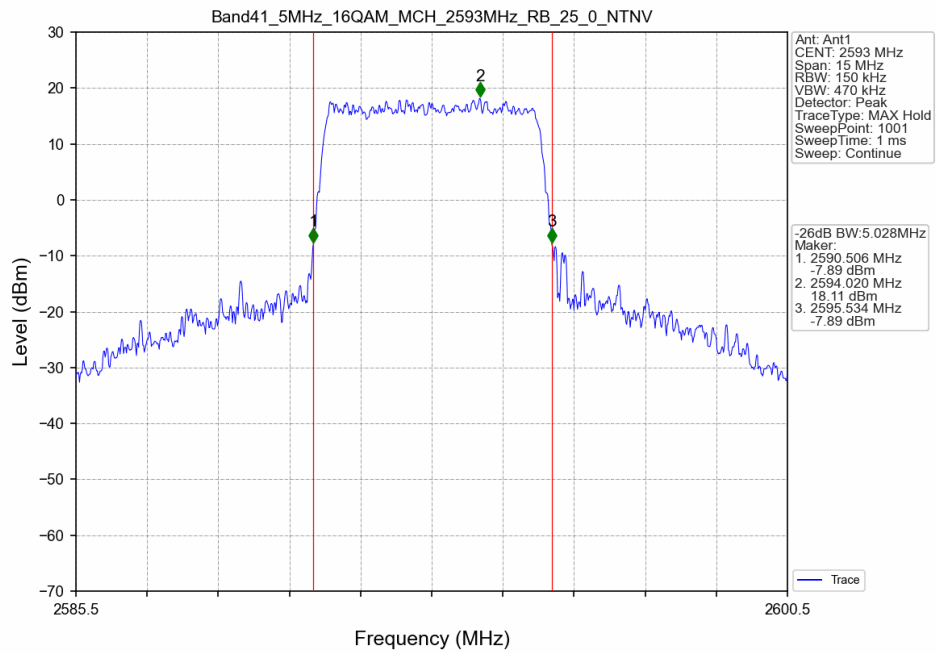
Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV



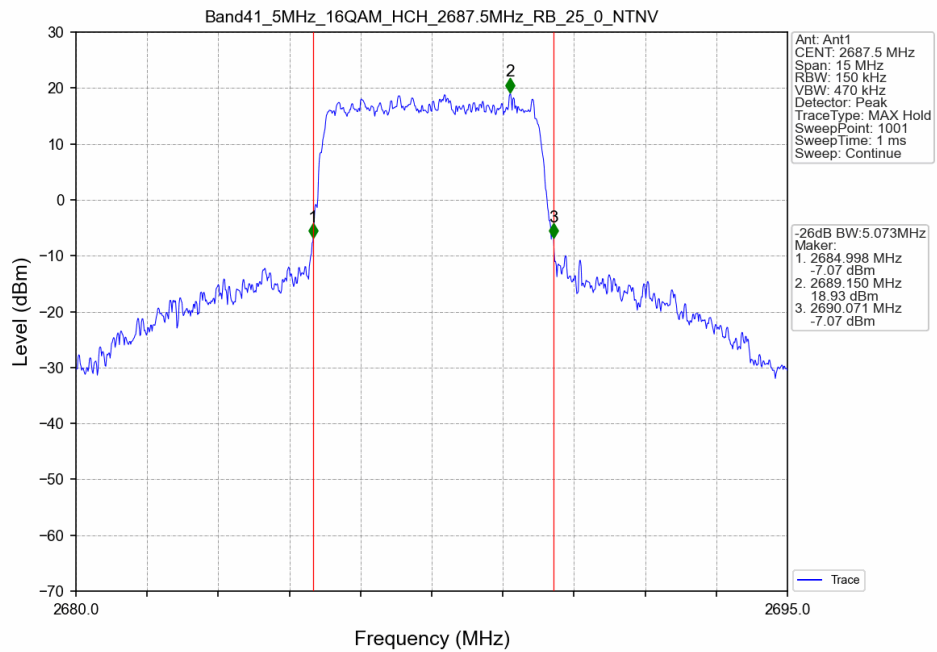
Band41 5MHz 16QAM LCH 2498.5MHz RB 25 0 NTV



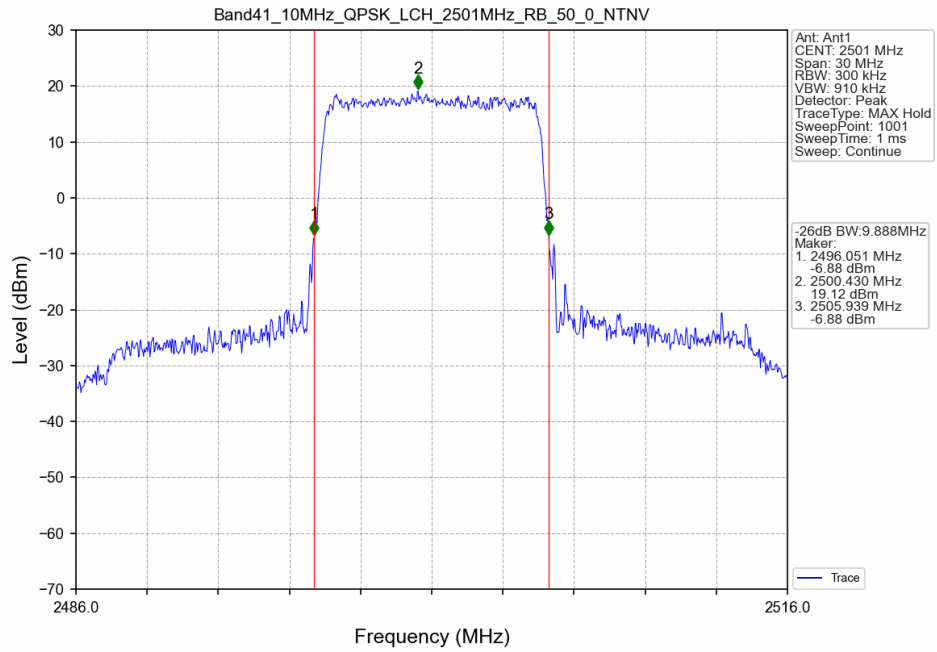
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



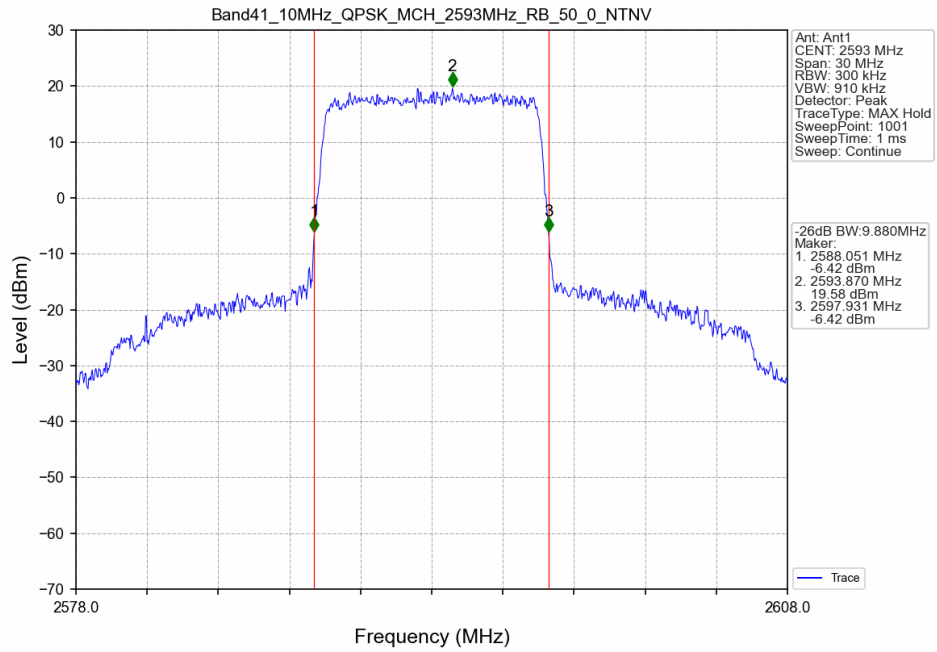
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



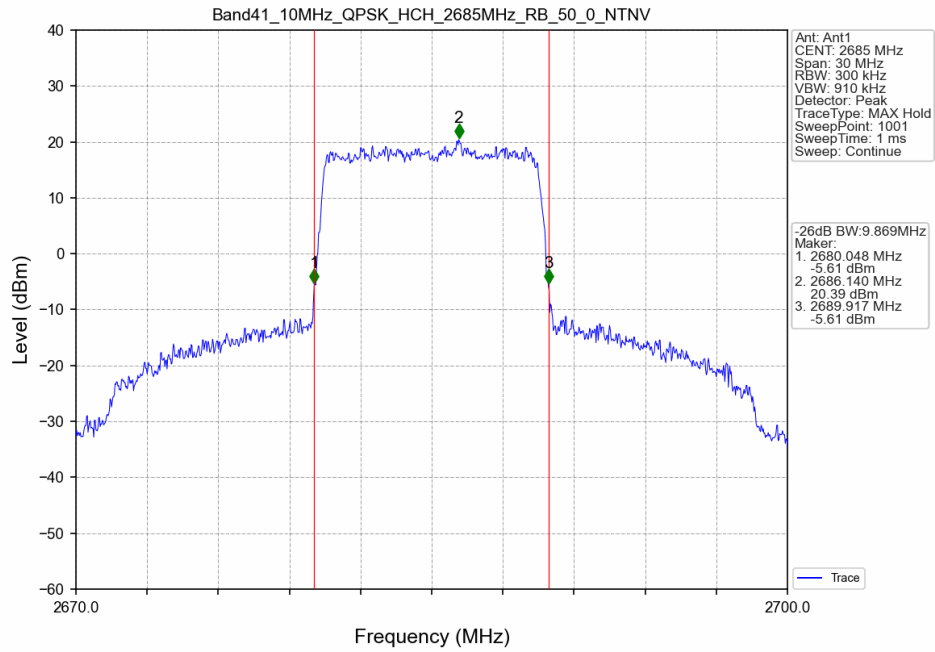
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



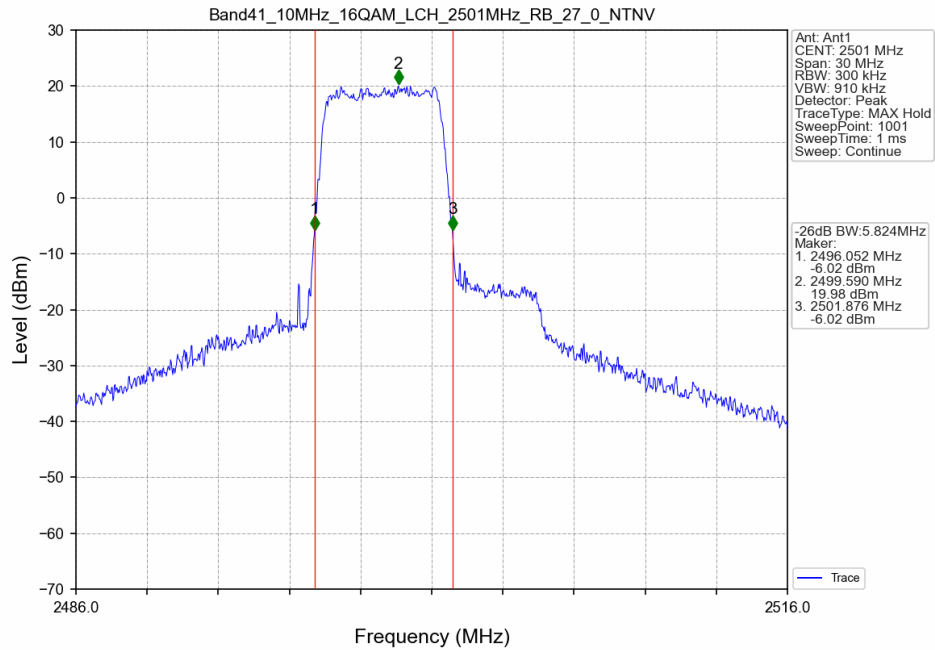
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



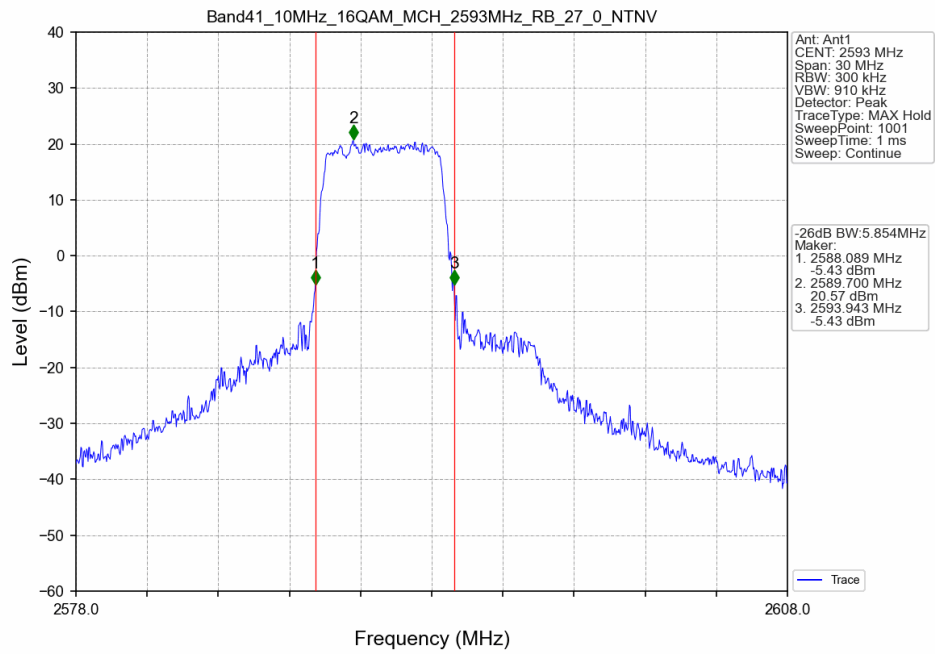
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



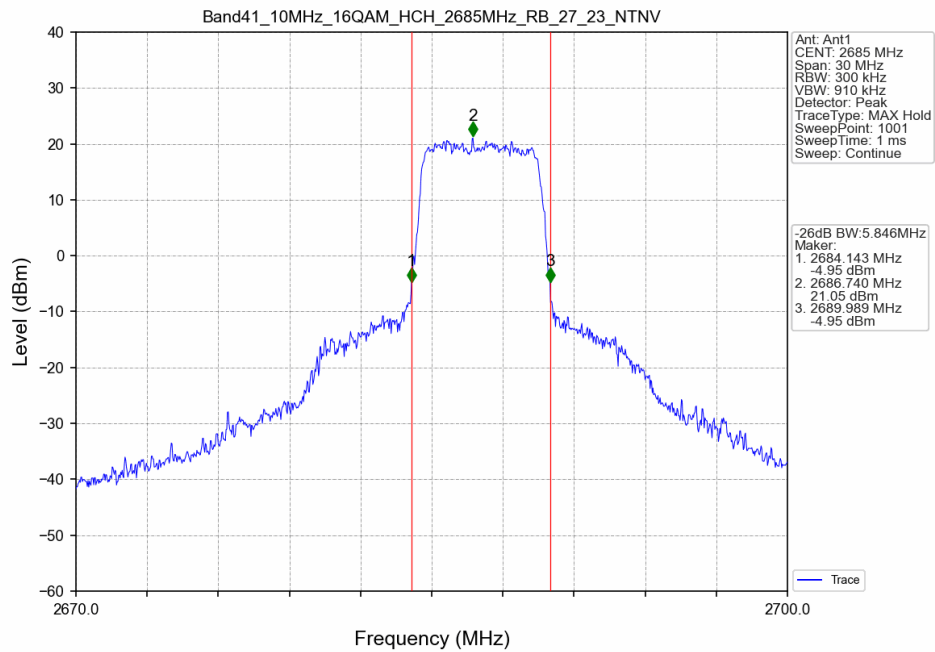
Band41_10MHz_16QAM_LCH_2501MHz_RB_27_0_NTNV



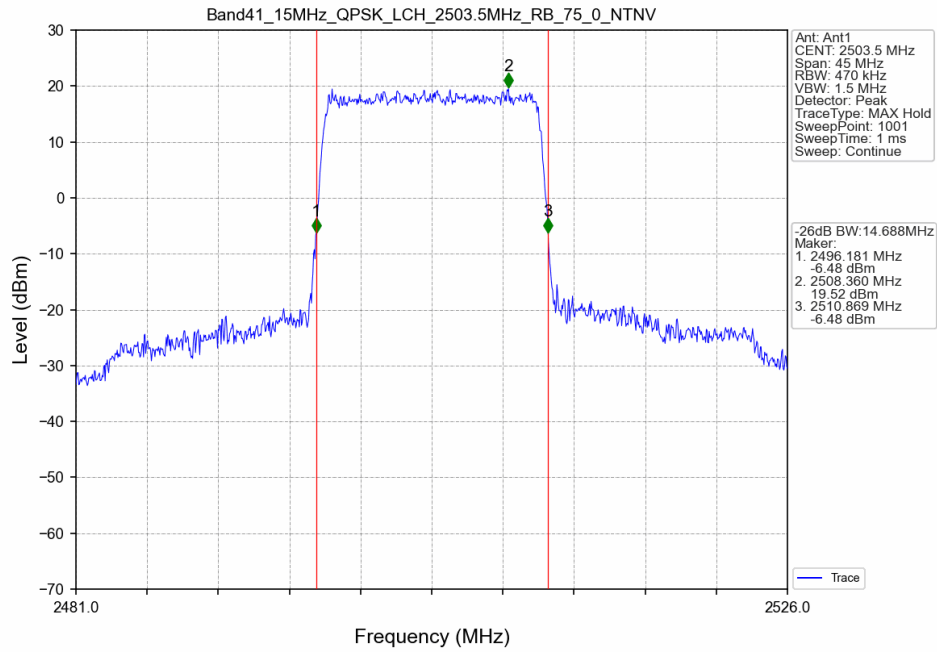
Band41 10MHz 16QAM MCH 2593MHz RB 27 0 NTNV



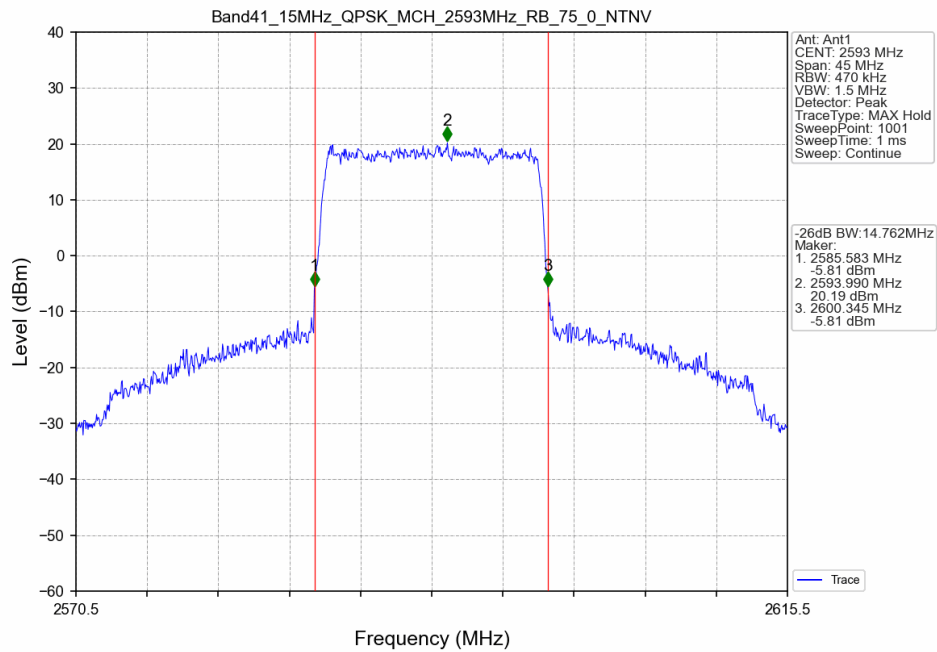
Band41 10MHz 16QAM HCH 2685MHz RB 27 23 NTNV



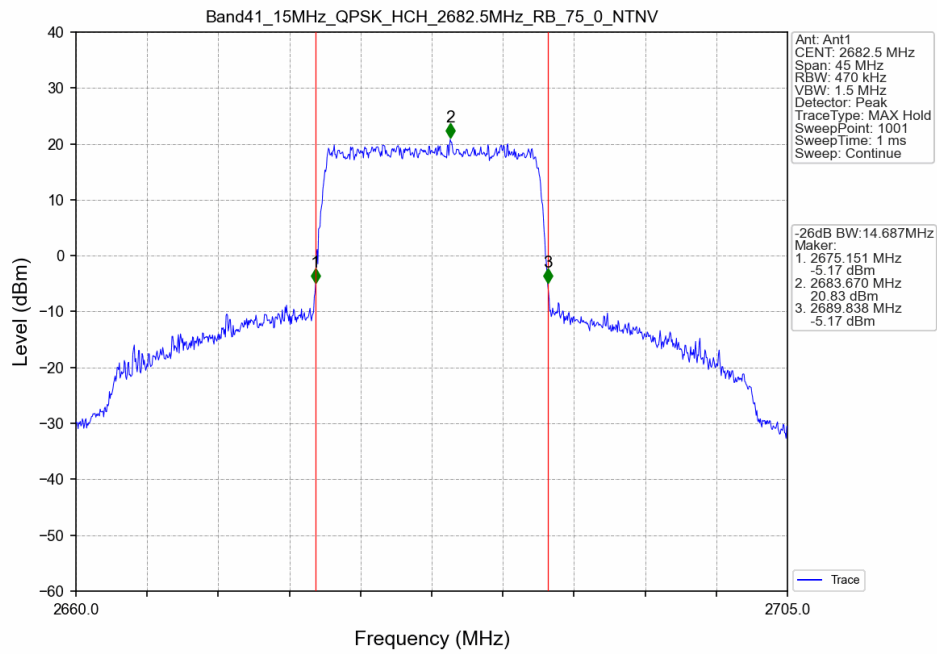
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



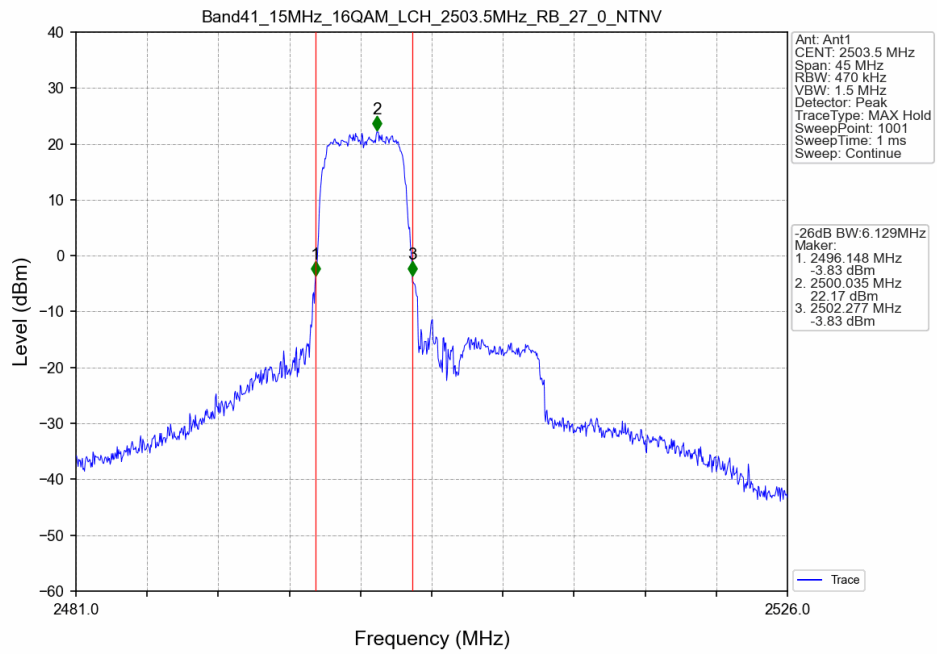
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



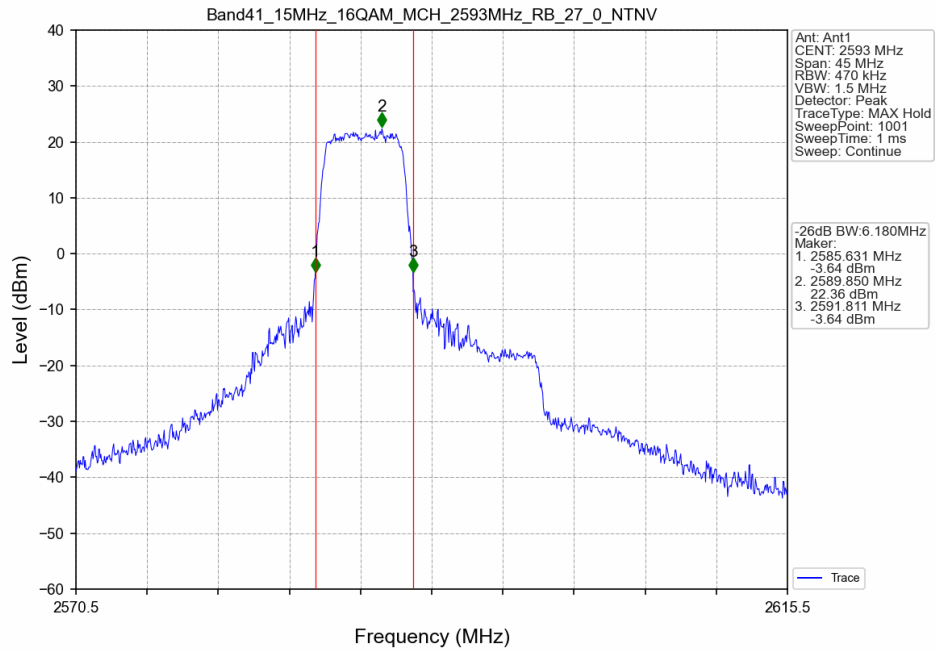
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



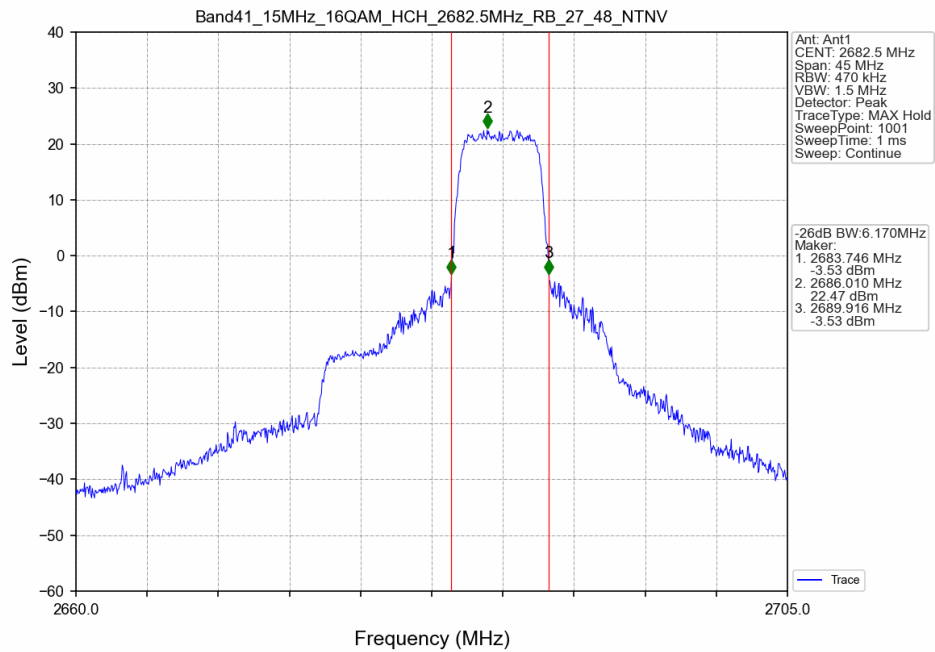
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_27_0_NTNV



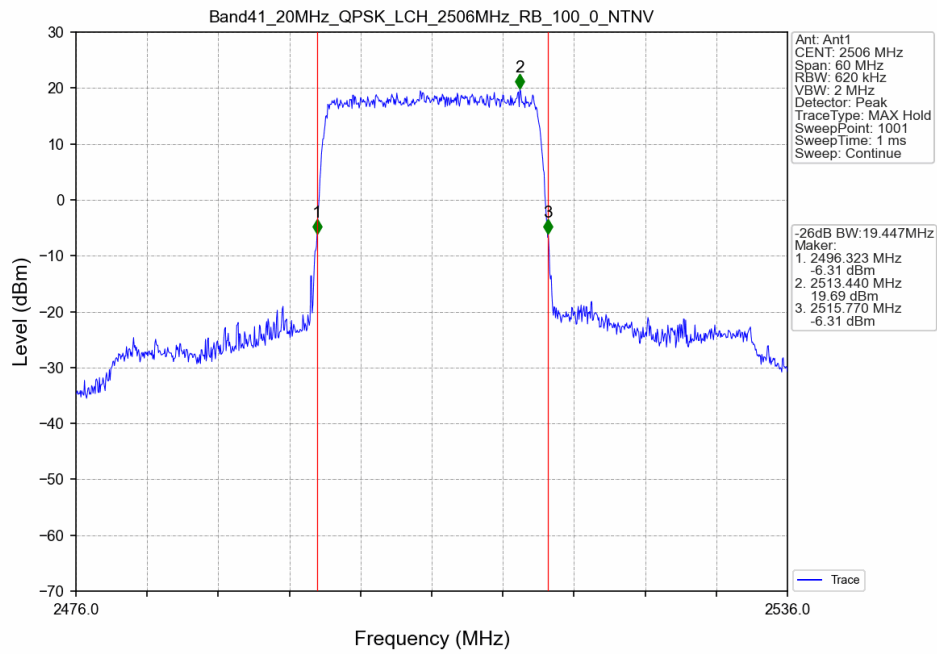
Band41_15MHz_16QAM_MCH_2593MHz_RB_27_0_NTNV



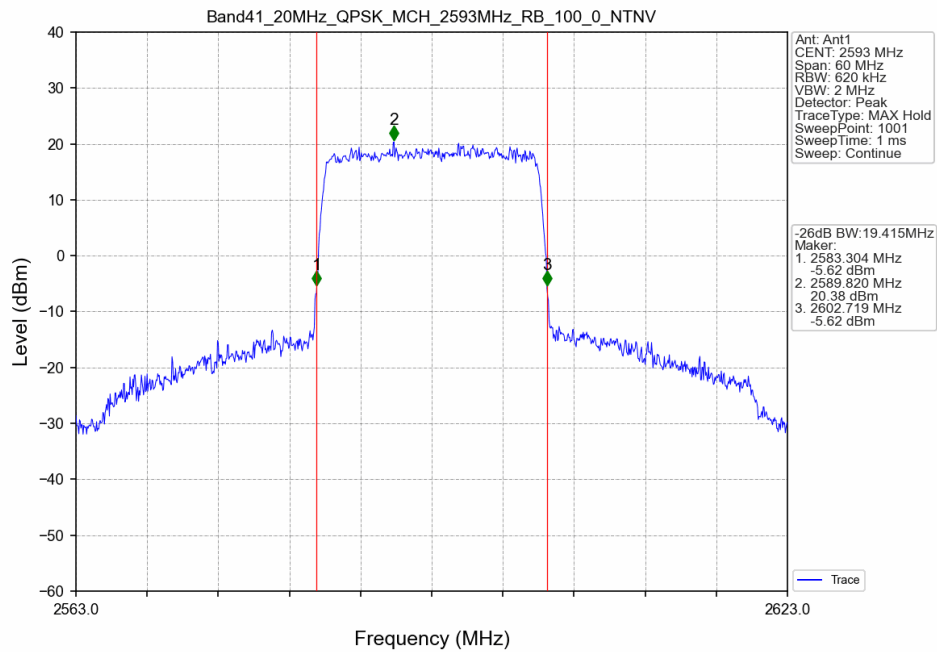
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_27_48_NTNV



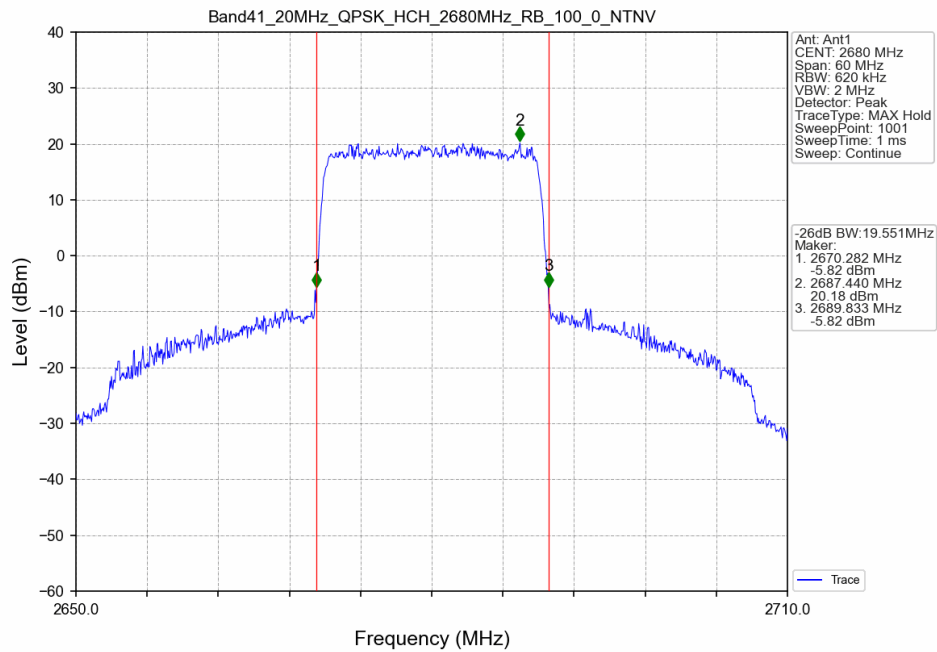
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



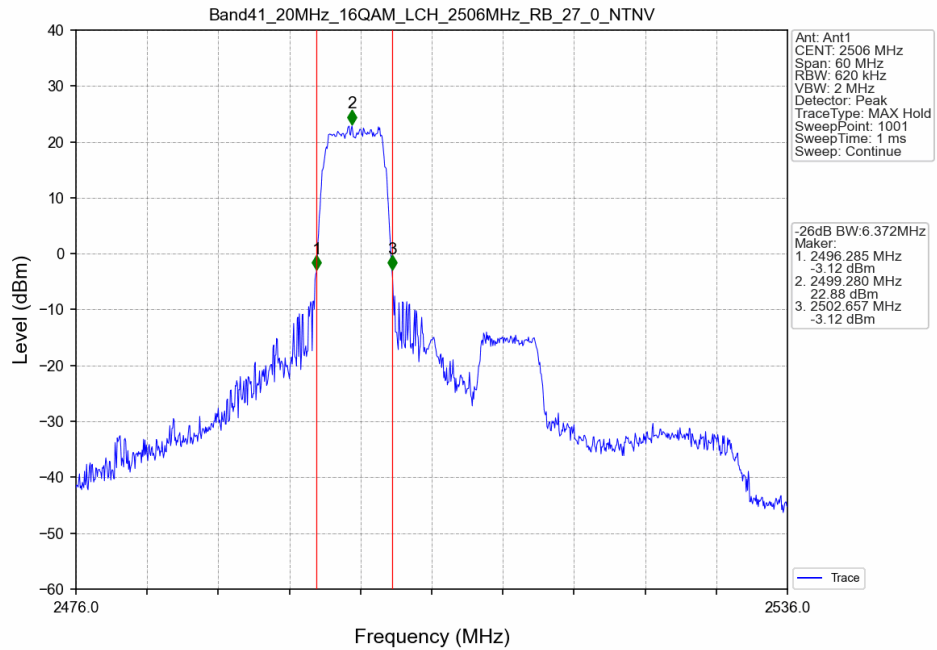
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



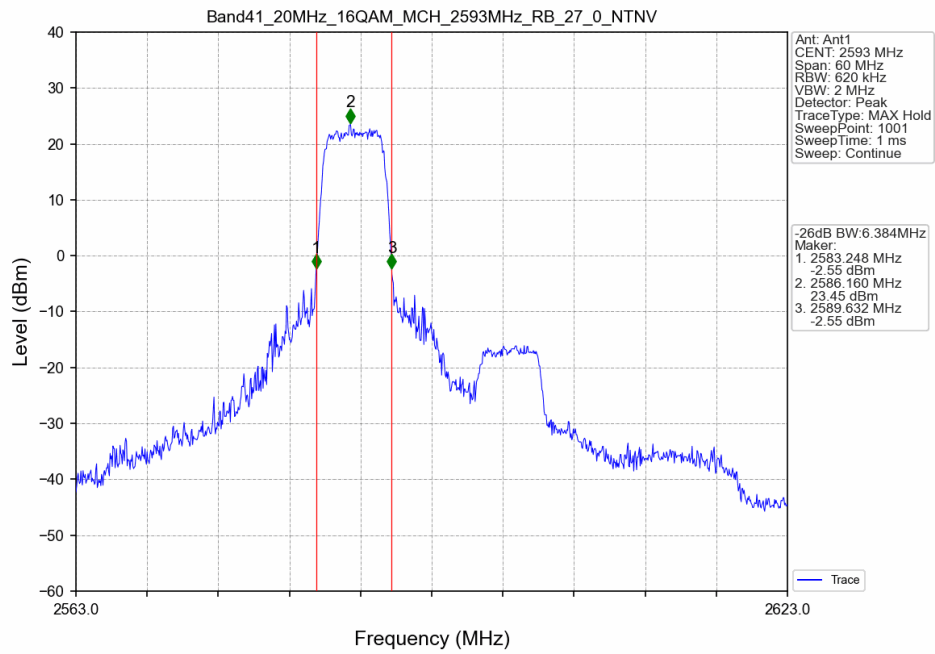
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



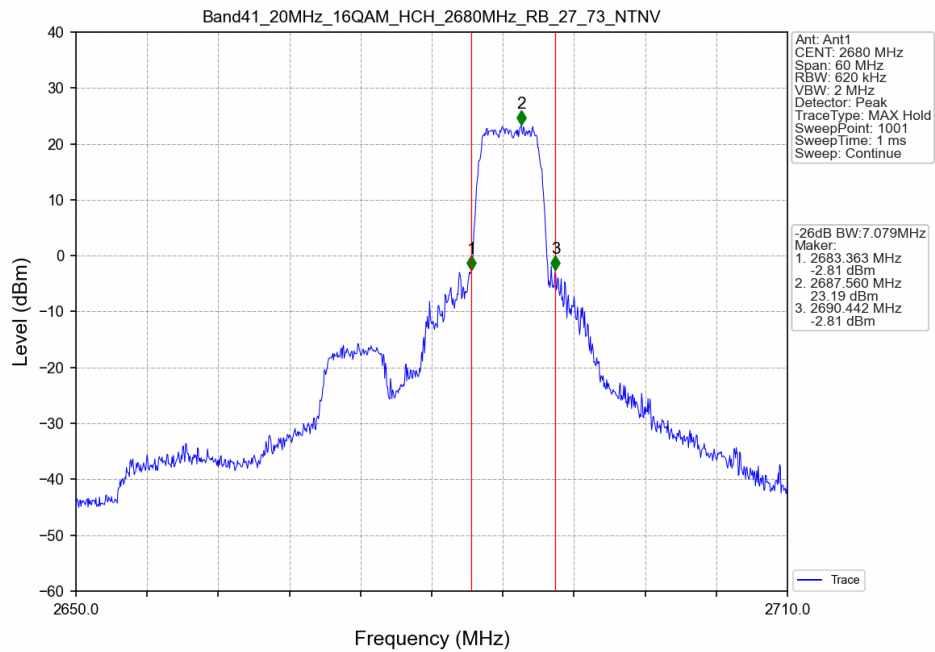
Band41_20MHz_16QAM_LCH_2506MHz_RB_27_0_NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 27 0 NTN



Band41 20MHz 16QAM HCH 2680MHz RB 27 73 NTN



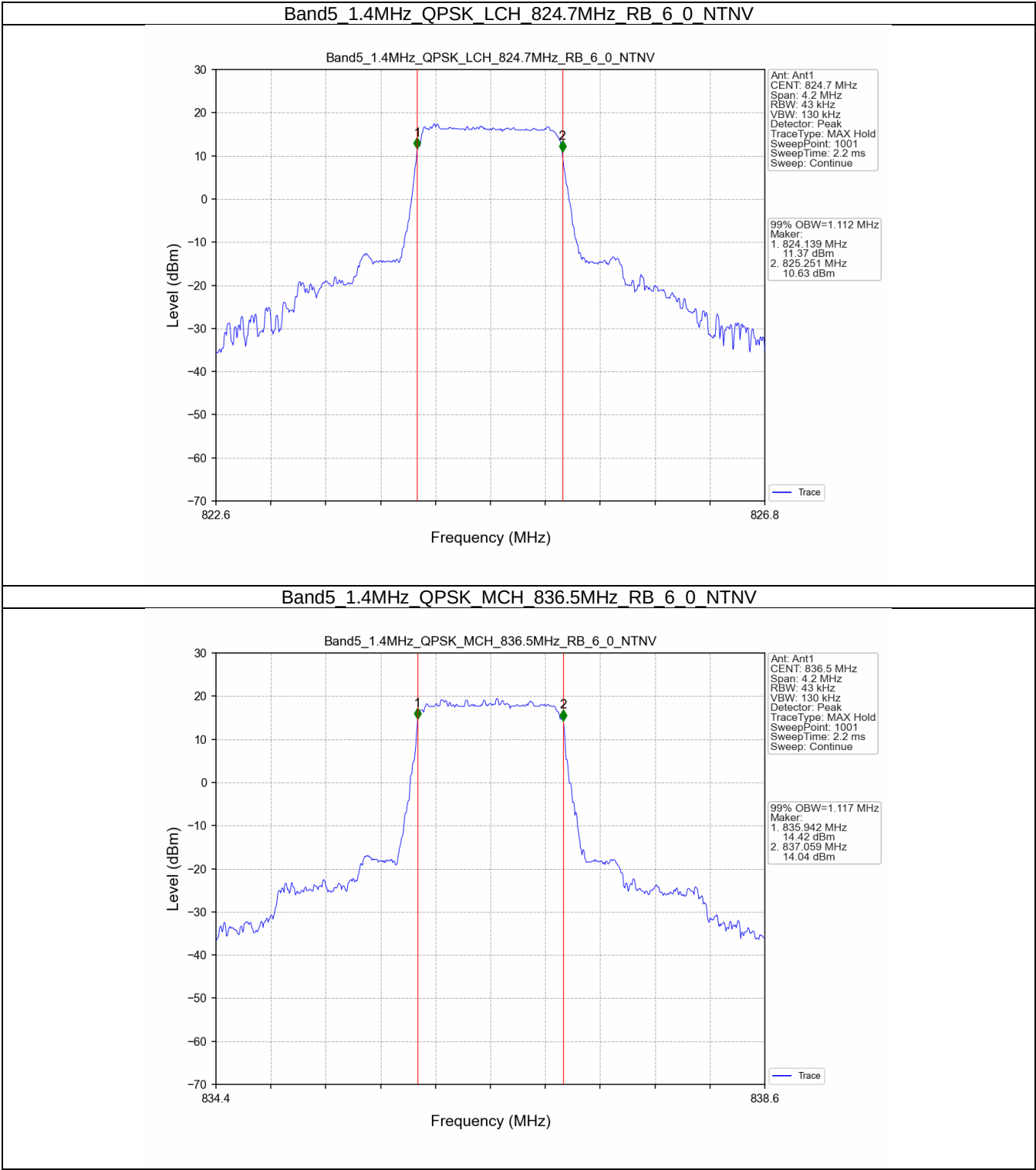
11. 99% & 26dB Bandwidth

11.1 Band5_OBW

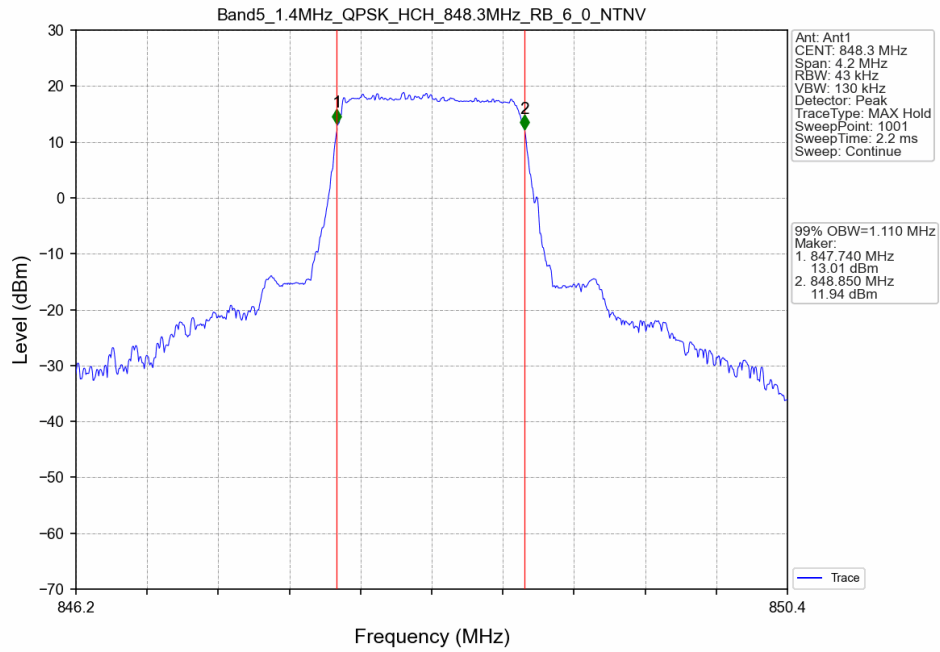
11.1.1 Test Result

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	1.112	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.115	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.112	/	Pass
3	QPSK	825.5	15	0	2.740	/	Pass
		836.5	15	0	2.726	/	Pass
		847.5	15	0	2.730	/	Pass
	16QAM	825.5	15	0	2.731	/	Pass
		836.5	15	0	2.727	/	Pass
		847.5	15	0	2.731	/	Pass
5	QPSK	826.5	25	0	4.566	/	Pass
		836.5	25	0	4.531	/	Pass
		846.5	25	0	4.536	/	Pass
	16QAM	826.5	25	0	4.551	/	Pass
		836.5	25	0	4.545	/	Pass
		846.5	25	0	4.527	/	Pass
10	QPSK	829	50	0	9.092	/	Pass
		836.5	50	0	8.961	/	Pass
		844	50	0	9.047	/	Pass
	16QAM	829	27	0	5.079	/	Pass
		836.5	27	0	5.013	/	Pass
		844	27	23	5.016	/	Pass

11.1.2 Test Graph



Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN

