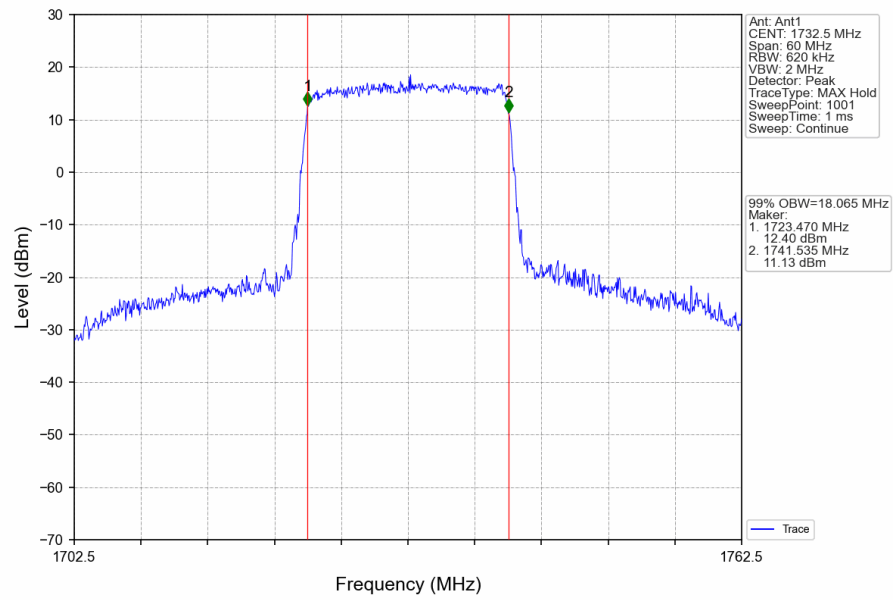
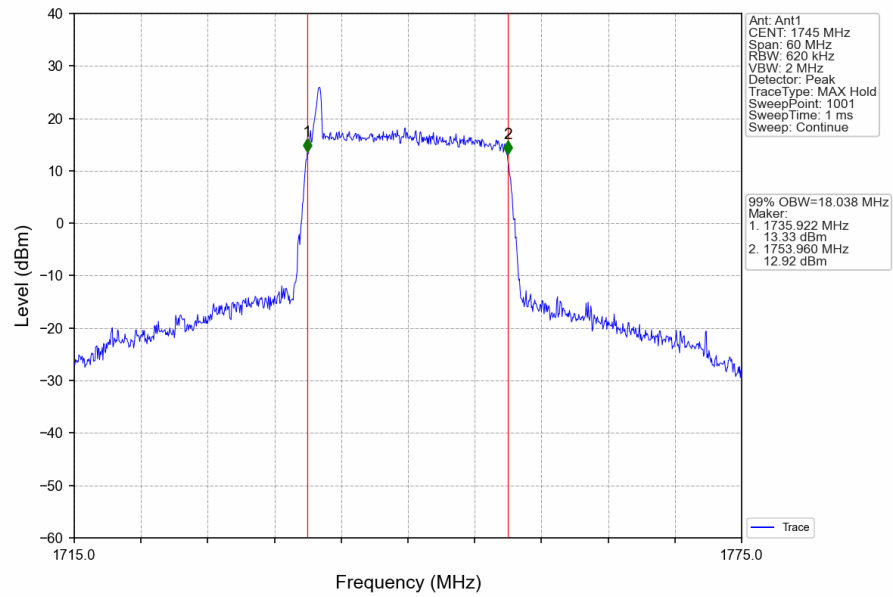


Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV

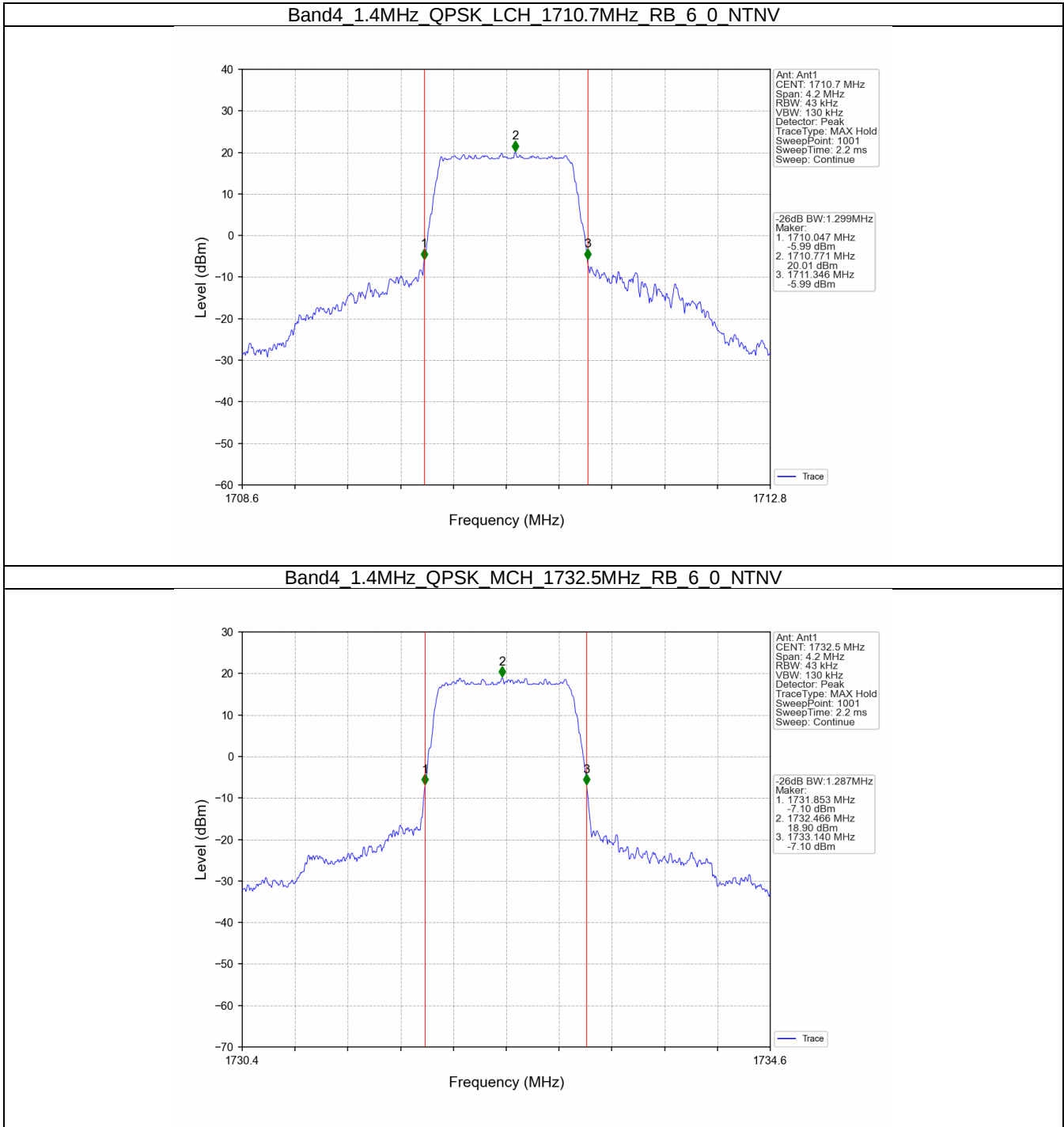


2.2 Band4_XDB

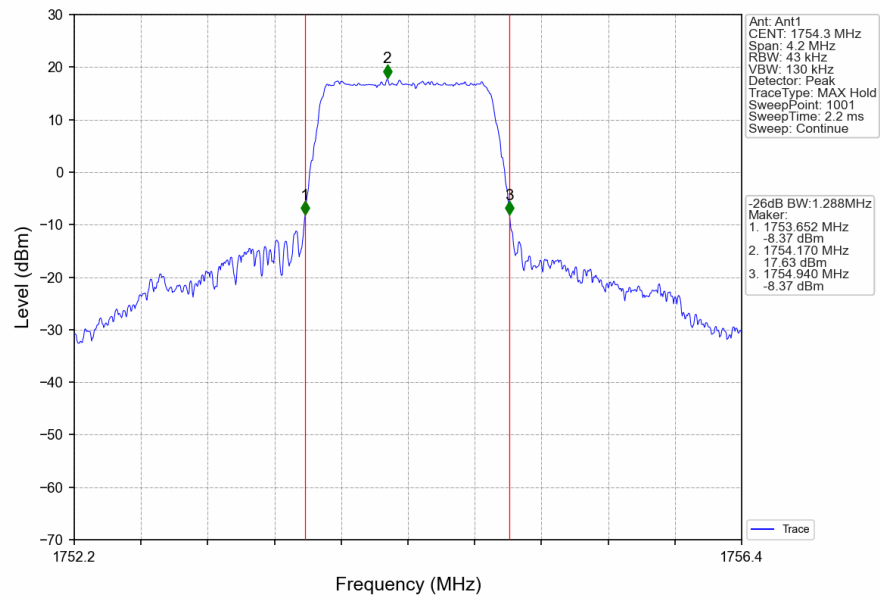
2.2.1 Test Result

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

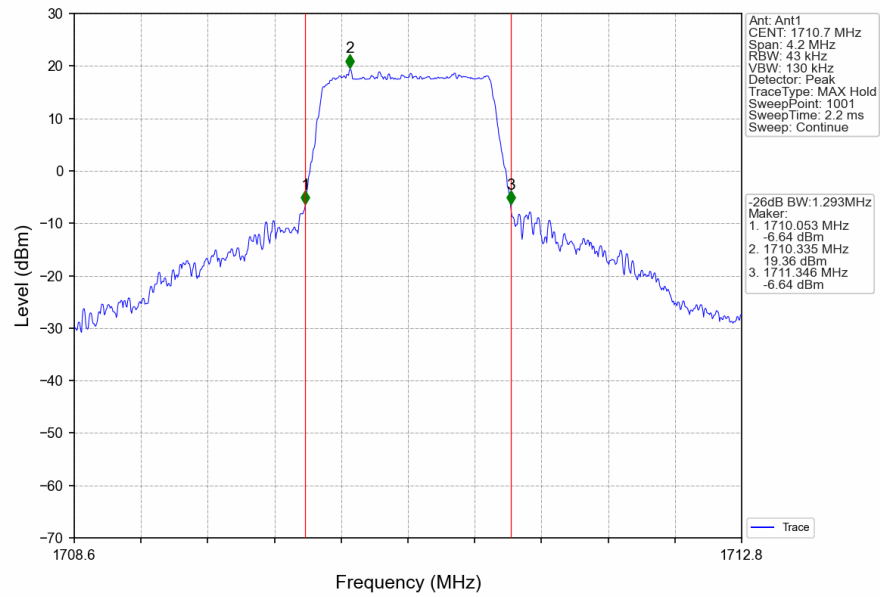
2.2.2 Test Graph



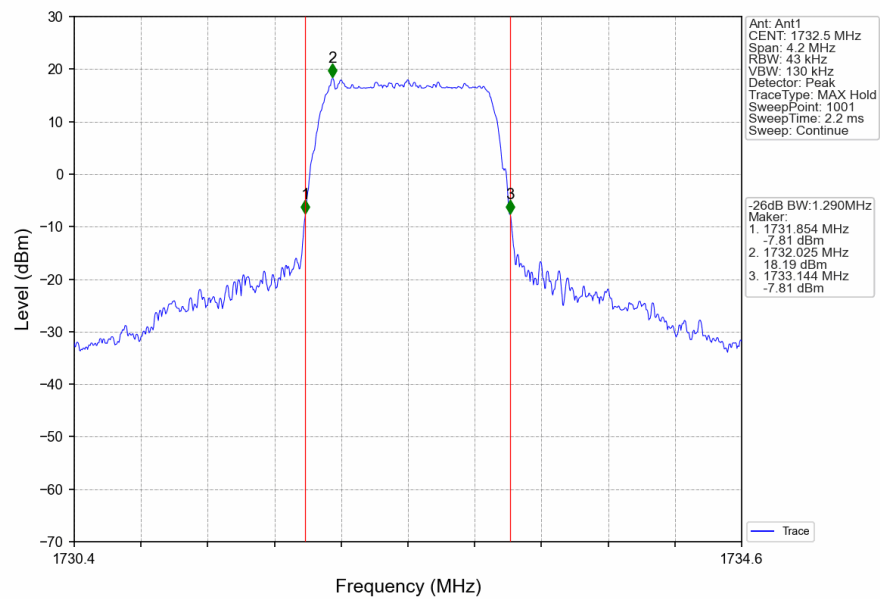
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



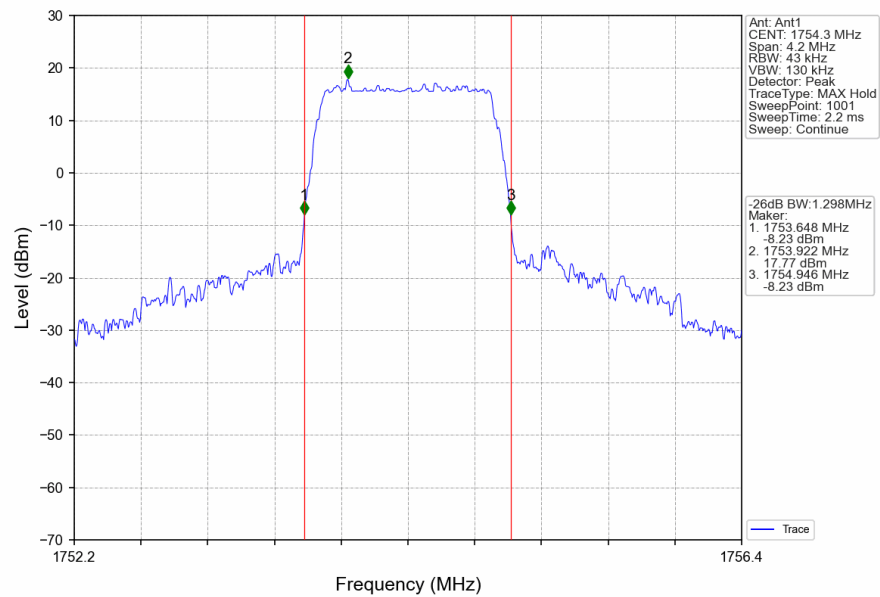
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



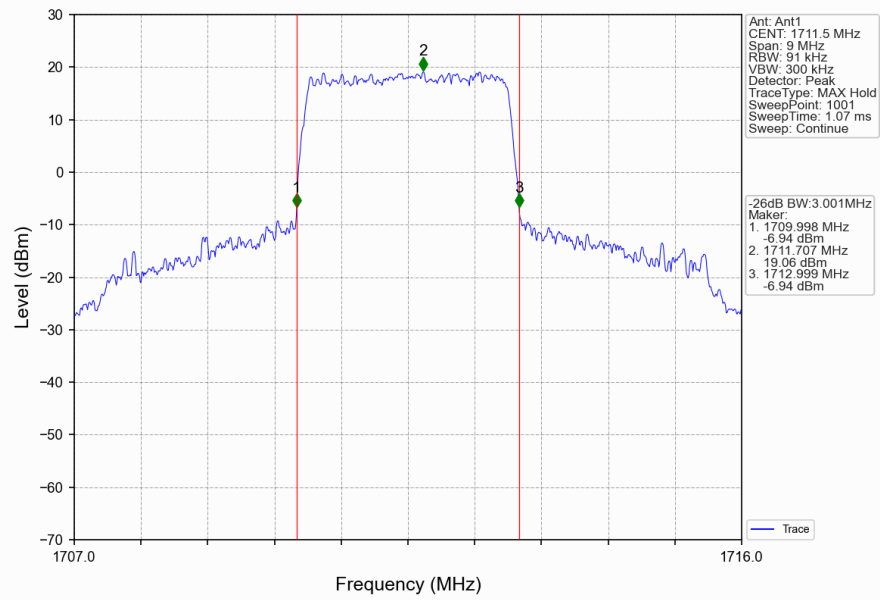
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



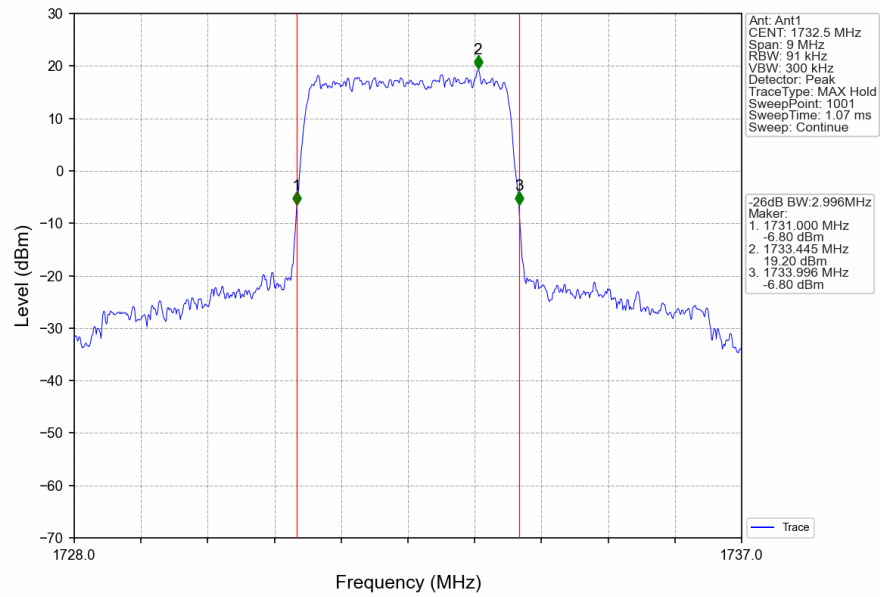
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



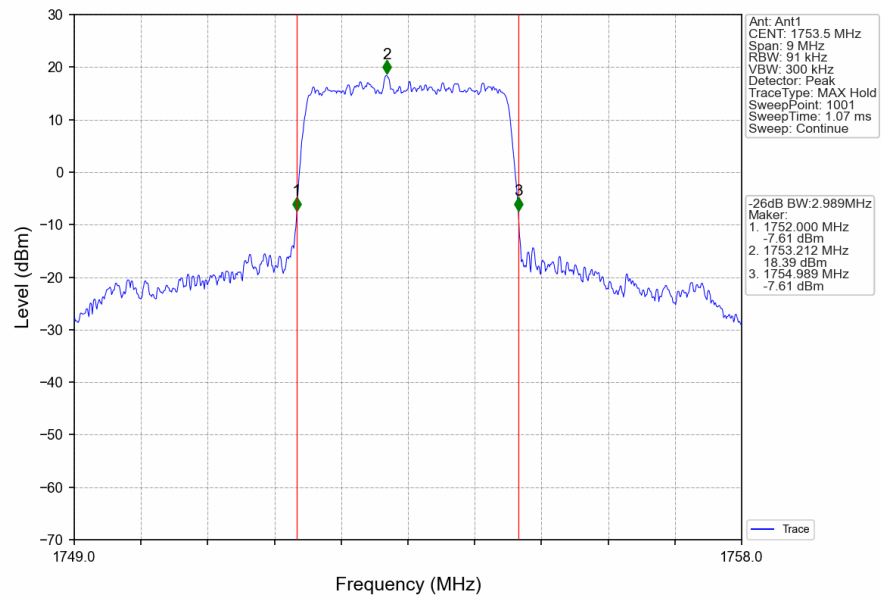
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTV



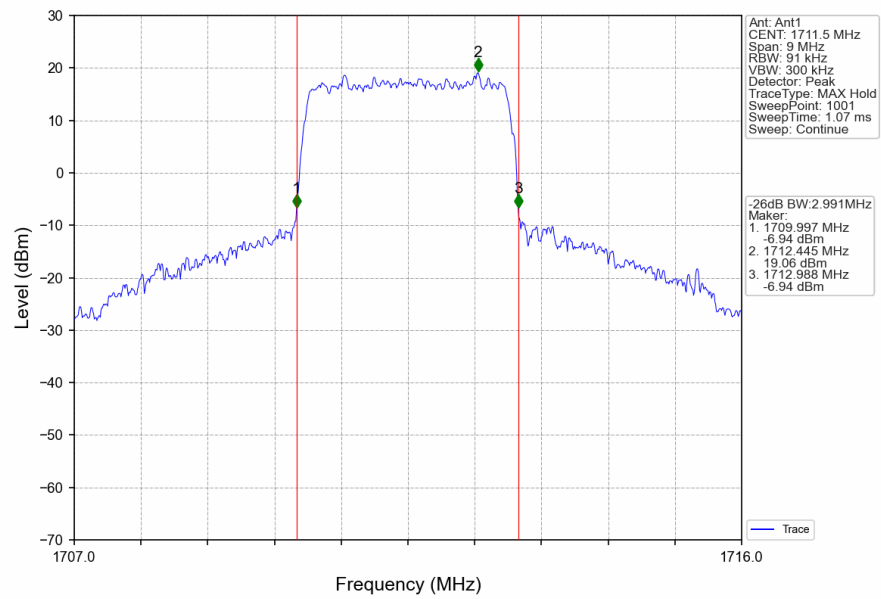
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTV



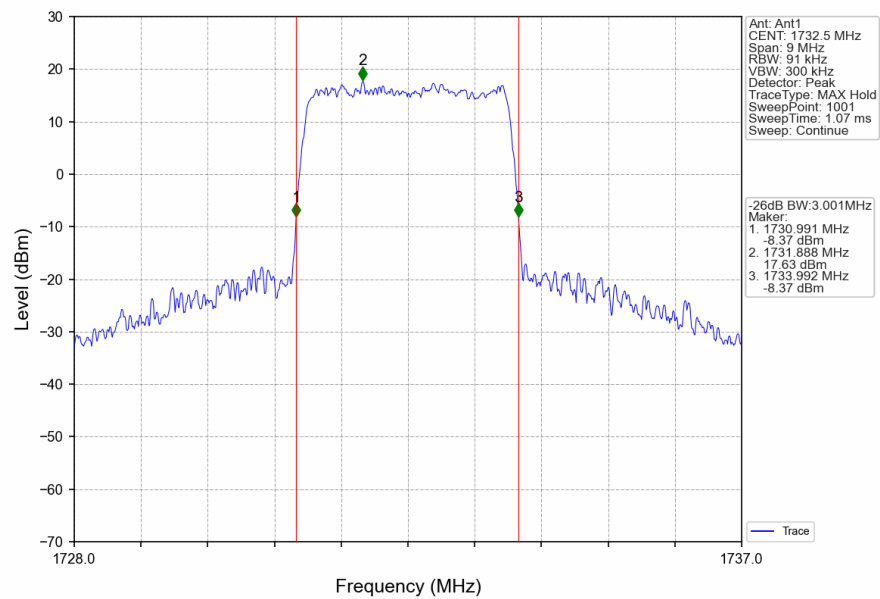
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



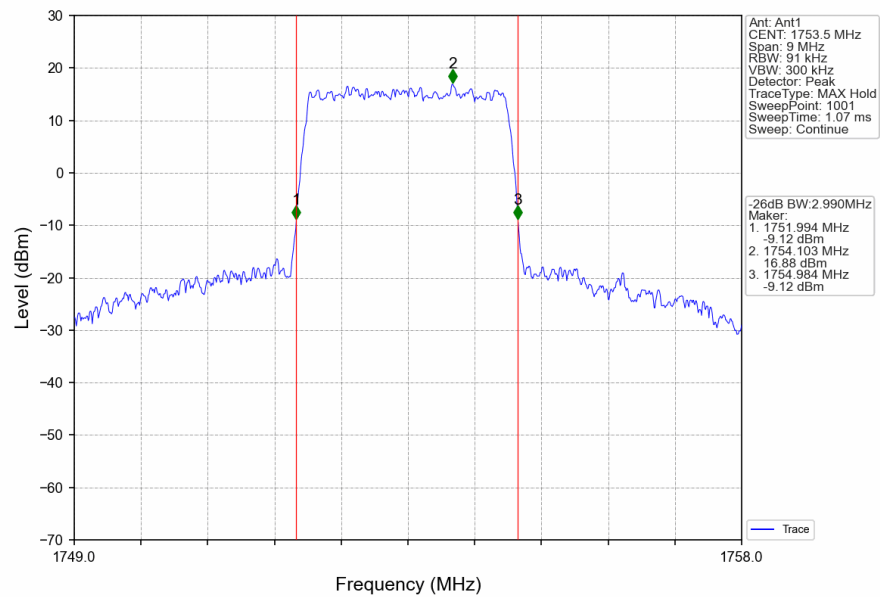
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



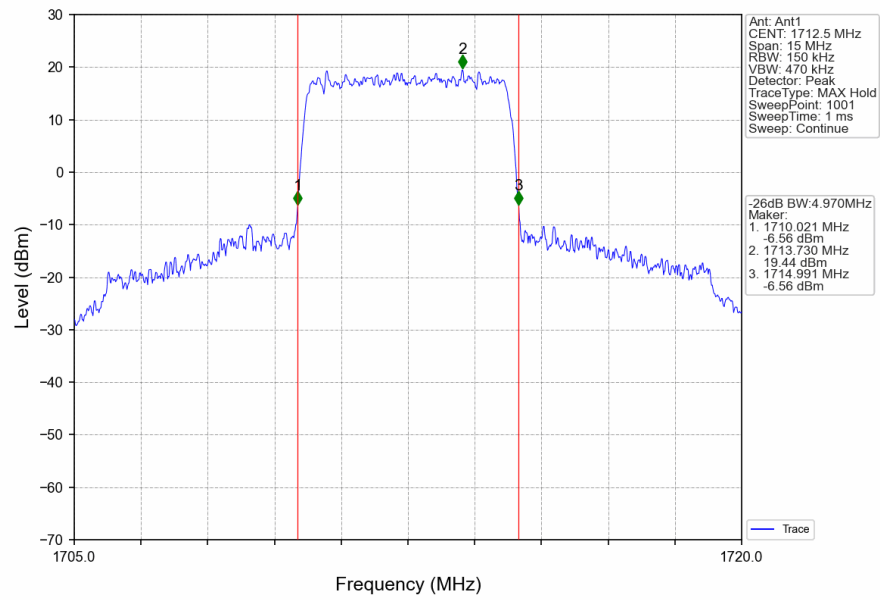
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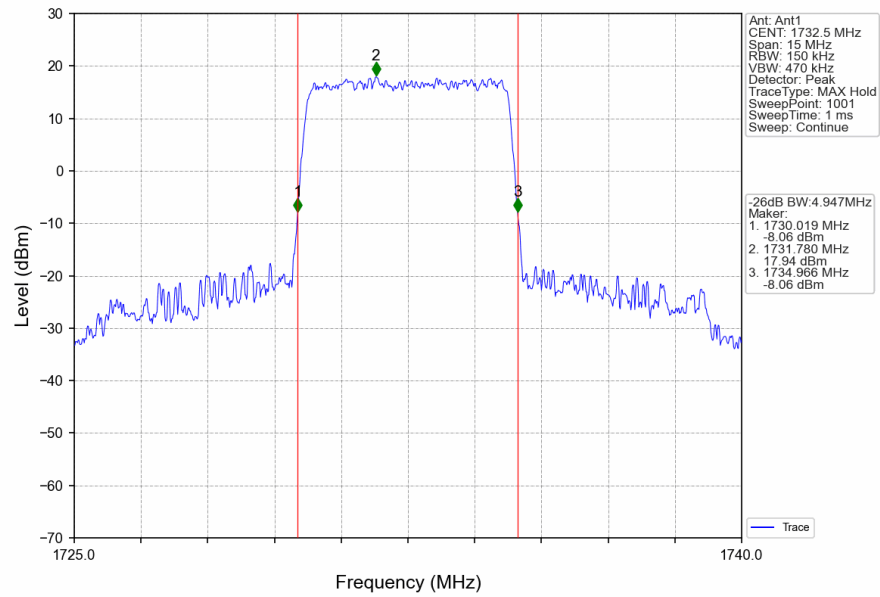
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



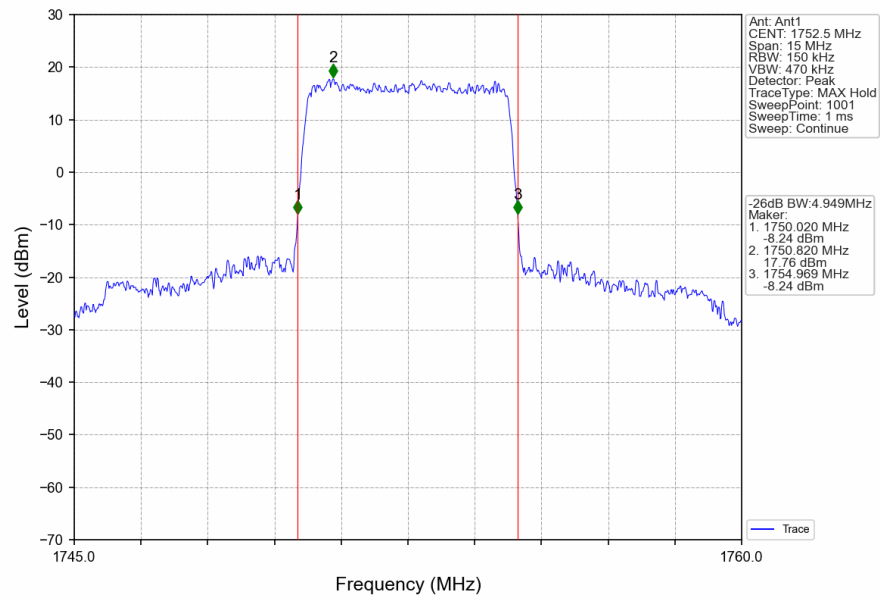
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTV



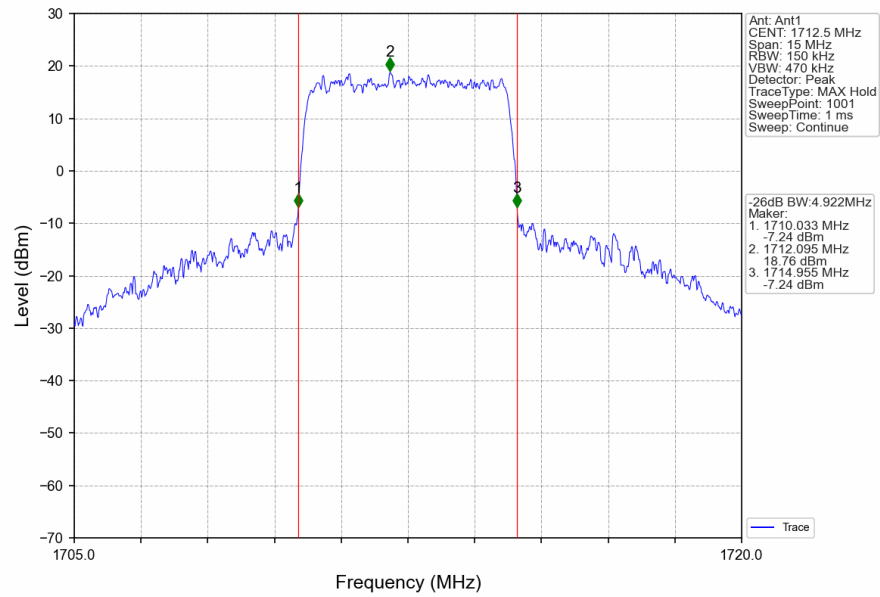
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTV



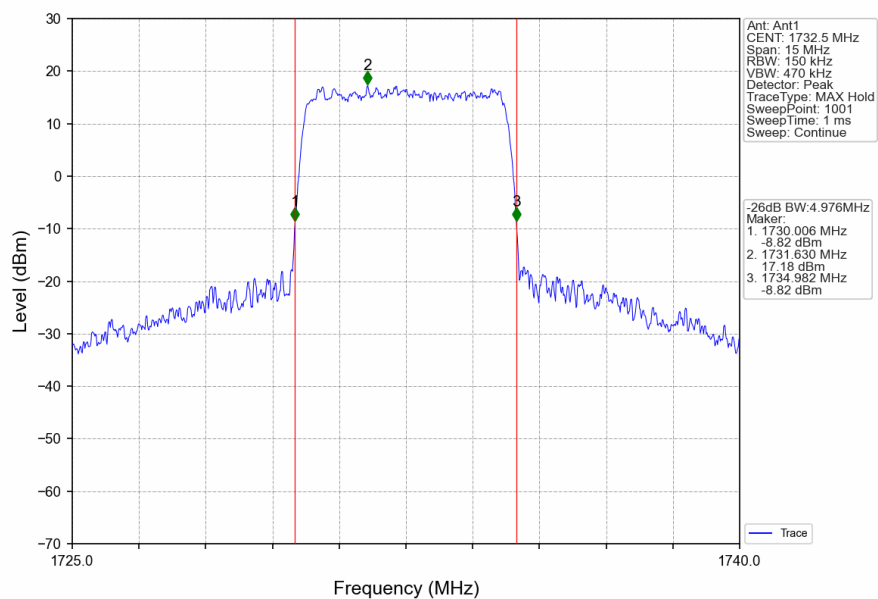
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



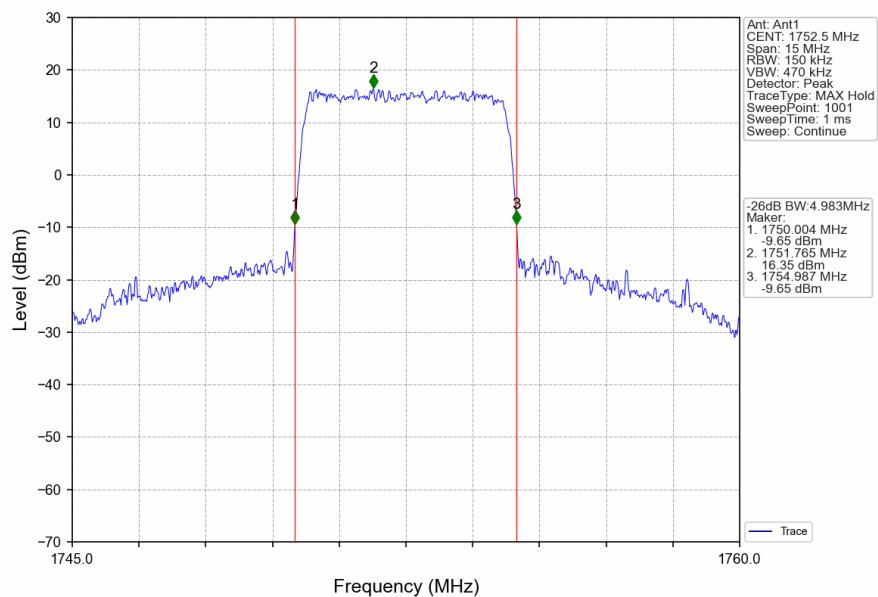
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



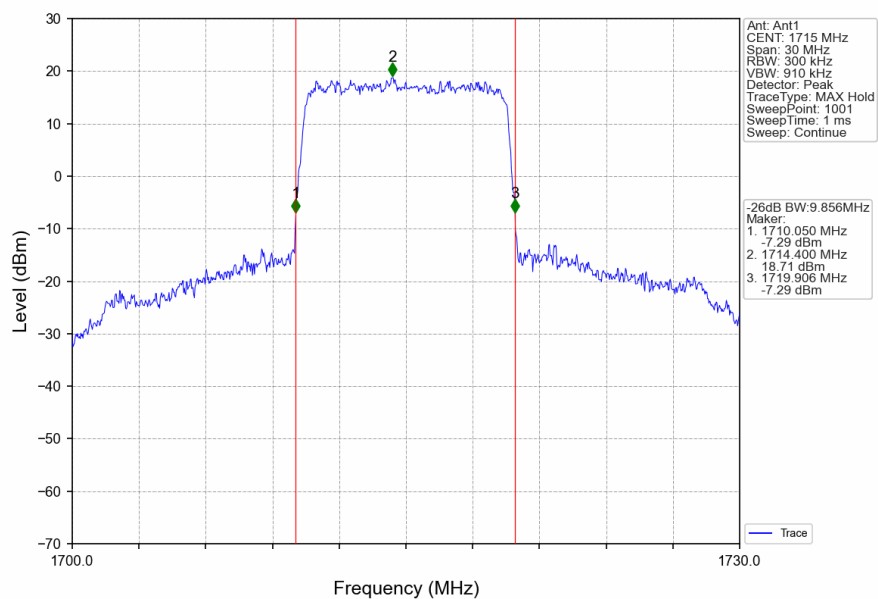
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



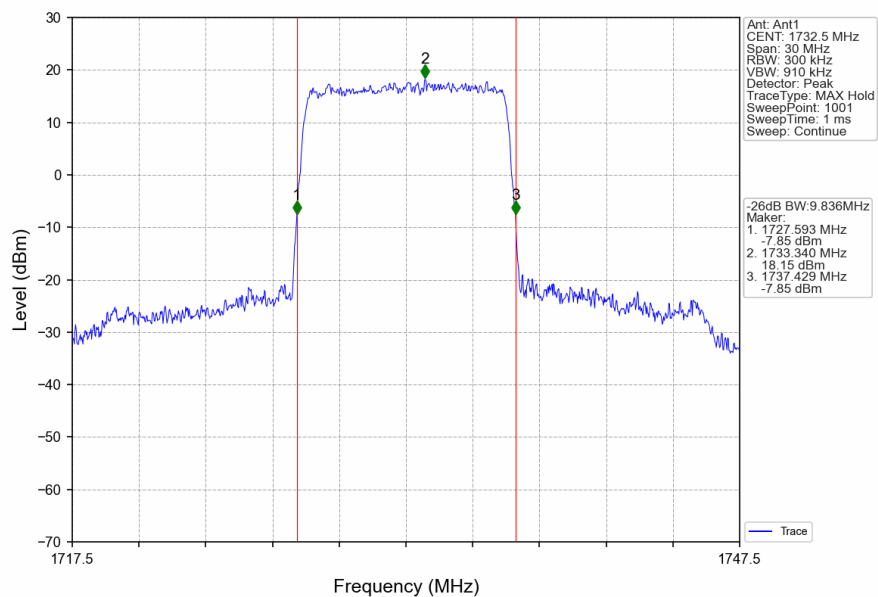
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



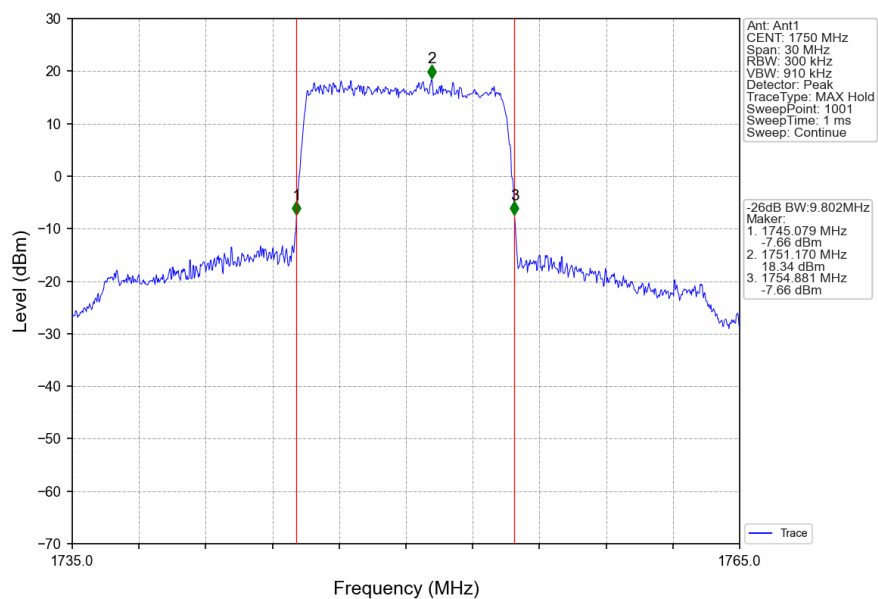
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



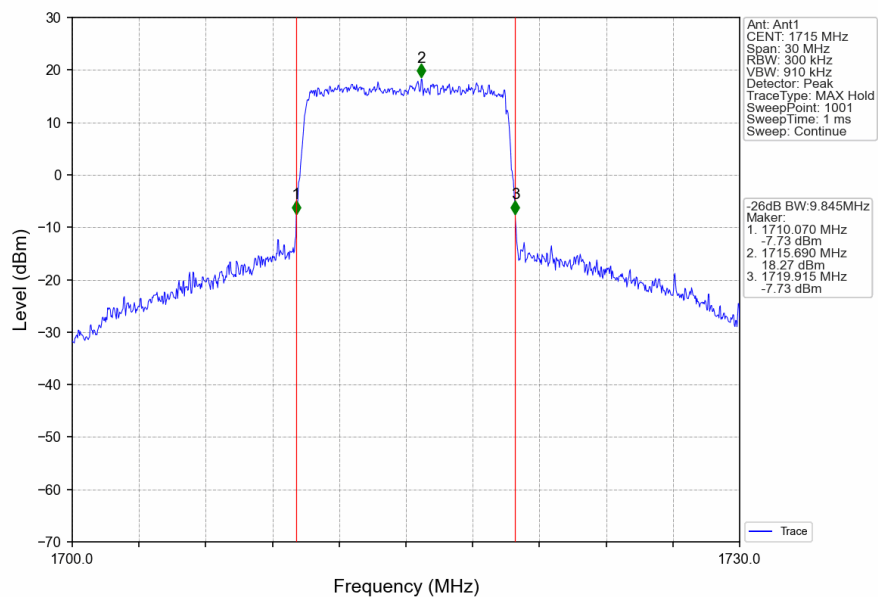
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



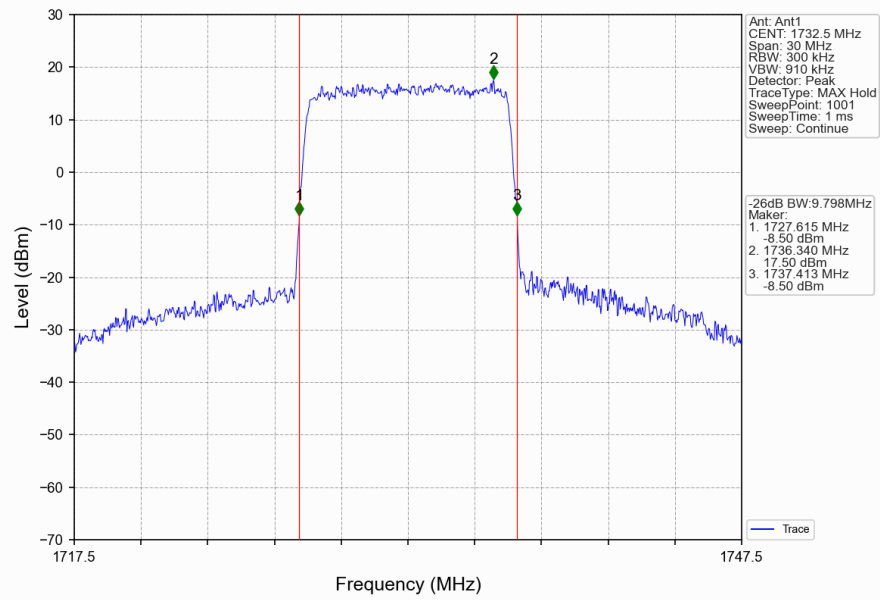
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



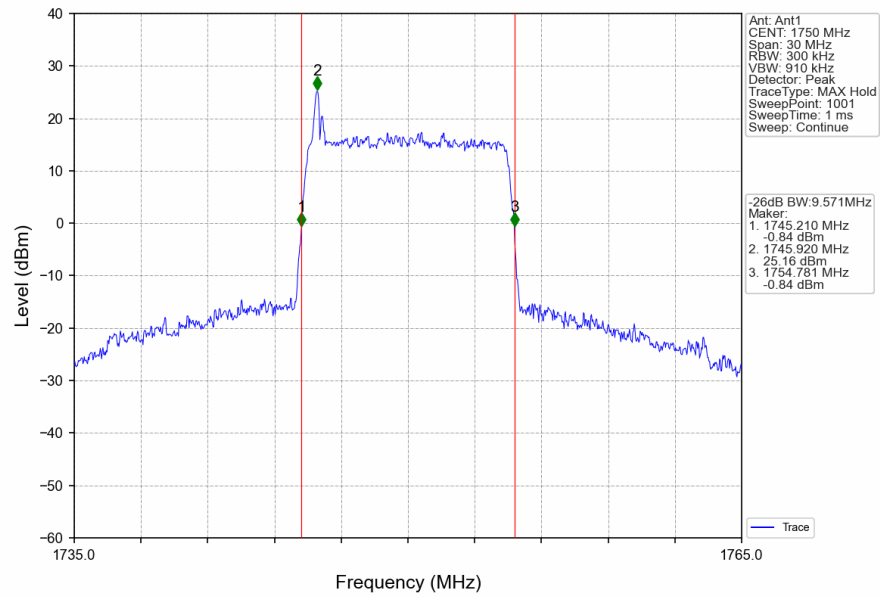
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



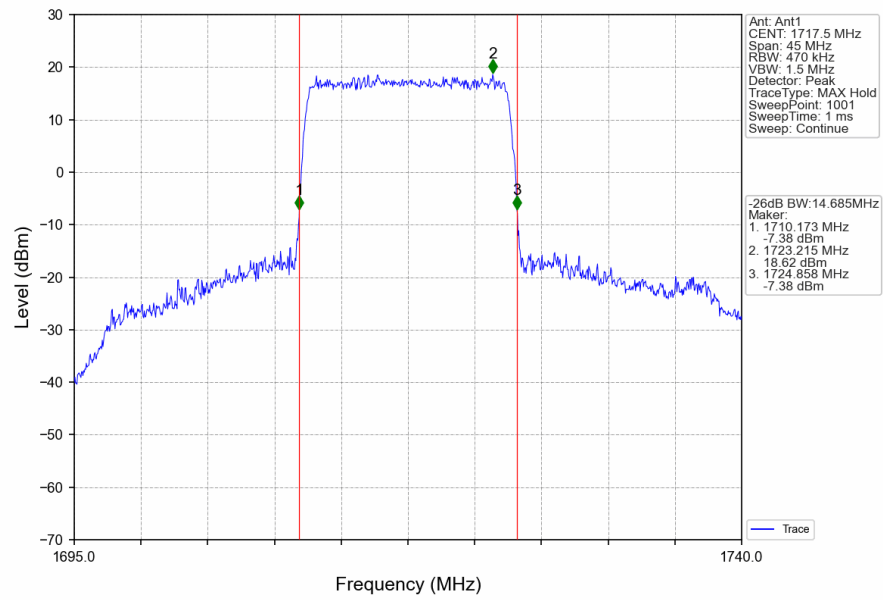
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTNV



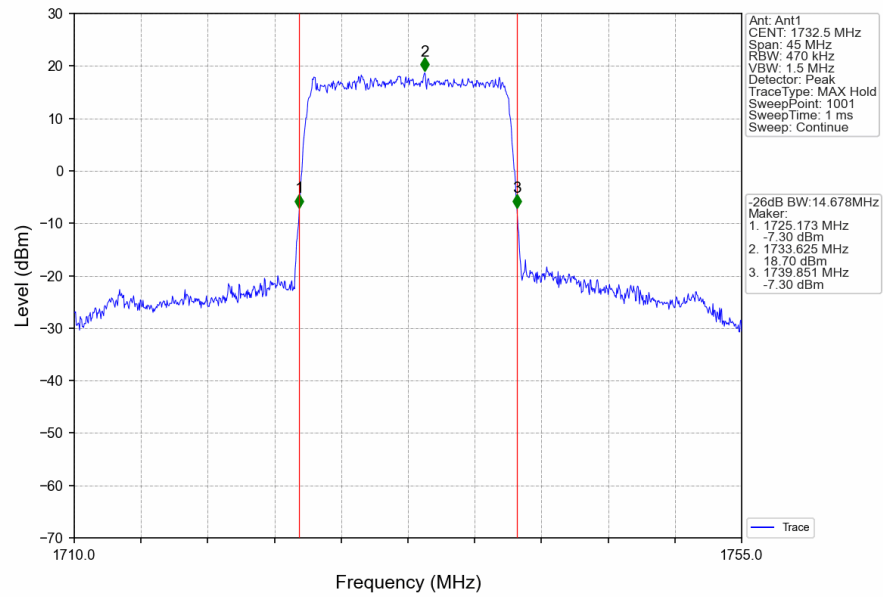
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTNV



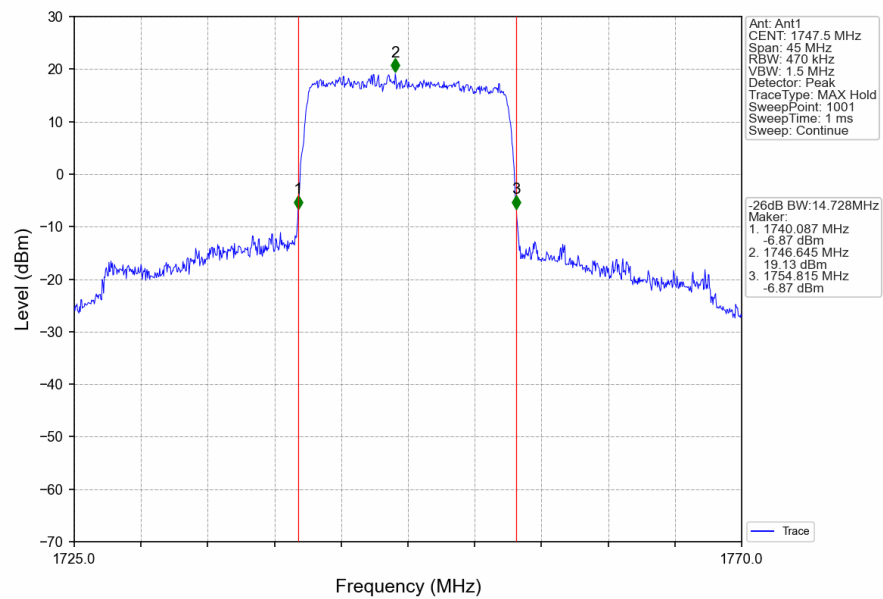
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



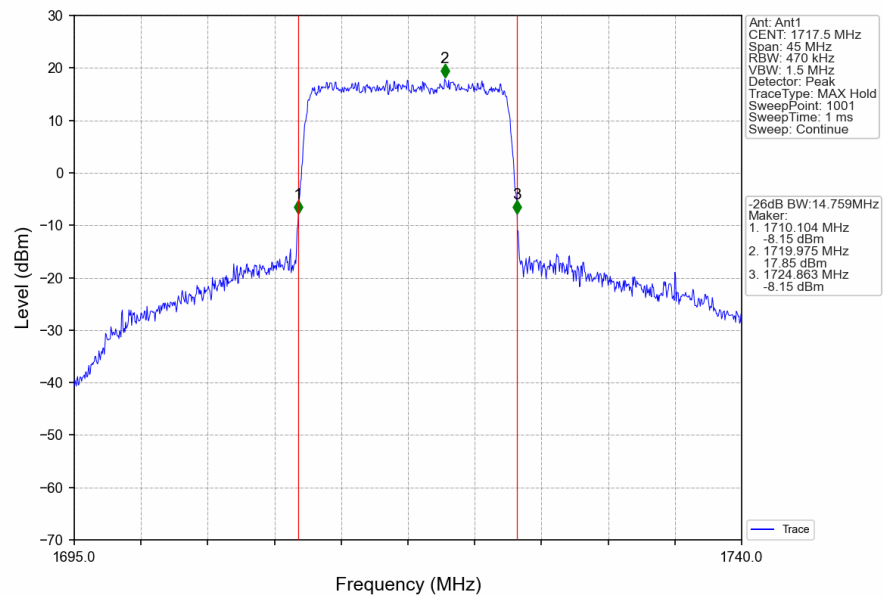
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



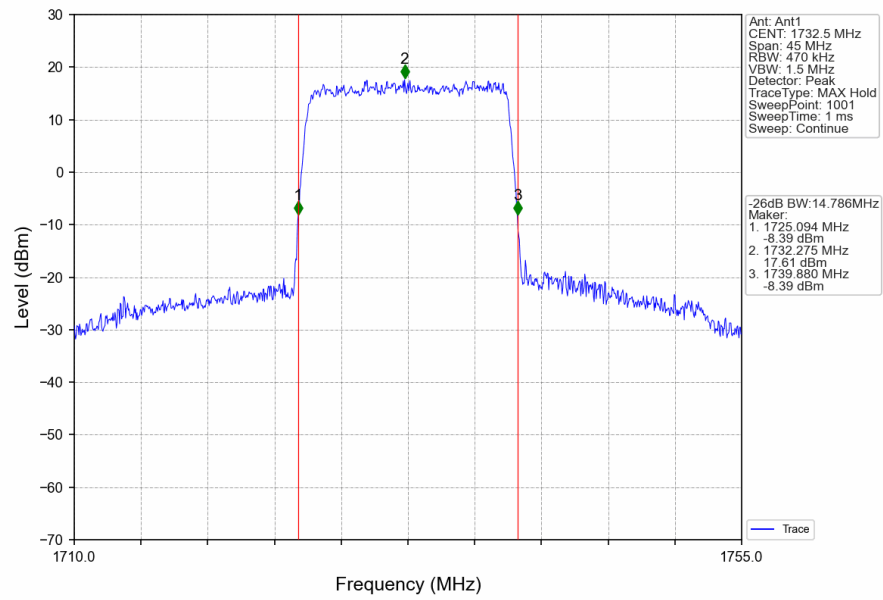
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



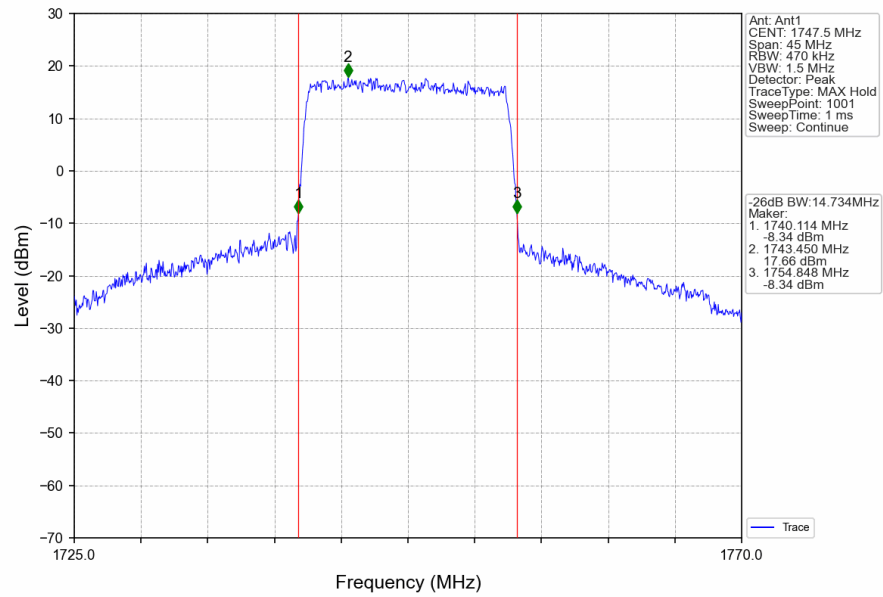
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



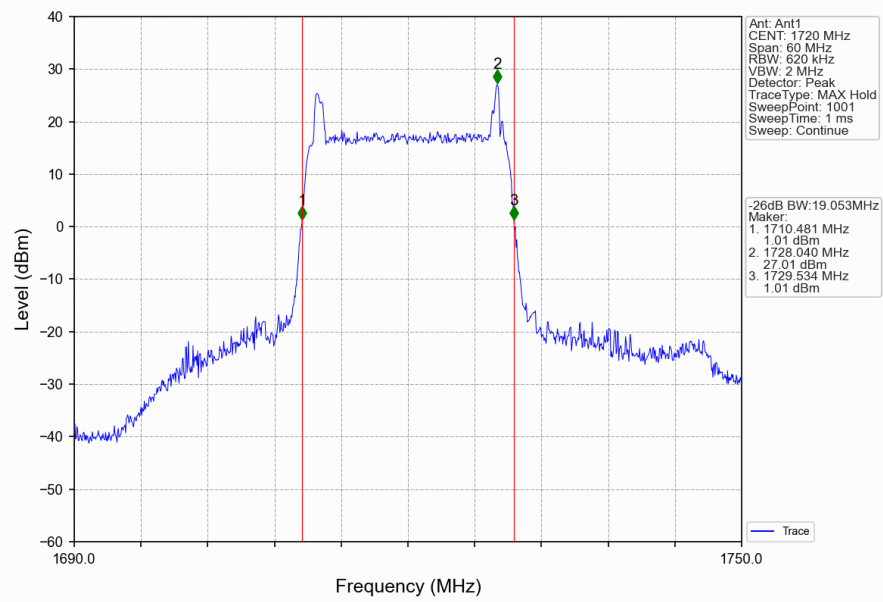
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTNV



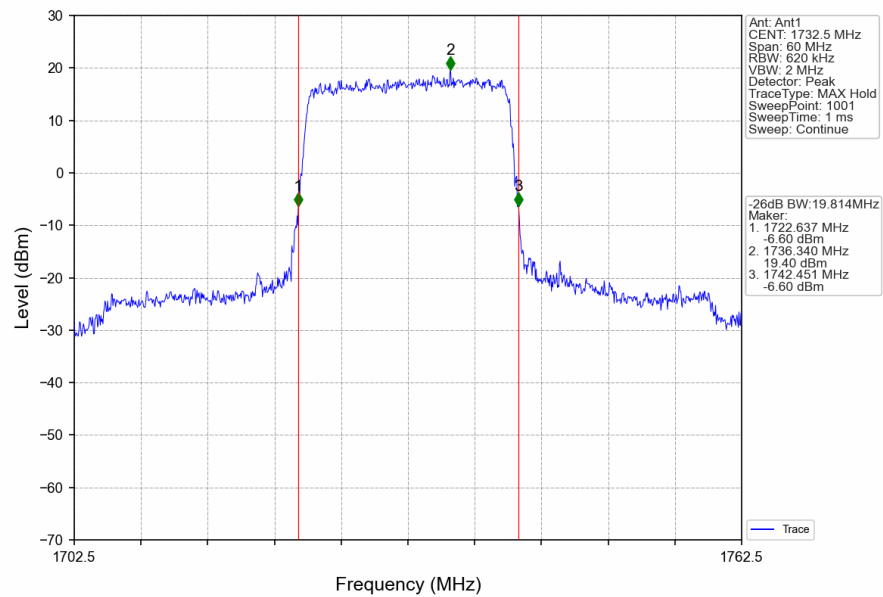
Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTNV



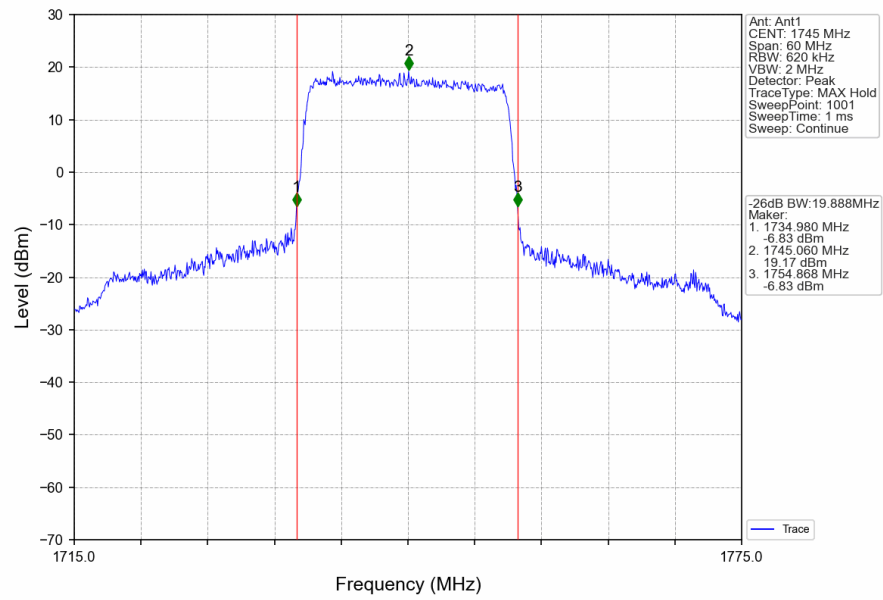
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



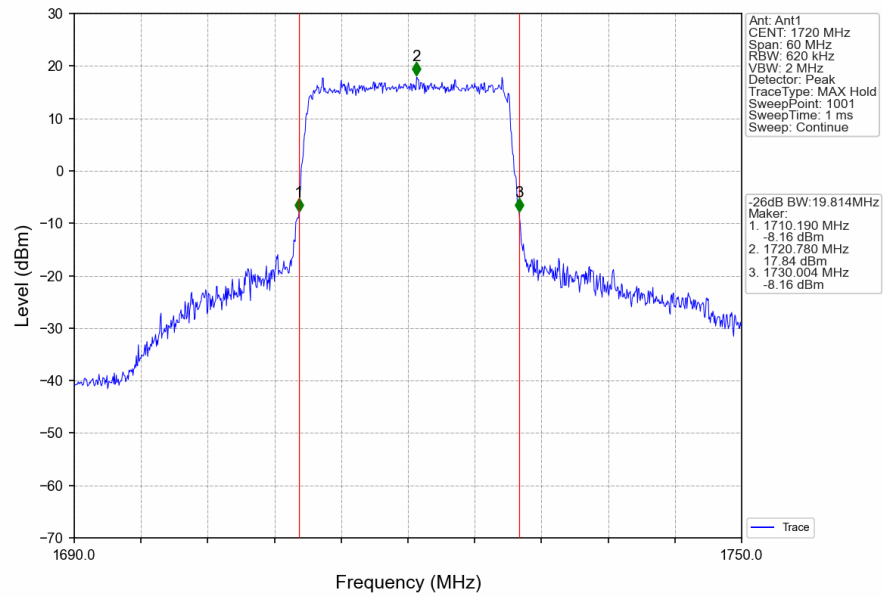
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



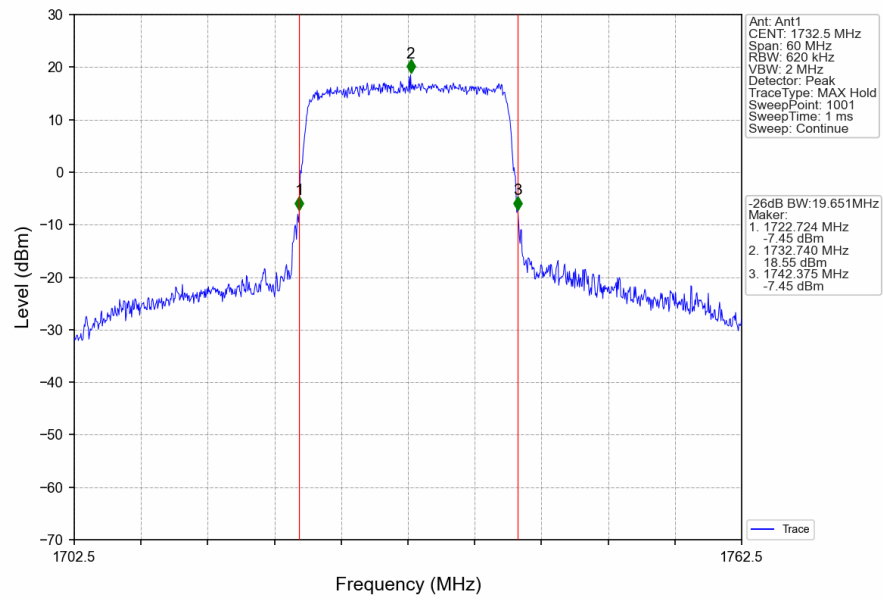
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



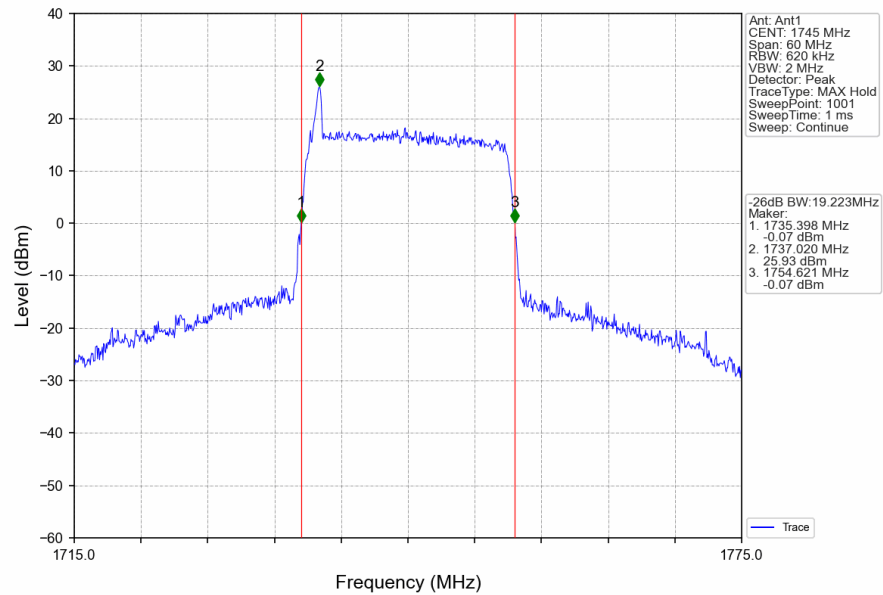
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



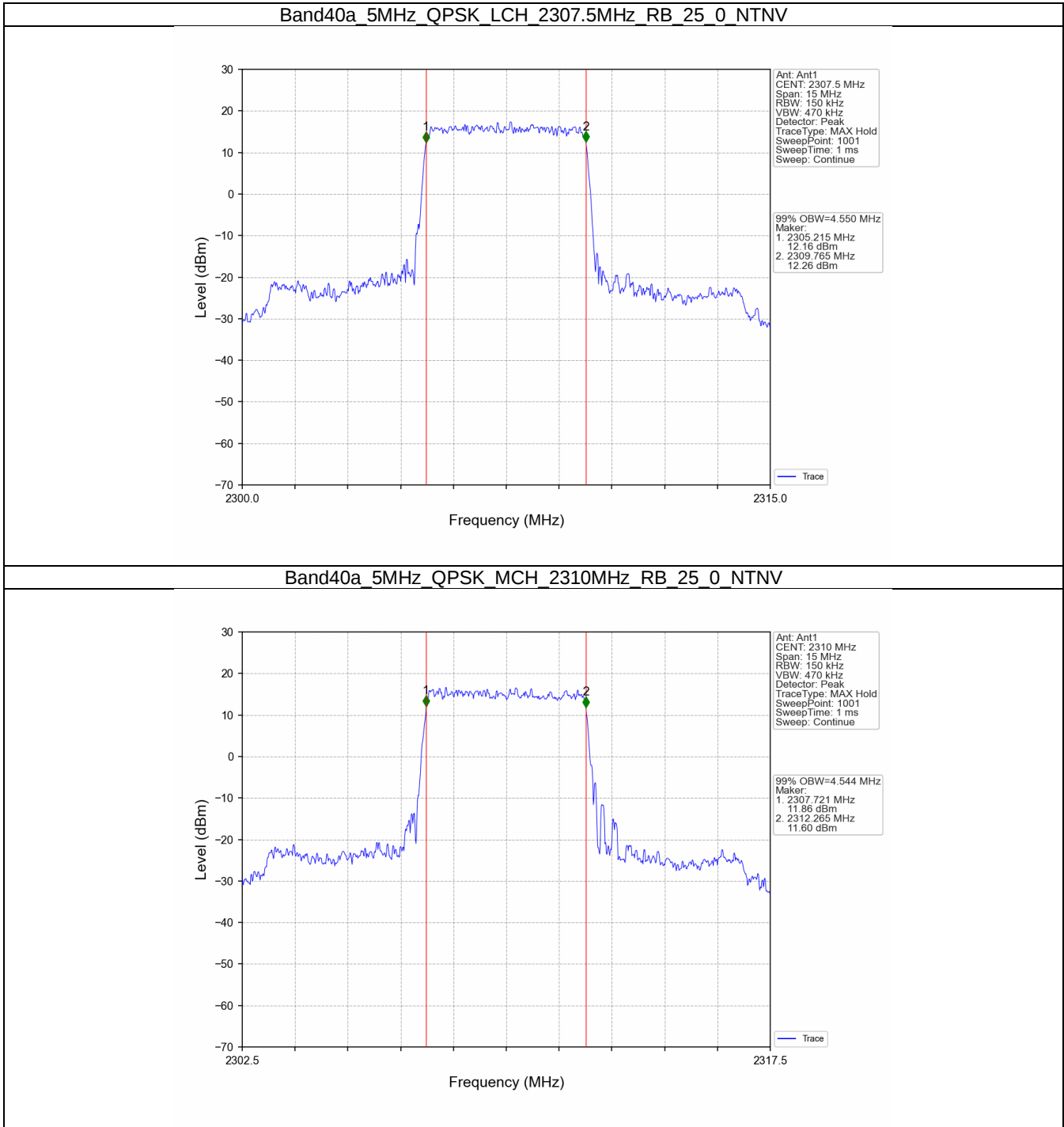
3. 99% & 26dB Bandwidth

3.1 Band40a_OBW

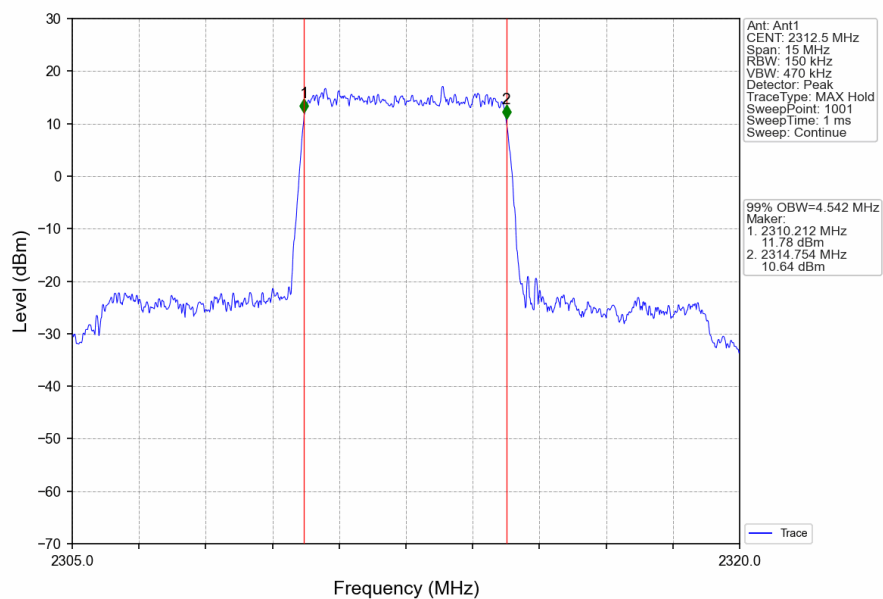
3.1.1 Test Result

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

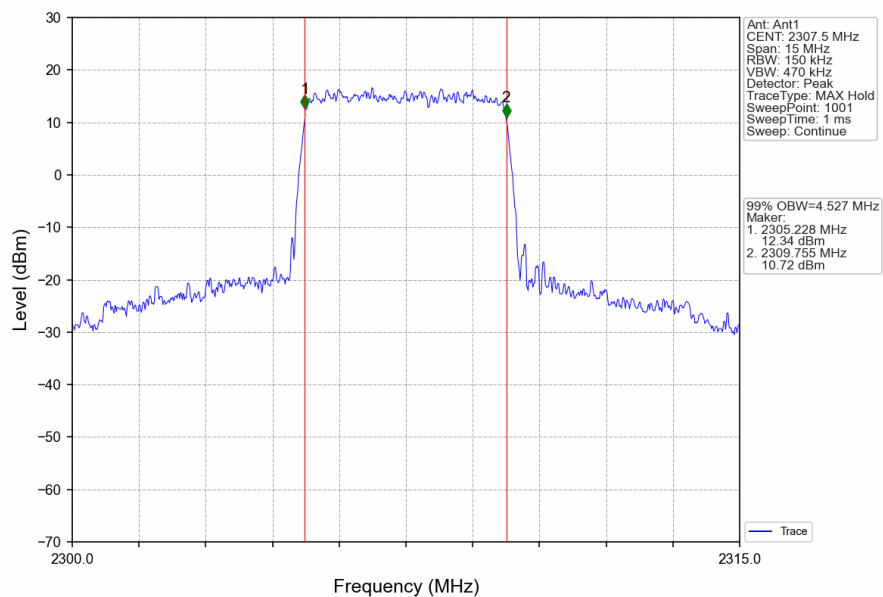
3.1.2 Test Graph



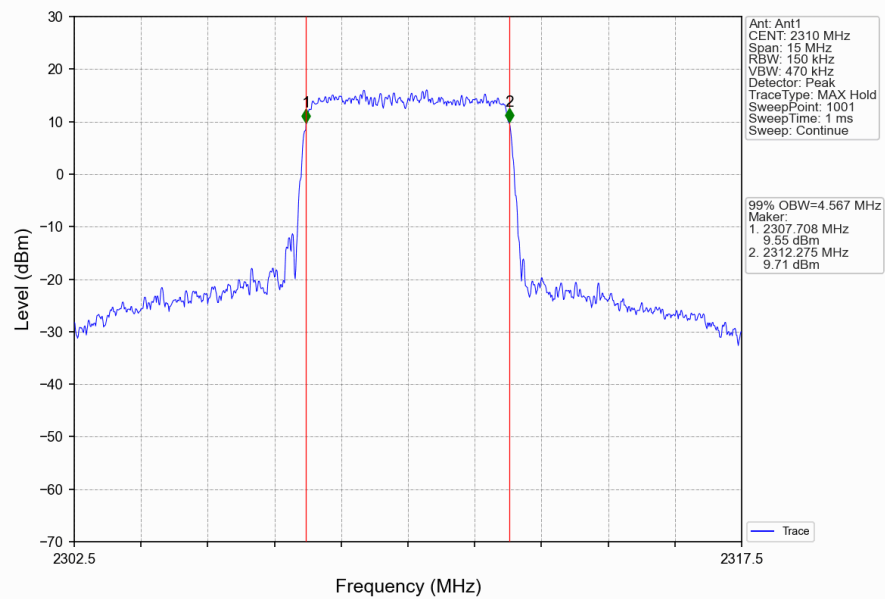
Band40a 5MHz QPSK HCH 2312.5MHz RB 25 0 NTN



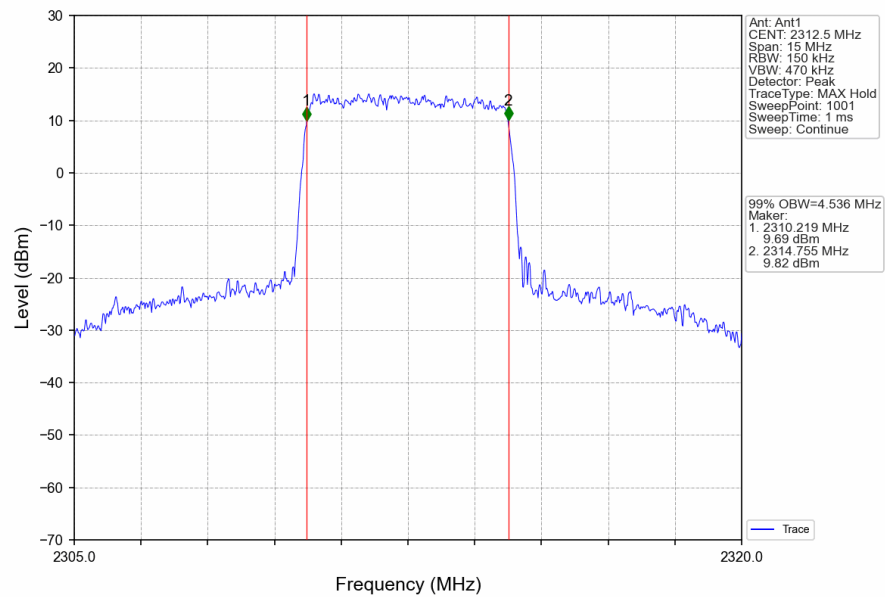
Band40a 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTN



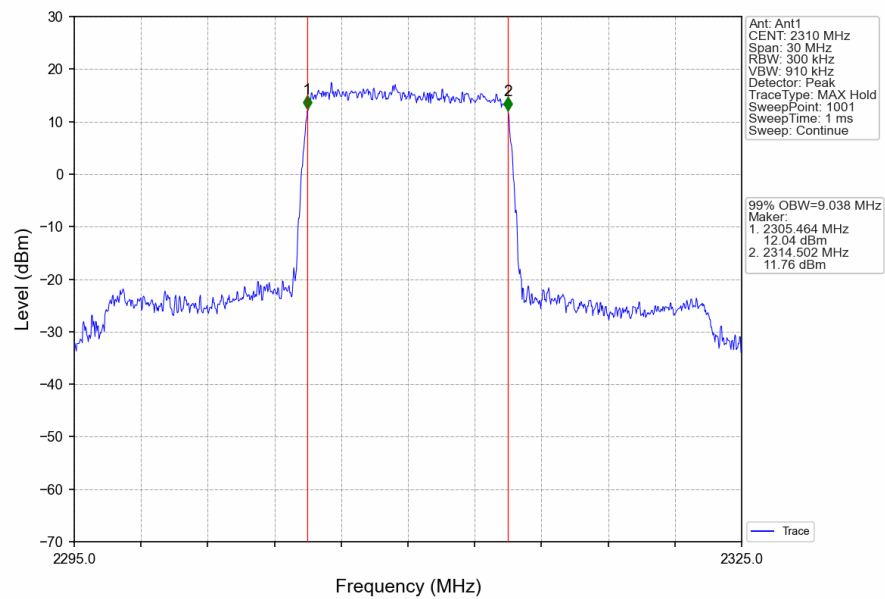
Band40a 5MHz 16QAM MCH 2310MHz RB 25 0 NTN



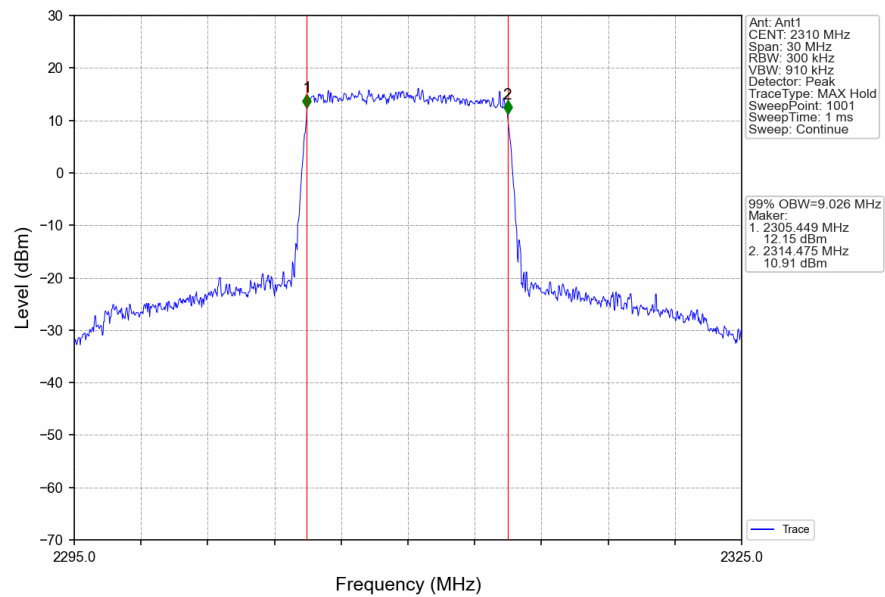
Band40a 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTN



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV

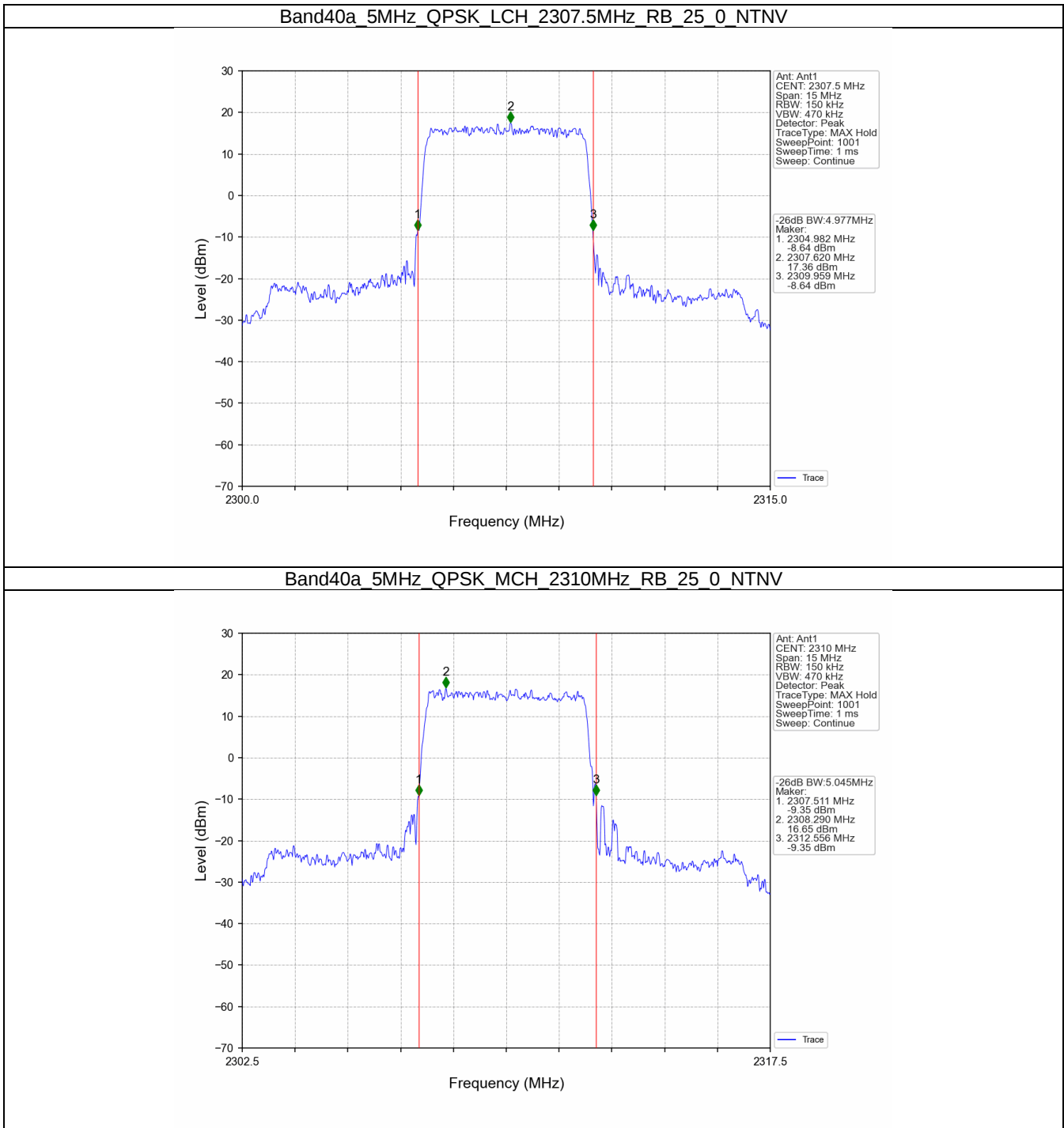


3.2 Band40a_XDB

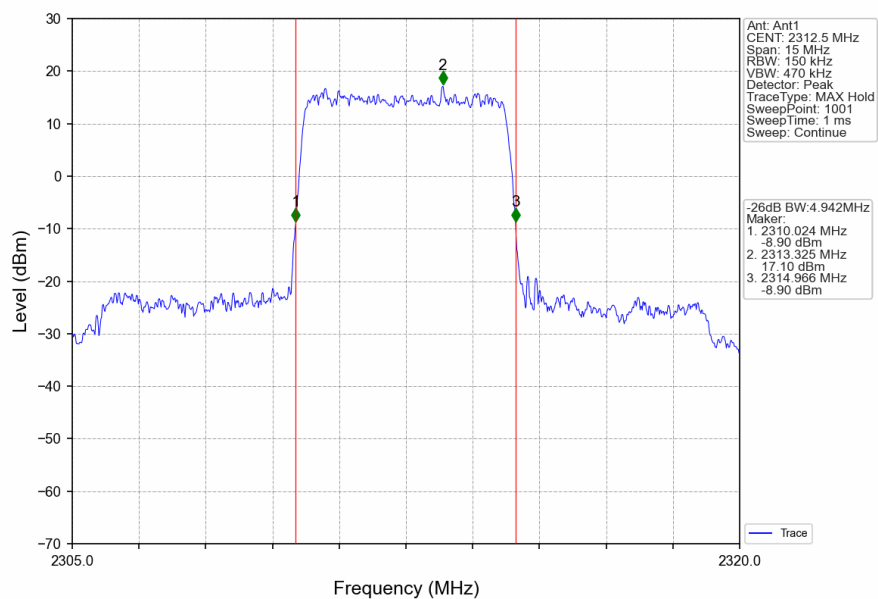
3.2.1 Test Result

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

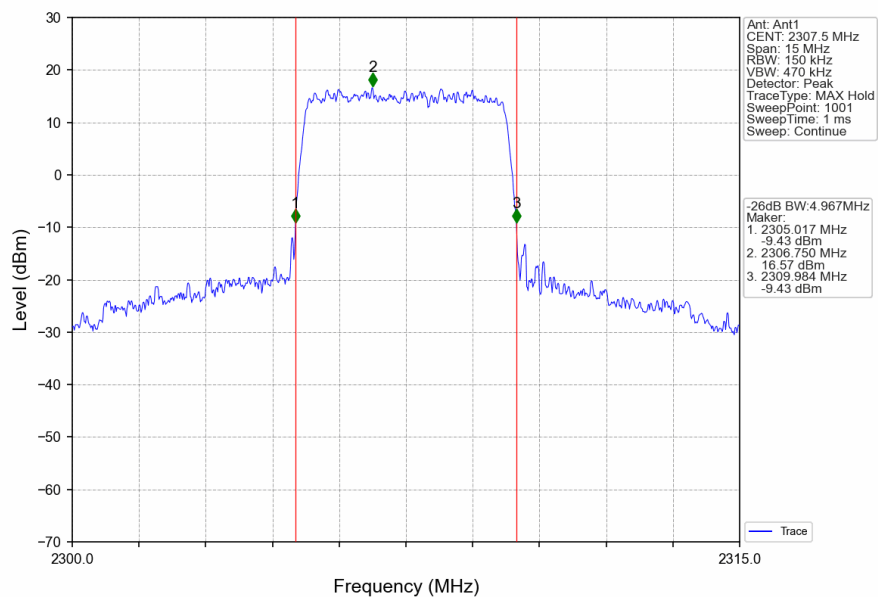
3.2.2 Test Graph



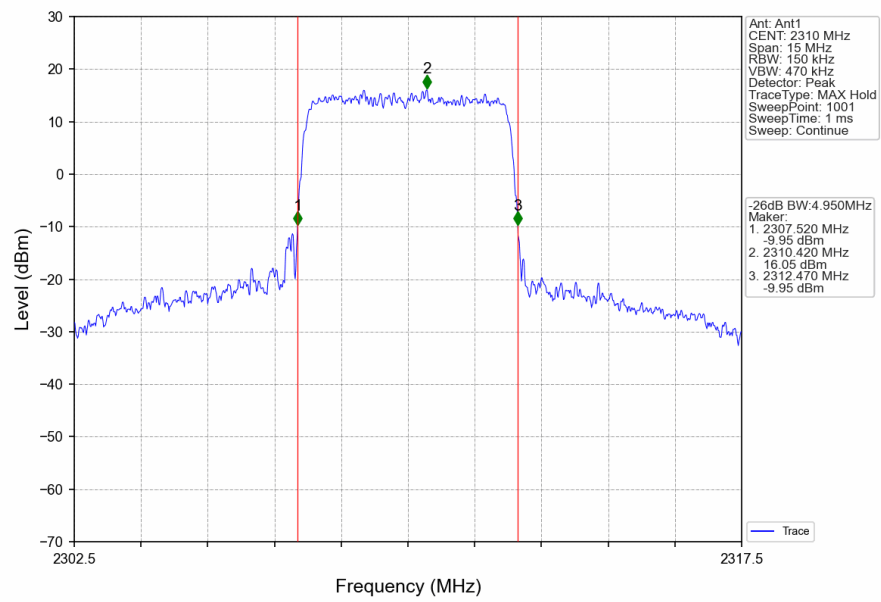
Band40a 5MHz QPSK HCH 2312.5MHz RB 25 0 NTN



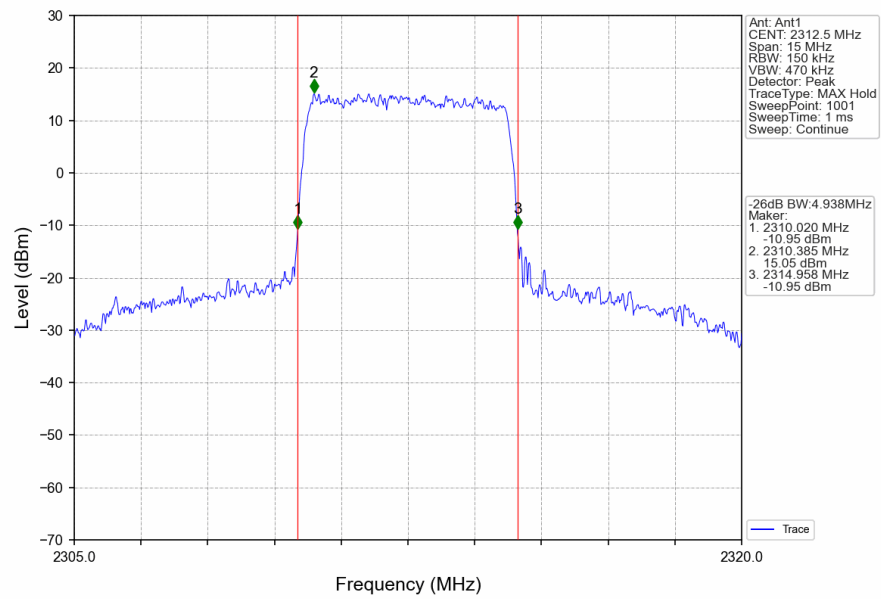
Band40a 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTN



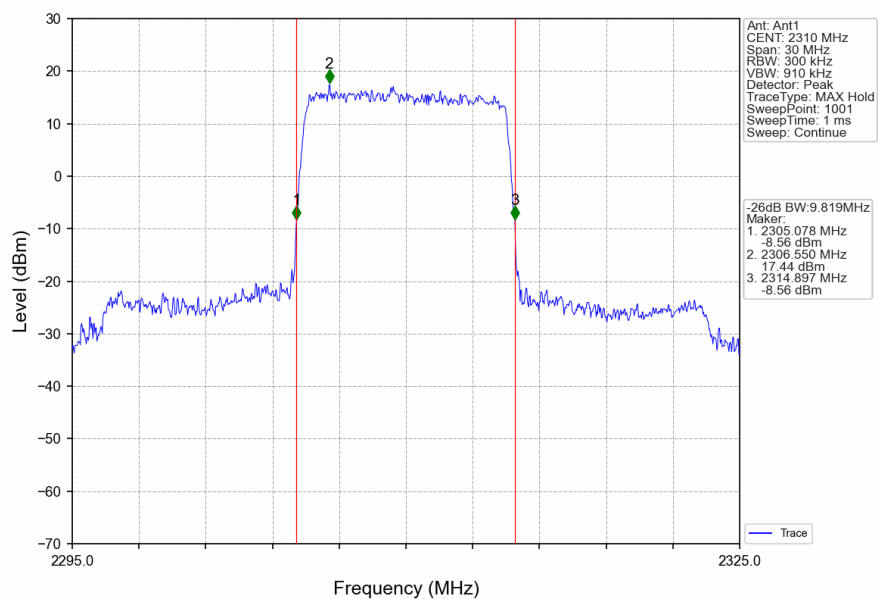
Band40a 5MHz 16QAM MCH 2310MHz RB 25 0 NTN



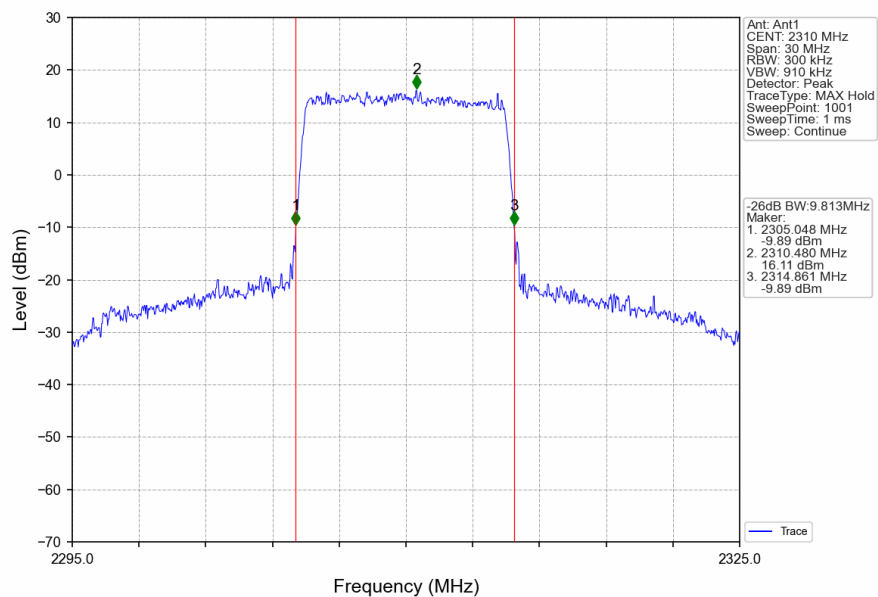
Band40a 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTN



Band40a_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band40a_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



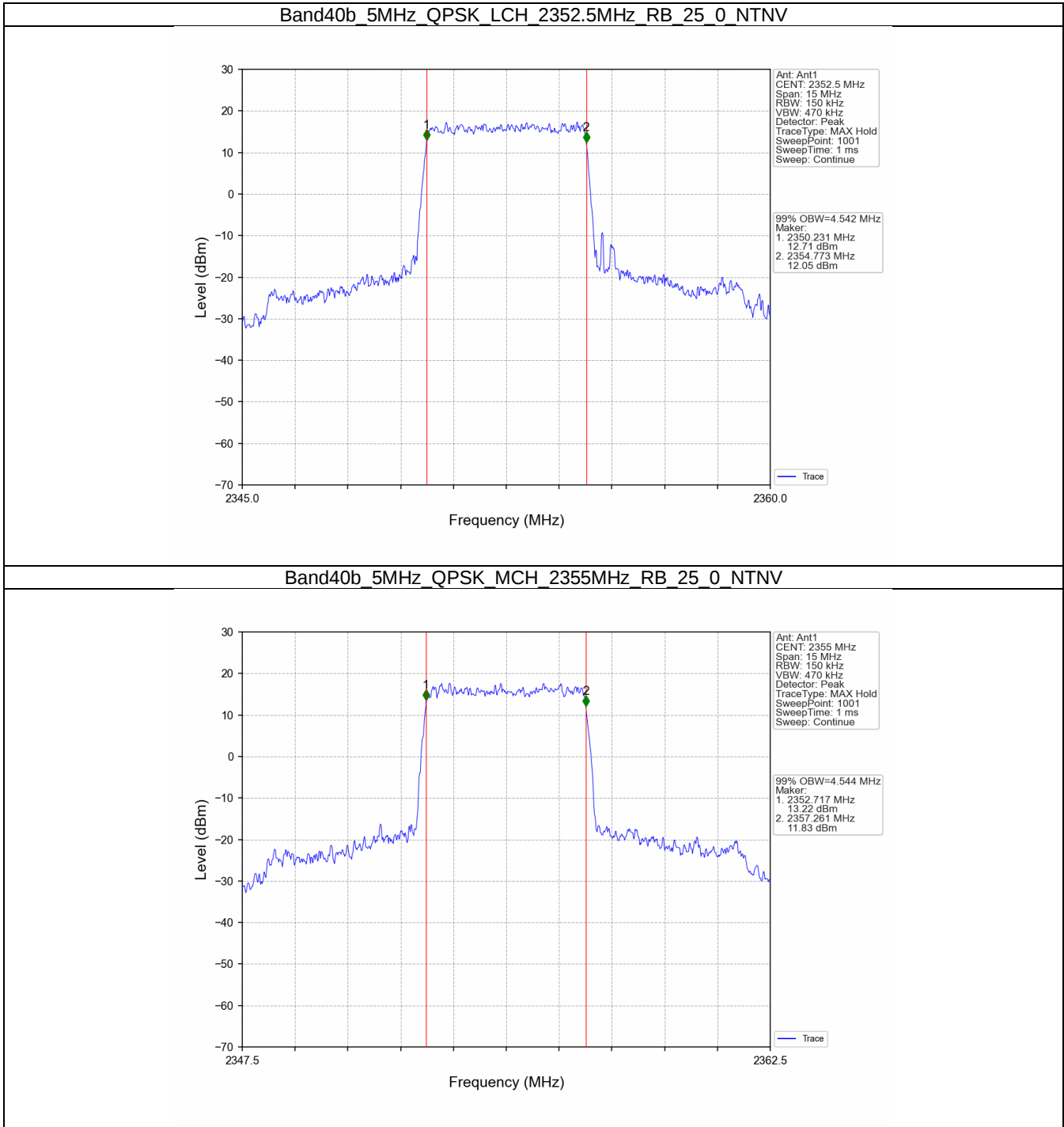
4. 99% & 26dB Bandwidth

4.1 Band40b_OBW

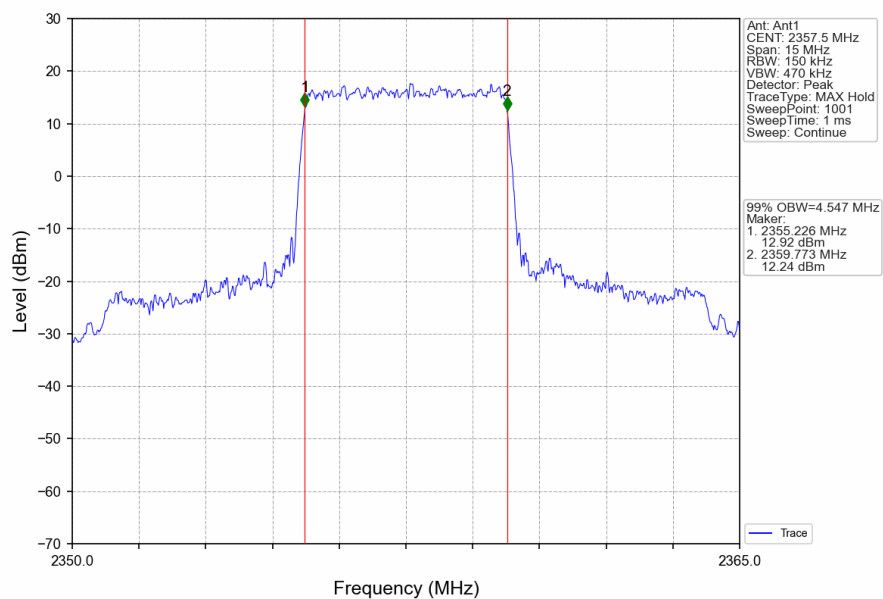
4.1.1 Test Result

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

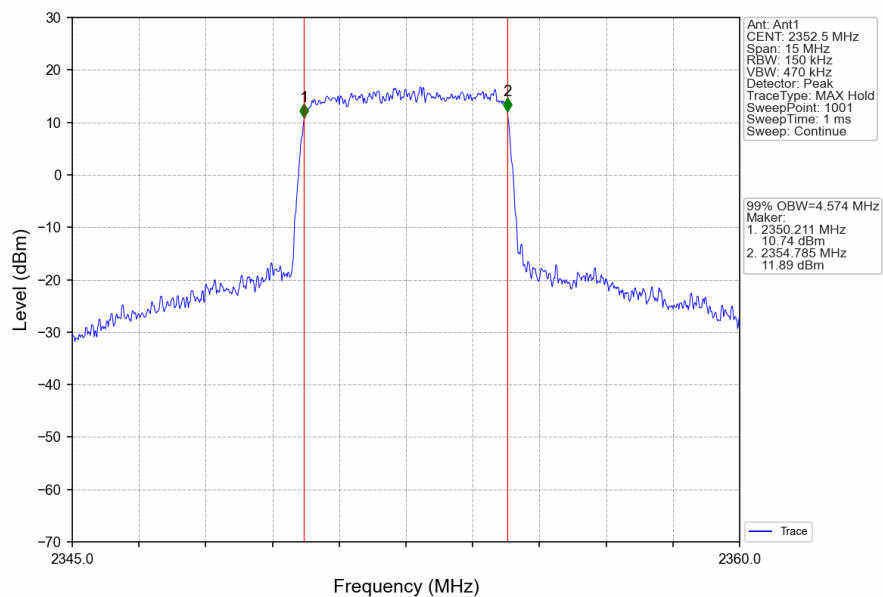
4.1.2 Test Graph



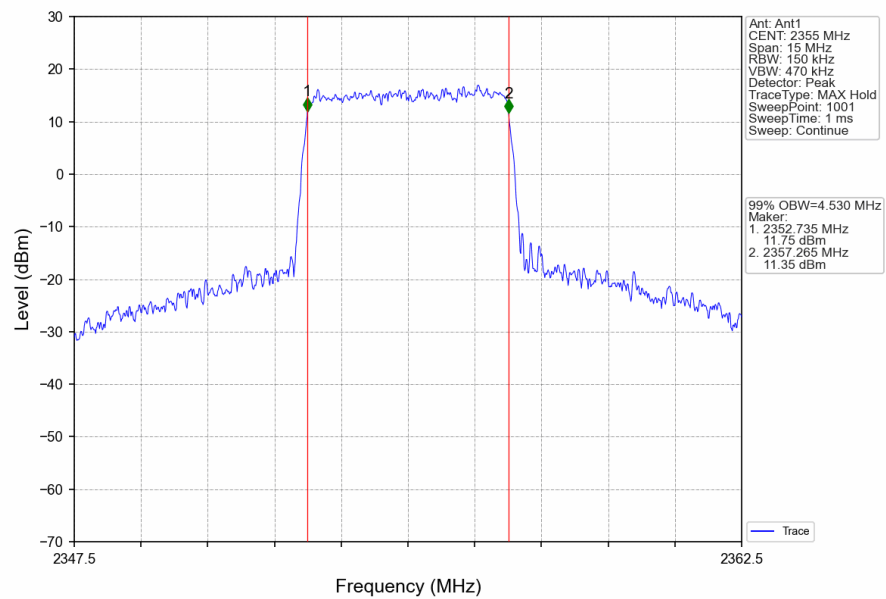
Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTN



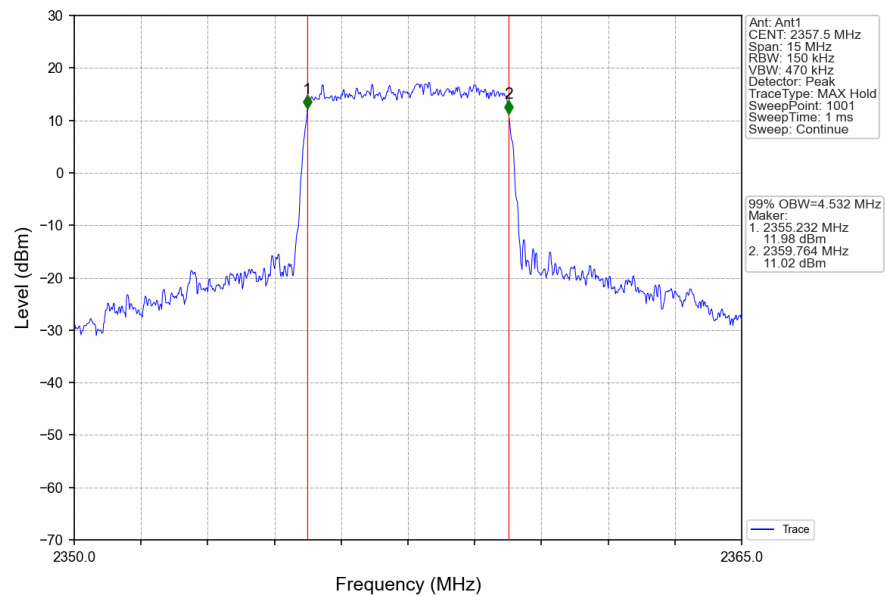
Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTN



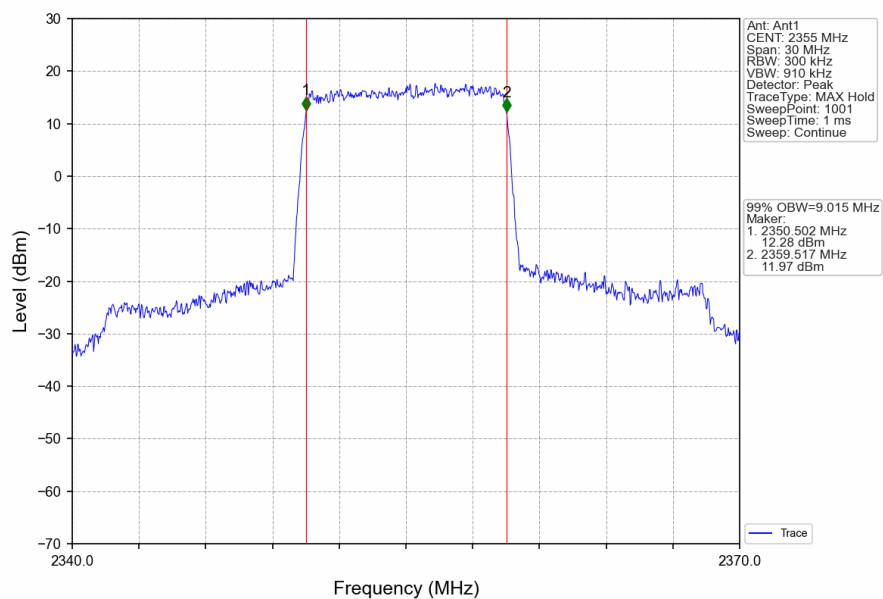
Band40b 5MHz 16QAM MCH 2355MHz RB 25 0 NTN



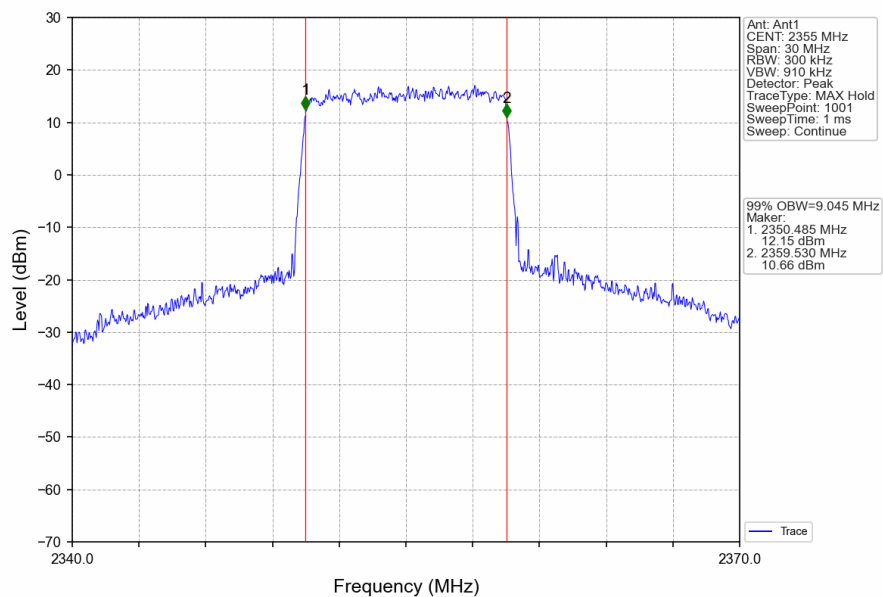
Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTN



Band40b 10MHz QPSK MCH 2355MHz RB 50 0 NTN



Band40b 10MHz 16QAM MCH 2355MHz RB 50 0 NTN

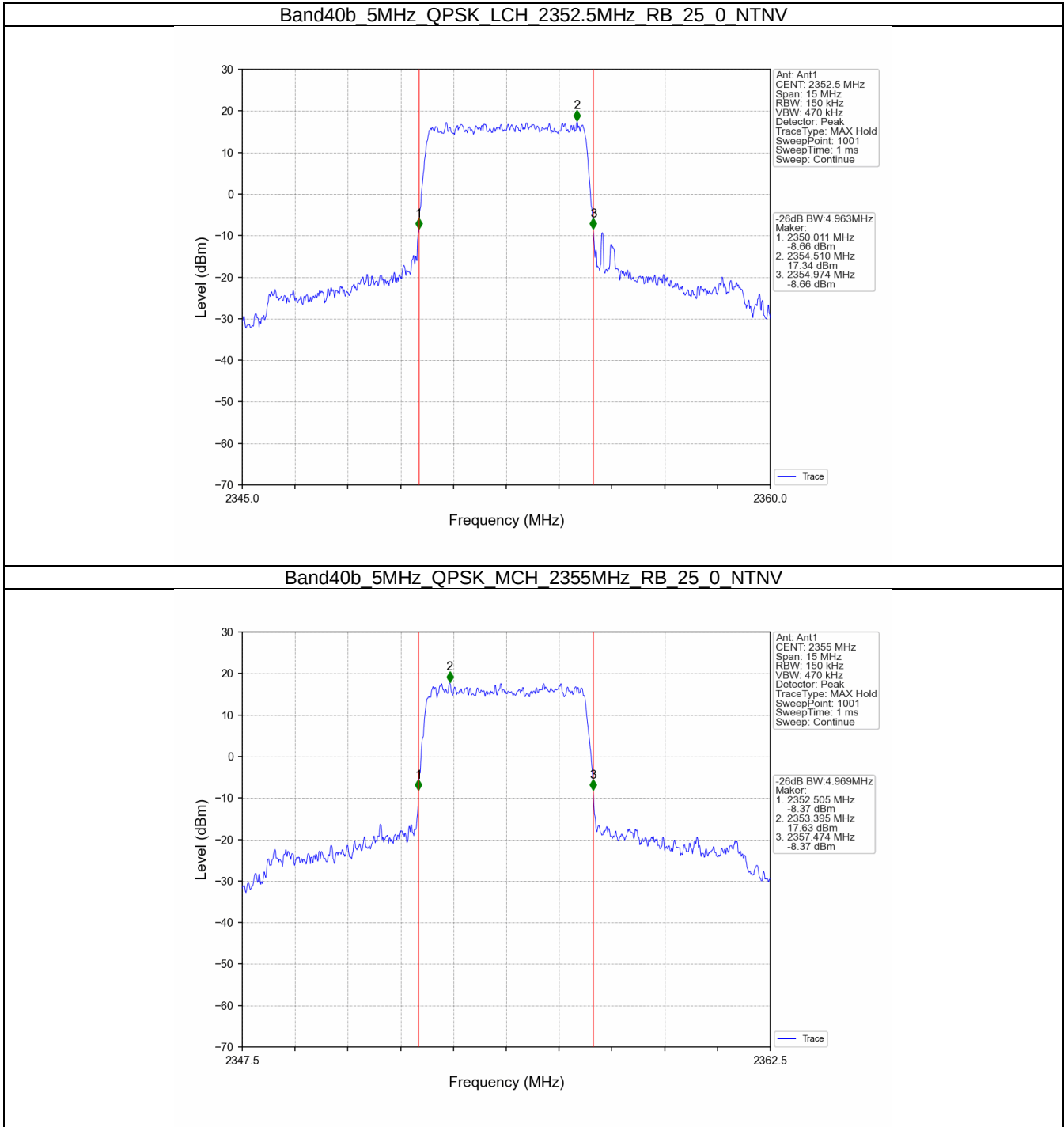


4.2 Band40b_XDB

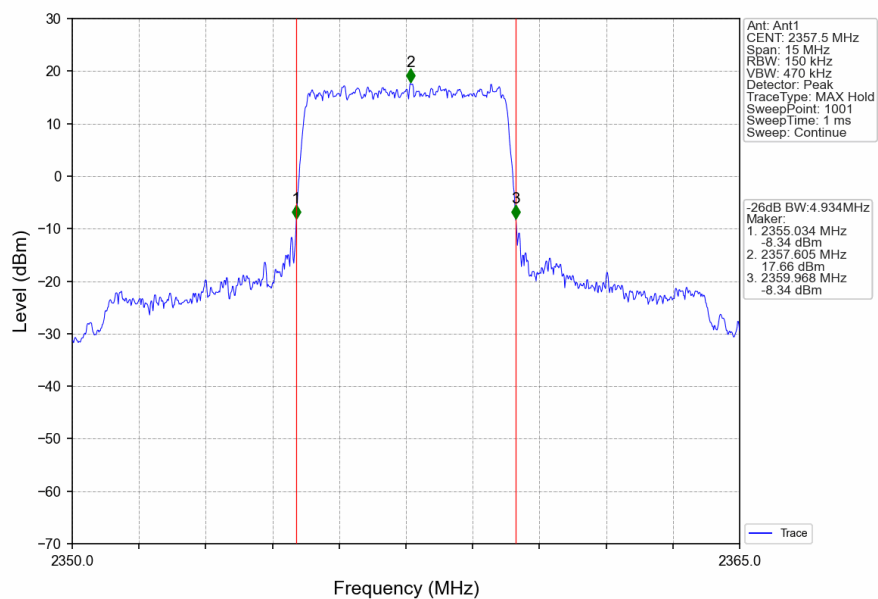
4.2.1 Test Result

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

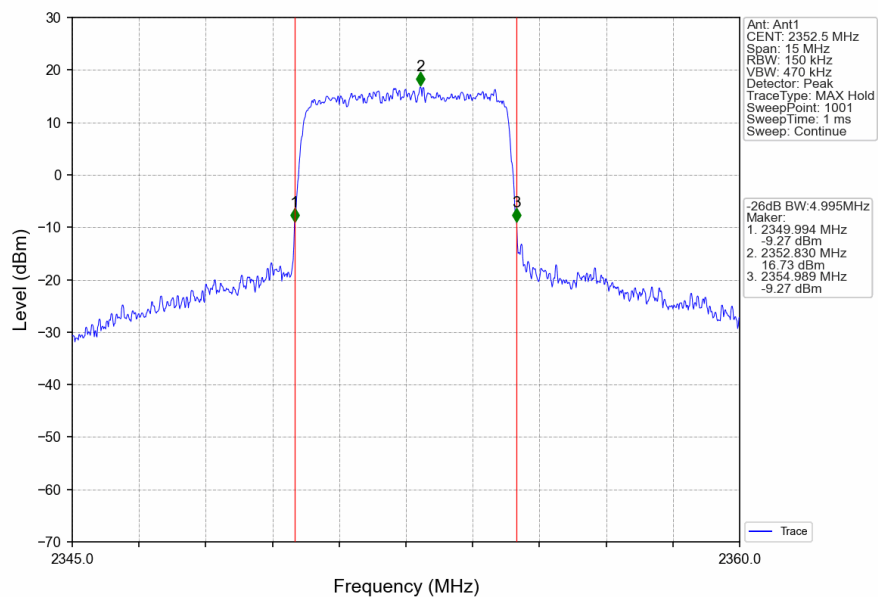
4.2.2 Test Graph



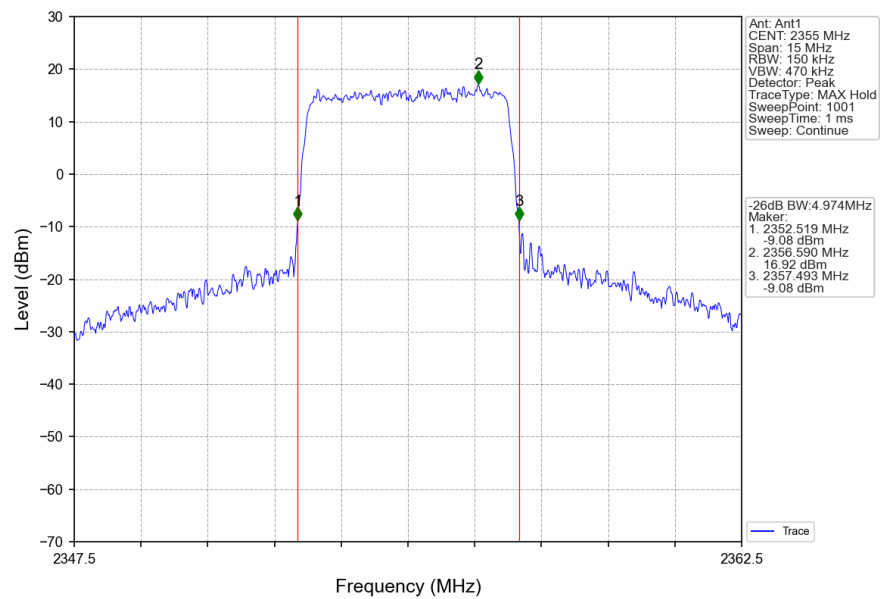
Band40b 5MHz QPSK HCH 2357.5MHz RB 25 0 NTN



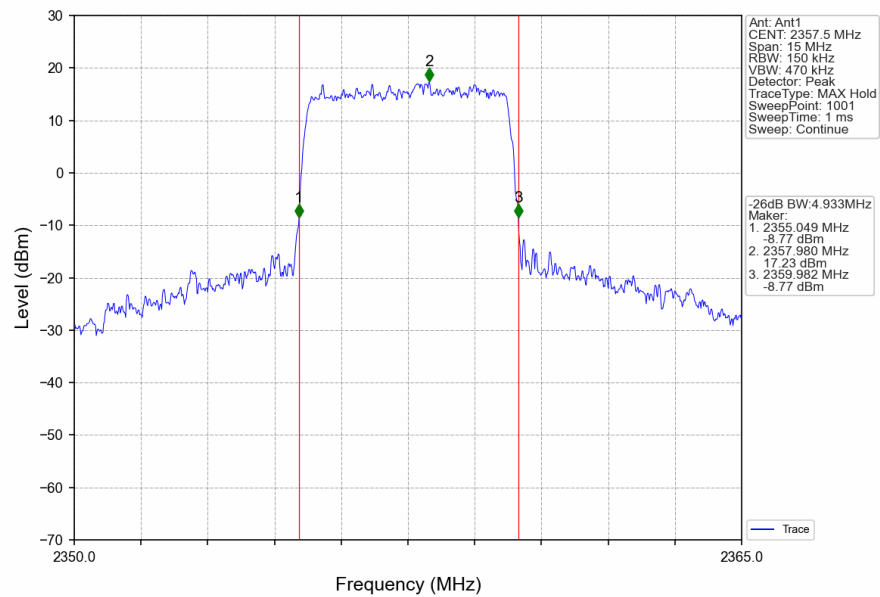
Band40b 5MHz 16QAM LCH 2352.5MHz RB 25 0 NTN



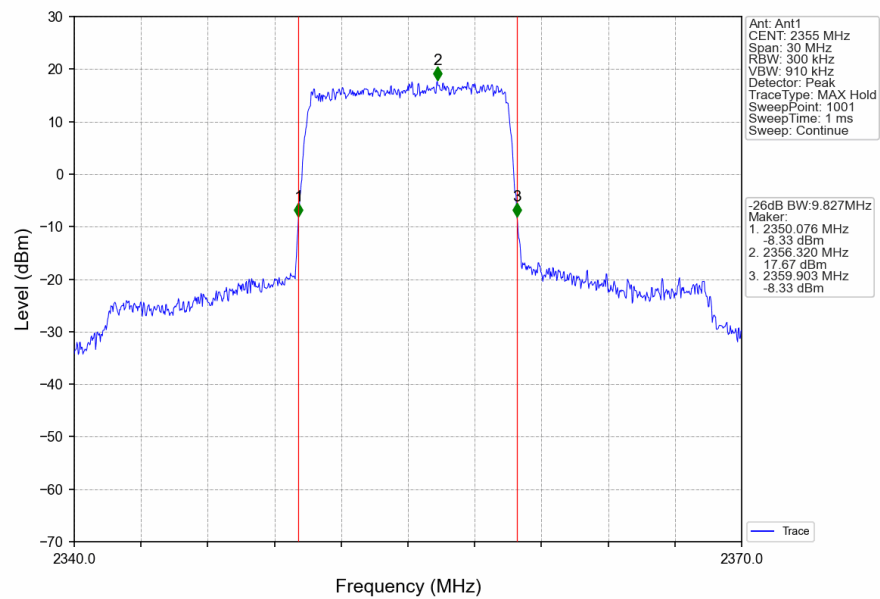
Band40b 5MHz 16QAM MCH 2355MHz RB 25 0 NTN



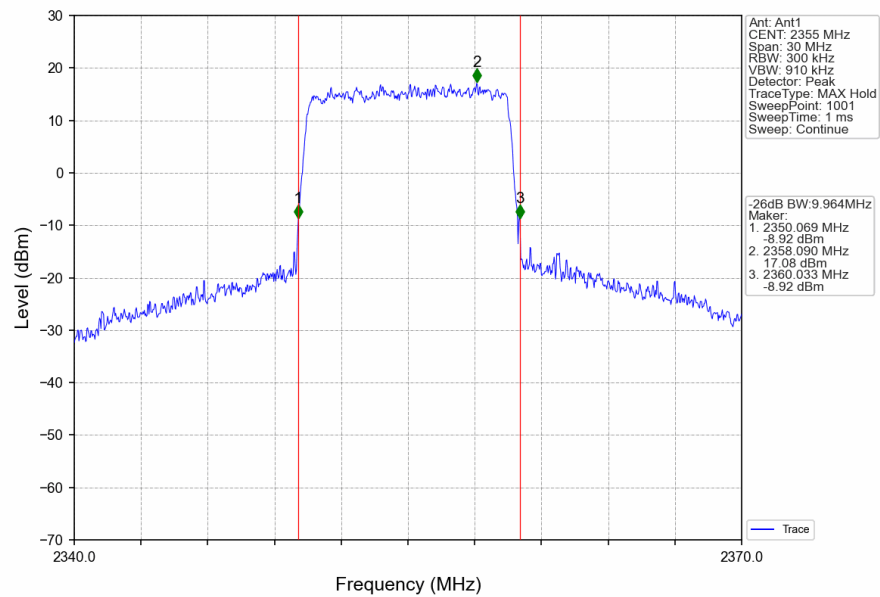
Band40b 5MHz 16QAM HCH 2357.5MHz RB 25 0 NTN



Band40b 10MHz QPSK MCH 2355MHz RB 50 0 NTN



Band40b 10MHz 16QAM MCH 2355MHz RB 50 0 NTN



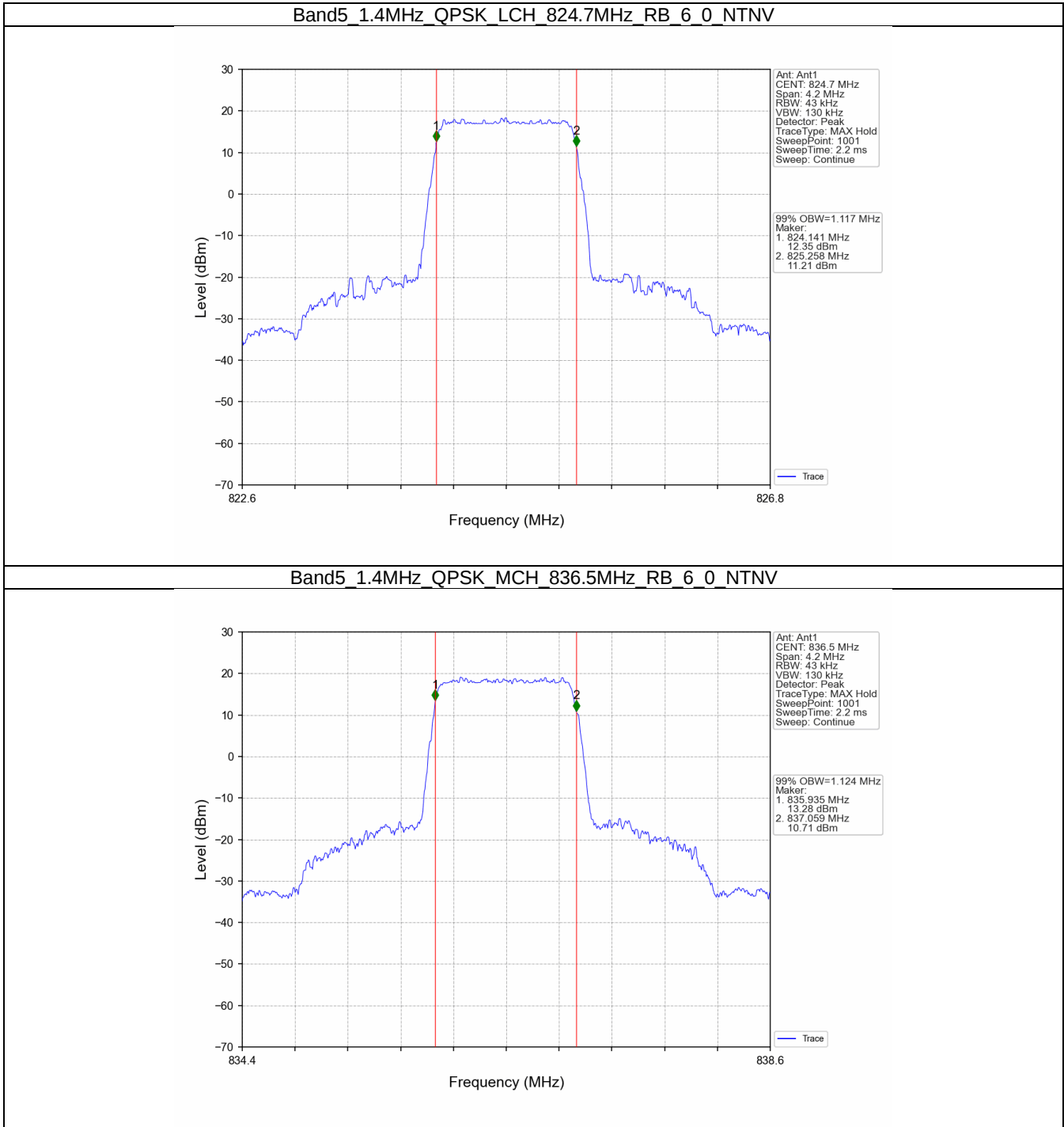
5. 99% & 26dB Bandwidth

5.1 Band5_OBW

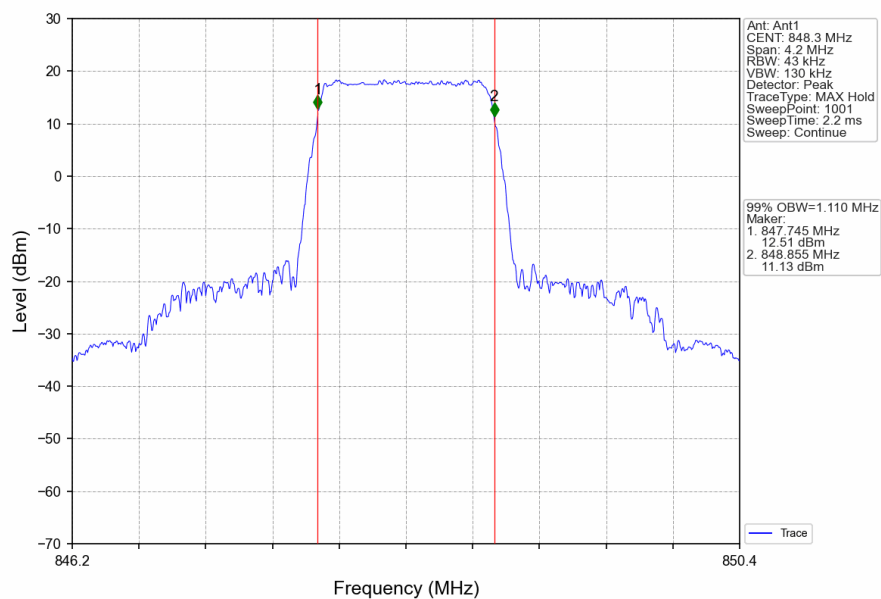
5.1.1 Test Result

Band: 5 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.117	Pass
		836.5	6	0	1.124	Pass
		848.3	6	0	1.110	Pass
	16QAM	824.7	6	0	1.113	Pass
		836.5	6	0	1.120	Pass
		848.3	6	0	1.124	Pass
3	QPSK	825.5	15	0	2.733	Pass
		836.5	15	0	2.748	Pass
		847.5	15	0	2.736	Pass
	16QAM	825.5	15	0	2.750	Pass
		836.5	15	0	2.728	Pass
		847.5	15	0	2.728	Pass
5	QPSK	826.5	25	0	4.550	Pass
		836.5	25	0	4.530	Pass
		846.5	25	0	4.541	Pass
	16QAM	826.5	25	0	4.524	Pass
		836.5	25	0	4.542	Pass
		846.5	25	0	4.546	Pass
10	QPSK	829	50	0	9.039	Pass
		836.5	50	0	9.013	Pass
		844	50	0	9.038	Pass
	16QAM	829	50	0	9.011	Pass
		836.5	50	0	9.007	Pass
		844	50	0	9.046	Pass

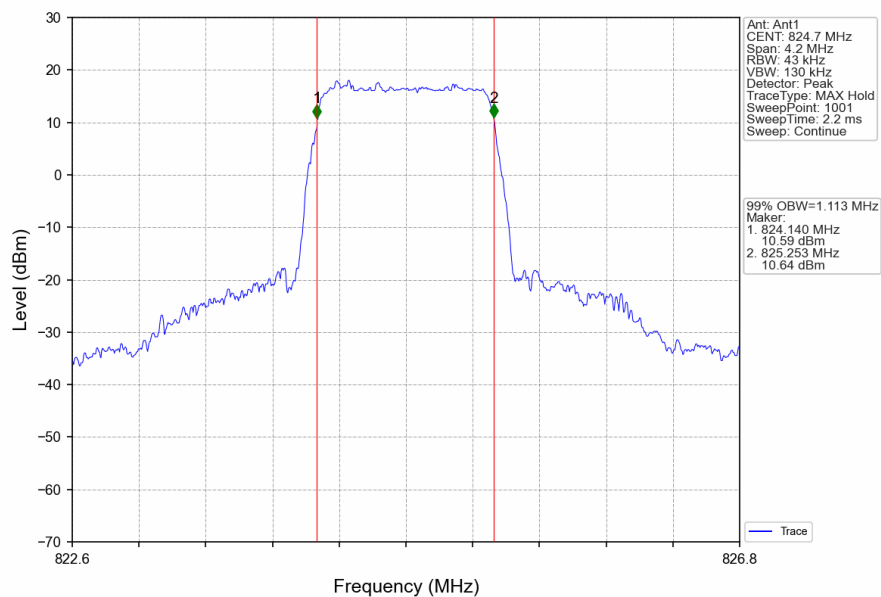
5.1.2 Test Graph



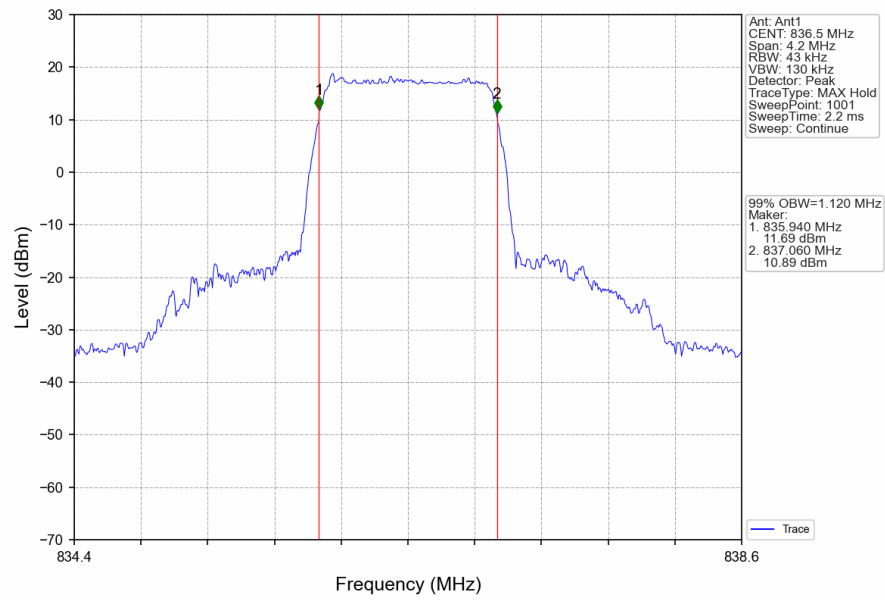
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



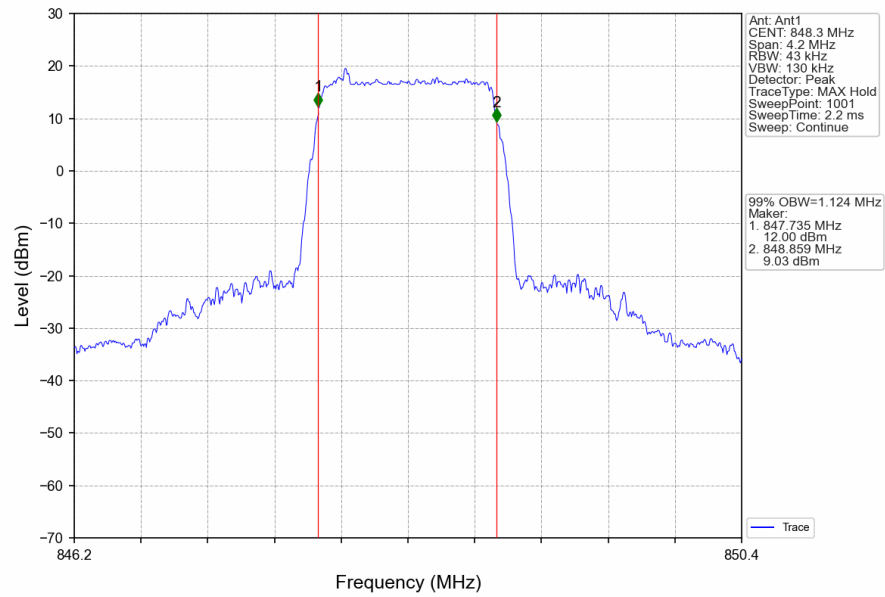
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6.0 NTNV



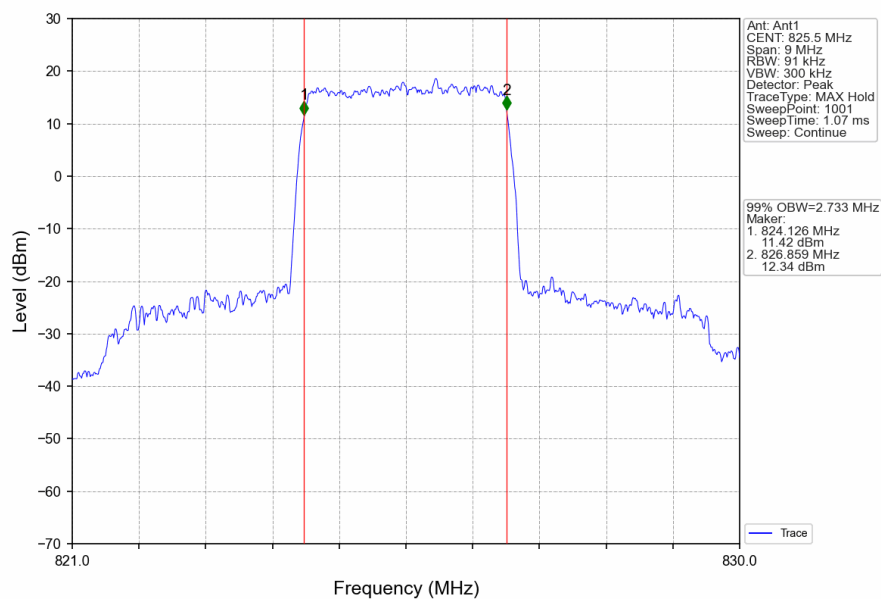
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



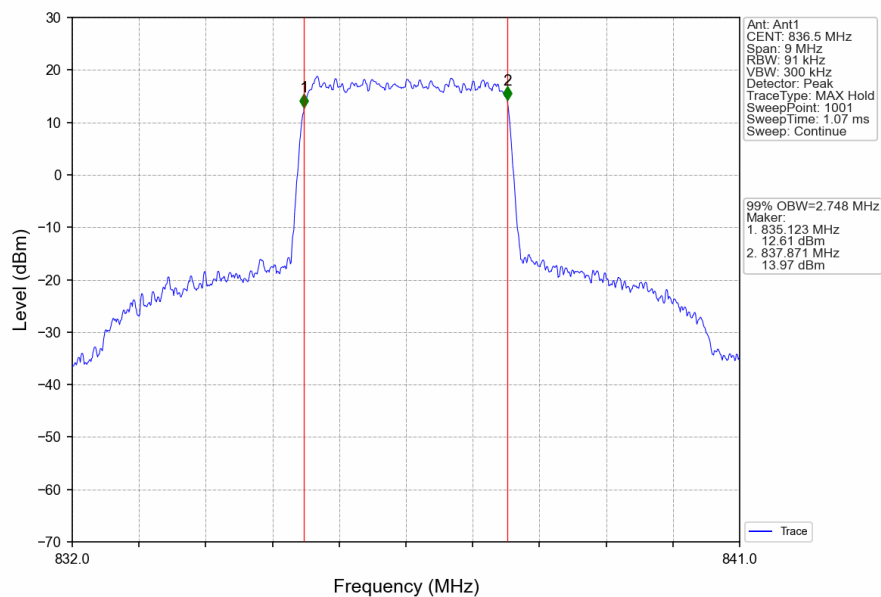
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



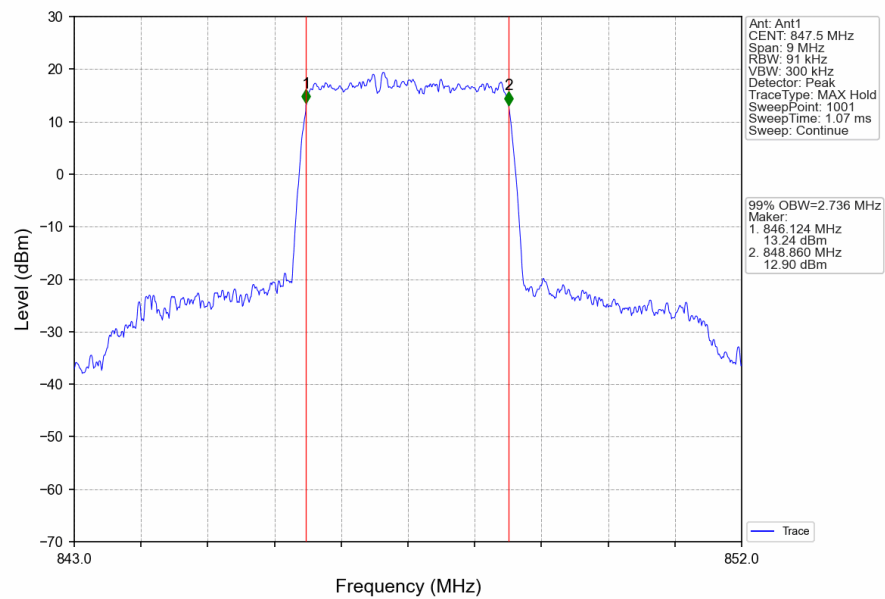
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



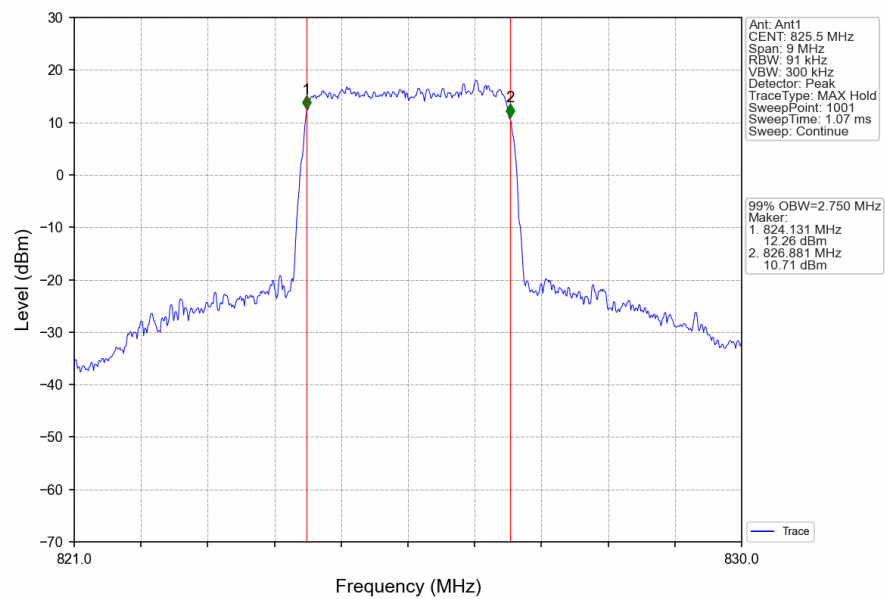
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



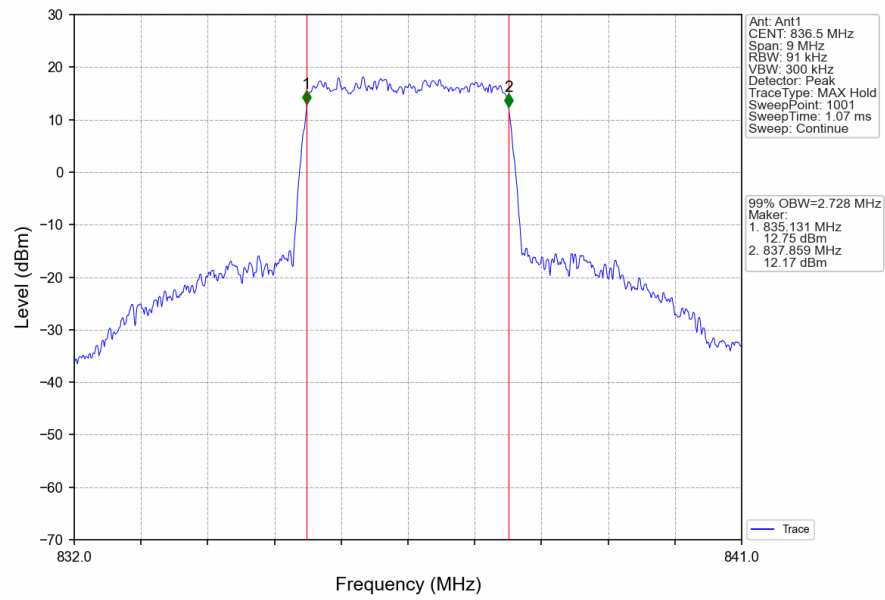
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



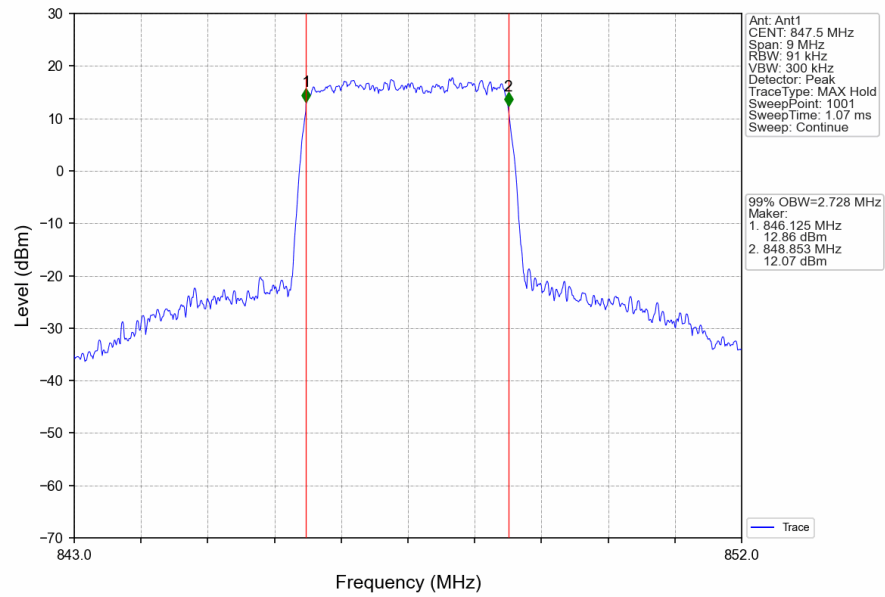
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



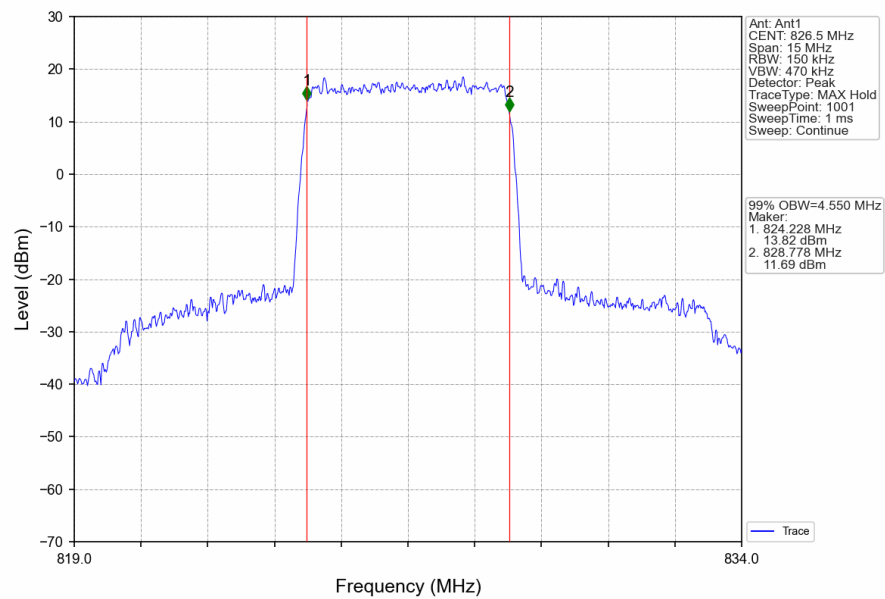
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



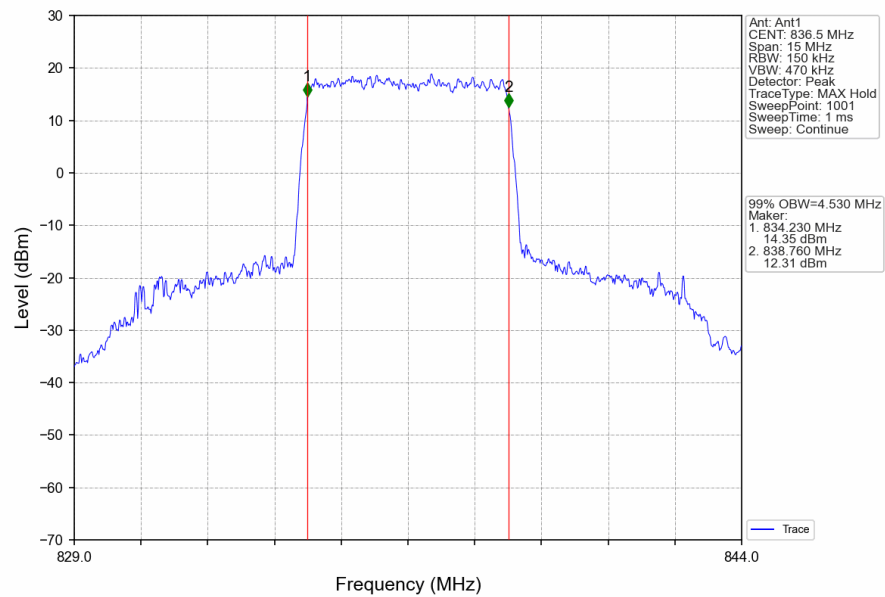
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



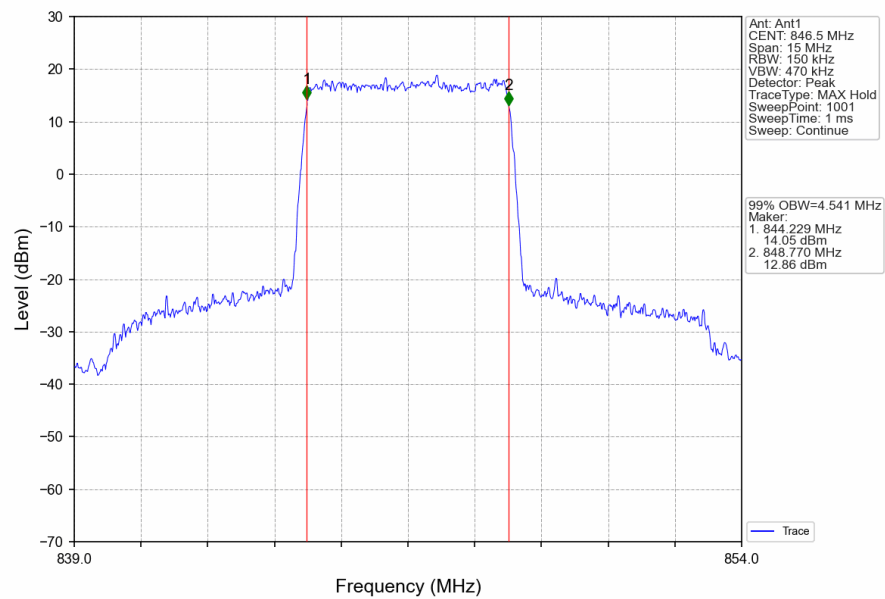
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



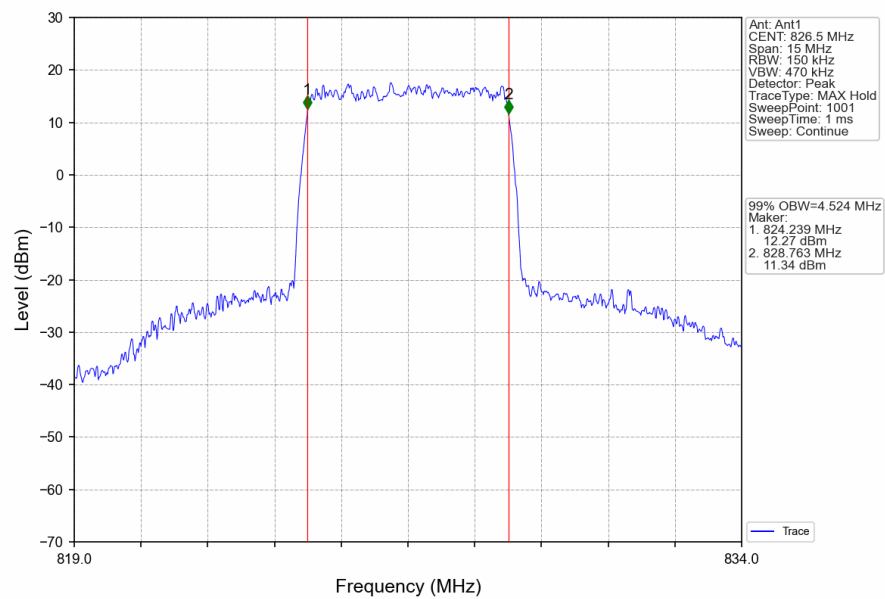
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



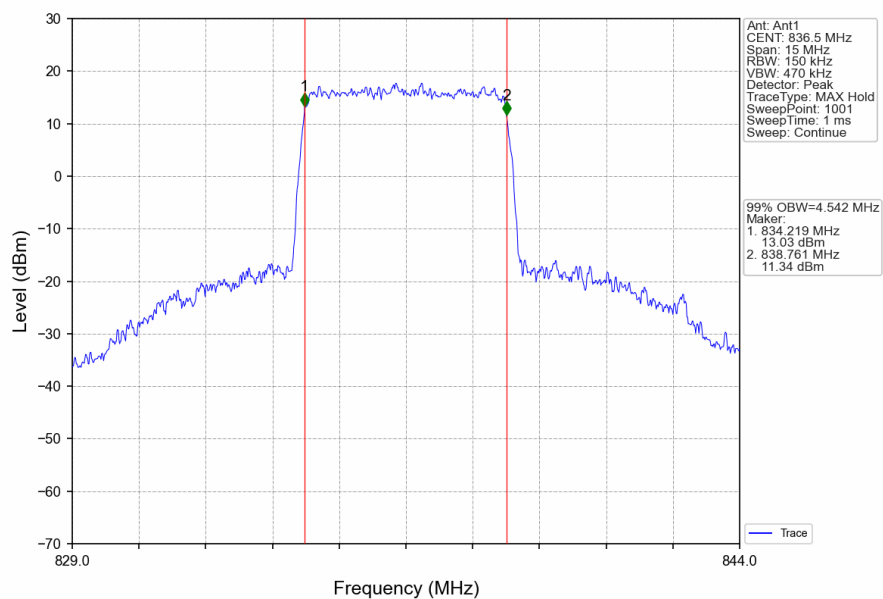
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



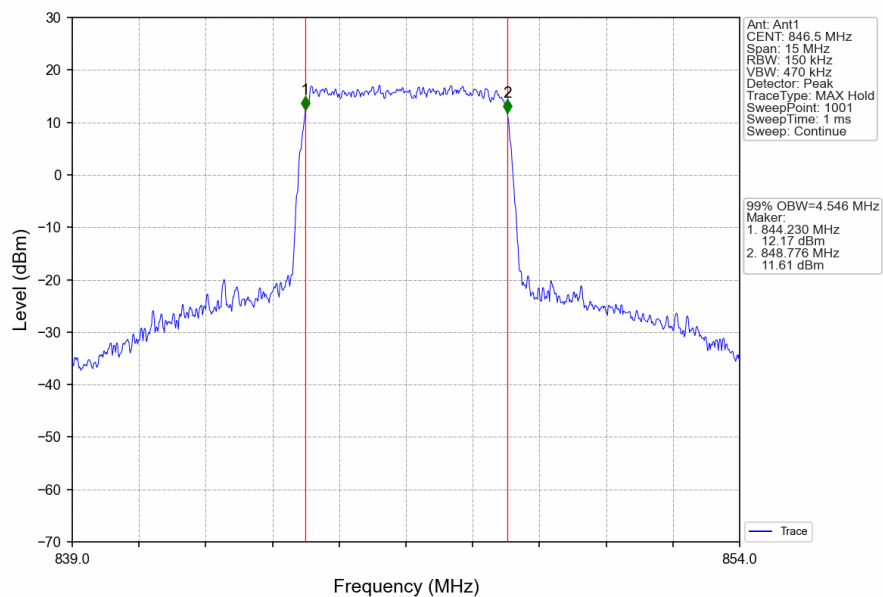
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



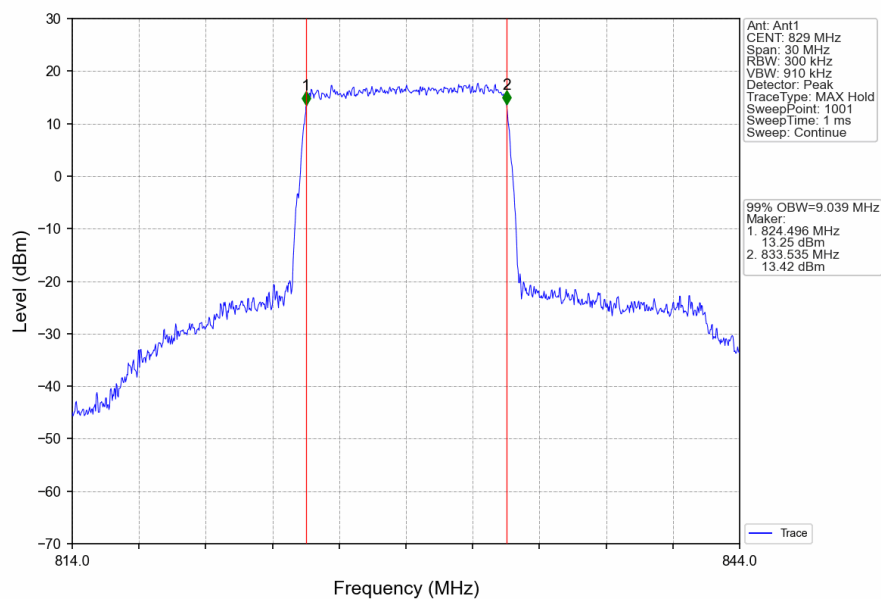
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



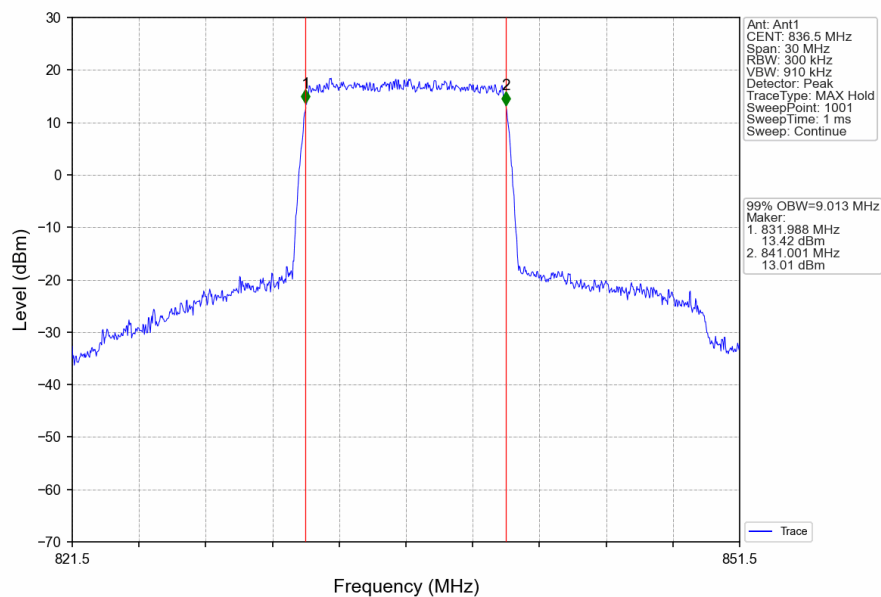
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



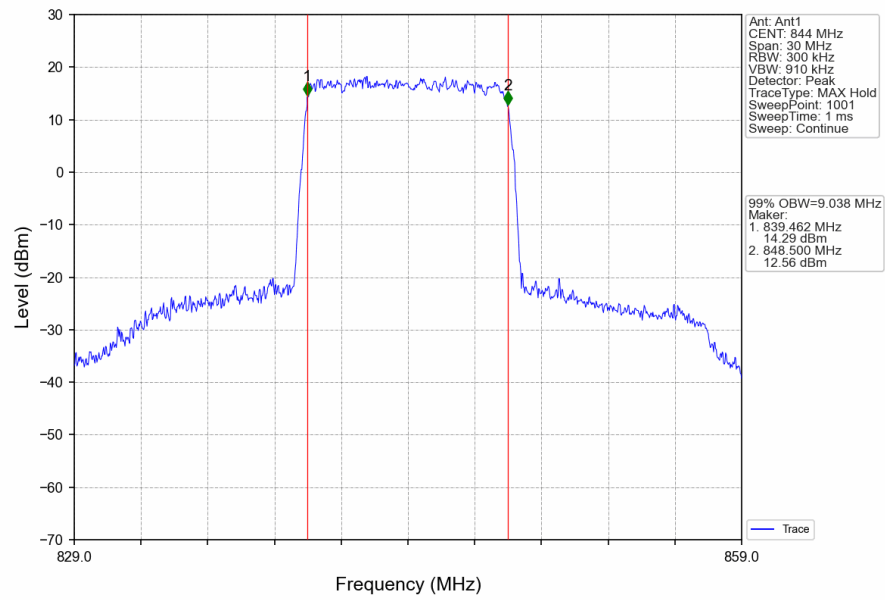
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



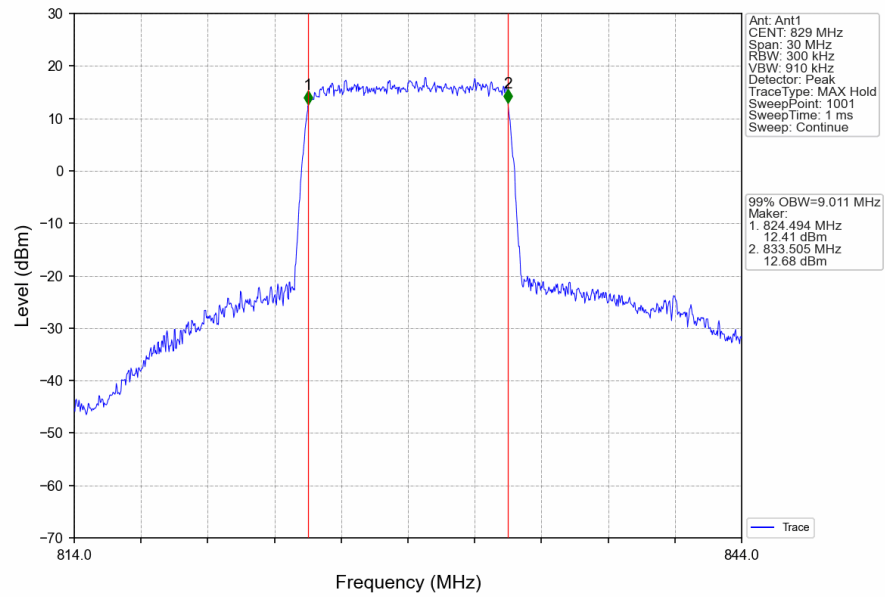
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



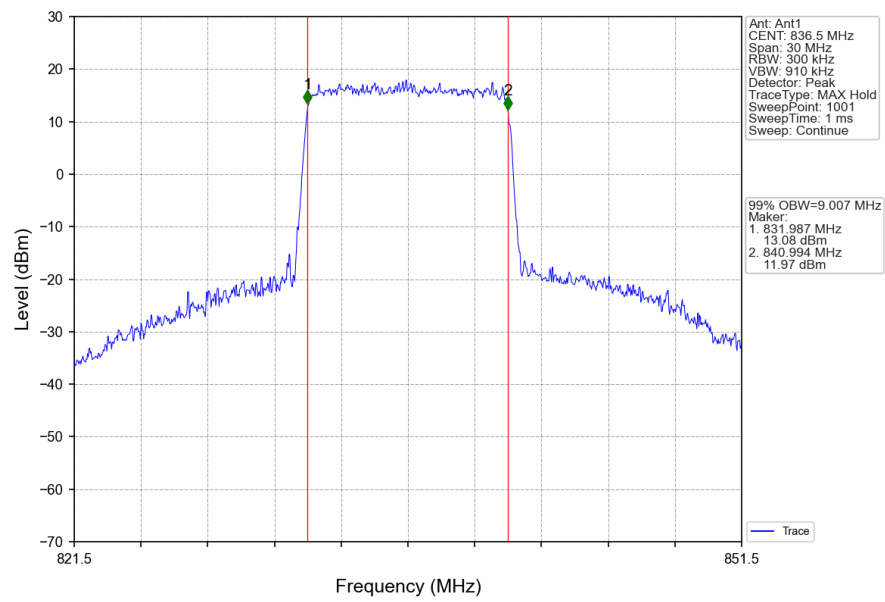
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



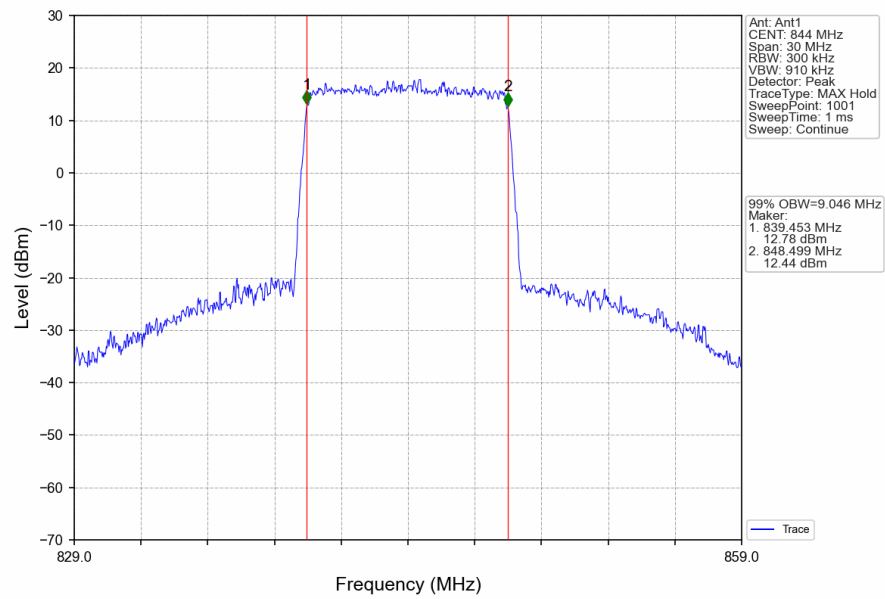
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV

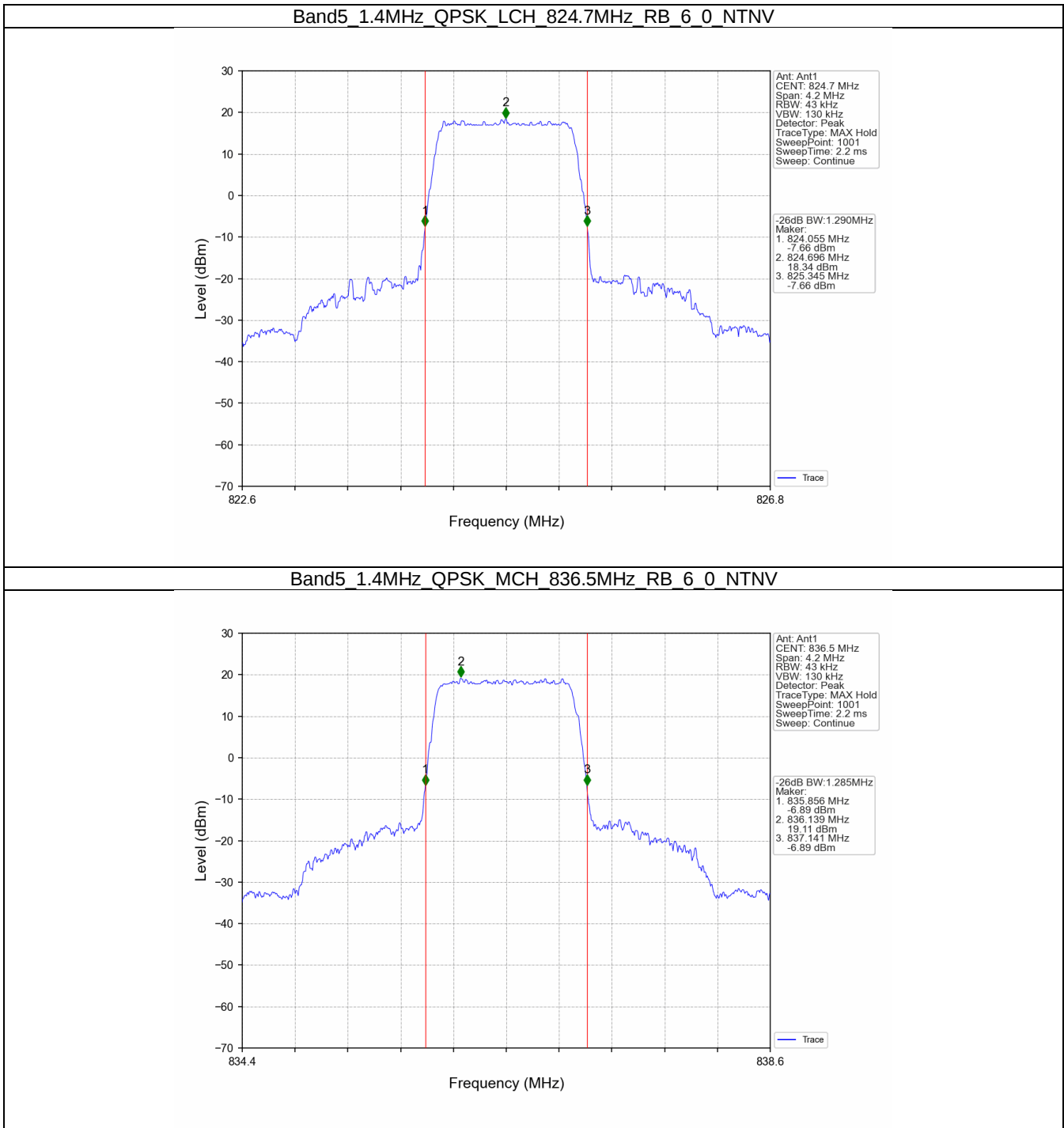


5.2 Band5_XDB

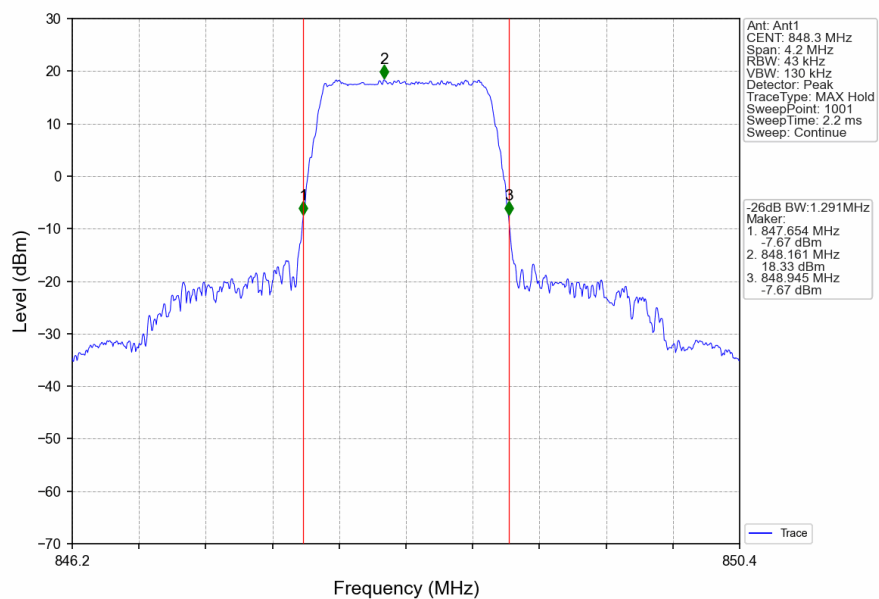
5.2.1 Test Result

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

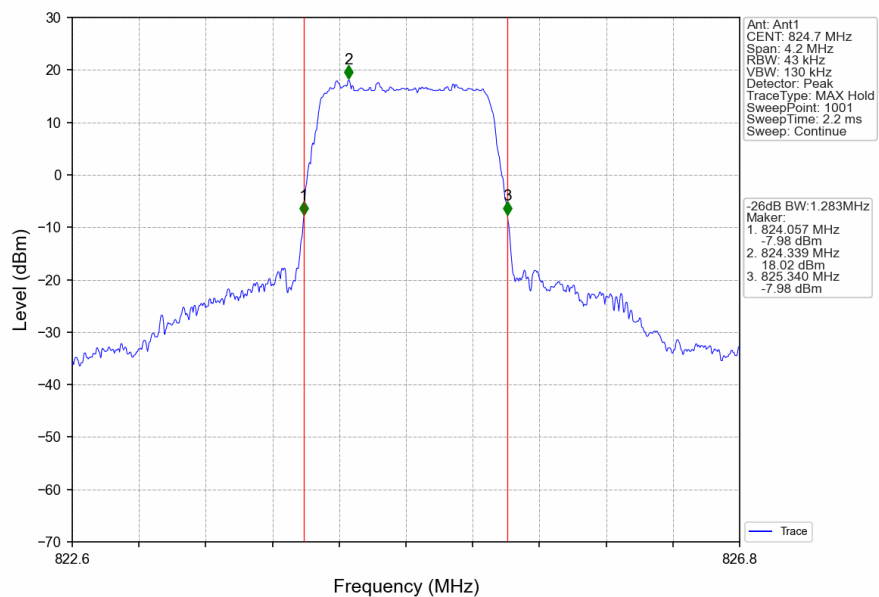
5.2.2 Test Graph



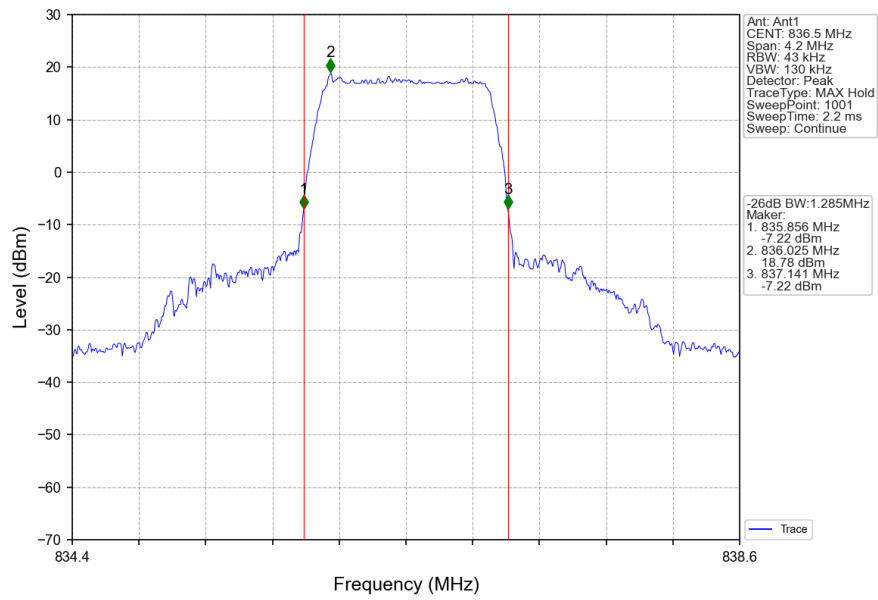
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



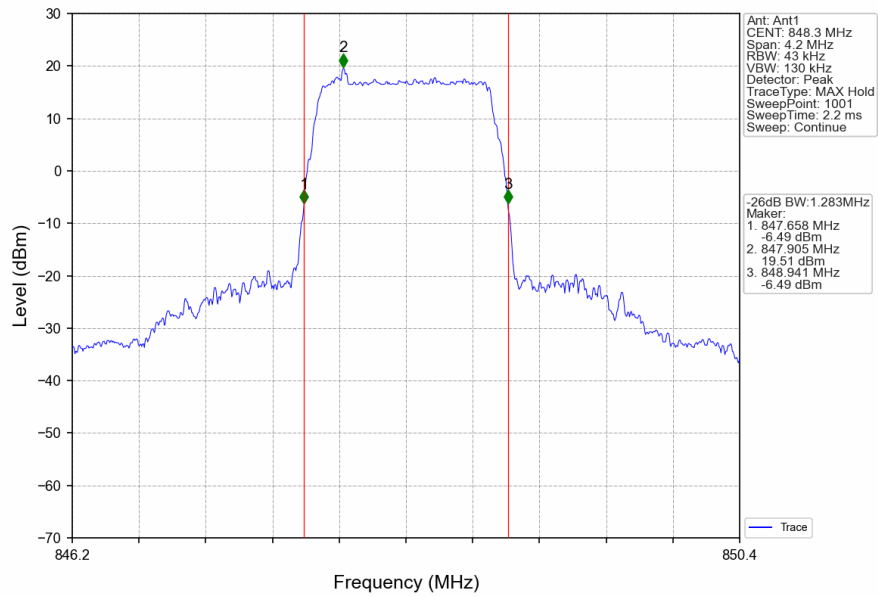
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



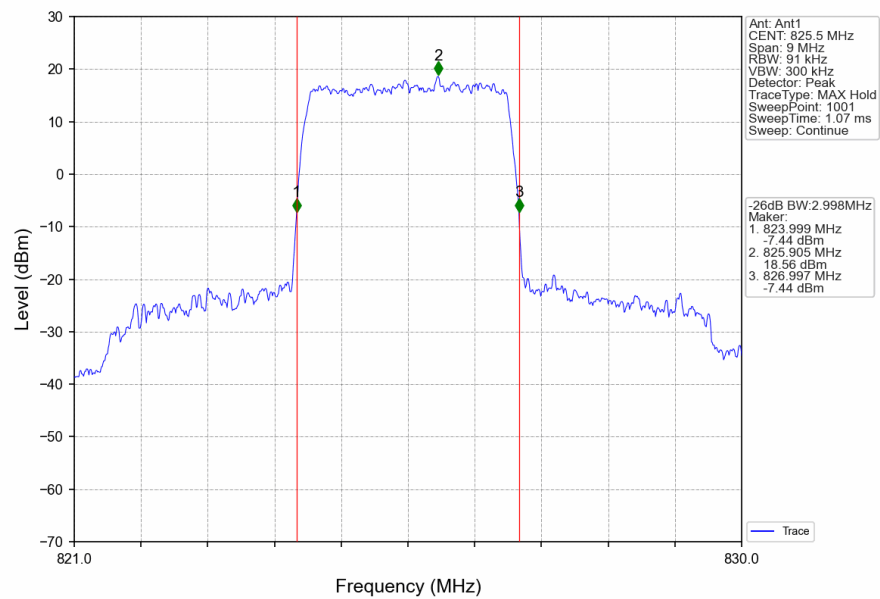
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



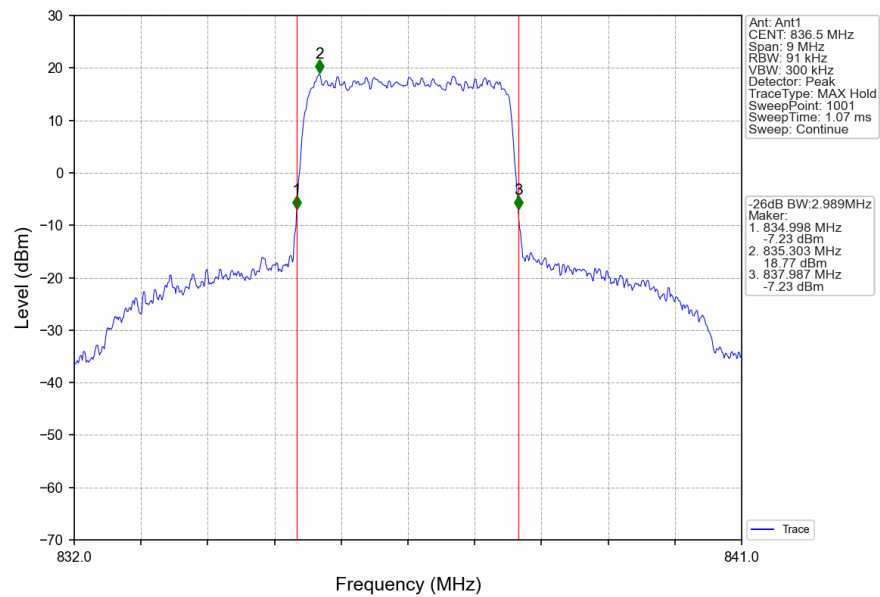
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



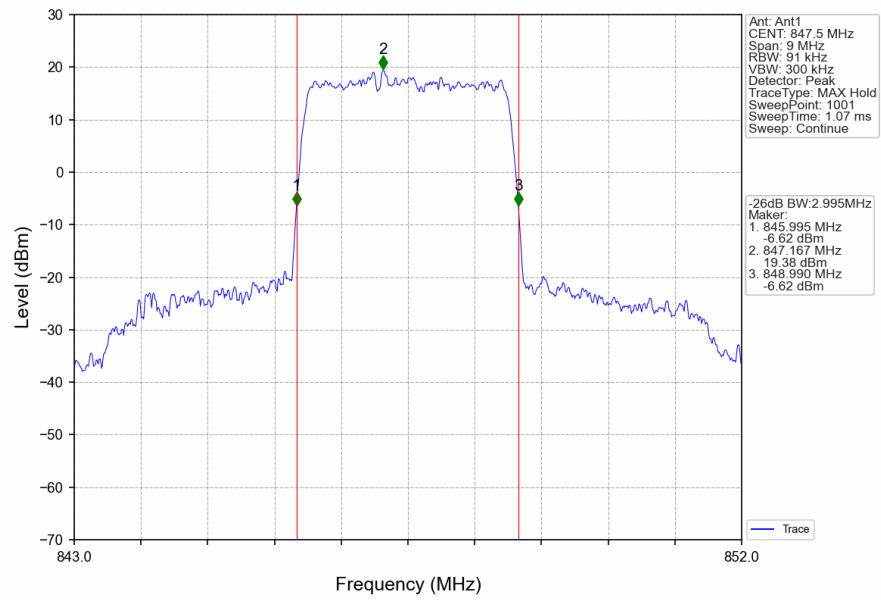
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



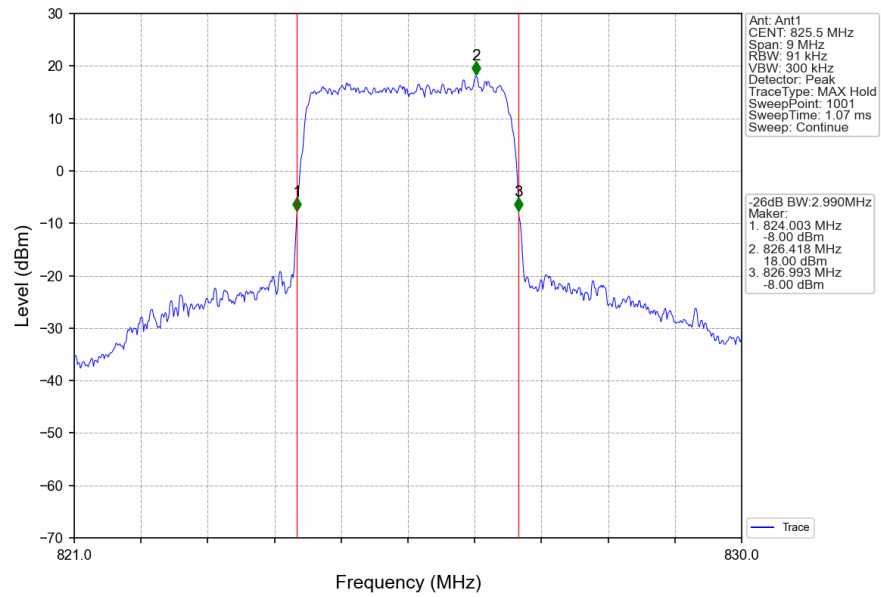
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



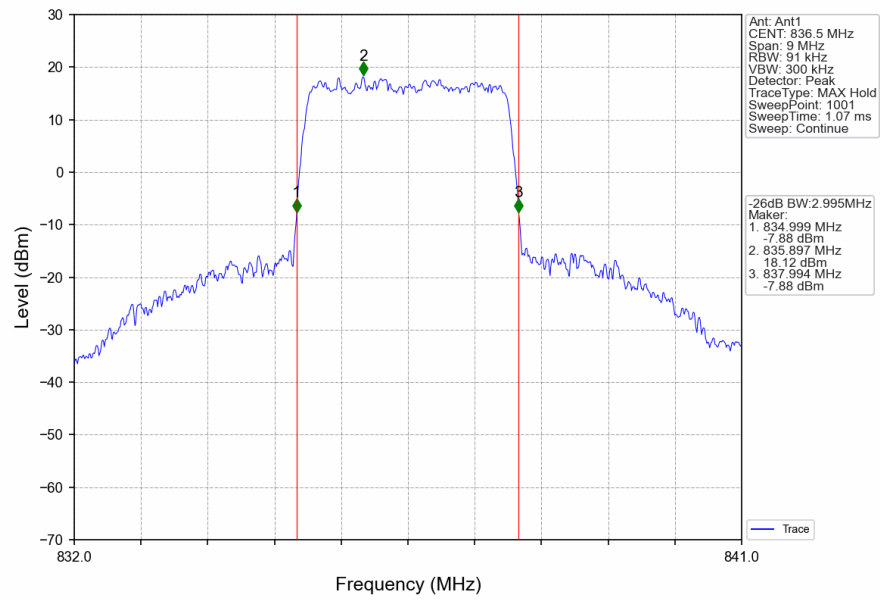
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



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

