

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.04	5.17	26.06	<=38.45	Pass
			2	23.04	5.17	26.06	<=38.45	Pass
			5	22.85	5.17	25.87	<=38.45	Pass
		3	0	22.99	5.17	26.01	<=38.45	Pass
			2	22.93	5.17	25.95	<=38.45	Pass
			3	22.96	5.17	25.98	<=38.45	Pass
		6	0	22.03	5.17	25.05	<=38.45	Pass
	836.5	1	0	23.06	5.17	26.08	<=38.45	Pass
			2	23.11	5.17	26.13	<=38.45	Pass
			5	23.01	5.17	26.03	<=38.45	Pass
		3	0	22.97	5.17	25.99	<=38.45	Pass
			2	22.95	5.17	25.97	<=38.45	Pass
			3	23.00	5.17	26.02	<=38.45	Pass
		6	0	22.06	5.17	25.08	<=38.45	Pass
	848.3	1	0	23.27	5.17	26.29	<=38.45	Pass
			2	23.18	5.17	26.20	<=38.45	Pass
			5	23.17	5.17	26.19	<=38.45	Pass
		3	0	23.23	5.17	26.25	<=38.45	Pass
			2	23.15	5.17	26.17	<=38.45	Pass
			3	23.12	5.17	26.14	<=38.45	Pass
16QAM	824.7	1	0	22.21	5.17	25.23	<=38.45	Pass
			2	22.14	5.17	25.16	<=38.45	Pass
			5	22.18	5.17	25.20	<=38.45	Pass
		3	0	22.08	5.17	25.10	<=38.45	Pass
			2	21.99	5.17	25.01	<=38.45	Pass
			3	22.00	5.17	25.02	<=38.45	Pass
		6	0	21.93	5.17	24.95	<=38.45	Pass
	836.5	1	0	21.22	5.17	24.24	<=38.45	Pass
			2	22.06	5.17	25.08	<=38.45	Pass
			5	22.09	5.17	25.11	<=38.45	Pass
		3	0	22.06	5.17	25.08	<=38.45	Pass
			2	21.97	5.17	24.99	<=38.45	Pass
			3	21.98	5.17	25.00	<=38.45	Pass
	848.3	1	0	21.95	5.17	24.97	<=38.45	Pass
			2	21.07	5.17	24.09	<=38.45	Pass
			3	21.07	5.17	24.09	<=38.45	Pass
		3	0	22.12	5.17	25.14	<=38.45	Pass
			2	22.05	5.17	25.07	<=38.45	Pass
			5	21.98	5.17	25.00	<=38.45	Pass
	848.3	1	0	22.32	5.17	25.34	<=38.45	Pass
			2	22.27	5.17	25.29	<=38.45	Pass
			3	22.22	5.17	25.24	<=38.45	Pass
		3	0	22.22	5.17	25.24	<=38.45	Pass
			2	21.14	5.17	24.16	<=38.45	Pass
			3	21.14	5.17	24.16	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	22.91	5.17	25.93	<=38.45	Pass
			7	23.02	5.17	26.04	<=38.45	Pass
			14	22.80	5.17	25.82	<=38.45	Pass
		8	0	21.97	5.17	24.99	<=38.45	Pass
			4	21.93	5.17	24.95	<=38.45	Pass
			7	21.87	5.17	24.89	<=38.45	Pass
		15	0	21.92	5.17	24.94	<=38.45	Pass
	836.5	1	0	22.89	5.17	25.91	<=38.45	Pass
			7	23.13	5.17	26.15	<=38.45	Pass
			14	22.85	5.17	25.87	<=38.45	Pass
		8	0	22.00	5.17	25.02	<=38.45	Pass
			4	22.03	5.17	25.05	<=38.45	Pass
			7	21.97	5.17	24.99	<=38.45	Pass
		15	0	21.97	5.17	24.99	<=38.45	Pass
	847.5	1	0	23.18	5.17	26.20	<=38.45	Pass
			7	23.28	5.17	26.30	<=38.45	Pass
			14	22.89	5.17	25.91	<=38.45	Pass
		8	0	22.23	5.17	25.25	<=38.45	Pass
			4	22.24	5.17	25.26	<=38.45	Pass
			7	22.13	5.17	25.15	<=38.45	Pass
		15	0	22.16	5.17	25.18	<=38.45	Pass
16QAM	825.5	1	0	22.25	5.17	25.27	<=38.45	Pass
			7	22.31	5.17	25.33	<=38.45	Pass
			14	22.21	5.17	25.23	<=38.45	Pass
		8	0	21.14	5.17	24.16	<=38.45	Pass
			4	20.98	5.17	24.00	<=38.45	Pass
			7	20.92	5.17	23.94	<=38.45	Pass
		15	0	20.89	5.17	23.91	<=38.45	Pass
	836.5	1	0	21.95	5.17	24.97	<=38.45	Pass
			7	22.12	5.17	25.14	<=38.45	Pass
			14	21.82	5.17	24.84	<=38.45	Pass
		8	0	21.07	5.17	24.09	<=38.45	Pass
			4	21.10	5.17	24.12	<=38.45	Pass
			7	21.05	5.17	24.07	<=38.45	Pass
		15	0	20.99	5.17	24.01	<=38.45	Pass
	847.5	1	0	21.92	5.17	24.94	<=38.45	Pass
			7	22.13	5.17	25.15	<=38.45	Pass
			14	21.76	5.17	24.78	<=38.45	Pass
		8	0	21.16	5.17	24.18	<=38.45	Pass
4			21.23	5.17	24.25	<=38.45	Pass	
7			21.10	5.17	24.12	<=38.45	Pass	
15		0	21.16	5.17	24.18	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.15	5.17	26.17	<=38.45	Pass
			13	23.09	5.17	26.11	<=38.45	Pass
			24	22.97	5.17	25.99	<=38.45	Pass

		12	0	22.12	5.17	25.14	<=38.45	Pass
			6	22.08	5.17	25.10	<=38.45	Pass
			13	22.02	5.17	25.04	<=38.45	Pass
		25	0	22.05	5.17	25.07	<=38.45	Pass
	836.5	1	0	23.03	5.17	26.05	<=38.45	Pass
			13	23.01	5.17	26.03	<=38.45	Pass
			24	22.89	5.17	25.91	<=38.45	Pass
		12	0	21.96	5.17	24.98	<=38.45	Pass
			6	21.94	5.17	24.96	<=38.45	Pass
			13	21.90	5.17	24.92	<=38.45	Pass
		25	0	21.93	5.17	24.95	<=38.45	Pass
	846.5	1	0	23.11	5.17	26.13	<=38.45	Pass
			13	23.25	5.17	26.27	<=38.45	Pass
			24	23.04	5.17	26.06	<=38.45	Pass
		12	0	22.05	5.17	25.07	<=38.45	Pass
			6	22.13	5.17	25.15	<=38.45	Pass
			13	22.13	5.17	25.15	<=38.45	Pass
		25	0	22.10	5.17	25.12	<=38.45	Pass
16QAM	826.5	1	0	22.46	5.17	25.48	<=38.45	Pass
			13	22.33	5.17	25.35	<=38.45	Pass
			24	22.26	5.17	25.28	<=38.45	Pass
		12	0	21.14	5.17	24.16	<=38.45	Pass
			6	21.10	5.17	24.12	<=38.45	Pass
			13	21.05	5.17	24.07	<=38.45	Pass
		25	0	21.10	5.17	24.12	<=38.45	Pass
	836.5	1	0	22.13	5.17	25.15	<=38.45	Pass
			13	22.13	5.17	25.15	<=38.45	Pass
			24	22.03	5.17	25.05	<=38.45	Pass
		12	0	21.01	5.17	24.03	<=38.45	Pass
			6	21.00	5.17	24.02	<=38.45	Pass
			13	20.98	5.17	24.00	<=38.45	Pass
		25	0	20.99	5.17	24.01	<=38.45	Pass
	846.5	1	0	22.19	5.17	25.21	<=38.45	Pass
			13	22.37	5.17	25.39	<=38.45	Pass
			24	22.22	5.17	25.24	<=38.45	Pass
		12	0	21.18	5.17	24.20	<=38.45	Pass
			6	21.28	5.17	24.30	<=38.45	Pass
			13	21.27	5.17	24.29	<=38.45	Pass
		25	0	21.30	5.17	24.32	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.28	5.17	26.30	<=38.45	Pass
			25	22.96	5.17	25.98	<=38.45	Pass
			49	23.02	5.17	26.04	<=38.45	Pass
		25	0	22.07	5.17	25.09	<=38.45	Pass
			13	21.96	5.17	24.98	<=38.45	Pass
			25	21.94	5.17	24.96	<=38.45	Pass
		50	0	22.02	5.17	25.04	<=38.45	Pass
	836.5	1	0	22.94	5.17	25.96	<=38.45	Pass
			25	23.04	5.17	26.06	<=38.45	Pass

		25	49	22.89	5.17	25.91	<=38.45	Pass		
			0	21.88	5.17	24.90	<=38.45	Pass		
			13	21.94	5.17	24.96	<=38.45	Pass		
			25	21.88	5.17	24.90	<=38.45	Pass		
		50	0	21.90	5.17	24.92	<=38.45	Pass		
	844	1	0	23.11	5.17	26.13	<=38.45	Pass		
			25	23.18	5.17	26.20	<=38.45	Pass		
			49	23.22	5.17	26.24	<=38.45	Pass		
		25	0	21.95	5.17	24.97	<=38.45	Pass		
			13	22.06	5.17	25.08	<=38.45	Pass		
			25	22.21	5.17	25.23	<=38.45	Pass		
		50	0	22.14	5.17	25.16	<=38.45	Pass		
		16QAM	829	1	0	22.55	5.17	25.57	<=38.45	Pass
					25	22.29	5.17	25.31	<=38.45	Pass
	49				22.35	5.17	25.37	<=38.45	Pass	
	12			0	22.20	5.17	25.22	<=38.45	Pass	
19				22.04	5.17	25.06	<=38.45	Pass		
38				22.06	5.17	25.08	<=38.45	Pass		
27	0			21.02	5.17	24.04	<=38.45	Pass		
836.5	1		0	21.90	5.17	24.92	<=38.45	Pass		
			25	22.03	5.17	25.05	<=38.45	Pass		
			49	21.89	5.17	24.91	<=38.45	Pass		
	12		0	21.89	5.17	24.91	<=38.45	Pass		
			19	21.95	5.17	24.97	<=38.45	Pass		
			38	21.85	5.17	24.87	<=38.45	Pass		
27	0		21.02	5.17	24.04	<=38.45	Pass			
844	1		0	21.90	5.17	24.92	<=38.45	Pass		
		25	21.89	5.17	24.91	<=38.45	Pass			
		49	22.11	5.17	25.13	<=38.45	Pass			
	12	0	22.01	5.17	25.03	<=38.45	Pass			
		19	22.11	5.17	25.13	<=38.45	Pass			
		38	22.40	5.17	25.42	<=38.45	Pass			
	27	23	21.50	5.17	24.52	<=38.45	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.40	-1.559	-0.0019	-2.5 to 2.5	Pass
					3.80	-1.073	-0.0013	-2.5 to 2.5	Pass
					4.20	-0.601	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-0.486	-0.0006	-2.5 to 2.5	Pass
				-20	3.80	-0.372	-0.0004	-2.5 to 2.5	Pass
				-10	3.80	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.80	0.572	0.0007	-2.5 to 2.5	Pass
				30	3.80	-0.057	-0.0001	-2.5 to 2.5	Pass
				40	3.80	0.386	0.0005	-2.5 to 2.5	Pass

				50	3.80	0.257	0.0003	-2.5 to 2.5	Pass
	836.5	50	0	20	3.40	0.300	0.0004	-2.5 to 2.5	Pass
					3.80	0.043	0.0001	-2.5 to 2.5	Pass
					4.20	1.159	0.0014	-2.5 to 2.5	Pass
					-30	3.80	0.000	0.0000	-2.5 to 2.5
				-20	3.80	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-0.257	-0.0003	-2.5 to 2.5	Pass
				0	3.80	0.300	0.0004	-2.5 to 2.5	Pass
				10	3.80	0.057	0.0001	-2.5 to 2.5	Pass
				30	3.80	-0.014	0.0000	-2.5 to 2.5	Pass
				40	3.80	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.80	-0.072	-0.0001	-2.5 to 2.5	Pass
	844	50	0	20	3.40	-0.501	-0.0006	-2.5 to 2.5	Pass
					3.80	-0.472	-0.0006	-2.5 to 2.5	Pass
					4.20	0.172	0.0002	-2.5 to 2.5	Pass
					-30	3.80	-0.358	-0.0004	-2.5 to 2.5
				-20	3.80	-0.758	-0.0009	-2.5 to 2.5	Pass
				-10	3.80	-0.458	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-0.429	-0.0005	-2.5 to 2.5	Pass
				10	3.80	0.501	0.0006	-2.5 to 2.5	Pass
				30	3.80	0.844	0.0010	-2.5 to 2.5	Pass
				40	3.80	-0.415	-0.0005	-2.5 to 2.5	Pass
				50	3.80	-0.029	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

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	1.104	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.107	/	Pass
	16QAM	824.7	6	0	1.109	/	Pass
		836.5	6	0	1.120	/	Pass
		848.3	6	0	1.116	/	Pass
3	QPSK	825.5	15	0	2.743	/	Pass
		836.5	15	0	2.734	/	Pass
		847.5	15	0	2.742	/	Pass
	16QAM	825.5	15	0	2.738	/	Pass
		836.5	15	0	2.734	/	Pass
		847.5	15	0	2.716	/	Pass
5	QPSK	826.5	25	0	4.577	/	Pass
		836.5	25	0	4.585	/	Pass
		846.5	25	0	4.556	/	Pass
	16QAM	826.5	25	0	4.562	/	Pass
		836.5	25	0	4.561	/	Pass
		846.5	25	0	4.554	/	Pass
10	QPSK	829	50	0	9.043	/	Pass
		836.5	50	0	9.073	/	Pass
		844	50	0	9.055	/	Pass
	16QAM	829	27	0	5.107	/	Pass
		836.5	27	0	5.100	/	Pass
		844	27	23	5.158	/	Pass

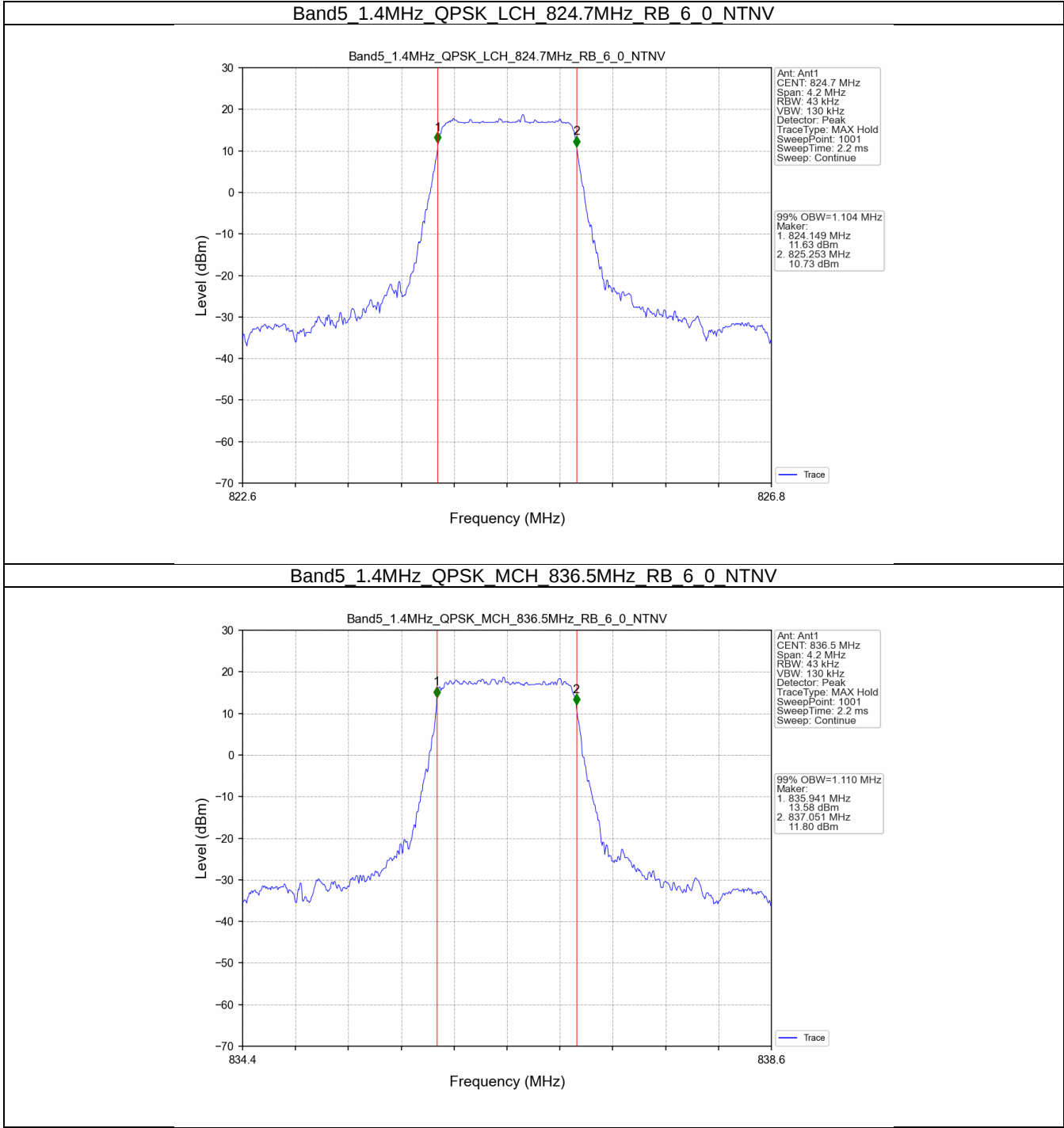
3.1.2 Band5_XDB

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.321	/	Pass
		836.5	6	0	1.325	/	Pass
		848.3	6	0	1.319	/	Pass
	16QAM	824.7	6	0	1.340	/	Pass
		836.5	6	0	1.319	/	Pass
		848.3	6	0	1.339	/	Pass
3	QPSK	825.5	15	0	3.051	/	Pass
		836.5	15	0	3.054	/	Pass
		847.5	15	0	3.034	/	Pass
	16QAM	825.5	15	0	3.043	/	Pass
		836.5	15	0	3.028	/	Pass
		847.5	15	0	3.049	/	Pass

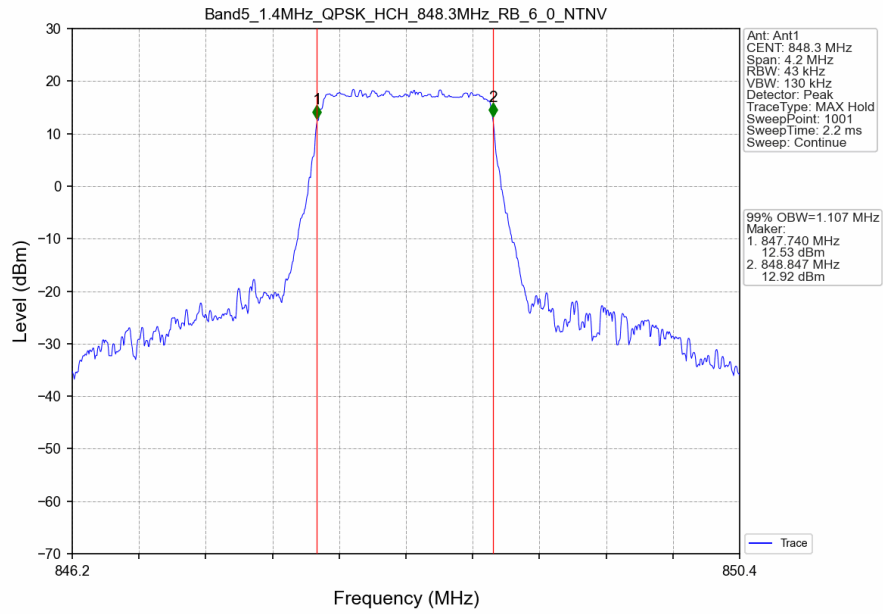
5	QPSK	826.5	25	0	5.733	/	Pass
		836.5	25	0	5.649	/	Pass
		846.5	25	0	5.337	/	Pass
	16QAM	826.5	25	0	5.688	/	Pass
		836.5	25	0	5.255	/	Pass
		846.5	25	0	5.283	/	Pass
10	QPSK	829	50	0	10.392	/	Pass
		836.5	50	0	10.495	/	Pass
		844	50	0	10.264	/	Pass
	16QAM	829	27	0	6.427	/	Pass
		836.5	27	0	6.264	/	Pass
		844	27	23	6.386	/	Pass

3.2 Test Graph

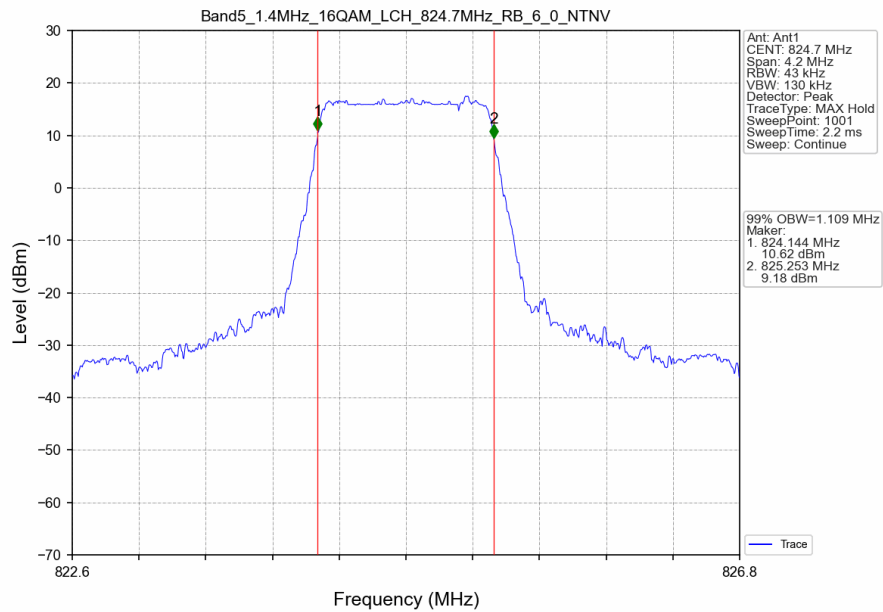
3.2.1 Band5_OBW



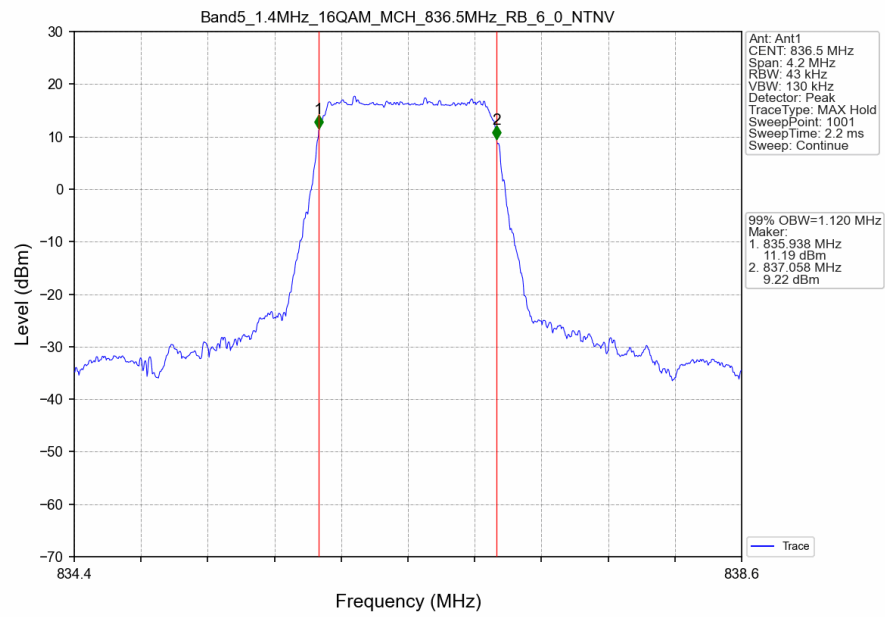
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



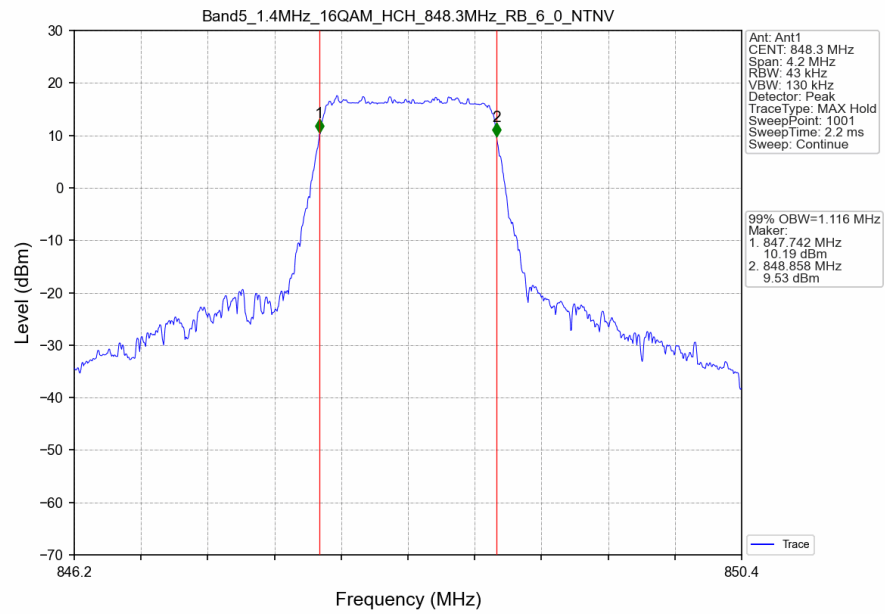
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



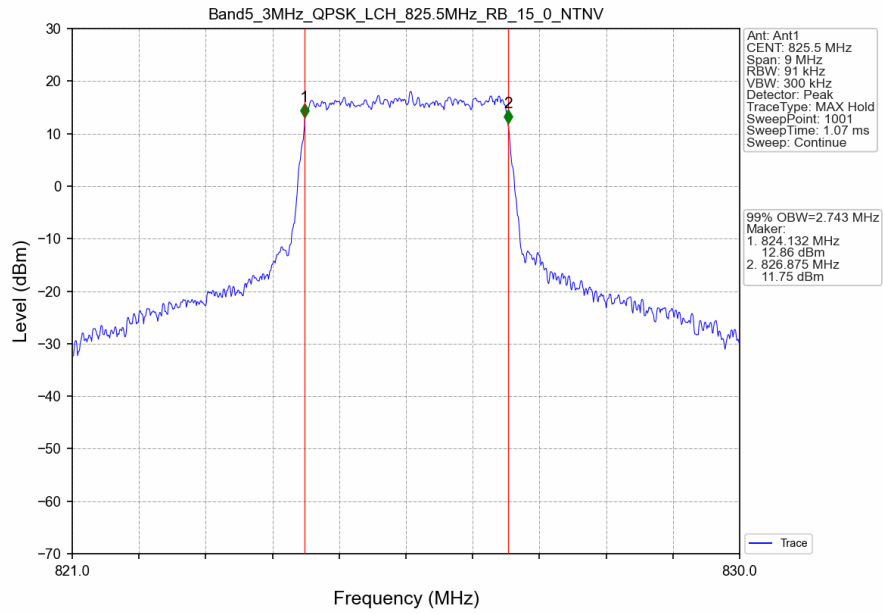
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



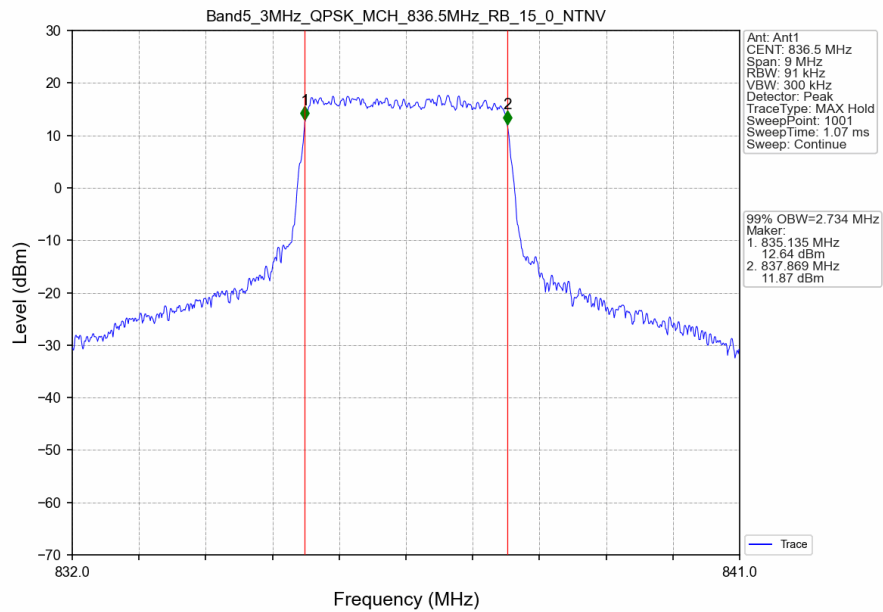
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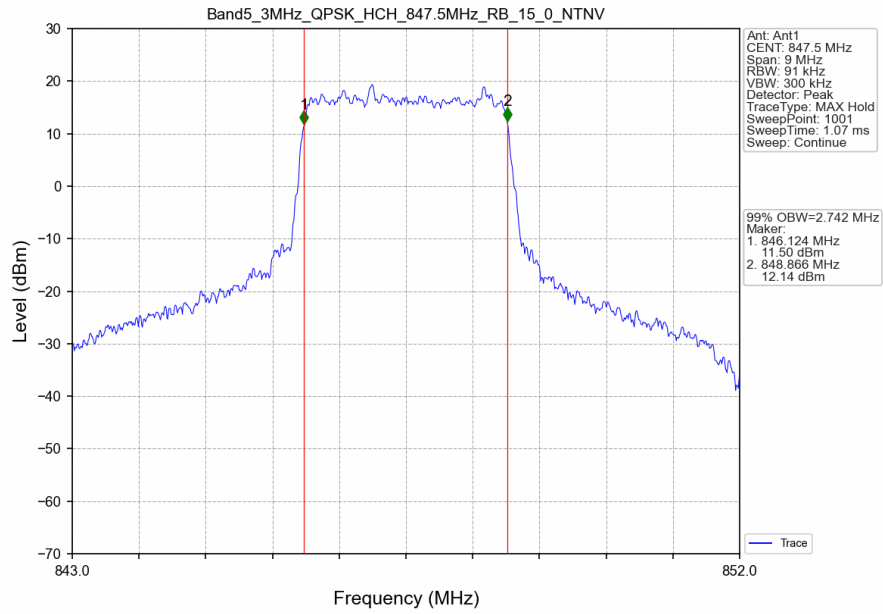
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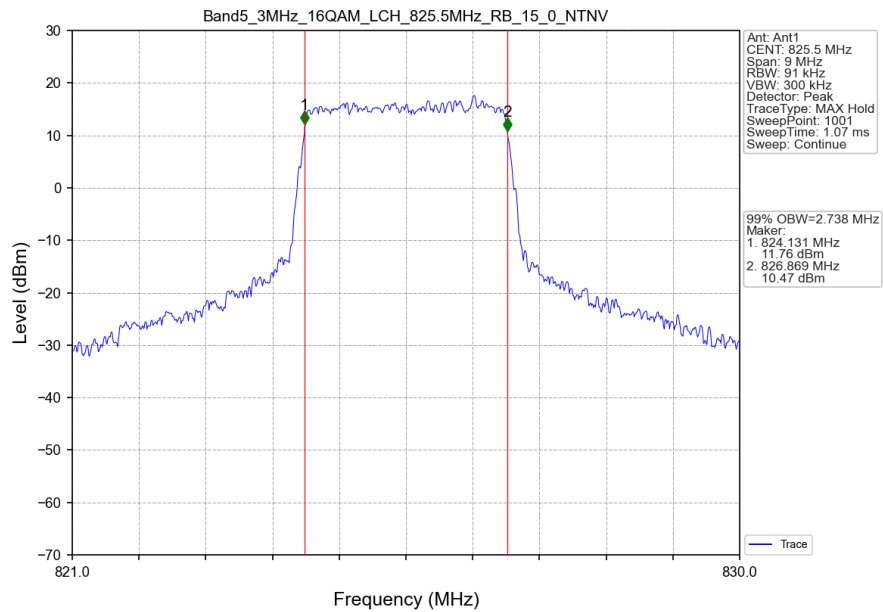
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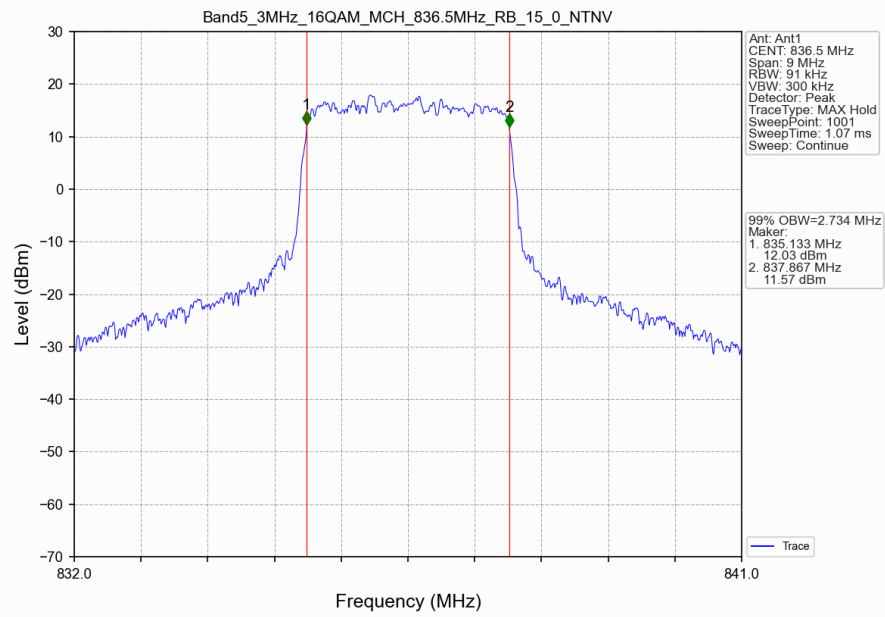
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



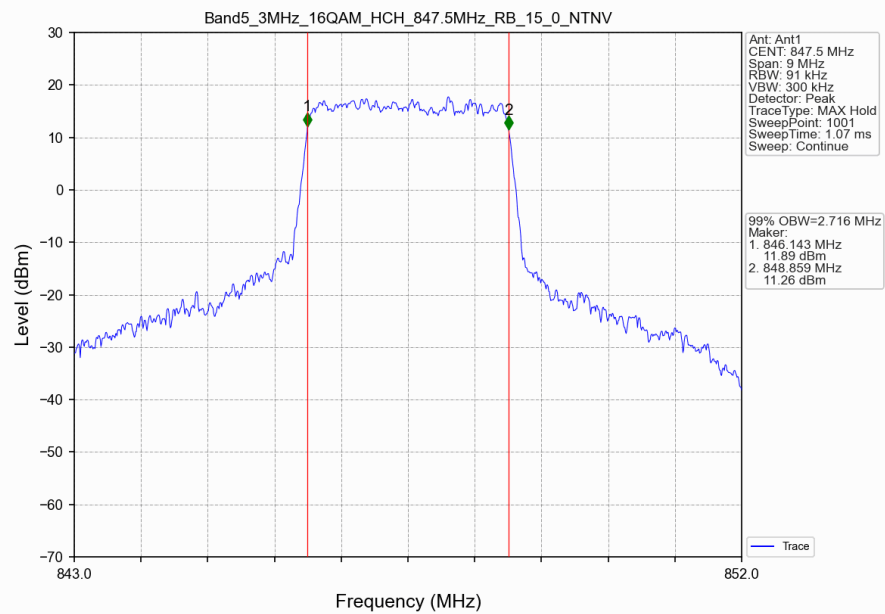
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



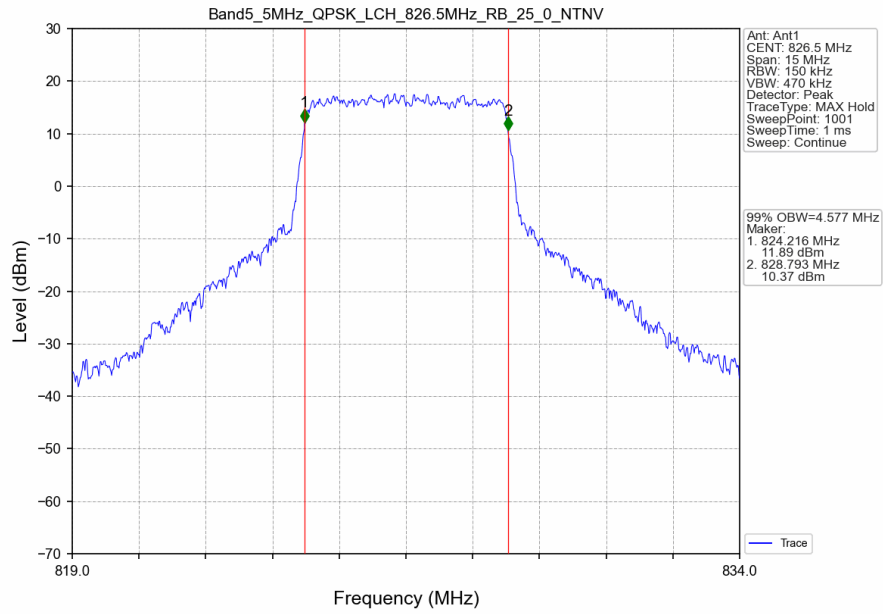
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



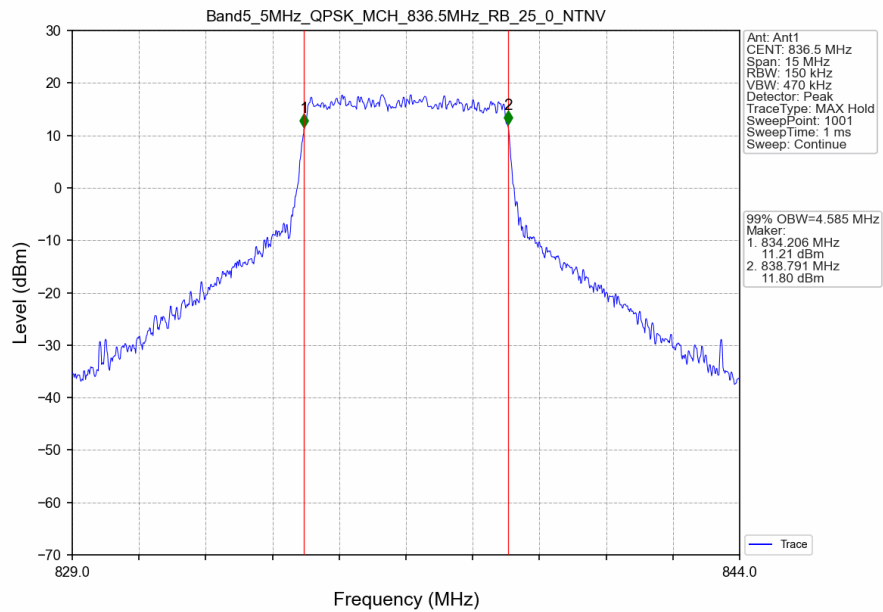
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



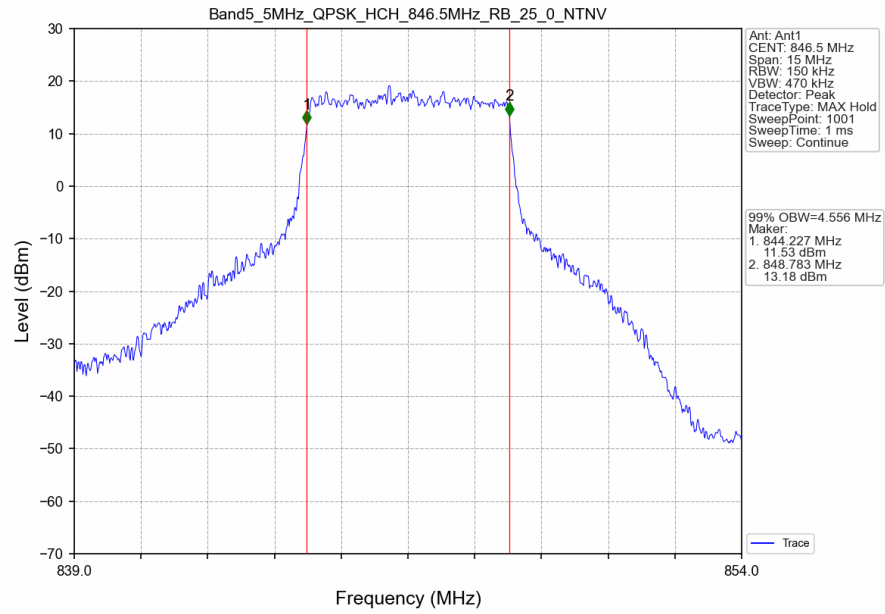
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



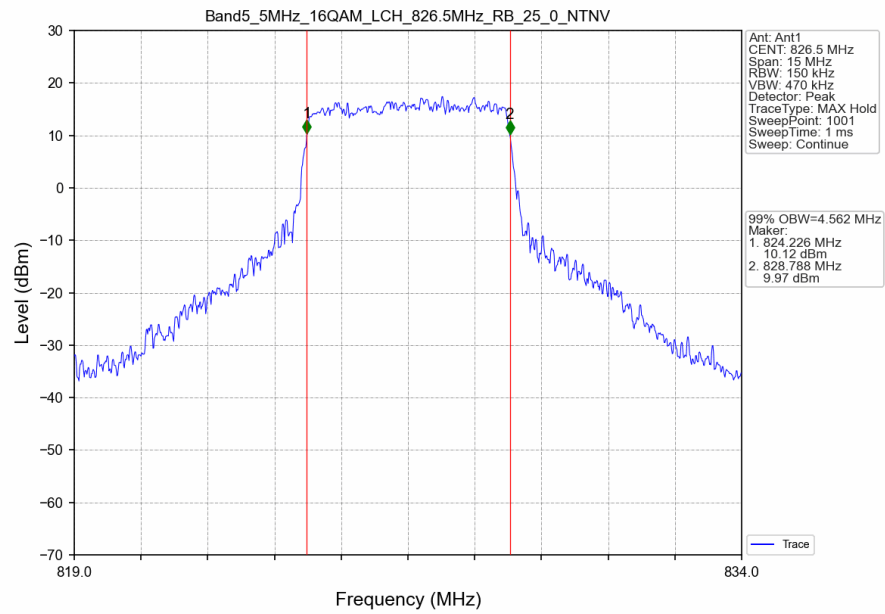
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



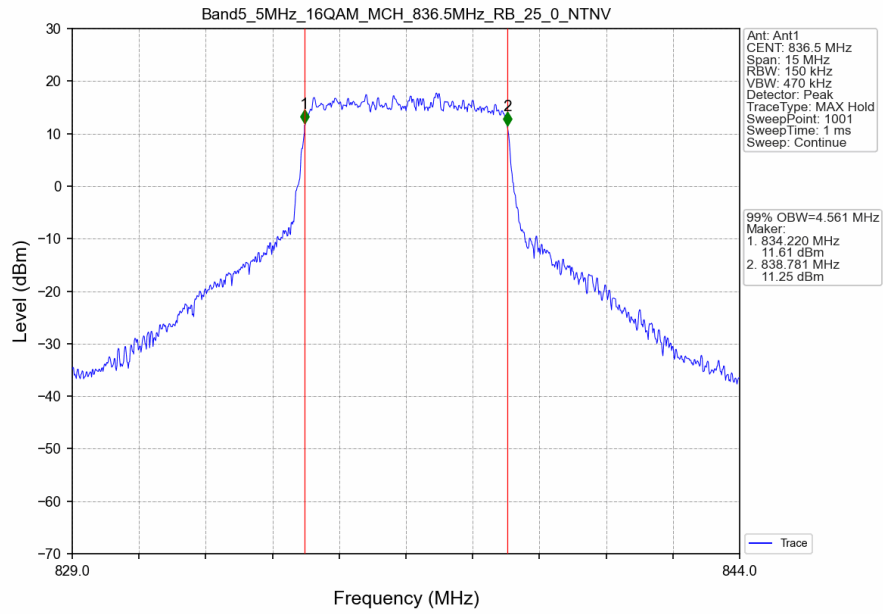
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



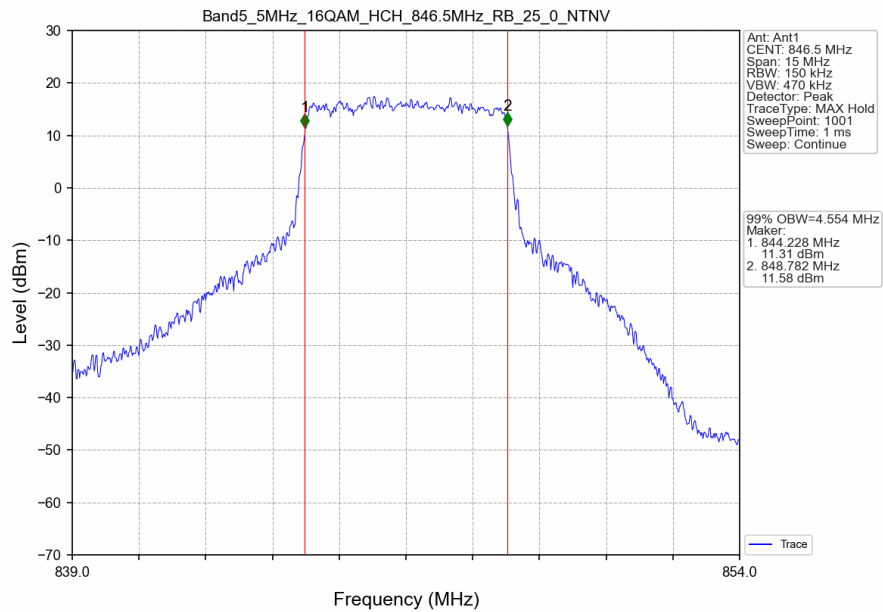
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



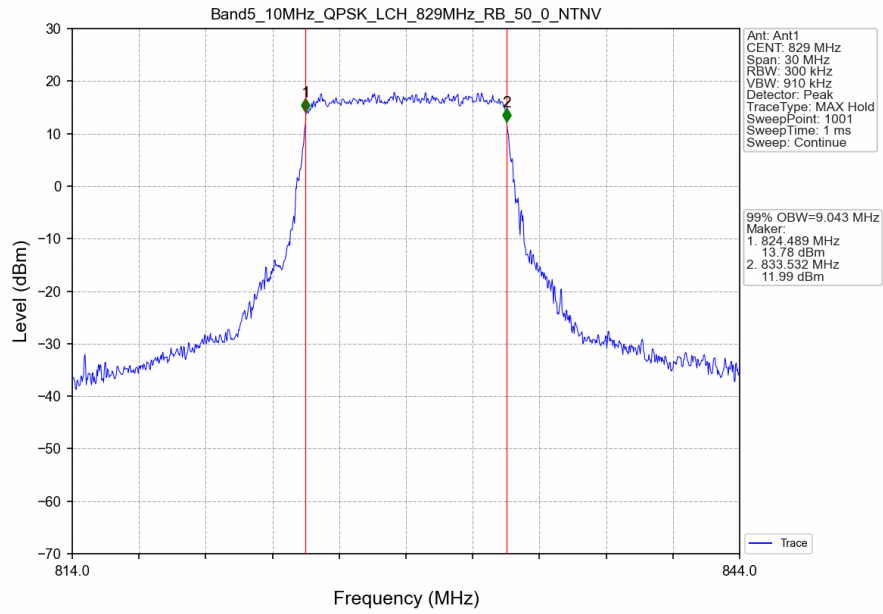
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



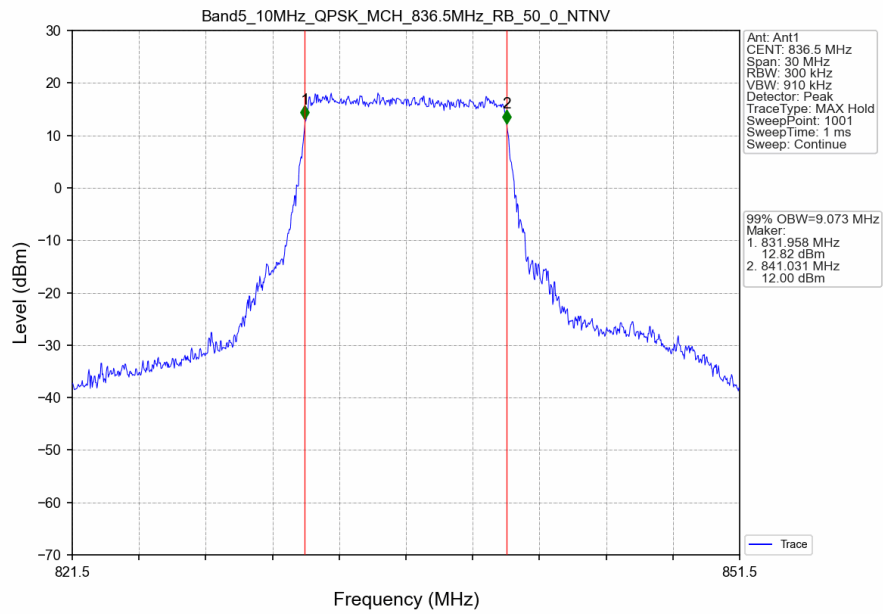
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



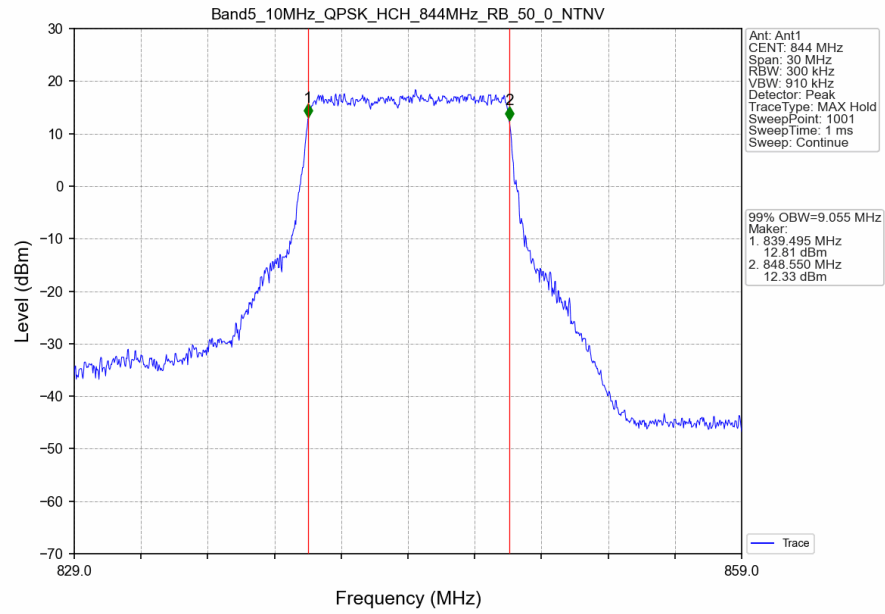
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



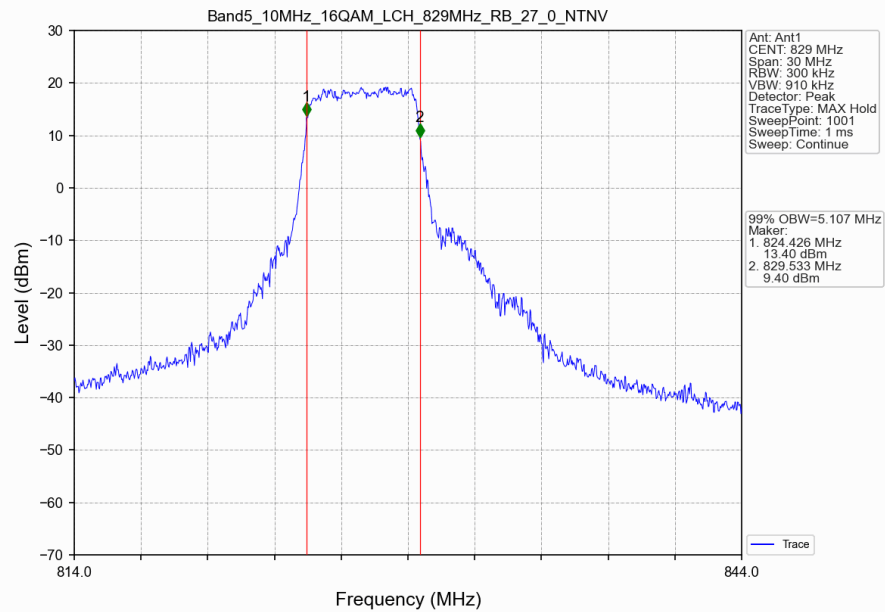
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



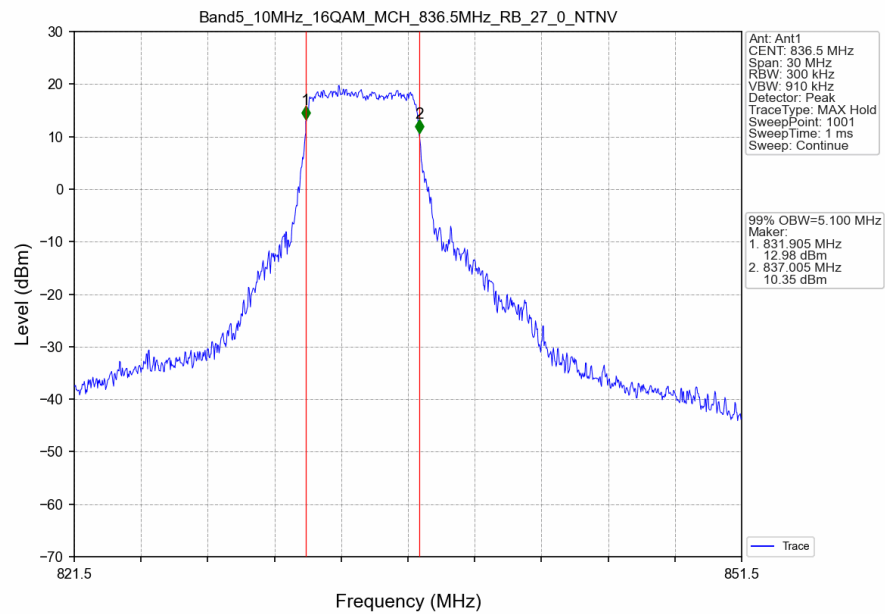
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



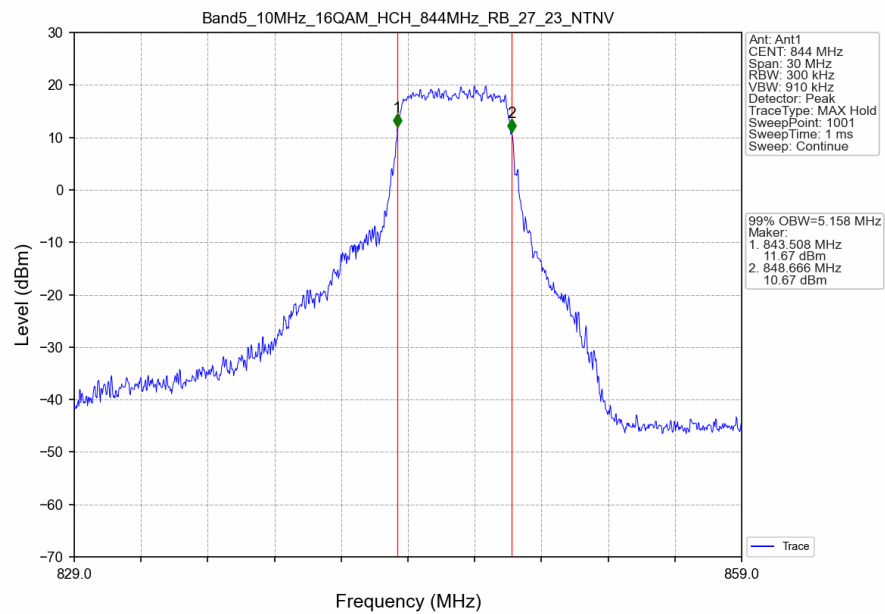
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



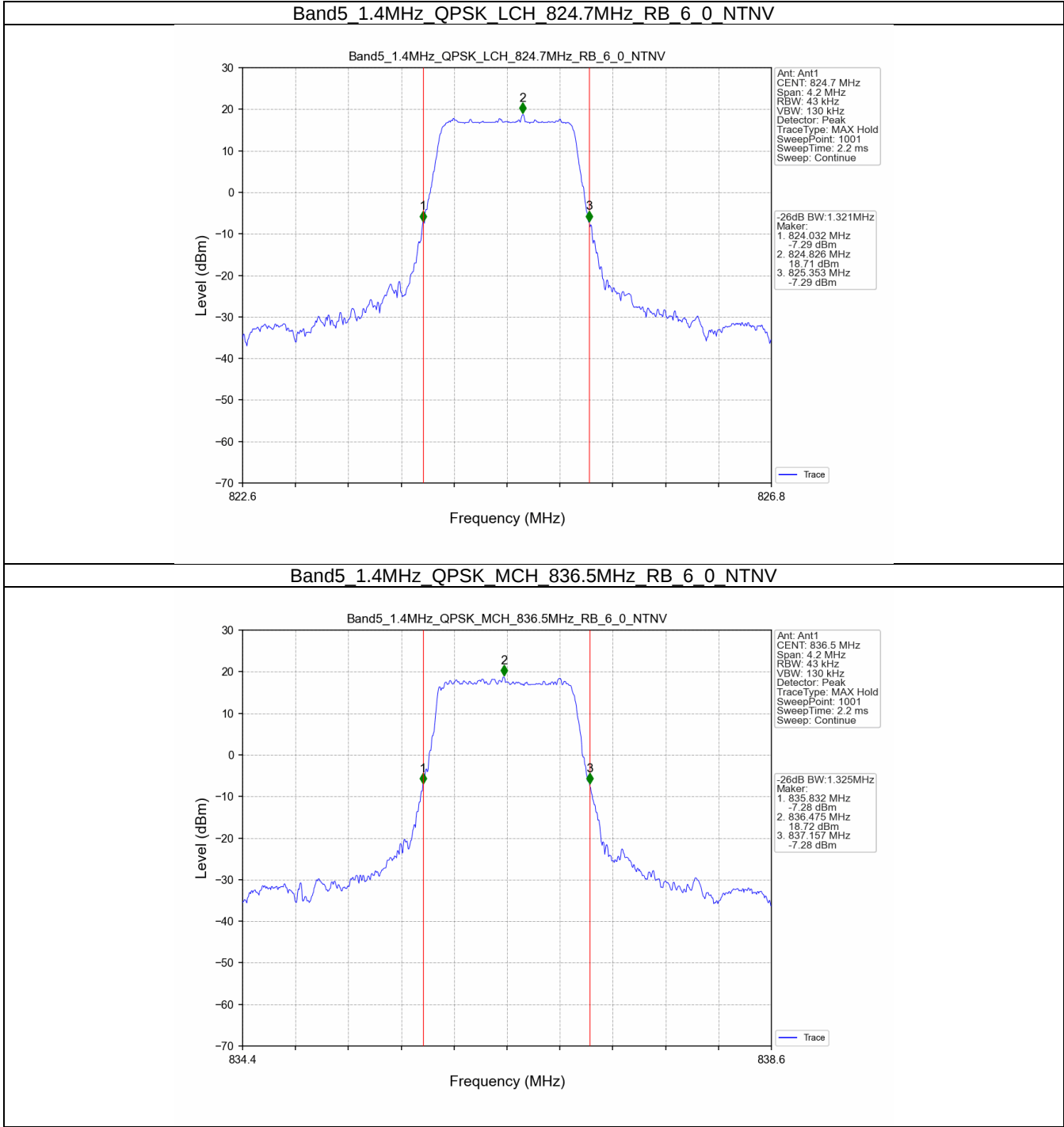
Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



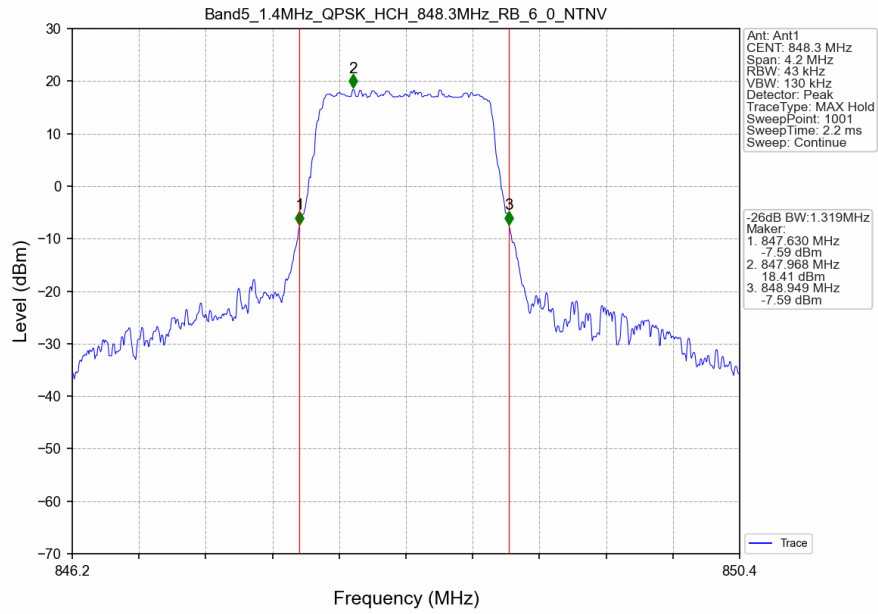
Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV



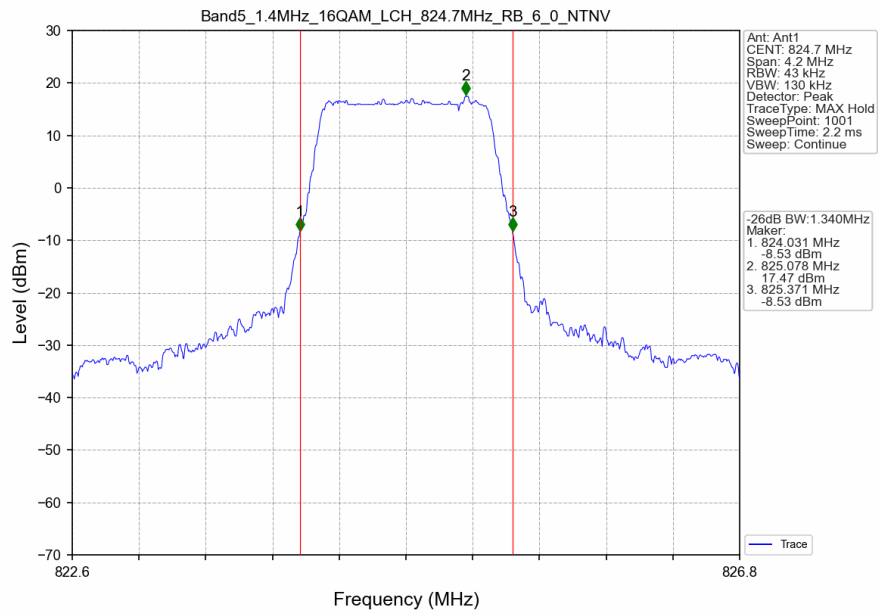
3.2.2 Band5_XDB



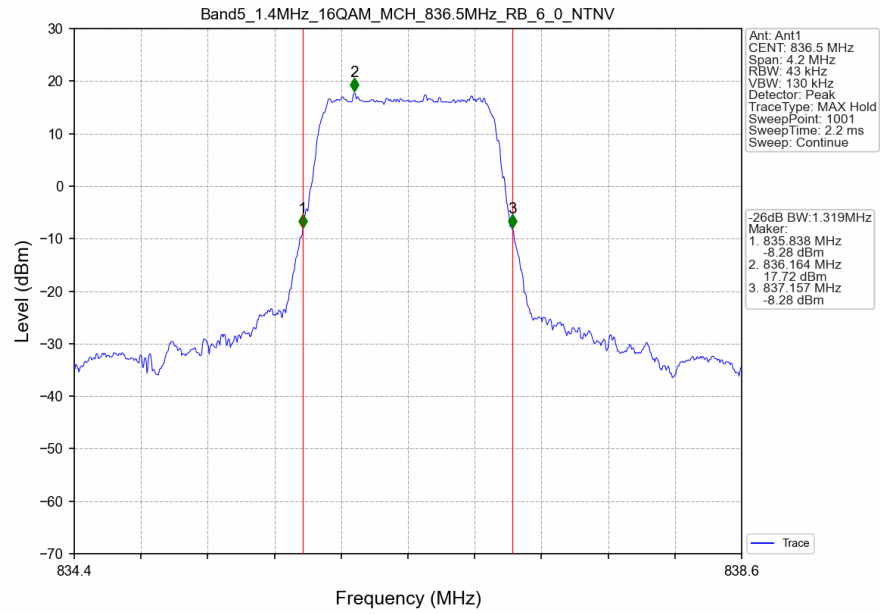
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



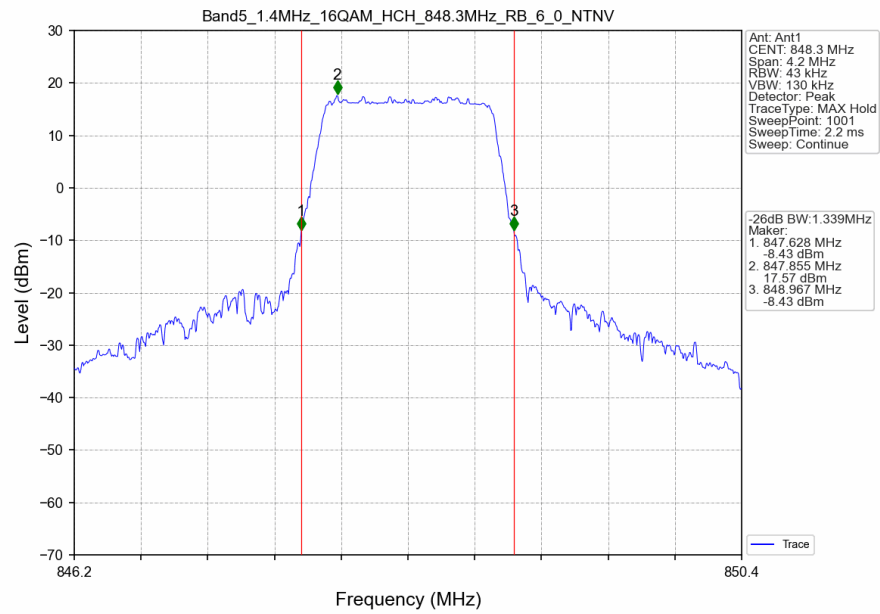
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



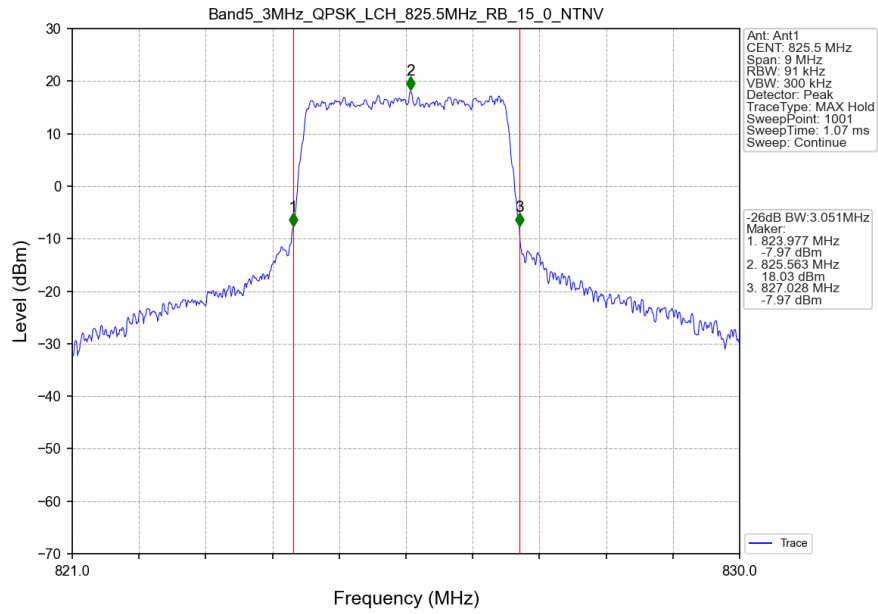
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



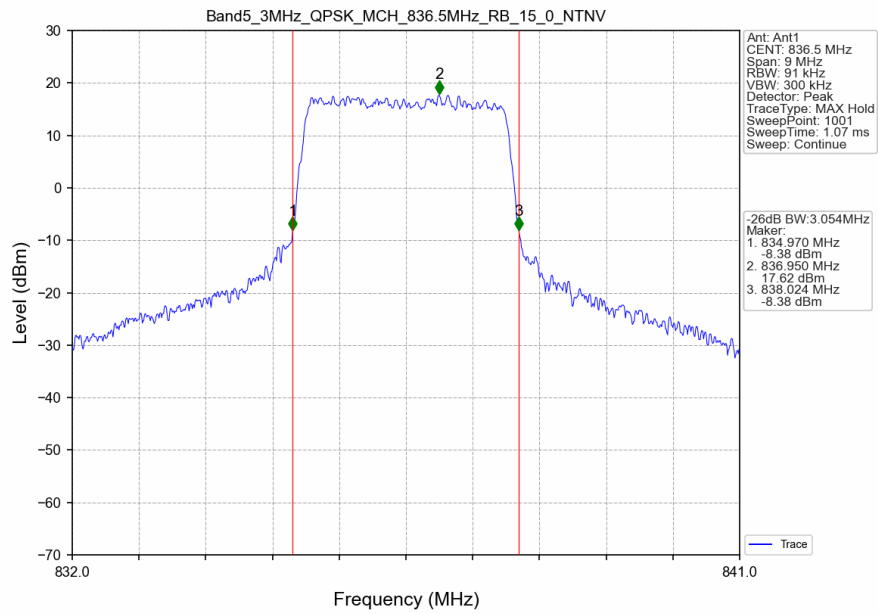
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



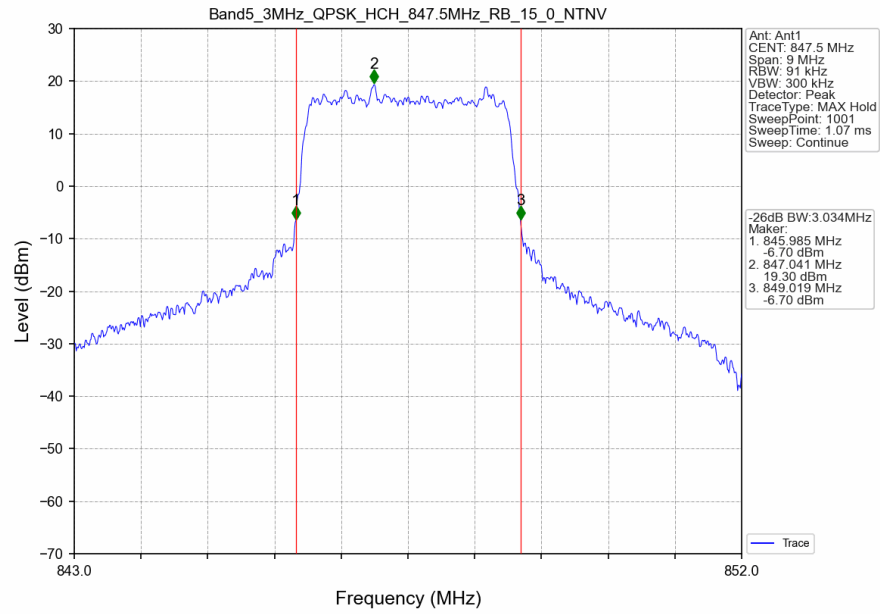
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



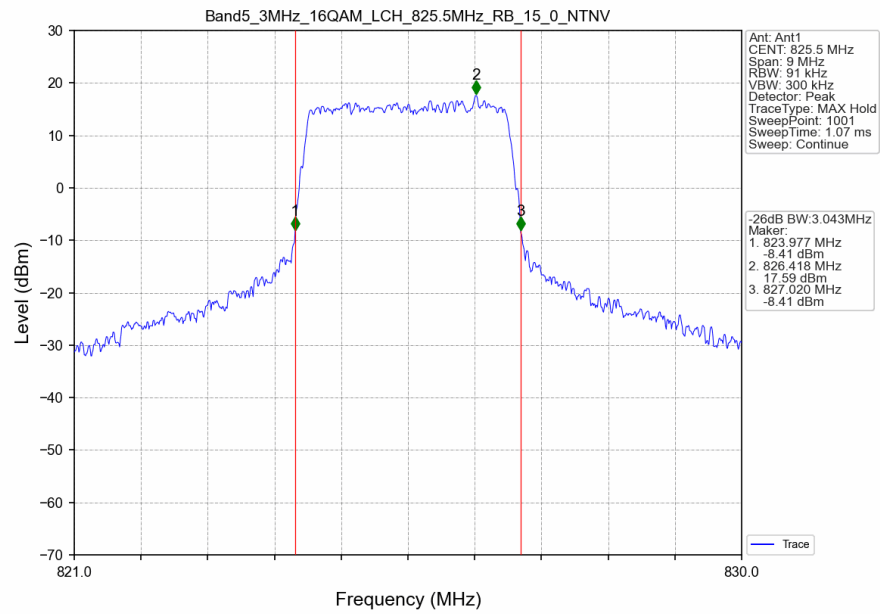
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



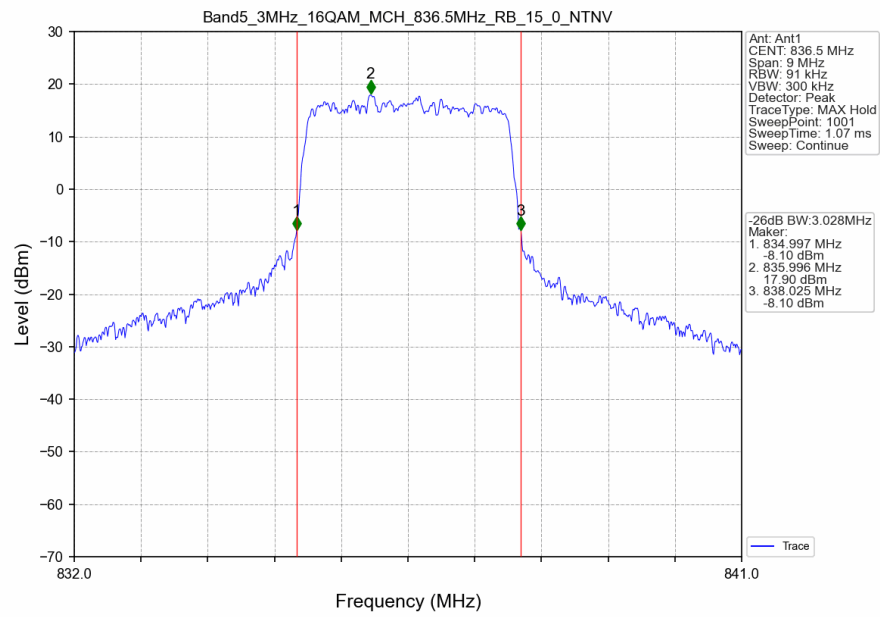
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



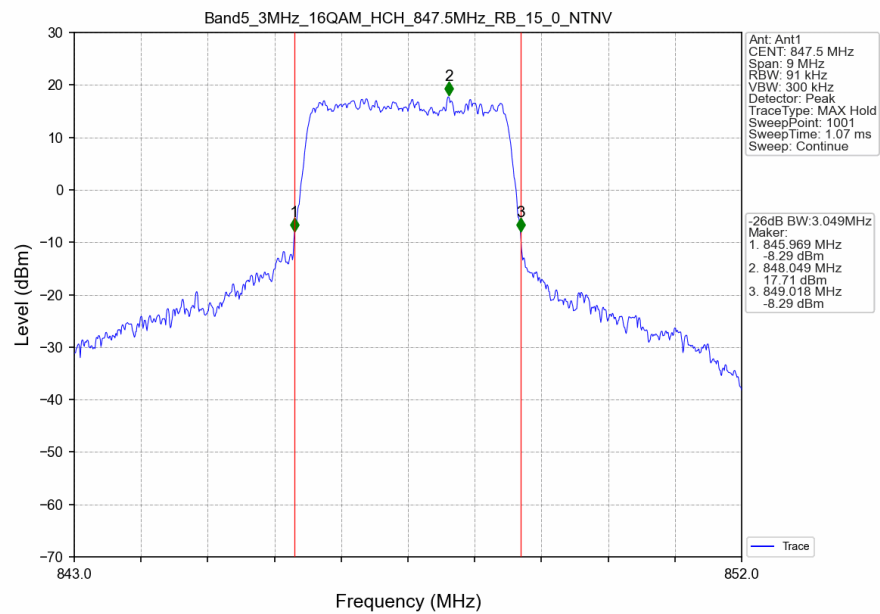
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



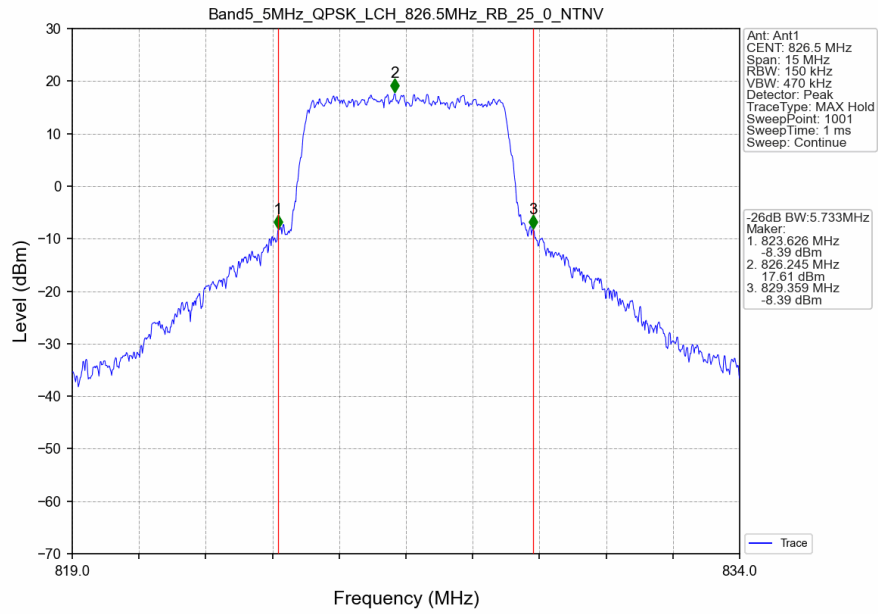
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



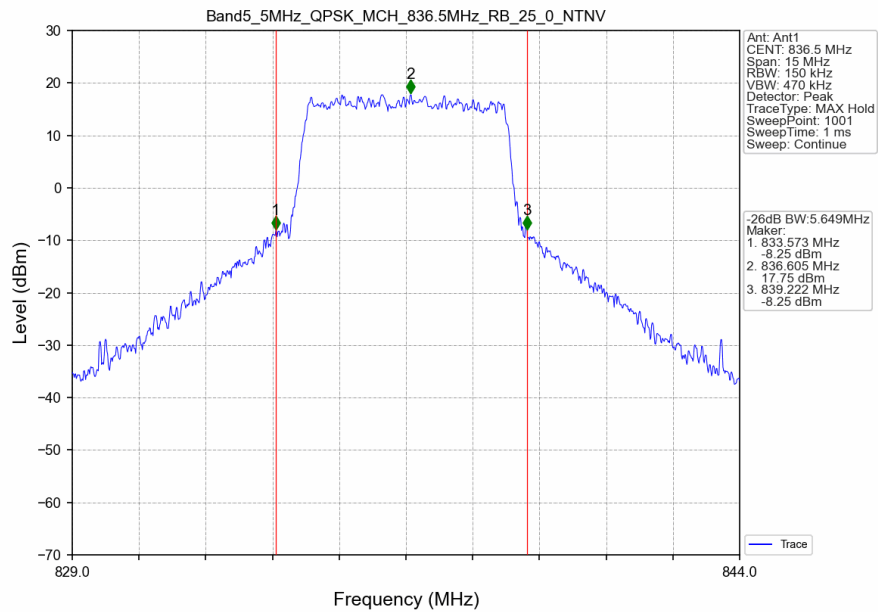
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



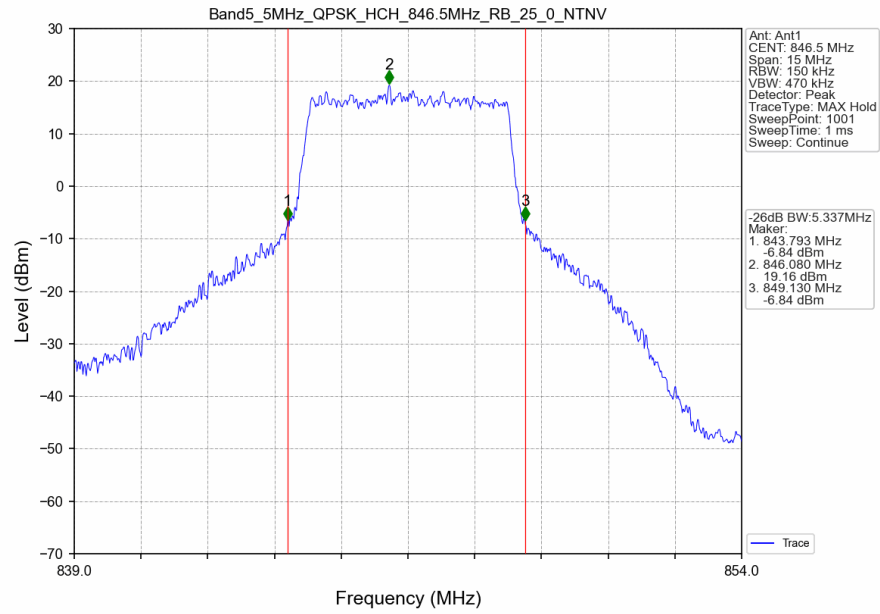
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



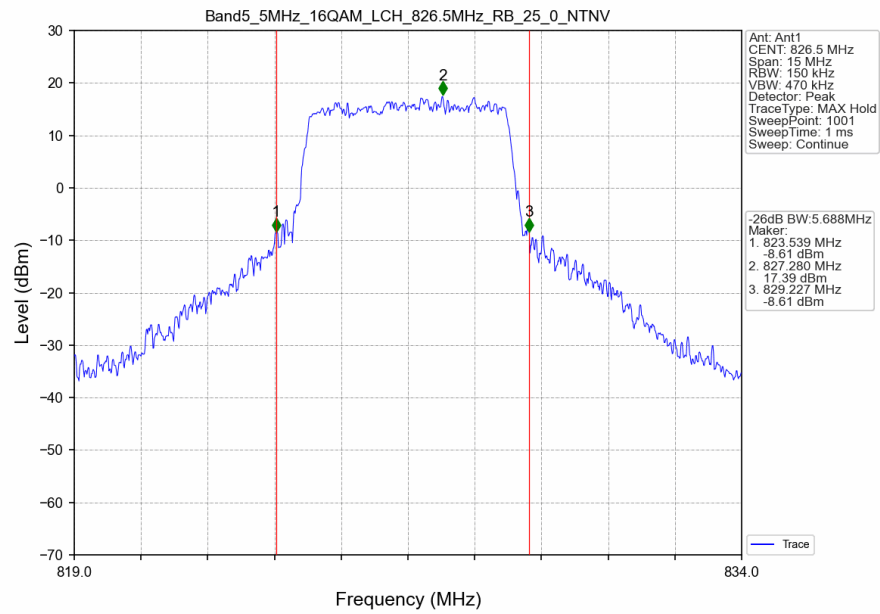
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



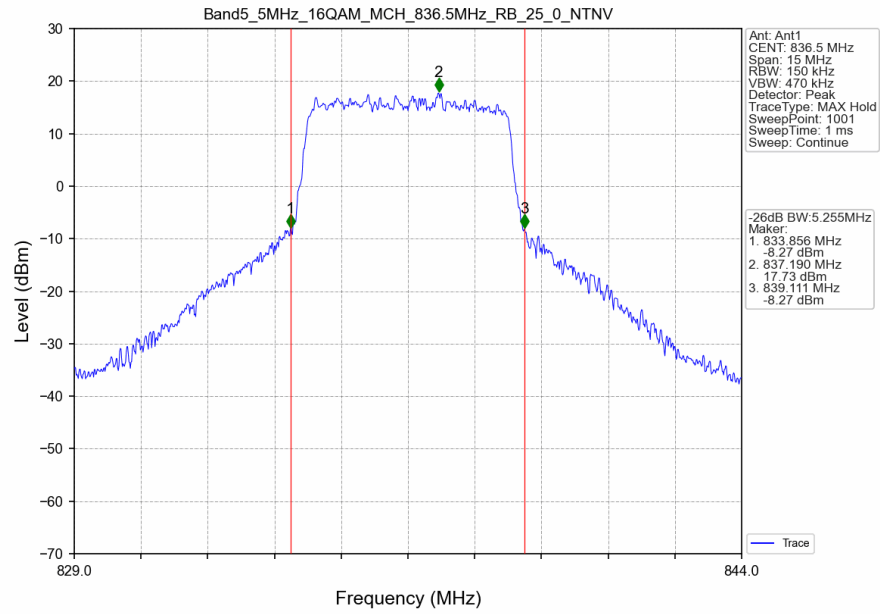
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



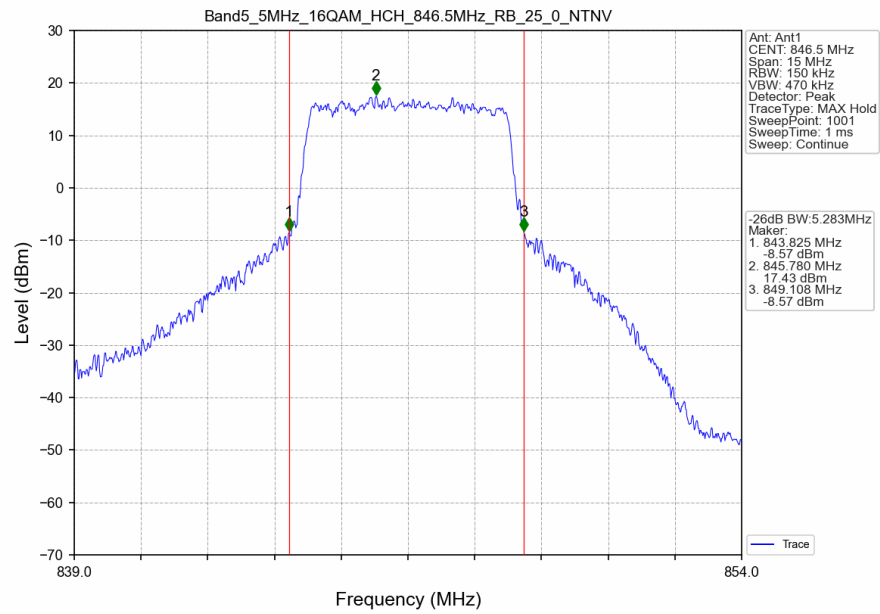
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



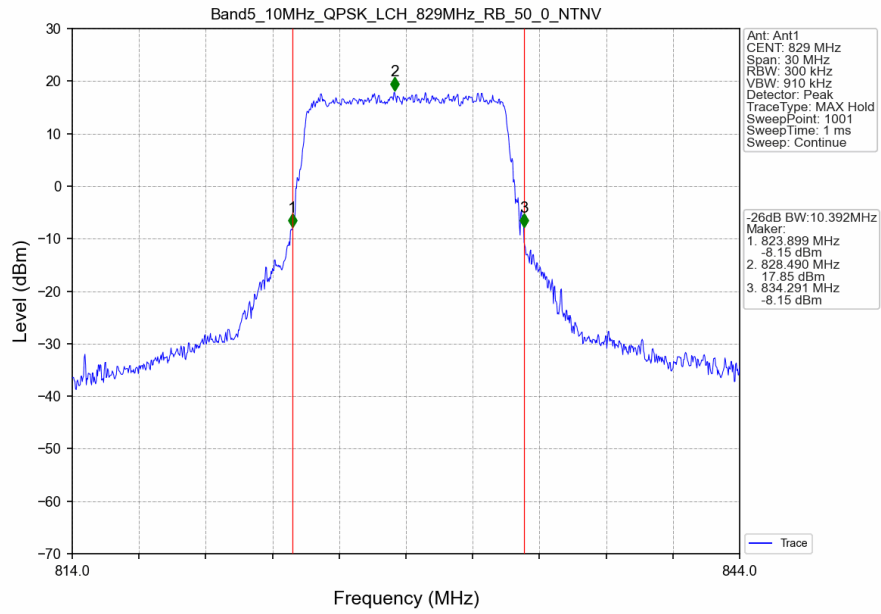
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



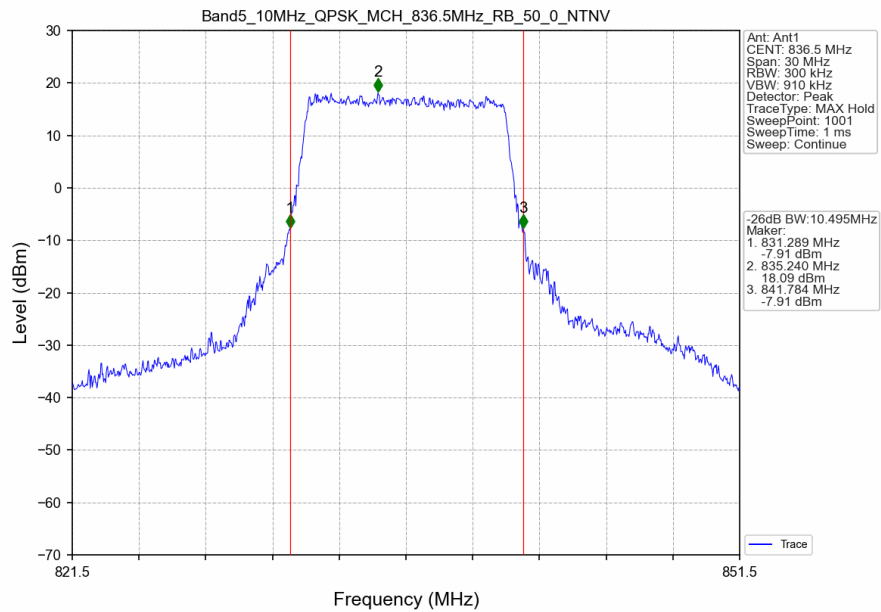
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



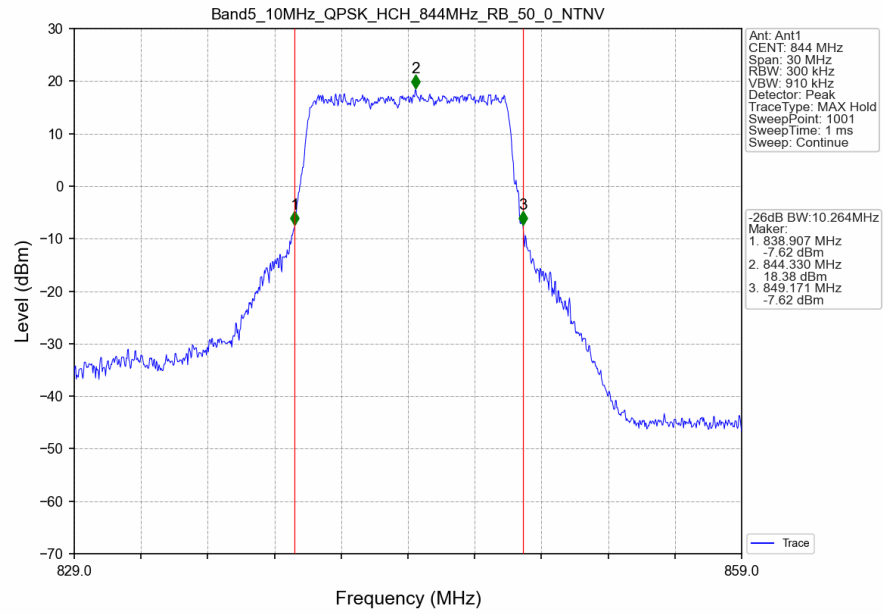
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



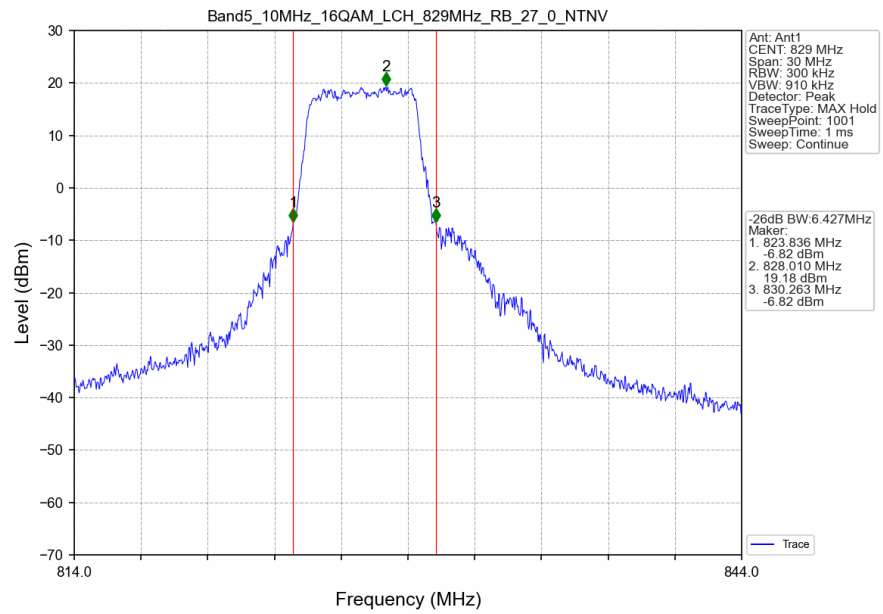
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



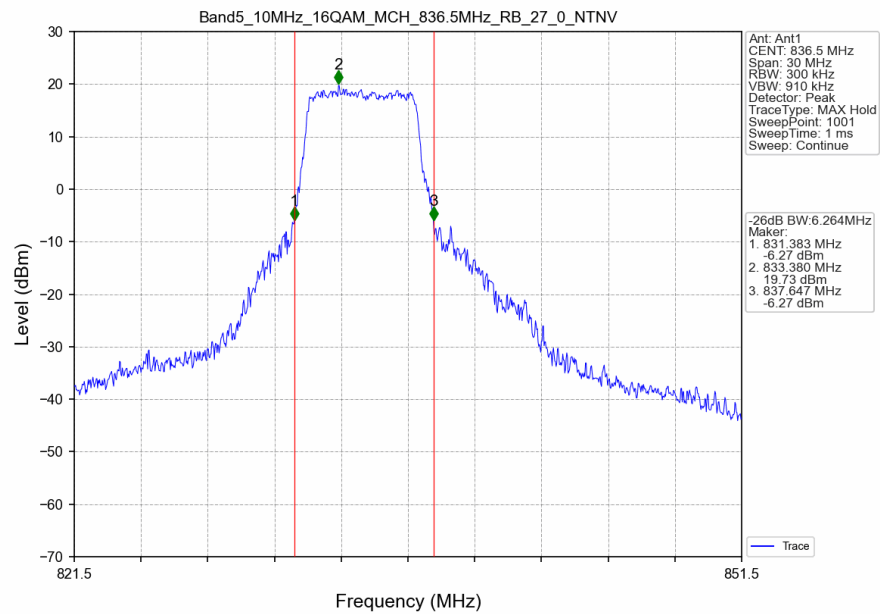
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



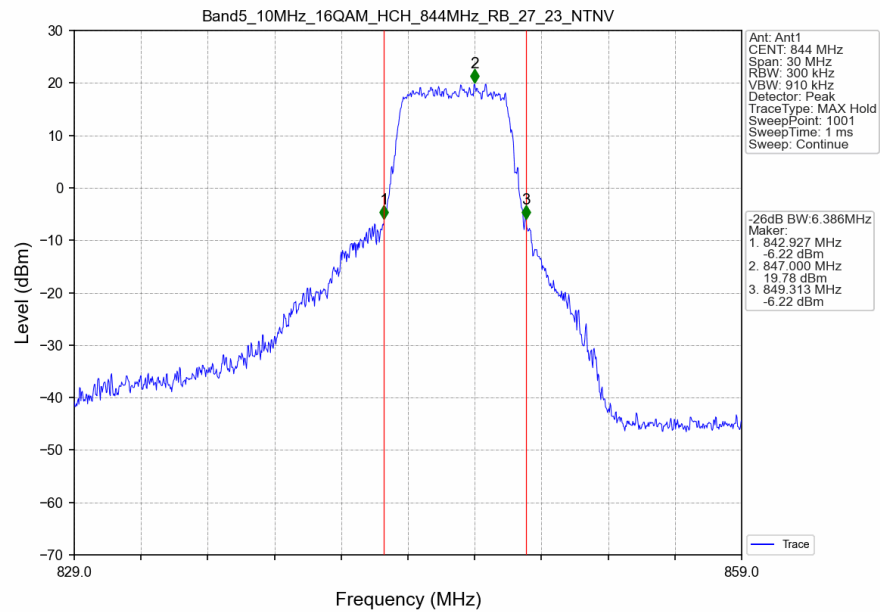
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV



4. Peak-Average Ratio

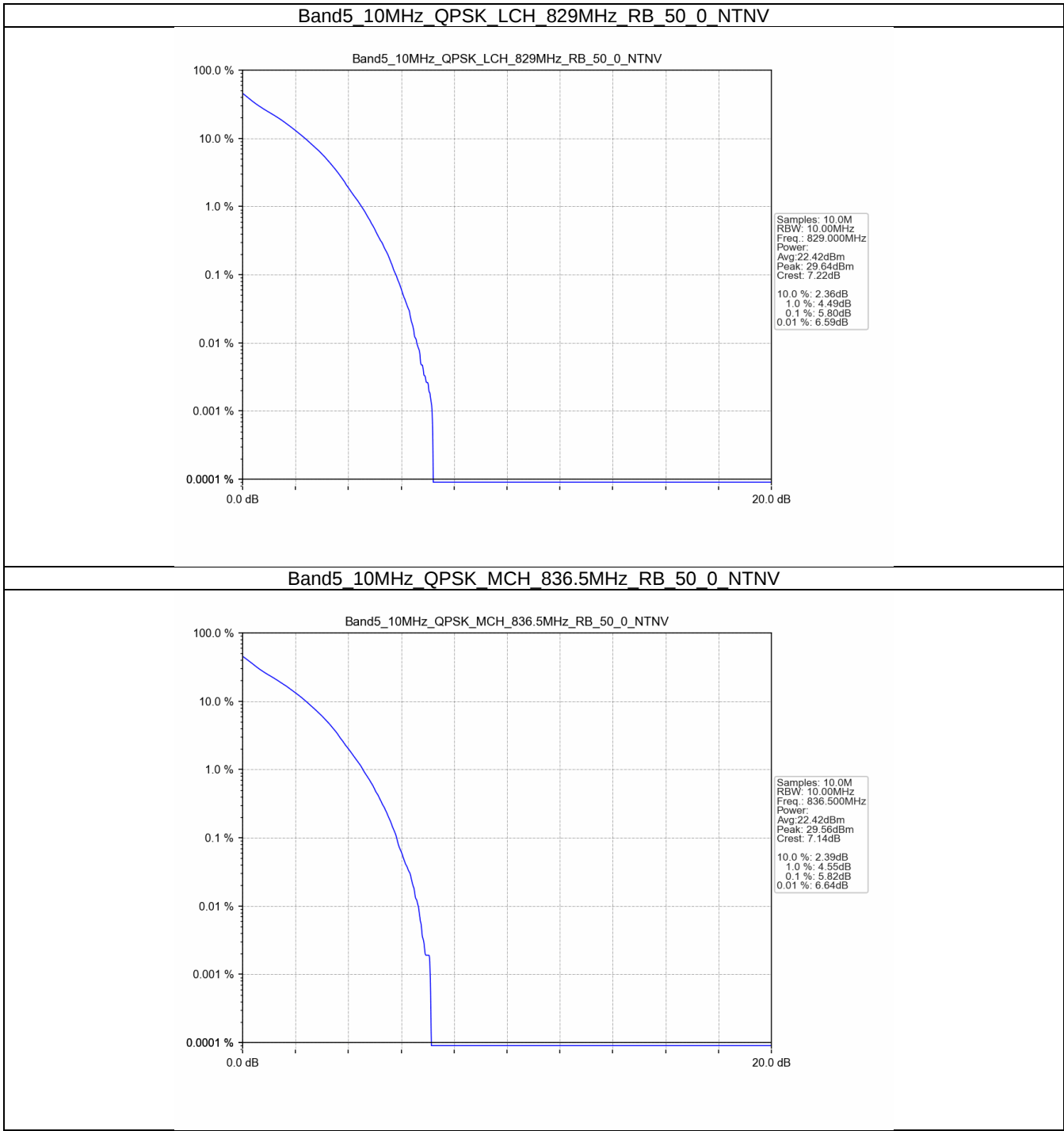
4.1 Test Result

4.1.1 B5_10MHz

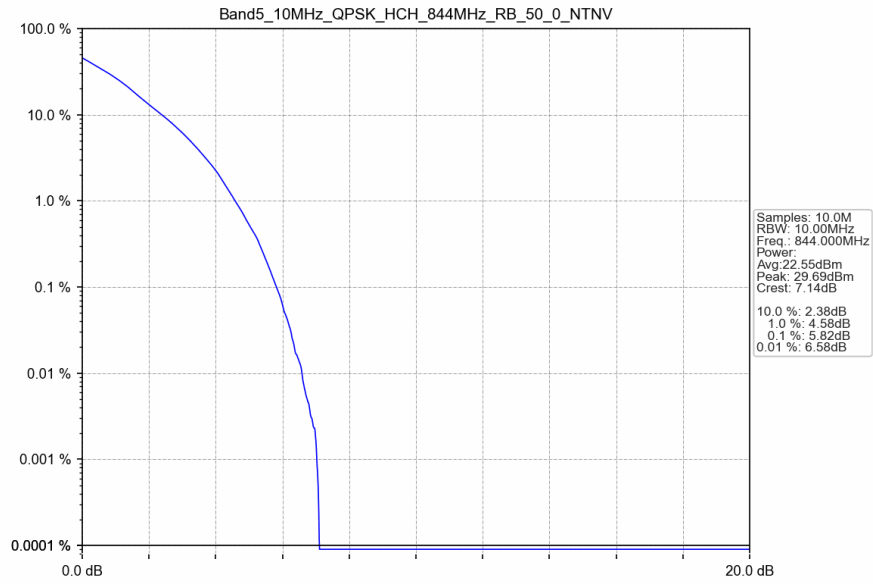
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.80	<=13	Pass
	836.5	50	0	5.82	<=13	Pass
	844	50	0	5.82	<=13	Pass
16QAM	829	27	0	6.63	<=13	Pass
	836.5	27	0	6.69	<=13	Pass
	844	27	23	6.50	<=13	Pass

4.2 Test Graph

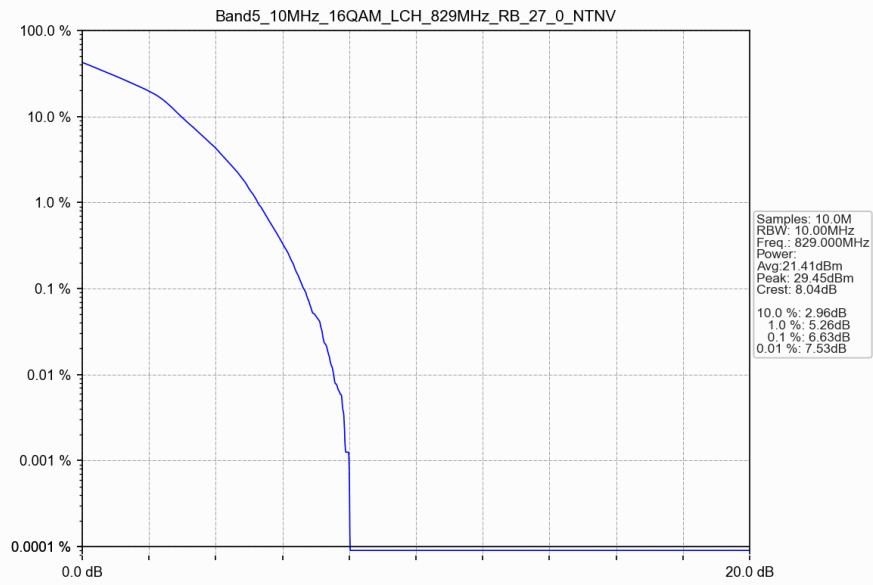
4.2.1 B5_10MHz



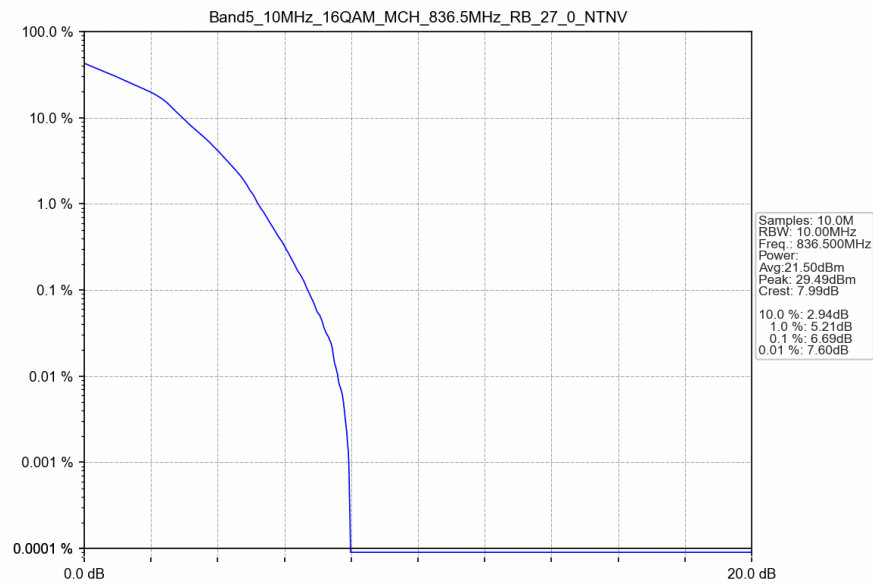
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



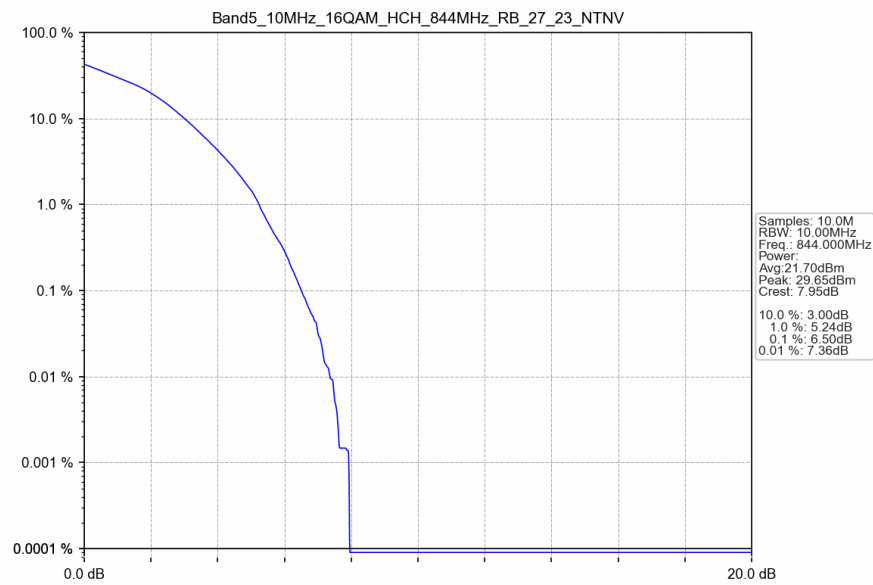
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		848.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

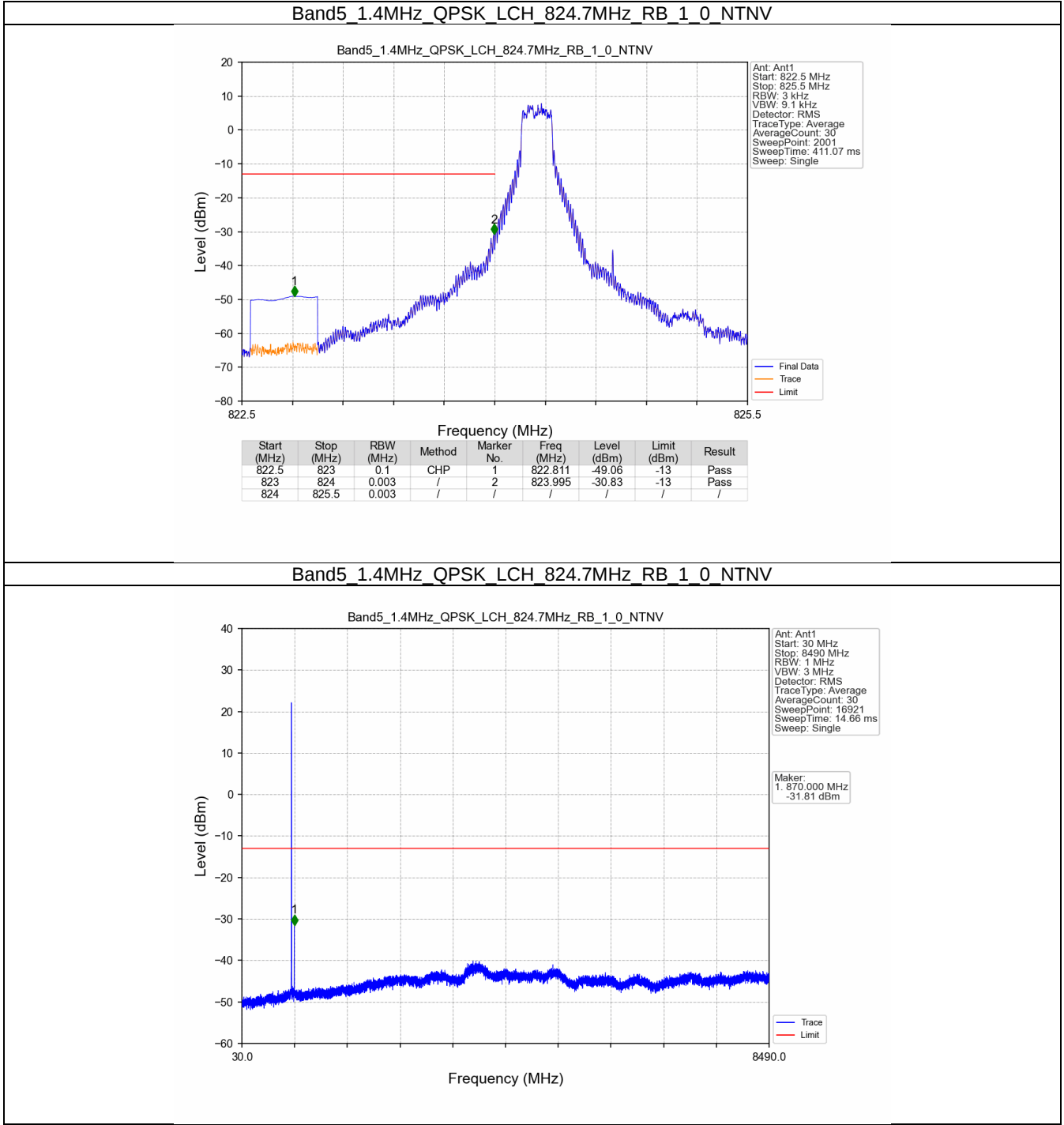
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass

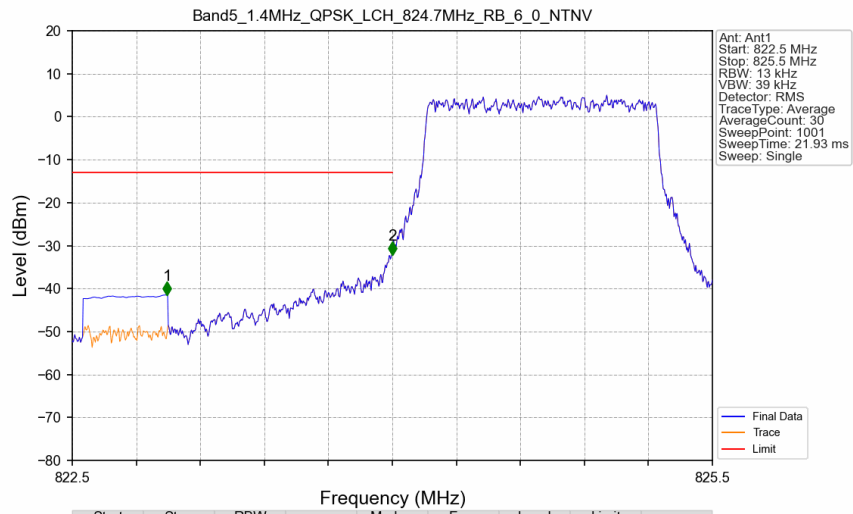
	844	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

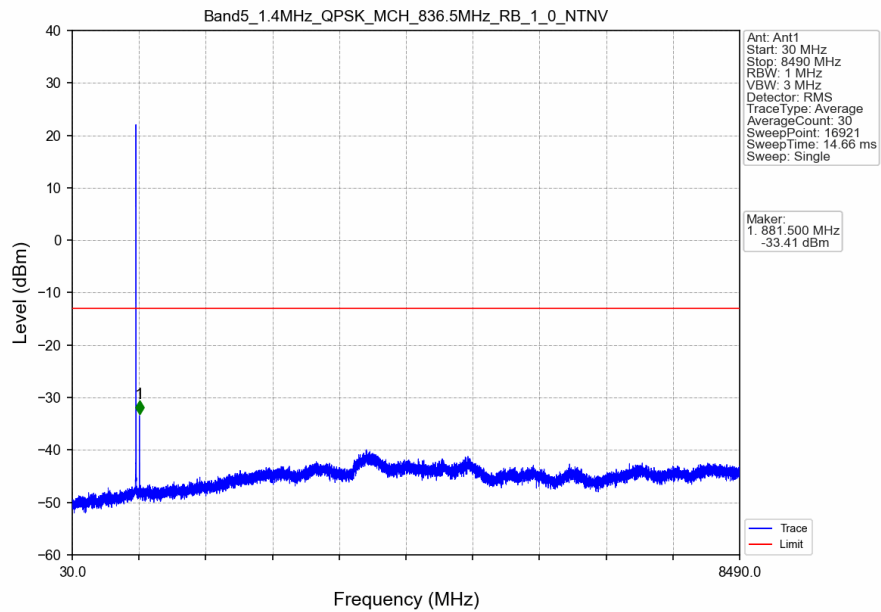
5.2.1 B5_1.4MHz



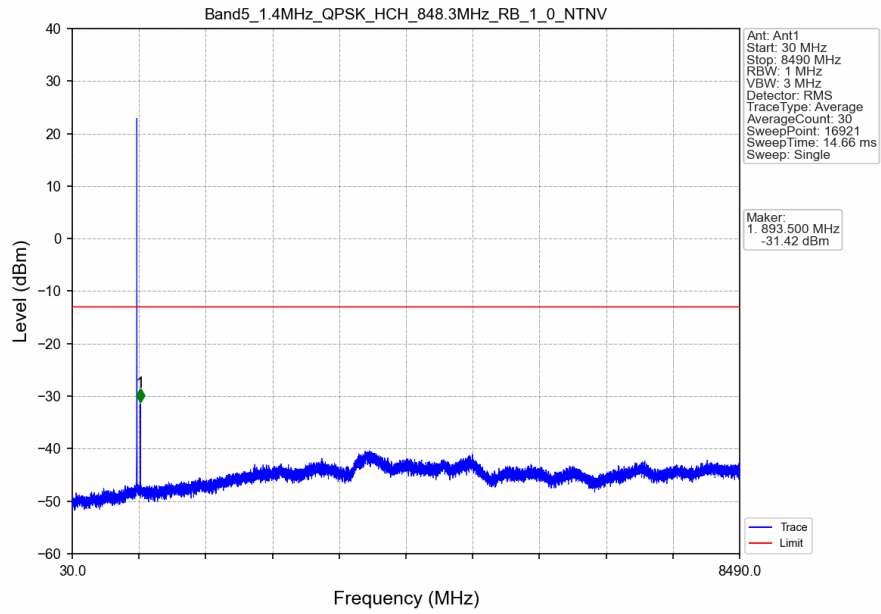
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



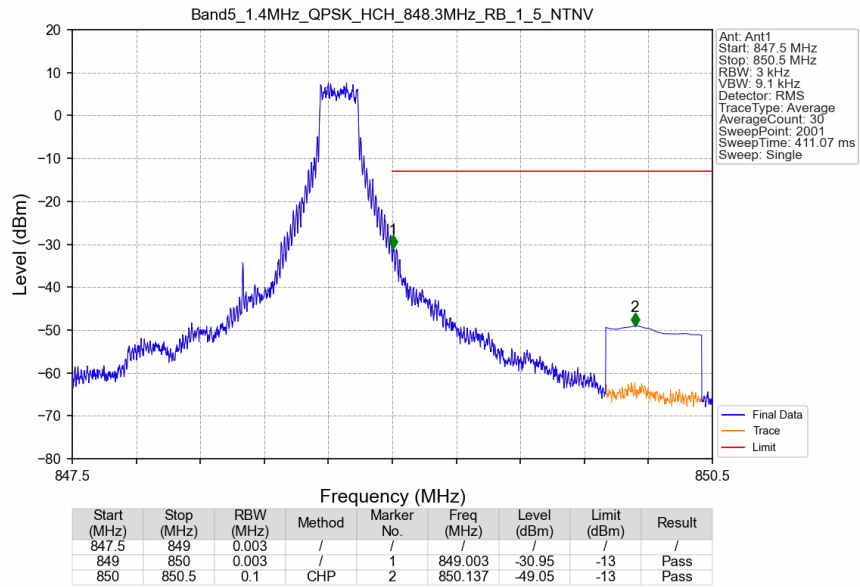
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



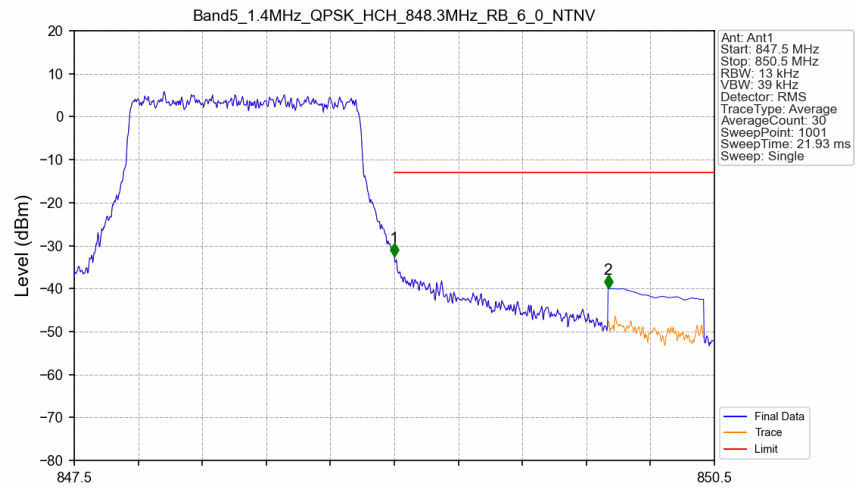
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN

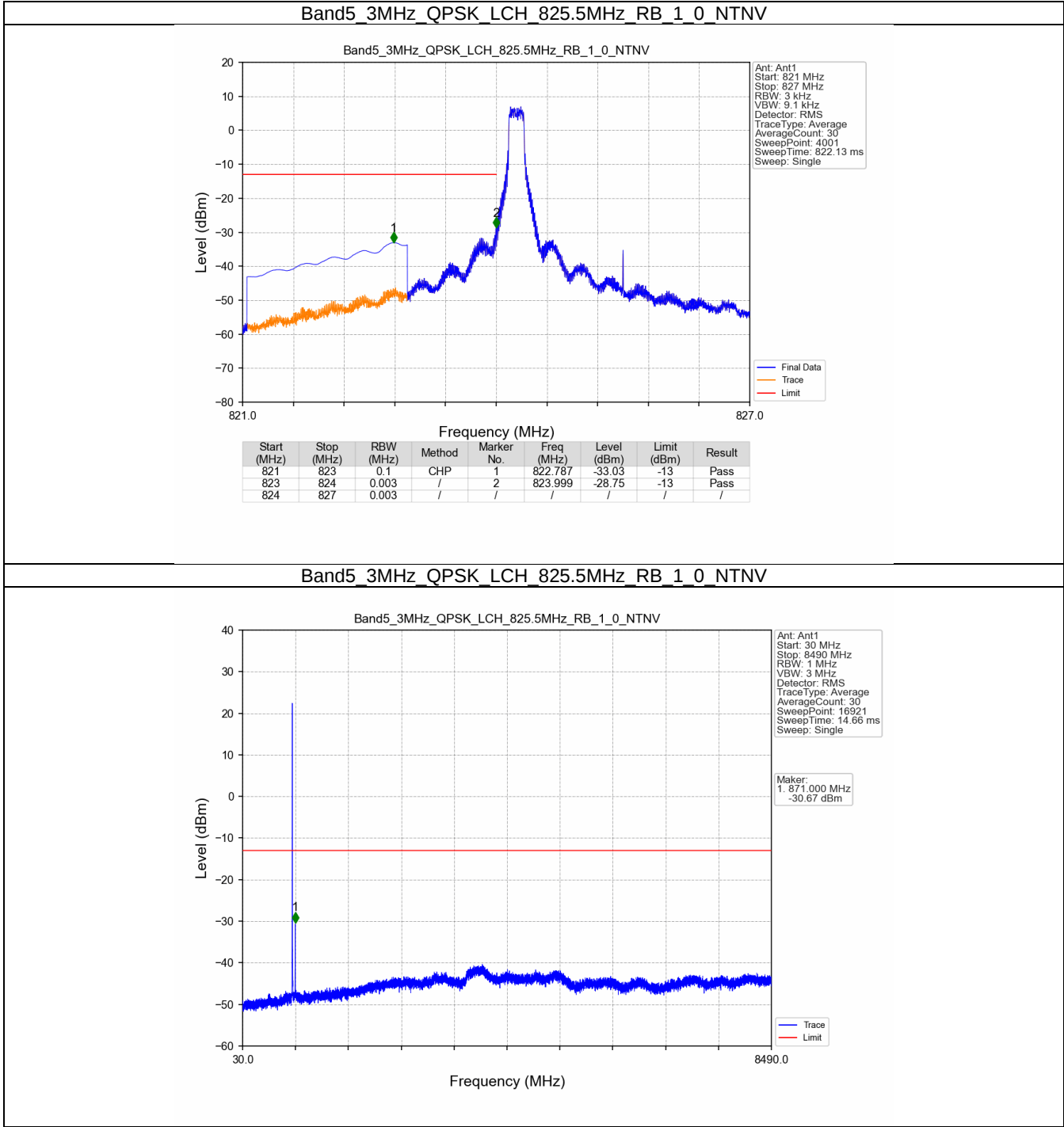


Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

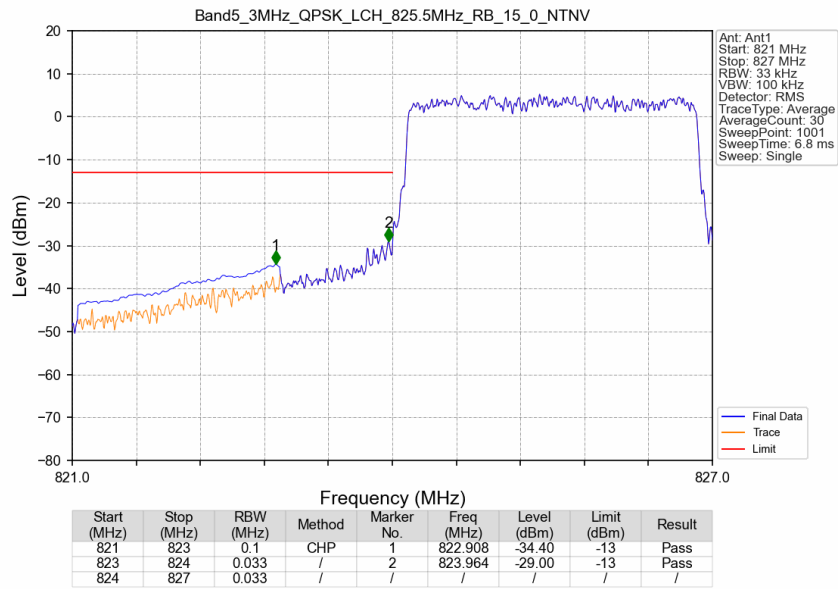


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.000	-32.59	-13	Pass
850	850.5	0.1	CHP	2	850.002	-39.99	-13	Pass

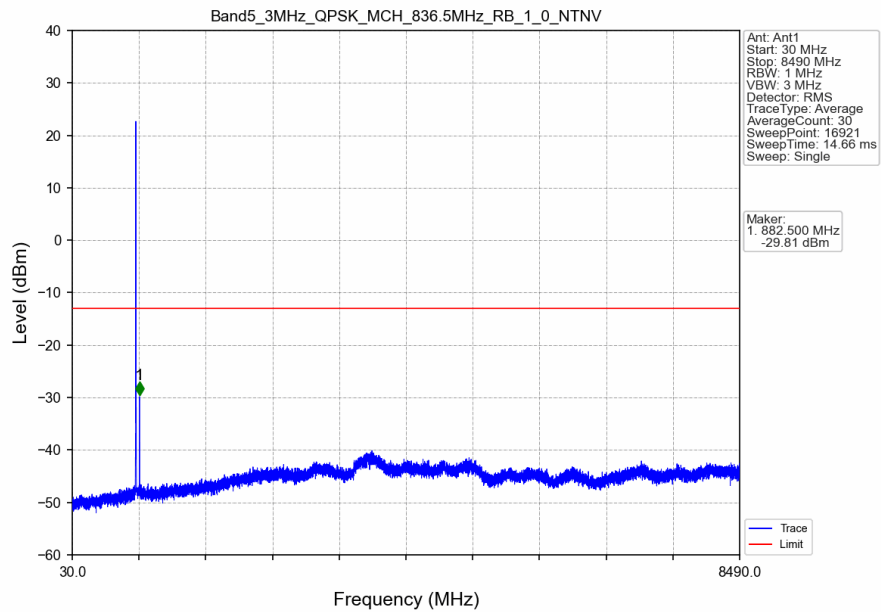
5.2.2 B5_3MHz



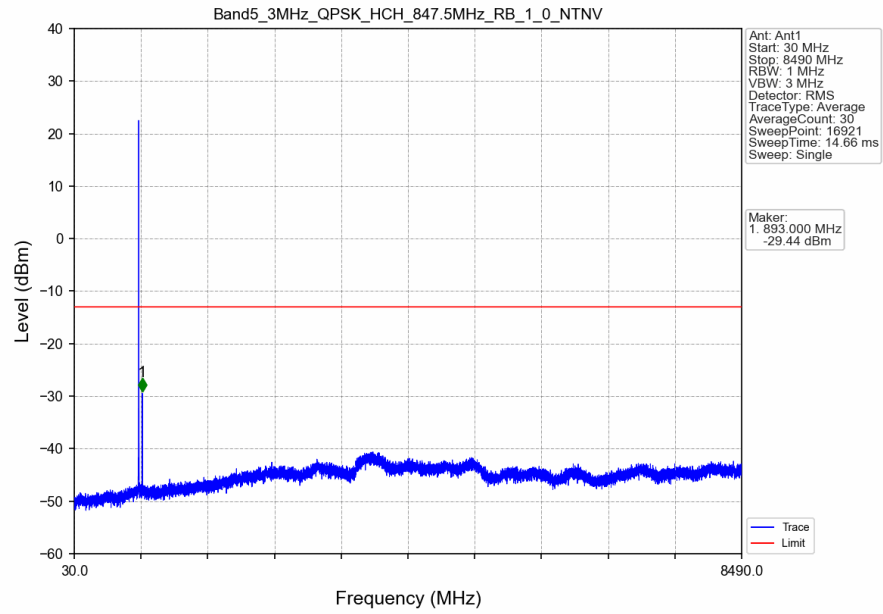
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



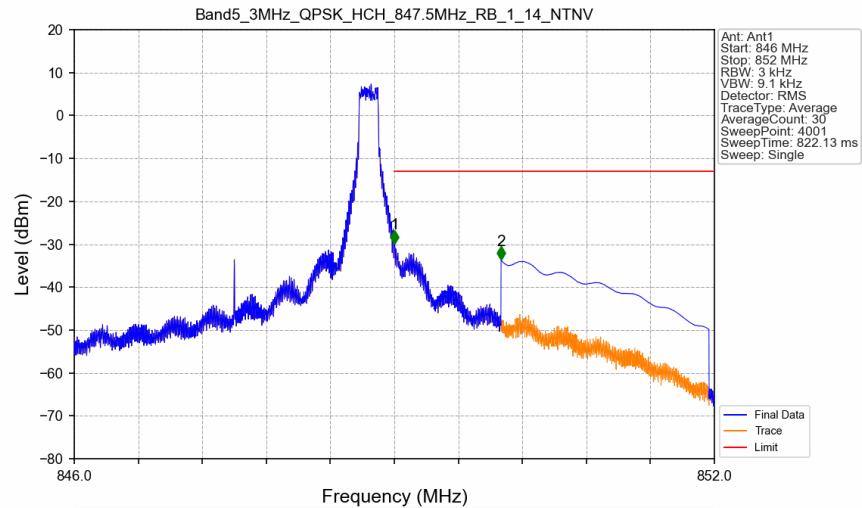
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

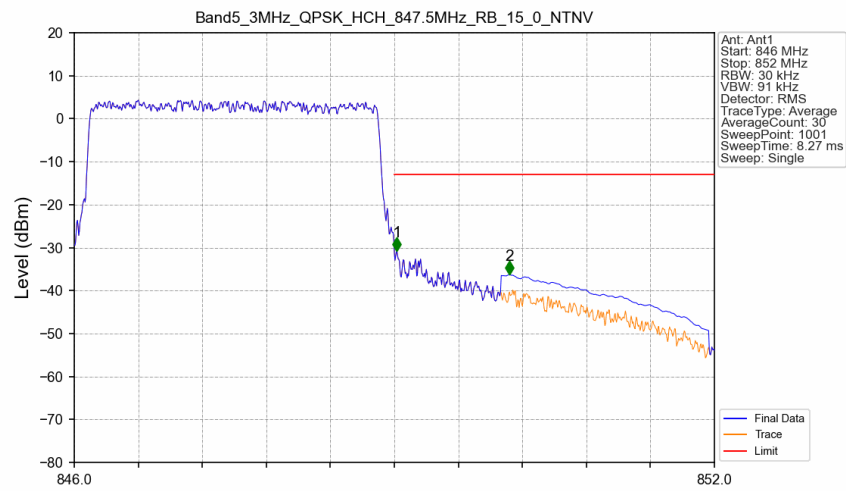


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



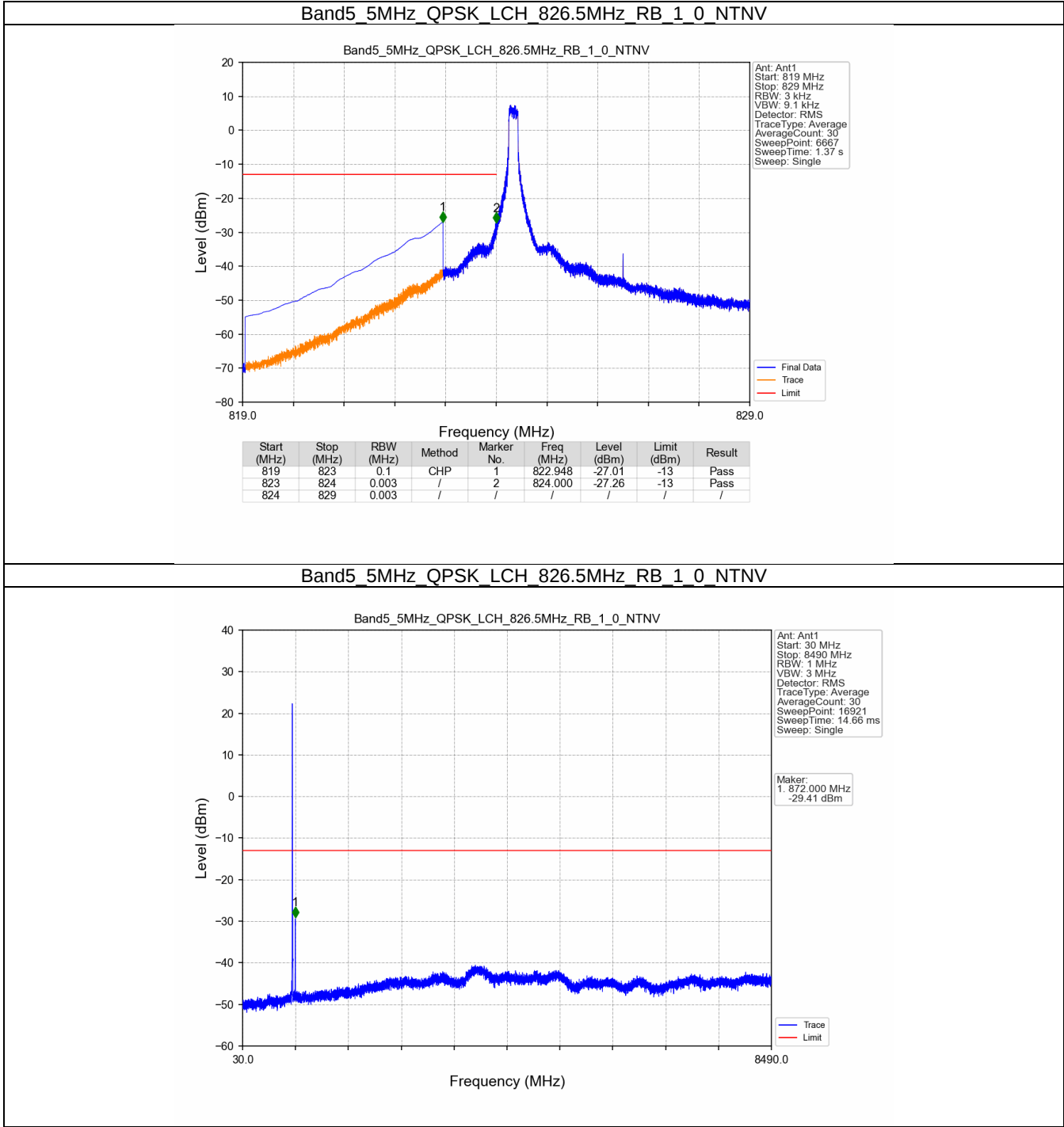
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-29.82	-13	Pass
850	852	0.1	CHP	2	850.000	-33.69	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV

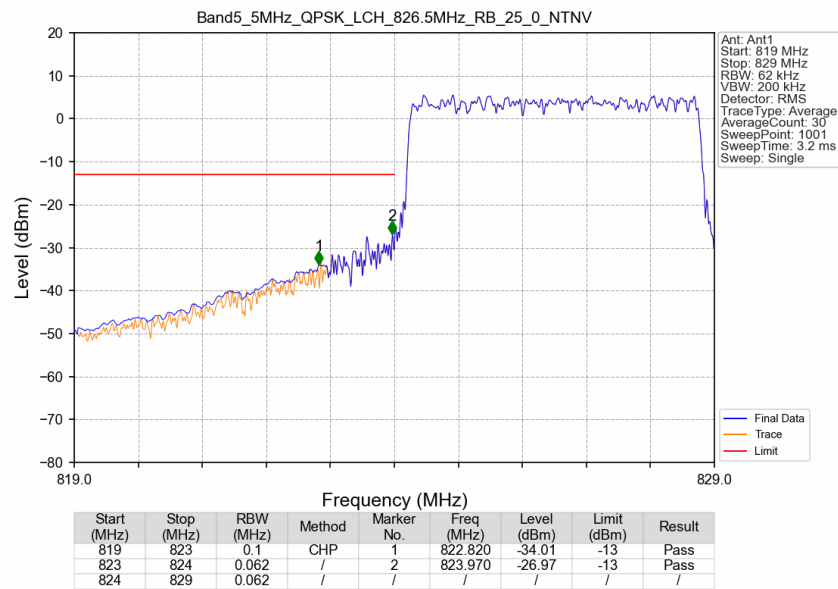


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.024	-30.84	-13	Pass
850	852	0.1	CHP	2	850.080	-36.29	-13	Pass

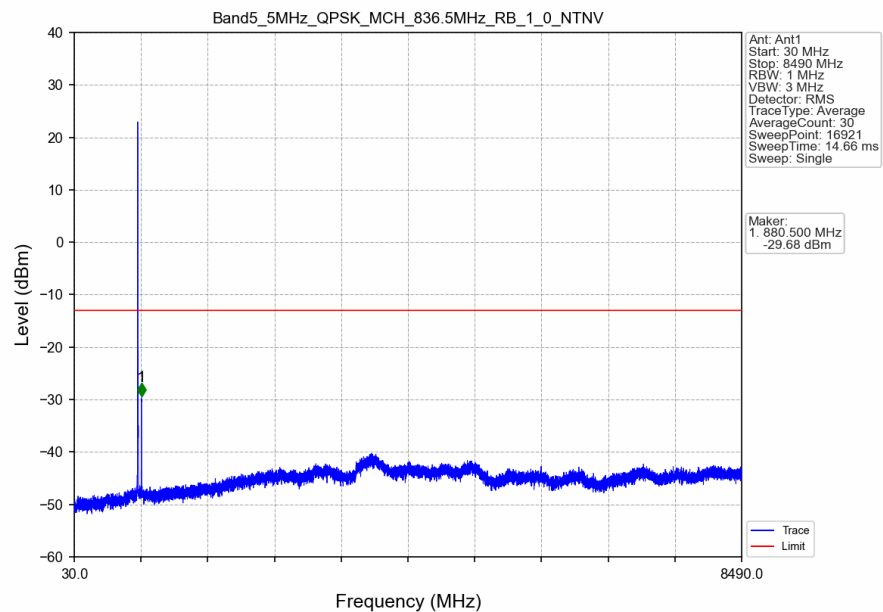
5.2.3 B5_5MHz



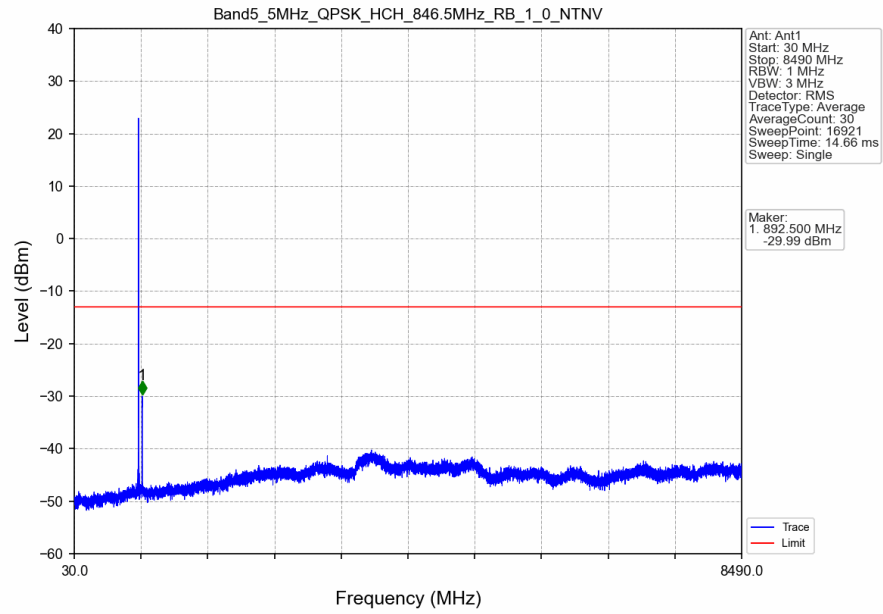
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



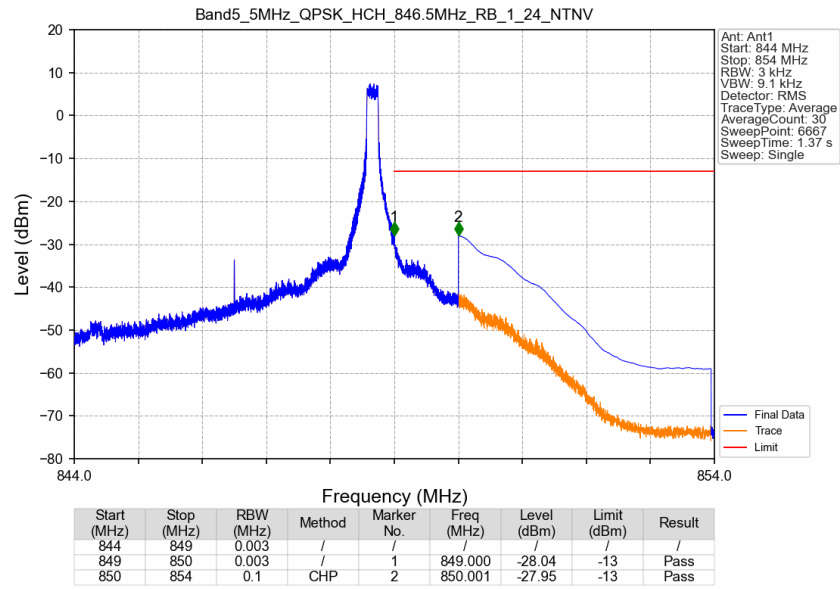
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



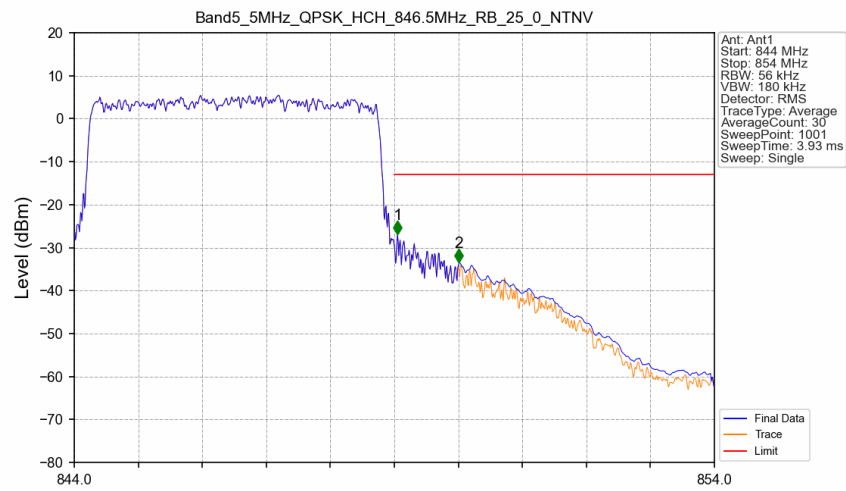
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

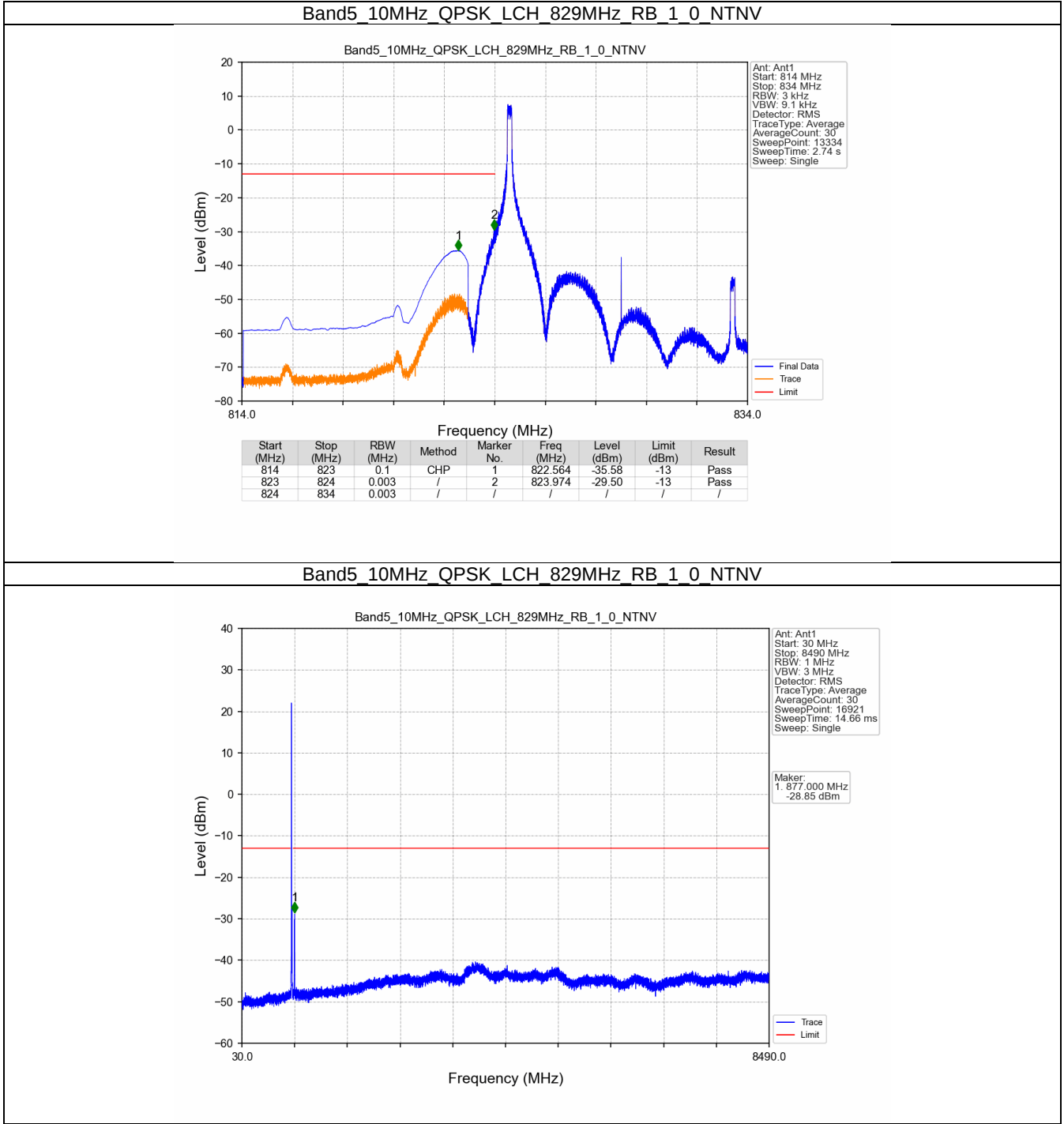


Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

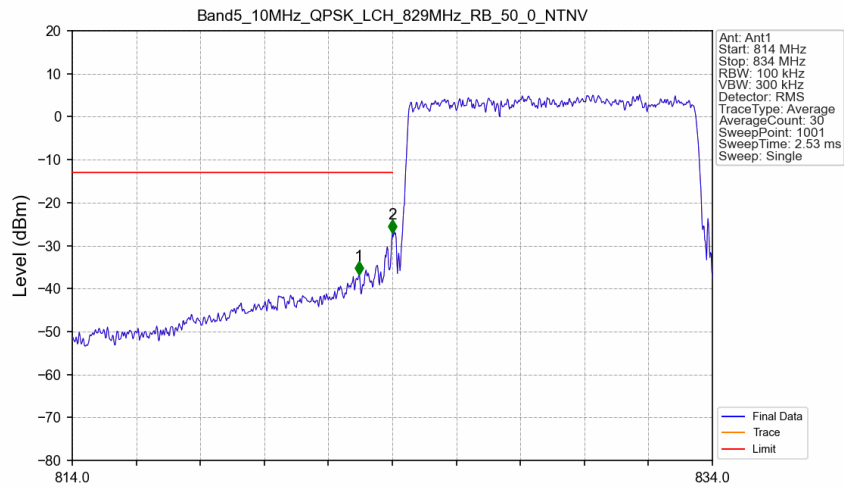


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.056	/	/	/	/	/	/
849	850	0.056	/	1	849.050	-26.85	-13	Pass
850	854	0.1	CHP	2	850.010	-33.37	-13	Pass

5.2.4 B5_10MHz

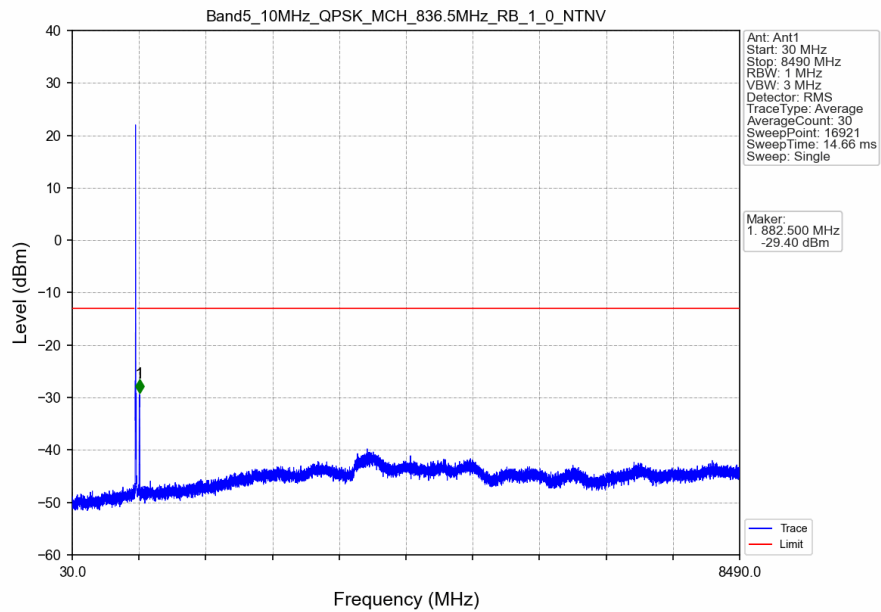


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

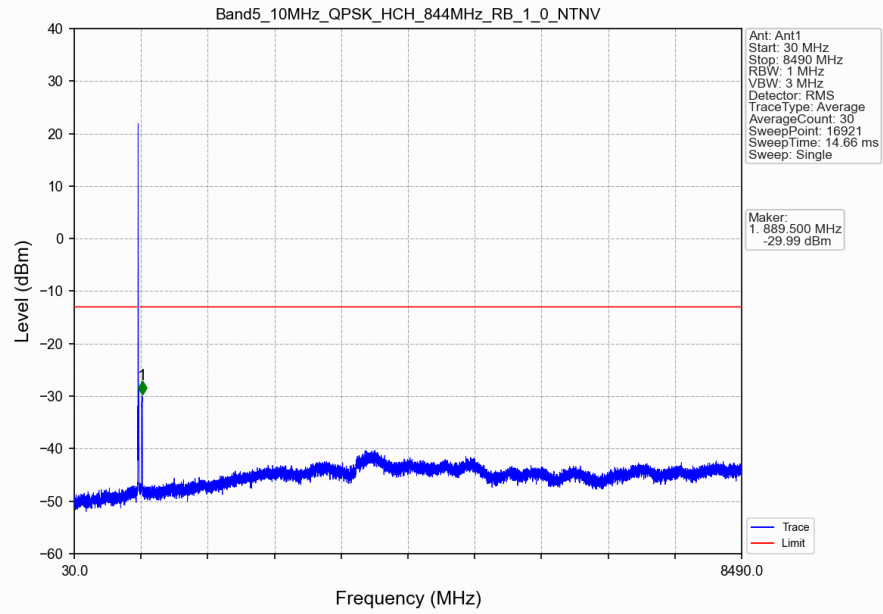


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.960	-36.86	-13	Pass
823	824	0.104	/	2	824.000	-27.09	-13	Pass
824	834	0.104	/	/	/	/	/	/

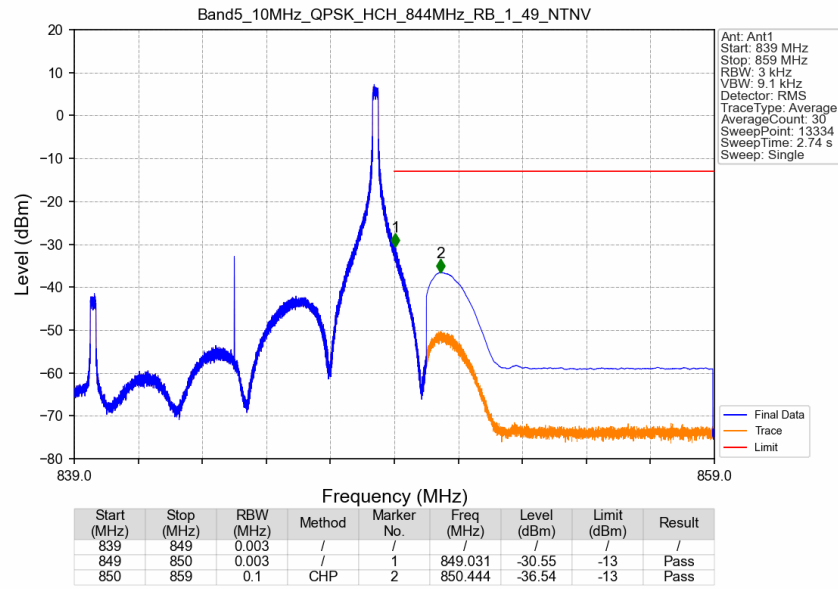
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



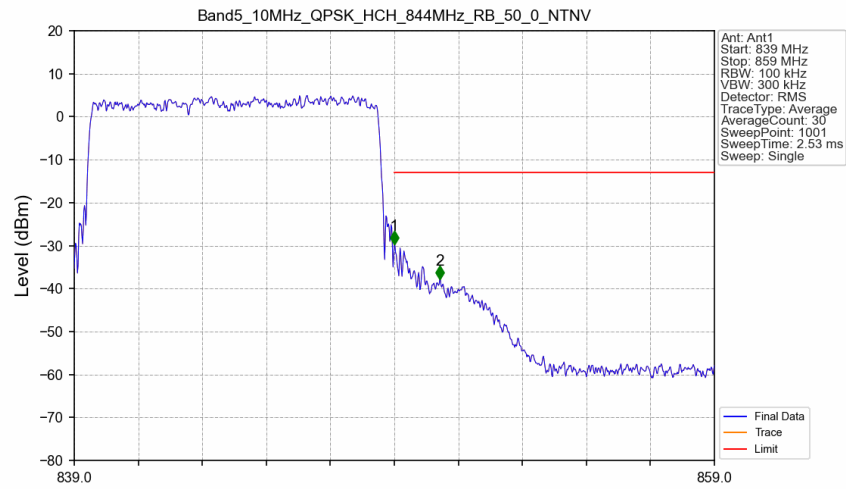
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.103	/	/	/	/	/	/
849	850	0.103	/	1	849.000	-29.75	-13	Pass
850	859	0.1	/	2	850.420	-37.89	-13	Pass