1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

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	22.11	-2.10	17.86	<=38.45	Pass
			2	22.19	-2.10	17.94	<=38.45	Pass
			5	22.03	-2.10	17.78	<=38.45	Pass
		3	0	22.27	-2.10	18.02	<=38.45	Pass
			2	22.21	-2.10	17.96	<=38.45	Pass
			3	22.21	-2.10	17.96	<=38.45	Pass
		6	0	21.08	-2.10	16.83	<=38.45	Pass
	836.5	1	0	22.12	-2.10	17.87	<=38.45	Pass
			2	22.23	-2.10	17.98	<=38.45	Pass
			5	22.09	-2.10	17.84	<=38.45	Pass
		3	0	22.24	-2.10	17.99	<=38.45	Pass
			2	22.27	-2.10	18.02	<=38.45	Pass
			3	22.22	-2.10	17.97	<=38.45	Pass
		6	0	21.17	-2.10	16.92	<=38.45	Pass
	848.3	1	0	22.05	-2.10	17.80	<=38.45	Pass
			2	22.16	-2.10	17.91	<=38.45	Pass
			5	22.03	-2.10	17.78	<=38.45	Pass
		3	0	22.15	-2.10	17.90	<=38.45	Pass
			2	22.17	-2.10	17.92	<=38.45	Pass
			3	22.18	-2.10	17.93	<=38.45	Pass
		6	0	21.10	-2.10	16.85	<=38.45	Pass
16QAM	824.7	1	0	21.11	-2.10	16.86	<=38.45	Pass
			2	21.22	-2.10	16.97	<=38.45	Pass
			5	21.08	-2.10	16.83	<=38.45	Pass
		3	0	21.42	-2.10	17.17	<=38.45	Pass
			2	21.46	-2.10	17.21	<=38.45	Pass
			3	21.41	-2.10	17.16	<=38.45	Pass
		6	0	20.22	-2.10	15.97	<=38.45	Pass
	836.5	1	0	21.30	-2.10	17.05	<=38.45	Pass
			2	21.43	-2.10	17.18	<=38.45	Pass
			5	21.29	-2.10	17.04	<=38.45	Pass
		3	0	21.28	-2.10	17.03	<=38.45	Pass
			2	21.25	-2.10	17.00	<=38.45	Pass
			3	21.27	-2.10	17.02	<=38.45	Pass
		6	0	20.27	-2.10	16.02	<=38.45	Pass
	848.3	1	0	21.08	-2.10	16.83	<=38.45	Pass
			2	21.25	-2.10	17.00	<=38.45	Pass
			5	21.13	-2.10	16.88	<=38.45	Pass
		3	0	21.23	-2.10	16.98	<=38.45	Pass
			2	21.25	-2.10	17.00	<=38.45	Pass
			3	21.18	-2.10	16.93	<=38.45	Pass
		6	0	20.11	-2.10	15.86	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B5_3MHz_ERP

1.2.1 Test Result

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	22.15	-2.10	17.90	<=38.45	Pass
			7	22.25	-2.10	18.00	<=38.45	Pass
			14	22.14	-2.10	17.89	<=38.45	Pass
		8	0	21.11	-2.10	16.86	<=38.45	Pass
			4	21.14	-2.10	16.89	<=38.45	Pass
			7	21.08	-2.10	16.83	<=38.45	Pass
		15	0	21.15	-2.10	16.90	<=38.45	Pass
	836.5	1	0	22.18	-2.10	17.93	<=38.45	Pass
			7	22.26	-2.10	18.01	<=38.45	Pass
			14	22.11	-2.10	17.86	<=38.45	Pass
		8	0	21.18	-2.10	16.93	<=38.45	Pass
			4	21.19	-2.10	16.94	<=38.45	Pass
			7	21.12	-2.10	16.87	<=38.45	Pass
		15	0	21.18	-2.10	16.93	<=38.45	Pass
	847.5	1	0	22.11	-2.10	17.86	<=38.45	Pass
			7	22.27	-2.10	18.02	<=38.45	Pass
			14	22.11	-2.10	17.86	<=38.45	Pass
		8	0	21.13	-2.10	16.88	<=38.45	Pass
			4	21.13	-2.10	16.88	<=38.45	Pass
			7	21.07	-2.10	16.82	<=38.45	Pass
		15	0	21.10	-2.10	16.85	<=38.45	Pass
16QAM	825.5	1	0	21.80	-2.10	17.55	<=38.45	Pass
			7	21.92	-2.10	17.67	<=38.45	Pass
			14	21.74	-2.10	17.49	<=38.45	Pass
		8	0	20.38	-2.10	16.13	<=38.45	Pass
			4	20.41	-2.10	16.16	<=38.45	Pass
			7	20.39	-2.10	16.14	<=38.45	Pass
		15	0	20.31	-2.10	16.06	<=38.45	Pass
	836.5	1	0	21.39	-2.10	17.14	<=38.45	Pass
			7	21.47	-2.10	17.22	<=38.45	Pass
			14	21.33	-2.10	17.08	<=38.45	Pass
		8	0	20.25	-2.10	16.00	<=38.45	Pass
			4	20.27	-2.10	16.02	<=38.45	Pass
			7	20.22	-2.10	15.97	<=38.45	Pass
		15	0	20.27	-2.10	16.02	<=38.45	Pass
	847.5	1	0	21.13	-2.10	16.88	<=38.45	Pass
			7	21.31	-2.10	17.06	<=38.45	Pass
			14	21.12	-2.10	16.87	<=38.45	Pass
		8	0	20.27	-2.10	16.02	<=38.45	Pass
			4	20.30	-2.10	16.05	<=38.45	Pass
			7	20.24	-2.10	15.99	<=38.45	Pass
		15	0	20.26	-2.10	16.01	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B5_5MHz_ERP

1.3.1 Test Result

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	22.10	-2.10	17.85	<=38.45	Pass
			13	22.22	-2.10	17.97	<=38.45	Pass
			24	22.12	-2.10	17.87	<=38.45	Pass

		12	0	21.14	-2.10	16.89	<=38.45	Pass
			6	21.18	-2.10	16.93	<=38.45	Pass
			13	21.22	-2.10	16.97	<=38.45	Pass
		25	0	21.17	-2.10	16.92	<=38.45	Pass
	836.5	1	0	22.10	-2.10	17.85	<=38.45	Pass
			13	22.21	-2.10	17.96	<=38.45	Pass
			24	22.07	-2.10	17.82	<=38.45	Pass
		12	0	21.18	-2.10	16.93	<=38.45	Pass
			6	21.23	-2.10	16.98	<=38.45	Pass
			13	21.16	-2.10	16.91	<=38.45	Pass
		25	0	21.19	-2.10	16.94	<=38.45	Pass
	846.5	1	0	22.09	-2.10	17.84	<=38.45	Pass
			13	22.21	-2.10	17.96	<=38.45	Pass
			24	22.06	-2.10	17.81	<=38.45	Pass
		12	0	21.14	-2.10	16.89	<=38.45	Pass
			6	21.19	-2.10	16.94	<=38.45	Pass
			13	21.08	-2.10	16.83	<=38.45	Pass
		25	0	21.13	-2.10	16.88	<=38.45	Pass
16QAM	826.5	1	0	21.00	-2.10	16.75	<=38.45	Pass
			13	21.14	-2.10	16.89	<=38.45	Pass
			24	20.98	-2.10	16.73	<=38.45	Pass
		12	0	20.22	-2.10	15.97	<=38.45	Pass
			6	20.30	-2.10	16.05	<=38.45	Pass
			13	20.31	-2.10	16.06	<=38.45	Pass
		25	0	20.27	-2.10	16.02	<=38.45	Pass
	836.5	1	0	21.39	-2.10	17.14	<=38.45	Pass
			13	21.50	-2.10	17.25	<=38.45	Pass
			24	21.39	-2.10	17.14	<=38.45	Pass
		12	0	20.29	-2.10	16.04	<=38.45	Pass
			6	20.37	-2.10	16.12	<=38.45	Pass
			13	20.26	-2.10	16.01	<=38.45	Pass
		25	0	20.30	-2.10	16.05	<=38.45	Pass
	846.5	1	0	21.19	-2.10	16.94	<=38.45	Pass
			13	21.30	-2.10	17.05	<=38.45	Pass
			24	21.11	-2.10	16.86	<=38.45	Pass
		12	0	20.21	-2.10	15.96	<=38.45	Pass
			6	20.27	-2.10	16.02	<=38.45	Pass
			13	20.17	-2.10	15.92	<=38.45	Pass
		25	0	20.24	-2.10	15.99	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B5_10MHz_ERP

1.4.1 Test Result

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	22.16	-2.10	17.91	<=38.45	Pass
			25	22.36	-2.10	18.11	<=38.45	Pass
			49	22.17	-2.10	17.92	<=38.45	Pass
		25	0	21.22	-2.10	16.97	<=38.45	Pass
			13	21.22	-2.10	16.97	<=38.45	Pass
			25	21.25	-2.10	17.00	<=38.45	Pass
		50	0	21.25	-2.10	17.00	<=38.45	Pass
	836.5	1	0	22.20	-2.10	17.95	<=38.45	Pass
			25	22.35	-2.10	18.10	<=38.45	Pass

			49	22.18	-2.10	17.93	<=38.45	Pass
		25	0	21.27	-2.10	17.02	<=38.45	Pass
			13	21.27	-2.10	17.02	<=38.45	Pass
			25	21.19	-2.10	16.94	<=38.45	Pass
		50	0	21.22	-2.10	16.97	<=38.45	Pass
	844	1	0	22.19	-2.10	17.94	<=38.45	Pass
			25	22.34	-2.10	18.09	<=38.45	Pass
			49	22.12	-2.10	17.87	<=38.45	Pass
		25	0	21.27	-2.10	17.02	<=38.45	Pass
			13	21.23	-2.10	16.98	<=38.45	Pass
			25	21.15	-2.10	16.90	<=38.45	Pass
		50	0	21.21	-2.10	16.96	<=38.45	Pass
16QAM	829	1	0	21.80	-2.10	17.55	<=38.45	Pass
			25	21.97	-2.10	17.72	<=38.45	Pass
			49	21.79	-2.10	17.54	<=38.45	Pass
		25	0	20.41	-2.10	16.16	<=38.45	Pass
			13	20.38	-2.10	16.13	<=38.45	Pass
			25	20.41	-2.10	16.16	<=38.45	Pass
		50	0	20.35	-2.10	16.10	<=38.45	Pass
	836.5	1	0	21.38	-2.10	17.13	<=38.45	Pass
			25	21.54	-2.10	17.29	<=38.45	Pass
			49	21.37	-2.10	17.12	<=38.45	Pass
		25	0	20.40	-2.10	16.15	<=38.45	Pass
			13	20.38	-2.10	16.13	<=38.45	Pass
			25	20.33	-2.10	16.08	<=38.45	Pass
		50	0	20.32	-2.10	16.07	<=38.45	Pass
	844	1	0	21.21	-2.10	16.96	<=38.45	Pass
			25	21.35	-2.10	17.10	<=38.45	Pass
			49	21.13	-2.10	16.88	<=38.45	Pass
		25	0	20.47	-2.10	16.22	<=38.45	Pass
			13	20.40	-2.10	16.15	<=38.45	Pass
			25	20.32	-2.10	16.07	<=38.45	Pass
		50	0	20.36	-2.10	16.11	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.6	-8.655	-0.0105	-2.5 to 2.5	Pass
					3.85	-1.044	-0.0013	-2.5 to 2.5	Pass
					4.4	-7.267	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.825	-0.0095	-2.5 to 2.5	Pass
				30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				40	3.85	-9.084	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-5.093	-0.0062	-2.5 to 2.5	Pass
	836.5	6	0	20	3.6	-7.997	-0.0096	-2.5 to 2.5	Pass

					3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
					4.4	-4.320	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-8.726	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-8.583	-0.0103	-2.5 to 2.5	Pass
	848.3	6	0	20	3.6	-14.205	-0.0167	-2.5 to 2.5	Pass
					3.85	-10.958	-0.0129	-2.5 to 2.5	Pass
					4.4	-9.985	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-8.540	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-10.514	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-7.582	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-8.554	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-8.111	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-4.163	-0.0049	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.6	-7.467	-0.0091	-2.5 to 2.5	Pass
					3.85	-3.147	-0.0038	-2.5 to 2.5	Pass
					4.4	-3.948	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-7.424	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-3.033	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-6.008	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-3.047	-0.0037	-2.5 to 2.5	Pass
	836.5	6	0	20	3.6	-2.375	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.435	-0.0053	-2.5 to 2.5	Pass
					4.4	-1.802	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-9.456	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-12.059	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-2.918	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-5.565	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-10.457	-0.0125	-2.5 to 2.5	Pass
	848.3	6	0	20	3.6	-3.519	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.482	-0.0088	-2.5 to 2.5	Pass
					4.4	3.777	0.0045	-2.5 to 2.5	Pass
				-30	3.85	-3.977	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.505	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.696	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-8.941	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-11.072	-0.0131	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

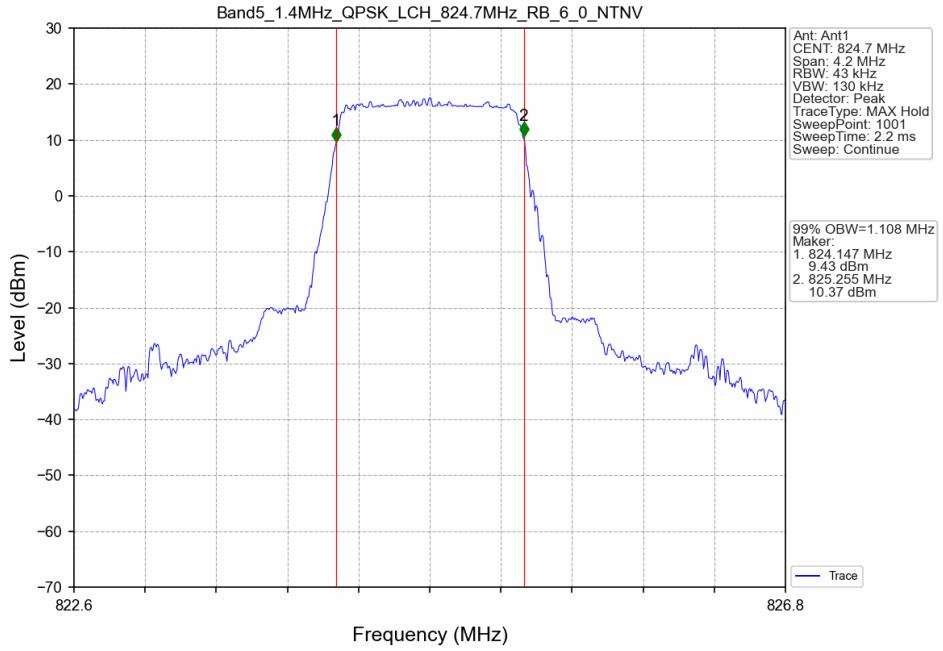
3.1 Band5_OBW

3.1.1 Test Result

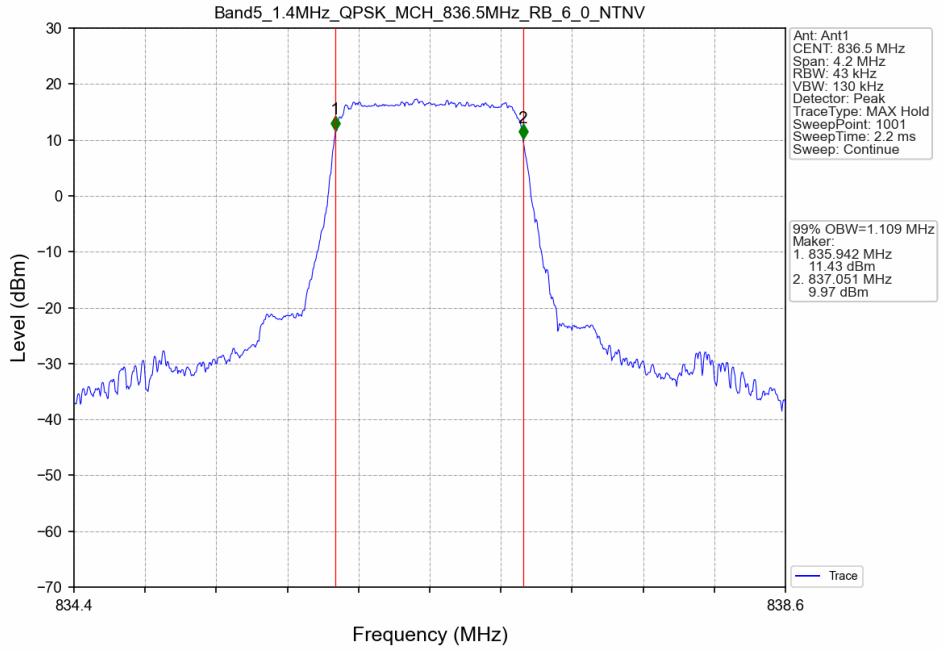
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.108	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.103	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.105	/	Pass
3	QPSK	825.5	15	0	2.727	/	Pass
		836.5	15	0	2.738	/	Pass
		847.5	15	0	2.717	/	Pass
	16QAM	825.5	15	0	2.716	/	Pass
		836.5	15	0	2.727	/	Pass
		847.5	15	0	2.723	/	Pass
5	QPSK	826.5	25	0	4.558	/	Pass
		836.5	25	0	4.540	/	Pass
		846.5	25	0	4.546	/	Pass
	16QAM	826.5	25	0	4.524	/	Pass
		836.5	25	0	4.555	/	Pass
		846.5	25	0	4.544	/	Pass
10	QPSK	829	50	0	9.072	/	Pass
		836.5	50	0	9.045	/	Pass
		844	50	0	9.054	/	Pass
	16QAM	829	50	0	9.045	/	Pass
		836.5	50	0	9.040	/	Pass
		844	50	0	9.052	/	Pass

3.1.2 Test Graph

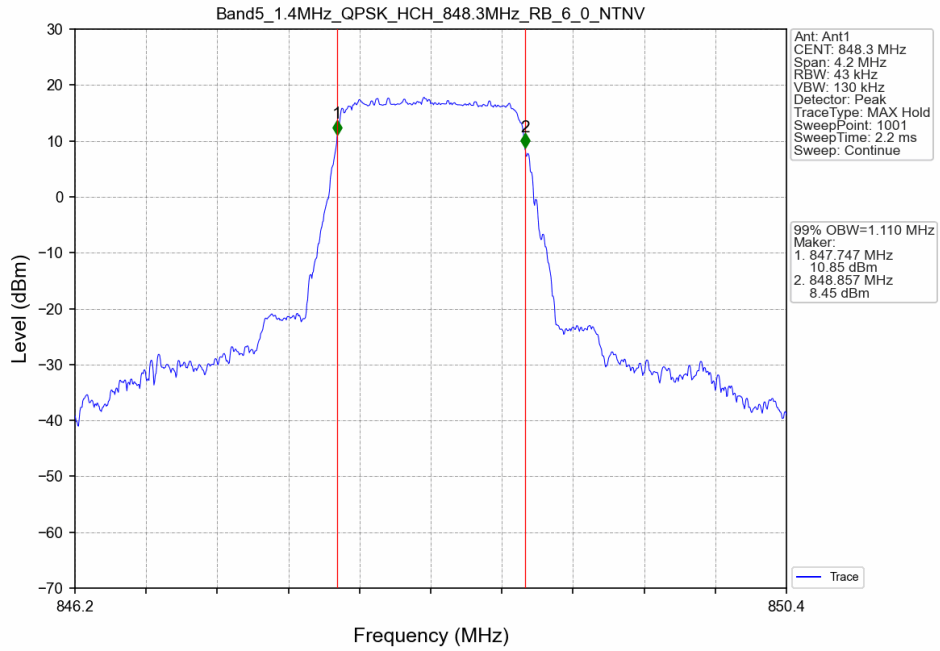
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



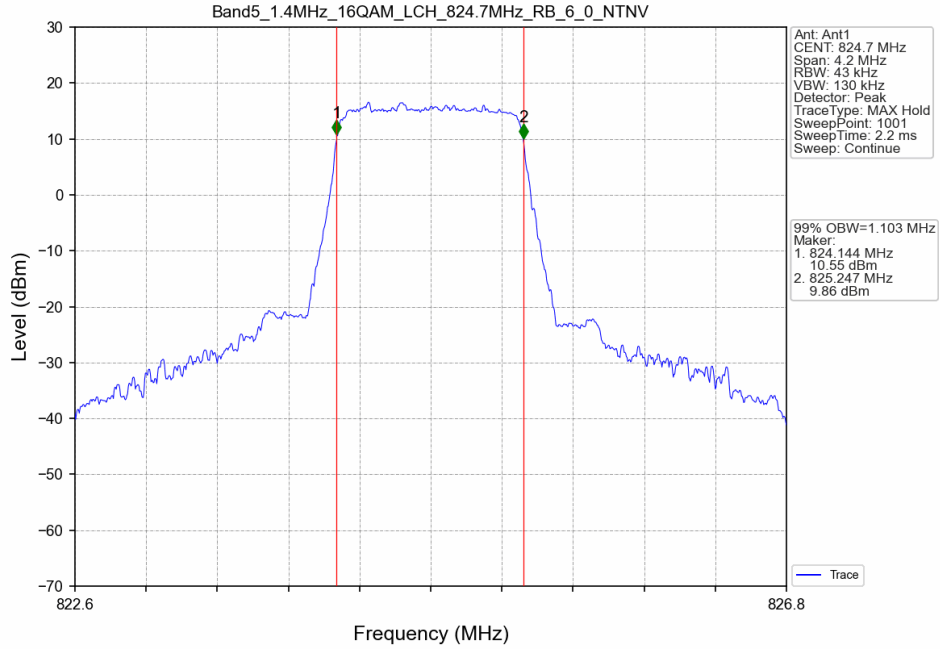
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



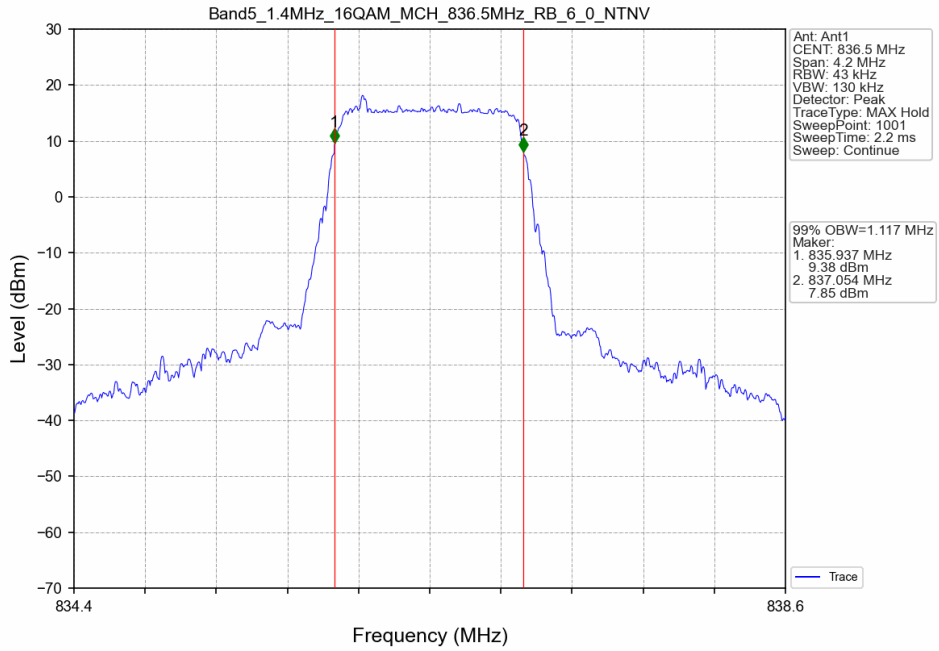
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



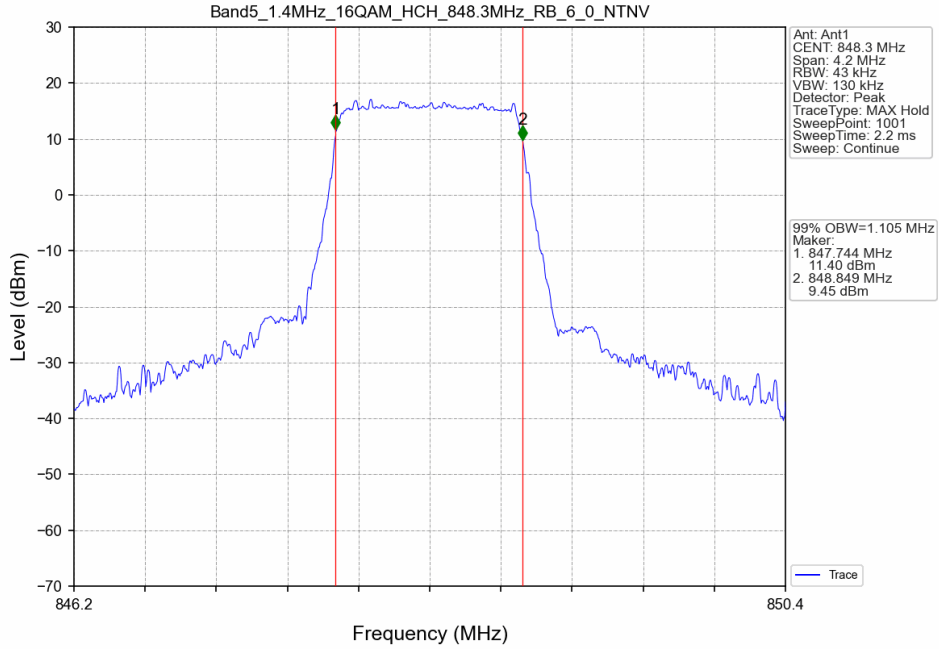
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



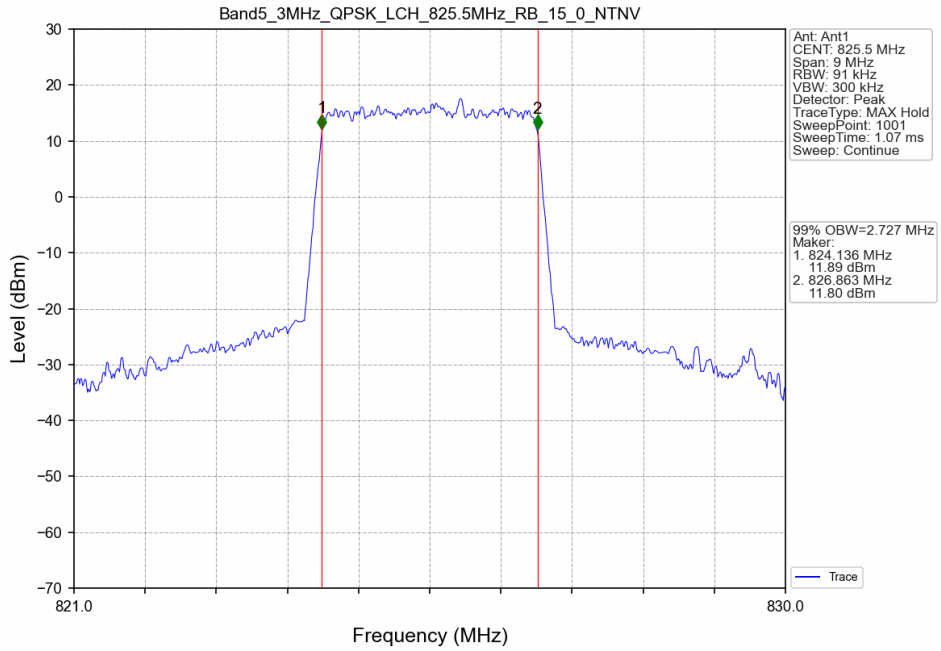
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



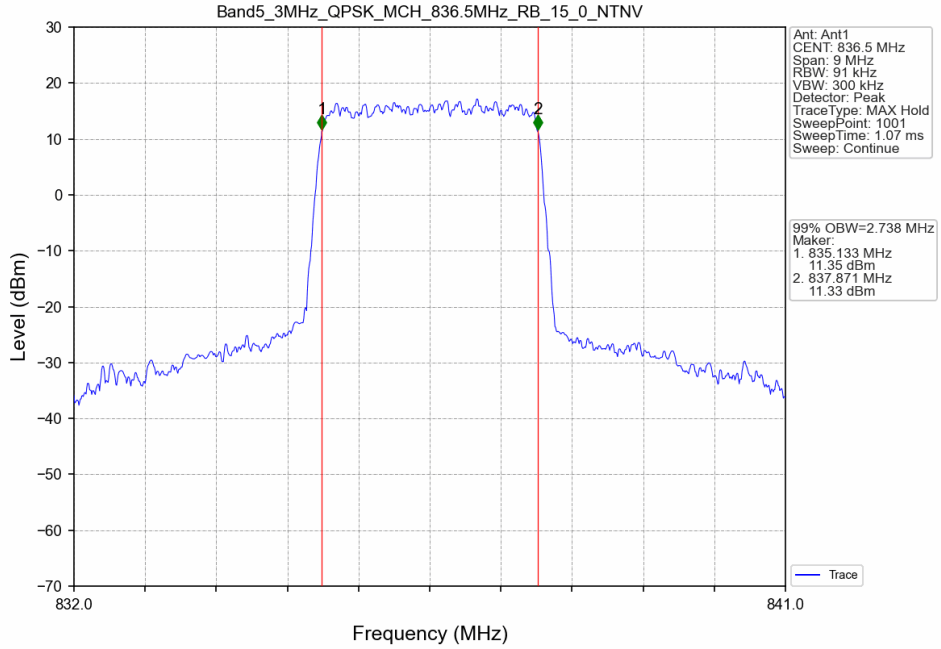
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



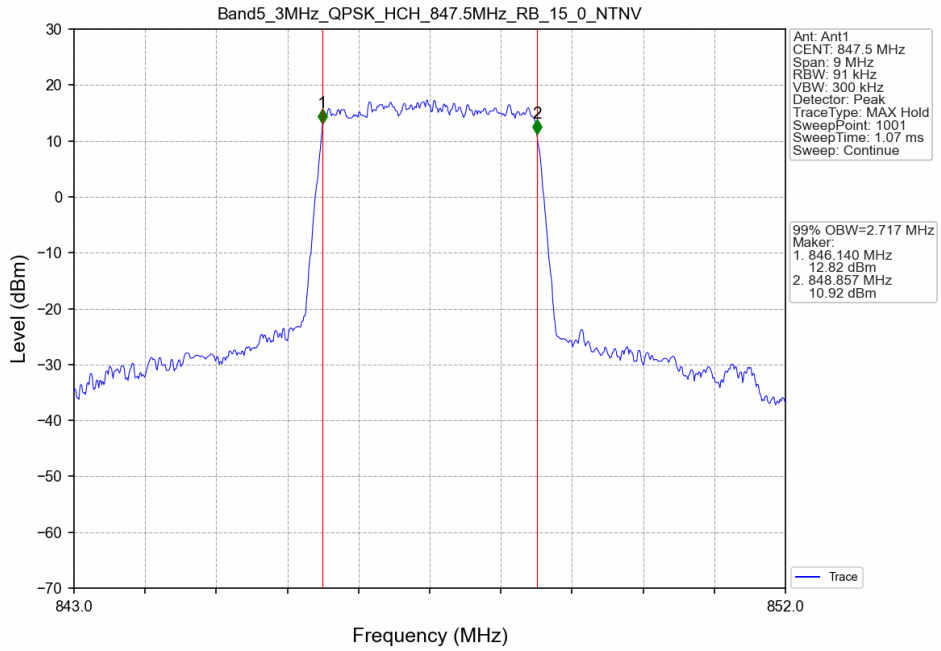
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



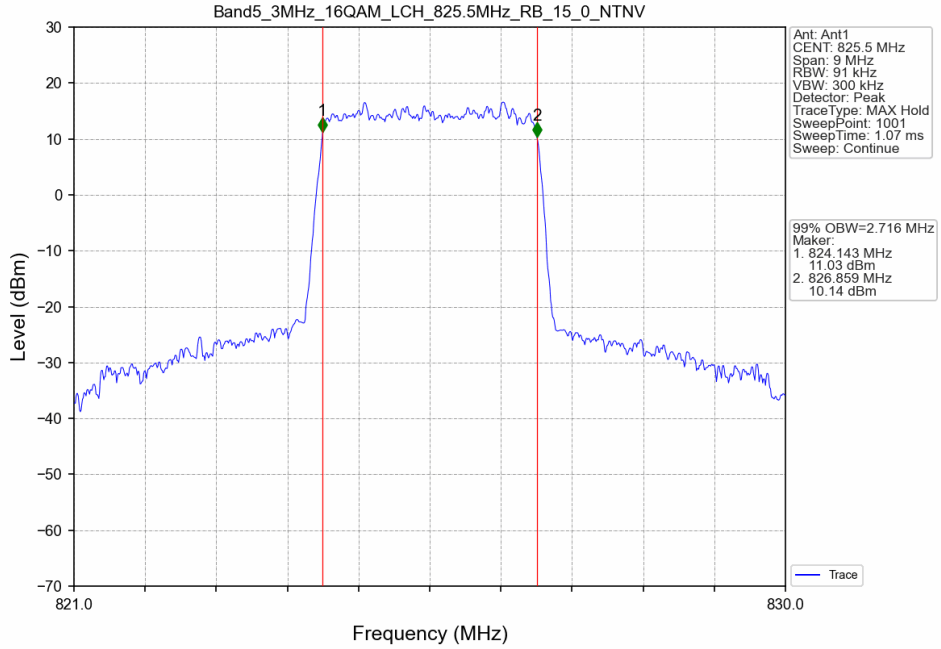
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



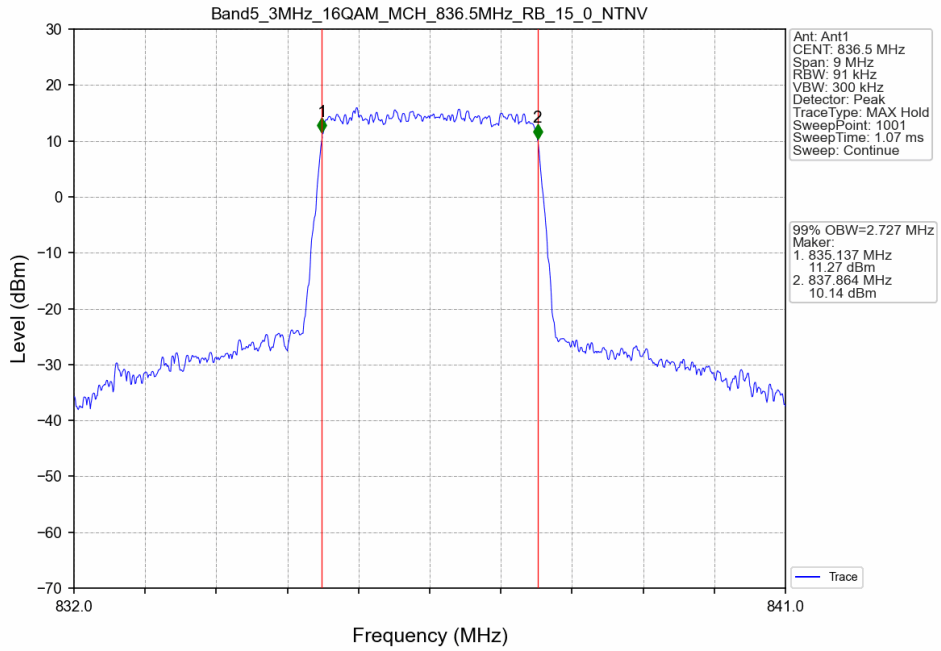
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



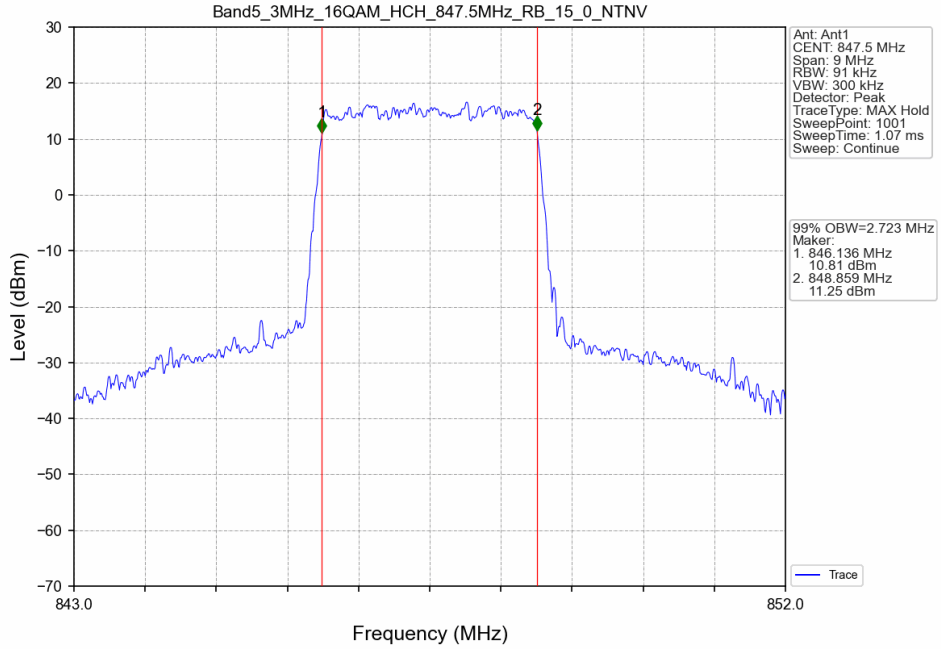
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



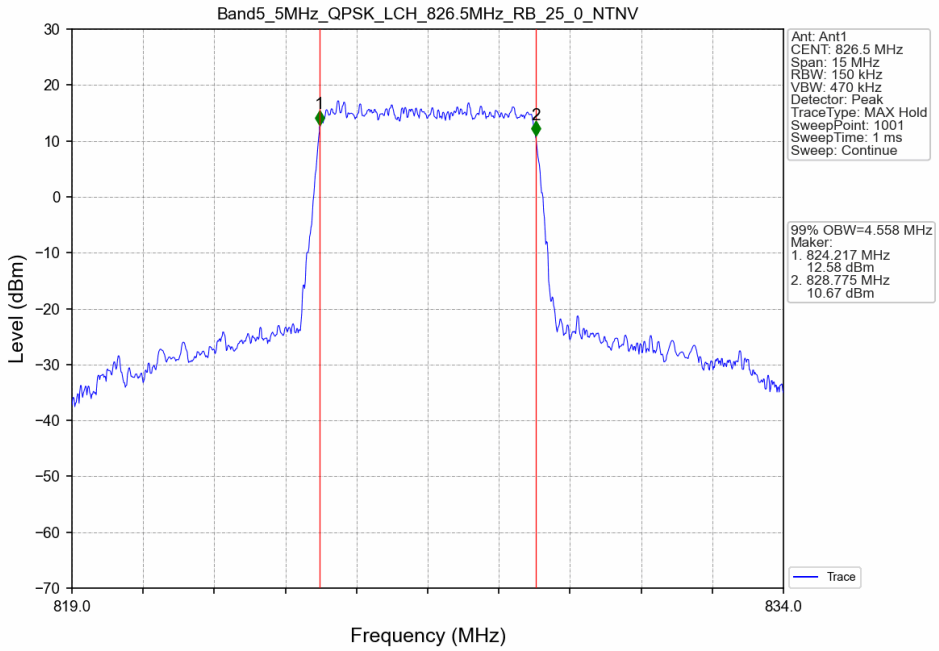
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



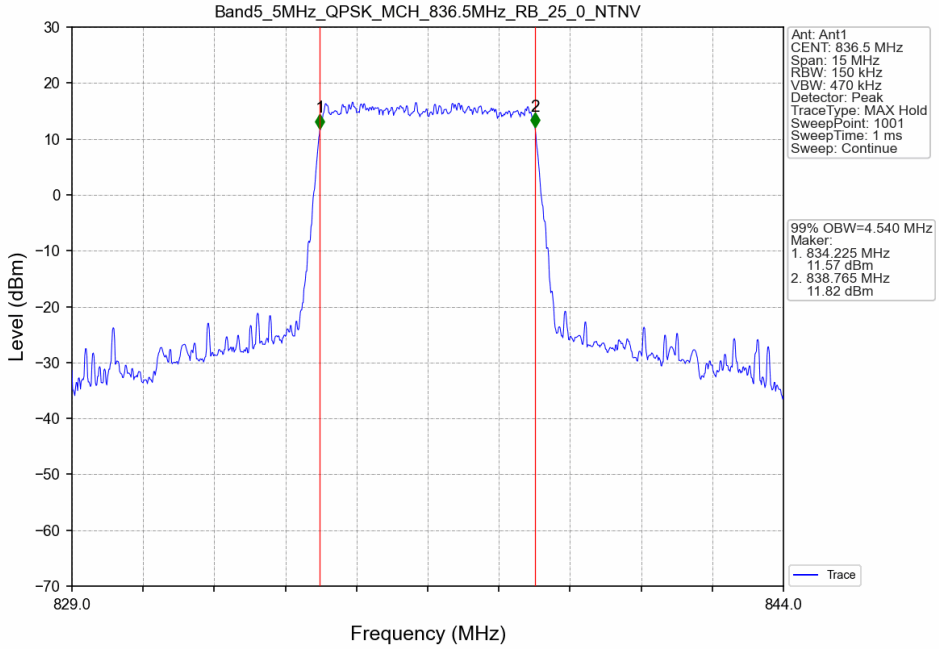
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



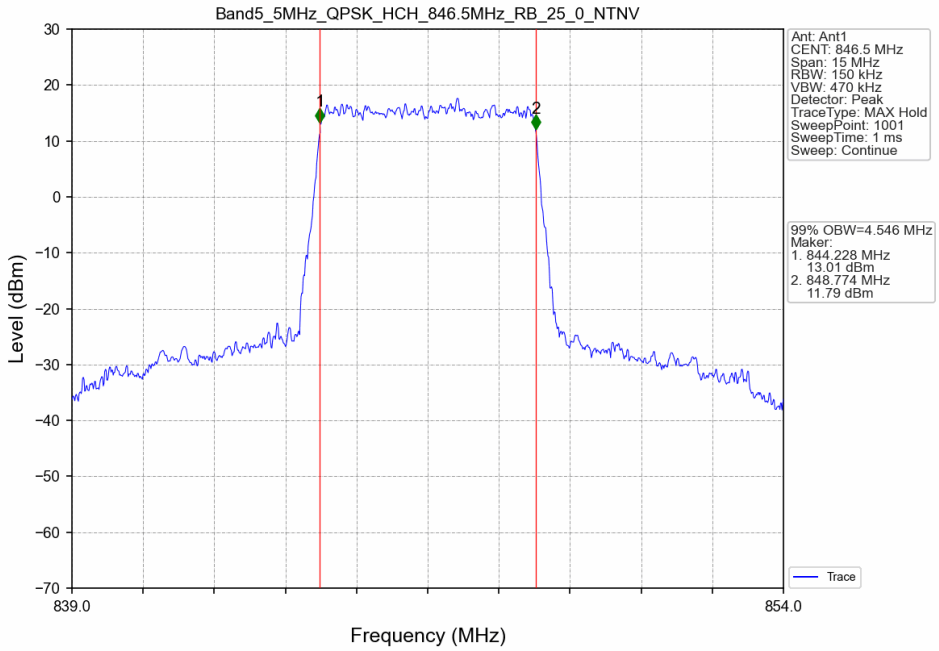
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



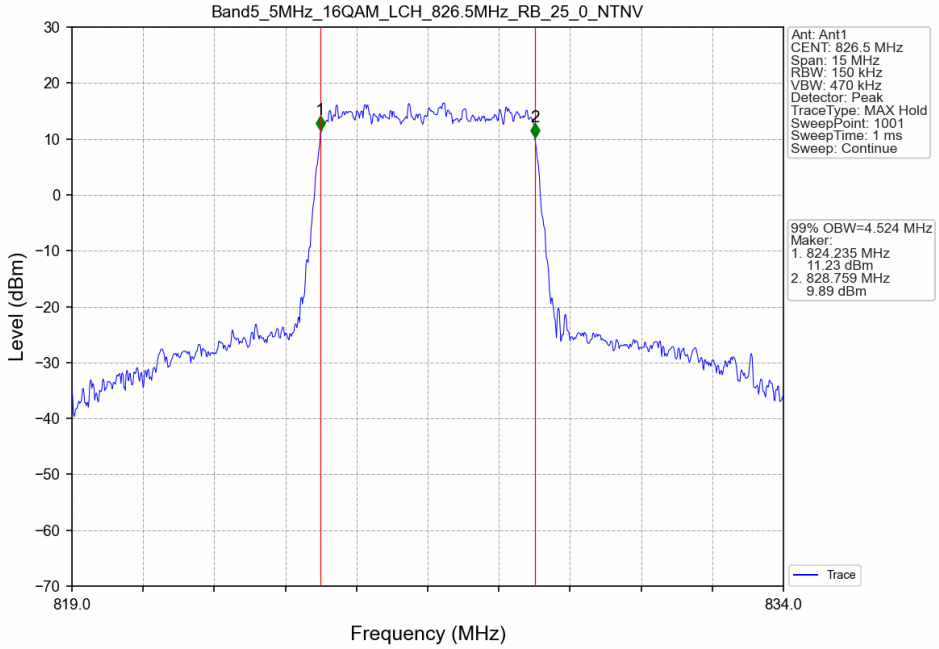
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



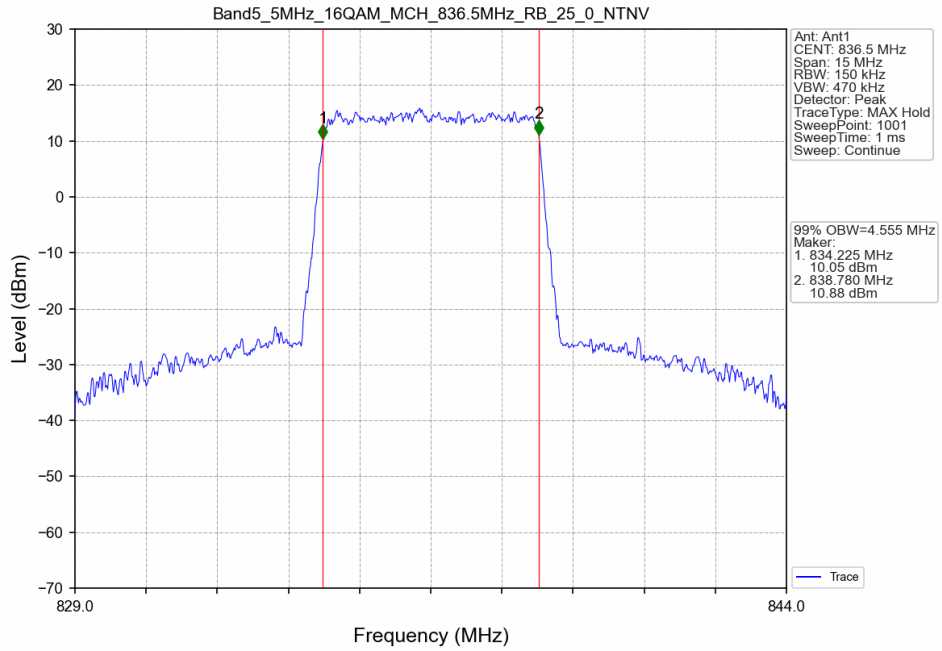
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



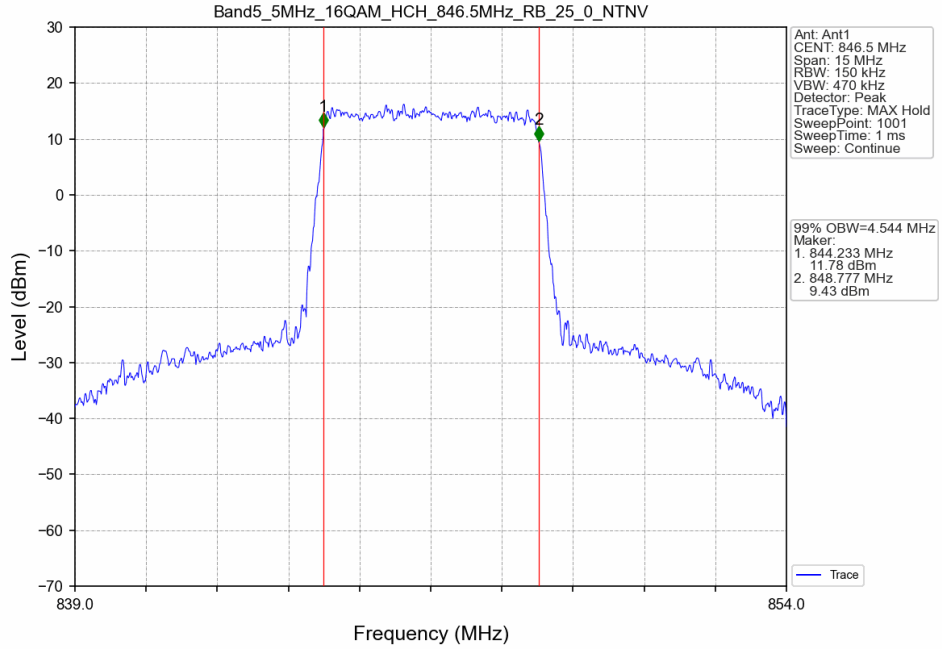
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



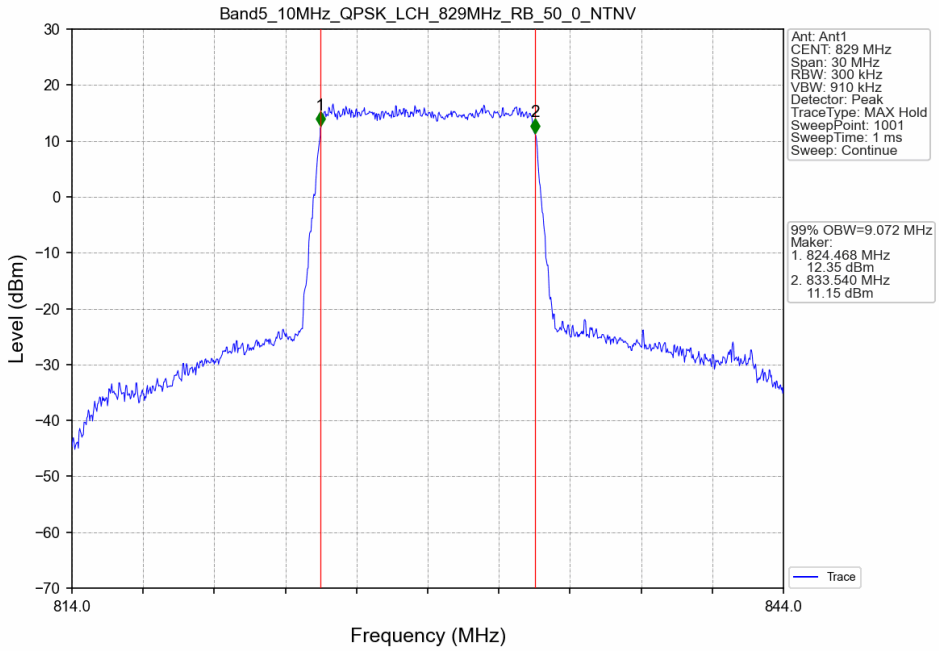
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



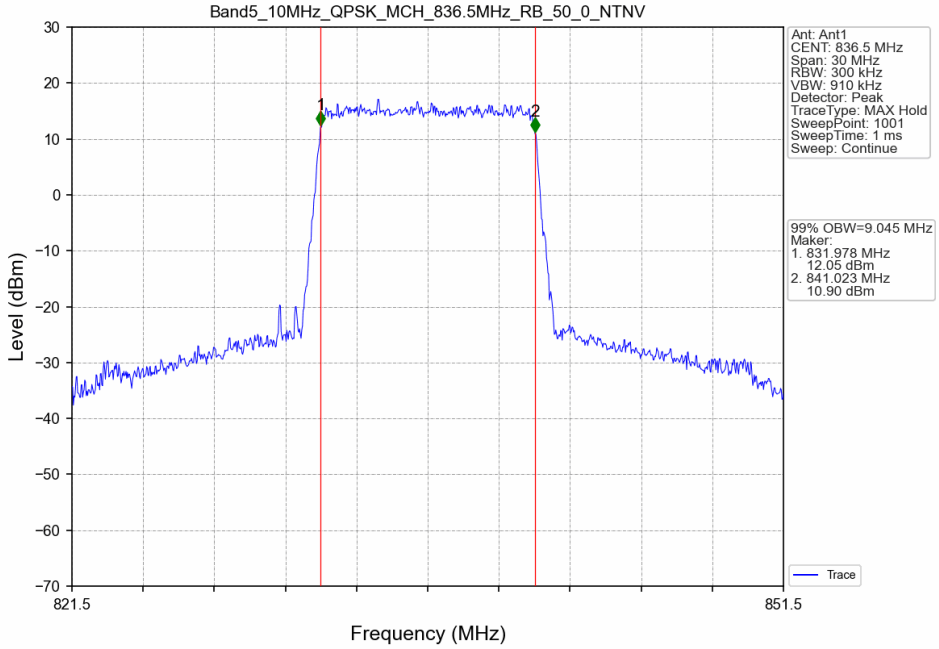
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



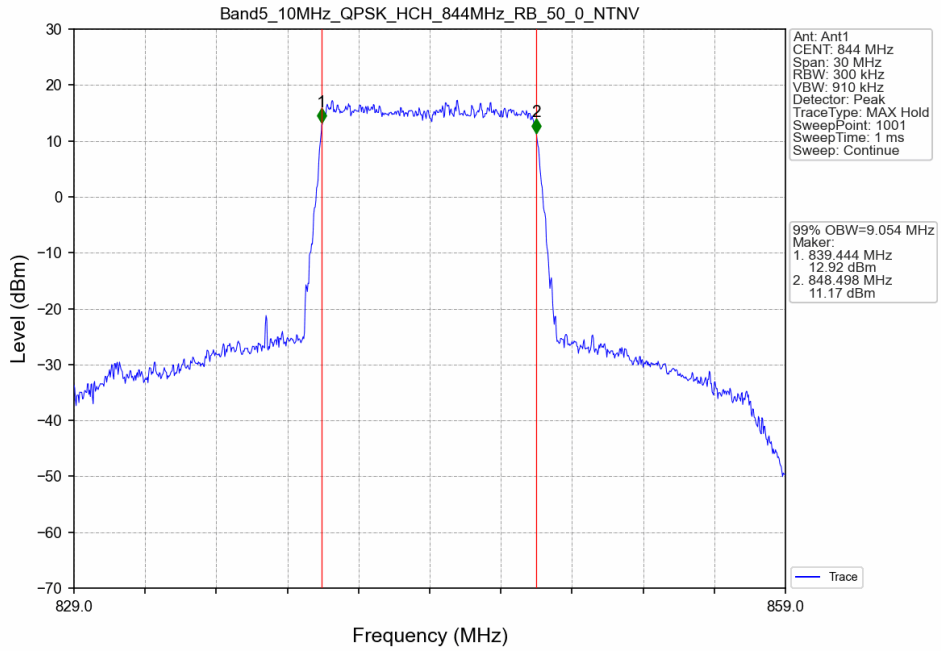
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



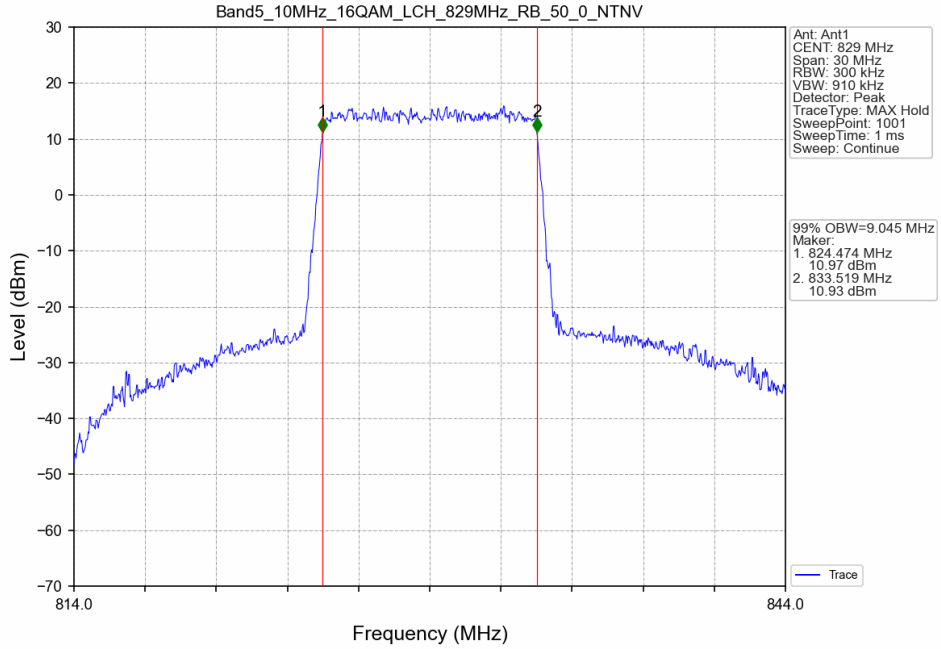
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



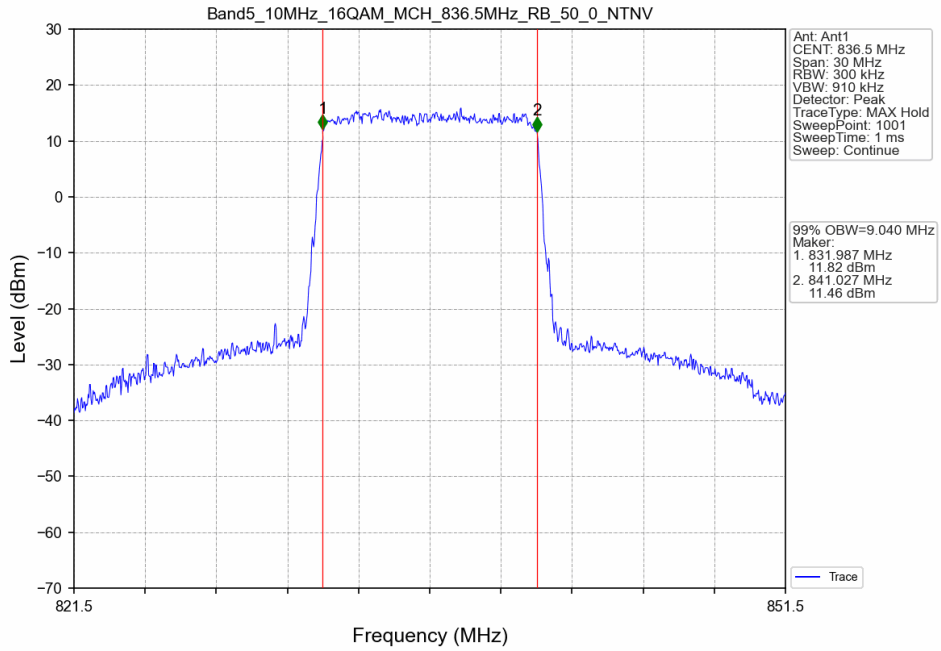
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



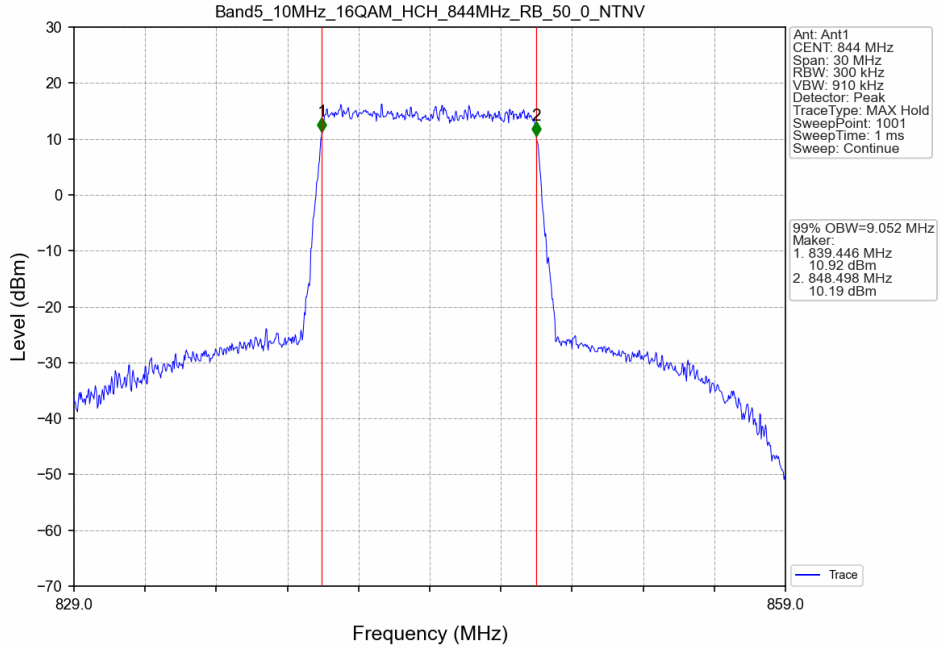
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



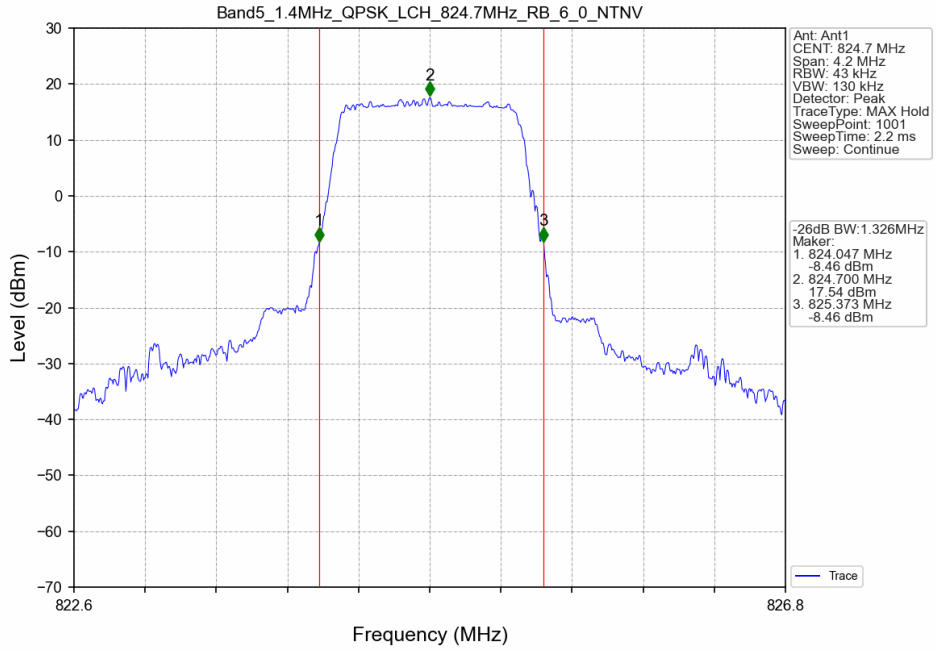
3.2 Band5_XDB

3.2.1 Test Result

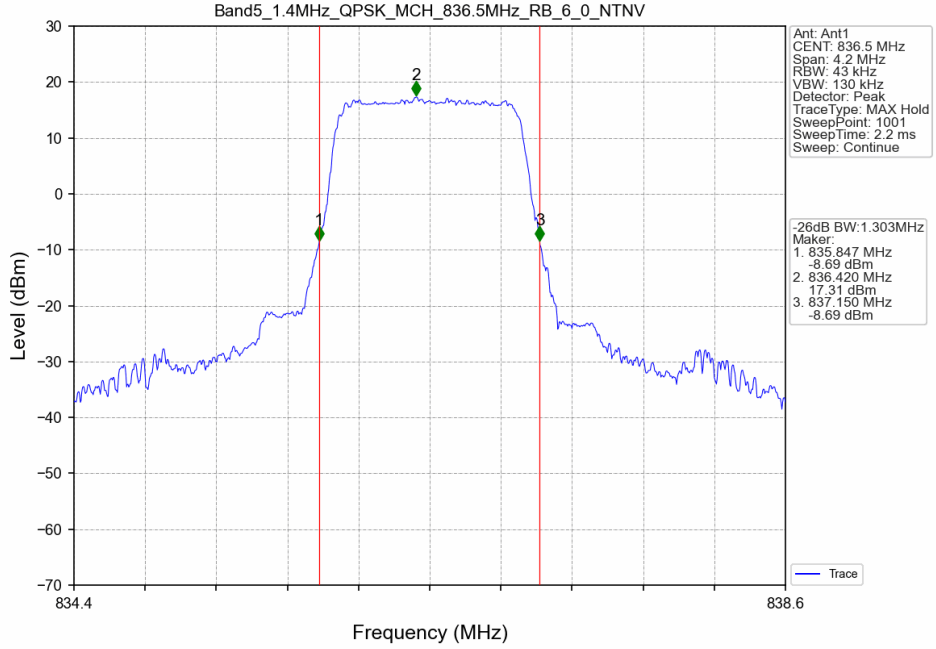
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.326	/	Pass
		836.5	6	0	1.303	/	Pass
		848.3	6	0	1.332	/	Pass
	16QAM	824.7	6	0	1.302	/	Pass
		836.5	6	0	1.308	/	Pass
		848.3	6	0	1.294	/	Pass
3	QPSK	825.5	15	0	2.991	/	Pass
		836.5	15	0	2.985	/	Pass
		847.5	15	0	2.991	/	Pass
	16QAM	825.5	15	0	2.971	/	Pass
		836.5	15	0	2.997	/	Pass
		847.5	15	0	2.998	/	Pass
5	QPSK	826.5	25	0	5.028	/	Pass
		836.5	25	0	5.031	/	Pass
		846.5	25	0	5.027	/	Pass
	16QAM	826.5	25	0	4.986	/	Pass
		836.5	25	0	5.030	/	Pass
		846.5	25	0	5.012	/	Pass
10	QPSK	829	50	0	9.994	/	Pass
		836.5	50	0	9.971	/	Pass
		844	50	0	9.928	/	Pass
	16QAM	829	50	0	9.901	/	Pass
		836.5	50	0	9.883	/	Pass
		844	50	0	9.940	/	Pass

3.2.2 Test Graph

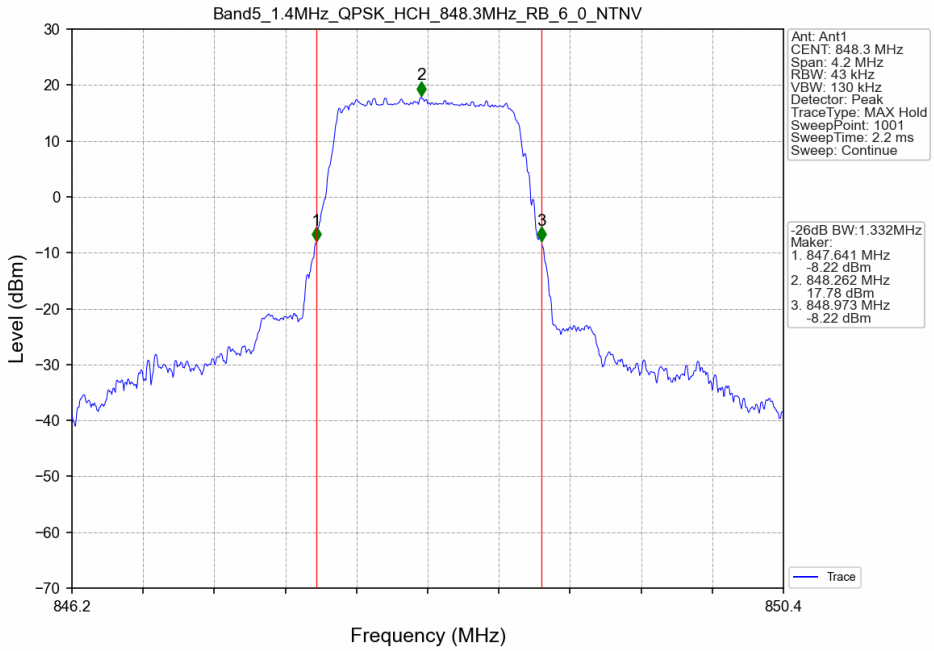
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



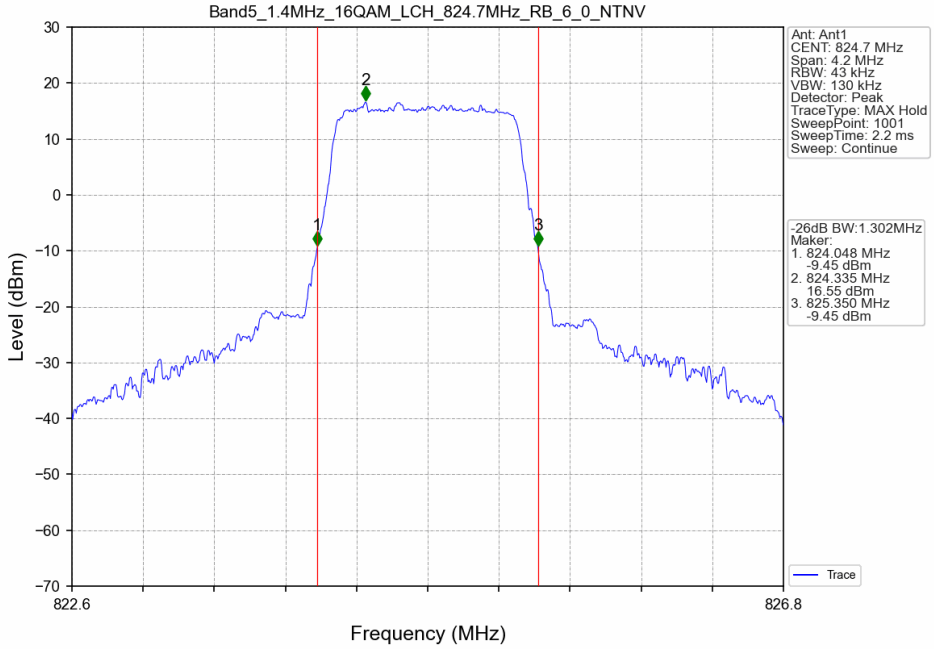
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



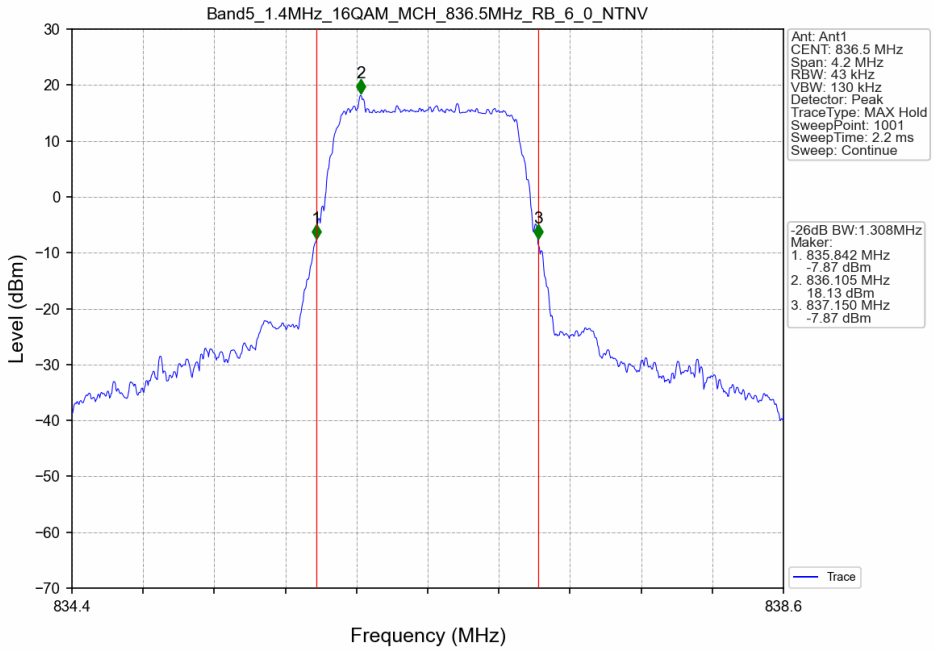
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



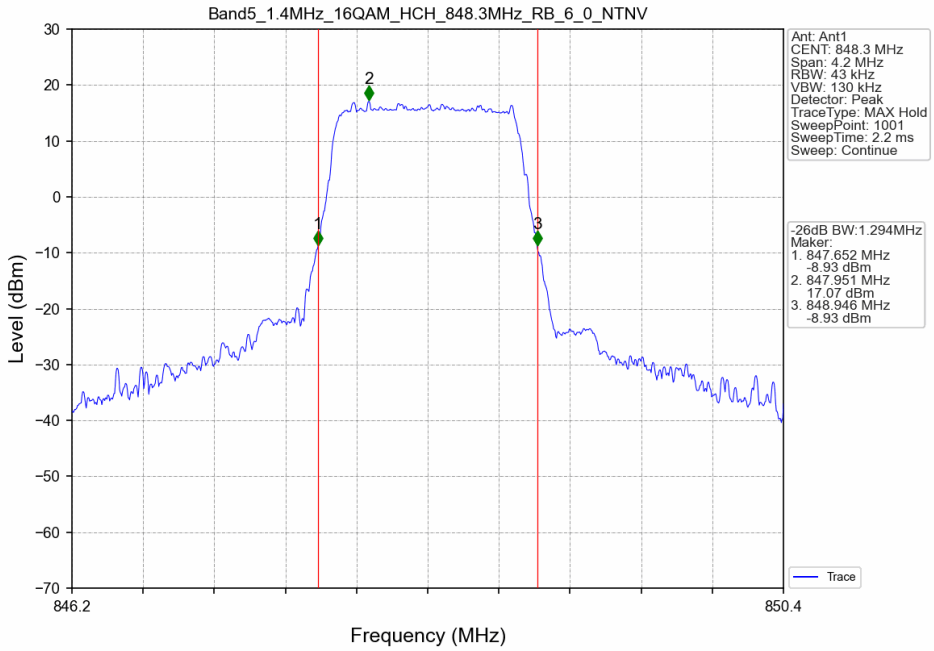
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



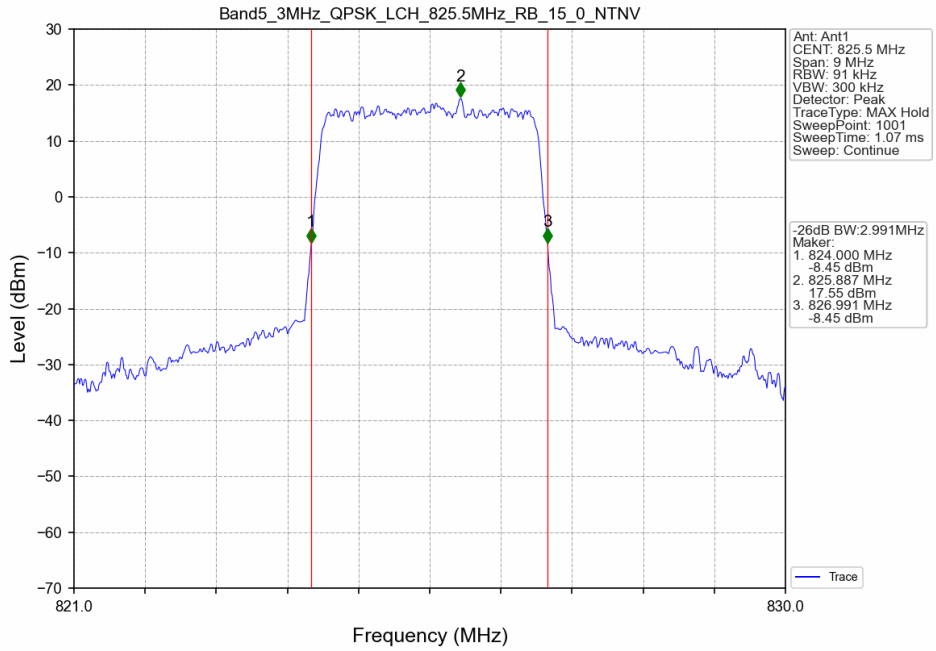
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



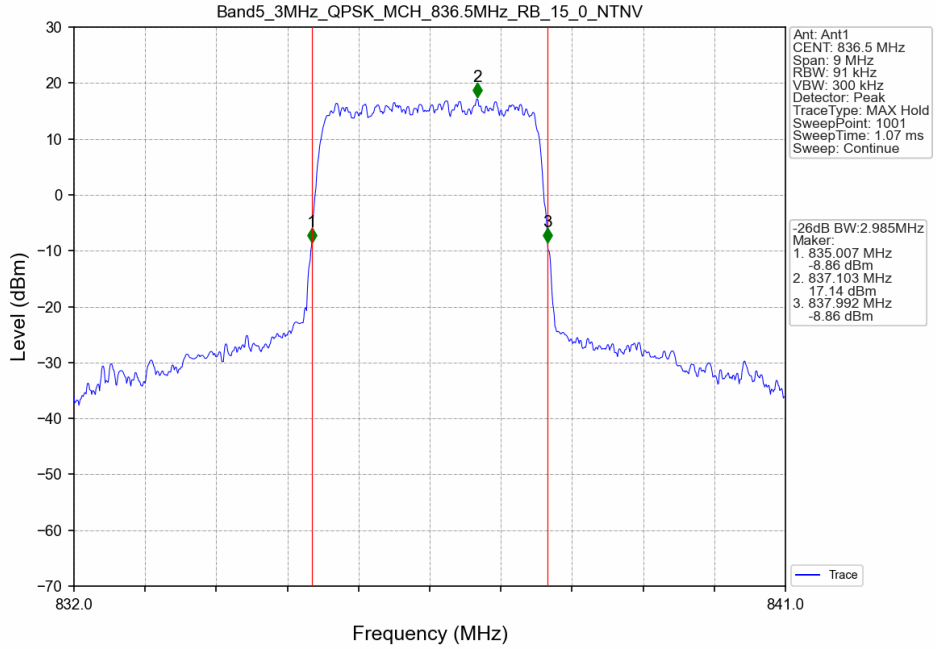
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



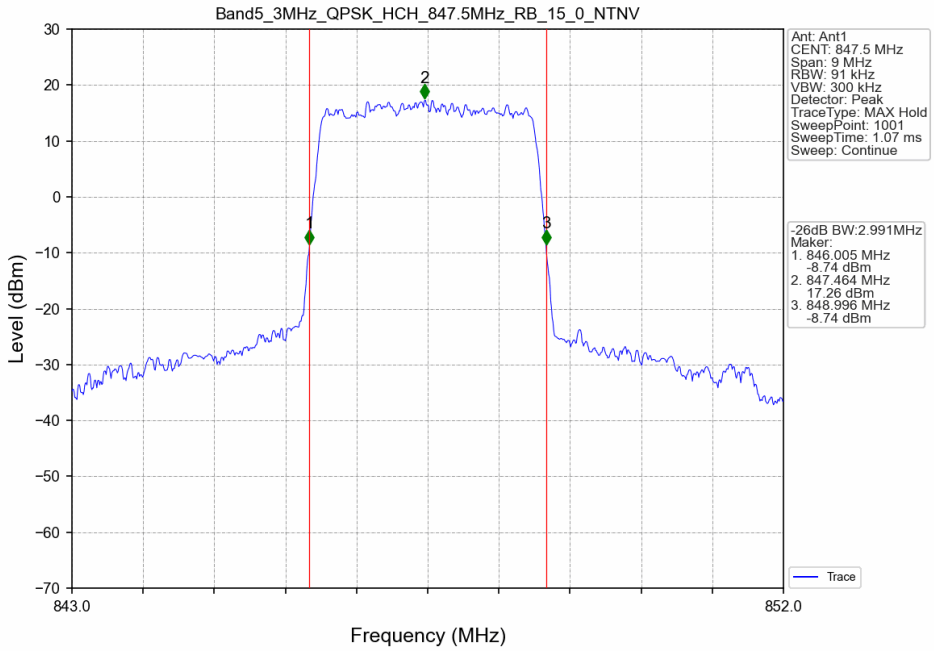
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



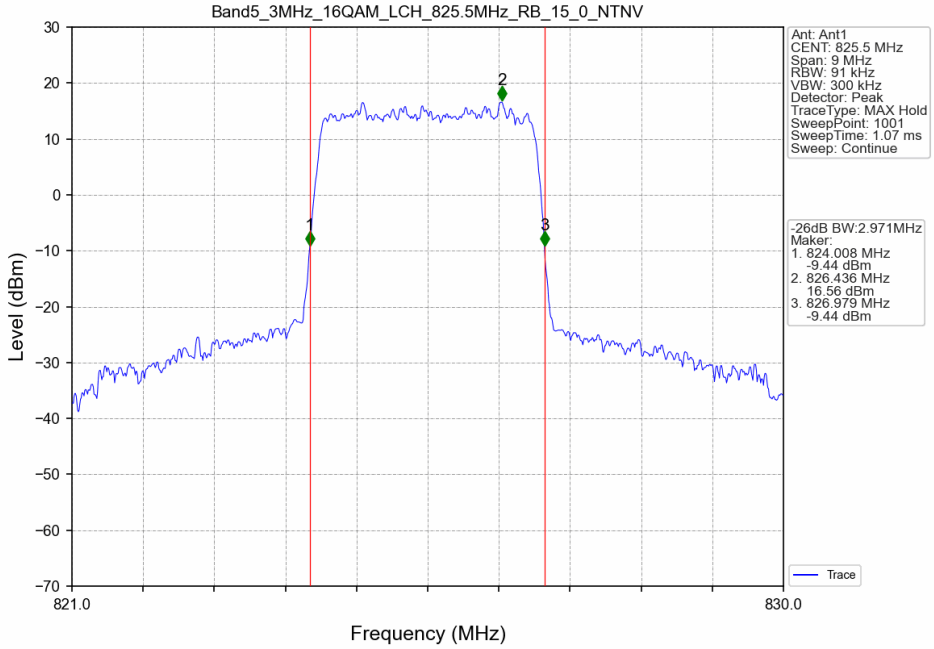
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



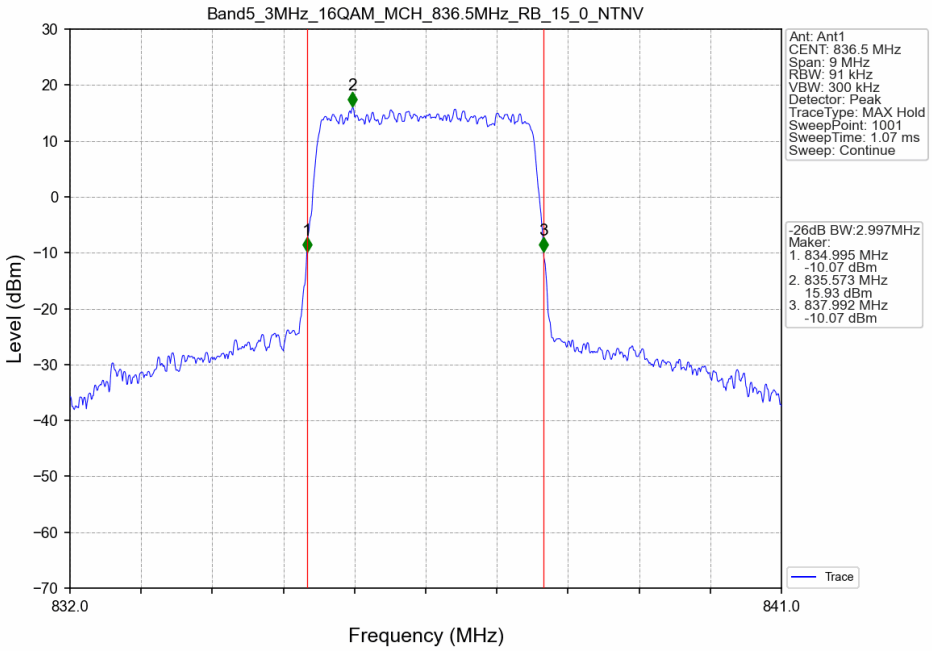
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



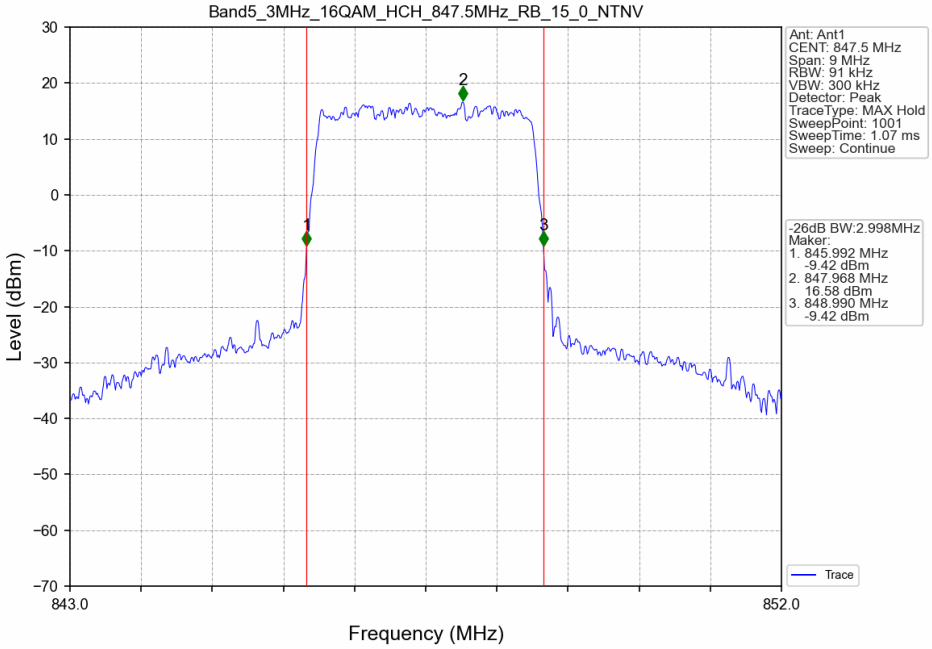
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



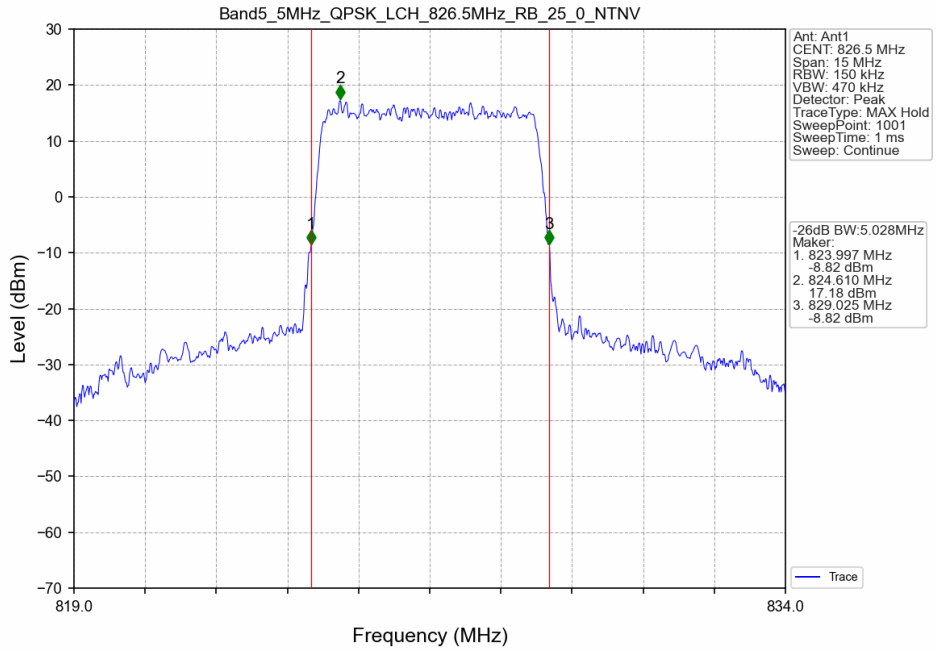
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



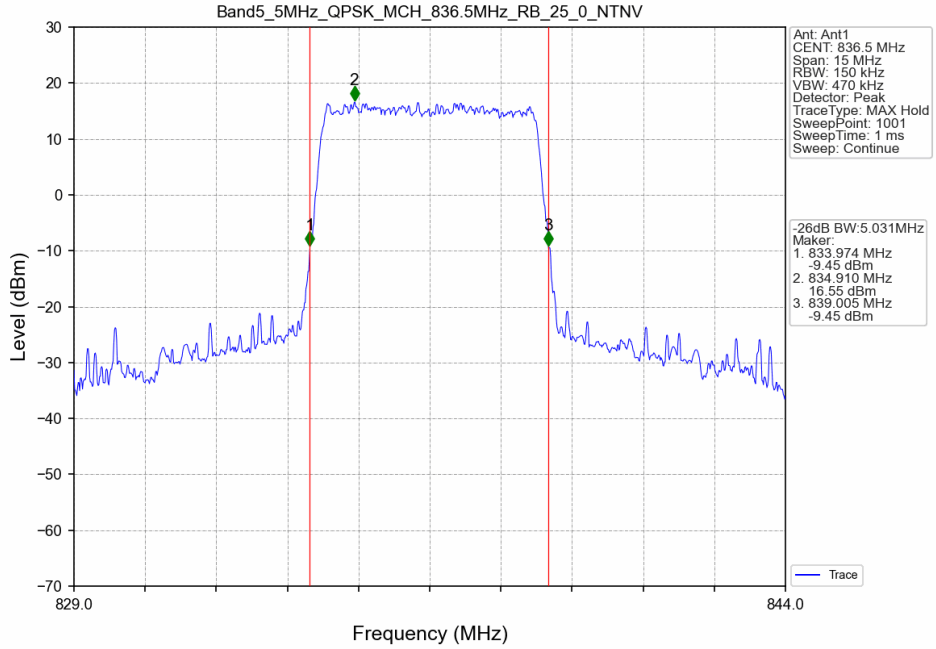
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



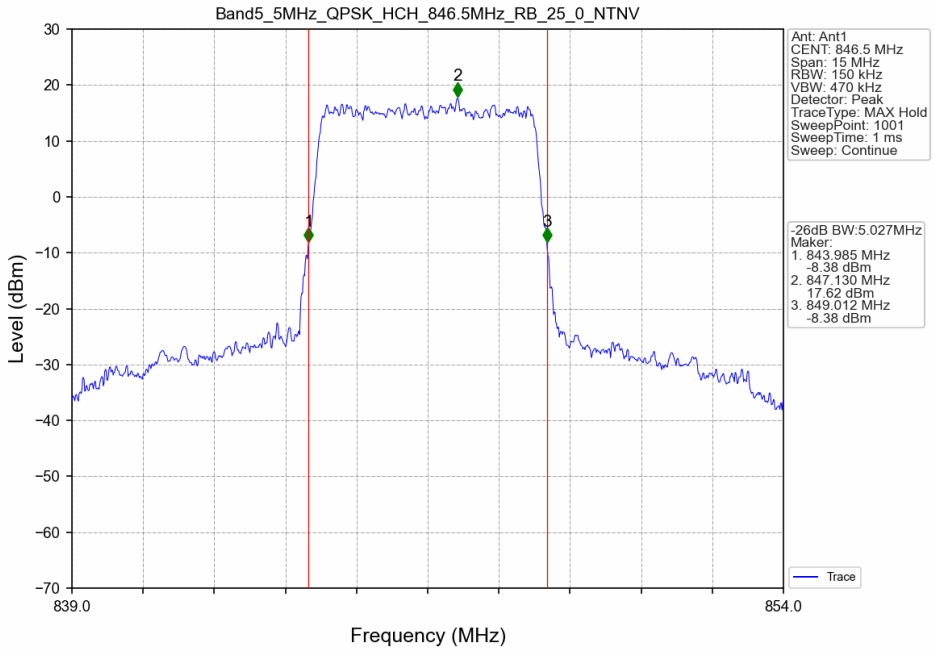
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



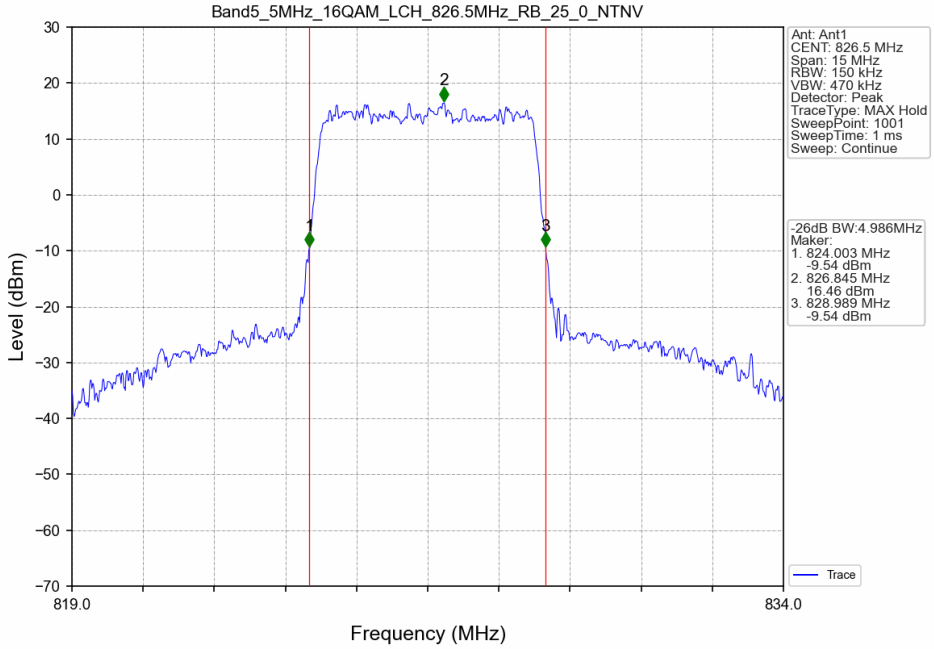
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



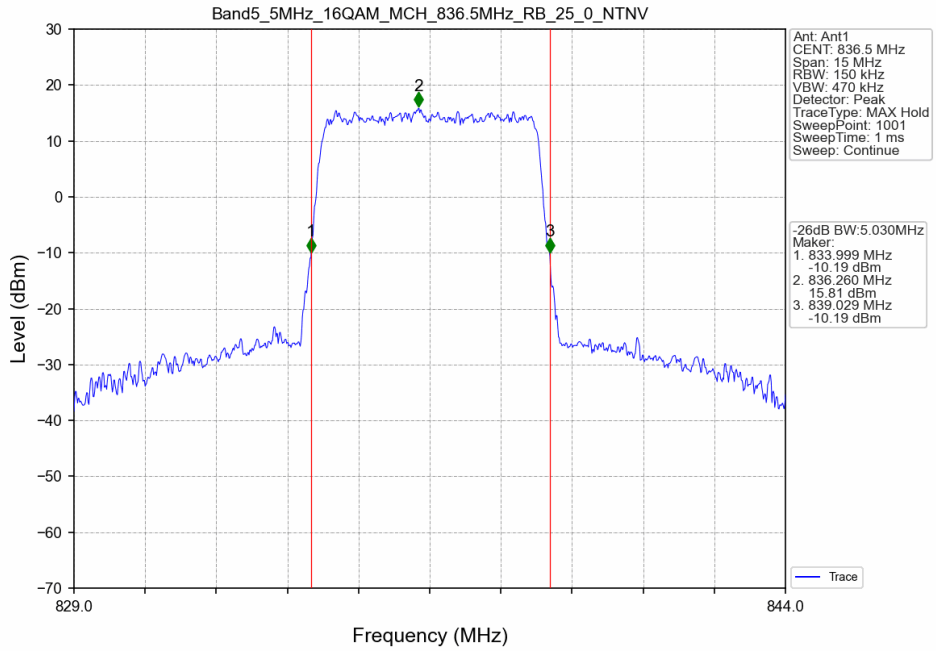
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



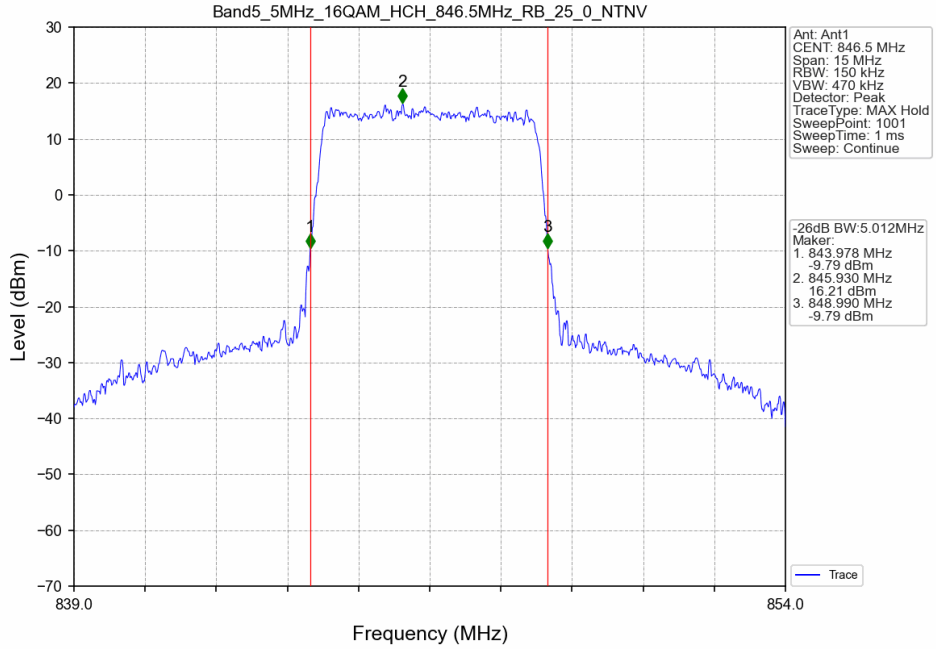
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



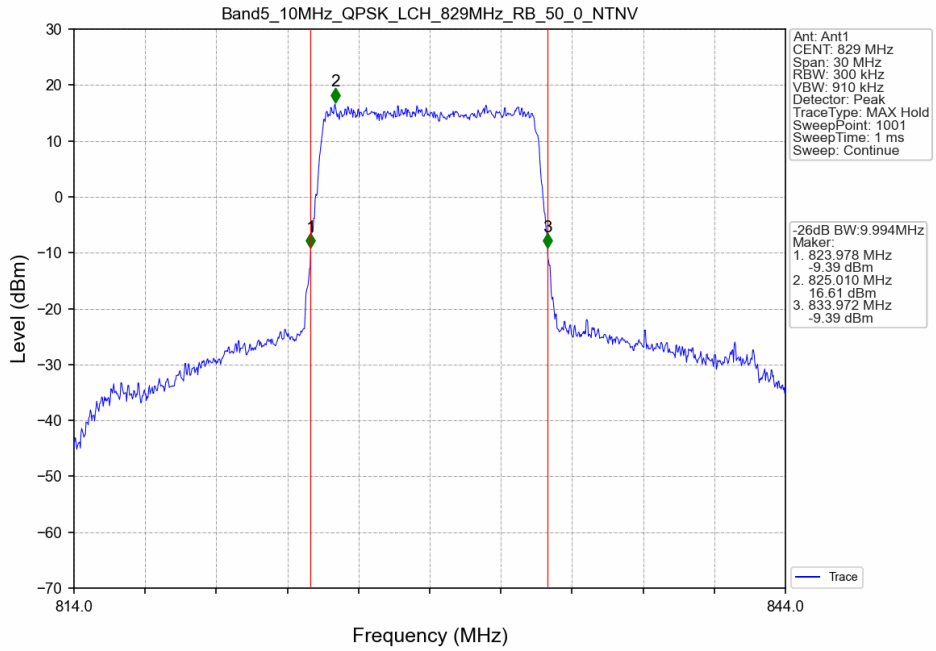
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



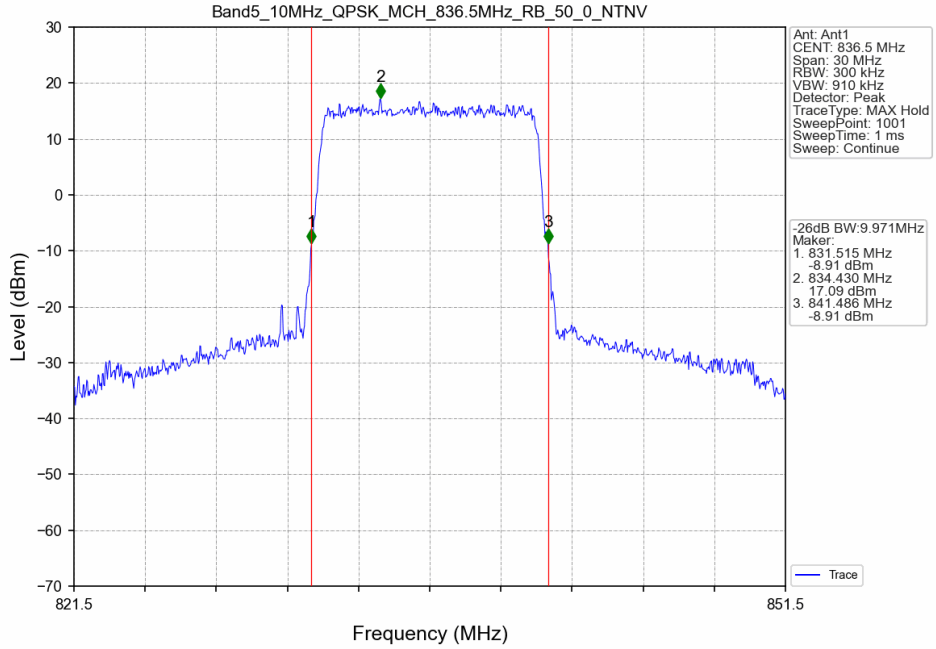
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



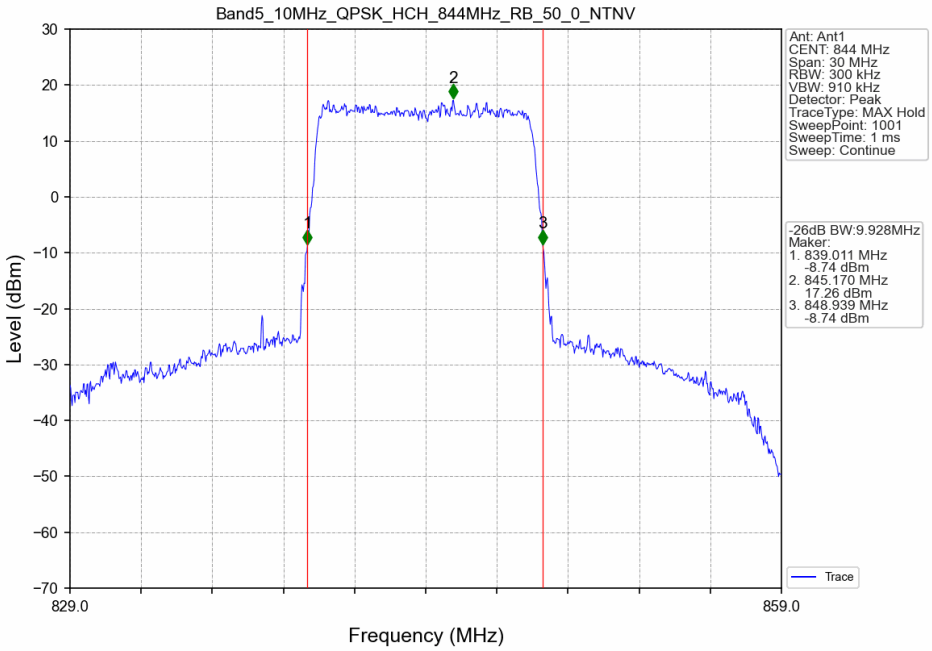
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



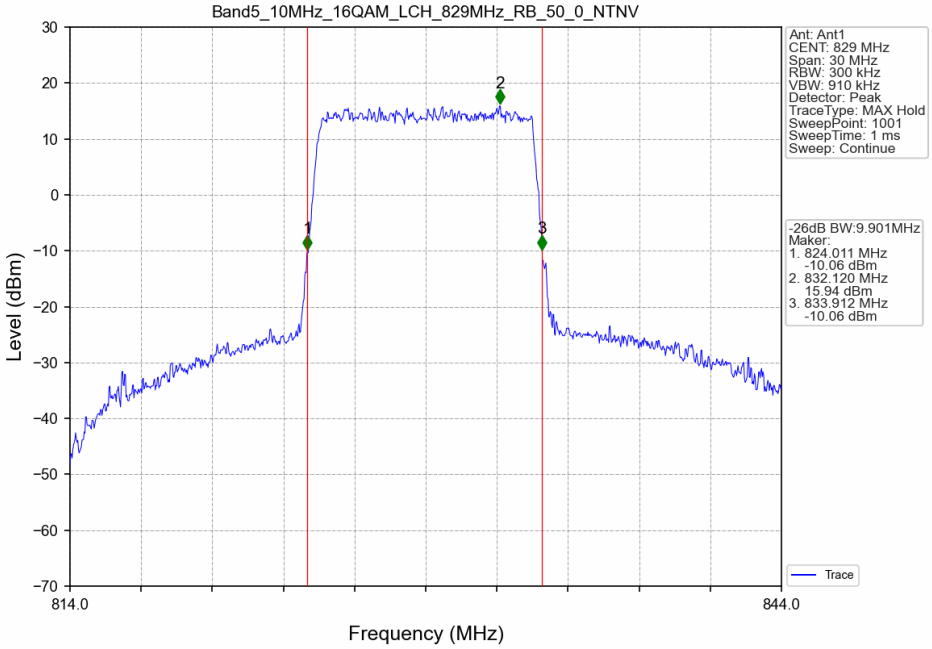
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



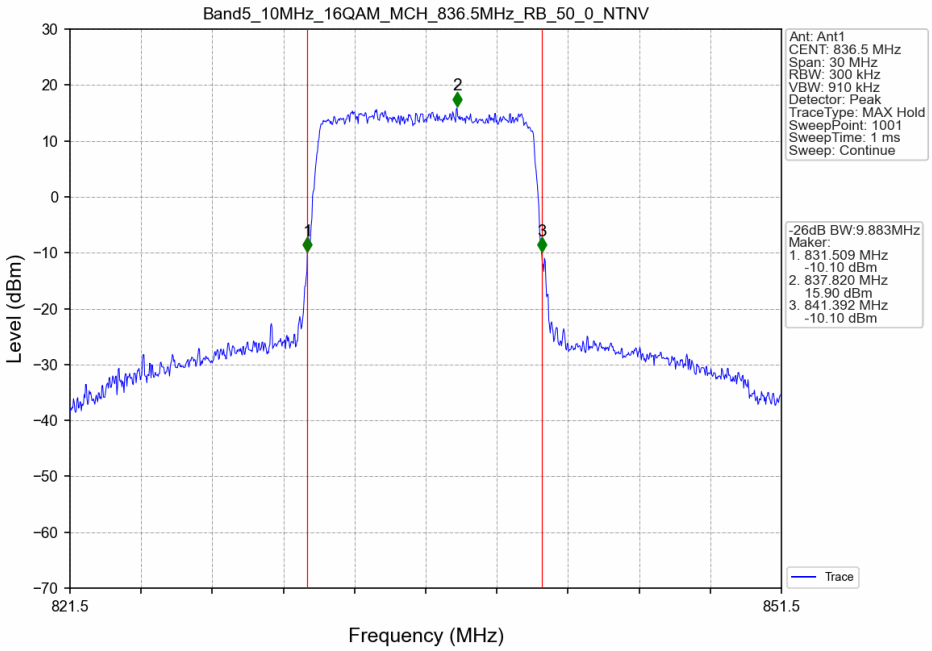
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



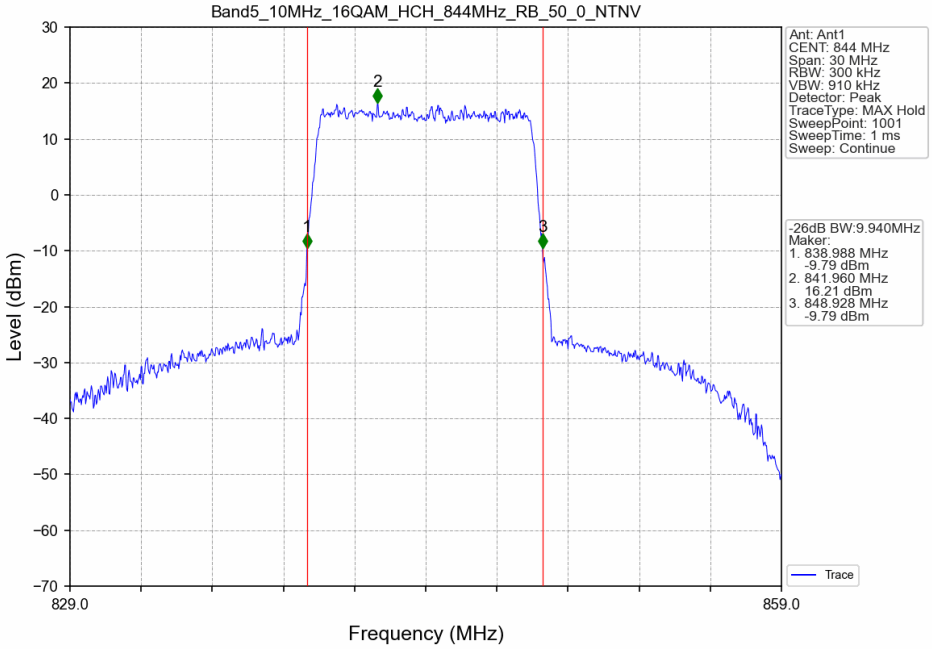
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



4. Peak-Average Ratio

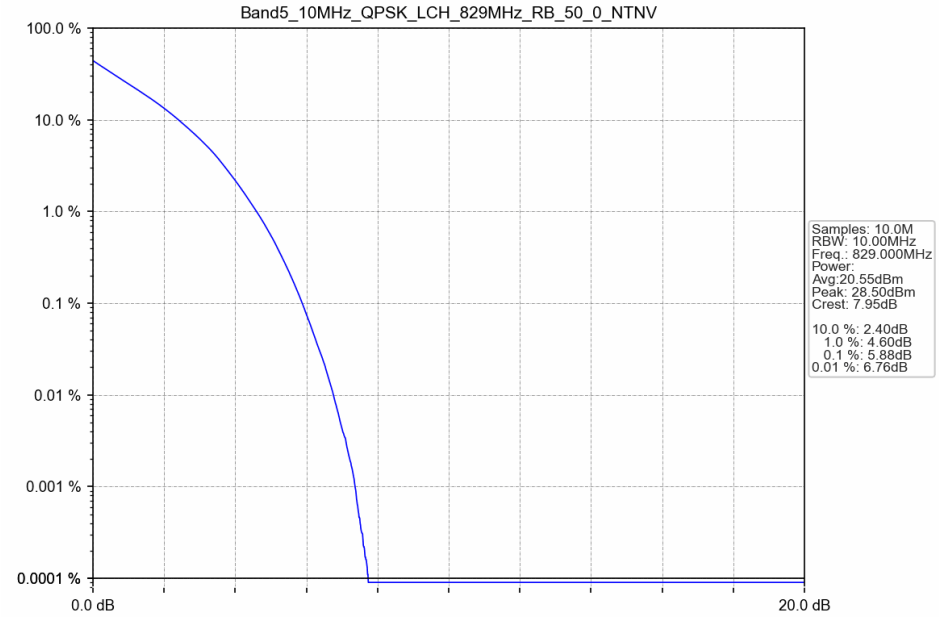
4.1 B5_10MHz

4.1.1 Test Result

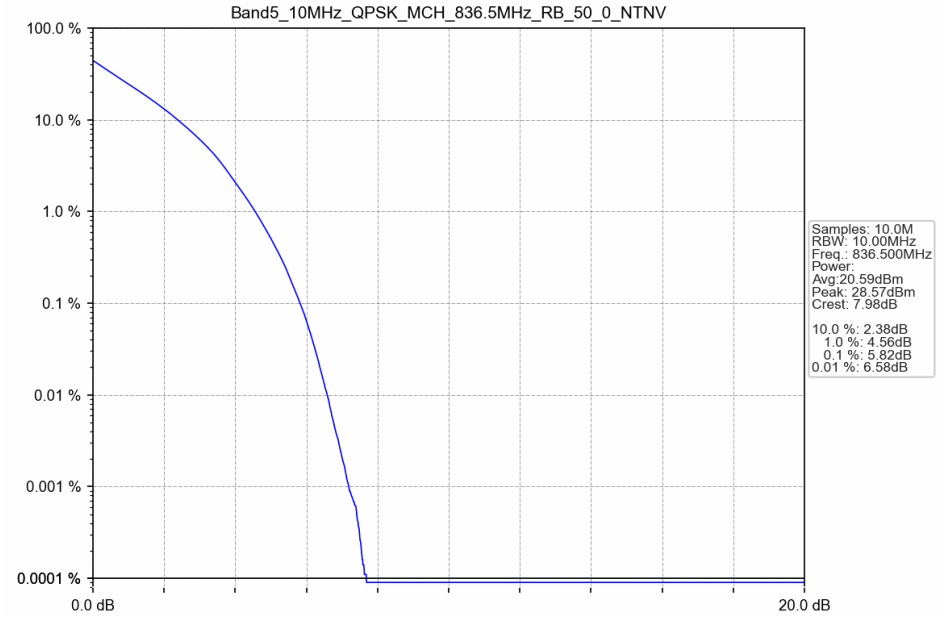
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.88	<=13	Pass
	836.5	50	0	5.82	<=13	Pass
	844	50	0	5.83	<=13	Pass
16QAM	829	50	0	6.58	<=13	Pass
	836.5	50	0	6.56	<=13	Pass
	844	50	0	6.57	<=13	Pass

4.4.2 Test Graph

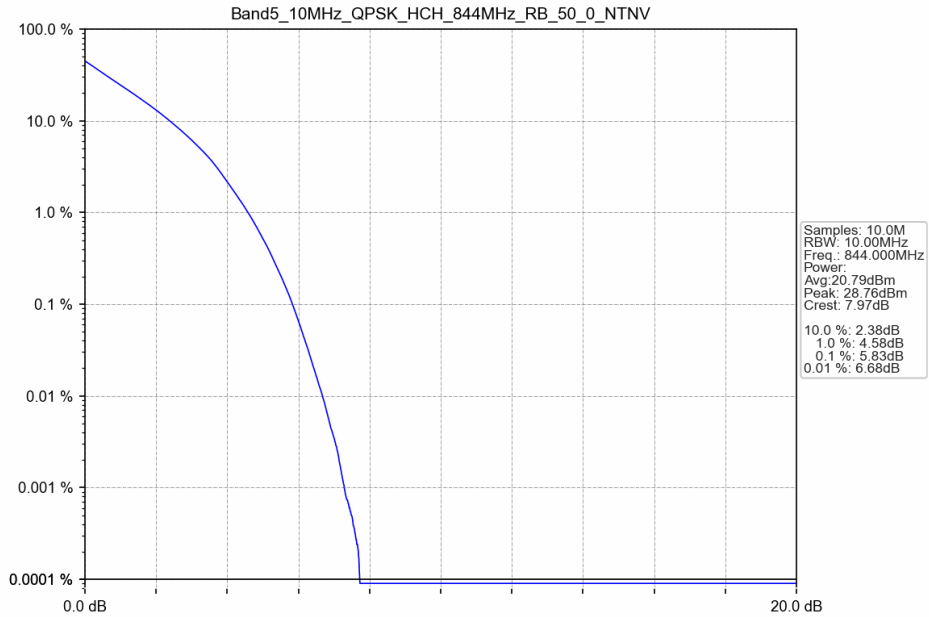
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



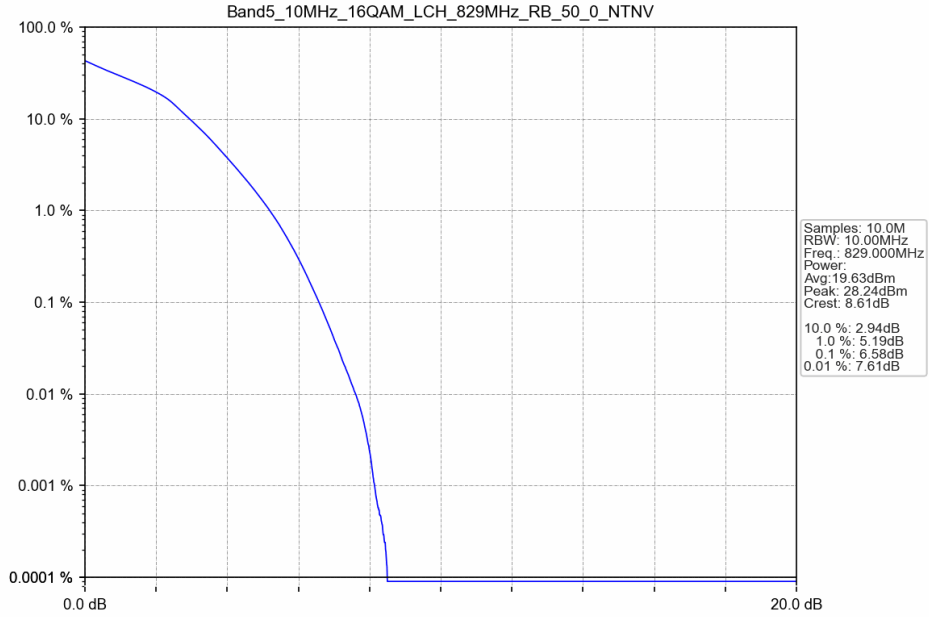
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



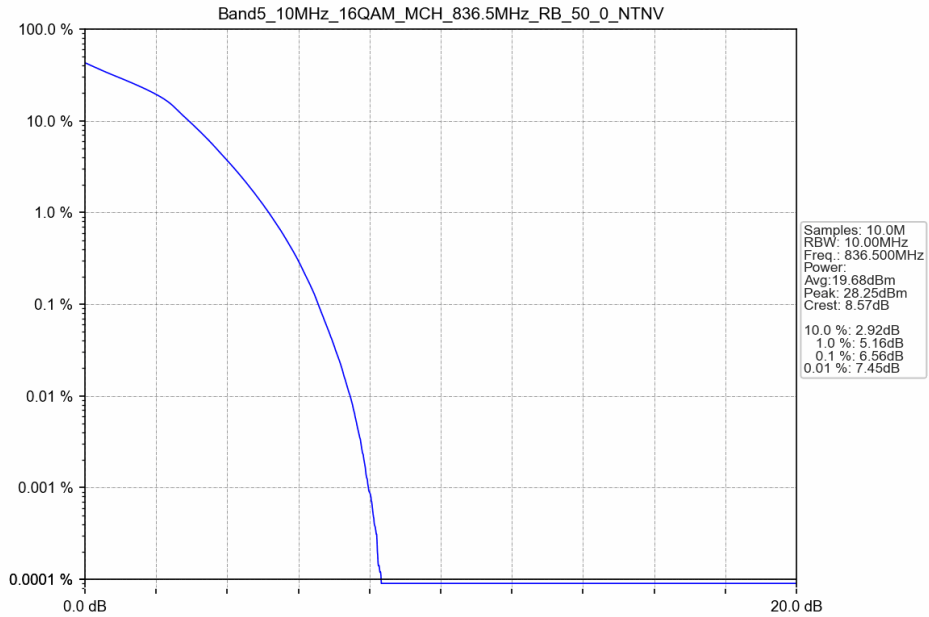
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



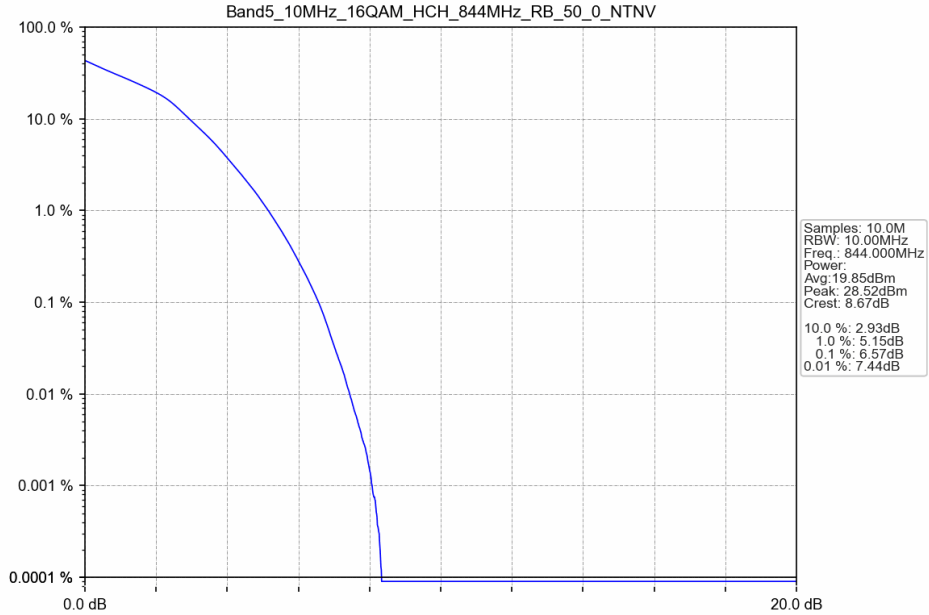
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Spurious Emission

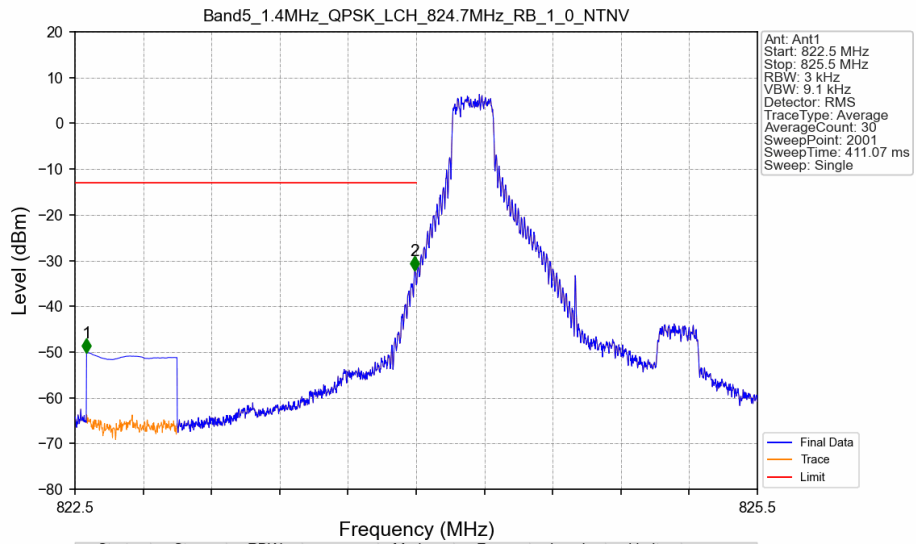
5.1 B5_1.4MHz

5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
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		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

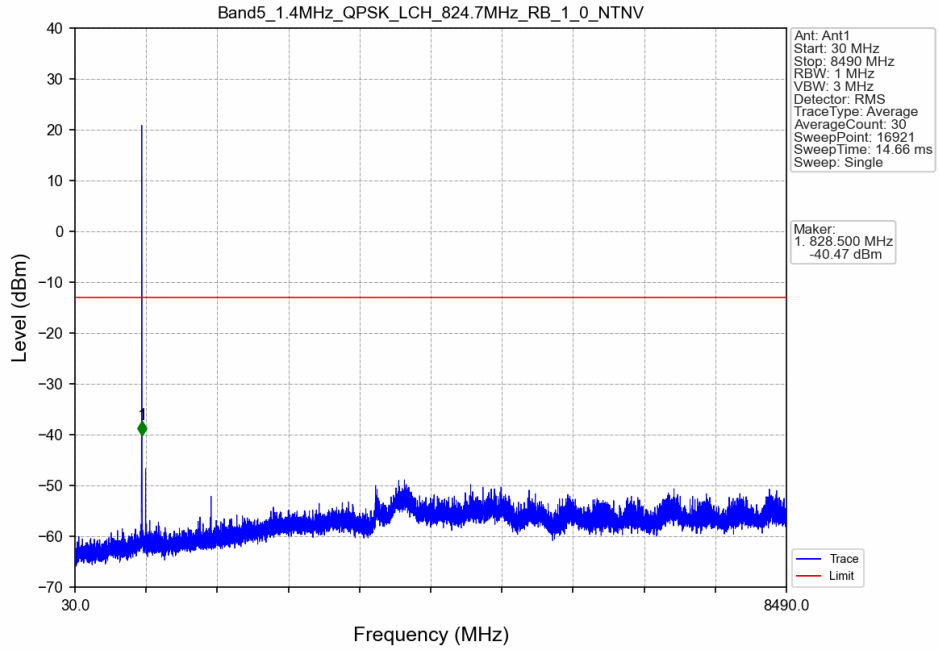
5.1.2 Test Graph

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

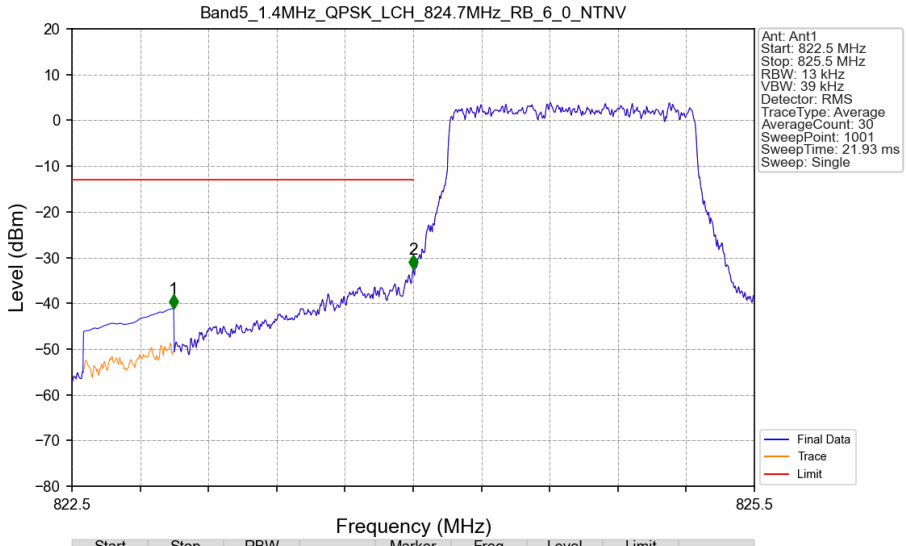


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.551	-50.16	-13	Pass
823	824	0.003	/	2	823.994	-32.17	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

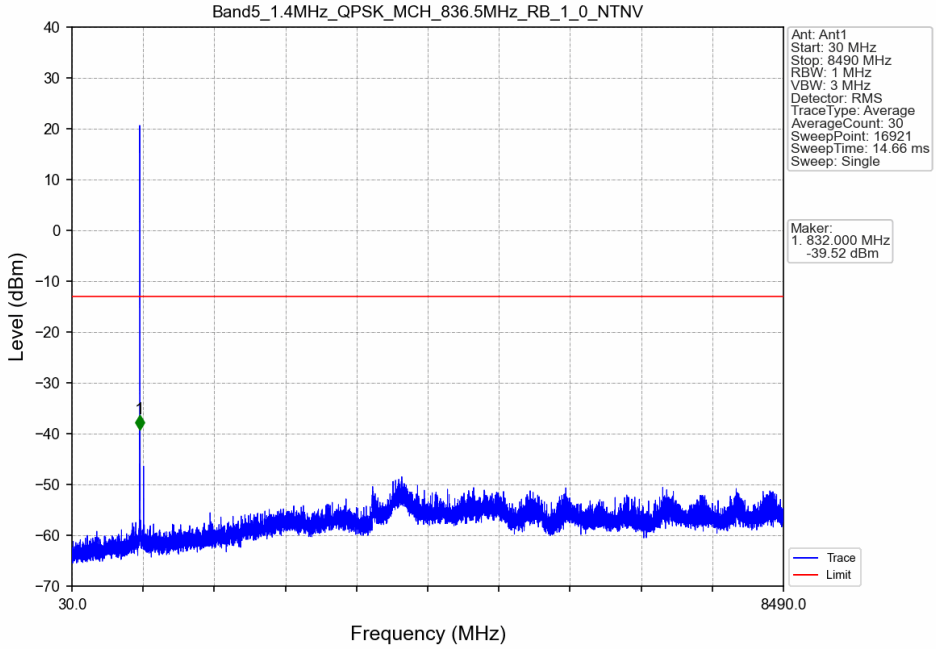


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

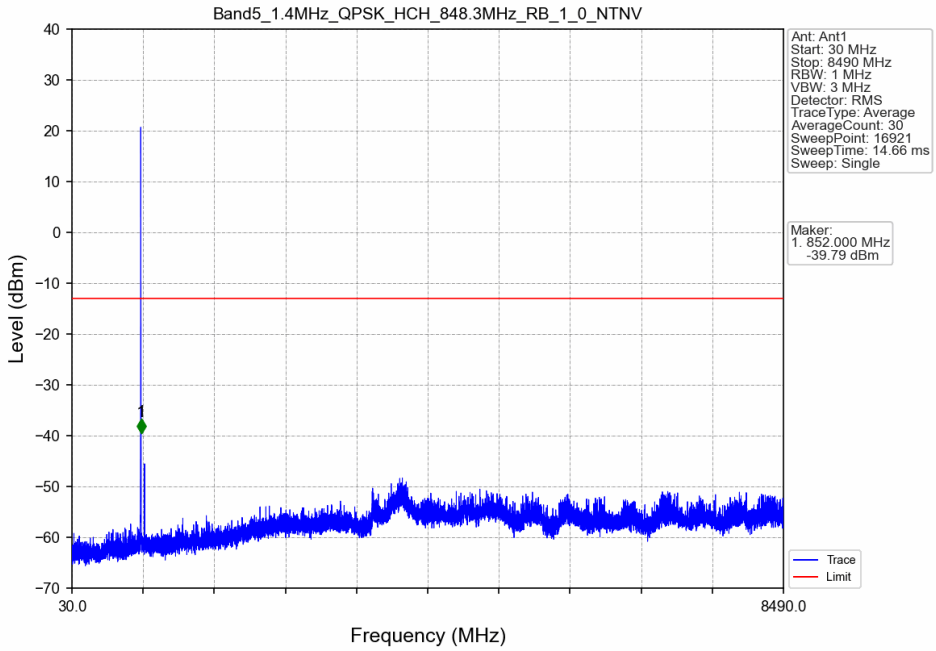


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-41.18	-13	Pass
823	824	0.013	/	2	824.000	-32.58	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

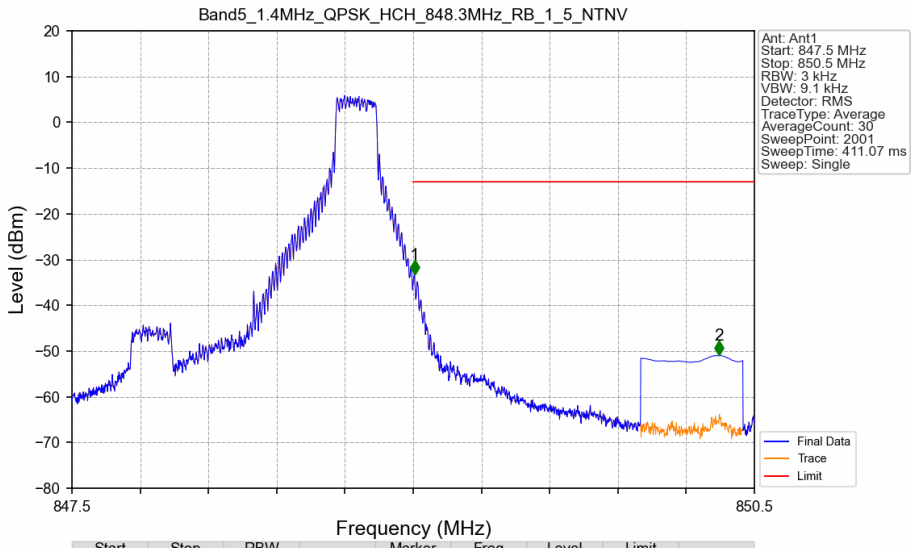
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

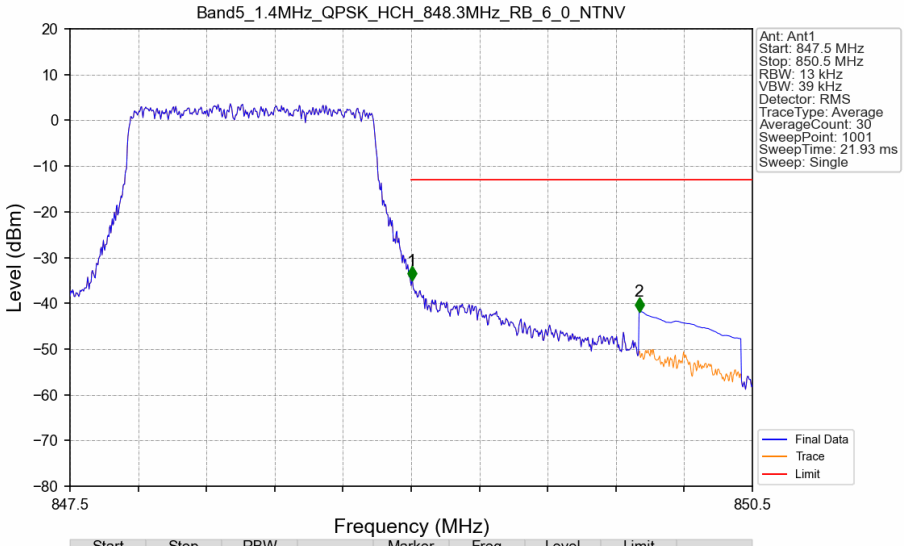


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-33.21	-13	Pass
850	850.5	0.1	CHP	2	850.346	-50.98	-13	Pass

Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



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	849.003	-35.03	-13	Pass
850	850.5	0.1	CHP	2	850.002	-41.83	-13	Pass

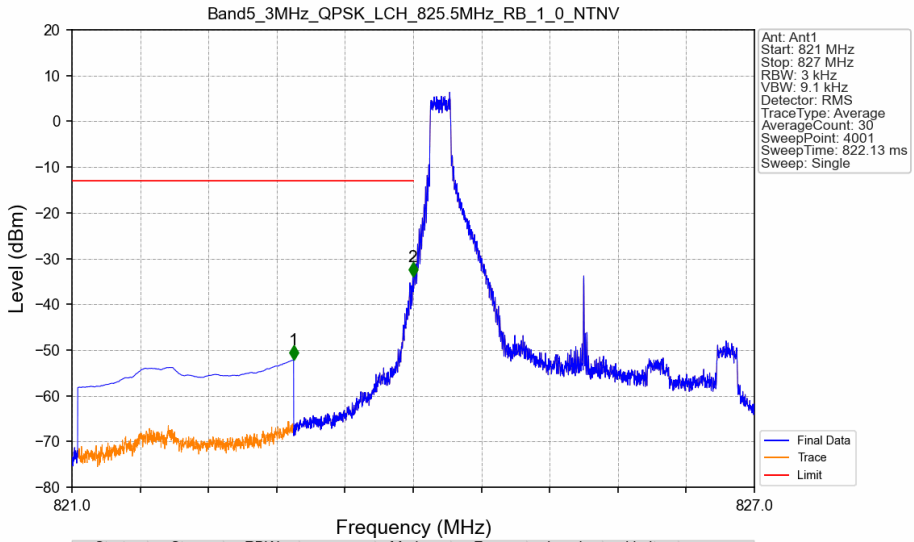
5.2 B5_3MHz

5.2.1 Test Result

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

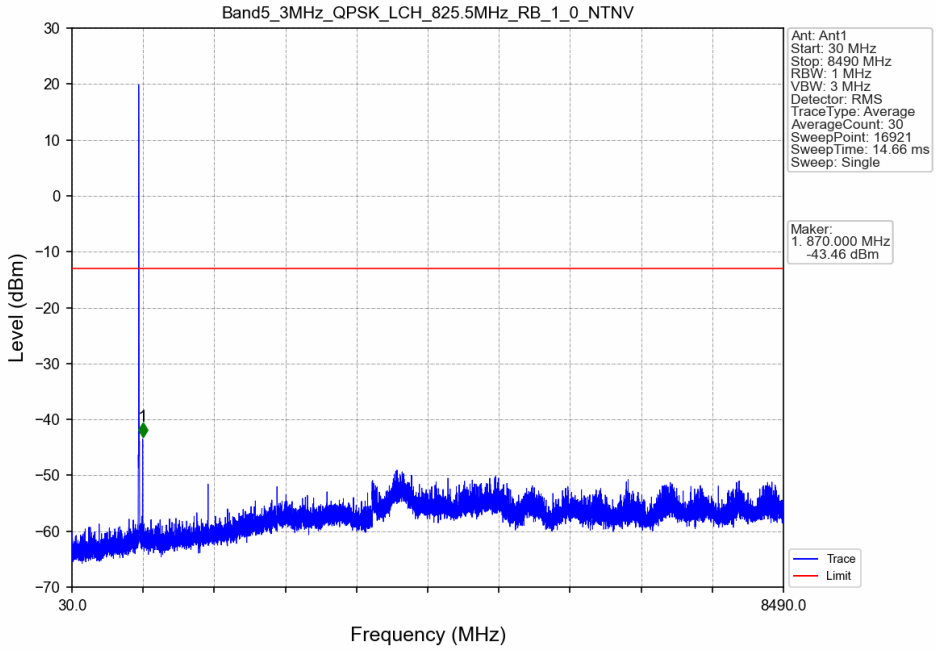
5.2.2 Test Graph

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

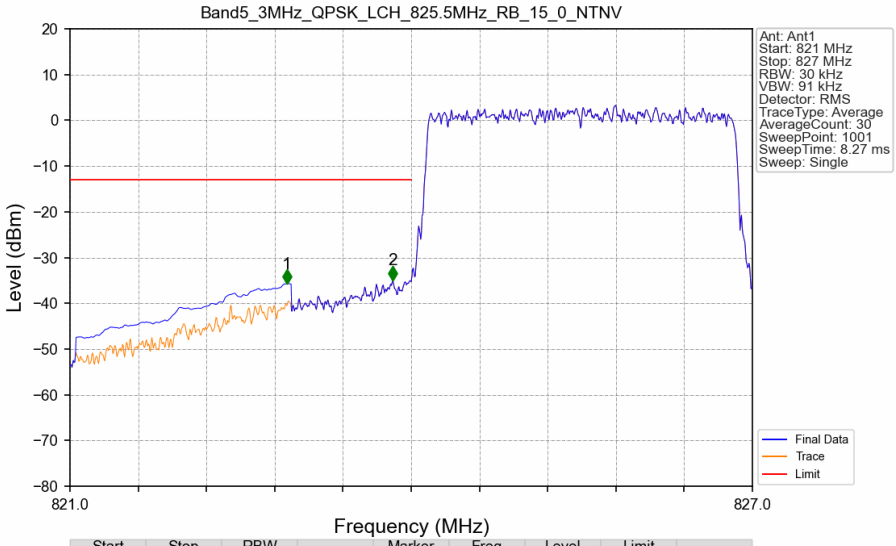


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-52.11	-13	Pass
823	824	0.003	/	2	823.997	-33.95	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

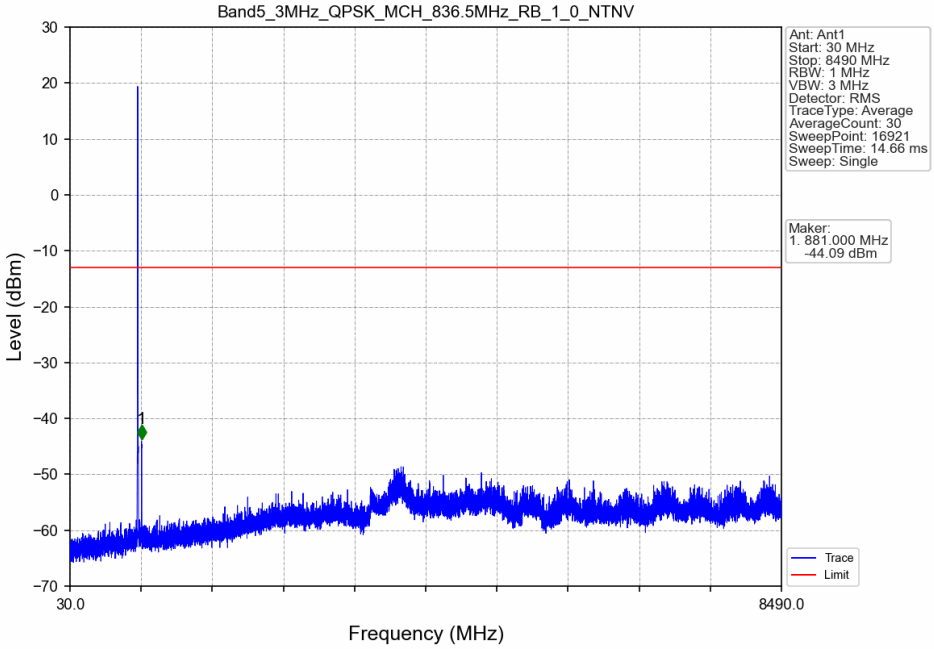


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

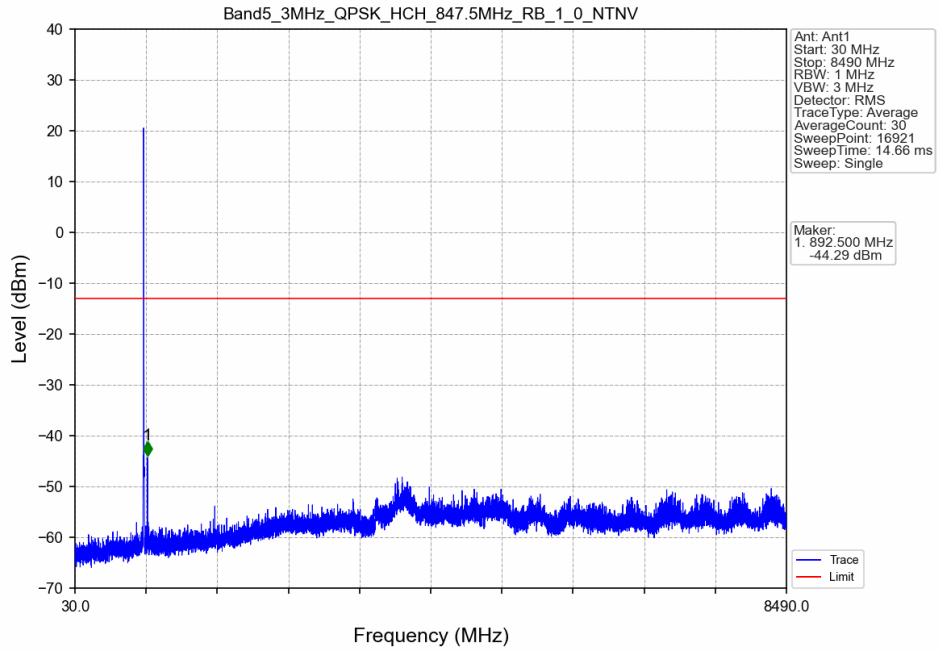


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-35.72	-13	Pass
823	824	0.03	/	2	823.838	-34.96	-13	Pass
824	827	0.03	/	/	/	/	/	/

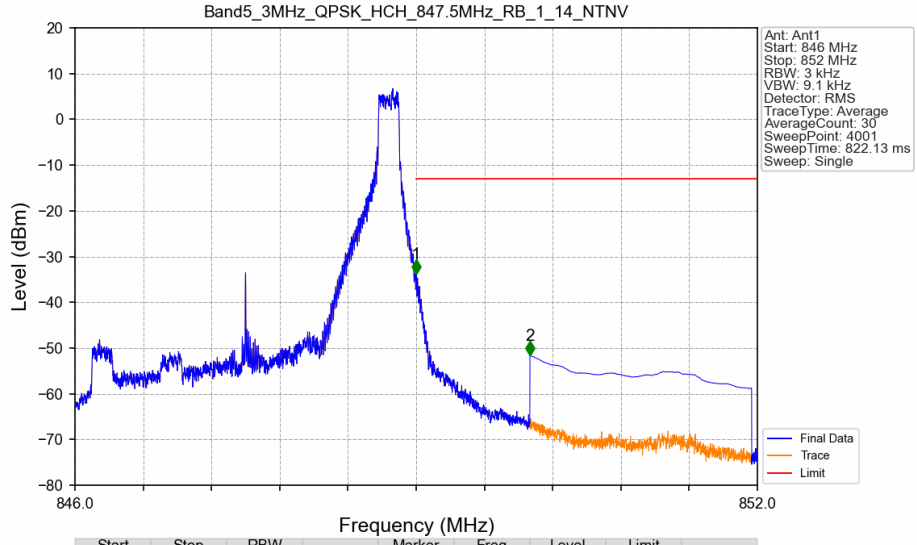
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

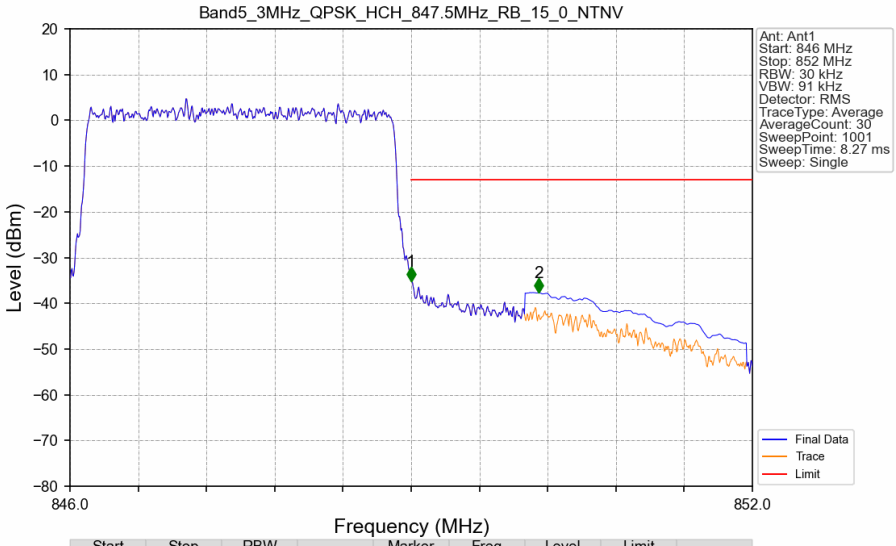


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	849.000	-33.75	-13	Pass
850	852	0.1	CHP	2	850.000	-51.66	-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	849.000	-35.15	-13	Pass
850	852	0.1	CHP	2	850.122	-37.64	-13	Pass

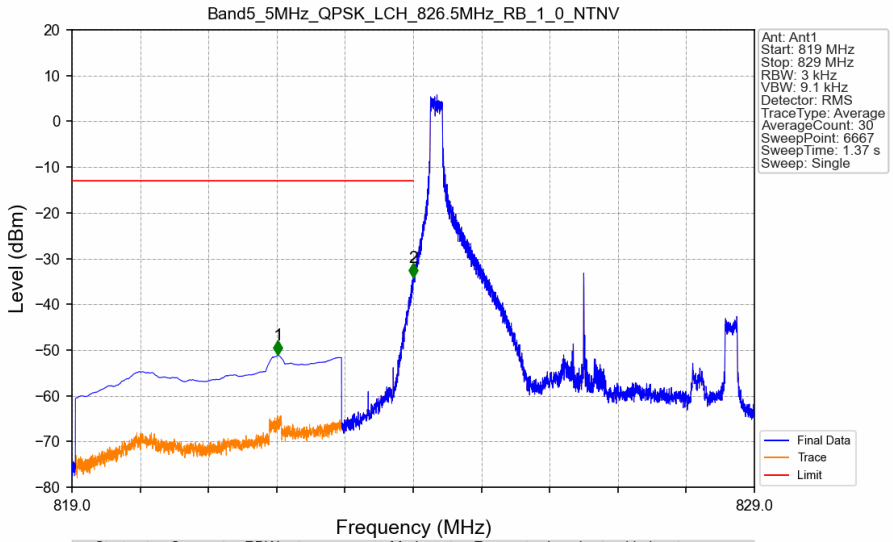
5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
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

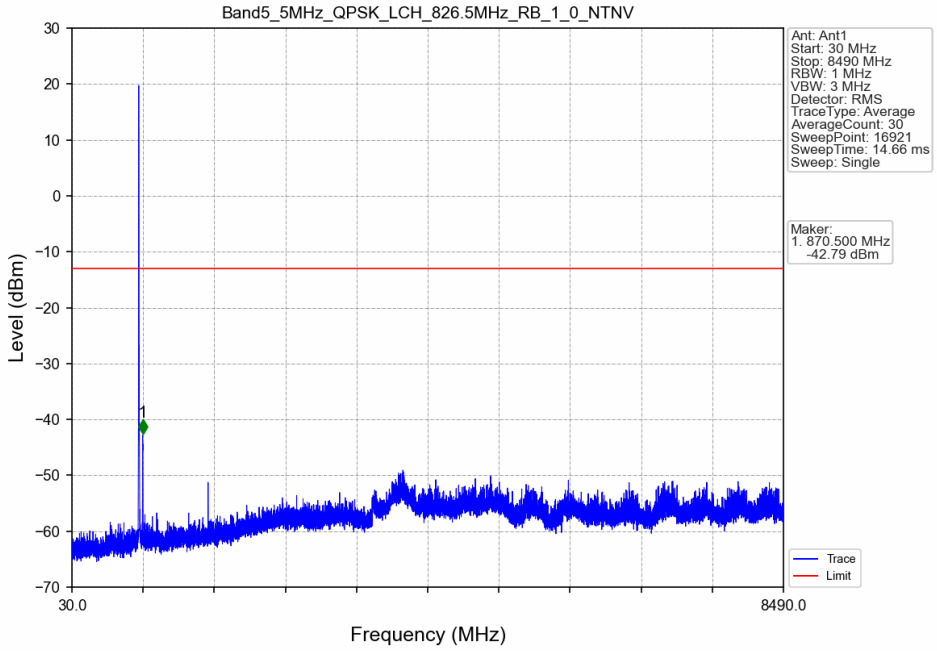
5.3.2 Test Graph

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

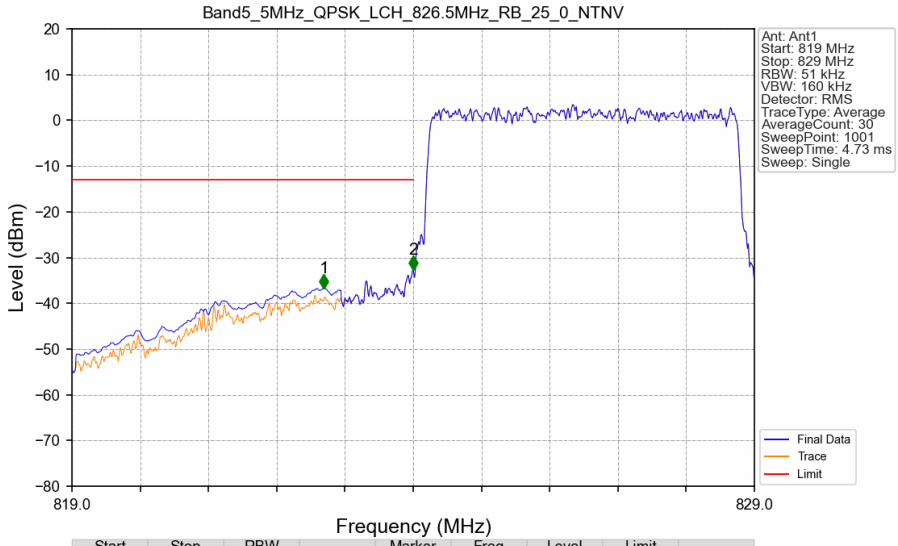


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.018	-51.07	-13	Pass
823	824	0.003	/	2	824.000	-34.11	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

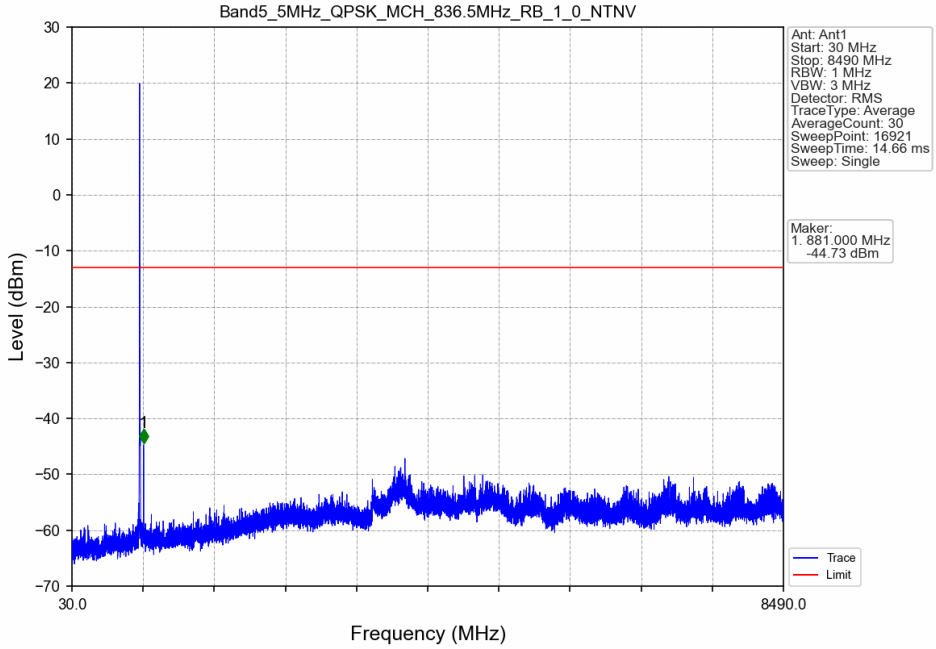


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

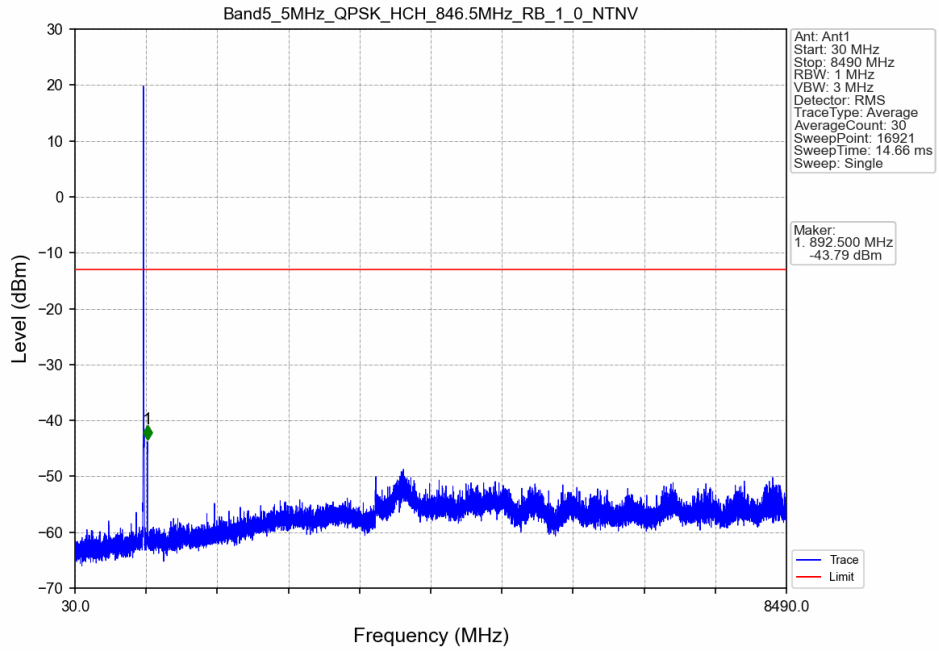


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.690	-36.70	-13	Pass
823	824	0.051	/	2	824.000	-32.64	-13	Pass
824	829	0.051	/	/	/	/	/	/

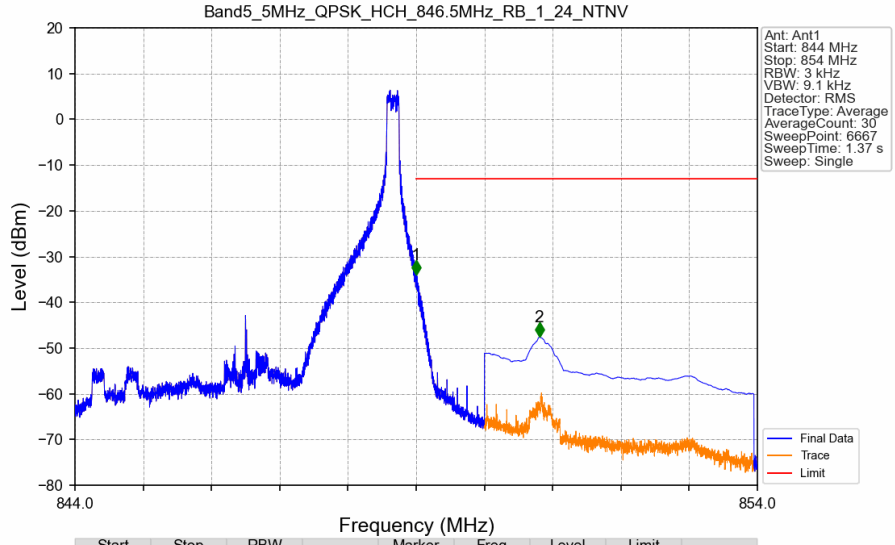
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

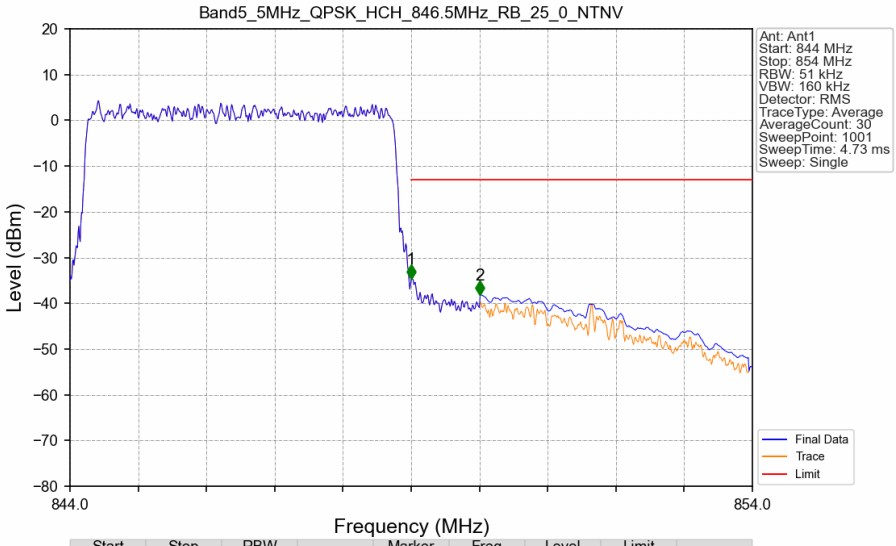


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-34.00	-13	Pass
850	854	0.1	CHP	2	850.805	-47.59	-13	Pass

Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.000	-34.64	-13	Pass
850	854	0.1	CHP	2	850.010	-38.17	-13	Pass

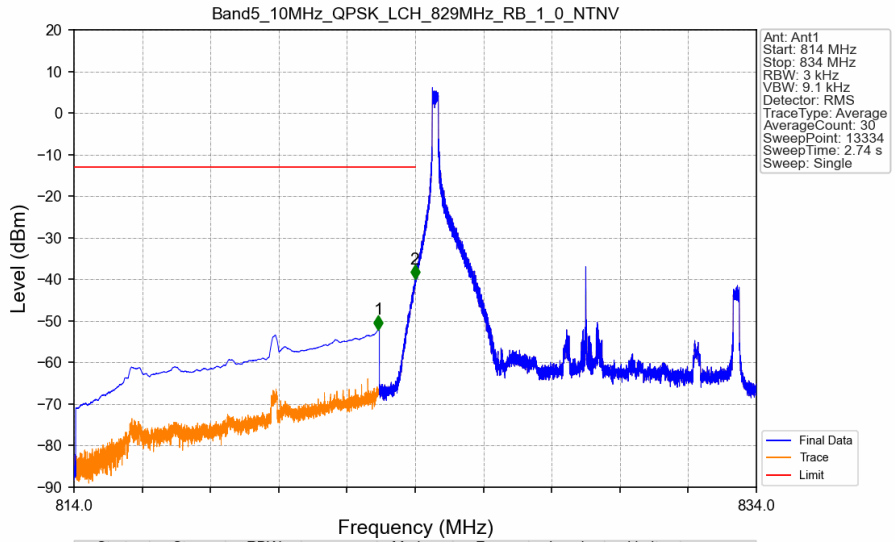
5.4 B5_10MHz

5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
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

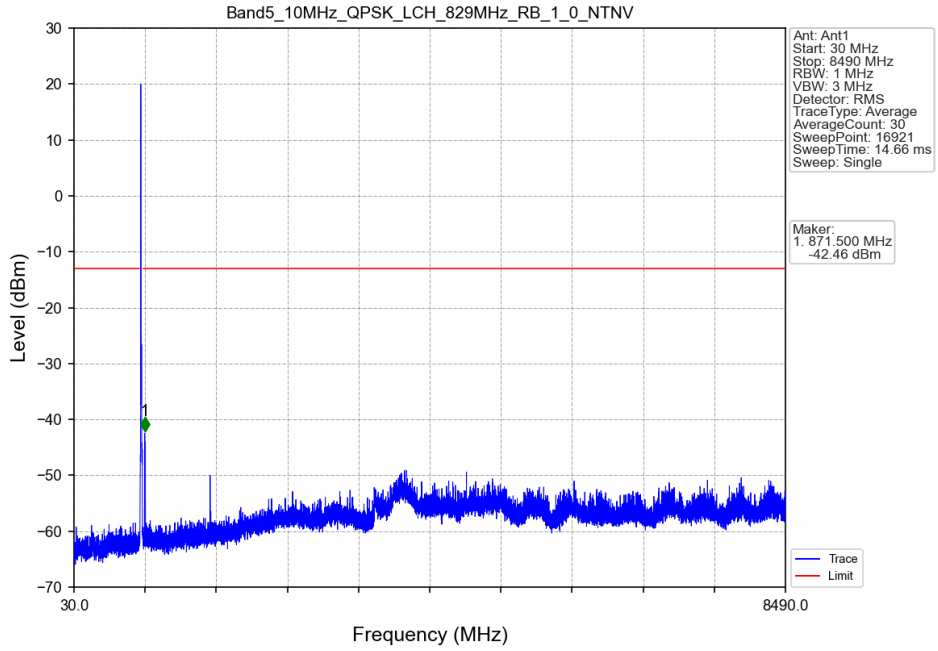
5.4.2 Test Graph

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

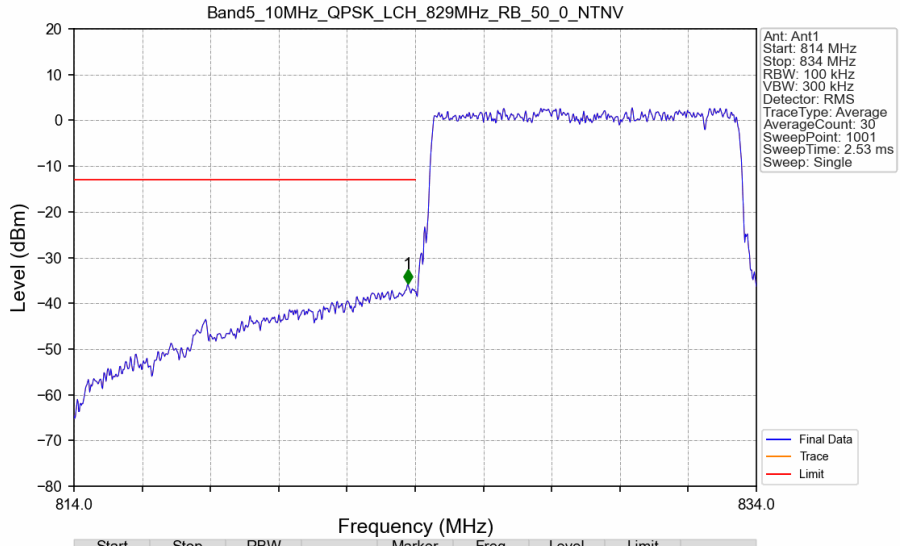


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.916	-52.10	-13	Pass
823	824	0.003	/	2	823.989	-39.91	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

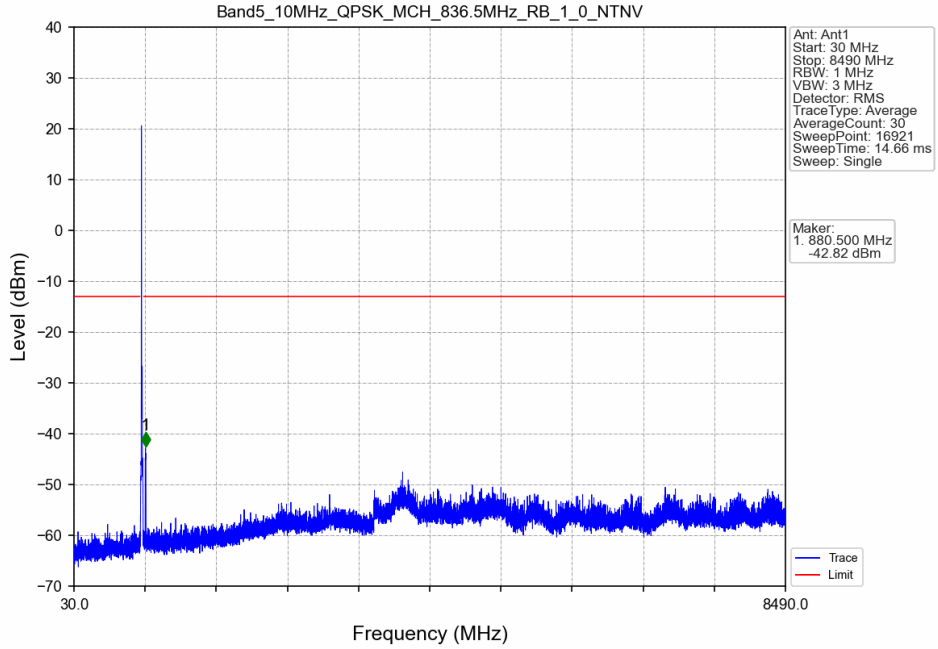


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

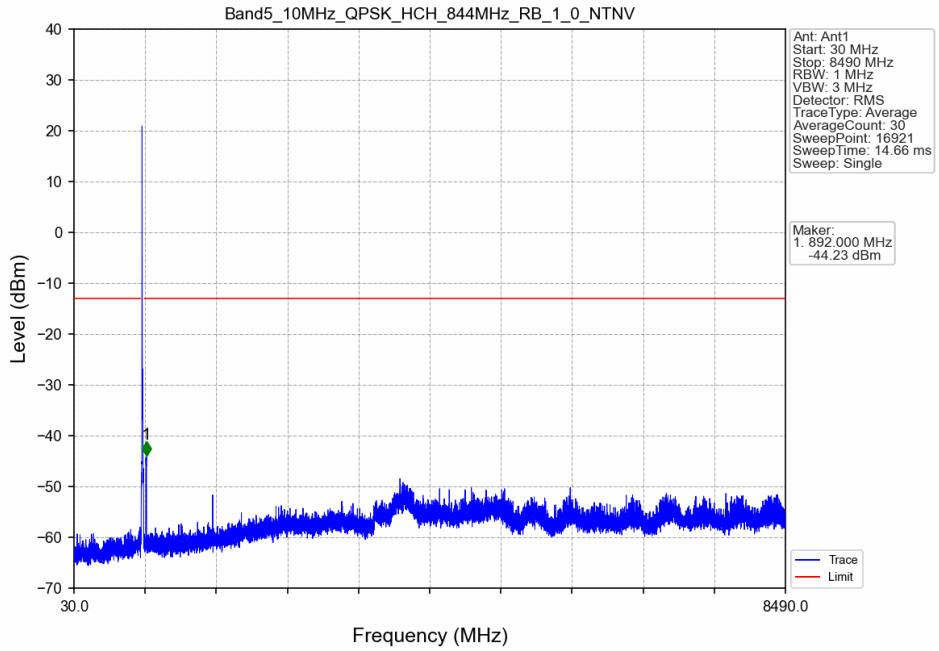


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.780	-35.73	-13	Pass
824	834	0.1	/	/	/	/	/	/

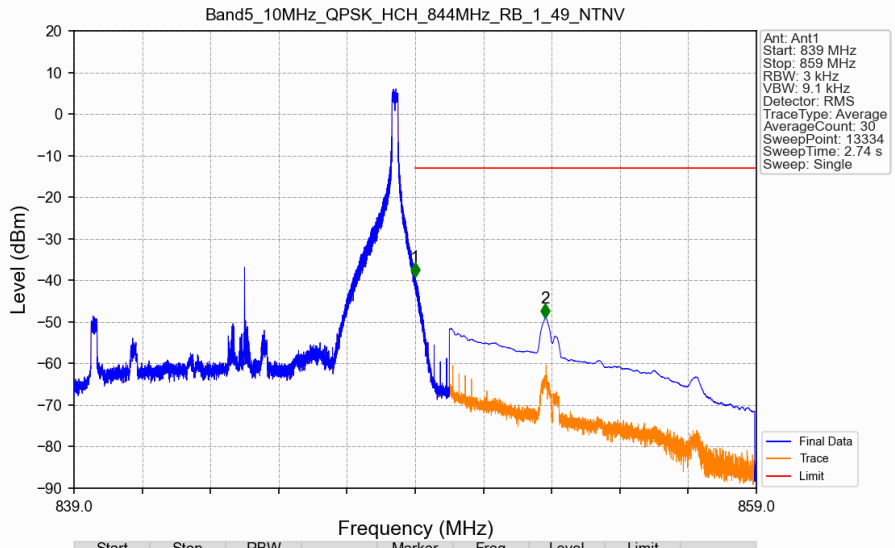
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

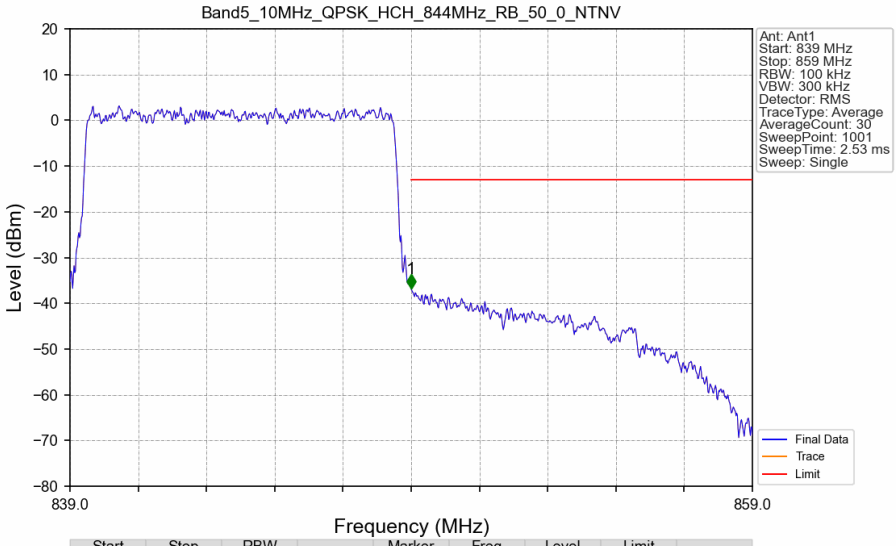


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-39.13	-13	Pass
850	859	0.1	CHP	2	852.817	-49.06	-13	Pass

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	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.000	-36.85	-13	Pass