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	23.74	-8.40	13.19	<=38.45	Pass
			2	23.87	-8.40	13.32	<=38.45	Pass
			5	23.68	-8.40	13.13	<=38.45	Pass
		3	0	23.84	-8.40	13.29	<=38.45	Pass
			2	23.70	-8.40	13.15	<=38.45	Pass
			3	23.56	-8.40	13.01	<=38.45	Pass
		6	0	22.49	-8.40	11.94	<=38.45	Pass
	836.5	1	0	23.79	-8.40	13.24	<=38.45	Pass
			2	23.49	-8.40	12.94	<=38.45	Pass
			5	23.45	-8.40	12.90	<=38.45	Pass
		3	0	23.78	-8.40	13.23	<=38.45	Pass
			2	23.33	-8.40	12.78	<=38.45	Pass
			3	23.41	-8.40	12.86	<=38.45	Pass
		6	0	22.75	-8.40	12.20	<=38.45	Pass
	848.3	1	0	23.54	-8.40	12.99	<=38.45	Pass
			2	23.65	-8.40	13.10	<=38.45	Pass
			5	23.55	-8.40	13.00	<=38.45	Pass
		3	0	23.60	-8.40	13.05	<=38.45	Pass
			2	23.49	-8.40	12.94	<=38.45	Pass
			3	23.54	-8.40	12.99	<=38.45	Pass
		6	0	22.62	-8.40	12.07	<=38.45	Pass
16QAM	824.7	1	0	22.69	-8.40	12.14	<=38.45	Pass
			2	22.99	-8.40	12.44	<=38.45	Pass
			5	23.02	-8.40	12.47	<=38.45	Pass
		3	0	22.79	-8.40	12.24	<=38.45	Pass
			2	22.86	-8.40	12.31	<=38.45	Pass
			3	22.83	-8.40	12.28	<=38.45	Pass
		6	0	22.01	-8.40	11.46	<=38.45	Pass
	836.5	1	0	22.92	-8.40	12.37	<=38.45	Pass
			2	22.81	-8.40	12.26	<=38.45	Pass
			5	22.57	-8.40	12.02	<=38.45	Pass
		3	0	22.84	-8.40	12.29	<=38.45	Pass
			2	22.72	-8.40	12.17	<=38.45	Pass
			3	22.67	-8.40	12.12	<=38.45	Pass
		6	0	21.93	-8.40	11.38	<=38.45	Pass
	848.3	1	0	22.55	-8.40	12.00	<=38.45	Pass
			2	22.93	-8.40	12.38	<=38.45	Pass
			5	22.91	-8.40	12.36	<=38.45	Pass
		3	0	22.59	-8.40	12.04	<=38.45	Pass
			2	22.36	-8.40	11.81	<=38.45	Pass
			3	22.63	-8.40	12.08	<=38.45	Pass
		6	0	21.85	-8.40	11.30	<=38.45	Pass
64QAM	824.7	1	0	21.74	-8.40	11.19	<=38.45	Pass
			2	21.72	-8.40	11.17	<=38.45	Pass
			5	21.79	-8.40	11.24	<=38.45	Pass
		3	0	21.99	-8.40	11.44	<=38.45	Pass
			2	21.96	-8.40	11.41	<=38.45	Pass
			3	22.01	-8.40	11.46	<=38.45	Pass
		6	0	20.75	-8.40	10.20	<=38.45	Pass

	836.5	1	0	21.57	-8.40	11.02	<=38.45	Pass
			2	21.71	-8.40	11.16	<=38.45	Pass
			5	21.63	-8.40	11.08	<=38.45	Pass
		3	0	21.89	-8.40	11.34	<=38.45	Pass
			2	21.93	-8.40	11.38	<=38.45	Pass
			3	21.87	-8.40	11.32	<=38.45	Pass
		6	0	20.83	-8.40	10.28	<=38.45	Pass
	848.3	1	0	21.78	-8.40	11.23	<=38.45	Pass
			2	21.68	-8.40	11.13	<=38.45	Pass
			5	21.69	-8.40	11.14	<=38.45	Pass
		3	0	21.90	-8.40	11.35	<=38.45	Pass
			2	21.76	-8.40	11.21	<=38.45	Pass
			3	21.80	-8.40	11.25	<=38.45	Pass
		6	0	20.70	-8.40	10.15	<=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	23.66	-8.40	13.11	<=38.45	Pass
			7	23.73	-8.40	13.18	<=38.45	Pass
			14	23.83	-8.40	13.28	<=38.45	Pass
		8	0	22.92	-8.40	12.37	<=38.45	Pass
			4	22.80	-8.40	12.25	<=38.45	Pass
			7	22.81	-8.40	12.26	<=38.45	Pass
		15	0	22.86	-8.40	12.31	<=38.45	Pass
	836.5	1	0	23.49	-8.40	12.94	<=38.45	Pass
			7	23.76	-8.40	13.21	<=38.45	Pass
			14	23.79	-8.40	13.24	<=38.45	Pass
		8	0	22.78	-8.40	12.23	<=38.45	Pass
			4	22.76	-8.40	12.21	<=38.45	Pass
			7	22.77	-8.40	12.22	<=38.45	Pass
		15	0	22.75	-8.40	12.20	<=38.45	Pass
	847.5	1	0	23.70	-8.40	13.15	<=38.45	Pass
			7	23.45	-8.40	12.90	<=38.45	Pass
			14	23.69	-8.40	13.14	<=38.45	Pass
		8	0	22.74	-8.40	12.19	<=38.45	Pass
			4	22.60	-8.40	12.05	<=38.45	Pass
			7	22.65	-8.40	12.10	<=38.45	Pass
		15	0	22.74	-8.40	12.19	<=38.45	Pass
16QAM	825.5	1	0	22.57	-8.40	12.02	<=38.45	Pass
			7	23.01	-8.40	12.46	<=38.45	Pass
			14	23.01	-8.40	12.46	<=38.45	Pass
		8	0	21.92	-8.40	11.37	<=38.45	Pass
			4	21.92	-8.40	11.37	<=38.45	Pass
			7	21.89	-8.40	11.34	<=38.45	Pass
		15	0	21.95	-8.40	11.40	<=38.45	Pass
	836.5	1	0	22.96	-8.40	12.41	<=38.45	Pass
			7	22.96	-8.40	12.41	<=38.45	Pass
			14	22.82	-8.40	12.27	<=38.45	Pass
		8	0	21.74	-8.40	11.19	<=38.45	Pass
			4	21.90	-8.40	11.35	<=38.45	Pass
			7	21.88	-8.40	11.33	<=38.45	Pass
		15	0	21.85	-8.40	11.30	<=38.45	Pass
	847.5	1	0	22.96	-8.40	12.41	<=38.45	Pass

			7	22.83	-8.40	12.28	<=38.45	Pass
			14	22.73	-8.40	12.18	<=38.45	Pass
		8	0	21.78	-8.40	11.23	<=38.45	Pass
			4	21.84	-8.40	11.29	<=38.45	Pass
			7	21.66	-8.40	11.11	<=38.45	Pass
		15	0	21.77	-8.40	11.22	<=38.45	Pass
64QAM	825.5	1	0	22.04	-8.40	11.49	<=38.45	Pass
			7	21.72	-8.40	11.17	<=38.45	Pass
			14	21.77	-8.40	11.22	<=38.45	Pass
		8	0	20.95	-8.40	10.40	<=38.45	Pass
			4	20.90	-8.40	10.35	<=38.45	Pass
			7	20.91	-8.40	10.36	<=38.45	Pass
		15	0	20.88	-8.40	10.33	<=38.45	Pass
	836.5	1	0	21.65	-8.40	11.10	<=38.45	Pass
			7	21.76	-8.40	11.21	<=38.45	Pass
			14	21.70	-8.40	11.15	<=38.45	Pass
		8	0	20.92	-8.40	10.37	<=38.45	Pass
			4	20.92	-8.40	10.37	<=38.45	Pass
			7	20.95	-8.40	10.40	<=38.45	Pass
		15	0	20.84	-8.40	10.29	<=38.45	Pass
	847.5	1	0	21.92	-8.40	11.37	<=38.45	Pass
			7	21.89	-8.40	11.34	<=38.45	Pass
			14	21.67	-8.40	11.12	<=38.45	Pass
		8	0	20.86	-8.40	10.31	<=38.45	Pass
			4	20.85	-8.40	10.30	<=38.45	Pass
			7	20.79	-8.40	10.24	<=38.45	Pass
		15	0	20.69	-8.40	10.14	<=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	23.89	-8.40	13.34	<=38.45	Pass
			13	23.76	-8.40	13.21	<=38.45	Pass
			24	23.82	-8.40	13.27	<=38.45	Pass
		12	0	22.92	-8.40	12.37	<=38.45	Pass
			6	22.87	-8.40	12.32	<=38.45	Pass
			13	22.88	-8.40	12.33	<=38.45	Pass
		25	0	22.92	-8.40	12.37	<=38.45	Pass
	836.5	1	0	23.93	-8.40	13.38	<=38.45	Pass
			13	23.55	-8.40	13.00	<=38.45	Pass
			24	23.67	-8.40	13.12	<=38.45	Pass
		12	0	22.83	-8.40	12.28	<=38.45	Pass
			6	22.83	-8.40	12.28	<=38.45	Pass
			13	22.83	-8.40	12.28	<=38.45	Pass
		25	0	22.85	-8.40	12.30	<=38.45	Pass
	846.5	1	0	23.80	-8.40	13.25	<=38.45	Pass
			13	23.42	-8.40	12.87	<=38.45	Pass
			24	23.72	-8.40	13.17	<=38.45	Pass
		12	0	22.83	-8.40	12.28	<=38.45	Pass
			6	22.77	-8.40	12.22	<=38.45	Pass
			13	22.79	-8.40	12.24	<=38.45	Pass
		25	0	22.79	-8.40	12.24	<=38.45	Pass
16QAM	826.5	1	0	22.98	-8.40	12.43	<=38.45	Pass
			13	22.87	-8.40	12.32	<=38.45	Pass

			24	23.01	-8.40	12.46	<=38.45	Pass
		12	0	21.98	-8.40	11.43	<=38.45	Pass
			6	21.91	-8.40	11.36	<=38.45	Pass
			13	21.91	-8.40	11.36	<=38.45	Pass
		25	0	21.93	-8.40	11.38	<=38.45	Pass
	836.5	1	0	22.85	-8.40	12.30	<=38.45	Pass
			13	22.90	-8.40	12.35	<=38.45	Pass
			24	23.03	-8.40	12.48	<=38.45	Pass
		12	0	21.84	-8.40	11.29	<=38.45	Pass
			6	21.94	-8.40	11.39	<=38.45	Pass
			13	21.89	-8.40	11.34	<=38.45	Pass
		25	0	21.91	-8.40	11.36	<=38.45	Pass
	846.5	1	0	22.86	-8.40	12.31	<=38.45	Pass
			13	22.83	-8.40	12.28	<=38.45	Pass
			24	22.94	-8.40	12.39	<=38.45	Pass
		12	0	21.86	-8.40	11.31	<=38.45	Pass
			6	21.88	-8.40	11.33	<=38.45	Pass
			13	21.79	-8.40	11.24	<=38.45	Pass
		25	0	21.85	-8.40	11.30	<=38.45	Pass
64QAM	826.5	1	0	21.56	-8.40	11.01	<=38.45	Pass
			13	21.72	-8.40	11.17	<=38.45	Pass
			24	22.03	-8.40	11.48	<=38.45	Pass
		12	0	21.04	-8.40	10.49	<=38.45	Pass
			6	20.98	-8.40	10.43	<=38.45	Pass
			13	20.92	-8.40	10.37	<=38.45	Pass
		25	0	20.96	-8.40	10.41	<=38.45	Pass
	836.5	1	0	21.98	-8.40	11.43	<=38.45	Pass
			13	21.75	-8.40	11.20	<=38.45	Pass
			24	21.51	-8.40	10.96	<=38.45	Pass
		12	0	20.95	-8.40	10.40	<=38.45	Pass
			6	20.95	-8.40	10.40	<=38.45	Pass
			13	20.92	-8.40	10.37	<=38.45	Pass
		25	0	20.88	-8.40	10.33	<=38.45	Pass
	846.5	1	0	21.52	-8.40	10.97	<=38.45	Pass
			13	21.56	-8.40	11.01	<=38.45	Pass
			24	21.59	-8.40	11.04	<=38.45	Pass
		12	0	20.93	-8.40	10.38	<=38.45	Pass
			6	20.85	-8.40	10.30	<=38.45	Pass
			13	20.82	-8.40	10.27	<=38.45	Pass
		25	0	20.79	-8.40	10.24	<=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	23.90	-8.40	13.35	<=38.45	Pass
			25	23.88	-8.40	13.33	<=38.45	Pass
			49	23.86	-8.40	13.31	<=38.45	Pass
		25	0	22.92	-8.40	12.37	<=38.45	Pass
			13	22.88	-8.40	12.33	<=38.45	Pass
			25	22.87	-8.40	12.32	<=38.45	Pass
		50	0	22.93	-8.40	12.38	<=38.45	Pass
	836.5	1	0	23.97	-8.40	13.42	<=38.45	Pass
			25	23.82	-8.40	13.27	<=38.45	Pass
			49	23.82	-8.40	13.27	<=38.45	Pass

		25	0	22.89	-8.40	12.34	<=38.45	Pass
			13	22.87	-8.40	12.32	<=38.45	Pass
			25	22.85	-8.40	12.30	<=38.45	Pass
		50	0	22.88	-8.40	12.33	<=38.45	Pass
	844	1	0	23.80	-8.40	13.25	<=38.45	Pass
			25	23.84	-8.40	13.29	<=38.45	Pass
			49	23.72	-8.40	13.17	<=38.45	Pass
		25	0	22.88	-8.40	12.33	<=38.45	Pass
			13	22.85	-8.40	12.30	<=38.45	Pass
			25	22.77	-8.40	12.22	<=38.45	Pass
		50	0	22.84	-8.40	12.29	<=38.45	Pass
16QAM	829	1	0	23.07	-8.40	12.52	<=38.45	Pass
			25	23.06	-8.40	12.51	<=38.45	Pass
			49	23.20	-8.40	12.65	<=38.45	Pass
		25	0	21.96	-8.40	11.41	<=38.45	Pass
			13	21.98	-8.40	11.43	<=38.45	Pass
			25	21.92	-8.40	11.37	<=38.45	Pass
		50	0	21.96	-8.40	11.41	<=38.45	Pass
	836.5	1	0	23.05	-8.40	12.50	<=38.45	Pass
			25	23.09	-8.40	12.54	<=38.45	Pass
			49	23.03	-8.40	12.48	<=38.45	Pass
		25	0	21.87	-8.40	11.32	<=38.45	Pass
			13	21.91	-8.40	11.36	<=38.45	Pass
			25	21.88	-8.40	11.33	<=38.45	Pass
		50	0	21.86	-8.40	11.31	<=38.45	Pass
	844	1	0	23.06	-8.40	12.51	<=38.45	Pass
			25	23.11	-8.40	12.56	<=38.45	Pass
			49	22.98	-8.40	12.43	<=38.45	Pass
		25	0	21.88	-8.40	11.33	<=38.45	Pass
			13	21.90	-8.40	11.35	<=38.45	Pass
			25	21.80	-8.40	11.25	<=38.45	Pass
		50	0	21.86	-8.40	11.31	<=38.45	Pass
64QAM	829	1	0	22.08	-8.40	11.53	<=38.45	Pass
			25	22.09	-8.40	11.54	<=38.45	Pass
			49	21.88	-8.40	11.33	<=38.45	Pass
		25	0	20.93	-8.40	10.38	<=38.45	Pass
			13	20.95	-8.40	10.40	<=38.45	Pass
			25	20.90	-8.40	10.35	<=38.45	Pass
		50	0	20.96	-8.40	10.41	<=38.45	Pass
	836.5	1	0	21.21	-8.40	10.66	<=38.45	Pass
			25	21.73	-8.40	11.18	<=38.45	Pass
			49	21.56	-8.40	11.01	<=38.45	Pass
		25	0	20.87	-8.40	10.32	<=38.45	Pass
			13	20.91	-8.40	10.36	<=38.45	Pass
			25	20.88	-8.40	10.33	<=38.45	Pass
		50	0	20.87	-8.40	10.32	<=38.45	Pass
	844	1	0	21.80	-8.40	11.25	<=38.45	Pass
			25	21.91	-8.40	11.36	<=38.45	Pass
			49	21.77	-8.40	11.22	<=38.45	Pass
		25	0	20.86	-8.40	10.31	<=38.45	Pass
			13	20.84	-8.40	10.29	<=38.45	Pass
			25	20.76	-8.40	10.21	<=38.45	Pass
		50	0	20.83	-8.40	10.28	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	LV	-0.200	-0.0002	-2.5 to 2.5	Pass
					NV	1.600	0.0019	-2.5 to 2.5	Pass
					HV	-0.800	-0.0010	-2.5 to 2.5	Pass
				-30	NV	-0.500	-0.0006	-2.5 to 2.5	Pass
				-20	NV	-5.900	-0.0071	-2.5 to 2.5	Pass
				-10	NV	-4.000	-0.0048	-2.5 to 2.5	Pass
				0	NV	-0.500	-0.0006	-2.5 to 2.5	Pass
				10	NV	-4.200	-0.0050	-2.5 to 2.5	Pass
				30	NV	-2.300	-0.0027	-2.5 to 2.5	Pass
				40	NV	-3.200	-0.0038	-2.5 to 2.5	Pass
				50	NV	2.900	0.0035	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

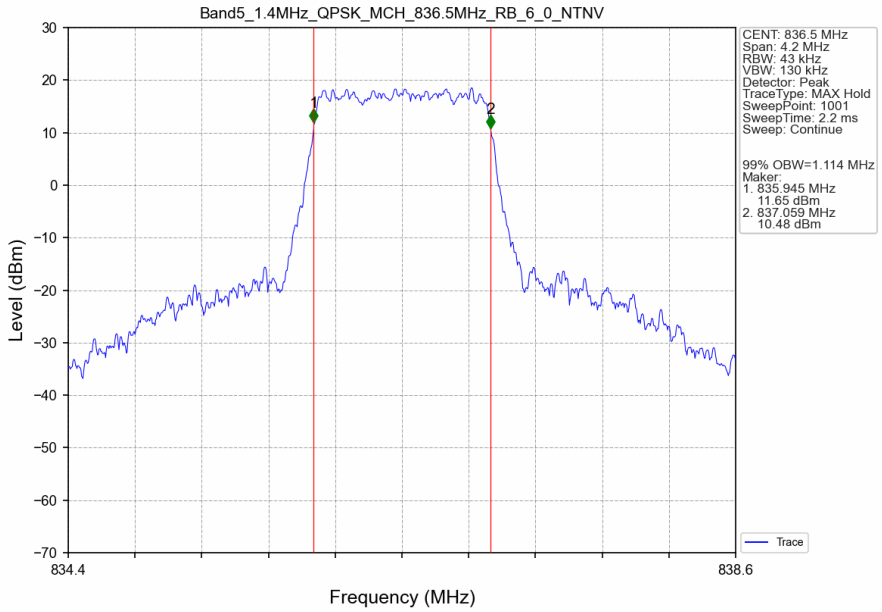
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.114	/	Pass
	16QAM	836.5	6	0	1.108	/	Pass
3	QPSK	836.5	15	0	2.718	/	Pass
	16QAM	836.5	15	0	2.720	/	Pass
5	QPSK	836.5	25	0	4.529	/	Pass
	16QAM	836.5	25	0	4.526	/	Pass
10	QPSK	836.5	50	0	9.078	/	Pass
	16QAM	836.5	50	0	9.021	/	Pass

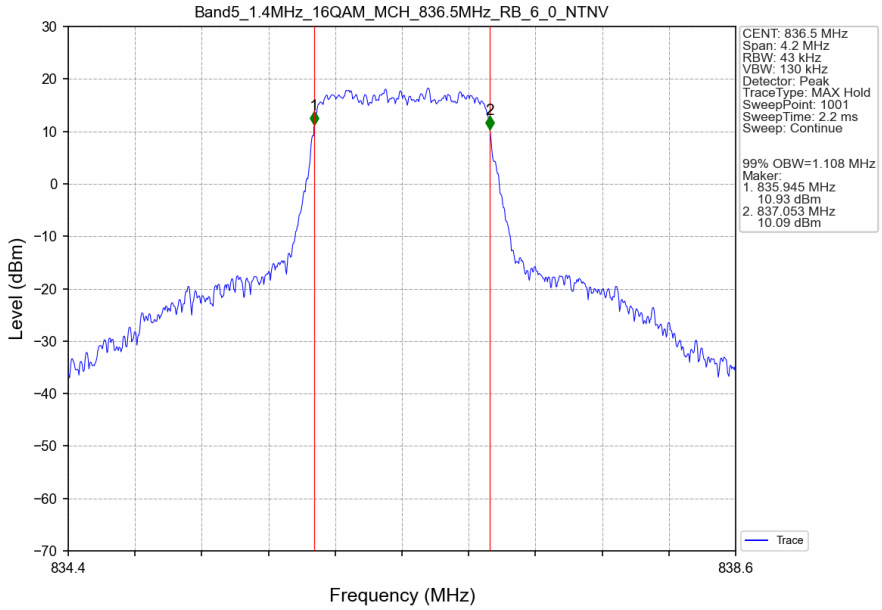
3.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.317	/	Pass
	16QAM	836.5	6	0	1.319	/	Pass
3	QPSK	836.5	15	0	3.018	/	Pass
	16QAM	836.5	15	0	3.009	/	Pass
5	QPSK	836.5	25	0	5.056	/	Pass
	16QAM	836.5	25	0	5.005	/	Pass
10	QPSK	836.5	50	0	9.946	/	Pass
	16QAM	836.5	50	0	9.864	/	Pass

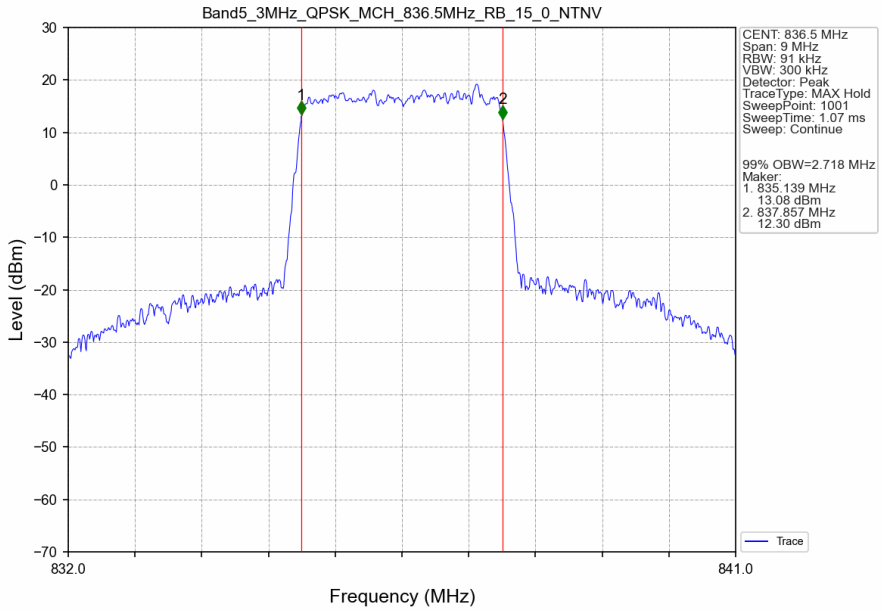
3.2 Test Graph

3.2.1 Band5_OBW

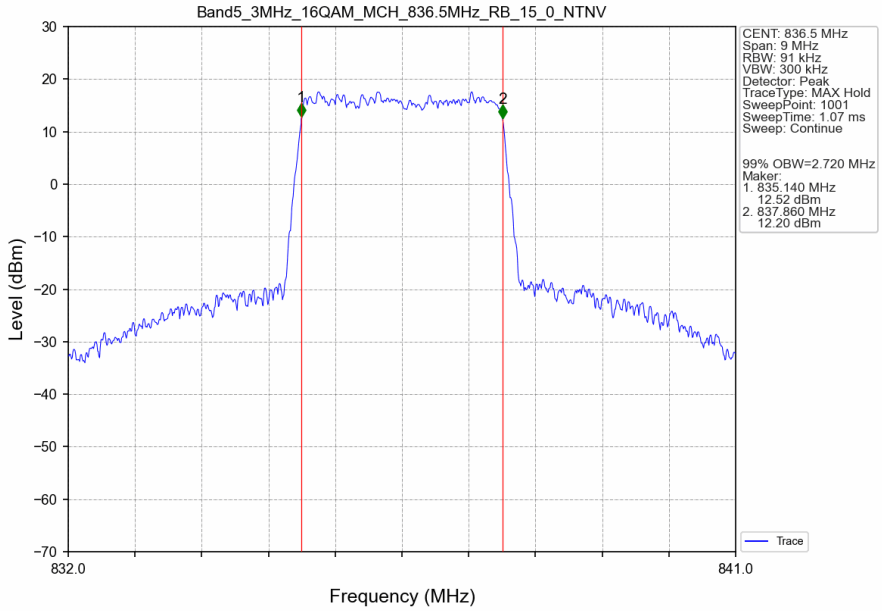
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV


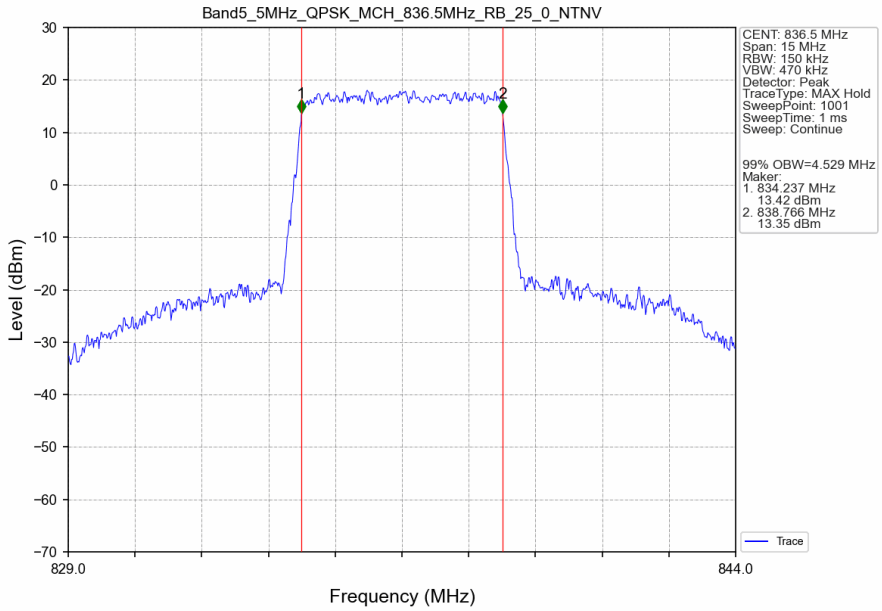
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



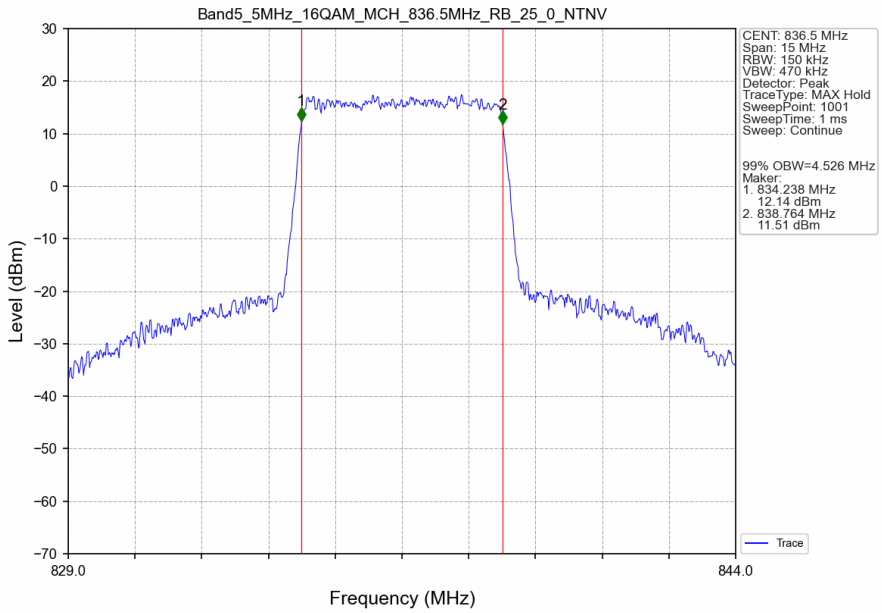
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



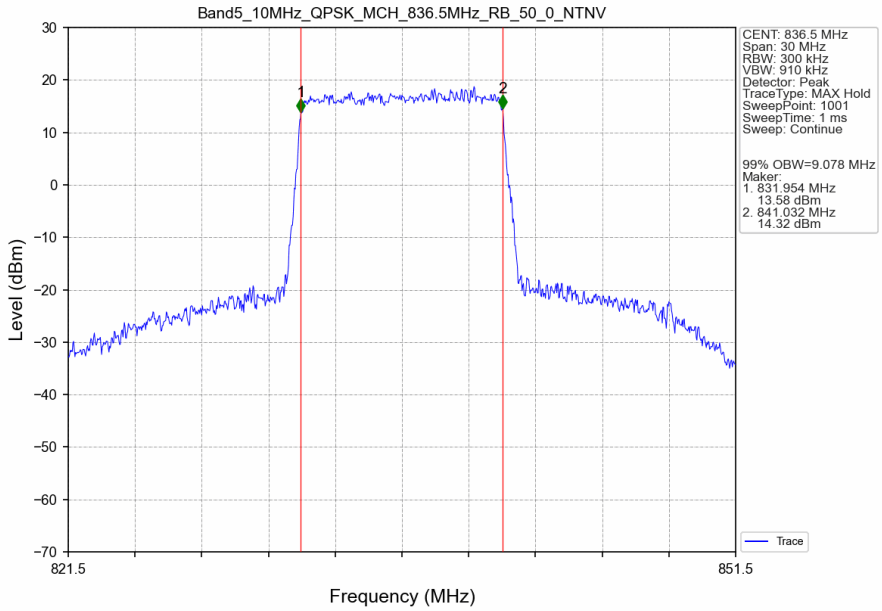
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



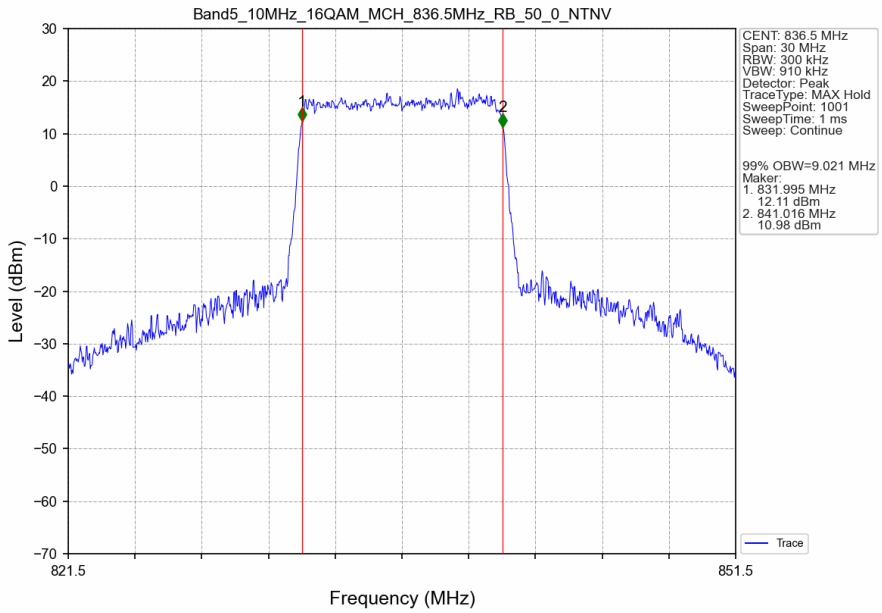
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



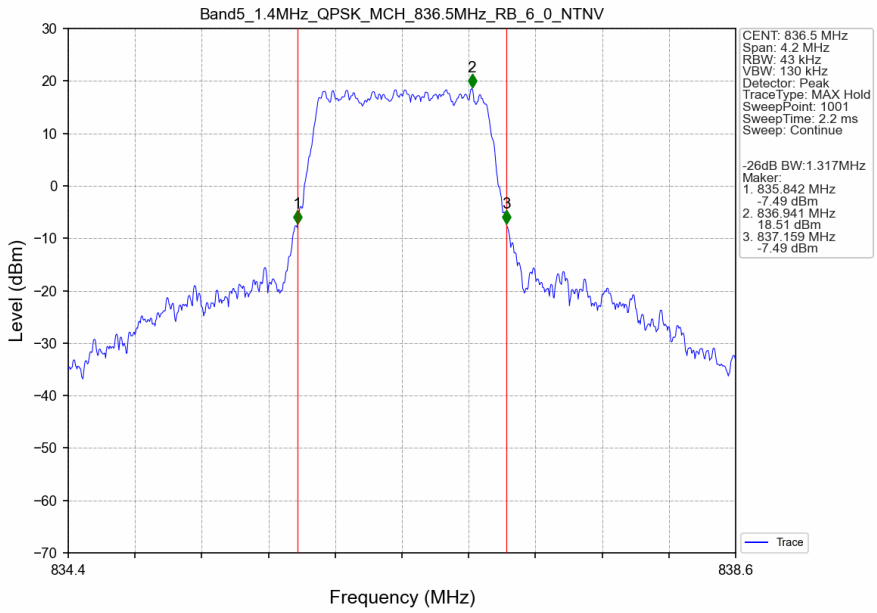
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

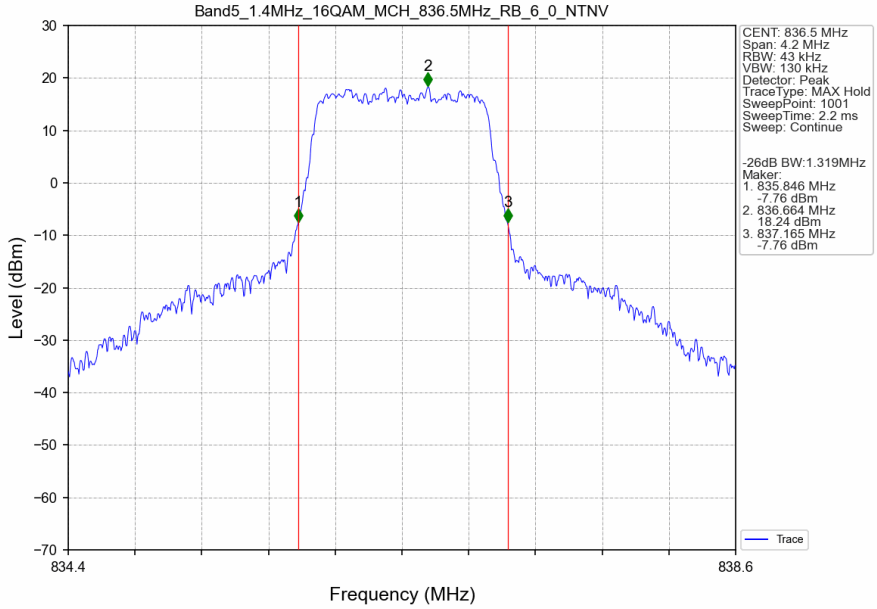


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

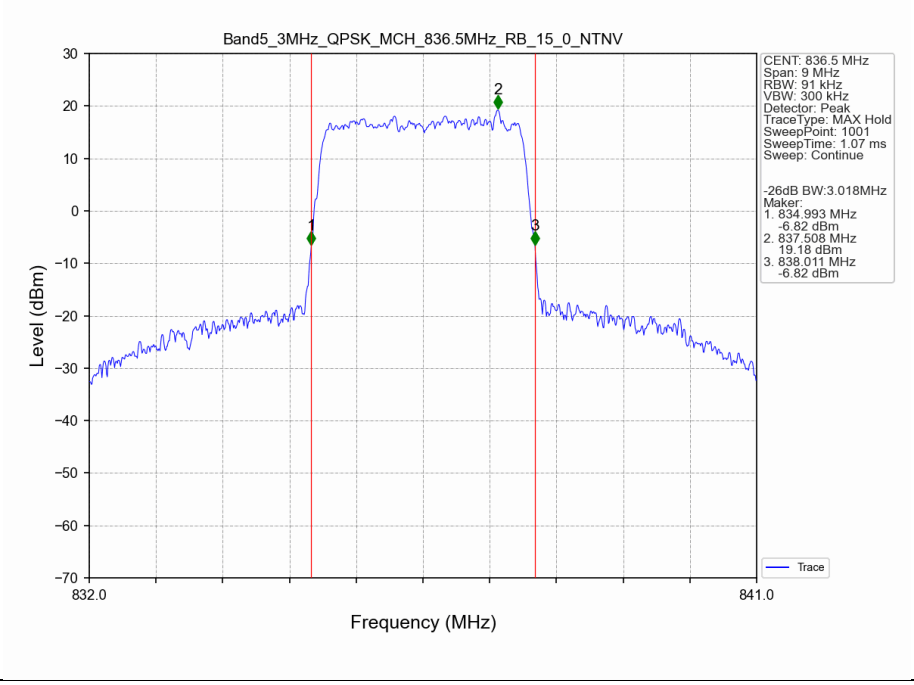


3.2.2 Band5_XDB

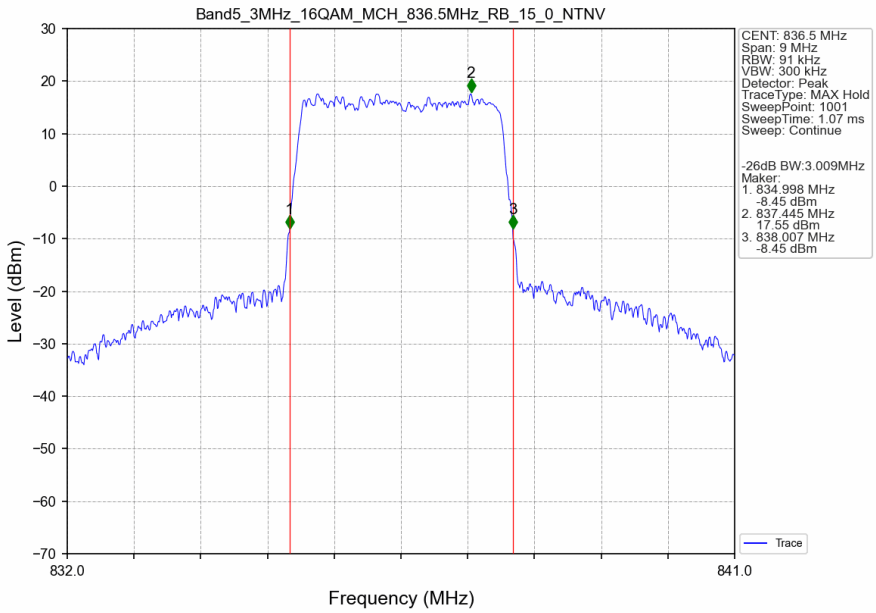
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV


Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV


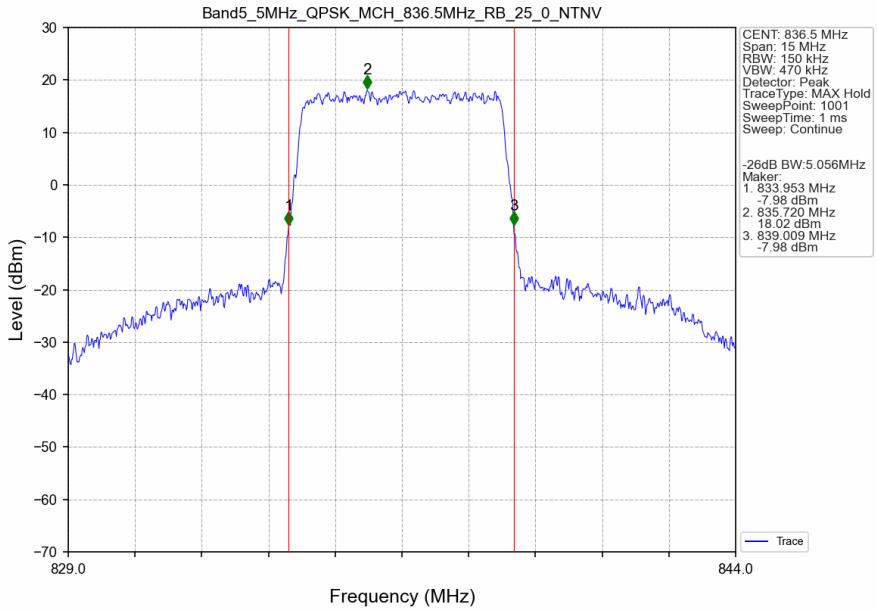
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



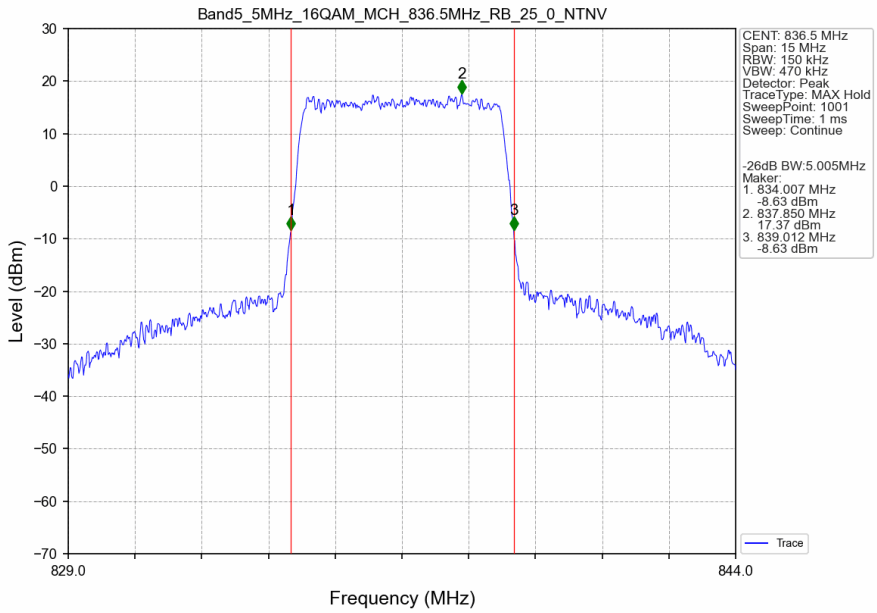
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



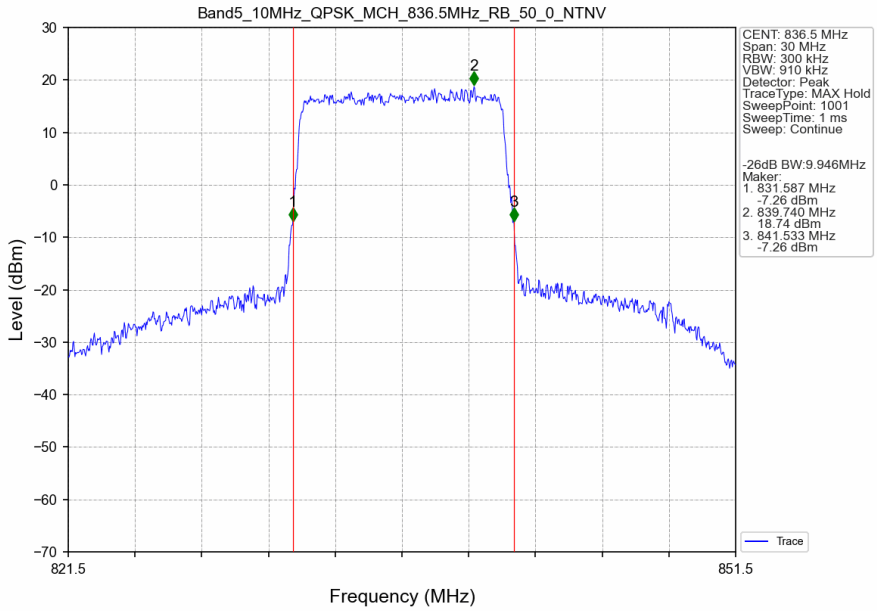
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



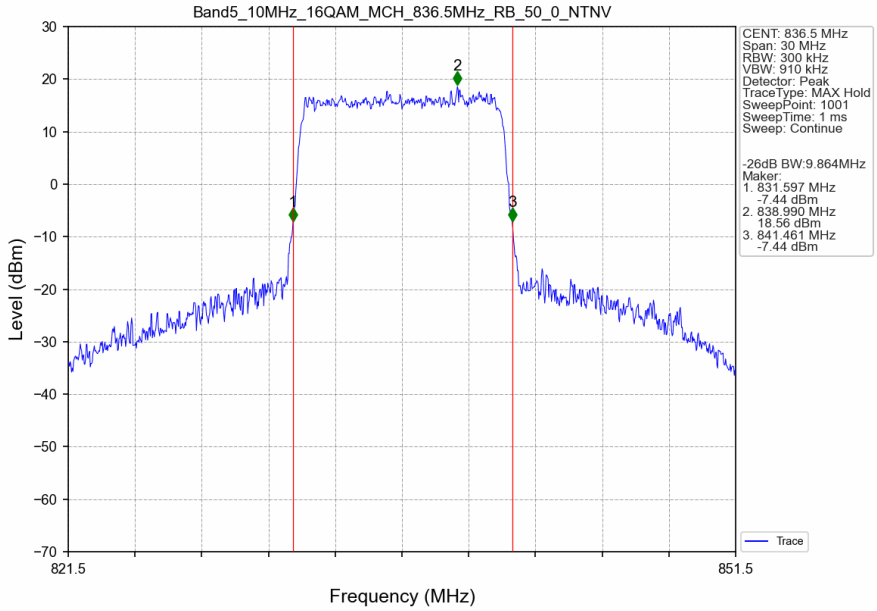
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

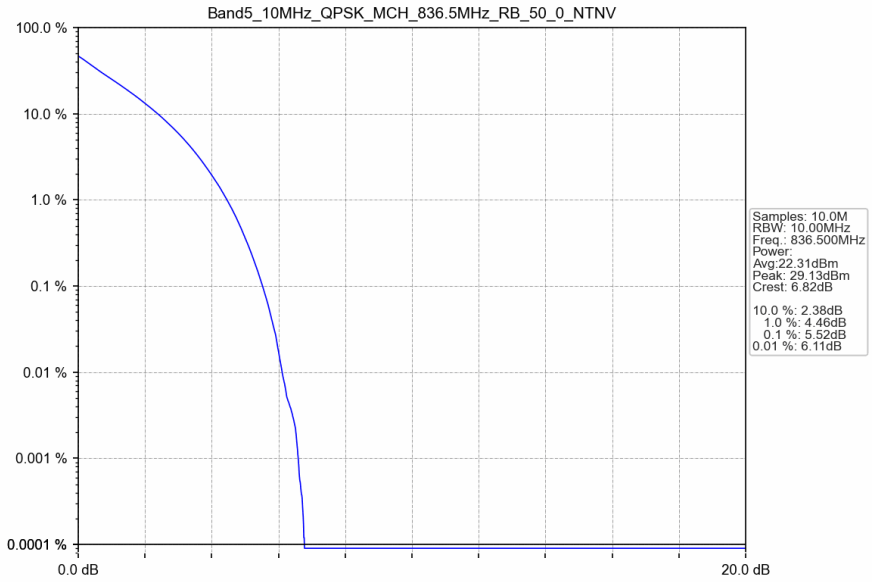
4.1 Test Result

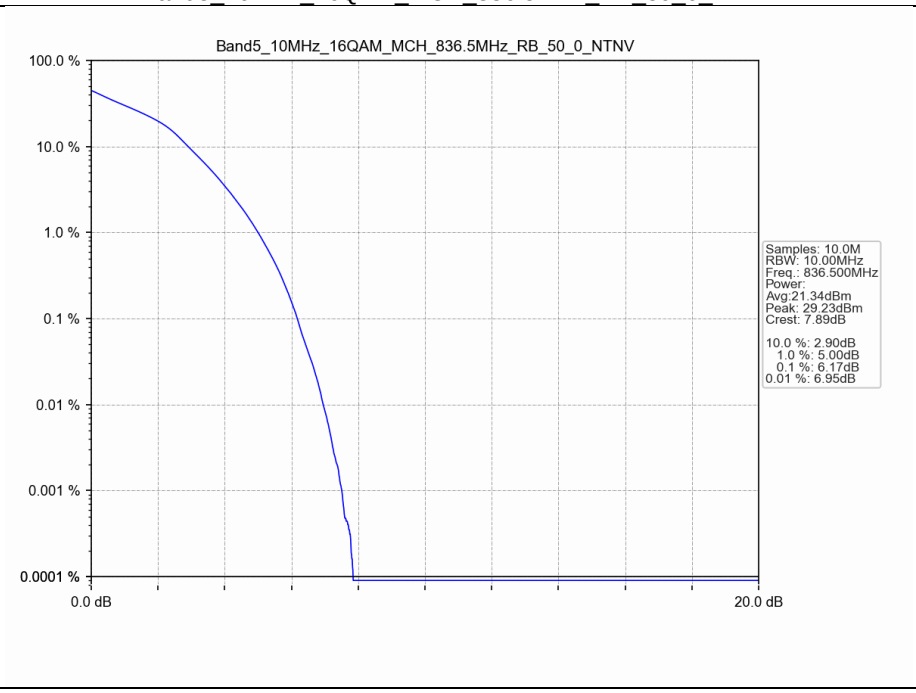
4.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.52	<=13	Pass
16QAM	836.5	50	0	6.17	<=13	Pass
64QAM	836.5	50	0	6.42	<=13	Pass

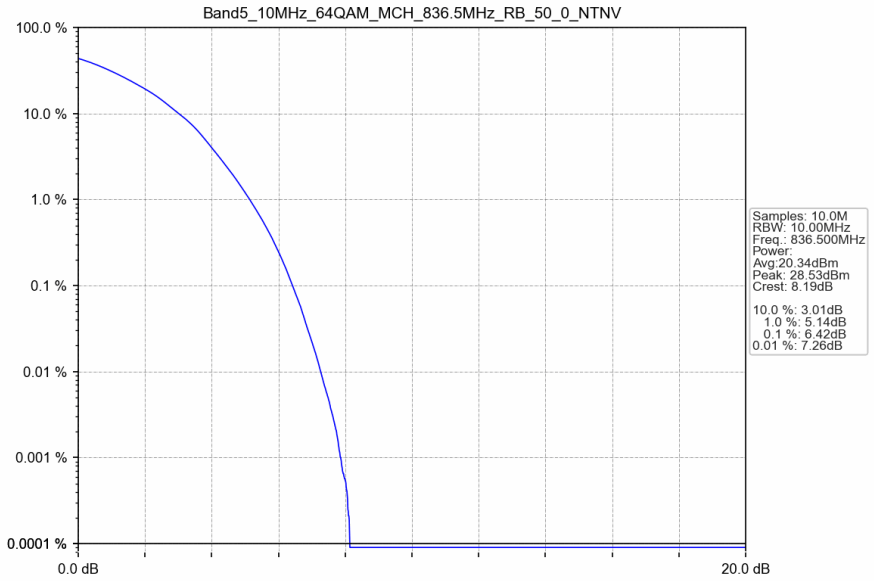
4.2 Test Graph

4.2.1 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV


Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

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 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 / 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

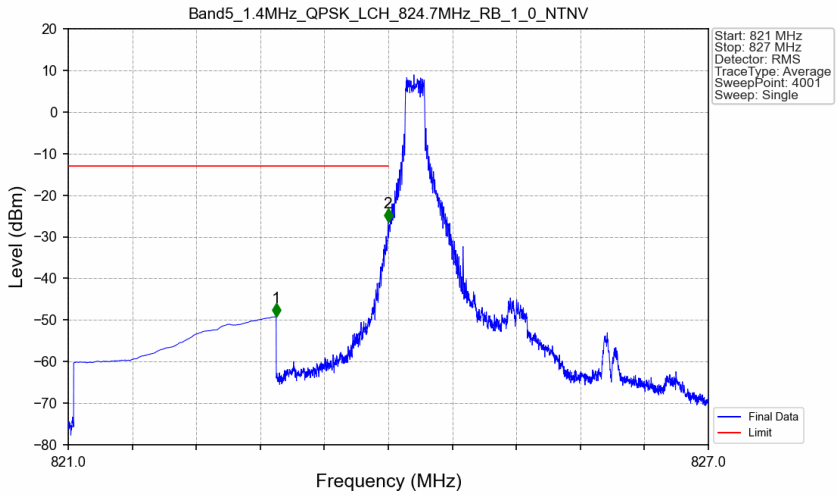
5.1.4 B5_10MHz

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

5.2 Test Graph

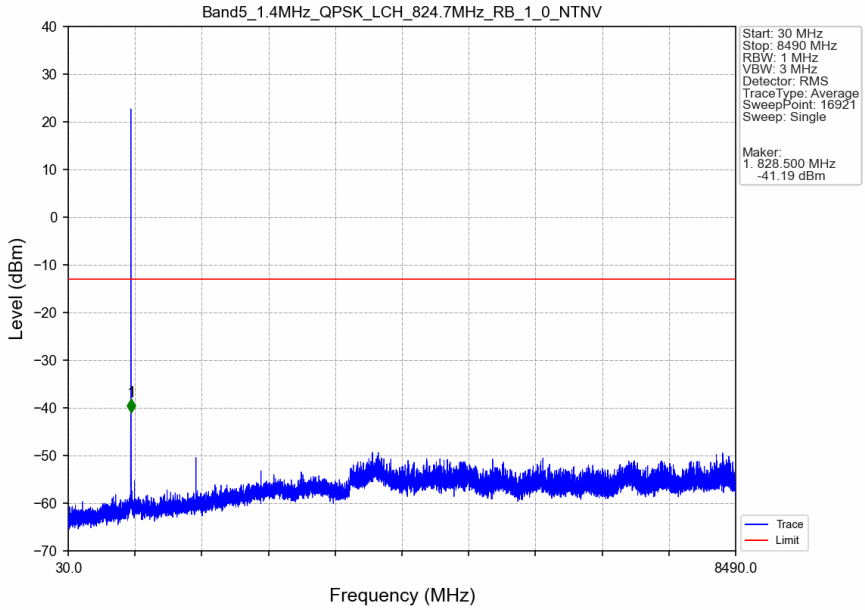
5.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

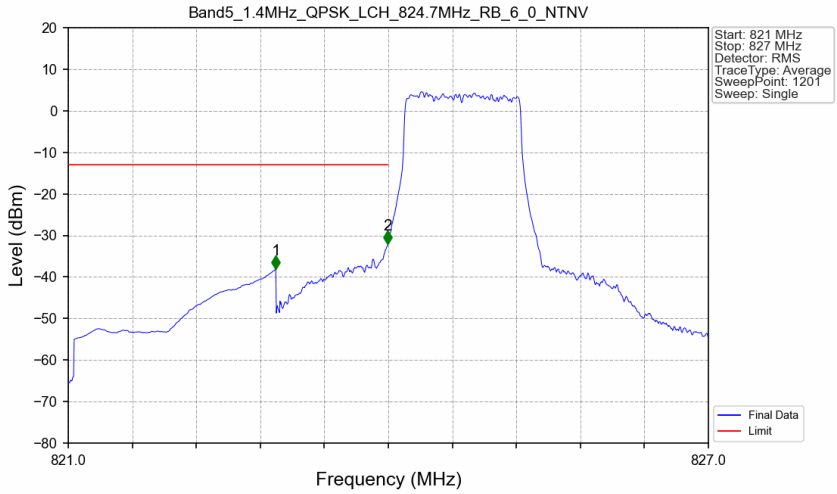


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.947	-49.18	-13	Pass
823	824	0.003	/	2	823.997	-26.34	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

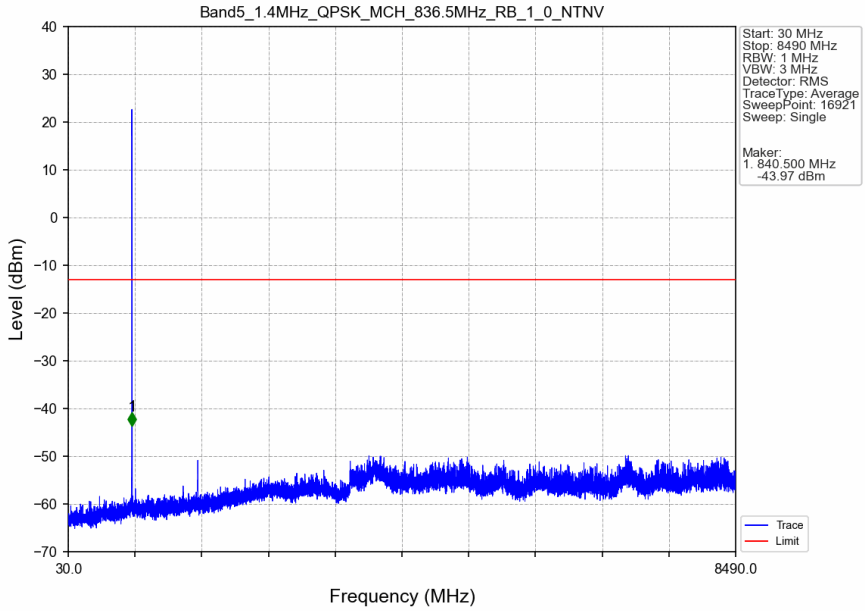


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

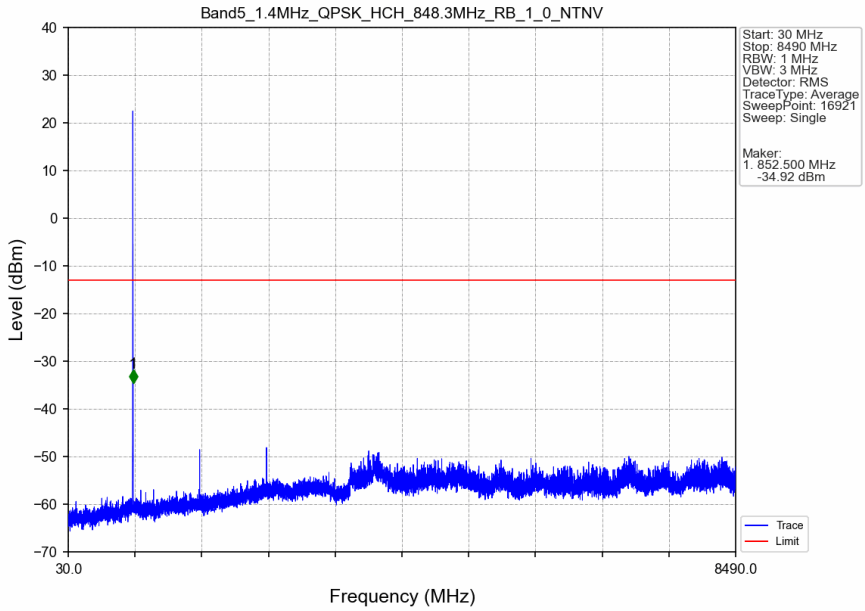


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-38.10	-13	Pass
823	824	0.013	CHP	2	823.995	-32.04	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

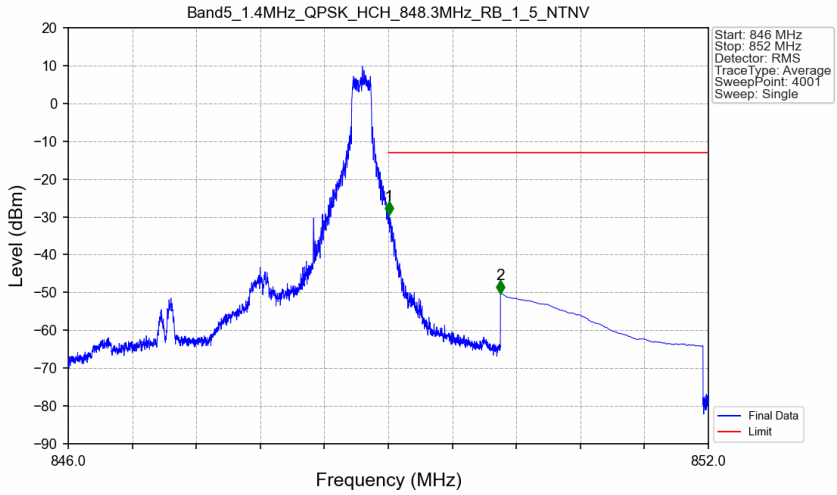
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

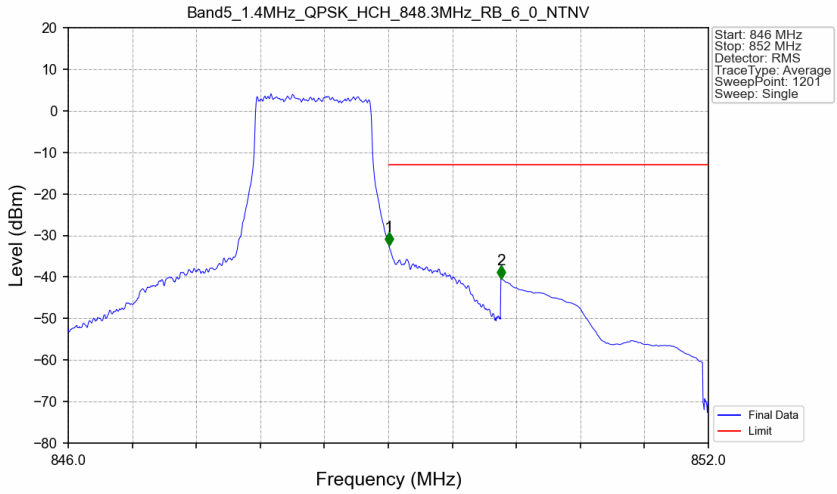


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-29.43	-13	Pass
850	852	0.1	CHP	2	850.053	-50.28	-13	Pass

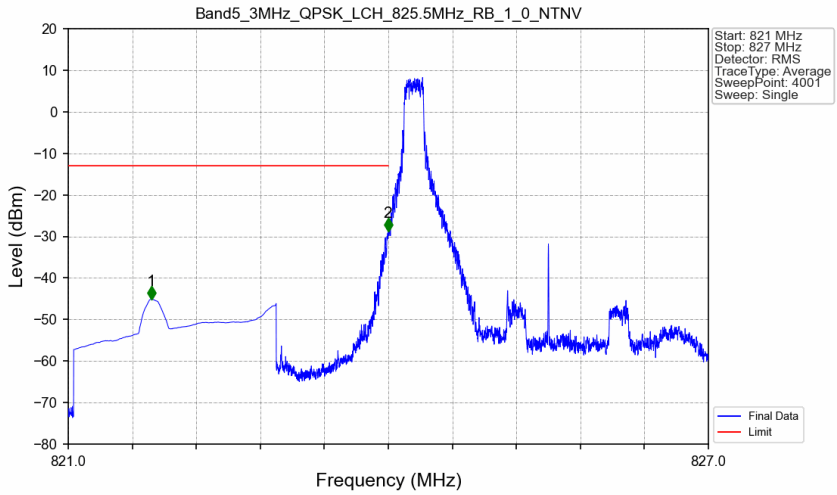
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-32.42	-13	Pass
850	852	0.1	CHP	2	850.060	-40.50	-13	Pass

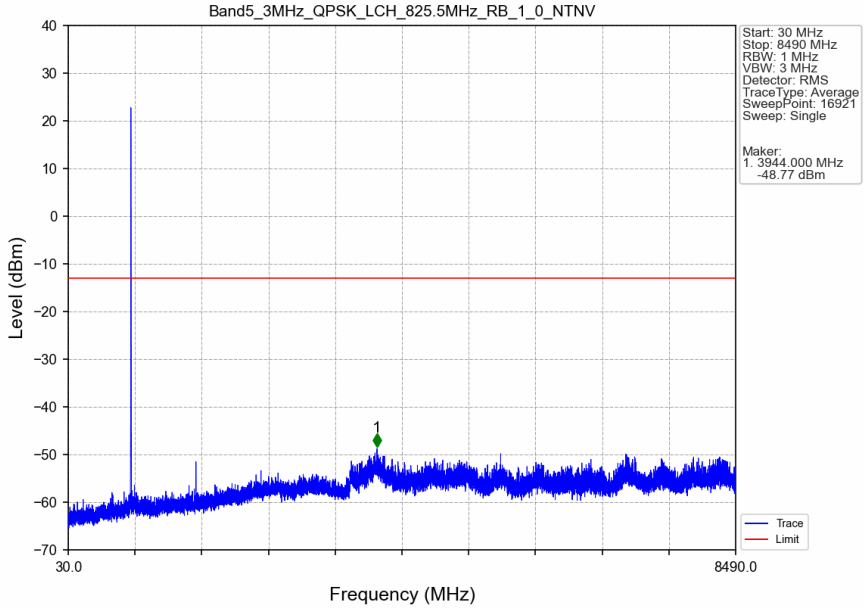
5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

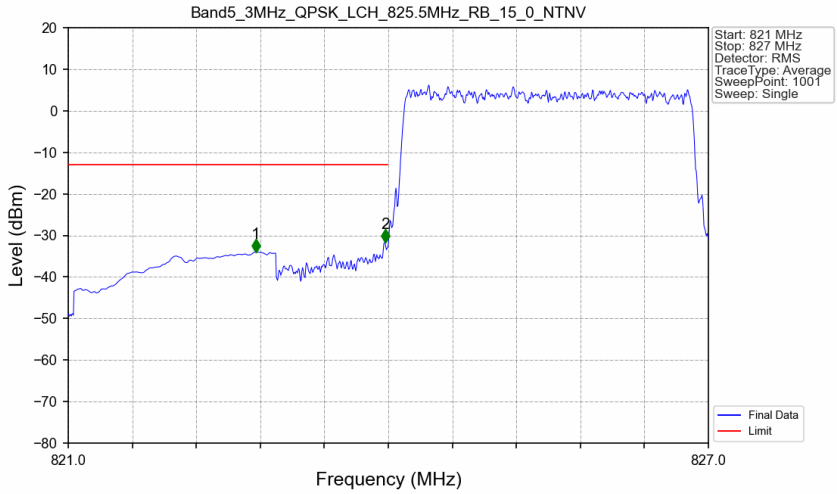


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.780	-45.08	-13	Pass
823	824	0.003	/	2	823.997	-28.70	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV

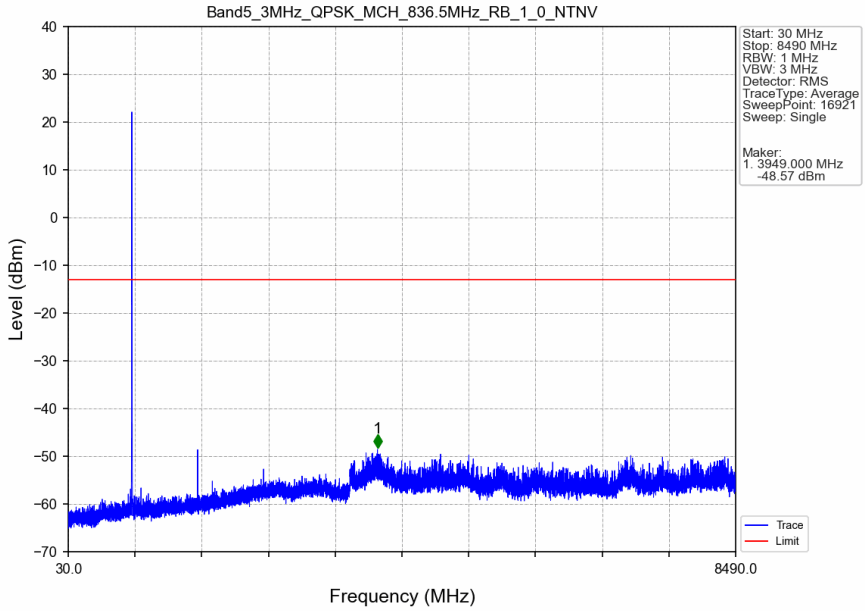


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

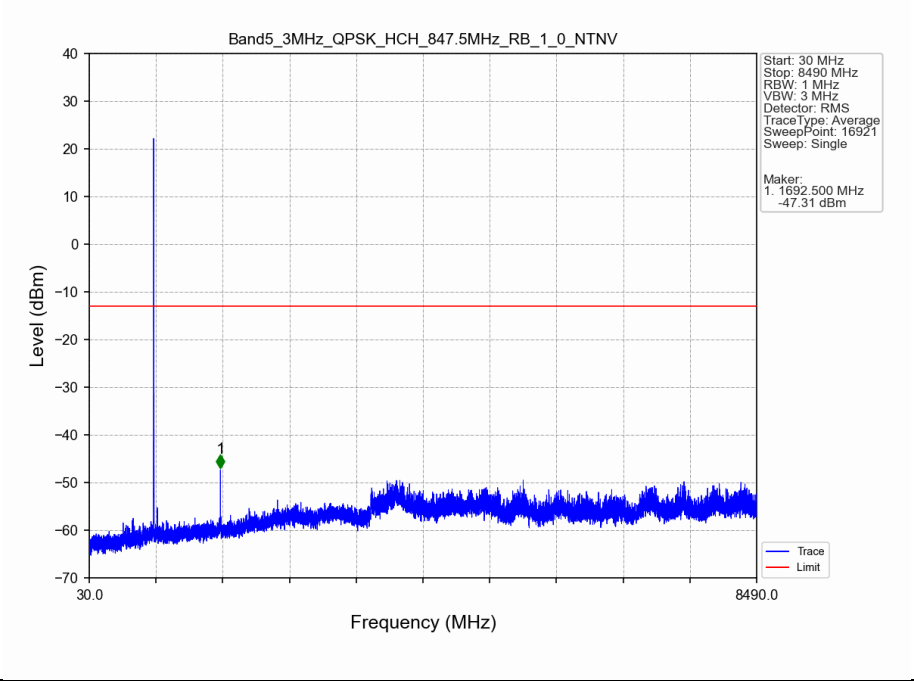


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.758	-34.01	-13	Pass
823	824	0.03	/	2	823.970	-31.63	-13	Pass
824	827	0.03	/	/	/	/	/	/

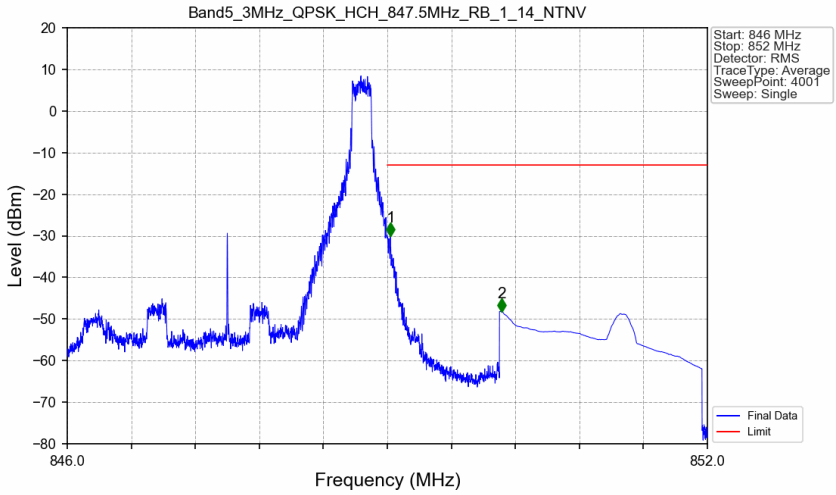
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

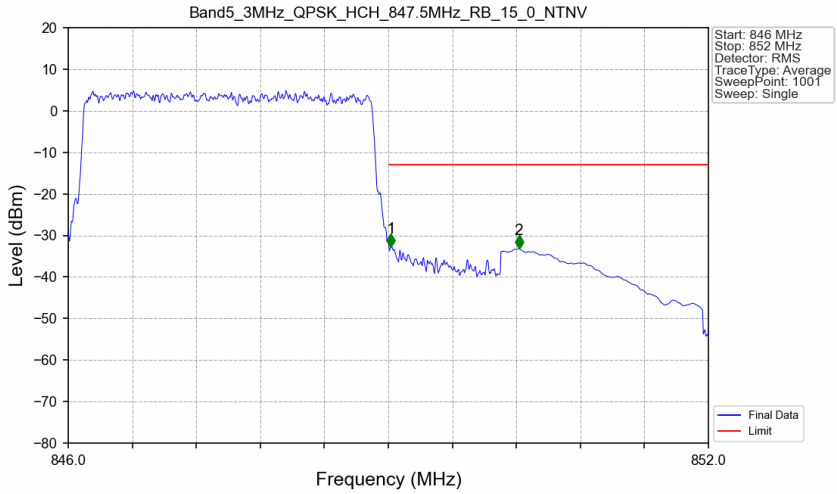


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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	849.030	-29.97	-13	Pass
850	852	0.1	CHP	2	850.072	-48.17	-13	Pass

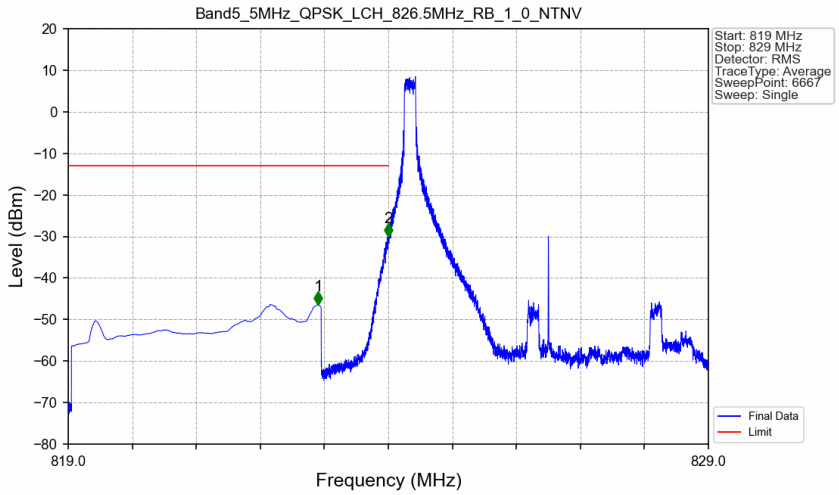
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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	-32.79	-13	Pass
850	852	0.1	CHP	2	850.224	-33.21	-13	Pass

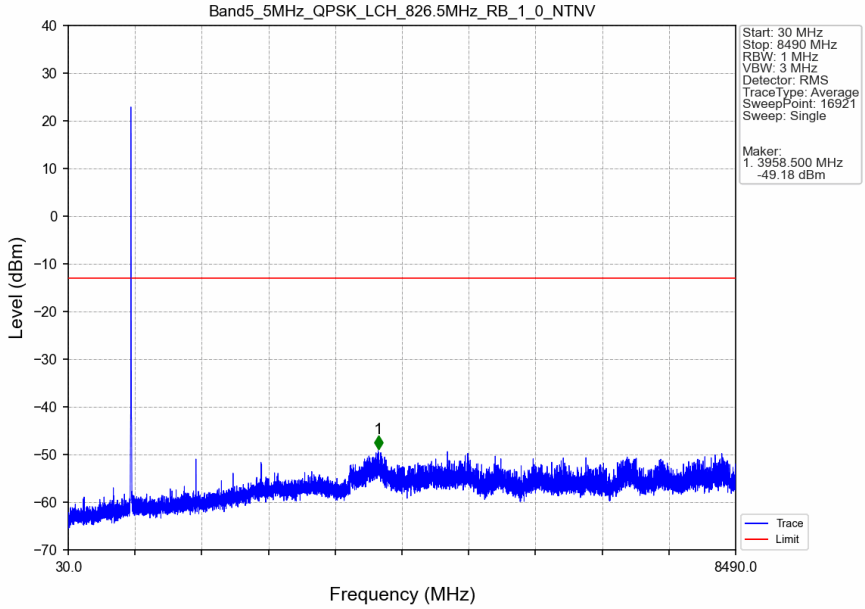
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

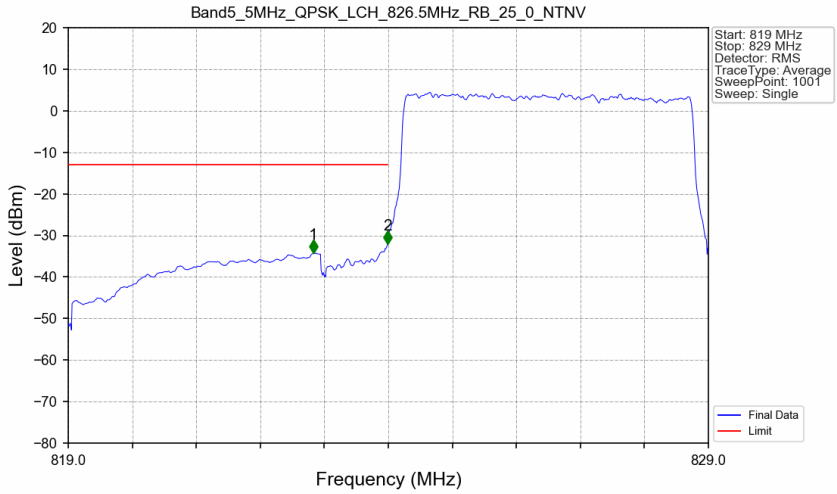


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.903	-46.35	-13	Pass
823	824	0.003	/	2	823.999	-30.11	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV

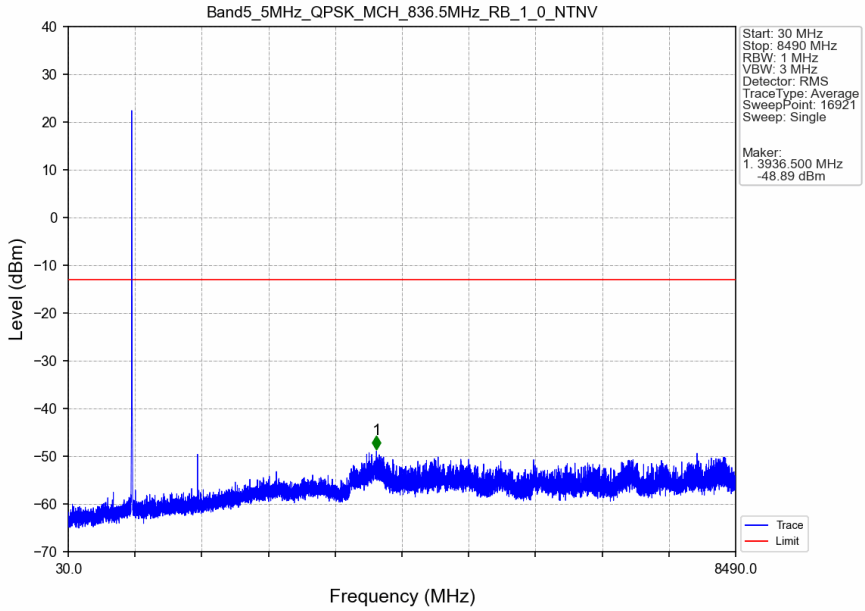


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

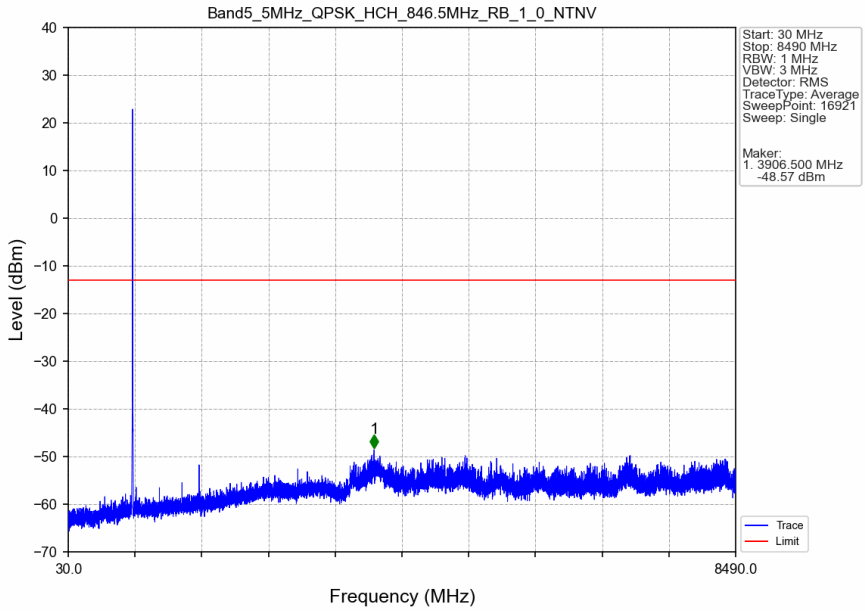


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.830	-34.30	-13	Pass
823	824	0.05	CHP	2	823.990	-32.03	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

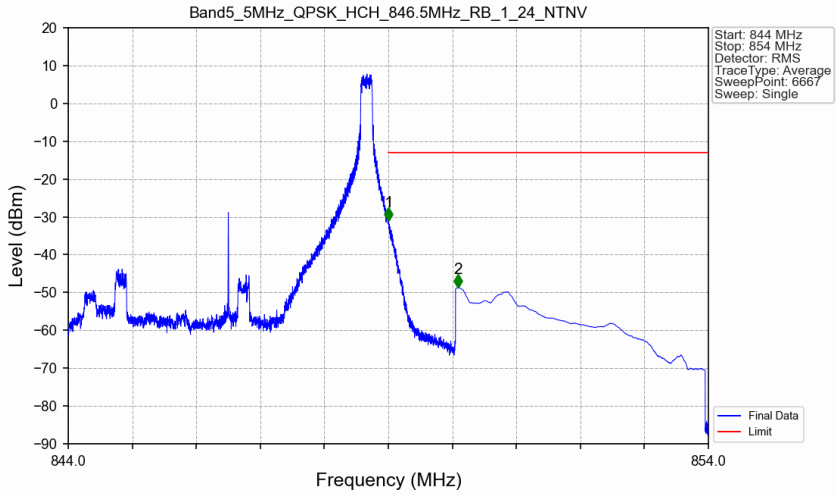
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

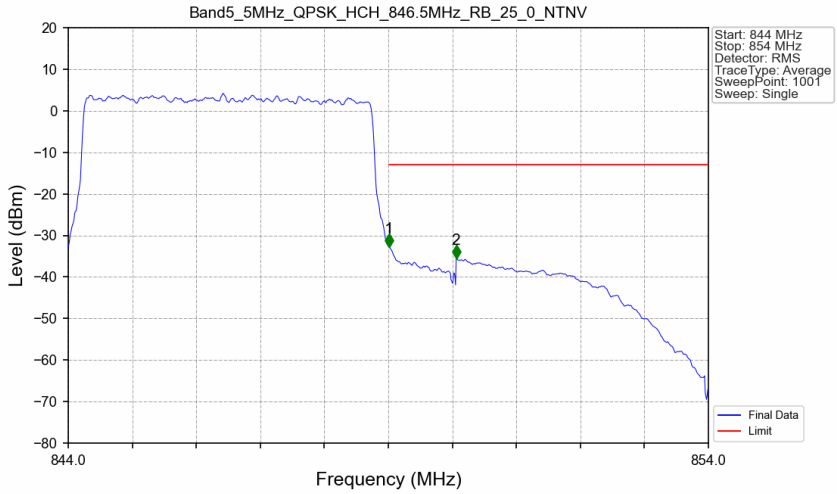


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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	849.001	-31.06	-13	Pass
850	854	0.1	CHP	2	850.091	-48.59	-13	Pass

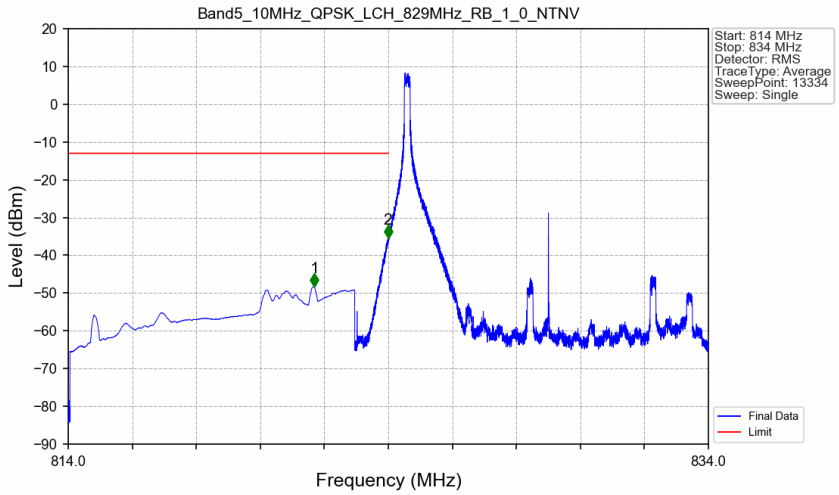
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-32.79	-13	Pass
850	854	0.1	CHP	2	850.060	-35.48	-13	Pass

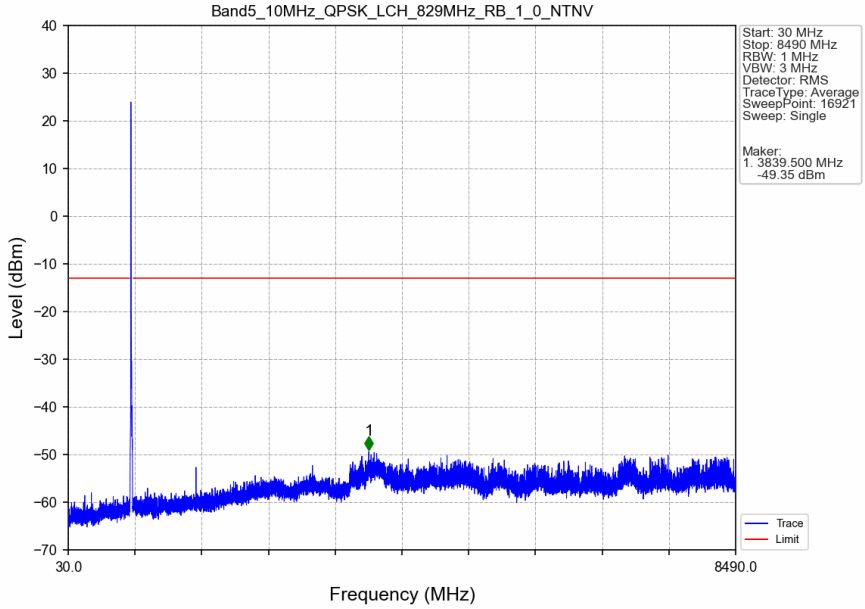
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

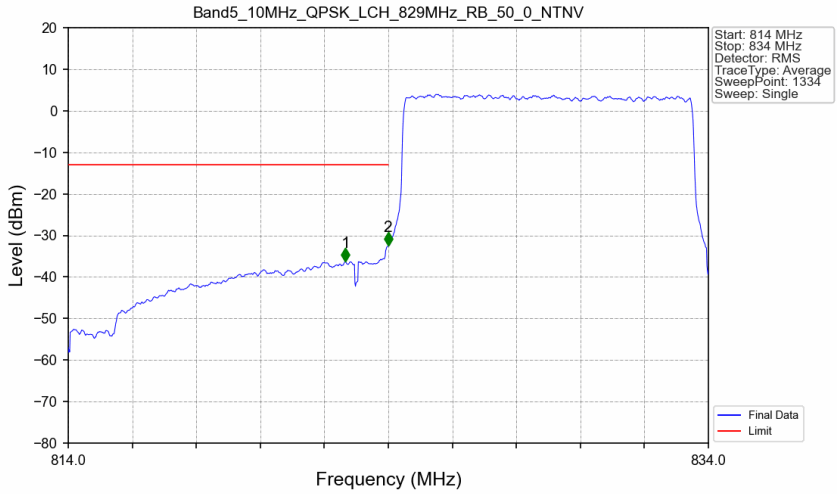


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	821.688	-48.27	-13	Pass
823	824	0.003	/	2	823.990	-35.54	-13	Pass
824	834	0.003	/	/	/	/	/	/

Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

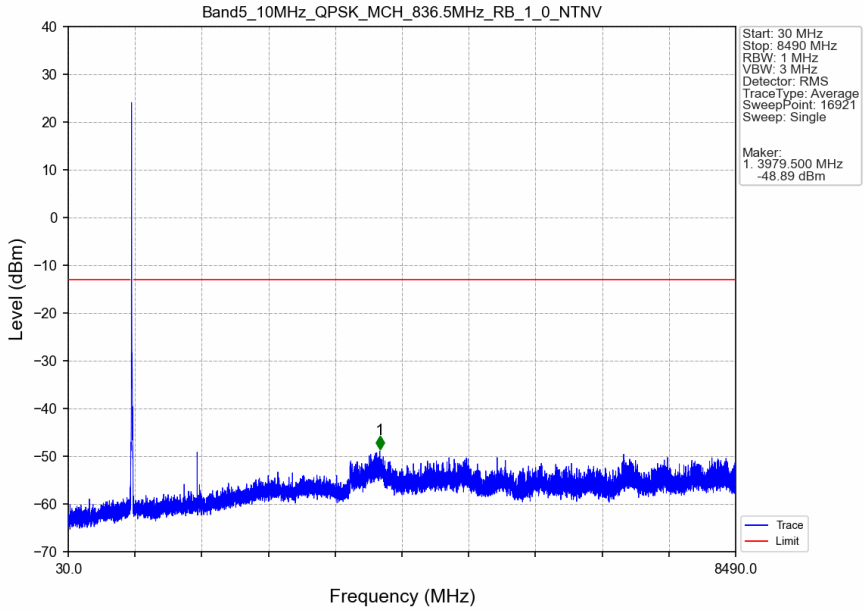


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

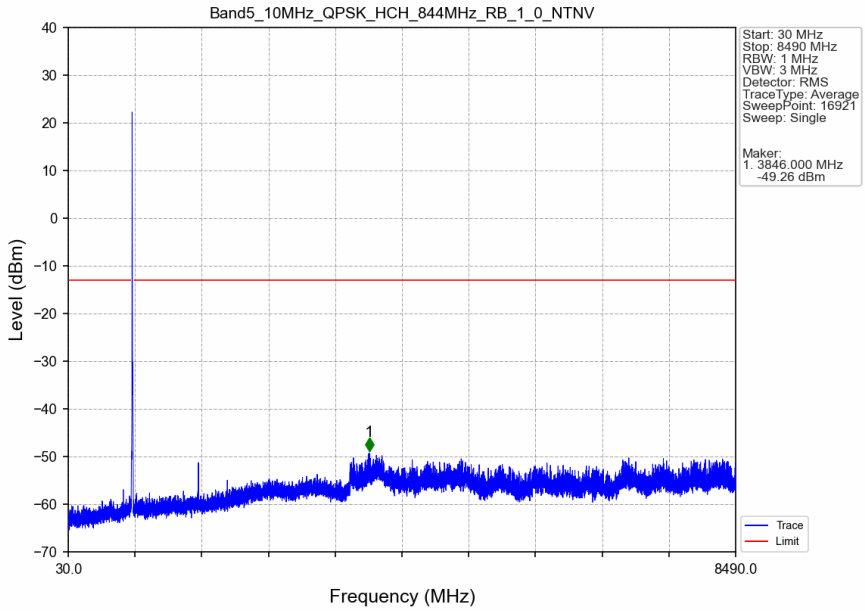


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.657	-36.22	-13	Pass
823	824	0.099	CHP	2	823.992	-32.35	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

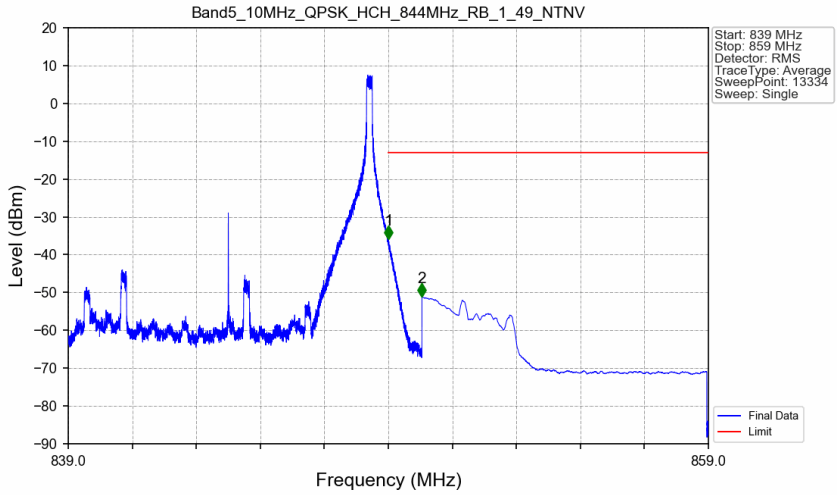
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

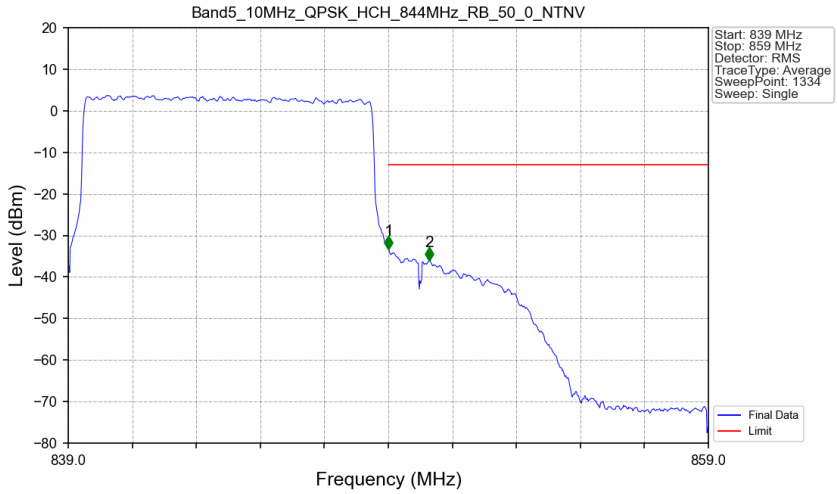


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.002	-35.92	-13	Pass
850	859	0.1	CHP	2	850.051	-51.14	-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	0.099	CHP	/	/	/	/	/
849	850	0.099	CHP	1	849.008	-33.40	-13	Pass
850	859	0.1	CHP	2	850.283	-36.10	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1649.0	-62.34	-13	-49.34	-65.22	2.62	5.5	Horizontal	Pass
2473.5	-62.52	-13	-49.52	-65.22	3.06	5.76	Horizontal	Pass
3298.0	-57.88	-13	-44.88	-62.24	3.3	7.66	Horizontal	Pass
1649.0	-64.48	-13	-51.48	-67.36	2.62	5.5	Vertical	Pass
2473.5	-60.92	-13	-47.92	-63.62	3.06	5.76	Vertical	Pass
3298.0	-58.78	-13	-45.78	-63.14	3.3	7.66	Vertical	Pass

LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1664.0	-65.3	-13	-52.3	-68.14	2.63	5.47	Horizontal	Pass
2496.0	-58.79	-13	-45.79	-61.52	3.08	5.81	Horizontal	Pass
3328.0	-57.01	-13	-44.01	-61.44	3.31	7.74	Horizontal	Pass
1664.0	-63.63	-13	-50.63	-66.47	2.63	5.47	Vertical	Pass
2496.0	-60.85	-13	-47.85	-63.58	3.08	5.81	Vertical	Pass
3328.0	-57.45	-13	-44.45	-61.88	3.31	7.74	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1679.0	-64.11	-13	-51.11	-66.91	2.63	5.43	Horizontal	Pass
2518.5	-60.57	-13	-47.57	-63.35	3.08	5.86	Horizontal	Pass
3358.0	-57.67	-13	-44.67	-62.16	3.33	7.82	Horizontal	Pass
1679.0	-64.21	-13	-51.21	-67.01	2.63	5.43	Vertical	Pass
2518.5	-60.91	-13	-47.91	-63.69	3.08	5.86	Vertical	Pass
3358.0	-56.59	-13	-43.59	-61.08	3.33	7.82	Vertical	Pass

CA_5A_7A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-53.11	-25	-28.11	-58.68	4.57	10.14	Horizontal	Pass
7503.0	-57.06	-25	-32.06	-63.86	4.94	11.74	Horizontal	Pass
10004.0	-54.65	-25	-29.65	-62.22	5.46	13.03	Horizontal	Pass
5002.0	-53.65	-25	-28.65	-59.22	4.57	10.14	Vertical	Pass
7503.0	-57.86	-25	-32.86	-64.66	4.94	11.74	Vertical	Pass
10004.0	-54.36	-25	-29.36	-61.93	5.46	13.03	Vertical	Pass

CA_5A_7A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-52.96	-25	-27.96	-58.54	4.59	10.17	Horizontal	Pass
7578.0	-57.92	-25	-32.92	-64.8	4.95	11.83	Horizontal	Pass
10104.0	-54.71	-25	-29.71	-62.28	5.48	13.05	Horizontal	Pass
5052.0	-54.31	-25	-29.31	-59.89	4.59	10.17	Vertical	Pass
7578.0	-57.83	-25	-32.83	-64.71	4.95	11.83	Vertical	Pass
10104.0	-55.92	-25	-30.92	-63.49	5.48	13.05	Vertical	Pass

CA_5A_7A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-53.07	-25	-28.07	-58.67	4.6	10.2	Horizontal	Pass
7653.0	-56.95	-25	-31.95	-63.92	4.95	11.92	Horizontal	Pass
10204.0	-53.07	-25	-28.07	-60.65	5.49	13.07	Horizontal	Pass
5102.0	-53.84	-25	-28.84	-59.44	4.6	10.2	Vertical	Pass
7653.0	-56.21	-25	-31.21	-63.18	4.95	11.92	Vertical	Pass
10204.0	-50.42	-25	-25.42	-58.0	5.49	13.07	Vertical	Pass

CA_5A_66A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-58.77	-13	-45.77	-63.39	3.36	7.98	Horizontal	Pass
5133.0	-54.7	-13	-41.7	-60.31	4.61	10.22	Horizontal	Pass
6844.0	-56.55	-13	-43.55	-62.58	4.9	10.93	Horizontal	Pass
3422.0	-58.84	-13	-45.84	-63.46	3.36	7.98	Vertical	Pass
5133.0	-55.45	-13	-42.45	-61.06	4.61	10.22	Vertical	Pass
6844.0	-56.59	-13	-43.59	-62.62	4.9	10.93	Vertical	Pass

CA_5A_66A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-58.38	-13	-45.38	-63.09	3.39	8.1	Horizontal	Pass
5208.0	-53.49	-13	-40.49	-59.12	4.64	10.27	Horizontal	Pass
6944.0	-55.74	-13	-42.74	-61.89	4.91	11.06	Horizontal	Pass
3472.0	-57.34	-13	-44.34	-62.05	3.39	8.1	Vertical	Pass
5208.0	-55.01	-13	-42.01	-60.64	4.64	10.27	Vertical	Pass
6944.0	-55.23	-13	-42.23	-61.38	4.91	11.06	Vertical	Pass

CA_5A_66A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3522.0	-55.83	-13	-42.83	-60.61	3.42	8.2	Horizontal	Pass
5283.0	-54.49	-13	-41.49	-60.15	4.66	10.32	Horizontal	Pass
7044.0	-55.86	-13	-42.86	-62.12	4.92	11.18	Horizontal	Pass
3522.0	-56.19	-13	-43.19	-60.97	3.42	8.2	Vertical	Pass
5283.0	-53.75	-13	-40.75	-59.41	4.66	10.32	Vertical	Pass
7044.0	-55.37	-13	-42.37	-61.63	4.92	11.18	Vertical	Pass