

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	24.71	3.00	25.56	<=38.45	Pass
			2	23.86	3.00	24.71	<=38.45	Pass
			5	24.48	3.00	25.33	<=38.45	Pass
		3	0	24.75	3.00	25.6	<=38.45	Pass
			2	24.26	3.00	25.11	<=38.45	Pass
			3	24.43	3.00	25.28	<=38.45	Pass
		6	0	23.69	3.00	24.54	<=38.45	Pass
	836.5	1	0	24.12	3.00	24.97	<=38.45	Pass
			2	24.26	3.00	25.11	<=38.45	Pass
			5	24.45	3.00	25.3	<=38.45	Pass
		3	0	24.44	3.00	25.29	<=38.45	Pass
			2	24.47	3.00	25.32	<=38.45	Pass
			3	24.39	3.00	25.24	<=38.45	Pass
		6	0	23.62	3.00	24.47	<=38.45	Pass
	848.3	1	0	24.12	3.00	24.97	<=38.45	Pass
			2	24.06	3.00	24.91	<=38.45	Pass
			5	24.42	3.00	25.27	<=38.45	Pass
		3	0	24.84	3.00	25.69	<=38.45	Pass
			2	24.83	3.00	25.68	<=38.45	Pass
			3	24.91	3.00	25.76	<=38.45	Pass
		6	0	23.99	3.00	24.84	<=38.45	Pass
16QAM	824.7	1	0	24.05	3.00	24.9	<=38.45	Pass
			2	23.47	3.00	24.32	<=38.45	Pass
			5	23.88	3.00	24.73	<=38.45	Pass
		3	0	23.93	3.00	24.78	<=38.45	Pass
			2	23.67	3.00	24.52	<=38.45	Pass
			3	23.94	3.00	24.79	<=38.45	Pass
		6	0	22.63	3.00	23.48	<=38.45	Pass
	836.5	1	0	24.08	3.00	24.93	<=38.45	Pass
			2	23.91	3.00	24.76	<=38.45	Pass
			5	23.91	3.00	24.76	<=38.45	Pass
		3	0	24.09	3.00	24.94	<=38.45	Pass
			2	23.70	3.00	24.55	<=38.45	Pass
			3	23.82	3.00	24.67	<=38.45	Pass
		6	0	22.38	3.00	23.23	<=38.45	Pass
	848.3	1	0	23.84	3.00	24.69	<=38.45	Pass
			2	24.38	3.00	25.23	<=38.45	Pass
			5	23.96	3.00	24.81	<=38.45	Pass
		3	0	23.67	3.00	24.52	<=38.45	Pass
			2	24.00	3.00	24.85	<=38.45	Pass
			3	23.96	3.00	24.81	<=38.45	Pass
		6	0	22.63	3.00	23.48	<=38.45	Pass
64QAM	824.7	1	0	23.47	3.00	24.32	<=38.45	Pass
			2	23.40	3.00	24.25	<=38.45	Pass
			5	23.49	3.00	24.34	<=38.45	Pass
		3	0	23.44	3.00	24.29	<=38.45	Pass
			2	23.48	3.00	24.33	<=38.45	Pass

			3	23.60	3.00	24.45	<=38.45	Pass
		6	0	22.77	3.00	23.62	<=38.45	Pass
	836.5	1	0	23.90	3.00	24.75	<=38.45	Pass
			2	23.40	3.00	24.25	<=38.45	Pass
			5	23.74	3.00	24.59	<=38.45	Pass
		3	0	23.34	3.00	24.19	<=38.45	Pass
			2	23.49	3.00	24.34	<=38.45	Pass
			3	23.82	3.00	24.67	<=38.45	Pass
		6	0	22.80	3.00	23.65	<=38.45	Pass
	848.3	1	0	24.40	3.00	25.25	<=38.45	Pass
			2	23.66	3.00	24.51	<=38.45	Pass
			5	23.27	3.00	24.12	<=38.45	Pass
		3	0	23.73	3.00	24.58	<=38.45	Pass
			2	23.45	3.00	24.3	<=38.45	Pass
			3	23.88	3.00	24.73	<=38.45	Pass
	6	0	22.90	3.00	23.75	<=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	24.40	3.00	25.25	<=38.45	Pass
			7	24.45	3.00	25.3	<=38.45	Pass
			14	24.60	3.00	25.45	<=38.45	Pass
		8	0	23.89	3.00	24.74	<=38.45	Pass
			4	23.85	3.00	24.7	<=38.45	Pass
			7	23.77	3.00	24.62	<=38.45	Pass
		15	0	23.81	3.00	24.66	<=38.45	Pass
	836.5	1	0	24.04	3.00	24.89	<=38.45	Pass
			7	24.50	3.00	25.35	<=38.45	Pass
			14	24.08	3.00	24.93	<=38.45	Pass
		8	0	23.87	3.00	24.72	<=38.45	Pass
			4	23.93	3.00	24.78	<=38.45	Pass
			7	23.82	3.00	24.67	<=38.45	Pass
		15	0	23.88	3.00	24.73	<=38.45	Pass
	847.5	1	0	24.61	3.00	25.46	<=38.45	Pass
			7	24.78	3.00	25.63	<=38.45	Pass
			14	24.12	3.00	24.97	<=38.45	Pass
		8	0	23.85	3.00	24.7	<=38.45	Pass
			4	23.93	3.00	24.78	<=38.45	Pass
			7	23.86	3.00	24.71	<=38.45	Pass
		15	0	23.88	3.00	24.73	<=38.45	Pass
16QAM	825.5	1	0	23.57	3.00	24.42	<=38.45	Pass
			7	23.79	3.00	24.64	<=38.45	Pass
			14	23.40	3.00	24.25	<=38.45	Pass
		8	0	22.99	3.00	23.84	<=38.45	Pass
			4	22.87	3.00	23.72	<=38.45	Pass
			7	22.82	3.00	23.67	<=38.45	Pass
		15	0	22.92	3.00	23.77	<=38.45	Pass
	836.5	1	0	23.99	3.00	24.84	<=38.45	Pass
			7	23.95	3.00	24.8	<=38.45	Pass
			14	23.70	3.00	24.55	<=38.45	Pass
		8	0	22.97	3.00	23.82	<=38.45	Pass
			4	22.99	3.00	23.84	<=38.45	Pass
			7	22.95	3.00	23.8	<=38.45	Pass

64QAM	847.5	15	0	22.92	3.00	23.77	<=38.45	Pass
		1	0	22.56	3.00	23.41	<=38.45	Pass
			7	23.84	3.00	24.69	<=38.45	Pass
			14	23.56	3.00	24.41	<=38.45	Pass
			0	23.11	3.00	23.96	<=38.45	Pass
		8	4	23.02	3.00	23.87	<=38.45	Pass
			7	22.95	3.00	23.8	<=38.45	Pass
		15	0	22.96	3.00	23.81	<=38.45	Pass
	825.5	1	0	23.75	3.00	24.6	<=38.45	Pass
			7	23.96	3.00	24.81	<=38.45	Pass
			14	23.59	3.00	24.44	<=38.45	Pass
		8	0	22.73	3.00	23.58	<=38.45	Pass
			4	22.91	3.00	23.76	<=38.45	Pass
			7	22.71	3.00	23.56	<=38.45	Pass
		15	0	22.82	3.00	23.67	<=38.45	Pass
836.5		1	0	23.53	3.00	24.38	<=38.45	Pass
			7	23.91	3.00	24.76	<=38.45	Pass
			14	23.69	3.00	24.54	<=38.45	Pass
	8	0	22.88	3.00	23.73	<=38.45	Pass	
		4	22.86	3.00	23.71	<=38.45	Pass	
		7	22.45	3.00	23.3	<=38.45	Pass	
15	0	22.93	3.00	23.78	<=38.45	Pass		
847.5	1	0	23.43	3.00	24.28	<=38.45	Pass	
		7	23.75	3.00	24.6	<=38.45	Pass	
		14	23.68	3.00	24.53	<=38.45	Pass	
	8	0	22.73	3.00	23.58	<=38.45	Pass	
		4	22.97	3.00	23.82	<=38.45	Pass	
		7	22.87	3.00	23.72	<=38.45	Pass	
	15	0	22.61	3.00	23.46	<=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	24.19	3.00	25.04	<=38.45	Pass
			13	24.70	3.00	25.55	<=38.45	Pass
			24	24.08	3.00	24.93	<=38.45	Pass
		12	0	23.88	3.00	24.73	<=38.45	Pass
			6	23.91	3.00	24.76	<=38.45	Pass
			13	23.74	3.00	24.59	<=38.45	Pass
		25	0	23.85	3.00	24.7	<=38.45	Pass
	836.5	1	0	24.35	3.00	25.2	<=38.45	Pass
			13	24.32	3.00	25.17	<=38.45	Pass
			24	24.18	3.00	25.03	<=38.45	Pass
		12	0	23.89	3.00	24.74	<=38.45	Pass
			6	23.84	3.00	24.69	<=38.45	Pass
			13	23.84	3.00	24.69	<=38.45	Pass
		25	0	23.80	3.00	24.65	<=38.45	Pass
	846.5	1	0	24.79	3.00	25.64	<=38.45	Pass
			13	25.00	3.00	25.85	<=38.45	Pass
			24	24.95	3.00	25.8	<=38.45	Pass
		12	0	23.97	3.00	24.82	<=38.45	Pass
			6	23.84	3.00	24.69	<=38.45	Pass
			13	23.89	3.00	24.74	<=38.45	Pass
		25	0	23.87	3.00	24.72	<=38.45	Pass

16QAM	826.5	1	0	23.86	3.00	24.71	<=38.45	Pass
			13	24.07	3.00	24.92	<=38.45	Pass
			24	23.88	3.00	24.73	<=38.45	Pass
		12	0	22.85	3.00	23.7	<=38.45	Pass
			6	22.81	3.00	23.66	<=38.45	Pass
			13	22.84	3.00	23.69	<=38.45	Pass
		25	0	22.85	3.00	23.7	<=38.45	Pass
	836.5	1	0	24.15	3.00	25	<=38.45	Pass
			13	23.69	3.00	24.54	<=38.45	Pass
			24	24.07	3.00	24.92	<=38.45	Pass
		12	0	22.90	3.00	23.75	<=38.45	Pass
			6	22.40	3.00	23.25	<=38.45	Pass
			13	22.88	3.00	23.73	<=38.45	Pass
		25	0	22.81	3.00	23.66	<=38.45	Pass
	846.5	1	0	24.15	3.00	25	<=38.45	Pass
			13	24.14	3.00	24.99	<=38.45	Pass
			24	23.95	3.00	24.8	<=38.45	Pass
		12	0	22.92	3.00	23.77	<=38.45	Pass
			6	22.89	3.00	23.74	<=38.45	Pass
			13	22.89	3.00	23.74	<=38.45	Pass
		25	0	22.85	3.00	23.7	<=38.45	Pass
64QAM	826.5	1	0	23.67	3.00	24.52	<=38.45	Pass
			13	23.78	3.00	24.63	<=38.45	Pass
			24	23.52	3.00	24.37	<=38.45	Pass
		12	0	22.86	3.00	23.71	<=38.45	Pass
			6	22.73	3.00	23.58	<=38.45	Pass
			13	22.86	3.00	23.71	<=38.45	Pass
		25	0	22.85	3.00	23.7	<=38.45	Pass
	836.5	1	0	23.72	3.00	24.57	<=38.45	Pass
			13	23.88	3.00	24.73	<=38.45	Pass
			24	23.50	3.00	24.35	<=38.45	Pass
		12	0	22.62	3.00	23.47	<=38.45	Pass
			6	22.55	3.00	23.4	<=38.45	Pass
			13	22.91	3.00	23.76	<=38.45	Pass
		25	0	22.85	3.00	23.7	<=38.45	Pass
	846.5	1	0	23.70	3.00	24.55	<=38.45	Pass
			13	24.00	3.00	24.85	<=38.45	Pass
			24	23.72	3.00	24.57	<=38.45	Pass
		12	0	23.00	3.00	23.85	<=38.45	Pass
			6	22.85	3.00	23.7	<=38.45	Pass
			13	22.87	3.00	23.72	<=38.45	Pass
		25	0	22.80	3.00	23.65	<=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	24.89	3.00	25.74	<=38.45	Pass
			25	24.28	3.00	25.13	<=38.45	Pass
			49	23.95	3.00	24.8	<=38.45	Pass
		25	0	23.81	3.00	24.66	<=38.45	Pass
			13	23.89	3.00	24.74	<=38.45	Pass
			25	23.79	3.00	24.64	<=38.45	Pass
		50	0	23.91	3.00	24.76	<=38.45	Pass
	836.5	1	0	24.38	3.00	25.23	<=38.45	Pass

			25	24.31	3.00	25.16	<=38.45	Pass	
			49	24.11	3.00	24.96	<=38.45	Pass	
			0	23.89	3.00	24.74	<=38.45	Pass	
		25	13	23.88	3.00	24.73	<=38.45	Pass	
			25	23.89	3.00	24.74	<=38.45	Pass	
			50	0	23.89	3.00	24.74	<=38.45	Pass
	844	1	0	24.90	3.00	25.75	<=38.45	Pass	
			25	24.76	3.00	25.61	<=38.45	Pass	
			49	24.17	3.00	25.02	<=38.45	Pass	
		25	0	23.80	3.00	24.65	<=38.45	Pass	
			13	23.99	3.00	24.84	<=38.45	Pass	
			25	23.93	3.00	24.78	<=38.45	Pass	
	50	0	23.93	3.00	24.78	<=38.45	Pass		
	16QAM	829	1	0	23.76	3.00	24.61	<=38.45	Pass
25				24.27	3.00	25.12	<=38.45	Pass	
49				23.85	3.00	24.7	<=38.45	Pass	
25			0	22.82	3.00	23.67	<=38.45	Pass	
			13	22.95	3.00	23.8	<=38.45	Pass	
			25	22.93	3.00	23.78	<=38.45	Pass	
50			0	22.90	3.00	23.75	<=38.45	Pass	
836.5			1	0	23.92	3.00	24.77	<=38.45	Pass
				25	24.04	3.00	24.89	<=38.45	Pass
		49		23.67	3.00	24.52	<=38.45	Pass	
		25	0	22.91	3.00	23.76	<=38.45	Pass	
			13	22.86	3.00	23.71	<=38.45	Pass	
			25	22.98	3.00	23.83	<=38.45	Pass	
			50	0	22.81	3.00	23.66	<=38.45	Pass
844		1	0	24.01	3.00	24.86	<=38.45	Pass	
			25	23.85	3.00	24.7	<=38.45	Pass	
			49	23.89	3.00	24.74	<=38.45	Pass	
		25	0	22.93	3.00	23.78	<=38.45	Pass	
			13	23.04	3.00	23.89	<=38.45	Pass	
			25	23.00	3.00	23.85	<=38.45	Pass	
		50	0	22.94	3.00	23.79	<=38.45	Pass	
		64QAM	829	1	0	23.70	3.00	24.55	<=38.45
25					23.60	3.00	24.45	<=38.45	Pass
49					23.39	3.00	24.24	<=38.45	Pass
25	0			22.85	3.00	23.7	<=38.45	Pass	
	13			22.95	3.00	23.8	<=38.45	Pass	
	25			22.89	3.00	23.74	<=38.45	Pass	
50	0			22.86	3.00	23.71	<=38.45	Pass	
836.5	1			0	22.37	3.00	23.22	<=38.45	Pass
				25	23.64	3.00	24.49	<=38.45	Pass
			49	23.85	3.00	24.7	<=38.45	Pass	
	25		0	22.90	3.00	23.75	<=38.45	Pass	
			13	22.90	3.00	23.75	<=38.45	Pass	
			25	22.96	3.00	23.81	<=38.45	Pass	
			50	0	22.85	3.00	23.7	<=38.45	Pass
844	1		0	23.89	3.00	24.74	<=38.45	Pass	
			25	23.67	3.00	24.52	<=38.45	Pass	
			49	23.83	3.00	24.68	<=38.45	Pass	
	25		0	22.89	3.00	23.74	<=38.45	Pass	
			13	22.93	3.00	23.78	<=38.45	Pass	
			25	22.93	3.00	23.78	<=38.45	Pass	
	50		0	22.94	3.00	23.79	<=38.45	Pass	
	Note1: ERP=Conducted Power+Antenna Gain-2.15								

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	836.5	50	0	20	LV	1.100	0.0013	-2.5 to 2.5	Pass
					HV	1.000	0.0012	-2.5 to 2.5	Pass
					NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	NV	0.600	0.0007	-2.5 to 2.5	Pass
				-20	NV	0.500	0.0006	-2.5 to 2.5	Pass
				-10	NV	0.000	0.0000	-2.5 to 2.5	Pass
				0	NV	0.300	0.0004	-2.5 to 2.5	Pass
				10	NV	4.200	0.0050	-2.5 to 2.5	Pass
				30	NV	0.800	0.0010	-2.5 to 2.5	Pass
				40	NV	2.500	0.0030	-2.5 to 2.5	Pass
				50	NV	2.300	0.0027	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

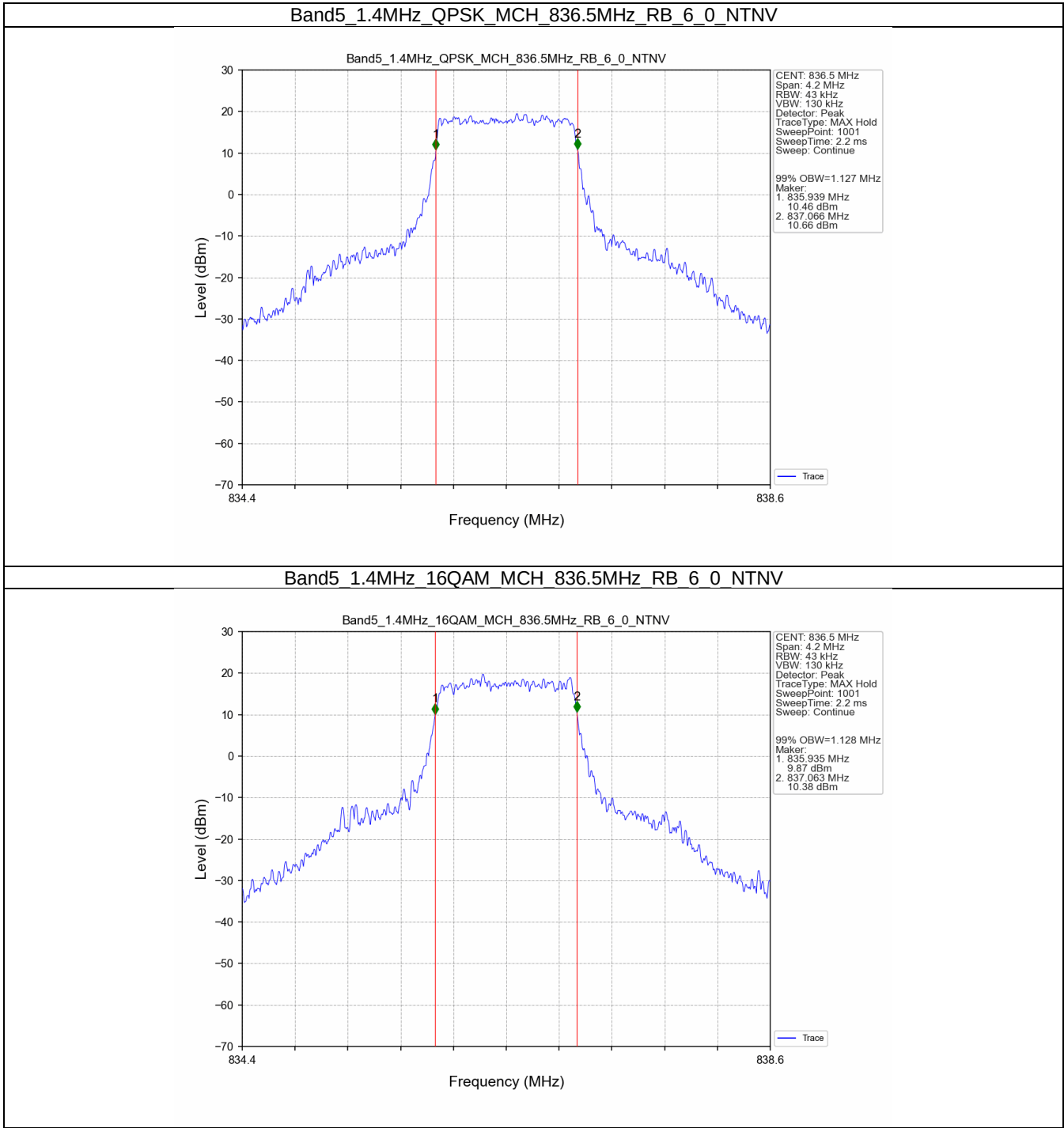
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.127	/	Pass
	16QAM	836.5	6	0	1.128	/	Pass
3	QPSK	836.5	15	0	2.753	/	Pass
	16QAM	836.5	15	0	2.758	/	Pass
5	QPSK	836.5	25	0	4.583	/	Pass
	16QAM	836.5	25	0	4.553	/	Pass
10	QPSK	836.5	50	0	9.091	/	Pass
	16QAM	836.5	50	0	9.085	/	Pass

3.1.2 Band5_XDB

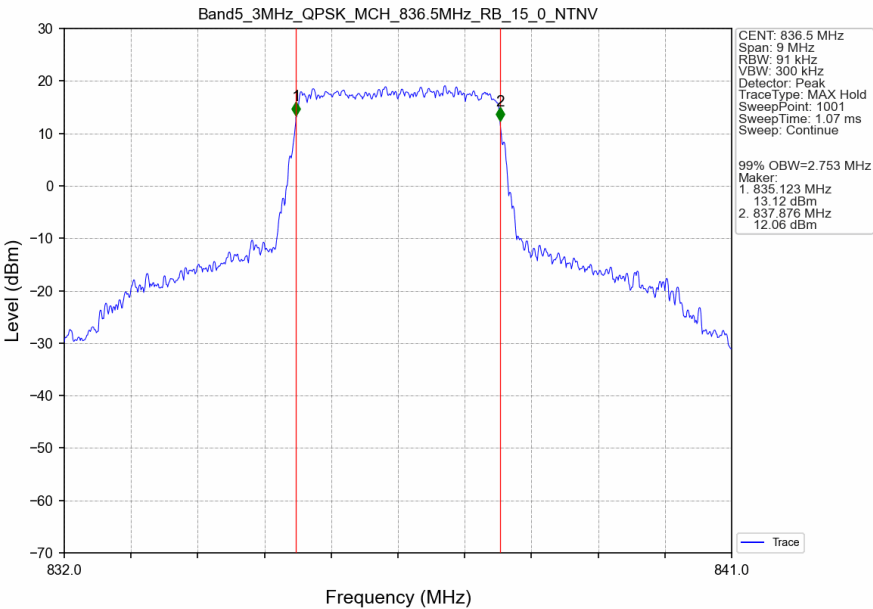
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.411	/	Pass
	16QAM	836.5	6	0	1.457	/	Pass
3	QPSK	836.5	15	0	3.190	/	Pass
	16QAM	836.5	15	0	3.117	/	Pass
5	QPSK	836.5	25	0	5.319	/	Pass
	16QAM	836.5	25	0	5.201	/	Pass
10	QPSK	836.5	50	0	10.268	/	Pass
	16QAM	836.5	50	0	10.233	/	Pass

3.2 Test Graph

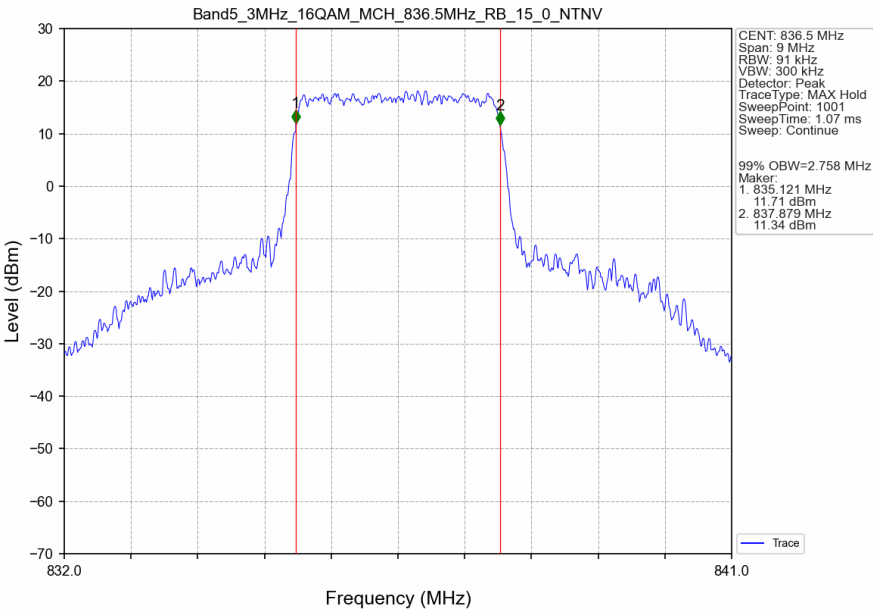
3.2.1 Band5_OBW



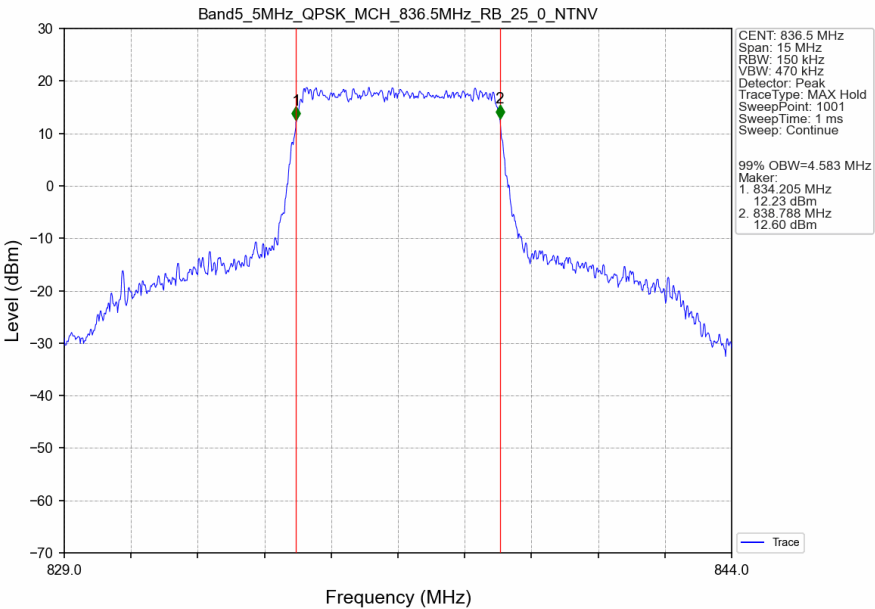
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



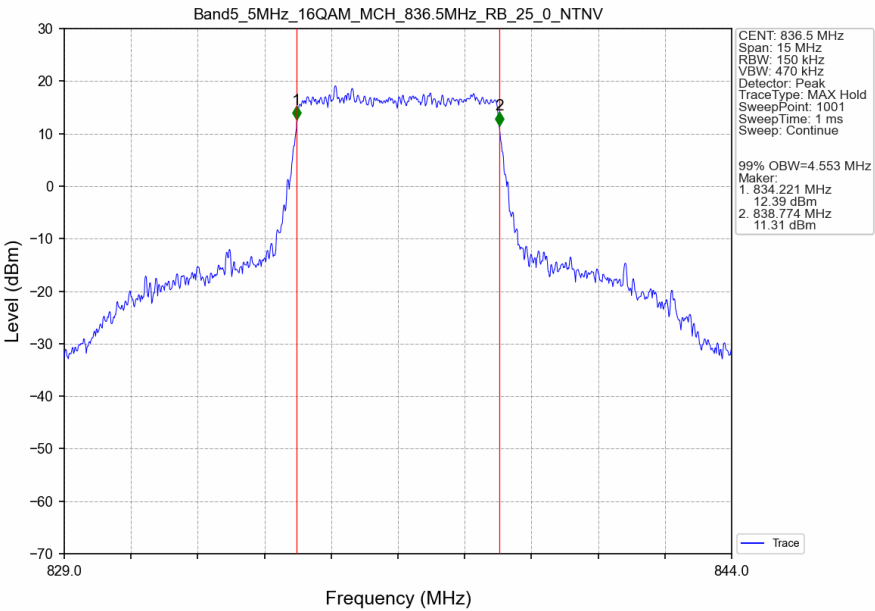
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



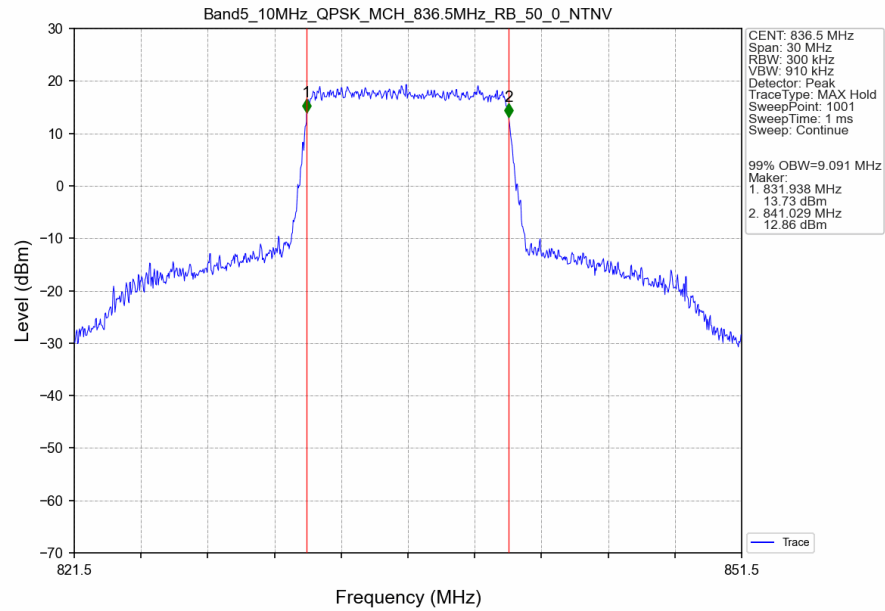
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



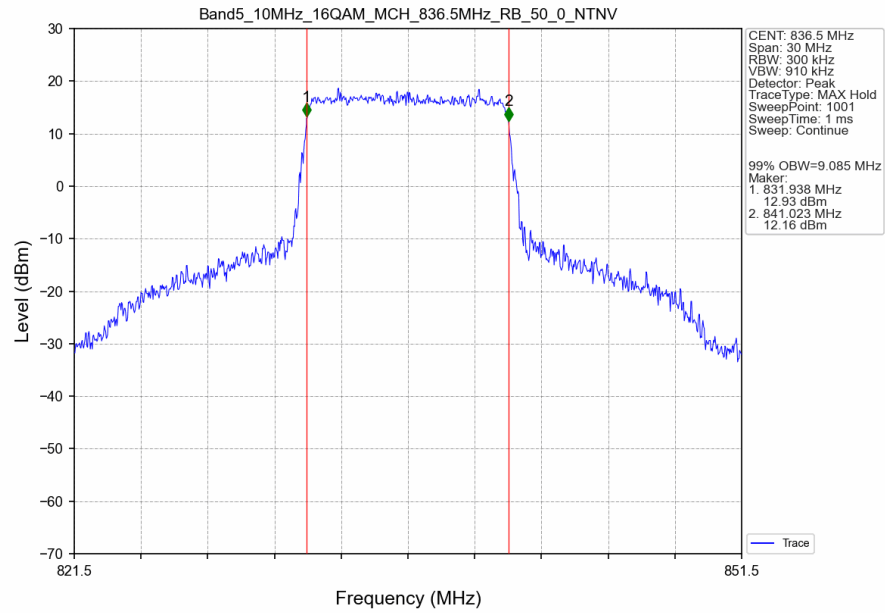
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



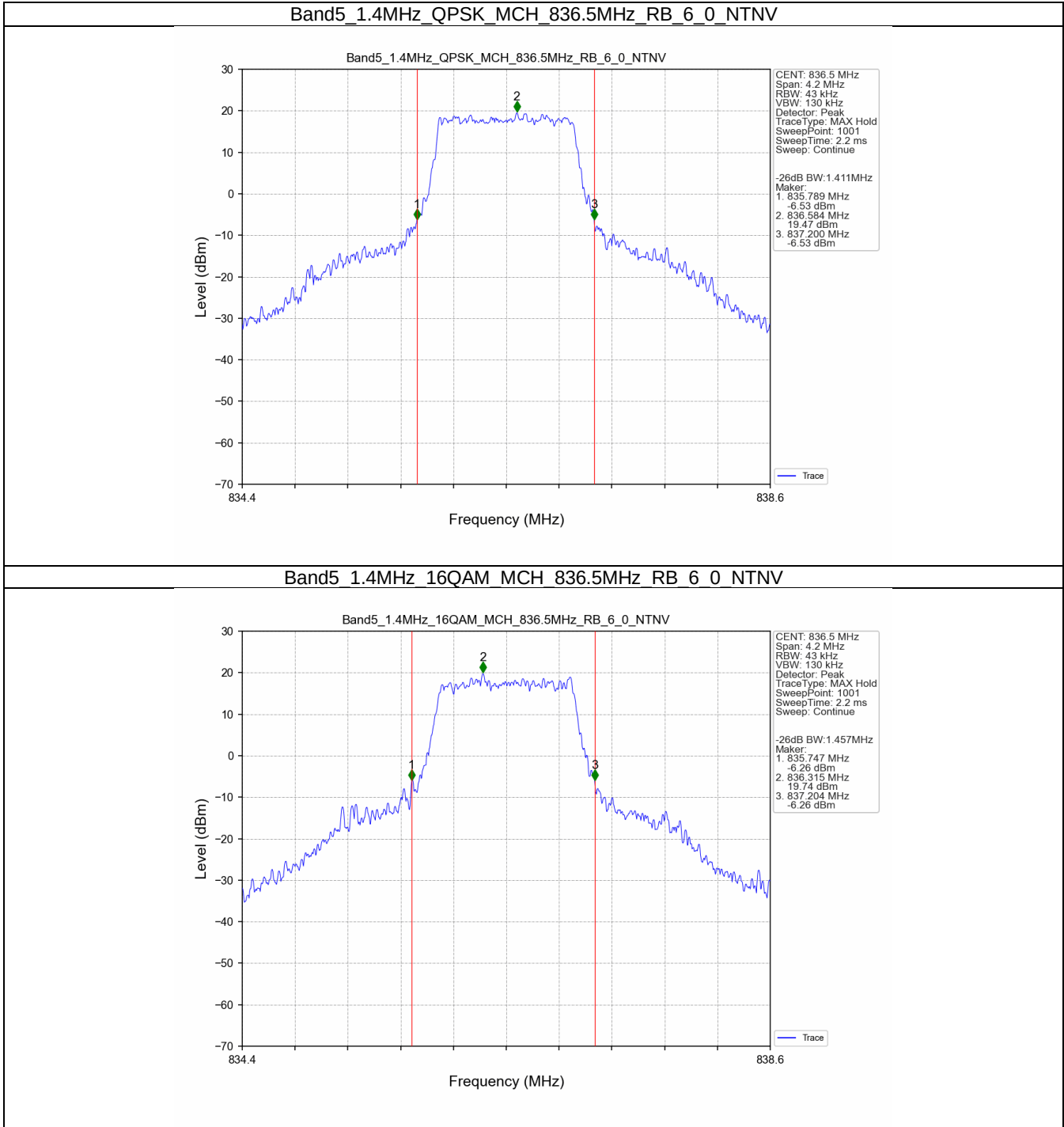
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



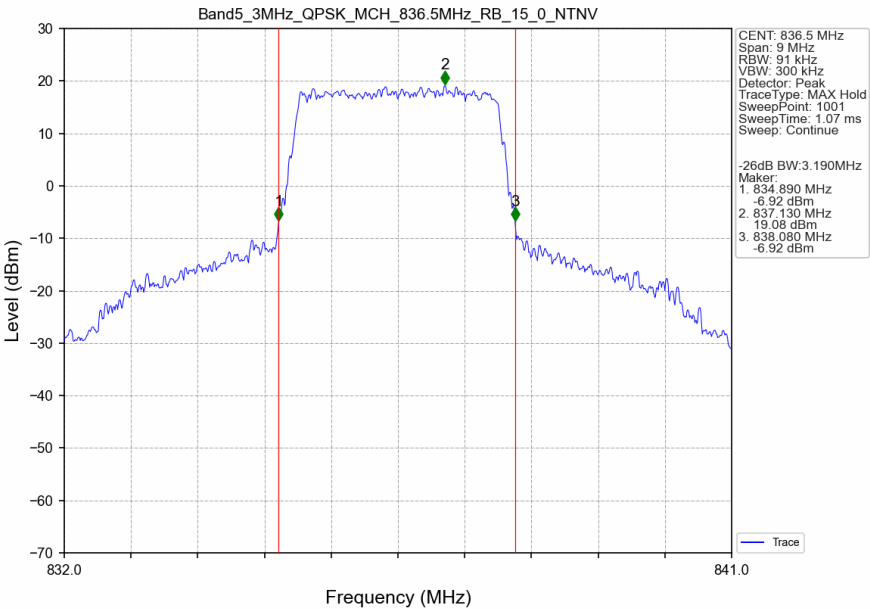
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



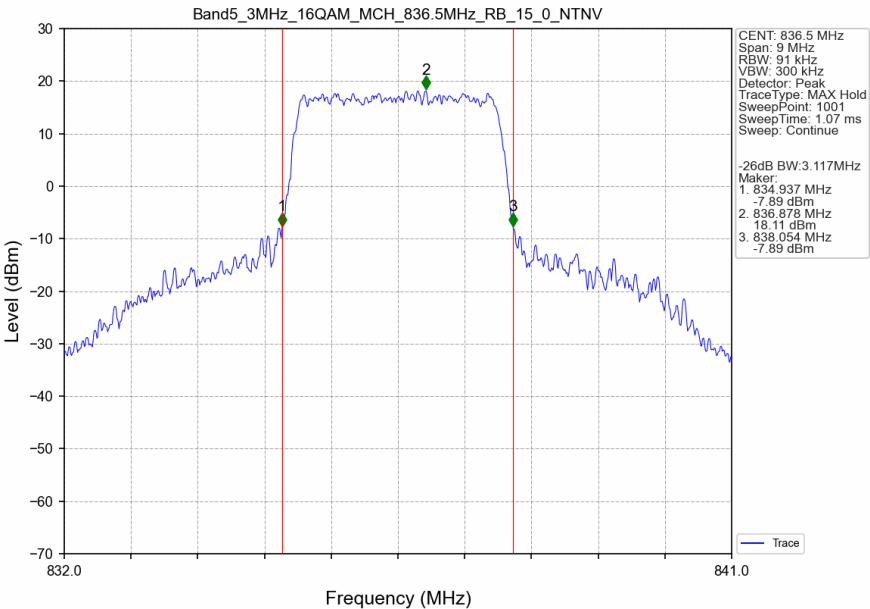
3.2.2 Band5_XDB



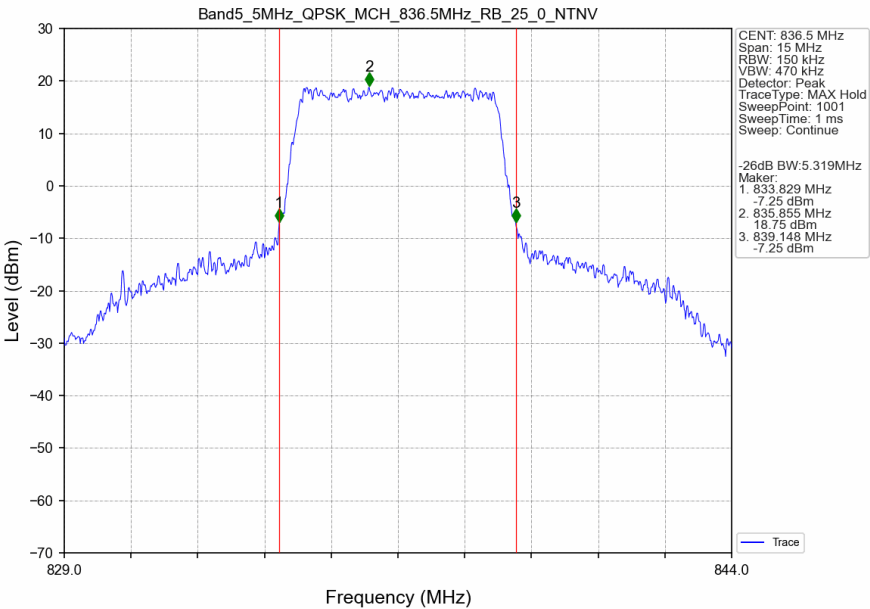
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



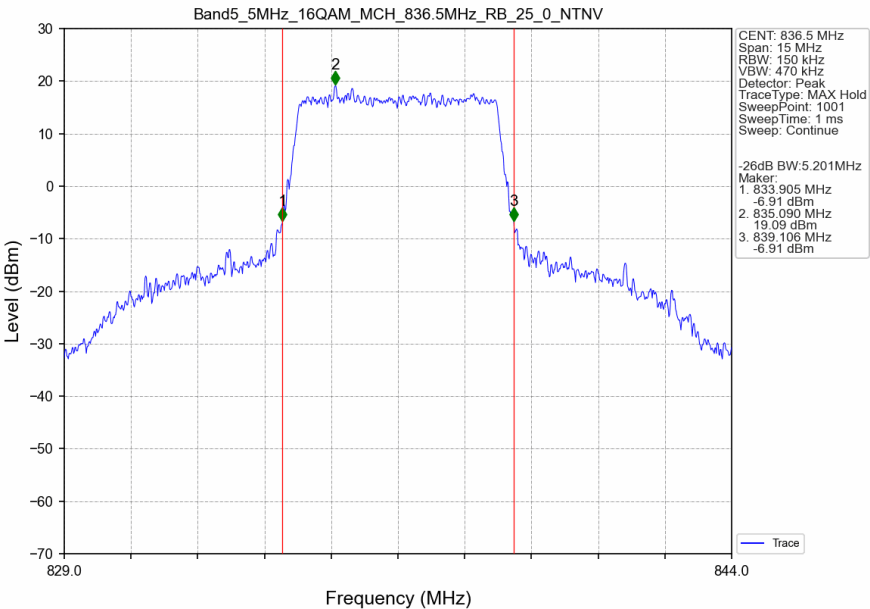
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



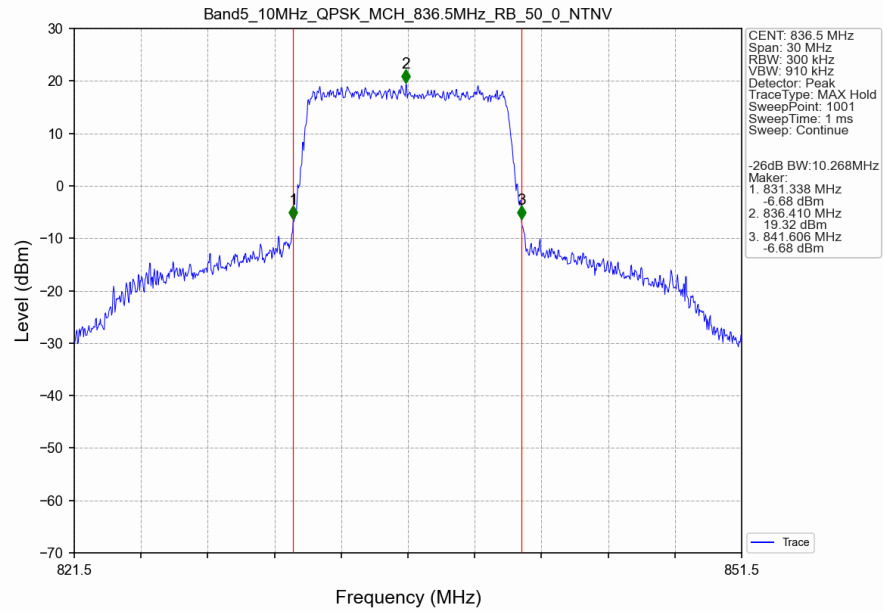
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



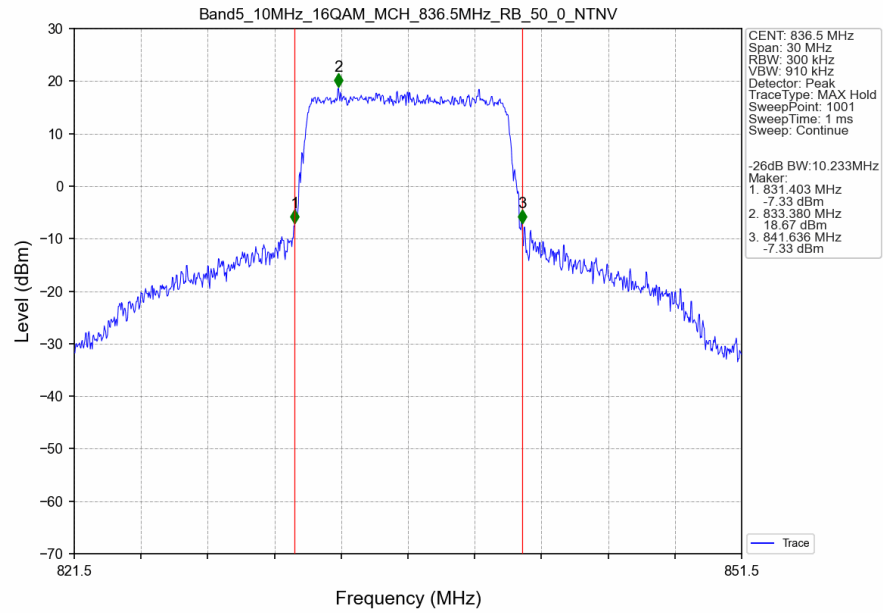
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



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



4. Peak-Average Ratio

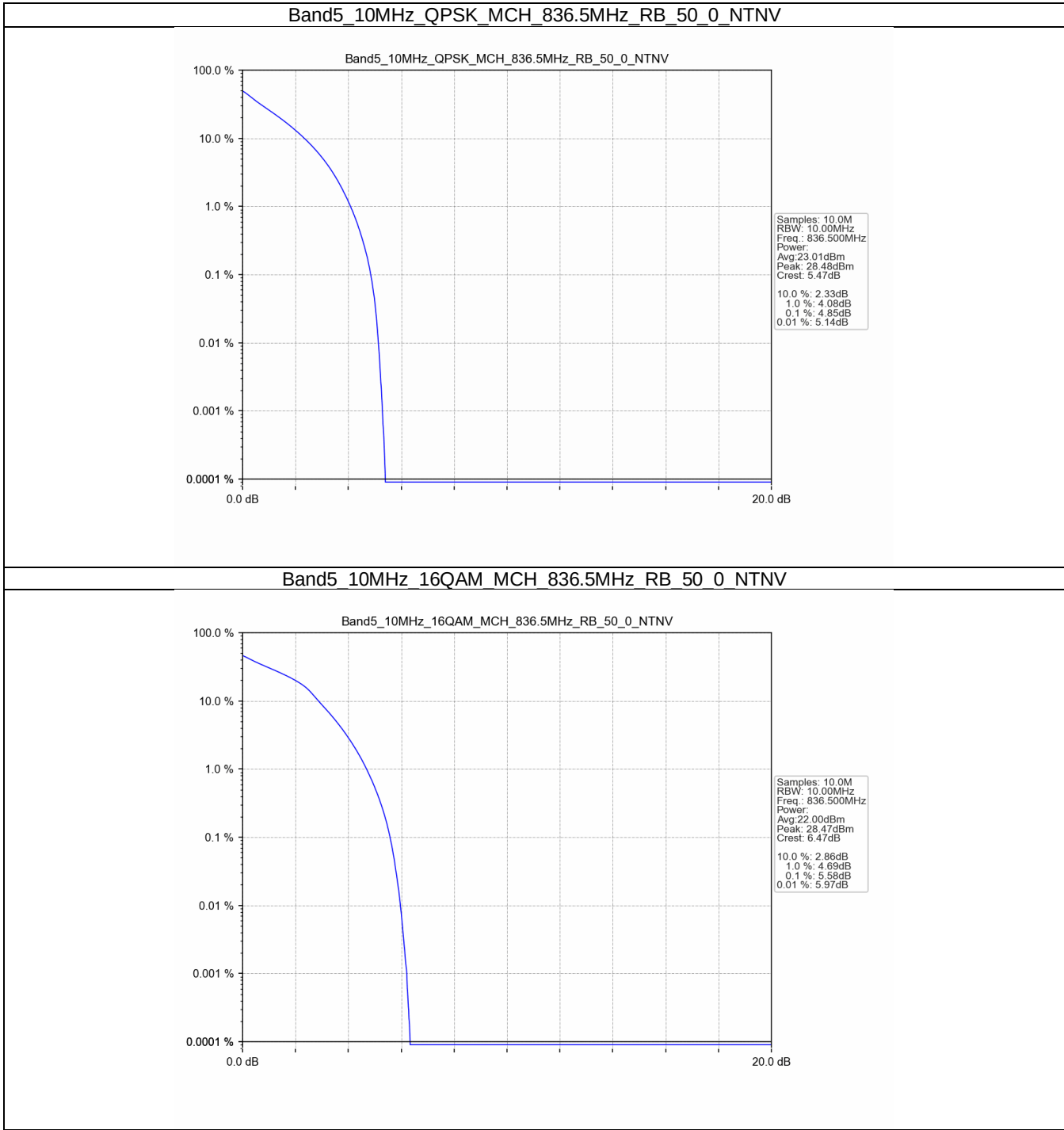
4.1 Test Result

4.1.1 B5_10MHz

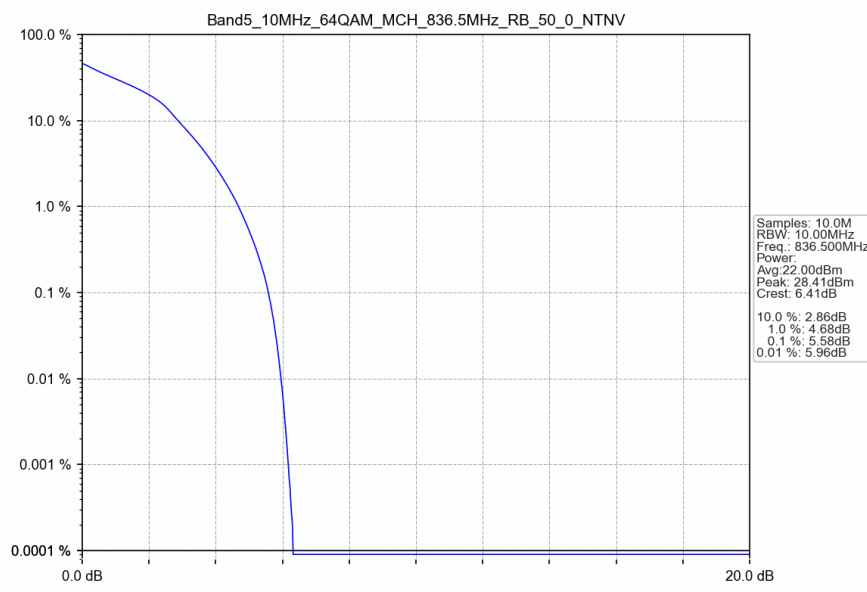
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.85	<=13	Pass
16QAM	836.5	50	0	5.58	<=13	Pass
64QAM	836.5	50	0	5.58	<=13	Pass

4.2 Test Graph

4.2.1 B5_10MHz



Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
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

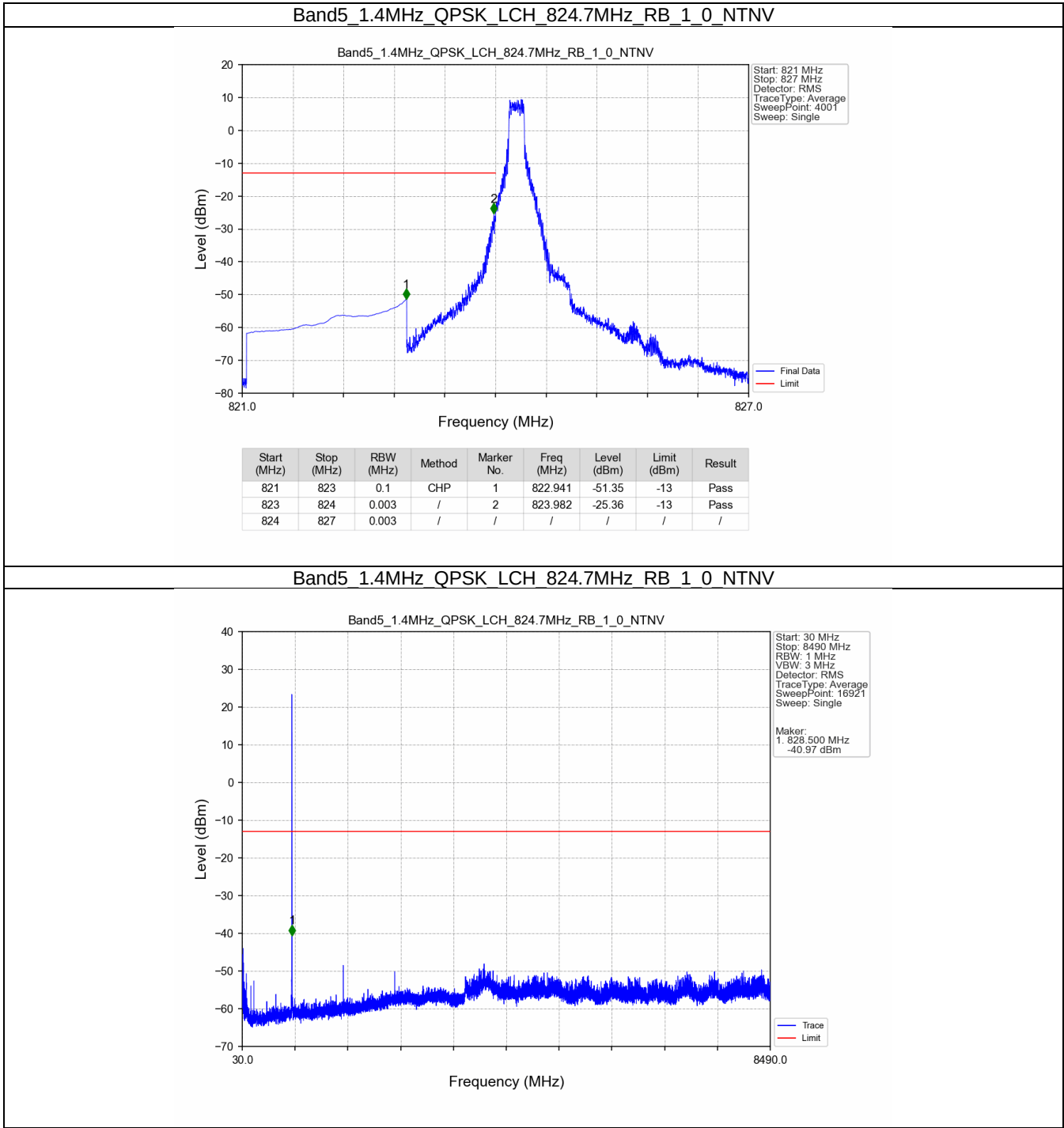
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

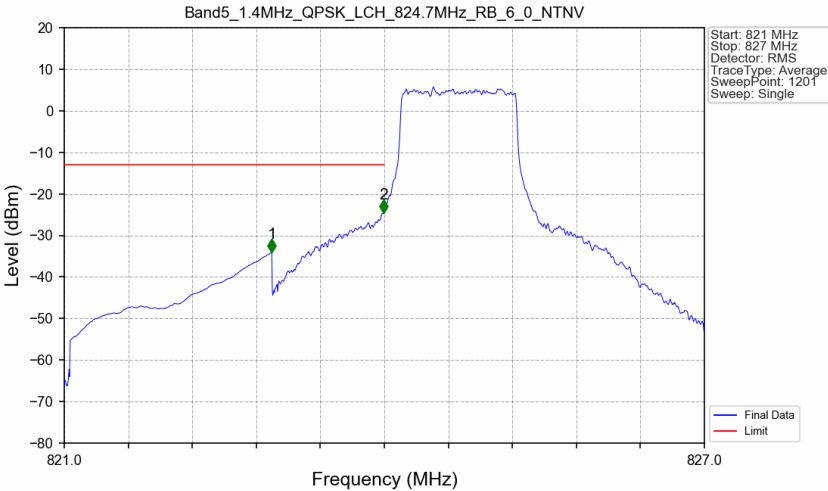
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 B5_1.4MHz

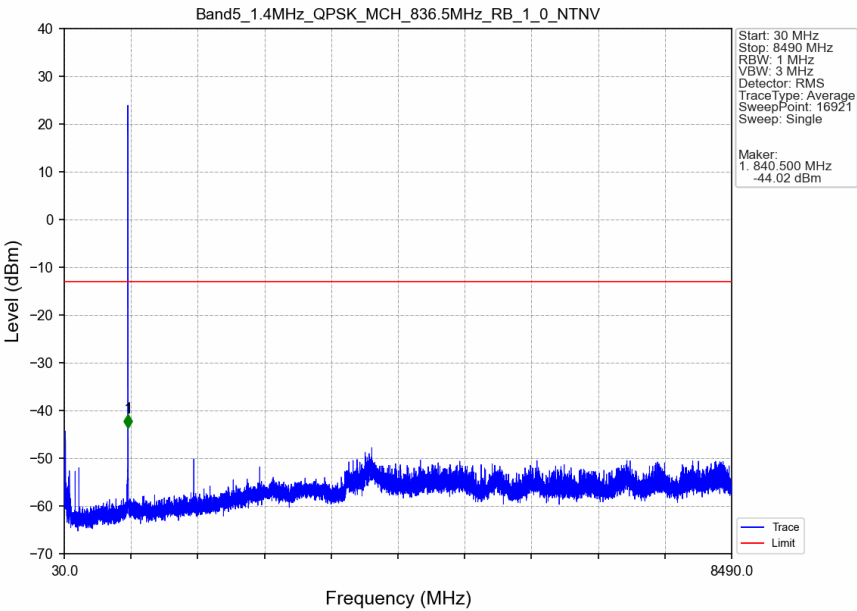


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

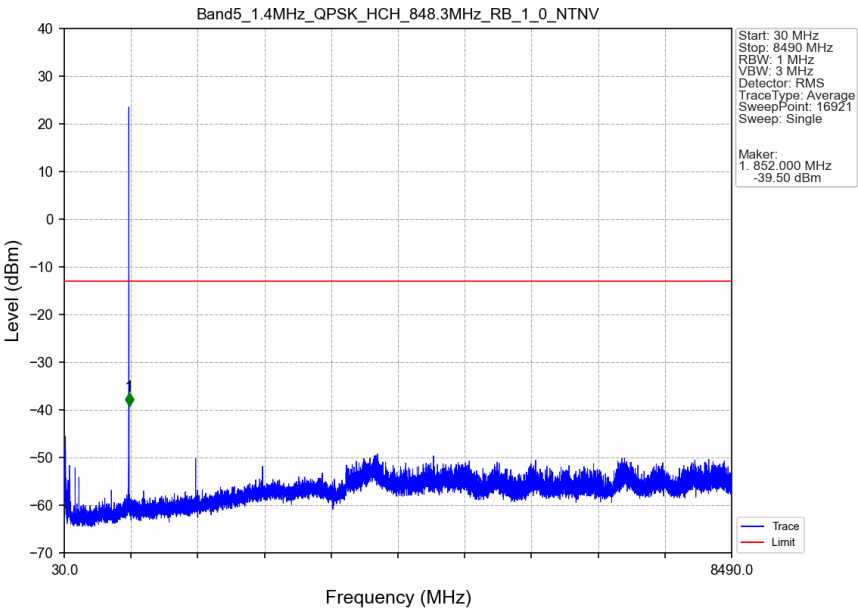


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-33.97	-13	Pass
823	824	0.014	CHP	2	823.995	-24.58	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

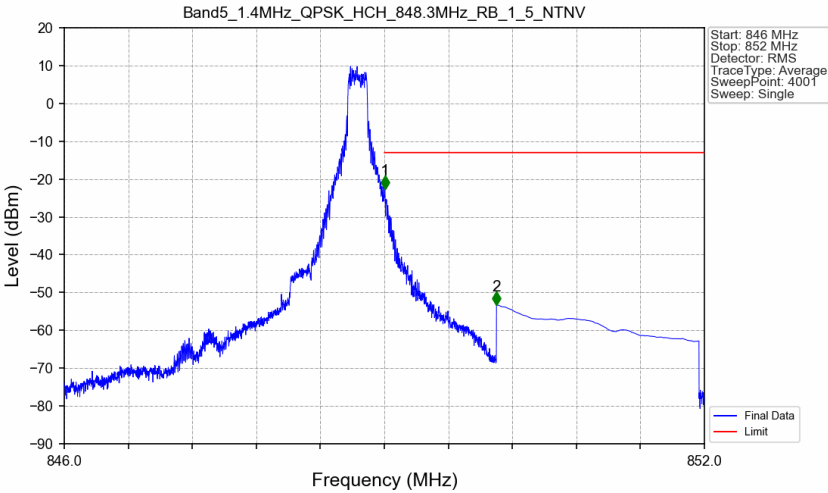
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

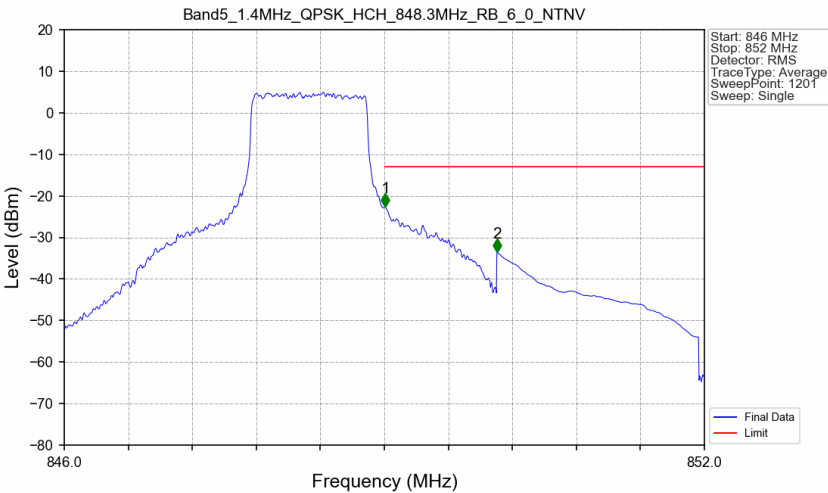


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



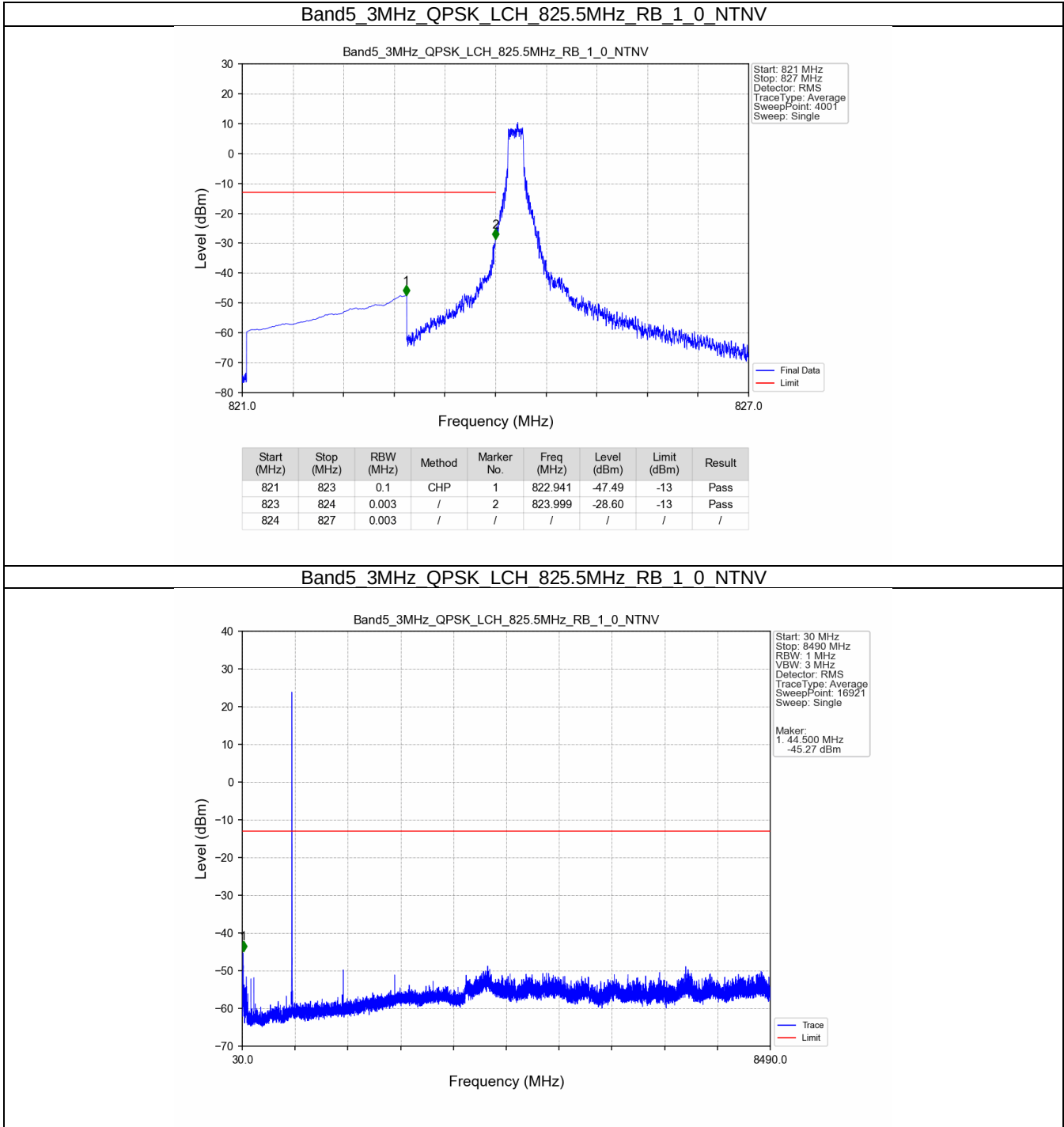
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-22.70	-13	Pass
850	852	0.1	CHP	2	850.052	-53.23	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

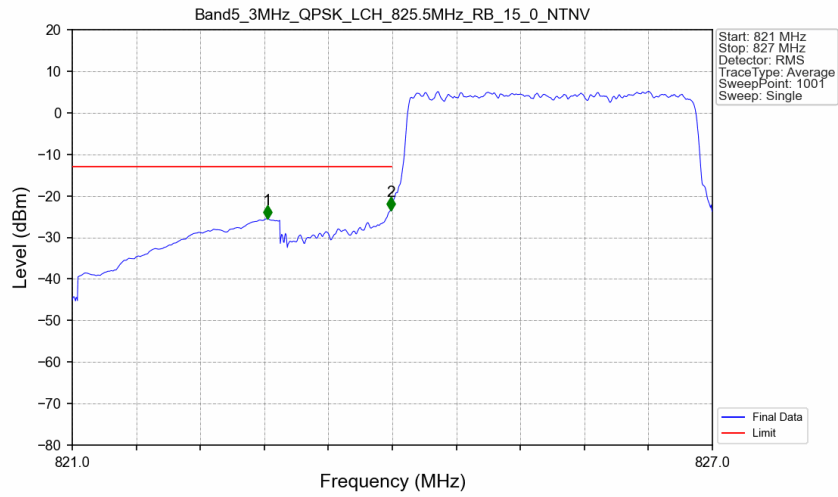


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.010	-22.50	-13	Pass
850	852	0.1	CHP	2	850.055	-33.54	-13	Pass

5.2.2 B5_3MHz

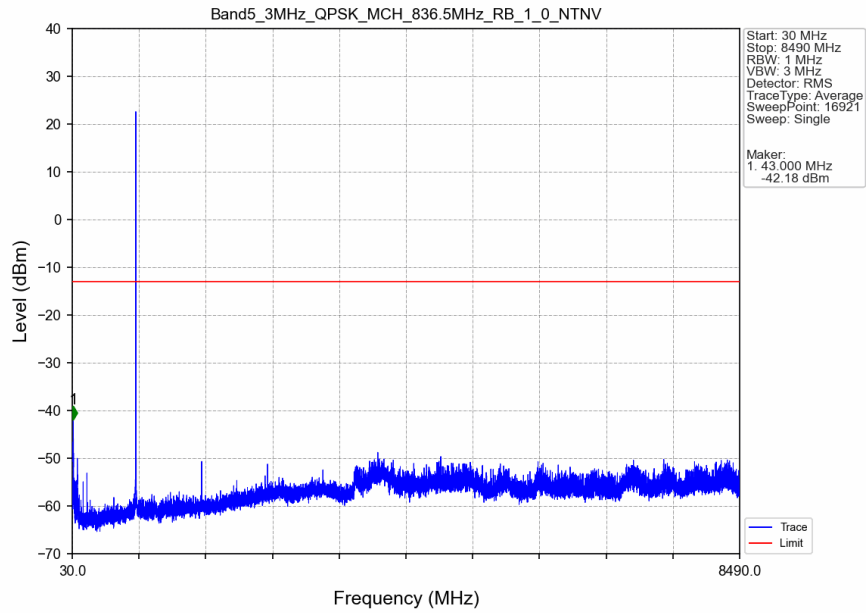


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

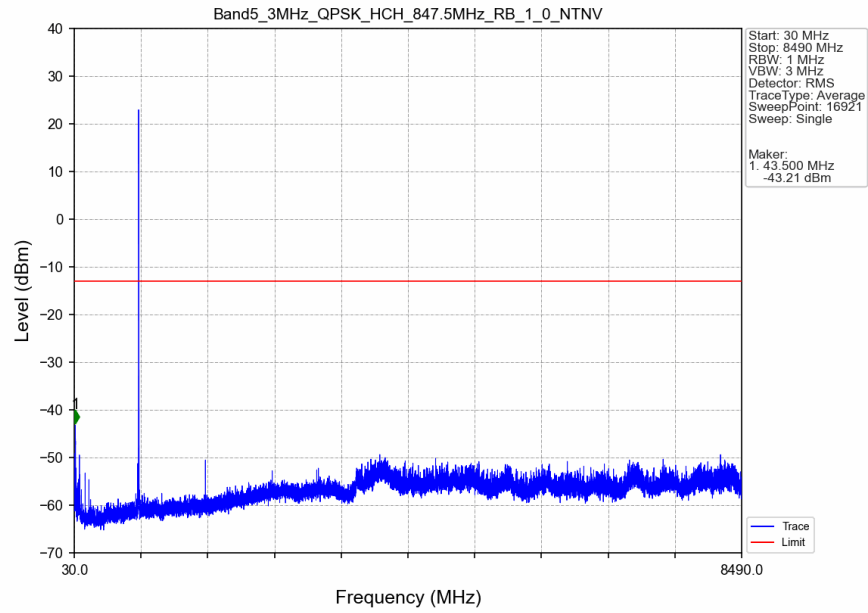


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.830	-25.48	-13	Pass
823	824	0.032	CHP	2	823.988	-23.55	-13	Pass
824	827	0.032	CHP	/	/	/	/	/

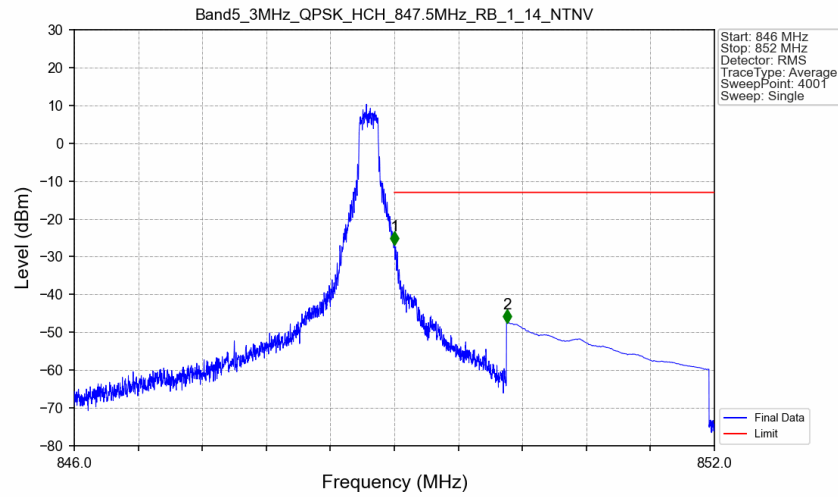
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

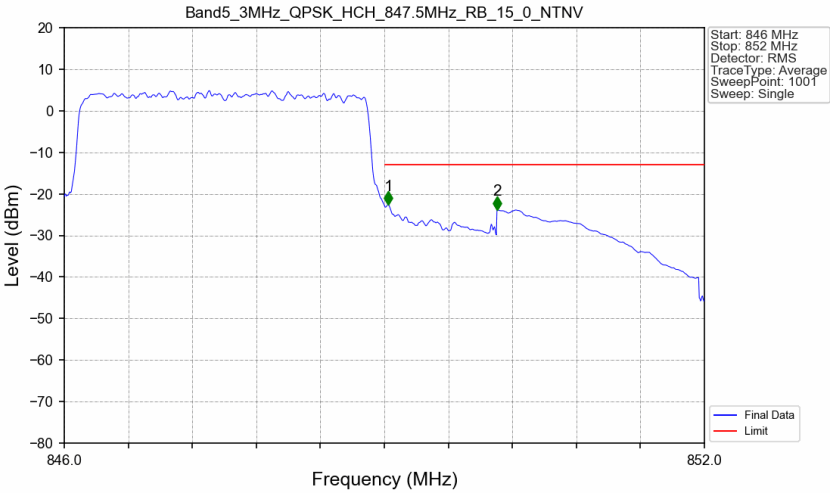


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



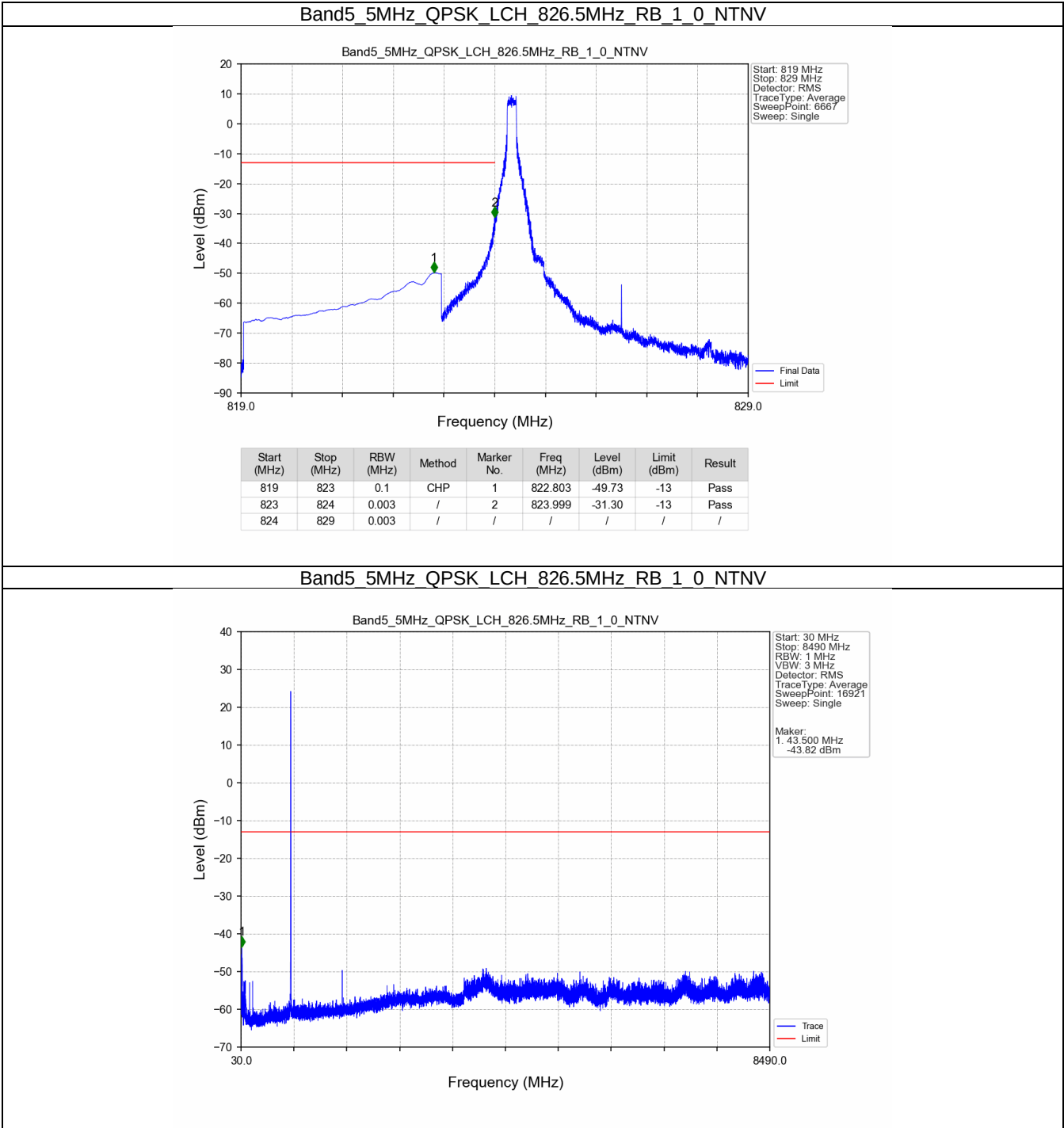
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-26.86	-13	Pass
850	852	0.1	CHP	2	850.058	-47.46	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

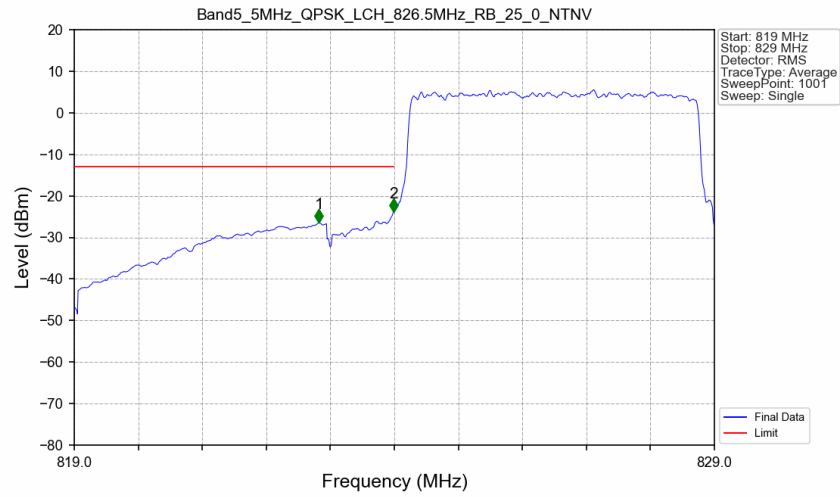


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.032	CHP	/	/	/	/	/
849	850	0.032	CHP	1	849.036	-22.54	-13	Pass
850	852	0.1	CHP	2	850.056	-23.75	-13	Pass

5.2.3 B5_5MHz

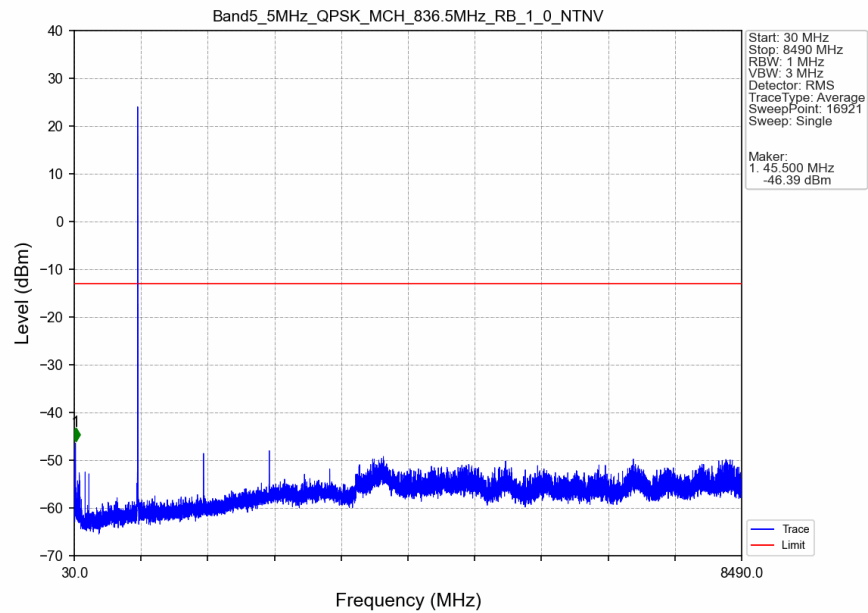


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV

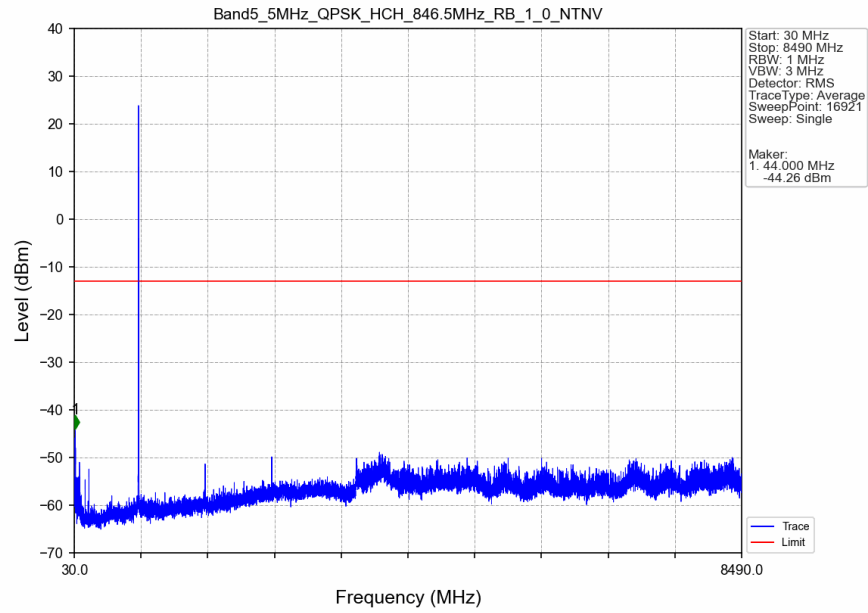


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.820	-26.47	-13	Pass
823	824	0.053	CHP	2	823.990	-23.82	-13	Pass
824	829	0.053	CHP	/	/	/	/	/

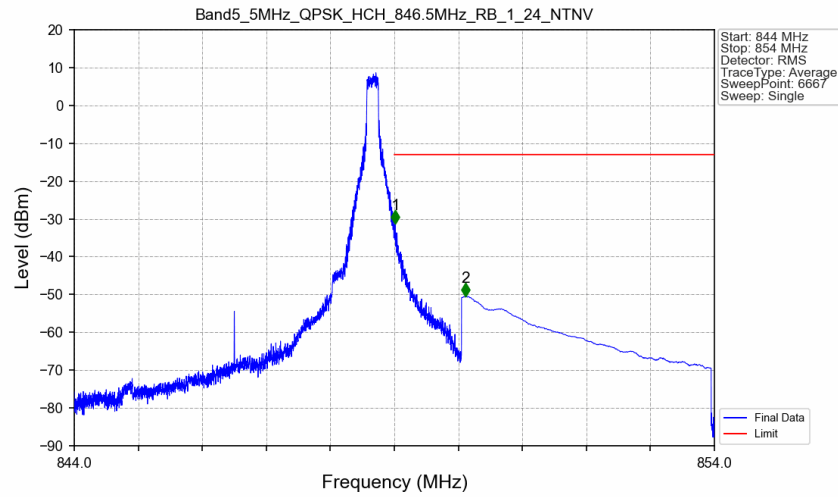
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

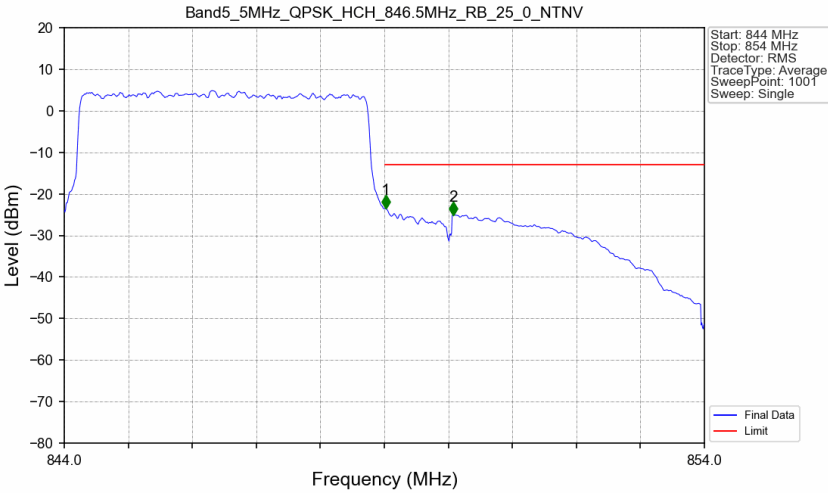


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



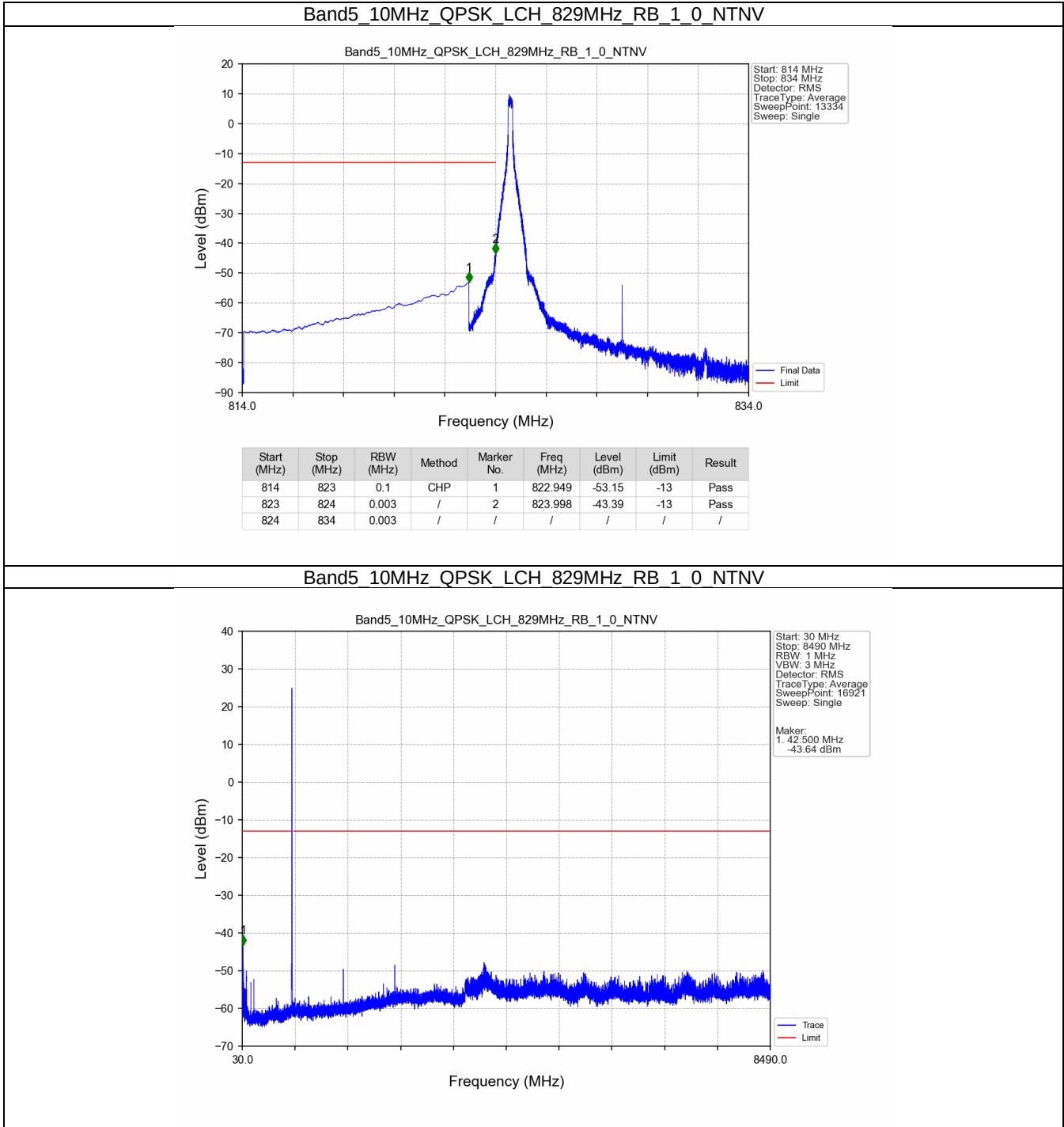
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.015	-31.32	-13	Pass
850	854	0.1	CHP	2	850.116	-50.49	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

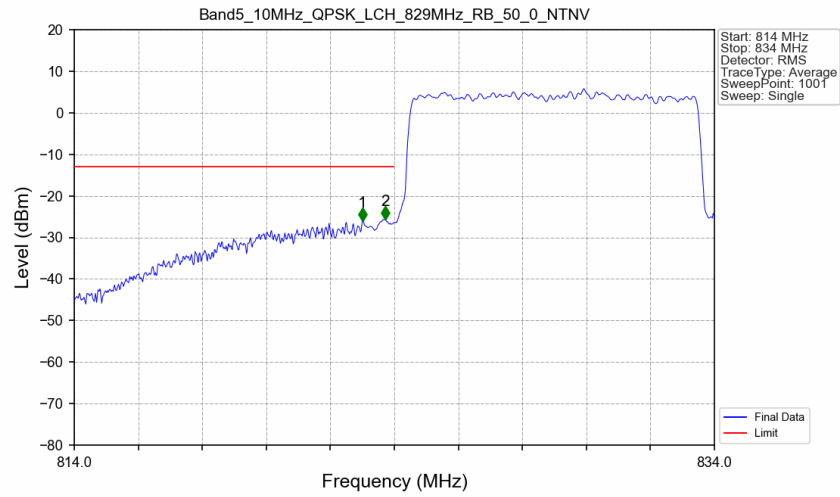


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.053	CHP	/	/	/	/	/
849	850	0.053	CHP	1	849.020	-23.55	-13	Pass
850	854	0.1	CHP	2	850.080	-25.04	-13	Pass

5.2.4 B5_10MHz

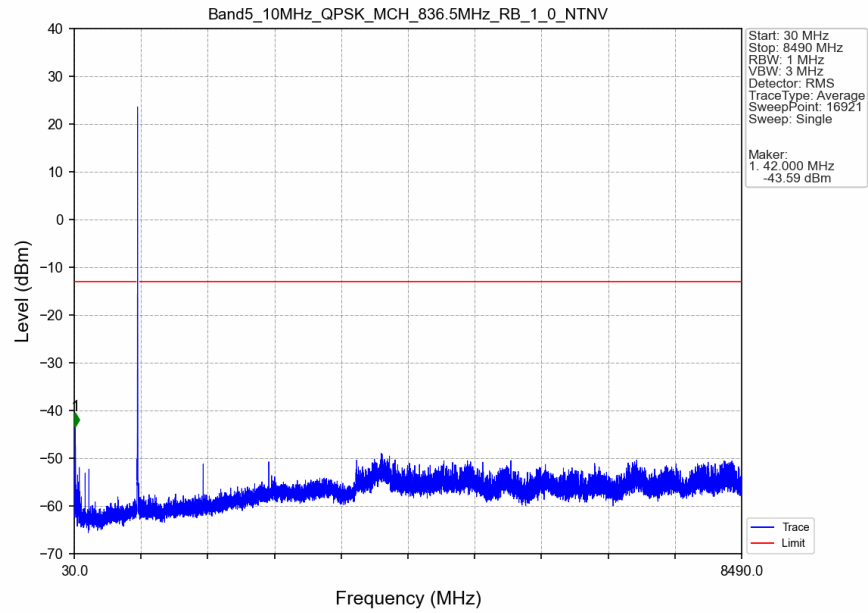


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

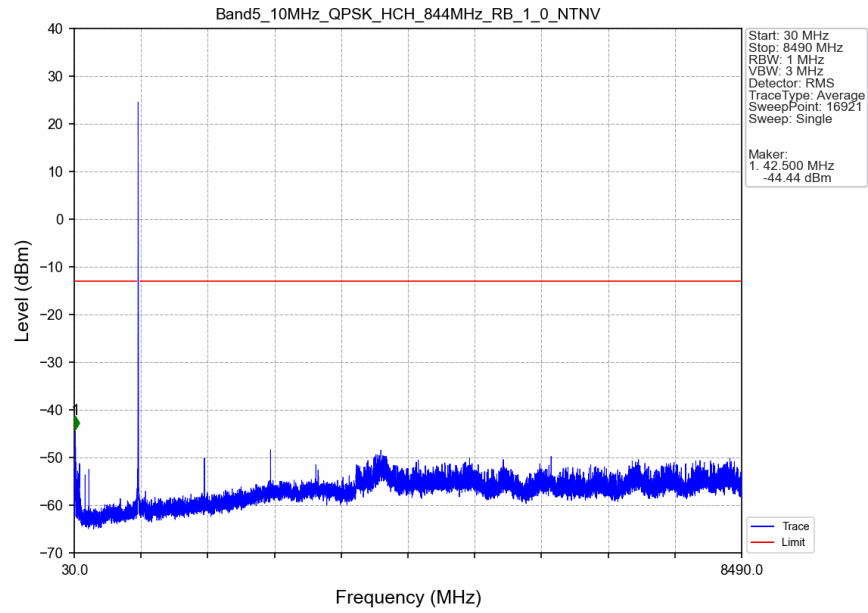


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	823.000	-26.10	-13	Pass
823	824	0.103	CHP	2	823.720	-25.60	-13	Pass
824	834	0.103	CHP	/	/	/	/	/

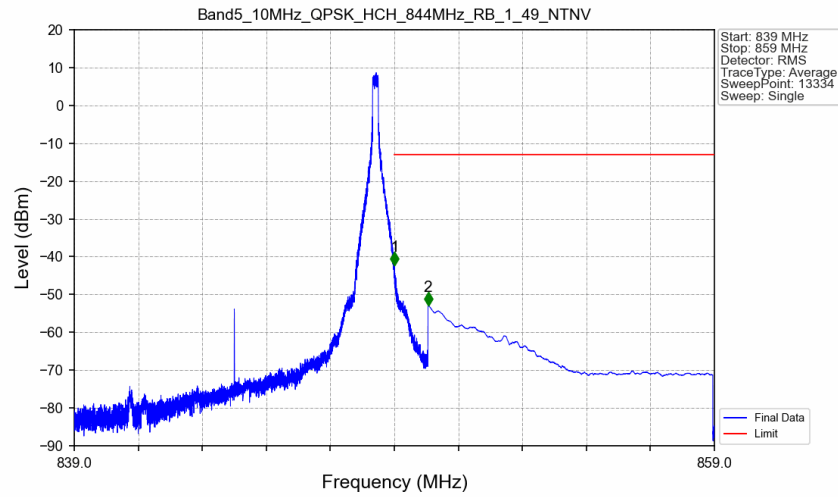
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

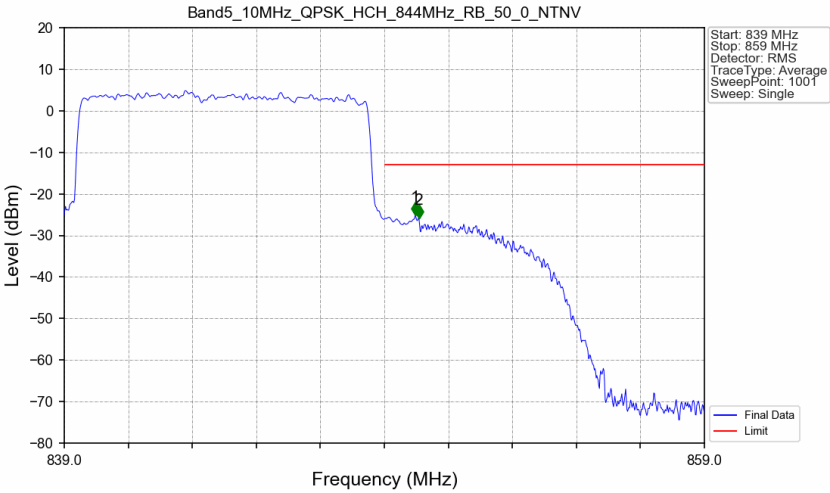


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	-42.27	-13	Pass
850	859	0.1	CHP	2	850.052	-52.80	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.103	CHP	/	/	/	/	/
849	850	0.103	CHP	1	849.960	-25.17	-13	Pass
850	859	0.1	/	2	850.080	-25.85	-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	-64.91	-13	-51.91	-67.79	2.62	5.5	Horizontal	Pass
2473.5	-69.58	-13	-56.58	-72.28	3.06	5.76	Horizontal	Pass
3298.0	-67.74	-13	-54.74	-72.1	3.3	7.66	Horizontal	Pass
1649.0	-69.09	-13	-56.09	-71.97	2.62	5.5	Vertical	Pass
2473.5	-69.3	-13	-56.3	-72.0	3.06	5.76	Vertical	Pass
3298.0	-67.96	-13	-54.96	-72.32	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	-60.03	-13	-47.03	-62.87	2.63	5.47	Horizontal	Pass
2496.0	-65.37	-13	-52.37	-68.1	3.08	5.81	Horizontal	Pass
3328.0	-66.82	-13	-53.82	-71.25	3.31	7.74	Horizontal	Pass
1664.0	-64.63	-13	-51.63	-67.47	2.63	5.47	Vertical	Pass
2496.0	-66.59	-13	-53.59	-69.32	3.08	5.81	Vertical	Pass
3328.0	-67.48	-13	-54.48	-71.91	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	-64.72	-13	-51.72	-67.52	2.63	5.43	Horizontal	Pass
2518.5	-66.36	-13	-53.36	-69.14	3.08	5.86	Horizontal	Pass
3358.0	-64.88	-13	-51.88	-69.37	3.33	7.82	Horizontal	Pass
1679.0	-68.33	-13	-55.33	-71.13	2.63	5.43	Vertical	Pass
2518.5	-66.7	-13	-53.7	-69.48	3.08	5.86	Vertical	Pass
3358.0	-64.93	-13	-51.93	-69.42	3.33	7.82	Vertical	Pass