

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	23.57	-5.82	15.60	<=38.45	Pass
			2	23.54	-5.82	15.57	<=38.45	Pass
			5	24.09	-5.82	16.12	<=38.45	Pass
		3	0	23.92	-5.82	15.95	<=38.45	Pass
			2	23.96	-5.82	15.99	<=38.45	Pass
			3	23.92	-5.82	15.95	<=38.45	Pass
		6	0	23.53	-5.82	15.56	<=38.45	Pass
	836.5	1	0	23.31	-5.82	15.34	<=38.45	Pass
			2	23.49	-5.82	15.52	<=38.45	Pass
			5	24.10	-5.82	16.13	<=38.45	Pass
		3	0	24.03	-5.82	16.06	<=38.45	Pass
			2	23.91	-5.82	15.94	<=38.45	Pass
			3	24.02	-5.82	16.05	<=38.45	Pass
		6	0	23.40	-5.82	15.43	<=38.45	Pass
	848.3	1	0	23.49	-5.82	15.52	<=38.45	Pass
			2	23.50	-5.82	15.53	<=38.45	Pass
			5	23.97	-5.82	16.00	<=38.45	Pass
		3	0	23.92	-5.82	15.95	<=38.45	Pass
			2	23.87	-5.82	15.90	<=38.45	Pass
			3	23.92	-5.82	15.95	<=38.45	Pass
		6	0	23.37	-5.82	15.40	<=38.45	Pass
16QAM	824.7	1	0	24.11	-5.82	16.14	<=38.45	Pass
			2	24.17	-5.82	16.20	<=38.45	Pass
			5	23.61	-5.82	15.64	<=38.45	Pass
		3	0	23.54	-5.82	15.57	<=38.45	Pass
			2	23.37	-5.82	15.40	<=38.45	Pass
			3	23.44	-5.82	15.47	<=38.45	Pass
		6	0	23.09	-5.82	15.12	<=38.45	Pass
	836.5	1	0	23.70	-5.82	15.73	<=38.45	Pass
			2	23.65	-5.82	15.68	<=38.45	Pass
			5	23.16	-5.82	15.19	<=38.45	Pass
		3	0	23.61	-5.82	15.64	<=38.45	Pass
			2	23.59	-5.82	15.62	<=38.45	Pass
			3	23.65	-5.82	15.68	<=38.45	Pass
		6	0	23.09	-5.82	15.12	<=38.45	Pass
	848.3	1	0	24.13	-5.82	16.16	<=38.45	Pass
			2	24.21	-5.82	16.24	<=38.45	Pass
			5	23.80	-5.82	15.83	<=38.45	Pass
		3	0	23.46	-5.82	15.49	<=38.45	Pass
			2	23.40	-5.82	15.43	<=38.45	Pass
			3	23.42	-5.82	15.45	<=38.45	Pass
		6	0	23.14	-5.82	15.17	<=38.45	Pass
64QAM	824.7	1	0	23.79	-5.82	15.82	<=38.45	Pass
			2	23.49	-5.82	15.52	<=38.45	Pass
			5	23.34	-5.82	15.37	<=38.45	Pass
		3	0	23.55	-5.82	15.58	<=38.45	Pass
			2	23.41	-5.82	15.44	<=38.45	Pass
			3	23.60	-5.82	15.63	<=38.45	Pass
		6	0	22.85	-5.82	14.88	<=38.45	Pass

	836.5	1	0	23.52	-5.82	15.55	<=38.45	Pass
			2	23.73	-5.82	15.76	<=38.45	Pass
			5	23.51	-5.82	15.54	<=38.45	Pass
		3	0	23.32	-5.82	15.35	<=38.45	Pass
			2	23.39	-5.82	15.42	<=38.45	Pass
			3	23.44	-5.82	15.47	<=38.45	Pass
		6	0	22.95	-5.82	14.98	<=38.45	Pass
	848.3	1	0	23.47	-5.82	15.50	<=38.45	Pass
			2	23.64	-5.82	15.67	<=38.45	Pass
			5	23.39	-5.82	15.42	<=38.45	Pass
		3	0	23.63	-5.82	15.66	<=38.45	Pass
			2	23.50	-5.82	15.53	<=38.45	Pass
			3	23.55	-5.82	15.58	<=38.45	Pass
		6	0	23.10	-5.82	15.13	<=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	23.89	-5.82	15.92	<=38.45	Pass
			7	24.34	-5.82	16.37	<=38.45	Pass
			14	23.45	-5.82	15.48	<=38.45	Pass
		8	0	23.61	-5.82	15.64	<=38.45	Pass
			4	23.45	-5.82	15.48	<=38.45	Pass
			7	23.54	-5.82	15.57	<=38.45	Pass
		15	0	23.60	-5.82	15.63	<=38.45	Pass
	836.5	1	0	23.76	-5.82	15.79	<=38.45	Pass
			7	24.15	-5.82	16.18	<=38.45	Pass
			14	23.91	-5.82	15.94	<=38.45	Pass
		8	0	23.54	-5.82	15.57	<=38.45	Pass
			4	23.37	-5.82	15.40	<=38.45	Pass
			7	23.51	-5.82	15.54	<=38.45	Pass
		15	0	23.33	-5.82	15.36	<=38.45	Pass
	847.5	1	0	23.39	-5.82	15.42	<=38.45	Pass
			7	24.03	-5.82	16.06	<=38.45	Pass
			14	23.90	-5.82	15.93	<=38.45	Pass
		8	0	23.45	-5.82	15.48	<=38.45	Pass
			4	23.37	-5.82	15.40	<=38.45	Pass
			7	23.25	-5.82	15.28	<=38.45	Pass
		15	0	23.43	-5.82	15.46	<=38.45	Pass
16QAM	825.5	1	0	23.74	-5.82	15.77	<=38.45	Pass
			7	23.92	-5.82	15.95	<=38.45	Pass
			14	24.16	-5.82	16.19	<=38.45	Pass
		8	0	23.14	-5.82	15.17	<=38.45	Pass
			4	23.14	-5.82	15.17	<=38.45	Pass
			7	23.17	-5.82	15.20	<=38.45	Pass
		15	0	23.02	-5.82	15.05	<=38.45	Pass
	836.5	1	0	23.82	-5.82	15.85	<=38.45	Pass
			7	23.68	-5.82	15.71	<=38.45	Pass
			14	23.73	-5.82	15.76	<=38.45	Pass
		8	0	23.21	-5.82	15.24	<=38.45	Pass
			4	23.23	-5.82	15.26	<=38.45	Pass
			7	23.11	-5.82	15.14	<=38.45	Pass
		15	0	23.14	-5.82	15.17	<=38.45	Pass
	847.5	1	0	24.09	-5.82	16.12	<=38.45	Pass

			7	23.90	-5.82	15.93	<=38.45	Pass
			14	23.67	-5.82	15.70	<=38.45	Pass
		8	0	22.44	-5.82	14.47	<=38.45	Pass
			4	23.22	-5.82	15.25	<=38.45	Pass
			7	23.20	-5.82	15.23	<=38.45	Pass
		15	0	23.03	-5.82	15.06	<=38.45	Pass
64QAM	825.5	1	0	23.82	-5.82	15.85	<=38.45	Pass
			7	23.57	-5.82	15.60	<=38.45	Pass
			14	23.29	-5.82	15.32	<=38.45	Pass
		8	0	23.12	-5.82	15.15	<=38.45	Pass
			4	23.14	-5.82	15.17	<=38.45	Pass
			7	23.17	-5.82	15.20	<=38.45	Pass
		15	0	23.14	-5.82	15.17	<=38.45	Pass
	836.5	1	0	22.55	-5.82	14.58	<=38.45	Pass
			7	23.55	-5.82	15.58	<=38.45	Pass
			14	23.36	-5.82	15.39	<=38.45	Pass
		8	0	23.10	-5.82	15.13	<=38.45	Pass
			4	23.10	-5.82	15.13	<=38.45	Pass
			7	23.20	-5.82	15.23	<=38.45	Pass
		15	0	23.03	-5.82	15.06	<=38.45	Pass
	847.5	1	0	23.58	-5.82	15.61	<=38.45	Pass
			7	23.75	-5.82	15.78	<=38.45	Pass
			14	23.09	-5.82	15.12	<=38.45	Pass
		8	0	23.14	-5.82	15.17	<=38.45	Pass
			4	23.11	-5.82	15.14	<=38.45	Pass
			7	23.00	-5.82	15.03	<=38.45	Pass
		15	0	23.08	-5.82	15.11	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	24.03	-5.82	16.06	<=38.45	Pass
			13	24.12	-5.82	16.15	<=38.45	Pass
			24	24.03	-5.82	16.06	<=38.45	Pass
		12	0	23.58	-5.82	15.61	<=38.45	Pass
			6	23.48	-5.82	15.51	<=38.45	Pass
			13	23.40	-5.82	15.43	<=38.45	Pass
		25	0	23.56	-5.82	15.59	<=38.45	Pass
	836.5	1	0	24.01	-5.82	16.04	<=38.45	Pass
			13	24.10	-5.82	16.13	<=38.45	Pass
			24	24.00	-5.82	16.03	<=38.45	Pass
		12	0	23.44	-5.82	15.47	<=38.45	Pass
			6	23.49	-5.82	15.52	<=38.45	Pass
			13	23.40	-5.82	15.43	<=38.45	Pass
		25	0	23.52	-5.82	15.55	<=38.45	Pass
	846.5	1	0	24.01	-5.82	16.04	<=38.45	Pass
			13	24.05	-5.82	16.08	<=38.45	Pass
			24	23.95	-5.82	15.98	<=38.45	Pass
		12	0	23.53	-5.82	15.56	<=38.45	Pass
			6	23.49	-5.82	15.52	<=38.45	Pass
			13	23.49	-5.82	15.52	<=38.45	Pass
		25	0	23.55	-5.82	15.58	<=38.45	Pass
16QAM	826.5	1	0	24.00	-5.82	16.03	<=38.45	Pass
			13	23.39	-5.82	15.42	<=38.45	Pass

			24	23.66	-5.82	15.69	<=38.45	Pass	
		12	0	23.19	-5.82	15.22	<=38.45	Pass	
			6	23.24	-5.82	15.27	<=38.45	Pass	
			13	23.09	-5.82	15.12	<=38.45	Pass	
		25	0	23.13	-5.82	15.16	<=38.45	Pass	
	836.5	1	0	23.86	-5.82	15.89	<=38.45	Pass	
			13	23.78	-5.82	15.81	<=38.45	Pass	
			24	23.65	-5.82	15.68	<=38.45	Pass	
		12	0	23.10	-5.82	15.13	<=38.45	Pass	
			6	23.12	-5.82	15.15	<=38.45	Pass	
			13	23.04	-5.82	15.07	<=38.45	Pass	
		25	0	23.12	-5.82	15.15	<=38.45	Pass	
		846.5	1	0	23.74	-5.82	15.77	<=38.45	Pass
	13			23.63	-5.82	15.66	<=38.45	Pass	
	24			23.71	-5.82	15.74	<=38.45	Pass	
	12		0	22.97	-5.82	15.00	<=38.45	Pass	
			6	23.07	-5.82	15.10	<=38.45	Pass	
			13	23.06	-5.82	15.09	<=38.45	Pass	
	25		0	23.03	-5.82	15.06	<=38.45	Pass	
	64QAM	826.5	1	0	23.71	-5.82	15.74	<=38.45	Pass
				13	23.68	-5.82	15.71	<=38.45	Pass
24				23.42	-5.82	15.45	<=38.45	Pass	
12			0	23.15	-5.82	15.18	<=38.45	Pass	
			6	23.13	-5.82	15.16	<=38.45	Pass	
			13	23.10	-5.82	15.13	<=38.45	Pass	
25			0	23.10	-5.82	15.13	<=38.45	Pass	
836.5		1	0	23.67	-5.82	15.70	<=38.45	Pass	
			13	23.73	-5.82	15.76	<=38.45	Pass	
			24	23.51	-5.82	15.54	<=38.45	Pass	
		12	0	23.16	-5.82	15.19	<=38.45	Pass	
			6	23.12	-5.82	15.15	<=38.45	Pass	
			13	23.13	-5.82	15.16	<=38.45	Pass	
		25	0	23.06	-5.82	15.09	<=38.45	Pass	
846.5		1	0	23.70	-5.82	15.73	<=38.45	Pass	
			13	23.56	-5.82	15.59	<=38.45	Pass	
			24	23.50	-5.82	15.53	<=38.45	Pass	
		12	0	23.00	-5.82	15.03	<=38.45	Pass	
			6	23.01	-5.82	15.04	<=38.45	Pass	
			13	23.11	-5.82	15.14	<=38.45	Pass	
		25	0	23.00	-5.82	15.03	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.97	-5.82	16.00	<=38.45	Pass
			25	24.03	-5.82	16.06	<=38.45	Pass
			49	23.81	-5.82	15.84	<=38.45	Pass
		25	0	23.52	-5.82	15.55	<=38.45	Pass
			13	23.48	-5.82	15.51	<=38.45	Pass
			25	23.66	-5.82	15.69	<=38.45	Pass
		50	0	23.61	-5.82	15.64	<=38.45	Pass
	836.5	1	0	24.02	-5.82	16.05	<=38.45	Pass
			25	24.11	-5.82	16.14	<=38.45	Pass
			49	24.01	-5.82	16.04	<=38.45	Pass

		25	0	23.51	-5.82	15.54	<=38.45	Pass		
			13	23.58	-5.82	15.61	<=38.45	Pass		
			25	23.67	-5.82	15.70	<=38.45	Pass		
		50	0	23.44	-5.82	15.47	<=38.45	Pass		
			844	1	0	24.10	-5.82	16.13	<=38.45	Pass
					25	24.03	-5.82	16.06	<=38.45	Pass
		49			24.04	-5.82	16.07	<=38.45	Pass	
		25		0	23.55	-5.82	15.58	<=38.45	Pass	
				13	23.30	-5.82	15.33	<=38.45	Pass	
	25			23.66	-5.82	15.69	<=38.45	Pass		
	50	0	23.47	-5.82	15.50	<=38.45	Pass			
	16QAM	829	1	0	23.68	-5.82	15.71	<=38.45	Pass	
25				23.27	-5.82	15.30	<=38.45	Pass		
49				23.50	-5.82	15.53	<=38.45	Pass		
25			0	23.07	-5.82	15.10	<=38.45	Pass		
			13	23.15	-5.82	15.18	<=38.45	Pass		
			25	23.11	-5.82	15.14	<=38.45	Pass		
			50	0	23.16	-5.82	15.19	<=38.45	Pass	
			836.5	1	0	23.60	-5.82	15.63	<=38.45	Pass
25					23.05	-5.82	15.08	<=38.45	Pass	
49		23.60			-5.82	15.63	<=38.45	Pass		
25		0		23.14	-5.82	15.17	<=38.45	Pass		
		13		23.11	-5.82	15.14	<=38.45	Pass		
		25		23.18	-5.82	15.21	<=38.45	Pass		
50		0	23.05	-5.82	15.08	<=38.45	Pass			
844		1	0	23.63	-5.82	15.66	<=38.45	Pass		
			25	23.59	-5.82	15.62	<=38.45	Pass		
			49	23.49	-5.82	15.52	<=38.45	Pass		
		25	0	23.16	-5.82	15.19	<=38.45	Pass		
			13	23.06	-5.82	15.09	<=38.45	Pass		
			25	23.07	-5.82	15.10	<=38.45	Pass		
		50	0	22.98	-5.82	15.01	<=38.45	Pass		
		64QAM	829	1	0	23.74	-5.82	15.77	<=38.45	Pass
					25	23.51	-5.82	15.54	<=38.45	Pass
49					23.27	-5.82	15.30	<=38.45	Pass	
25	0			23.10	-5.82	15.13	<=38.45	Pass		
	13			23.14	-5.82	15.17	<=38.45	Pass		
	25			23.14	-5.82	15.17	<=38.45	Pass		
	50			0	23.13	-5.82	15.16	<=38.45	Pass	
	836.5			1	0	23.53	-5.82	15.56	<=38.45	Pass
25					23.51	-5.82	15.54	<=38.45	Pass	
49			23.41		-5.82	15.44	<=38.45	Pass		
25			0	23.18	-5.82	15.21	<=38.45	Pass		
			13	23.15	-5.82	15.18	<=38.45	Pass		
			25	23.14	-5.82	15.17	<=38.45	Pass		
50	0		23.14	-5.82	15.17	<=38.45	Pass			
844	1		0	23.31	-5.82	15.34	<=38.45	Pass		
			25	23.59	-5.82	15.62	<=38.45	Pass		
			49	23.61	-5.82	15.64	<=38.45	Pass		
	25		0	23.08	-5.82	15.11	<=38.45	Pass		
		13	23.02	-5.82	15.05	<=38.45	Pass			
		25	23.02	-5.82	15.05	<=38.45	Pass			
	50	0	23.02	-5.82	15.05	<=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	0.500	0.0006	-2.5 to 2.5	Pass
					NV	1.500	0.0018	-2.5 to 2.5	Pass
					HV	-1.000	-0.0012	-2.5 to 2.5	Pass
				-30	NV	-1.900	-0.0023	-2.5 to 2.5	Pass
				-20	NV	-2.600	-0.0031	-2.5 to 2.5	Pass
				-10	NV	-1.000	-0.0012	-2.5 to 2.5	Pass
				0	NV	0.100	0.0001	-2.5 to 2.5	Pass
				10	NV	-0.400	-0.0005	-2.5 to 2.5	Pass
				30	NV	0.600	0.0007	-2.5 to 2.5	Pass
				40	NV	0.800	0.0010	-2.5 to 2.5	Pass
				50	NV	-0.500	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

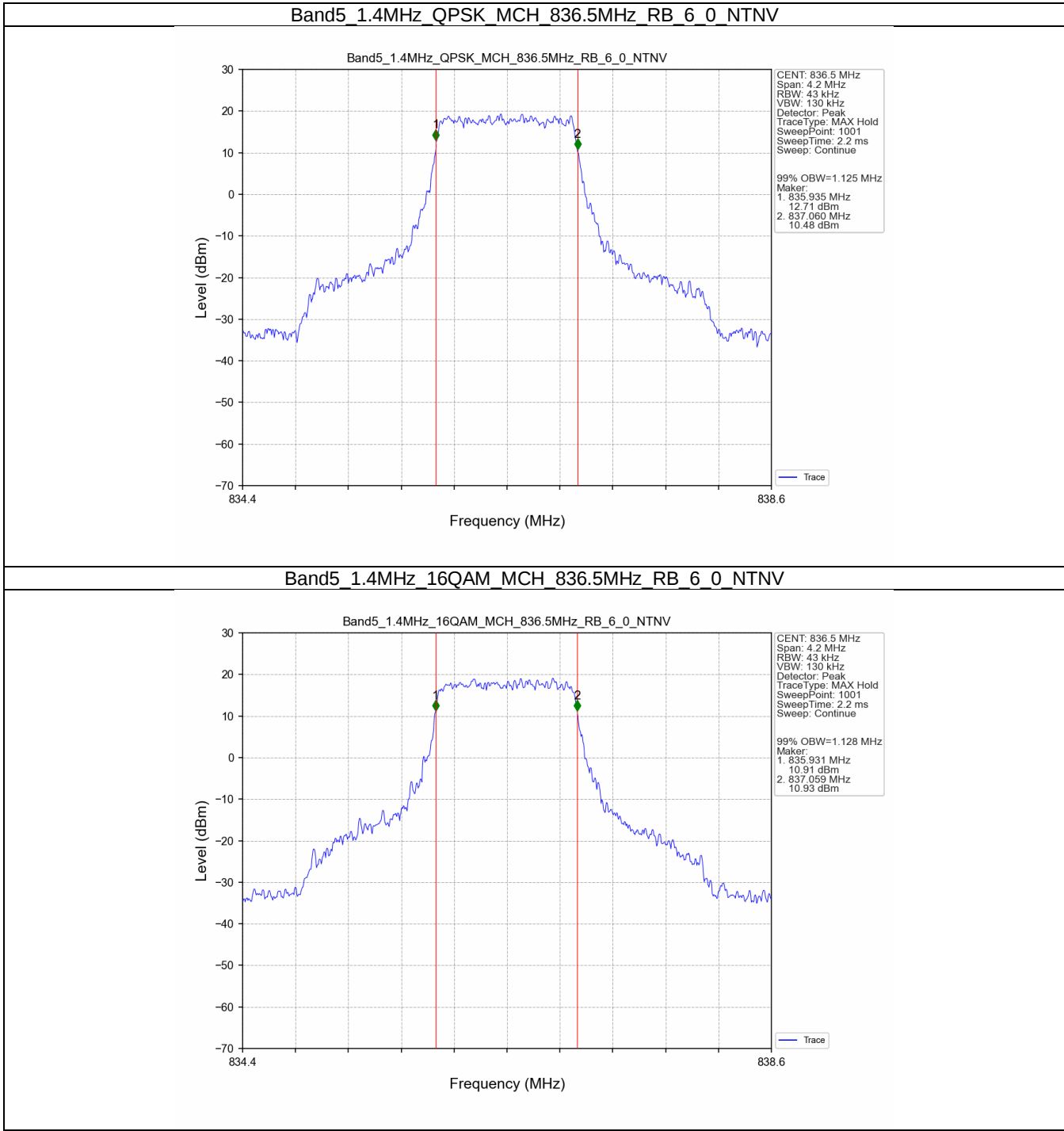
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.125	/	Pass
	16QAM	836.5	6	0	1.128	/	Pass
3	QPSK	836.5	15	0	2.745	/	Pass
	16QAM	836.5	15	0	2.738	/	Pass
5	QPSK	836.5	25	0	4.550	/	Pass
	16QAM	836.5	25	0	4.552	/	Pass
10	QPSK	836.5	50	0	9.109	/	Pass
	16QAM	836.5	50	0	9.078	/	Pass

3.1.2 Band5_XDB

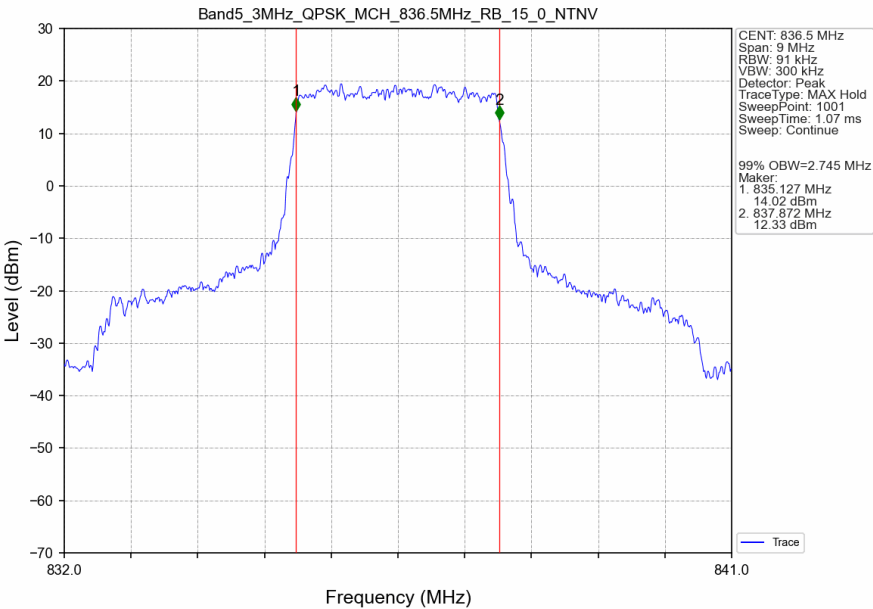
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.409	/	Pass
	16QAM	836.5	6	0	1.502	/	Pass
3	QPSK	836.5	15	0	3.145	/	Pass
	16QAM	836.5	15	0	3.130	/	Pass
5	QPSK	836.5	25	0	5.255	/	Pass
	16QAM	836.5	25	0	5.195	/	Pass
10	QPSK	836.5	50	0	10.244	/	Pass
	16QAM	836.5	50	0	10.188	/	Pass

3.2 Test Graph

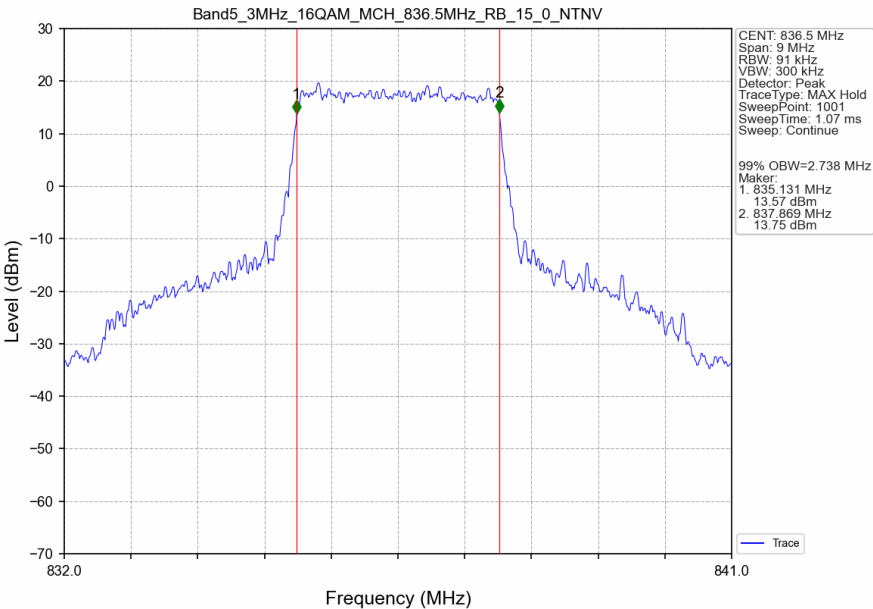
3.2.1 Band5_OBW



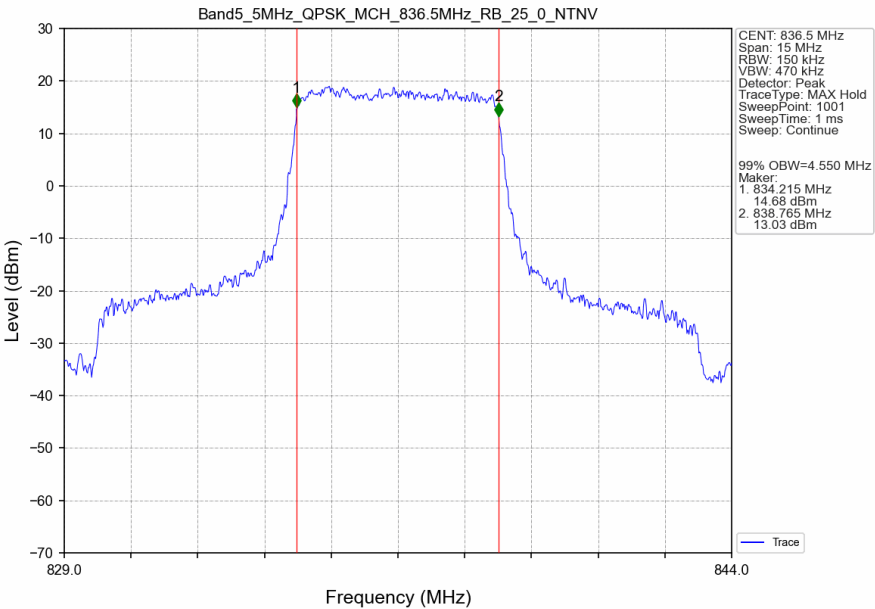
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



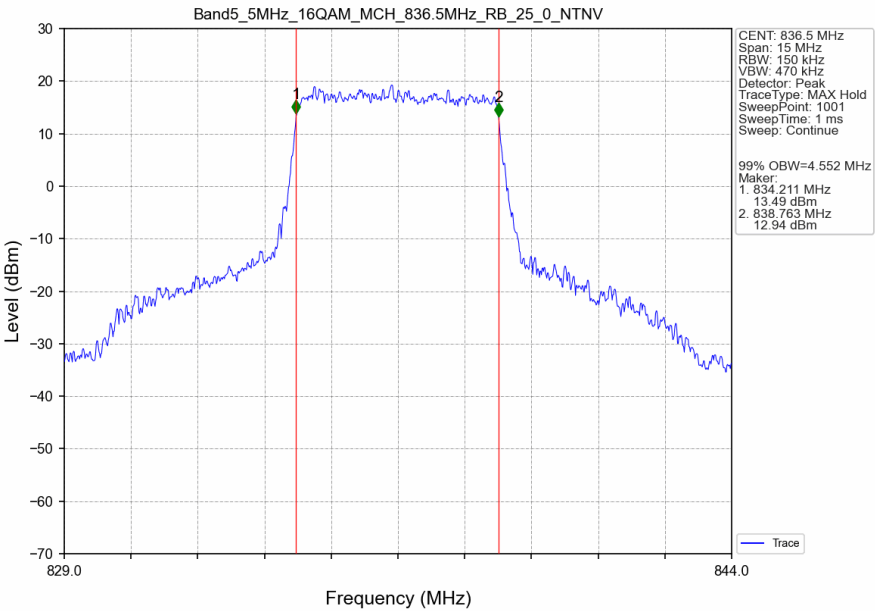
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



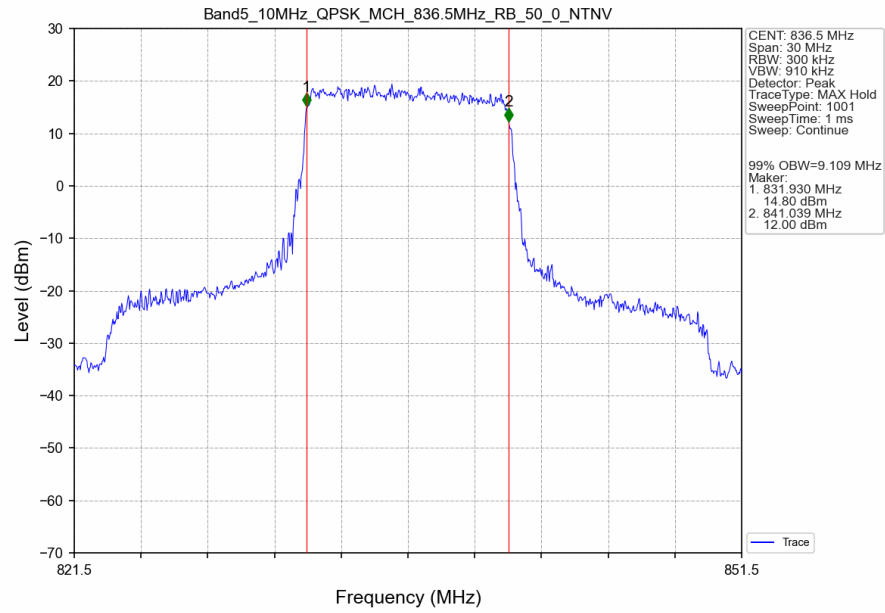
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



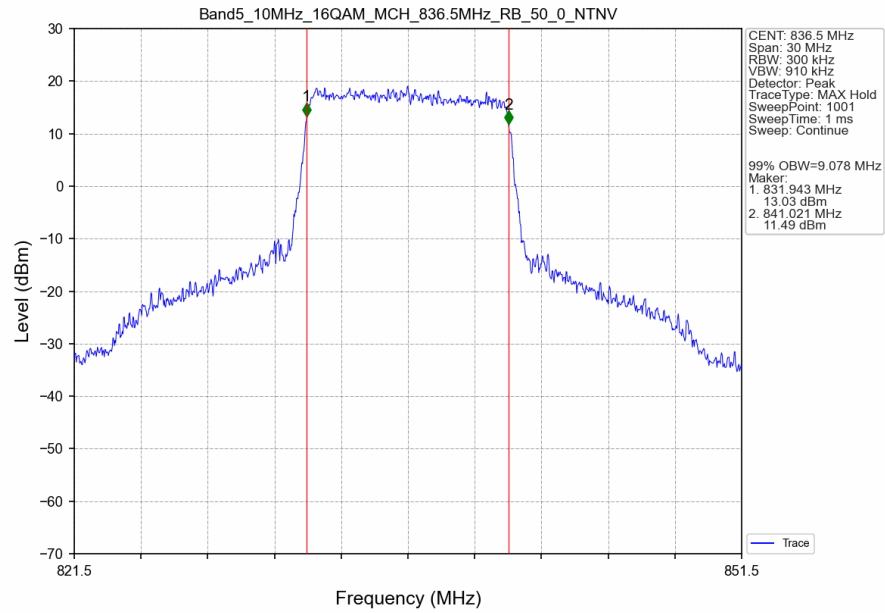
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



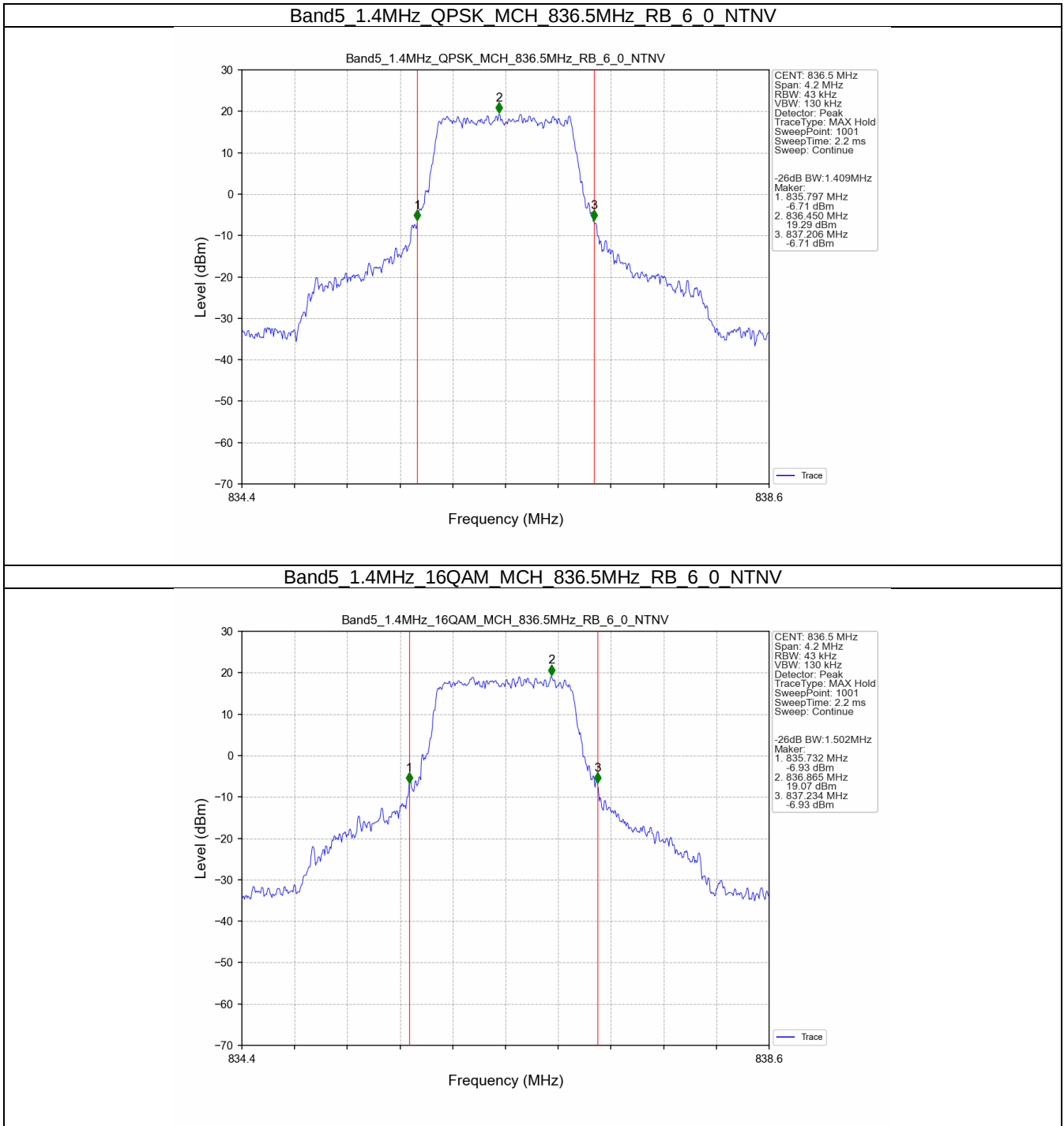
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



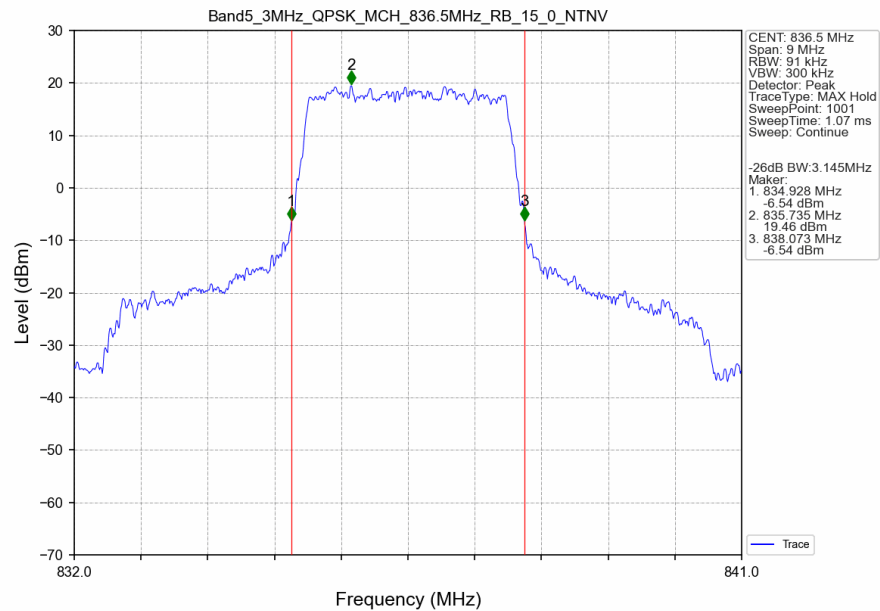
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



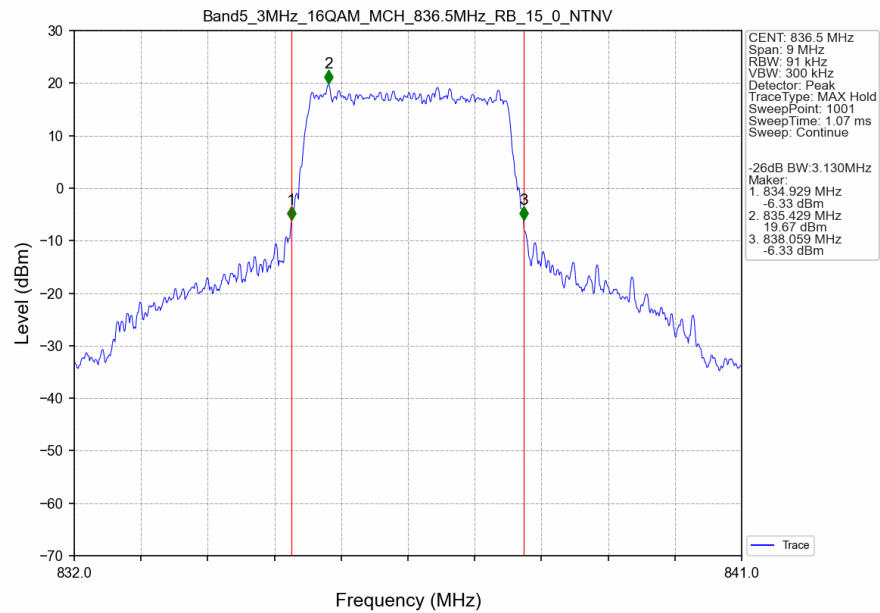
3.2.2 Band5_XDB



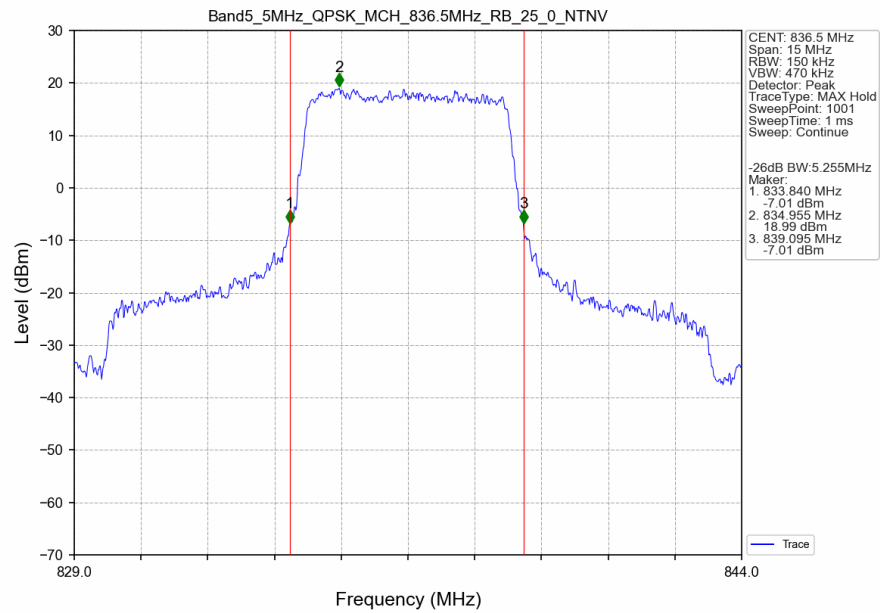
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



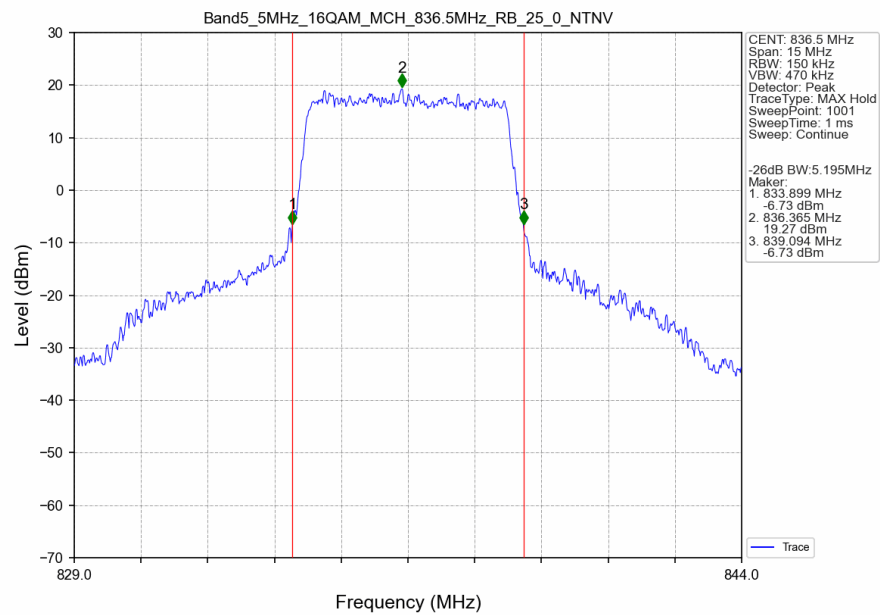
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



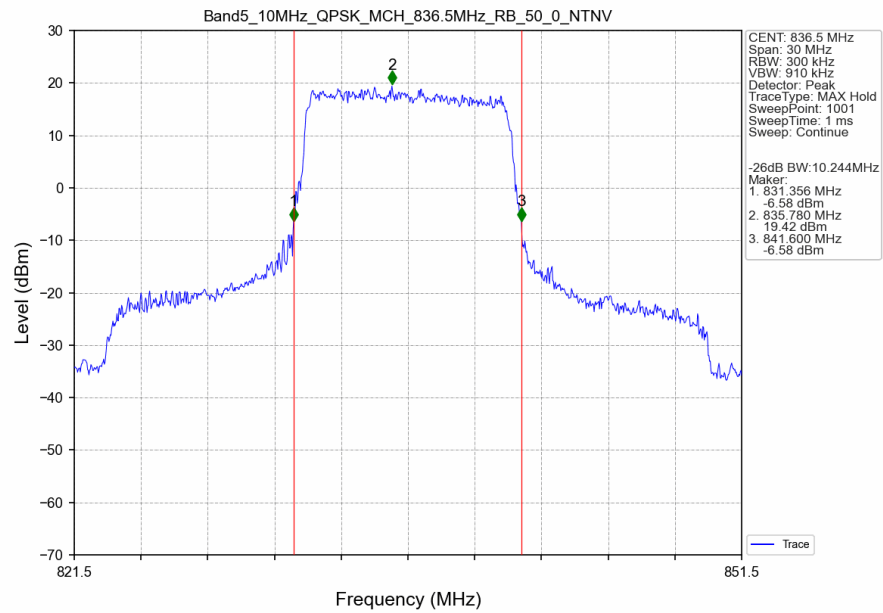
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



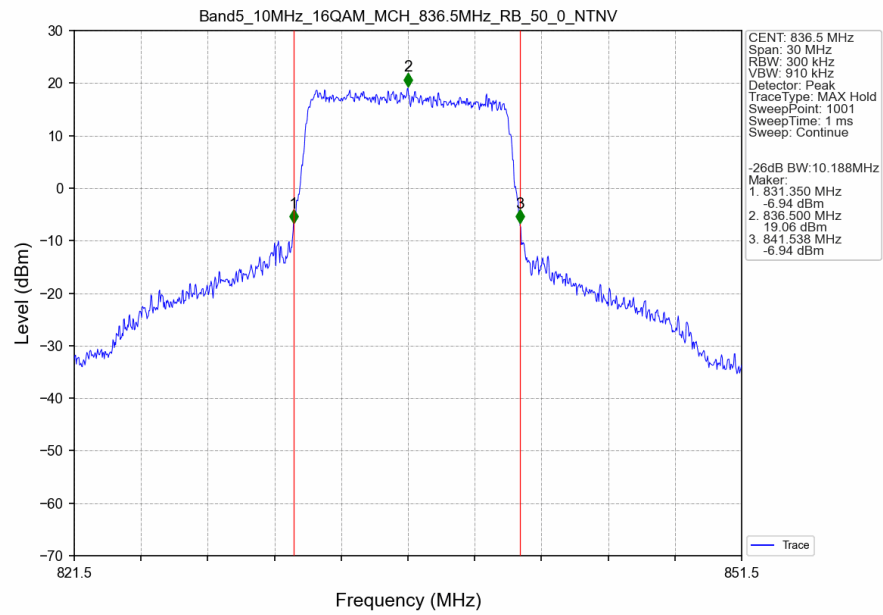
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



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



4. Peak-Average Ratio

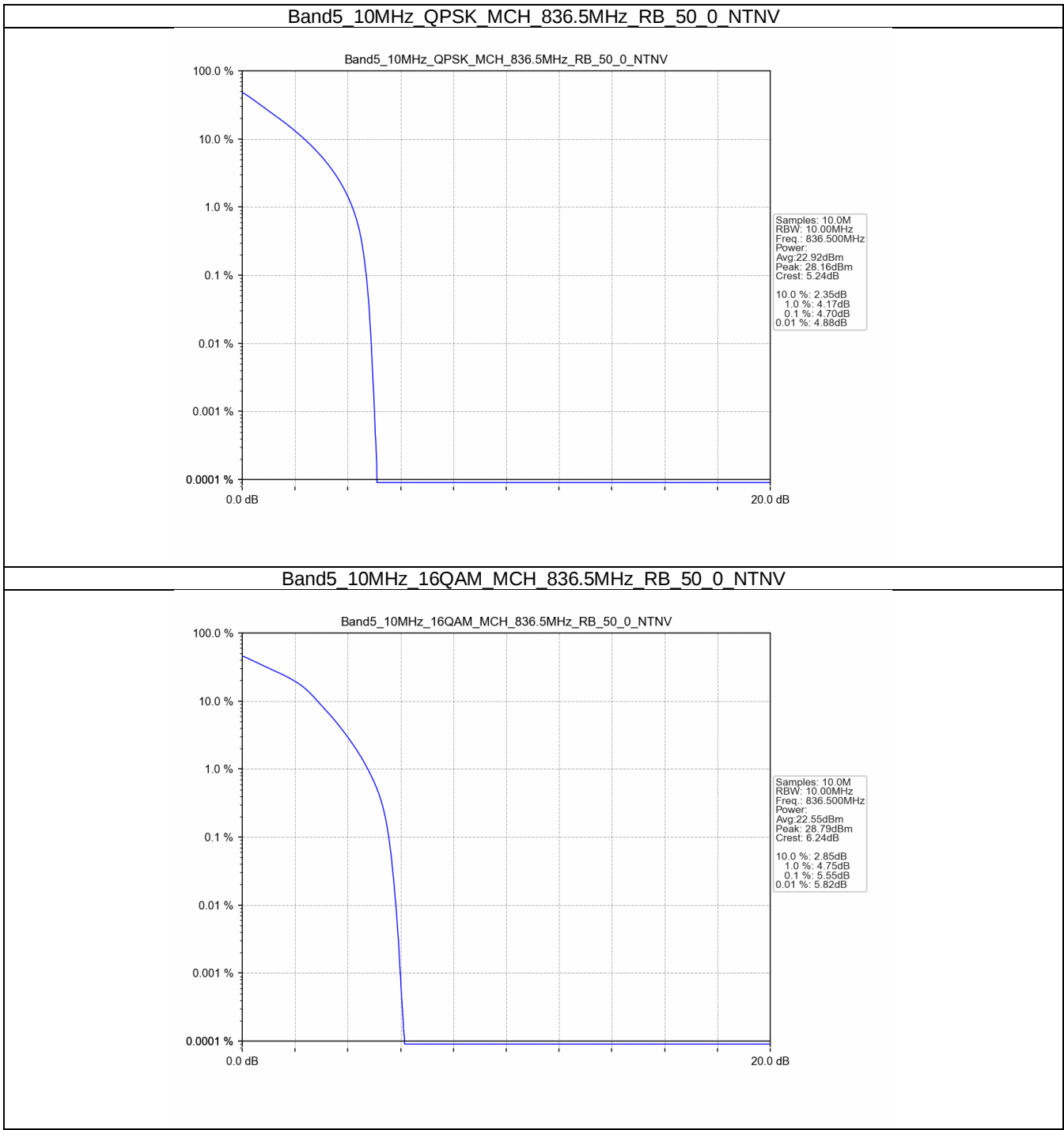
4.1 Test Result

4.1.1 B5_10MHz

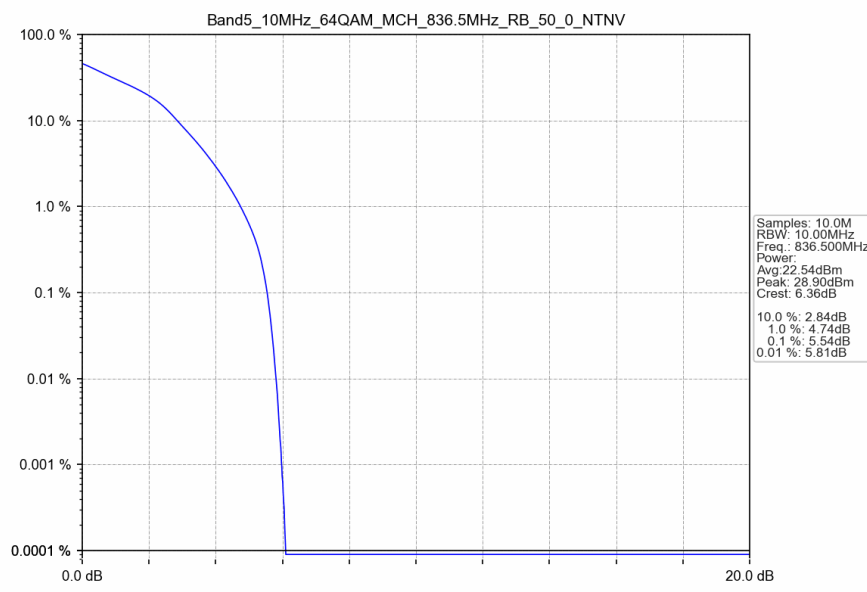
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.70	<=13	Pass
16QAM	836.5	50	0	5.55	<=13	Pass
64QAM	836.5	50	0	5.54	<=13	Pass

4.2 Test Graph

4.2.1 B5_10MHz



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 / 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

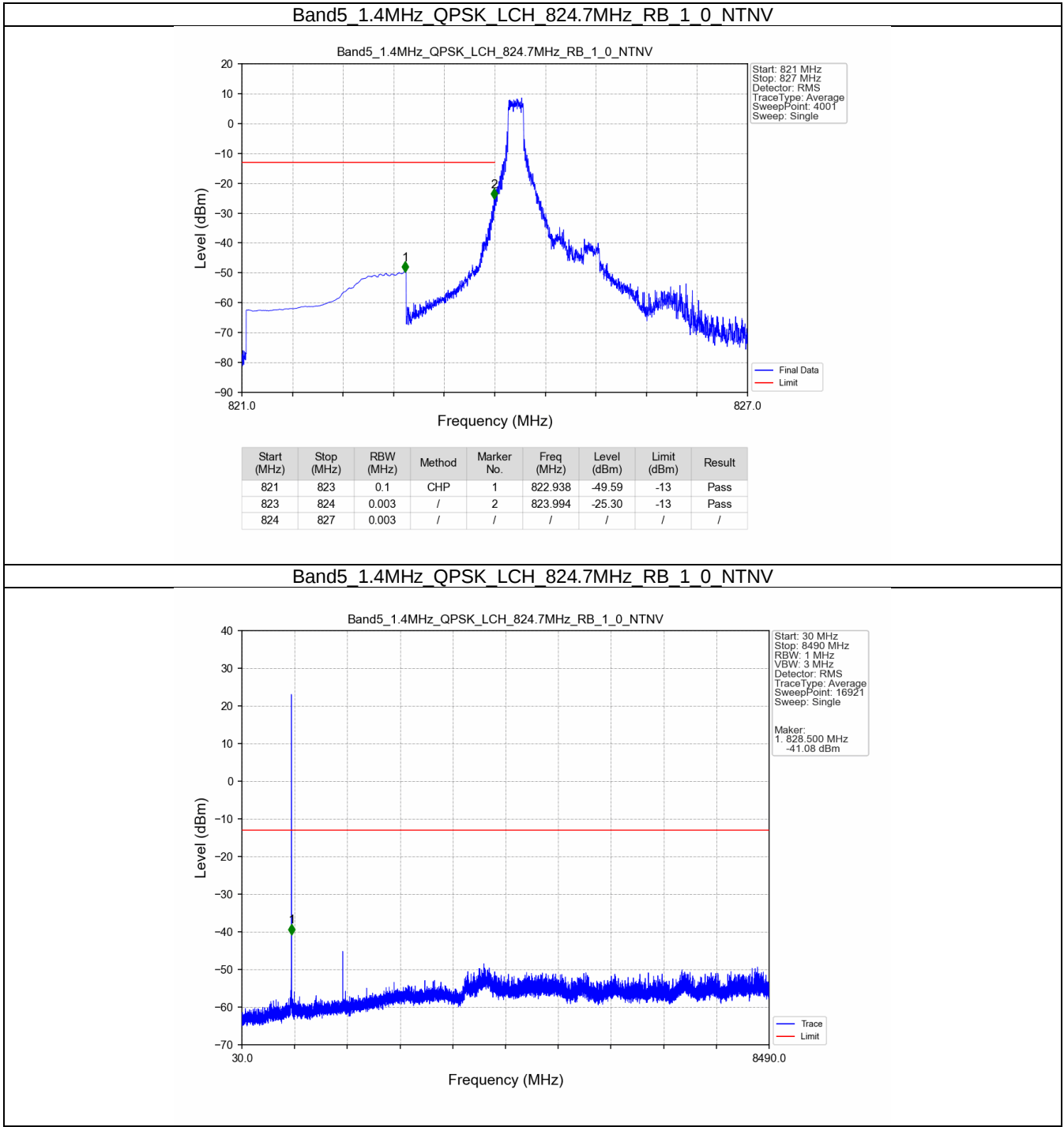
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

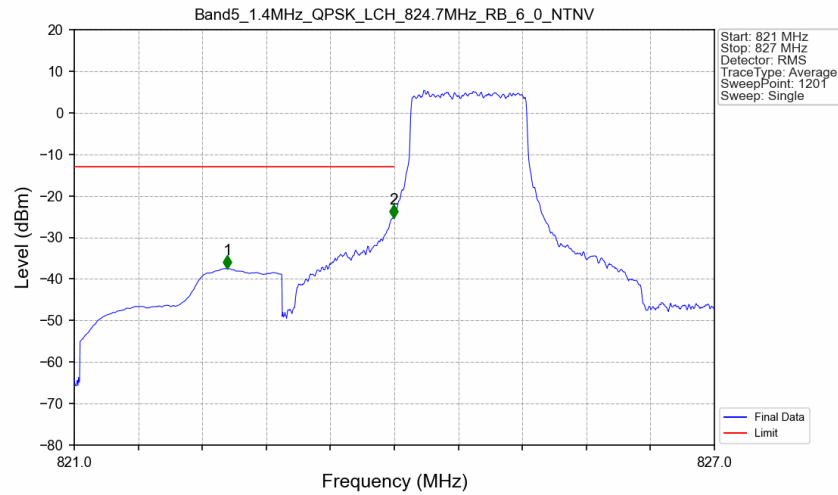
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

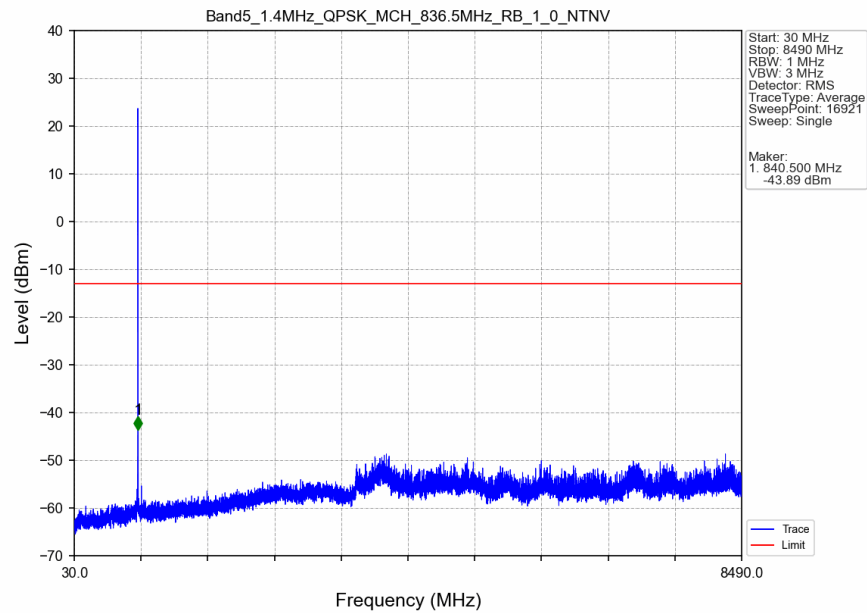


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

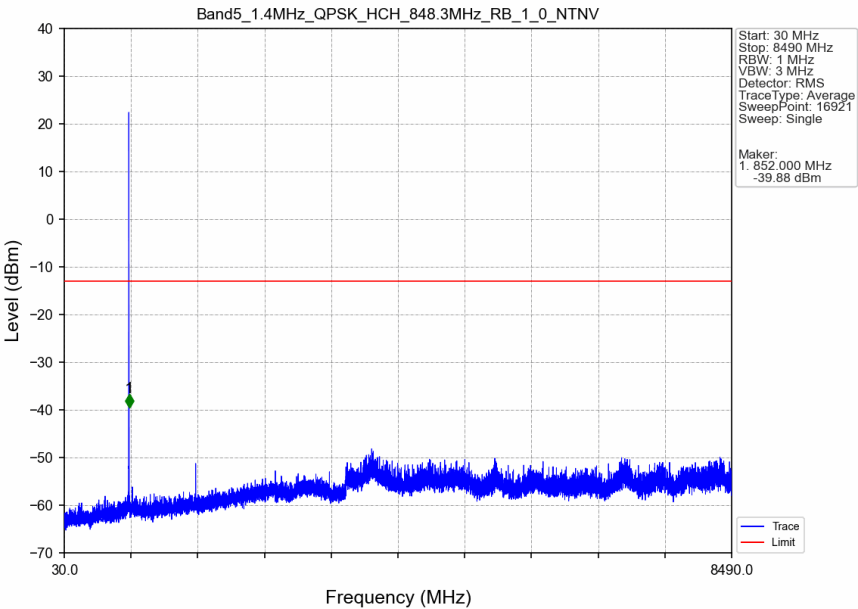


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.435	-37.49	-13	Pass
823	824	0.014	CHP	2	823.995	-25.36	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

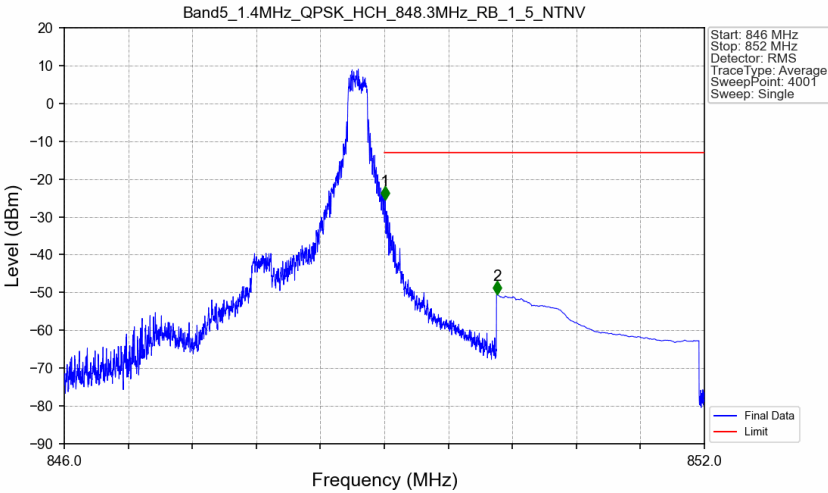
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTV

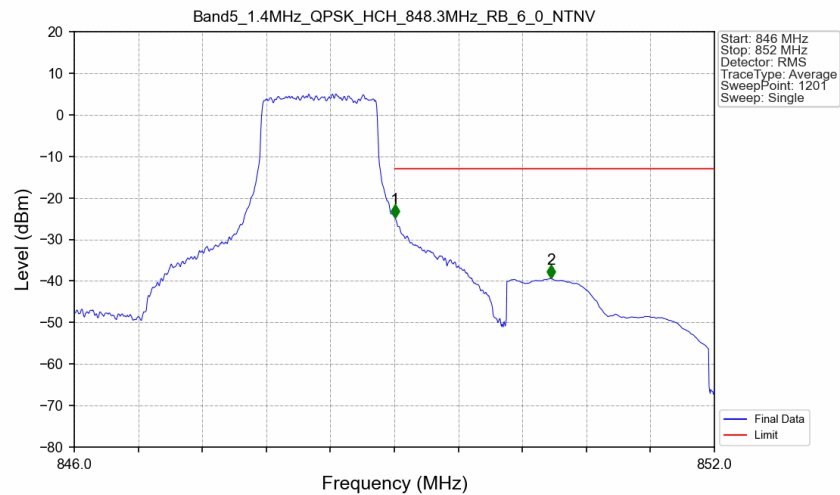


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTV



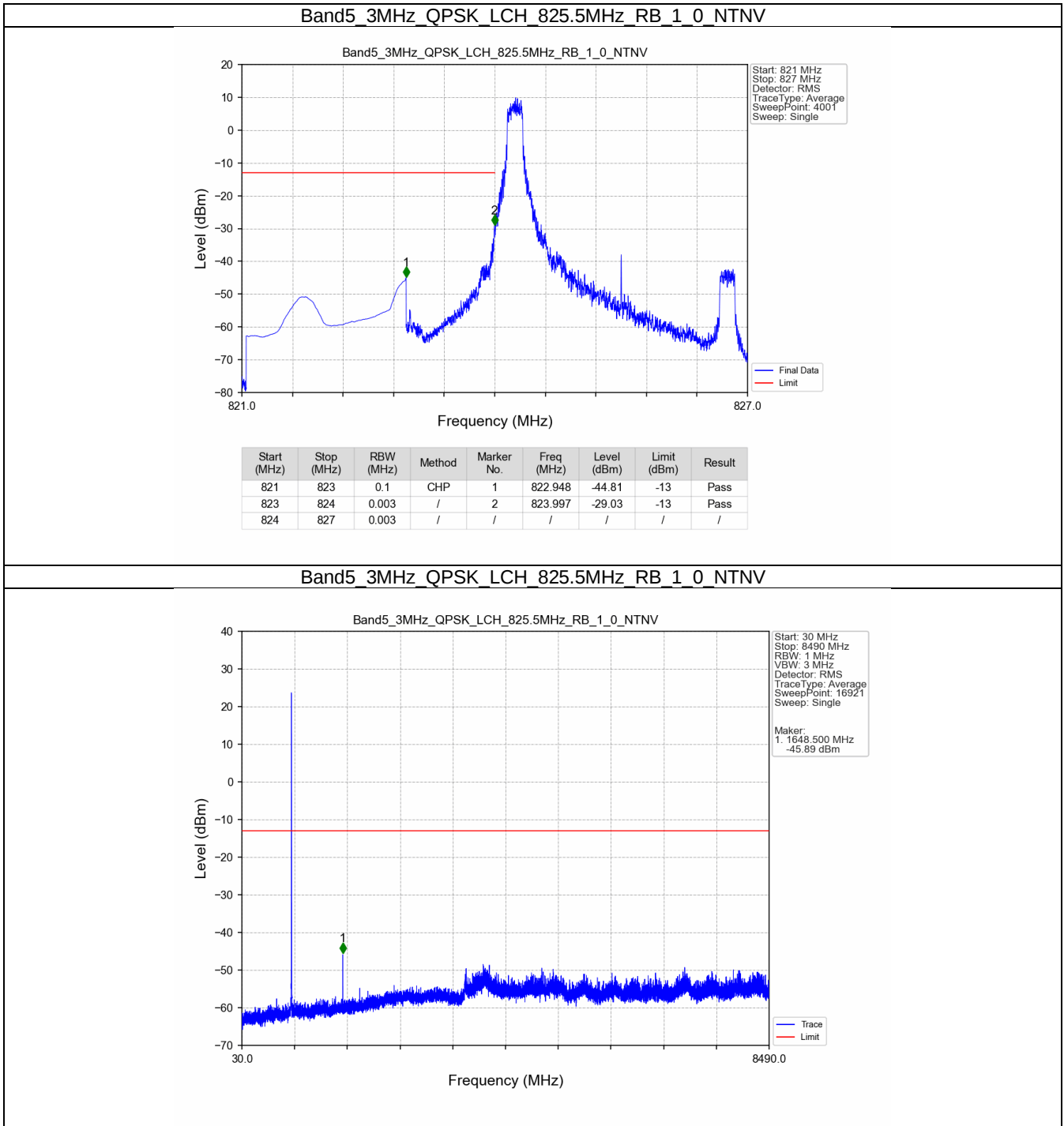
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-25.36	-13	Pass
850	852	0.1	CHP	2	850.059	-50.46	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

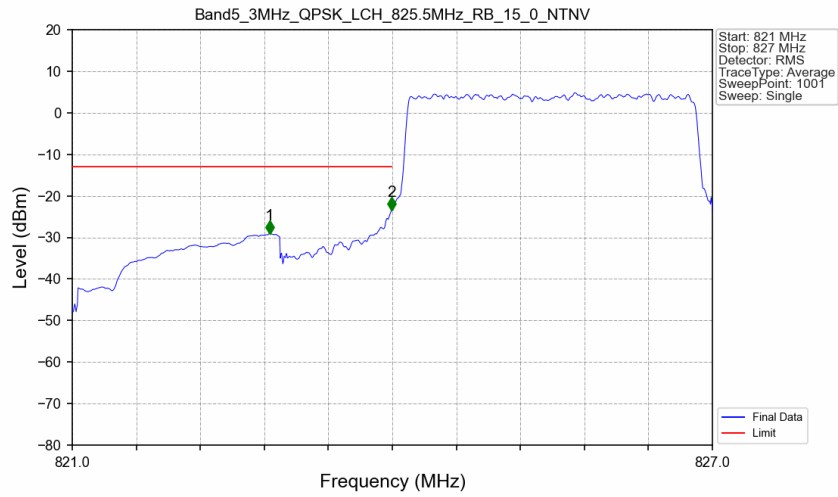


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.005	-24.77	-13	Pass
850	852	0.1	CHP	2	850.470	-39.40	-13	Pass

5.2.2 B5_3MHz

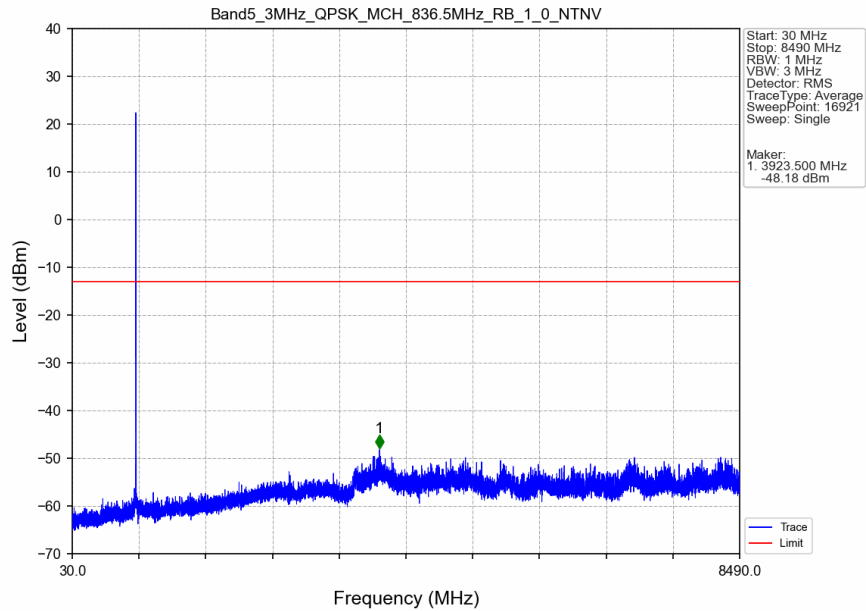


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

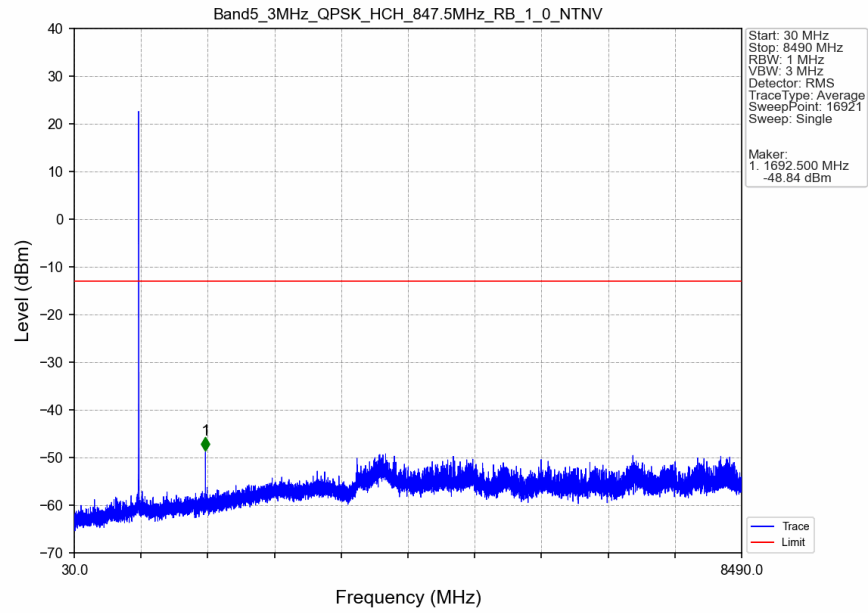


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.848	-29.09	-13	Pass
823	824	0.031	CHP	2	823.994	-23.43	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

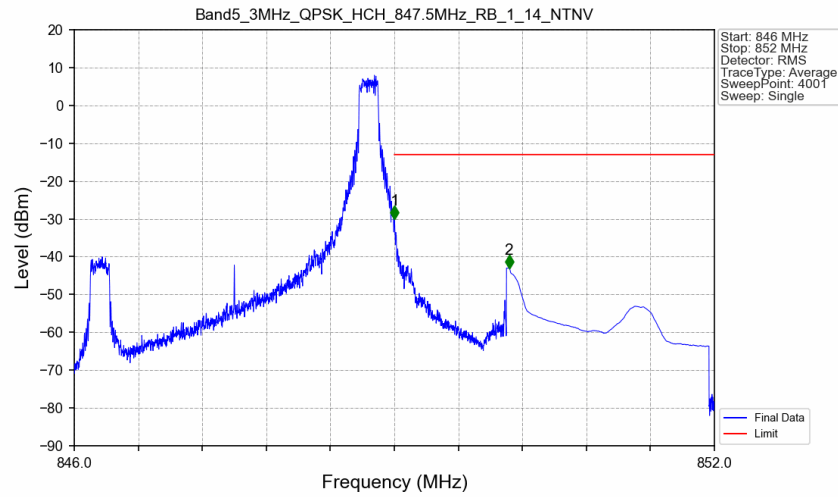
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

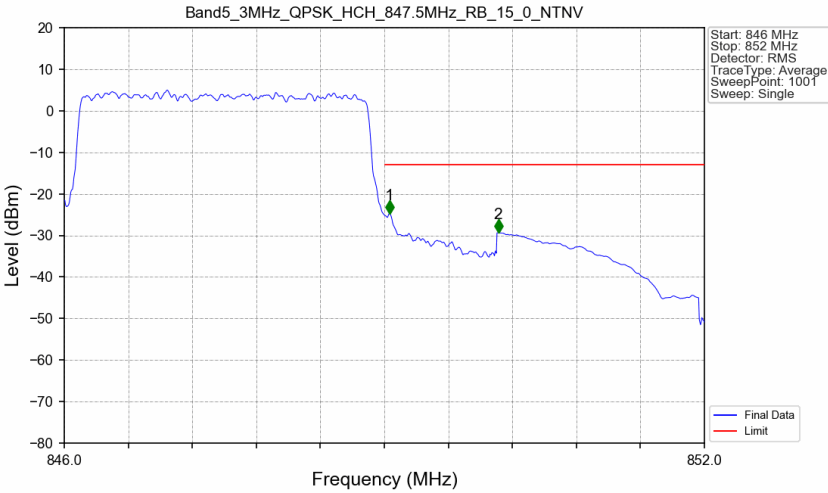


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



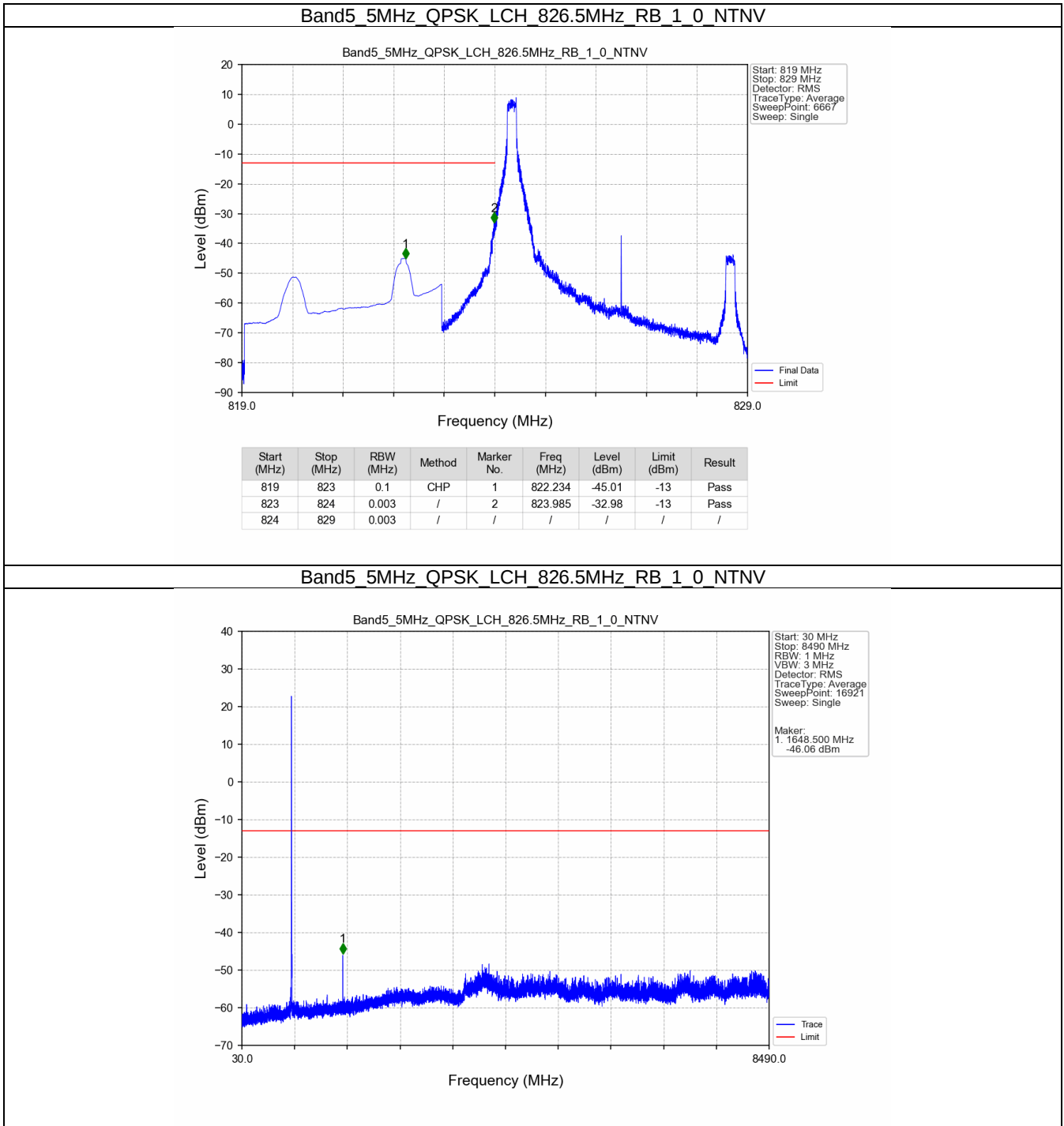
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.00	-13	Pass
850	852	0.1	CHP	2	850.076	-42.99	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

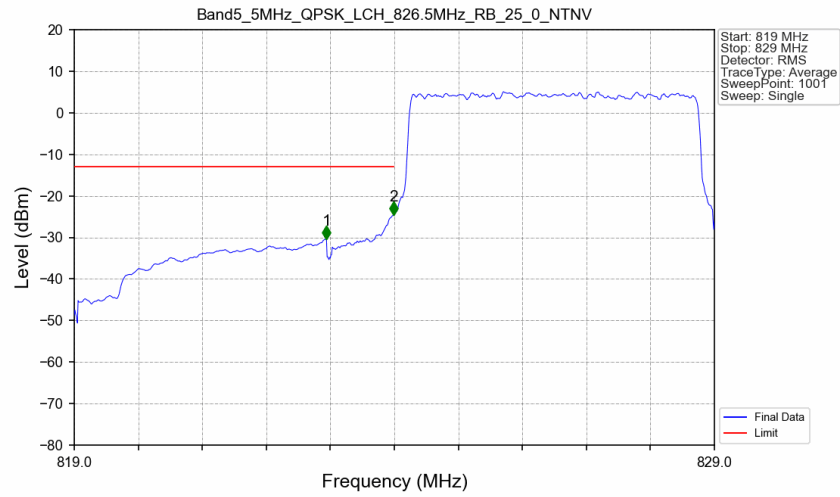


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.048	-24.69	-13	Pass
850	852	0.1	CHP	2	850.068	-29.36	-13	Pass

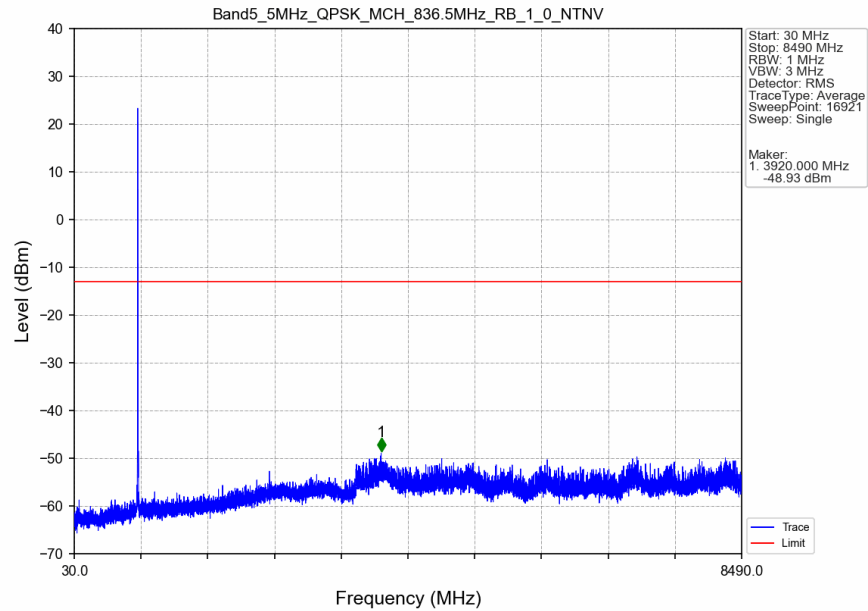
5.2.3 B5_5MHz



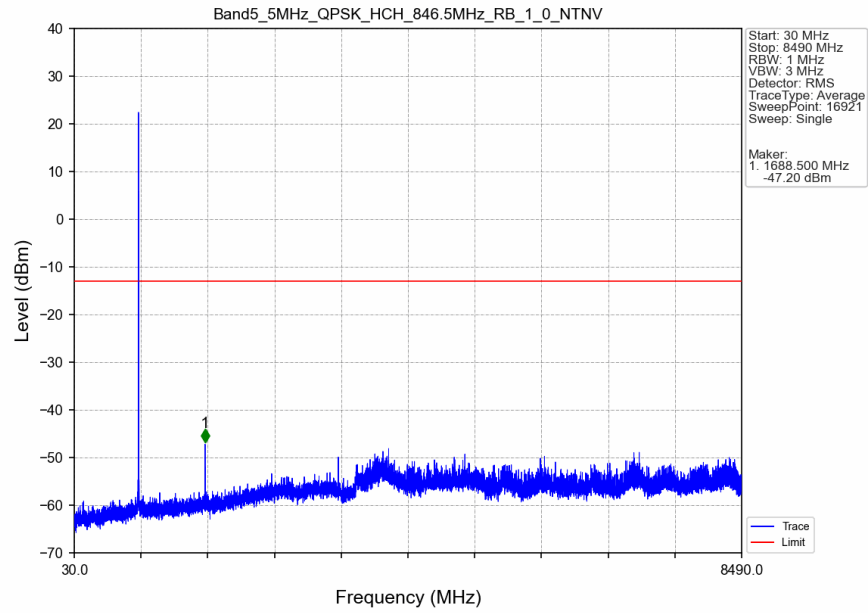
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



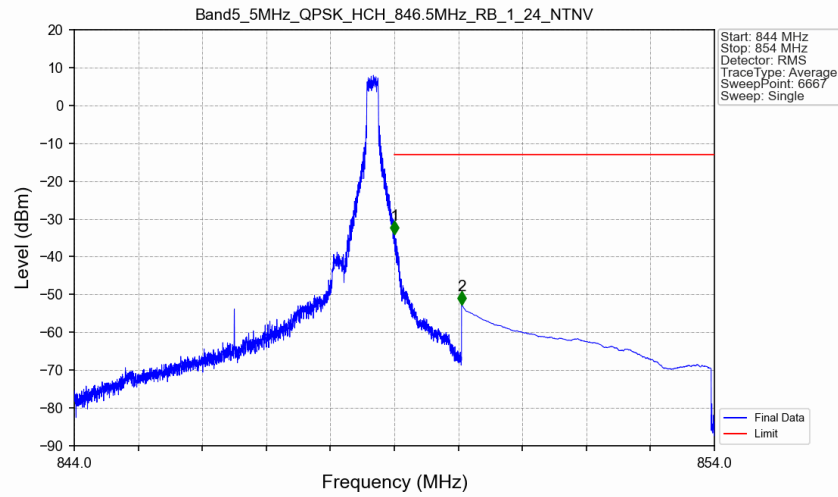
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

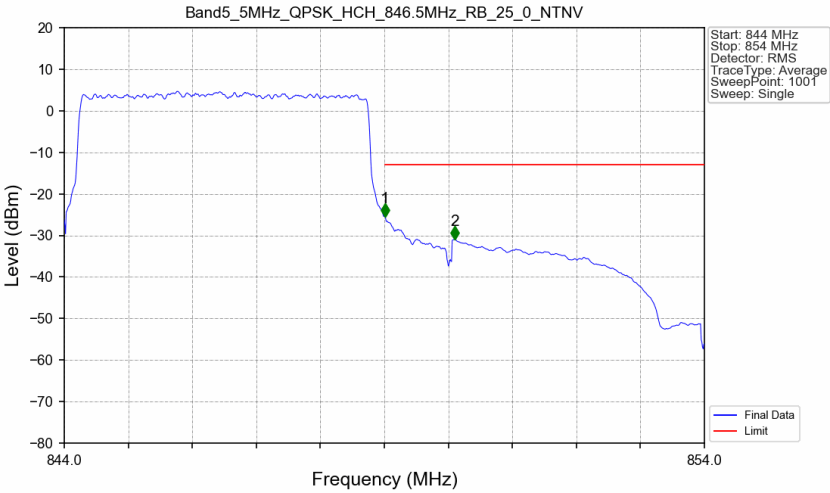


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



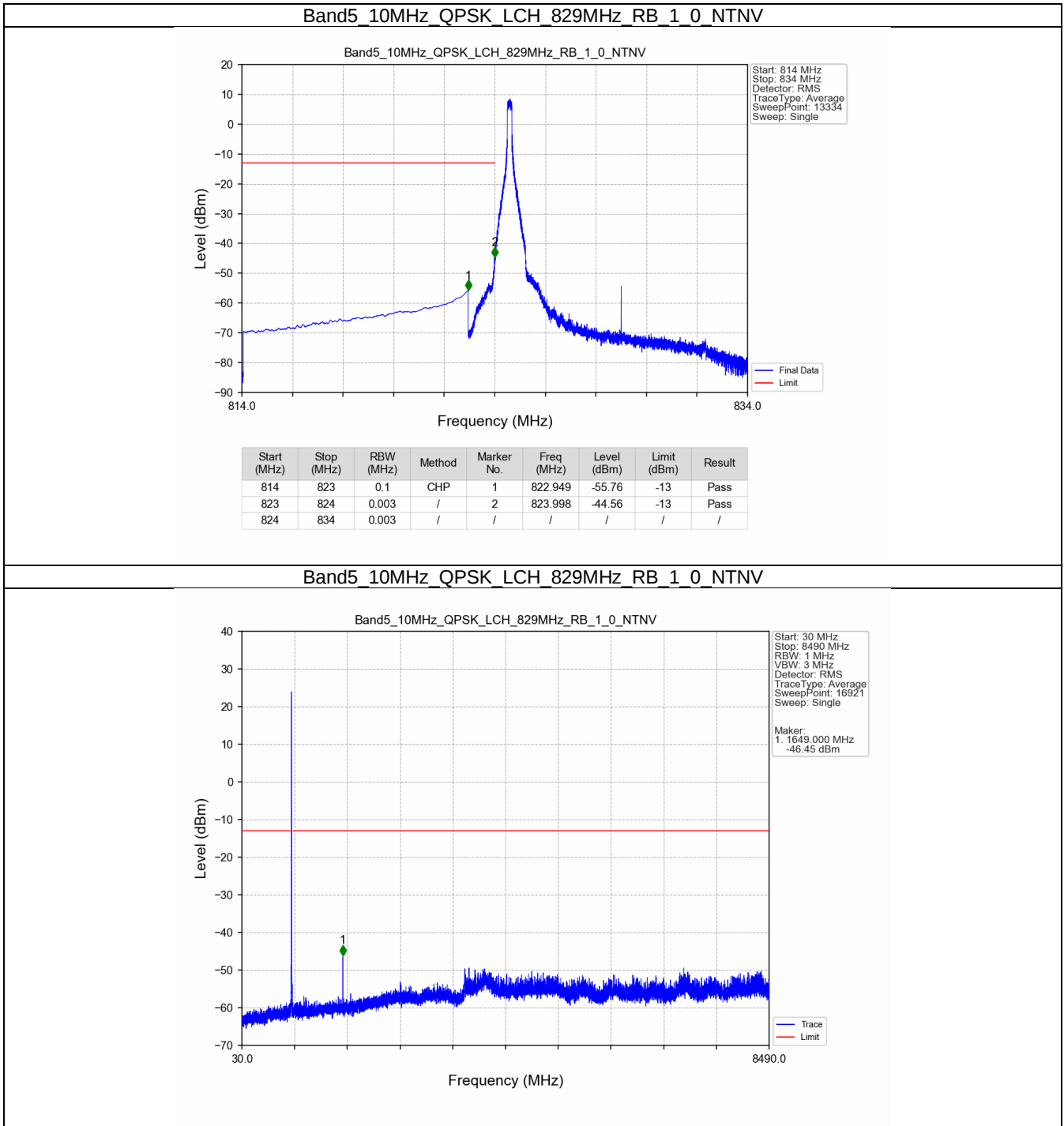
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-34.06	-13	Pass
850	854	0.1	CHP	2	850.050	-52.74	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

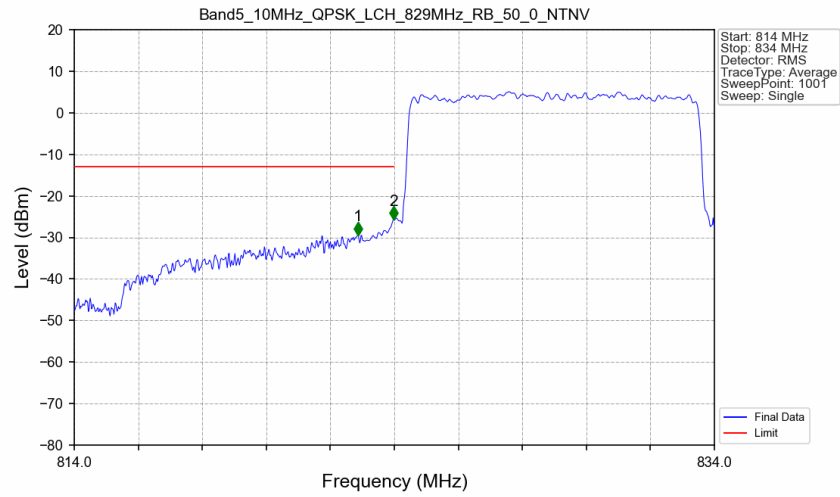


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.010	-25.45	-13	Pass
850	854	0.1	CHP	2	850.100	-30.94	-13	Pass

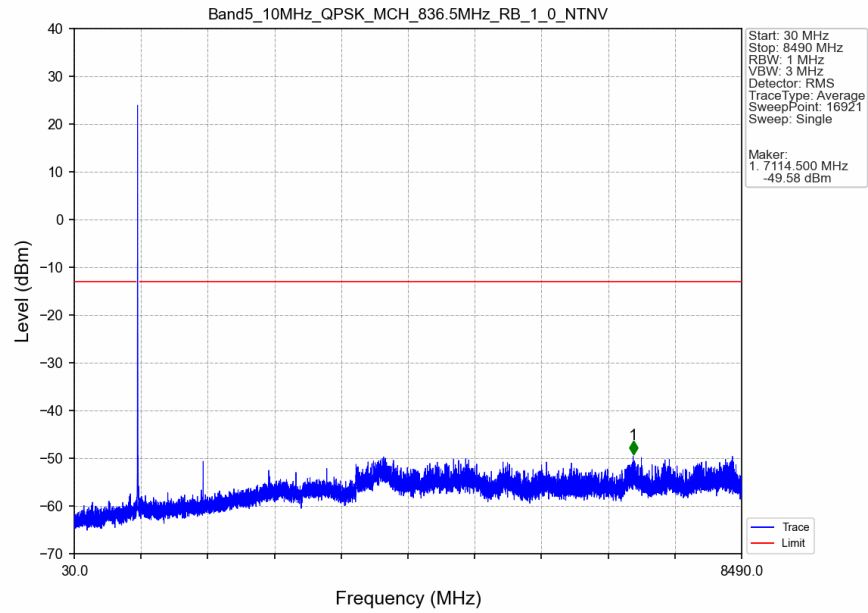
5.2.4 B5_10MHz



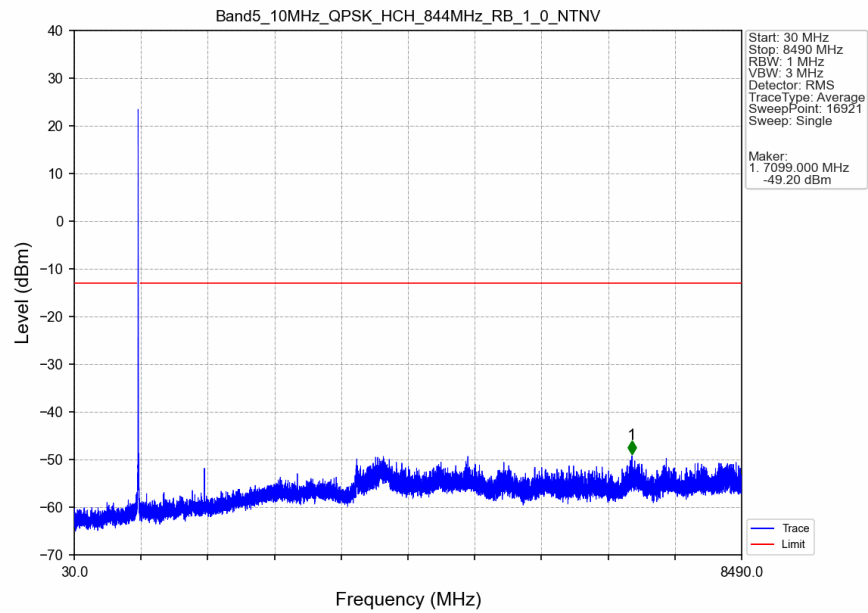
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



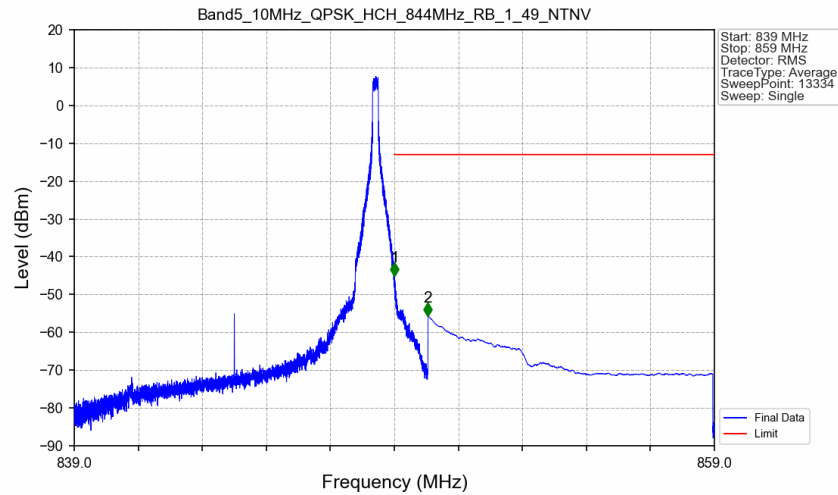
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

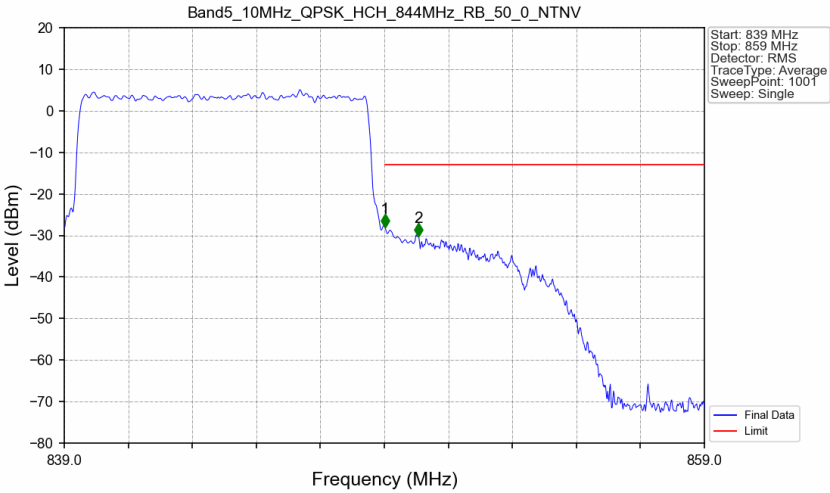


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	-45.05	-13	Pass
850	859	0.1	CHP	2	850.051	-55.65	-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	0.102	CHP	/	/	/	/	/
849	850	0.102	CHP	1	849.020	-28.09	-13	Pass
850	859	0.1	/	2	850.060	-30.19	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5 ANT0-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	-70.56	-13	-57.56	-73.44	2.62	5.5	Horizontal	Pass
2473.5	-69.48	-13	-56.48	-72.18	3.06	5.76	Horizontal	Pass
3298.0	-63.61	-13	-50.61	-67.97	3.3	7.66	Horizontal	Pass
1649.0	-71.42	-13	-58.42	-74.3	2.62	5.5	Vertical	Pass
2473.5	-69.08	-13	-56.08	-71.78	3.06	5.76	Vertical	Pass
3298.0	-66.62	-13	-53.62	-70.98	3.3	7.66	Vertical	Pass

LTE Band 5 ANT0-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	-71.55	-13	-58.55	-74.39	2.63	5.47	Horizontal	Pass
2496.0	-69.14	-13	-56.14	-71.87	3.08	5.81	Horizontal	Pass
3328.0	-66.64	-13	-53.64	-71.07	3.31	7.74	Horizontal	Pass
1664.0	-71.54	-13	-58.54	-74.38	2.63	5.47	Vertical	Pass
2496.0	-68.69	-13	-55.69	-71.42	3.08	5.81	Vertical	Pass
3328.0	-67.22	-13	-54.22	-71.65	3.31	7.74	Vertical	Pass

LTE Band 5 ANT0-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	-71.52	-13	-58.52	-74.32	2.63	5.43	Horizontal	Pass
2518.5	-69.2	-13	-56.2	-71.98	3.08	5.86	Horizontal	Pass
3358.0	-62.58	-13	-49.58	-67.07	3.33	7.82	Horizontal	Pass
1679.0	-71.82	-13	-58.82	-74.62	2.63	5.43	Vertical	Pass
2518.5	-69.15	-13	-56.15	-71.93	3.08	5.86	Vertical	Pass
3358.0	-63.6	-13	-50.6	-68.09	3.33	7.82	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	-66.45	-13	-53.45	-71.07	3.36	7.98	Horizontal	Pass
5133.0	-63.17	-13	-50.17	-68.78	4.61	10.22	Horizontal	Pass
6844.0	-61.12	-13	-48.12	-67.15	4.9	10.93	Horizontal	Pass
3422.0	-66.79	-13	-53.79	-71.41	3.36	7.98	Vertical	Pass
5133.0	-62.98	-13	-49.98	-68.59	4.61	10.22	Vertical	Pass
6844.0	-61.47	-13	-48.47	-67.5	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	-67.01	-13	-54.01	-71.72	3.39	8.1	Horizontal	Pass
5208.0	-63.35	-13	-50.35	-68.98	4.64	10.27	Horizontal	Pass
6944.0	-61.66	-13	-48.66	-67.81	4.91	11.06	Horizontal	Pass
3472.0	-67.38	-13	-54.38	-72.09	3.39	8.1	Vertical	Pass
5208.0	-63.58	-13	-50.58	-69.21	4.64	10.27	Vertical	Pass
6944.0	-61.66	-13	-48.66	-67.81	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	-67.04	-13	-54.04	-71.82	3.42	8.2	Horizontal	Pass
5283.0	-62.31	-13	-49.31	-67.97	4.66	10.32	Horizontal	Pass
7044.0	-61.61	-13	-48.61	-67.87	4.92	11.18	Horizontal	Pass
3522.0	-67.07	-13	-54.07	-71.85	3.42	8.2	Vertical	Pass
5283.0	-63.4	-13	-50.4	-69.06	4.66	10.32	Vertical	Pass
7044.0	-61.26	-13	-48.26	-67.52	4.92	11.18	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	-62.72	-25	-37.72	-68.29	4.57	10.14	Horizontal	Pass
7503.0	-59.9	-25	-34.9	-66.7	4.94	11.74	Horizontal	Pass
10004.0	-57.12	-25	-32.12	-64.69	5.46	13.03	Horizontal	Pass
5002.0	-62.39	-25	-37.39	-67.96	4.57	10.14	Vertical	Pass
7503.0	-59.96	-25	-34.96	-66.76	4.94	11.74	Vertical	Pass
10004.0	-56.59	-25	-31.59	-64.16	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	-63.78	-25	-38.78	-69.36	4.59	10.17	Horizontal	Pass
7578.0	-60.57	-25	-35.57	-67.45	4.95	11.83	Horizontal	Pass
10104.0	-57.22	-25	-32.22	-64.79	5.48	13.05	Horizontal	Pass
5052.0	-63.6	-25	-38.6	-69.18	4.59	10.17	Vertical	Pass
7578.0	-60.8	-25	-35.8	-67.68	4.95	11.83	Vertical	Pass
10104.0	-57.51	-25	-32.51	-65.08	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	-63.9	-25	-38.9	-69.5	4.6	10.2	Horizontal	Pass
7653.0	-60.36	-25	-35.36	-67.33	4.95	11.92	Horizontal	Pass
10204.0	-57.68	-25	-32.68	-65.26	5.49	13.07	Horizontal	Pass
5102.0	-63.91	-25	-38.91	-69.51	4.6	10.2	Vertical	Pass
7653.0	-60.18	-25	-35.18	-67.15	4.95	11.92	Vertical	Pass
10204.0	-57.61	-25	-32.61	-65.19	5.49	13.07	Vertical	Pass