

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.68	-4.36	17.17	<=38.45	Pass
			2	23.68	-4.36	17.17	<=38.45	Pass
			5	23.67	-4.36	17.16	<=38.45	Pass
		3	0	23.75	-4.36	17.24	<=38.45	Pass
			2	23.77	-4.36	17.26	<=38.45	Pass
			3	23.78	-4.36	17.27	<=38.45	Pass
		6	0	22.75	-4.36	16.24	<=38.45	Pass
	836.5	1	0	23.68	-4.36	17.17	<=38.45	Pass
			2	23.50	-4.36	16.99	<=38.45	Pass
			5	23.53	-4.36	17.02	<=38.45	Pass
		3	0	23.83	-4.36	17.32	<=38.45	Pass
			2	23.85	-4.36	17.34	<=38.45	Pass
			3	23.86	-4.36	17.35	<=38.45	Pass
		6	0	22.82	-4.36	16.31	<=38.45	Pass
	848.3	1	0	23.85	-4.36	17.34	<=38.45	Pass
			2	23.57	-4.36	17.06	<=38.45	Pass
			5	23.62	-4.36	17.11	<=38.45	Pass
		3	0	23.81	-4.36	17.30	<=38.45	Pass
			2	23.81	-4.36	17.30	<=38.45	Pass
			3	23.81	-4.36	17.30	<=38.45	Pass
		6	0	22.87	-4.36	16.36	<=38.45	Pass
16QAM	824.7	1	0	22.32	-4.36	15.81	<=38.45	Pass
			2	22.32	-4.36	15.81	<=38.45	Pass
			5	22.34	-4.36	15.83	<=38.45	Pass
		3	0	22.80	-4.36	16.29	<=38.45	Pass
			2	22.77	-4.36	16.26	<=38.45	Pass
			3	22.76	-4.36	16.25	<=38.45	Pass
		6	0	21.83	-4.36	15.32	<=38.45	Pass
	836.5	1	0	22.56	-4.36	16.05	<=38.45	Pass
			2	22.65	-4.36	16.14	<=38.45	Pass
			5	22.77	-4.36	16.26	<=38.45	Pass
		3	0	22.89	-4.36	16.38	<=38.45	Pass
			2	22.89	-4.36	16.38	<=38.45	Pass
			3	22.88	-4.36	16.37	<=38.45	Pass
		6	0	21.76	-4.36	15.25	<=38.45	Pass
	848.3	1	0	22.68	-4.36	16.17	<=38.45	Pass
			2	22.65	-4.36	16.14	<=38.45	Pass
			5	22.67	-4.36	16.16	<=38.45	Pass
		3	0	23.04	-4.36	16.53	<=38.45	Pass
			2	23.01	-4.36	16.50	<=38.45	Pass
			3	22.98	-4.36	16.47	<=38.45	Pass
		6	0	21.91	-4.36	15.40	<=38.45	Pass
64QAM	824.7	1	0	21.66	-4.36	15.15	<=38.45	Pass
			2	21.67	-4.36	15.16	<=38.45	Pass
			5	21.77	-4.36	15.26	<=38.45	Pass
		3	0	21.85	-4.36	15.34	<=38.45	Pass
			2	21.84	-4.36	15.33	<=38.45	Pass
			3	21.86	-4.36	15.35	<=38.45	Pass
		6	0	20.73	-4.36	14.22	<=38.45	Pass

	836.5	1	0	21.66	-4.36	15.15	<=38.45	Pass
			2	21.72	-4.36	15.21	<=38.45	Pass
			5	21.64	-4.36	15.13	<=38.45	Pass
		3	0	21.89	-4.36	15.38	<=38.45	Pass
			2	21.90	-4.36	15.39	<=38.45	Pass
			3	21.89	-4.36	15.38	<=38.45	Pass
		6	0	20.85	-4.36	14.34	<=38.45	Pass
	848.3	1	0	22.57	-4.36	16.06	<=38.45	Pass
			2	22.59	-4.36	16.08	<=38.45	Pass
			5	22.47	-4.36	15.96	<=38.45	Pass
		3	0	22.24	-4.36	15.73	<=38.45	Pass
			2	22.22	-4.36	15.71	<=38.45	Pass
			3	22.23	-4.36	15.72	<=38.45	Pass
		6	0	20.98	-4.36	14.47	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.77	-4.36	17.26	<=38.45	Pass
			7	23.74	-4.36	17.23	<=38.45	Pass
			14	23.77	-4.36	17.26	<=38.45	Pass
		8	0	22.80	-4.36	16.29	<=38.45	Pass
			4	22.79	-4.36	16.28	<=38.45	Pass
			7	22.79	-4.36	16.28	<=38.45	Pass
		15	0	22.77	-4.36	16.26	<=38.45	Pass
	836.5	1	0	23.89	-4.36	17.38	<=38.45	Pass
			7	23.90	-4.36	17.39	<=38.45	Pass
			14	23.90	-4.36	17.39	<=38.45	Pass
		8	0	22.88	-4.36	16.37	<=38.45	Pass
			4	22.83	-4.36	16.32	<=38.45	Pass
			7	22.89	-4.36	16.38	<=38.45	Pass
		15	0	22.86	-4.36	16.35	<=38.45	Pass
	847.5	1	0	23.87	-4.36	17.36	<=38.45	Pass
			7	23.83	-4.36	17.32	<=38.45	Pass
			14	23.86	-4.36	17.35	<=38.45	Pass
		8	0	22.92	-4.36	16.41	<=38.45	Pass
			4	22.93	-4.36	16.42	<=38.45	Pass
			7	22.89	-4.36	16.38	<=38.45	Pass
		15	0	22.94	-4.36	16.43	<=38.45	Pass
16QAM	825.5	1	0	22.93	-4.36	16.42	<=38.45	Pass
			7	22.94	-4.36	16.43	<=38.45	Pass
			14	22.96	-4.36	16.45	<=38.45	Pass
		8	0	21.97	-4.36	15.46	<=38.45	Pass
			4	21.94	-4.36	15.43	<=38.45	Pass
			7	21.95	-4.36	15.44	<=38.45	Pass
		15	0	21.82	-4.36	15.31	<=38.45	Pass
	836.5	1	0	22.90	-4.36	16.39	<=38.45	Pass
			7	22.92	-4.36	16.41	<=38.45	Pass
			14	22.78	-4.36	16.27	<=38.45	Pass
		8	0	22.02	-4.36	15.51	<=38.45	Pass
			4	21.99	-4.36	15.48	<=38.45	Pass
			7	22.03	-4.36	15.52	<=38.45	Pass
		15	0	21.92	-4.36	15.41	<=38.45	Pass
	847.5	1	0	23.01	-4.36	16.50	<=38.45	Pass

64QAM		8	7	23.05	-4.36	16.54	<=38.45	Pass
			14	22.87	-4.36	16.36	<=38.45	Pass
			0	21.99	-4.36	15.48	<=38.45	Pass
		15	4	21.95	-4.36	15.44	<=38.45	Pass
			7	21.96	-4.36	15.45	<=38.45	Pass
			0	21.96	-4.36	15.45	<=38.45	Pass
	825.5	1	0	22.08	-4.36	15.57	<=38.45	Pass
			7	22.06	-4.36	15.55	<=38.45	Pass
			14	22.07	-4.36	15.56	<=38.45	Pass
		8	0	20.94	-4.36	14.43	<=38.45	Pass
			4	20.90	-4.36	14.39	<=38.45	Pass
			7	20.92	-4.36	14.41	<=38.45	Pass
		15	0	20.86	-4.36	14.35	<=38.45	Pass
	836.5	1	0	22.26	-4.36	15.75	<=38.45	Pass
			7	22.27	-4.36	15.76	<=38.45	Pass
			14	22.23	-4.36	15.72	<=38.45	Pass
		8	0	20.89	-4.36	14.38	<=38.45	Pass
			4	20.86	-4.36	14.35	<=38.45	Pass
			7	20.88	-4.36	14.37	<=38.45	Pass
		15	0	20.89	-4.36	14.38	<=38.45	Pass
	847.5	1	0	22.05	-4.36	15.54	<=38.45	Pass
			7	22.02	-4.36	15.51	<=38.45	Pass
			14	22.05	-4.36	15.54	<=38.45	Pass
		8	0	21.01	-4.36	14.50	<=38.45	Pass
			4	21.00	-4.36	14.49	<=38.45	Pass
			7	20.98	-4.36	14.47	<=38.45	Pass
		15	0	20.90	-4.36	14.39	<=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	23.90	-4.36	17.39	<=38.45	Pass
			13	23.91	-4.36	17.40	<=38.45	Pass
			24	23.90	-4.36	17.39	<=38.45	Pass
		12	0	22.80	-4.36	16.29	<=38.45	Pass
			6	22.78	-4.36	16.27	<=38.45	Pass
			13	22.81	-4.36	16.30	<=38.45	Pass
		25	0	22.86	-4.36	16.35	<=38.45	Pass
	836.5	1	0	23.90	-4.36	17.39	<=38.45	Pass
			13	23.93	-4.36	17.42	<=38.45	Pass
			24	23.96	-4.36	17.45	<=38.45	Pass
		12	0	22.87	-4.36	16.36	<=38.45	Pass
			6	22.91	-4.36	16.40	<=38.45	Pass
			13	22.91	-4.36	16.40	<=38.45	Pass
		25	0	22.91	-4.36	16.40	<=38.45	Pass
	846.5	1	0	24.00	-4.36	17.49	<=38.45	Pass
			13	23.99	-4.36	17.48	<=38.45	Pass
			24	24.01	-4.36	17.50	<=38.45	Pass
		12	0	22.97	-4.36	16.46	<=38.45	Pass
			6	22.96	-4.36	16.45	<=38.45	Pass
			13	22.94	-4.36	16.43	<=38.45	Pass
		25	0	23.02	-4.36	16.51	<=38.45	Pass
16QAM	826.5	1	0	23.00	-4.36	16.49	<=38.45	Pass
			13	23.02	-4.36	16.51	<=38.45	Pass

			24	23.05	-4.36	16.54	<=38.45	Pass	
		12	0	21.87	-4.36	15.36	<=38.45	Pass	
			6	21.86	-4.36	15.35	<=38.45	Pass	
			13	21.90	-4.36	15.39	<=38.45	Pass	
		25	0	21.87	-4.36	15.36	<=38.45	Pass	
	836.5	1	0	23.08	-4.36	16.57	<=38.45	Pass	
			13	23.11	-4.36	16.60	<=38.45	Pass	
			24	23.12	-4.36	16.61	<=38.45	Pass	
		12	0	21.87	-4.36	15.36	<=38.45	Pass	
			6	21.91	-4.36	15.40	<=38.45	Pass	
			13	21.90	-4.36	15.39	<=38.45	Pass	
		25	0	21.91	-4.36	15.40	<=38.45	Pass	
		846.5	1	0	23.23	-4.36	16.72	<=38.45	Pass
	13			23.20	-4.36	16.69	<=38.45	Pass	
	24			23.24	-4.36	16.73	<=38.45	Pass	
	12		0	21.97	-4.36	15.46	<=38.45	Pass	
			6	21.94	-4.36	15.43	<=38.45	Pass	
			13	21.92	-4.36	15.41	<=38.45	Pass	
	25		0	21.97	-4.36	15.46	<=38.45	Pass	
	64QAM	826.5	1	0	22.12	-4.36	15.61	<=38.45	Pass
				13	22.11	-4.36	15.60	<=38.45	Pass
				24	22.13	-4.36	15.62	<=38.45	Pass
			12	0	20.86	-4.36	14.35	<=38.45	Pass
				6	20.84	-4.36	14.33	<=38.45	Pass
13				20.86	-4.36	14.35	<=38.45	Pass	
25			0	20.84	-4.36	14.33	<=38.45	Pass	
836.5		1	0	22.08	-4.36	15.57	<=38.45	Pass	
			13	22.10	-4.36	15.59	<=38.45	Pass	
			24	22.12	-4.36	15.61	<=38.45	Pass	
		12	0	20.95	-4.36	14.44	<=38.45	Pass	
			6	21.00	-4.36	14.49	<=38.45	Pass	
			13	20.99	-4.36	14.48	<=38.45	Pass	
		25	0	20.91	-4.36	14.40	<=38.45	Pass	
846.5		1	0	22.00	-4.36	15.49	<=38.45	Pass	
			13	22.02	-4.36	15.51	<=38.45	Pass	
			24	22.05	-4.36	15.54	<=38.45	Pass	
		12	0	20.96	-4.36	14.45	<=38.45	Pass	
			6	20.93	-4.36	14.42	<=38.45	Pass	
			13	20.91	-4.36	14.40	<=38.45	Pass	
		25	0	20.92	-4.36	14.41	<=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	23.83	-4.36	17.32	<=38.45	Pass
			25	23.78	-4.36	17.27	<=38.45	Pass
			49	23.85	-4.36	17.34	<=38.45	Pass
		25	0	22.81	-4.36	16.30	<=38.45	Pass
			13	22.78	-4.36	16.27	<=38.45	Pass
			25	22.83	-4.36	16.32	<=38.45	Pass
		50	0	22.79	-4.36	16.28	<=38.45	Pass
	836.5	1	0	23.92	-4.36	17.41	<=38.45	Pass
			25	23.89	-4.36	17.38	<=38.45	Pass
			49	23.96	-4.36	17.45	<=38.45	Pass

		25	0	22.84	-4.36	16.33	<=38.45	Pass		
			13	22.86	-4.36	16.35	<=38.45	Pass		
			25	22.88	-4.36	16.37	<=38.45	Pass		
		50	0	22.86	-4.36	16.35	<=38.45	Pass		
			25	23.84	-4.36	17.33	<=38.45	Pass		
			49	23.91	-4.36	17.40	<=38.45	Pass		
	25	0	22.94	-4.36	16.43	<=38.45	Pass			
		13	22.94	-4.36	16.43	<=38.45	Pass			
		25	22.93	-4.36	16.42	<=38.45	Pass			
	50	0	22.93	-4.36	16.42	<=38.45	Pass			
	16QAM	829	1	0	23.00	-4.36	16.49	<=38.45	Pass	
				25	22.97	-4.36	16.46	<=38.45	Pass	
49				23.04	-4.36	16.53	<=38.45	Pass		
25			0	21.84	-4.36	15.33	<=38.45	Pass		
			13	21.81	-4.36	15.30	<=38.45	Pass		
			25	21.84	-4.36	15.33	<=38.45	Pass		
			50	0	21.78	-4.36	15.27	<=38.45	Pass	
			25	22.93	-4.36	16.42	<=38.45	Pass		
			49	22.97	-4.36	16.46	<=38.45	Pass		
25		0	21.86	-4.36	15.35	<=38.45	Pass			
		13	21.88	-4.36	15.37	<=38.45	Pass			
		25	21.91	-4.36	15.40	<=38.45	Pass			
50		0	21.86	-4.36	15.35	<=38.45	Pass			
25		23.11	-4.36	16.60	<=38.45	Pass				
49		23.16	-4.36	16.65	<=38.45	Pass				
25		0	21.94	-4.36	15.43	<=38.45	Pass			
		13	21.93	-4.36	15.42	<=38.45	Pass			
		25	21.92	-4.36	15.41	<=38.45	Pass			
		50	0	21.88	-4.36	15.37	<=38.45	Pass		
		64QAM	829	1	0	22.08	-4.36	15.57	<=38.45	Pass
					25	22.06	-4.36	15.55	<=38.45	Pass
49					22.13	-4.36	15.62	<=38.45	Pass	
25				0	20.75	-4.36	14.24	<=38.45	Pass	
				13	20.73	-4.36	14.22	<=38.45	Pass	
	25			20.75	-4.36	14.24	<=38.45	Pass		
	50			0	20.77	-4.36	14.26	<=38.45	Pass	
	25			22.31	-4.36	15.80	<=38.45	Pass		
	49			22.35	-4.36	15.84	<=38.45	Pass		
25	0		20.83	-4.36	14.32	<=38.45	Pass			
	13		20.84	-4.36	14.33	<=38.45	Pass			
	25		20.88	-4.36	14.37	<=38.45	Pass			
50	0	20.83	-4.36	14.32	<=38.45	Pass				
25	22.05	-4.36	15.54	<=38.45	Pass					
49	22.08	-4.36	15.57	<=38.45	Pass					
25	0	20.88	-4.36	14.37	<=38.45	Pass				
	13	20.87	-4.36	14.36	<=38.45	Pass				
	25	20.88	-4.36	14.37	<=38.45	Pass				
	50	0	20.88	-4.36	14.37	<=38.45	Pass			
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	836.5	50	0	20	3.6	-3.247	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
					4.3	-3.591	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.734	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.777	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-3.848	-0.0046	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

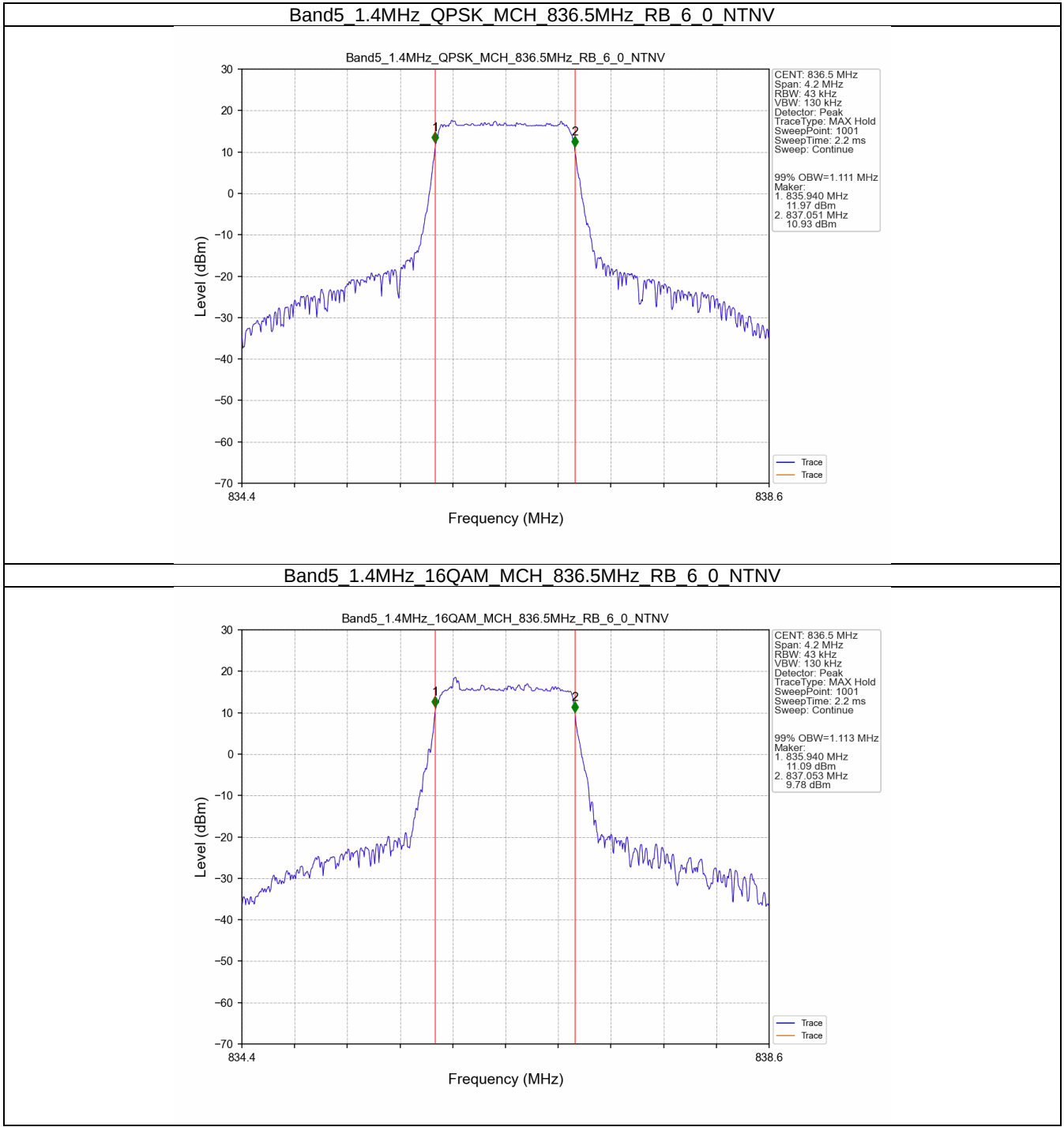
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.111	/	Pass
	16QAM	836.5	6	0	1.113	/	Pass
3	QPSK	836.5	15	0	2.735	/	Pass
	16QAM	836.5	15	0	2.735	/	Pass
5	QPSK	836.5	25	0	4.552	/	Pass
	16QAM	836.5	25	0	4.549	/	Pass
10	QPSK	836.5	50	0	9.053	/	Pass
	16QAM	836.5	50	0	9.068	/	Pass

3.1.2 Band5_XDB

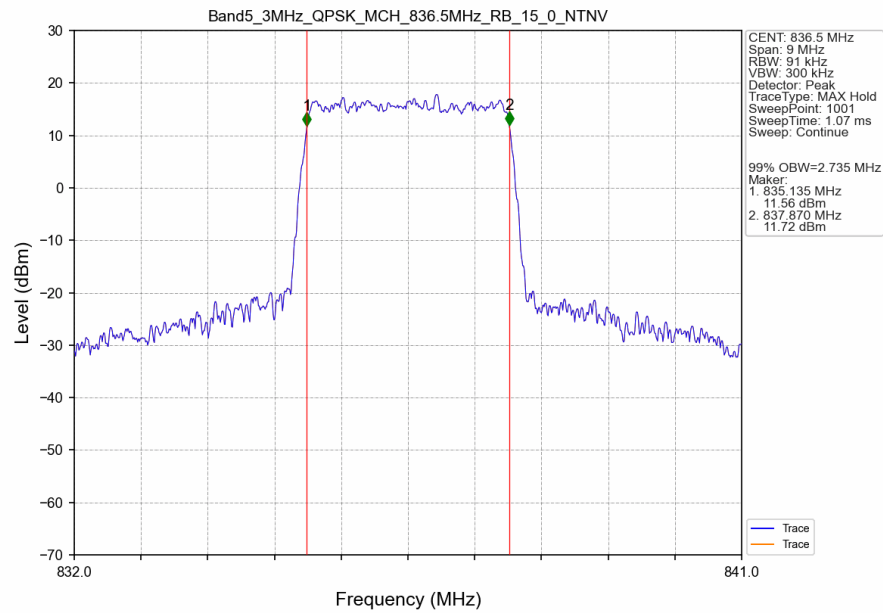
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.322	/	Pass
	16QAM	836.5	6	0	1.321	/	Pass
3	QPSK	836.5	15	0	3.011	/	Pass
	16QAM	836.5	15	0	2.991	/	Pass
5	QPSK	836.5	25	0	5.036	/	Pass
	16QAM	836.5	25	0	5.045	/	Pass
10	QPSK	836.5	50	0	9.961	/	Pass
	16QAM	836.5	50	0	9.959	/	Pass

3.2 Test Graph

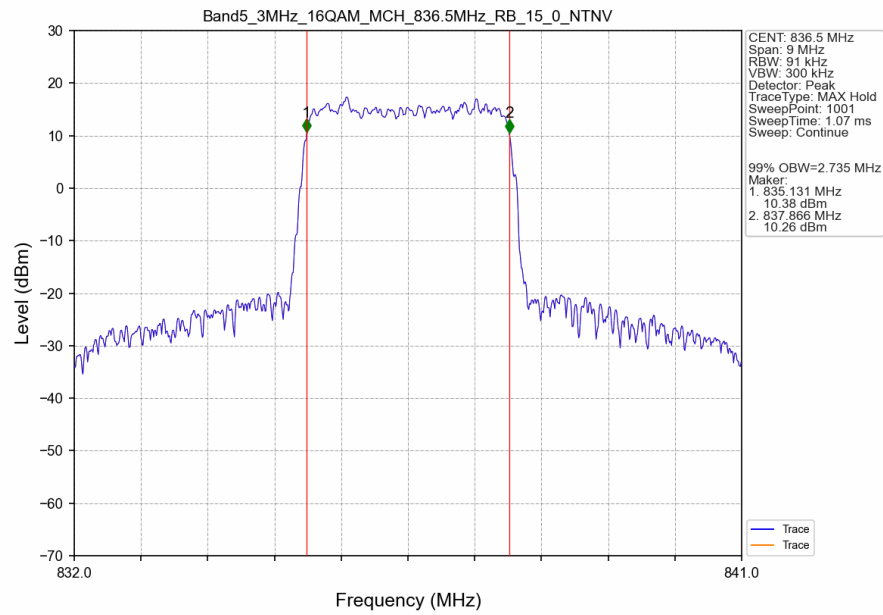
3.2.1 Band5_OBW



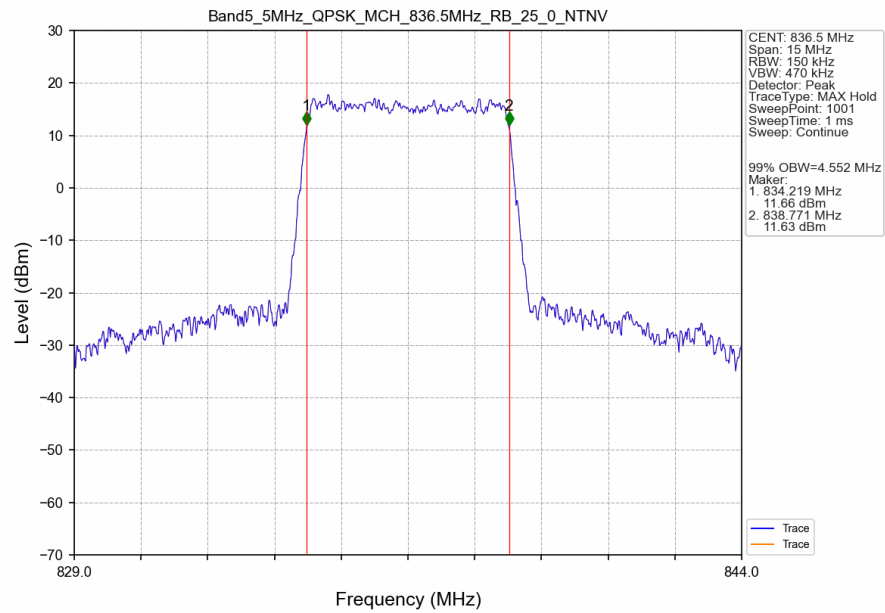
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



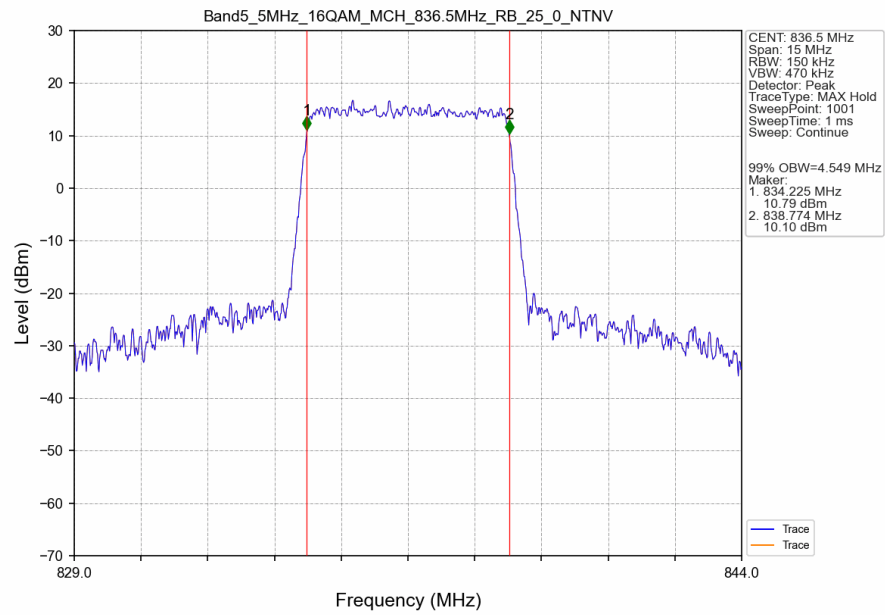
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



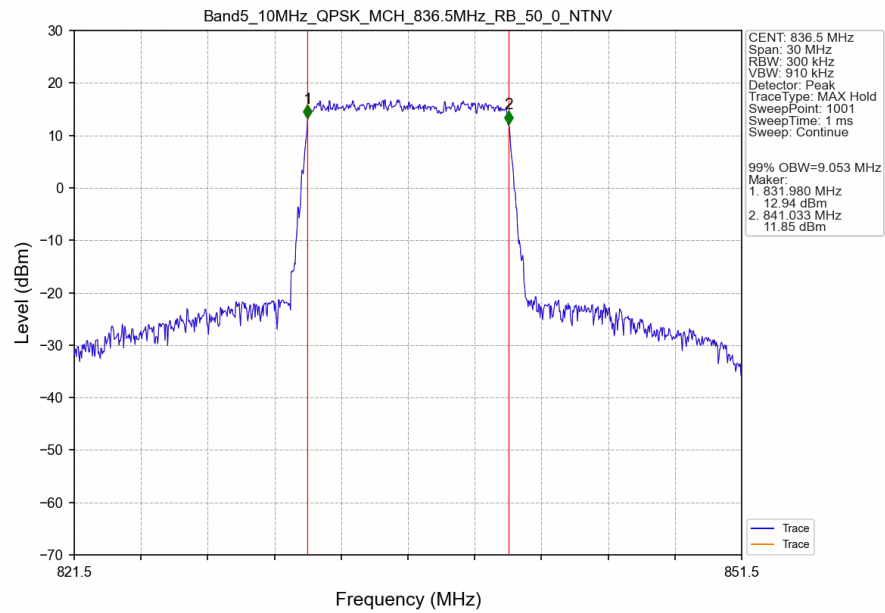
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



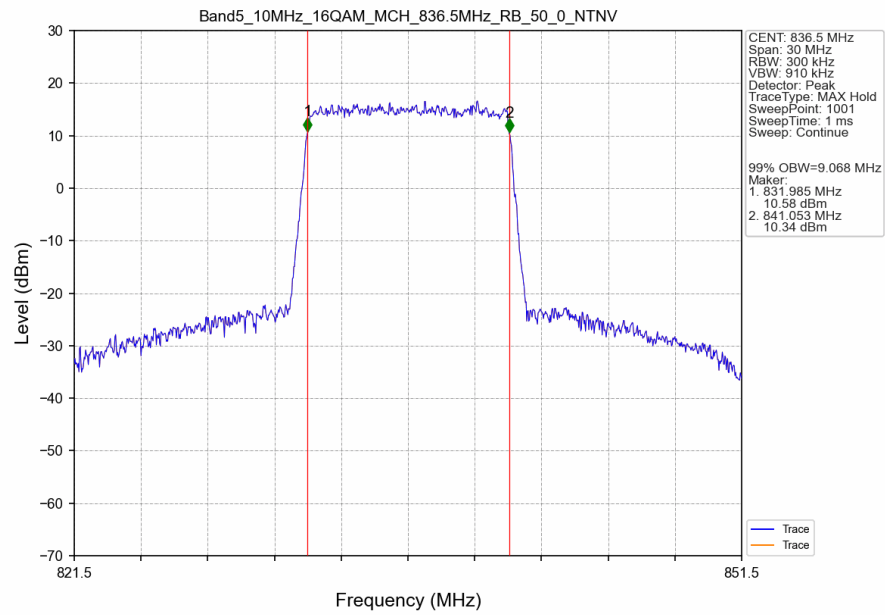
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



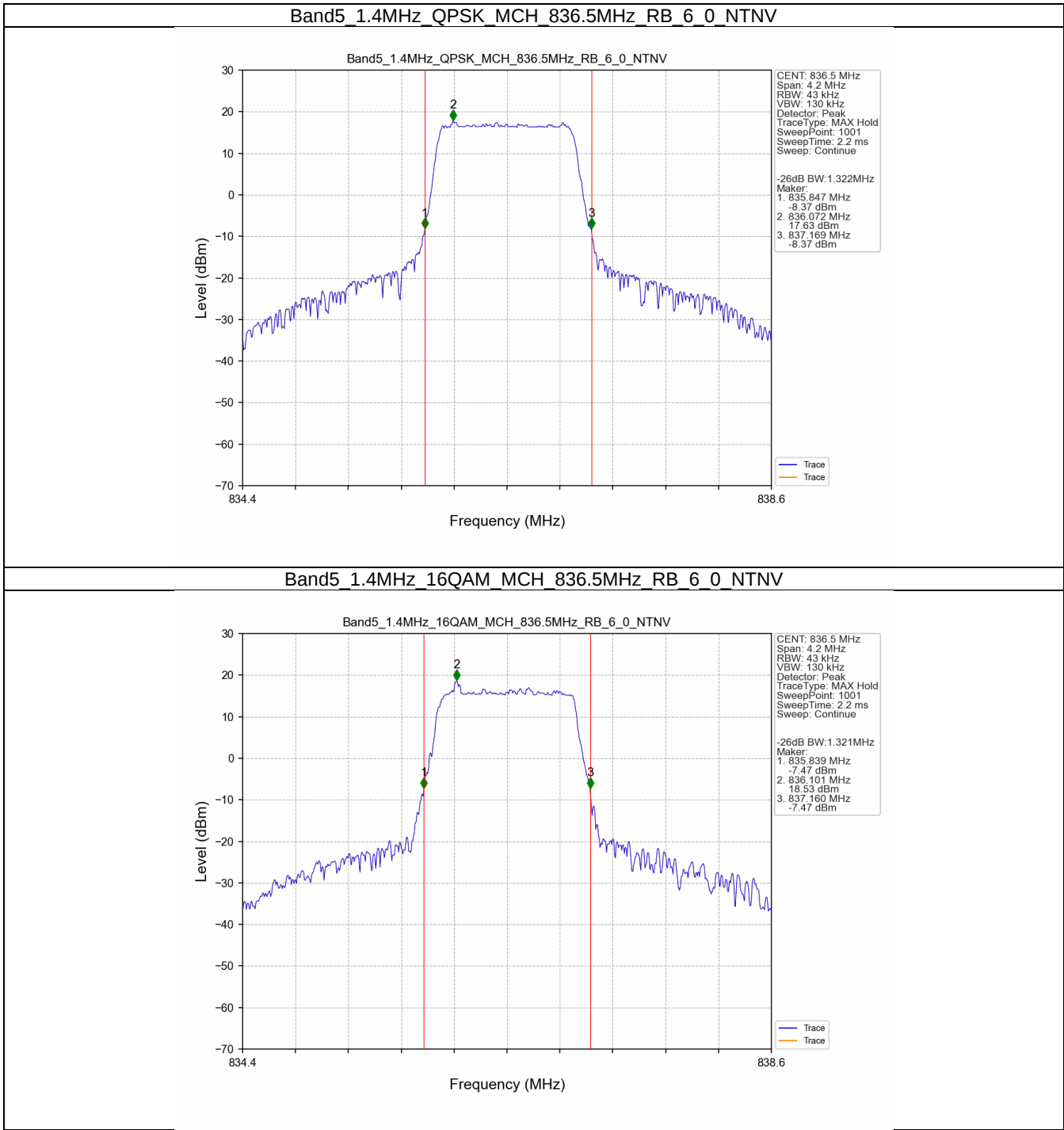
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



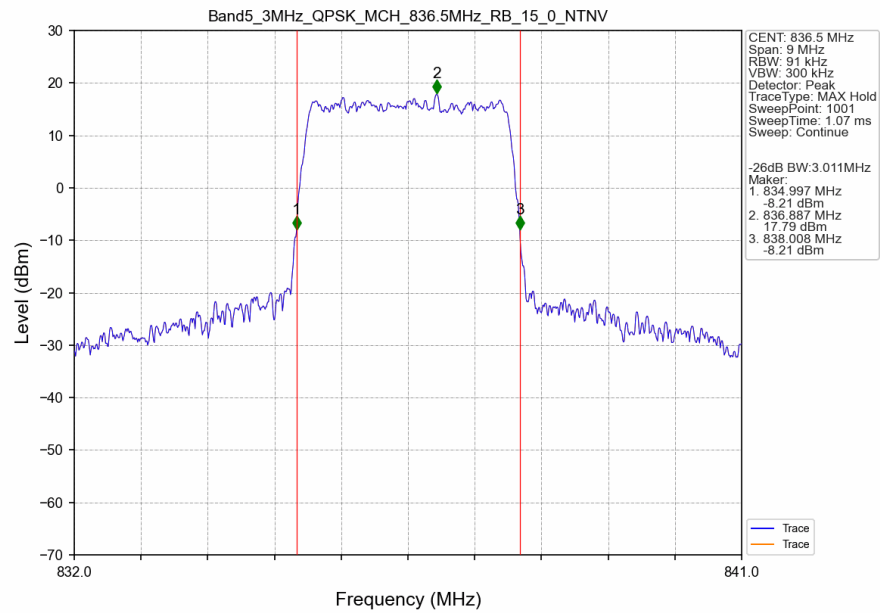
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



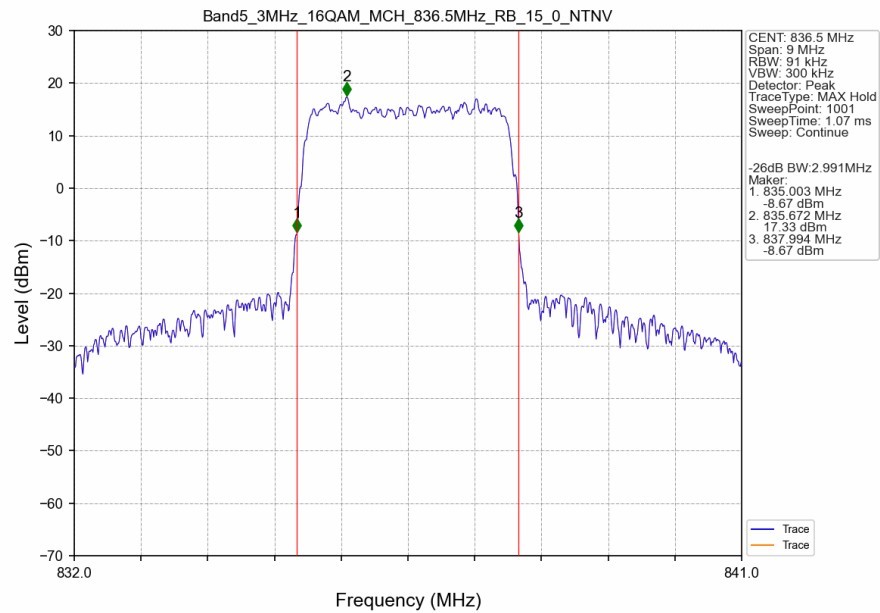
3.2.2 Band5_XDB



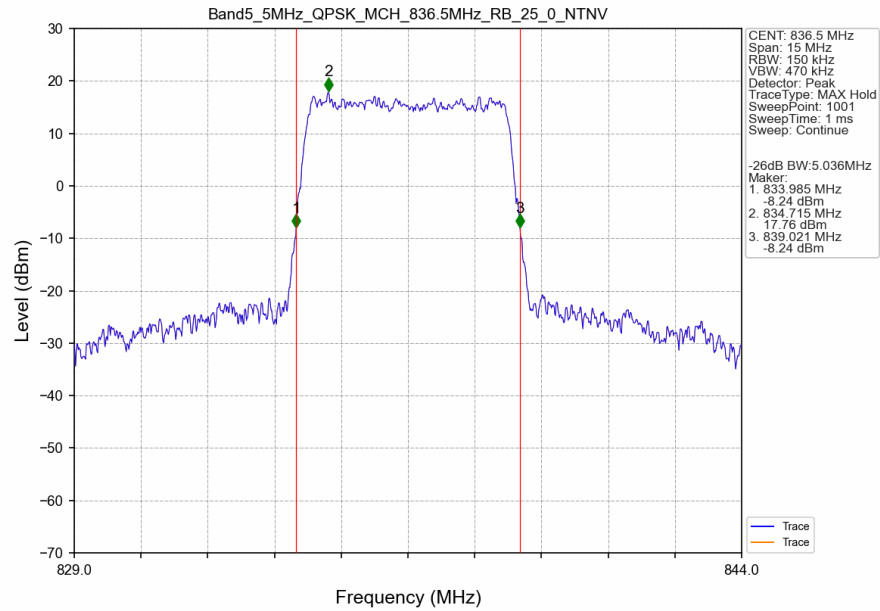
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



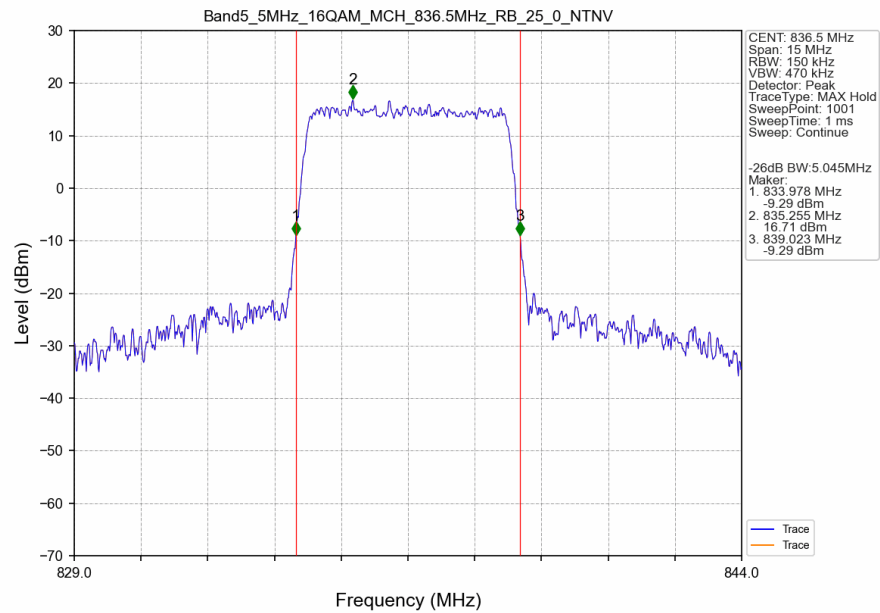
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



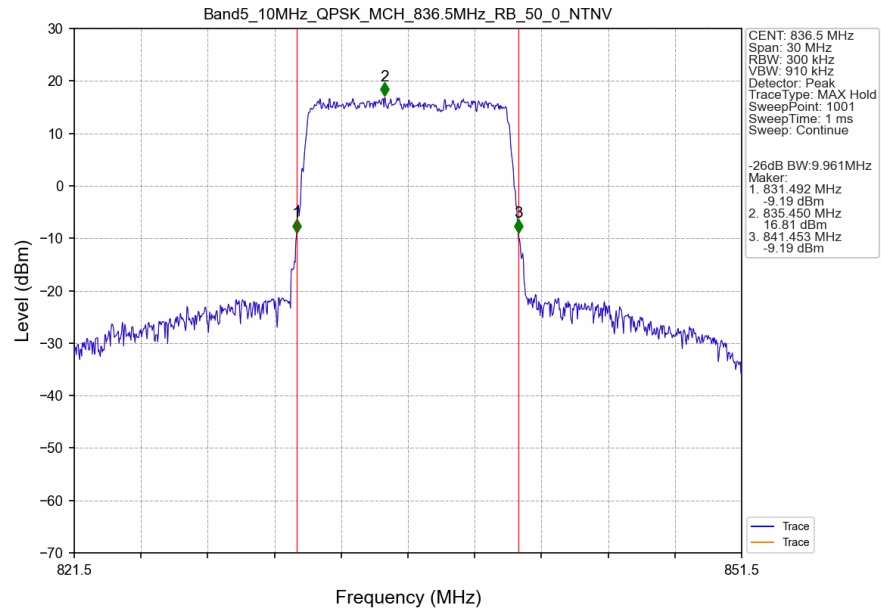
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



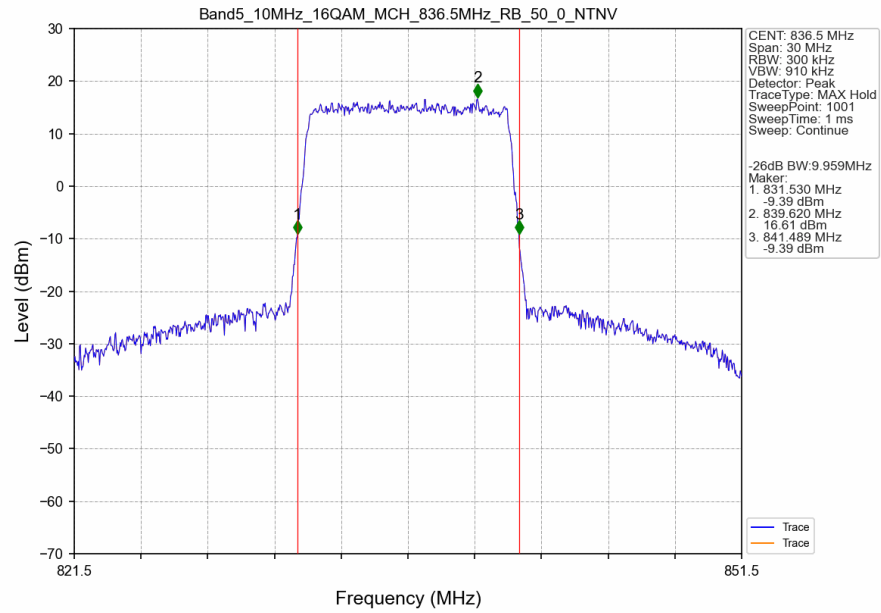
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

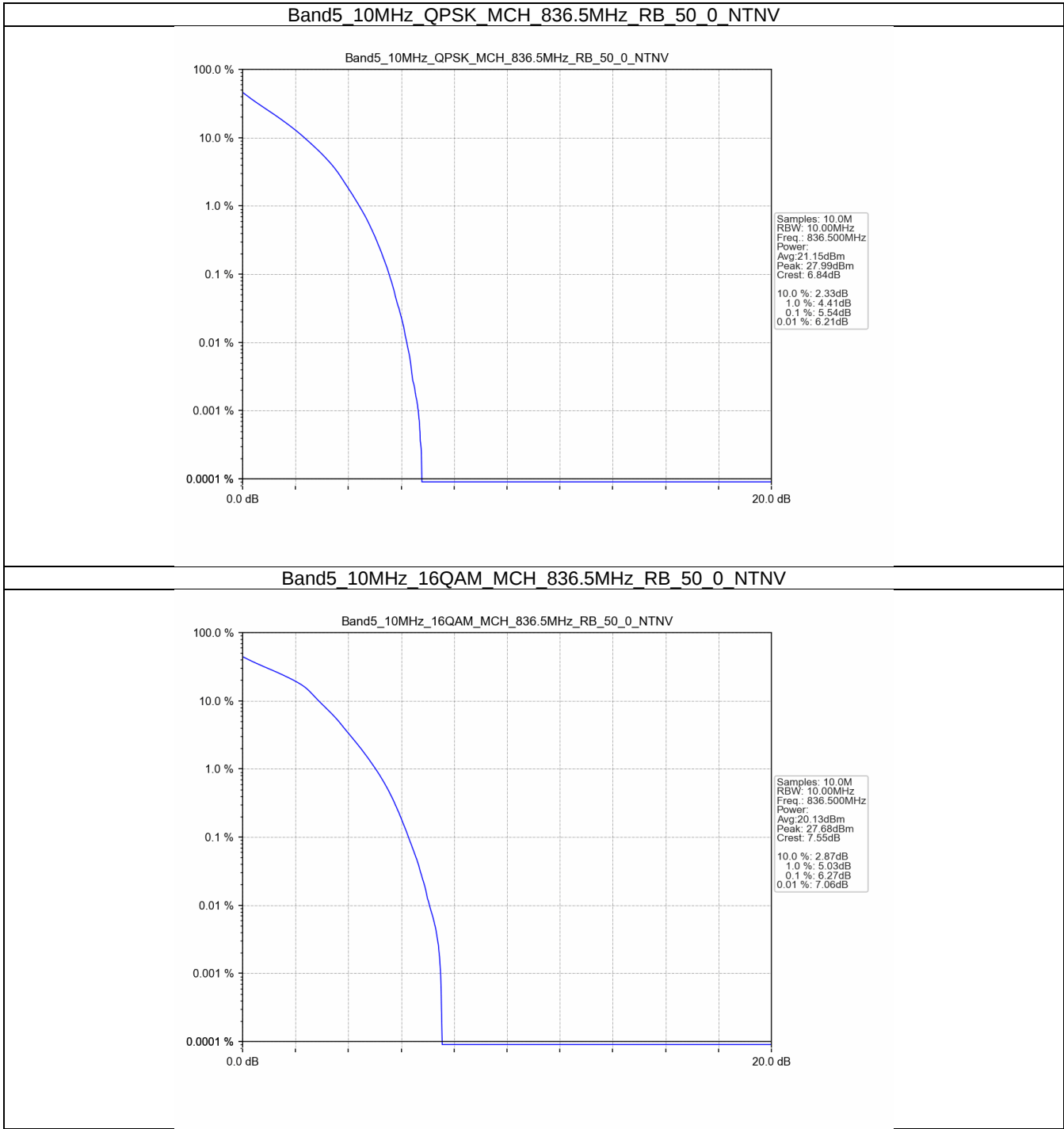
4.1 Test Result

4.1.1 B5_10MHz

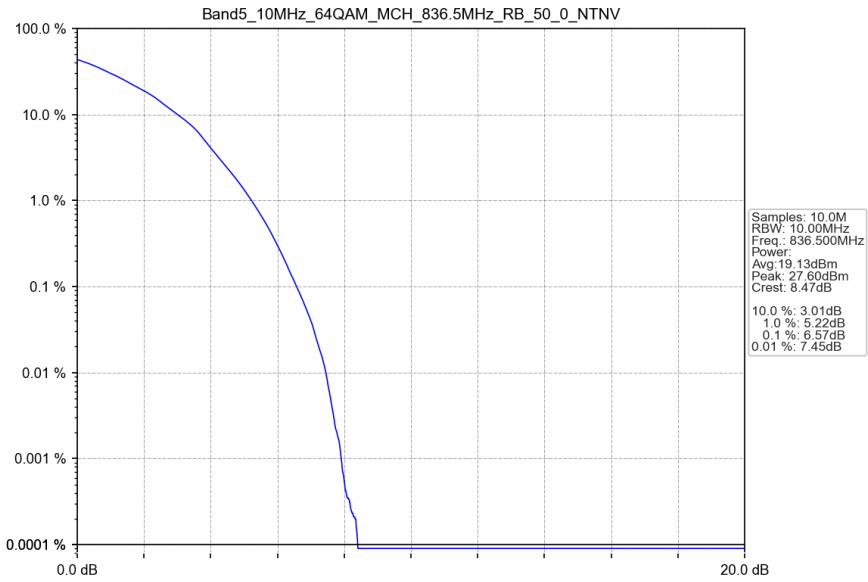
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.54	<=13	Pass
16QAM	836.5	50	0	6.27	<=13	Pass
64QAM	836.5	50	0	6.57	<=13	Pass

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		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTV						
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

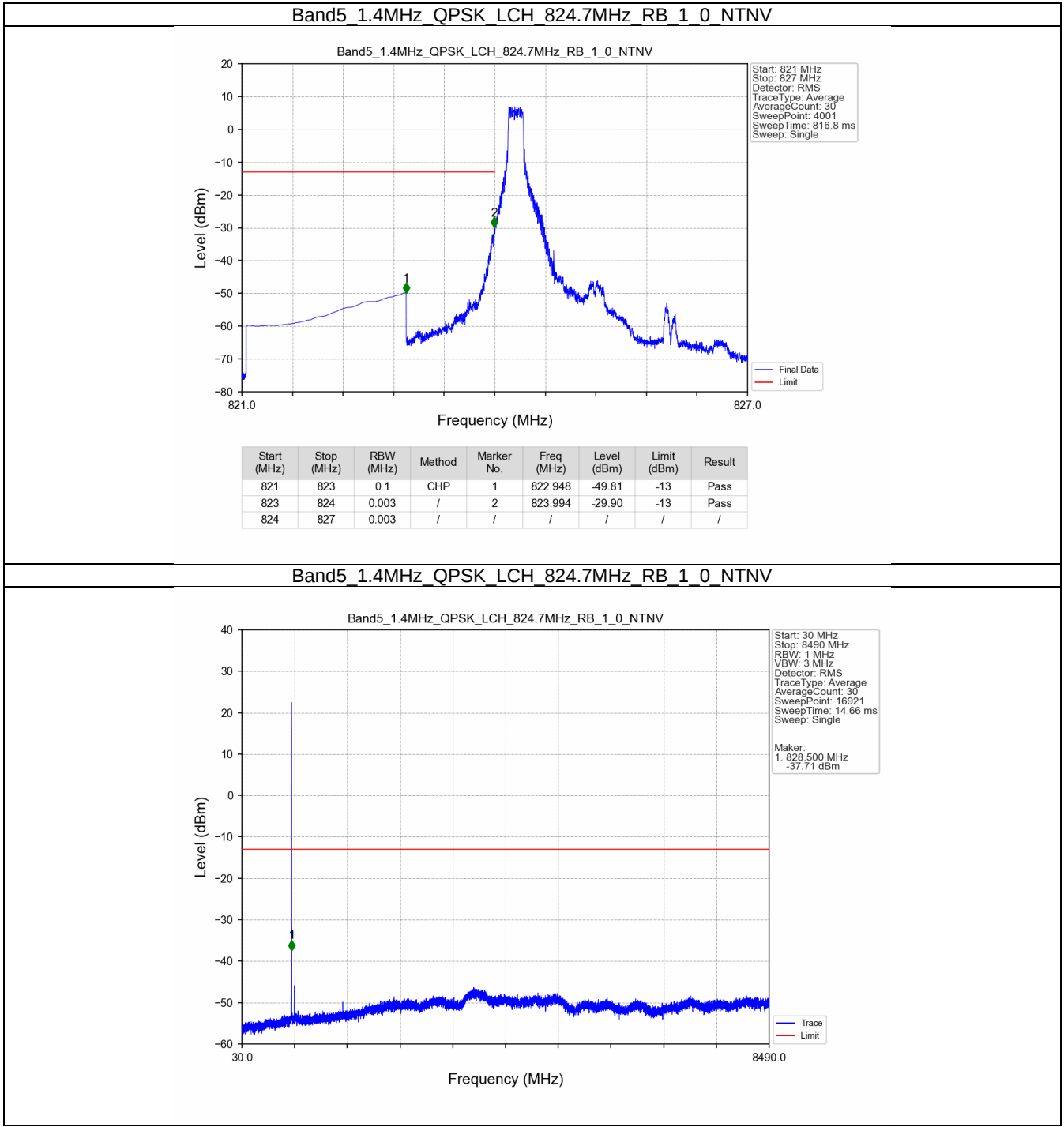
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

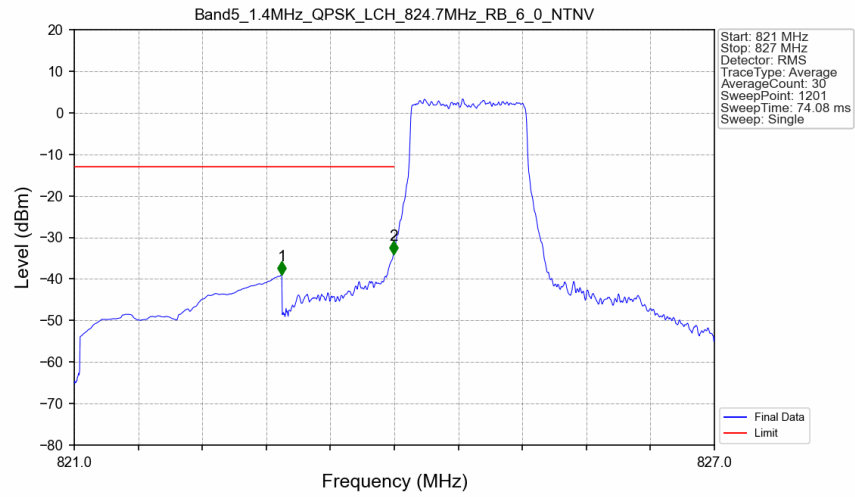
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

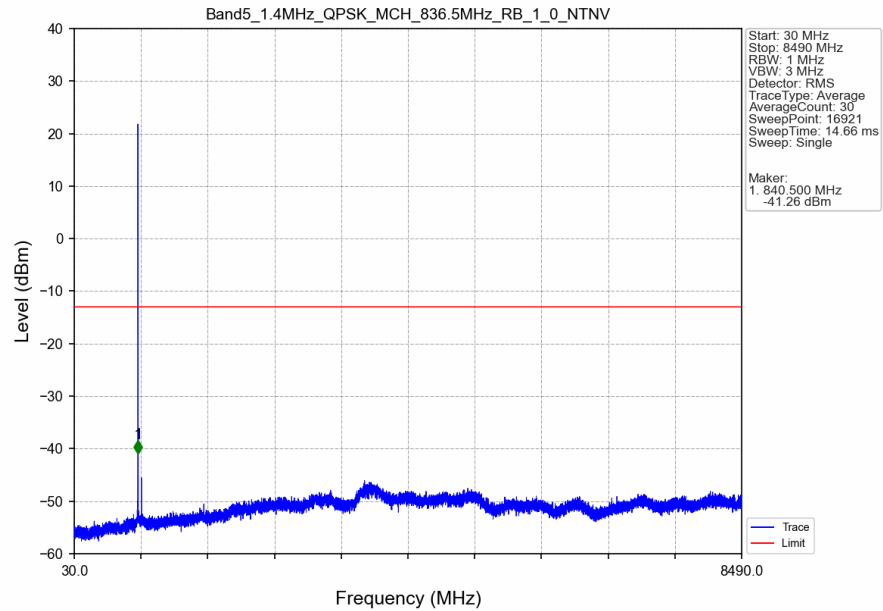


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

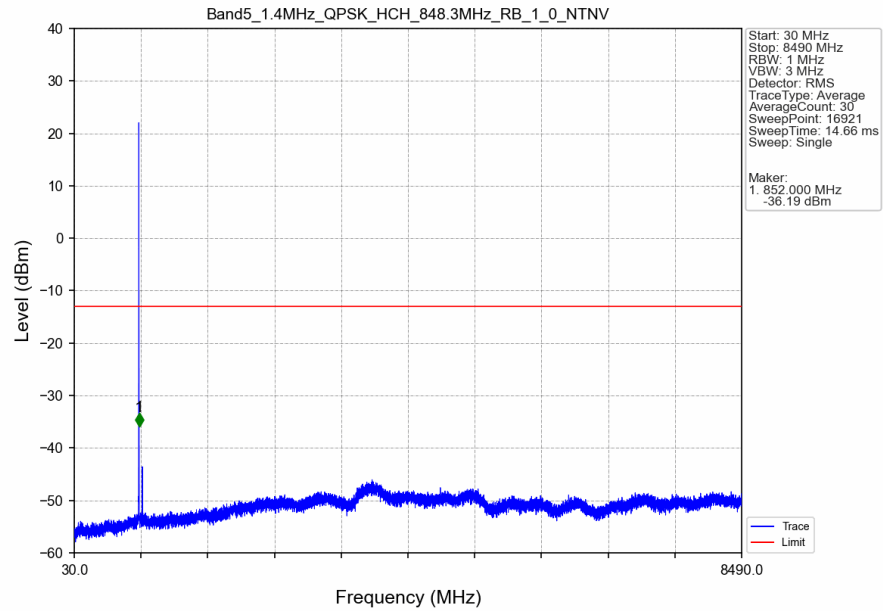


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-38.97	-13	Pass
823	824	0.013	CHP	2	823.995	-33.96	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

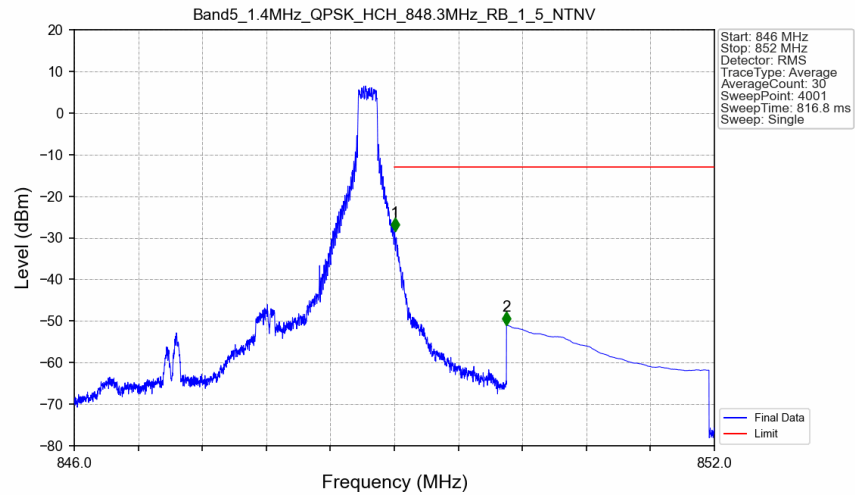
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN

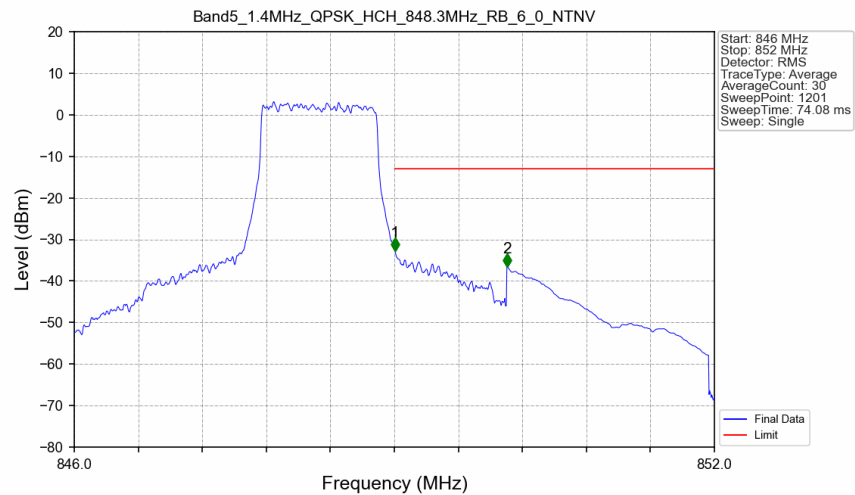


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



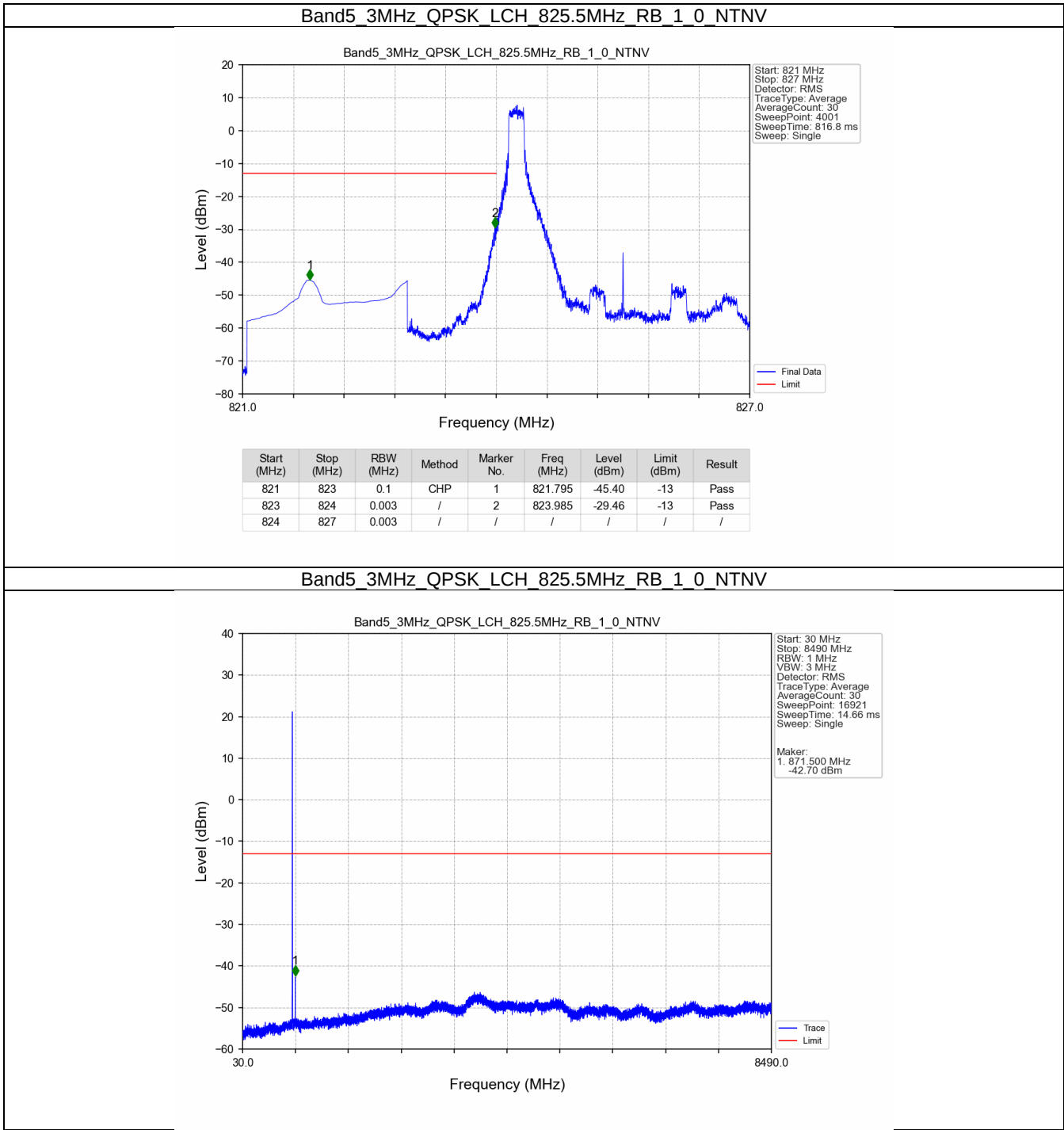
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-28.40	-13	Pass
850	852	0.1	CHP	2	850.052	-51.01	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN

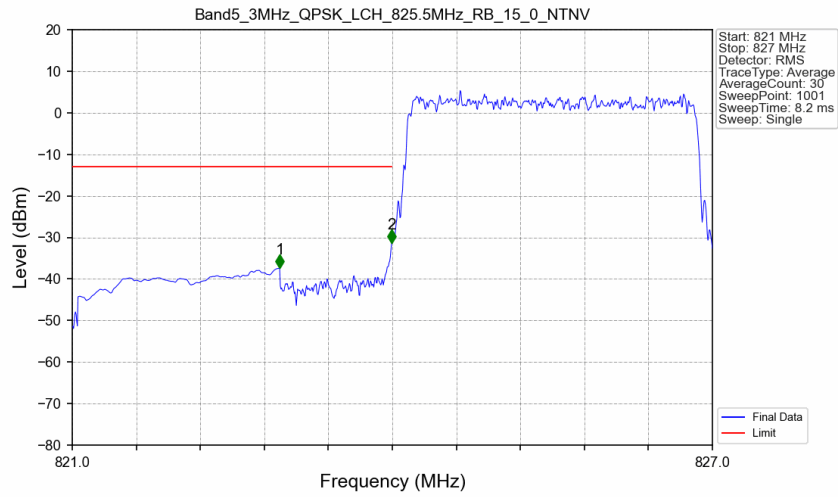


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-32.69	-13	Pass
850	852	0.1	CHP	2	850.055	-36.60	-13	Pass

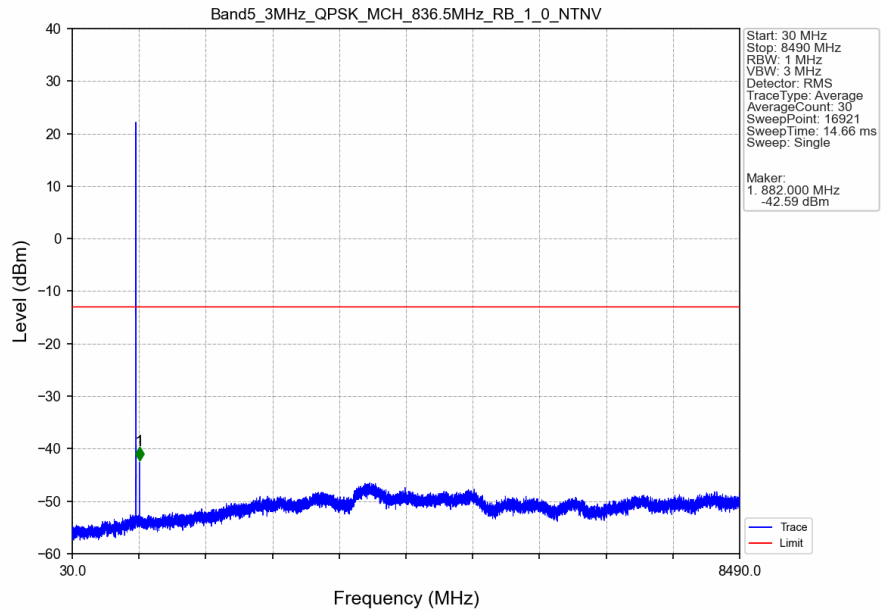
5.2.2 B5_3MHz



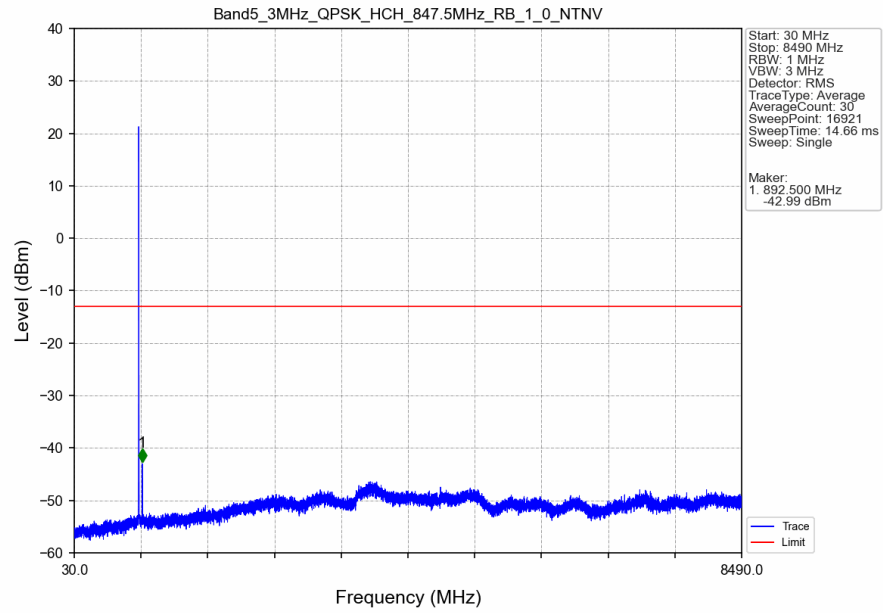
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



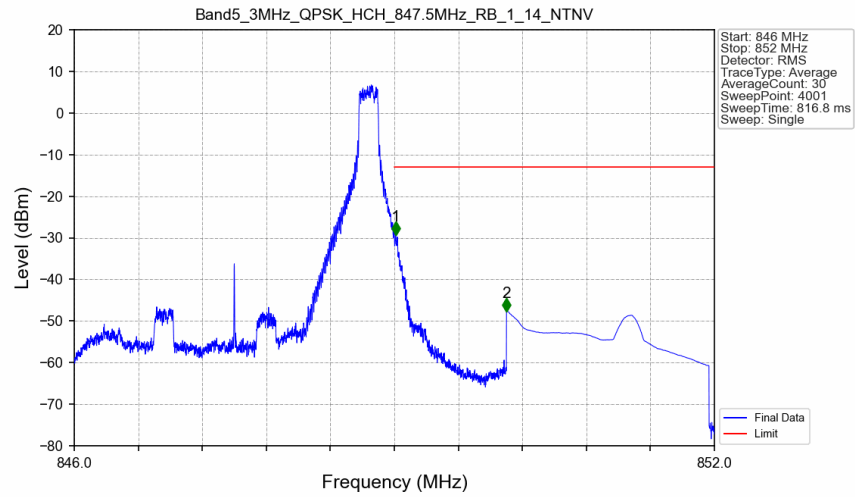
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

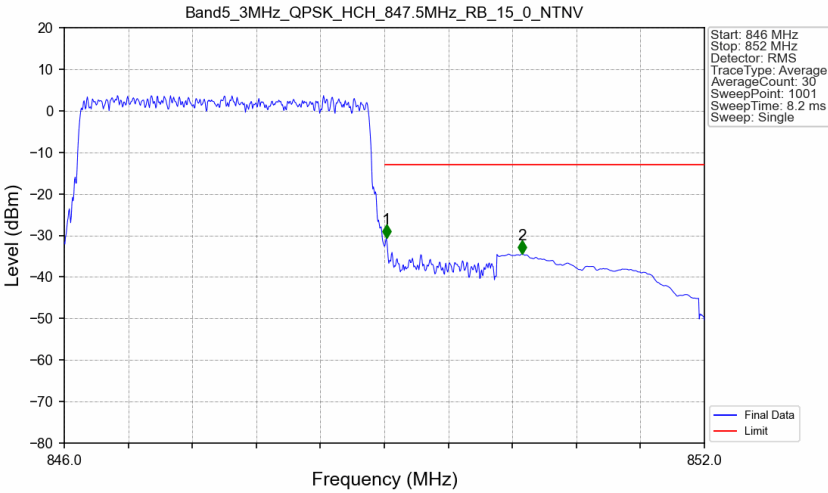


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



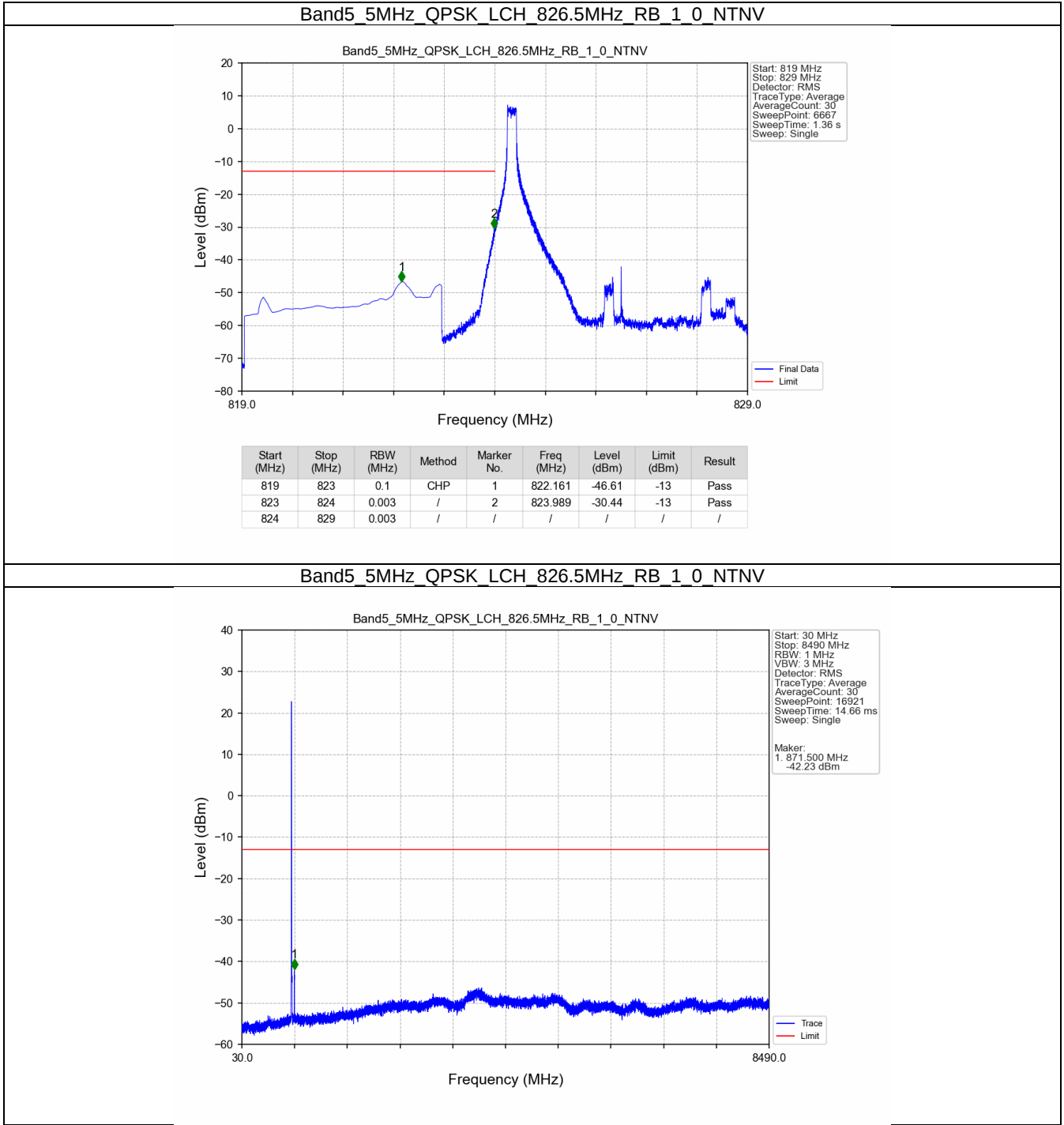
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-29.34	-13	Pass
850	852	0.1	CHP	2	850.052	-47.62	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

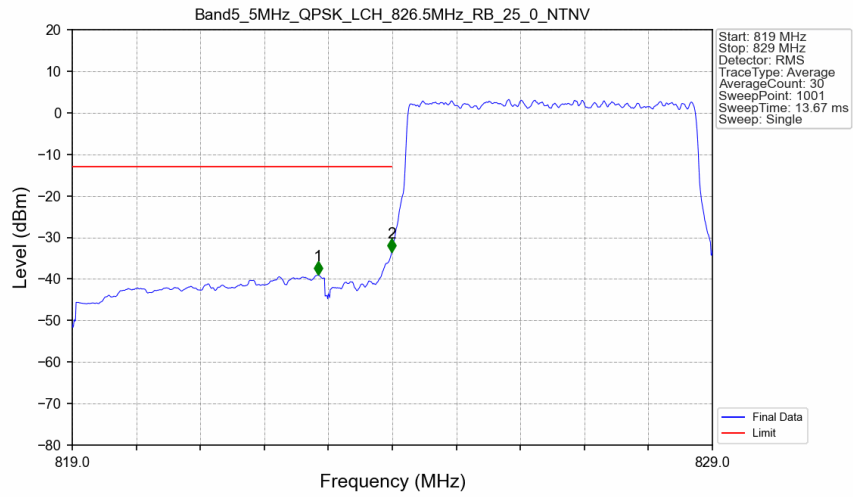


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.018	-30.66	-13	Pass
850	852	0.1	CHP	2	850.290	-34.41	-13	Pass

5.2.3 B5_5MHz

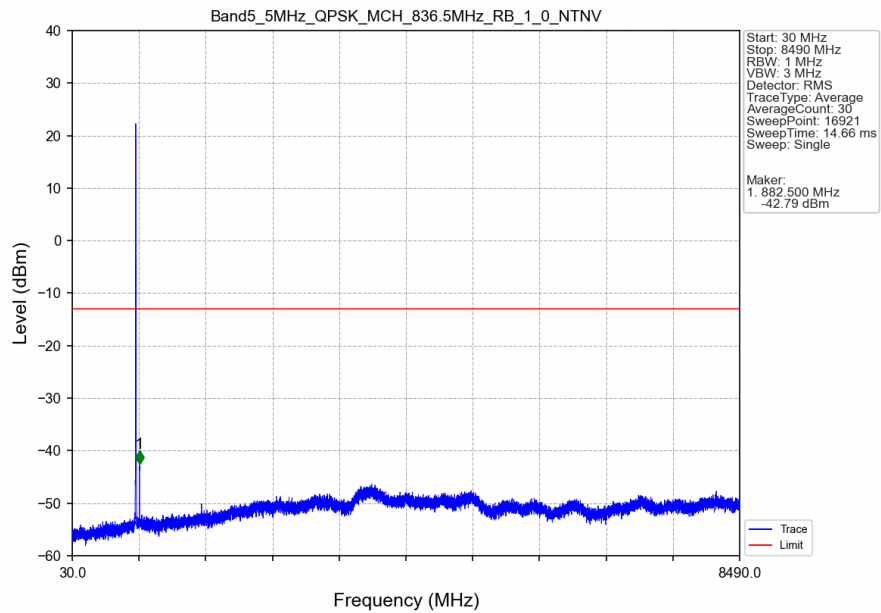


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN

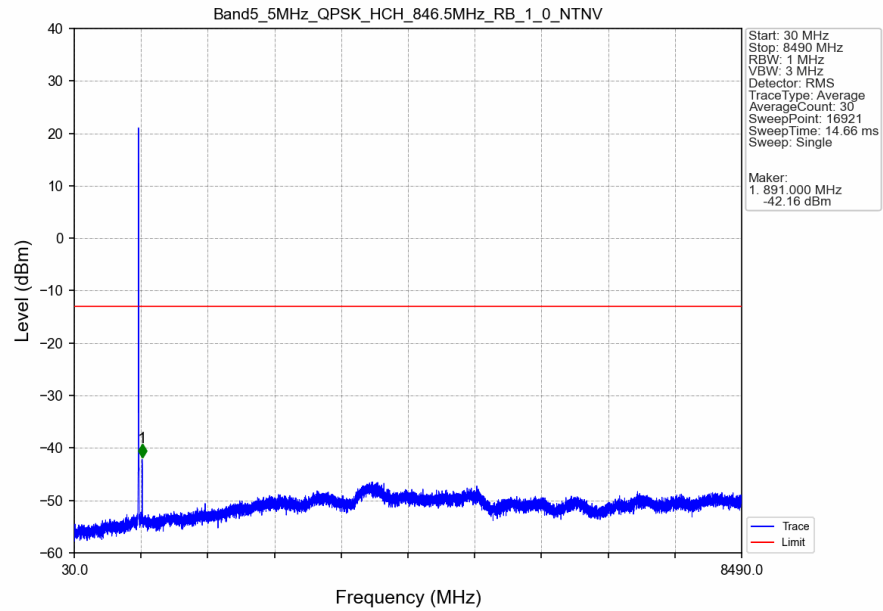


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.840	-39.03	-13	Pass
823	824	0.05	CHP	2	823.990	-33.42	-13	Pass
824	829	0.05	CHP	/	/	/	/	/

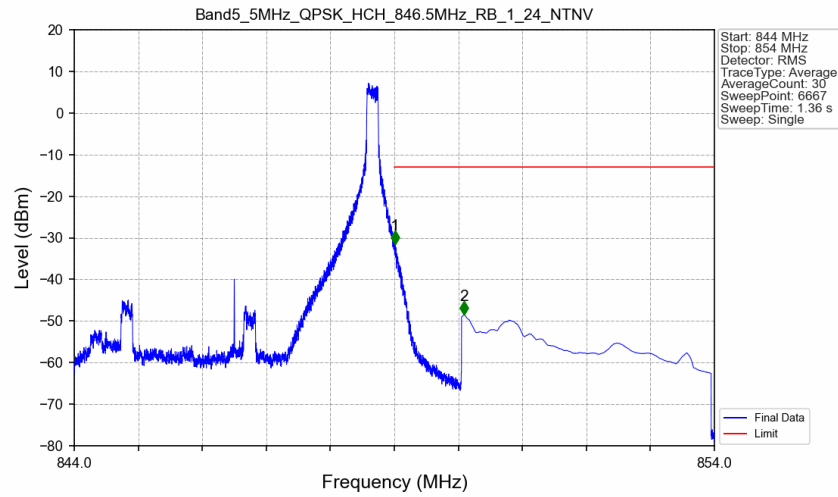
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

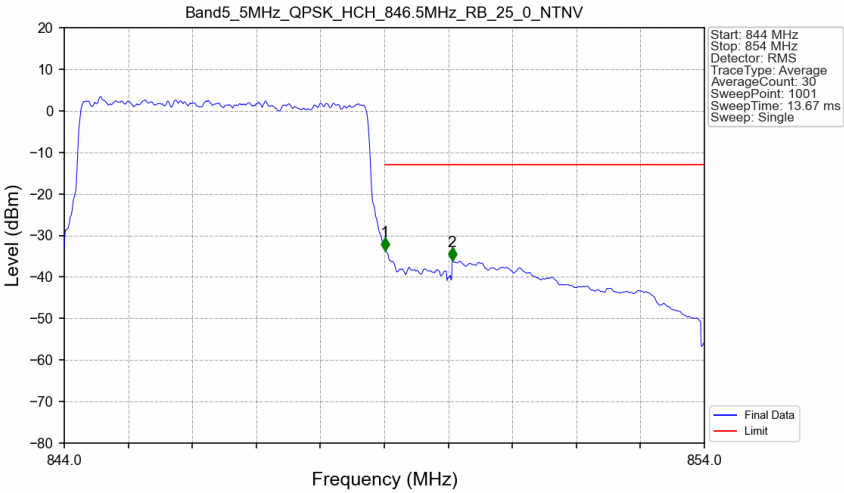


Band5_5MHz QPSK HCH 846.5MHz RB 1 24 NTN



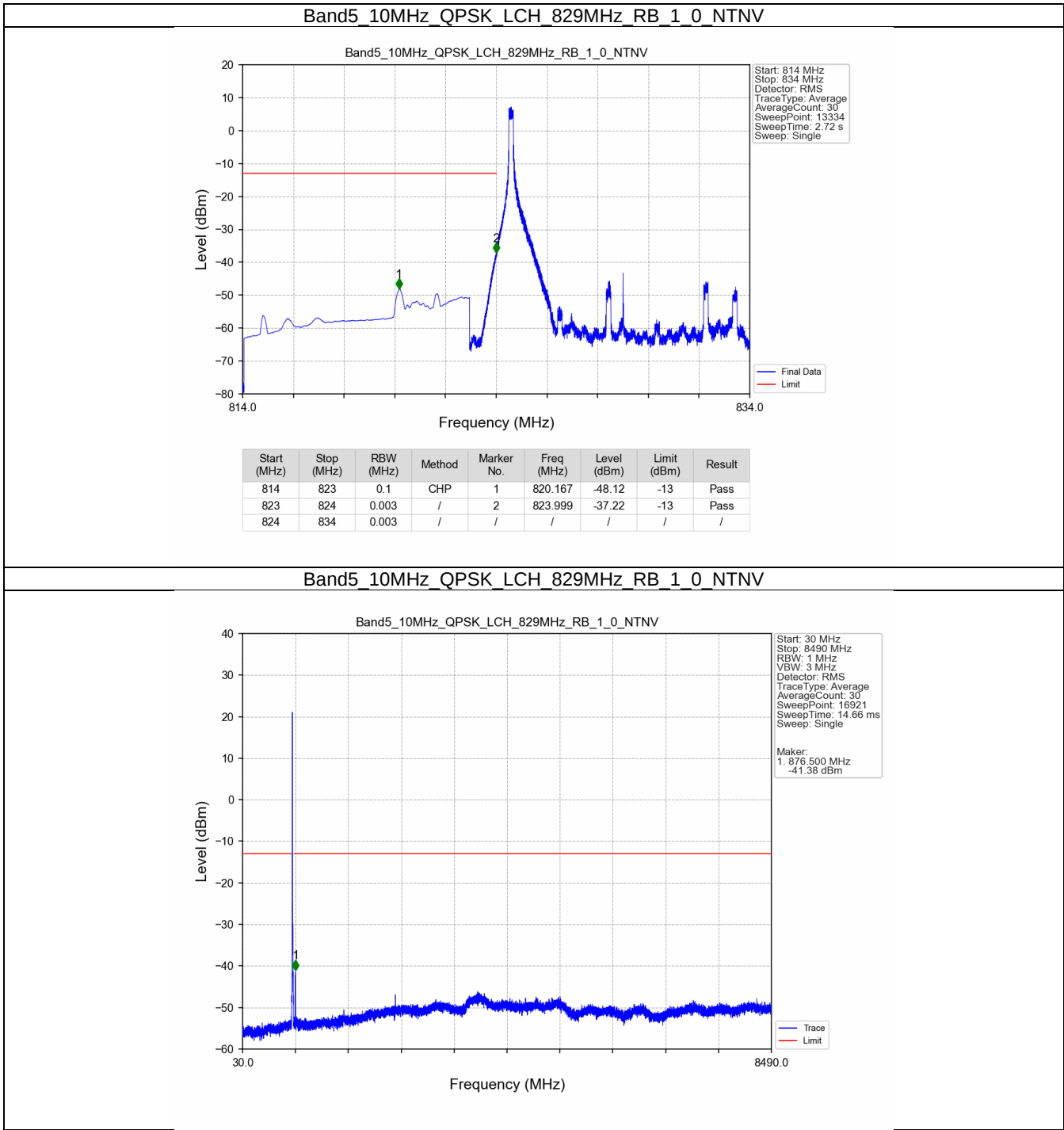
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-31.42	-13	Pass
850	854	0.1	CHP	2	850.089	-48.48	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

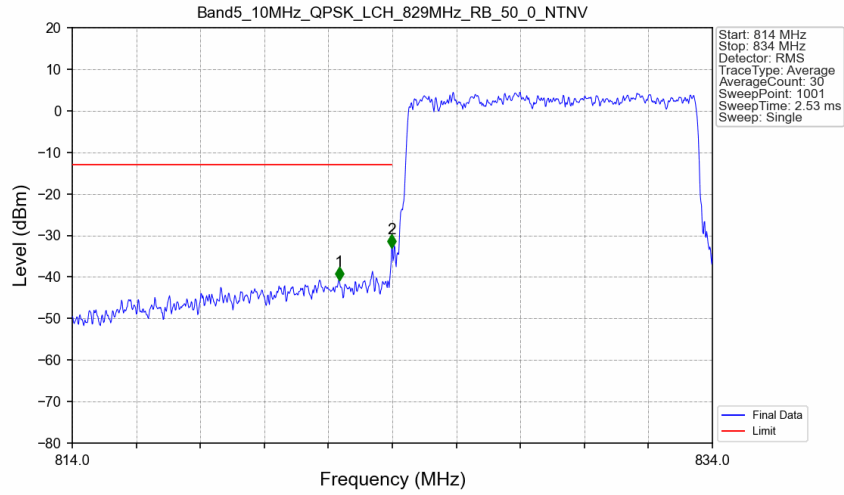


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-33.67	-13	Pass
850	854	0.1	CHP	2	850.060	-35.98	-13	Pass

5.2.4 B5_10MHz

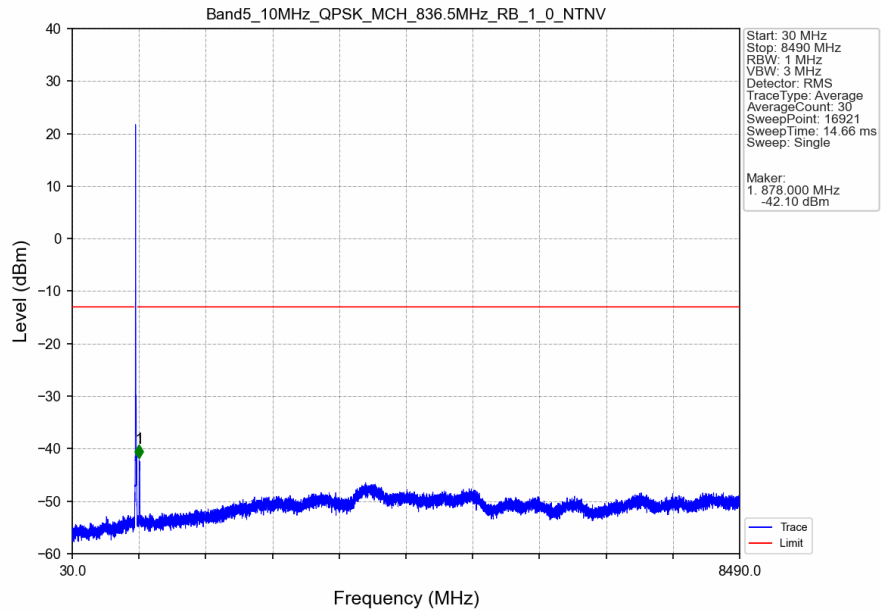


Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN

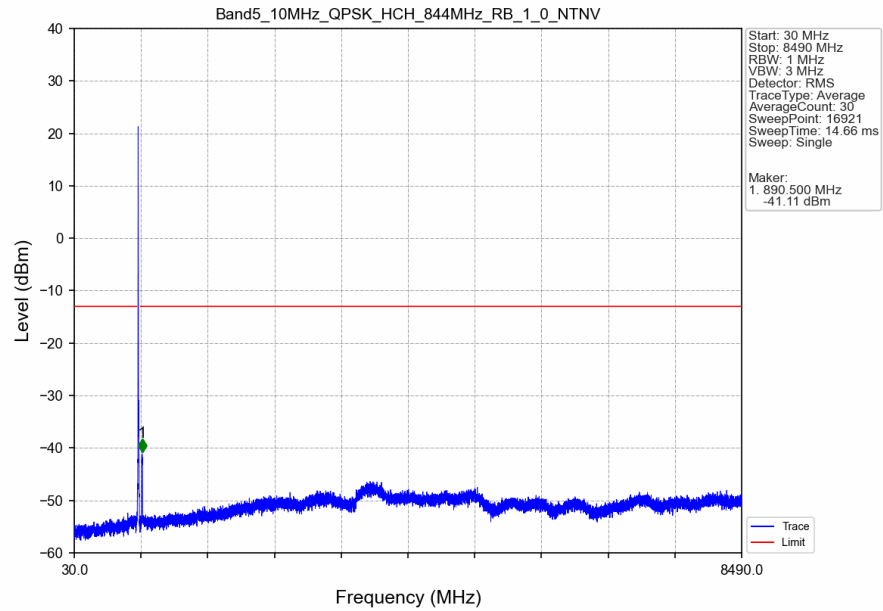


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.340	-40.74	-13	Pass
823	824	0.1	/	2	823.980	-32.93	-13	Pass
824	834	0.1	/	/	/	/	/	/

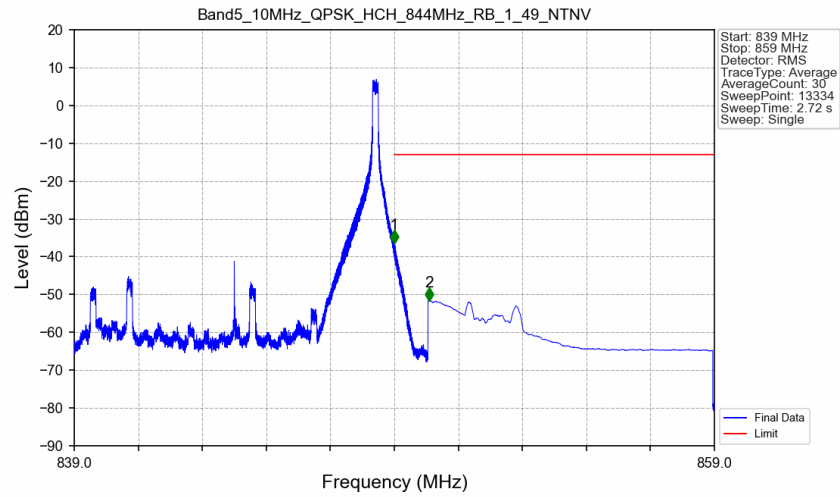
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

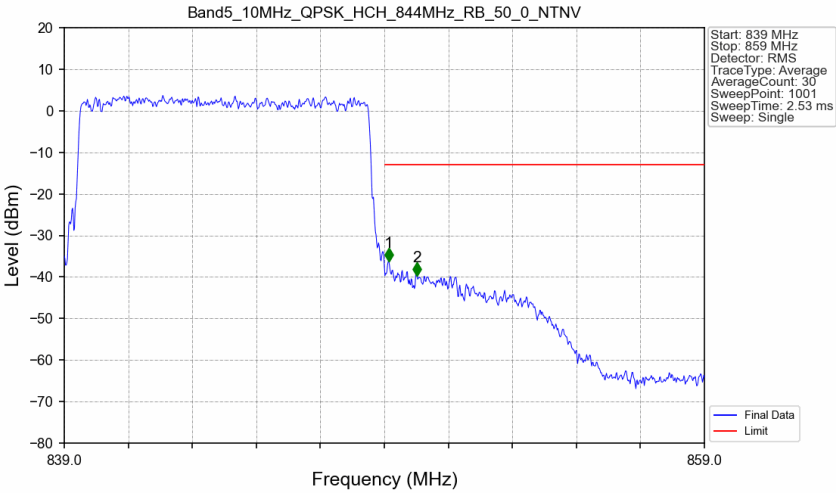


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



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	849.001	-36.37	-13	Pass
850	859	0.1	CHP	2	850.084	-51.60	-13	Pass

Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	850	0.1	/	1	849.140	-36.23	-13	Pass
850	859	0.1	/	2	850.020	-39.76	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5 ANT31-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	-70.95	-13	-57.95	-73.83	2.62	5.5	Horizontal	Pass
2473.5	-68.84	-13	-55.84	-71.54	3.06	5.76	Horizontal	Pass
3298.0	-67.11	-13	-54.11	-71.47	3.3	7.66	Horizontal	Pass
1649.0	-71.13	-13	-58.13	-74.01	2.62	5.5	Vertical	Pass
2473.5	-68.77	-13	-55.77	-71.47	3.06	5.76	Vertical	Pass
3298.0	-66.94	-13	-53.94	-71.3	3.3	7.66	Vertical	Pass

LTE Band 5 ANT31-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	-71.24	-13	-58.24	-74.08	2.63	5.47	Horizontal	Pass
2496.0	-68.19	-13	-55.19	-70.92	3.08	5.81	Horizontal	Pass
3328.0	-66.93	-13	-53.93	-71.36	3.31	7.74	Horizontal	Pass
1664.0	-71.28	-13	-58.28	-74.12	2.63	5.47	Vertical	Pass
2496.0	-68.37	-13	-55.37	-71.1	3.08	5.81	Vertical	Pass
3328.0	-67.05	-13	-54.05	-71.48	3.31	7.74	Vertical	Pass

LTE Band 5 ANT31-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	-71.28	-13	-58.28	-74.08	2.63	5.43	Horizontal	Pass
2518.5	-68.73	-13	-55.73	-71.51	3.08	5.86	Horizontal	Pass
3358.0	-66.56	-13	-53.56	-71.05	3.33	7.82	Horizontal	Pass
1679.0	-71.78	-13	-58.78	-74.58	2.63	5.43	Vertical	Pass
2518.5	-68.33	-13	-55.33	-71.11	3.08	5.86	Vertical	Pass
3358.0	-66.73	-13	-53.73	-71.22	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	-60.49	-25	-35.49	-66.06	4.57	10.14	Horizontal	Pass
7503.0	-52.5	-25	-27.5	-59.3	4.94	11.74	Horizontal	Pass
10004.0	-53.01	-25	-28.01	-60.58	5.46	13.03	Horizontal	Pass
5002.0	-53.77	-25	-28.77	-59.34	4.57	10.14	Vertical	Pass
7503.0	-47.86	-25	-22.86	-54.66	4.94	11.74	Vertical	Pass
10004.0	-47.66	-25	-22.66	-55.23	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	-62.81	-25	-37.81	-68.39	4.59	10.17	Horizontal	Pass
7578.0	-59.98	-25	-34.98	-66.86	4.95	11.83	Horizontal	Pass
10104.0	-56.41	-25	-31.41	-63.98	5.48	13.05	Horizontal	Pass
5052.0	-62.87	-25	-37.87	-68.45	4.59	10.17	Vertical	Pass
7578.0	-59.85	-25	-34.85	-66.73	4.95	11.83	Vertical	Pass
10104.0	-56.49	-25	-31.49	-64.06	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	-60.7	-25	-35.7	-66.3	4.6	10.2	Horizontal	Pass
7653.0	-52.97	-25	-27.97	-59.94	4.95	11.92	Horizontal	Pass
10204.0	-54.02	-25	-29.02	-61.6	5.49	13.07	Horizontal	Pass
5102.0	-54.6	-25	-29.6	-60.2	4.6	10.2	Vertical	Pass
7653.0	-48.93	-25	-23.93	-55.9	4.95	11.92	Vertical	Pass
10204.0	-50.53	-25	-25.53	-58.11	5.49	13.07	Vertical	Pass