

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	22.79	-2.12	18.52	<=38.45	Pass
			2	22.74	-2.12	18.47	<=38.45	Pass
			5	23.00	-2.12	18.73	<=38.45	Pass
		3	0	23.09	-2.12	18.82	<=38.45	Pass
			2	22.99	-2.12	18.72	<=38.45	Pass
			3	22.98	-2.12	18.71	<=38.45	Pass
		6	0	22.15	-2.12	17.88	<=38.45	Pass
	836.5	1	0	22.76	-2.12	18.49	<=38.45	Pass
			2	23.13	-2.12	18.86	<=38.45	Pass
			5	22.75	-2.12	18.48	<=38.45	Pass
		3	0	23.03	-2.12	18.76	<=38.45	Pass
			2	23.04	-2.12	18.77	<=38.45	Pass
			3	23.10	-2.12	18.83	<=38.45	Pass
		6	0	21.99	-2.12	17.72	<=38.45	Pass
	848.3	1	0	22.81	-2.12	18.54	<=38.45	Pass
			2	22.52	-2.12	18.25	<=38.45	Pass
			5	22.83	-2.12	18.56	<=38.45	Pass
		3	0	22.51	-2.12	18.24	<=38.45	Pass
			2	22.88	-2.12	18.61	<=38.45	Pass
			3	22.92	-2.12	18.65	<=38.45	Pass
		6	0	21.93	-2.12	17.66	<=38.45	Pass
16QAM	824.7	1	0	22.03	-2.12	17.76	<=38.45	Pass
			2	22.42	-2.12	18.15	<=38.45	Pass
			5	22.48	-2.12	18.21	<=38.45	Pass
		3	0	22.19	-2.12	17.92	<=38.45	Pass
			2	22.18	-2.12	17.91	<=38.45	Pass
			3	21.99	-2.12	17.72	<=38.45	Pass
		6	0	21.14	-2.12	16.87	<=38.45	Pass
	836.5	1	0	22.10	-2.12	17.83	<=38.45	Pass
			2	22.16	-2.12	17.89	<=38.45	Pass
			5	22.30	-2.12	18.03	<=38.45	Pass
		3	0	22.20	-2.12	17.93	<=38.45	Pass
			2	22.24	-2.12	17.97	<=38.45	Pass
			3	22.17	-2.12	17.90	<=38.45	Pass
		6	0	21.06	-2.12	16.79	<=38.45	Pass
	848.3	1	0	22.33	-2.12	18.06	<=38.45	Pass
			2	21.88	-2.12	17.61	<=38.45	Pass
			5	22.19	-2.12	17.92	<=38.45	Pass
		3	0	21.74	-2.12	17.47	<=38.45	Pass
			2	21.99	-2.12	17.72	<=38.45	Pass
			3	21.93	-2.12	17.66	<=38.45	Pass
		6	0	20.97	-2.12	16.70	<=38.45	Pass
64QAM	824.7	1	0	22.05	-2.12	17.78	<=38.45	Pass
			2	21.56	-2.12	17.29	<=38.45	Pass
			5	21.66	-2.12	17.39	<=38.45	Pass
		3	0	22.17	-2.12	17.90	<=38.45	Pass
			2	22.17	-2.12	17.90	<=38.45	Pass
			3	22.16	-2.12	17.89	<=38.45	Pass
		6	0	21.14	-2.12	16.87	<=38.45	Pass

	836.5	1	0	22.13	-2.12	17.86	<=38.45	Pass
			2	22.27	-2.12	18.00	<=38.45	Pass
			5	21.87	-2.12	17.60	<=38.45	Pass
		3	0	22.16	-2.12	17.89	<=38.45	Pass
			2	22.13	-2.12	17.86	<=38.45	Pass
			3	21.99	-2.12	17.72	<=38.45	Pass
		6	0	21.05	-2.12	16.78	<=38.45	Pass
	848.3	1	0	21.70	-2.12	17.43	<=38.45	Pass
			2	21.86	-2.12	17.59	<=38.45	Pass
			5	22.09	-2.12	17.82	<=38.45	Pass
		3	0	21.86	-2.12	17.59	<=38.45	Pass
			2	21.61	-2.12	17.34	<=38.45	Pass
			3	21.89	-2.12	17.62	<=38.45	Pass
		6	0	20.93	-2.12	16.66	<=38.45	Pass
256QAM	824.7	1	0	18.32	-2.12	14.05	<=38.45	Pass
			2	18.10	-2.12	13.83	<=38.45	Pass
			5	18.17	-2.12	13.90	<=38.45	Pass
		3	0	18.23	-2.12	13.96	<=38.45	Pass
			2	18.14	-2.12	13.87	<=38.45	Pass
			3	18.10	-2.12	13.83	<=38.45	Pass
		6	0	18.16	-2.12	13.89	<=38.45	Pass
	836.5	1	0	17.79	-2.12	13.52	<=38.45	Pass
			2	18.11	-2.12	13.84	<=38.45	Pass
			5	17.68	-2.12	13.41	<=38.45	Pass
		3	0	17.89	-2.12	13.62	<=38.45	Pass
			2	17.99	-2.12	13.72	<=38.45	Pass
			3	18.21	-2.12	13.94	<=38.45	Pass
		6	0	18.07	-2.12	13.80	<=38.45	Pass
	848.3	1	0	17.94	-2.12	13.67	<=38.45	Pass
			2	18.04	-2.12	13.77	<=38.45	Pass
			5	17.79	-2.12	13.52	<=38.45	Pass
		3	0	17.92	-2.12	13.65	<=38.45	Pass
			2	18.10	-2.12	13.83	<=38.45	Pass
			3	17.71	-2.12	13.44	<=38.45	Pass
		6	0	17.98	-2.12	13.71	<=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	22.98	-2.12	18.71	<=38.45	Pass
			7	23.06	-2.12	18.79	<=38.45	Pass
			14	22.82	-2.12	18.55	<=38.45	Pass
		8	0	22.13	-2.12	17.86	<=38.45	Pass
			4	22.03	-2.12	17.76	<=38.45	Pass
			7	22.07	-2.12	17.80	<=38.45	Pass
		15	0	22.10	-2.12	17.83	<=38.45	Pass
	836.5	1	0	22.75	-2.12	18.48	<=38.45	Pass
			7	23.03	-2.12	18.76	<=38.45	Pass
			14	23.02	-2.12	18.75	<=38.45	Pass
		8	0	21.99	-2.12	17.72	<=38.45	Pass
			4	22.07	-2.12	17.80	<=38.45	Pass
			7	22.09	-2.12	17.82	<=38.45	Pass
		15	0	22.04	-2.12	17.77	<=38.45	Pass
	847.5	1	0	22.94	-2.12	18.67	<=38.45	Pass

		8	7	22.98	-2.12	18.71	<=38.45	Pass
			14	22.75	-2.12	18.48	<=38.45	Pass
			0	22.00	-2.12	17.73	<=38.45	Pass
			4	21.98	-2.12	17.71	<=38.45	Pass
			7	22.01	-2.12	17.74	<=38.45	Pass
		15	0	22.06	-2.12	17.79	<=38.45	Pass
16QAM	825.5	1	0	21.89	-2.12	17.62	<=38.45	Pass
			7	22.36	-2.12	18.09	<=38.45	Pass
			14	21.95	-2.12	17.68	<=38.45	Pass
		8	0	21.18	-2.12	16.91	<=38.45	Pass
			4	21.14	-2.12	16.87	<=38.45	Pass
			7	21.16	-2.12	16.89	<=38.45	Pass
		15	0	21.12	-2.12	16.85	<=38.45	Pass
	836.5	1	0	22.21	-2.12	17.94	<=38.45	Pass
			7	22.22	-2.12	17.95	<=38.45	Pass
			14	22.28	-2.12	18.01	<=38.45	Pass
		8	0	21.16	-2.12	16.89	<=38.45	Pass
			4	21.09	-2.12	16.82	<=38.45	Pass
			7	21.16	-2.12	16.89	<=38.45	Pass
		15	0	21.07	-2.12	16.80	<=38.45	Pass
	847.5	1	0	22.19	-2.12	17.92	<=38.45	Pass
			7	22.13	-2.12	17.86	<=38.45	Pass
			14	22.13	-2.12	17.86	<=38.45	Pass
		8	0	21.16	-2.12	16.89	<=38.45	Pass
			4	21.08	-2.12	16.81	<=38.45	Pass
			7	21.04	-2.12	16.77	<=38.45	Pass
		15	0	21.04	-2.12	16.77	<=38.45	Pass
64QAM	825.5	1	0	22.12	-2.12	17.85	<=38.45	Pass
			7	22.53	-2.12	18.26	<=38.45	Pass
			14	21.73	-2.12	17.46	<=38.45	Pass
		8	0	21.09	-2.12	16.82	<=38.45	Pass
			4	21.12	-2.12	16.85	<=38.45	Pass
			7	21.11	-2.12	16.84	<=38.45	Pass
		15	0	21.15	-2.12	16.88	<=38.45	Pass
	836.5	1	0	22.11	-2.12	17.84	<=38.45	Pass
			7	22.15	-2.12	17.88	<=38.45	Pass
			14	21.75	-2.12	17.48	<=38.45	Pass
		8	0	21.08	-2.12	16.81	<=38.45	Pass
			4	21.05	-2.12	16.78	<=38.45	Pass
			7	21.13	-2.12	16.86	<=38.45	Pass
		15	0	21.03	-2.12	16.76	<=38.45	Pass
	847.5	1	0	22.07	-2.12	17.80	<=38.45	Pass
			7	22.08	-2.12	17.81	<=38.45	Pass
			14	21.71	-2.12	17.44	<=38.45	Pass
		8	0	21.03	-2.12	16.76	<=38.45	Pass
			4	21.08	-2.12	16.81	<=38.45	Pass
			7	21.00	-2.12	16.73	<=38.45	Pass
		15	0	21.00	-2.12	16.73	<=38.45	Pass
256QAM	825.5	1	0	18.23	-2.12	13.96	<=38.45	Pass
			7	17.88	-2.12	13.61	<=38.45	Pass
			14	18.15	-2.12	13.88	<=38.45	Pass
		8	0	18.15	-2.12	13.88	<=38.45	Pass
			4	18.21	-2.12	13.94	<=38.45	Pass
			7	18.00	-2.12	13.73	<=38.45	Pass
		15	0	18.20	-2.12	13.93	<=38.45	Pass
	836.5	1	0	18.16	-2.12	13.89	<=38.45	Pass
			7	17.92	-2.12	13.65	<=38.45	Pass
			14	18.20	-2.12	13.93	<=38.45	Pass
		8	0	18.14	-2.12	13.87	<=38.45	Pass
			0	18.14	-2.12	13.87	<=38.45	Pass

		15	4	18.18	-2.12	13.91	<=38.45	Pass
			7	18.17	-2.12	13.90	<=38.45	Pass
			0	18.14	-2.12	13.87	<=38.45	Pass
	847.5	1	0	18.28	-2.12	14.01	<=38.45	Pass
			7	18.05	-2.12	13.78	<=38.45	Pass
			14	17.85	-2.12	13.58	<=38.45	Pass
		8	0	18.09	-2.12	13.82	<=38.45	Pass
			4	18.19	-2.12	13.92	<=38.45	Pass
			7	18.05	-2.12	13.78	<=38.45	Pass
		15	0	18.06	-2.12	13.79	<=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	23.06	-2.12	18.79	<=38.45	Pass
			13	22.98	-2.12	18.71	<=38.45	Pass
			24	23.03	-2.12	18.76	<=38.45	Pass
		12	0	22.17	-2.12	17.90	<=38.45	Pass
			6	22.14	-2.12	17.87	<=38.45	Pass
			13	22.05	-2.12	17.78	<=38.45	Pass
		25	0	22.05	-2.12	17.78	<=38.45	Pass
	836.5	1	0	23.10	-2.12	18.83	<=38.45	Pass
			13	22.97	-2.12	18.70	<=38.45	Pass
			24	23.01	-2.12	18.74	<=38.45	Pass
		12	0	22.11	-2.12	17.84	<=38.45	Pass
			6	22.11	-2.12	17.84	<=38.45	Pass
			13	22.07	-2.12	17.80	<=38.45	Pass
		25	0	21.99	-2.12	17.72	<=38.45	Pass
	846.5	1	0	23.05	-2.12	18.78	<=38.45	Pass
			13	23.16	-2.12	18.89	<=38.45	Pass
			24	22.92	-2.12	18.65	<=38.45	Pass
		12	0	21.95	-2.12	17.68	<=38.45	Pass
			6	22.00	-2.12	17.73	<=38.45	Pass
			13	22.01	-2.12	17.74	<=38.45	Pass
		25	0	21.88	-2.12	17.61	<=38.45	Pass
16QAM	826.5	1	0	22.19	-2.12	17.92	<=38.45	Pass
			13	21.90	-2.12	17.63	<=38.45	Pass
			24	22.22	-2.12	17.95	<=38.45	Pass
		12	0	21.09	-2.12	16.82	<=38.45	Pass
			6	21.10	-2.12	16.83	<=38.45	Pass
			13	21.06	-2.12	16.79	<=38.45	Pass
		25	0	21.08	-2.12	16.81	<=38.45	Pass
	836.5	1	0	22.16	-2.12	17.89	<=38.45	Pass
			13	22.33	-2.12	18.06	<=38.45	Pass
			24	21.96	-2.12	17.69	<=38.45	Pass
		12	0	21.09	-2.12	16.82	<=38.45	Pass
			6	21.12	-2.12	16.85	<=38.45	Pass
			13	21.10	-2.12	16.83	<=38.45	Pass
		25	0	21.10	-2.12	16.83	<=38.45	Pass
	846.5	1	0	22.29	-2.12	18.02	<=38.45	Pass
			13	22.42	-2.12	18.15	<=38.45	Pass
			24	22.12	-2.12	17.85	<=38.45	Pass
		12	0	20.99	-2.12	16.72	<=38.45	Pass
			6	21.00	-2.12	16.73	<=38.45	Pass

			13	21.08	-2.12	16.81	<=38.45	Pass	
		25	0	21.00	-2.12	16.73	<=38.45	Pass	
64QAM	826.5	1	0	22.01	-2.12	17.74	<=38.45	Pass	
			13	21.69	-2.12	17.42	<=38.45	Pass	
			24	21.72	-2.12	17.45	<=38.45	Pass	
			0	21.07	-2.12	16.80	<=38.45	Pass	
		12	6	21.09	-2.12	16.82	<=38.45	Pass	
			13	21.06	-2.12	16.79	<=38.45	Pass	
			25	0	21.07	-2.12	16.80	<=38.45	Pass
		836.5	1	0	21.24	-2.12	16.97	<=38.45	Pass
				13	22.31	-2.12	18.04	<=38.45	Pass
				24	21.54	-2.12	17.27	<=38.45	Pass
	0			21.02	-2.12	16.75	<=38.45	Pass	
	12		6	21.02	-2.12	16.75	<=38.45	Pass	
			13	21.22	-2.12	16.95	<=38.45	Pass	
			25	0	20.99	-2.12	16.72	<=38.45	Pass
	846.5		1	0	22.12	-2.12	17.85	<=38.45	Pass
		13		21.98	-2.12	17.71	<=38.45	Pass	
		24		21.81	-2.12	17.54	<=38.45	Pass	
		0		21.04	-2.12	16.77	<=38.45	Pass	
		12	6	20.98	-2.12	16.71	<=38.45	Pass	
			13	20.87	-2.12	16.60	<=38.45	Pass	
			25	0	21.01	-2.12	16.74	<=38.45	Pass
		256QAM	826.5	1	0	18.06	-2.12	13.79	<=38.45
	13				17.72	-2.12	13.45	<=38.45	Pass
24	18.05				-2.12	13.78	<=38.45	Pass	
12	0			18.14	-2.12	13.87	<=38.45	Pass	
	6			18.11	-2.12	13.84	<=38.45	Pass	
	13			18.13	-2.12	13.86	<=38.45	Pass	
	25			0	18.09	-2.12	13.82	<=38.45	Pass
836.5	1		0	18.10	-2.12	13.83	<=38.45	Pass	
			13	18.33	-2.12	14.06	<=38.45	Pass	
			24	18.05	-2.12	13.78	<=38.45	Pass	
	12		0	18.09	-2.12	13.82	<=38.45	Pass	
			6	18.20	-2.12	13.93	<=38.45	Pass	
			13	18.14	-2.12	13.87	<=38.45	Pass	
	25		0	18.06	-2.12	13.79	<=38.45	Pass	
846.5	1		0	17.94	-2.12	13.67	<=38.45	Pass	
			13	17.94	-2.12	13.67	<=38.45	Pass	
			24	18.00	-2.12	13.73	<=38.45	Pass	
	12		0	17.96	-2.12	13.69	<=38.45	Pass	
			6	18.04	-2.12	13.77	<=38.45	Pass	
			13	18.06	-2.12	13.79	<=38.45	Pass	
	25		0	17.99	-2.12	13.72	<=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	22.90	-2.12	18.63	<=38.45	Pass
			25	23.05	-2.12	18.78	<=38.45	Pass
			49	22.71	-2.12	18.44	<=38.45	Pass
		25	0	22.11	-2.12	17.84	<=38.45	Pass
			13	22.15	-2.12	17.88	<=38.45	Pass
			25	22.08	-2.12	17.81	<=38.45	Pass

		50	0	22.13	-2.12	17.86	<=38.45	Pass
		836.5	1	0	22.94	-2.12	18.67	<=38.45
				25	23.08	-2.12	18.81	<=38.45
				49	22.89	-2.12	18.62	<=38.45
				0	22.03	-2.12	17.76	<=38.45
		25		13	22.08	-2.12	17.81	<=38.45
				25	22.12	-2.12	17.85	<=38.45
				0	22.05	-2.12	17.78	<=38.45
		844	1	0	23.02	-2.12	18.75	<=38.45
				25	23.05	-2.12	18.78	<=38.45
				49	22.70	-2.12	18.43	<=38.45
			25	0	22.10	-2.12	17.83	<=38.45
				13	21.91	-2.12	17.64	<=38.45
				25	22.09	-2.12	17.82	<=38.45
			50	0	22.09	-2.12	17.82	<=38.45
				0	21.94	-2.12	17.67	<=38.45
16QAM	829	1		25	21.97	-2.12	17.70	<=38.45
				49	21.95	-2.12	17.68	<=38.45
				0	21.07	-2.12	16.80	<=38.45
		25		13	21.17	-2.12	16.90	<=38.45
				25	21.15	-2.12	16.88	<=38.45
				0	21.18	-2.12	16.91	<=38.45
	836.5	1		0	22.16	-2.12	17.89	<=38.45
				25	22.38	-2.12	18.11	<=38.45
				49	21.91	-2.12	17.64	<=38.45
		25		0	21.11	-2.12	16.84	<=38.45
				13	21.18	-2.12	16.91	<=38.45
				25	21.11	-2.12	16.84	<=38.45
	844	1		0	22.16	-2.12	17.89	<=38.45
				25	22.17	-2.12	17.90	<=38.45
				49	21.91	-2.12	17.64	<=38.45
		25		0	21.11	-2.12	16.84	<=38.45
				13	21.03	-2.12	16.76	<=38.45
				25	21.02	-2.12	16.75	<=38.45
64QAM	829	1		0	20.95	-2.12	16.68	<=38.45
				0	22.08	-2.12	17.81	<=38.45
				25	22.22	-2.12	17.95	<=38.45
		25		49	22.25	-2.12	17.98	<=38.45
				0	21.11	-2.12	16.84	<=38.45
				13	21.16	-2.12	16.89	<=38.45
	836.5	1		25	21.04	-2.12	16.77	<=38.45
				0	21.06	-2.12	16.79	<=38.45
				0	22.13	-2.12	17.86	<=38.45
		25		25	22.27	-2.12	18.00	<=38.45
				49	21.79	-2.12	17.52	<=38.45
				0	21.00	-2.12	16.73	<=38.45
	844	1		13	21.11	-2.12	16.84	<=38.45
				25	21.10	-2.12	16.83	<=38.45
				0	21.04	-2.12	16.77	<=38.45
		25		0	21.69	-2.12	17.42	<=38.45
				25	21.55	-2.12	17.28	<=38.45
				49	21.81	-2.12	17.54	<=38.45
256QAM	829	1		0	21.02	-2.12	16.75	<=38.45
				13	21.01	-2.12	16.74	<=38.45
				25	21.04	-2.12	16.77	<=38.45
		50		0	21.00	-2.12	16.73	<=38.45
				0	18.14	-2.12	13.87	<=38.45
				25	18.25	-2.12	13.98	<=38.45

		25	49	18.06	-2.12	13.79	<=38.45	Pass
			0	18.13	-2.12	13.86	<=38.45	Pass
			13	18.17	-2.12	13.90	<=38.45	Pass
			25	18.16	-2.12	13.89	<=38.45	Pass
		50	0	18.10	-2.12	13.83	<=38.45	Pass
	836.5	1	0	18.08	-2.12	13.81	<=38.45	Pass
			25	18.22	-2.12	13.95	<=38.45	Pass
			49	18.19	-2.12	13.92	<=38.45	Pass
		25	0	18.06	-2.12	13.79	<=38.45	Pass
			13	18.11	-2.12	13.84	<=38.45	Pass
			25	18.15	-2.12	13.88	<=38.45	Pass
		50	0	18.11	-2.12	13.84	<=38.45	Pass
	844	1	0	18.16	-2.12	13.89	<=38.45	Pass
			25	18.33	-2.12	14.06	<=38.45	Pass
			49	18.22	-2.12	13.95	<=38.45	Pass
		25	0	18.18	-2.12	13.91	<=38.45	Pass
			13	18.08	-2.12	13.81	<=38.45	Pass
			25	18.06	-2.12	13.79	<=38.45	Pass
		50	0	18.04	-2.12	13.77	<=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	-2.700	-0.0032	-2.5 to 2.5	Pass
					NV	-0.200	-0.0002	-2.5 to 2.5	Pass
					HV	-1.800	-0.0022	-2.5 to 2.5	Pass
				-30	NV	-2.300	-0.0027	-2.5 to 2.5	Pass
				-20	NV	0.800	0.0010	-2.5 to 2.5	Pass
				-10	NV	-1.900	-0.0023	-2.5 to 2.5	Pass
				0	NV	-0.300	-0.0004	-2.5 to 2.5	Pass
				10	NV	0.200	0.0002	-2.5 to 2.5	Pass
				30	NV	-1.100	-0.0013	-2.5 to 2.5	Pass
				40	NV	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	NV	-0.600	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

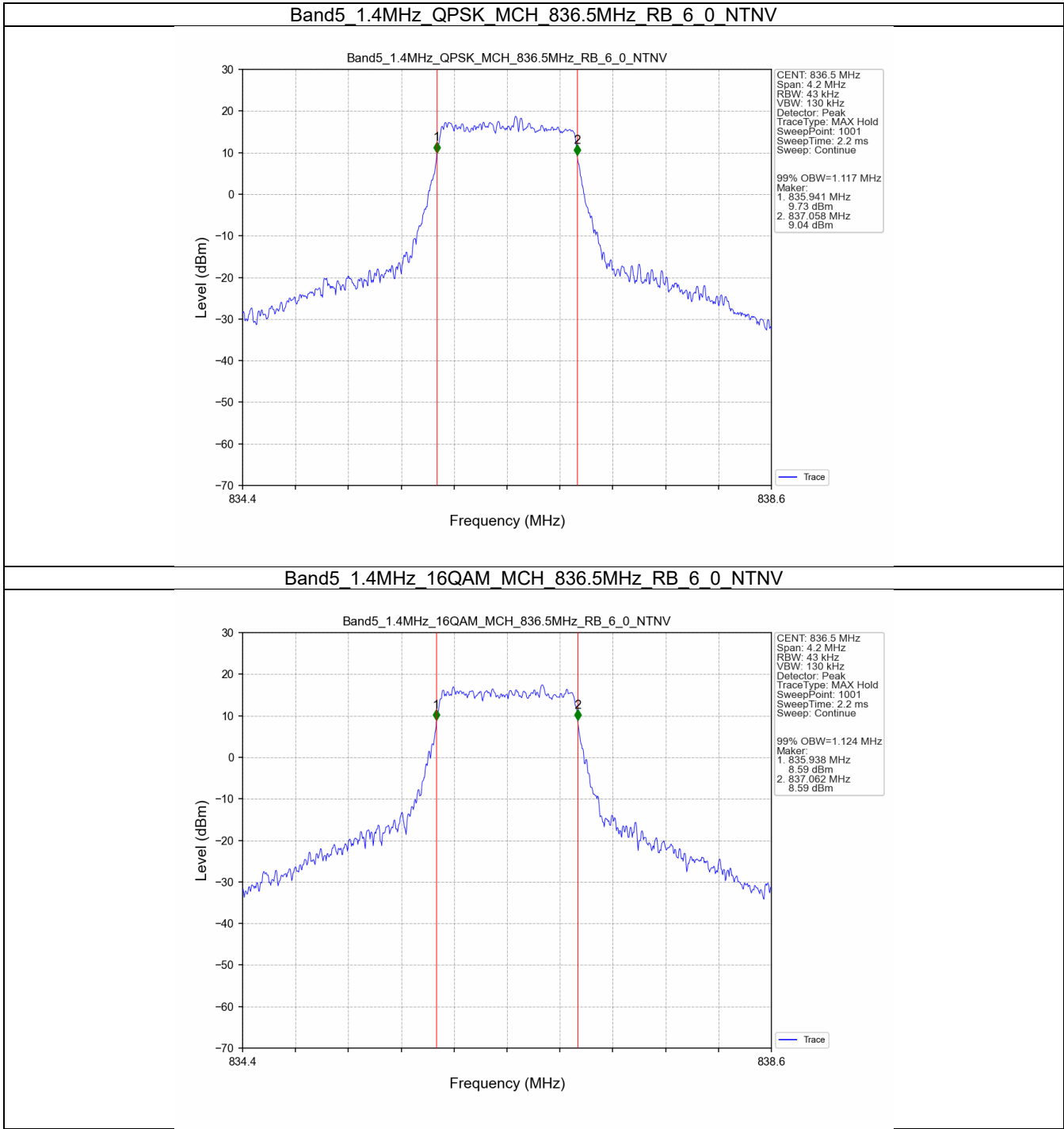
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.117	/	Pass
	16QAM	836.5	6	0	1.124	/	Pass
	64QAM	836.5	6	0	1.121	/	Pass
	256QAM	836.5	6	0	1.121	/	Pass
3	QPSK	836.5	15	0	2.751	/	Pass
	16QAM	836.5	15	0	2.743	/	Pass
	64QAM	836.5	15	0	2.739	/	Pass
	256QAM	836.5	15	0	2.750	/	Pass
5	QPSK	836.5	25	0	4.555	/	Pass
	16QAM	836.5	25	0	4.560	/	Pass
	64QAM	836.5	25	0	4.556	/	Pass
	256QAM	836.5	25	0	4.563	/	Pass
10	QPSK	836.5	50	0	9.080	/	Pass
	16QAM	836.5	50	0	9.085	/	Pass
	64QAM	836.5	50	0	9.080	/	Pass
	256QAM	836.5	50	0	9.073	/	Pass

3.1.2 Band5_XDB

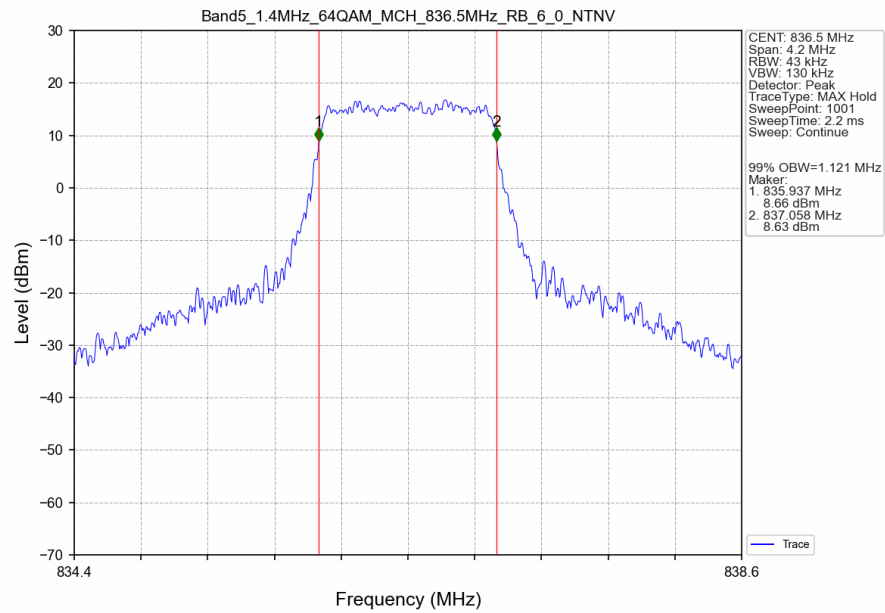
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.363	/	Pass
	16QAM	836.5	6	0	1.394	/	Pass
	64QAM	836.5	6	0	1.392	/	Pass
	256QAM	836.5	6	0	1.381	/	Pass
3	QPSK	836.5	15	0	3.122	/	Pass
	16QAM	836.5	15	0	3.132	/	Pass
	64QAM	836.5	15	0	3.107	/	Pass
	256QAM	836.5	15	0	3.148	/	Pass
5	QPSK	836.5	25	0	5.230	/	Pass
	16QAM	836.5	25	0	5.190	/	Pass
	64QAM	836.5	25	0	5.254	/	Pass
	256QAM	836.5	25	0	5.186	/	Pass
10	QPSK	836.5	50	0	10.147	/	Pass
	16QAM	836.5	50	0	10.109	/	Pass
	64QAM	836.5	50	0	10.153	/	Pass
	256QAM	836.5	50	0	10.175	/	Pass

3.2 Test Graph

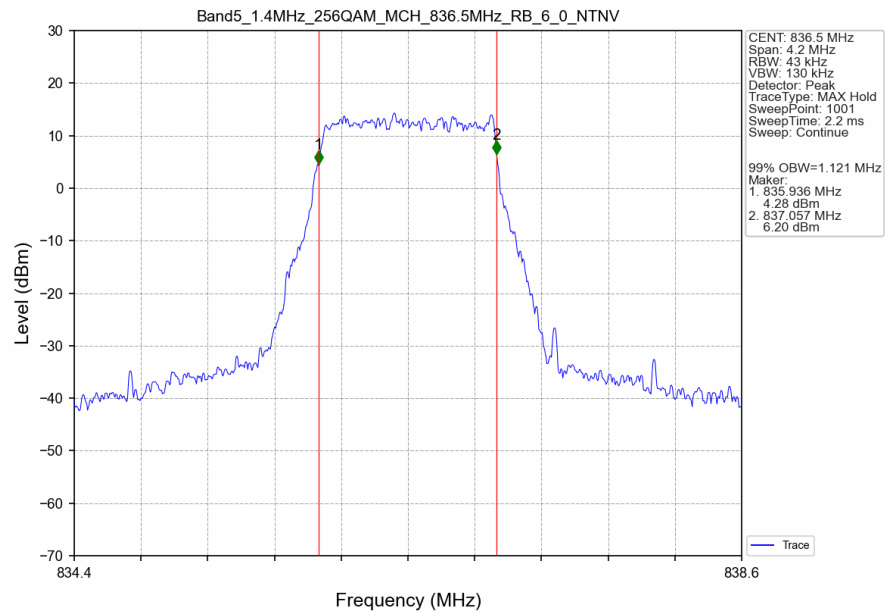
3.2.1 Band5_OBW



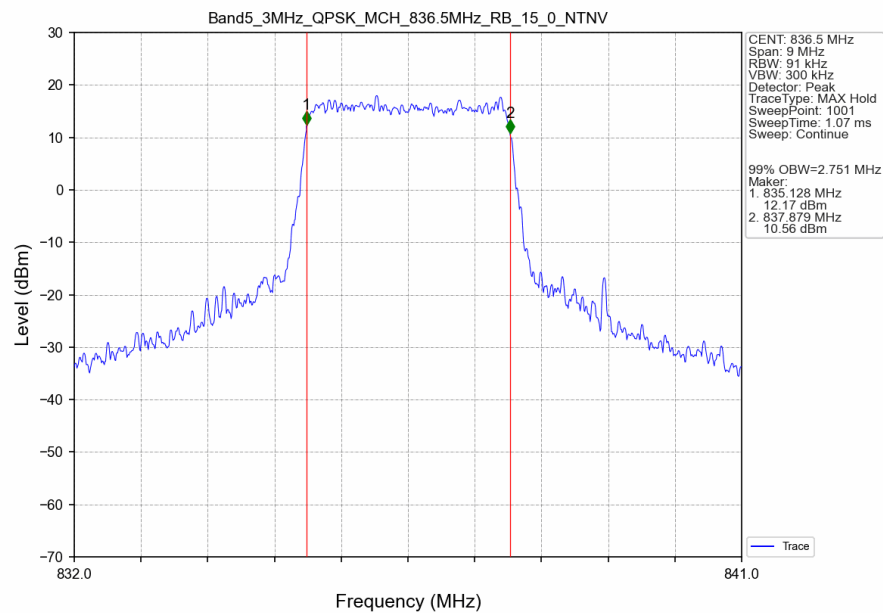
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTV



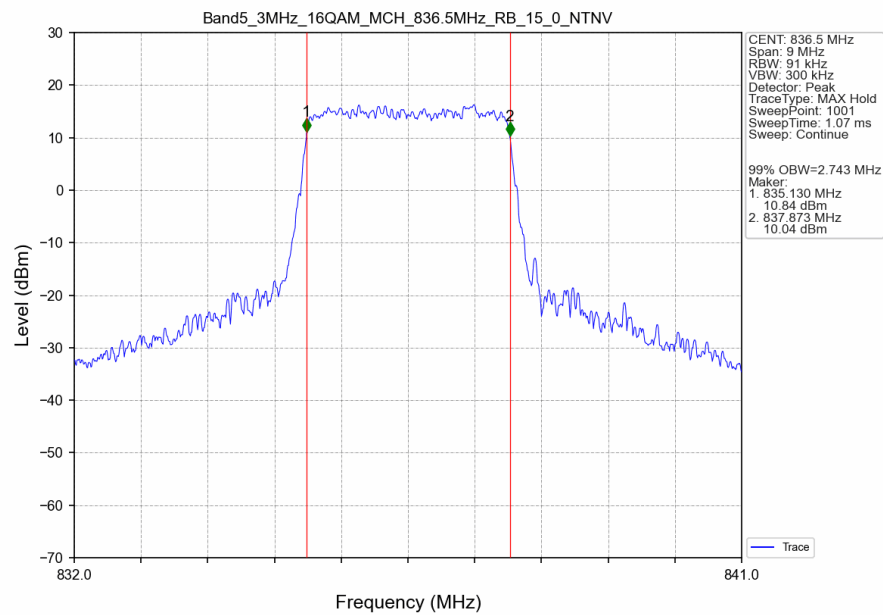
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTV



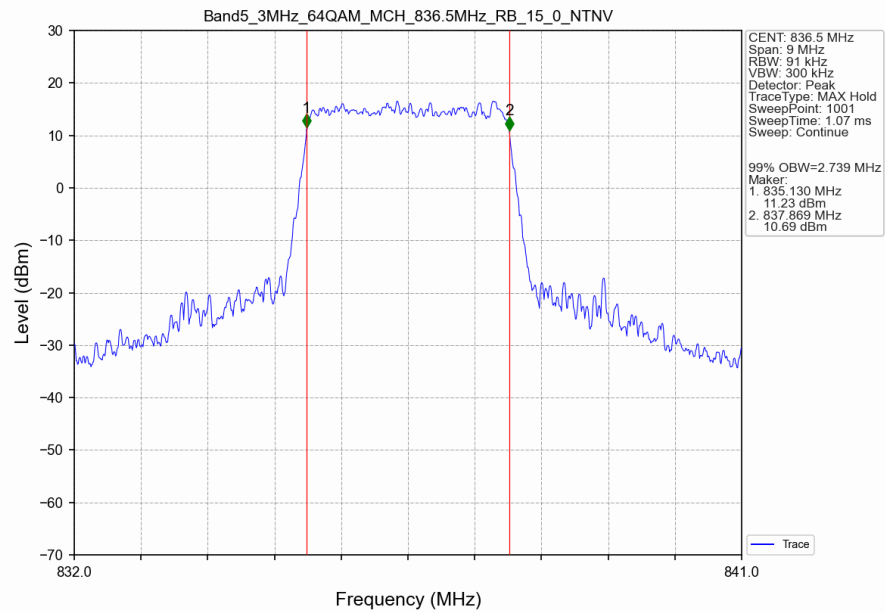
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



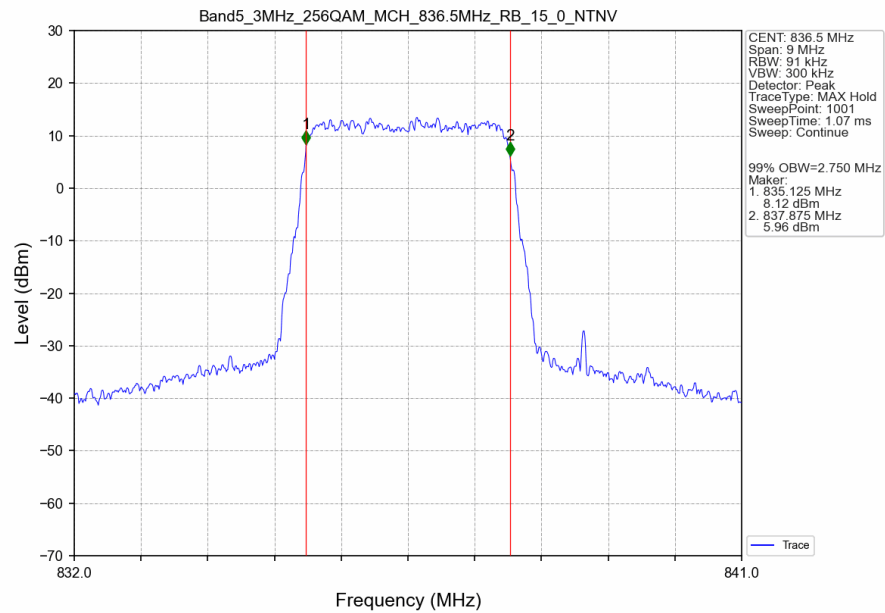
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



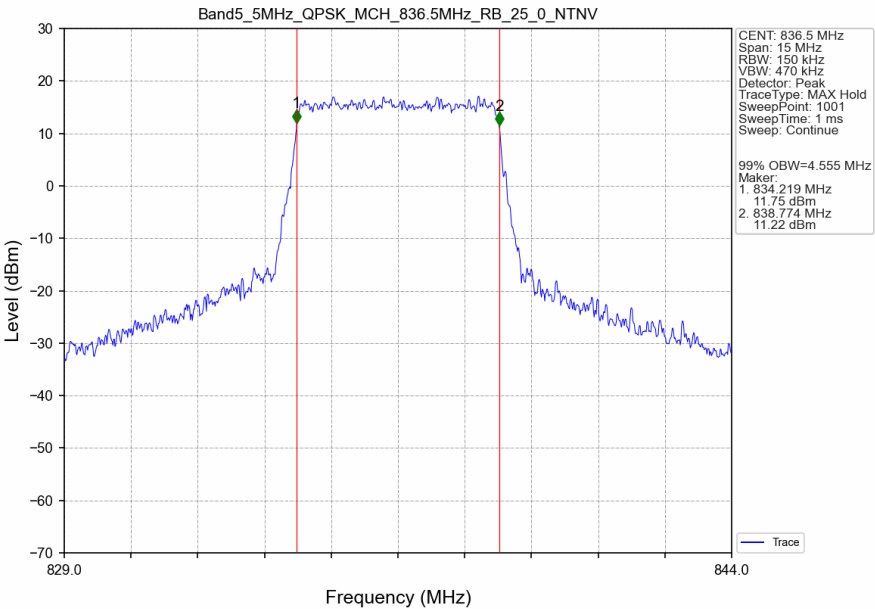
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTV



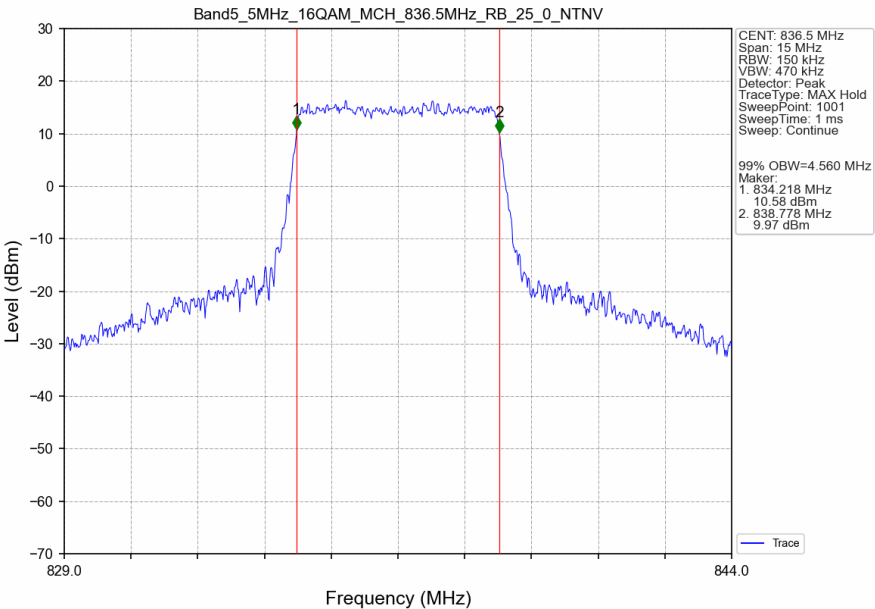
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTV



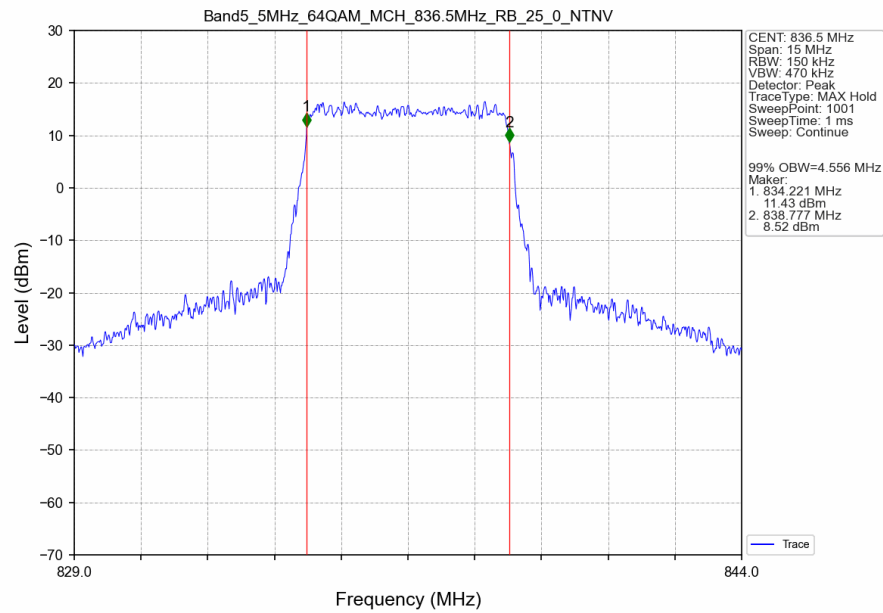
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



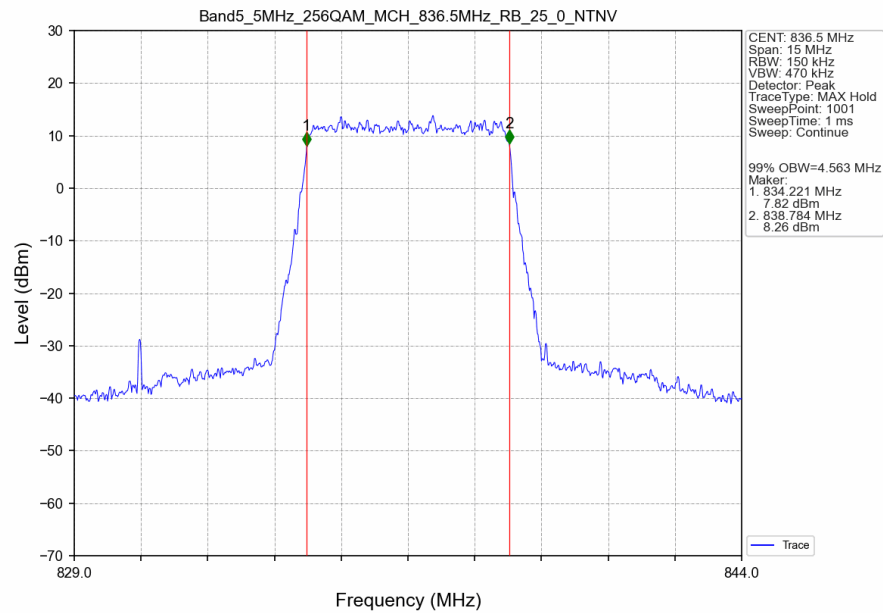
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



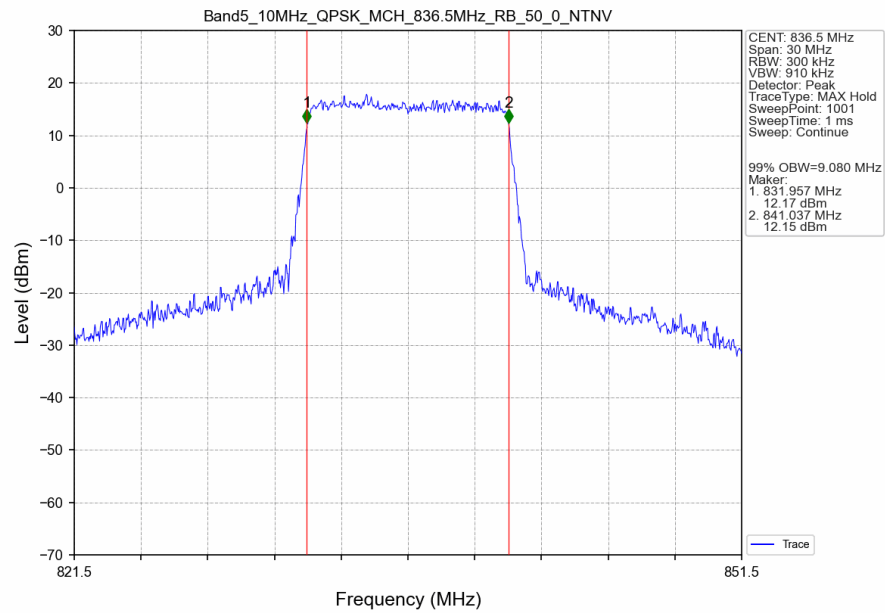
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



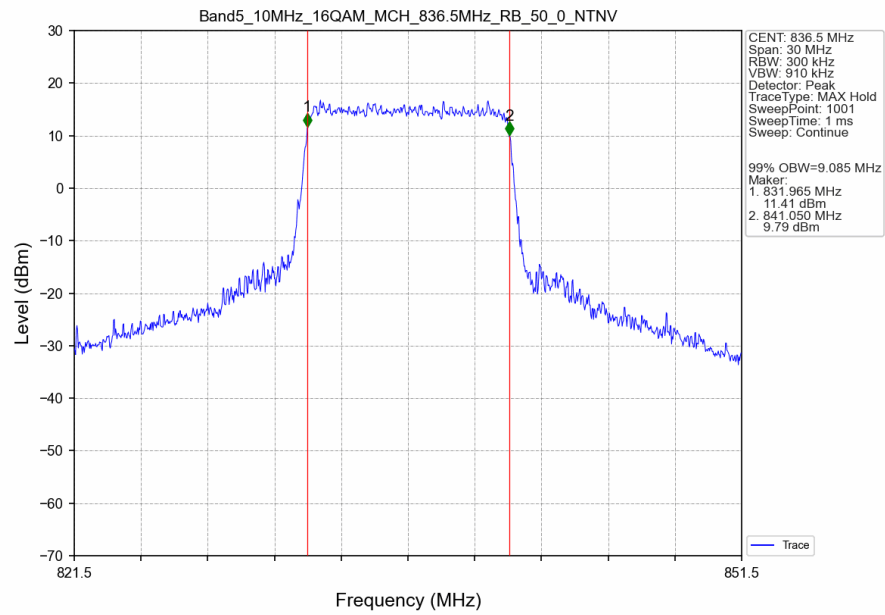
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



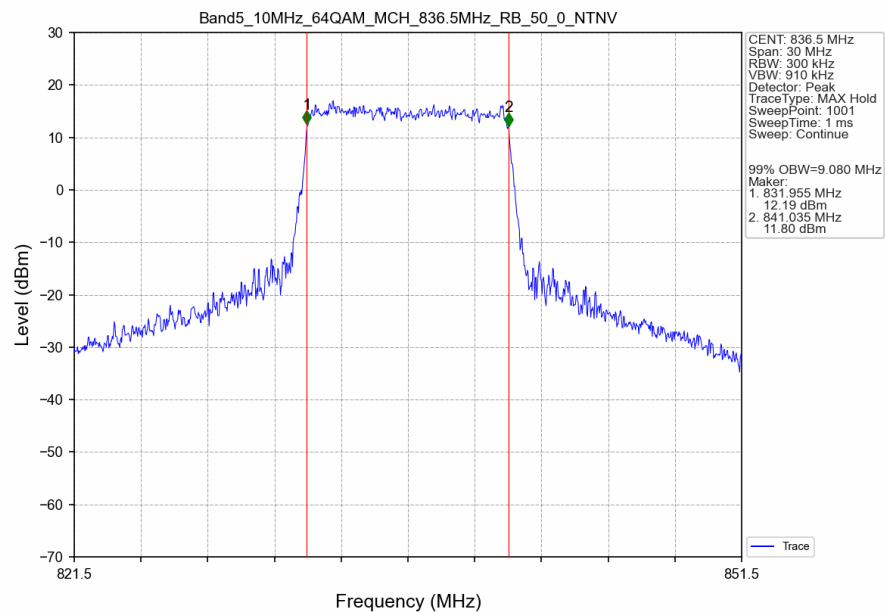
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV



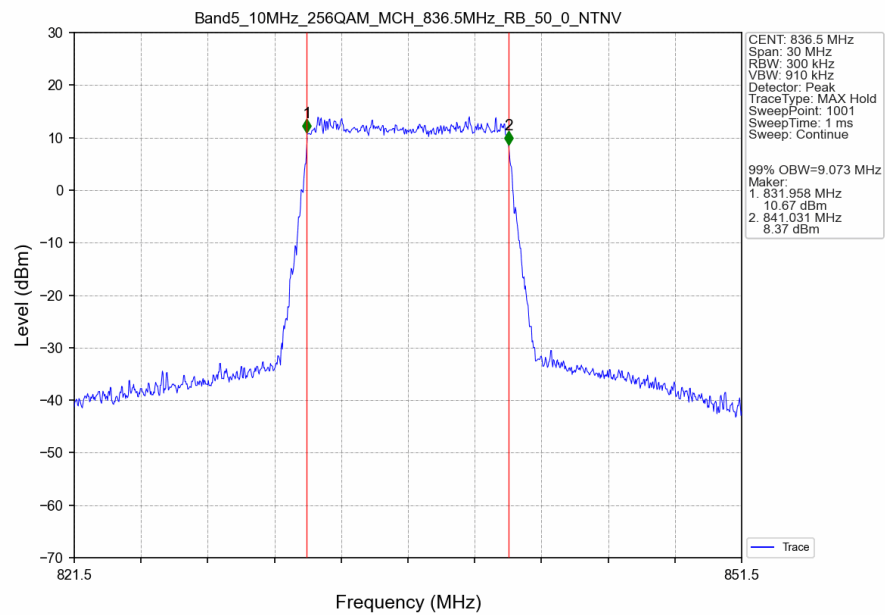
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTV



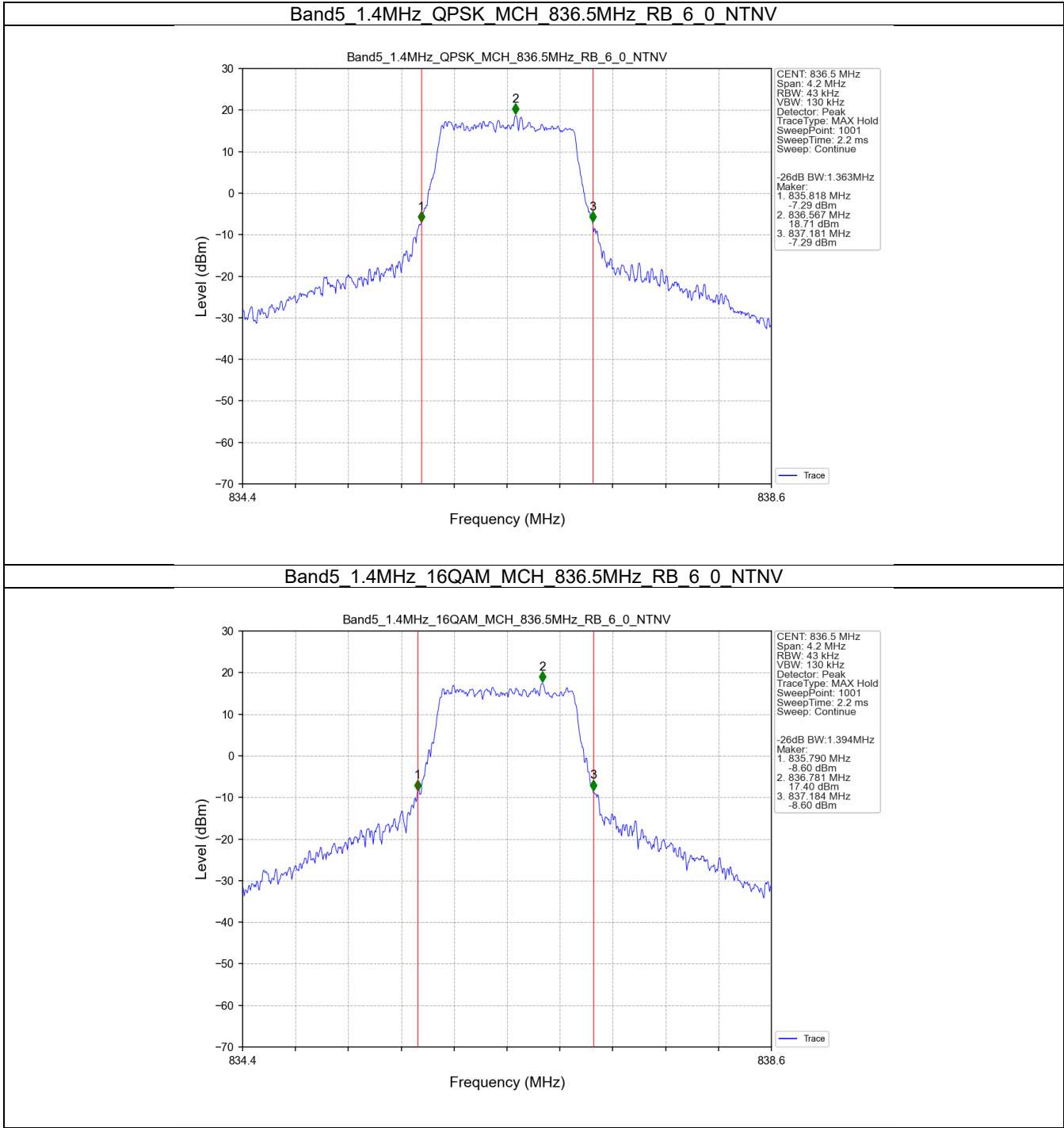
Band5 10MHz 64QAM MCH 836.5MHz RB 50 0 NTN



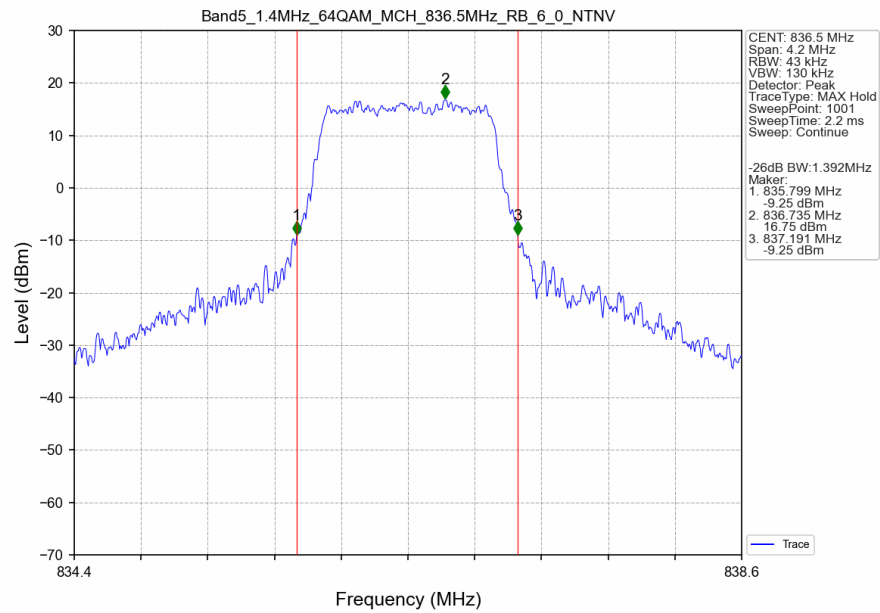
Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTN



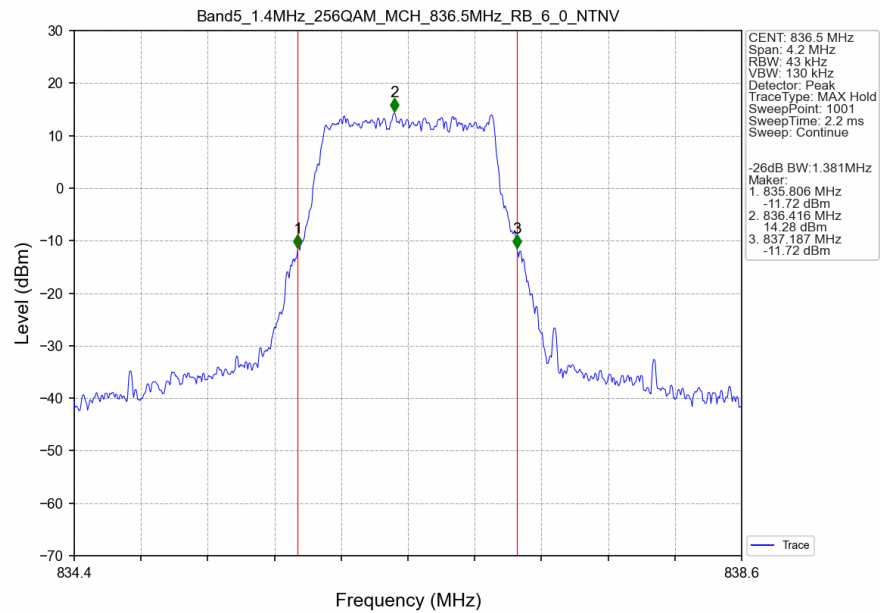
3.2.2 Band5_XDB



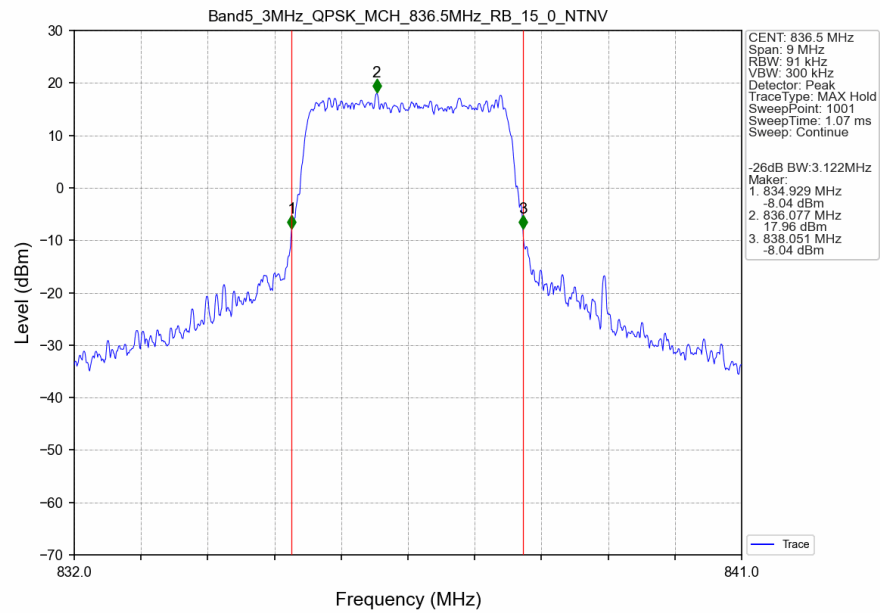
Band5 1.4MHz 64QAM MCH 836.5MHz RB 6 0 NTN



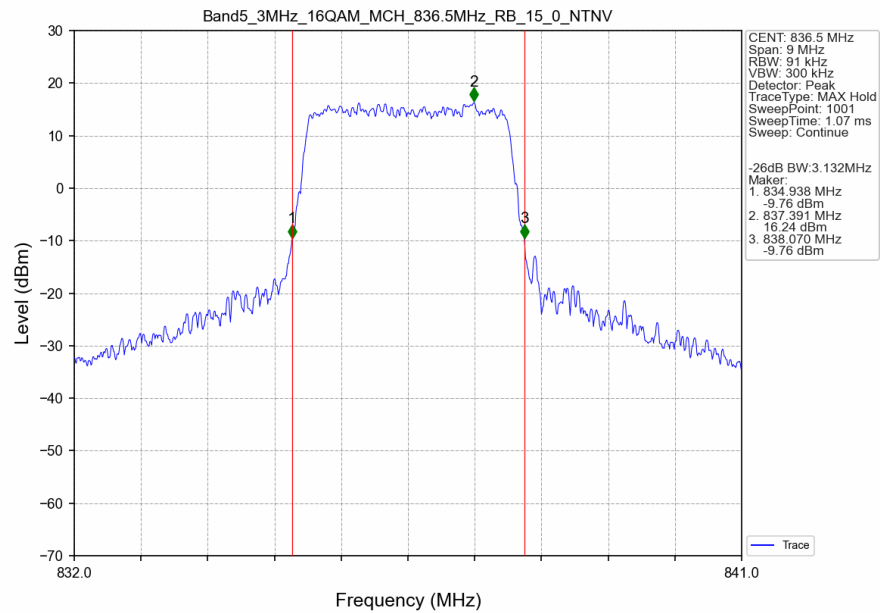
Band5 1.4MHz 256QAM MCH 836.5MHz RB 6 0 NTN



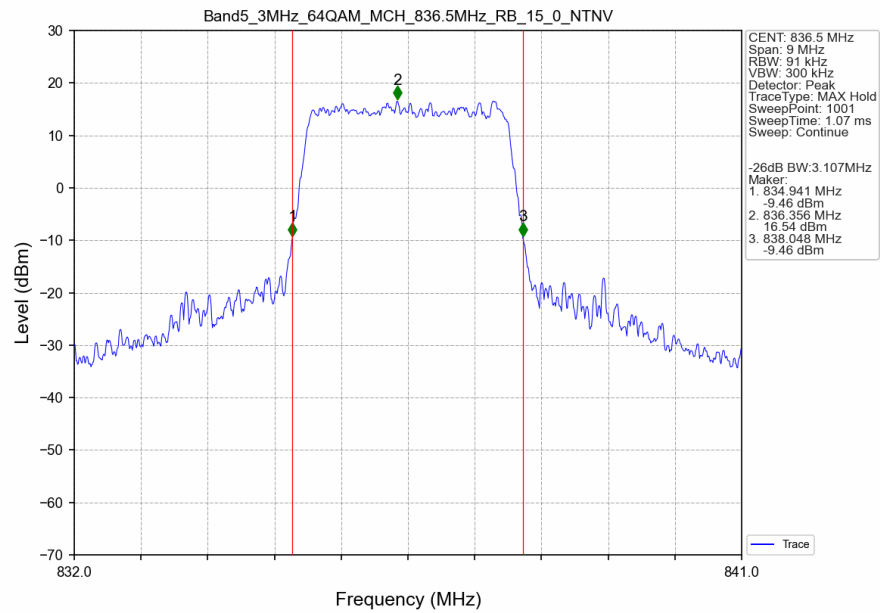
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



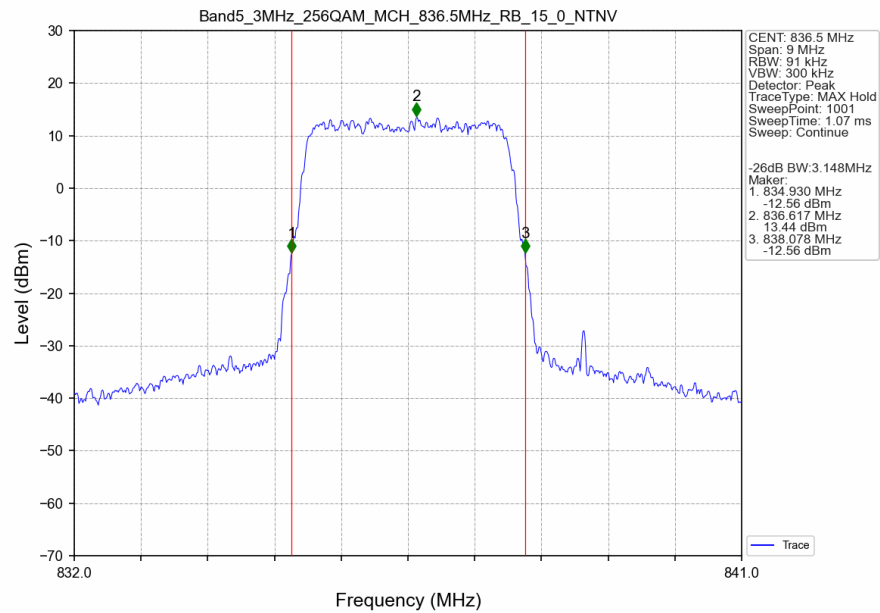
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



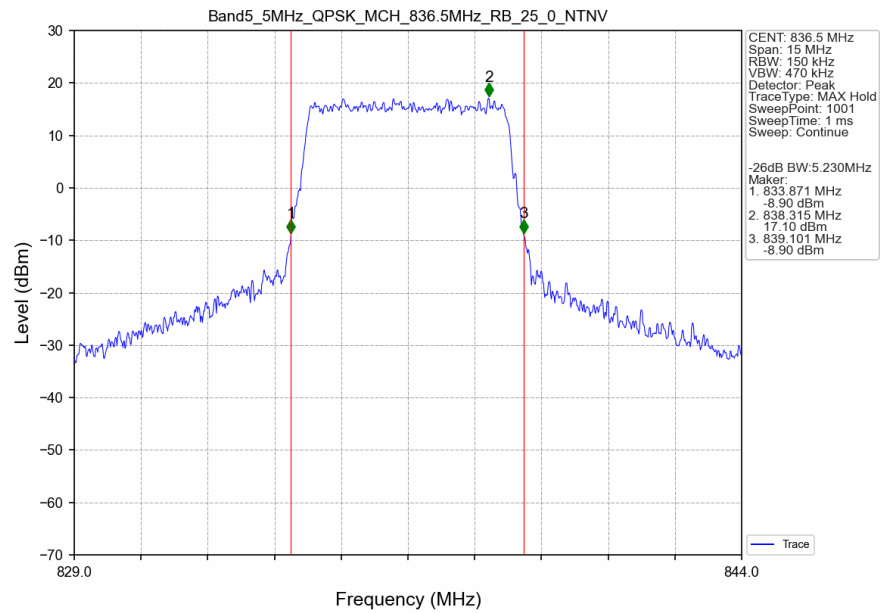
Band5 3MHz 64QAM MCH 836.5MHz RB 15 0 NTN



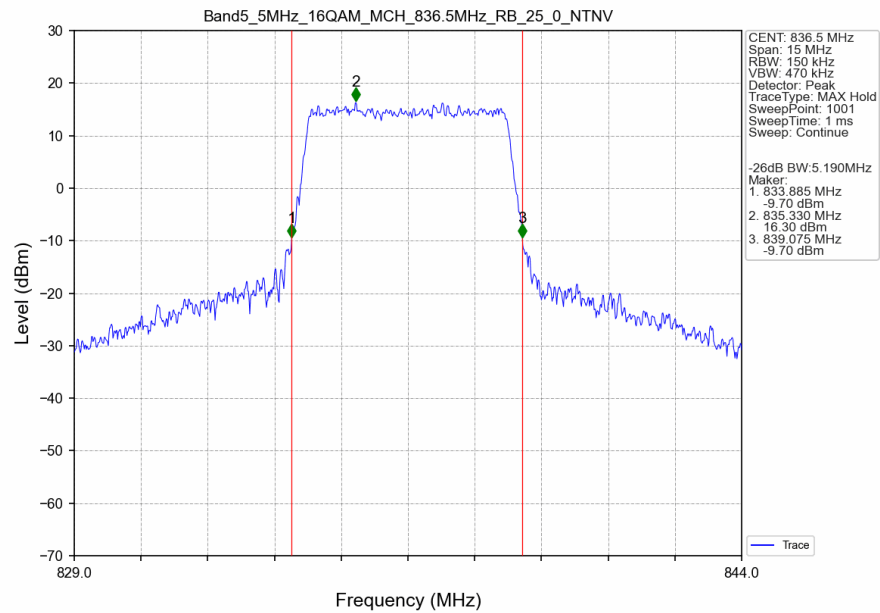
Band5 3MHz 256QAM MCH 836.5MHz RB 15 0 NTN



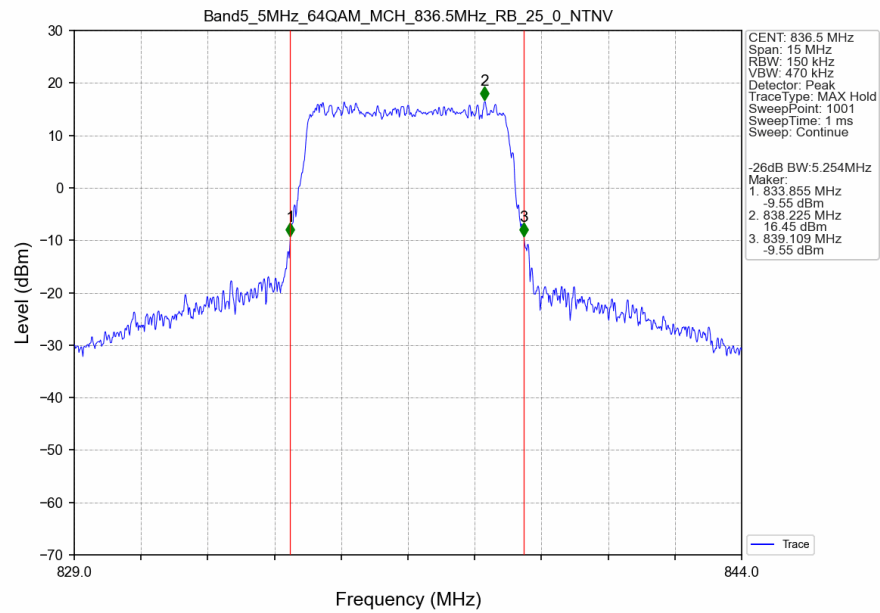
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



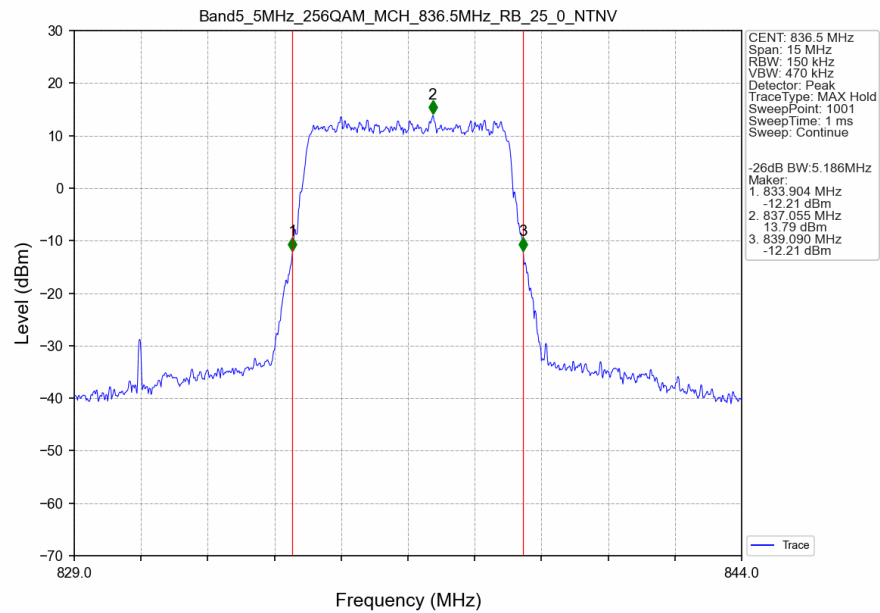
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



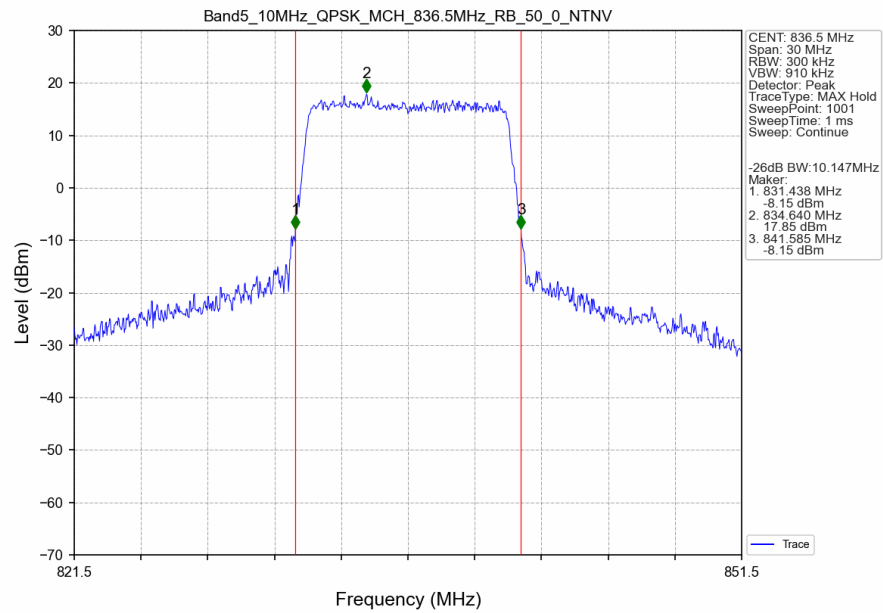
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



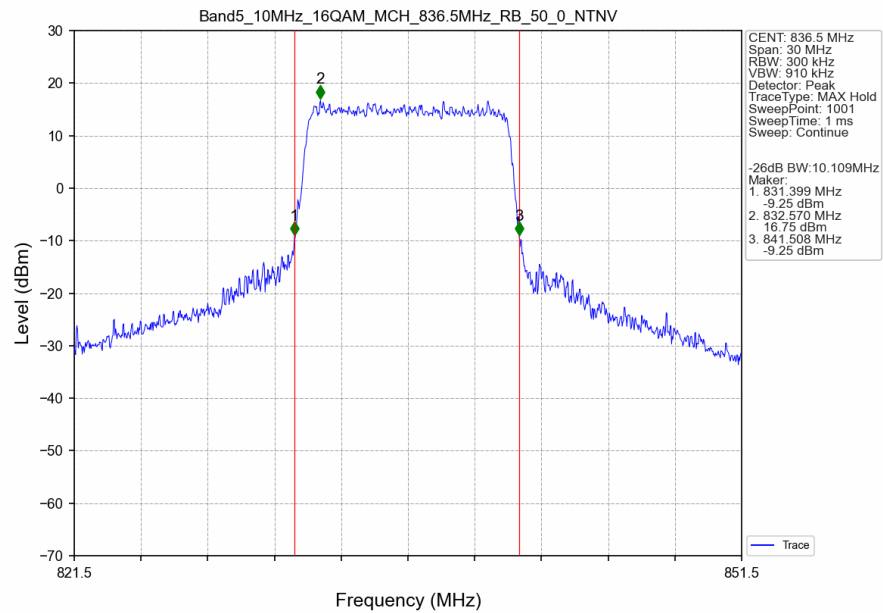
Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



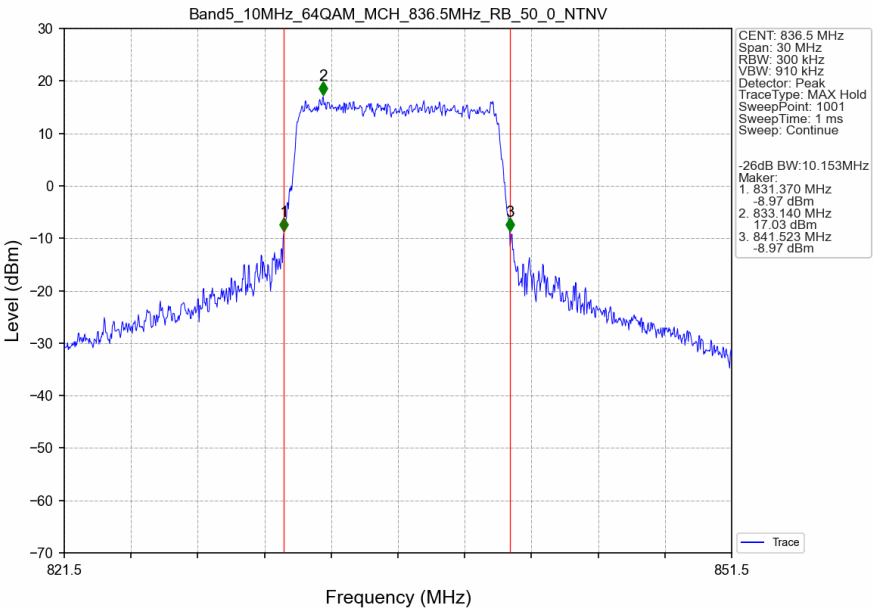
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV



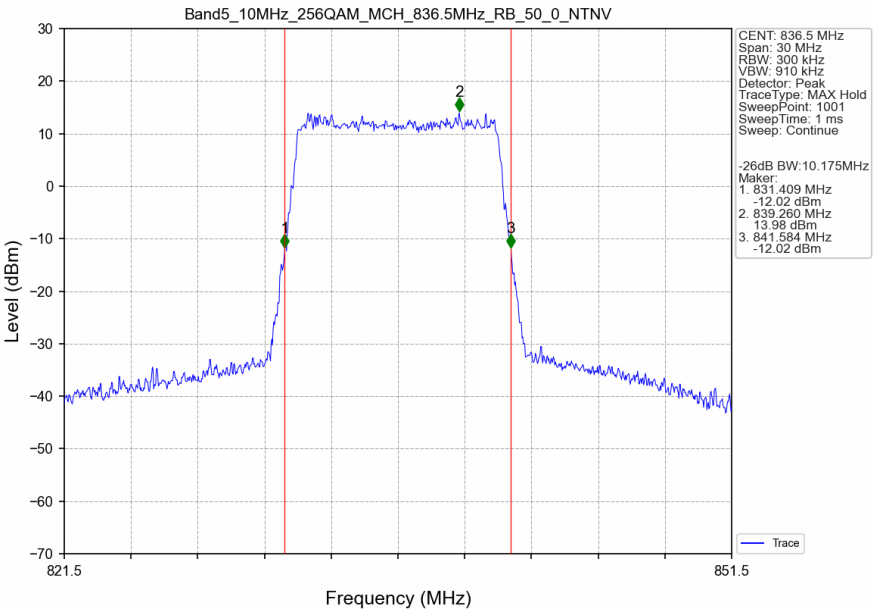
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTV



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



Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTN



4. Peak-Average Ratio

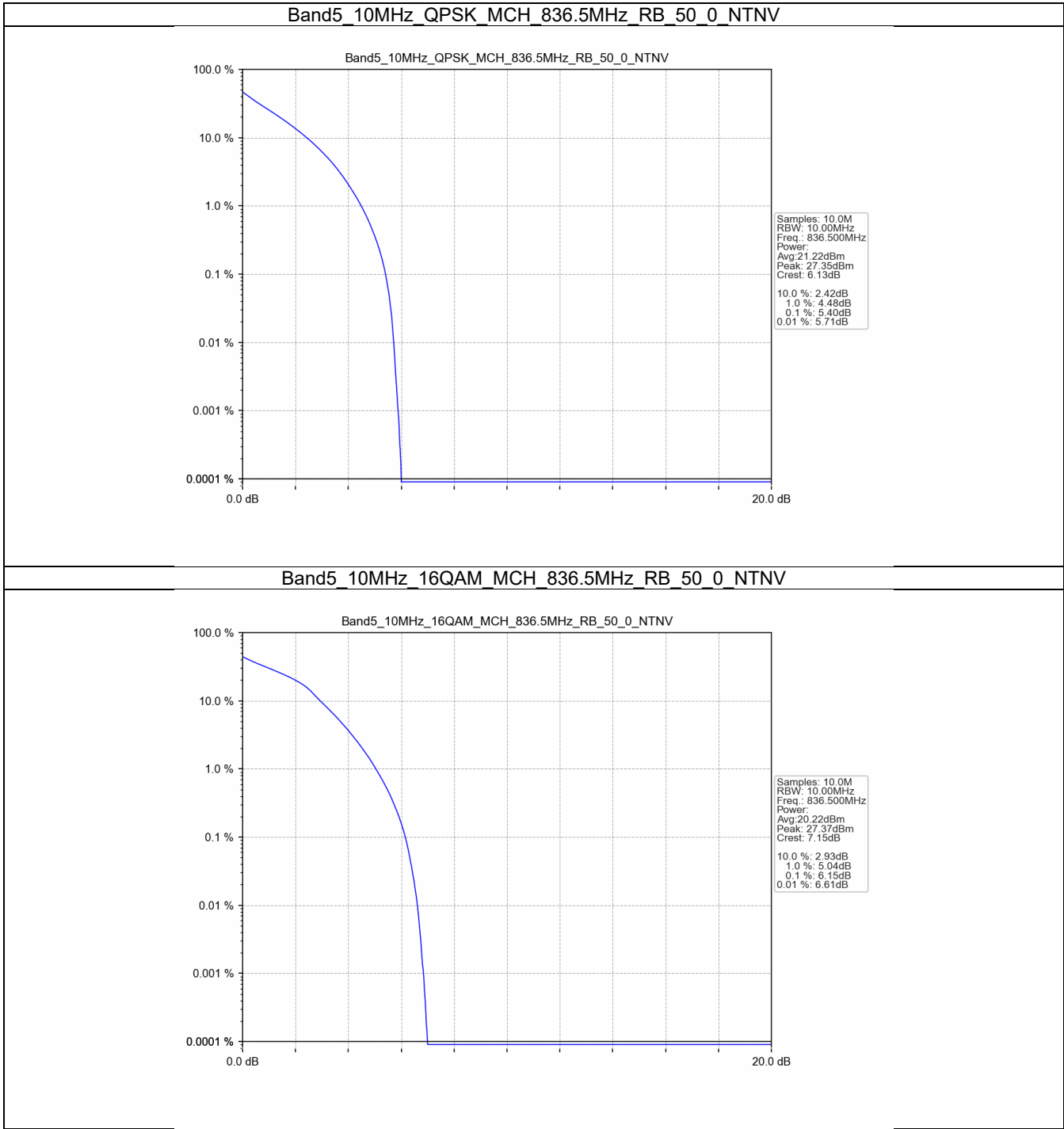
4.1 Test Result

4.1.1 B5_10MHz

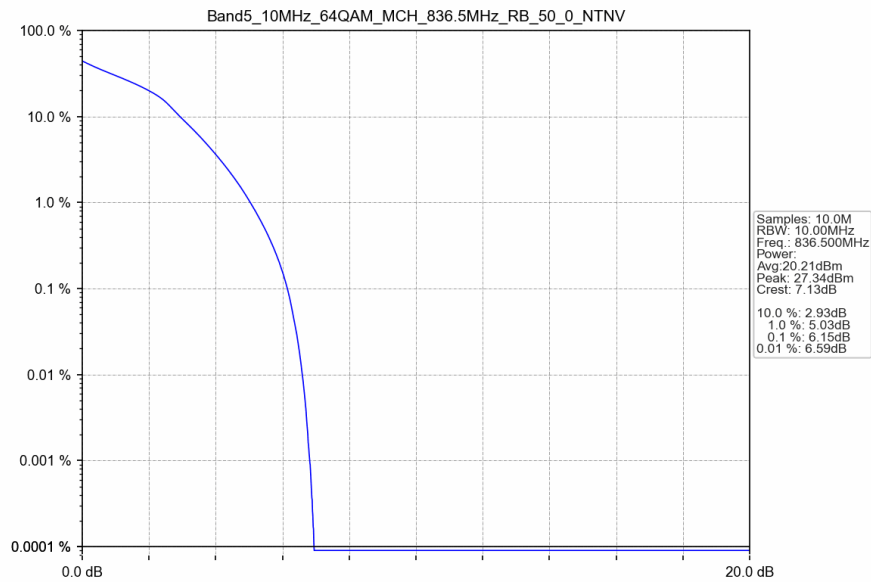
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.40	<=13	Pass
16QAM	836.5	50	0	6.15	<=13	Pass
64QAM	836.5	50	0	6.15	<=13	Pass
256QAM	836.5	50	0	6.73	<=13	Pass

4.2 Test Graph

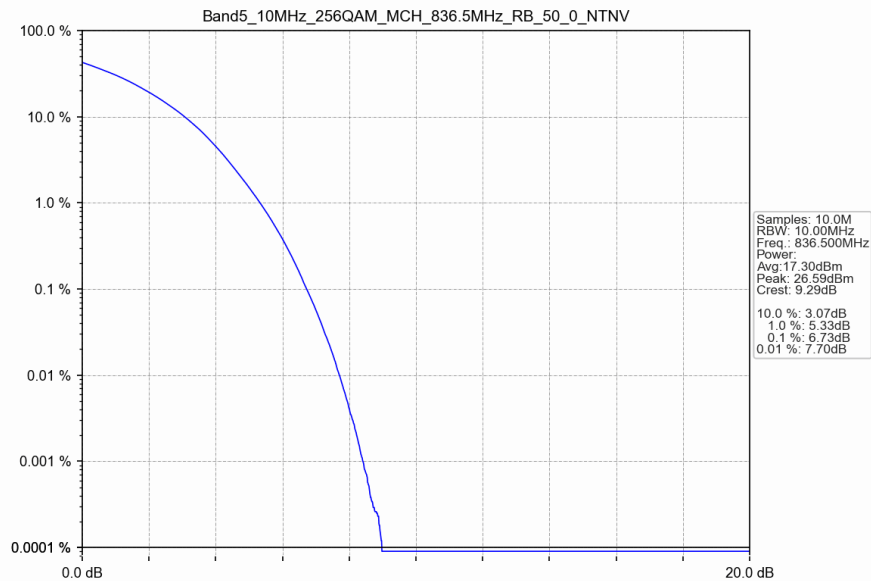
4.2.1 B5_10MHz



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



Band5 10MHz 256QAM MCH 836.5MHz RB 50 0 NTN



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
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

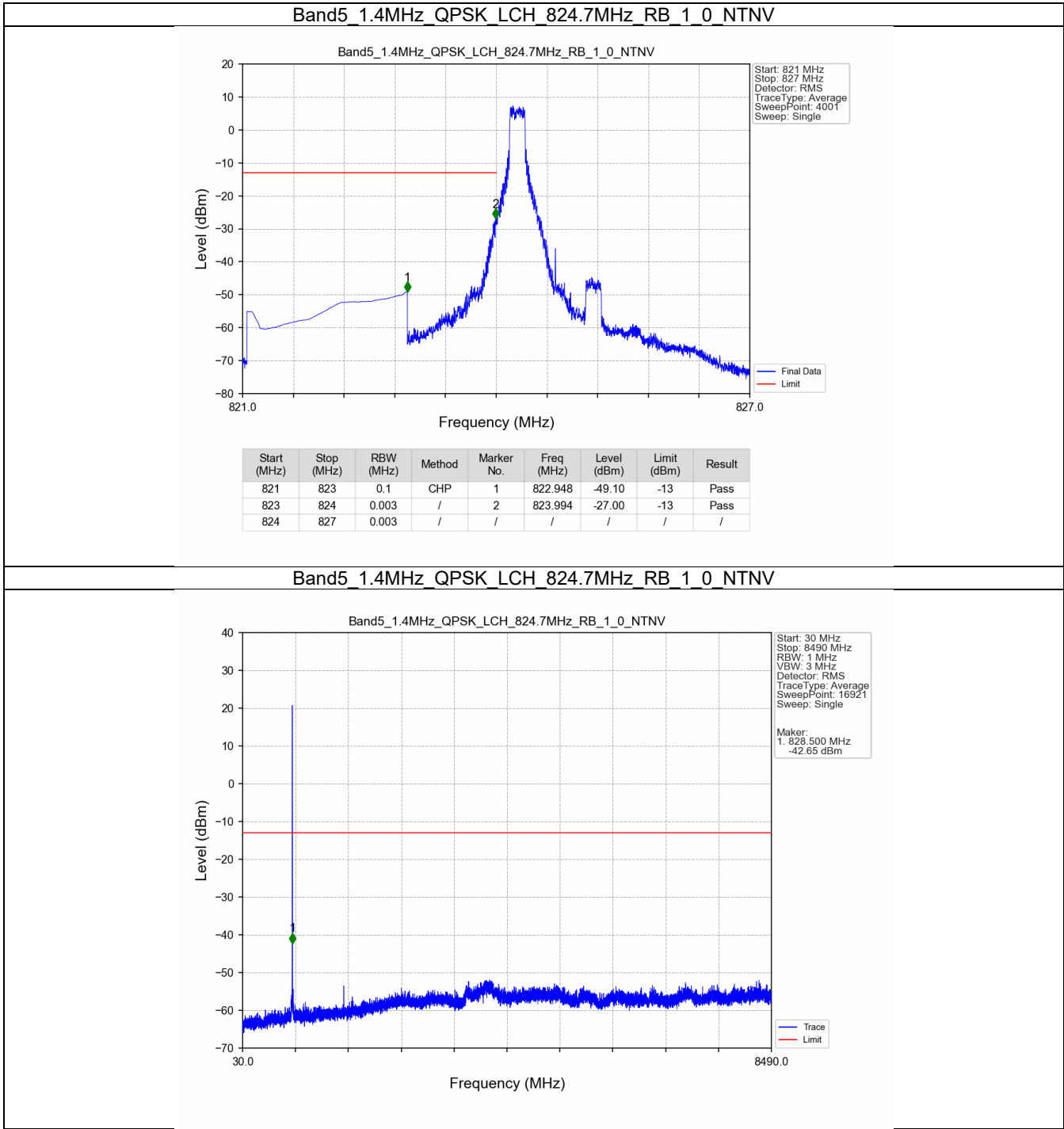
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

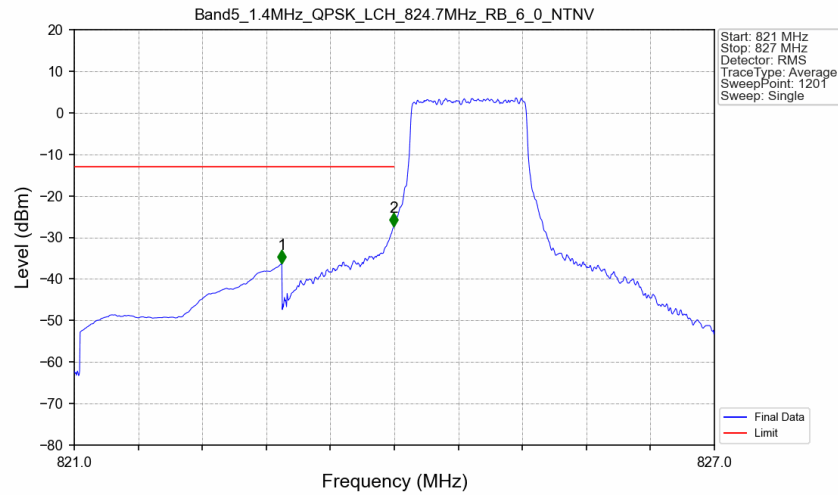
Band: 5 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B5_1.4MHz

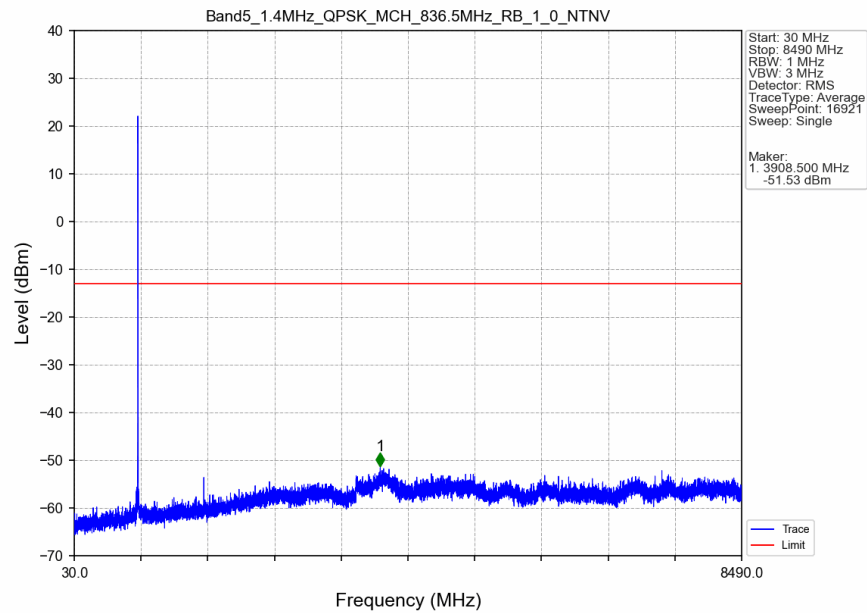


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN

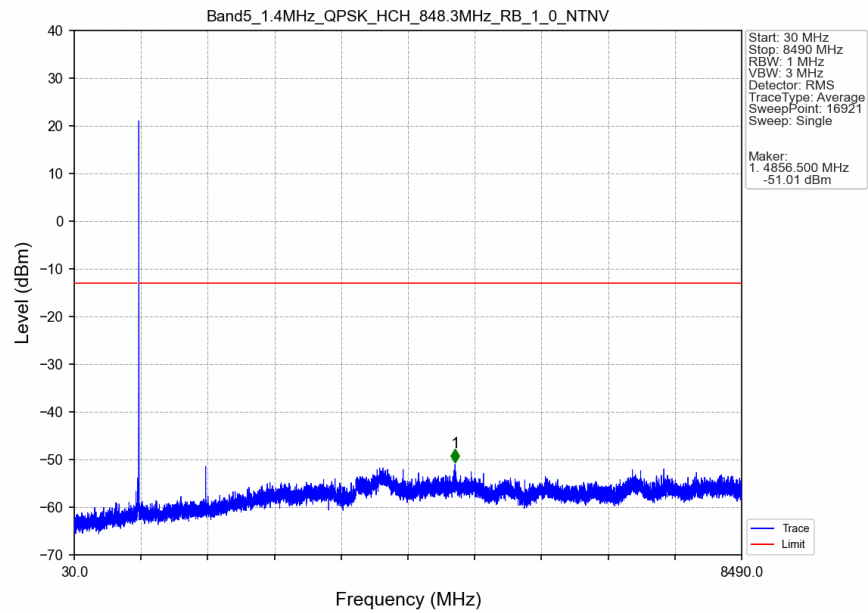


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-36.22	-13	Pass
823	824	0.014	CHP	2	823.995	-27.23	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

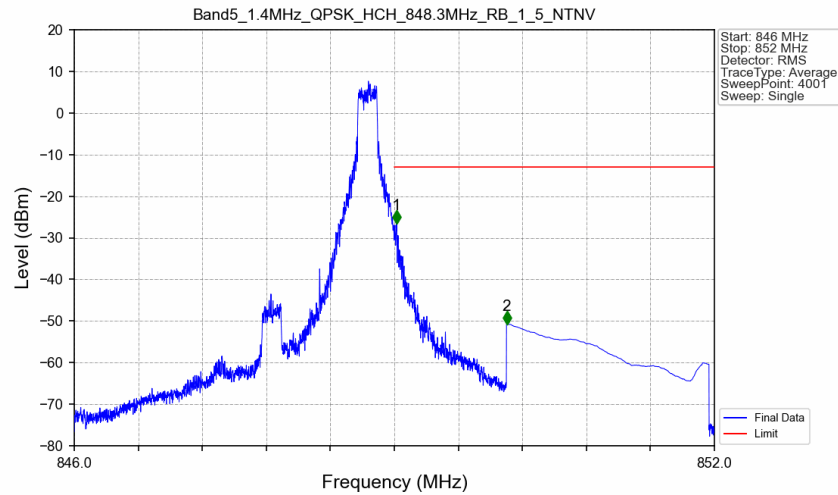
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

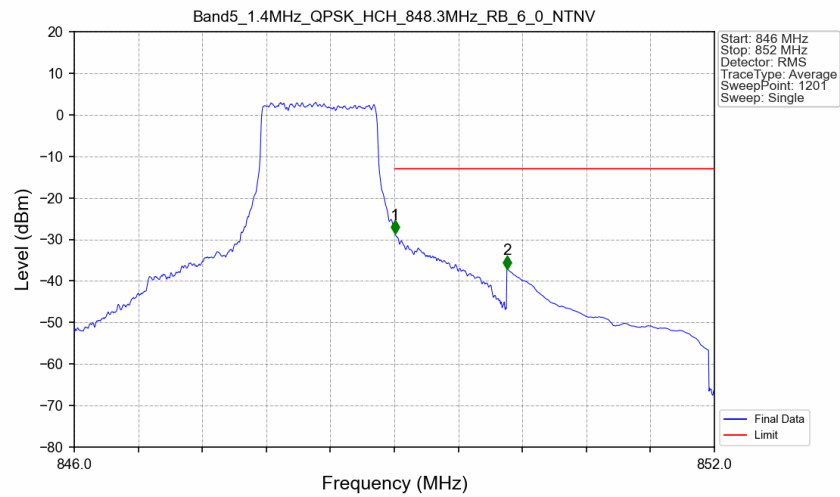


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



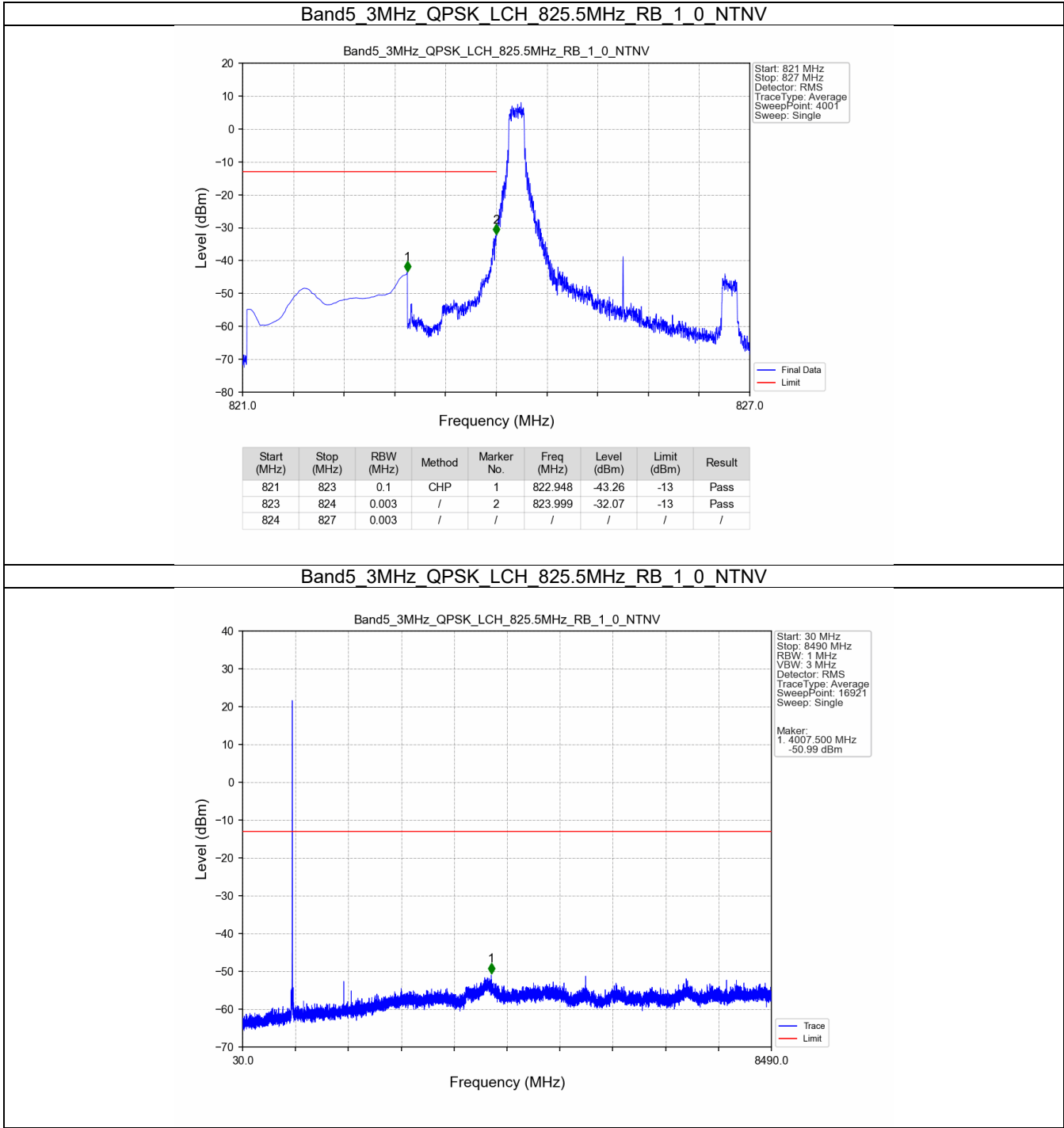
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.021	-26.60	-13	Pass
850	852	0.1	CHP	2	850.054	-50.76	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

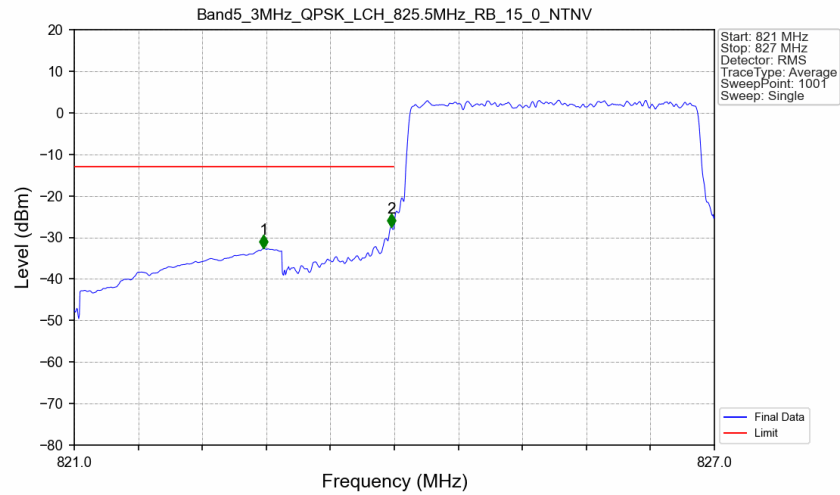


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.005	-28.54	-13	Pass
850	852	0.1	CHP	2	850.055	-37.05	-13	Pass

5.2.2 B5_3MHz

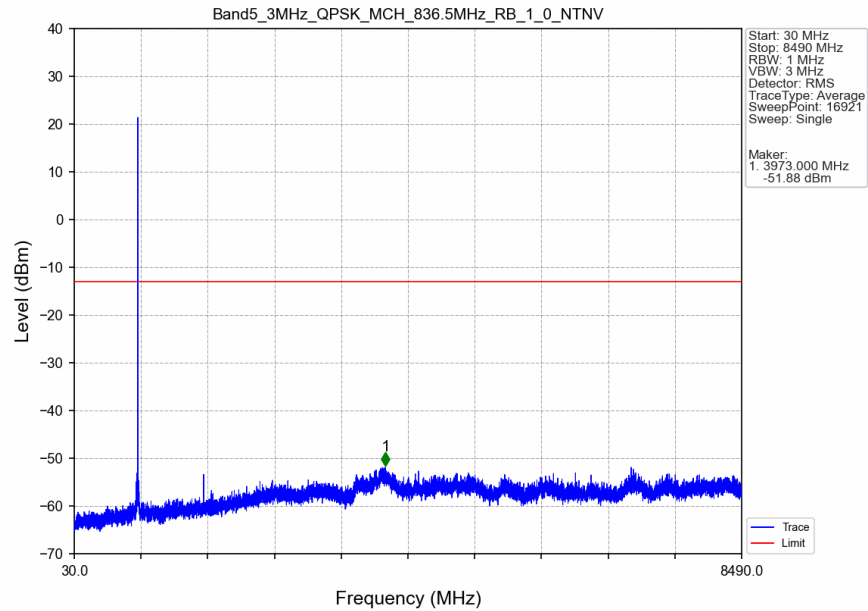


Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV

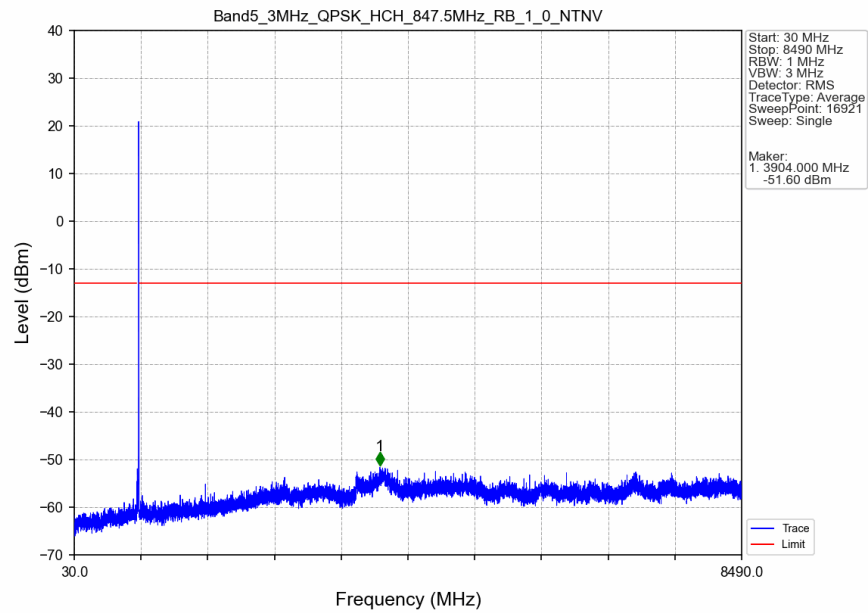


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.776	-32.67	-13	Pass
823	824	0.031	CHP	2	823.970	-27.45	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

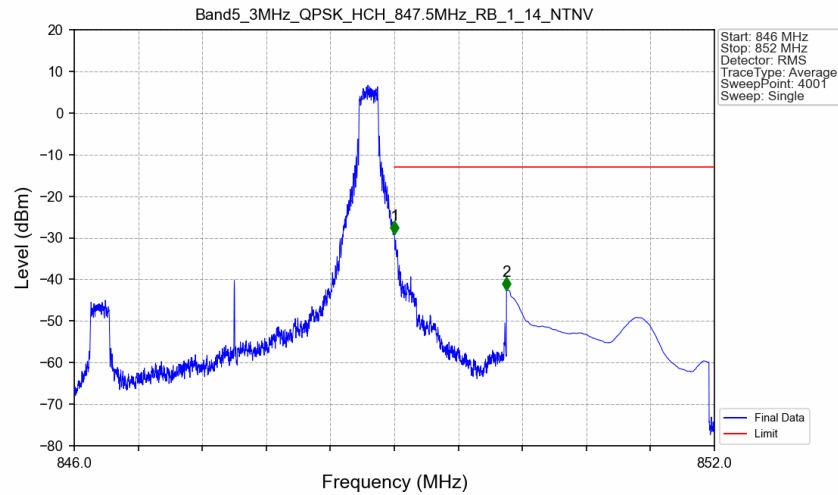
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

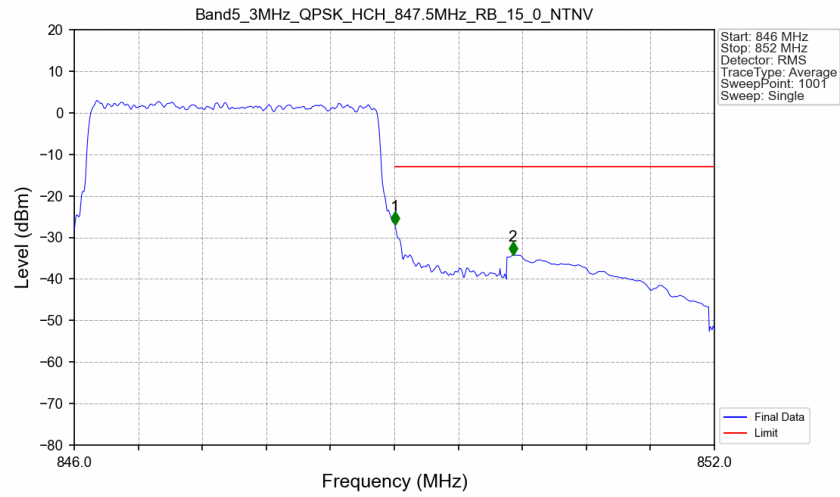


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



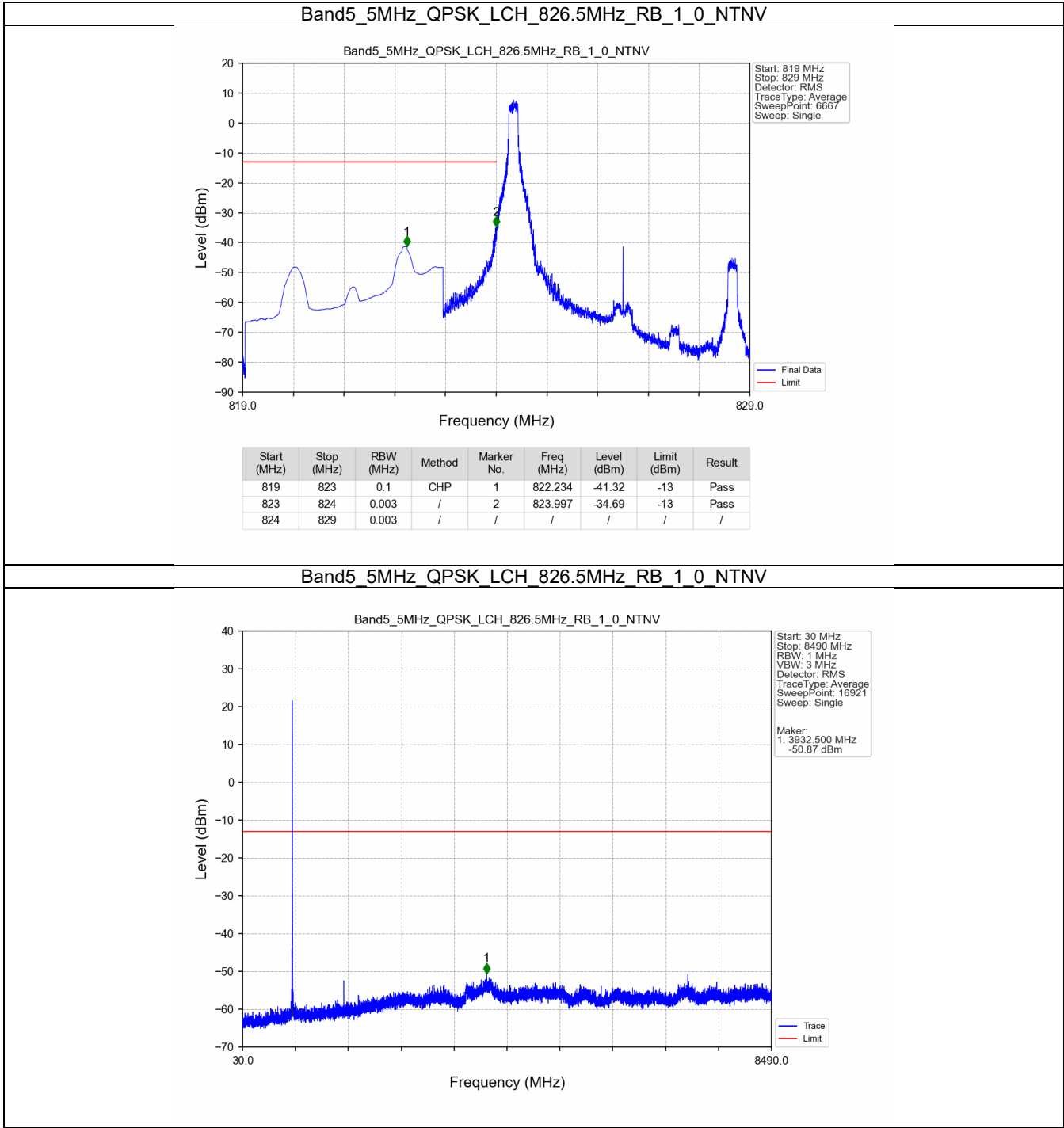
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-29.15	-13	Pass
850	852	0.1	CHP	2	850.052	-42.60	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

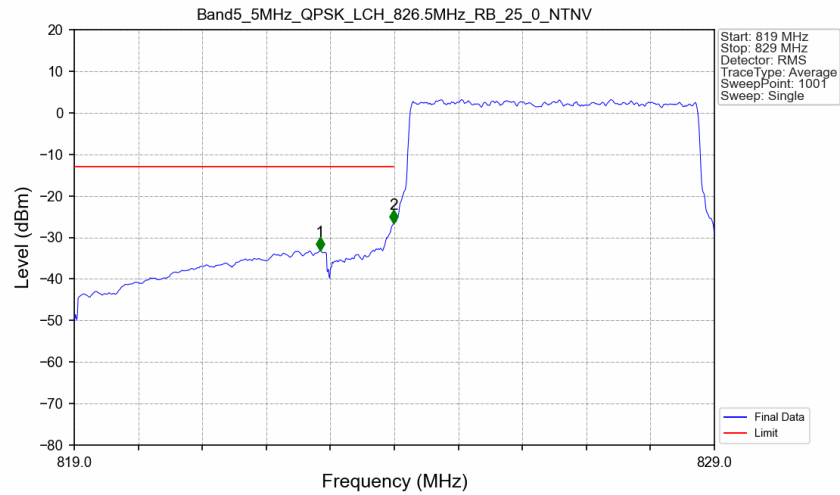


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-27.01	-13	Pass
850	852	0.1	CHP	2	850.110	-34.26	-13	Pass

5.2.3 B5_5MHz

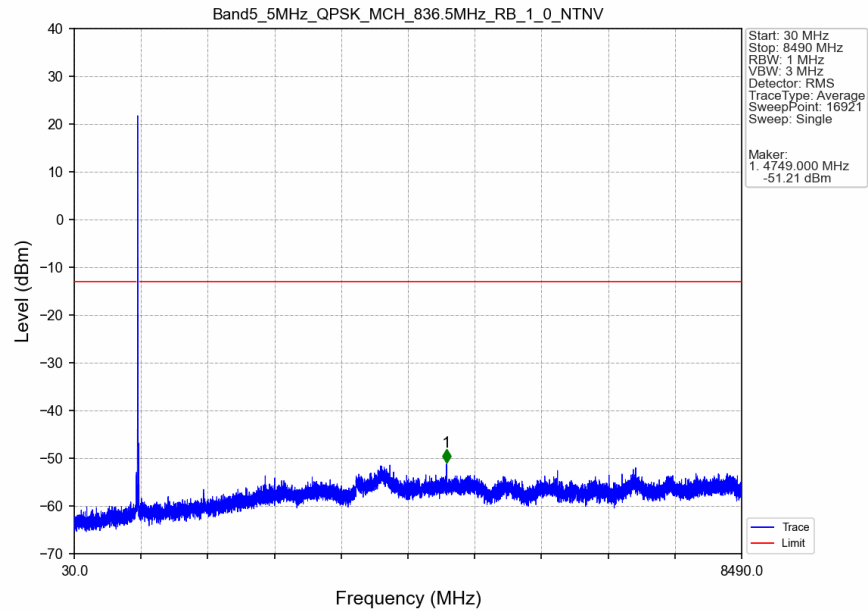


Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN

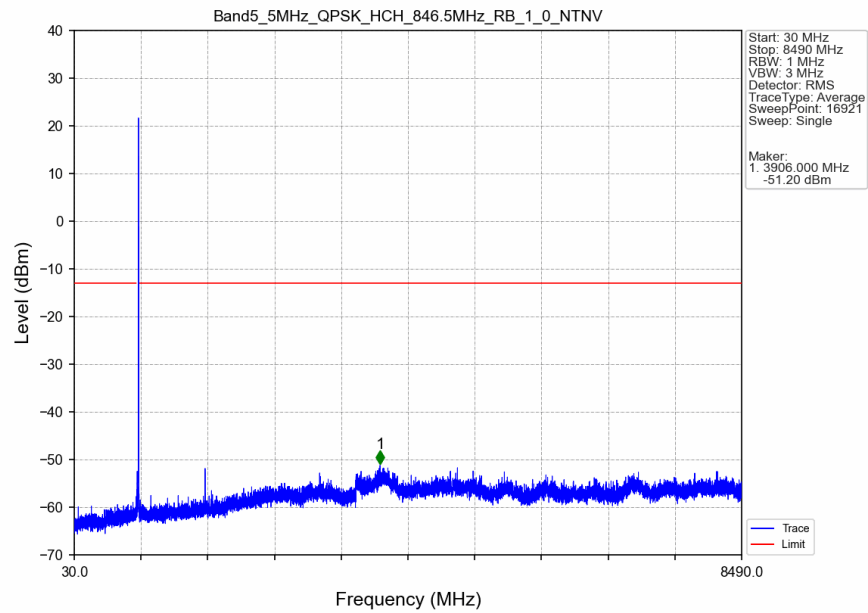


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.840	-33.13	-13	Pass
823	824	0.052	CHP	2	823.990	-26.55	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

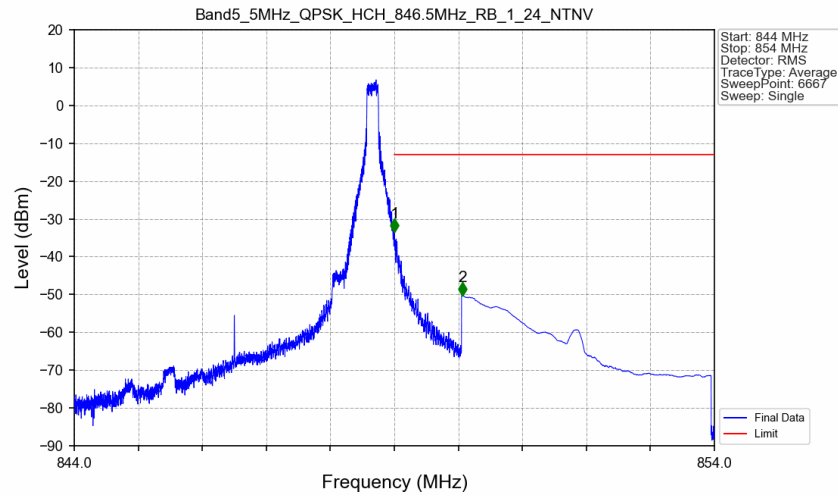
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

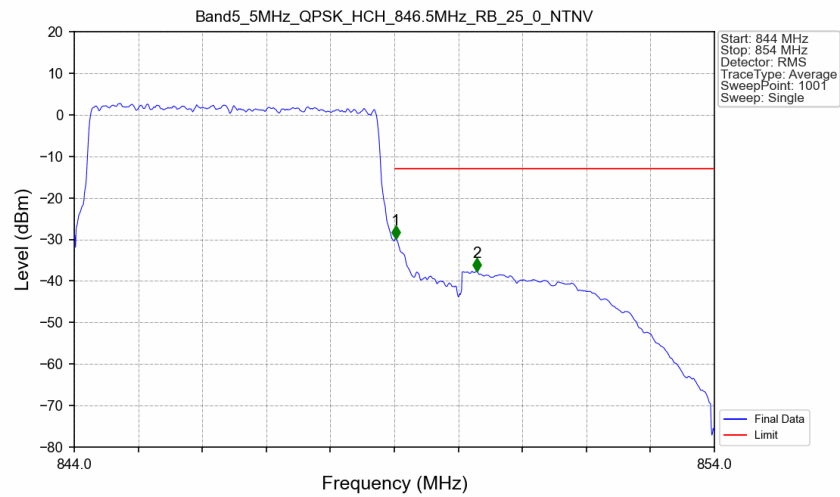


Band5_5MHz QPSK HCH 846.5MHz RB 1 24 NTN



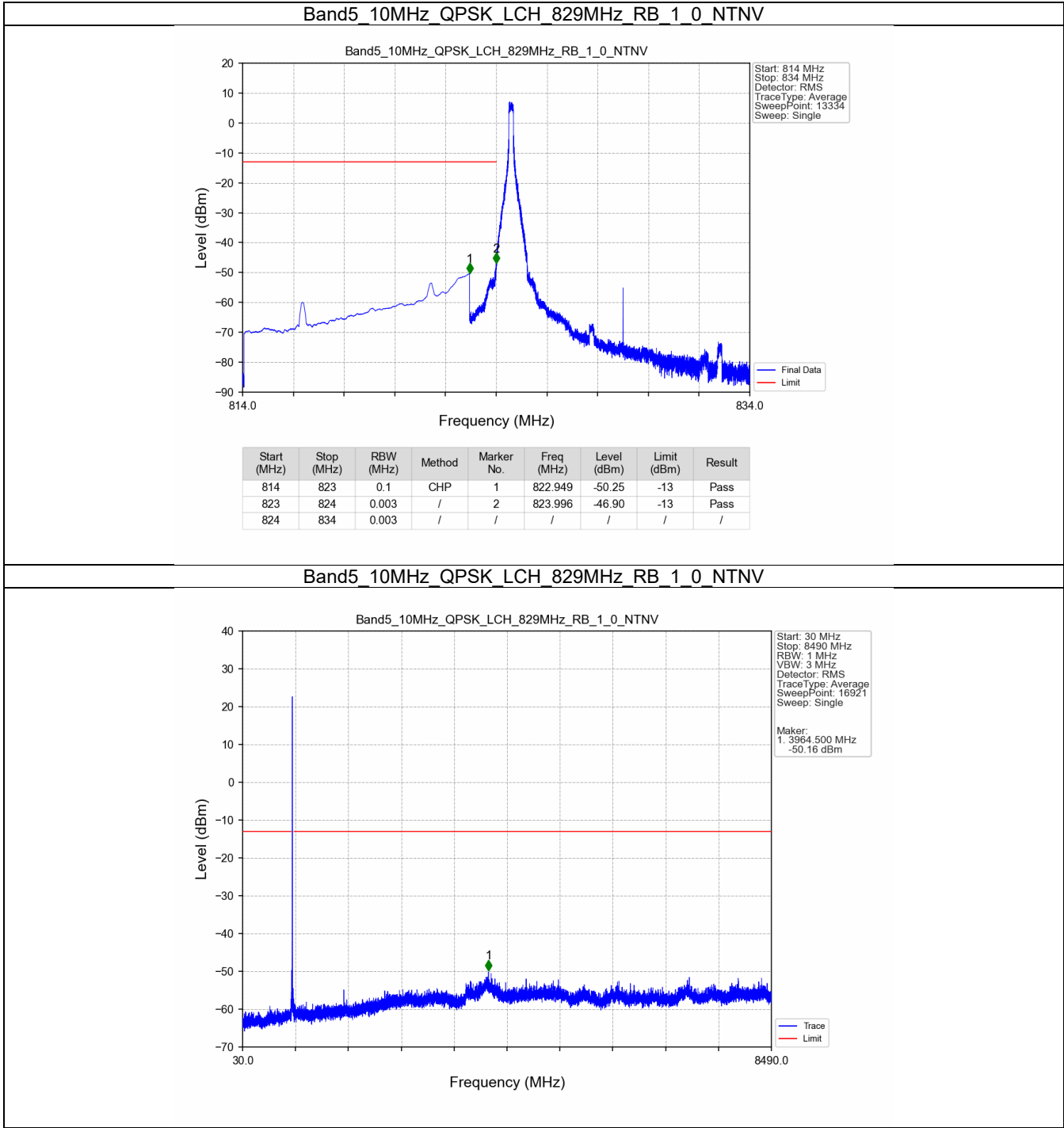
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-33.41	-13	Pass
850	854	0.1	CHP	2	850.064	-50.24	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

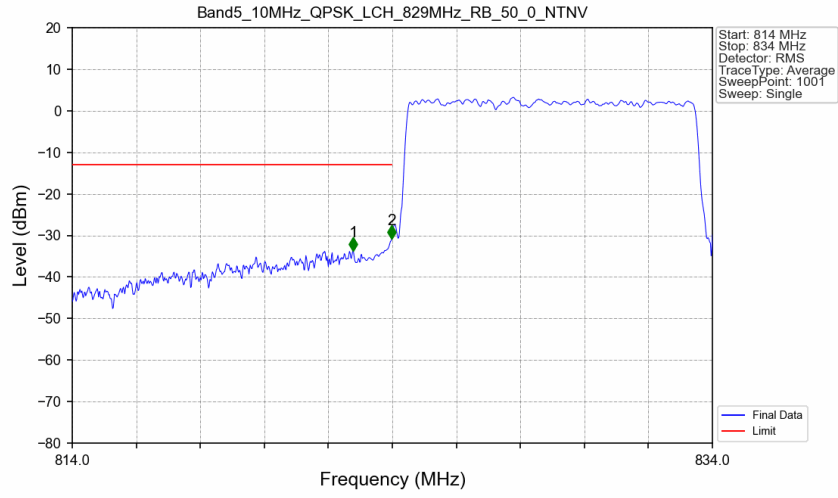


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.020	-29.84	-13	Pass
850	854	0.1	CHP	2	850.290	-37.62	-13	Pass

5.2.4 B5_10MHz

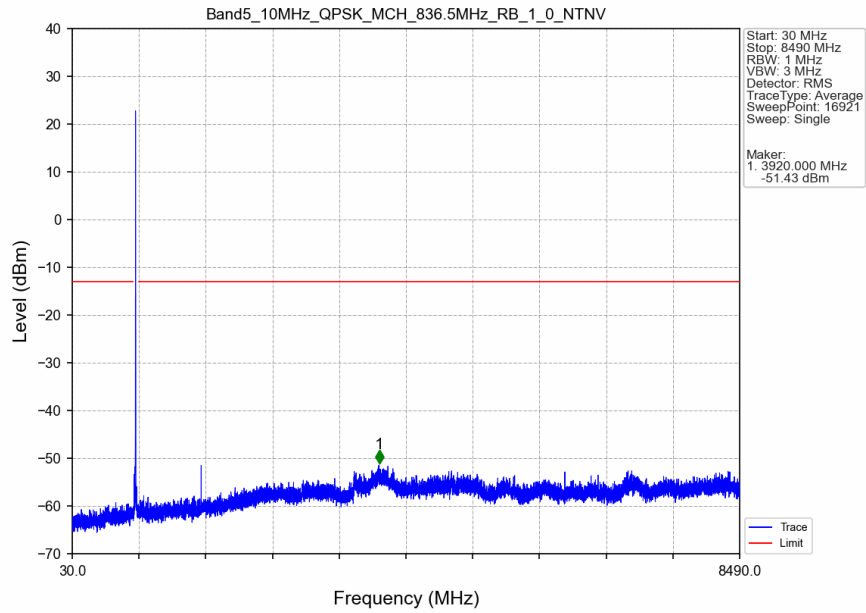


Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN

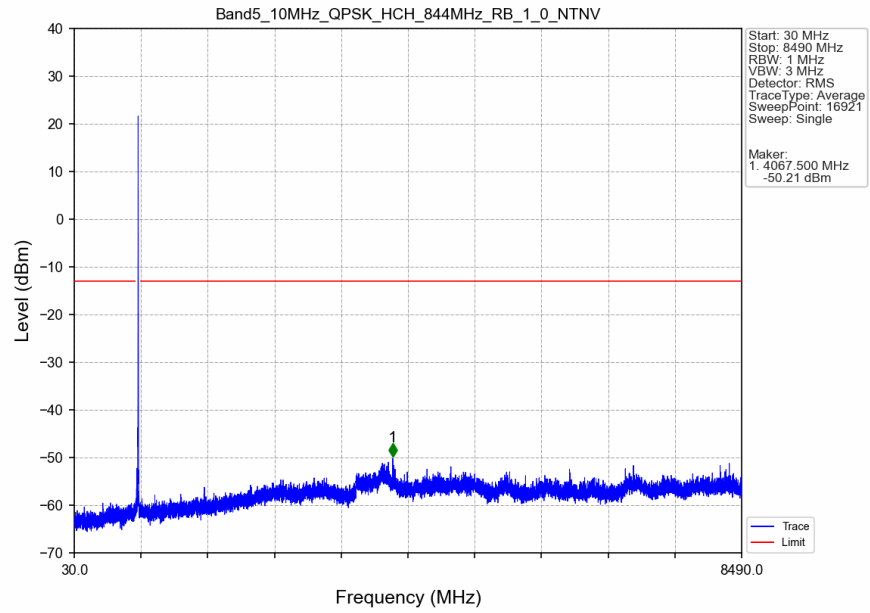


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.780	-33.61	-13	Pass
823	824	0.101	CHP	2	823.980	-30.81	-13	Pass
824	834	0.101	CHP	/	/	/	/	/

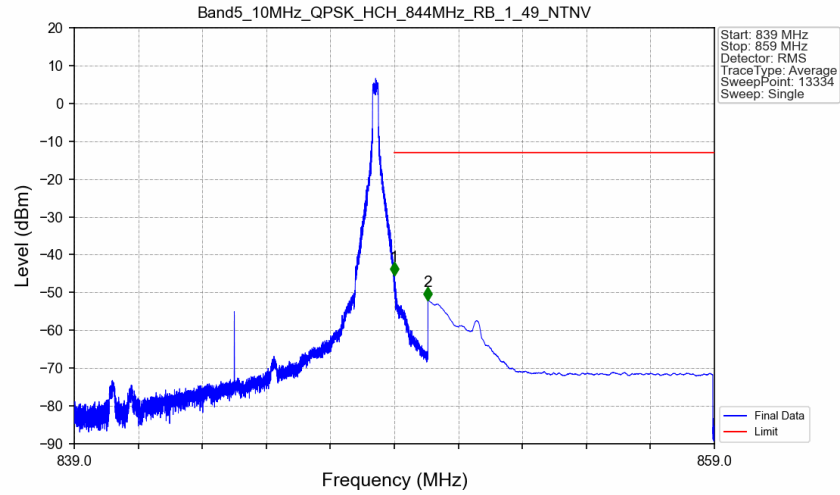
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

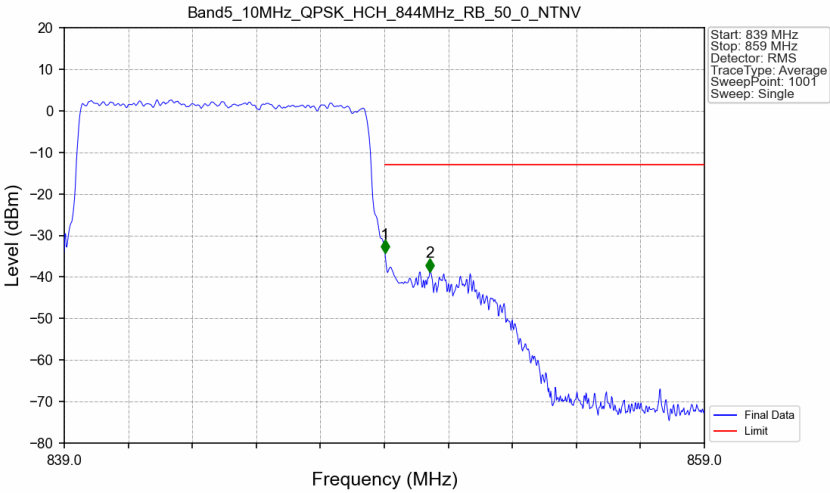


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



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	-45.39	-13	Pass
850	859	0.1	CHP	2	850.051	-51.98	-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	0.101	CHP	/	/	/	/	/
849	850	0.101	CHP	1	849.020	-34.19	-13	Pass
850	859	0.1	/	2	850.420	-38.69	-13	Pass