

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	21.62	-2.37	17.10	<=38.45	Pass
			2	21.53	-2.37	17.01	<=38.45	Pass
			5	21.39	-2.37	16.87	<=38.45	Pass
		3	0	21.40	-2.37	16.88	<=38.45	Pass
			2	21.58	-2.37	17.06	<=38.45	Pass
			3	21.63	-2.37	17.11	<=38.45	Pass
		6	0	20.70	-2.37	16.18	<=38.45	Pass
	836.5	1	0	21.61	-2.37	17.09	<=38.45	Pass
			2	21.57	-2.37	17.05	<=38.45	Pass
			5	21.69	-2.37	17.17	<=38.45	Pass
		3	0	21.63	-2.37	17.11	<=38.45	Pass
			2	21.52	-2.37	17.00	<=38.45	Pass
			3	21.54	-2.37	17.02	<=38.45	Pass
		6	0	20.65	-2.37	16.13	<=38.45	Pass
	848.3	1	0	21.28	-2.37	16.76	<=38.45	Pass
			2	21.40	-2.37	16.88	<=38.45	Pass
			5	21.49	-2.37	16.97	<=38.45	Pass
		3	0	21.54	-2.37	17.02	<=38.45	Pass
			2	21.40	-2.37	16.88	<=38.45	Pass
			3	21.46	-2.37	16.94	<=38.45	Pass
		6	0	20.62	-2.37	16.10	<=38.45	Pass
16QAM	824.7	1	0	20.76	-2.37	16.24	<=38.45	Pass
			2	20.85	-2.37	16.33	<=38.45	Pass
			5	20.94	-2.37	16.42	<=38.45	Pass
		3	0	20.53	-2.37	16.01	<=38.45	Pass
			2	20.55	-2.37	16.03	<=38.45	Pass
			3	20.58	-2.37	16.06	<=38.45	Pass
		6	0	19.81	-2.37	15.29	<=38.45	Pass
	836.5	1	0	21.03	-2.37	16.51	<=38.45	Pass
			2	20.87	-2.37	16.35	<=38.45	Pass
			5	20.87	-2.37	16.35	<=38.45	Pass
		3	0	20.61	-2.37	16.09	<=38.45	Pass
			2	20.58	-2.37	16.06	<=38.45	Pass
			3	20.53	-2.37	16.01	<=38.45	Pass
		6	0	19.77	-2.37	15.25	<=38.45	Pass
	848.3	1	0	20.59	-2.37	16.07	<=38.45	Pass
			2	20.57	-2.37	16.05	<=38.45	Pass
			5	20.70	-2.37	16.18	<=38.45	Pass
		3	0	20.59	-2.37	16.07	<=38.45	Pass
			2	20.57	-2.37	16.05	<=38.45	Pass
			3	20.55	-2.37	16.03	<=38.45	Pass
		6	0	19.68	-2.37	15.16	<=38.45	Pass
64QAM	824.7	1	0	19.93	-2.37	15.41	<=38.45	Pass
			2	19.75	-2.37	15.23	<=38.45	Pass
			5	19.75	-2.37	15.23	<=38.45	Pass
		3	0	19.75	-2.37	15.23	<=38.45	Pass
			2	19.81	-2.37	15.29	<=38.45	Pass
			3	19.80	-2.37	15.28	<=38.45	Pass
		6	0	18.66	-2.37	14.14	<=38.45	Pass

	836.5	1	0	19.95	-2.37	15.43	<=38.45	Pass
			2	19.85	-2.37	15.33	<=38.45	Pass
			5	19.51	-2.37	14.99	<=38.45	Pass
		3	0	19.77	-2.37	15.25	<=38.45	Pass
			2	19.75	-2.37	15.23	<=38.45	Pass
			3	19.85	-2.37	15.33	<=38.45	Pass
		6	0	18.65	-2.37	14.13	<=38.45	Pass
	848.3	1	0	19.74	-2.37	15.22	<=38.45	Pass
			2	19.54	-2.37	15.02	<=38.45	Pass
			5	19.57	-2.37	15.05	<=38.45	Pass
		3	0	19.74	-2.37	15.22	<=38.45	Pass
			2	19.69	-2.37	15.17	<=38.45	Pass
			3	19.65	-2.37	15.13	<=38.45	Pass
		6	0	18.61	-2.37	14.09	<=38.45	Pass
256QAM	824.7	1	0	16.68	-2.37	12.16	<=38.45	Pass
			2	16.62	-2.37	12.10	<=38.45	Pass
			5	16.70	-2.37	12.18	<=38.45	Pass
		3	0	16.69	-2.37	12.17	<=38.45	Pass
			2	16.66	-2.37	12.14	<=38.45	Pass
			3	16.72	-2.37	12.20	<=38.45	Pass
		6	0	16.73	-2.37	12.21	<=38.45	Pass
	836.5	1	0	16.83	-2.37	12.31	<=38.45	Pass
			2	16.70	-2.37	12.18	<=38.45	Pass
			5	16.81	-2.37	12.29	<=38.45	Pass
		3	0	16.72	-2.37	12.20	<=38.45	Pass
			2	16.73	-2.37	12.21	<=38.45	Pass
			3	16.69	-2.37	12.17	<=38.45	Pass
		6	0	16.69	-2.37	12.17	<=38.45	Pass
	848.3	1	0	16.63	-2.37	12.11	<=38.45	Pass
			2	16.70	-2.37	12.18	<=38.45	Pass
			5	16.65	-2.37	12.13	<=38.45	Pass
		3	0	16.65	-2.37	12.13	<=38.45	Pass
			2	16.65	-2.37	12.13	<=38.45	Pass
			3	16.68	-2.37	12.16	<=38.45	Pass
		6	0	16.53	-2.37	12.01	<=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	21.63	-2.37	17.11	<=38.45	Pass
			7	21.57	-2.37	17.05	<=38.45	Pass
			14	21.52	-2.37	17.00	<=38.45	Pass
		8	0	20.70	-2.37	16.18	<=38.45	Pass
			4	20.70	-2.37	16.18	<=38.45	Pass
			7	20.68	-2.37	16.16	<=38.45	Pass
		15	0	20.72	-2.37	16.20	<=38.45	Pass
	836.5	1	0	21.65	-2.37	17.13	<=38.45	Pass
			7	21.66	-2.37	17.14	<=38.45	Pass
			14	21.51	-2.37	16.99	<=38.45	Pass
		8	0	20.69	-2.37	16.17	<=38.45	Pass
			4	20.68	-2.37	16.16	<=38.45	Pass
			7	20.66	-2.37	16.14	<=38.45	Pass
		15	0	20.70	-2.37	16.18	<=38.45	Pass
	847.5	1	0	21.56	-2.37	17.04	<=38.45	Pass

		8	7	21.29	-2.37	16.77	<=38.45	Pass
			14	21.37	-2.37	16.85	<=38.45	Pass
			0	20.67	-2.37	16.15	<=38.45	Pass
			4	20.65	-2.37	16.13	<=38.45	Pass
			7	20.62	-2.37	16.10	<=38.45	Pass
		15	0	20.62	-2.37	16.10	<=38.45	Pass
16QAM	825.5	1	0	20.90	-2.37	16.38	<=38.45	Pass
			7	21.05	-2.37	16.53	<=38.45	Pass
			14	20.76	-2.37	16.24	<=38.45	Pass
		8	0	19.77	-2.37	15.25	<=38.45	Pass
			4	19.77	-2.37	15.25	<=38.45	Pass
			7	19.71	-2.37	15.19	<=38.45	Pass
		15	0	19.70	-2.37	15.18	<=38.45	Pass
	836.5	1	0	20.77	-2.37	16.25	<=38.45	Pass
			7	20.72	-2.37	16.20	<=38.45	Pass
			14	20.86	-2.37	16.34	<=38.45	Pass
		8	0	19.68	-2.37	15.16	<=38.45	Pass
			4	19.75	-2.37	15.23	<=38.45	Pass
			7	19.61	-2.37	15.09	<=38.45	Pass
		15	0	19.70	-2.37	15.18	<=38.45	Pass
	847.5	1	0	20.88	-2.37	16.36	<=38.45	Pass
			7	20.65	-2.37	16.13	<=38.45	Pass
			14	20.66	-2.37	16.14	<=38.45	Pass
		8	0	19.73	-2.37	15.21	<=38.45	Pass
			4	19.67	-2.37	15.15	<=38.45	Pass
			7	19.61	-2.37	15.09	<=38.45	Pass
		15	0	19.59	-2.37	15.07	<=38.45	Pass
64QAM	825.5	1	0	19.65	-2.37	15.13	<=38.45	Pass
			7	19.74	-2.37	15.22	<=38.45	Pass
			14	19.67	-2.37	15.15	<=38.45	Pass
		8	0	18.79	-2.37	14.27	<=38.45	Pass
			4	18.75	-2.37	14.23	<=38.45	Pass
			7	18.68	-2.37	14.16	<=38.45	Pass
		15	0	18.71	-2.37	14.19	<=38.45	Pass
	836.5	1	0	19.75	-2.37	15.23	<=38.45	Pass
			7	19.89	-2.37	15.37	<=38.45	Pass
			14	19.77	-2.37	15.25	<=38.45	Pass
		8	0	18.77	-2.37	14.25	<=38.45	Pass
			4	18.75	-2.37	14.23	<=38.45	Pass
			7	18.73	-2.37	14.21	<=38.45	Pass
		15	0	18.69	-2.37	14.17	<=38.45	Pass
	847.5	1	0	19.67	-2.37	15.15	<=38.45	Pass
			7	19.70	-2.37	15.18	<=38.45	Pass
			14	19.50	-2.37	14.98	<=38.45	Pass
		8	0	18.68	-2.37	14.16	<=38.45	Pass
			4	18.64	-2.37	14.12	<=38.45	Pass
			7	18.64	-2.37	14.12	<=38.45	Pass
		15	0	18.52	-2.37	14.00	<=38.45	Pass
256QAM	825.5	1	0	16.71	-2.37	12.19	<=38.45	Pass
			7	16.70	-2.37	12.18	<=38.45	Pass
			14	16.66	-2.37	12.14	<=38.45	Pass
		8	0	16.69	-2.37	12.17	<=38.45	Pass
			4	16.68	-2.37	12.16	<=38.45	Pass
			7	16.62	-2.37	12.10	<=38.45	Pass
		15	0	16.65	-2.37	12.13	<=38.45	Pass
	836.5	1	0	16.77	-2.37	12.25	<=38.45	Pass
			7	16.66	-2.37	12.14	<=38.45	Pass
			14	16.58	-2.37	12.06	<=38.45	Pass
		8	0	16.72	-2.37	12.20	<=38.45	Pass

			4	16.49	-2.37	11.97	<=38.45	Pass
			7	16.62	-2.37	12.10	<=38.45	Pass
		15	0	16.68	-2.37	12.16	<=38.45	Pass
	847.5	1	0	16.63	-2.37	12.11	<=38.45	Pass
			7	16.58	-2.37	12.06	<=38.45	Pass
			14	16.43	-2.37	11.91	<=38.45	Pass
		8	0	16.42	-2.37	11.90	<=38.45	Pass
			4	16.60	-2.37	12.08	<=38.45	Pass
			7	16.52	-2.37	12.00	<=38.45	Pass
		15	0	16.59	-2.37	12.07	<=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	21.57	-2.37	17.05	<=38.45	Pass
			13	21.44	-2.37	16.92	<=38.45	Pass
			24	21.58	-2.37	17.06	<=38.45	Pass
		12	0	20.77	-2.37	16.25	<=38.45	Pass
			6	20.72	-2.37	16.20	<=38.45	Pass
			13	20.74	-2.37	16.22	<=38.45	Pass
		25	0	20.75	-2.37	16.23	<=38.45	Pass
	836.5	1	0	21.69	-2.37	17.17	<=38.45	Pass
			13	21.66	-2.37	17.14	<=38.45	Pass
			24	21.67	-2.37	17.15	<=38.45	Pass
		12	0	20.76	-2.37	16.24	<=38.45	Pass
			6	20.74	-2.37	16.22	<=38.45	Pass
			13	20.71	-2.37	16.19	<=38.45	Pass
		25	0	20.75	-2.37	16.23	<=38.45	Pass
	846.5	1	0	21.66	-2.37	17.14	<=38.45	Pass
			13	21.46	-2.37	16.94	<=38.45	Pass
			24	21.53	-2.37	17.01	<=38.45	Pass
		12	0	20.71	-2.37	16.19	<=38.45	Pass
			6	20.69	-2.37	16.17	<=38.45	Pass
			13	20.64	-2.37	16.12	<=38.45	Pass
		25	0	20.73	-2.37	16.21	<=38.45	Pass
16QAM	826.5	1	0	21.09	-2.37	16.57	<=38.45	Pass
			13	20.81	-2.37	16.29	<=38.45	Pass
			24	20.92	-2.37	16.40	<=38.45	Pass
		12	0	19.82	-2.37	15.30	<=38.45	Pass
			6	19.77	-2.37	15.25	<=38.45	Pass
			13	19.70	-2.37	15.18	<=38.45	Pass
		25	0	19.73	-2.37	15.21	<=38.45	Pass
	836.5	1	0	21.05	-2.37	16.53	<=38.45	Pass
			13	21.08	-2.37	16.56	<=38.45	Pass
			24	21.06	-2.37	16.54	<=38.45	Pass
		12	0	19.66	-2.37	15.14	<=38.45	Pass
			6	19.68	-2.37	15.16	<=38.45	Pass
			13	19.52	-2.37	15.00	<=38.45	Pass
		25	0	19.72	-2.37	15.20	<=38.45	Pass
	846.5	1	0	21.01	-2.37	16.49	<=38.45	Pass
			13	20.78	-2.37	16.26	<=38.45	Pass
			24	20.42	-2.37	15.90	<=38.45	Pass
		12	0	19.72	-2.37	15.20	<=38.45	Pass
			6	19.67	-2.37	15.15	<=38.45	Pass

			13	19.66	-2.37	15.14	<=38.45	Pass	
		25	0	19.70	-2.37	15.18	<=38.45	Pass	
64QAM	826.5	1	0	19.93	-2.37	15.41	<=38.45	Pass	
			13	19.86	-2.37	15.34	<=38.45	Pass	
			24	19.77	-2.37	15.25	<=38.45	Pass	
			0	18.81	-2.37	14.29	<=38.45	Pass	
		12	6	18.81	-2.37	14.29	<=38.45	Pass	
			13	18.73	-2.37	14.21	<=38.45	Pass	
			25	0	18.72	-2.37	14.20	<=38.45	Pass
		836.5	1	0	19.92	-2.37	15.40	<=38.45	Pass
				13	19.81	-2.37	15.29	<=38.45	Pass
				24	19.41	-2.37	14.89	<=38.45	Pass
	12		0	18.76	-2.37	14.24	<=38.45	Pass	
			6	18.75	-2.37	14.23	<=38.45	Pass	
			13	18.76	-2.37	14.24	<=38.45	Pass	
	25		0	18.70	-2.37	14.18	<=38.45	Pass	
	846.5	1	0	19.71	-2.37	15.19	<=38.45	Pass	
			13	19.61	-2.37	15.09	<=38.45	Pass	
			24	19.57	-2.37	15.05	<=38.45	Pass	
		12	0	18.74	-2.37	14.22	<=38.45	Pass	
			6	18.72	-2.37	14.20	<=38.45	Pass	
			13	18.70	-2.37	14.18	<=38.45	Pass	
		25	0	18.67	-2.37	14.15	<=38.45	Pass	
	256QAM	826.5	1	0	16.80	-2.37	12.28	<=38.45	Pass
				13	16.78	-2.37	12.26	<=38.45	Pass
24				16.69	-2.37	12.17	<=38.45	Pass	
12			0	16.73	-2.37	12.21	<=38.45	Pass	
			6	16.65	-2.37	12.13	<=38.45	Pass	
			13	16.68	-2.37	12.16	<=38.45	Pass	
25			0	16.71	-2.37	12.19	<=38.45	Pass	
836.5		1	0	16.77	-2.37	12.25	<=38.45	Pass	
			13	16.82	-2.37	12.30	<=38.45	Pass	
			24	16.81	-2.37	12.29	<=38.45	Pass	
		12	0	16.72	-2.37	12.20	<=38.45	Pass	
			6	16.71	-2.37	12.19	<=38.45	Pass	
			13	16.70	-2.37	12.18	<=38.45	Pass	
		25	0	16.72	-2.37	12.20	<=38.45	Pass	
846.5		1	0	16.66	-2.37	12.14	<=38.45	Pass	
			13	16.57	-2.37	12.05	<=38.45	Pass	
			24	16.43	-2.37	11.91	<=38.45	Pass	
		12	0	16.69	-2.37	12.17	<=38.45	Pass	
			6	16.62	-2.37	12.10	<=38.45	Pass	
			13	16.62	-2.37	12.10	<=38.45	Pass	
	25	0	16.66	-2.37	12.14	<=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	21.72	-2.37	17.20	<=38.45	Pass
			25	21.67	-2.37	17.15	<=38.45	Pass
			49	21.67	-2.37	17.15	<=38.45	Pass
		25	0	20.74	-2.37	16.22	<=38.45	Pass
			13	20.74	-2.37	16.22	<=38.45	Pass
			25	20.71	-2.37	16.19	<=38.45	Pass

		50	0	20.73	-2.37	16.21	<=38.45	Pass
	836.5	1	0	21.56	-2.37	17.04	<=38.45	Pass
			25	21.67	-2.37	17.15	<=38.45	Pass
			49	21.63	-2.37	17.11	<=38.45	Pass
		25	0	20.72	-2.37	16.20	<=38.45	Pass
			13	20.73	-2.37	16.21	<=38.45	Pass
			25	20.70	-2.37	16.18	<=38.45	Pass
	50	0	20.72	-2.37	16.20	<=38.45	Pass	
	844	1	0	21.59	-2.37	17.07	<=38.45	Pass
			25	21.66	-2.37	17.14	<=38.45	Pass
			49	21.58	-2.37	17.06	<=38.45	Pass
		25	0	20.74	-2.37	16.22	<=38.45	Pass
			13	20.71	-2.37	16.19	<=38.45	Pass
			25	20.68	-2.37	16.16	<=38.45	Pass
	50	0	20.69	-2.37	16.17	<=38.45	Pass	
16QAM	829	1	0	20.93	-2.37	16.41	<=38.45	Pass
			25	20.95	-2.37	16.43	<=38.45	Pass
			49	20.74	-2.37	16.22	<=38.45	Pass
		25	0	19.70	-2.37	15.18	<=38.45	Pass
			13	19.74	-2.37	15.22	<=38.45	Pass
			25	19.66	-2.37	15.14	<=38.45	Pass
	50	0	19.72	-2.37	15.20	<=38.45	Pass	
	836.5	1	0	20.72	-2.37	16.20	<=38.45	Pass
			25	20.84	-2.37	16.32	<=38.45	Pass
			49	20.60	-2.37	16.08	<=38.45	Pass
		25	0	19.70	-2.37	15.18	<=38.45	Pass
			13	19.67	-2.37	15.15	<=38.45	Pass
			25	19.59	-2.37	15.07	<=38.45	Pass
	50	0	19.72	-2.37	15.20	<=38.45	Pass	
	844	1	0	20.72	-2.37	16.20	<=38.45	Pass
			25	20.98	-2.37	16.46	<=38.45	Pass
			49	20.84	-2.37	16.32	<=38.45	Pass
		25	0	19.69	-2.37	15.17	<=38.45	Pass
			13	19.67	-2.37	15.15	<=38.45	Pass
			25	19.61	-2.37	15.09	<=38.45	Pass
	50	0	19.59	-2.37	15.07	<=38.45	Pass	
64QAM	829	1	0	19.82	-2.37	15.30	<=38.45	Pass
			25	19.85	-2.37	15.33	<=38.45	Pass
			49	19.84	-2.37	15.32	<=38.45	Pass
		25	0	18.71	-2.37	14.19	<=38.45	Pass
			13	18.70	-2.37	14.18	<=38.45	Pass
			25	18.65	-2.37	14.13	<=38.45	Pass
	50	0	18.74	-2.37	14.22	<=38.45	Pass	
	836.5	1	0	19.70	-2.37	15.18	<=38.45	Pass
			25	19.84	-2.37	15.32	<=38.45	Pass
			49	19.75	-2.37	15.23	<=38.45	Pass
		25	0	18.71	-2.37	14.19	<=38.45	Pass
			13	18.72	-2.37	14.20	<=38.45	Pass
			25	18.63	-2.37	14.11	<=38.45	Pass
	50	0	18.70	-2.37	14.18	<=38.45	Pass	
	844	1	0	19.71	-2.37	15.19	<=38.45	Pass
			25	19.83	-2.37	15.31	<=38.45	Pass
			49	19.78	-2.37	15.26	<=38.45	Pass
		25	0	18.64	-2.37	14.12	<=38.45	Pass
13			18.69	-2.37	14.17	<=38.45	Pass	
25			18.61	-2.37	14.09	<=38.45	Pass	
50	0	18.66	-2.37	14.14	<=38.45	Pass		
256QAM	829	1	0	16.73	-2.37	12.21	<=38.45	Pass
			25	16.65	-2.37	12.13	<=38.45	Pass

			49	16.72	-2.37	12.20	<=38.45	Pass
		25	0	16.68	-2.37	12.16	<=38.45	Pass
			13	16.67	-2.37	12.15	<=38.45	Pass
			25	16.69	-2.37	12.17	<=38.45	Pass
		50	0	16.68	-2.37	12.16	<=38.45	Pass
	836.5	1	0	16.69	-2.37	12.17	<=38.45	Pass
			25	16.75	-2.37	12.23	<=38.45	Pass
			49	16.76	-2.37	12.24	<=38.45	Pass
		25	0	16.65	-2.37	12.13	<=38.45	Pass
			13	16.69	-2.37	12.17	<=38.45	Pass
			25	16.67	-2.37	12.15	<=38.45	Pass
		50	0	16.66	-2.37	12.14	<=38.45	Pass
	844	1	0	16.76	-2.37	12.24	<=38.45	Pass
			25	16.80	-2.37	12.28	<=38.45	Pass
			49	16.69	-2.37	12.17	<=38.45	Pass
		25	0	16.70	-2.37	12.18	<=38.45	Pass
			13	16.68	-2.37	12.16	<=38.45	Pass
			25	16.61	-2.37	12.09	<=38.45	Pass
		50	0	16.63	-2.37	12.11	<=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	3.4	-2.000	-0.0024	-2.5 to 2.5	Pass
					3.8	-1.000	-0.0012	-2.5 to 2.5	Pass
					4.45	-1.800	-0.0022	-2.5 to 2.5	Pass
				-30	3.8	-5.400	-0.0065	-2.5 to 2.5	Pass
				-20	3.8	-5.900	-0.0071	-2.5 to 2.5	Pass
				-10	3.8	-1.500	-0.0018	-2.5 to 2.5	Pass
				0	3.8	-6.900	-0.0082	-2.5 to 2.5	Pass
				10	3.8	-2.100	-0.0025	-2.5 to 2.5	Pass
				30	3.8	-1.400	-0.0017	-2.5 to 2.5	Pass
				40	3.8	-1.900	-0.0023	-2.5 to 2.5	Pass
				50	3.8	-1.600	-0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

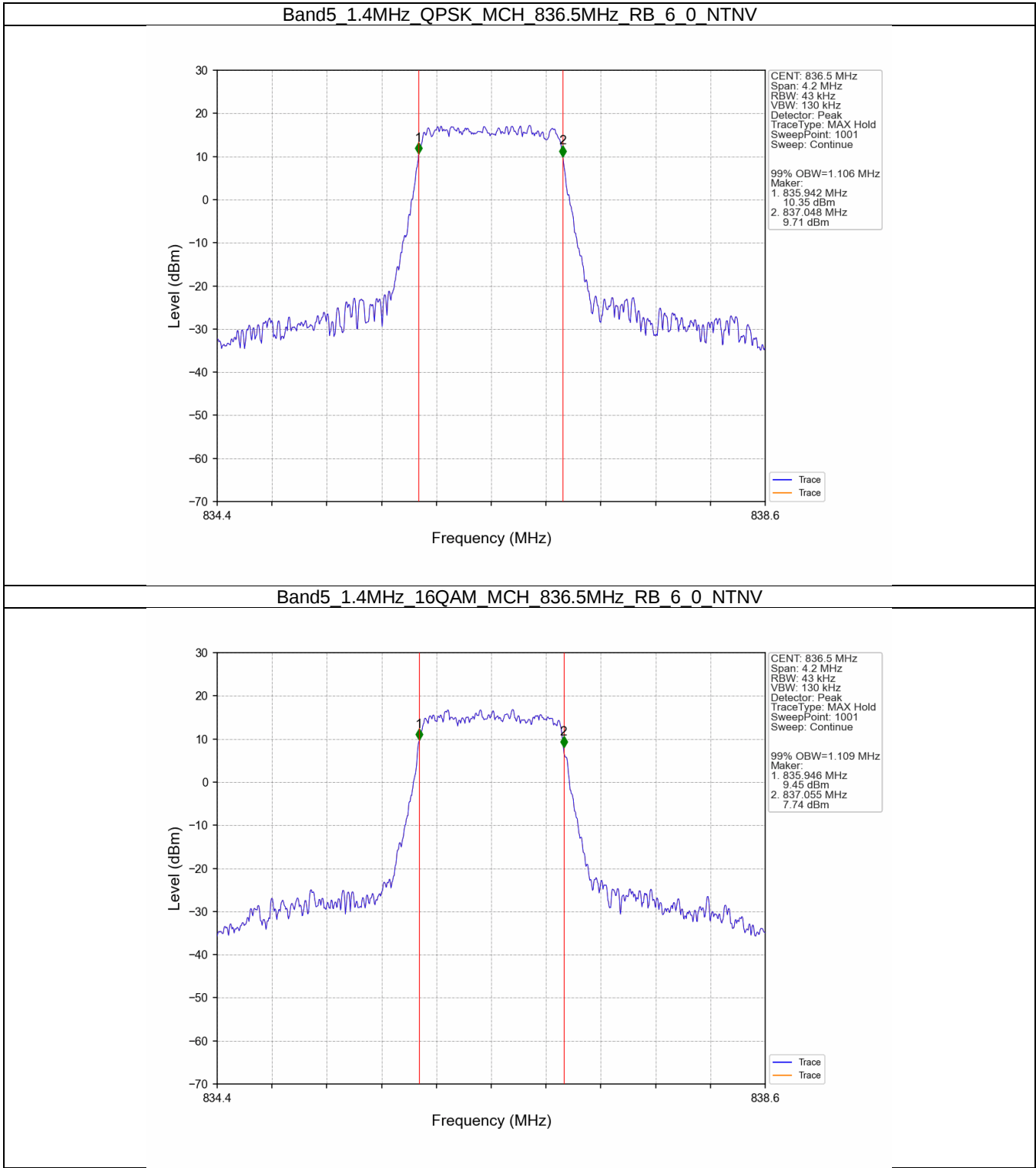
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.106	/	Pass
	16QAM	836.5	6	0	1.109	/	Pass
3	QPSK	836.5	15	0	2.722	/	Pass
	16QAM	836.5	15	0	2.722	/	Pass
5	QPSK	836.5	25	0	4.534	/	Pass
	16QAM	836.5	25	0	4.534	/	Pass
10	QPSK	836.5	50	0	9.093	/	Pass
	16QAM	836.5	50	0	9.009	/	Pass

3.1.2 Band5_XDB

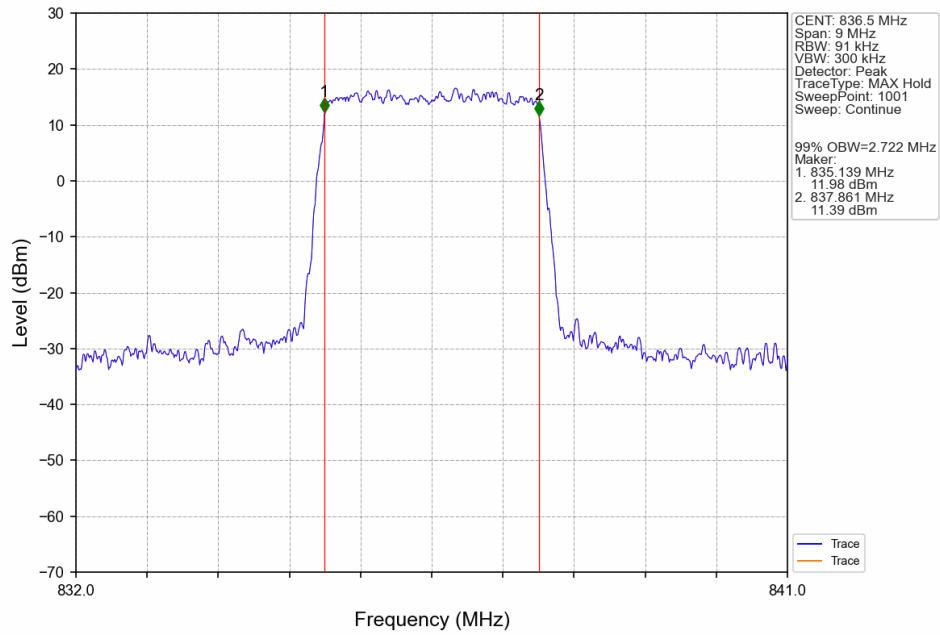
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.322	/	Pass
	16QAM	836.5	6	0	1.315	/	Pass
3	QPSK	836.5	15	0	3.021	/	Pass
	16QAM	836.5	15	0	3.022	/	Pass
5	QPSK	836.5	25	0	5.066	/	Pass
	16QAM	836.5	25	0	5.065	/	Pass
10	QPSK	836.5	50	0	9.982	/	Pass
	16QAM	836.5	50	0	9.911	/	Pass

3.2 Test Graph

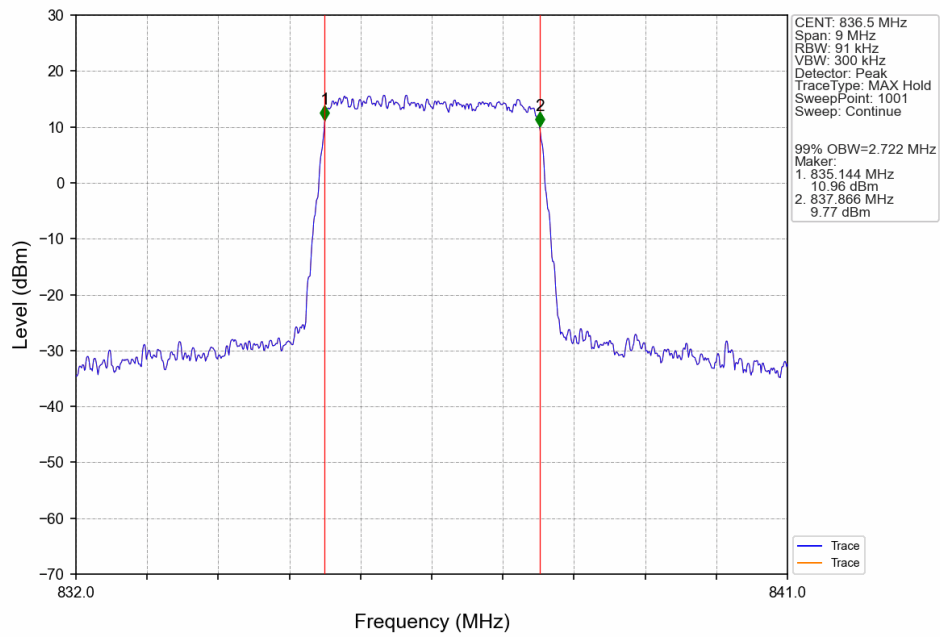
3.2.1 Band5_OBW



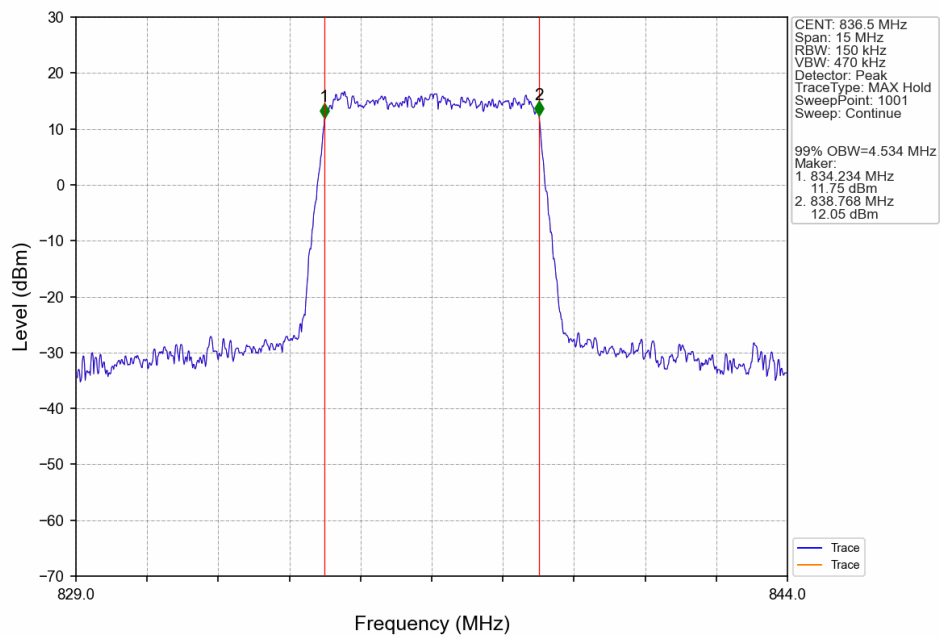
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



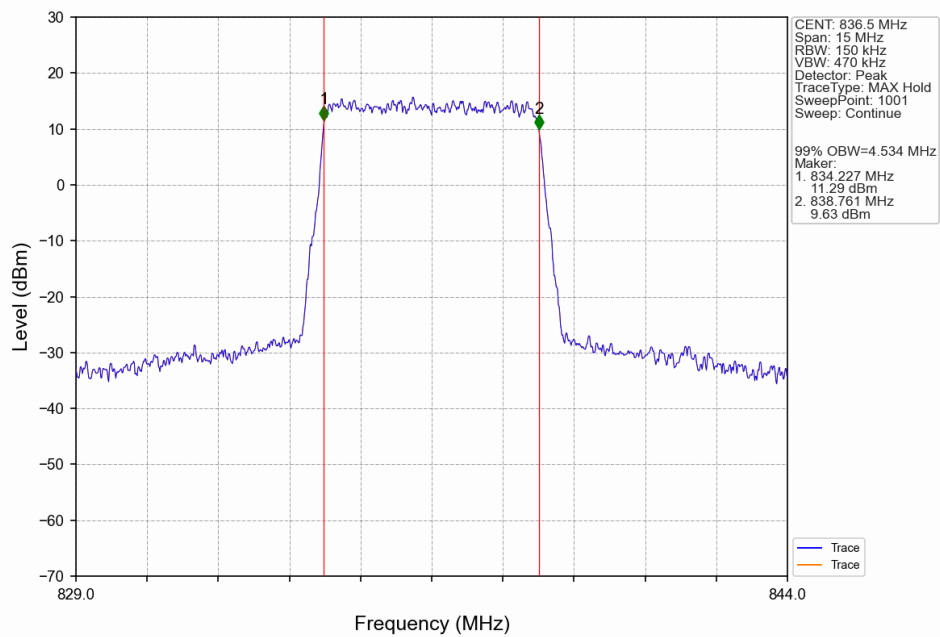
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTN



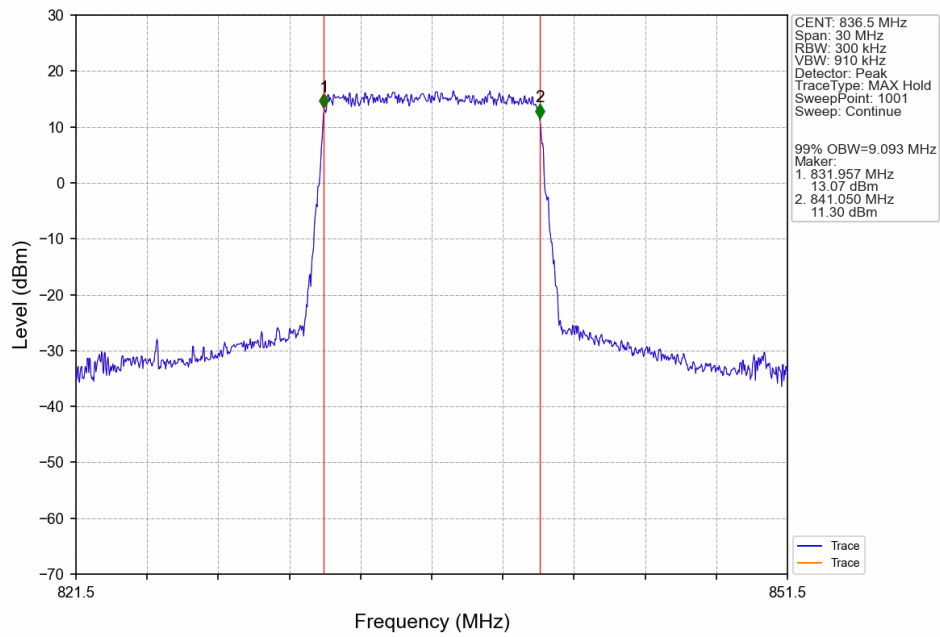
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



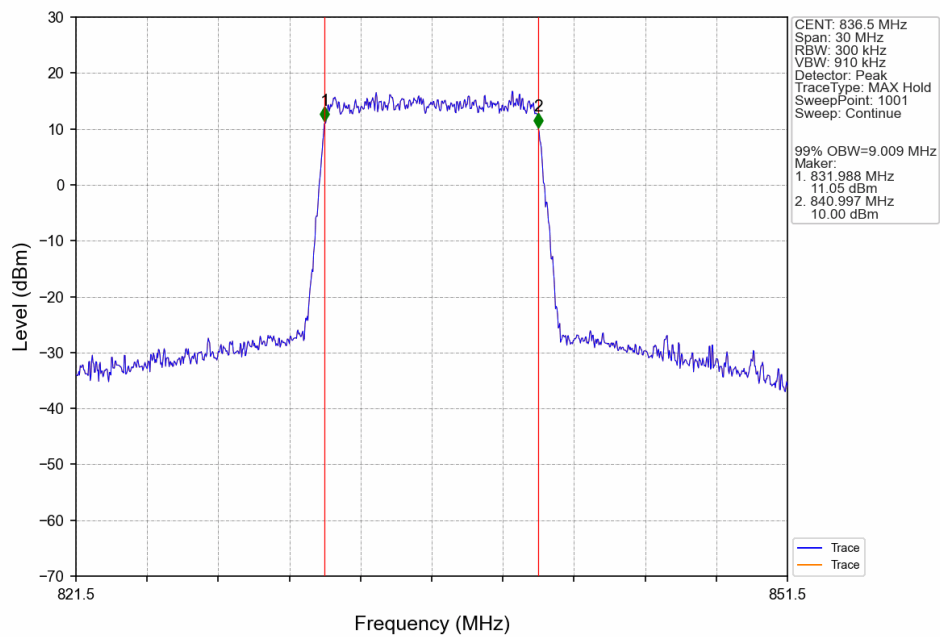
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



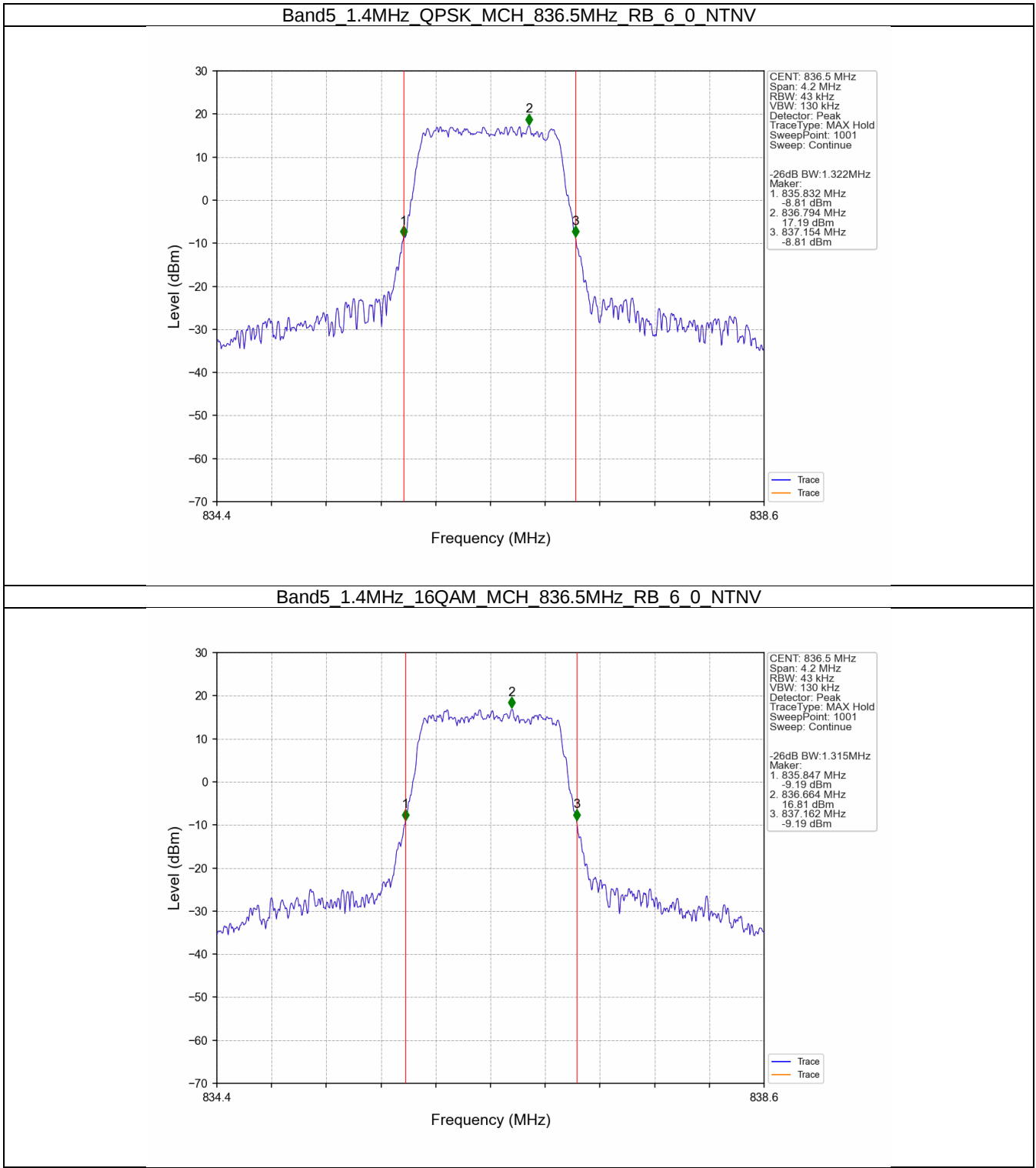
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



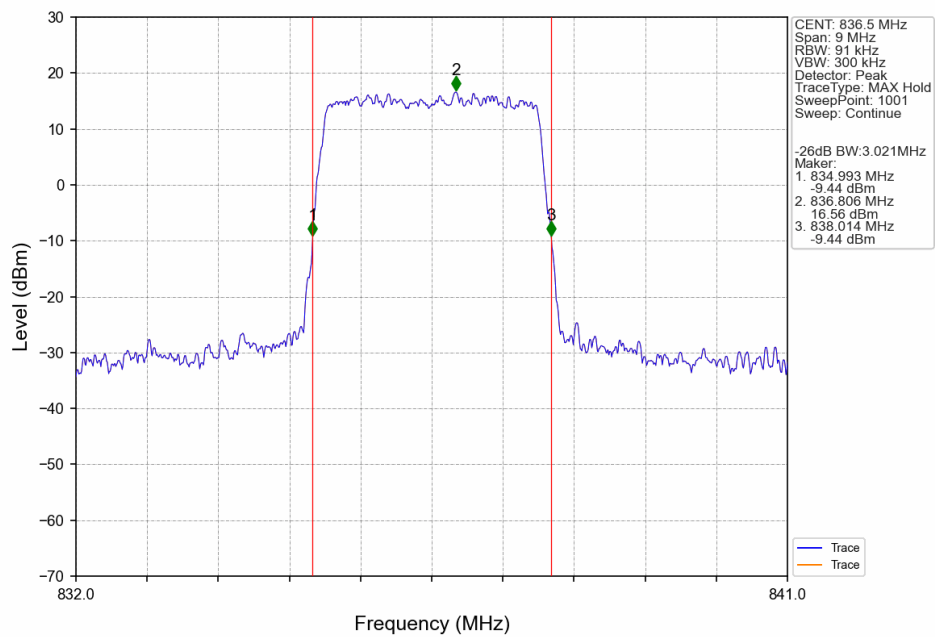
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



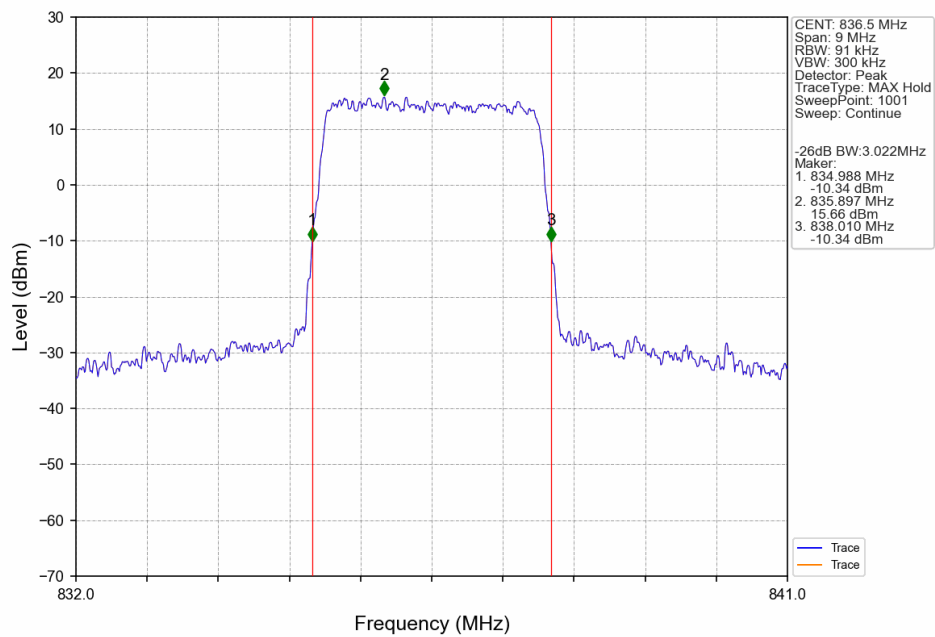
3.2.2 Band5_XDB



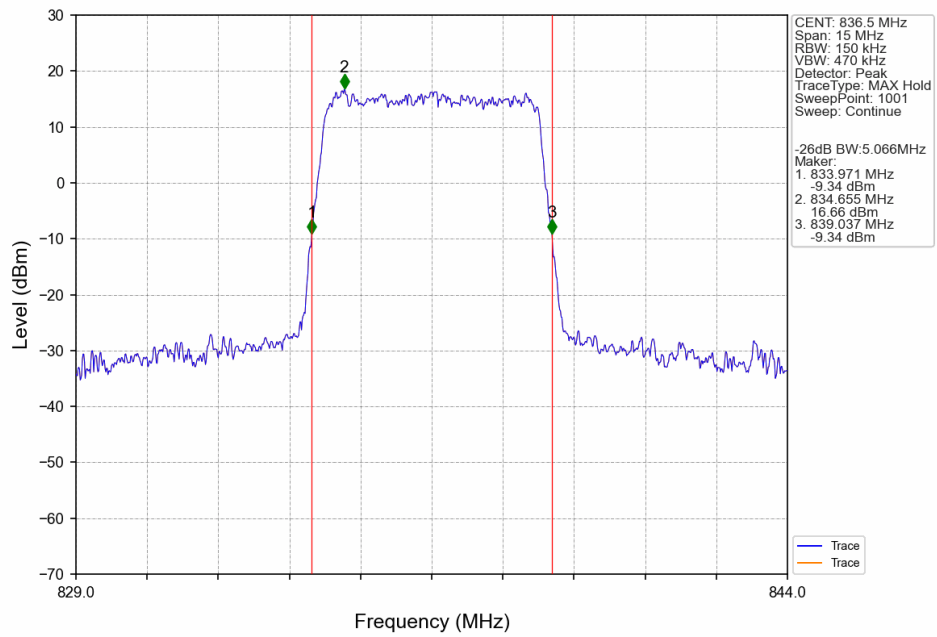
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



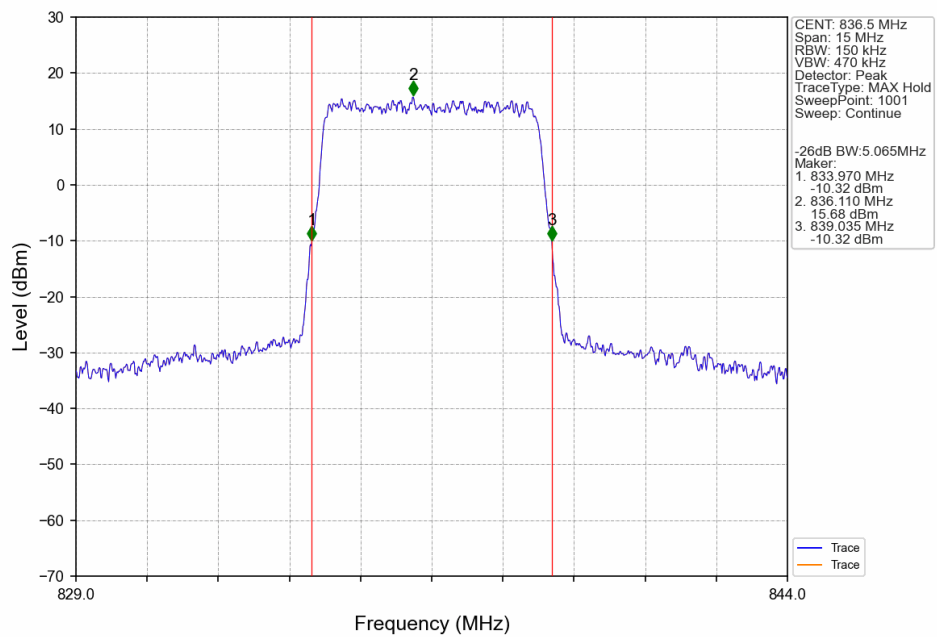
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



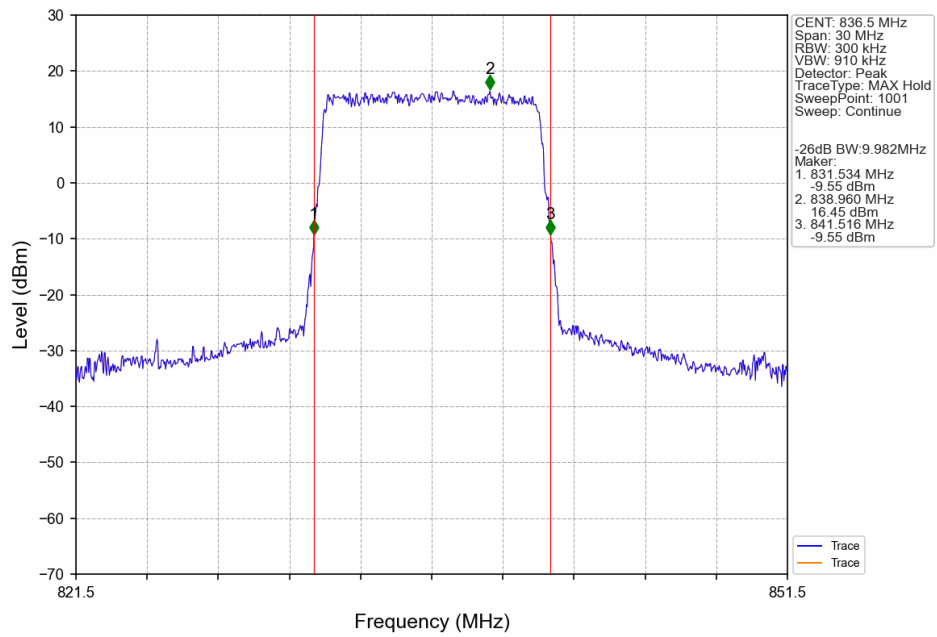
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



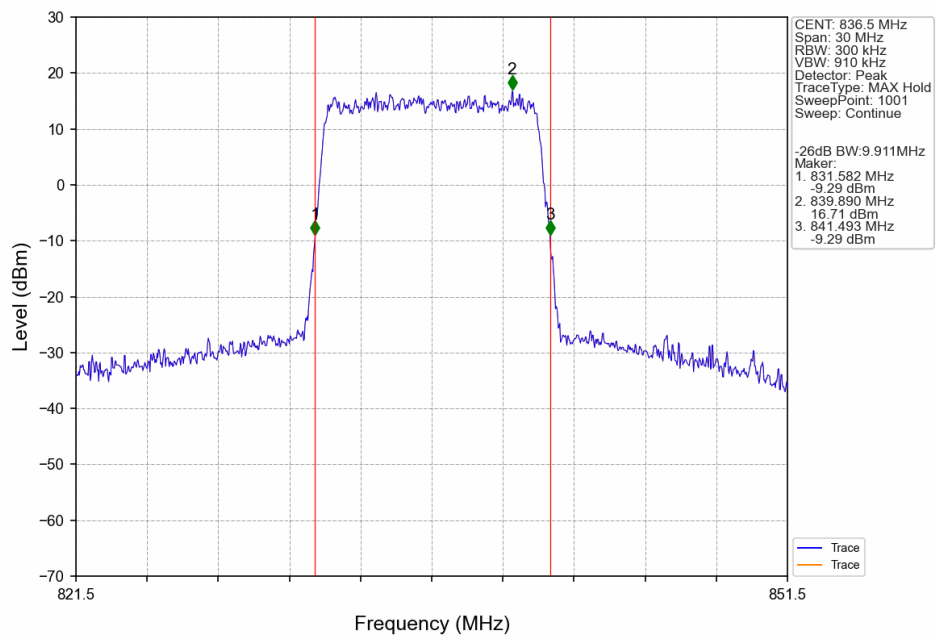
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

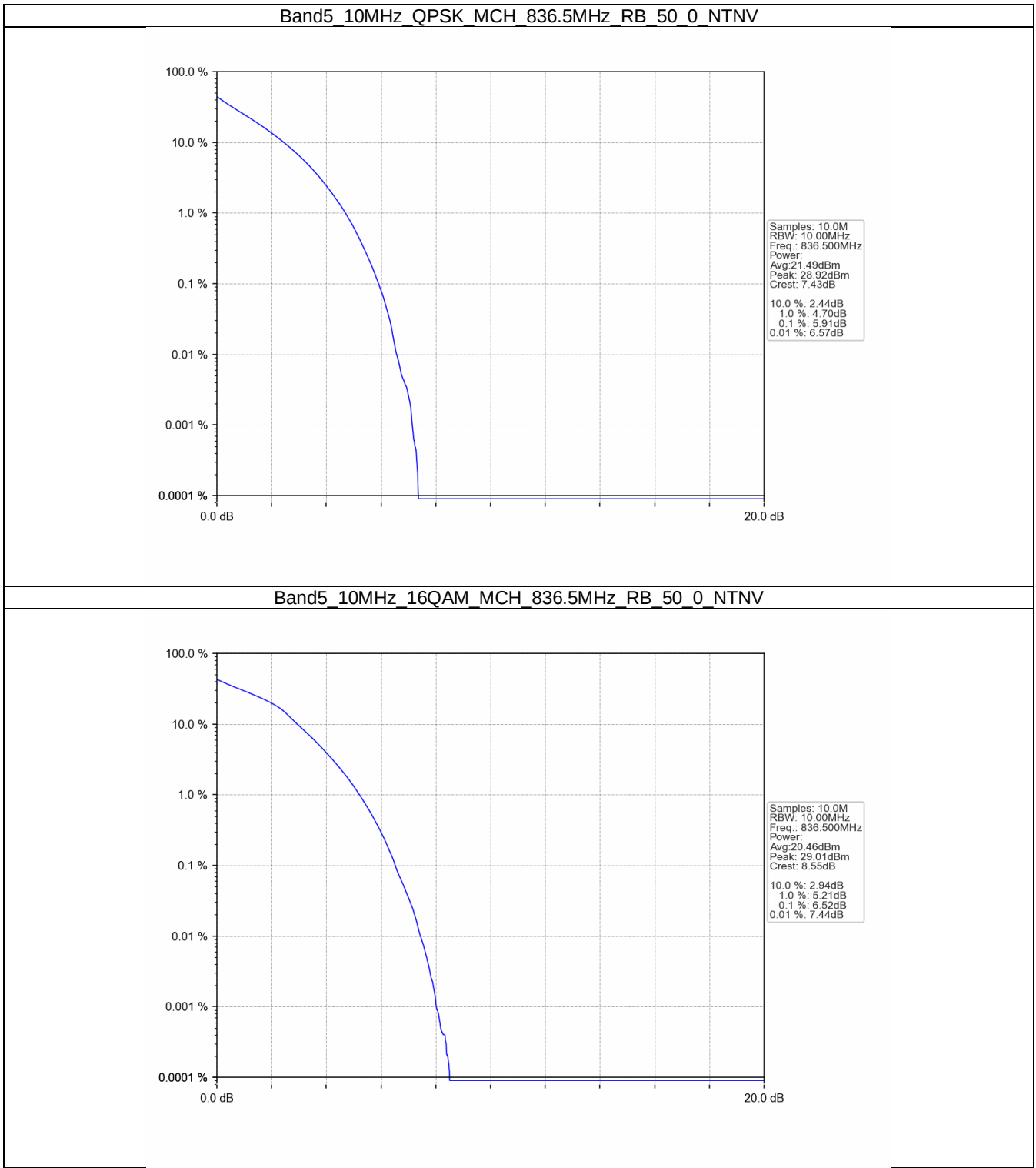
4.1 Test Result

4.1.1 B5_10MHz

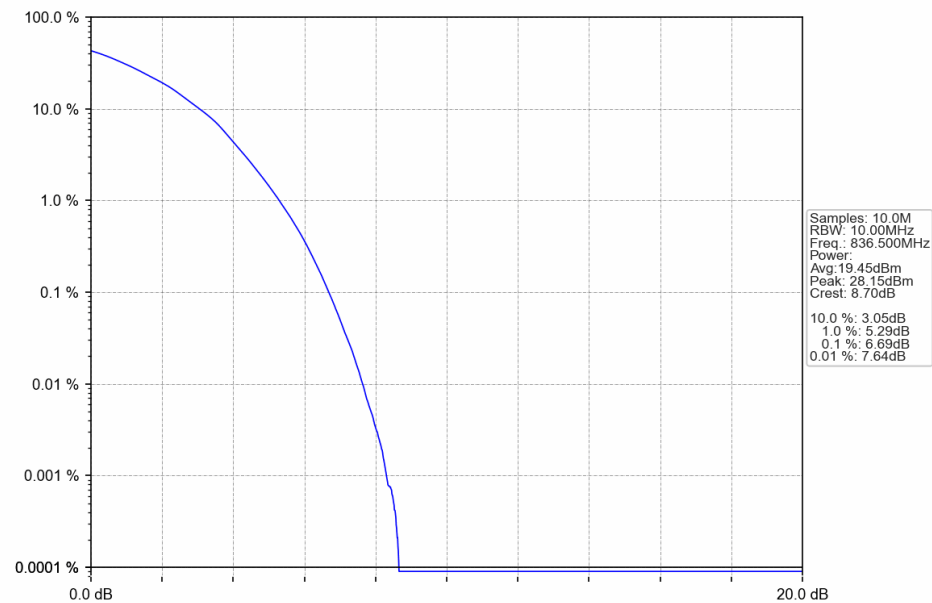
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	5.91	<=13	Pass
16QAM	836.5	50	0	6.52	<=13	Pass
64QAM	836.5	50	0	6.69	<=13	Pass
256QAM	836.5	50	0	6.64	<=13	Pass

4.2 Test Graph

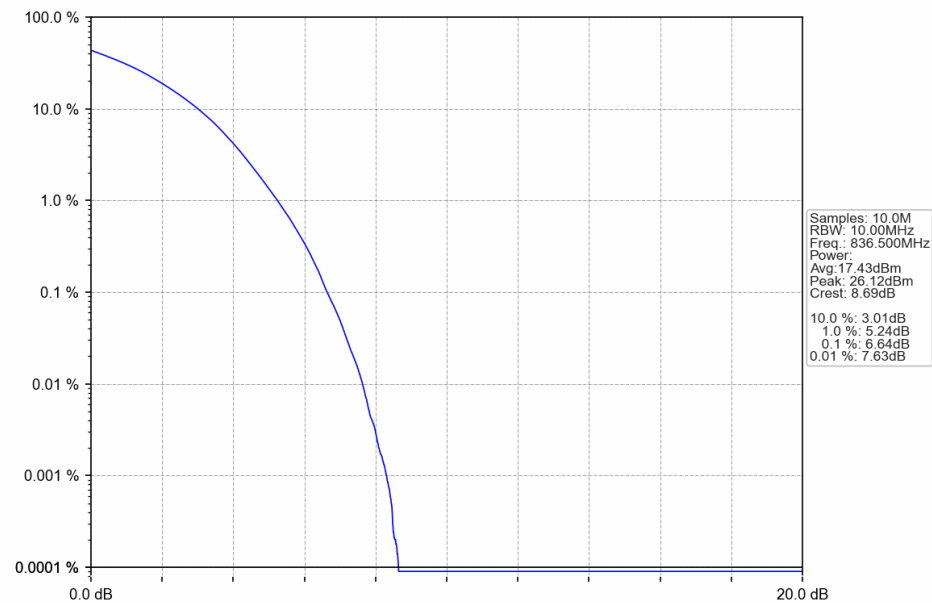
4.2.1 B5_10MHz



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

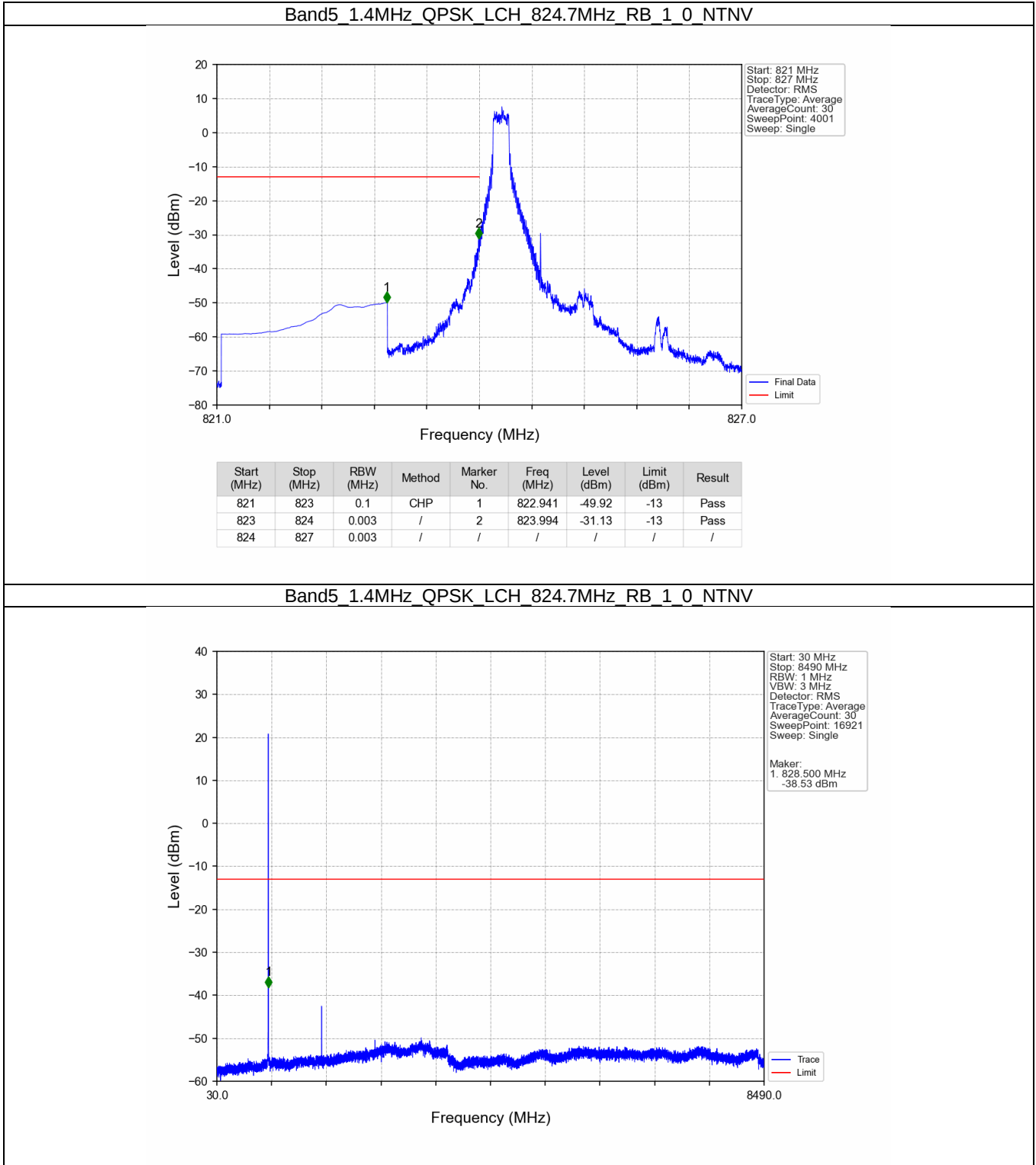
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

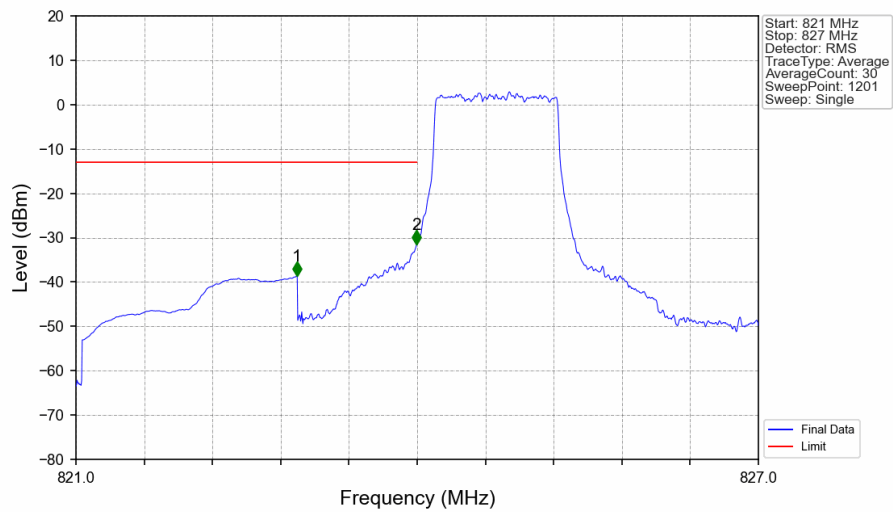
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

5.2.1 B5_1.4MHz

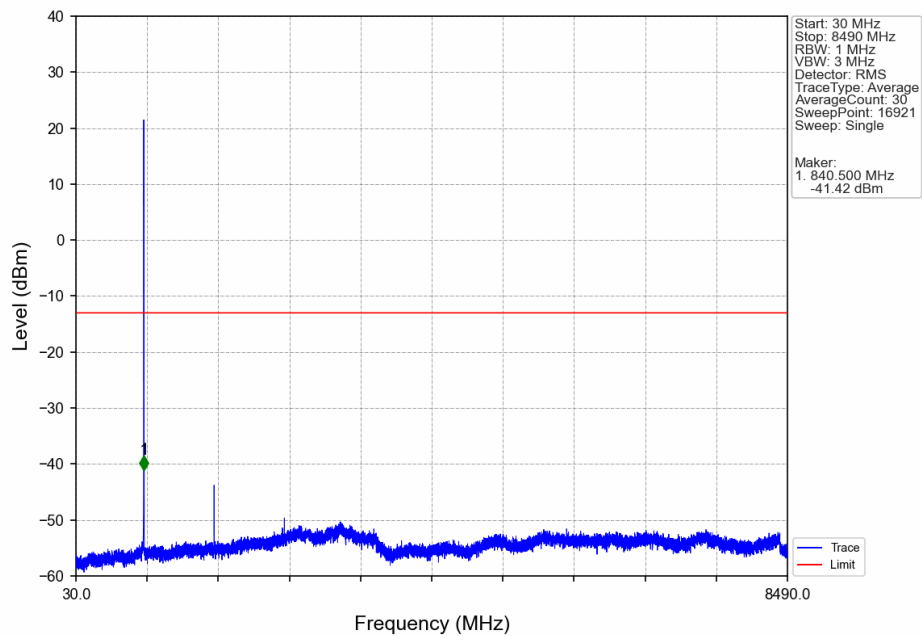


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

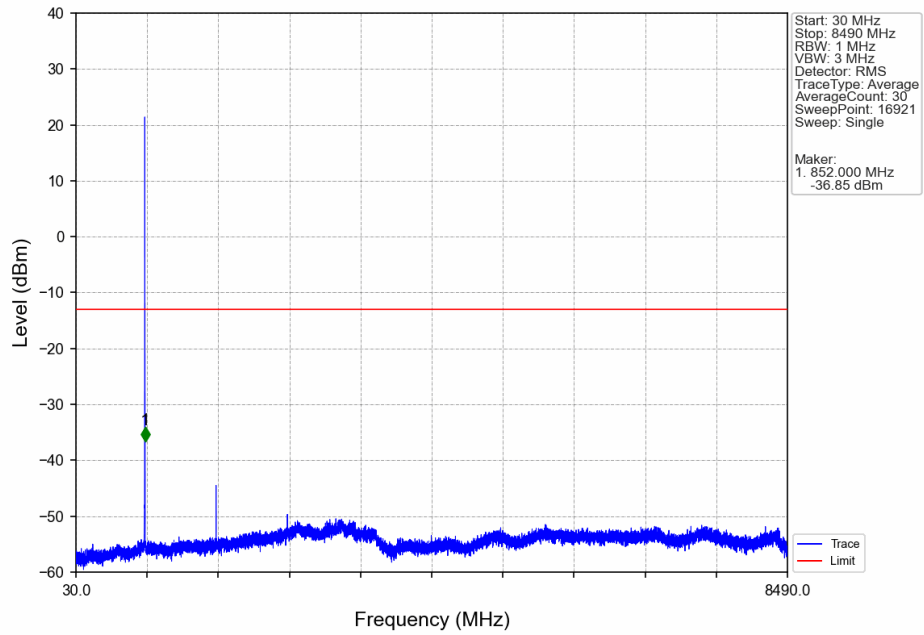


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.940	-38.68	-13	Pass
823	824	0.013	CHP	2	823.995	-31.48	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

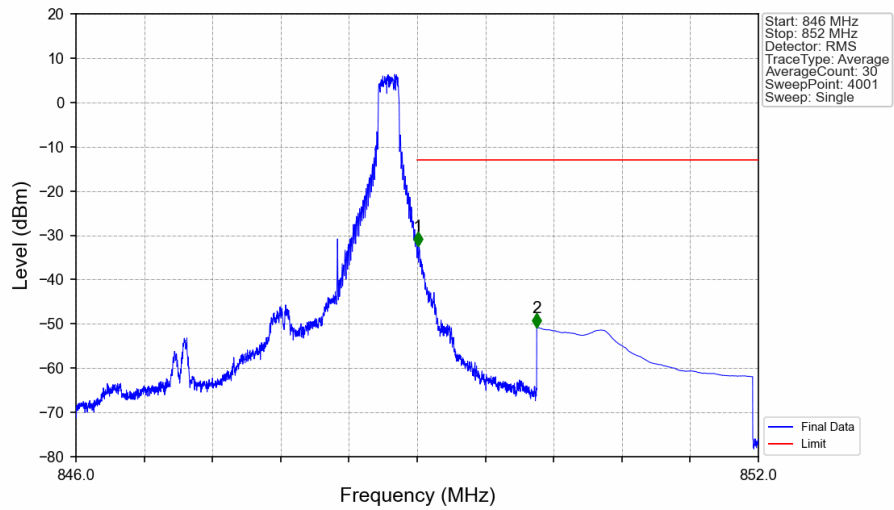
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

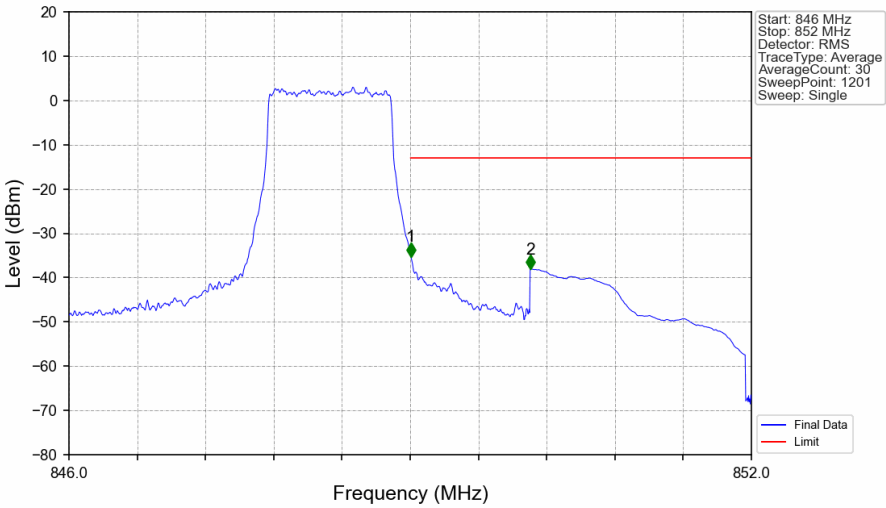


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



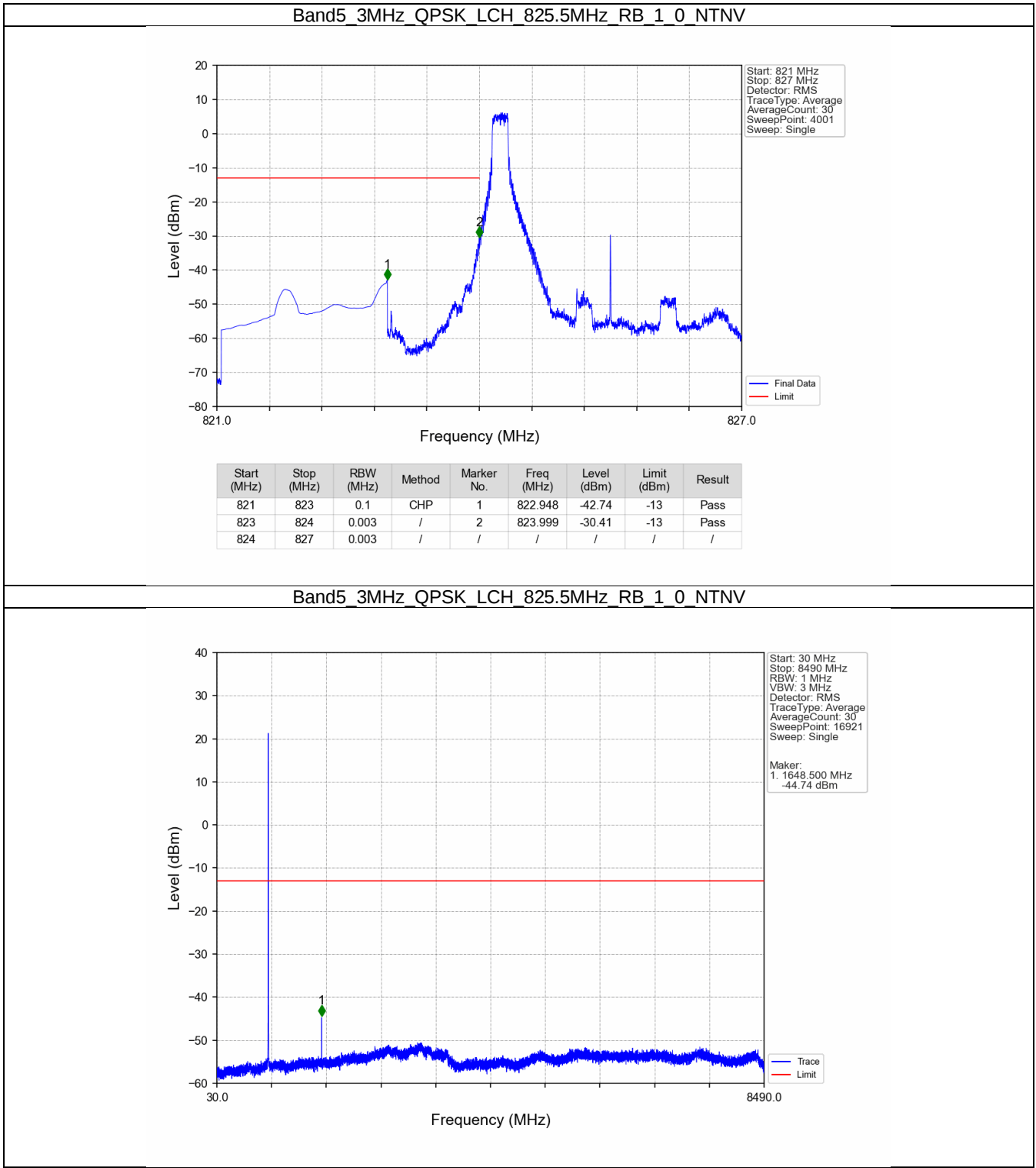
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-32.42	-13	Pass
850	852	0.1	CHP	2	850.052	-50.82	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTV

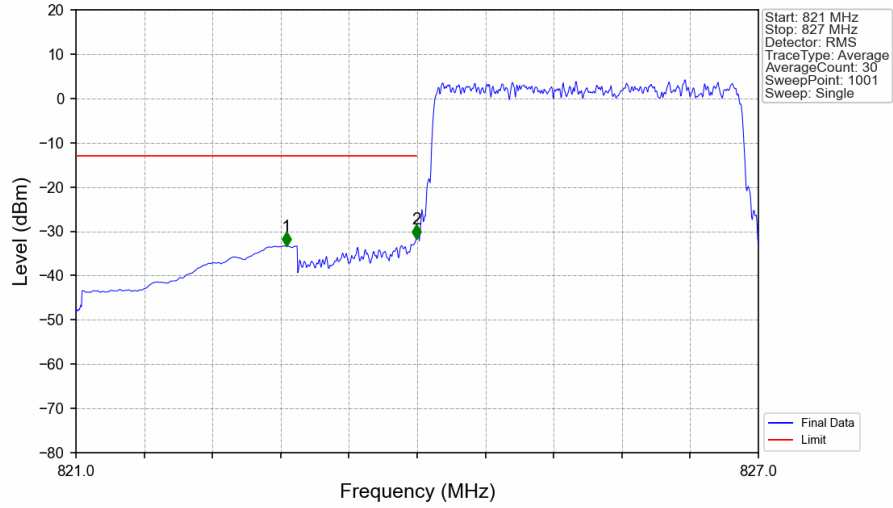


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-35.23	-13	Pass
850	852	0.1	CHP	2	850.060	-38.06	-13	Pass

5.2.2 B5_3MHz

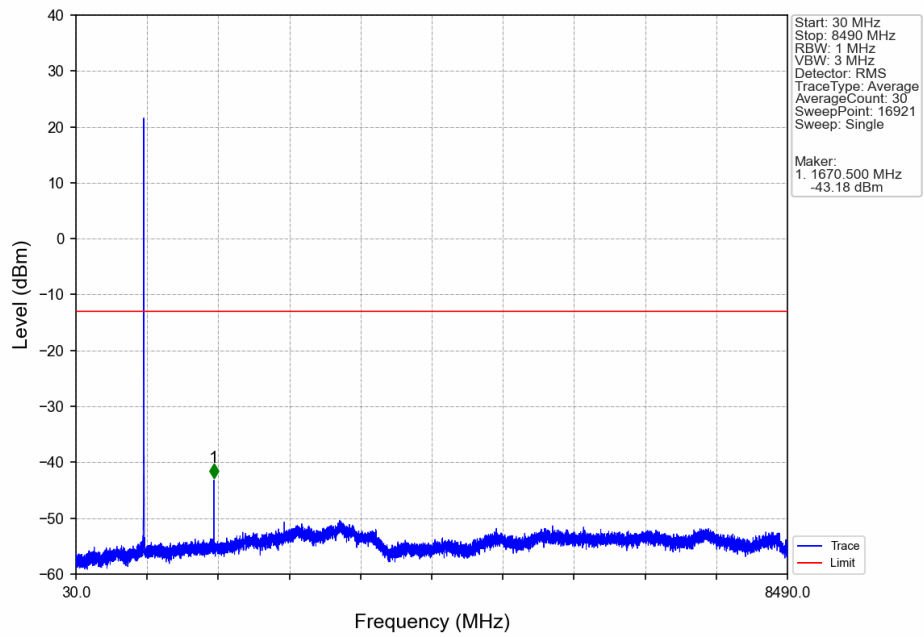


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

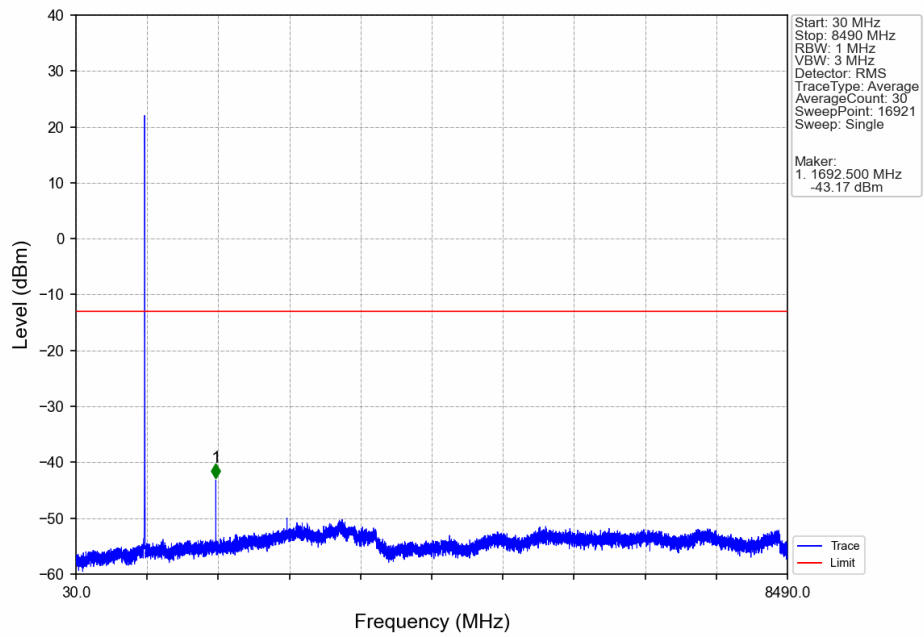


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.848	-33.31	-13	Pass
823	824	0.03	/	2	823.994	-31.60	-13	Pass
824	827	0.03	/	/	/	/	/	/

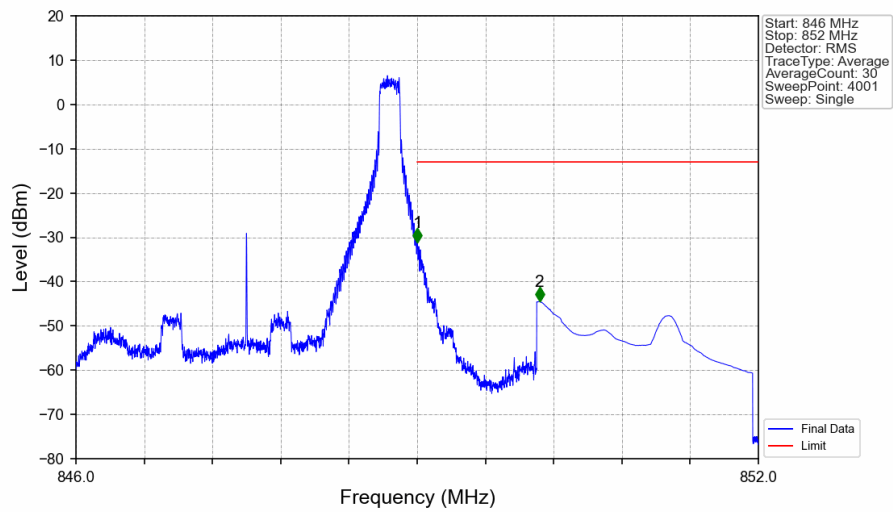
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTV

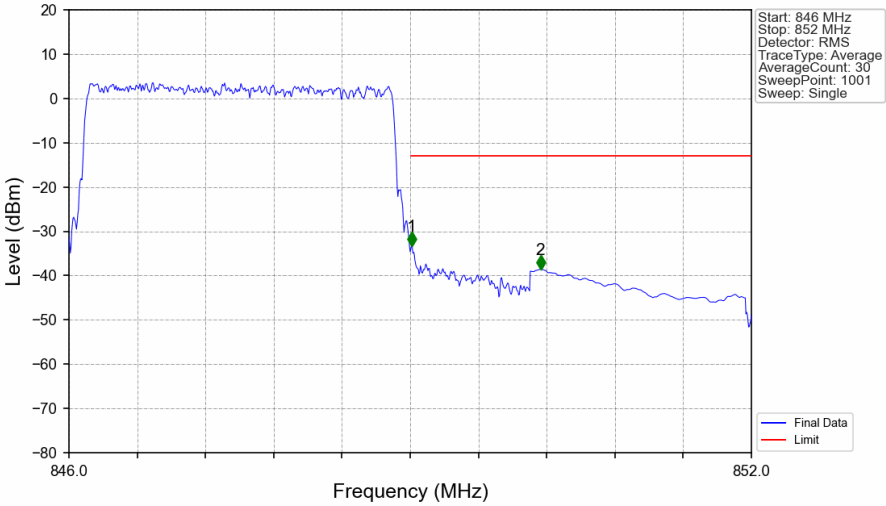


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTV



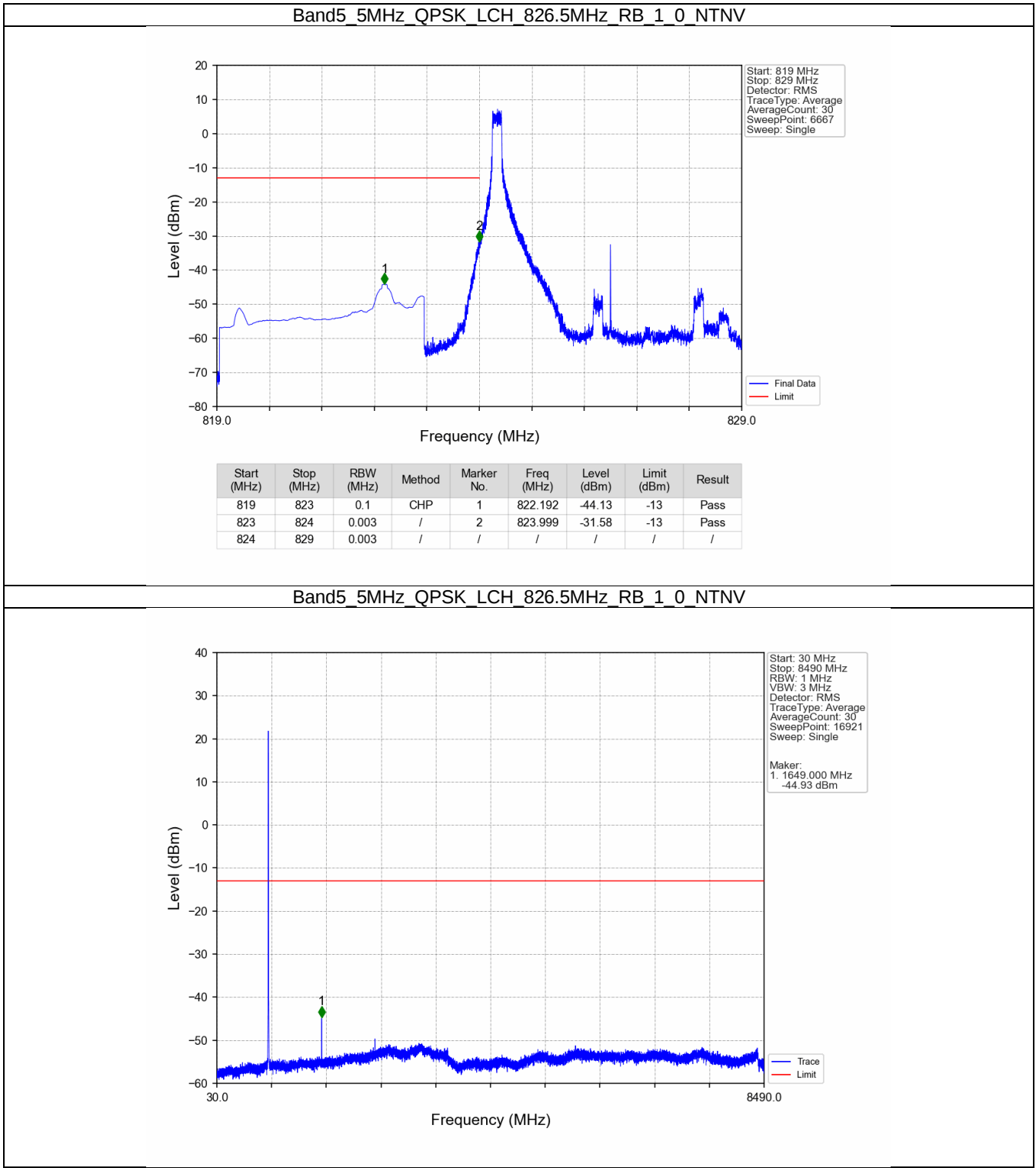
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.06	-13	Pass
850	852	0.1	CHP	2	850.076	-44.44	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

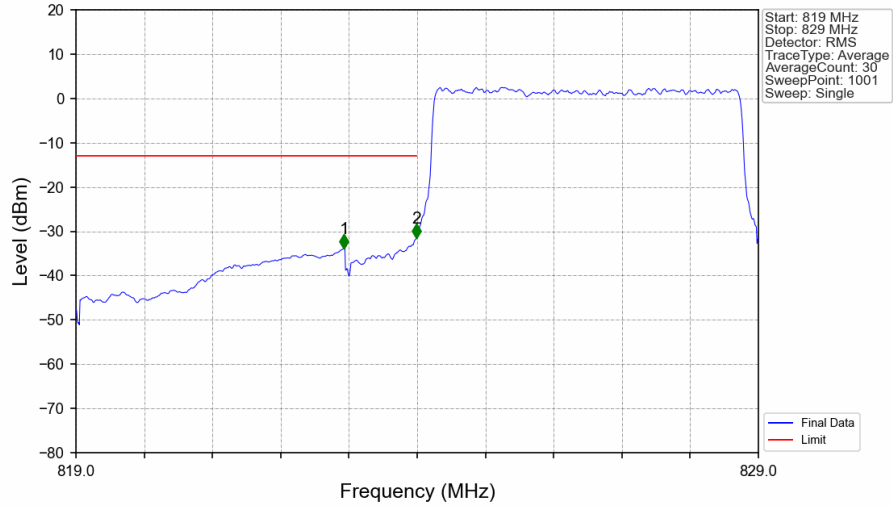


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.012	-33.24	-13	Pass
850	852	0.1	CHP	2	850.146	-38.56	-13	Pass

5.2.3 B5_5MHz

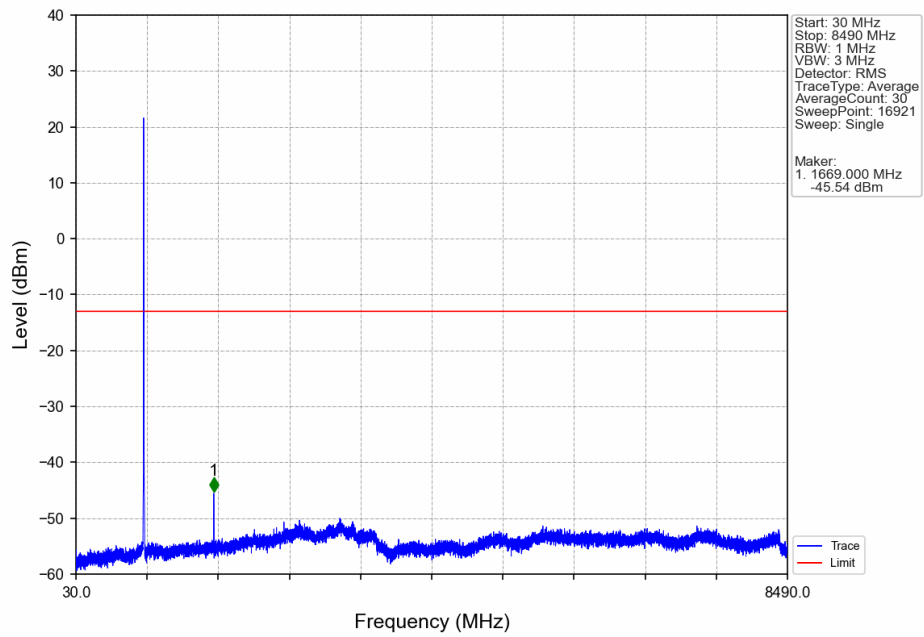


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

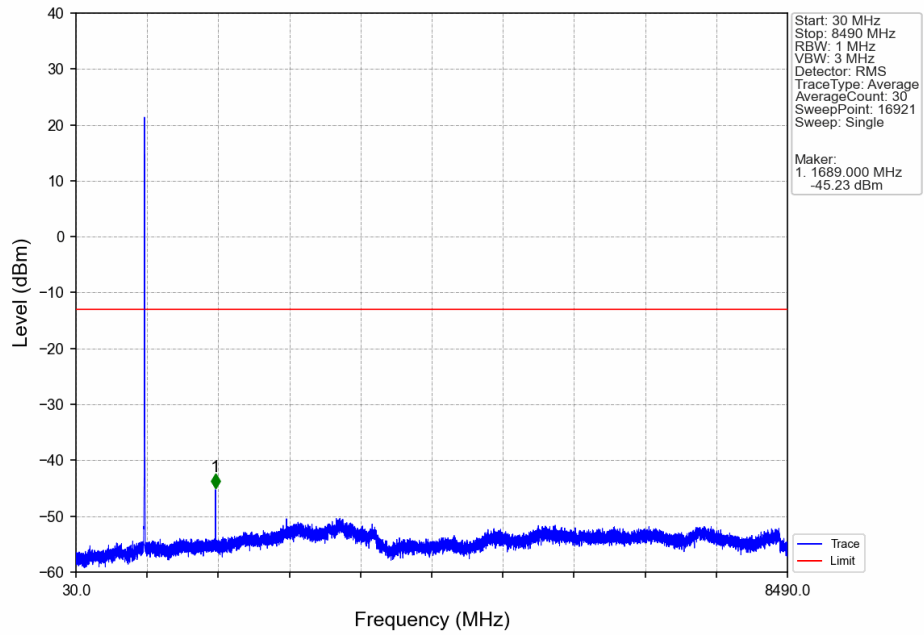


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.930	-33.87	-13	Pass
823	824	0.051	CHP	2	823.990	-31.55	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

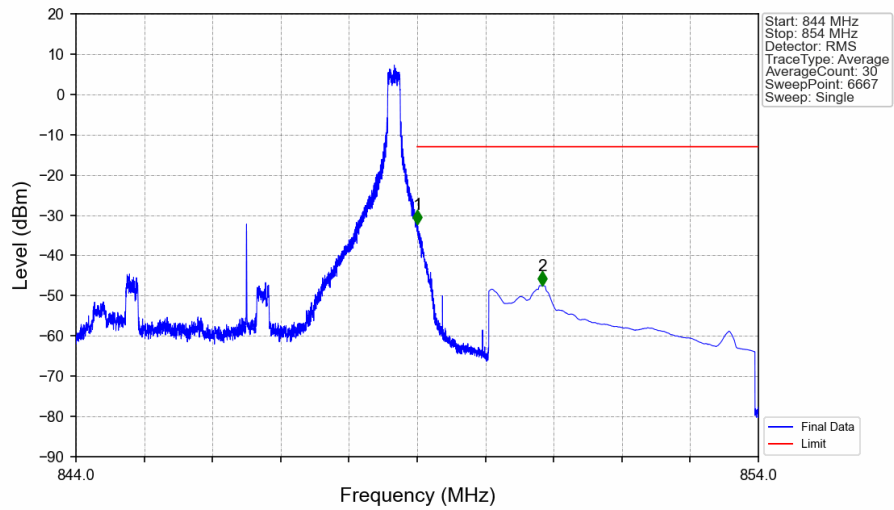
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV

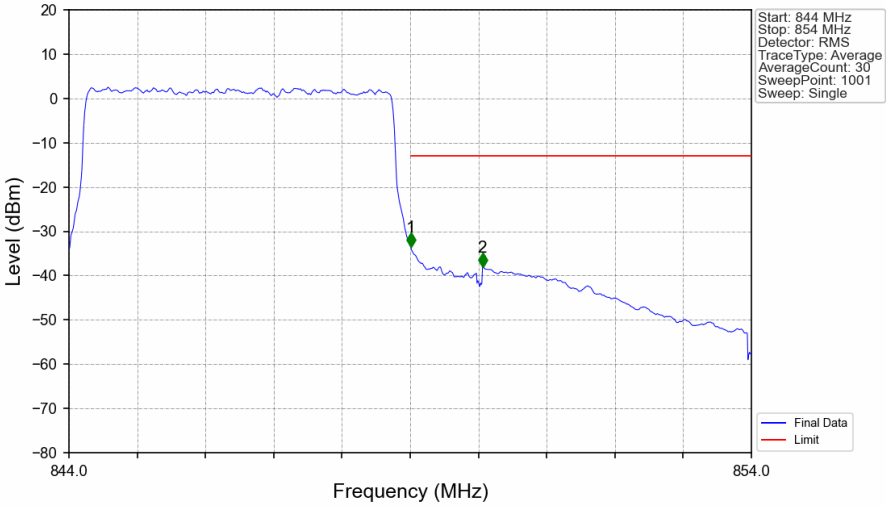


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



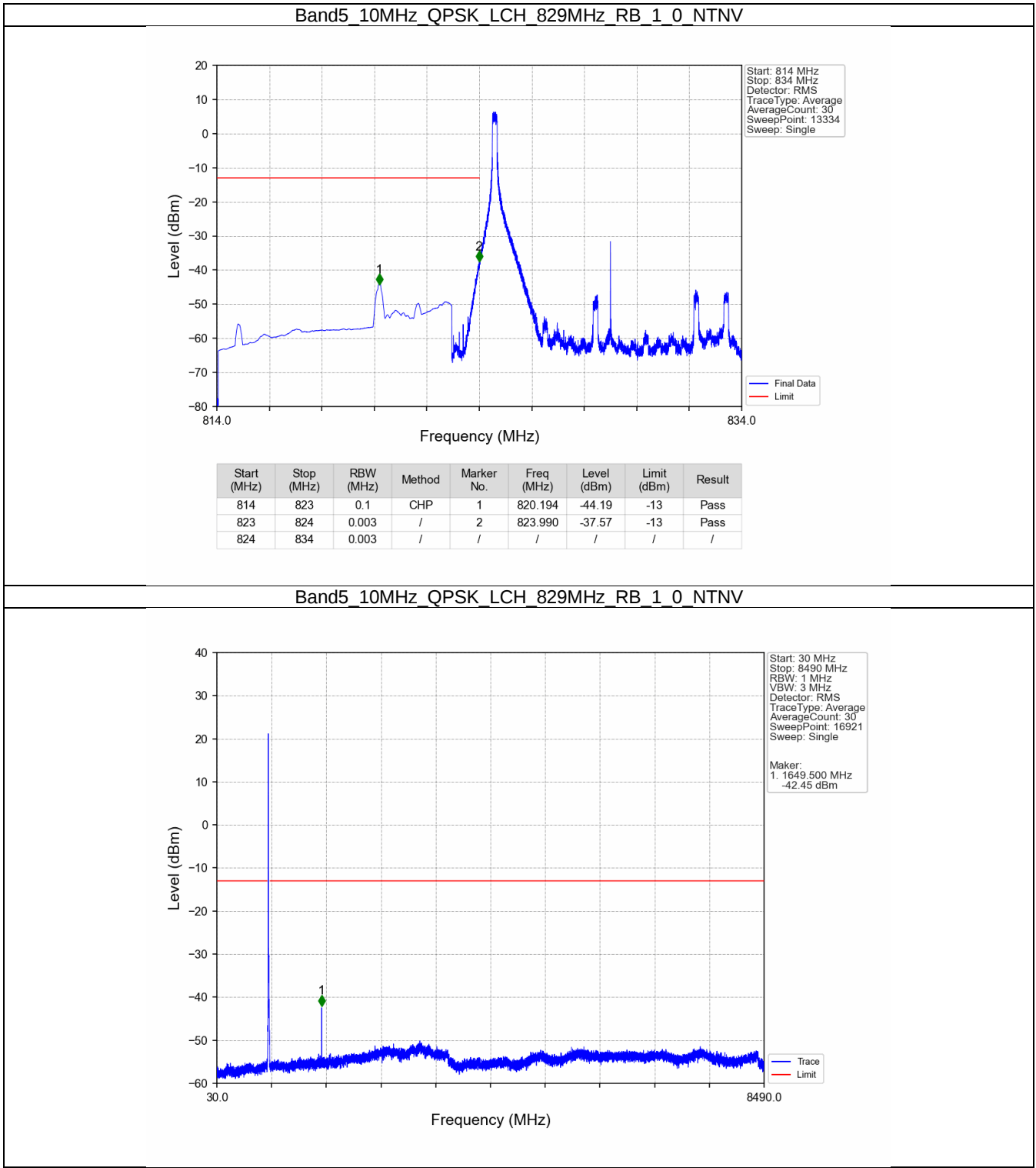
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.31	-13	Pass
850	854	0.1	CHP	2	850.833	-47.47	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

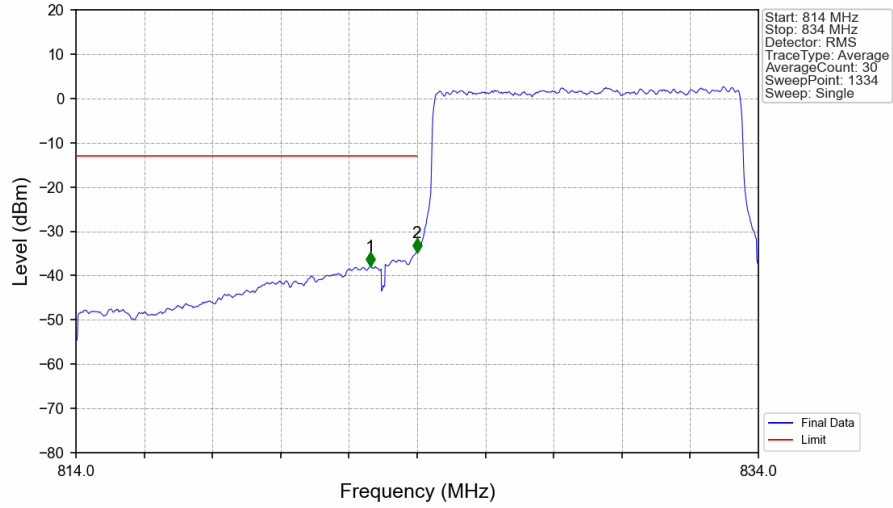


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-33.58	-13	Pass
850	854	0.1	CHP	2	850.060	-37.97	-13	Pass

5.2.4 B5_10MHz

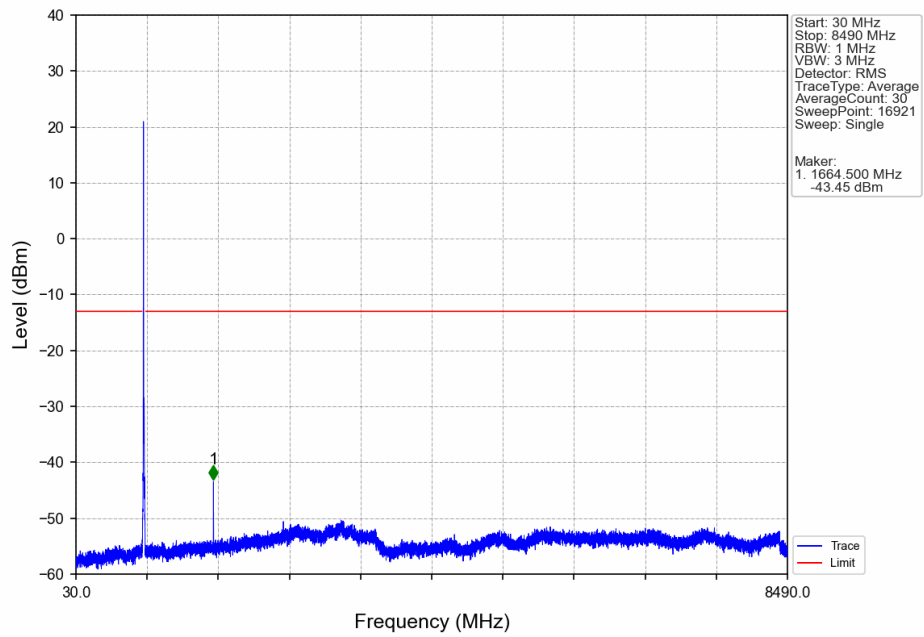


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

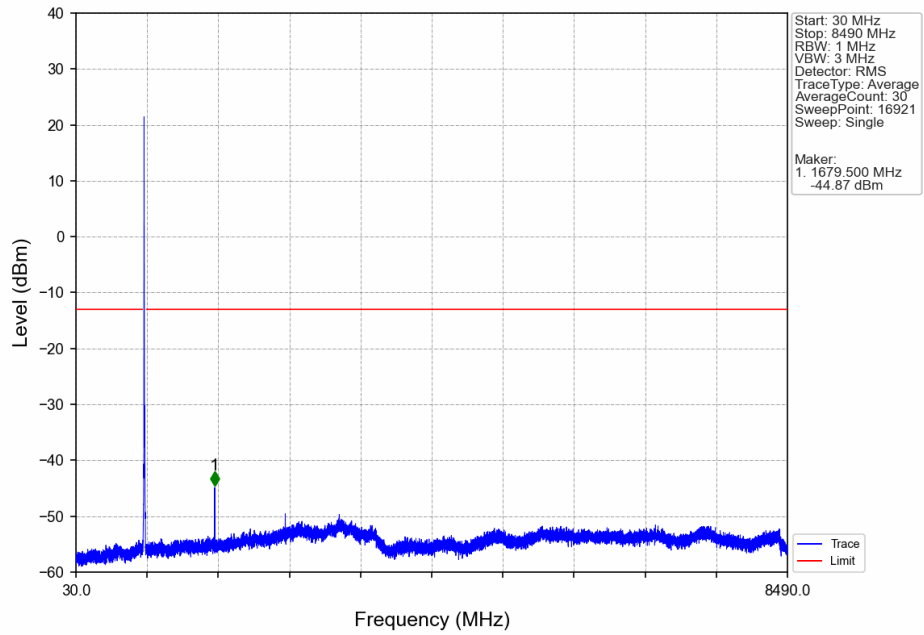


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.627	-37.93	-13	Pass
823	824	0.1	CHP	2	823.992	-34.70	-13	Pass
824	834	0.1	CHP	/	/	/	/	/

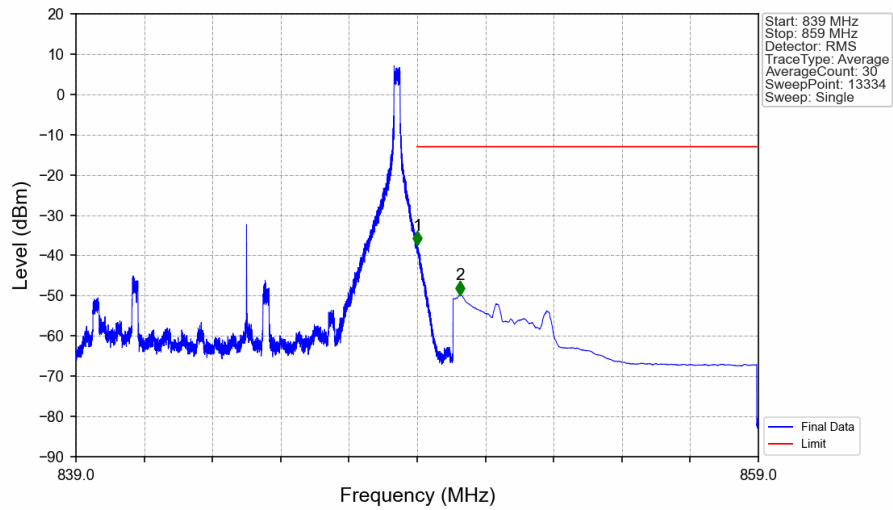
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

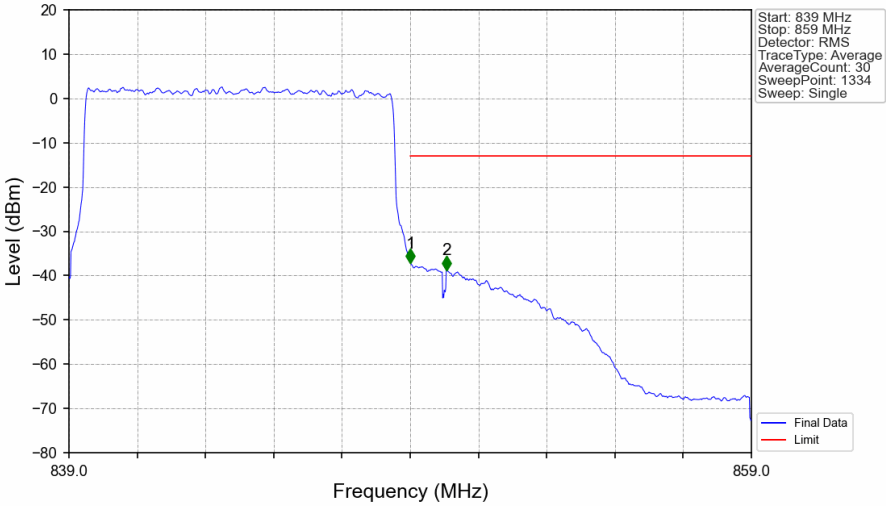


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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	849.008	-37.46	-13	Pass
850	859	0.1	CHP	2	850.262	-49.77	-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	0.1	CHP	/	/	/	/	/
849	850	0.1	CHP	1	849.008	-37.13	-13	Pass
850	859	0.1	CHP	2	850.058	-38.69	-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	-70.32	-13	-57.32	-73.2	2.62	5.5	Horizontal	Pass
2473.5	-67.56	-13	-54.56	-70.26	3.06	5.76	Horizontal	Pass
3298.0	-67.39	-13	-54.39	-71.75	3.3	7.66	Horizontal	Pass
1649.0	-70.81	-13	-57.81	-73.69	2.62	5.5	Vertical	Pass
2473.5	-66.62	-13	-53.62	-69.32	3.06	5.76	Vertical	Pass
3298.0	-67.72	-13	-54.72	-72.08	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	-71.22	-13	-58.22	-74.06	2.63	5.47	Horizontal	Pass
2496.0	-63.58	-13	-50.58	-66.31	3.08	5.81	Horizontal	Pass
3328.0	-66.55	-13	-53.55	-70.98	3.31	7.74	Horizontal	Pass
1664.0	-71.04	-13	-58.04	-73.88	2.63	5.47	Vertical	Pass
2496.0	-66.66	-13	-53.66	-69.39	3.08	5.81	Vertical	Pass
3328.0	-67.06	-13	-54.06	-71.49	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	-71.63	-13	-58.63	-74.43	2.63	5.43	Horizontal	Pass
2518.5	-64.5	-13	-51.5	-67.28	3.08	5.86	Horizontal	Pass
3358.0	-66.89	-13	-53.89	-71.38	3.33	7.82	Horizontal	Pass
1679.0	-71.72	-13	-58.72	-74.52	2.63	5.43	Vertical	Pass
2518.5	-66.66	-13	-53.66	-69.44	3.08	5.86	Vertical	Pass
3358.0	-67.3	-13	-54.3	-71.79	3.33	7.82	Vertical	Pass