

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.53	-0.50	20.88	<=38.45	Pass
			2	23.53	-0.50	20.88	<=38.45	Pass
			5	23.37	-0.50	20.72	<=38.45	Pass
		3	0	23.76	-0.50	21.11	<=38.45	Pass
			2	23.62	-0.50	20.97	<=38.45	Pass
			3	23.72	-0.50	21.07	<=38.45	Pass
		6	0	22.67	-0.50	20.02	<=38.45	Pass
	836.5	1	0	23.13	-0.50	20.48	<=38.45	Pass
			2	23.77	-0.50	21.12	<=38.45	Pass
			5	23.50	-0.50	20.85	<=38.45	Pass
		3	0	23.72	-0.50	21.07	<=38.45	Pass
			2	23.14	-0.50	20.49	<=38.45	Pass
			3	23.53	-0.50	20.88	<=38.45	Pass
		6	0	22.30	-0.50	19.65	<=38.45	Pass
	848.3	1	0	23.26	-0.50	20.61	<=38.45	Pass
			2	23.43	-0.50	20.78	<=38.45	Pass
			5	23.31	-0.50	20.66	<=38.45	Pass
		3	0	23.28	-0.50	20.63	<=38.45	Pass
			2	24.07	-0.50	21.42	<=38.45	Pass
			3	23.43	-0.50	20.78	<=38.45	Pass
		6	0	22.43	-0.50	19.78	<=38.45	Pass
16QAM	824.7	1	0	22.83	-0.50	20.18	<=38.45	Pass
			2	23.27	-0.50	20.62	<=38.45	Pass
			5	22.76	-0.50	20.11	<=38.45	Pass
		3	0	22.92	-0.50	20.27	<=38.45	Pass
			2	22.96	-0.50	20.31	<=38.45	Pass
			3	22.94	-0.50	20.29	<=38.45	Pass
		6	0	21.82	-0.50	19.17	<=38.45	Pass
	836.5	1	0	23.46	-0.50	20.81	<=38.45	Pass
			2	23.11	-0.50	20.46	<=38.45	Pass
			5	23.10	-0.50	20.45	<=38.45	Pass
		3	0	22.87	-0.50	20.22	<=38.45	Pass
			2	22.97	-0.50	20.32	<=38.45	Pass
			3	22.64	-0.50	19.99	<=38.45	Pass
		6	0	21.81	-0.50	19.16	<=38.45	Pass
	848.3	1	0	22.44	-0.50	19.79	<=38.45	Pass
			2	23.04	-0.50	20.39	<=38.45	Pass
			5	23.11	-0.50	20.46	<=38.45	Pass
		3	0	22.95	-0.50	20.30	<=38.45	Pass
			2	22.71	-0.50	20.06	<=38.45	Pass
			3	22.37	-0.50	19.72	<=38.45	Pass
		6	0	21.73	-0.50	19.08	<=38.45	Pass
64QAM	824.7	1	0	22.64	-0.50	19.99	<=38.45	Pass
			2	22.93	-0.50	20.28	<=38.45	Pass
			5	21.40	-0.50	18.75	<=38.45	Pass
		3	0	21.96	-0.50	19.31	<=38.45	Pass
			2	23.01	-0.50	20.36	<=38.45	Pass

			3	22.89	-0.50	20.24	<=38.45	Pass
		6	0	21.82	-0.50	19.17	<=38.45	Pass
	836.5	1	0	22.60	-0.50	19.95	<=38.45	Pass
			2	22.16	-0.50	19.51	<=38.45	Pass
			5	22.57	-0.50	19.92	<=38.45	Pass
			3	0	22.79	-0.50	20.14	<=38.45
		2		22.48	-0.50	19.83	<=38.45	Pass
		3		22.74	-0.50	20.09	<=38.45	Pass
		6	0	21.57	-0.50	18.92	<=38.45	Pass
	848.3	1	0	22.62	-0.50	19.97	<=38.45	Pass
			2	22.72	-0.50	20.07	<=38.45	Pass
			5	22.43	-0.50	19.78	<=38.45	Pass
		3	0	22.80	-0.50	20.15	<=38.45	Pass
			2	22.60	-0.50	19.95	<=38.45	Pass
			3	22.59	-0.50	19.94	<=38.45	Pass
		6	0	21.66	-0.50	19.01	<=38.45	Pass

256QAM	824.7	1	0	18.74	-0.50	16.09	<=38.45	Pass
			2	18.72	-0.50	16.07	<=38.45	Pass
			5	18.86	-0.50	16.21	<=38.45	Pass
		3	0	18.78	-0.50	16.13	<=38.45	Pass
			2	18.96	-0.50	16.31	<=38.45	Pass
			3	18.83	-0.50	16.18	<=38.45	Pass
		6	0	18.73	-0.50	16.08	<=38.45	Pass
	836.5	1	0	18.55	-0.50	15.90	<=38.45	Pass
			2	18.92	-0.50	16.27	<=38.45	Pass
			5	18.71	-0.50	16.06	<=38.45	Pass
		3	0	18.48	-0.50	15.83	<=38.45	Pass
			2	18.87	-0.50	16.22	<=38.45	Pass
			3	18.72	-0.50	16.07	<=38.45	Pass
		6	0	18.72	-0.50	16.07	<=38.45	Pass
	848.3	1	0	18.65	-0.50	16.00	<=38.45	Pass
			2	18.55	-0.50	15.90	<=38.45	Pass
			5	18.75	-0.50	16.10	<=38.45	Pass
		3	0	18.26	-0.50	15.61	<=38.45	Pass
			2	18.38	-0.50	15.73	<=38.45	Pass
			3	18.55	-0.50	15.90	<=38.45	Pass
		6	0	18.72	-0.50	16.07	<=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	23.86	-0.50	21.21	<=38.45	Pass
			7	23.84	-0.50	21.19	<=38.45	Pass
			14	23.24	-0.50	20.59	<=38.45	Pass
		8	0	22.87	-0.50	20.22	<=38.45	Pass
			4	22.78	-0.50	20.13	<=38.45	Pass
			7	22.80	-0.50	20.15	<=38.45	Pass
		15	0	22.82	-0.50	20.17	<=38.45	Pass
	836.5	1	0	23.24	-0.50	20.59	<=38.45	Pass
			7	23.52	-0.50	20.87	<=38.45	Pass
			14	23.54	-0.50	20.89	<=38.45	Pass
		8	0	22.70	-0.50	20.05	<=38.45	Pass
			4	22.65	-0.50	20.00	<=38.45	Pass
			7	22.58	-0.50	19.93	<=38.45	Pass
		15	0	22.69	-0.50	20.04	<=38.45	Pass

	847.5	1	0	23.62	-0.50	20.97	<=38.45	Pass
			7	23.39	-0.50	20.74	<=38.45	Pass
			14	23.40	-0.50	20.75	<=38.45	Pass
		8	0	22.79	-0.50	20.14	<=38.45	Pass
			4	22.69	-0.50	20.04	<=38.45	Pass
			7	22.52	-0.50	19.87	<=38.45	Pass
		15	0	22.69	-0.50	20.04	<=38.45	Pass
16QAM	825.5	1	0	22.76	-0.50	20.11	<=38.45	Pass
			7	22.70	-0.50	20.05	<=38.45	Pass
			14	23.00	-0.50	20.35	<=38.45	Pass
		8	0	21.85	-0.50	19.20	<=38.45	Pass
			4	21.95	-0.50	19.30	<=38.45	Pass
			7	21.93	-0.50	19.28	<=38.45	Pass
		15	0	21.88	-0.50	19.23	<=38.45	Pass
	836.5	1	0	23.16	-0.50	20.51	<=38.45	Pass
			7	23.24	-0.50	20.59	<=38.45	Pass
			14	22.73	-0.50	20.08	<=38.45	Pass
		8	0	21.73	-0.50	19.08	<=38.45	Pass
			4	21.48	-0.50	18.83	<=38.45	Pass
			7	21.51	-0.50	18.86	<=38.45	Pass
		15	0	21.61	-0.50	18.96	<=38.45	Pass
	847.5	1	0	23.07	-0.50	20.42	<=38.45	Pass
			7	22.85	-0.50	20.20	<=38.45	Pass
			14	23.00	-0.50	20.35	<=38.45	Pass
		8	0	21.82	-0.50	19.17	<=38.45	Pass
			4	21.57	-0.50	18.92	<=38.45	Pass
			7	21.69	-0.50	19.04	<=38.45	Pass
		15	0	21.70	-0.50	19.05	<=38.45	Pass
64QAM	825.5	1	0	22.79	-0.50	20.14	<=38.45	Pass
			7	22.85	-0.50	20.20	<=38.45	Pass
			14	22.69	-0.50	20.04	<=38.45	Pass
		8	0	21.92	-0.50	19.27	<=38.45	Pass
			4	21.89	-0.50	19.24	<=38.45	Pass
			7	21.46	-0.50	18.81	<=38.45	Pass
		15	0	21.83	-0.50	19.18	<=38.45	Pass
	836.5	1	0	22.88	-0.50	20.23	<=38.45	Pass
			7	22.84	-0.50	20.19	<=38.45	Pass
			14	22.68	-0.50	20.03	<=38.45	Pass
		8	0	21.73	-0.50	19.08	<=38.45	Pass
			4	21.54	-0.50	18.89	<=38.45	Pass
			7	21.80	-0.50	19.15	<=38.45	Pass
		15	0	21.70	-0.50	19.05	<=38.45	Pass
	847.5	1	0	22.61	-0.50	19.96	<=38.45	Pass
			7	22.86	-0.50	20.21	<=38.45	Pass
			14	22.64	-0.50	19.99	<=38.45	Pass
		8	0	21.82	-0.50	19.17	<=38.45	Pass
			4	21.81	-0.50	19.16	<=38.45	Pass
			7	21.67	-0.50	19.02	<=38.45	Pass
		15	0	21.77	-0.50	19.12	<=38.45	Pass
256QAM	825.5	1	0	18.81	-0.50	16.16	<=38.45	Pass
			7	19.03	-0.50	16.38	<=38.45	Pass
			14	18.87	-0.50	16.22	<=38.45	Pass
		8	0	18.87	-0.50	16.22	<=38.45	Pass
			4	18.89	-0.50	16.24	<=38.45	Pass
			7	18.71	-0.50	16.06	<=38.45	Pass
		15	0	18.81	-0.50	16.16	<=38.45	Pass
	836.5	1	0	18.59	-0.50	15.94	<=38.45	Pass
			7	18.70	-0.50	16.05	<=38.45	Pass
			14	18.90	-0.50	16.25	<=38.45	Pass

		8	0	18.63	-0.50	15.98	<=38.45	Pass
			4	18.65	-0.50	16.00	<=38.45	Pass
			7	18.67	-0.50	16.02	<=38.45	Pass
		15	0	18.74	-0.50	16.09	<=38.45	Pass
	847.5	1	0	18.33	-0.50	15.68	<=38.45	Pass
			7	18.83	-0.50	16.18	<=38.45	Pass
			14	18.78	-0.50	16.13	<=38.45	Pass
		8	0	18.74	-0.50	16.09	<=38.45	Pass
			4	18.86	-0.50	16.21	<=38.45	Pass
			7	18.67	-0.50	16.02	<=38.45	Pass
		15	0	18.73	-0.50	16.08	<=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	23.71	-0.50	21.06	<=38.45	Pass
			13	23.40	-0.50	20.75	<=38.45	Pass
			24	23.55	-0.50	20.90	<=38.45	Pass
		12	0	22.82	-0.50	20.17	<=38.45	Pass
			6	22.88	-0.50	20.23	<=38.45	Pass
			13	22.78	-0.50	20.13	<=38.45	Pass
		25	0	22.83	-0.50	20.18	<=38.45	Pass
	836.5	1	0	23.76	-0.50	21.11	<=38.45	Pass
			13	23.48	-0.50	20.83	<=38.45	Pass
			24	23.70	-0.50	21.05	<=38.45	Pass
		12	0	22.73	-0.50	20.08	<=38.45	Pass
			6	22.75	-0.50	20.10	<=38.45	Pass
			13	22.77	-0.50	20.12	<=38.45	Pass
		25	0	22.67	-0.50	20.02	<=38.45	Pass
	846.5	1	0	23.78	-0.50	21.13	<=38.45	Pass
			13	23.53	-0.50	20.88	<=38.45	Pass
			24	23.46	-0.50	20.81	<=38.45	Pass
		12	0	22.78	-0.50	20.13	<=38.45	Pass
			6	22.79	-0.50	20.14	<=38.45	Pass
			13	22.72	-0.50	20.07	<=38.45	Pass
		25	0	22.77	-0.50	20.12	<=38.45	Pass
16QAM	826.5	1	0	22.08	-0.50	19.43	<=38.45	Pass
			13	23.00	-0.50	20.35	<=38.45	Pass
			24	23.10	-0.50	20.45	<=38.45	Pass
		12	0	21.87	-0.50	19.22	<=38.45	Pass
			6	21.92	-0.50	19.27	<=38.45	Pass
			13	21.85	-0.50	19.20	<=38.45	Pass
		25	0	21.88	-0.50	19.23	<=38.45	Pass
	836.5	1	0	22.99	-0.50	20.34	<=38.45	Pass
			13	23.12	-0.50	20.47	<=38.45	Pass
			24	23.04	-0.50	20.39	<=38.45	Pass
		12	0	21.76	-0.50	19.11	<=38.45	Pass
			6	21.78	-0.50	19.13	<=38.45	Pass
			13	21.66	-0.50	19.01	<=38.45	Pass
		25	0	21.70	-0.50	19.05	<=38.45	Pass
	846.5	1	0	23.03	-0.50	20.38	<=38.45	Pass
			13	23.00	-0.50	20.35	<=38.45	Pass
			24	22.72	-0.50	20.07	<=38.45	Pass
		12	0	21.78	-0.50	19.13	<=38.45	Pass
			6	21.77	-0.50	19.12	<=38.45	Pass

64QAM	826.5	25	13	21.59	-0.50	18.94	<=38.45	Pass
			0	21.55	-0.50	18.90	<=38.45	Pass
	826.5	1	0	22.57	-0.50	19.92	<=38.45	Pass
			13	22.81	-0.50	20.16	<=38.45	Pass
			24	22.57	-0.50	19.92	<=38.45	Pass
		12	0	21.74	-0.50	19.09	<=38.45	Pass
			6	21.90	-0.50	19.25	<=38.45	Pass
			13	21.55	-0.50	18.90	<=38.45	Pass
	836.5	25	0	21.86	-0.50	19.21	<=38.45	Pass
			0	22.73	-0.50	20.08	<=38.45	Pass
			13	22.76	-0.50	20.11	<=38.45	Pass
		12	24	22.76	-0.50	20.11	<=38.45	Pass
			0	21.70	-0.50	19.05	<=38.45	Pass
			6	21.56	-0.50	18.91	<=38.45	Pass
256QAM	826.5	1	13	21.86	-0.50	19.21	<=38.45	Pass
			0	21.73	-0.50	19.08	<=38.45	Pass
			0	22.50	-0.50	19.85	<=38.45	Pass
		12	13	22.74	-0.50	20.09	<=38.45	Pass
			24	22.87	-0.50	20.22	<=38.45	Pass
			0	21.75	-0.50	19.10	<=38.45	Pass
	836.5	1	6	21.79	-0.50	19.14	<=38.45	Pass
			13	21.58	-0.50	18.93	<=38.45	Pass
			0	21.78	-0.50	19.13	<=38.45	Pass
		12	0	18.76	-0.50	16.11	<=38.45	Pass
			13	18.36	-0.50	15.71	<=38.45	Pass
			24	18.86	-0.50	16.21	<=38.45	Pass
	846.5	1	0	18.87	-0.50	16.22	<=38.45	Pass
			6	18.80	-0.50	16.15	<=38.45	Pass
			13	18.67	-0.50	16.02	<=38.45	Pass
		12	0	18.89	-0.50	16.24	<=38.45	Pass
			0	18.82	-0.50	16.17	<=38.45	Pass
			13	18.89	-0.50	16.24	<=38.45	Pass
	826.5	1	24	18.59	-0.50	15.94	<=38.45	Pass
			0	18.84	-0.50	16.19	<=38.45	Pass
			6	18.63	-0.50	15.98	<=38.45	Pass
		12	13	18.71	-0.50	16.06	<=38.45	Pass
			0	18.61	-0.50	15.96	<=38.45	Pass
			0	18.31	-0.50	15.66	<=38.45	Pass
	836.5	1	13	18.66	-0.50	16.01	<=38.45	Pass
			24	18.17	-0.50	15.52	<=38.45	Pass
			0	18.73	-0.50	16.08	<=38.45	Pass
		12	6	18.76	-0.50	16.11	<=38.45	Pass
			13	18.77	-0.50	16.12	<=38.45	Pass
			0	18.75	-0.50	16.10	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.26	-0.50	20.61	<=38.45	Pass
			25	23.47	-0.50	20.82	<=38.45	Pass
			49	23.66	-0.50	21.01	<=38.45	Pass
		25	0	22.71	-0.50	20.06	<=38.45	Pass
			13	22.85	-0.50	20.20	<=38.45	Pass
			25	22.72	-0.50	20.07	<=38.45	Pass
		50	0	22.76	-0.50	20.11	<=38.45	Pass

	836.5	1	0	23.16	-0.50	20.51	<=38.45	Pass
			25	23.44	-0.50	20.79	<=38.45	Pass
			49	23.62	-0.50	20.97	<=38.45	Pass
		25	0	22.75	-0.50	20.10	<=38.45	Pass
			13	22.77	-0.50	20.12	<=38.45	Pass
			25	22.69	-0.50	20.04	<=38.45	Pass
		50	0	22.65	-0.50	20.00	<=38.45	Pass
	844	1	0	22.97	-0.50	20.32	<=38.45	Pass
			25	23.36	-0.50	20.71	<=38.45	Pass
			49	23.57	-0.50	20.92	<=38.45	Pass
		25	0	22.72	-0.50	20.07	<=38.45	Pass
			13	22.74	-0.50	20.09	<=38.45	Pass
			25	22.62	-0.50	19.97	<=38.45	Pass
		50	0	22.68	-0.50	20.03	<=38.45	Pass
16QAM	829	1	0	22.94	-0.50	20.29	<=38.45	Pass
			25	23.14	-0.50	20.49	<=38.45	Pass
			49	22.78	-0.50	20.13	<=38.45	Pass
		25	0	21.83	-0.50	19.18	<=38.45	Pass
			13	21.83	-0.50	19.18	<=38.45	Pass
			25	21.80	-0.50	19.15	<=38.45	Pass
		50	0	21.78	-0.50	19.13	<=38.45	Pass
	836.5	1	0	22.58	-0.50	19.93	<=38.45	Pass
			25	22.78	-0.50	20.13	<=38.45	Pass
			49	22.57	-0.50	19.92	<=38.45	Pass
		25	0	21.77	-0.50	19.12	<=38.45	Pass
			13	21.73	-0.50	19.08	<=38.45	Pass
			25	21.57	-0.50	18.92	<=38.45	Pass
		50	0	21.68	-0.50	19.03	<=38.45	Pass
	844	1	0	21.66	-0.50	19.01	<=38.45	Pass
			25	22.44	-0.50	19.79	<=38.45	Pass
			49	22.03	-0.50	19.38	<=38.45	Pass
		25	0	21.68	-0.50	19.03	<=38.45	Pass
			13	21.77	-0.50	19.12	<=38.45	Pass
			25	21.61	-0.50	18.96	<=38.45	Pass
		50	0	21.69	-0.50	19.04	<=38.45	Pass
64QAM	829	1	0	22.80	-0.50	20.15	<=38.45	Pass
			25	22.07	-0.50	19.42	<=38.45	Pass
			49	22.65	-0.50	20.00	<=38.45	Pass
		25	0	21.80	-0.50	19.15	<=38.45	Pass
			13	21.86	-0.50	19.21	<=38.45	Pass
			25	21.75	-0.50	19.10	<=38.45	Pass
		50	0	21.78	-0.50	19.13	<=38.45	Pass
	836.5	1	0	22.45	-0.50	19.80	<=38.45	Pass
			25	22.99	-0.50	20.34	<=38.45	Pass
			49	22.62	-0.50	19.97	<=38.45	Pass
		25	0	21.80	-0.50	19.15	<=38.45	Pass
			13	21.77	-0.50	19.12	<=38.45	Pass
			25	21.79	-0.50	19.14	<=38.45	Pass
		50	0	21.75	-0.50	19.10	<=38.45	Pass
	844	1	0	22.68	-0.50	20.03	<=38.45	Pass
			25	22.68	-0.50	20.03	<=38.45	Pass
			49	22.42	-0.50	19.77	<=38.45	Pass
		25	0	21.70	-0.50	19.05	<=38.45	Pass
			13	21.74	-0.50	19.09	<=38.45	Pass
			25	21.58	-0.50	18.93	<=38.45	Pass
		50	0	21.69	-0.50	19.04	<=38.45	Pass
256QAM	829	1	0	18.76	-0.50	16.11	<=38.45	Pass
			25	18.79	-0.50	16.14	<=38.45	Pass
			49	18.29	-0.50	15.64	<=38.45	Pass

		25	0	18.80	-0.50	16.15	<=38.45	Pass
			13	18.80	-0.50	16.15	<=38.45	Pass
			25	18.72	-0.50	16.07	<=38.45	Pass
		50	0	18.79	-0.50	16.14	<=38.45	Pass
	836.5	1	0	18.66	-0.50	16.01	<=38.45	Pass
			25	18.52	-0.50	15.87	<=38.45	Pass
			49	18.72	-0.50	16.07	<=38.45	Pass
		25	0	18.78	-0.50	16.13	<=38.45	Pass
			13	18.71	-0.50	16.06	<=38.45	Pass
			25	18.71	-0.50	16.06	<=38.45	Pass
		50	0	18.80	-0.50	16.15	<=38.45	Pass
	844	1	0	18.17	-0.50	15.52	<=38.45	Pass
			25	18.84	-0.50	16.19	<=38.45	Pass
			49	18.52	-0.50	15.87	<=38.45	Pass
		25	0	18.66	-0.50	16.01	<=38.45	Pass
			13	18.68	-0.50	16.03	<=38.45	Pass
			25	18.64	-0.50	15.99	<=38.45	Pass
		50	0	18.65	-0.50	16.00	<=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	-1.600	-0.0019	-2.5 to 2.5	Pass
					4.0	-1.400	-0.0017	-2.5 to 2.5	Pass
					4.2	-0.900	-0.0011	-2.5 to 2.5	Pass
				-30	4.0	-1.500	-0.0018	-2.5 to 2.5	Pass
				-20	4.0	-0.900	-0.0011	-2.5 to 2.5	Pass
				-10	4.0	-1.100	-0.0013	-2.5 to 2.5	Pass
				0	4.0	1.100	0.0013	-2.5 to 2.5	Pass
				10	4.0	-1.200	-0.0014	-2.5 to 2.5	Pass
				30	4.0	-2.000	-0.0024	-2.5 to 2.5	Pass
				40	4.0	-1.400	-0.0017	-2.5 to 2.5	Pass
				50	4.0	0.400	0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

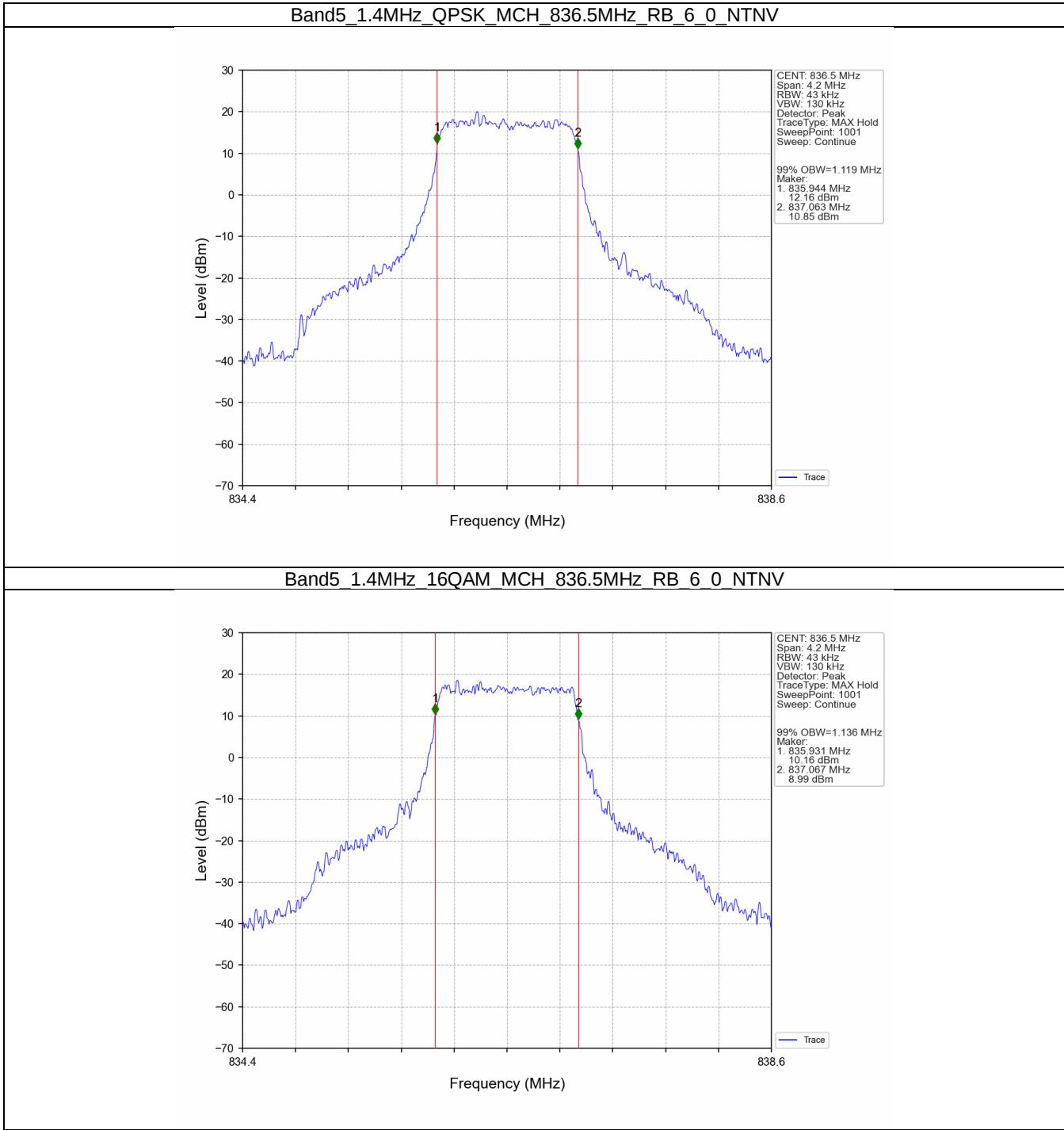
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.119	/	Pass
	16QAM	836.5	6	0	1.136	/	Pass
3	QPSK	836.5	15	0	2.743	/	Pass
	16QAM	836.5	15	0	2.745	/	Pass
5	QPSK	836.5	25	0	4.552	/	Pass
	16QAM	836.5	25	0	4.532	/	Pass
10	QPSK	836.5	50	0	9.083	/	Pass
	16QAM	836.5	50	0	9.089	/	Pass

3.1.2 Band5_XDB

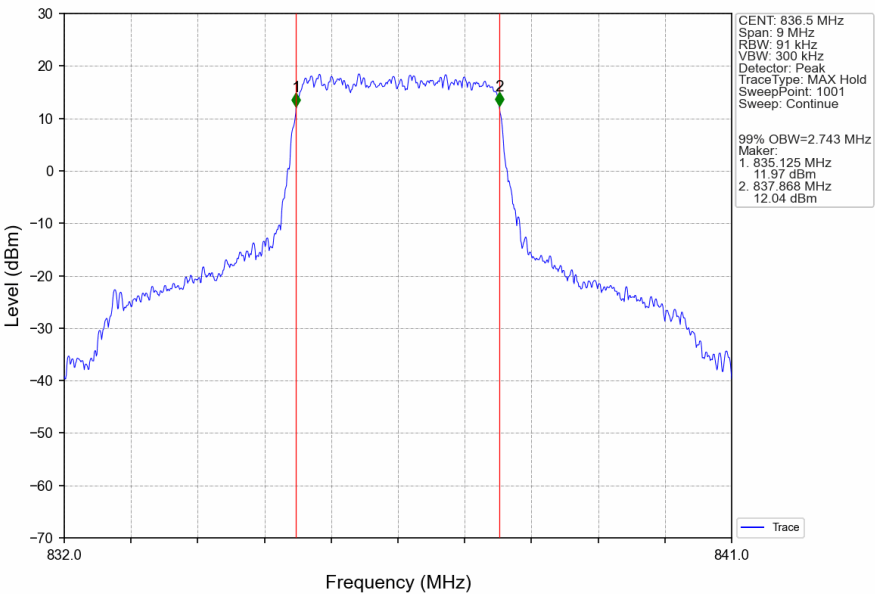
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	836.5	6	0	1.353	/	Pass
	16QAM	836.5	6	0	1.378	/	Pass
3	QPSK	836.5	15	0	3.147	/	Pass
	16QAM	836.5	15	0	3.088	/	Pass
5	QPSK	836.5	25	0	5.217	/	Pass
	16QAM	836.5	25	0	5.150	/	Pass
10	QPSK	836.5	50	0	10.171	/	Pass
	16QAM	836.5	50	0	10.141	/	Pass

3.2 Test Graph

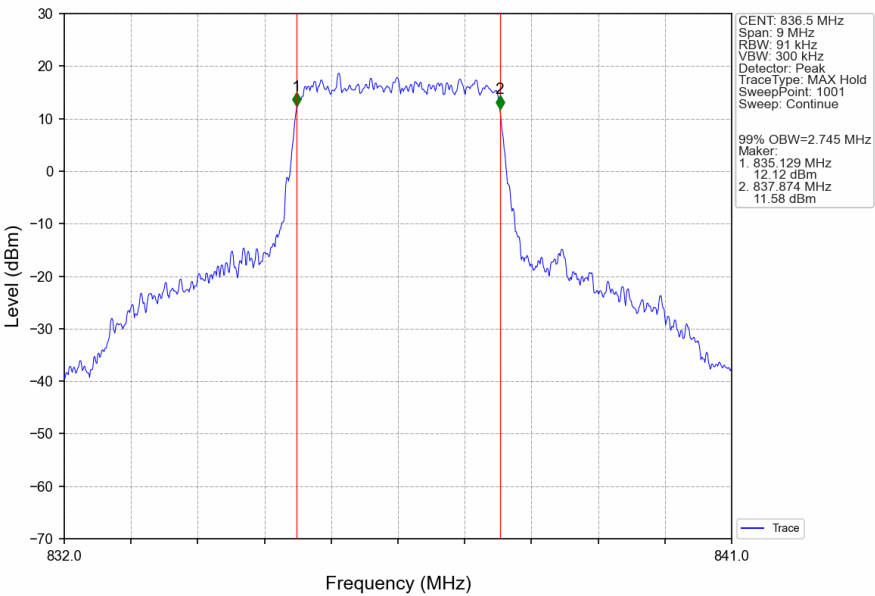
3.2.1 Band5_OBW



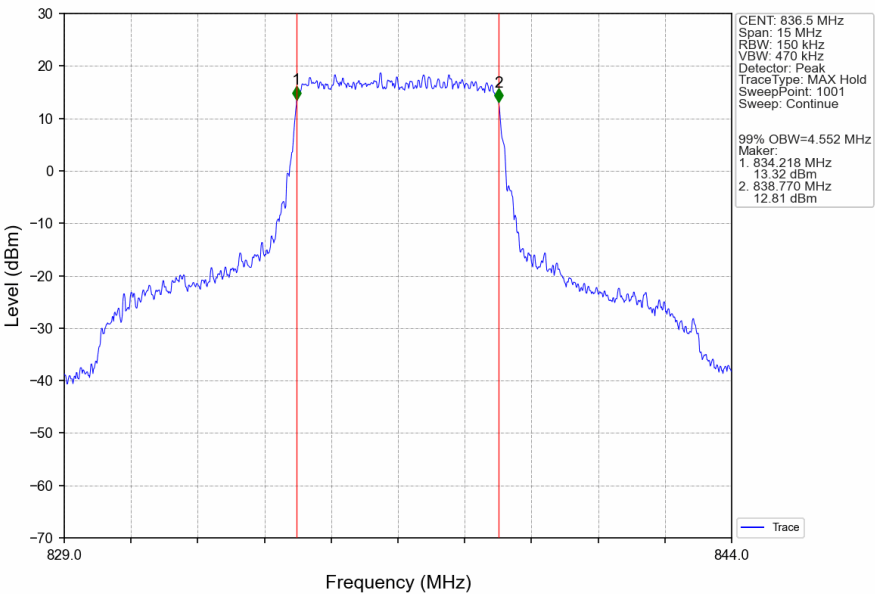
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



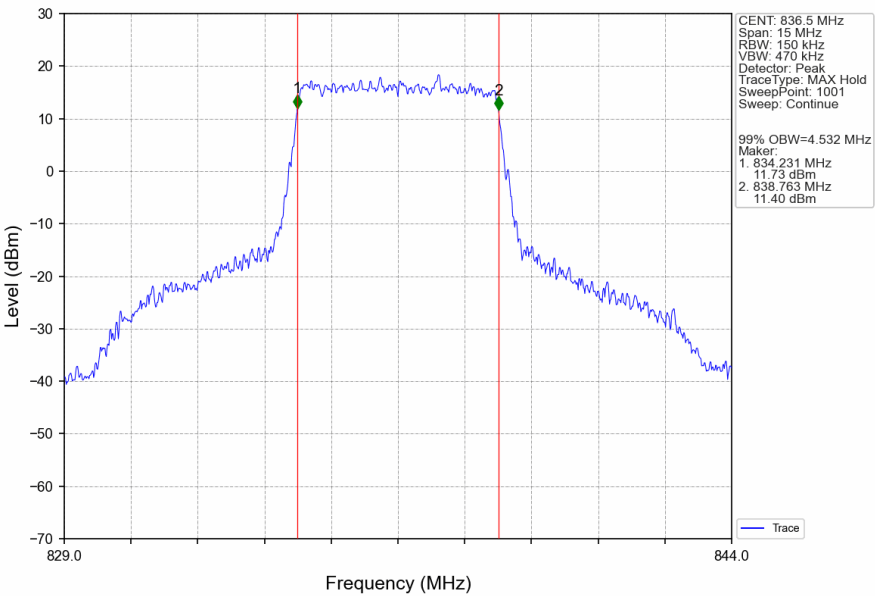
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



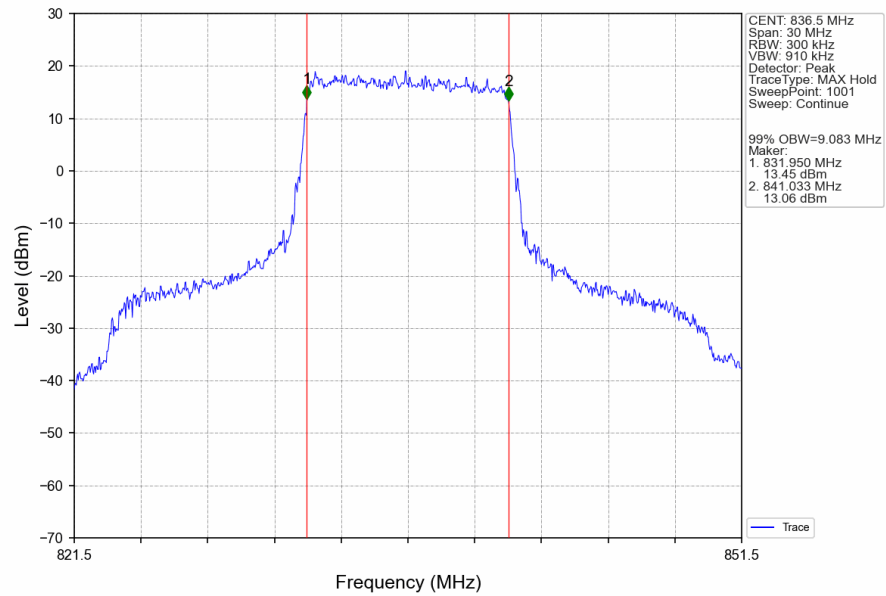
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



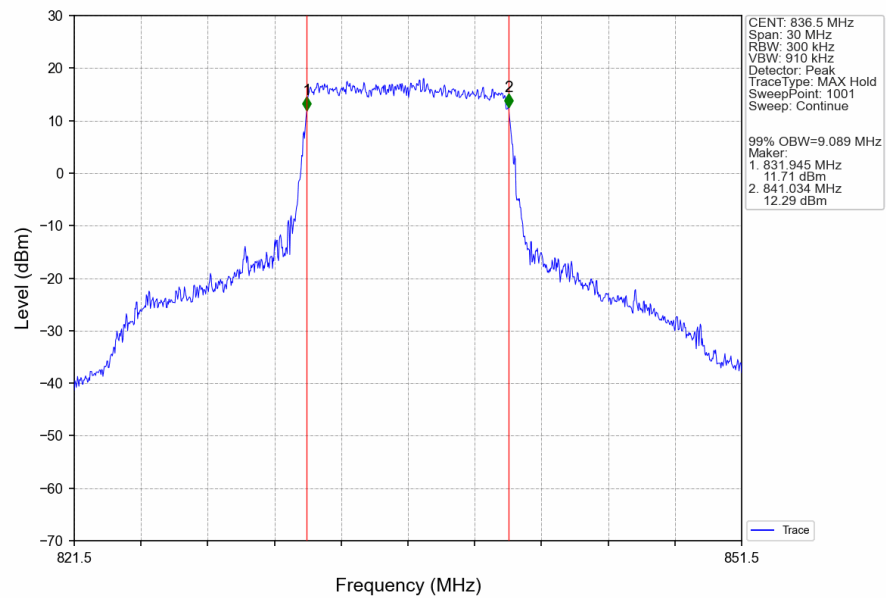
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

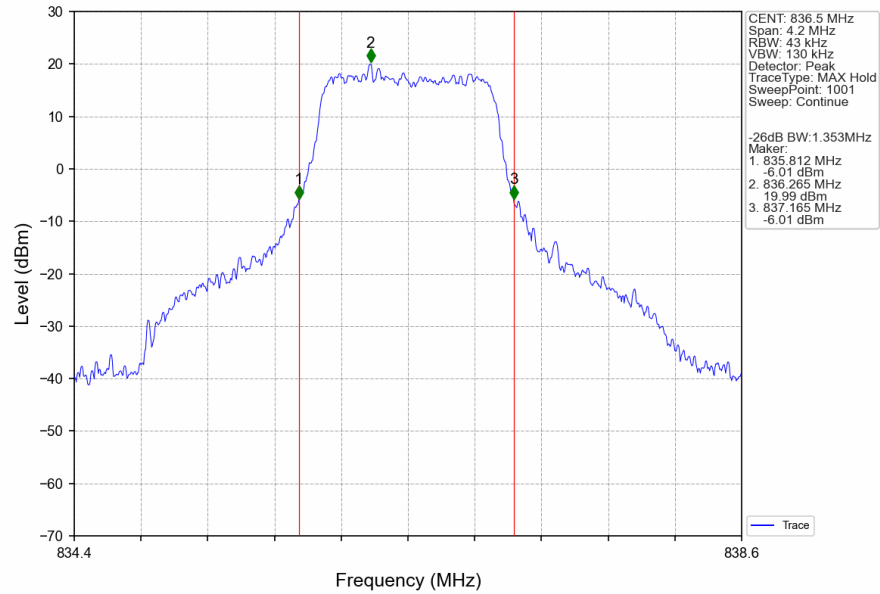


Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

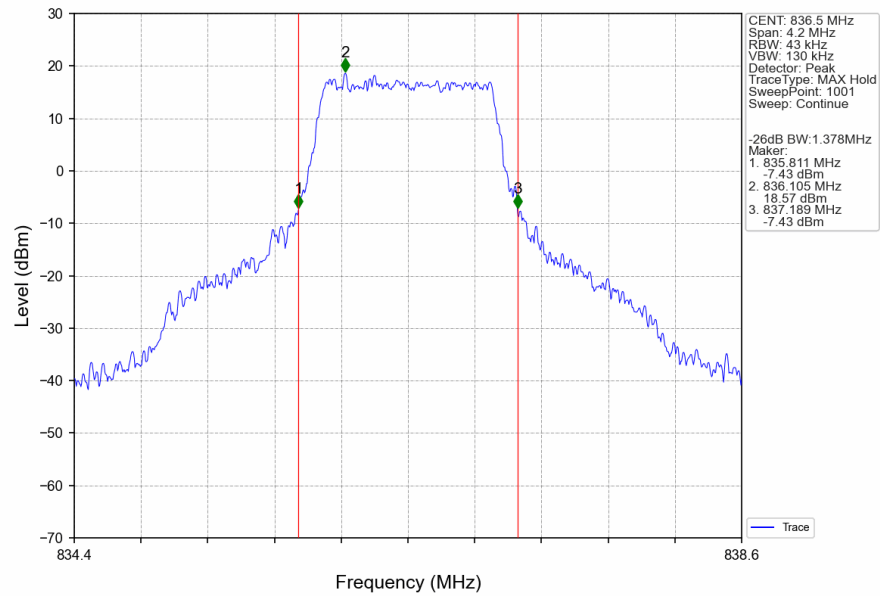


3.2.2 Band5_XDB

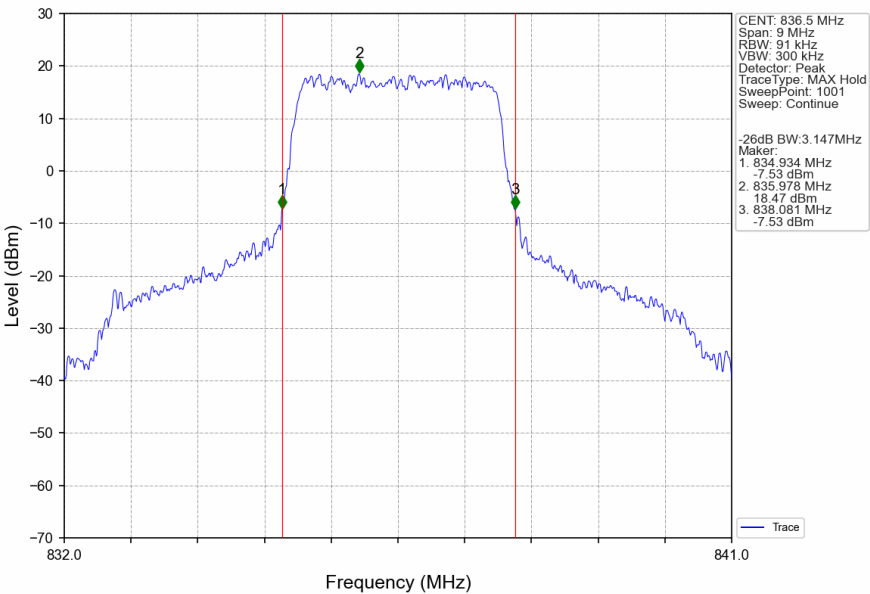
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



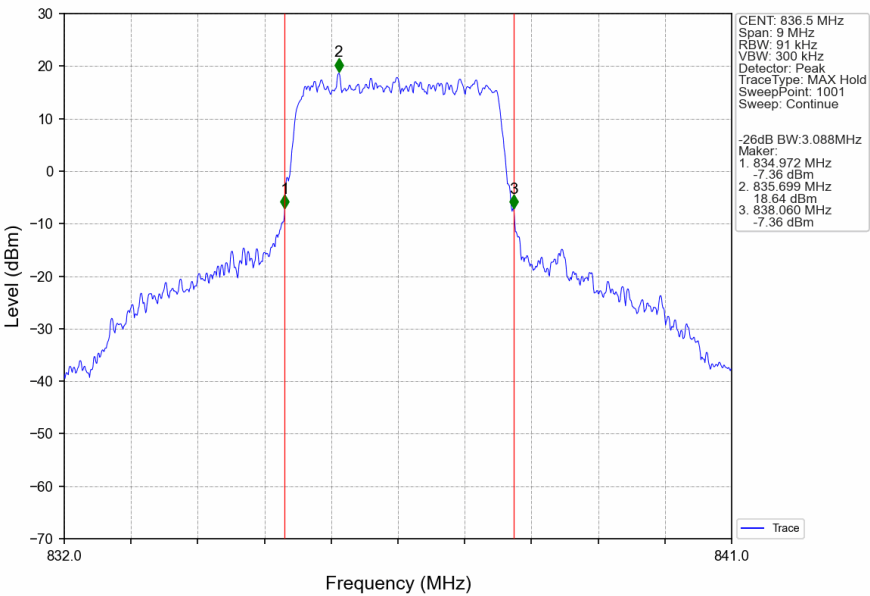
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



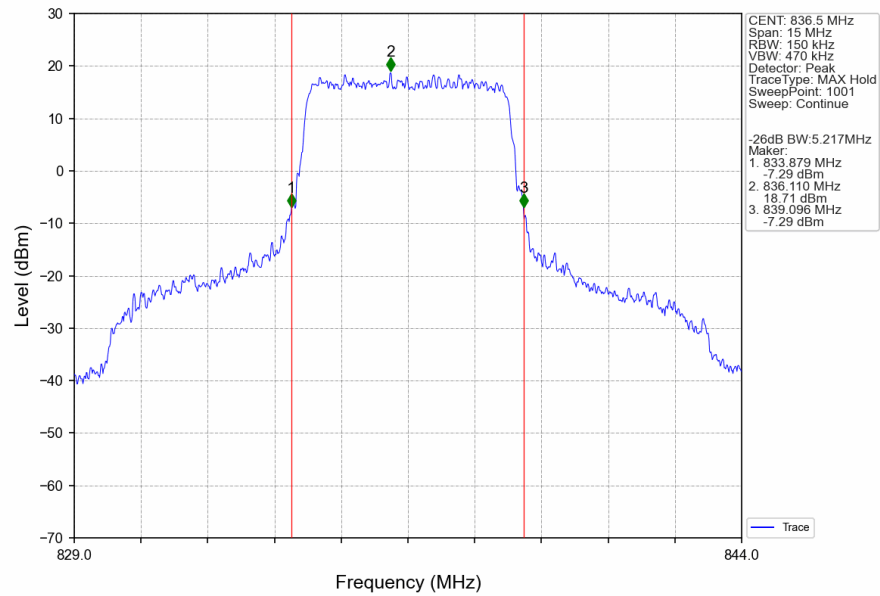
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



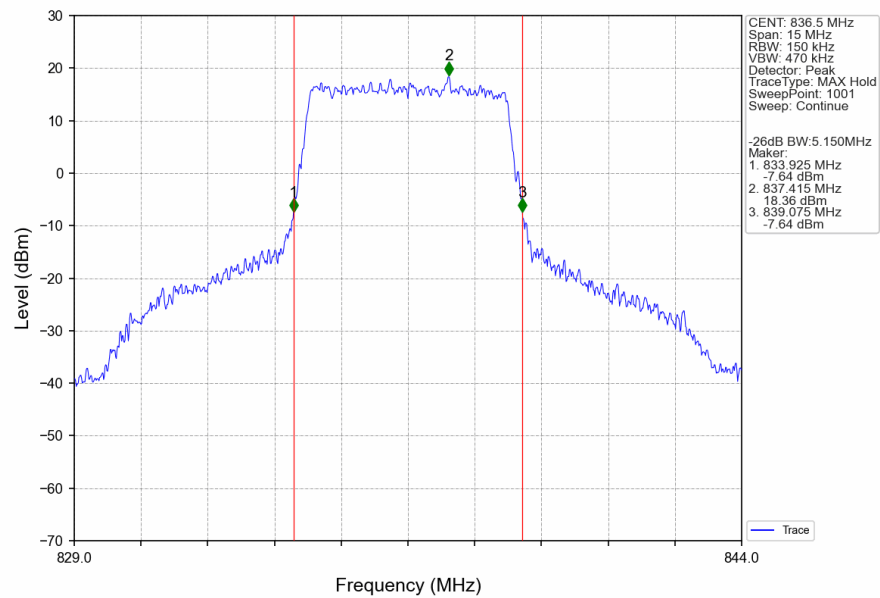
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



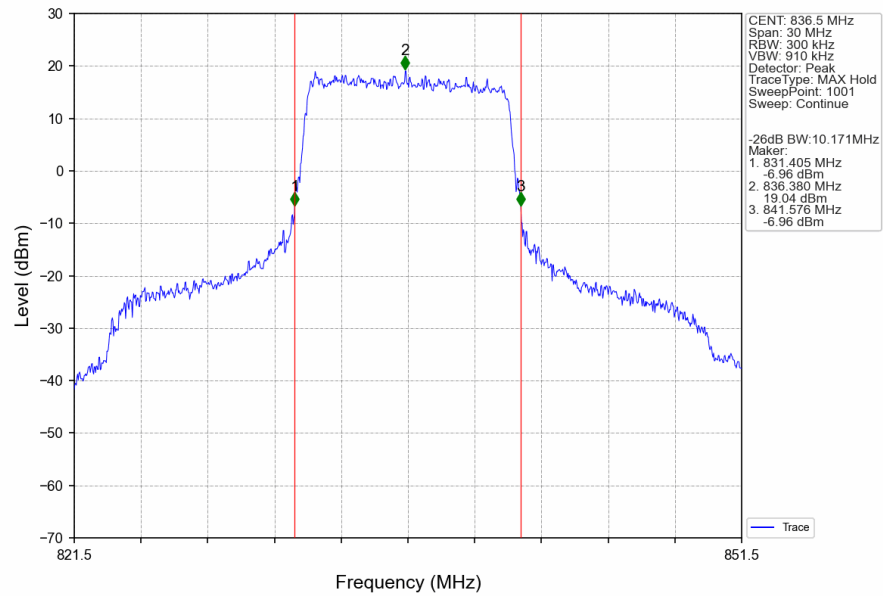
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



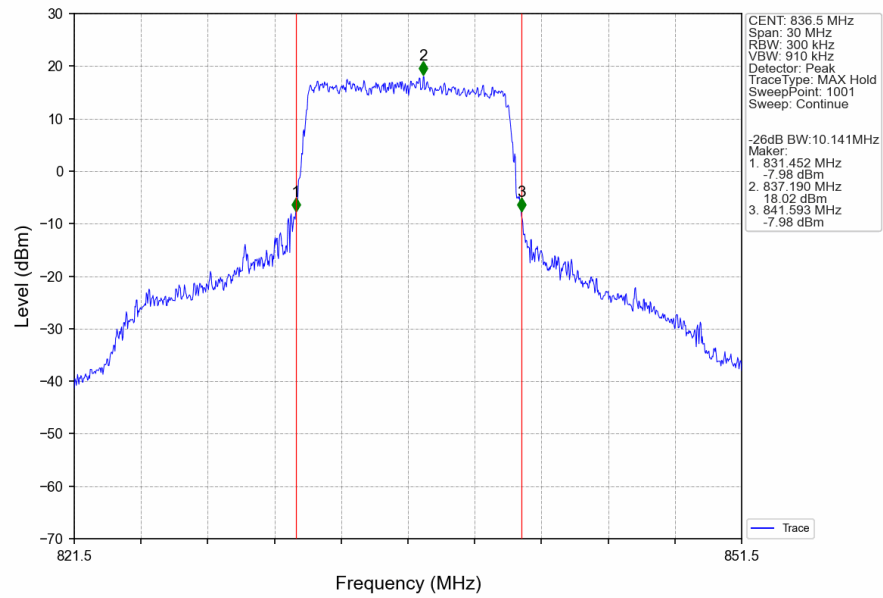
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



4. Peak-Average Ratio

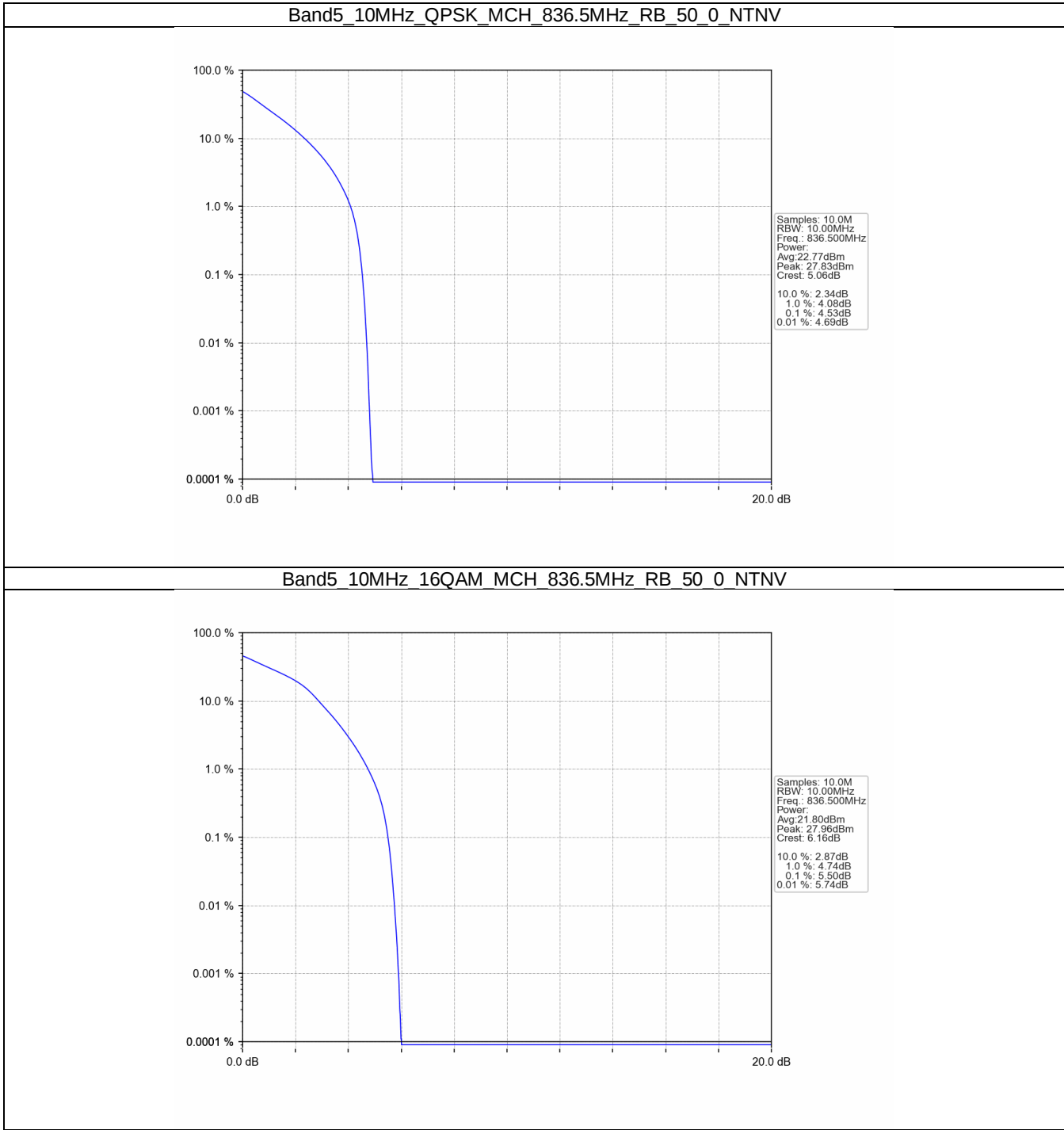
4.1 Test Result

4.1.1 B5_10MHz

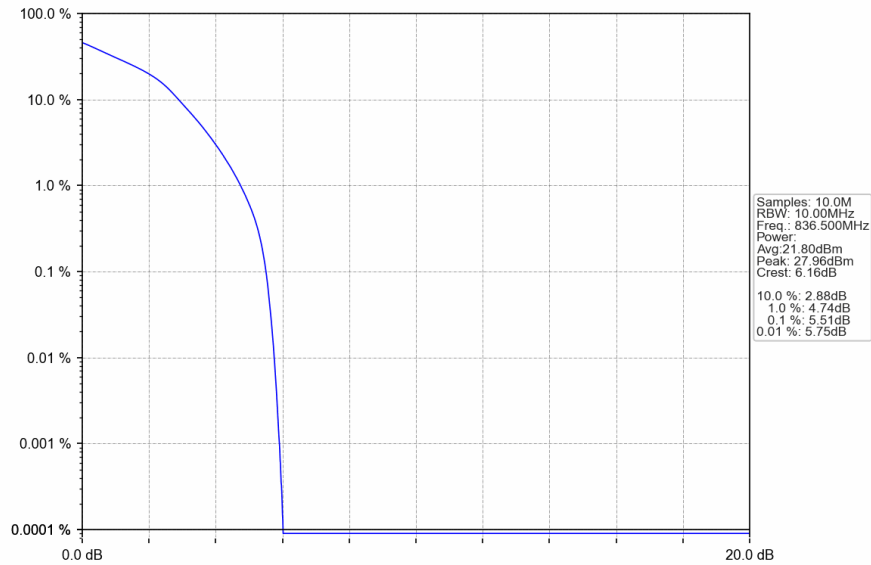
Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	4.53	<=13	Pass
16QAM	836.5	50	0	5.50	<=13	Pass
64QAM	836.5	50	0	5.51	<=13	Pass
256QAM	836.5	50	0	6.43	<=13	Pass

4.2 Test Graph

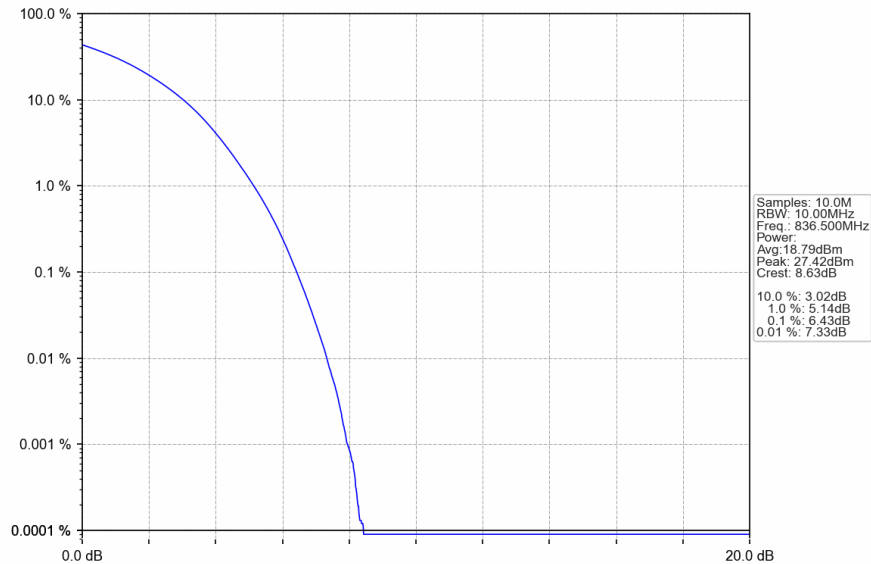
4.2.1 B5_10MHz



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 / 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

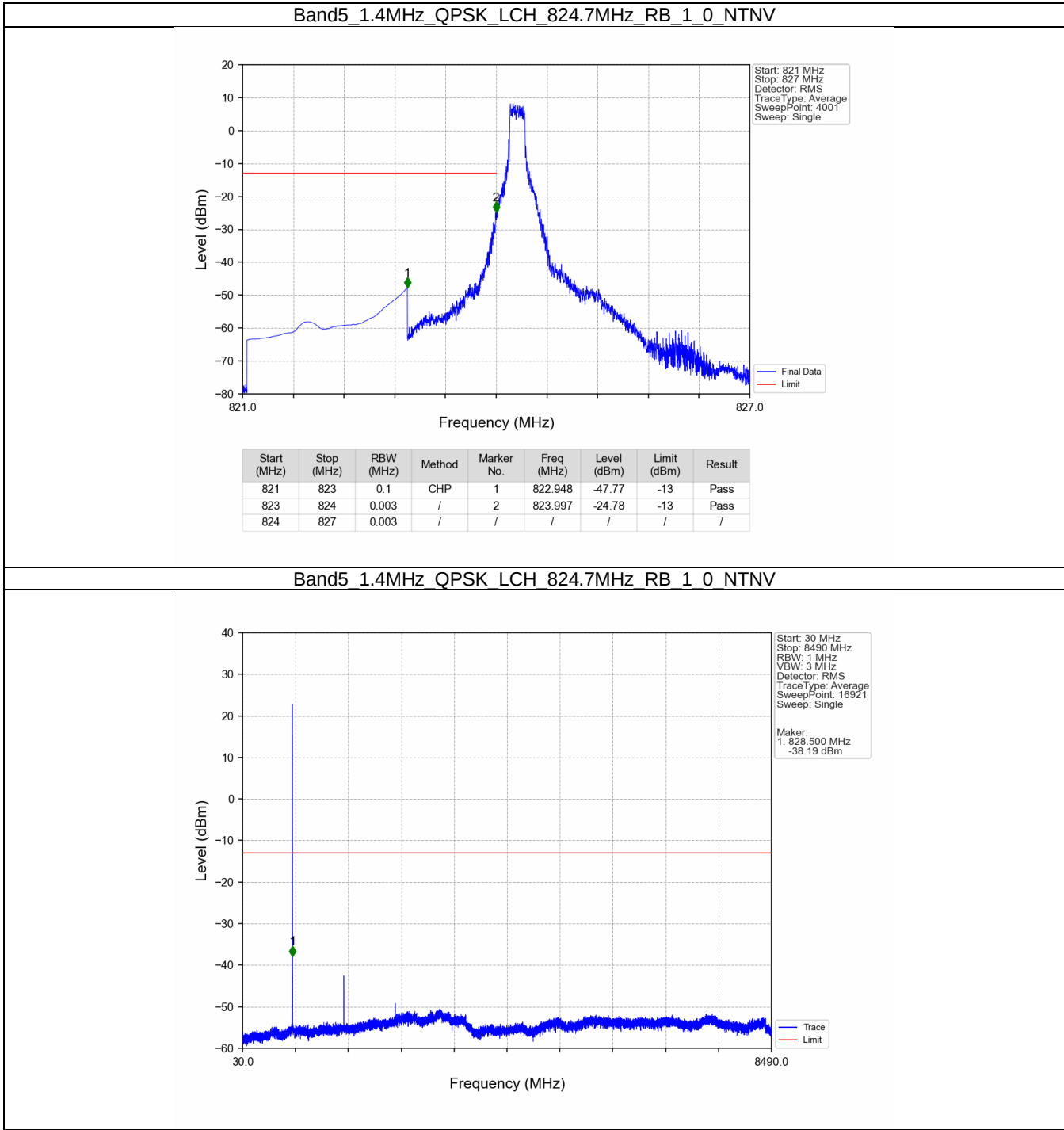
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

5.1.4 B5_10MHz

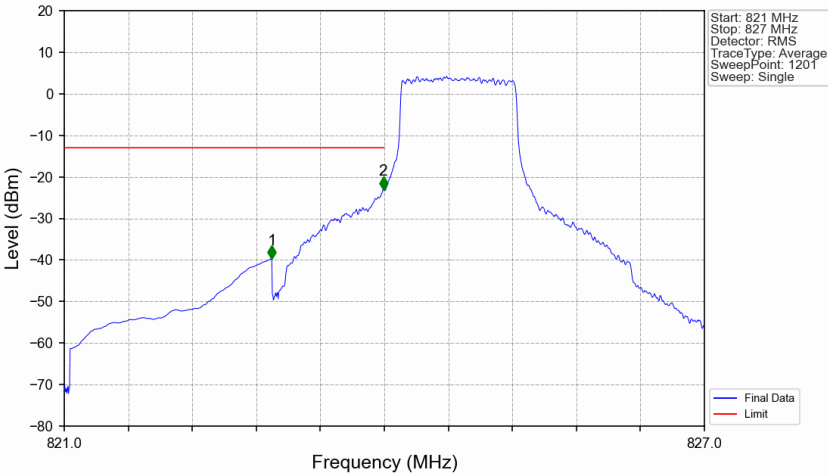
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
	49			Refer To Test Graph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

5.2 Test Graph

5.2.1 B5_1.4MHz

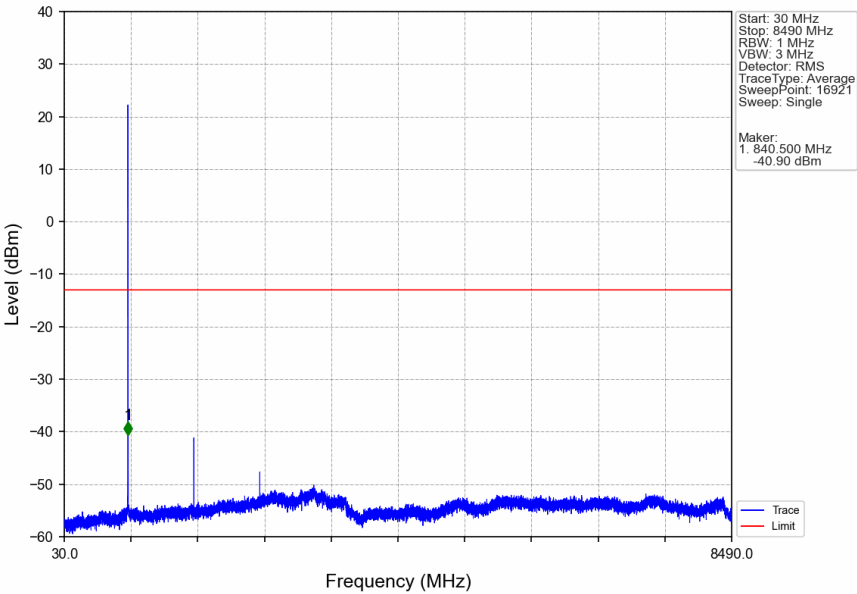


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

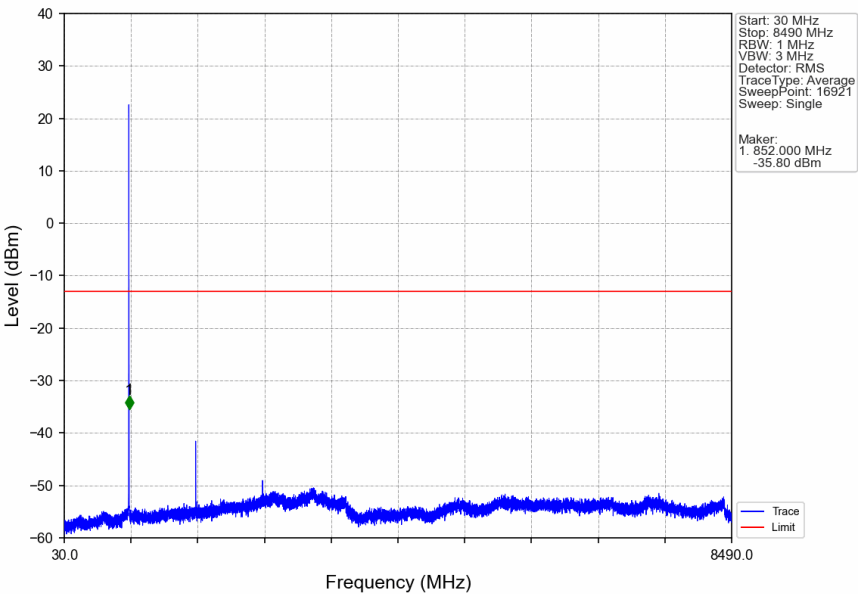


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-39.62	-13	Pass
823	824	0.014	CHP	2	823.990	-23.02	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

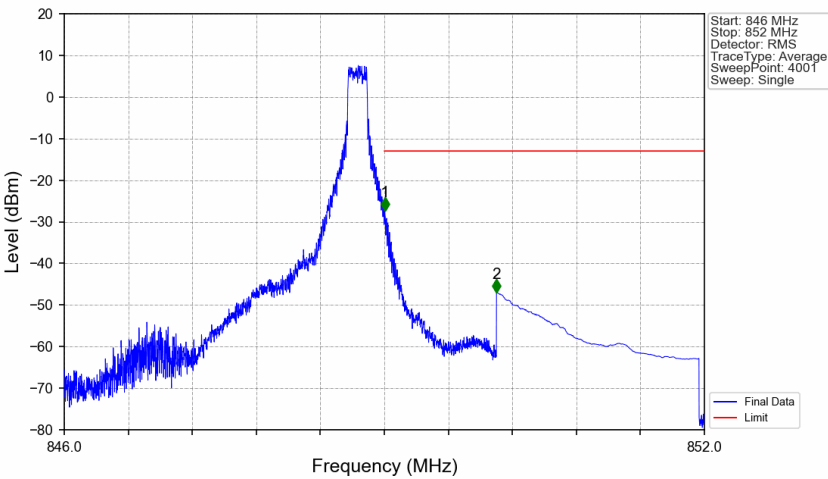
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN

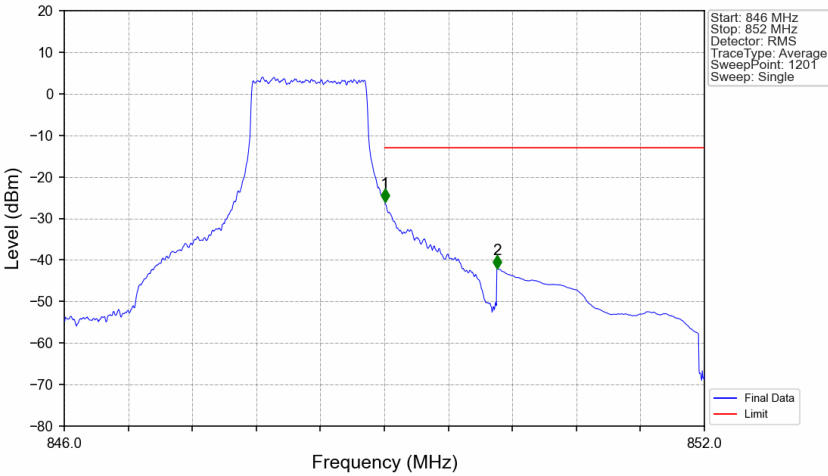


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



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	-27.23	-13	Pass
850	852	0.1	CHP	2	850.052	-46.92	-13	Pass

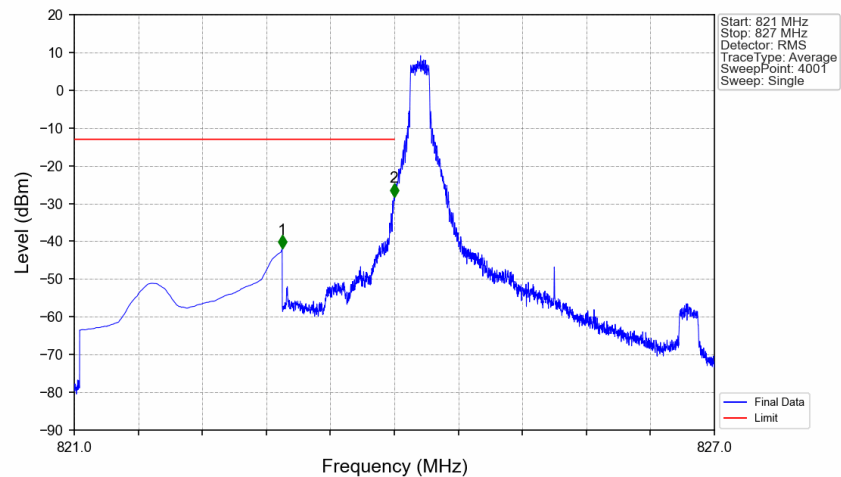
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



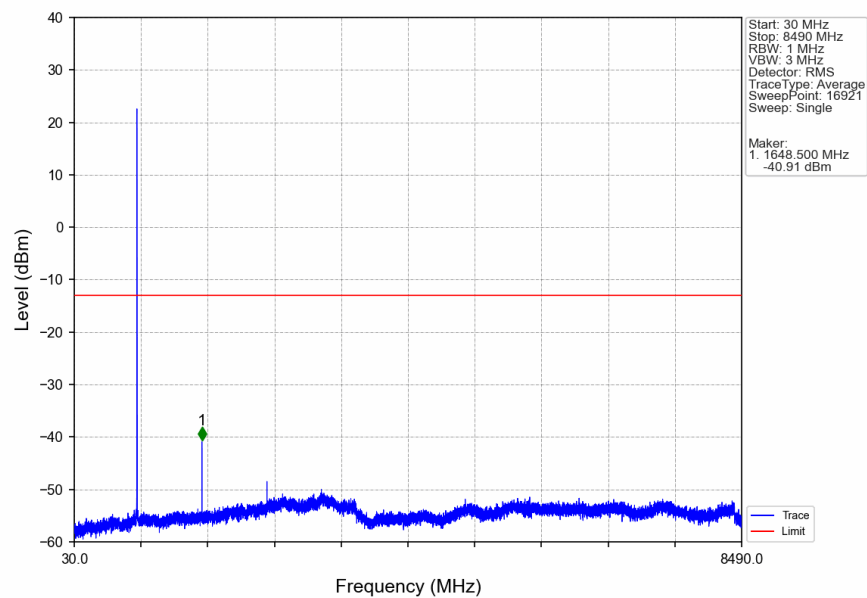
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.014	CHP	/	/	/	/	/
849	850	0.014	CHP	1	849.005	-26.06	-13	Pass
850	852	0.1	CHP	2	850.055	-42.10	-13	Pass

5.2.2 B5_3MHz

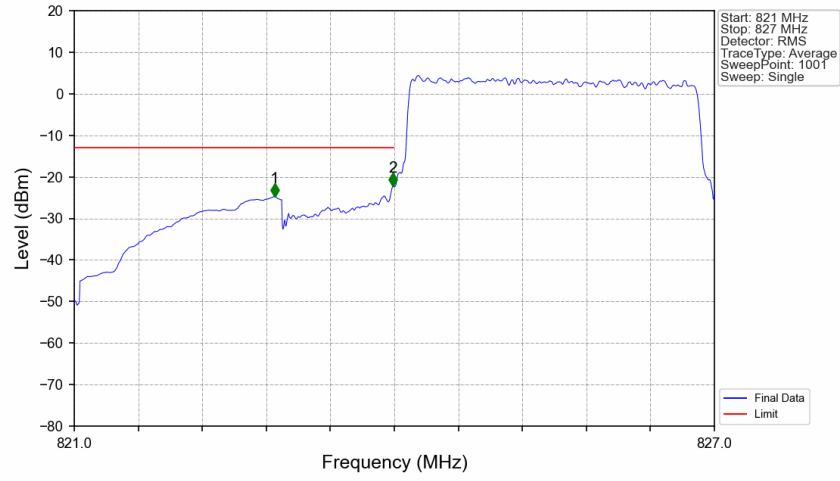
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTNv

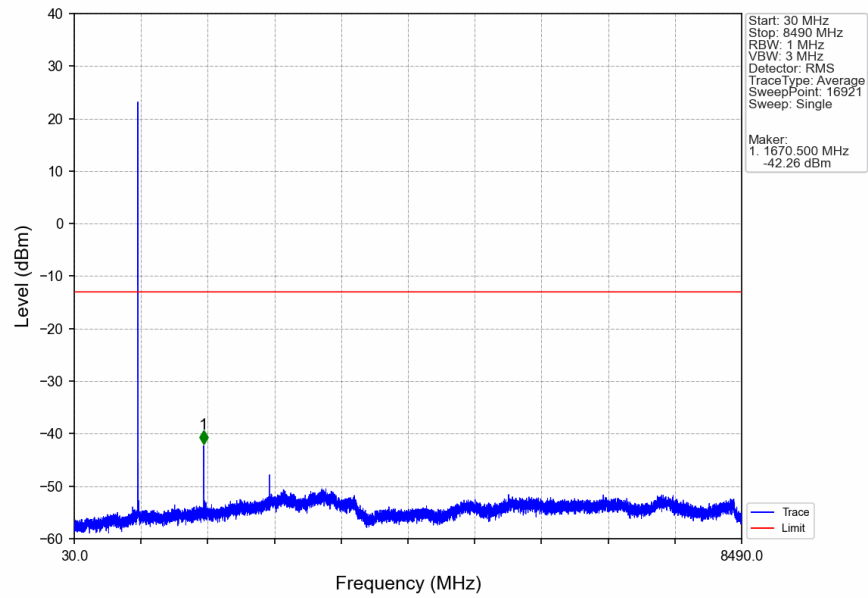


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

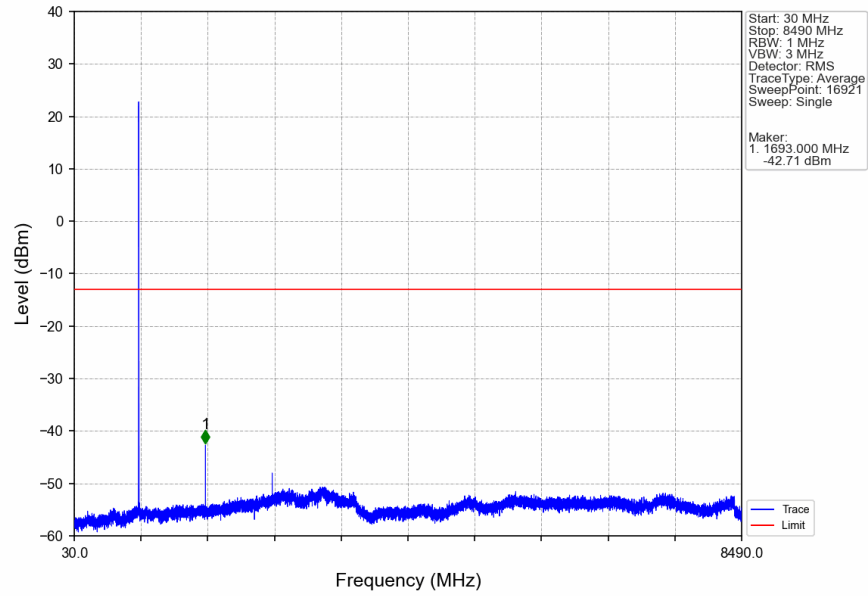


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.878	-24.70	-13	Pass
823	824	0.031	CHP	2	823.988	-22.23	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

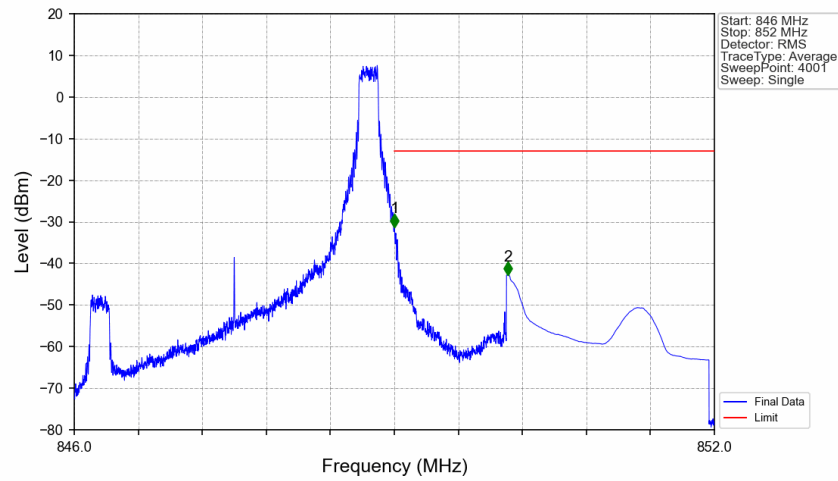
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV

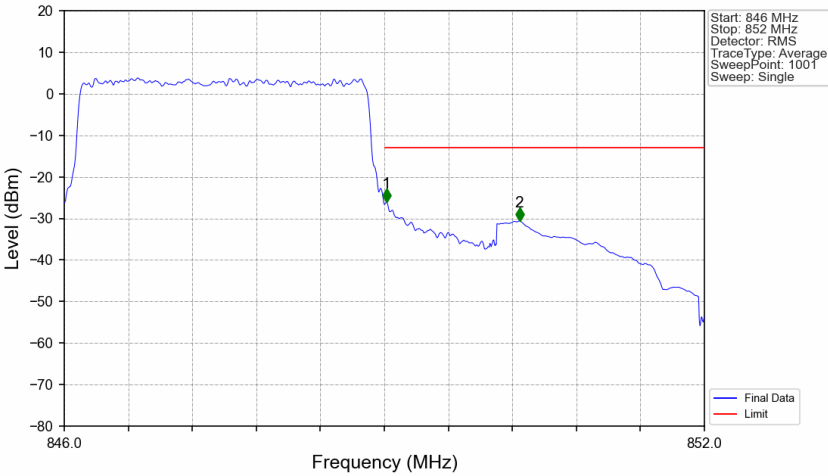


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTNV



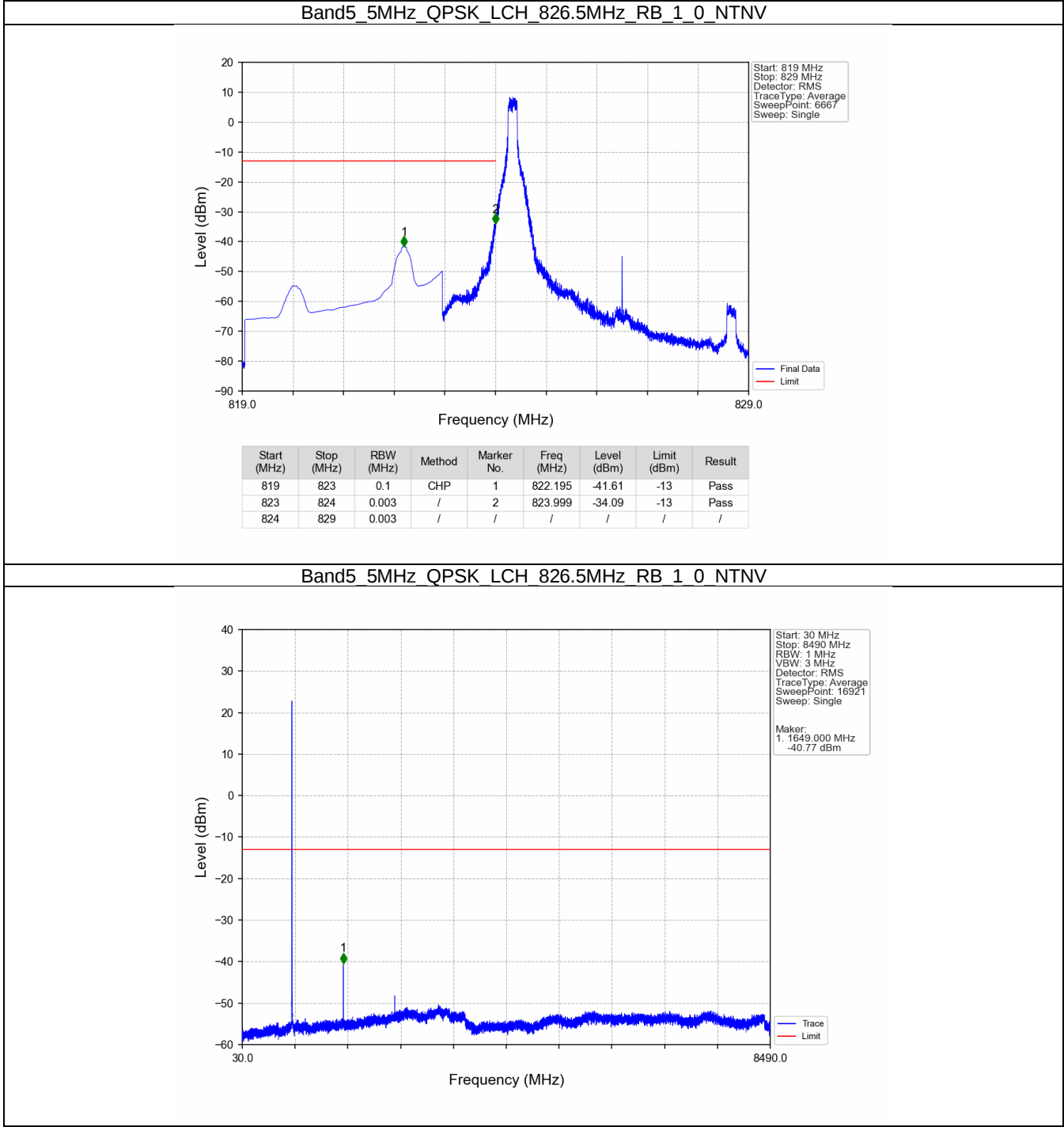
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.22	-13	Pass
850	852	0.1	CHP	2	850.062	-42.80	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN

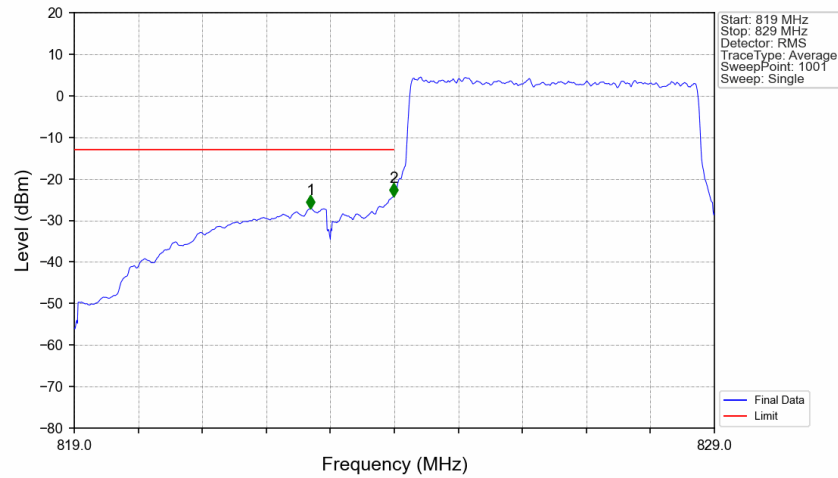


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.018	-26.10	-13	Pass
850	852	0.1	CHP	2	850.266	-30.59	-13	Pass

5.2.3 B5_5MHz

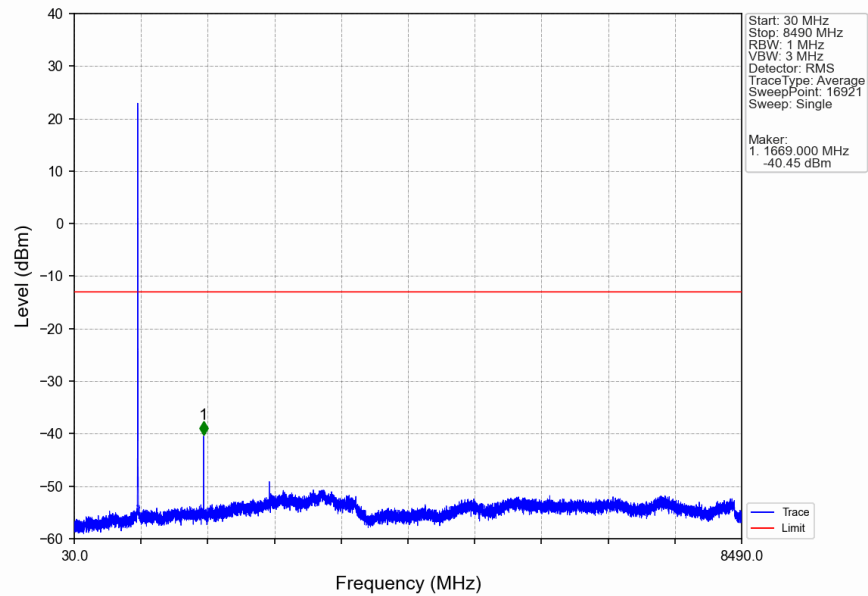


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

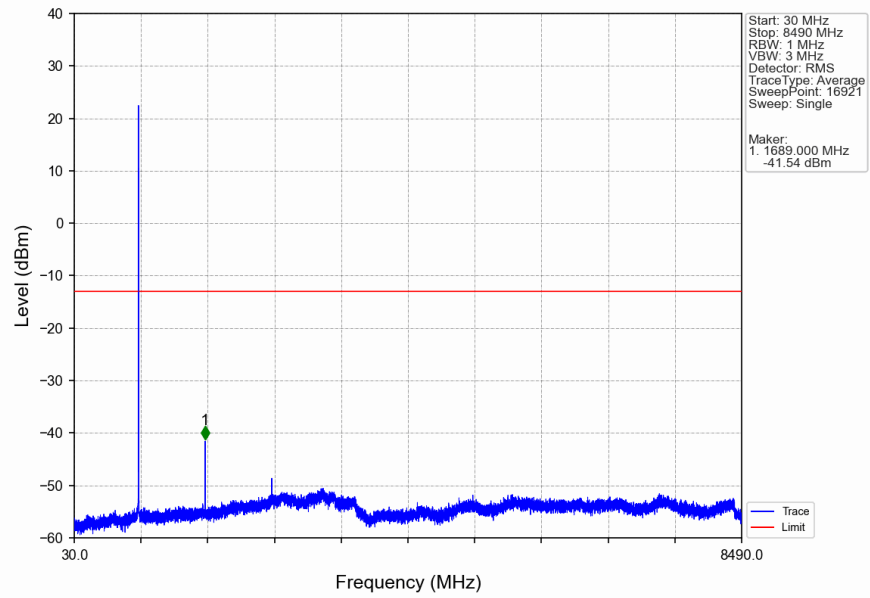


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.690	-27.10	-13	Pass
823	824	0.052	CHP	2	823.990	-24.21	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

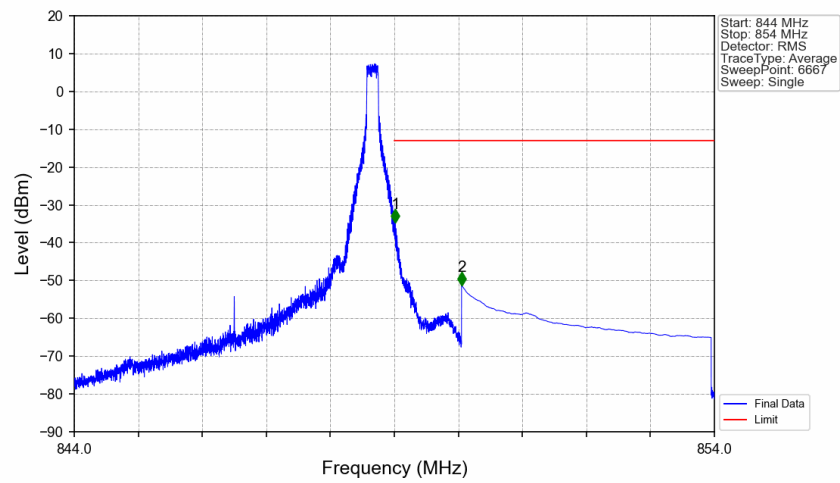
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

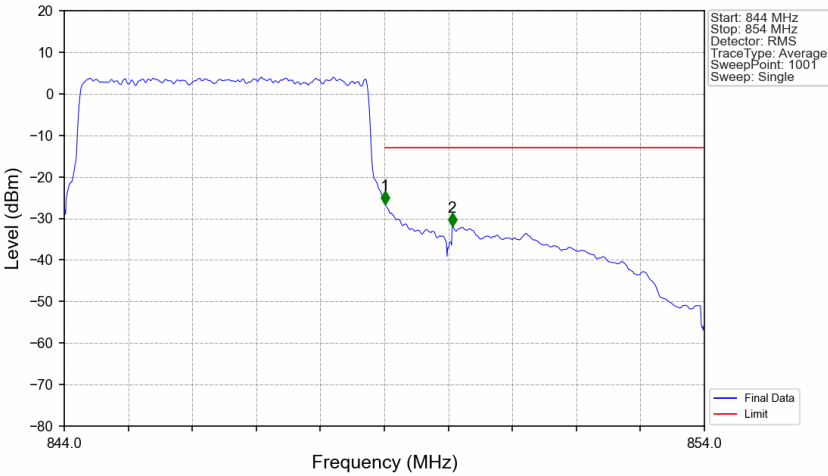


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24 NTN



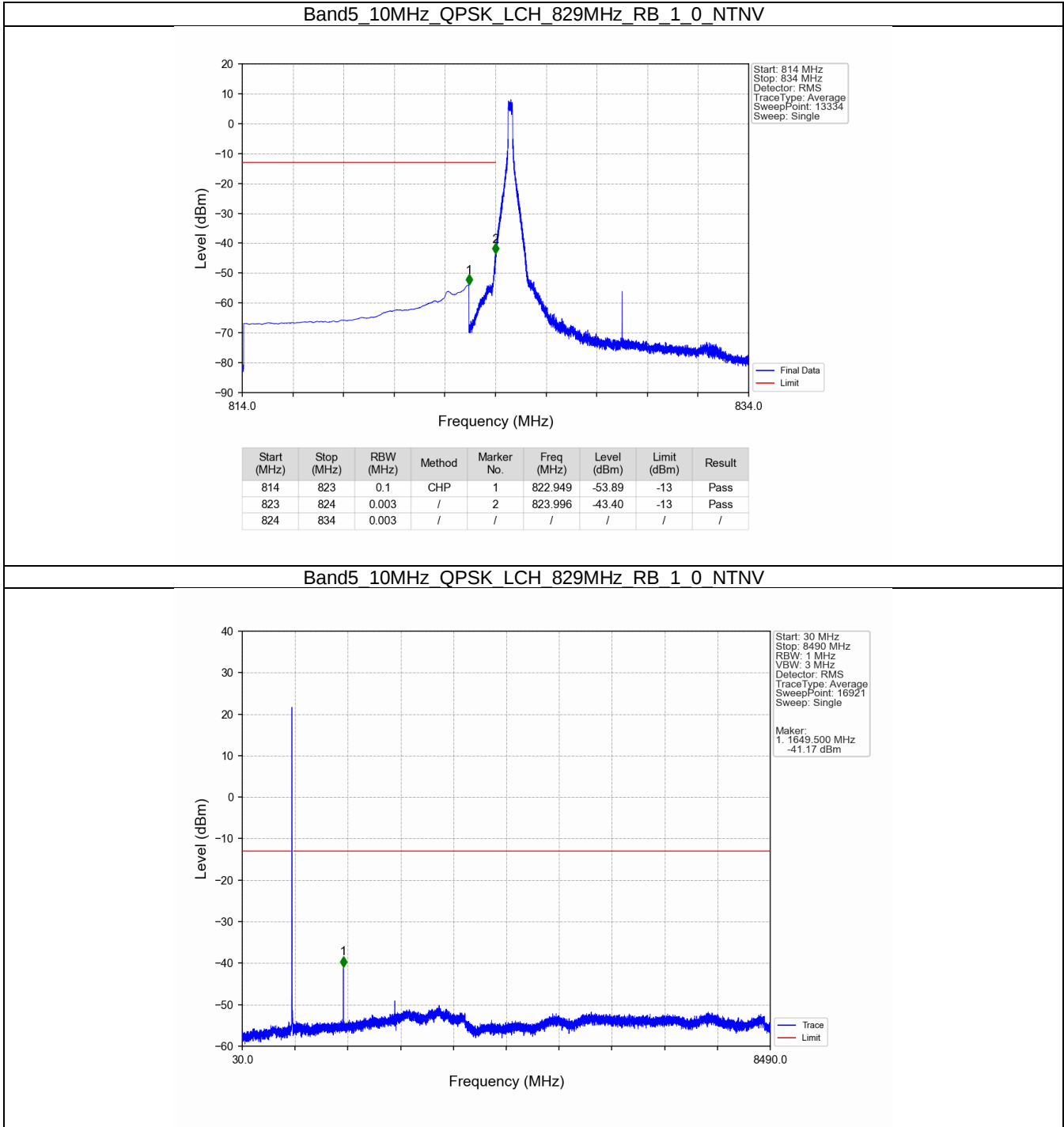
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.014	-34.55	-13	Pass
850	854	0.1	CHP	2	850.050	-51.25	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN

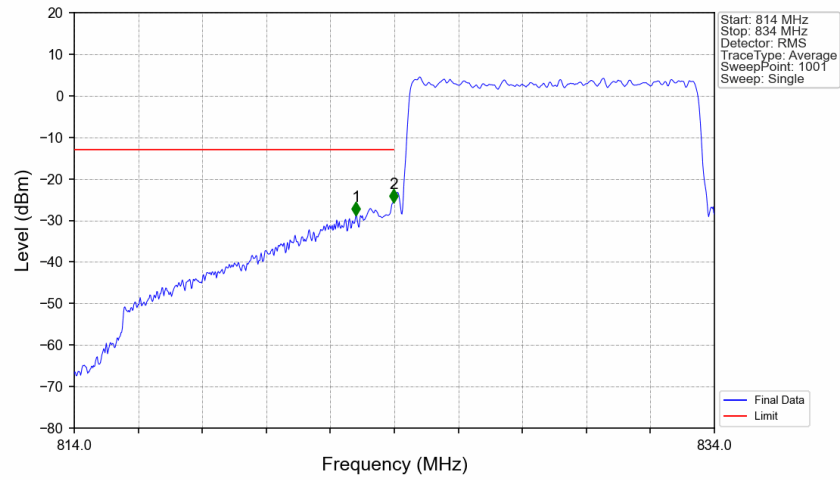


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.010	-26.58	-13	Pass
850	854	0.1	CHP	2	850.060	-31.87	-13	Pass

5.2.4 B5_10MHz

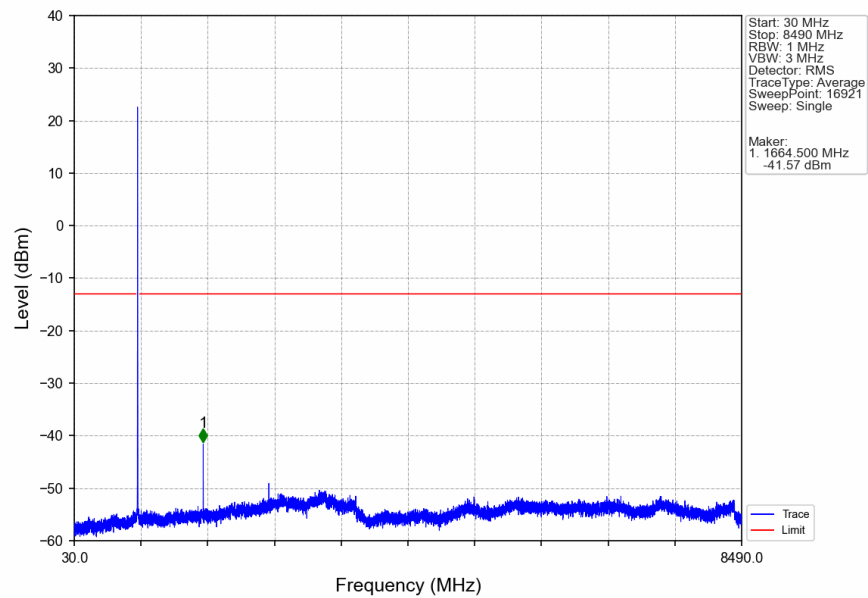


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

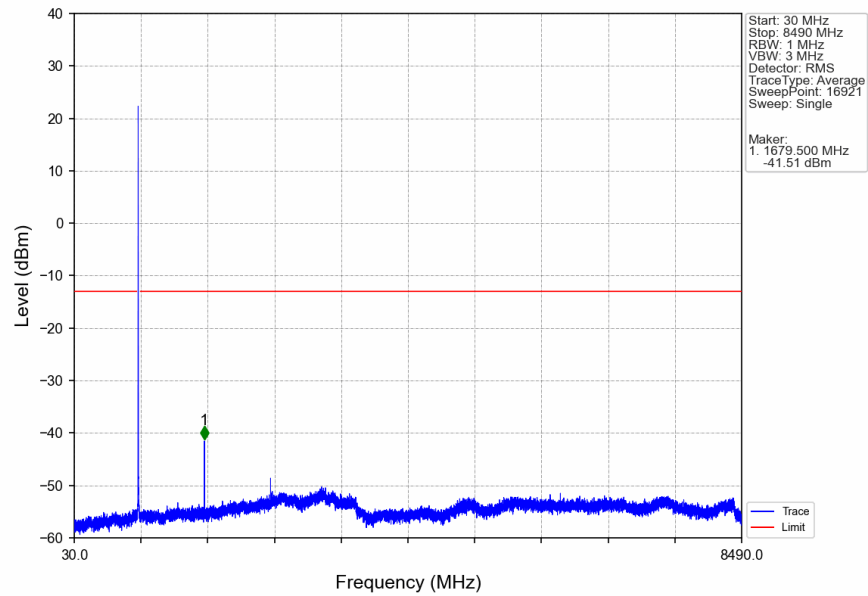


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.800	-28.83	-13	Pass
823	824	0.102	CHP	2	823.980	-25.71	-13	Pass
824	834	0.102	CHP	/	/	/	/	/

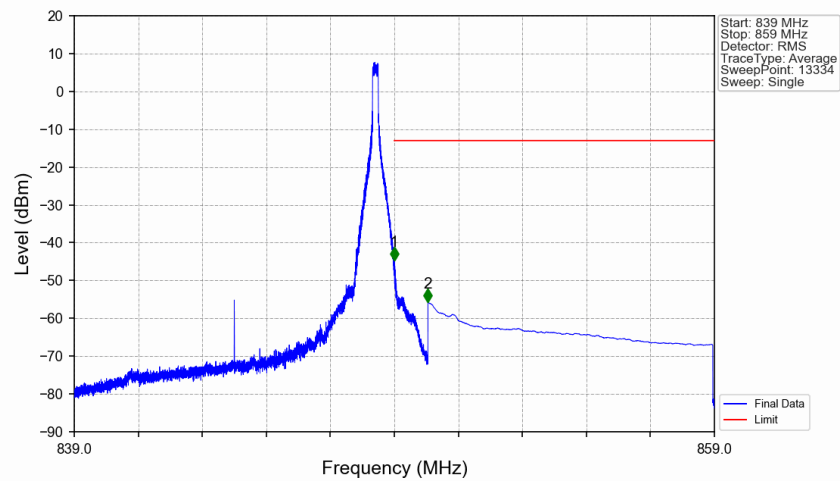
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTN

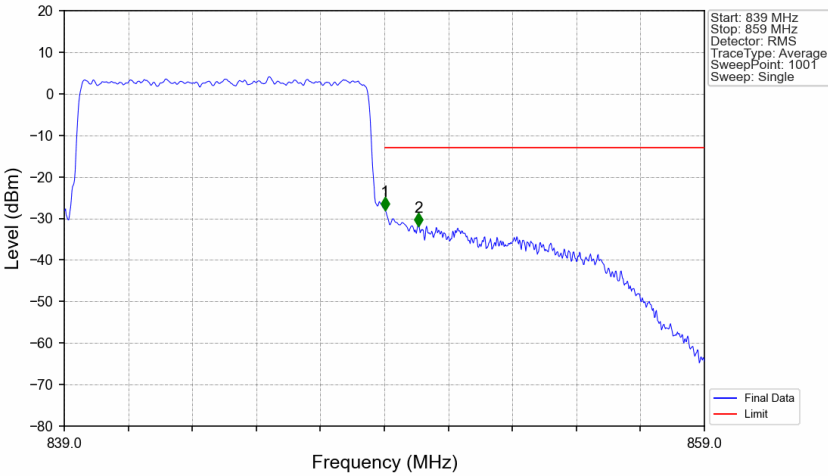


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49 NTN



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	-44.67	-13	Pass
850	859	0.1	CHP	2	850.051	-55.68	-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	-27.99	-13	Pass
850	859	0.1	/	2	850.060	-31.85	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-62.32	-13	-49.32	-65.2	2.62	5.5	Horizontal	Pass
2473.5	-62.31	-13	-49.31	-65.01	3.06	5.76	Horizontal	Pass
3298.0	-57.42	-13	-44.42	-61.78	3.3	7.66	Horizontal	Pass
1649.0	-64.07	-13	-51.07	-66.95	2.62	5.5	Vertical	Pass
2473.5	-60.29	-13	-47.29	-62.99	3.06	5.76	Vertical	Pass
3298.0	-58.8	-13	-45.8	-63.16	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	-63.78	-13	-50.78	-66.62	2.63	5.47	Horizontal	Pass
2496.0	-59.71	-13	-46.71	-62.44	3.08	5.81	Horizontal	Pass
3328.0	-59.05	-13	-46.05	-63.48	3.31	7.74	Horizontal	Pass
1664.0	-62.67	-13	-49.67	-65.51	2.63	5.47	Vertical	Pass
2496.0	-61.04	-13	-48.04	-63.77	3.08	5.81	Vertical	Pass
3328.0	-57.36	-13	-44.36	-61.79	3.31	7.74	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-64.3	-13	-51.3	-67.1	2.63	5.43	Horizontal	Pass
2518.5	-61.47	-13	-48.47	-64.25	3.08	5.86	Horizontal	Pass
3358.0	-56.42	-13	-43.42	-60.91	3.33	7.82	Horizontal	Pass
1679.0	-62.88	-13	-49.88	-65.68	2.63	5.43	Vertical	Pass
2518.5	-61.51	-13	-48.51	-64.29	3.08	5.86	Vertical	Pass
3358.0	-58.04	-13	-45.04	-62.53	3.33	7.82	Vertical	Pass