

Appendix Test Data for LTE_band_5

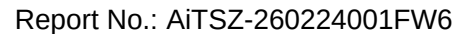
1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.20	0.83	21.88	<=38.45	Pass
			2	23.06	0.83	21.74	<=38.45	Pass
			5	23.00	0.83	21.68	<=38.45	Pass
		3	0	23.59	0.83	22.27	<=38.45	Pass
			2	23.66	0.83	22.34	<=38.45	Pass
			3	23.64	0.83	22.32	<=38.45	Pass
		6	0	22.60	0.83	21.28	<=38.45	Pass
	836.5	1	0	23.14	0.83	21.82	<=38.45	Pass
			2	23.11	0.83	21.79	<=38.45	Pass
			5	23.14	0.83	21.82	<=38.45	Pass
		3	0	23.64	0.83	22.32	<=38.45	Pass
			2	23.63	0.83	22.31	<=38.45	Pass
			3	23.61	0.83	22.29	<=38.45	Pass
		6	0	22.69	0.83	21.37	<=38.45	Pass
	848.3	1	0	22.95	0.83	21.63	<=38.45	Pass
			2	22.92	0.83	21.60	<=38.45	Pass
			5	22.94	0.83	21.62	<=38.45	Pass
		3	0	23.57	0.83	22.25	<=38.45	Pass
			2	23.60	0.83	22.28	<=38.45	Pass
			3	23.59	0.83	22.27	<=38.45	Pass
		6	0	22.56	0.83	21.24	<=38.45	Pass
16QAM	824.7	1	0	22.09	0.83	20.77	<=38.45	Pass
			2	22.12	0.83	20.80	<=38.45	Pass
			5	22.11	0.83	20.79	<=38.45	Pass
		3	0	22.58	0.83	21.26	<=38.45	Pass
			2	22.58	0.83	21.26	<=38.45	Pass
			3	22.58	0.83	21.26	<=38.45	Pass
		6	0	21.45	0.83	20.13	<=38.45	Pass
	836.5	1	0	22.35	0.83	21.03	<=38.45	Pass
			2	22.34	0.83	21.02	<=38.45	Pass
			5	22.33	0.83	21.01	<=38.45	Pass
		3	0	22.66	0.83	21.34	<=38.45	Pass
			2	22.61	0.83	21.29	<=38.45	Pass
			3	22.62	0.83	21.30	<=38.45	Pass
		6	0	21.69	0.83	20.37	<=38.45	Pass
	848.3	1	0	22.04	0.83	20.72	<=38.45	Pass
			2	22.01	0.83	20.69	<=38.45	Pass
			5	22.06	0.83	20.74	<=38.45	Pass
		3	0	22.70	0.83	21.38	<=38.45	Pass
			2	22.75	0.83	21.43	<=38.45	Pass
			3	22.75	0.83	21.43	<=38.45	Pass
		6	0	21.57	0.83	20.25	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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	23.04	0.83	21.72	<=38.45	Pass		
			7	23.00	0.83	21.68	<=38.45	Pass		
			14	23.06	0.83	21.74	<=38.45	Pass		
		8	0	22.55	0.83	21.23	<=38.45	Pass		
			4	22.52	0.83	21.20	<=38.45	Pass		
			7	22.55	0.83	21.23	<=38.45	Pass		
		15	0	22.57	0.83	21.25	<=38.45	Pass		
		836.5	1	0	23.12	0.83	21.80	<=38.45	Pass	
				7	23.13	0.83	21.81	<=38.45	Pass	
	14			23.09	0.83	21.77	<=38.45	Pass		
	8		0	22.63	0.83	21.31	<=38.45	Pass		
			4	22.67	0.83	21.35	<=38.45	Pass		
			7	22.67	0.83	21.35	<=38.45	Pass		
	15	0	22.67	0.83	21.35	<=38.45	Pass			
	847.5	1	0	23.05	0.83	21.73	<=38.45	Pass		
			7	23.05	0.83	21.73	<=38.45	Pass		
			14	23.04	0.83	21.72	<=38.45	Pass		
		8	0	22.52	0.83	21.20	<=38.45	Pass		
			4	22.50	0.83	21.18	<=38.45	Pass		
			7	22.51	0.83	21.19	<=38.45	Pass		
		15	0	22.56	0.83	21.24	<=38.45	Pass		
		16QAM	825.5	1	0	22.09	0.83	20.77	<=38.45	Pass
					7	22.09	0.83	20.77	<=38.45	Pass
	14				22.13	0.83	20.81	<=38.45	Pass	
	8			0	21.63	0.83	20.31	<=38.45	Pass	
				4	21.62	0.83	20.30	<=38.45	Pass	
				7	21.63	0.83	20.31	<=38.45	Pass	
15	0			21.63	0.83	20.31	<=38.45	Pass		
836.5	1			0	22.36	0.83	21.04	<=38.45	Pass	
				7	22.36	0.83	21.04	<=38.45	Pass	
			14	22.32	0.83	21.00	<=38.45	Pass		
	8		0	21.60	0.83	20.28	<=38.45	Pass		
			4	21.62	0.83	20.30	<=38.45	Pass		
			7	21.65	0.83	20.33	<=38.45	Pass		
15	0		21.61	0.83	20.29	<=38.45	Pass			
847.5	1		0	22.56	0.83	21.24	<=38.45	Pass		
			7	22.59	0.83	21.27	<=38.45	Pass		
			14	22.51	0.83	21.19	<=38.45	Pass		
	8		0	21.71	0.83	20.39	<=38.45	Pass		
			4	21.73	0.83	20.41	<=38.45	Pass		
			7	21.70	0.83	20.38	<=38.45	Pass		
	15		0	21.64	0.83	20.32	<=38.45	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

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	23.10	0.83	21.78	<=38.45	Pass		
			13	23.11	0.83	21.79	<=38.45	Pass		
			24	23.17	0.83	21.85	<=38.45	Pass		
		12	0	22.57	0.83	21.25	<=38.45	Pass		
			6	22.57	0.83	21.25	<=38.45	Pass		
			13	22.52	0.83	21.20	<=38.45	Pass		
		25	0	22.55	0.83	21.23	<=38.45	Pass		
		836.5	1	0	23.12	0.83	21.80	<=38.45	Pass	
				13	23.12	0.83	21.80	<=38.45	Pass	
	24			23.13	0.83	21.81	<=38.45	Pass		
	12		0	22.68	0.83	21.36	<=38.45	Pass		
			6	22.66	0.83	21.34	<=38.45	Pass		
			13	22.67	0.83	21.35	<=38.45	Pass		
	25	0	22.68	0.83	21.36	<=38.45	Pass			
	846.5	1	0	23.25	0.83	21.93	<=38.45	Pass		
			13	23.12	0.83	21.80	<=38.45	Pass		
			24	23.23	0.83	21.91	<=38.45	Pass		
		12	0	22.64	0.83	21.32	<=38.45	Pass		
			6	22.55	0.83	21.23	<=38.45	Pass		
			13	22.53	0.83	21.21	<=38.45	Pass		
		25	0	22.61	0.83	21.29	<=38.45	Pass		
		16QAM	826.5	1	0	22.17	0.83	20.85	<=38.45	Pass
					13	22.15	0.83	20.83	<=38.45	Pass
	24				22.21	0.83	20.89	<=38.45	Pass	
12	0			21.54	0.83	20.22	<=38.45	Pass		
	6			21.56	0.83	20.24	<=38.45	Pass		
	13			21.49	0.83	20.17	<=38.45	Pass		
25	0			21.61	0.83	20.29	<=38.45	Pass		
836.5	1			0	22.43	0.83	21.11	<=38.45	Pass	
				13	22.41	0.83	21.09	<=38.45	Pass	
			24	22.39	0.83	21.07	<=38.45	Pass		
	12		0	21.72	0.83	20.40	<=38.45	Pass		
			6	21.68	0.83	20.36	<=38.45	Pass		
			13	21.68	0.83	20.36	<=38.45	Pass		
25	0		21.68	0.83	20.36	<=38.45	Pass			
846.5	1		0	21.88	0.83	20.56	<=38.45	Pass		
			13	21.87	0.83	20.55	<=38.45	Pass		
			24	21.94	0.83	20.62	<=38.45	Pass		
	12		0	21.74	0.83	20.42	<=38.45	Pass		
			6	21.56	0.83	20.24	<=38.45	Pass		
			13	21.53	0.83	20.21	<=38.45	Pass		
	25		0	21.64	0.83	20.32	<=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	23.00	0.83	21.68	<=38.45	Pass
			25	23.14	0.83	21.82	<=38.45	Pass
			49	23.17	0.83	21.85	<=38.45	Pass
		25	0	22.62	0.83	21.30	<=38.45	Pass
			13	22.64	0.83	21.32	<=38.45	Pass
			25	22.58	0.83	21.26	<=38.45	Pass
		50	0	22.64	0.83	21.32	<=38.45	Pass
			0	23.11	0.83	21.79	<=38.45	Pass
			25	23.15	0.83	21.83	<=38.45	Pass
	836.5	1	49	23.07	0.83	21.75	<=38.45	Pass
			0	22.71	0.83	21.39	<=38.45	Pass
			13	22.65	0.83	21.33	<=38.45	Pass
		25	25	22.69	0.83	21.37	<=38.45	Pass
			0	22.74	0.83	21.42	<=38.45	Pass
			0	23.14	0.83	21.82	<=38.45	Pass
		25	25	23.10	0.83	21.78	<=38.45	Pass
			49	23.02	0.83	21.70	<=38.45	Pass
			0	22.68	0.83	21.36	<=38.45	Pass
16QAM	829	1	13	22.56	0.83	21.24	<=38.45	Pass
			25	22.50	0.83	21.18	<=38.45	Pass
			0	22.64	0.83	21.32	<=38.45	Pass
		25	0	22.02	0.83	20.70	<=38.45	Pass
			25	22.15	0.83	20.83	<=38.45	Pass
			49	22.17	0.83	20.85	<=38.45	Pass
		50	0	21.70	0.83	20.38	<=38.45	Pass
			13	21.73	0.83	20.41	<=38.45	Pass
			25	21.66	0.83	20.34	<=38.45	Pass
	836.5	1	0	21.61	0.83	20.29	<=38.45	Pass
			0	22.31	0.83	20.99	<=38.45	Pass
			25	22.35	0.83	21.03	<=38.45	Pass
		25	49	22.25	0.83	20.93	<=38.45	Pass
			0	21.72	0.83	20.40	<=38.45	Pass
			13	21.72	0.83	20.40	<=38.45	Pass
		50	25	21.76	0.83	20.44	<=38.45	Pass
			0	21.76	0.83	20.44	<=38.45	Pass
			0	22.64	0.83	21.32	<=38.45	Pass
	844	1	25	22.57	0.83	21.25	<=38.45	Pass
			49	22.48	0.83	21.16	<=38.45	Pass
			0	21.73	0.83	20.41	<=38.45	Pass
		25	13	21.65	0.83	20.33	<=38.45	Pass
			25	21.57	0.83	20.25	<=38.45	Pass
			0	21.65	0.83	20.33	<=38.45	Pass
		50	0	21.65	0.83	20.33	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.15	1.545	0.0019	-2.5 to 2.5	Pass
					3.80	1.974	0.0024	-2.5 to 2.5	Pass
					4.26	-0.572	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-0.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.80	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.80	4.549	0.0055	-2.5 to 2.5	Pass
				0	3.80	1.216	0.0015	-2.5 to 2.5	Pass
				10	3.80	2.275	0.0028	-2.5 to 2.5	Pass
				30	3.80	3.819	0.0046	-2.5 to 2.5	Pass
				40	3.80	2.146	0.0026	-2.5 to 2.5	Pass
				50	3.80	3.562	0.0043	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	-0.701	-0.0008	-2.5 to 2.5	Pass
					3.80	-2.732	-0.0033	-2.5 to 2.5	Pass
					4.26	-2.289	-0.0027	-2.5 to 2.5	Pass
				-30	3.80	-3.948	-0.0047	-2.5 to 2.5	Pass
				-20	3.80	2.918	0.0035	-2.5 to 2.5	Pass
				-10	3.80	-1.602	-0.0019	-2.5 to 2.5	Pass
				0	3.80	-1.788	-0.0021	-2.5 to 2.5	Pass
				10	3.80	-4.106	-0.0049	-2.5 to 2.5	Pass
				30	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				40	3.80	-3.905	-0.0047	-2.5 to 2.5	Pass
				50	3.80	-3.047	-0.0036	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	4.449	0.0052	-2.5 to 2.5	Pass
					3.80	0.129	0.0002	-2.5 to 2.5	Pass
					4.26	-2.975	-0.0035	-2.5 to 2.5	Pass
				-30	3.80	4.091	0.0048	-2.5 to 2.5	Pass
				-20	3.80	-3.548	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-1.230	-0.0014	-2.5 to 2.5	Pass
				0	3.80	2.918	0.0034	-2.5 to 2.5	Pass
				10	3.80	3.633	0.0043	-2.5 to 2.5	Pass
				30	3.80	1.302	0.0015	-2.5 to 2.5	Pass
				40	3.80	-1.330	-0.0016	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.15	-0.286	-0.0003	-2.5 to 2.5	Pass
					3.80	4.621	0.0056	-2.5 to 2.5	Pass
					4.26	4.106	0.0050	-2.5 to 2.5	Pass
				-30	3.80	-1.659	-0.0020	-2.5 to 2.5	Pass
				-20	3.80	-1.016	-0.0012	-2.5 to 2.5	Pass
				-10	3.80	-4.992	-0.0061	-2.5 to 2.5	Pass
				0	3.80	2.975	0.0036	-2.5 to 2.5	Pass
				10	3.80	-1.802	-0.0022	-2.5 to 2.5	Pass
				30	3.80	2.360	0.0029	-2.5 to 2.5	Pass
				40	3.80	3.133	0.0038	-2.5 to 2.5	Pass
				50	3.80	-2.260	-0.0027	-2.5 to 2.5	Pass
	836.5	6	0	20	3.15	-5.250	-0.0063	-2.5 to 2.5	Pass
					3.80	-2.518	-0.0030	-2.5 to 2.5	Pass
					4.26	1.488	0.0018	-2.5 to 2.5	Pass
				-30	3.80	-4.706	-0.0056	-2.5 to 2.5	Pass
				-20	3.80	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	3.80	-1.788	-0.0021	-2.5 to 2.5	Pass

				0	3.80	-4.363	-0.0052	-2.5 to 2.5	Pass
				10	3.80	-0.815	-0.0010	-2.5 to 2.5	Pass
				30	3.80	1.788	0.0021	-2.5 to 2.5	Pass
				40	3.80	-5.193	-0.0062	-2.5 to 2.5	Pass
				50	3.80	-2.933	-0.0035	-2.5 to 2.5	Pass
	848.3	6	0	20	3.15	1.273	0.0015	-2.5 to 2.5	Pass
					3.80	0.358	0.0004	-2.5 to 2.5	Pass
					4.26	5.164	0.0061	-2.5 to 2.5	Pass
				-30	3.80	-1.144	-0.0013	-2.5 to 2.5	Pass
				-20	3.80	-2.604	-0.0031	-2.5 to 2.5	Pass
				-10	3.80	6.351	0.0075	-2.5 to 2.5	Pass
				0	3.80	-2.904	-0.0034	-2.5 to 2.5	Pass
				10	3.80	2.503	0.0030	-2.5 to 2.5	Pass
				30	3.80	-4.921	-0.0058	-2.5 to 2.5	Pass
				40	3.80	-3.018	-0.0036	-2.5 to 2.5	Pass
				50	3.80	1.645	0.0019	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.15	-7.682	-0.0093	-2.5 to 2.5	Pass
					3.80	-2.804	-0.0034	-2.5 to 2.5	Pass
					4.26	-5.522	-0.0067	-2.5 to 2.5	Pass
				-30	3.80	-0.858	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	-2.389	-0.0029	-2.5 to 2.5	Pass
				-10	3.80	-1.359	-0.0016	-2.5 to 2.5	Pass
				0	3.80	-4.005	-0.0049	-2.5 to 2.5	Pass
				10	3.80	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.80	-8.311	-0.0101	-2.5 to 2.5	Pass
				40	3.80	1.030	0.0012	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	-3.748	-0.0045	-2.5 to 2.5	Pass
					3.80	1.860	0.0022	-2.5 to 2.5	Pass
					4.26	-1.903	-0.0023	-2.5 to 2.5	Pass
				-30	3.80	2.189	0.0026	-2.5 to 2.5	Pass
				-20	3.80	1.860	0.0022	-2.5 to 2.5	Pass
				-10	3.80	-0.916	-0.0011	-2.5 to 2.5	Pass
				0	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.80	-1.001	-0.0012	-2.5 to 2.5	Pass
				30	3.80	-0.687	-0.0008	-2.5 to 2.5	Pass
				40	3.80	4.392	0.0053	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	4.020	0.0047	-2.5 to 2.5	Pass
					3.80	-1.945	-0.0023	-2.5 to 2.5	Pass
					4.26	2.160	0.0025	-2.5 to 2.5	Pass
				-30	3.80	2.117	0.0025	-2.5 to 2.5	Pass
				-20	3.80	2.975	0.0035	-2.5 to 2.5	Pass
				-10	3.80	1.645	0.0019	-2.5 to 2.5	Pass
				0	3.80	-1.588	-0.0019	-2.5 to 2.5	Pass
				10	3.80	3.133	0.0037	-2.5 to 2.5	Pass
				30	3.80	0.343	0.0004	-2.5 to 2.5	Pass
				40	3.80	3.247	0.0038	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.15	-2.918	-0.0035	-2.5 to 2.5	Pass
					3.80	-2.246	-0.0027	-2.5 to 2.5	Pass
					4.26	-2.432	-0.0029	-2.5 to 2.5	Pass

				-30	3.80	-6.566	-0.0080	-2.5 to 2.5	Pass
				-20	3.80	-4.463	-0.0054	-2.5 to 2.5	Pass
				-10	3.80	1.659	0.0020	-2.5 to 2.5	Pass
				0	3.80	1.931	0.0023	-2.5 to 2.5	Pass
				10	3.80	-5.522	-0.0067	-2.5 to 2.5	Pass
				30	3.80	-0.529	-0.0006	-2.5 to 2.5	Pass
				40	3.80	0.544	0.0007	-2.5 to 2.5	Pass
				50	3.80	-7.238	-0.0088	-2.5 to 2.5	Pass
	836.5	15	0	20	3.15	0.200	0.0002	-2.5 to 2.5	Pass
					3.80	1.802	0.0022	-2.5 to 2.5	Pass
					4.26	4.020	0.0048	-2.5 to 2.5	Pass
				-30	3.80	4.334	0.0052	-2.5 to 2.5	Pass
				-20	3.80	-1.073	-0.0013	-2.5 to 2.5	Pass
				-10	3.80	-4.449	-0.0053	-2.5 to 2.5	Pass
				0	3.80	-0.458	-0.0005	-2.5 to 2.5	Pass
				10	3.80	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	3.80	-2.131	-0.0025	-2.5 to 2.5	Pass
				40	3.80	-2.704	-0.0032	-2.5 to 2.5	Pass
				50	3.80	3.591	0.0043	-2.5 to 2.5	Pass
	847.5	15	0	20	3.15	0.544	0.0006	-2.5 to 2.5	Pass
					3.80	2.761	0.0033	-2.5 to 2.5	Pass
					4.26	-2.732	-0.0032	-2.5 to 2.5	Pass
				-30	3.80	3.061	0.0036	-2.5 to 2.5	Pass
				-20	3.80	-3.419	-0.0040	-2.5 to 2.5	Pass
				-10	3.80	0.186	0.0002	-2.5 to 2.5	Pass
				0	3.80	4.048	0.0048	-2.5 to 2.5	Pass
				10	3.80	3.018	0.0036	-2.5 to 2.5	Pass
				30	3.80	-2.446	-0.0029	-2.5 to 2.5	Pass
				40	3.80	3.505	0.0041	-2.5 to 2.5	Pass
				50	3.80	0.544	0.0006	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.15	-0.415	-0.0005	-2.5 to 2.5	Pass
					3.80	2.990	0.0036	-2.5 to 2.5	Pass
					4.26	-0.873	-0.0011	-2.5 to 2.5	Pass
				-30	3.80	-3.676	-0.0044	-2.5 to 2.5	Pass
				-20	3.80	3.390	0.0041	-2.5 to 2.5	Pass
				-10	3.80	1.945	0.0024	-2.5 to 2.5	Pass
				0	3.80	-1.216	-0.0015	-2.5 to 2.5	Pass
				10	3.80	-0.329	-0.0004	-2.5 to 2.5	Pass
				30	3.80	-2.060	-0.0025	-2.5 to 2.5	Pass
				40	3.80	1.287	0.0016	-2.5 to 2.5	Pass
				50	3.80	-0.730	-0.0009	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	-2.604	-0.0031	-2.5 to 2.5	Pass
					3.80	0.916	0.0011	-2.5 to 2.5	Pass
					4.26	0.343	0.0004	-2.5 to 2.5	Pass
				-30	3.80	-2.046	-0.0024	-2.5 to 2.5	Pass
				-20	3.80	0.587	0.0007	-2.5 to 2.5	Pass
				-10	3.80	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.80	-1.316	-0.0016	-2.5 to 2.5	Pass
				30	3.80	1.888	0.0023	-2.5 to 2.5	Pass
				40	3.80	0.658	0.0008	-2.5 to 2.5	Pass
				50	3.80	2.446	0.0029	-2.5 to 2.5	Pass

	846.5	25	0	20	3.15	2.675	0.0032	-2.5 to 2.5	Pass
					3.80	-3.448	-0.0041	-2.5 to 2.5	Pass
					4.26	0.043	0.0001	-2.5 to 2.5	Pass
				-30	3.80	1.044	0.0012	-2.5 to 2.5	Pass
				-20	3.80	0.830	0.0010	-2.5 to 2.5	Pass
				-10	3.80	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.80	2.589	0.0031	-2.5 to 2.5	Pass
				10	3.80	-1.473	-0.0017	-2.5 to 2.5	Pass
				30	3.80	0.916	0.0011	-2.5 to 2.5	Pass
				40	3.80	2.518	0.0030	-2.5 to 2.5	Pass
				50	3.80	1.202	0.0014	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.15	0.443	0.0005	-2.5 to 2.5	Pass
					3.80	4.048	0.0049	-2.5 to 2.5	Pass
					4.26	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	-0.830	-0.0010	-2.5 to 2.5	Pass
				-20	3.80	-2.518	-0.0030	-2.5 to 2.5	Pass
				-10	3.80	-1.488	-0.0018	-2.5 to 2.5	Pass
				0	3.80	-2.460	-0.0030	-2.5 to 2.5	Pass
				10	3.80	2.933	0.0035	-2.5 to 2.5	Pass
				30	3.80	-0.315	-0.0004	-2.5 to 2.5	Pass
				40	3.80	1.173	0.0014	-2.5 to 2.5	Pass
				50	3.80	-0.501	-0.0006	-2.5 to 2.5	Pass
	836.5	25	0	20	3.15	-1.202	-0.0014	-2.5 to 2.5	Pass
					3.80	-5.751	-0.0069	-2.5 to 2.5	Pass
					4.26	-2.847	-0.0034	-2.5 to 2.5	Pass
				-30	3.80	-2.375	-0.0028	-2.5 to 2.5	Pass
				-20	3.80	4.807	0.0057	-2.5 to 2.5	Pass
				-10	3.80	0.114	0.0001	-2.5 to 2.5	Pass
				0	3.80	1.373	0.0016	-2.5 to 2.5	Pass
				10	3.80	-2.074	-0.0025	-2.5 to 2.5	Pass
				30	3.80	-0.358	-0.0004	-2.5 to 2.5	Pass
				40	3.80	-5.779	-0.0069	-2.5 to 2.5	Pass
				50	3.80	0.286	0.0003	-2.5 to 2.5	Pass
	846.5	25	0	20	3.15	-0.987	-0.0012	-2.5 to 2.5	Pass
					3.80	0.501	0.0006	-2.5 to 2.5	Pass
					4.26	0.758	0.0009	-2.5 to 2.5	Pass
				-30	3.80	-0.744	-0.0009	-2.5 to 2.5	Pass
				-20	3.80	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.80	0.143	0.0002	-2.5 to 2.5	Pass
				0	3.80	0.329	0.0004	-2.5 to 2.5	Pass
				10	3.80	1.903	0.0022	-2.5 to 2.5	Pass
				30	3.80	-0.358	-0.0004	-2.5 to 2.5	Pass
				40	3.80	1.359	0.0016	-2.5 to 2.5	Pass
				50	3.80	1.817	0.0021	-2.5 to 2.5	Pass

2.1.4 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	829	50	0	20	3.15	0.243	0.0003	-2.5 to 2.5	Pass
					3.80	0.958	0.0012	-2.5 to 2.5	Pass
					4.26	0.544	0.0007	-2.5 to 2.5	Pass
				-30	3.80	0.172	0.0002	-2.5 to 2.5	Pass
				-20	3.80	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	3.80	0.272	0.0003	-2.5 to 2.5	Pass
				0	3.80	1.860	0.0022	-2.5 to 2.5	Pass
				10	3.80	2.675	0.0032	-2.5 to 2.5	Pass

				30	3.80	-0.916	-0.0011	-2.5 to 2.5	Pass
				40	3.80	-1.087	-0.0013	-2.5 to 2.5	Pass
				50	3.80	-0.172	-0.0002	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	-3.119	-0.0037	-2.5 to 2.5	Pass
					3.80	-2.675	-0.0032	-2.5 to 2.5	Pass
					4.26	-0.801	-0.0010	-2.5 to 2.5	Pass
				-30	3.80	-1.330	-0.0016	-2.5 to 2.5	Pass
				-20	3.80	-0.458	-0.0005	-2.5 to 2.5	Pass
				-10	3.80	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.80	1.116	0.0013	-2.5 to 2.5	Pass
				10	3.80	-1.431	-0.0017	-2.5 to 2.5	Pass
				30	3.80	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.80	-1.731	-0.0021	-2.5 to 2.5	Pass
				50	3.80	-0.014	0.0000	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-3.476	-0.0041	-2.5 to 2.5	Pass
					3.80	-2.532	-0.0030	-2.5 to 2.5	Pass
					4.26	-1.831	-0.0022	-2.5 to 2.5	Pass
				-30	3.80	-2.890	-0.0034	-2.5 to 2.5	Pass
				-20	3.80	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	3.80	-3.204	-0.0038	-2.5 to 2.5	Pass
				0	3.80	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	3.80	-3.805	-0.0045	-2.5 to 2.5	Pass
				30	3.80	-3.262	-0.0039	-2.5 to 2.5	Pass
				40	3.80	-1.388	-0.0016	-2.5 to 2.5	Pass
				50	3.80	-3.247	-0.0038	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.15	0.730	0.0009	-2.5 to 2.5	Pass
					3.80	1.717	0.0021	-2.5 to 2.5	Pass
					4.26	2.389	0.0029	-2.5 to 2.5	Pass
				-30	3.80	-0.401	-0.0005	-2.5 to 2.5	Pass
				-20	3.80	1.588	0.0019	-2.5 to 2.5	Pass
				-10	3.80	0.758	0.0009	-2.5 to 2.5	Pass
				0	3.80	-0.486	-0.0006	-2.5 to 2.5	Pass
				10	3.80	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.80	0.143	0.0002	-2.5 to 2.5	Pass
				40	3.80	1.287	0.0016	-2.5 to 2.5	Pass
				50	3.80	-1.574	-0.0019	-2.5 to 2.5	Pass
	836.5	50	0	20	3.15	-3.619	-0.0043	-2.5 to 2.5	Pass
					3.80	-0.501	-0.0006	-2.5 to 2.5	Pass
					4.26	-1.674	-0.0020	-2.5 to 2.5	Pass
				-30	3.80	0.529	0.0006	-2.5 to 2.5	Pass
				-20	3.80	0.229	0.0003	-2.5 to 2.5	Pass
				-10	3.80	-1.330	-0.0016	-2.5 to 2.5	Pass
				0	3.80	-0.329	-0.0004	-2.5 to 2.5	Pass
				10	3.80	-0.501	-0.0006	-2.5 to 2.5	Pass
				30	3.80	-2.260	-0.0027	-2.5 to 2.5	Pass
				40	3.80	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.80	-0.272	-0.0003	-2.5 to 2.5	Pass
	844	50	0	20	3.15	-1.802	-0.0021	-2.5 to 2.5	Pass
					3.80	-4.091	-0.0048	-2.5 to 2.5	Pass
					4.26	-3.433	-0.0041	-2.5 to 2.5	Pass
				-30	3.80	-2.360	-0.0028	-2.5 to 2.5	Pass
				-20	3.80	-2.003	-0.0024	-2.5 to 2.5	Pass
				-10	3.80	-3.676	-0.0044	-2.5 to 2.5	Pass
				0	3.80	-3.033	-0.0036	-2.5 to 2.5	Pass
				10	3.80	-1.502	-0.0018	-2.5 to 2.5	Pass
				30	3.80	-2.174	-0.0026	-2.5 to 2.5	Pass
				40	3.80	-2.174	-0.0026	-2.5 to 2.5	Pass
				50	3.80	-2.689	-0.0032	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.1.3 B5_5MHz

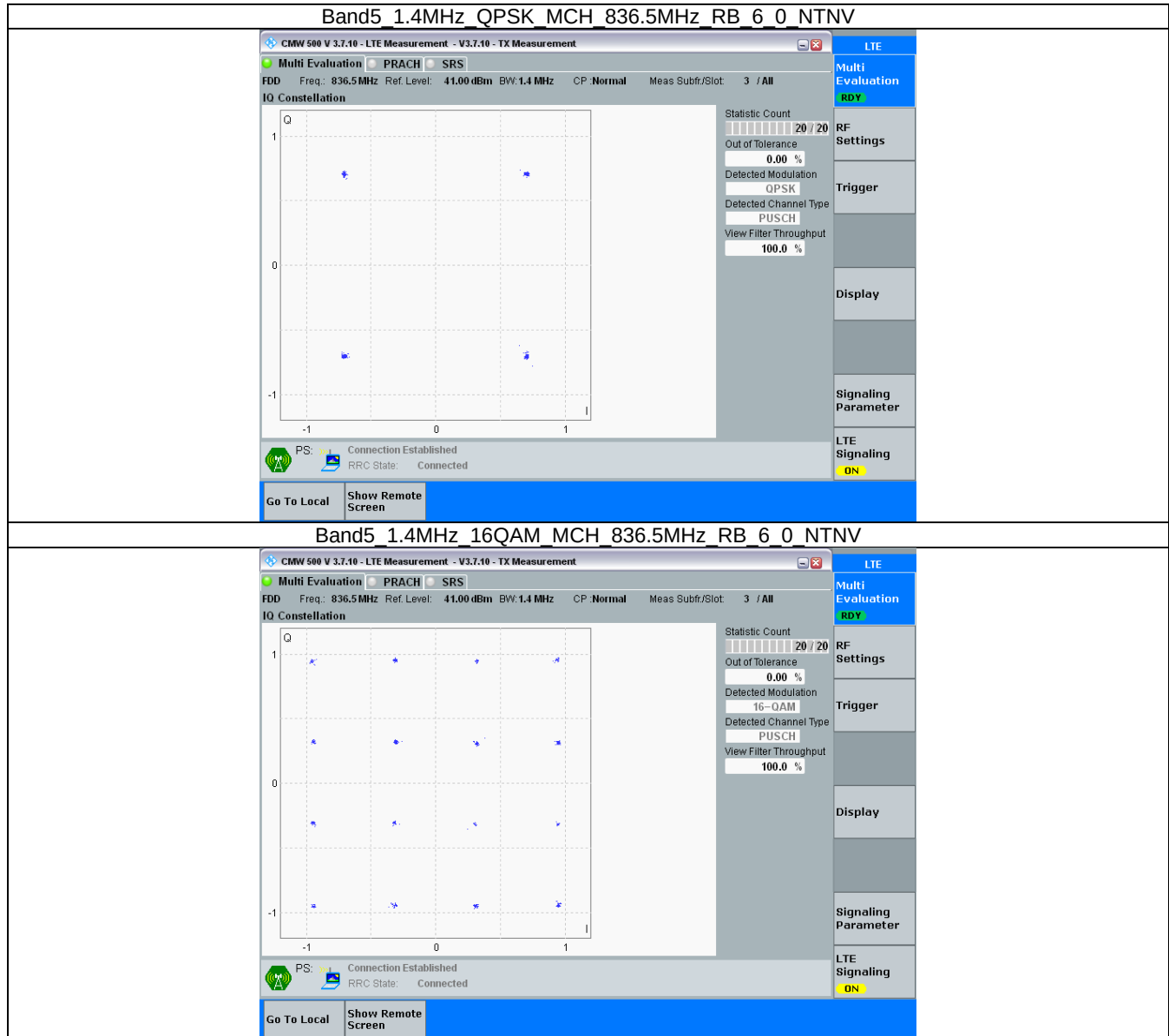
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

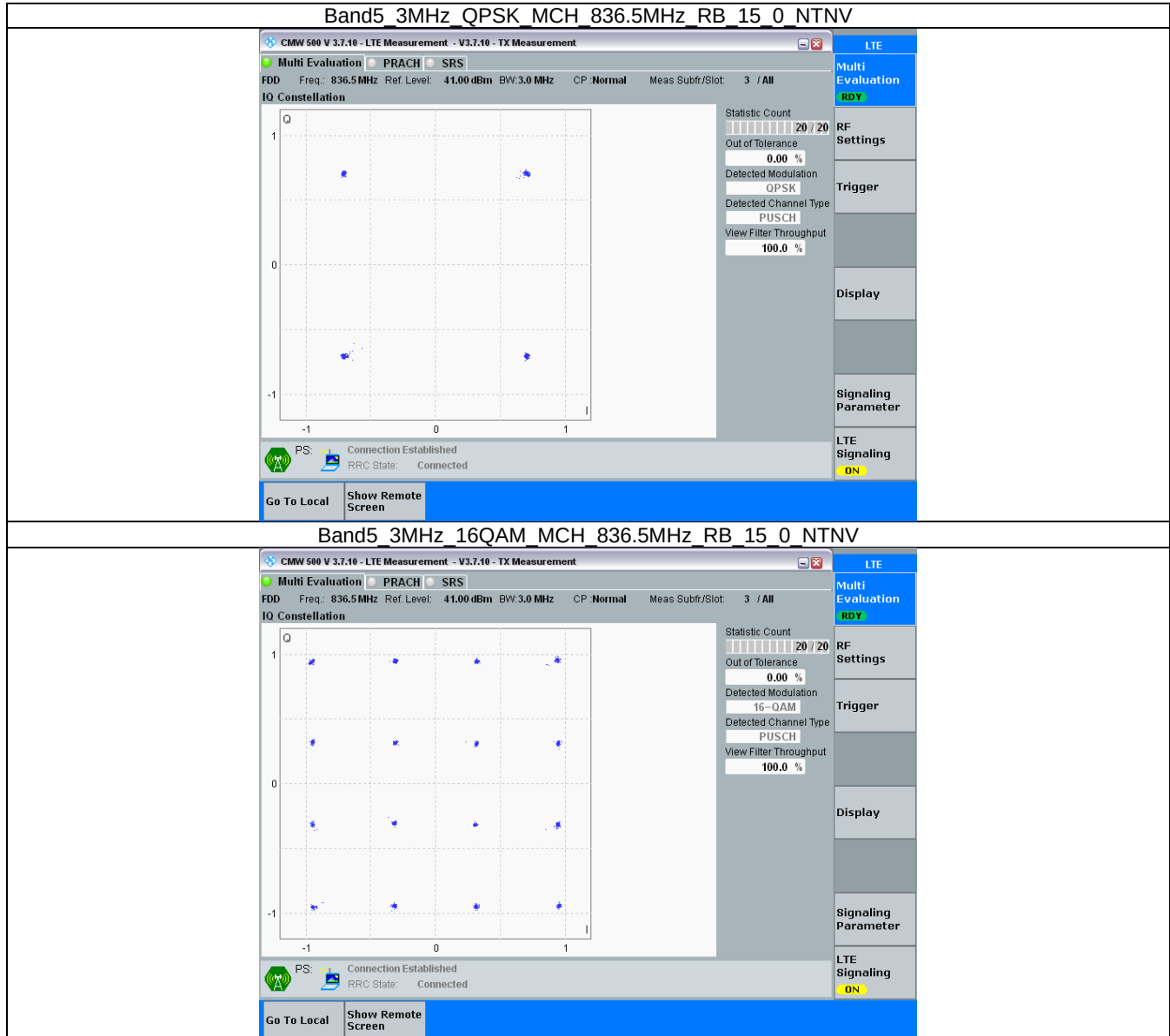
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

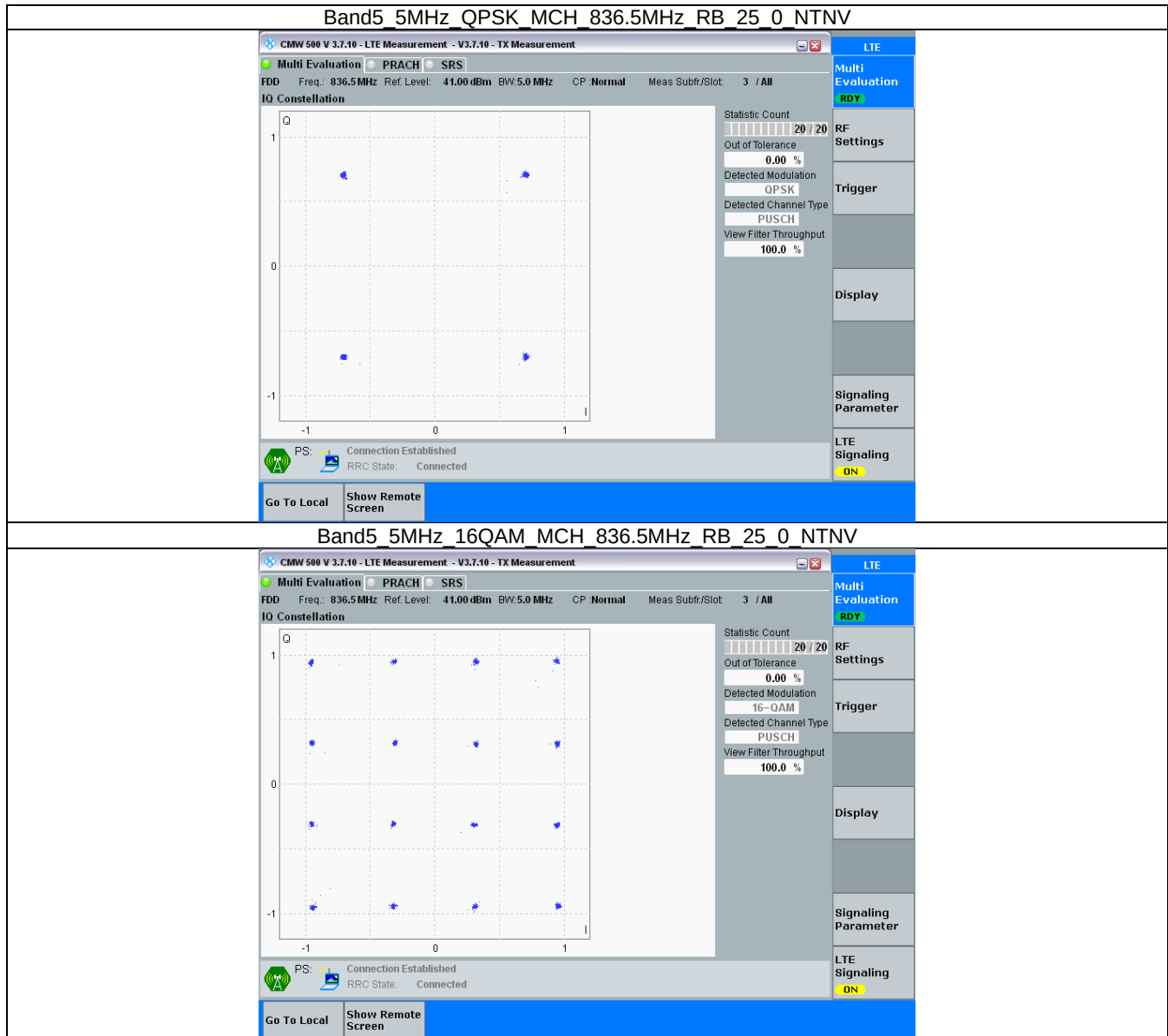
3.2.1 B5_1.4MHz



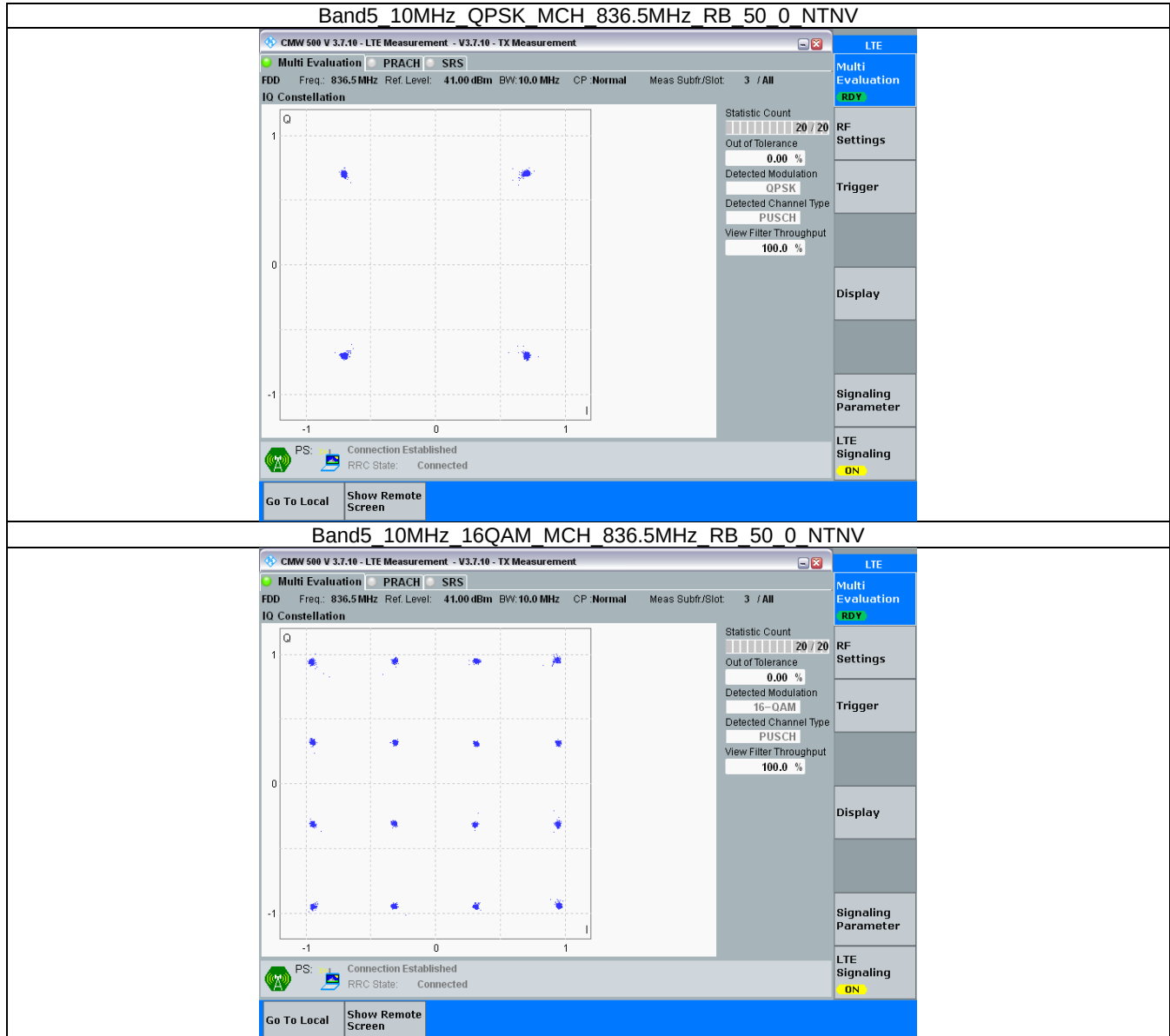
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.089	/	Pass
		836.5	6	0	1.088	/	Pass
		848.3	6	0	1.085	/	Pass
	16QAM	824.7	6	0	1.087	/	Pass
		836.5	6	0	1.084	/	Pass
		848.3	6	0	1.090	/	Pass
3	QPSK	825.5	15	0	2.682	/	Pass
		836.5	15	0	2.682	/	Pass
		847.5	15	0	2.684	/	Pass
	16QAM	825.5	15	0	2.672	/	Pass
		836.5	15	0	2.677	/	Pass
		847.5	15	0	2.687	/	Pass
5	QPSK	826.5	25	0	4.508	/	Pass
		836.5	25	0	4.522	/	Pass
		846.5	25	0	4.534	/	Pass
	16QAM	826.5	25	0	4.518	/	Pass
		836.5	25	0	4.526	/	Pass
		846.5	25	0	4.507	/	Pass
10	QPSK	829	50	0	8.951	/	Pass
		836.5	50	0	8.946	/	Pass
		844	50	0	8.971	/	Pass
	16QAM	829	50	0	8.956	/	Pass
		836.5	50	0	8.965	/	Pass
		844	50	0	8.943	/	Pass

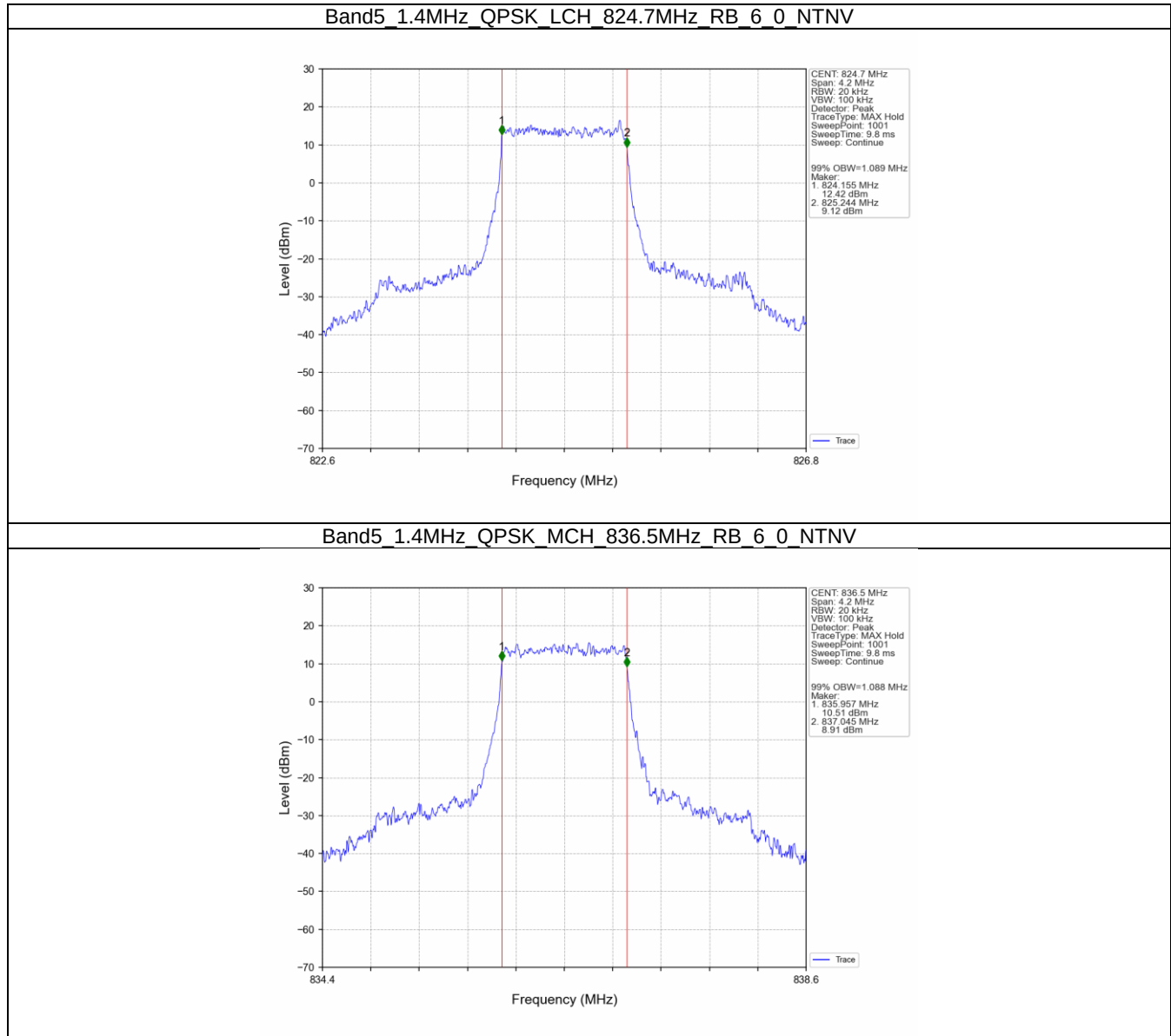
4.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.246	/	Pass
		836.5	6	0	1.271	/	Pass
		848.3	6	0	1.246	/	Pass
	16QAM	824.7	6	0	1.265	/	Pass
		836.5	6	0	1.236	/	Pass
		848.3	6	0	1.293	/	Pass
3	QPSK	825.5	15	0	2.888	/	Pass
		836.5	15	0	2.875	/	Pass
		847.5	15	0	2.901	/	Pass
	16QAM	825.5	15	0	2.875	/	Pass
		836.5	15	0	2.881	/	Pass
		847.5	15	0	2.900	/	Pass
5	QPSK	826.5	25	0	4.968	/	Pass
		836.5	25	0	4.976	/	Pass
		846.5	25	0	4.950	/	Pass
	16QAM	826.5	25	0	5.008	/	Pass
		836.5	25	0	4.984	/	Pass
		846.5	25	0	4.951	/	Pass
10	QPSK	829	50	0	9.599	/	Pass

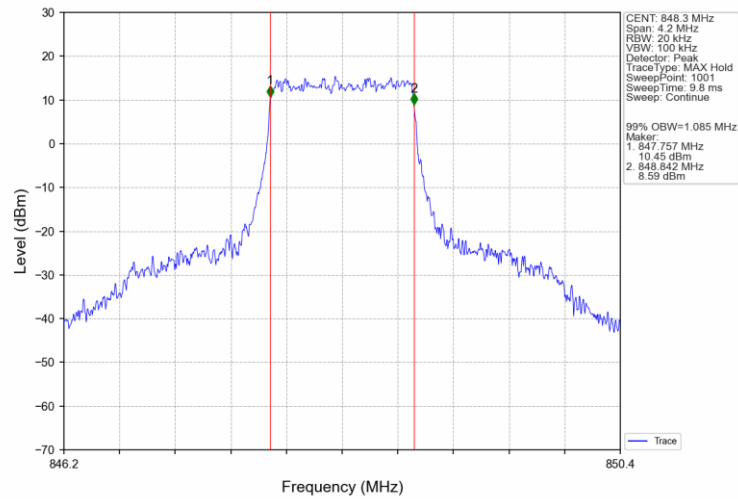
		836.5	50	0	9.588	/	Pass
		844	50	0	9.701	/	Pass
	16QAM	829	50	0	9.608	/	Pass
		836.5	50	0	9.559	/	Pass
		844	50	0	9.587	/	Pass

4.2 Test Graph

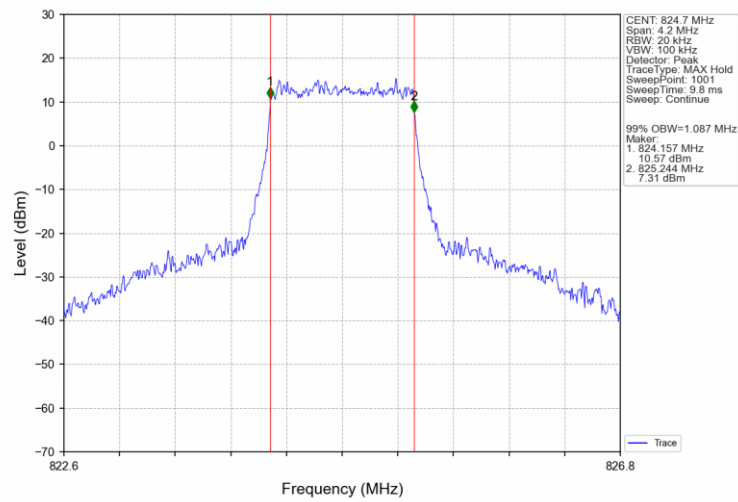
4.2.1 Band5_OBW



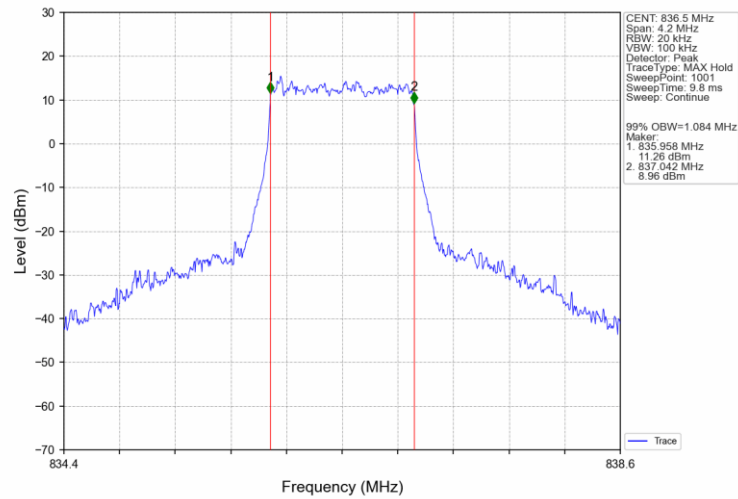
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



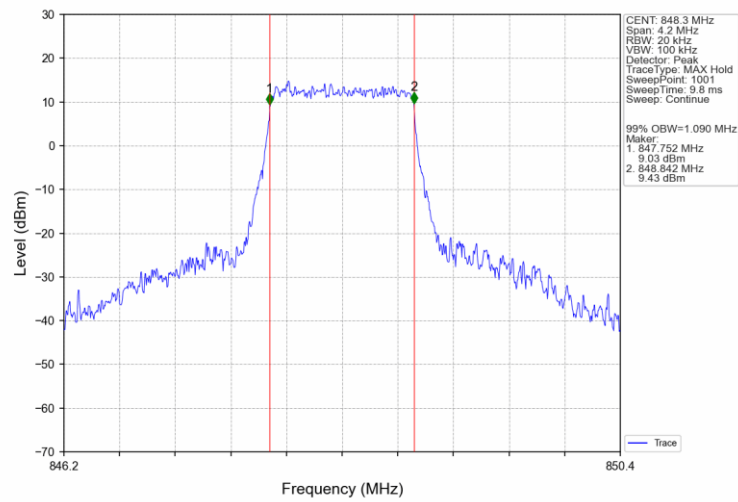
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



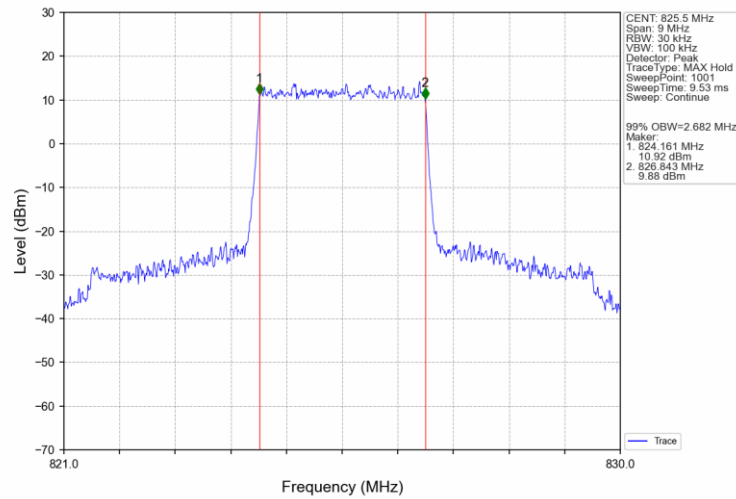
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



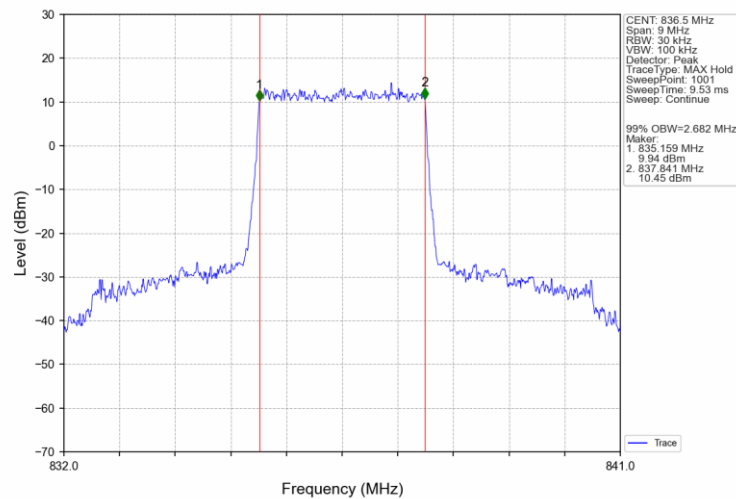
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



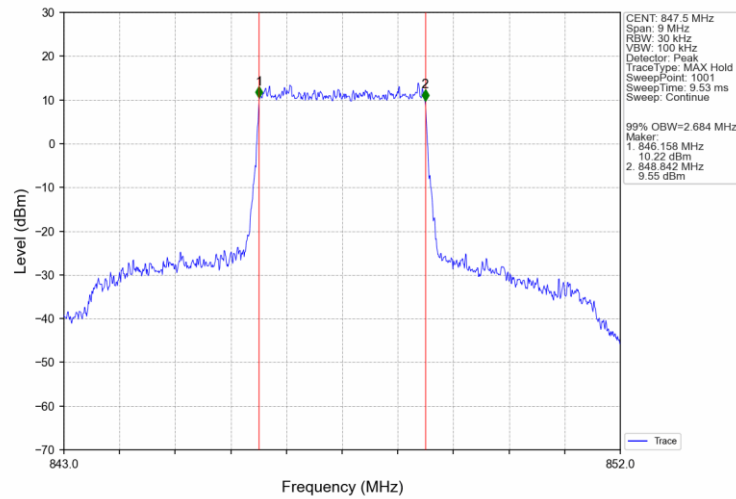
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



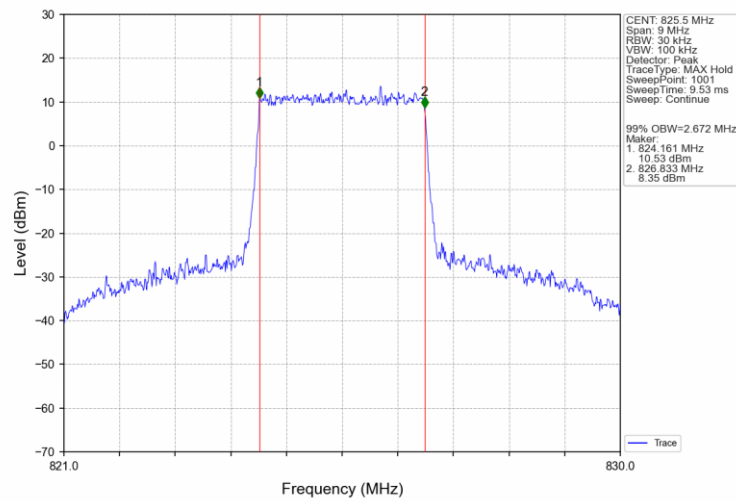
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



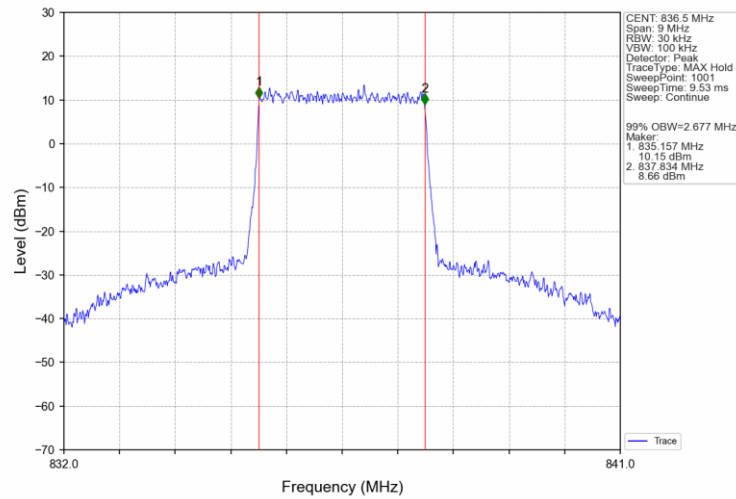
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



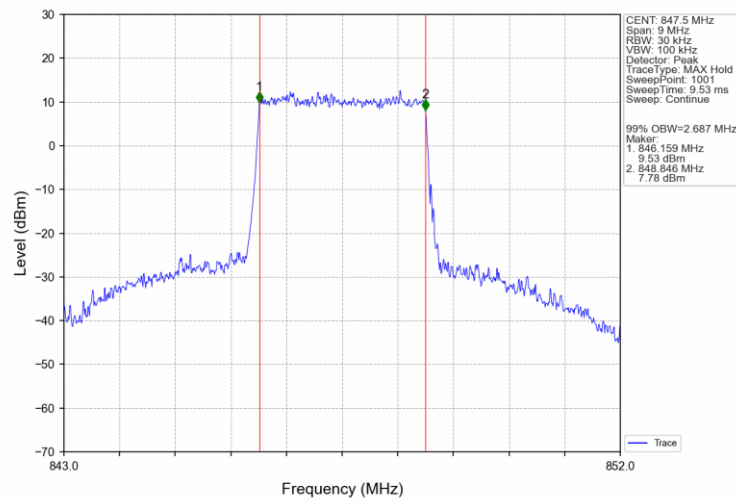
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



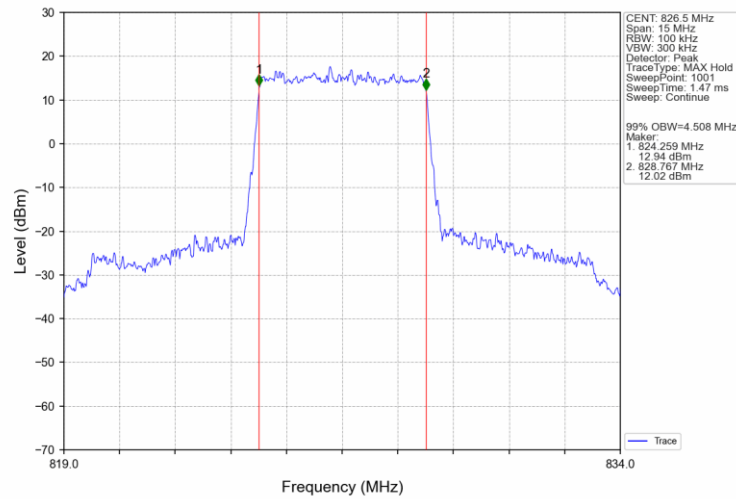
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



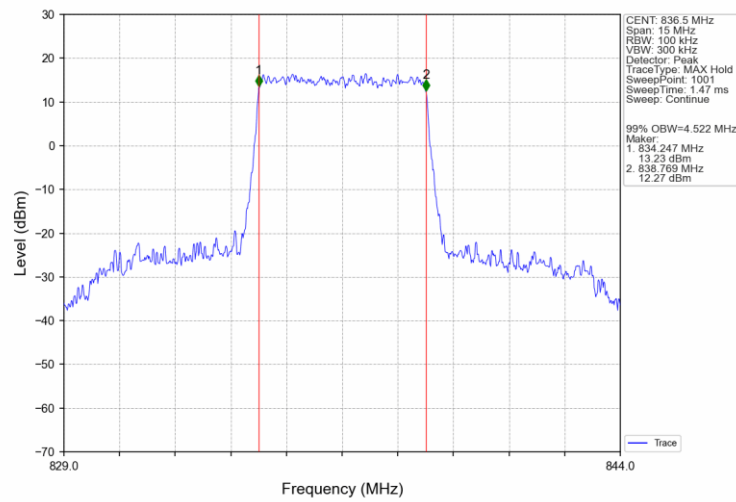
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



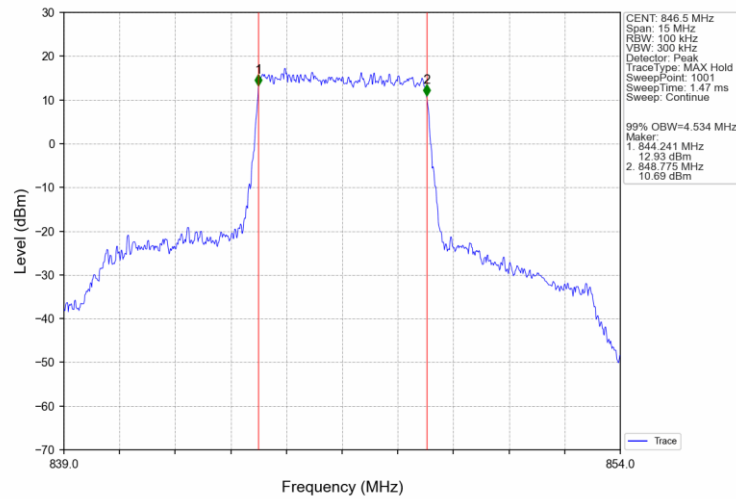
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



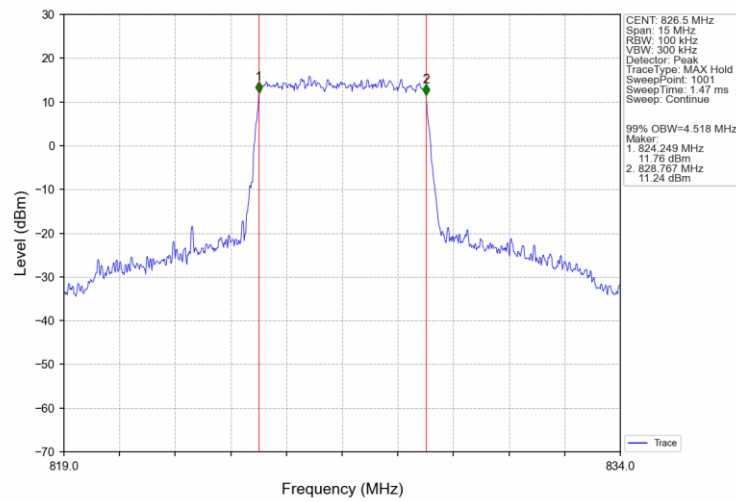
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



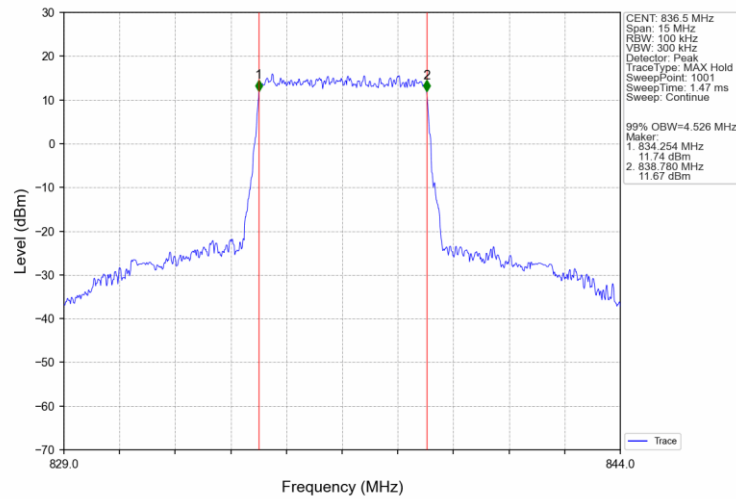
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



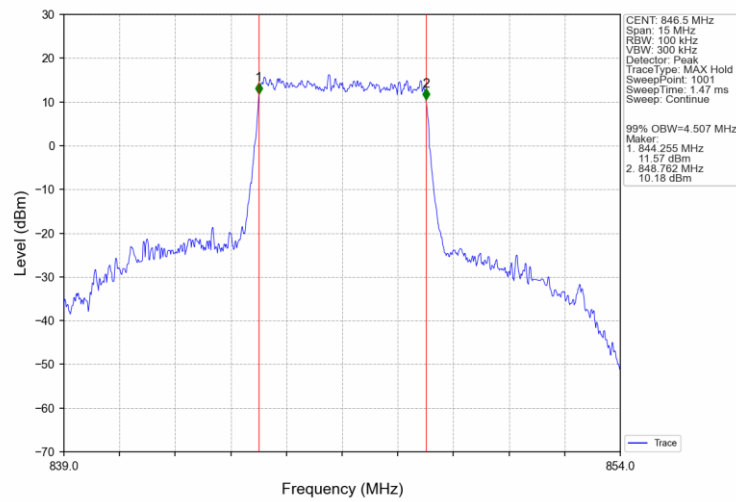
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



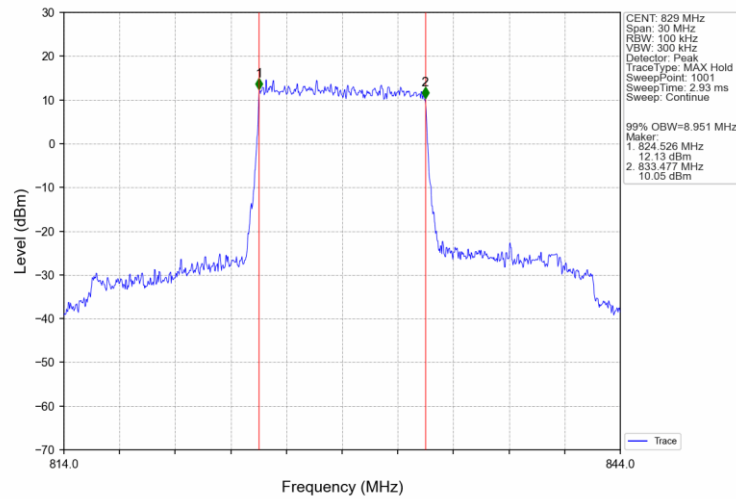
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



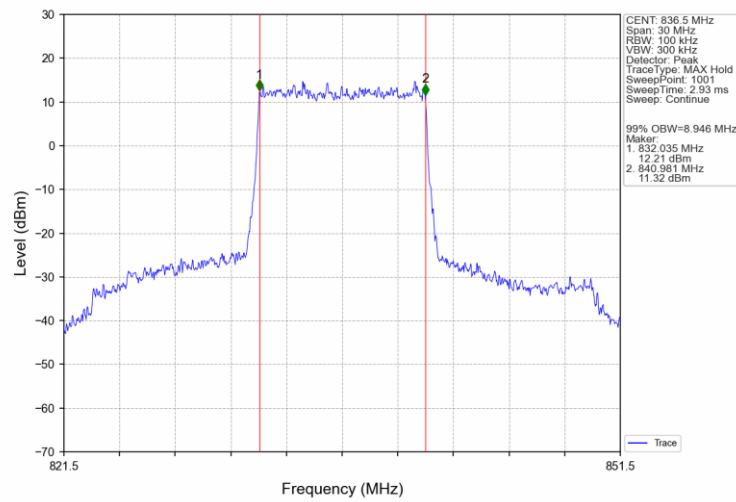
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



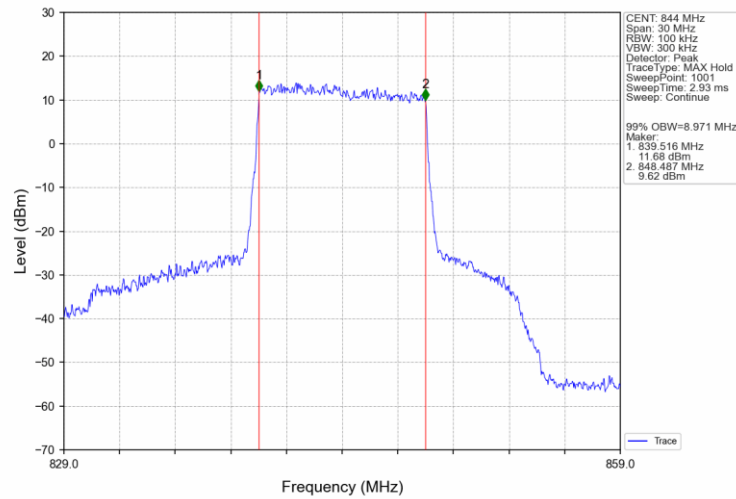
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



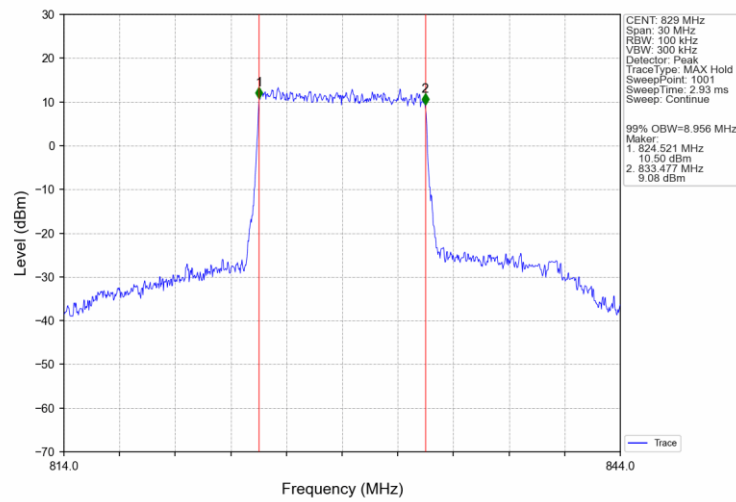
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



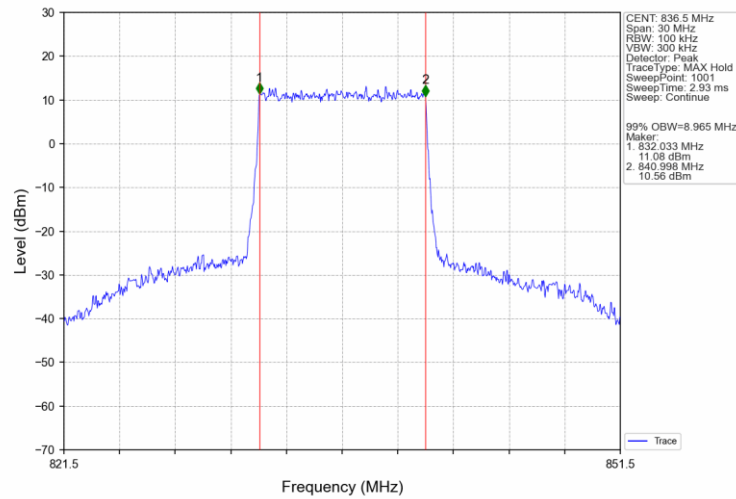
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



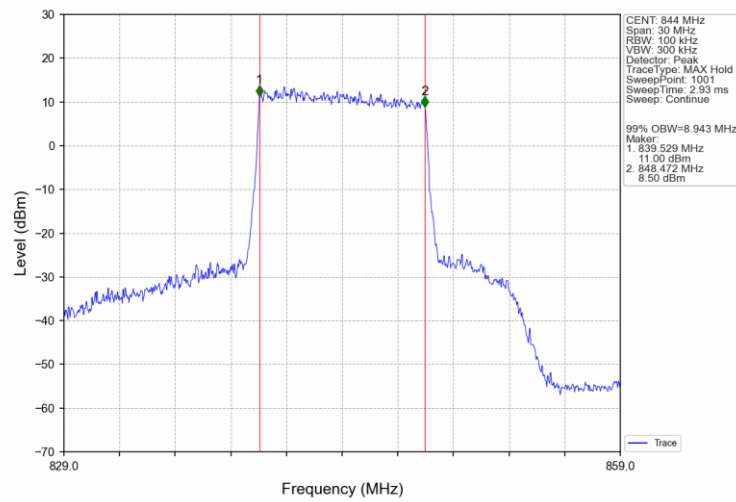
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

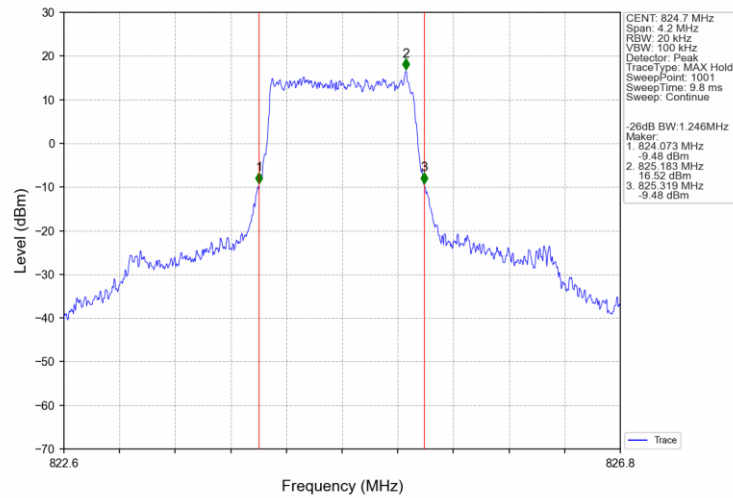


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

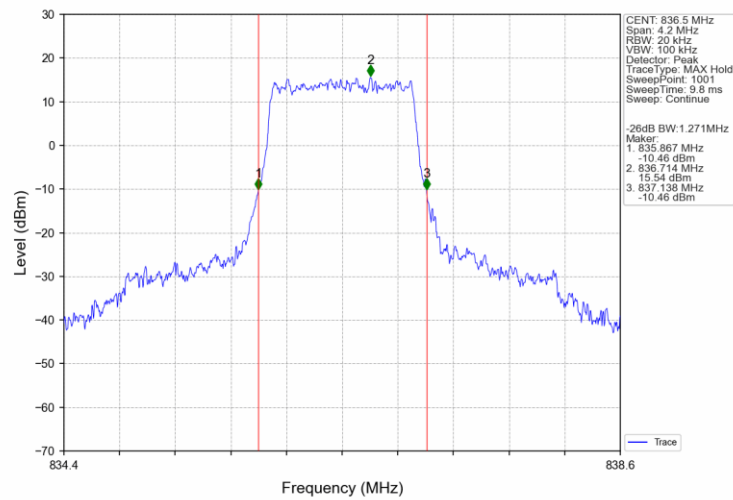


4.2.2 Band5_XDB

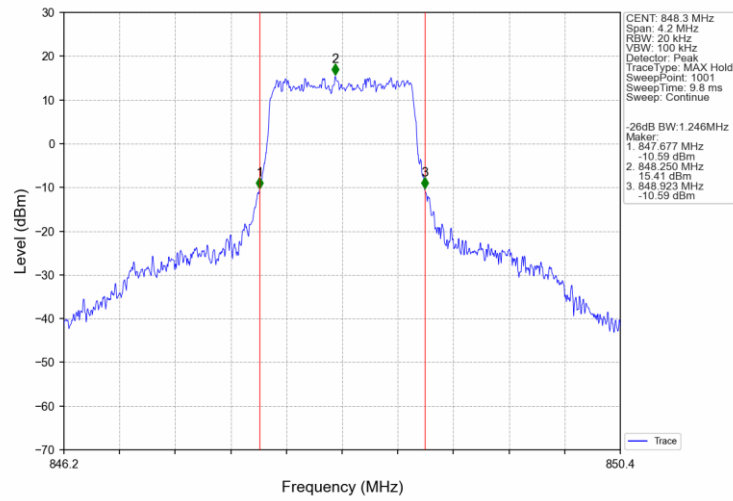
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



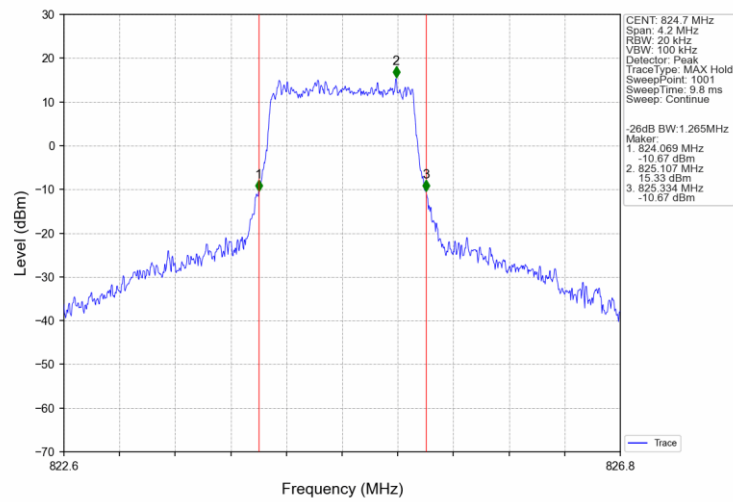
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



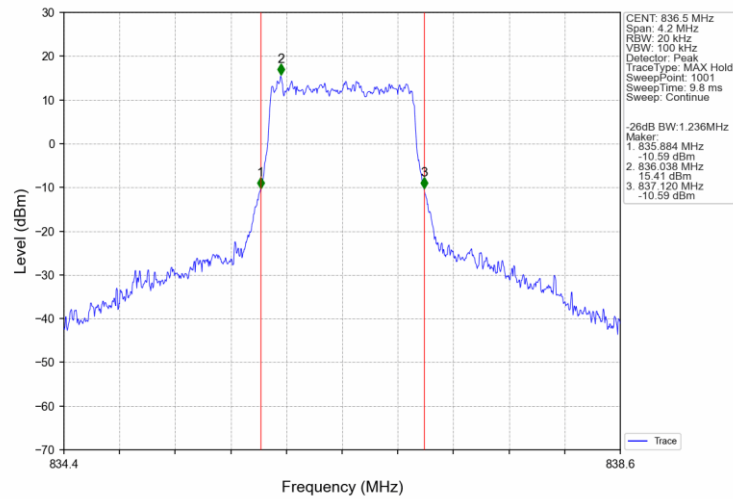
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



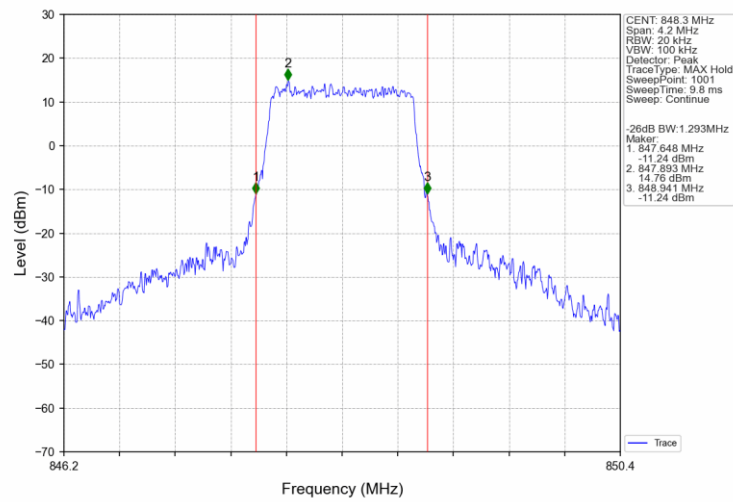
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



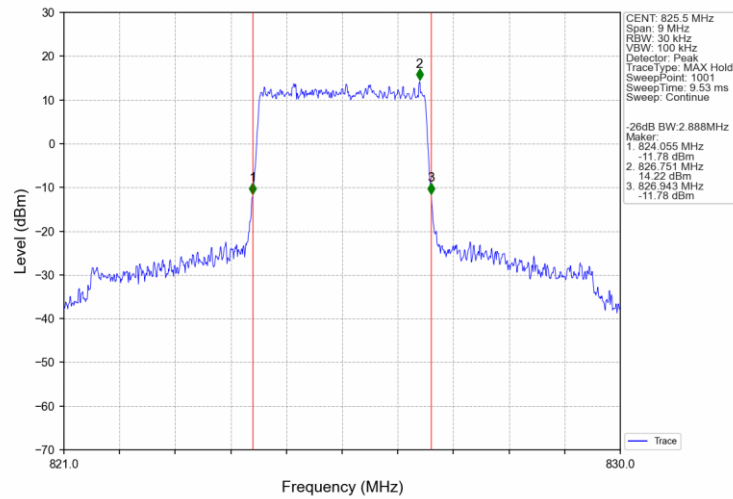
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



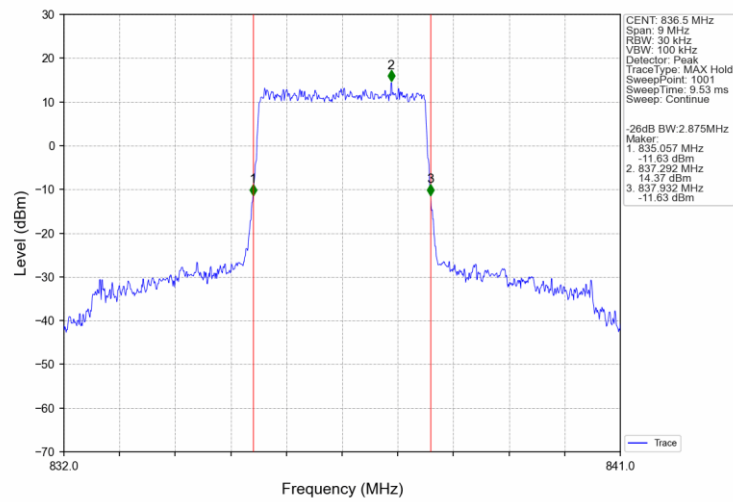
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



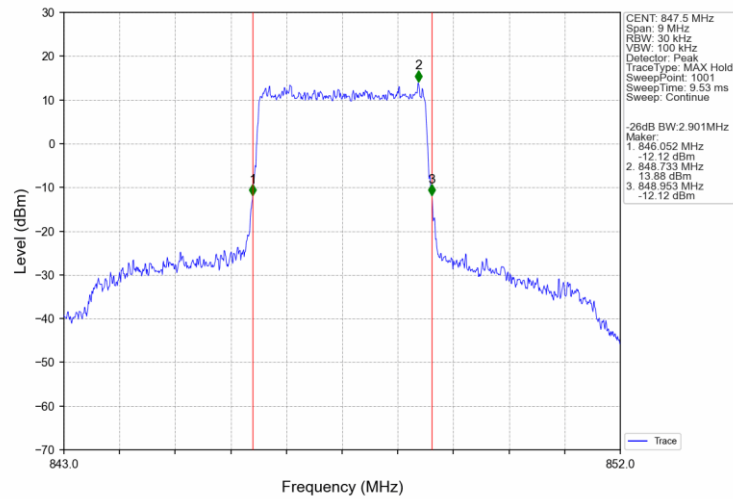
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



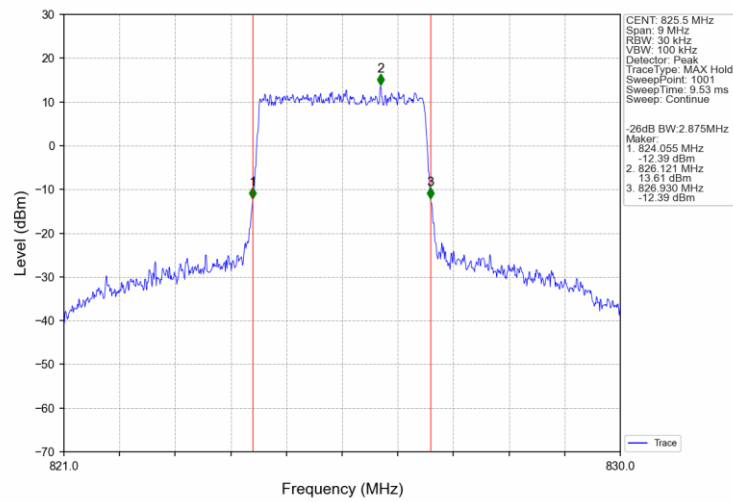
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



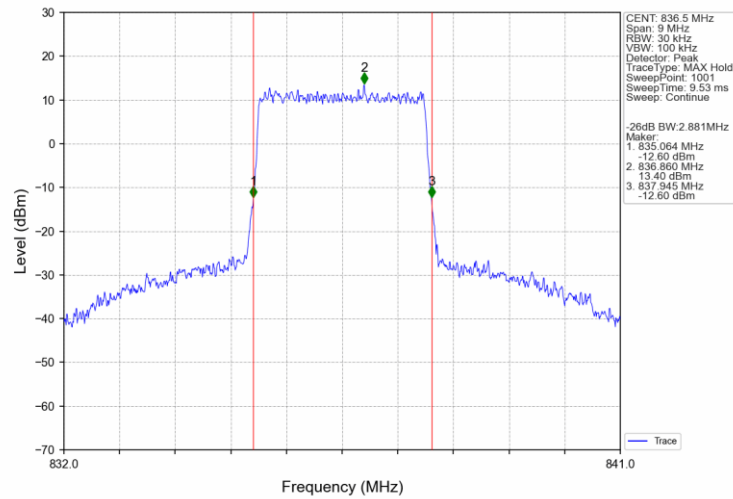
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



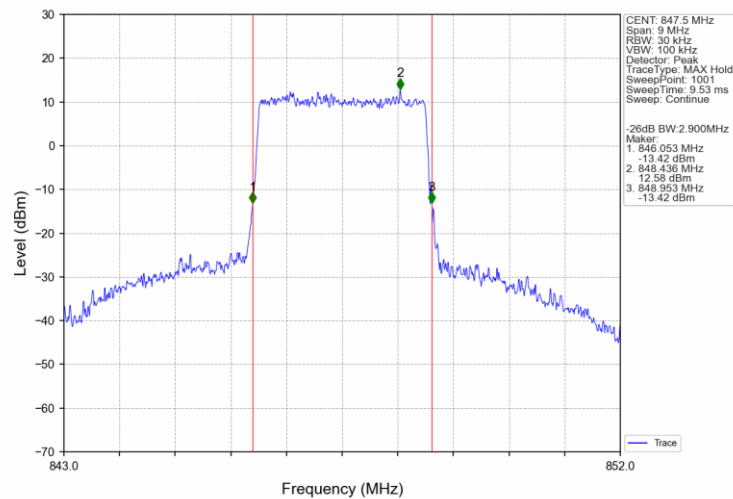
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



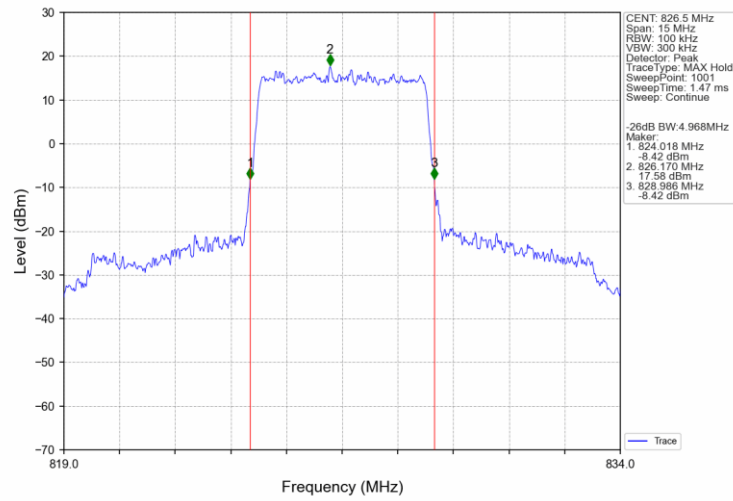
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



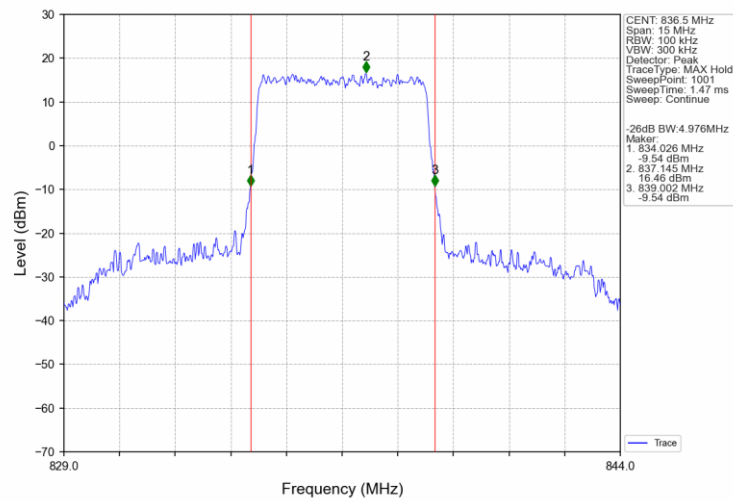
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



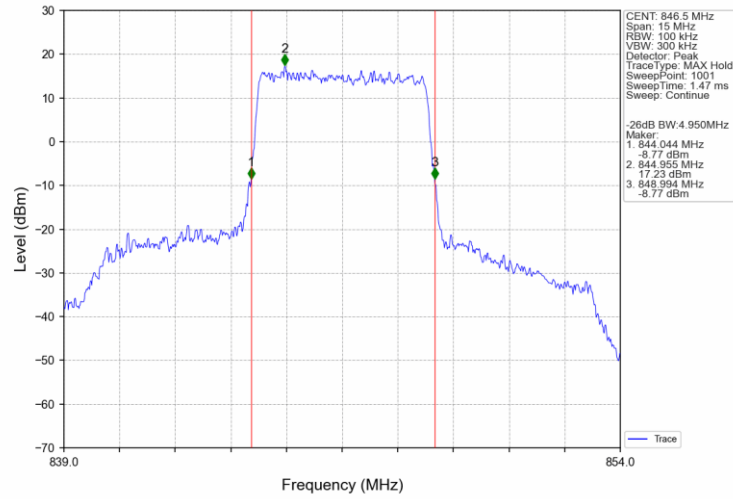
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



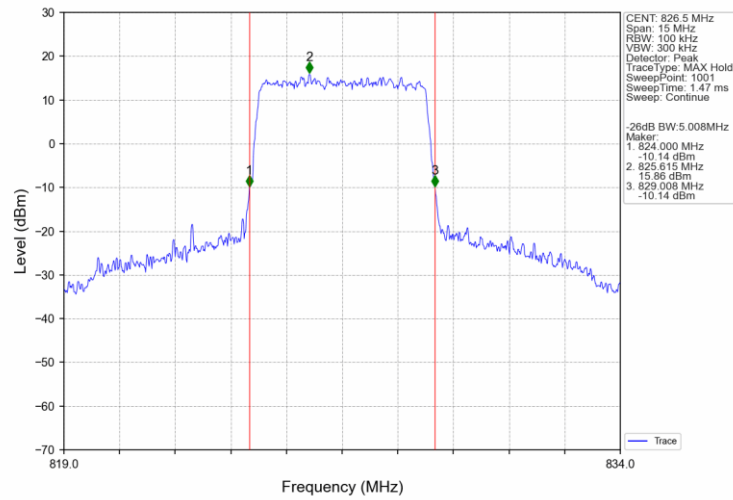
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



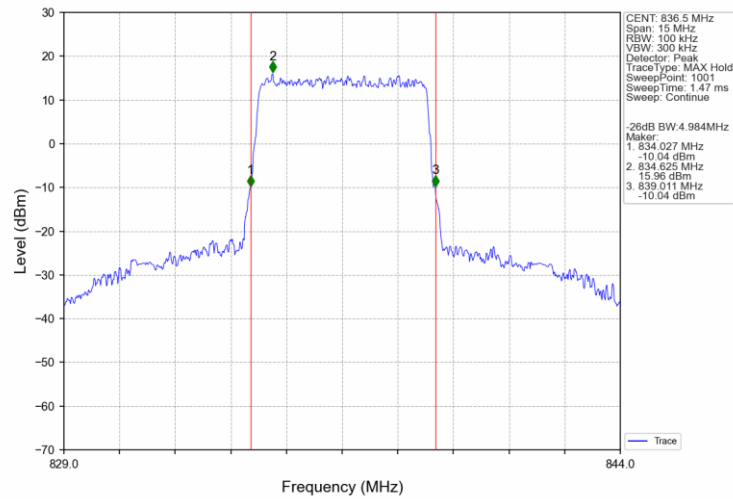
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



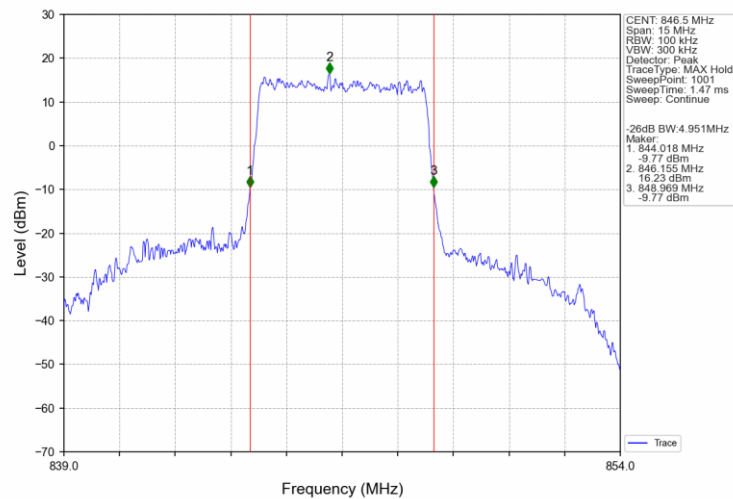
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



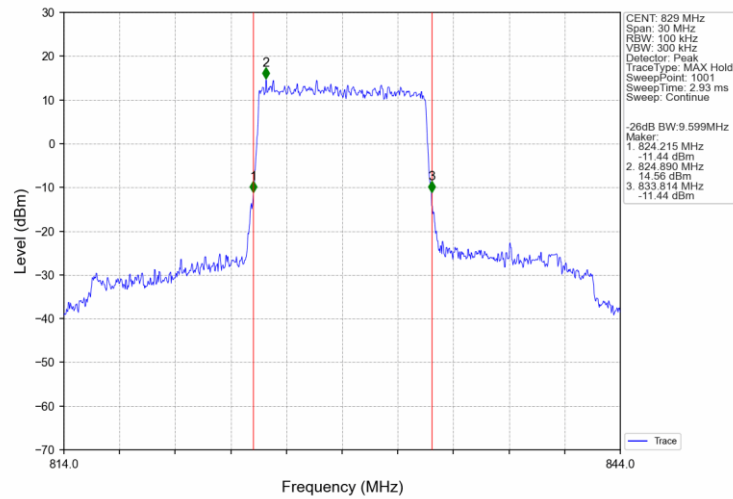
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



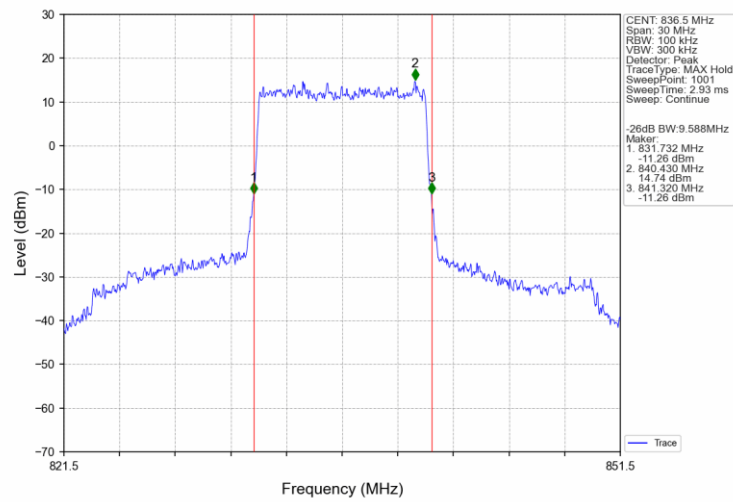
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



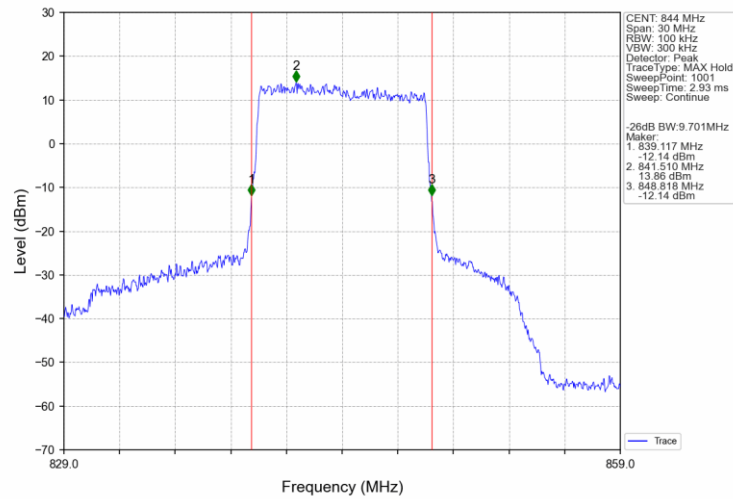
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



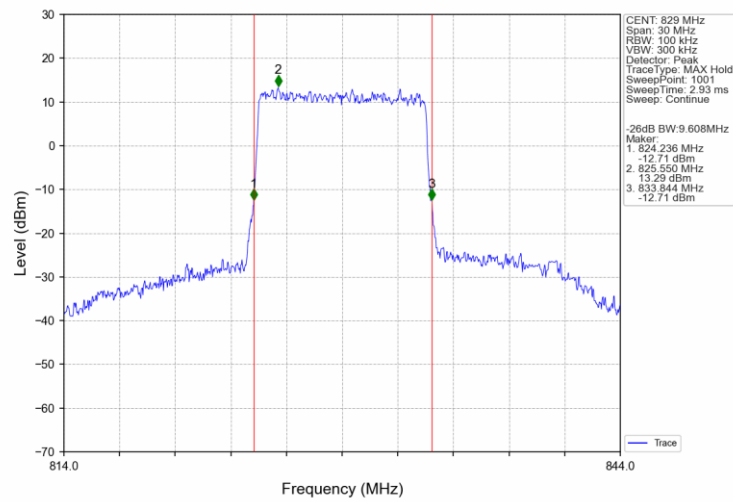
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



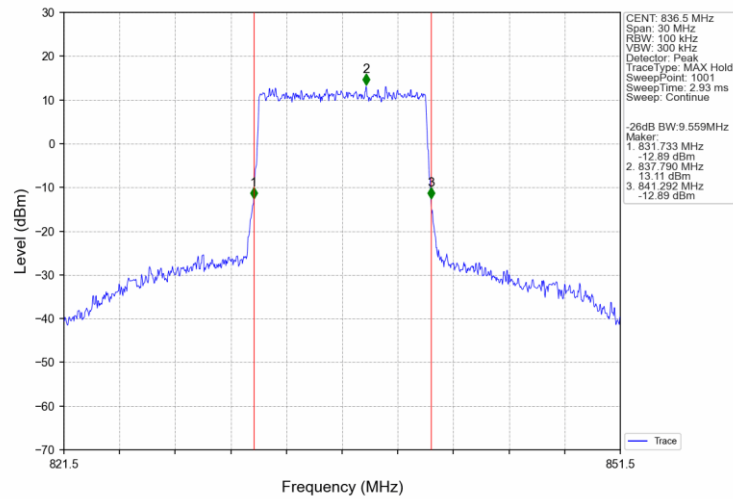
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



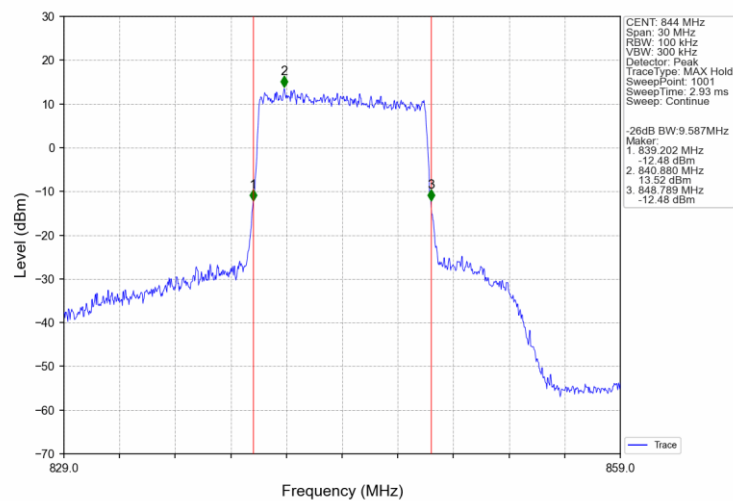
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.83	<=13	Pass
	836.5	6	0	5.29	<=13	Pass
	848.3	6	0	5.02	<=13	Pass
16QAM	824.7	6	0	5.65	<=13	Pass
	836.5	6	0	6.13	<=13	Pass
	848.3	6	0	5.82	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.00	<=13	Pass
	836.5	15	0	5.39	<=13	Pass
	847.5	15	0	5.34	<=13	Pass
16QAM	825.5	15	0	5.81	<=13	Pass
	836.5	15	0	6.25	<=13	Pass
	847.5	15	0	6.15	<=13	Pass

5.1.3 B5_5MHz

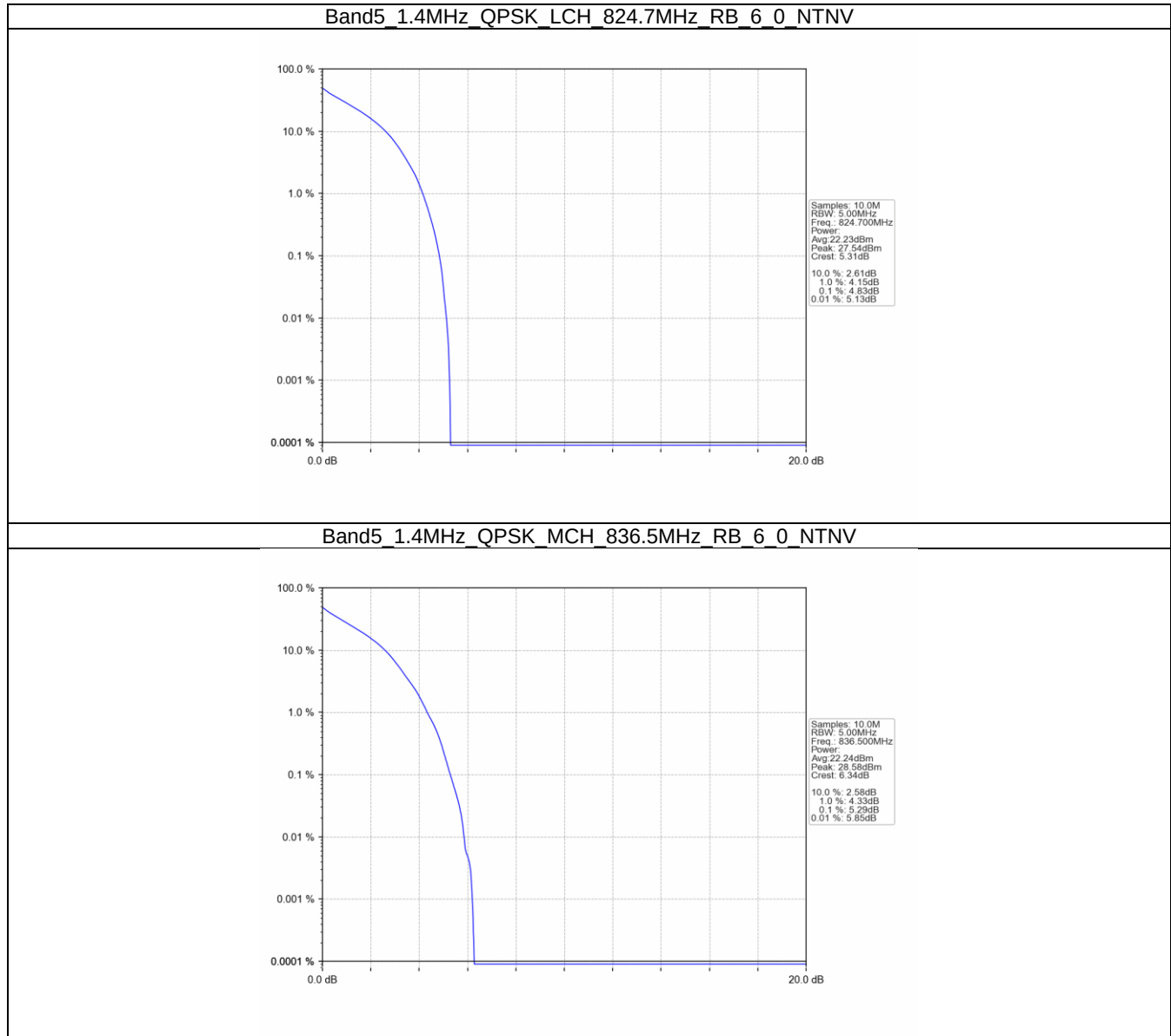
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.22	<=13	Pass
	836.5	25	0	5.57	<=13	Pass
	846.5	25	0	5.54	<=13	Pass
16QAM	826.5	25	0	5.95	<=13	Pass
	836.5	25	0	6.28	<=13	Pass
	846.5	25	0	6.21	<=13	Pass

5.1.4 B5_10MHz

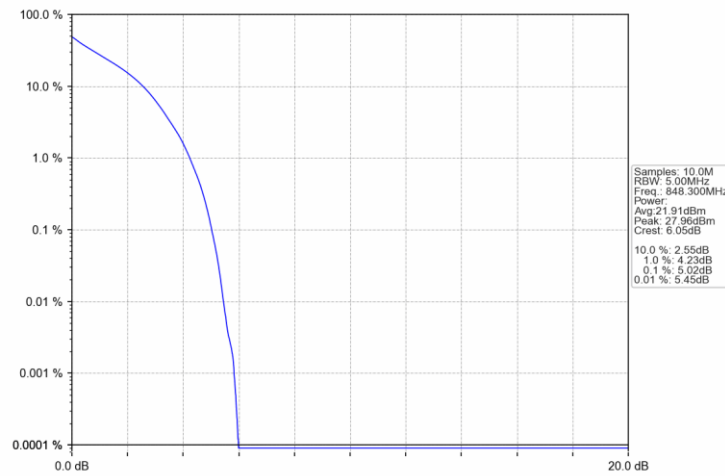
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.26	<=13	Pass
	836.5	50	0	5.48	<=13	Pass
	844	50	0	5.41	<=13	Pass
16QAM	829	50	0	6.07	<=13	Pass
	836.5	50	0	6.26	<=13	Pass
	844	50	0	6.15	<=13	Pass

5.2 Test Graph

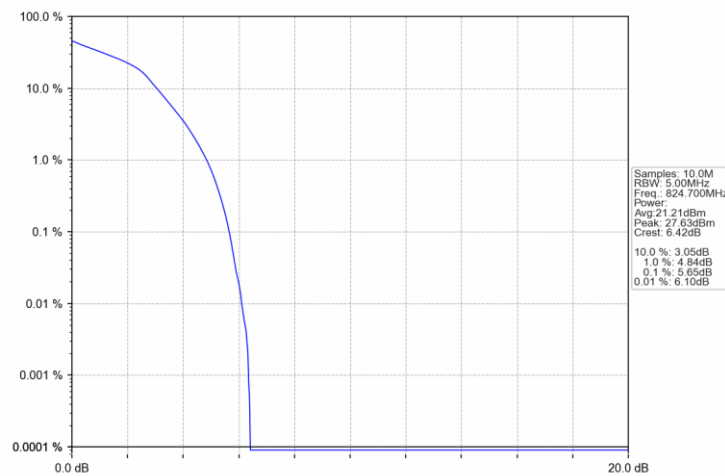
5.2.1 B5_1.4MHz



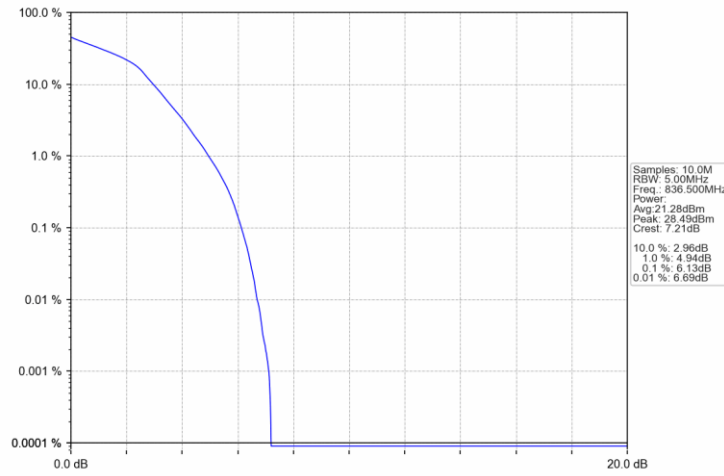
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



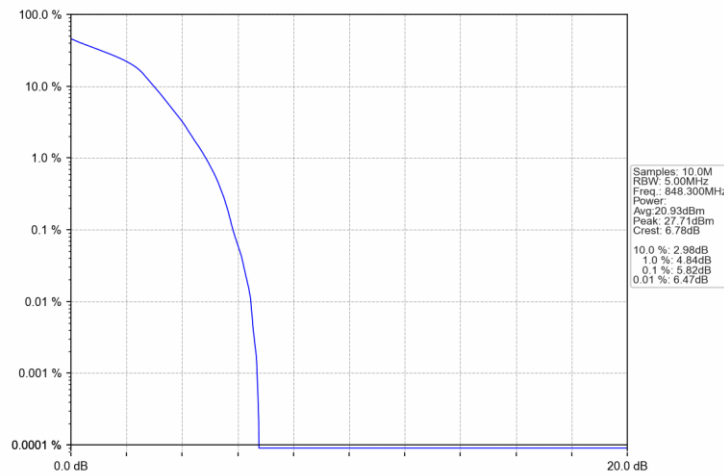
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

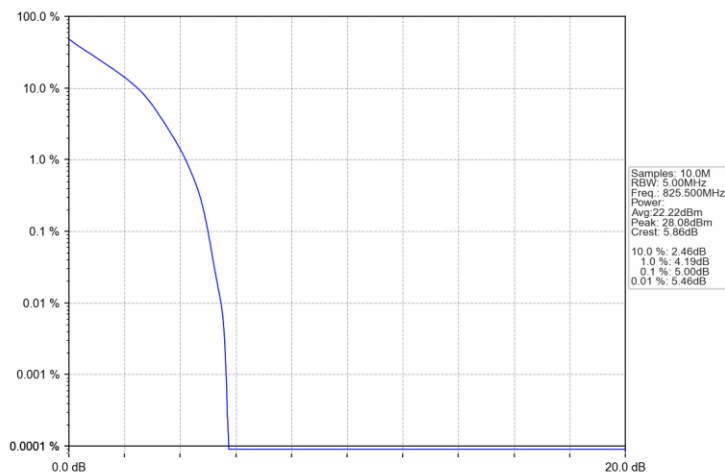


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



5.2.2 B5_3MHz

Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

