

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	23.67	-1.93	19.59	<=38.45	Pass
			2	23.59	-1.93	19.51	<=38.45	Pass
			5	23.28	-1.93	19.20	<=38.45	Pass
		3	0	23.73	-1.93	19.65	<=38.45	Pass
			2	23.73	-1.93	19.65	<=38.45	Pass
			3	23.72	-1.93	19.64	<=38.45	Pass
		6	0	22.65	-1.93	18.57	<=38.45	Pass
	836.5	1	0	23.24	-1.93	19.16	<=38.45	Pass
			2	23.26	-1.93	19.18	<=38.45	Pass
			5	23.24	-1.93	19.16	<=38.45	Pass
		3	0	23.71	-1.93	19.63	<=38.45	Pass
			2	23.67	-1.93	19.59	<=38.45	Pass
			3	23.65	-1.93	19.57	<=38.45	Pass
		6	0	22.75	-1.93	18.67	<=38.45	Pass
	848.3	1	0	23.18	-1.93	19.10	<=38.45	Pass
			2	23.20	-1.93	19.12	<=38.45	Pass
			5	23.14	-1.93	19.06	<=38.45	Pass
		3	0	23.59	-1.93	19.51	<=38.45	Pass
			2	23.59	-1.93	19.51	<=38.45	Pass
			3	23.60	-1.93	19.52	<=38.45	Pass
		6	0	22.64	-1.93	18.56	<=38.45	Pass
16QAM	824.7	1	0	22.18	-1.93	18.10	<=38.45	Pass
			2	22.15	-1.93	18.07	<=38.45	Pass
			5	22.13	-1.93	18.05	<=38.45	Pass
		3	0	22.71	-1.93	18.63	<=38.45	Pass
			2	22.70	-1.93	18.62	<=38.45	Pass
			3	22.68	-1.93	18.60	<=38.45	Pass
		6	0	21.64	-1.93	17.56	<=38.45	Pass
	836.5	1	0	22.39	-1.93	18.31	<=38.45	Pass
			2	22.36	-1.93	18.28	<=38.45	Pass
			5	22.39	-1.93	18.31	<=38.45	Pass
		3	0	22.93	-1.93	18.85	<=38.45	Pass
			2	22.90	-1.93	18.82	<=38.45	Pass
			3	22.89	-1.93	18.81	<=38.45	Pass
		6	0	21.69	-1.93	17.61	<=38.45	Pass
	848.3	1	0	22.04	-1.93	17.96	<=38.45	Pass
			2	22.09	-1.93	18.01	<=38.45	Pass
			5	22.05	-1.93	17.97	<=38.45	Pass
		3	0	22.83	-1.93	18.75	<=38.45	Pass
			2	22.88	-1.93	18.80	<=38.45	Pass
			3	22.87	-1.93	18.79	<=38.45	Pass
		6	0	21.70	-1.93	17.62	<=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	23.16	-1.93	19.08	<=38.45	Pass
			7	23.21	-1.93	19.13	<=38.45	Pass
			14	23.21	-1.93	19.13	<=38.45	Pass
		8	0	22.69	-1.93	18.61	<=38.45	Pass
			4	22.64	-1.93	18.56	<=38.45	Pass
			7	22.69	-1.93	18.61	<=38.45	Pass
		15	0	22.66	-1.93	18.58	<=38.45	Pass
	836.5	1	0	23.24	-1.93	19.16	<=38.45	Pass
			7	23.23	-1.93	19.15	<=38.45	Pass
			14	23.24	-1.93	19.16	<=38.45	Pass
		8	0	22.73	-1.93	18.65	<=38.45	Pass
			4	22.73	-1.93	18.65	<=38.45	Pass
			7	22.75	-1.93	18.67	<=38.45	Pass
		15	0	22.76	-1.93	18.68	<=38.45	Pass
	847.5	1	0	23.20	-1.93	19.12	<=38.45	Pass
			7	23.19	-1.93	19.11	<=38.45	Pass
			14	23.19	-1.93	19.11	<=38.45	Pass
		8	0	22.66	-1.93	18.58	<=38.45	Pass
			4	22.63	-1.93	18.55	<=38.45	Pass
			7	22.61	-1.93	18.53	<=38.45	Pass
		15	0	22.68	-1.93	18.60	<=38.45	Pass
16QAM	825.5	1	0	22.13	-1.93	18.05	<=38.45	Pass
			7	22.14	-1.93	18.06	<=38.45	Pass
			14	22.15	-1.93	18.07	<=38.45	Pass
		8	0	21.70	-1.93	17.62	<=38.45	Pass
			4	21.67	-1.93	17.59	<=38.45	Pass
			7	21.69	-1.93	17.61	<=38.45	Pass
		15	0	21.67	-1.93	17.59	<=38.45	Pass
	836.5	1	0	22.40	-1.93	18.32	<=38.45	Pass
			7	22.37	-1.93	18.29	<=38.45	Pass
			14	22.35	-1.93	18.27	<=38.45	Pass
		8	0	21.72	-1.93	17.64	<=38.45	Pass
			4	21.74	-1.93	17.66	<=38.45	Pass
			7	21.75	-1.93	17.67	<=38.45	Pass
		15	0	21.66	-1.93	17.58	<=38.45	Pass
	847.5	1	0	22.40	-1.93	18.32	<=38.45	Pass
			7	22.42	-1.93	18.34	<=38.45	Pass
			14	22.38	-1.93	18.30	<=38.45	Pass
		8	0	21.70	-1.93	17.62	<=38.45	Pass
			4	21.66	-1.93	17.58	<=38.45	Pass
			7	21.64	-1.93	17.56	<=38.45	Pass
		15	0	21.64	-1.93	17.56	<=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	23.15	-1.93	19.07	<=38.45	Pass		
			13	23.17	-1.93	19.09	<=38.45	Pass		
			24	23.21	-1.93	19.13	<=38.45	Pass		
		12	0	22.65	-1.93	18.57	<=38.45	Pass		
			6	22.66	-1.93	18.58	<=38.45	Pass		
			13	22.64	-1.93	18.56	<=38.45	Pass		
		25	0	22.69	-1.93	18.61	<=38.45	Pass		
		836.5	1	0	23.29	-1.93	19.21	<=38.45	Pass	
				13	23.27	-1.93	19.19	<=38.45	Pass	
	24			23.31	-1.93	19.23	<=38.45	Pass		
	12		0	22.78	-1.93	18.70	<=38.45	Pass		
			6	22.81	-1.93	18.73	<=38.45	Pass		
			13	22.78	-1.93	18.70	<=38.45	Pass		
	25		0	22.80	-1.93	18.72	<=38.45	Pass		
	846.5		1	0	23.26	-1.93	19.18	<=38.45	Pass	
				13	23.16	-1.93	19.08	<=38.45	Pass	
		24		23.28	-1.93	19.20	<=38.45	Pass		
		12	0	22.74	-1.93	18.66	<=38.45	Pass		
			6	22.66	-1.93	18.58	<=38.45	Pass		
			13	22.66	-1.93	18.58	<=38.45	Pass		
		25	0	22.74	-1.93	18.66	<=38.45	Pass		
		16QAM	826.5	1	0	22.39	-1.93	18.31	<=38.45	Pass
					13	22.38	-1.93	18.30	<=38.45	Pass
	24				22.44	-1.93	18.36	<=38.45	Pass	
12	0			21.71	-1.93	17.63	<=38.45	Pass		
	6			21.70	-1.93	17.62	<=38.45	Pass		
	13			21.63	-1.93	17.55	<=38.45	Pass		
25	0			21.69	-1.93	17.61	<=38.45	Pass		
836.5	1			0	22.41	-1.93	18.33	<=38.45	Pass	
				13	22.37	-1.93	18.29	<=38.45	Pass	
			24	22.43	-1.93	18.35	<=38.45	Pass		
	12		0	21.74	-1.93	17.66	<=38.45	Pass		
			6	21.70	-1.93	17.62	<=38.45	Pass		
			13	21.70	-1.93	17.62	<=38.45	Pass		
	25		0	21.76	-1.93	17.68	<=38.45	Pass		
	846.5		1	0	22.35	-1.93	18.27	<=38.45	Pass	
				13	22.33	-1.93	18.25	<=38.45	Pass	
24				22.31	-1.93	18.23	<=38.45	Pass		
12			0	21.74	-1.93	17.66	<=38.45	Pass		
			6	21.64	-1.93	17.56	<=38.45	Pass		
			13	21.64	-1.93	17.56	<=38.45	Pass		
25			0	21.76	-1.93	17.68	<=38.45	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.20	-1.93	19.12	<=38.45	Pass
			25	23.32	-1.93	19.24	<=38.45	Pass
			49	23.31	-1.93	19.23	<=38.45	Pass
		25	0	22.73	-1.93	18.65	<=38.45	Pass
			13	22.74	-1.93	18.66	<=38.45	Pass
			25	22.69	-1.93	18.61	<=38.45	Pass
		50	0	22.75	-1.93	18.67	<=38.45	Pass
			0	23.26	-1.93	19.18	<=38.45	Pass
			25	23.29	-1.93	19.21	<=38.45	Pass
	836.5	1	49	23.21	-1.93	19.13	<=38.45	Pass
			0	22.79	-1.93	18.71	<=38.45	Pass
			13	22.78	-1.93	18.70	<=38.45	Pass
		25	25	22.82	-1.93	18.74	<=38.45	Pass
			0	22.89	-1.93	18.81	<=38.45	Pass
			0	23.29	-1.93	19.21	<=38.45	Pass
		50	25	23.24	-1.93	19.16	<=38.45	Pass
			49	23.16	-1.93	19.08	<=38.45	Pass
			0	22.81	-1.93	18.73	<=38.45	Pass
16QAM	829	1	13	22.68	-1.93	18.60	<=38.45	Pass
			25	22.60	-1.93	18.52	<=38.45	Pass
			0	22.76	-1.93	18.68	<=38.45	Pass
		25	0	22.08	-1.93	18.00	<=38.45	Pass
			25	22.20	-1.93	18.12	<=38.45	Pass
			49	22.20	-1.93	18.12	<=38.45	Pass
		50	0	21.70	-1.93	17.62	<=38.45	Pass
			13	21.73	-1.93	17.65	<=38.45	Pass
			25	21.67	-1.93	17.59	<=38.45	Pass
	836.5	1	0	21.72	-1.93	17.64	<=38.45	Pass
			0	22.36	-1.93	18.28	<=38.45	Pass
			25	22.39	-1.93	18.31	<=38.45	Pass
		25	49	22.31	-1.93	18.23	<=38.45	Pass
			0	21.82	-1.93	17.74	<=38.45	Pass
			13	21.83	-1.93	17.75	<=38.45	Pass
			25	21.87	-1.93	17.79	<=38.45	Pass
		50	0	21.83	-1.93	17.75	<=38.45	Pass
			0	22.45	-1.93	18.37	<=38.45	Pass
	844	1	25	22.40	-1.93	18.32	<=38.45	Pass
			49	22.33	-1.93	18.25	<=38.45	Pass
			0	21.85	-1.93	17.77	<=38.45	Pass
		25	13	21.85	-1.93	17.77	<=38.45	Pass
			25	21.74	-1.93	17.66	<=38.45	Pass
			0	21.67	-1.93	17.59	<=38.45	Pass
		50	25	21.67	-1.93	17.59	<=38.45	Pass
			0	21.74	-1.93	17.66	<=38.45	Pass
			0	21.74	-1.93	17.66	<=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	3.27	2.360	0.0029	-2.5 to 2.5	Pass
					3.85	4.392	0.0053	-2.5 to 2.5	Pass
					4.43	2.947	0.0036	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	7.210	0.0087	-2.5 to 2.5	Pass
				-10	3.85	0.887	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				40	3.85	4.506	0.0055	-2.5 to 2.5	Pass
				50	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	1.359	0.0016	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	3.304	0.0039	-2.5 to 2.5	Pass
				-30	3.85	3.161	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				0	3.85	3.304	0.0039	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				50	3.85	5.879	0.0070	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	4.020	0.0047	-2.5 to 2.5	Pass
					3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0033	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				30	3.85	-4.420	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-4.792	-0.0058	-2.5 to 2.5	Pass
					3.85	2.189	0.0027	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	5.851	0.0071	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				10	3.85	3.247	0.0039	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.934	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	3.262	0.0039	-2.5 to 2.5	Pass
					3.85	0.730	0.0009	-2.5 to 2.5	Pass
					4.43	-0.343	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	3.419	0.0041	-2.5 to 2.5	Pass

				0	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0016	-2.5 to 2.5	Pass
				40	3.85	5.307	0.0063	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0002	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-4.120	-0.0049	-2.5 to 2.5	Pass
					3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.945	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0012	-2.5 to 2.5	Pass
				30	3.85	3.119	0.0037	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.532	-0.0030	-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	3.27	1.273	0.0015	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	1.831	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				30	3.85	7.782	0.0094	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0032	-2.5 to 2.5	Pass
				50	3.85	-1.459	-0.0018	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-4.549	-0.0054	-2.5 to 2.5	Pass
					3.85	-7.052	-0.0084	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.347	-0.0040	-2.5 to 2.5	Pass
				10	3.85	1.173	0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				50	3.85	2.246	0.0027	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.443	0.0005	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
					4.43	0.229	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.705	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-2.260	-0.0027	-2.5 to 2.5	Pass
					3.85	1.359	0.0016	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0013	-2.5 to 2.5	Pass

				-30	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.875	0.0035	-2.5 to 2.5	Pass
				30	3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				50	3.85	1.187	0.0014	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0030	-2.5 to 2.5	Pass
					4.43	1.531	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.302	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-5.836	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				30	3.85	-5.364	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-1.259	-0.0015	-2.5 to 2.5	Pass
					3.85	1.073	0.0013	-2.5 to 2.5	Pass
					4.43	1.974	0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.292	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				40	3.85	1.044	0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0031	-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	3.27	-0.815	-0.0010	-2.5 to 2.5	Pass
					3.85	0.215	0.0003	-2.5 to 2.5	Pass
					4.43	0.529	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-3.533	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-2.704	-0.0033	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-6.194	-0.0074	-2.5 to 2.5	Pass
					3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.918	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.974	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.476	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				50	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	2.947	0.0036	-2.5 to 2.5	Pass
					4.43	-1.059	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				-20	3.85	3.834	0.0046	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				50	3.85	2.303	0.0028	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.358	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
					4.43	-2.403	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.762	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0063	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.458	0.0005	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0035	-2.5 to 2.5	Pass
					4.43	-0.830	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0038	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0036	-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	3.27	-0.572	-0.0007	-2.5 to 2.5	Pass
					3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.488	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0009	-2.5 to 2.5	Pass

				30	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.372	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.888	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.916	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.403	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.572	-0.0007	-2.5 to 2.5	Pass
					3.85	0.815	0.0010	-2.5 to 2.5	Pass
					4.43	-0.558	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	1.373	0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0041	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0007	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-2.046	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-2.818	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0028	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.787	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.802	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
				30	3.85	1.631	0.0019	-2.5 to 2.5	Pass
				40	3.85	2.003	0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
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

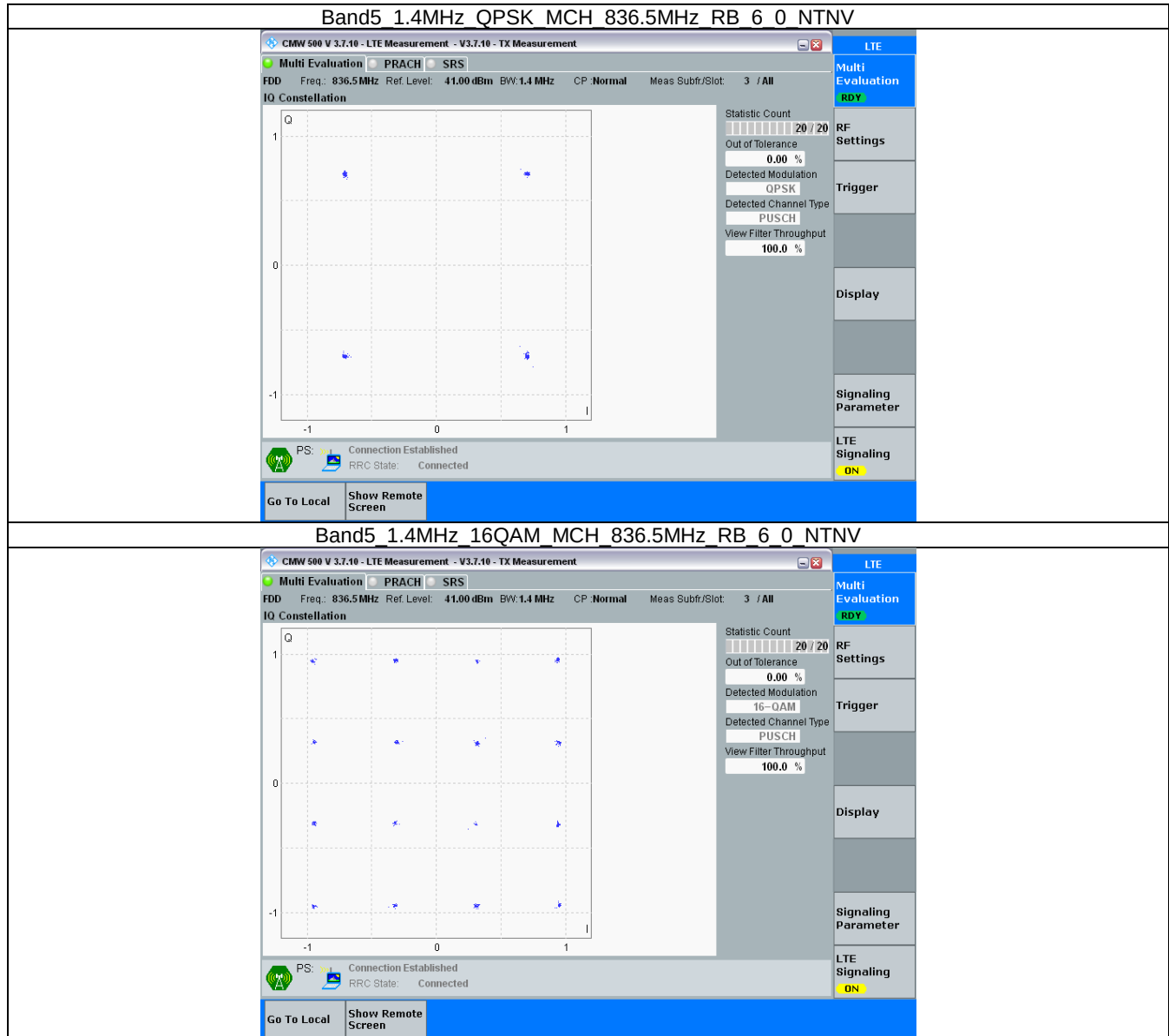
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

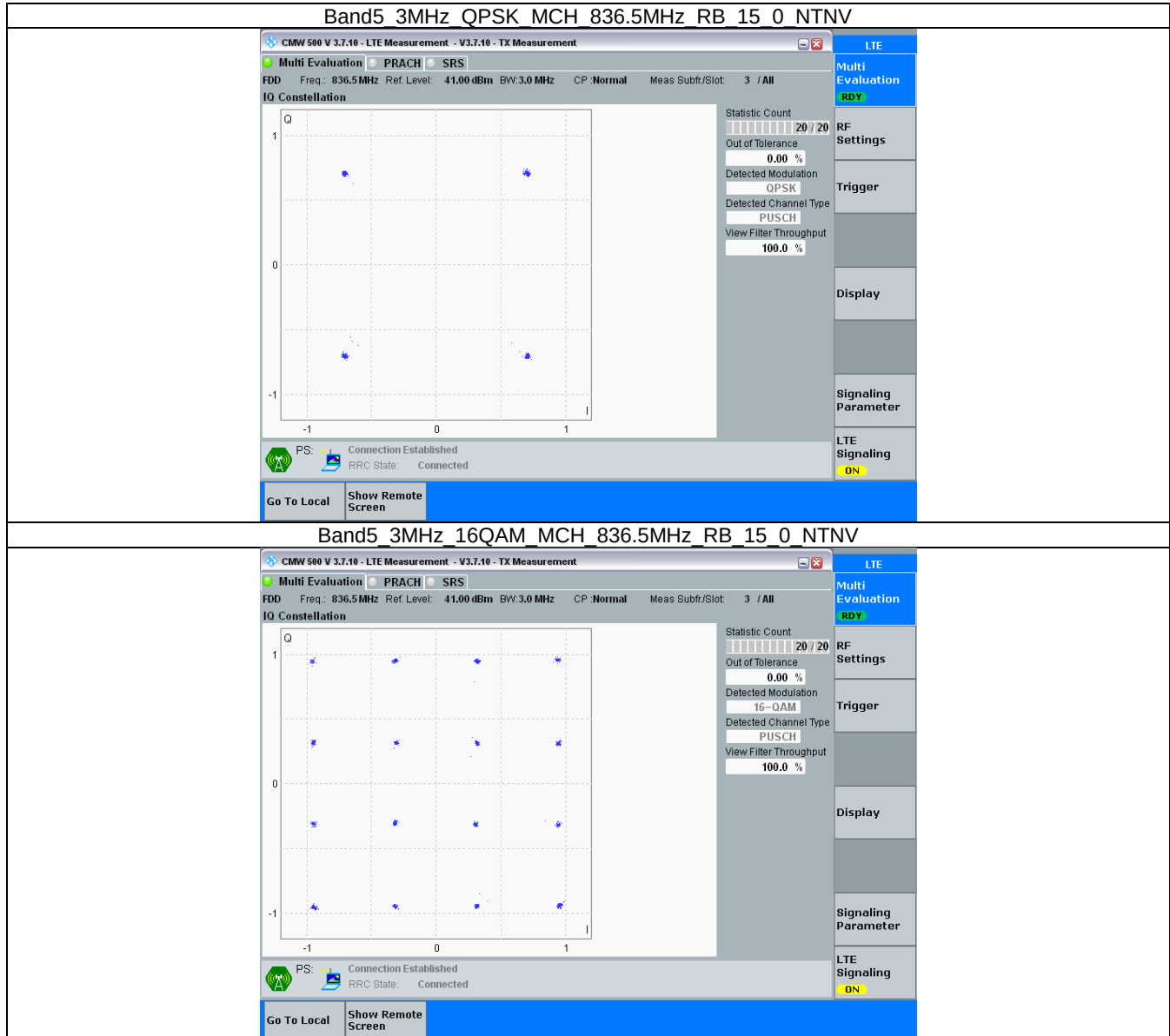
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

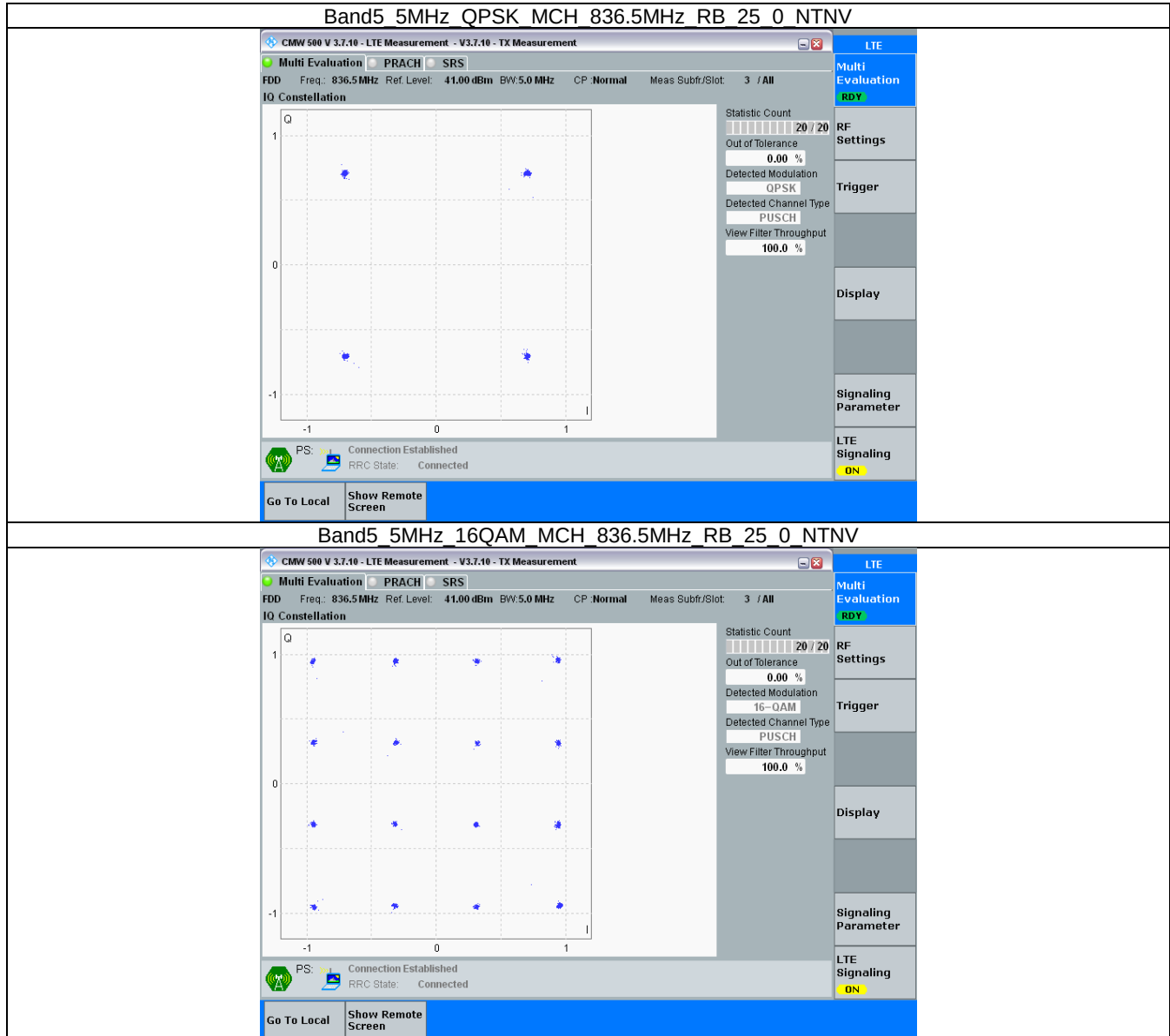
3.2.1 B5_1.4MHz



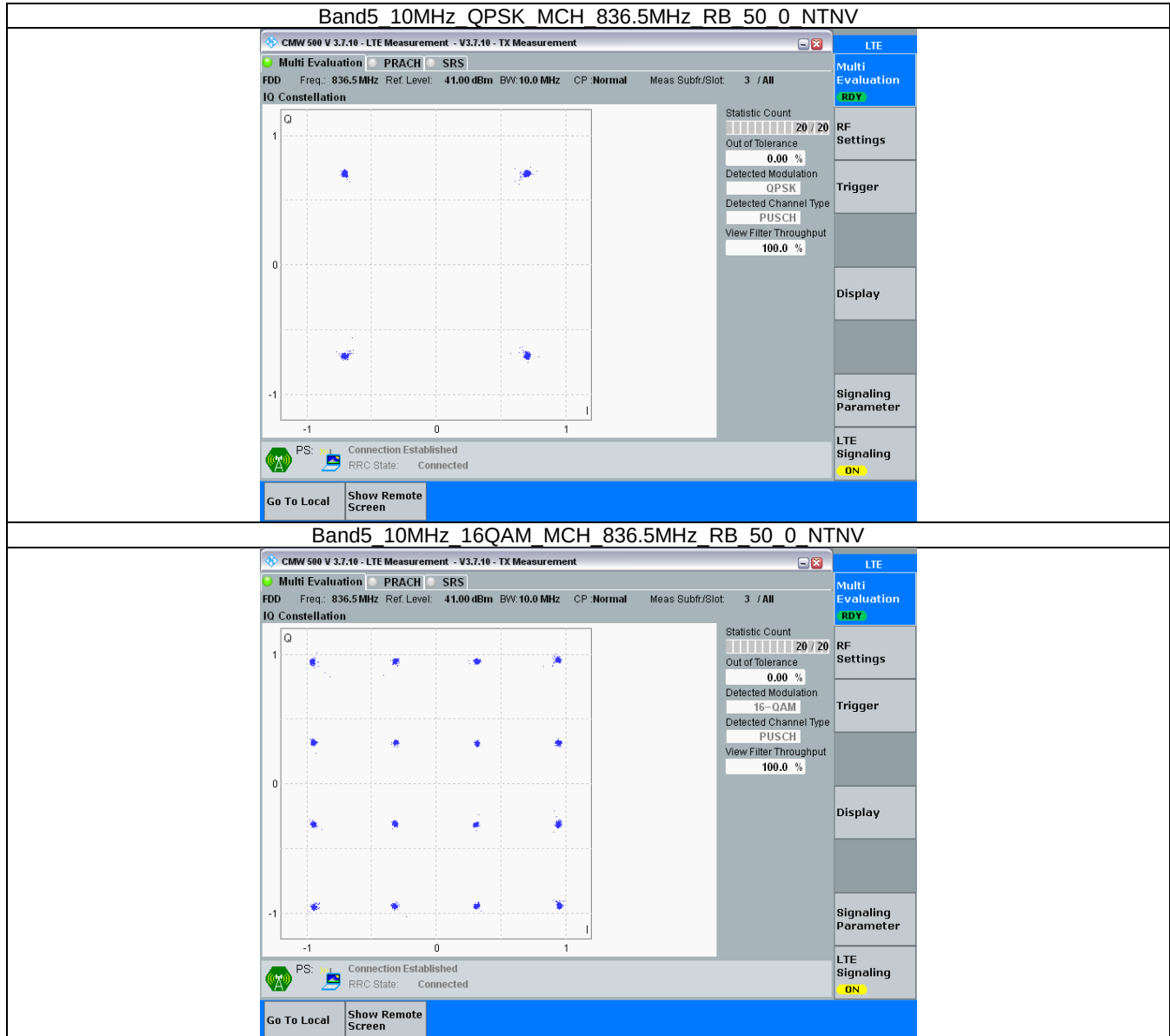
3.2.2 B5_3MHz



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	1.095	/	Pass
		836.5	6	0	1.085	/	Pass
		848.3	6	0	1.084	/	Pass
	16QAM	824.7	6	0	1.085	/	Pass
		836.5	6	0	1.083	/	Pass
		848.3	6	0	1.088	/	Pass
3	QPSK	825.5	15	0	2.685	/	Pass
		836.5	15	0	2.694	/	Pass
		847.5	15	0	2.685	/	Pass
	16QAM	825.5	15	0	2.677	/	Pass
		836.5	15	0	2.679	/	Pass
		847.5	15	0	2.682	/	Pass
5	QPSK	826.5	25	0	4.510	/	Pass
		836.5	25	0	4.518	/	Pass
		846.5	25	0	4.526	/	Pass
	16QAM	826.5	25	0	4.509	/	Pass
		836.5	25	0	4.502	/	Pass
		846.5	25	0	4.508	/	Pass
10	QPSK	829	50	0	8.940	/	Pass
		836.5	50	0	8.967	/	Pass
		844	50	0	8.968	/	Pass
	16QAM	829	50	0	8.951	/	Pass
		836.5	50	0	8.967	/	Pass
		844	50	0	8.937	/	Pass

4.1.2 Band5_XDB

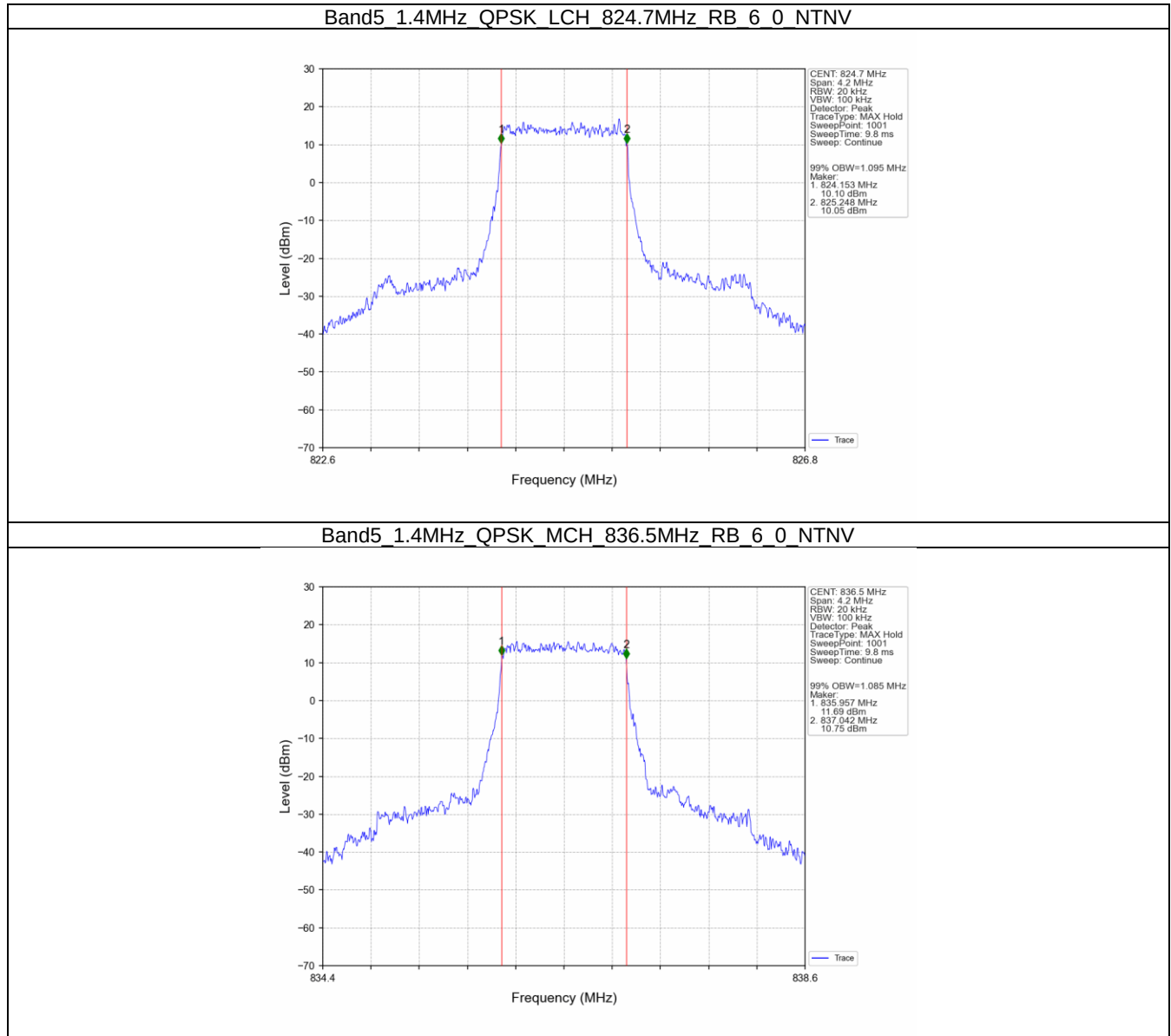
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.252	/	Pass
		836.5	6	0	1.282	/	Pass
		848.3	6	0	1.257	/	Pass
	16QAM	824.7	6	0	1.263	/	Pass
		836.5	6	0	1.245	/	Pass
		848.3	6	0	1.287	/	Pass
3	QPSK	825.5	15	0	2.888	/	Pass
		836.5	15	0	2.868	/	Pass
		847.5	15	0	2.894	/	Pass
	16QAM	825.5	15	0	2.883	/	Pass
		836.5	15	0	2.889	/	Pass
		847.5	15	0	2.898	/	Pass
5	QPSK	826.5	25	0	4.934	/	Pass
		836.5	25	0	4.978	/	Pass
		846.5	25	0	4.966	/	Pass
	16QAM	826.5	25	0	4.973	/	Pass
		836.5	25	0	4.948	/	Pass
		846.5	25	0	4.975	/	Pass
10	QPSK	829	50	0	9.544	/	Pass



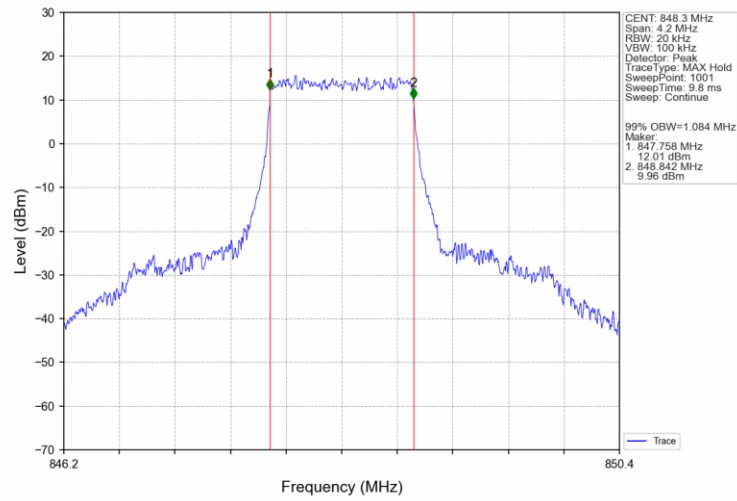
		836.5	50	0	9.561	/	Pass
		844	50	0	9.592	/	Pass
	16QAM	829	50	0	9.617	/	Pass
		836.5	50	0	9.579	/	Pass
		844	50	0	9.587	/	Pass

4.2 Test Graph

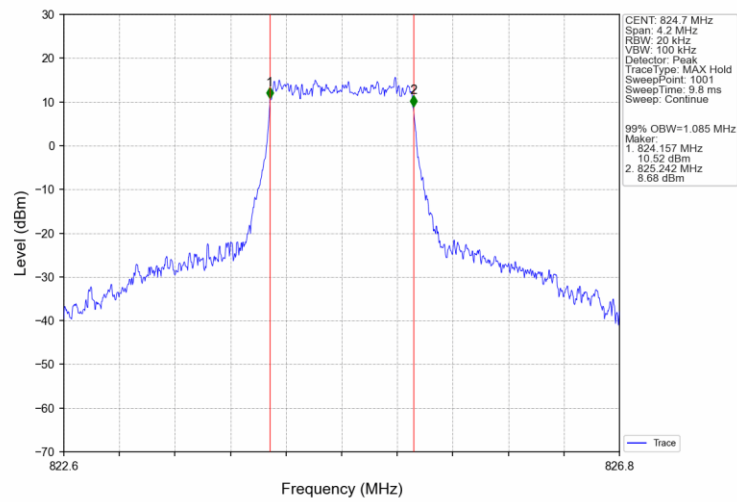
4.2.1 Band5_OBW



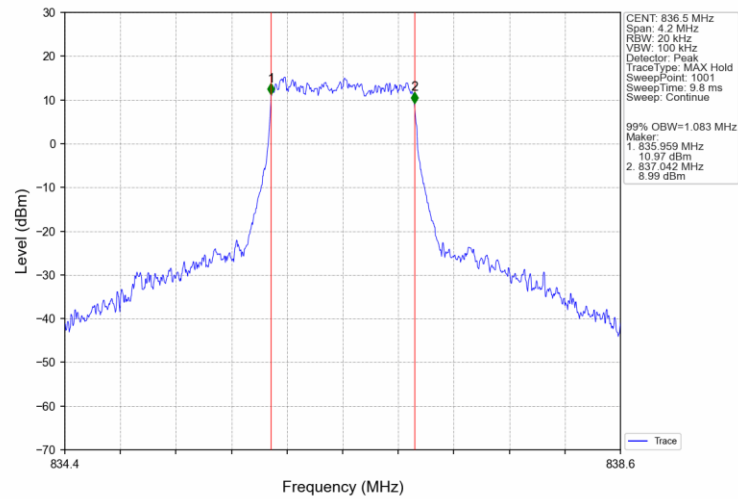
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



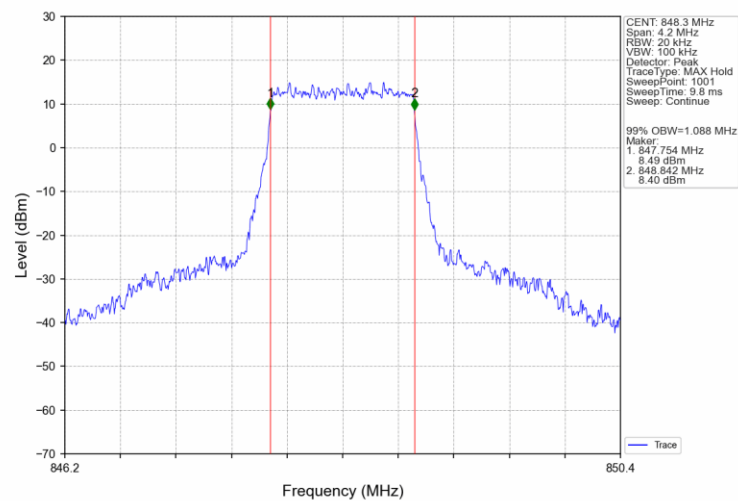
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



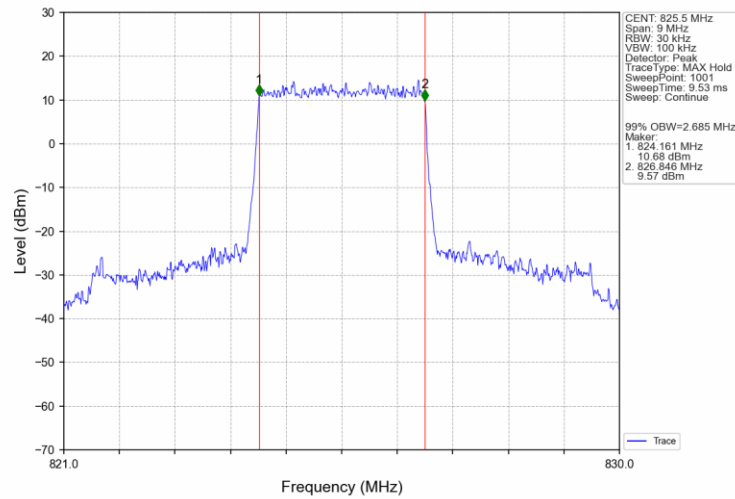
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



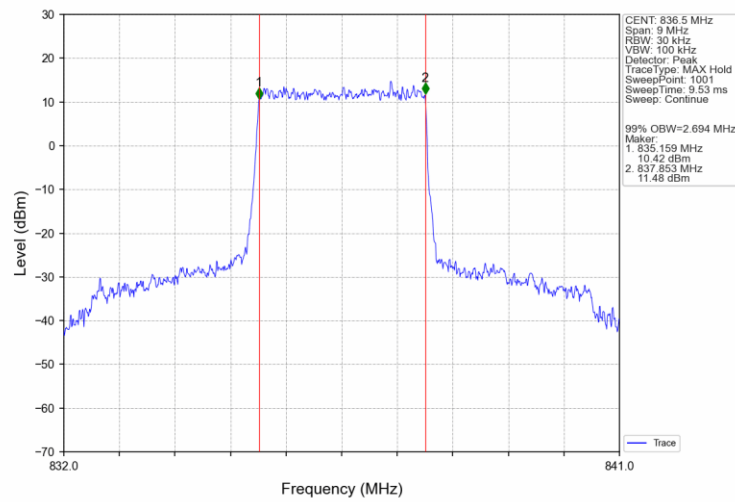
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



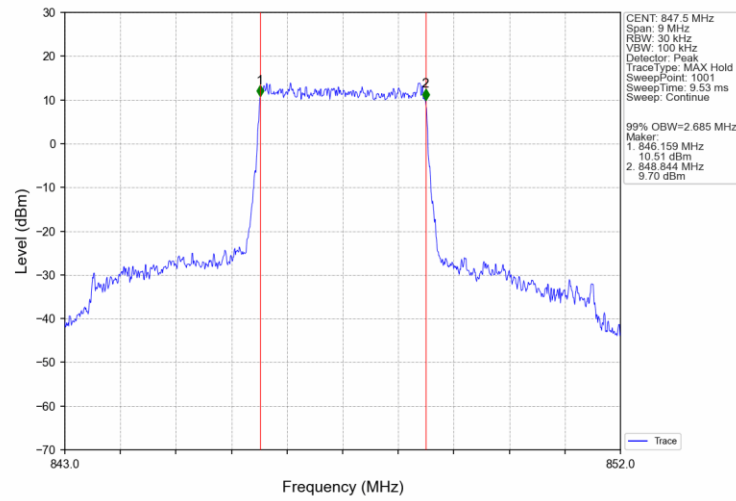
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



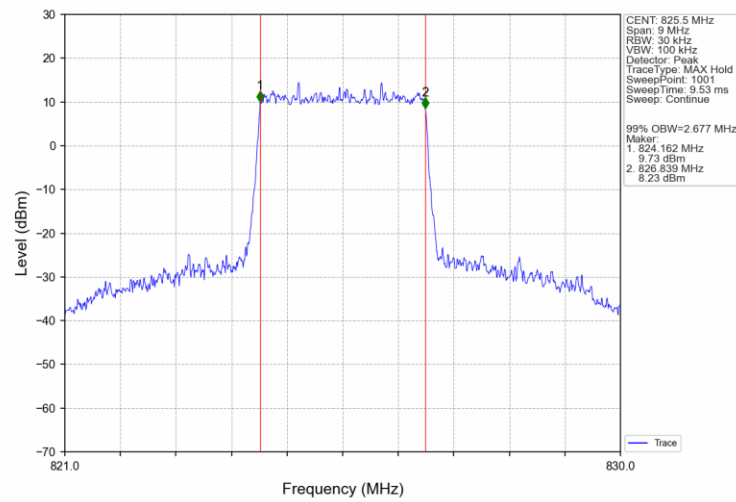
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



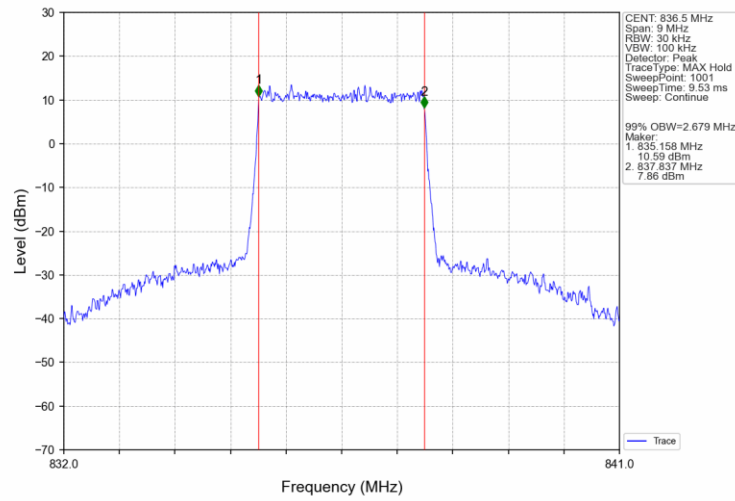
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



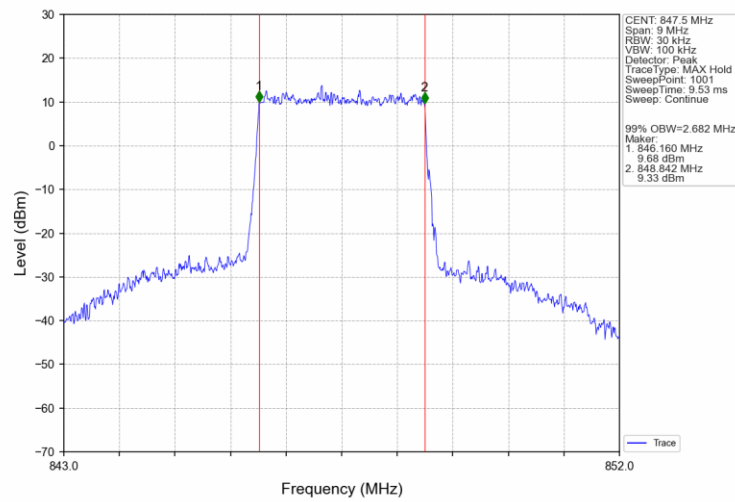
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



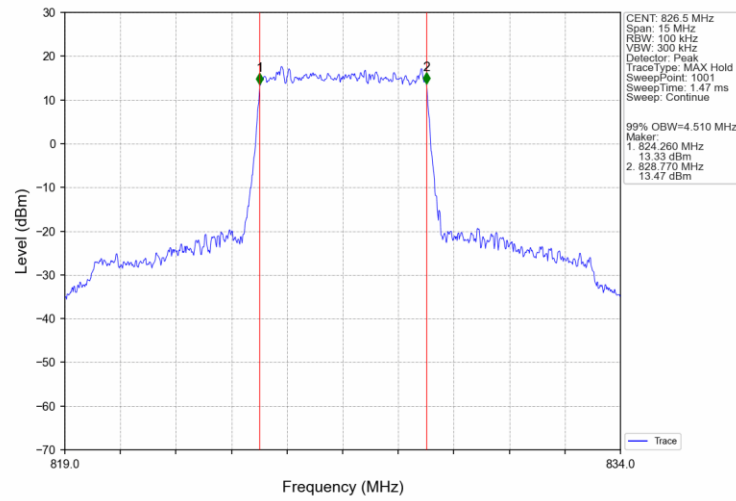
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



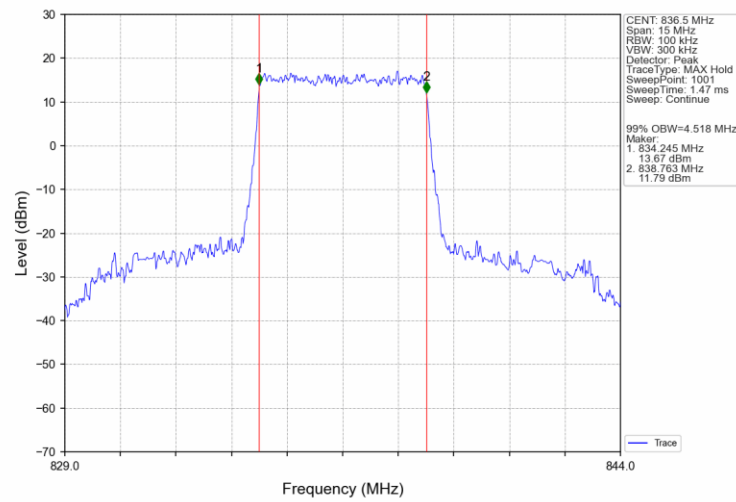
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



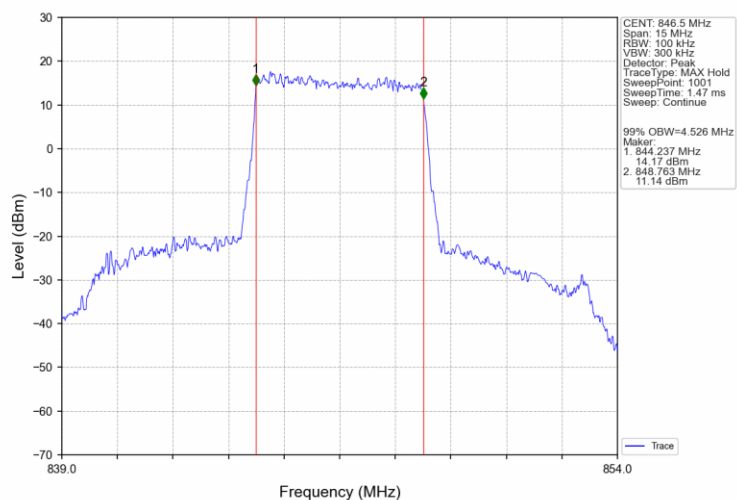
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



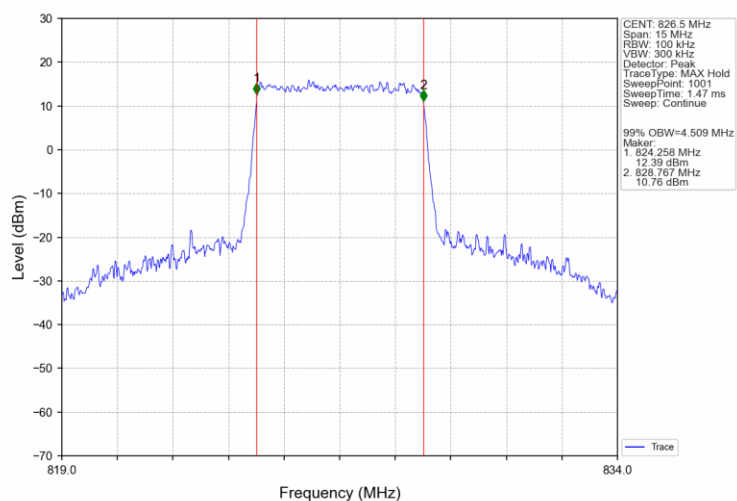
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



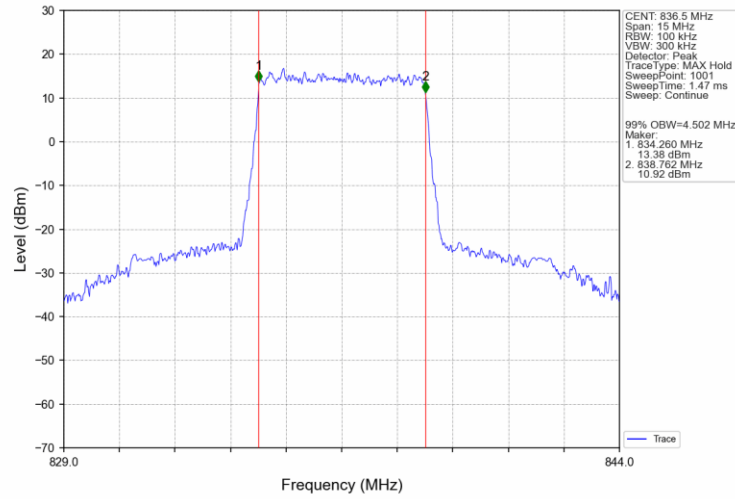
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



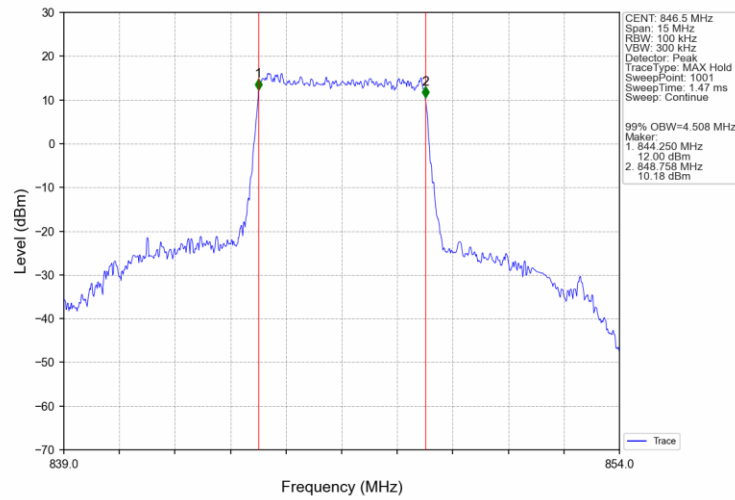
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



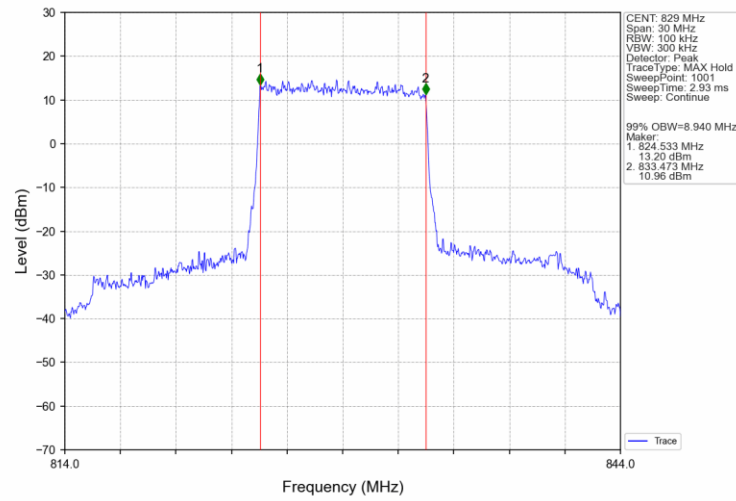
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



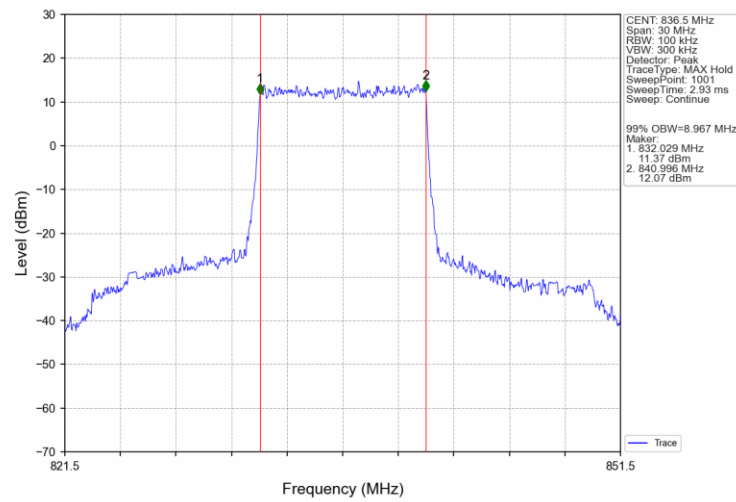
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



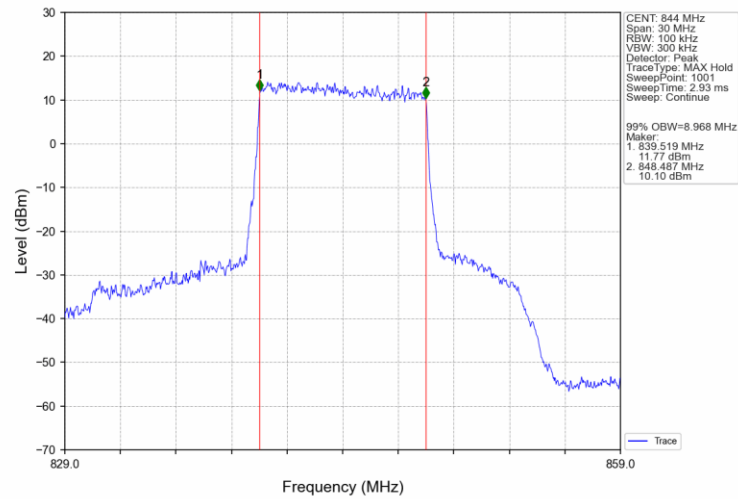
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



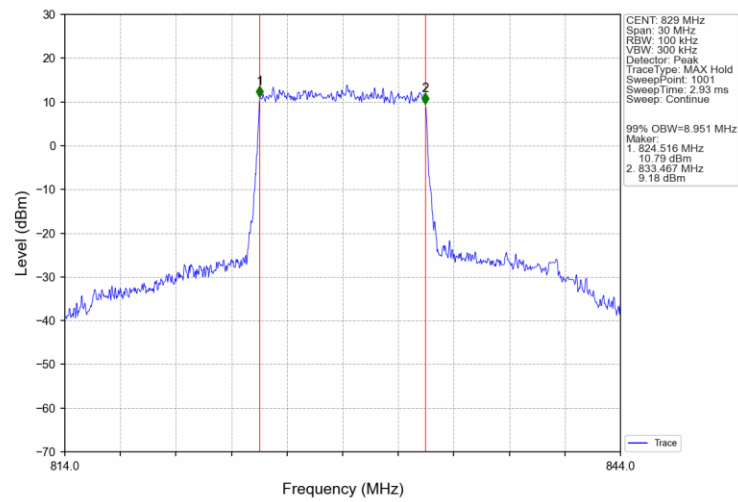
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



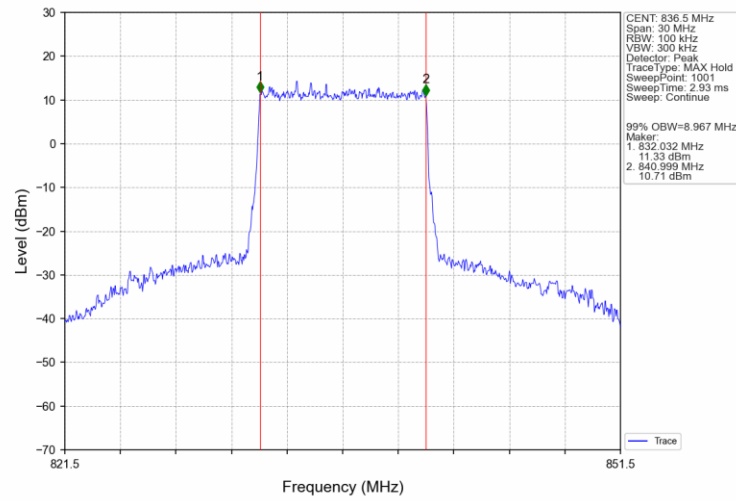
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



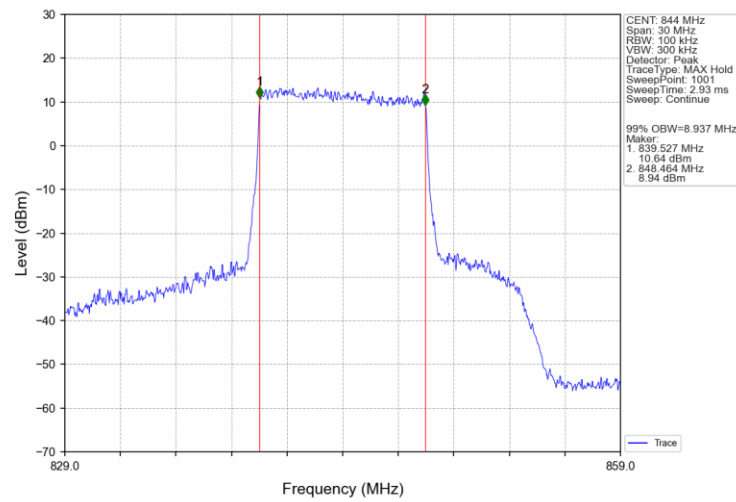
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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

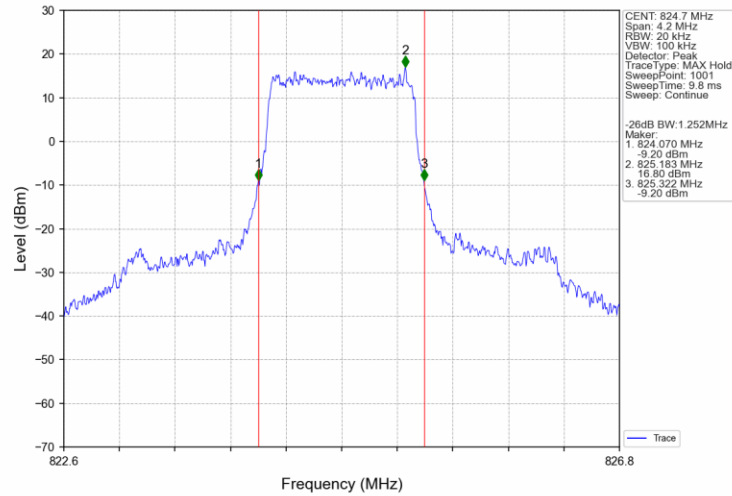


Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV

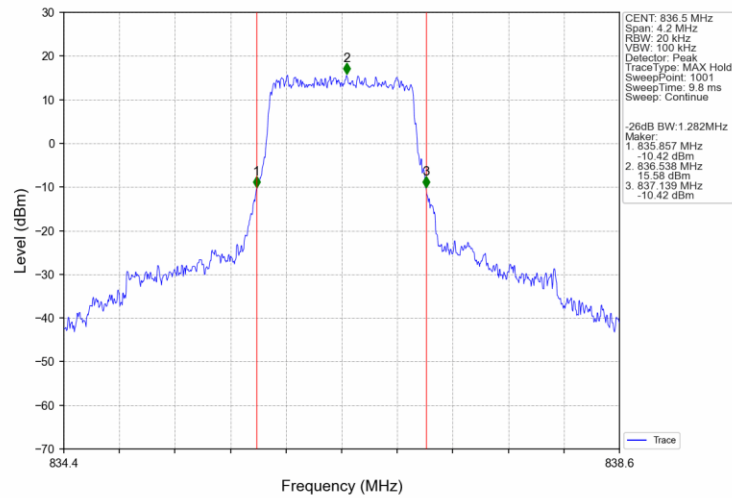


4.2.2 Band5_XDB

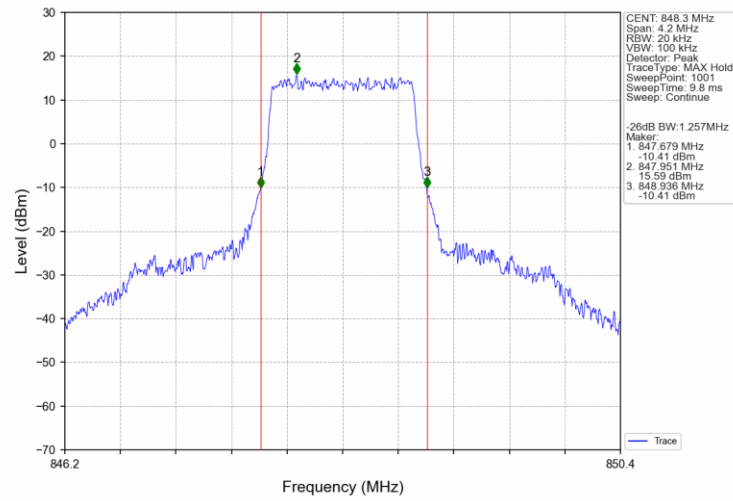
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN



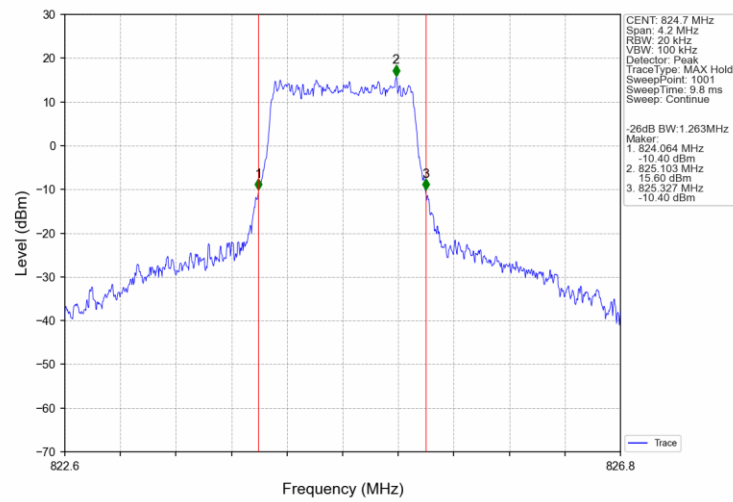
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTN



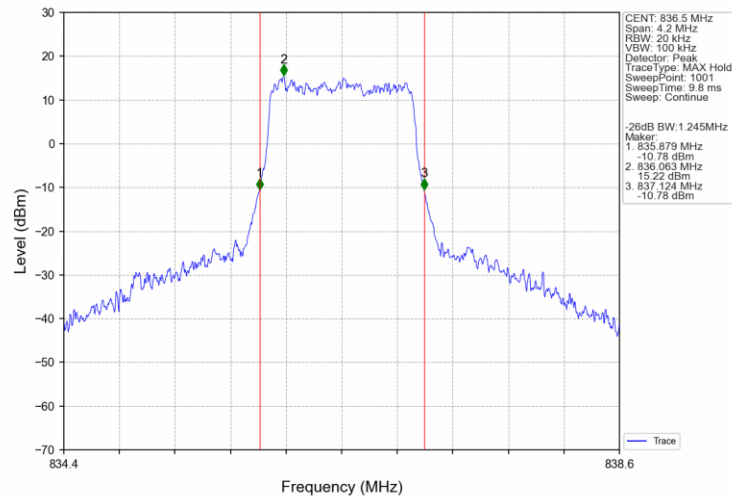
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



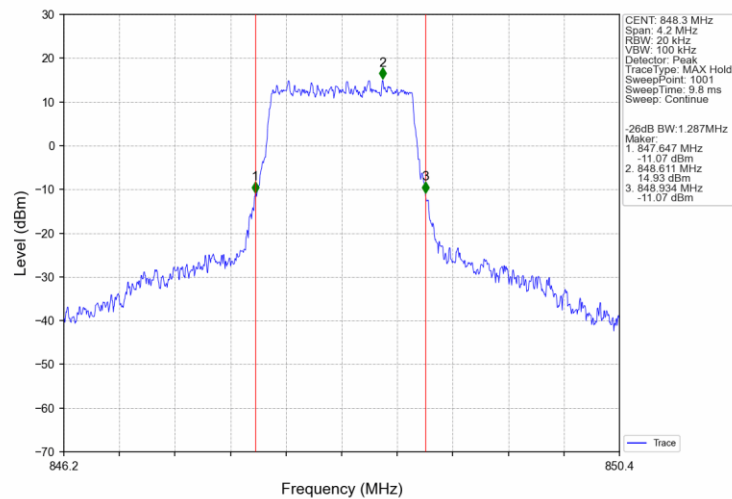
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



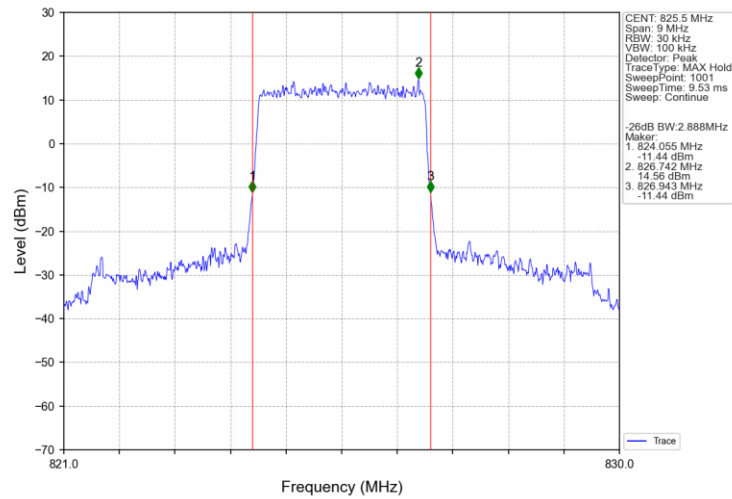
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



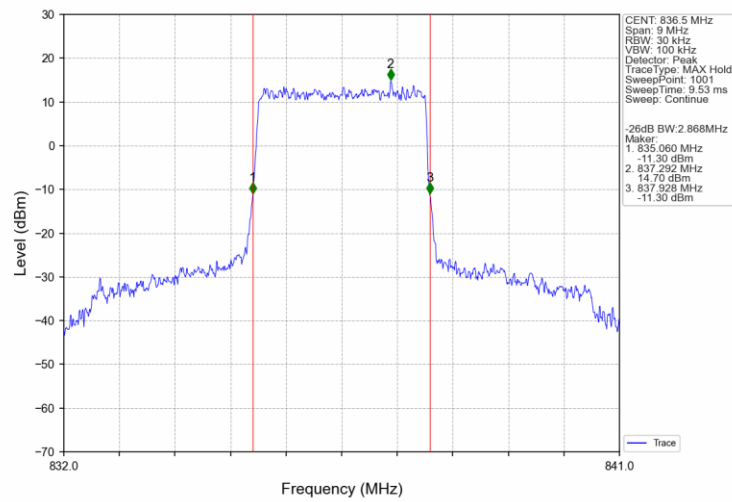
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



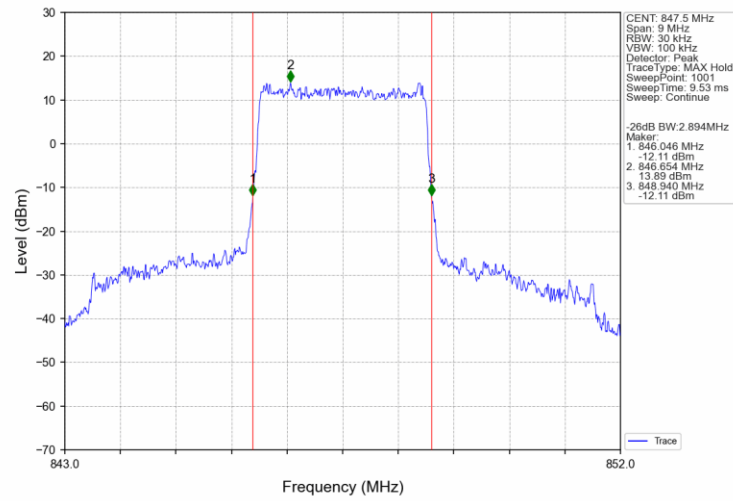
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



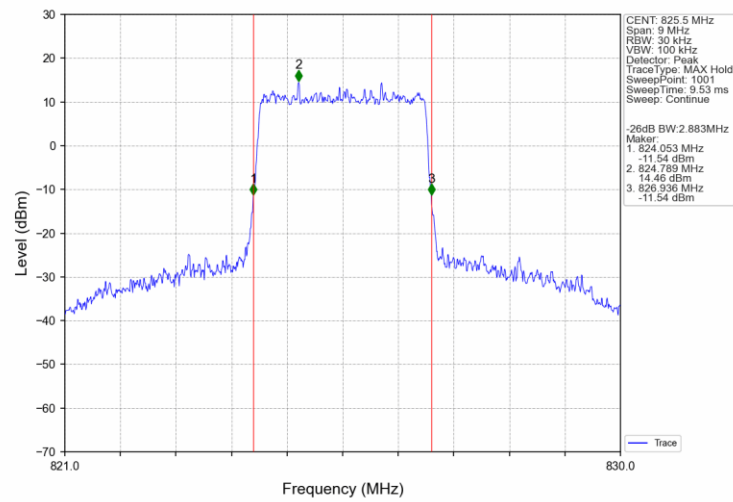
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



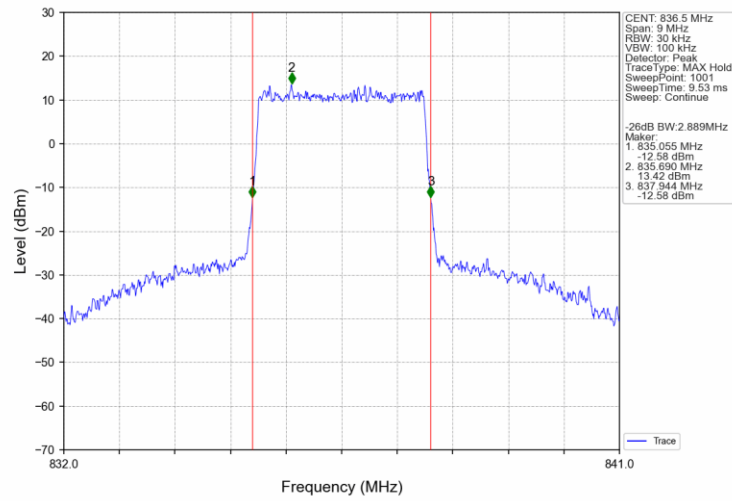
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



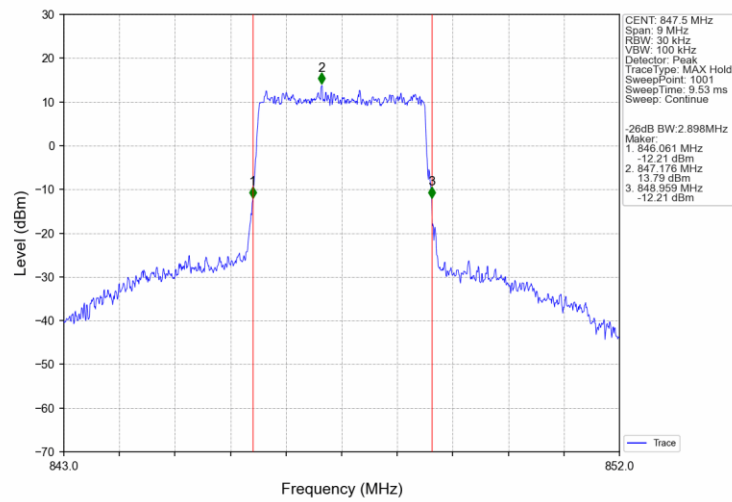
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



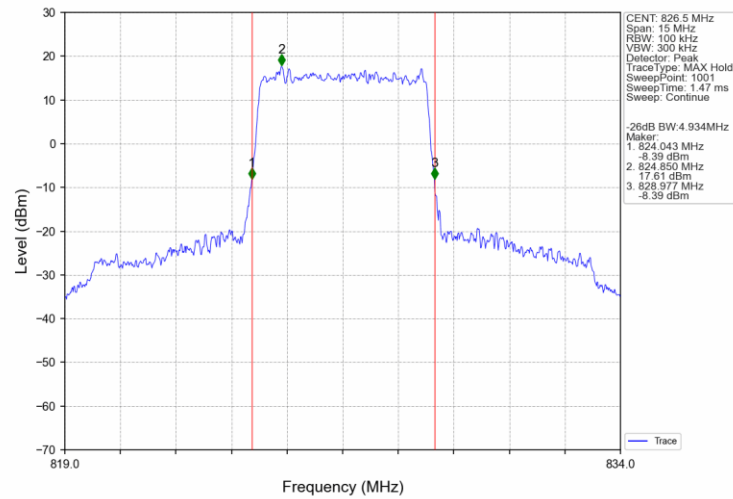
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



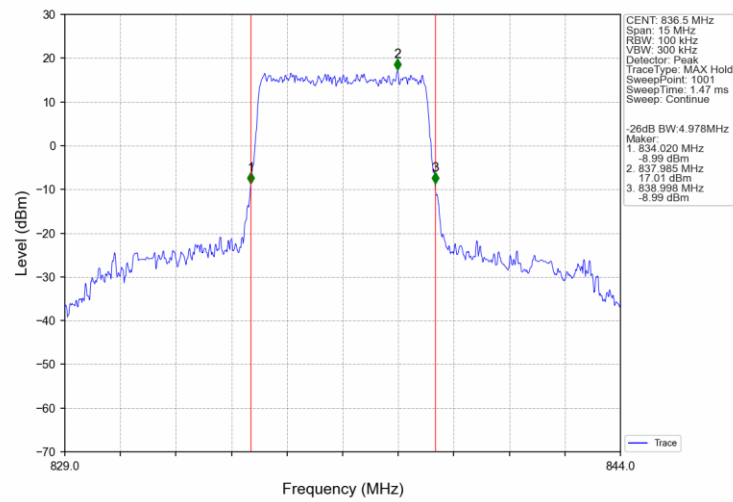
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



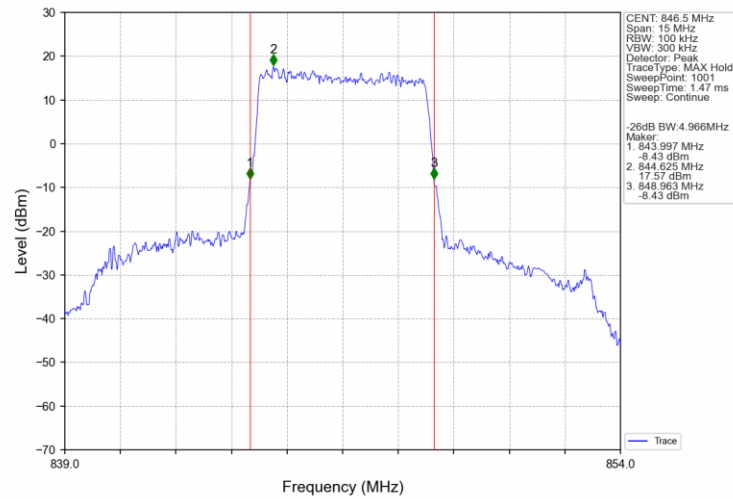
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



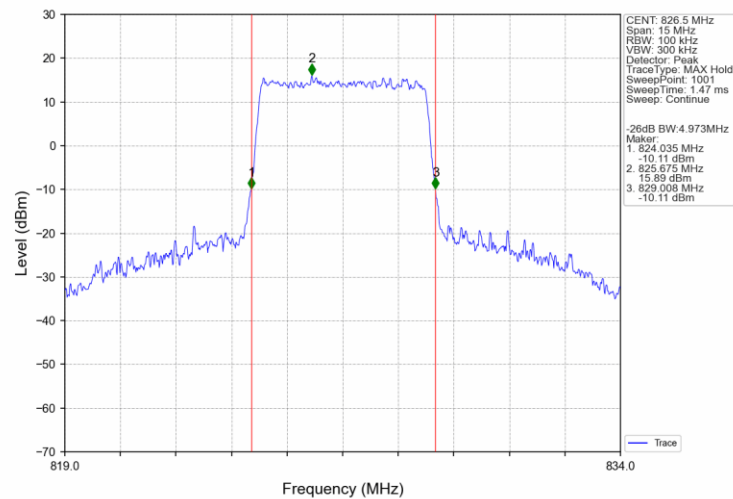
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



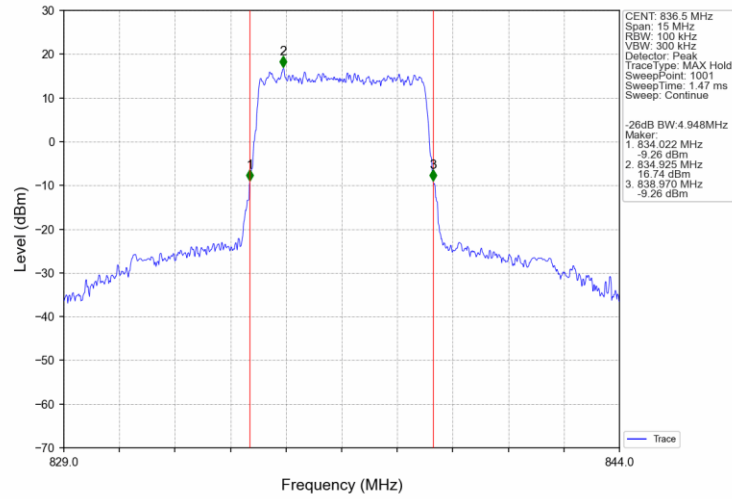
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



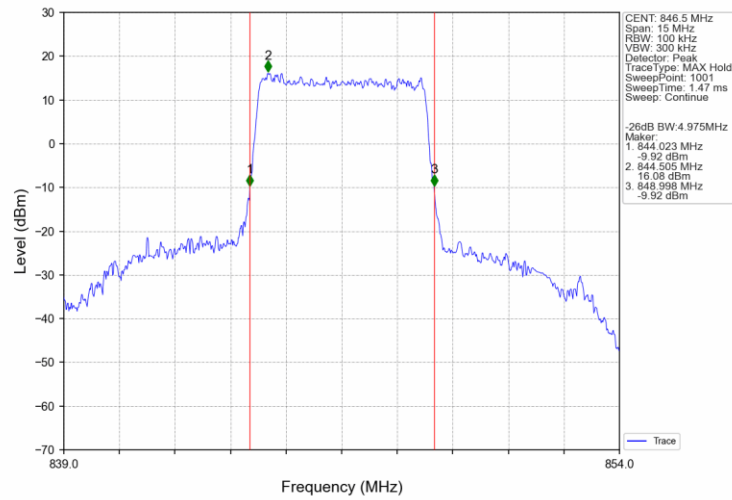
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



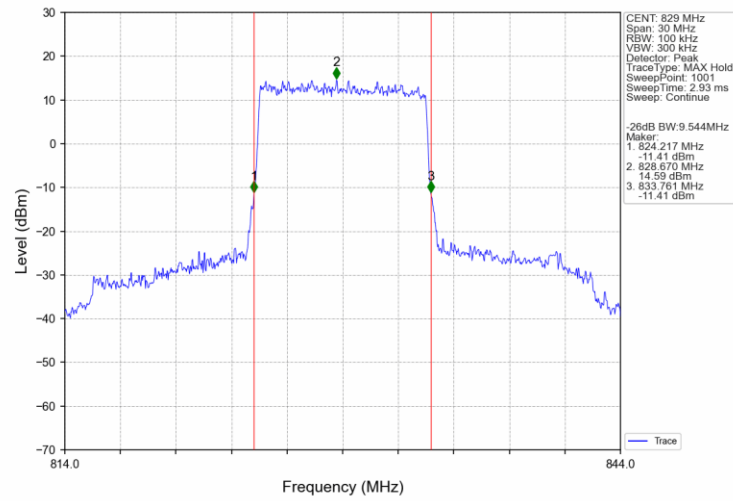
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



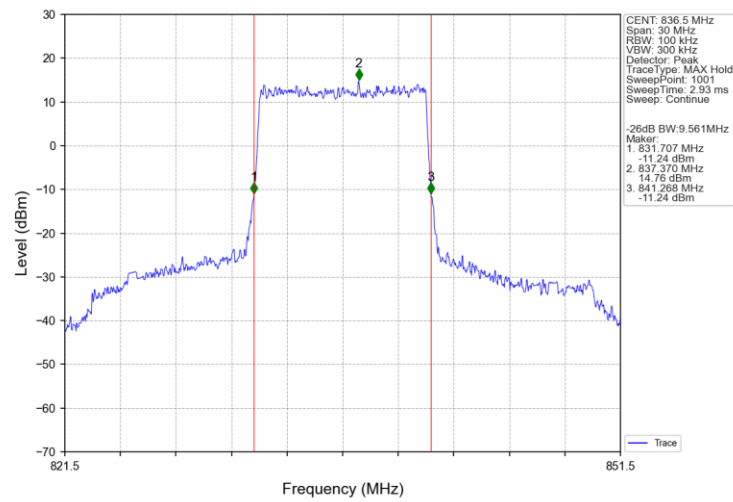
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



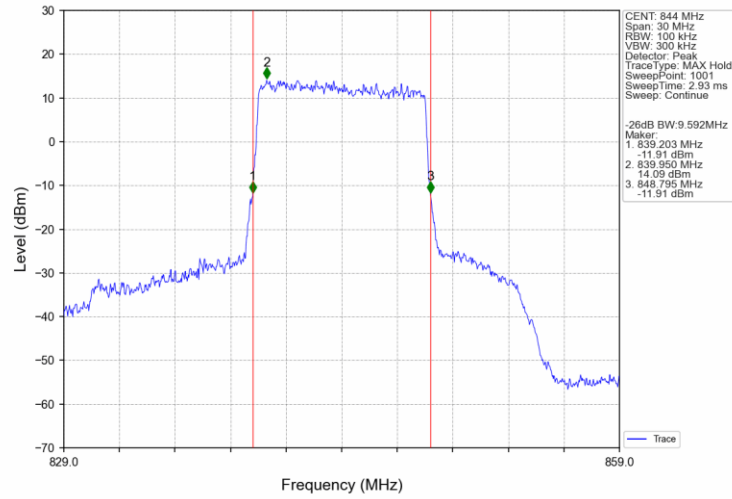
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



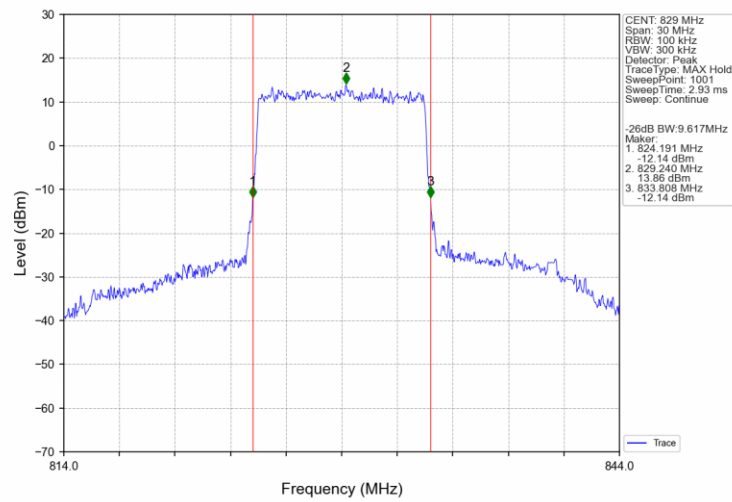
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



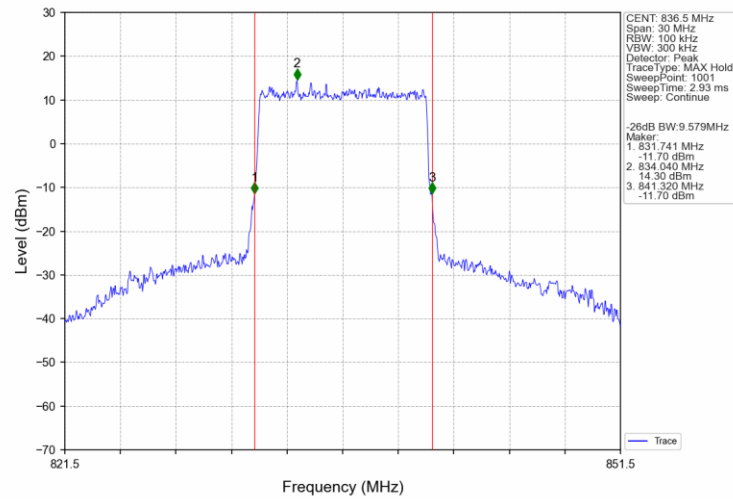
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



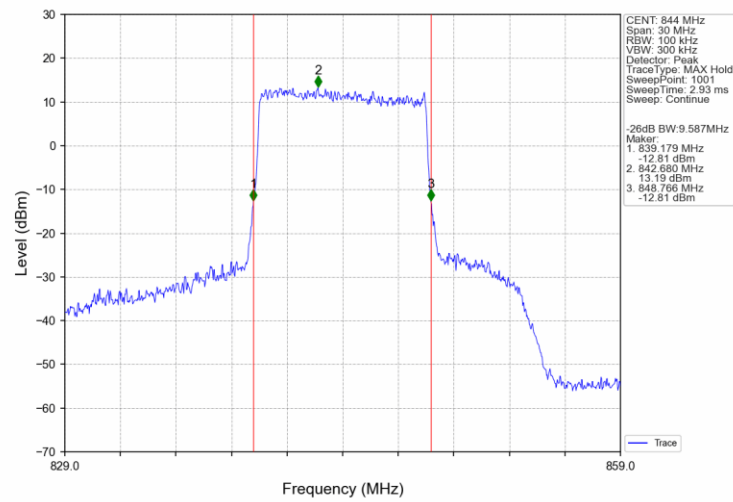
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	4.79	<=13	Pass
	836.5	6	0	5.33	<=13	Pass
	848.3	6	0	5.12	<=13	Pass
16QAM	824.7	6	0	5.61	<=13	Pass
	836.5	6	0	6.19	<=13	Pass
	848.3	6	0	5.90	<=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	4.95	<=13	Pass
	836.5	15	0	5.44	<=13	Pass
	847.5	15	0	5.33	<=13	Pass
16QAM	825.5	15	0	5.76	<=13	Pass
	836.5	15	0	6.29	<=13	Pass
	847.5	15	0	6.14	<=13	Pass

5.1.3 B5_5MHz

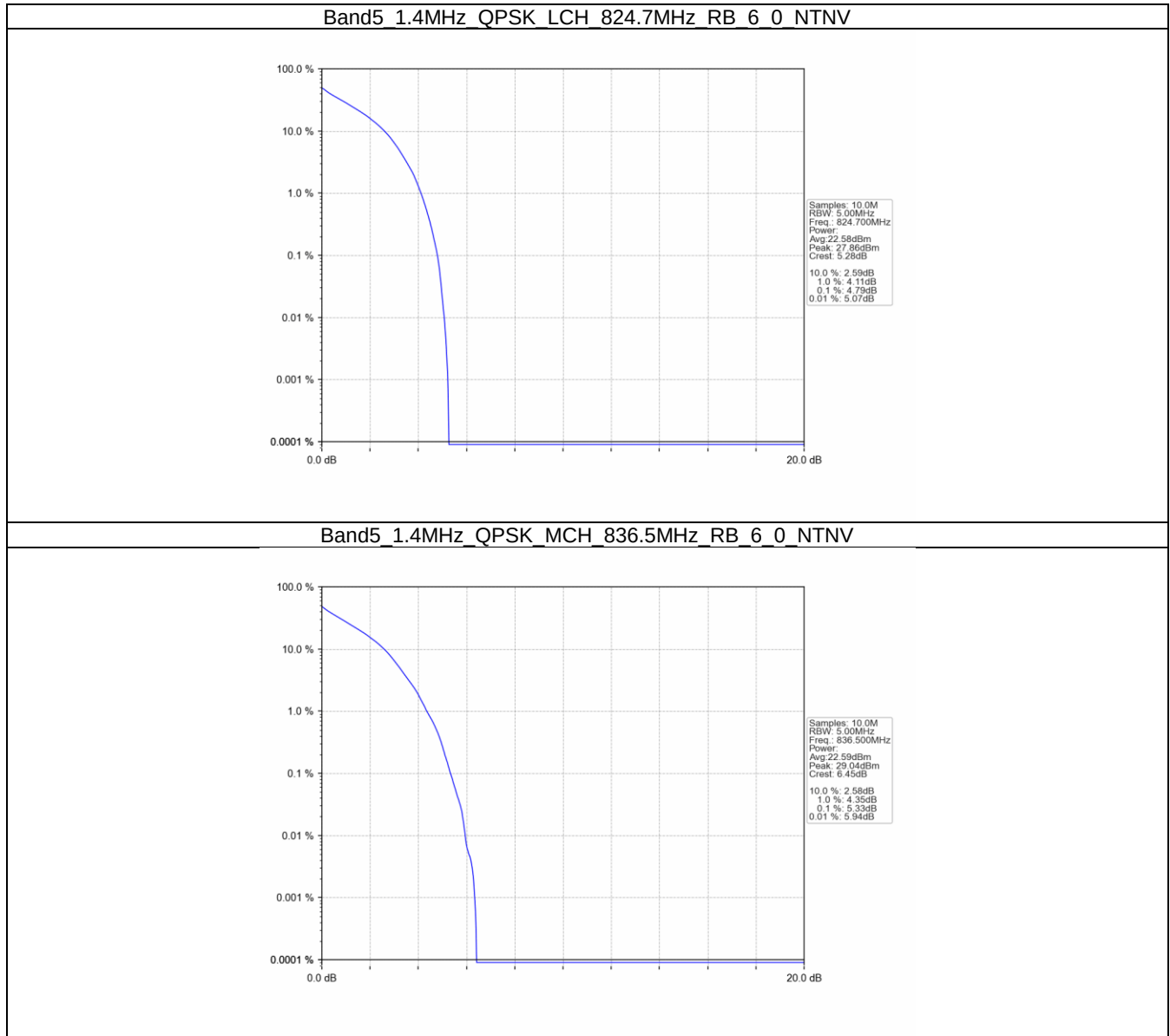
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.18	<=13	Pass
	836.5	25	0	5.60	<=13	Pass
	846.5	25	0	5.52	<=13	Pass
16QAM	826.5	25	0	5.89	<=13	Pass
	836.5	25	0	6.33	<=13	Pass
	846.5	25	0	6.18	<=13	Pass

5.1.4 B5_10MHz

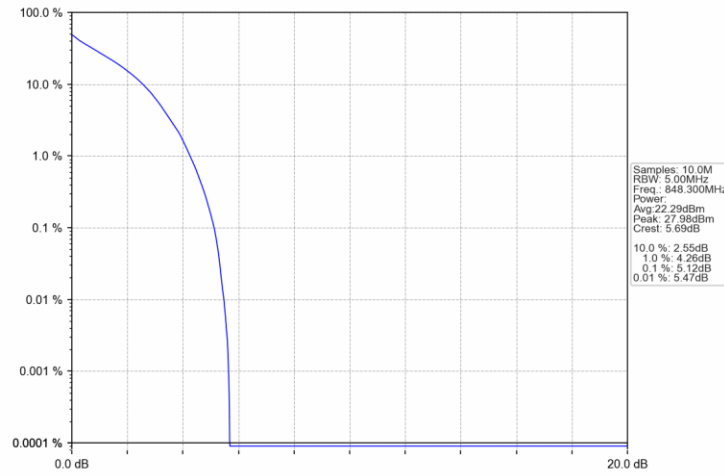
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.19	<=13	Pass
	836.5	50	0	5.52	<=13	Pass
	844	50	0	5.44	<=13	Pass
16QAM	829	50	0	5.98	<=13	Pass
	836.5	50	0	6.30	<=13	Pass
	844	50	0	6.18	<=13	Pass

5.2 Test Graph

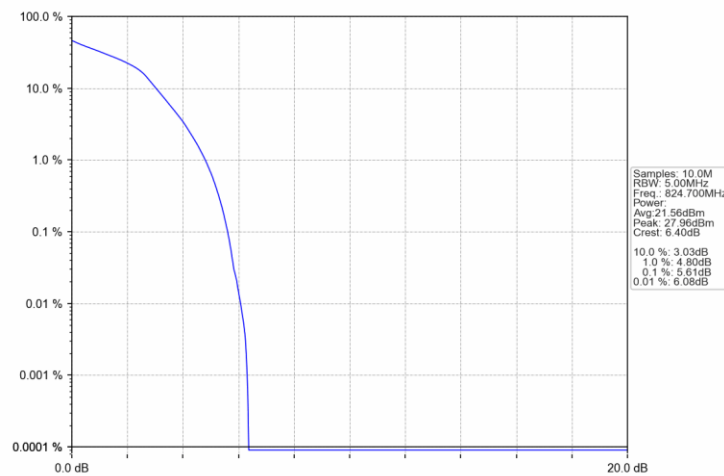
5.2.1 B5_1.4MHz



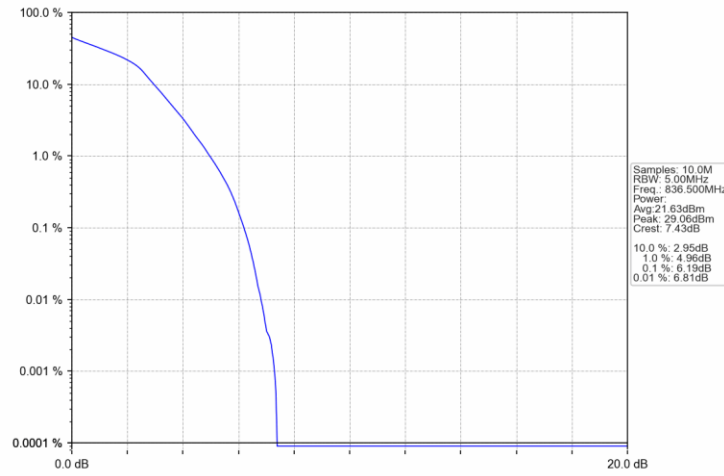
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



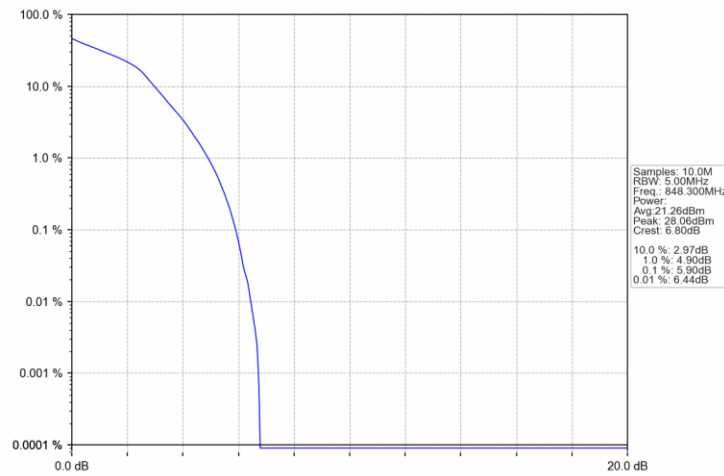
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV

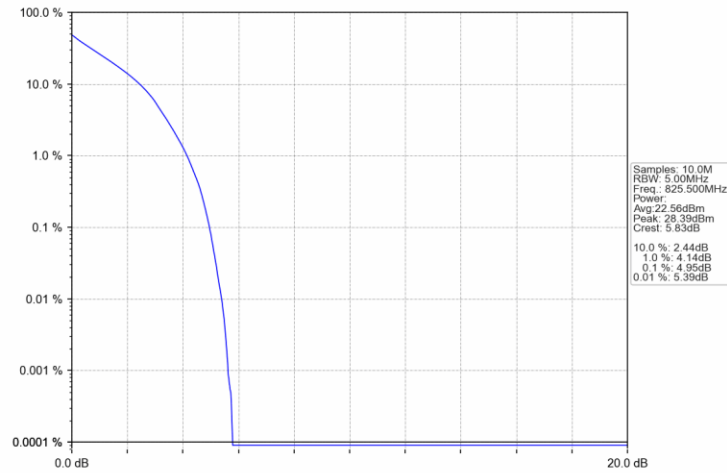


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

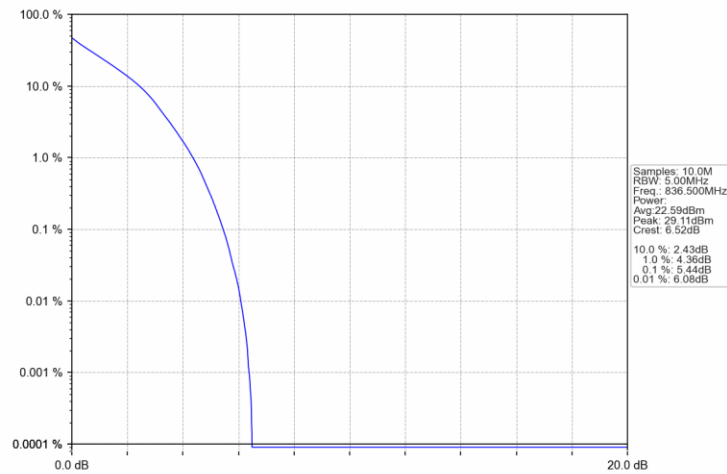


5.2.2 B5_3MHz

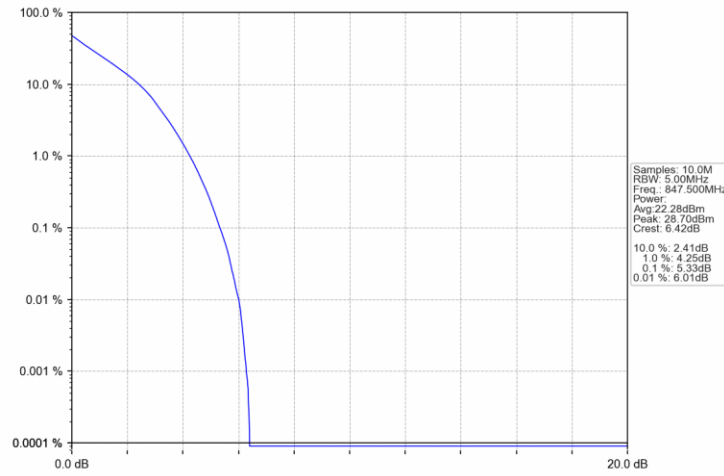
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



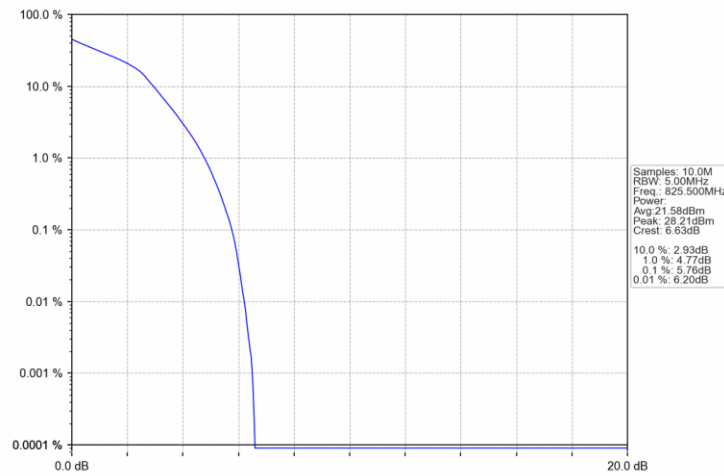
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



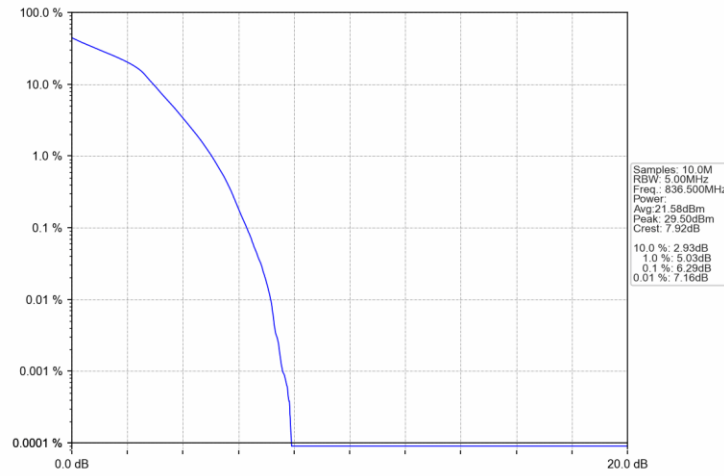
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



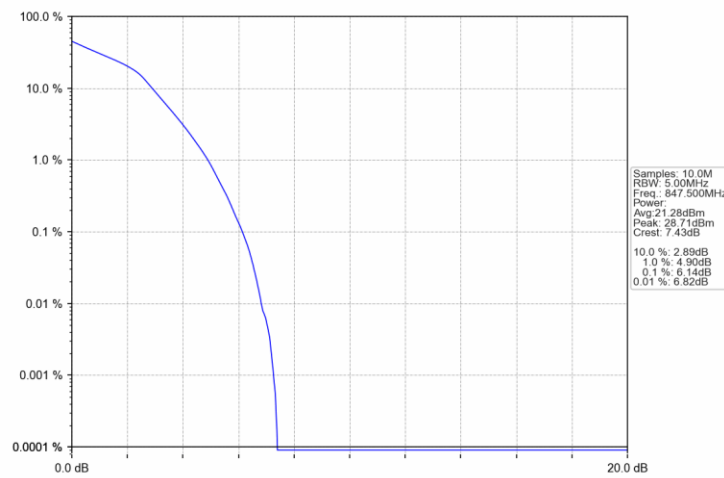
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



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

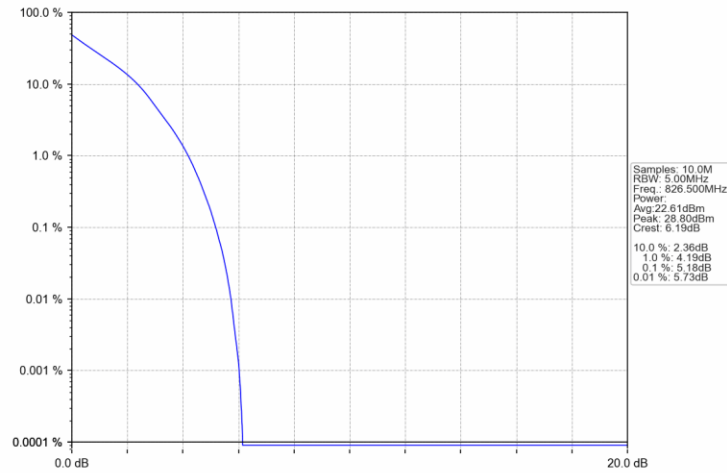


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

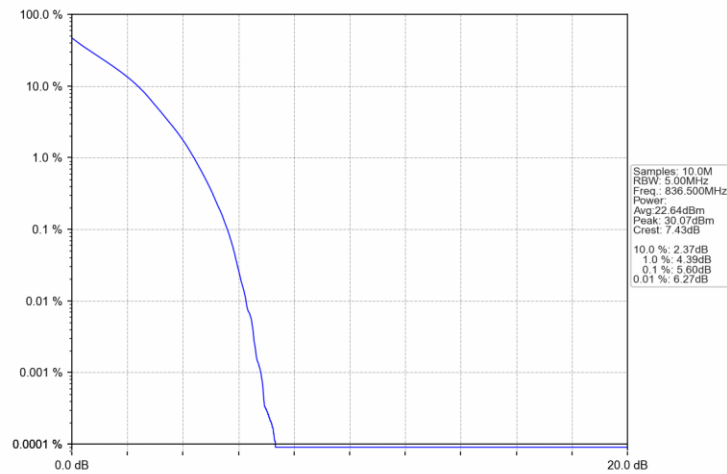


5.2.3 B5_5MHz

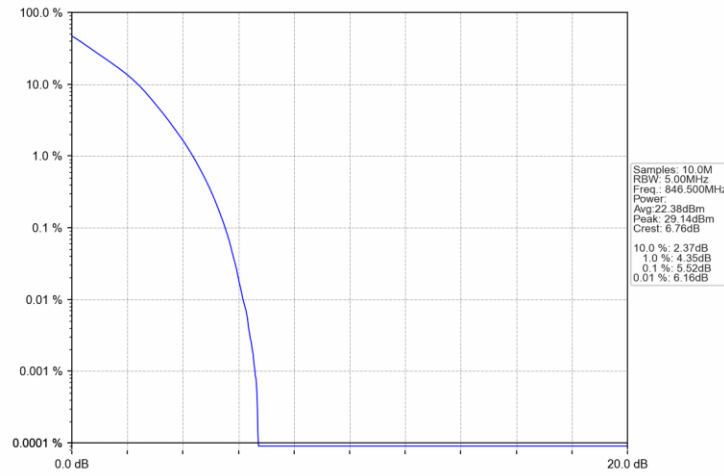
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



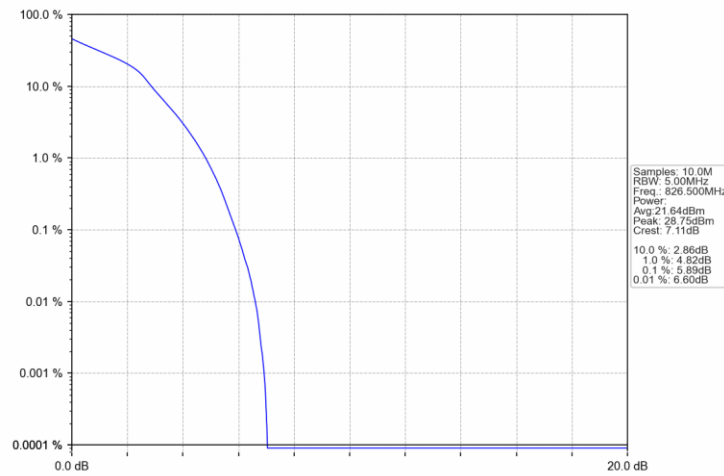
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



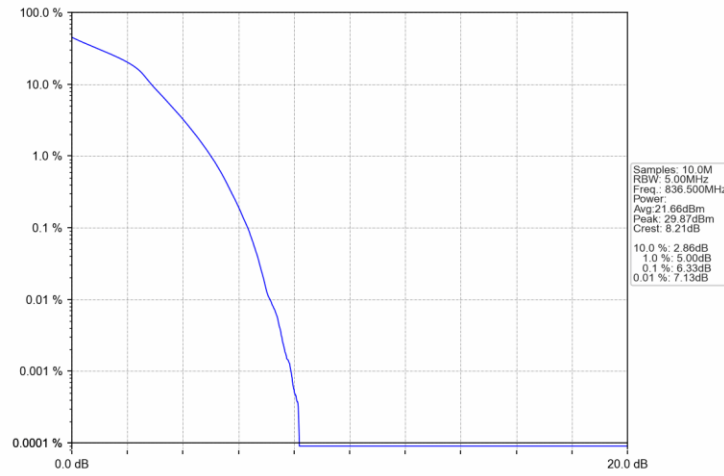
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



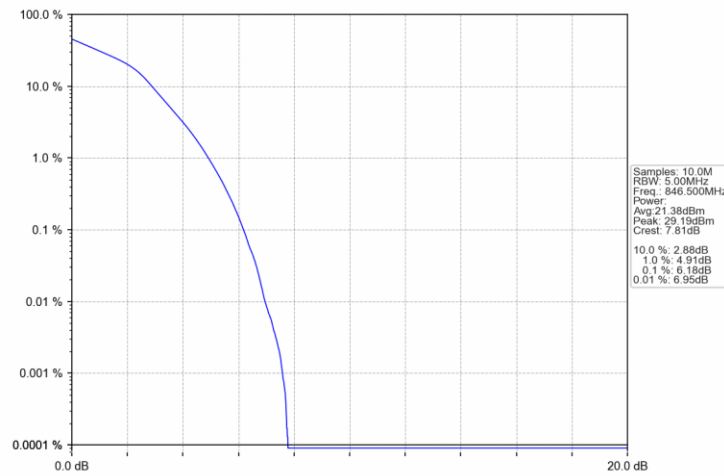
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



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

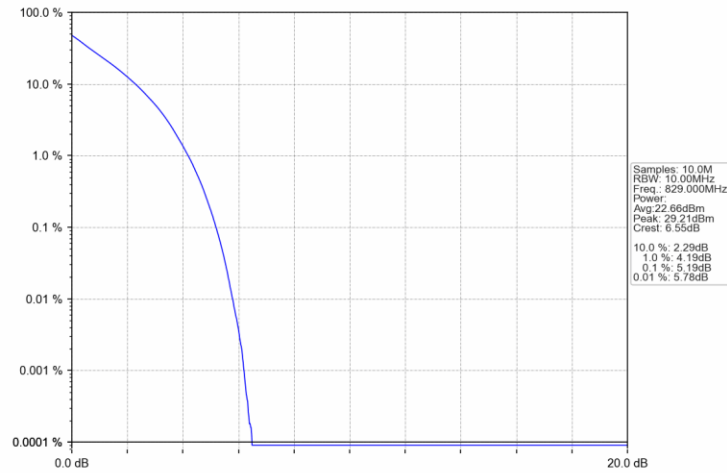


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

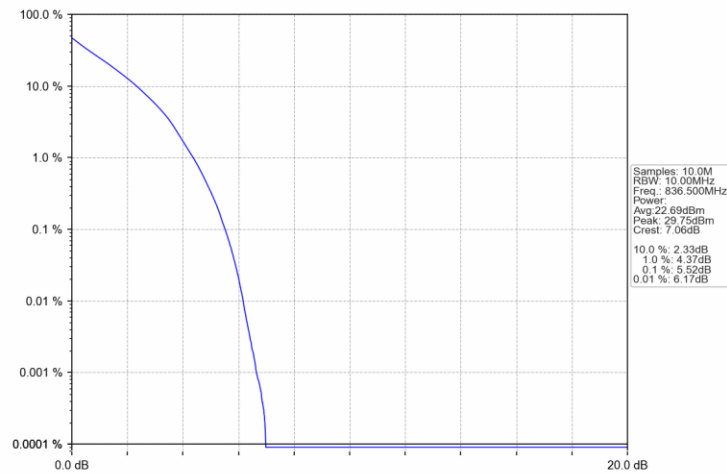


5.2.4 B5_10MHz

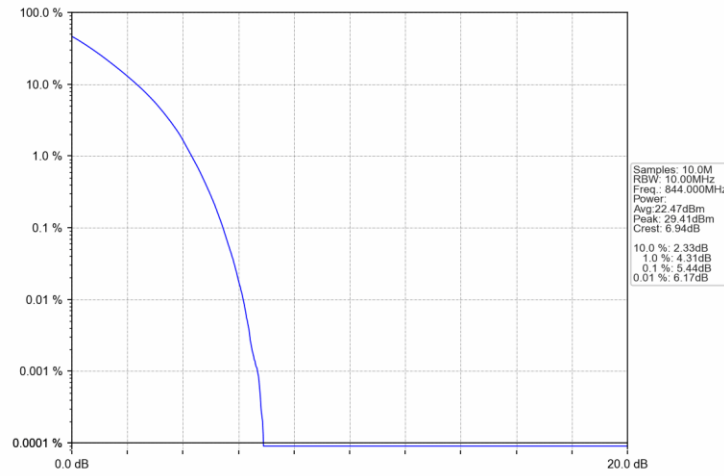
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



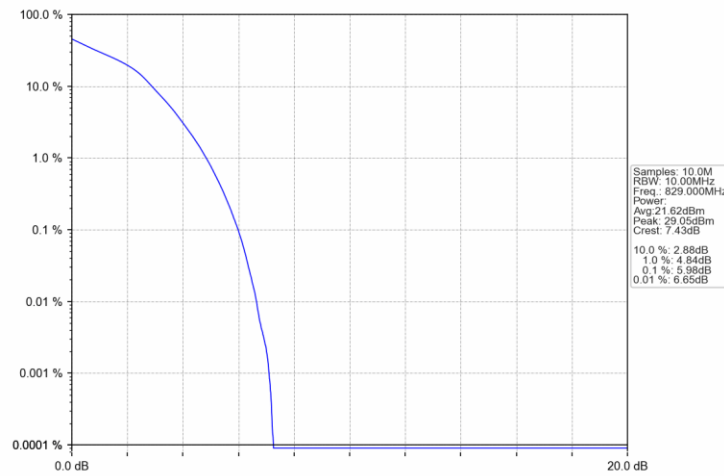
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



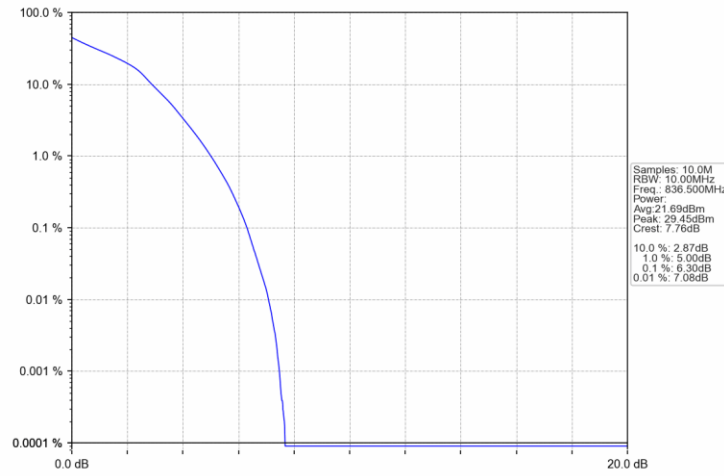
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



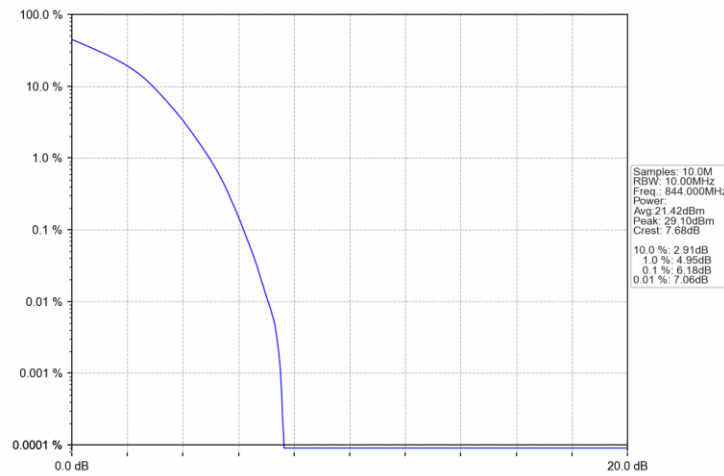
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	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

6.1.2 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
16QAM	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

6.1.3 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
16QAM	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

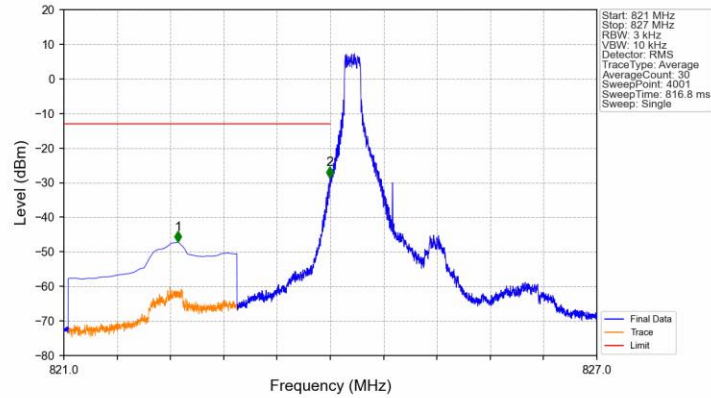
6.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	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

6.2 Test Graph

6.2.1 B5_1.4MHz

Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.285	-47.20	-13	Pass
823	824	0.003	/	2	823.995	-28.48	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV

