

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	23.87	-0.80	20.92	<=34.77	Pass
			7	23.76	-0.80	20.81	<=34.77	Pass
			14	23.90	-0.80	20.95	<=34.77	Pass
		8	0	22.81	-0.80	19.86	<=34.77	Pass
			4	22.84	-0.80	19.89	<=34.77	Pass
			7	22.77	-0.80	19.82	<=34.77	Pass
		15	0	22.73	-0.80	19.78	<=34.77	Pass
	836.5	1	0	23.85	-0.80	20.90	<=34.77	Pass
			7	23.73	-0.80	20.78	<=34.77	Pass
			14	23.90	-0.80	20.95	<=34.77	Pass
		8	0	22.75	-0.80	19.80	<=34.77	Pass
			4	22.84	-0.80	19.89	<=34.77	Pass
			7	22.76	-0.80	19.81	<=34.77	Pass
		15	0	22.80	-0.80	19.85	<=34.77	Pass
	847.5	1	0	23.73	-0.80	20.78	<=34.77	Pass
			7	23.60	-0.80	20.65	<=34.77	Pass
			14	23.78	-0.80	20.83	<=34.77	Pass
		8	0	22.74	-0.80	19.79	<=34.77	Pass
			4	22.82	-0.80	19.87	<=34.77	Pass
			7	22.75	-0.80	19.80	<=34.77	Pass
		15	0	22.72	-0.80	19.77	<=34.77	Pass
16QAM	825.5	1	0	23.14	-0.80	20.19	<=34.77	Pass
			7	23.03	-0.80	20.08	<=34.77	Pass
			14	23.23	-0.80	20.28	<=34.77	Pass
		8	0	21.87	-0.80	18.92	<=34.77	Pass
			4	21.90	-0.80	18.95	<=34.77	Pass
			7	21.81	-0.80	18.86	<=34.77	Pass
		15	0	21.79	-0.80	18.84	<=34.77	Pass
	836.5	1	0	22.74	-0.80	19.79	<=34.77	Pass
			7	22.59	-0.80	19.64	<=34.77	Pass
			14	22.71	-0.80	19.76	<=34.77	Pass
		8	0	21.76	-0.80	18.81	<=34.77	Pass
			4	21.79	-0.80	18.84	<=34.77	Pass
			7	21.73	-0.80	18.78	<=34.77	Pass
		15	0	21.81	-0.80	18.86	<=34.77	Pass
	847.5	1	0	22.71	-0.80	19.76	<=34.77	Pass
			7	22.55	-0.80	19.60	<=34.77	Pass
			14	22.63	-0.80	19.68	<=34.77	Pass
		8	0	21.73	-0.80	18.78	<=34.77	Pass
			4	21.78	-0.80	18.83	<=34.77	Pass
			7	21.69	-0.80	18.74	<=34.77	Pass
		15	0	21.66	-0.80	18.71	<=34.77	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	23.62	-0.80	20.67	<=34.77	Pass
			13	23.76	-0.80	20.81	<=34.77	Pass
			24	23.63	-0.80	20.68	<=34.77	Pass
		12	0	22.72	-0.80	19.77	<=34.77	Pass
			6	22.81	-0.80	19.86	<=34.77	Pass
			13	22.75	-0.80	19.80	<=34.77	Pass
		25	0	22.73	-0.80	19.78	<=34.77	Pass

	836.5	1	0	23.65	-0.80	20.70	<=34.77	Pass
			13	23.75	-0.80	20.80	<=34.77	Pass
			24	23.66	-0.80	20.71	<=34.77	Pass
		12	0	22.65	-0.80	19.70	<=34.77	Pass
			6	22.79	-0.80	19.84	<=34.77	Pass
			13	22.74	-0.80	19.79	<=34.77	Pass
		25	0	22.74	-0.80	19.79	<=34.77	Pass
	846.5	1	0	23.63	-0.80	20.68	<=34.77	Pass
			13	23.71	-0.80	20.76	<=34.77	Pass
			24	23.66	-0.80	20.71	<=34.77	Pass
		12	0	22.71	-0.80	19.76	<=34.77	Pass
			6	22.74	-0.80	19.79	<=34.77	Pass
			13	22.70	-0.80	19.75	<=34.77	Pass
		25	0	22.69	-0.80	19.74	<=34.77	Pass
16QAM	826.5	1	0	22.67	-0.80	19.72	<=34.77	Pass
			13	22.86	-0.80	19.91	<=34.77	Pass
			24	22.75	-0.80	19.80	<=34.77	Pass
		12	0	21.70	-0.80	18.75	<=34.77	Pass
			6	21.84	-0.80	18.89	<=34.77	Pass
			13	21.73	-0.80	18.78	<=34.77	Pass
		25	0	21.72	-0.80	18.77	<=34.77	Pass
	836.5	1	0	22.60	-0.80	19.65	<=34.77	Pass
			13	22.65	-0.80	19.70	<=34.77	Pass
			24	22.58	-0.80	19.63	<=34.77	Pass
		12	0	21.74	-0.80	18.79	<=34.77	Pass
			6	21.83	-0.80	18.88	<=34.77	Pass
			13	21.76	-0.80	18.81	<=34.77	Pass
		25	0	21.85	-0.80	18.90	<=34.77	Pass
	846.5	1	0	23.01	-0.80	20.06	<=34.77	Pass
			13	23.10	-0.80	20.15	<=34.77	Pass
			24	22.92	-0.80	19.97	<=34.77	Pass
		12	0	21.69	-0.80	18.74	<=34.77	Pass
			6	21.74	-0.80	18.79	<=34.77	Pass
			13	21.70	-0.80	18.75	<=34.77	Pass
		25	0	21.68	-0.80	18.73	<=34.77	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	23.78	-0.80	20.83	<=34.77	Pass
			25	23.88	-0.80	20.93	<=34.77	Pass
			49	23.81	-0.80	20.86	<=34.77	Pass
		25	0	22.86	-0.80	19.91	<=34.77	Pass
			13	22.79	-0.80	19.84	<=34.77	Pass
			25	22.79	-0.80	19.84	<=34.77	Pass
		50	0	22.82	-0.80	19.87	<=34.77	Pass
	836.5	1	0	23.82	-0.80	20.87	<=34.77	Pass
			25	23.85	-0.80	20.90	<=34.77	Pass
			49	23.84	-0.80	20.89	<=34.77	Pass
		25	0	22.74	-0.80	19.79	<=34.77	Pass
			13	22.78	-0.80	19.83	<=34.77	Pass
			25	22.77	-0.80	19.82	<=34.77	Pass
		50	0	22.76	-0.80	19.81	<=34.77	Pass
	844	1	0	23.69	-0.80	20.74	<=34.77	Pass
			25	23.75	-0.80	20.80	<=34.77	Pass

16QAM	829	25	49	23.74	-0.80	20.79	<=34.77	Pass
			0	22.84	-0.80	19.89	<=34.77	Pass
			13	22.75	-0.80	19.80	<=34.77	Pass
			25	22.73	-0.80	19.78	<=34.77	Pass
		50	0	22.79	-0.80	19.84	<=34.77	Pass
	836.5	1	0	23.09	-0.80	20.14	<=34.77	Pass
			25	23.20	-0.80	20.25	<=34.77	Pass
			49	23.15	-0.80	20.20	<=34.77	Pass
		25	0	21.90	-0.80	18.95	<=34.77	Pass
			13	21.84	-0.80	18.89	<=34.77	Pass
			25	21.83	-0.80	18.88	<=34.77	Pass
		50	0	21.86	-0.80	18.91	<=34.77	Pass
	844	1	0	22.71	-0.80	19.76	<=34.77	Pass
			25	22.70	-0.80	19.75	<=34.77	Pass
			49	22.66	-0.80	19.71	<=34.77	Pass
		25	0	21.82	-0.80	18.87	<=34.77	Pass
			13	21.86	-0.80	18.91	<=34.77	Pass
			25	21.86	-0.80	18.91	<=34.77	Pass
		50	0	21.81	-0.80	18.86	<=34.77	Pass
	844	1	0	22.67	-0.80	19.72	<=34.77	Pass
			25	22.71	-0.80	19.76	<=34.77	Pass
			49	22.65	-0.80	19.70	<=34.77	Pass
		25	0	21.91	-0.80	18.96	<=34.77	Pass
			13	21.81	-0.80	18.86	<=34.77	Pass
			25	21.75	-0.80	18.80	<=34.77	Pass
		50	0	21.82	-0.80	18.87	<=34.77	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	-4.821	-0.0058	-2.5 to 2.5	Pass
					3.85	-9.255	-0.0112	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.689	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-7.482	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-4.306	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-6.108	-0.0073	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-9.041	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-10.600	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0051	-2.5 to 2.5	Pass

	848.3	6	0	30	3.85	-9.470	-0.0113	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				50	3.85	-7.796	-0.0093	-2.5 to 2.5	Pass
				20	3.27	-6.523	-0.0077	-2.5 to 2.5	Pass
					3.85	-13.690	-0.0161	-2.5 to 2.5	Pass
					4.43	-2.546	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-9.270	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-2.904	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-13.046	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-7.138	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-3.662	-0.0043	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-8.998	-0.0109	-2.5 to 2.5	Pass
					3.85	-6.452	-0.0078	-2.5 to 2.5	Pass
					4.43	-8.397	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-7.353	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	1.259	0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-9.542	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-9.999	-0.0121	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.366	-0.0077	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-2.761	-0.0033	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0117	-2.5 to 2.5	Pass
					4.43	-1.817	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-8.111	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-4.578	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-12.946	-0.0155	-2.5 to 2.5	Pass
				40	3.85	-4.449	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.984	-0.0107	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-2.246	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0066	-2.5 to 2.5	Pass
					4.43	-4.148	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-7.739	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-8.512	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-11.687	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-6.409	-0.0076	-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	-7.496	-0.0091	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
					4.43	-9.999	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-8.068	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-2.861	-0.0035	-2.5 to 2.5	Pass

				-10	3.85	-2.546	-0.0031	-2.5 to 2.5	Pass	
				0	3.85	-2.775	-0.0034	-2.5 to 2.5	Pass	
				10	3.85	-9.799	-0.0119	-2.5 to 2.5	Pass	
				30	3.85	-26.078	-0.0316	-2.5 to 2.5	Pass	
				40	3.85	-12.388	-0.0150	-2.5 to 2.5	Pass	
				50	3.85	-11.344	-0.0137	-2.5 to 2.5	Pass	
	836.5	15	0	20	3.27	-6.423	-0.0077	-2.5 to 2.5	Pass	
					3.85	-4.621	-0.0055	-2.5 to 2.5	Pass	
					4.43	-10.428	-0.0125	-2.5 to 2.5	Pass	
				-30	3.85	-10.185	-0.0122	-2.5 to 2.5	Pass	
				-20	3.85	-9.556	-0.0114	-2.5 to 2.5	Pass	
				-10	3.85	-9.027	-0.0108	-2.5 to 2.5	Pass	
				0	3.85	-6.537	-0.0078	-2.5 to 2.5	Pass	
				10	3.85	-5.822	-0.0070	-2.5 to 2.5	Pass	
				30	3.85	-7.253	-0.0087	-2.5 to 2.5	Pass	
				40	3.85	-9.298	-0.0111	-2.5 to 2.5	Pass	
				50	3.85	-10.357	-0.0124	-2.5 to 2.5	Pass	
				847.5	15	0	20	3.27	-7.982	-0.0094
	3.85	-6.967	-0.0082					-2.5 to 2.5	Pass	
	4.43	-9.384	-0.0111					-2.5 to 2.5	Pass	
	-30	3.85	-3.791				-0.0045	-2.5 to 2.5	Pass	
	-20	3.85	-8.268				-0.0098	-2.5 to 2.5	Pass	
	-10	3.85	6.008				0.0071	-2.5 to 2.5	Pass	
	0	3.85	-1.702				-0.0020	-2.5 to 2.5	Pass	
	10	3.85	-4.320				-0.0051	-2.5 to 2.5	Pass	
	30	3.85	-4.220				-0.0050	-2.5 to 2.5	Pass	
	40	3.85	-9.770				-0.0115	-2.5 to 2.5	Pass	
	50	3.85	-9.127				-0.0108	-2.5 to 2.5	Pass	
	16QAM	825.5	15				0	20	3.27	-3.304
				3.85	-6.809	-0.0082			-2.5 to 2.5	Pass
4.43				-10.371	-0.0126	-2.5 to 2.5			Pass	
-30				3.85	-5.050	-0.0061		-2.5 to 2.5	Pass	
-20				3.85	-6.852	-0.0083		-2.5 to 2.5	Pass	
-10				3.85	-9.356	-0.0113		-2.5 to 2.5	Pass	
0				3.85	-2.403	-0.0029		-2.5 to 2.5	Pass	
10				3.85	-3.290	-0.0040		-2.5 to 2.5	Pass	
30				3.85	-10.586	-0.0128		-2.5 to 2.5	Pass	
40				3.85	-1.402	-0.0017		-2.5 to 2.5	Pass	
50				3.85	-0.973	-0.0012		-2.5 to 2.5	Pass	
836.5				15	0	20		3.27	-7.296	-0.0087
		3.85	-1.845				-0.0022	-2.5 to 2.5	Pass	
		4.43	-10.071				-0.0120	-2.5 to 2.5	Pass	
		-30	3.85			-7.381	-0.0088	-2.5 to 2.5	Pass	
		-20	3.85			-7.110	-0.0085	-2.5 to 2.5	Pass	
		-10	3.85			-3.147	-0.0038	-2.5 to 2.5	Pass	
		0	3.85			-3.061	-0.0037	-2.5 to 2.5	Pass	
		10	3.85			-5.751	-0.0069	-2.5 to 2.5	Pass	
		30	3.85			-11.215	-0.0134	-2.5 to 2.5	Pass	
		40	3.85			-9.241	-0.0110	-2.5 to 2.5	Pass	
		50	3.85			-8.154	-0.0097	-2.5 to 2.5	Pass	
		847.5	15			0	20	3.27	-4.864	-0.0057
3.85				-6.008	-0.0071			-2.5 to 2.5	Pass	
4.43				-2.375	-0.0028			-2.5 to 2.5	Pass	
-30				3.85	-7.410		-0.0087	-2.5 to 2.5	Pass	
-20				3.85	-8.669		-0.0102	-2.5 to 2.5	Pass	
-10				3.85	8.740		0.0103	-2.5 to 2.5	Pass	
0				3.85	-4.807		-0.0057	-2.5 to 2.5	Pass	
10				3.85	-9.899		-0.0117	-2.5 to 2.5	Pass	
30	3.85			-9.599	-0.0113		-2.5 to 2.5	Pass		

				40	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.324	-0.0086	-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	-7.181	-0.0087	-2.5 to 2.5	Pass
					3.85	-4.435	-0.0054	-2.5 to 2.5	Pass
					4.43	-7.954	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-7.167	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-7.396	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-6.924	-0.0083	-2.5 to 2.5	Pass
					3.85	1.116	0.0013	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-10.657	-0.0127	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-14.634	-0.0175	-2.5 to 2.5	Pass
				0	3.85	-5.393	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-2.818	-0.0034	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-9.813	-0.0116	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.851	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-5.021	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-7.510	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-9.270	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-7.453	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-10.157	-0.0120	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-1.774	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0062	-2.5 to 2.5	Pass
					4.43	-8.011	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-10.543	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-9.341	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-5.965	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-7.653	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-2.804	-0.0034	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-2.947	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.380	-0.0076	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	1.202	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-7.267	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0076	-2.5 to 2.5	Pass

				0	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-8.640	-0.0103	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0063	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-3.533	-0.0042	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0053	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-11.787	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-8.383	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-5.350	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-10.529	-0.0124	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-10.085	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-6.237	-0.0074	-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	-2.875	-0.0035	-2.5 to 2.5	Pass
					3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
					4.43	-6.309	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-2.789	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-6.094	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-7.453	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-9.098	-0.0110	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-7.768	-0.0093	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0047	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-10.085	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-6.838	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-7.038	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-7.095	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-9.270	-0.0111	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-4.678	-0.0055	-2.5 to 2.5	Pass
					3.85	-6.123	-0.0073	-2.5 to 2.5	Pass
					4.43	-2.718	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-8.183	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-4.134	-0.0049	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-2.761	-0.0033	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0041	-2.5 to 2.5	Pass
					4.43	-6.666	-0.0080	-2.5 to 2.5	Pass

				-30	3.85	-10.357	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-8.497	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-4.621	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-7.467	-0.0090	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-5.908	-0.0071	-2.5 to 2.5	Pass
					3.85	-5.450	-0.0065	-2.5 to 2.5	Pass
					4.43	-5.407	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.925	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.744	-0.0009	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-11.473	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-2.346	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-3.047	-0.0036	-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					
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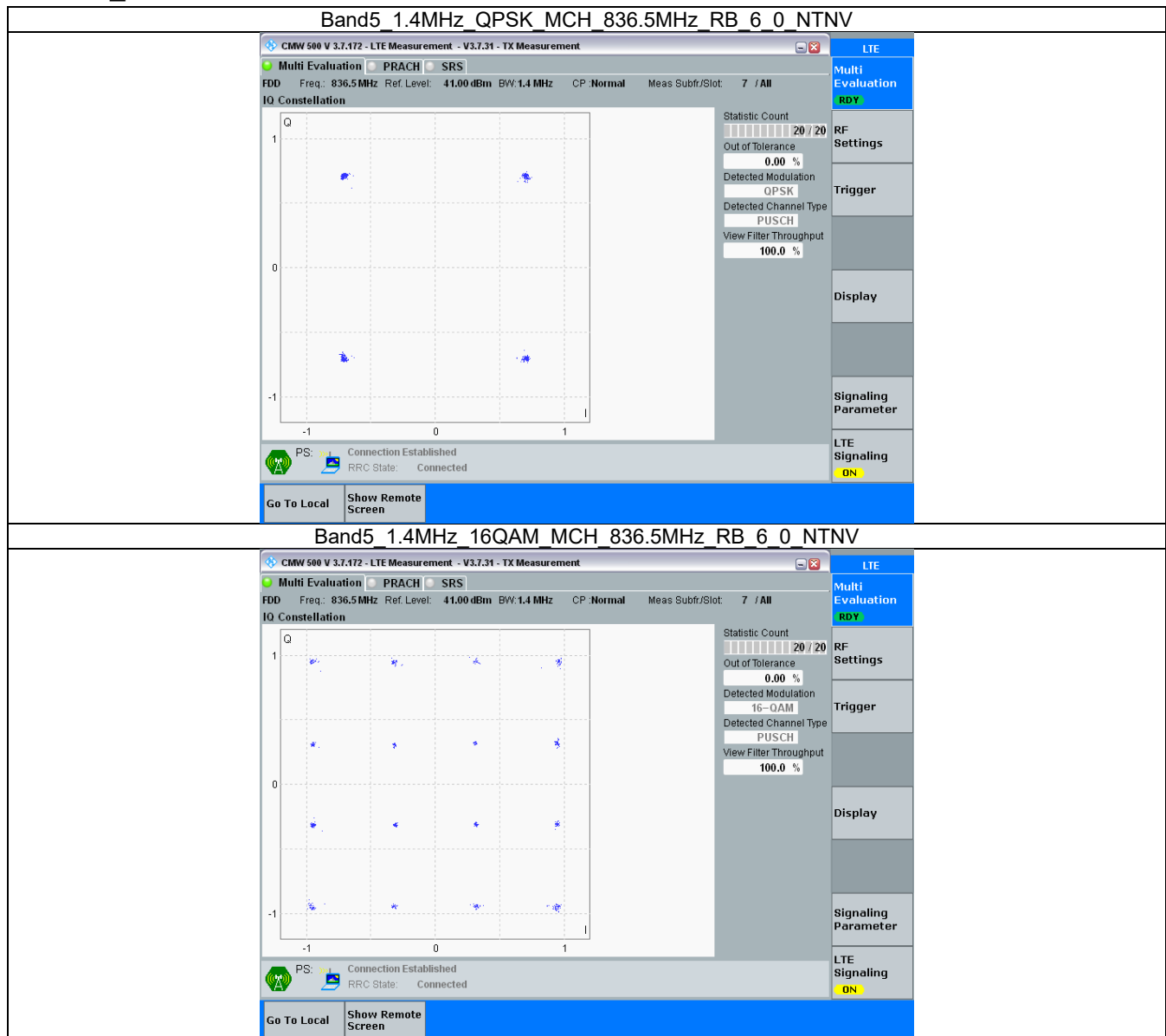
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

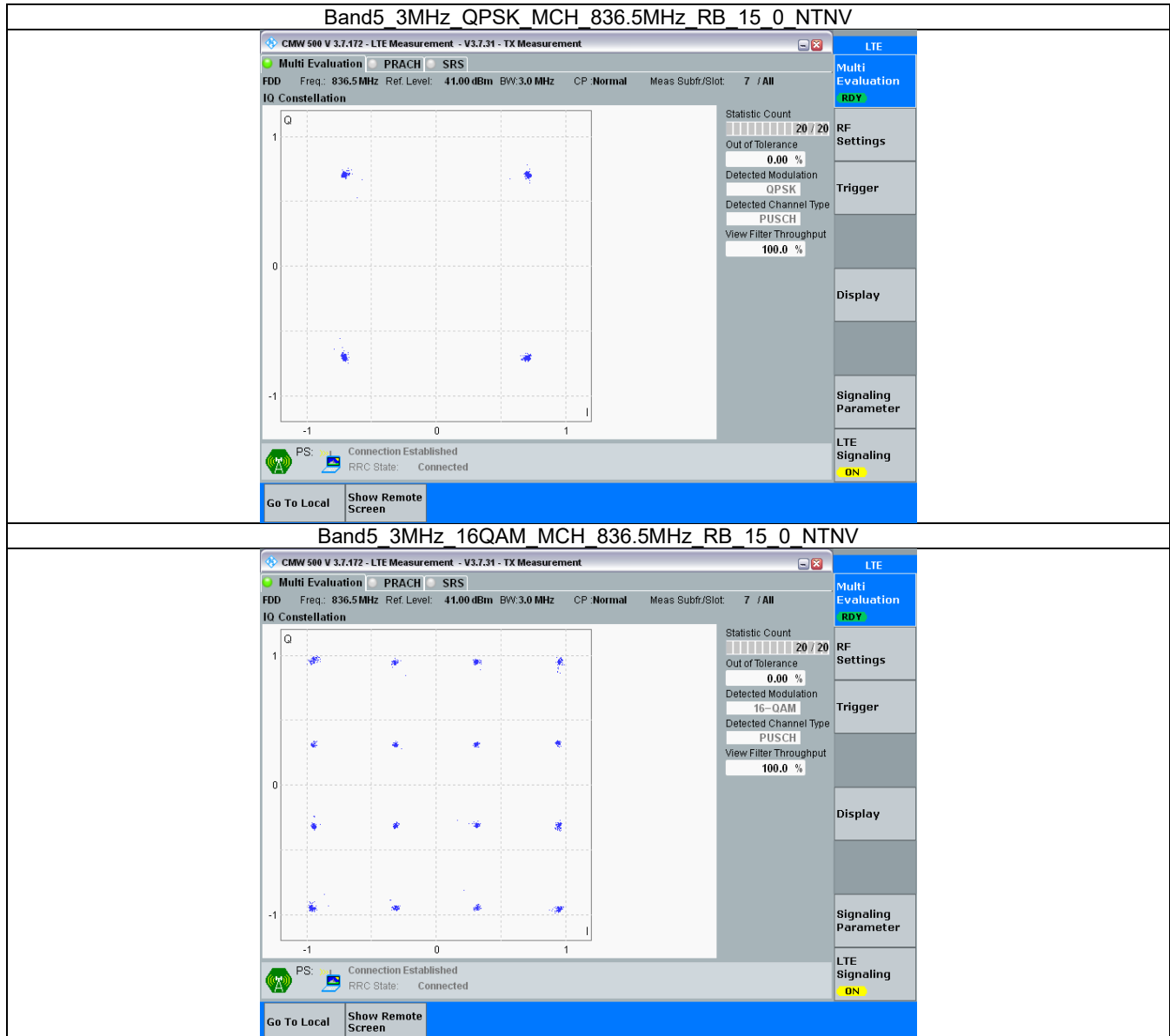
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

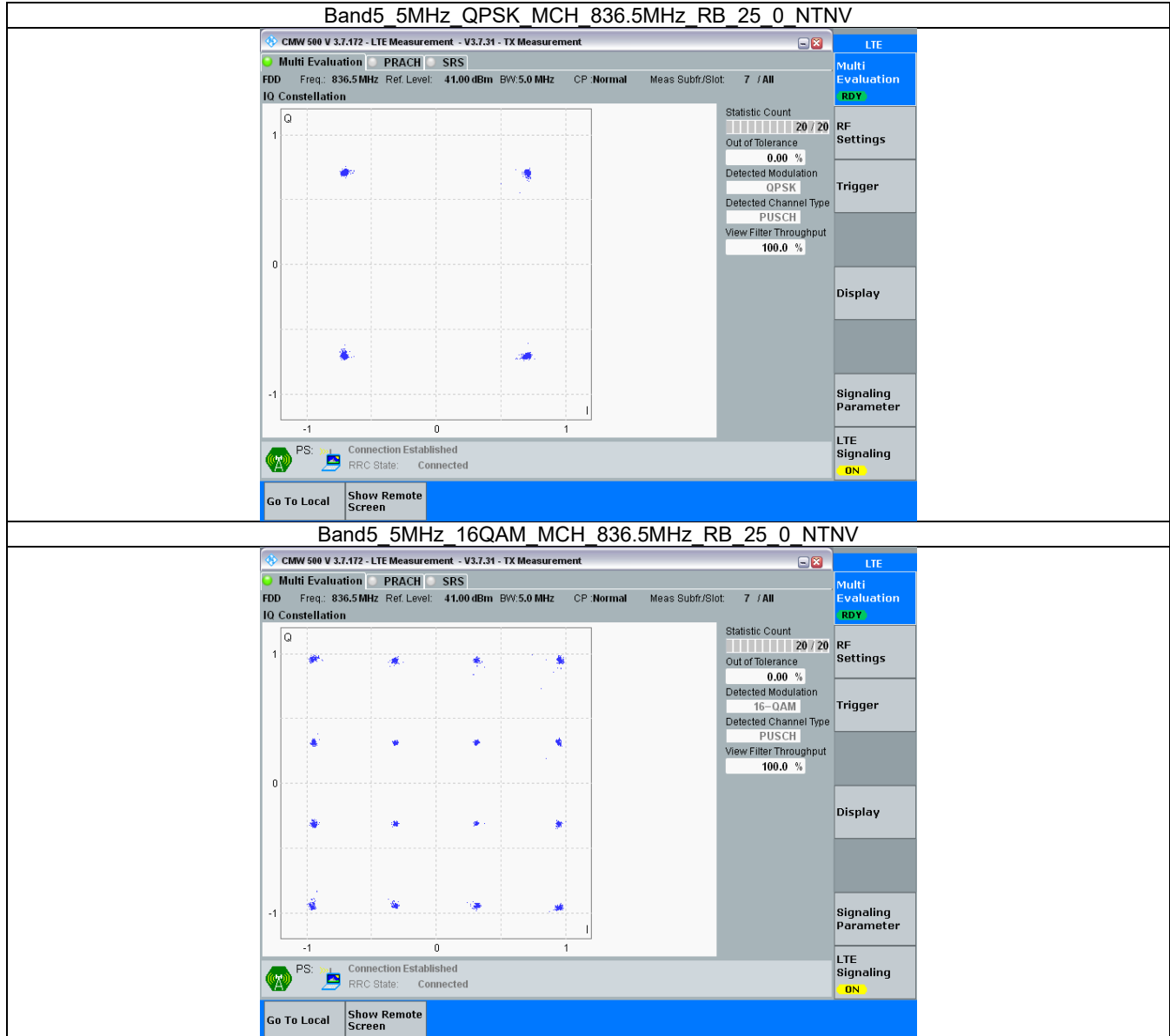
3.2.1 B5_1.4MHz



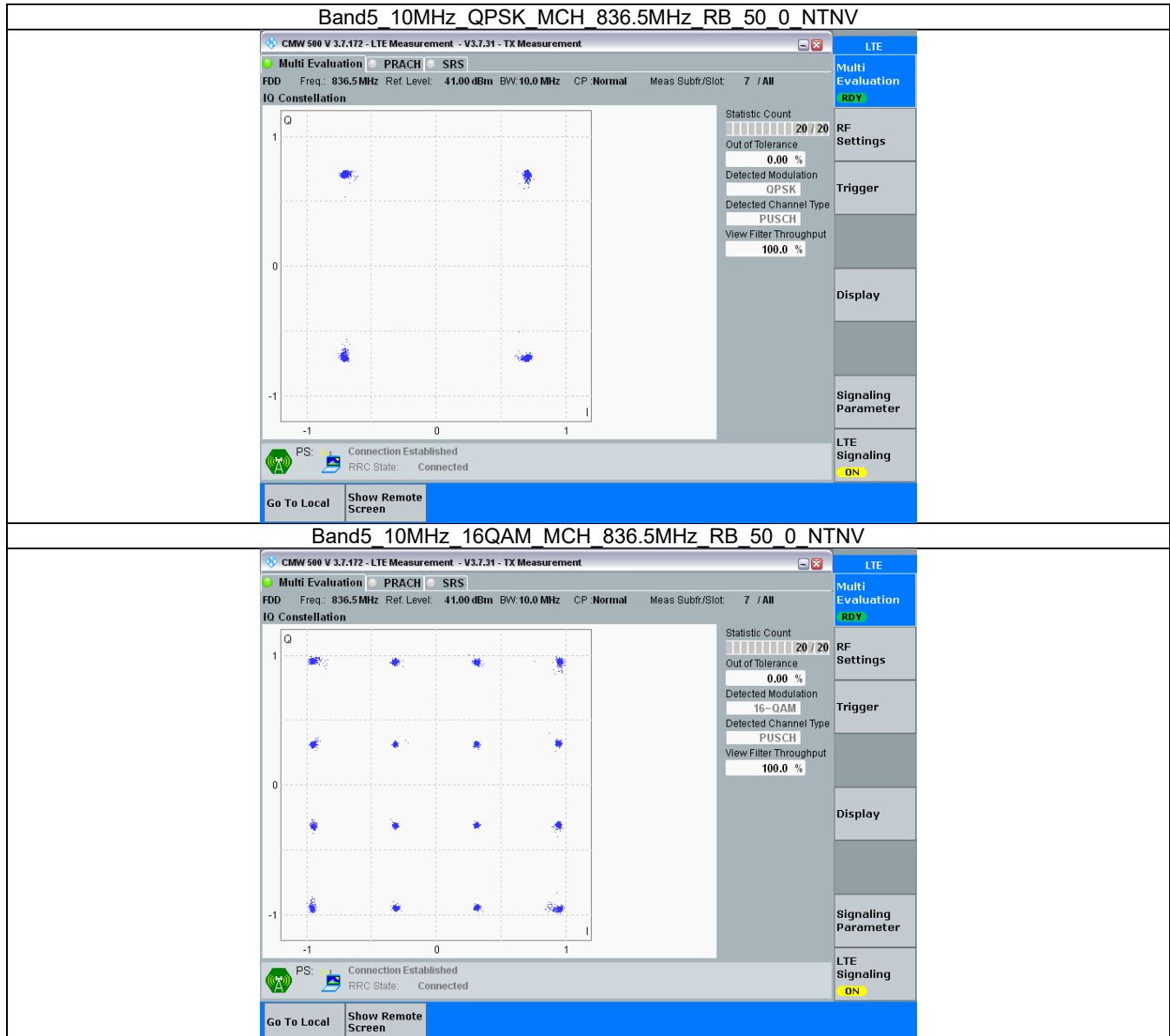
3.2.2 B5_3MHz



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 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.105	/	Pass
		836.5	6	0	1.110	/	Pass
		848.3	6	0	1.105	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.104	/	Pass
		848.3	6	0	1.116	/	Pass
3	QPSK	825.5	15	0	2.727	/	Pass
		836.5	15	0	2.729	/	Pass
		847.5	15	0	2.737	/	Pass
	16QAM	825.5	15	0	2.713	/	Pass
		836.5	15	0	2.714	/	Pass
		847.5	15	0	2.723	/	Pass
5	QPSK	826.5	25	0	4.544	/	Pass
		836.5	25	0	4.537	/	Pass
		846.5	25	0	4.554	/	Pass
	16QAM	826.5	25	0	4.551	/	Pass
		836.5	25	0	4.558	/	Pass
		846.5	25	0	4.544	/	Pass
10	QPSK	829	50	0	9.089	/	Pass
		836.5	50	0	9.035	/	Pass
		844	50	0	9.057	/	Pass
	16QAM	829	50	0	9.080	/	Pass
		836.5	50	0	9.037	/	Pass
		844	50	0	9.055	/	Pass

4.1.2 Band5_XDB

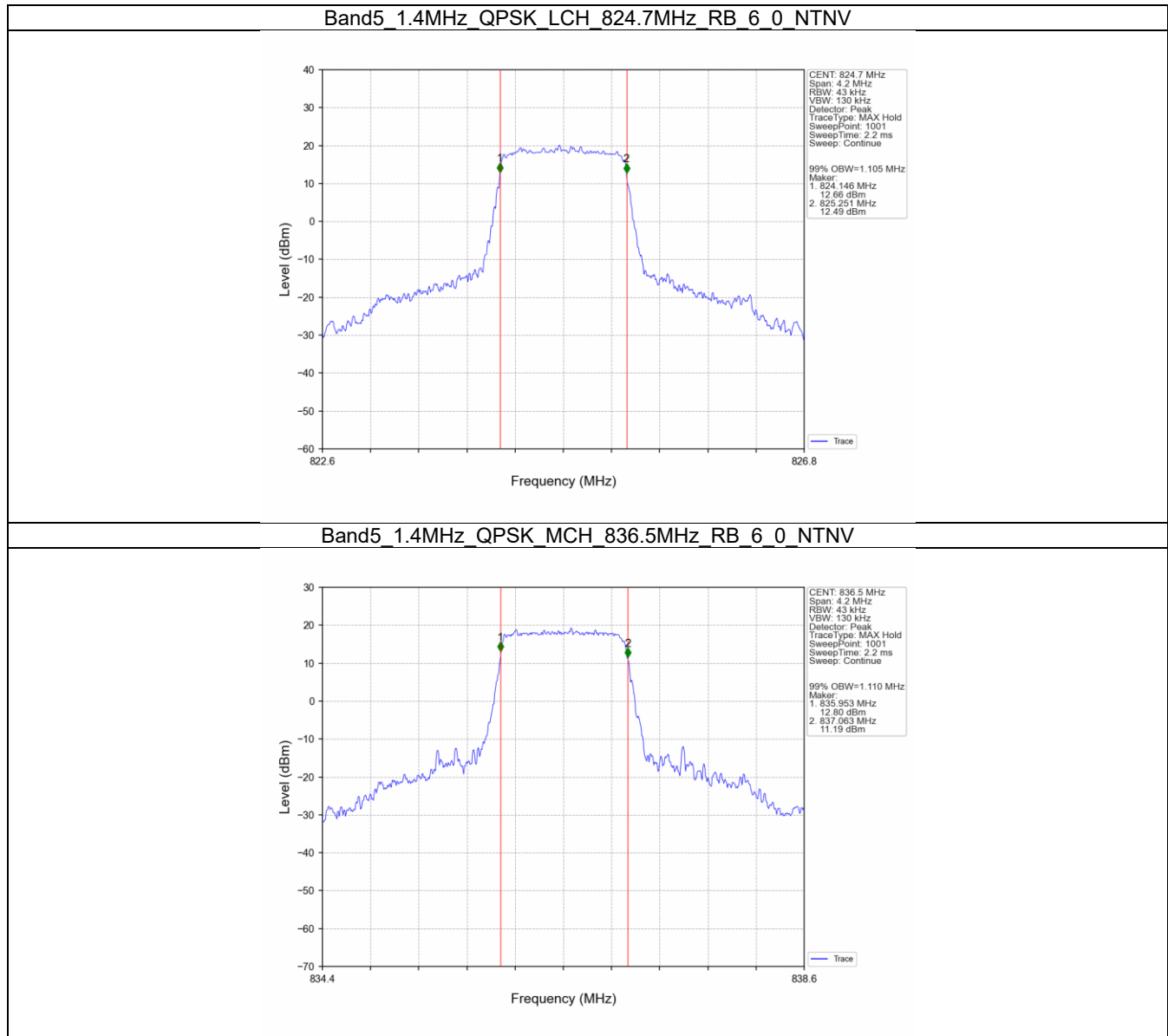
Band: 5 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.306	/	Pass
		836.5	6	0	1.333	/	Pass
		848.3	6	0	1.342	/	Pass
	16QAM	824.7	6	0	1.317	/	Pass
		836.5	6	0	1.308	/	Pass
		848.3	6	0	1.343	/	Pass
3	QPSK	825.5	15	0	2.985	/	Pass
		836.5	15	0	2.984	/	Pass
		847.5	15	0	3.001	/	Pass
	16QAM	825.5	15	0	2.985	/	Pass
		836.5	15	0	2.991	/	Pass
		847.5	15	0	2.993	/	Pass
5	QPSK	826.5	25	0	5.003	/	Pass
		836.5	25	0	5.004	/	Pass
		846.5	25	0	4.974	/	Pass



	16QAM	826.5	25	0	5.039	/	Pass
		836.5	25	0	5.020	/	Pass
		846.5	25	0	5.017	/	Pass
10	QPSK	829	50	0	9.987	/	Pass
		836.5	50	0	9.897	/	Pass
		844	50	0	9.915	/	Pass
	16QAM	829	50	0	9.914	/	Pass
		836.5	50	0	9.960	/	Pass
		844	50	0	9.874	/	Pass

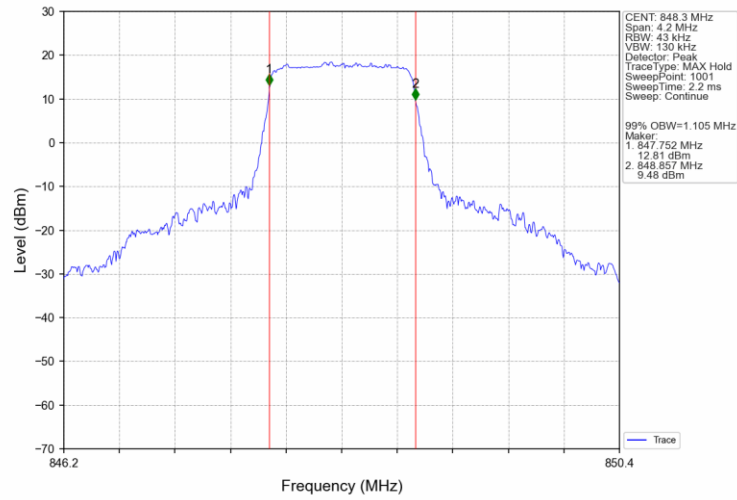
4.2 Test Graph

4.2.1 Band5_OBW

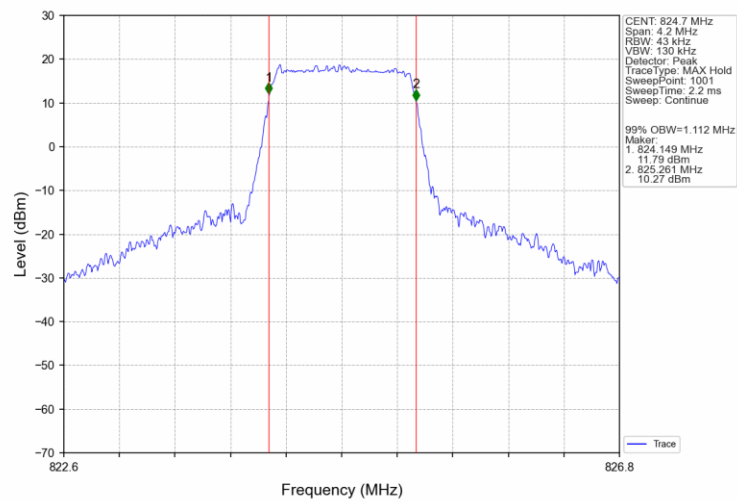




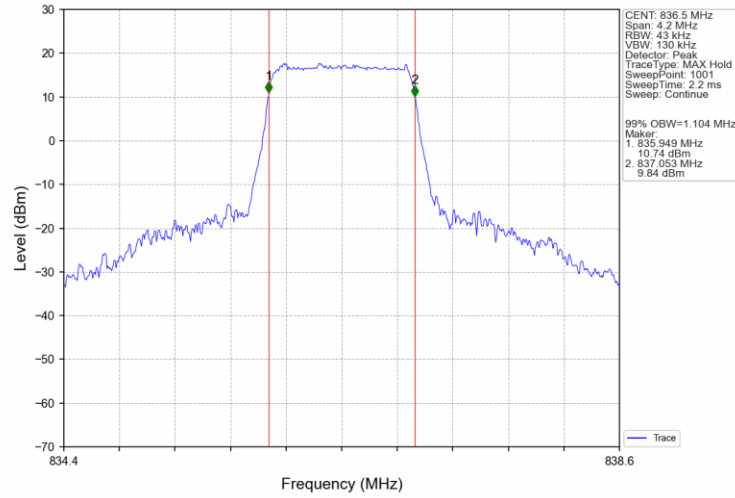
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



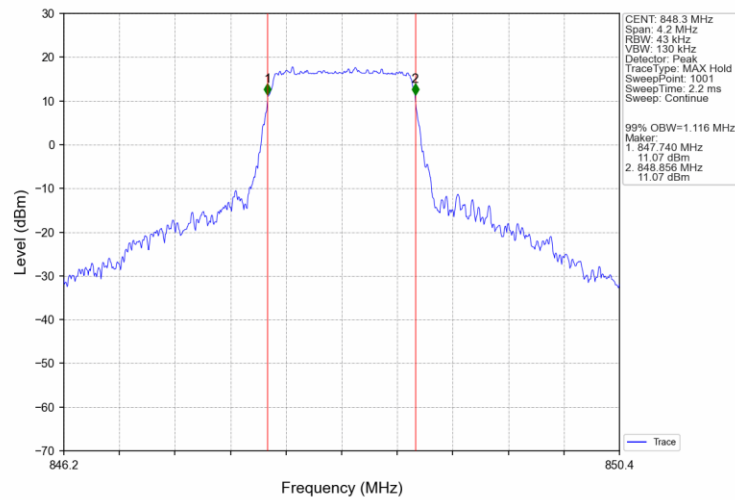
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



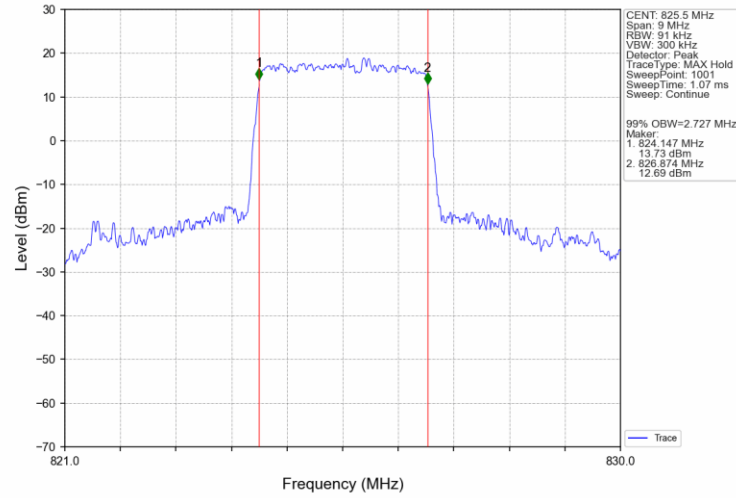
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



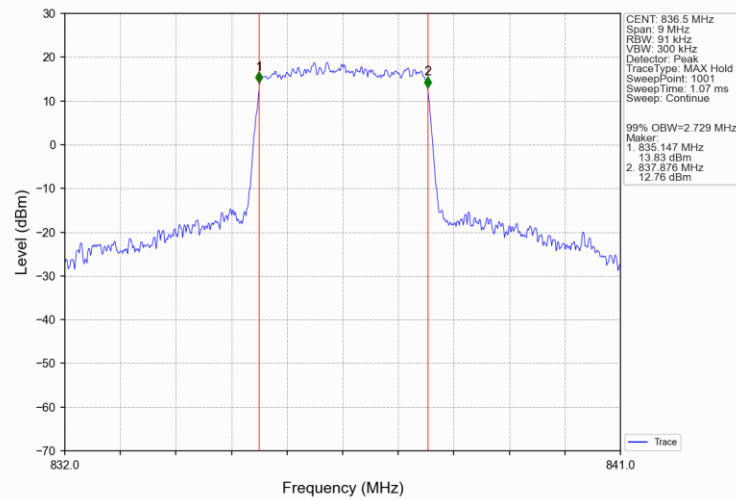
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

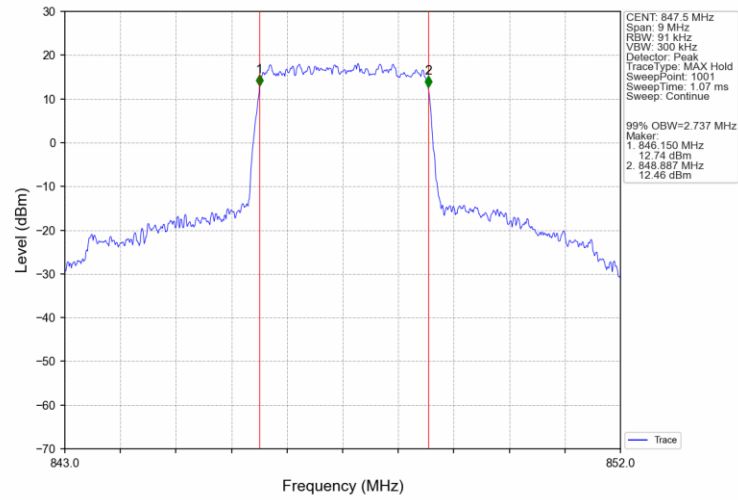


Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

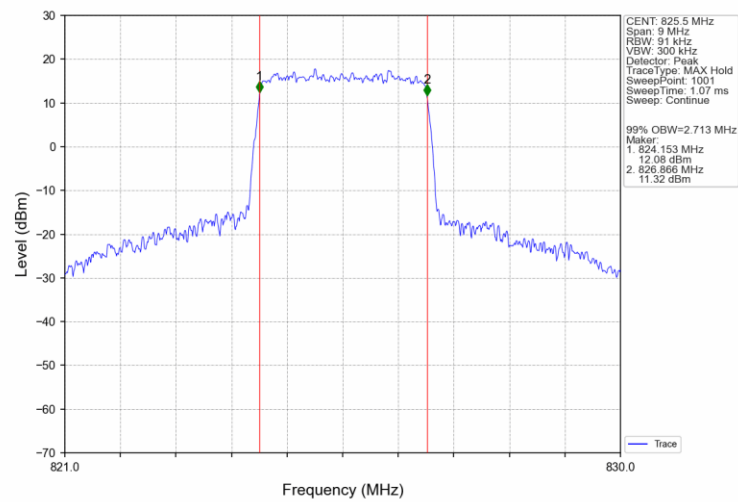




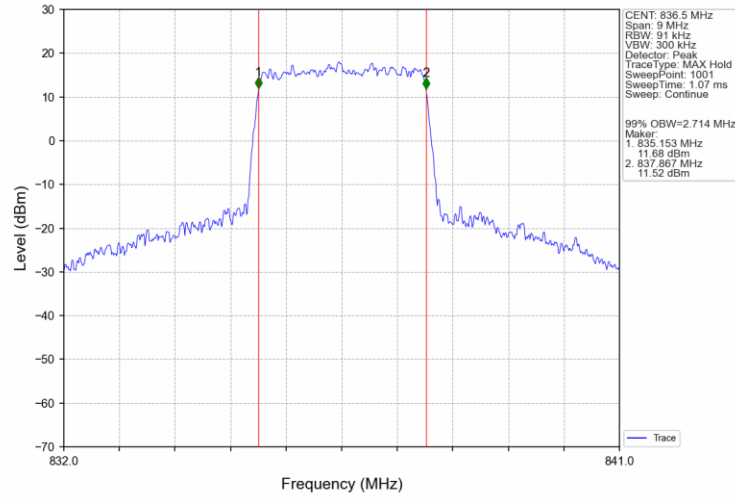
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



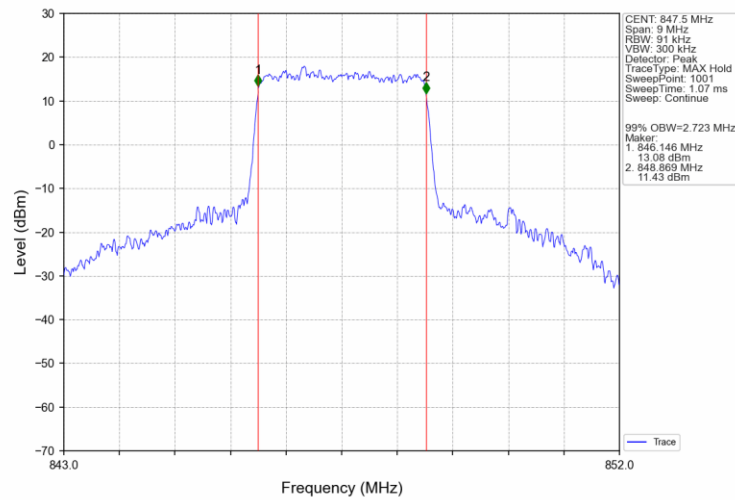
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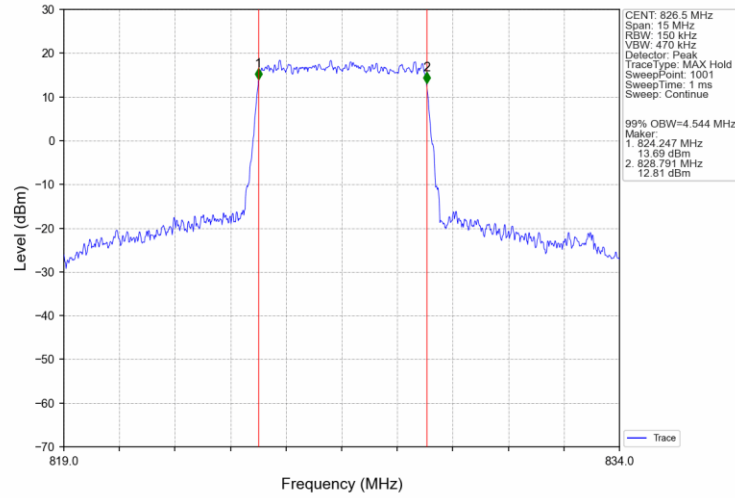
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



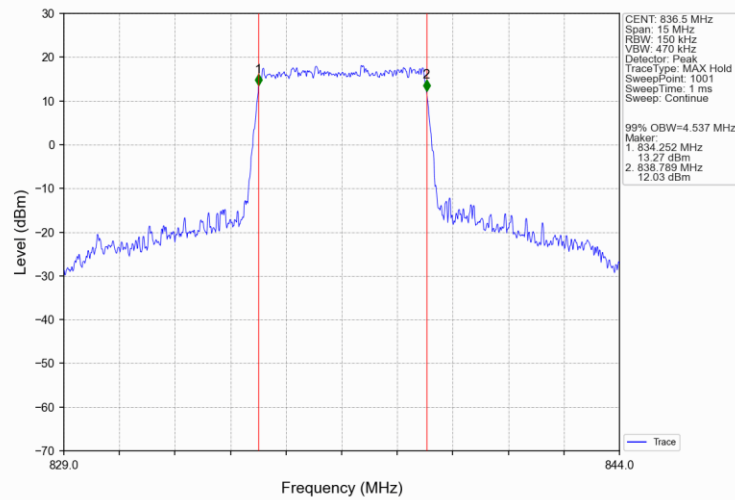
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



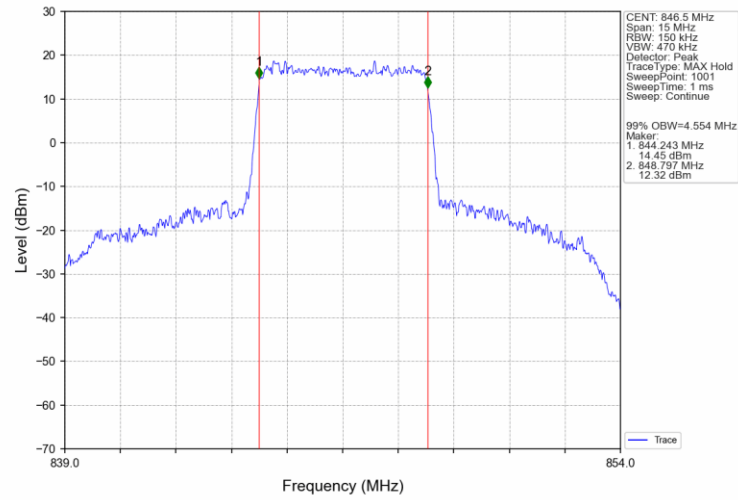
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



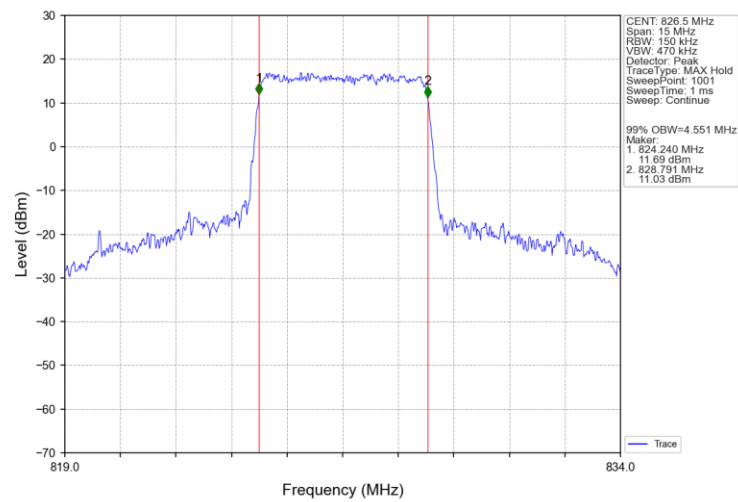
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV

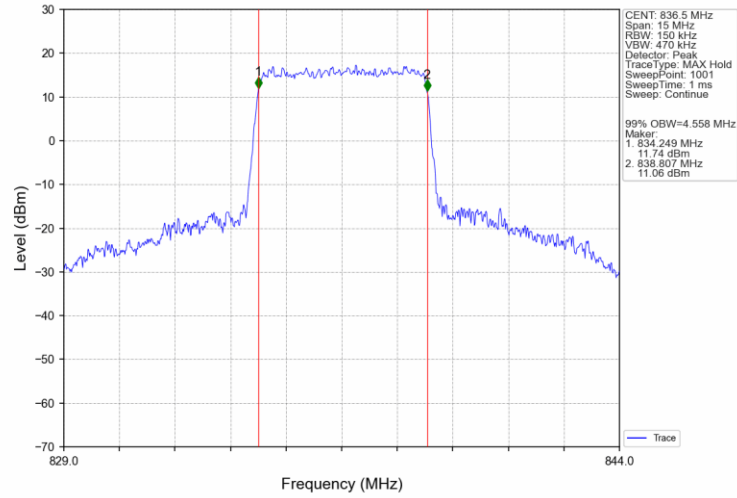


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

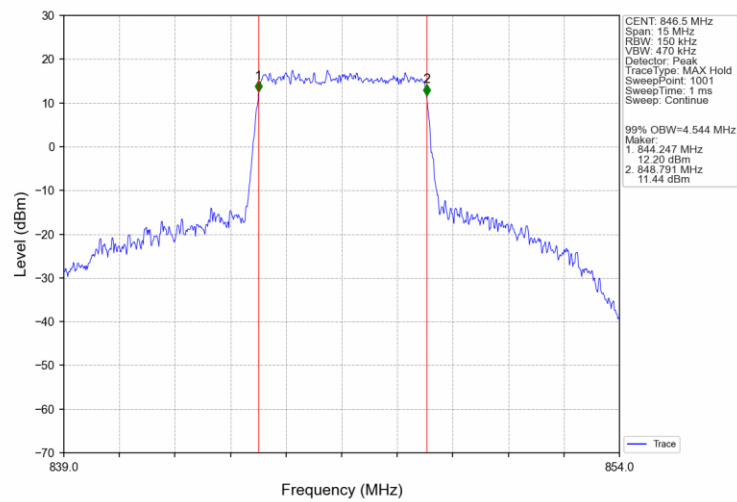




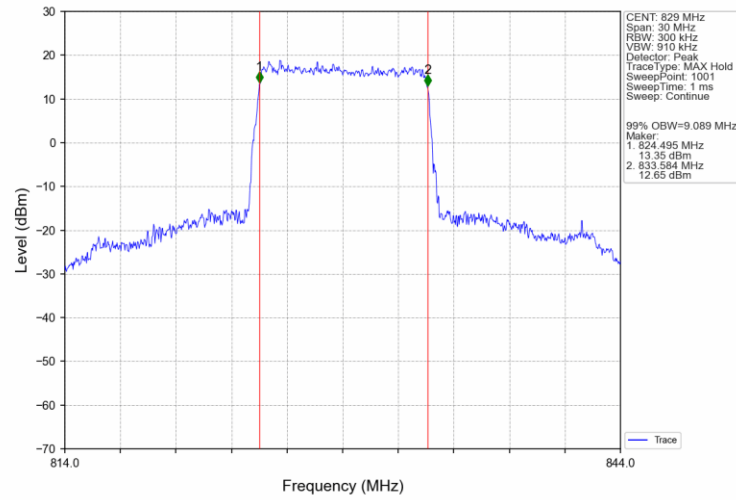
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



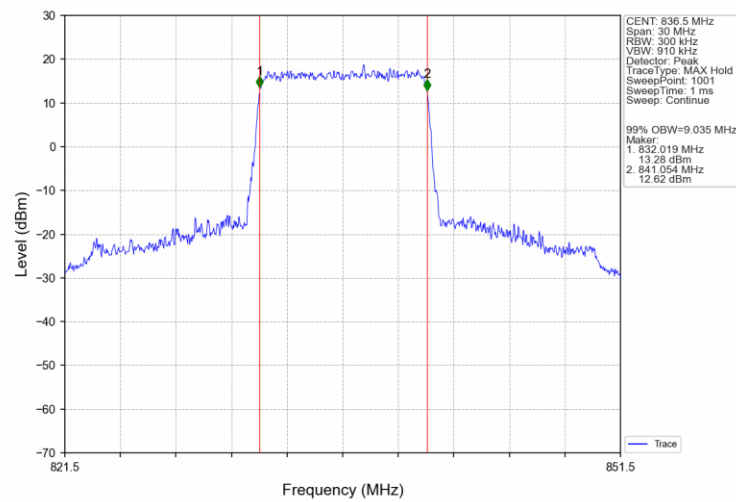
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



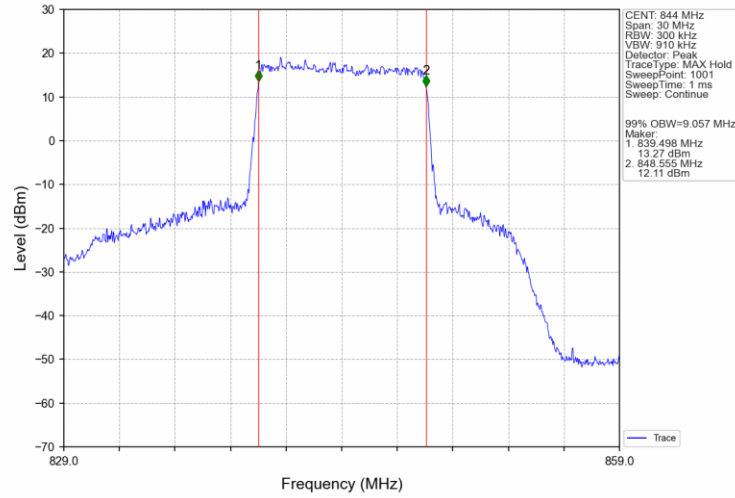
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



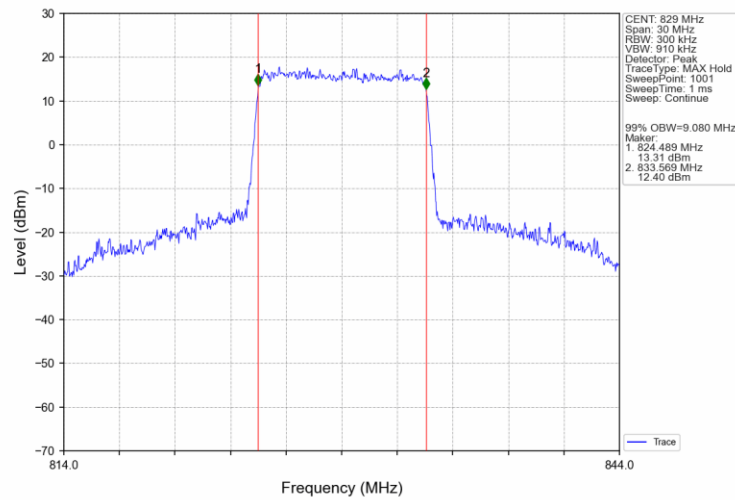
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



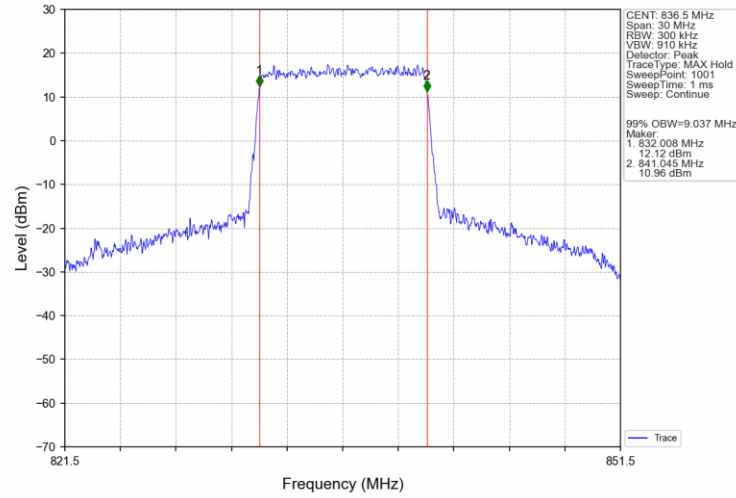
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



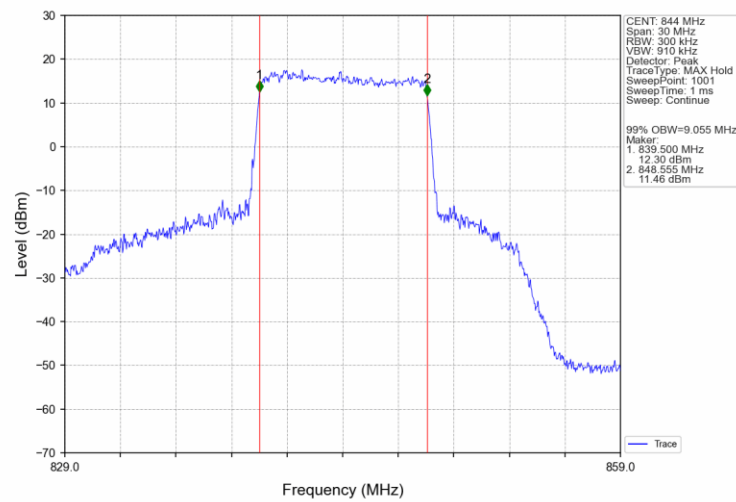
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

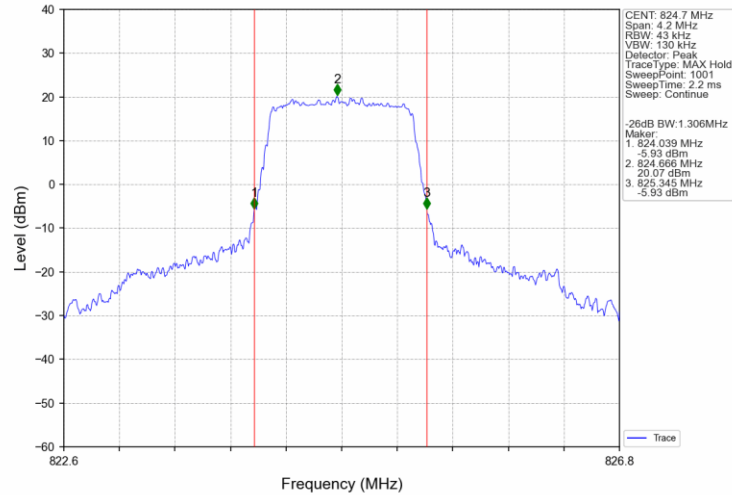


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

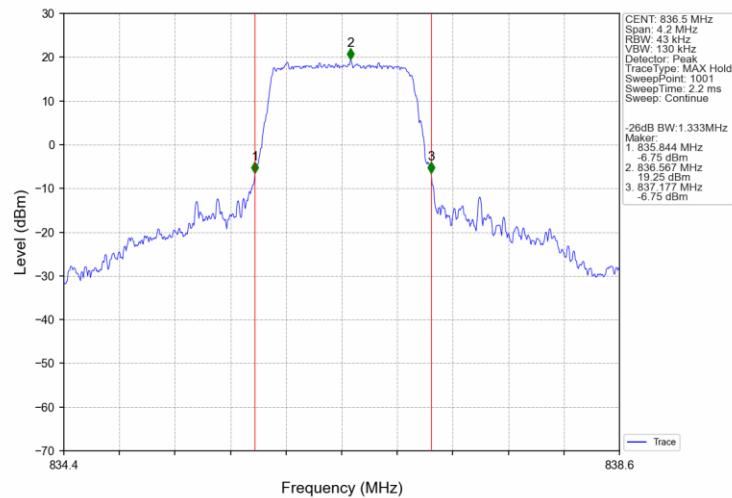


4.2.2 Band5_XDB

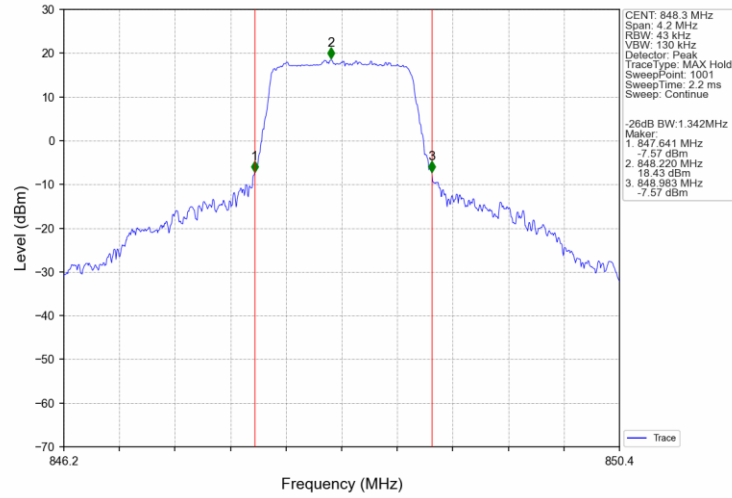
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



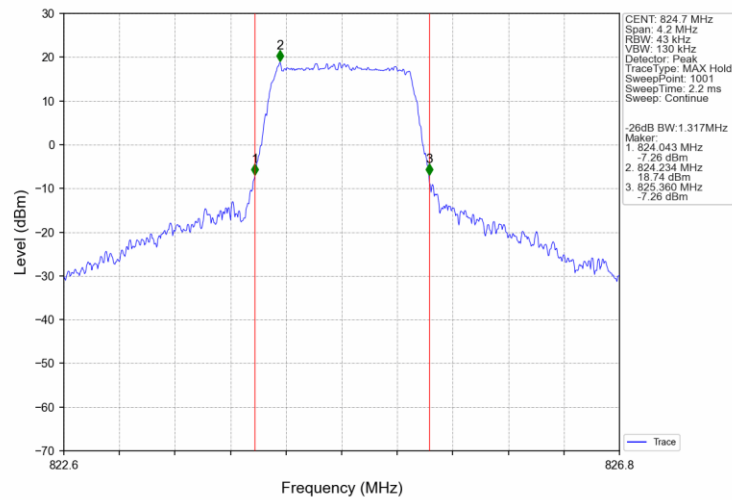
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

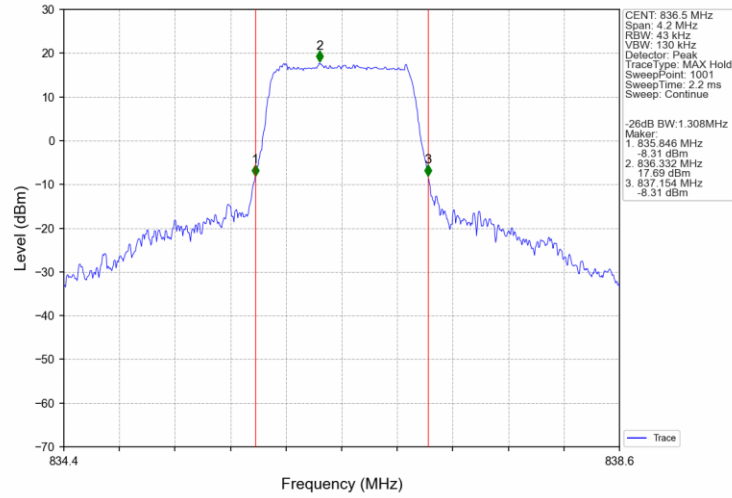


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

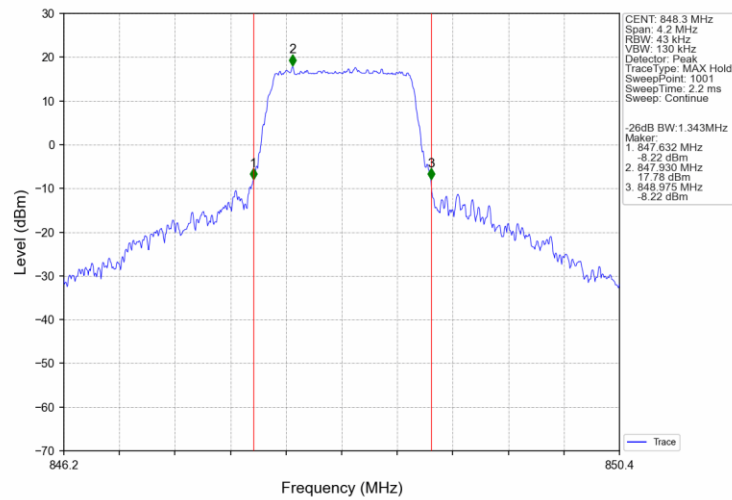




Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

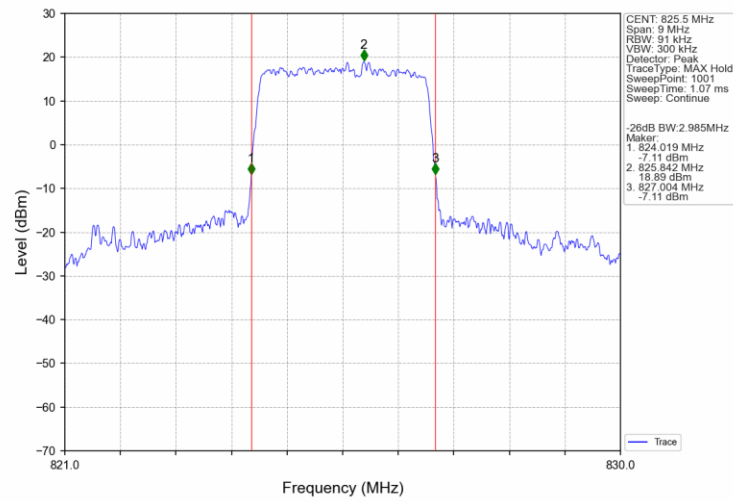


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

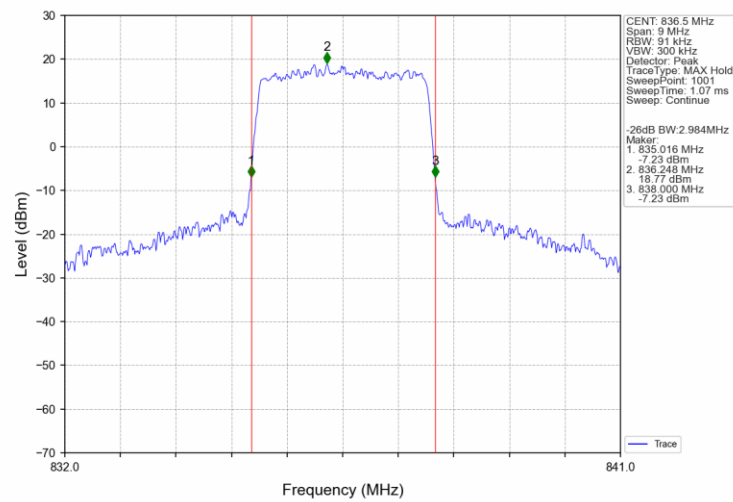




Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

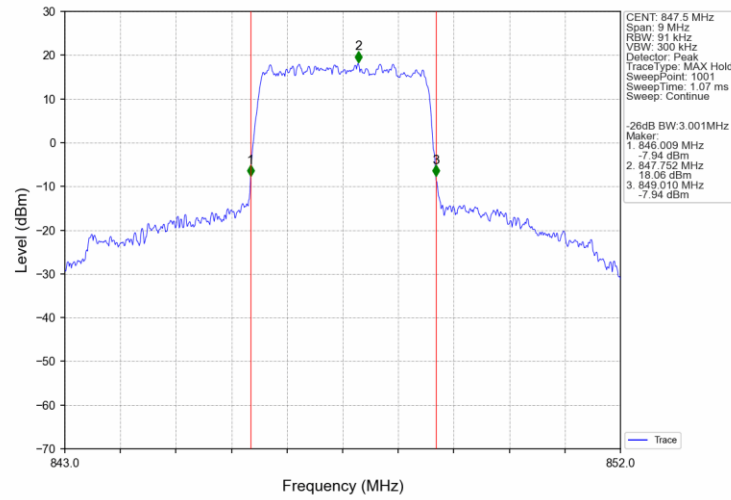


Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

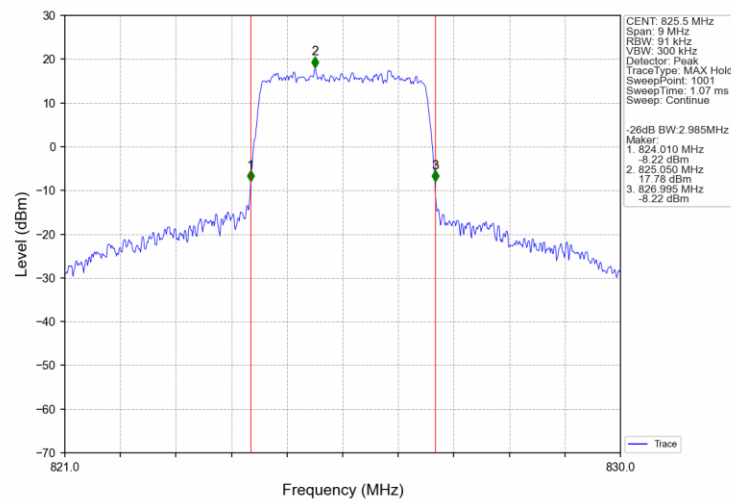




Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV

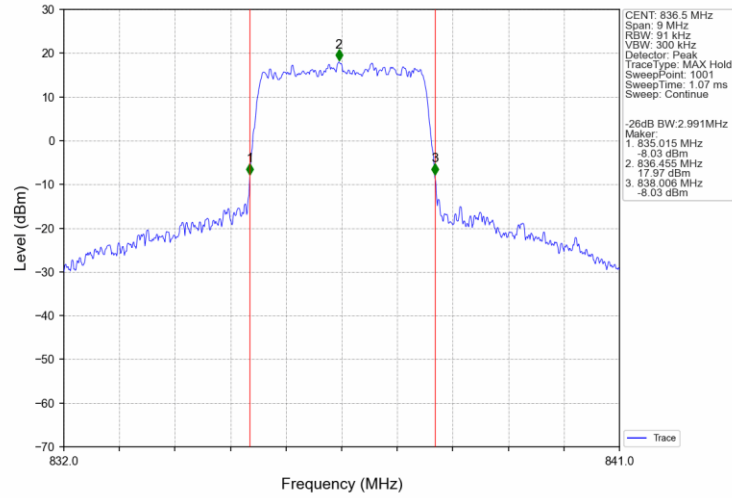


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

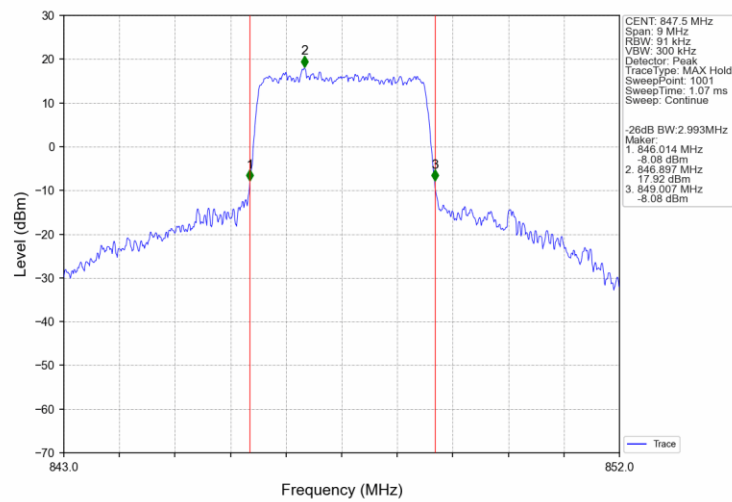




Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

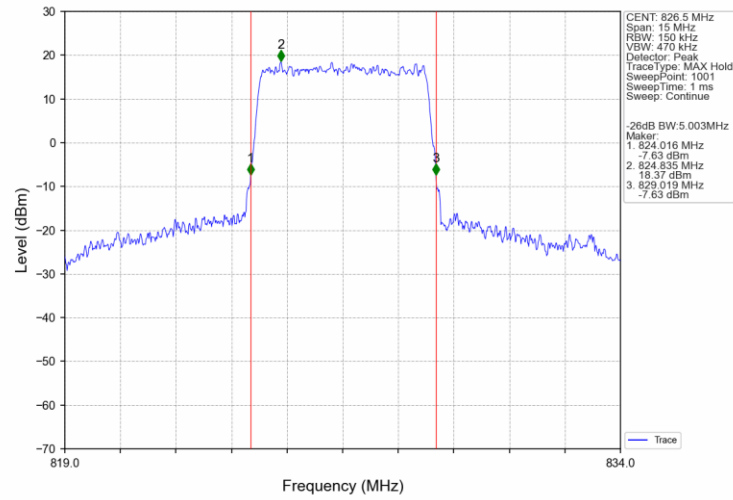


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

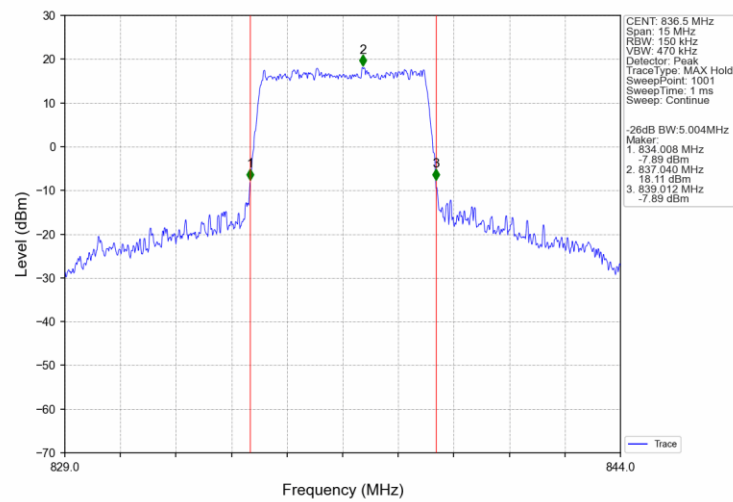




Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

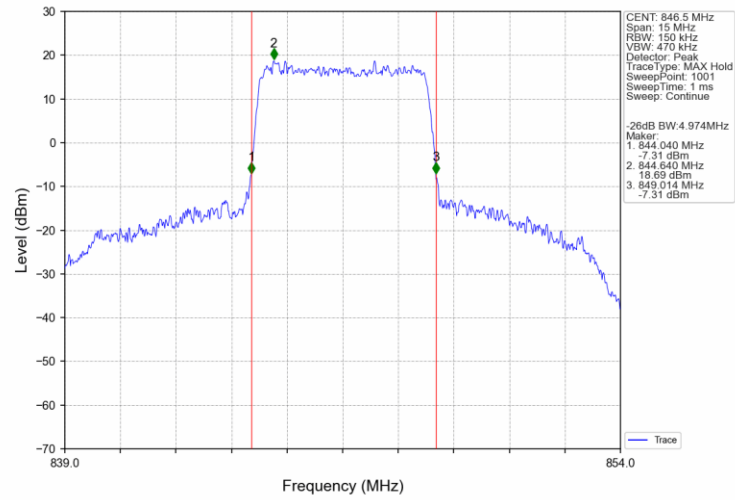


Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

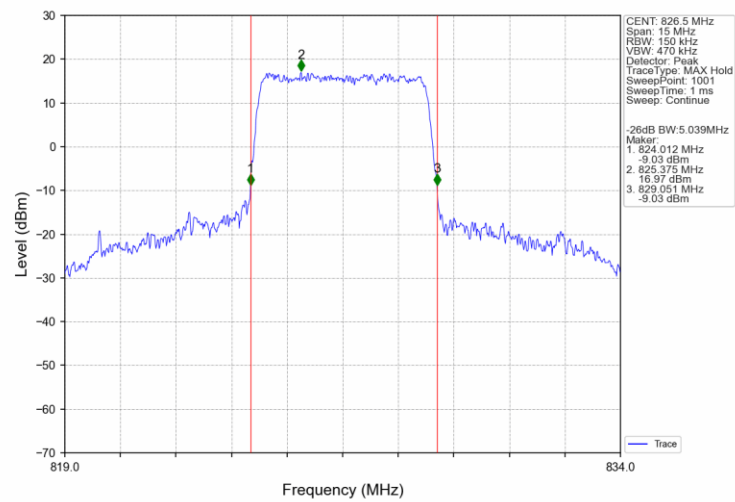




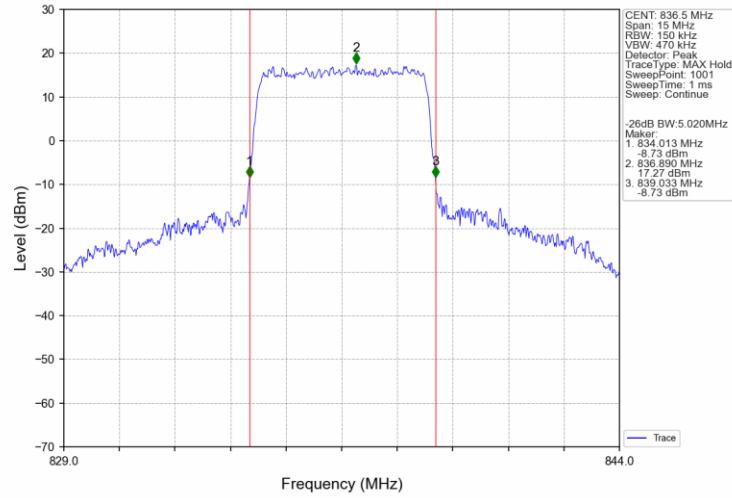
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



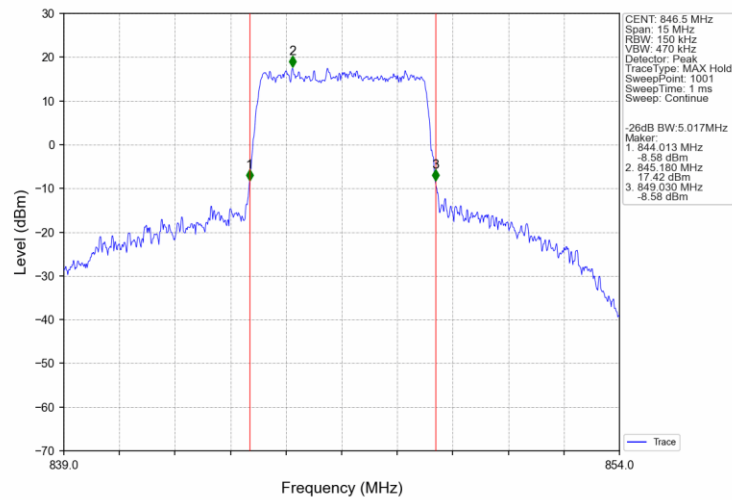
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Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

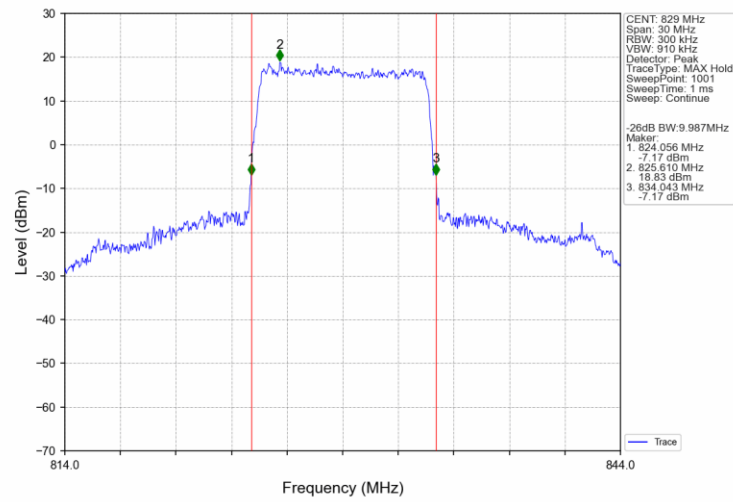


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

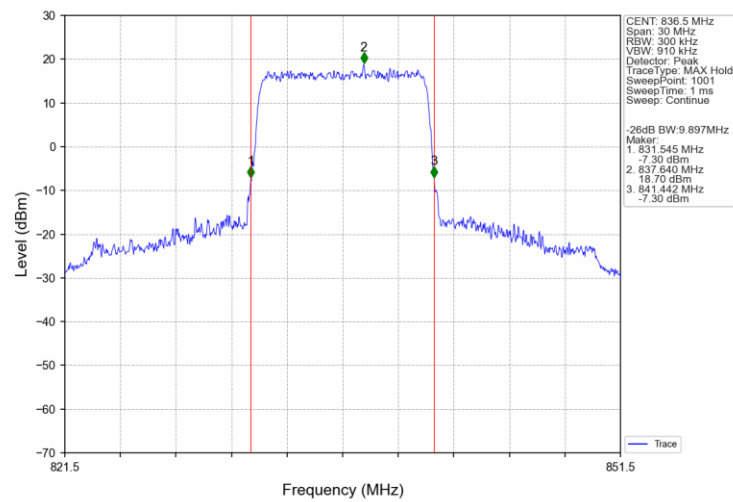




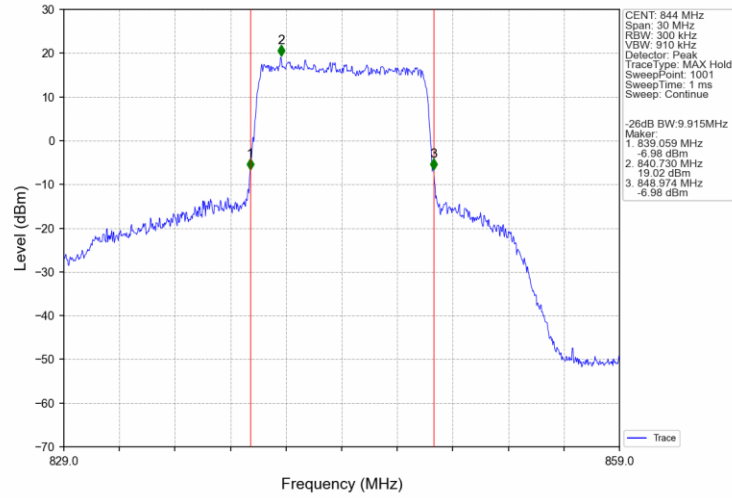
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



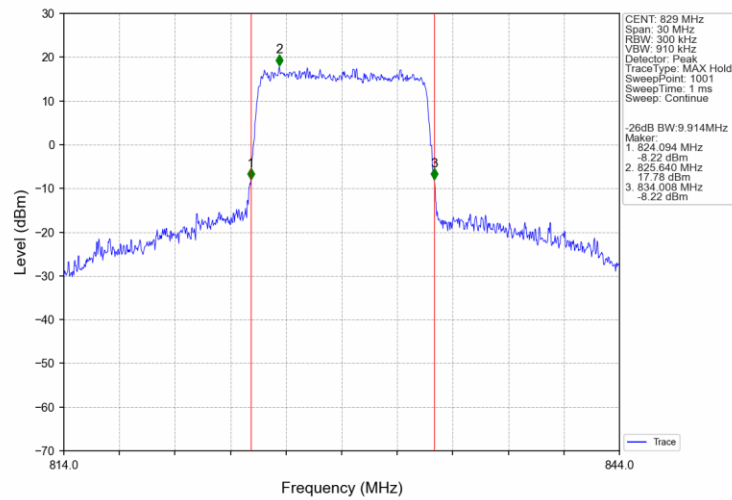
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

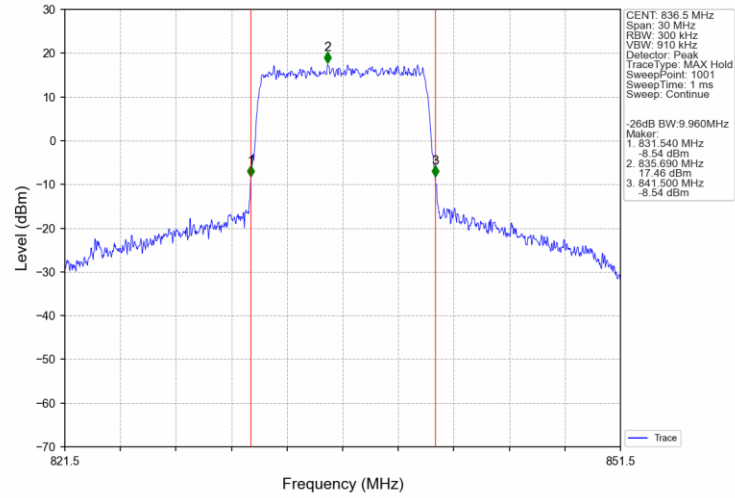


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

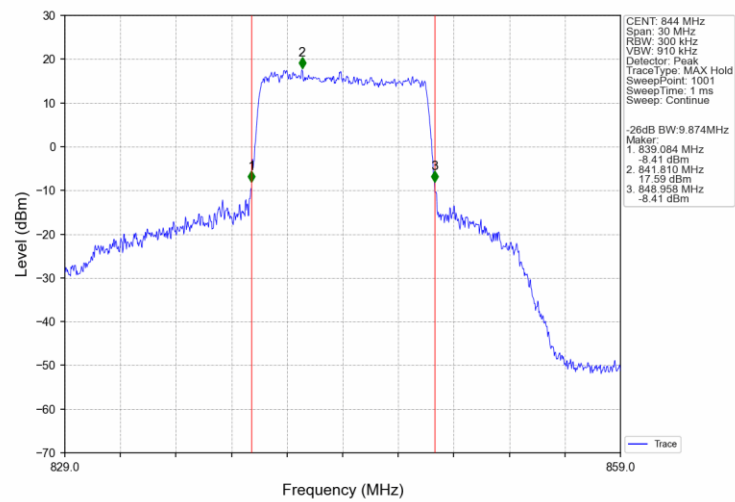




Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



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	4.82	<=13	Pass
	836.5	6	0	4.89	<=13	Pass
	848.3	6	0	4.25	<=13	Pass
16QAM	824.7	6	0	5.69	<=13	Pass
	836.5	6	0	5.79	<=13	Pass
	848.3	6	0	5.14	<=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	5.11	<=13	Pass
	836.5	15	0	5.14	<=13	Pass
	847.5	15	0	4.72	<=13	Pass
16QAM	825.5	15	0	5.94	<=13	Pass
	836.5	15	0	5.95	<=13	Pass
	847.5	15	0	5.63	<=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	5.38	<=13	Pass
	836.5	25	0	5.35	<=13	Pass
	846.5	25	0	5.20	<=13	Pass
16QAM	826.5	25	0	6.08	<=13	Pass
	836.5	25	0	6.10	<=13	Pass
	846.5	25	0	5.94	<=13	Pass

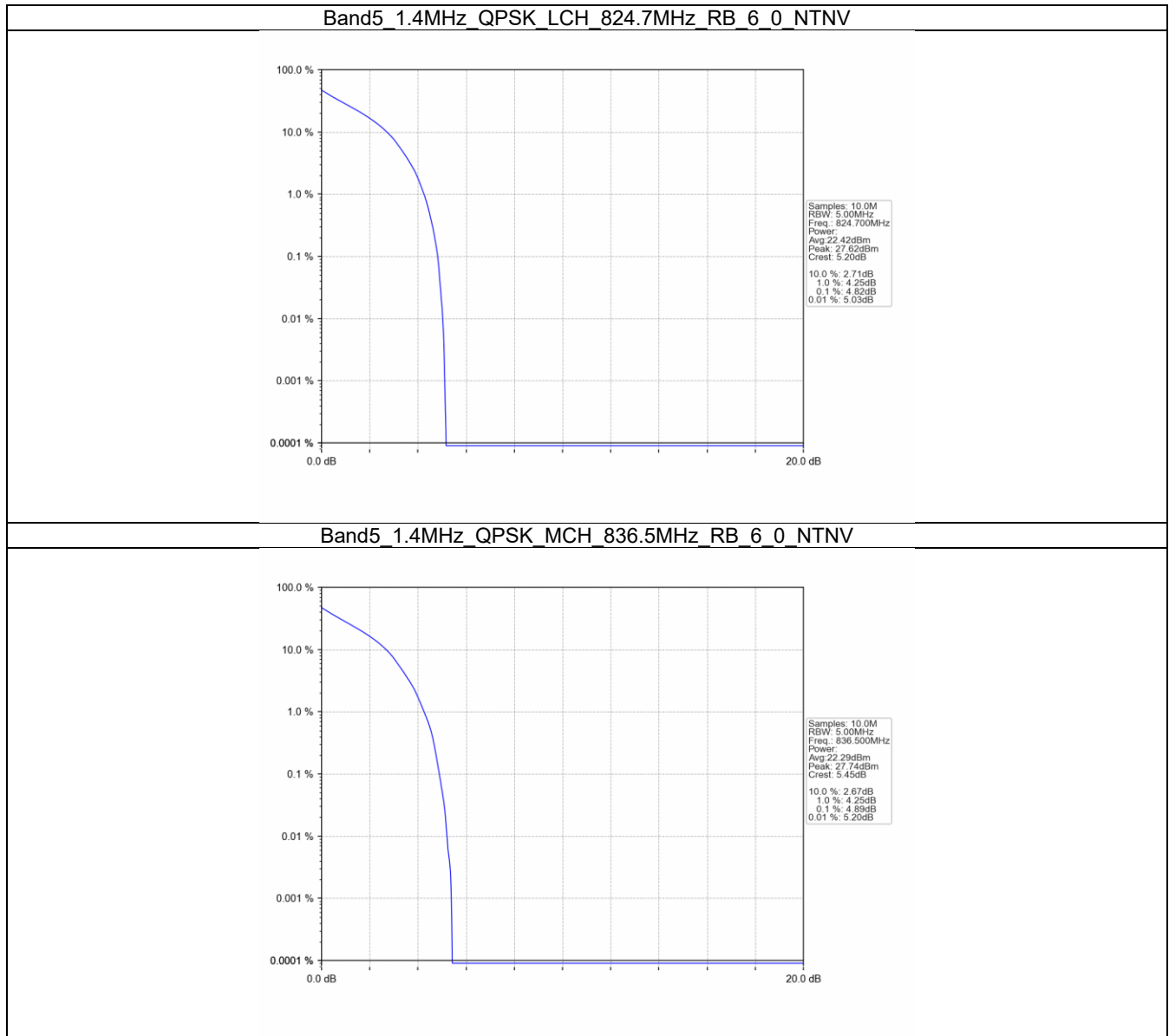
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.40	<=13	Pass
	836.5	50	0	5.34	<=13	Pass
	844	50	0	5.21	<=13	Pass
16QAM	829	50	0	6.20	<=13	Pass
	836.5	50	0	6.14	<=13	Pass
	844	50	0	5.97	<=13	Pass



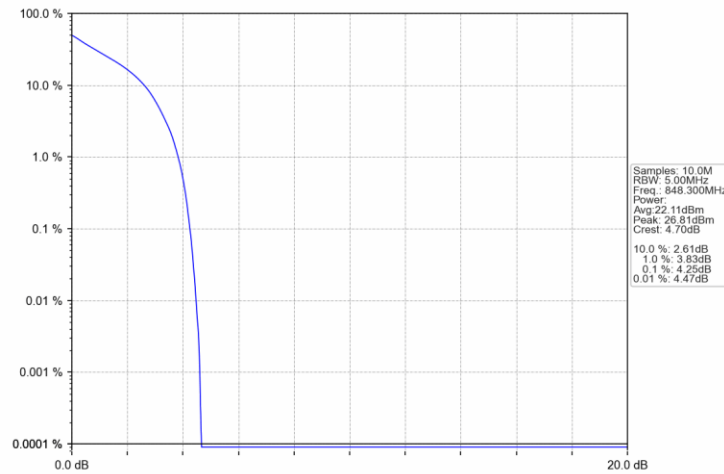
5.2 Test Graph

5.2.1 B5_1.4MHz

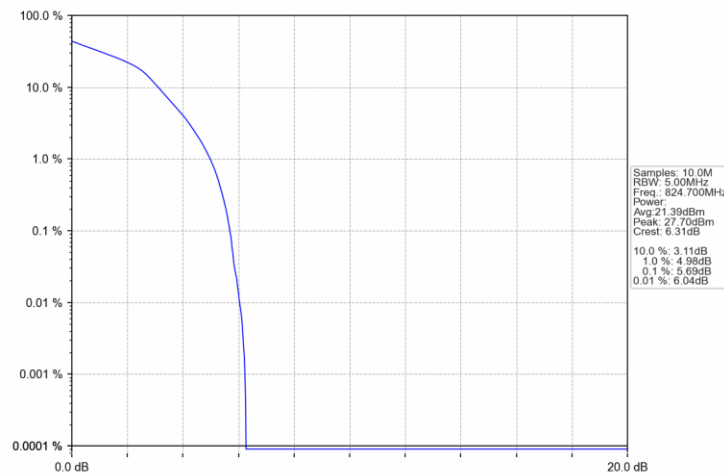




Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV

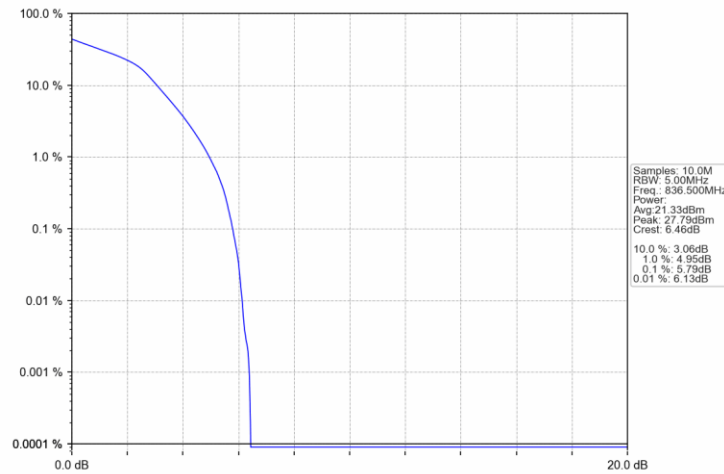


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV





Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

