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	23.21	-1.60	19.46	<=34.77	Pass
			2	23.41	-1.60	19.66	<=34.77	Pass
			5	23.21	-1.60	19.46	<=34.77	Pass
		3	0	23.27	-1.60	19.52	<=34.77	Pass
			2	23.35	-1.60	19.60	<=34.77	Pass
			3	23.30	-1.60	19.55	<=34.77	Pass
		6	0	22.23	-1.60	18.48	<=34.77	Pass
	836.5	1	0	22.69	-1.60	18.94	<=34.77	Pass
			2	22.84	-1.60	19.09	<=34.77	Pass
			5	22.70	-1.60	18.95	<=34.77	Pass
		3	0	22.79	-1.60	19.04	<=34.77	Pass
			2	22.81	-1.60	19.06	<=34.77	Pass
			3	22.82	-1.60	19.07	<=34.77	Pass
		6	0	21.76	-1.60	18.01	<=34.77	Pass
	848.3	1	0	22.67	-1.60	18.92	<=34.77	Pass
			2	22.81	-1.60	19.06	<=34.77	Pass
			5	22.66	-1.60	18.91	<=34.77	Pass
		3	0	22.71	-1.60	18.96	<=34.77	Pass
			2	22.77	-1.60	19.02	<=34.77	Pass
			3	22.75	-1.60	19.00	<=34.77	Pass
		6	0	21.70	-1.60	17.95	<=34.77	Pass
16QAM	824.7	1	0	22.19	-1.60	18.44	<=34.77	Pass
			2	22.14	-1.60	18.39	<=34.77	Pass
			5	21.89	-1.60	18.14	<=34.77	Pass
		3	0	21.70	-1.60	17.95	<=34.77	Pass
			2	21.70	-1.60	17.95	<=34.77	Pass
			3	21.72	-1.60	17.97	<=34.77	Pass
		6	0	20.85	-1.60	17.10	<=34.77	Pass
	836.5	1	0	21.86	-1.60	18.11	<=34.77	Pass
			2	22.00	-1.60	18.25	<=34.77	Pass
			5	21.87	-1.60	18.12	<=34.77	Pass
		3	0	21.69	-1.60	17.94	<=34.77	Pass
			2	21.73	-1.60	17.98	<=34.77	Pass
			3	21.69	-1.60	17.94	<=34.77	Pass
		6	0	20.74	-1.60	16.99	<=34.77	Pass
	848.3	1	0	21.54	-1.60	17.79	<=34.77	Pass
			2	21.74	-1.60	17.99	<=34.77	Pass
			5	21.49	-1.60	17.74	<=34.77	Pass
		3	0	21.54	-1.60	17.79	<=34.77	Pass
			2	21.54	-1.60	17.79	<=34.77	Pass
			3	21.52	-1.60	17.77	<=34.77	Pass
		6	0	20.78	-1.60	17.03	<=34.77	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	22.73	-1.60	18.98	<=34.77	Pass
			7	22.99	-1.60	19.24	<=34.77	Pass
			14	22.70	-1.60	18.95	<=34.77	Pass
		8	0	21.75	-1.60	18.00	<=34.77	Pass
			4	21.79	-1.60	18.04	<=34.77	Pass
			7	21.72	-1.60	17.97	<=34.77	Pass
		15	0	21.70	-1.60	17.95	<=34.77	Pass
	836.5	1	0	22.76	-1.60	19.01	<=34.77	Pass
			7	22.99	-1.60	19.24	<=34.77	Pass
			14	22.74	-1.60	18.99	<=34.77	Pass
		8	0	21.75	-1.60	18.00	<=34.77	Pass
			4	21.76	-1.60	18.01	<=34.77	Pass
			7	21.74	-1.60	17.99	<=34.77	Pass
		15	0	21.70	-1.60	17.95	<=34.77	Pass
	847.5	1	0	22.66	-1.60	18.91	<=34.77	Pass
			7	22.81	-1.60	19.06	<=34.77	Pass
			14	22.62	-1.60	18.87	<=34.77	Pass
		8	0	21.68	-1.60	17.93	<=34.77	Pass
			4	21.74	-1.60	17.99	<=34.77	Pass
			7	21.68	-1.60	17.93	<=34.77	Pass
		15	0	21.67	-1.60	17.92	<=34.77	Pass
16QAM	825.5	1	0	21.91	-1.60	18.16	<=34.77	Pass
			7	22.10	-1.60	18.35	<=34.77	Pass
			14	21.86	-1.60	18.11	<=34.77	Pass
		8	0	20.85	-1.60	17.10	<=34.77	Pass
			4	20.87	-1.60	17.12	<=34.77	Pass
			7	20.81	-1.60	17.06	<=34.77	Pass
		15	0	20.73	-1.60	16.98	<=34.77	Pass
	836.5	1	0	21.65	-1.60	17.90	<=34.77	Pass
			7	21.81	-1.60	18.06	<=34.77	Pass
			14	21.65	-1.60	17.90	<=34.77	Pass
		8	0	20.85	-1.60	17.10	<=34.77	Pass
			4	20.87	-1.60	17.12	<=34.77	Pass
			7	20.83	-1.60	17.08	<=34.77	Pass
		15	0	20.73	-1.60	16.98	<=34.77	Pass
	847.5	1	0	21.84	-1.60	18.09	<=34.77	Pass
			7	22.04	-1.60	18.29	<=34.77	Pass
			14	21.79	-1.60	18.04	<=34.77	Pass
		8	0	20.82	-1.60	17.07	<=34.77	Pass
			4	20.86	-1.60	17.11	<=34.77	Pass
			7	20.80	-1.60	17.05	<=34.77	Pass
		15	0	20.74	-1.60	16.99	<=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	22.62	-1.60	18.87	<=34.77	Pass
			13	22.76	-1.60	19.01	<=34.77	Pass
			24	22.69	-1.60	18.94	<=34.77	Pass
		12	0	21.78	-1.60	18.03	<=34.77	Pass
			6	21.76	-1.60	18.01	<=34.77	Pass
			13	21.77	-1.60	18.02	<=34.77	Pass
		25	0	21.79	-1.60	18.04	<=34.77	Pass
	836.5	1	0	22.72	-1.60	18.97	<=34.77	Pass
			13	22.83	-1.60	19.08	<=34.77	Pass
			24	22.71	-1.60	18.96	<=34.77	Pass
		12	0	21.66	-1.60	17.91	<=34.77	Pass
			6	21.81	-1.60	18.06	<=34.77	Pass
			13	21.66	-1.60	17.91	<=34.77	Pass
		25	0	21.68	-1.60	17.93	<=34.77	Pass
	846.5	1	0	22.63	-1.60	18.88	<=34.77	Pass
			13	22.75	-1.60	19.00	<=34.77	Pass
			24	22.62	-1.60	18.87	<=34.77	Pass
		12	0	21.58	-1.60	17.83	<=34.77	Pass
			6	21.74	-1.60	17.99	<=34.77	Pass
			13	21.70	-1.60	17.95	<=34.77	Pass
		25	0	21.71	-1.60	17.96	<=34.77	Pass
16QAM	826.5	1	0	21.82	-1.60	18.07	<=34.77	Pass
			13	21.91	-1.60	18.16	<=34.77	Pass
			24	21.81	-1.60	18.06	<=34.77	Pass
		12	0	20.85	-1.60	17.10	<=34.77	Pass
			6	20.89	-1.60	17.14	<=34.77	Pass
			13	20.86	-1.60	17.11	<=34.77	Pass
		25	0	20.81	-1.60	17.06	<=34.77	Pass
	836.5	1	0	21.84	-1.60	18.09	<=34.77	Pass
			13	21.96	-1.60	18.21	<=34.77	Pass
			24	21.80	-1.60	18.05	<=34.77	Pass
		12	0	20.78	-1.60	17.03	<=34.77	Pass
			6	20.90	-1.60	17.15	<=34.77	Pass
			13	20.73	-1.60	16.98	<=34.77	Pass
		25	0	20.83	-1.60	17.08	<=34.77	Pass
	846.5	1	0	21.65	-1.60	17.90	<=34.77	Pass
			13	21.76	-1.60	18.01	<=34.77	Pass
			24	21.65	-1.60	17.90	<=34.77	Pass
		12	0	20.67	-1.60	16.92	<=34.77	Pass
			6	20.78	-1.60	17.03	<=34.77	Pass
			13	20.80	-1.60	17.05	<=34.77	Pass
		25	0	20.74	-1.60	16.99	<=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	22.66	-1.60	18.91	<=34.77	Pass
			25	22.83	-1.60	19.08	<=34.77	Pass
			49	22.71	-1.60	18.96	<=34.77	Pass
		25	0	21.76	-1.60	18.01	<=34.77	Pass
			13	21.76	-1.60	18.01	<=34.77	Pass
			25	21.86	-1.60	18.11	<=34.77	Pass
		50	0	21.80	-1.60	18.05	<=34.77	Pass
	836.5	1	0	22.73	-1.60	18.98	<=34.77	Pass
			25	22.90	-1.60	19.15	<=34.77	Pass
			49	22.71	-1.60	18.96	<=34.77	Pass
		25	0	21.67	-1.60	17.92	<=34.77	Pass
			13	21.75	-1.60	18.00	<=34.77	Pass
			25	21.66	-1.60	17.91	<=34.77	Pass
		50	0	21.64	-1.60	17.89	<=34.77	Pass
	844	1	0	22.66	-1.60	18.91	<=34.77	Pass
			25	22.71	-1.60	18.96	<=34.77	Pass
			49	22.61	-1.60	18.86	<=34.77	Pass
		25	0	21.82	-1.60	18.07	<=34.77	Pass
			13	21.73	-1.60	17.98	<=34.77	Pass
			25	21.94	-1.60	18.19	<=34.77	Pass
		50	0	21.86	-1.60	18.11	<=34.77	Pass
16QAM	829	1	0	21.82	-1.60	18.07	<=34.77	Pass
			25	21.95	-1.60	18.20	<=34.77	Pass
			49	21.94	-1.60	18.19	<=34.77	Pass
		25	0	20.80	-1.60	17.05	<=34.77	Pass
			13	20.83	-1.60	17.08	<=34.77	Pass
			25	20.99	-1.60	17.24	<=34.77	Pass
		50	0	20.86	-1.60	17.11	<=34.77	Pass
	836.5	1	0	21.65	-1.60	17.90	<=34.77	Pass
			25	21.70	-1.60	17.95	<=34.77	Pass
			49	21.63	-1.60	17.88	<=34.77	Pass
		25	0	20.79	-1.60	17.04	<=34.77	Pass
			13	20.85	-1.60	17.10	<=34.77	Pass
			25	20.76	-1.60	17.01	<=34.77	Pass
		50	0	20.78	-1.60	17.03	<=34.77	Pass
	844	1	0	21.84	-1.60	18.09	<=34.77	Pass
			25	21.83	-1.60	18.08	<=34.77	Pass
			49	21.80	-1.60	18.05	<=34.77	Pass
		25	0	20.88	-1.60	17.13	<=34.77	Pass
			13	20.79	-1.60	17.04	<=34.77	Pass
			25	20.98	-1.60	17.23	<=34.77	Pass
		50	0	20.97	-1.60	17.22	<=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	3.23	-3.104	-0.0038	-2.5 to 2.5	Pass
					3.80	-5.636	-0.0068	-2.5 to 2.5	Pass
					4.37	-6.394	-0.0078	-2.5 to 2.5	Pass
				-30	3.80	-6.480	-0.0079	-2.5 to 2.5	Pass
				-20	3.80	-7.710	-0.0093	-2.5 to 2.5	Pass
				-10	3.80	-8.054	-0.0098	-2.5 to 2.5	Pass
				0	3.80	-5.751	-0.0070	-2.5 to 2.5	Pass
				10	3.80	-3.934	-0.0048	-2.5 to 2.5	Pass
				30	3.80	-8.526	-0.0103	-2.5 to 2.5	Pass
				40	3.80	-8.955	-0.0109	-2.5 to 2.5	Pass
				50	3.80	-7.539	-0.0091	-2.5 to 2.5	Pass
	836.5	6	0	20	3.23	-0.672	-0.0008	-2.5 to 2.5	Pass
					3.80	-11.058	-0.0132	-2.5 to 2.5	Pass
					4.37	-0.587	-0.0007	-2.5 to 2.5	Pass
				-30	3.80	-4.392	-0.0053	-2.5 to 2.5	Pass
				-20	3.80	-3.519	-0.0042	-2.5 to 2.5	Pass
				-10	3.80	-4.020	-0.0048	-2.5 to 2.5	Pass
				0	3.80	-1.559	-0.0019	-2.5 to 2.5	Pass
				10	3.80	-3.104	-0.0037	-2.5 to 2.5	Pass
				30	3.80	-10.815	-0.0129	-2.5 to 2.5	Pass
				40	3.80	-3.448	-0.0041	-2.5 to 2.5	Pass
				50	3.80	-7.081	-0.0085	-2.5 to 2.5	Pass
	848.3	6	0	20	3.23	-6.266	-0.0074	-2.5 to 2.5	Pass
					3.80	-8.698	-0.0103	-2.5 to 2.5	Pass
					4.37	-4.764	-0.0056	-2.5 to 2.5	Pass
				-30	3.80	-2.661	-0.0031	-2.5 to 2.5	Pass
				-20	3.80	-7.982	-0.0094	-2.5 to 2.5	Pass
				-10	3.80	-3.433	-0.0040	-2.5 to 2.5	Pass
				0	3.80	-6.852	-0.0081	-2.5 to 2.5	Pass
				10	3.80	-2.704	-0.0032	-2.5 to 2.5	Pass
				30	3.80	-6.108	-0.0072	-2.5 to 2.5	Pass
				40	3.80	-3.018	-0.0036	-2.5 to 2.5	Pass
				50	3.80	-10.128	-0.0119	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.23	-2.532	-0.0031	-2.5 to 2.5	Pass
					3.80	-9.413	-0.0114	-2.5 to 2.5	Pass
					4.37	-4.606	-0.0056	-2.5 to 2.5	Pass
				-30	3.80	-7.496	-0.0091	-2.5 to 2.5	Pass
				-20	3.80	-5.393	-0.0065	-2.5 to 2.5	Pass
				-10	3.80	-4.220	-0.0051	-2.5 to 2.5	Pass
				0	3.80	-2.460	-0.0030	-2.5 to 2.5	Pass
				10	3.80	-1.602	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-6.638	-0.0080	-2.5 to 2.5	Pass
				40	3.80	-1.316	-0.0016	-2.5 to 2.5	Pass
				50	3.80	-2.904	-0.0035	-2.5 to 2.5	Pass
	836.5	6	0	20	3.23	-10.829	-0.0129	-2.5 to 2.5	Pass
					3.80	-13.075	-0.0156	-2.5 to 2.5	Pass
					4.37	-6.180	-0.0074	-2.5 to 2.5	Pass
				-30	3.80	-6.309	-0.0075	-2.5 to 2.5	Pass
				-20	3.80	-3.018	-0.0036	-2.5 to 2.5	Pass
				-10	3.80	-8.926	-0.0107	-2.5 to 2.5	Pass

				0	3.80	-6.294	-0.0075	-2.5 to 2.5	Pass
				10	3.80	-7.067	-0.0084	-2.5 to 2.5	Pass
				30	3.80	-3.176	-0.0038	-2.5 to 2.5	Pass
				40	3.80	-4.520	-0.0054	-2.5 to 2.5	Pass
				50	3.80	-1.402	-0.0017	-2.5 to 2.5	Pass
	848.3	6	0	20	3.23	-0.658	-0.0008	-2.5 to 2.5	Pass
					3.80	-0.873	-0.0010	-2.5 to 2.5	Pass
					4.37	-1.574	-0.0019	-2.5 to 2.5	Pass
				-30	3.80	-1.302	-0.0015	-2.5 to 2.5	Pass
				-20	3.80	-9.155	-0.0108	-2.5 to 2.5	Pass
				-10	3.80	-5.722	-0.0067	-2.5 to 2.5	Pass
				0	3.80	-3.390	-0.0040	-2.5 to 2.5	Pass
				10	3.80	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.80	-5.264	-0.0062	-2.5 to 2.5	Pass
				40	3.80	-1.073	-0.0013	-2.5 to 2.5	Pass
				50	3.80	-1.116	-0.0013	-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	3.23	-4.177	-0.0051	-2.5 to 2.5	Pass
					3.80	-6.495	-0.0079	-2.5 to 2.5	Pass
					4.37	-8.082	-0.0098	-2.5 to 2.5	Pass
				-30	3.80	-9.470	-0.0115	-2.5 to 2.5	Pass
				-20	3.80	-10.171	-0.0123	-2.5 to 2.5	Pass
				-10	3.80	-5.507	-0.0067	-2.5 to 2.5	Pass
				0	3.80	-8.426	-0.0102	-2.5 to 2.5	Pass
				10	3.80	-4.020	-0.0049	-2.5 to 2.5	Pass
				30	3.80	-7.696	-0.0093	-2.5 to 2.5	Pass
				40	3.80	-4.435	-0.0054	-2.5 to 2.5	Pass
				50	3.80	-5.751	-0.0070	-2.5 to 2.5	Pass
	836.5	15	0	20	3.23	-10.300	-0.0123	-2.5 to 2.5	Pass
					3.80	-8.311	-0.0099	-2.5 to 2.5	Pass
					4.37	-2.160	-0.0026	-2.5 to 2.5	Pass
				-30	3.80	-7.739	-0.0093	-2.5 to 2.5	Pass
				-20	3.80	-7.052	-0.0084	-2.5 to 2.5	Pass
				-10	3.80	-8.640	-0.0103	-2.5 to 2.5	Pass
				0	3.80	-7.653	-0.0091	-2.5 to 2.5	Pass
				10	3.80	-3.376	-0.0040	-2.5 to 2.5	Pass
				30	3.80	-9.298	-0.0111	-2.5 to 2.5	Pass
				40	3.80	-9.570	-0.0114	-2.5 to 2.5	Pass
				50	3.80	-4.935	-0.0059	-2.5 to 2.5	Pass
	847.5	15	0	20	3.23	-2.217	-0.0026	-2.5 to 2.5	Pass
					3.80	-5.493	-0.0065	-2.5 to 2.5	Pass
					4.37	-5.093	-0.0060	-2.5 to 2.5	Pass
				-30	3.80	-9.141	-0.0108	-2.5 to 2.5	Pass
				-20	3.80	-1.631	-0.0019	-2.5 to 2.5	Pass
				-10	3.80	-4.764	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-4.363	-0.0051	-2.5 to 2.5	Pass
				10	3.80	-1.273	-0.0015	-2.5 to 2.5	Pass
				30	3.80	-2.761	-0.0033	-2.5 to 2.5	Pass
				40	3.80	-5.107	-0.0060	-2.5 to 2.5	Pass
				50	3.80	-6.137	-0.0072	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.23	-6.065	-0.0073	-2.5 to 2.5	Pass
					3.80	-4.535	-0.0055	-2.5 to 2.5	Pass
					4.37	-7.710	-0.0093	-2.5 to 2.5	Pass
				-30	3.80	-5.951	-0.0072	-2.5 to 2.5	Pass
				-20	3.80	-6.552	-0.0079	-2.5 to 2.5	Pass
				-10	3.80	1.559	0.0019	-2.5 to 2.5	Pass
				0	3.80	-2.732	-0.0033	-2.5 to 2.5	Pass
				10	3.80	-6.452	-0.0078	-2.5 to 2.5	Pass
				30	3.80	-7.038	-0.0085	-2.5 to 2.5	Pass
				40	3.80	-4.163	-0.0050	-2.5 to 2.5	Pass
				50	3.80	-3.505	-0.0042	-2.5 to 2.5	Pass
	836.5	15	0	20	3.23	-4.807	-0.0057	-2.5 to 2.5	Pass
					3.80	-0.873	-0.0010	-2.5 to 2.5	Pass
					4.37	-7.539	-0.0090	-2.5 to 2.5	Pass
				-30	3.80	-9.112	-0.0109	-2.5 to 2.5	Pass
				-20	3.80	-3.691	-0.0044	-2.5 to 2.5	Pass
				-10	3.80	-8.211	-0.0098	-2.5 to 2.5	Pass
				0	3.80	-8.025	-0.0096	-2.5 to 2.5	Pass
				10	3.80	-0.200	-0.0002	-2.5 to 2.5	Pass
				30	3.80	-12.059	-0.0144	-2.5 to 2.5	Pass
				40	3.80	-7.539	-0.0090	-2.5 to 2.5	Pass
				50	3.80	-9.742	-0.0116	-2.5 to 2.5	Pass

	847.5	15	0	20	3.23	-7.181	-0.0085	-2.5 to 2.5	Pass
					3.80	-0.701	-0.0008	-2.5 to 2.5	Pass
					4.37	-5.078	-0.0060	-2.5 to 2.5	Pass
				-30	3.80	-7.782	-0.0092	-2.5 to 2.5	Pass
				-20	3.80	-6.881	-0.0081	-2.5 to 2.5	Pass
				-10	3.80	-6.180	-0.0073	-2.5 to 2.5	Pass
				0	3.80	-9.413	-0.0111	-2.5 to 2.5	Pass
				10	3.80	-2.103	-0.0025	-2.5 to 2.5	Pass
				30	3.80	-9.627	-0.0114	-2.5 to 2.5	Pass
				40	3.80	-1.731	-0.0020	-2.5 to 2.5	Pass
				50	3.80	-8.855	-0.0104	-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	3.23	-7.482	-0.0091	-2.5 to 2.5	Pass
					3.80	-8.368	-0.0101	-2.5 to 2.5	Pass
					4.37	-8.140	-0.0098	-2.5 to 2.5	Pass
				-30	3.80	-7.367	-0.0089	-2.5 to 2.5	Pass
				-20	3.80	-5.078	-0.0061	-2.5 to 2.5	Pass
				-10	3.80	-6.409	-0.0078	-2.5 to 2.5	Pass
				0	3.80	-5.465	-0.0066	-2.5 to 2.5	Pass
				10	3.80	-6.309	-0.0076	-2.5 to 2.5	Pass
				30	3.80	-3.877	-0.0047	-2.5 to 2.5	Pass
				40	3.80	-5.808	-0.0070	-2.5 to 2.5	Pass
				50	3.80	-5.193	-0.0063	-2.5 to 2.5	Pass
	836.5	25	0	20	3.23	-4.377	-0.0052	-2.5 to 2.5	Pass
					3.80	-5.007	-0.0060	-2.5 to 2.5	Pass
					4.37	-1.760	-0.0021	-2.5 to 2.5	Pass
				-30	3.80	-6.523	-0.0078	-2.5 to 2.5	Pass
				-20	3.80	-7.467	-0.0089	-2.5 to 2.5	Pass
				-10	3.80	-3.519	-0.0042	-2.5 to 2.5	Pass
				0	3.80	-1.316	-0.0016	-2.5 to 2.5	Pass
				10	3.80	-1.760	-0.0021	-2.5 to 2.5	Pass
				30	3.80	-6.194	-0.0074	-2.5 to 2.5	Pass
				40	3.80	-5.207	-0.0062	-2.5 to 2.5	Pass
				50	3.80	-6.108	-0.0073	-2.5 to 2.5	Pass
	846.5	25	0	20	3.23	-3.262	-0.0039	-2.5 to 2.5	Pass
					3.80	-3.891	-0.0046	-2.5 to 2.5	Pass
					4.37	-4.578	-0.0054	-2.5 to 2.5	Pass
				-30	3.80	-5.207	-0.0062	-2.5 to 2.5	Pass
				-20	3.80	-5.565	-0.0066	-2.5 to 2.5	Pass
				-10	3.80	-9.198	-0.0109	-2.5 to 2.5	Pass
				0	3.80	-7.625	-0.0090	-2.5 to 2.5	Pass
				10	3.80	-5.665	-0.0067	-2.5 to 2.5	Pass
				30	3.80	-11.730	-0.0139	-2.5 to 2.5	Pass
				40	3.80	-2.217	-0.0026	-2.5 to 2.5	Pass
				50	3.80	-1.602	-0.0019	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.23	-7.753	-0.0094	-2.5 to 2.5	Pass
					3.80	-3.991	-0.0048	-2.5 to 2.5	Pass
					4.37	-8.125	-0.0098	-2.5 to 2.5	Pass
				-30	3.80	-6.523	-0.0079	-2.5 to 2.5	Pass
				-20	3.80	-5.550	-0.0067	-2.5 to 2.5	Pass
				-10	3.80	-10.228	-0.0124	-2.5 to 2.5	Pass
				0	3.80	-5.865	-0.0071	-2.5 to 2.5	Pass
				10	3.80	-8.240	-0.0100	-2.5 to 2.5	Pass
				30	3.80	-7.839	-0.0095	-2.5 to 2.5	Pass
				40	3.80	-8.469	-0.0102	-2.5 to 2.5	Pass
				50	3.80	-5.665	-0.0069	-2.5 to 2.5	Pass
	836.5	25	0	20	3.23	-3.848	-0.0046	-2.5 to 2.5	Pass
					3.80	-4.478	-0.0054	-2.5 to 2.5	Pass
					4.37	-10.328	-0.0123	-2.5 to 2.5	Pass
				-30	3.80	-1.402	-0.0017	-2.5 to 2.5	Pass
				-20	3.80	-5.422	-0.0065	-2.5 to 2.5	Pass
				-10	3.80	-10.200	-0.0122	-2.5 to 2.5	Pass
				0	3.80	-1.030	-0.0012	-2.5 to 2.5	Pass
				10	3.80	-3.777	-0.0045	-2.5 to 2.5	Pass
				30	3.80	-1.845	-0.0022	-2.5 to 2.5	Pass
				40	3.80	-8.354	-0.0100	-2.5 to 2.5	Pass
				50	3.80	-6.437	-0.0077	-2.5 to 2.5	Pass

	846.5	25	0	20	3.23	-6.166	-0.0073	-2.5 to 2.5	Pass
					3.80	-7.424	-0.0088	-2.5 to 2.5	Pass
					4.37	-8.712	-0.0103	-2.5 to 2.5	Pass
				-30	3.80	-8.483	-0.0100	-2.5 to 2.5	Pass
				-20	3.80	-11.387	-0.0135	-2.5 to 2.5	Pass
				-10	3.80	-5.579	-0.0066	-2.5 to 2.5	Pass
				0	3.80	-1.774	-0.0021	-2.5 to 2.5	Pass
				10	3.80	-8.125	-0.0096	-2.5 to 2.5	Pass
				30	3.80	-10.715	-0.0127	-2.5 to 2.5	Pass
				40	3.80	-2.060	-0.0024	-2.5 to 2.5	Pass
				50	3.80	-6.008	-0.0071	-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	3.23	-5.894	-0.0071	-2.5 to 2.5	Pass
					3.80	-2.046	-0.0025	-2.5 to 2.5	Pass
					4.37	-5.450	-0.0066	-2.5 to 2.5	Pass
				-30	3.80	-5.708	-0.0069	-2.5 to 2.5	Pass
				-20	3.80	-4.978	-0.0060	-2.5 to 2.5	Pass
				-10	3.80	-8.254	-0.0100	-2.5 to 2.5	Pass
				0	3.80	-4.864	-0.0059	-2.5 to 2.5	Pass
				10	3.80	-5.507	-0.0066	-2.5 to 2.5	Pass
				30	3.80	-3.619	-0.0044	-2.5 to 2.5	Pass
				40	3.80	-6.709	-0.0081	-2.5 to 2.5	Pass
				50	3.80	-5.980	-0.0072	-2.5 to 2.5	Pass
	836.5	50	0	20	3.23	-3.233	-0.0039	-2.5 to 2.5	Pass
					3.80	-4.249	-0.0051	-2.5 to 2.5	Pass
					4.37	-5.350	-0.0064	-2.5 to 2.5	Pass
				-30	3.80	-9.027	-0.0108	-2.5 to 2.5	Pass
				-20	3.80	-3.333	-0.0040	-2.5 to 2.5	Pass
				-10	3.80	-5.250	-0.0063	-2.5 to 2.5	Pass
				0	3.80	-4.878	-0.0058	-2.5 to 2.5	Pass
				10	3.80	-5.808	-0.0069	-2.5 to 2.5	Pass
				30	3.80	-3.347	-0.0040	-2.5 to 2.5	Pass
				40	3.80	-2.689	-0.0032	-2.5 to 2.5	Pass
				50	3.80	-7.753	-0.0093	-2.5 to 2.5	Pass
	844	50	0	20	3.23	-6.709	-0.0079	-2.5 to 2.5	Pass
					3.80	-6.466	-0.0077	-2.5 to 2.5	Pass
					4.37	-6.652	-0.0079	-2.5 to 2.5	Pass
				-30	3.80	-5.507	-0.0065	-2.5 to 2.5	Pass
				-20	3.80	-9.127	-0.0108	-2.5 to 2.5	Pass
				-10	3.80	-5.479	-0.0065	-2.5 to 2.5	Pass
				0	3.80	-6.552	-0.0078	-2.5 to 2.5	Pass
				10	3.80	-6.609	-0.0078	-2.5 to 2.5	Pass
				30	3.80	-8.240	-0.0098	-2.5 to 2.5	Pass
				40	3.80	-6.280	-0.0074	-2.5 to 2.5	Pass
				50	3.80	-7.911	-0.0094	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.23	-7.567	-0.0091	-2.5 to 2.5	Pass
					3.80	-4.435	-0.0053	-2.5 to 2.5	Pass
					4.37	-6.237	-0.0075	-2.5 to 2.5	Pass
				-30	3.80	-5.622	-0.0068	-2.5 to 2.5	Pass
				-20	3.80	-4.106	-0.0050	-2.5 to 2.5	Pass
				-10	3.80	-0.401	-0.0005	-2.5 to 2.5	Pass
				0	3.80	-4.849	-0.0058	-2.5 to 2.5	Pass
				10	3.80	-9.456	-0.0114	-2.5 to 2.5	Pass
				30	3.80	-7.253	-0.0087	-2.5 to 2.5	Pass
				40	3.80	-3.619	-0.0044	-2.5 to 2.5	Pass
				50	3.80	-6.037	-0.0073	-2.5 to 2.5	Pass
	836.5	50	0	20	3.23	-2.818	-0.0034	-2.5 to 2.5	Pass
					3.80	-3.548	-0.0042	-2.5 to 2.5	Pass
					4.37	-4.263	-0.0051	-2.5 to 2.5	Pass
				-30	3.80	-3.119	-0.0037	-2.5 to 2.5	Pass
				-20	3.80	-2.317	-0.0028	-2.5 to 2.5	Pass
				-10	3.80	-6.323	-0.0076	-2.5 to 2.5	Pass
				0	3.80	-4.234	-0.0051	-2.5 to 2.5	Pass
				10	3.80	-4.907	-0.0059	-2.5 to 2.5	Pass
				30	3.80	-4.978	-0.0060	-2.5 to 2.5	Pass
				40	3.80	-3.977	-0.0048	-2.5 to 2.5	Pass
				50	3.80	-6.766	-0.0081	-2.5 to 2.5	Pass

	844	50	0	20	3.23	-5.522	-0.0065	-2.5 to 2.5	Pass
					3.80	-5.851	-0.0069	-2.5 to 2.5	Pass
					4.37	-5.879	-0.0070	-2.5 to 2.5	Pass
				-30	3.80	-7.682	-0.0091	-2.5 to 2.5	Pass
				-20	3.80	-3.262	-0.0039	-2.5 to 2.5	Pass
				-10	3.80	-4.749	-0.0056	-2.5 to 2.5	Pass
				0	3.80	-3.548	-0.0042	-2.5 to 2.5	Pass
				10	3.80	-6.967	-0.0083	-2.5 to 2.5	Pass
				30	3.80	-5.736	-0.0068	-2.5 to 2.5	Pass
				40	3.80	-5.822	-0.0069	-2.5 to 2.5	Pass
				50	3.80	-6.595	-0.0078	-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

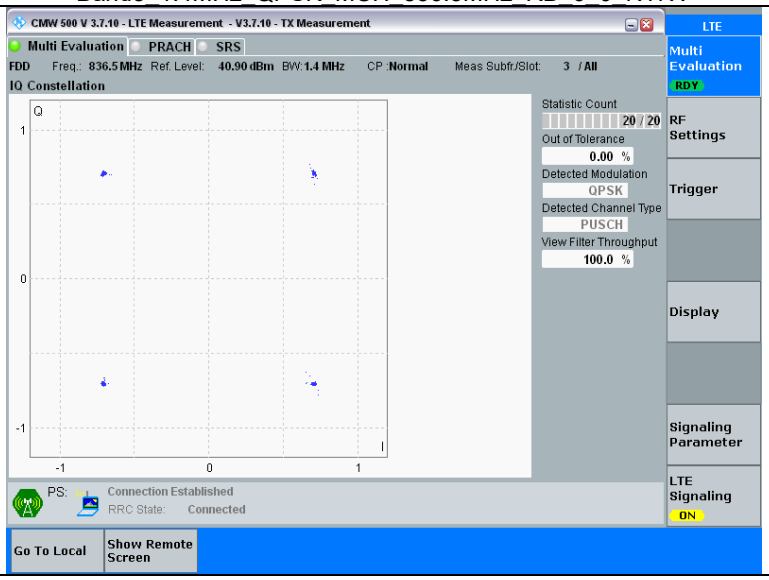
3.1.4 B5_10MHz

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

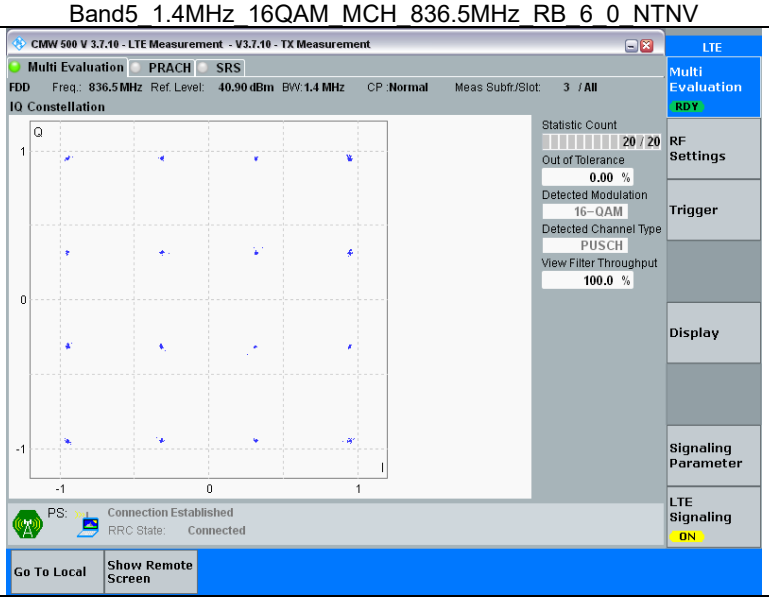
3.2 Test Graph

3.2.1 B5_1.4MHz

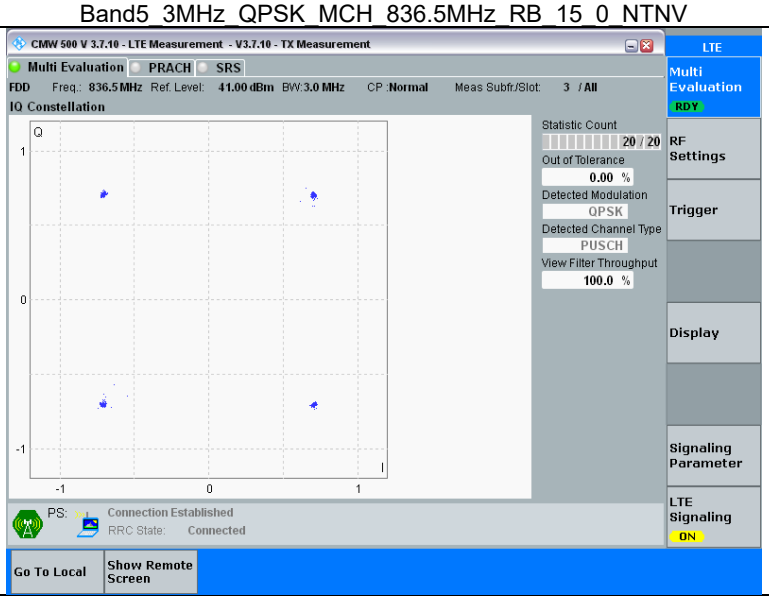
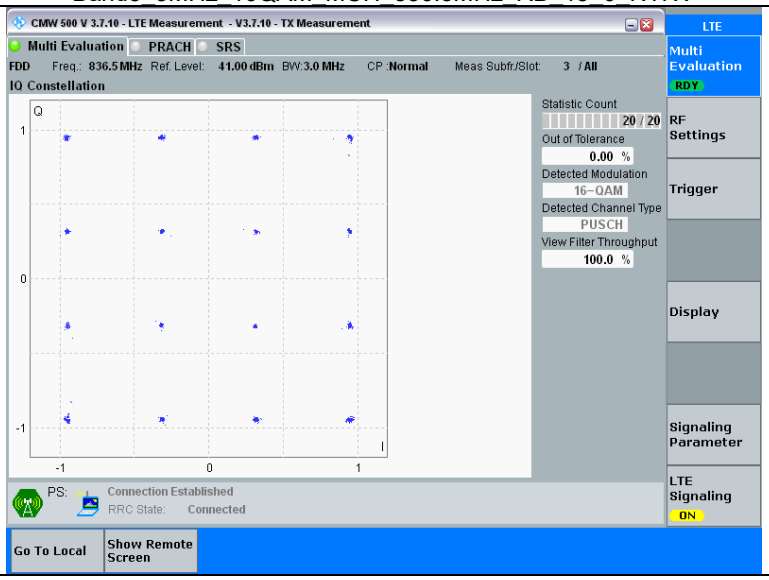
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



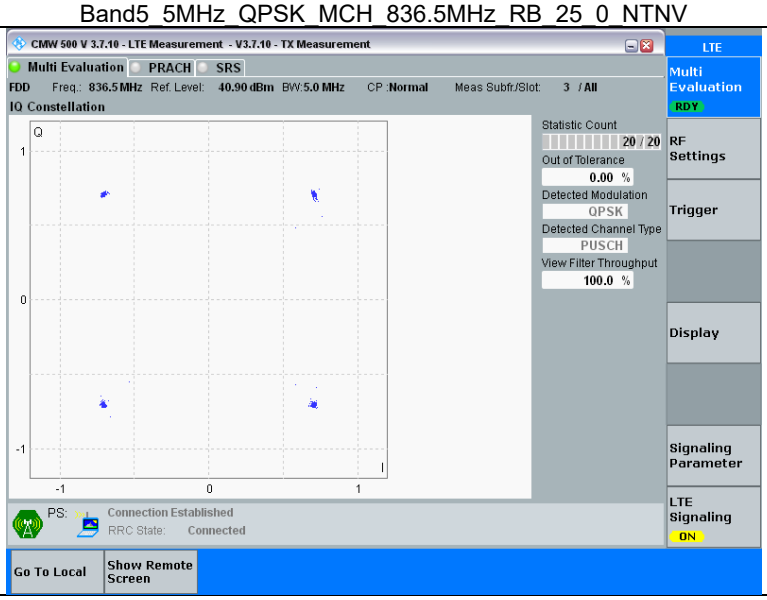
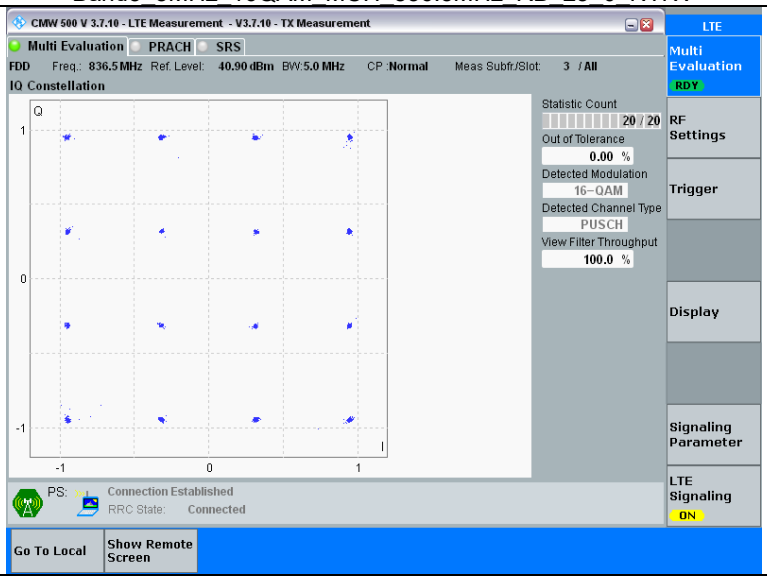
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



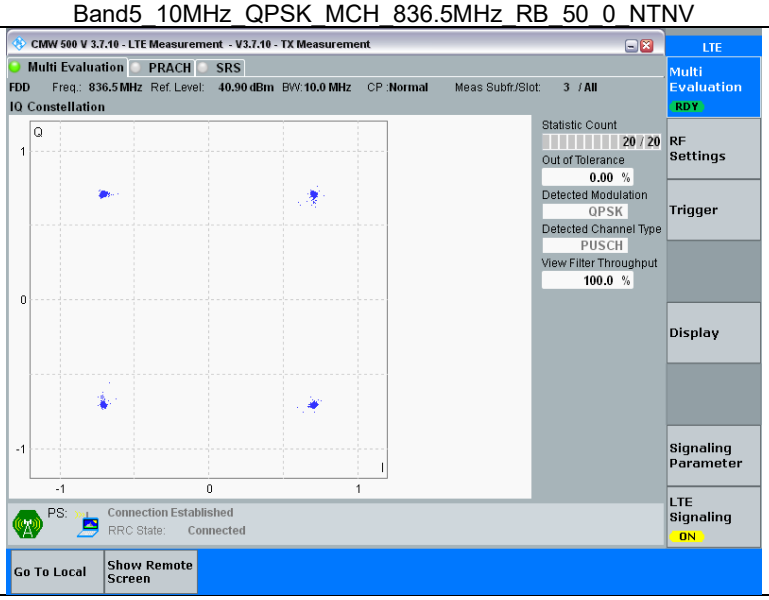
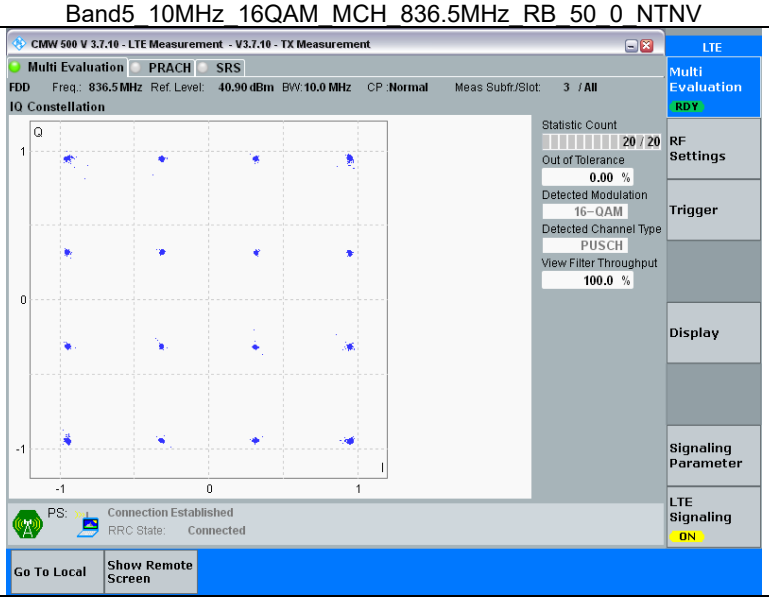
3.2.2 B5_3MHz

Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV

Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV


3.2.3 B5_5MHz

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV


3.2.4 B5_10MHz

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV


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	1.101	/	Pass
		836.5	6	0	1.118	/	Pass
		848.3	6	0	1.107	/	Pass
	16QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.105	/	Pass
3	QPSK	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.728	/	Pass
		847.5	15	0	2.712	/	Pass
	16QAM	825.5	15	0	2.717	/	Pass
		836.5	15	0	2.723	/	Pass
		847.5	15	0	2.714	/	Pass
5	QPSK	826.5	25	0	4.539	/	Pass
		836.5	25	0	4.531	/	Pass
		846.5	25	0	4.546	/	Pass
	16QAM	826.5	25	0	4.553	/	Pass
		836.5	25	0	4.528	/	Pass
		846.5	25	0	4.523	/	Pass
10	QPSK	829	50	0	9.075	/	Pass
		836.5	50	0	9.007	/	Pass
		844	50	0	9.076	/	Pass
	16QAM	829	50	0	9.073	/	Pass
		836.5	50	0	9.038	/	Pass
		844	50	0	9.097	/	Pass

4.1.2 Band5_XDB

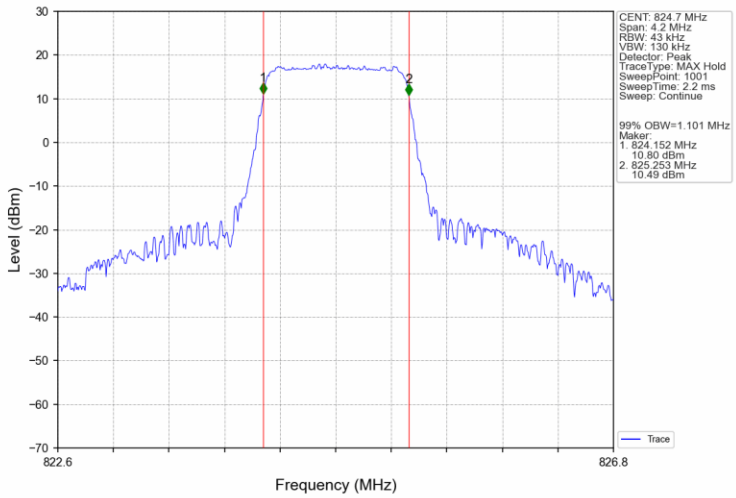
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.325	/	Pass
		836.5	6	0	1.307	/	Pass
		848.3	6	0	1.323	/	Pass
	16QAM	824.7	6	0	1.334	/	Pass
		836.5	6	0	1.325	/	Pass
		848.3	6	0	1.302	/	Pass
3	QPSK	825.5	15	0	2.995	/	Pass
		836.5	15	0	2.966	/	Pass
		847.5	15	0	2.979	/	Pass
	16QAM	825.5	15	0	2.998	/	Pass
		836.5	15	0	2.988	/	Pass
		847.5	15	0	2.980	/	Pass
5	QPSK	826.5	25	0	5.016	/	Pass
		836.5	25	0	5.009	/	Pass
		846.5	25	0	4.986	/	Pass
	16QAM	826.5	25	0	5.019	/	Pass
		836.5	25	0	5.044	/	Pass
		846.5	25	0	4.997	/	Pass
10	QPSK	829	50	0	9.934	/	Pass

		836.5	50	0	9.921	/	Pass
		844	50	0	9.994	/	Pass
	16QAM	829	50	0	9.949	/	Pass
		836.5	50	0	9.861	/	Pass
		844	50	0	9.905	/	Pass

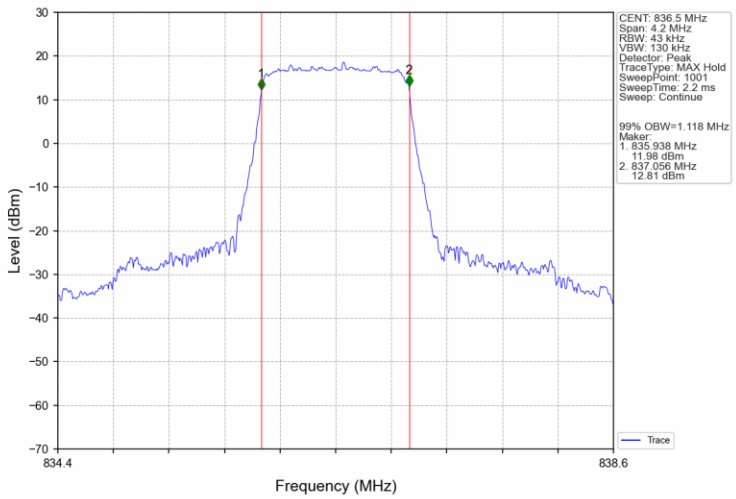
4.2 Test Graph

4.2.1 Band5_OBW

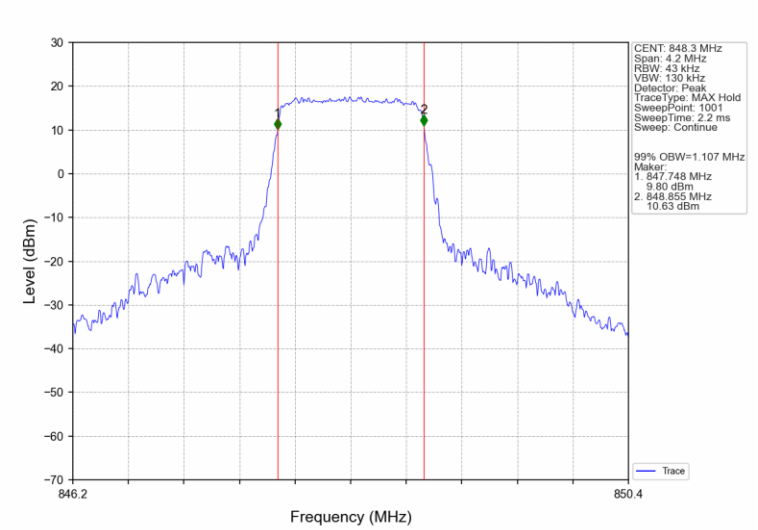
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



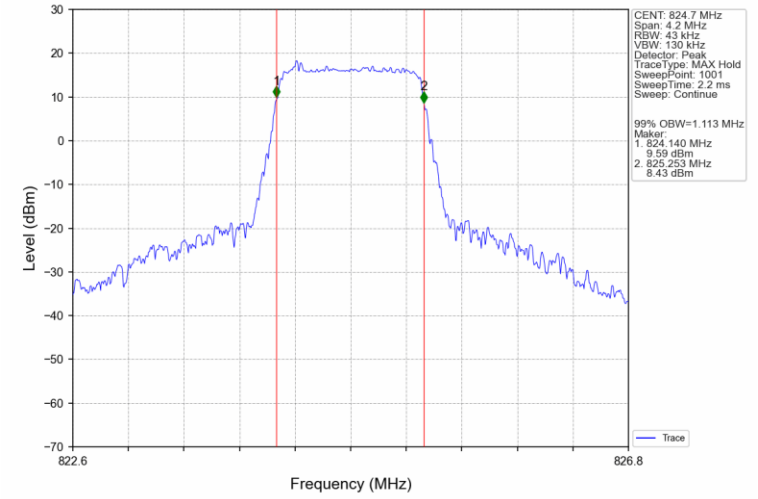
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



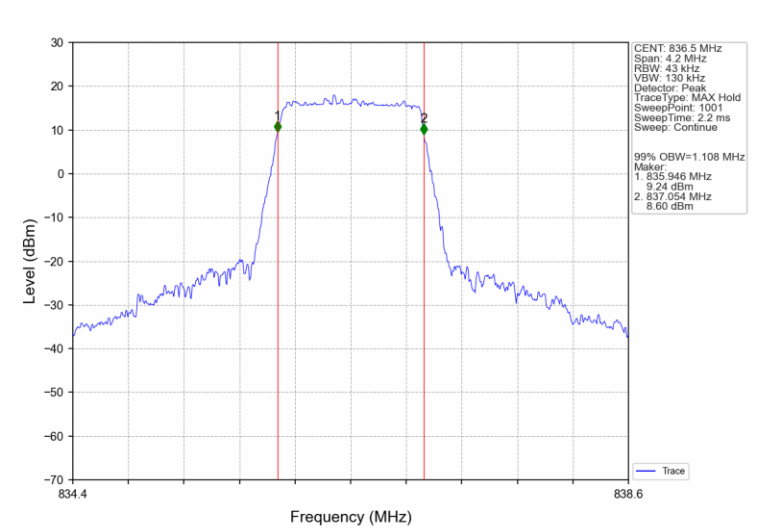
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



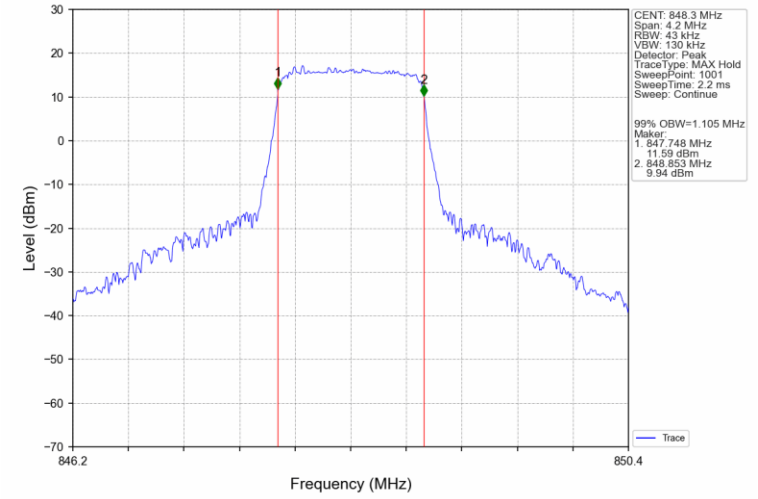
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



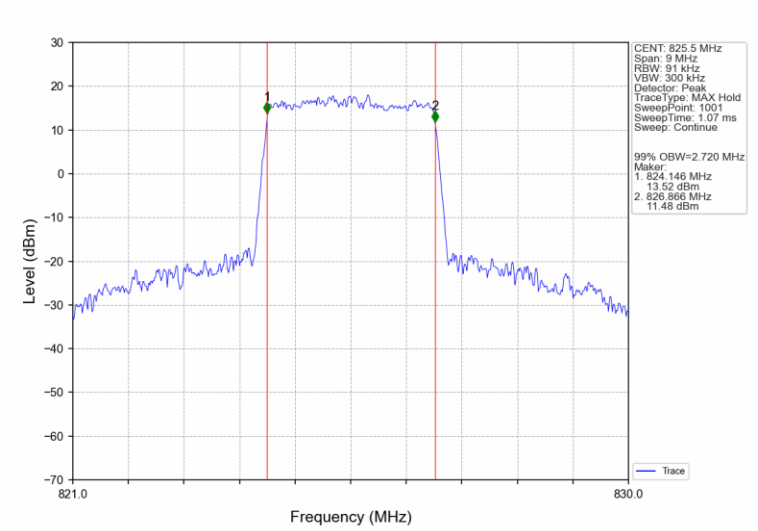
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



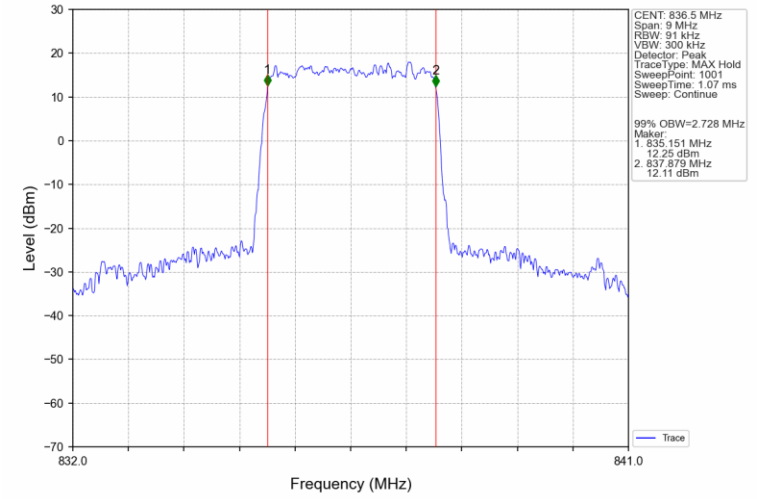
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



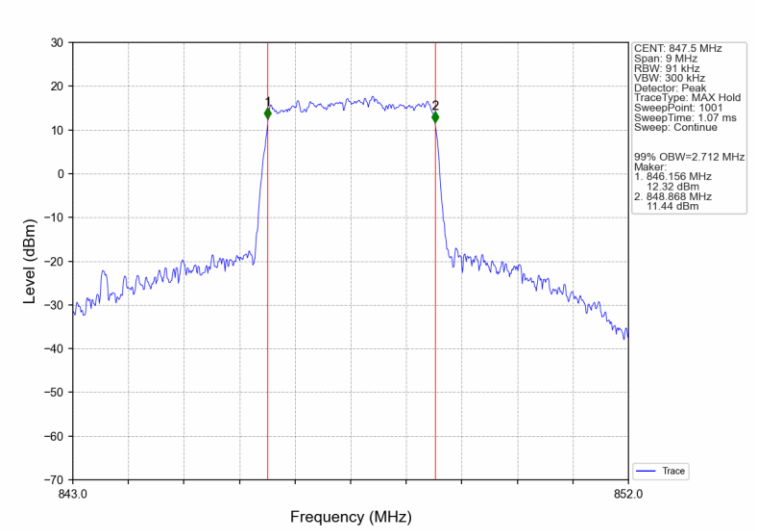
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



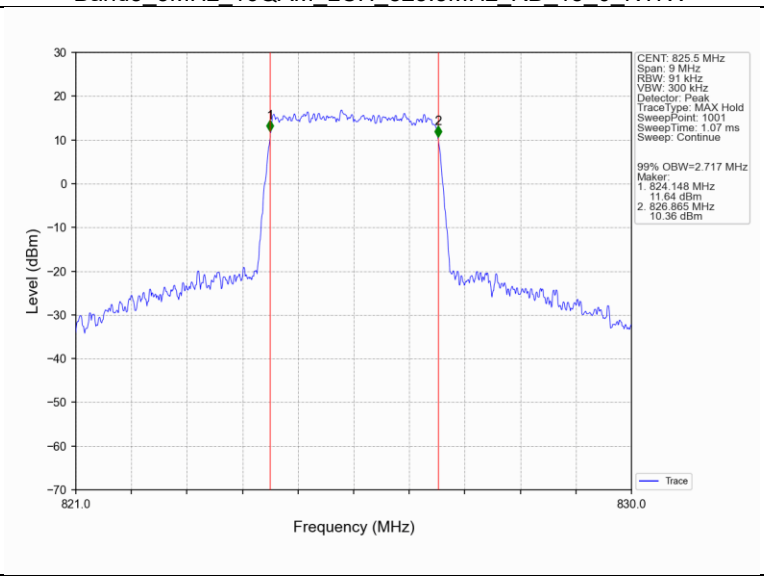
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



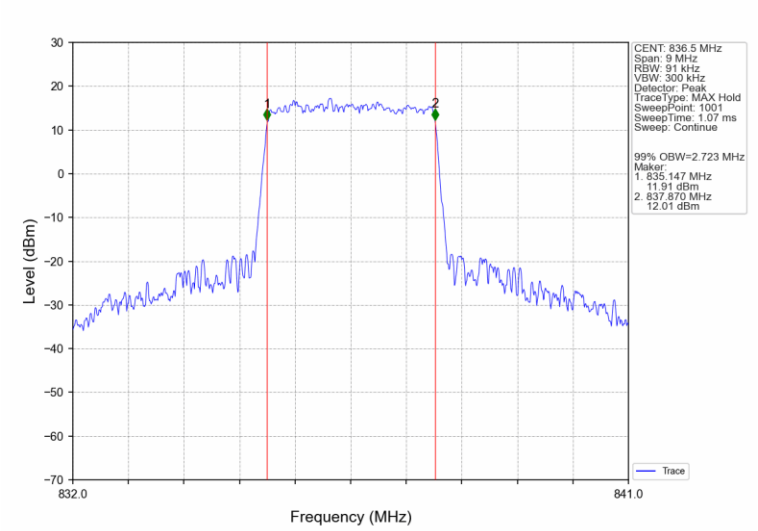
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



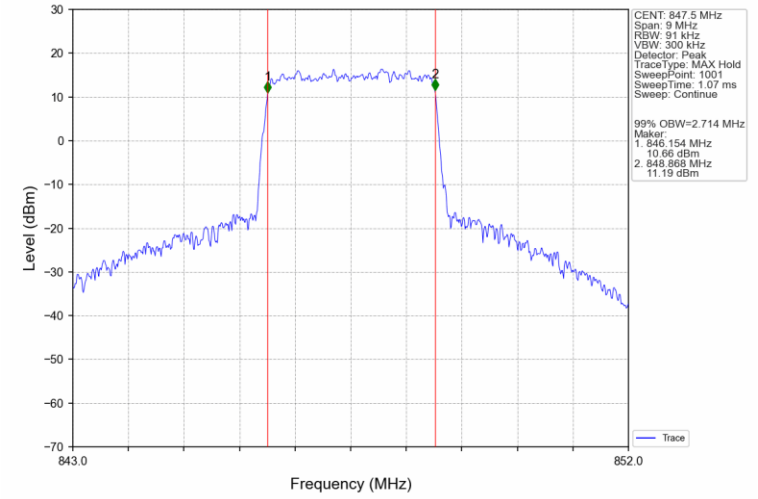
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



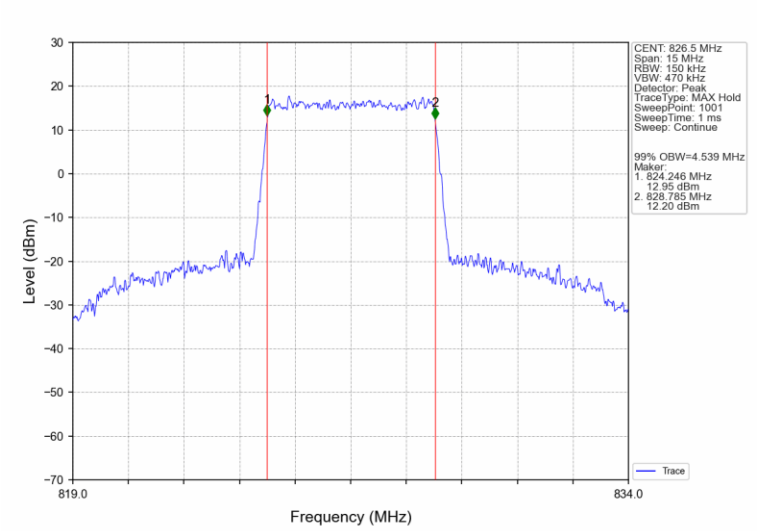
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



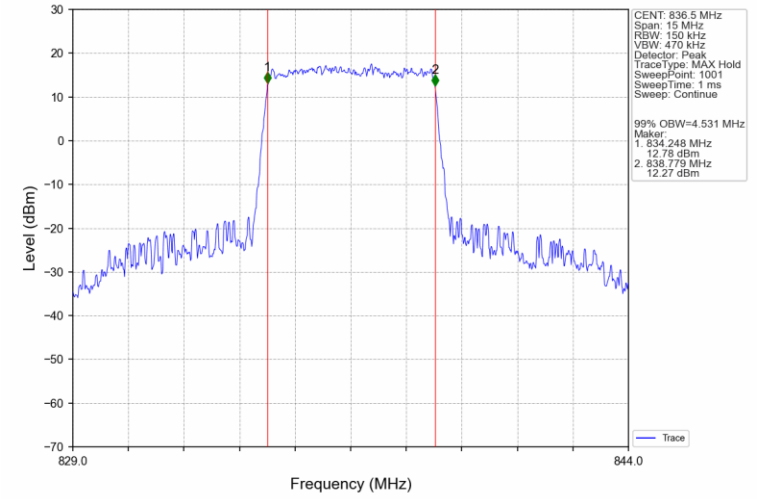
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



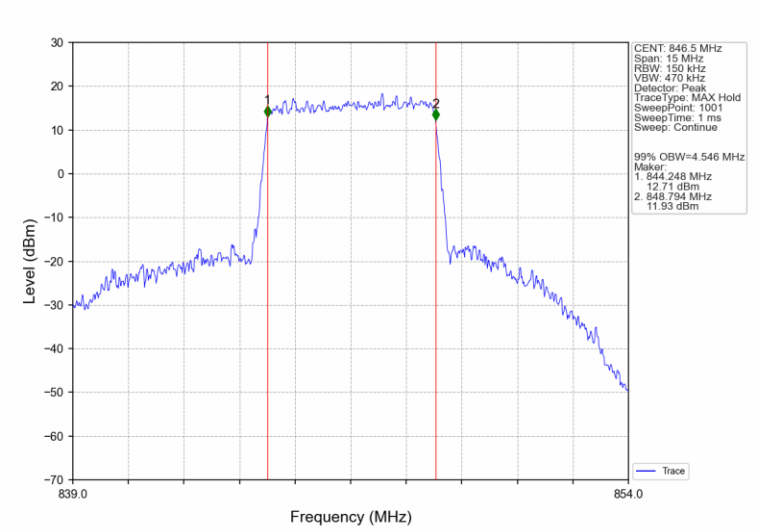
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



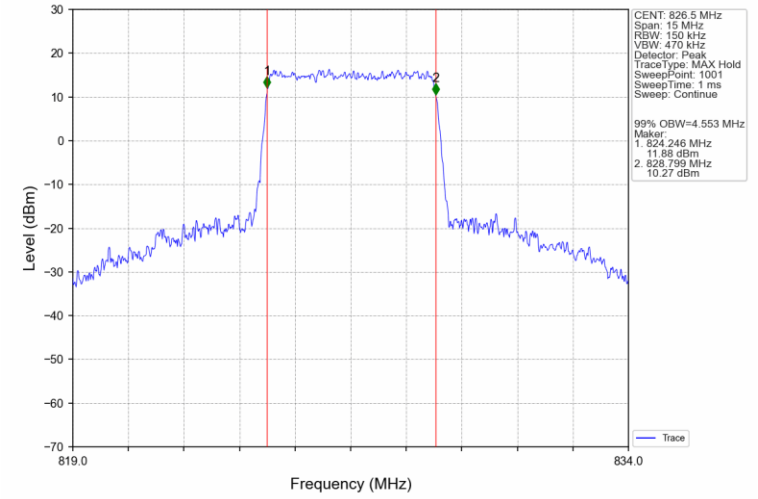
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



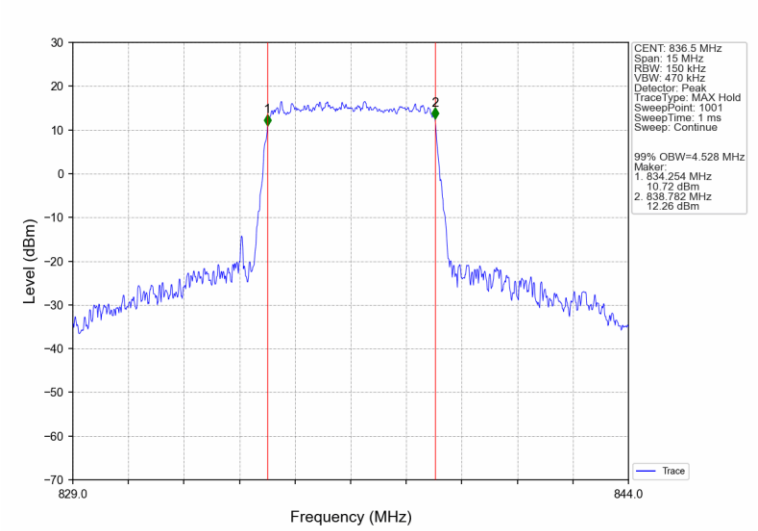
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



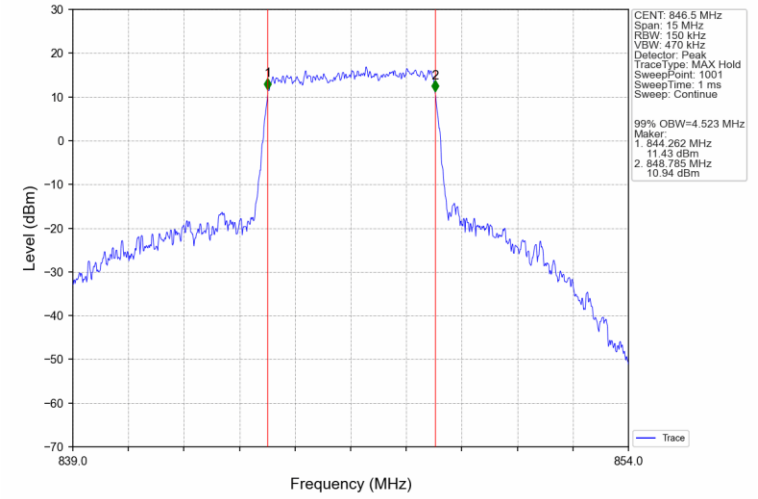
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



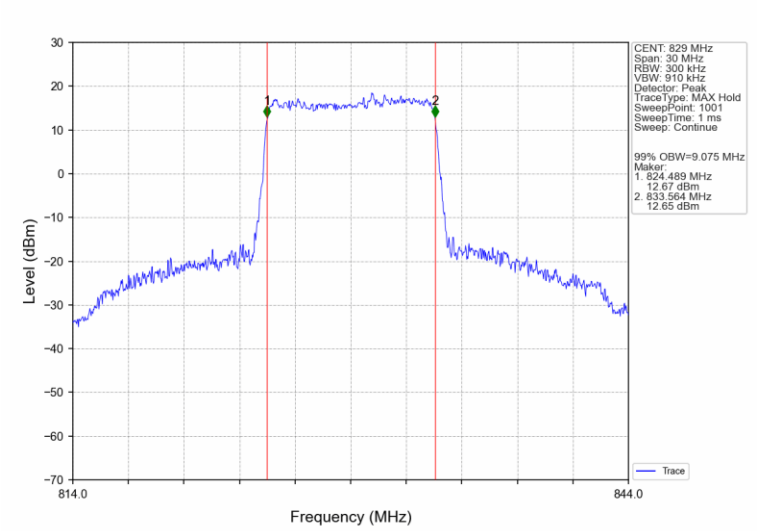
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



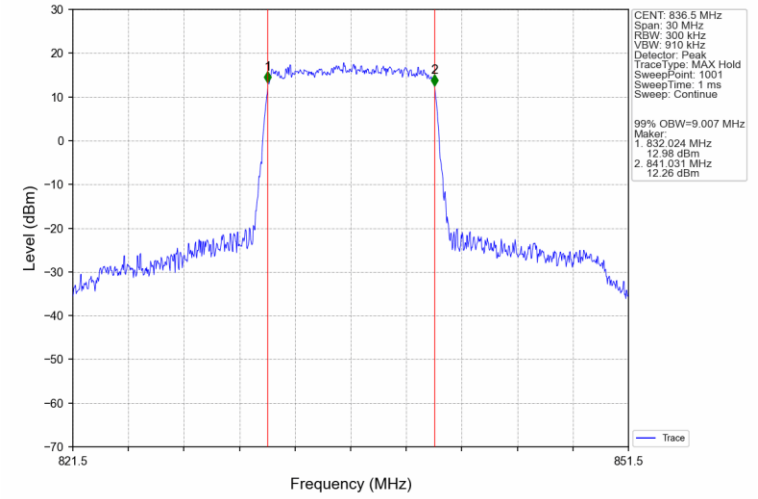
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



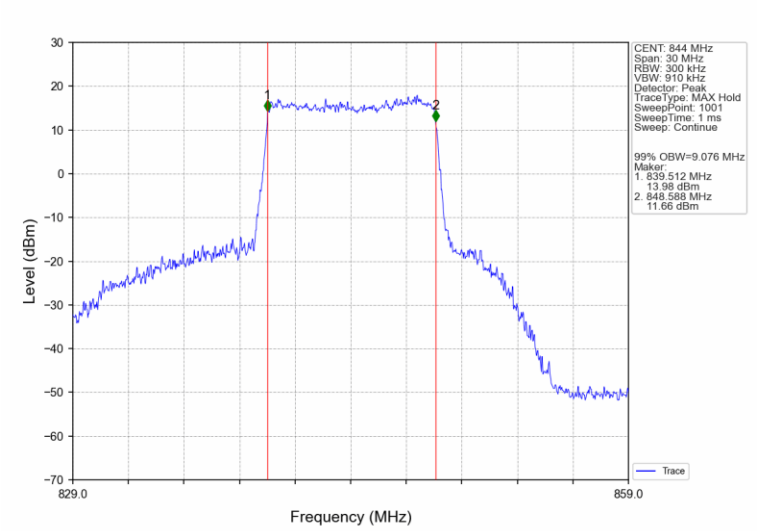
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



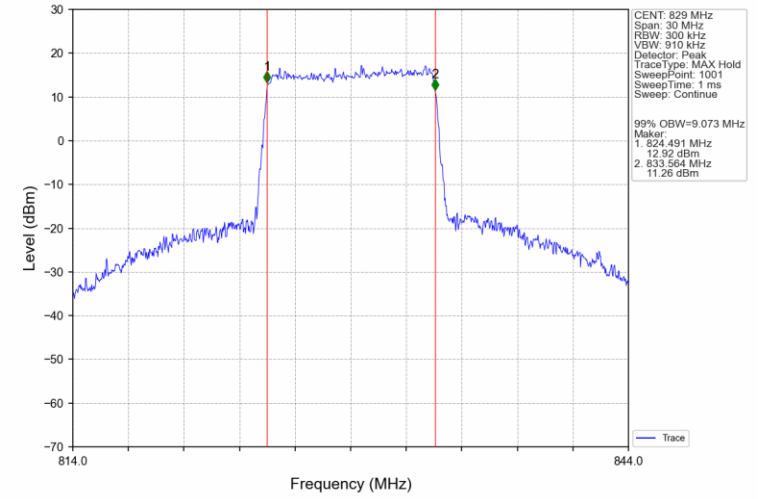
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



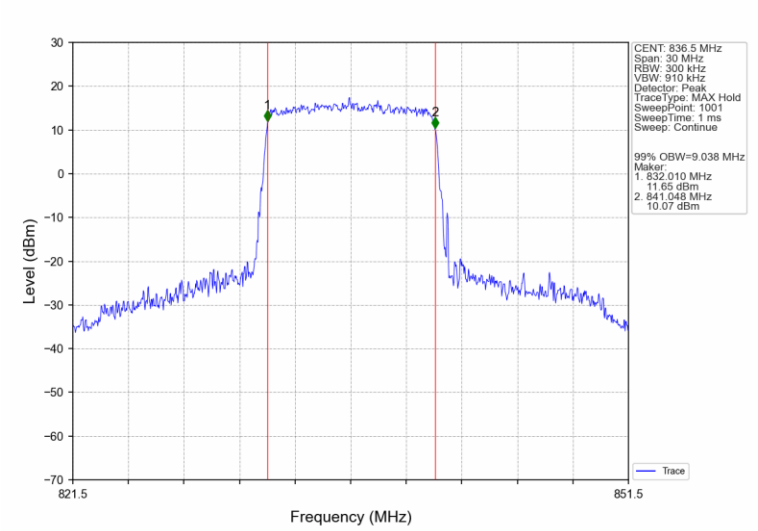
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



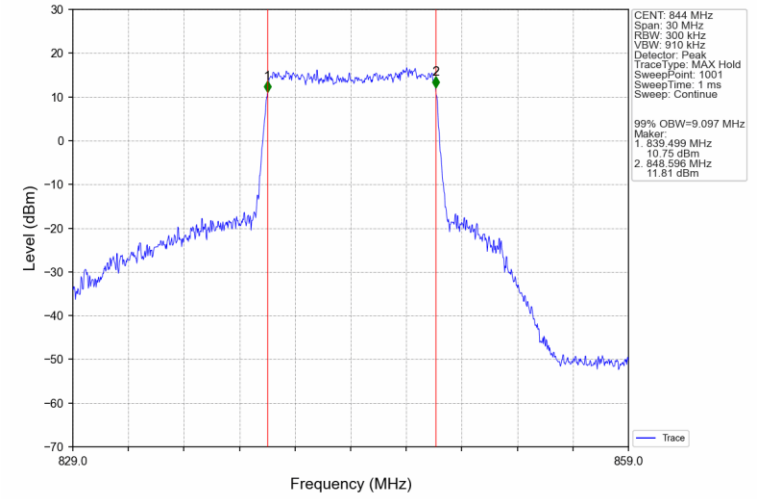
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



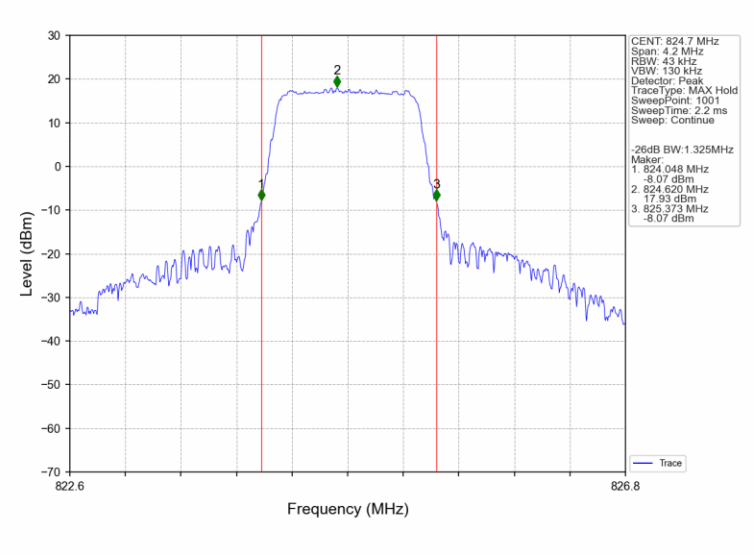
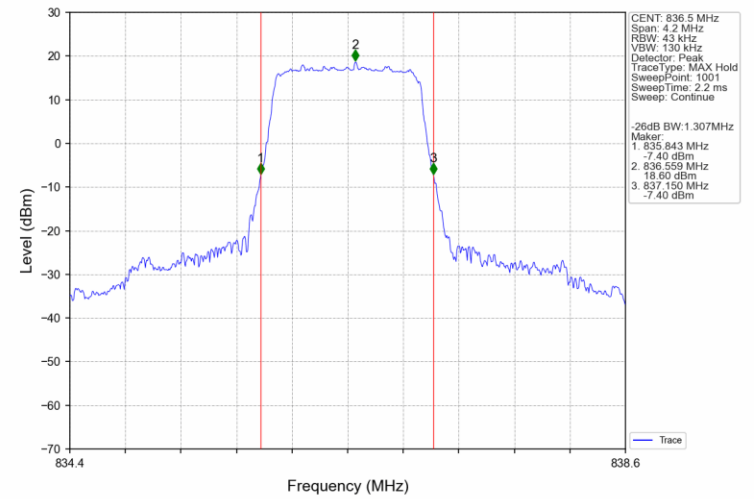
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



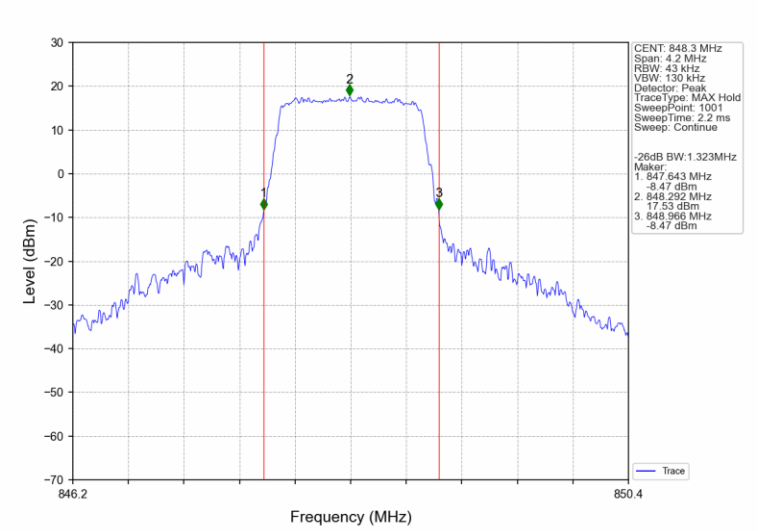
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



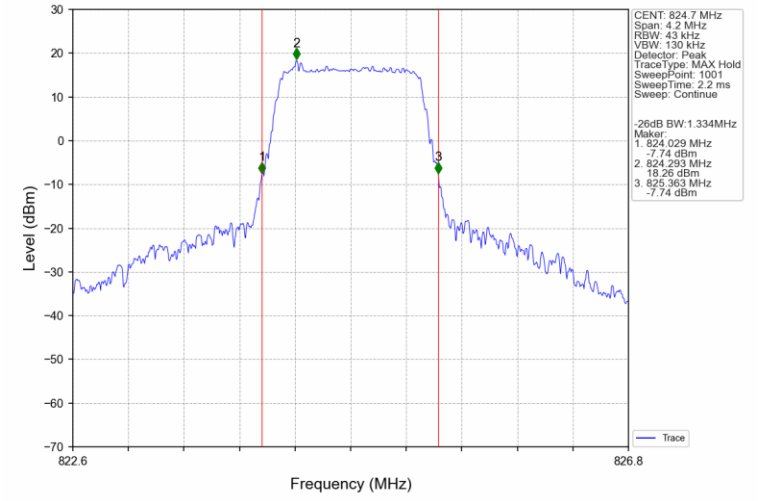
4.2.2 Band5_XDB

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV


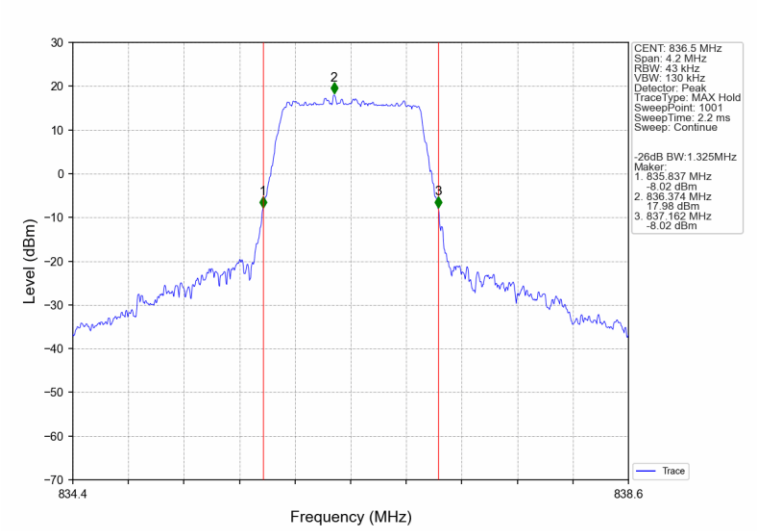
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



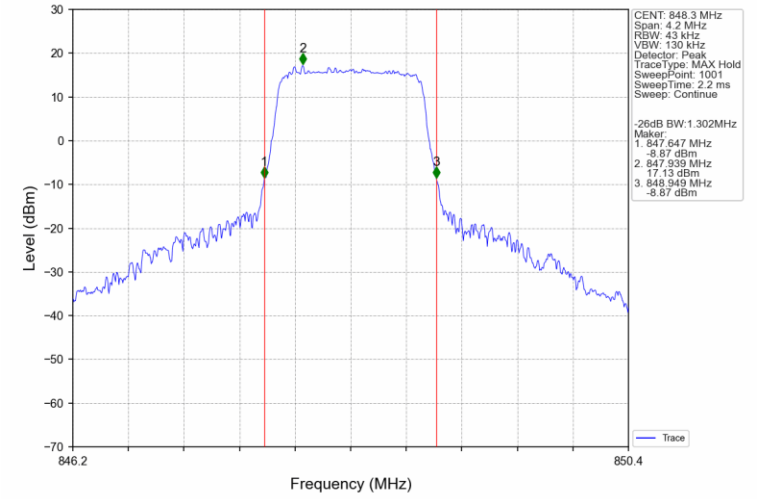
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



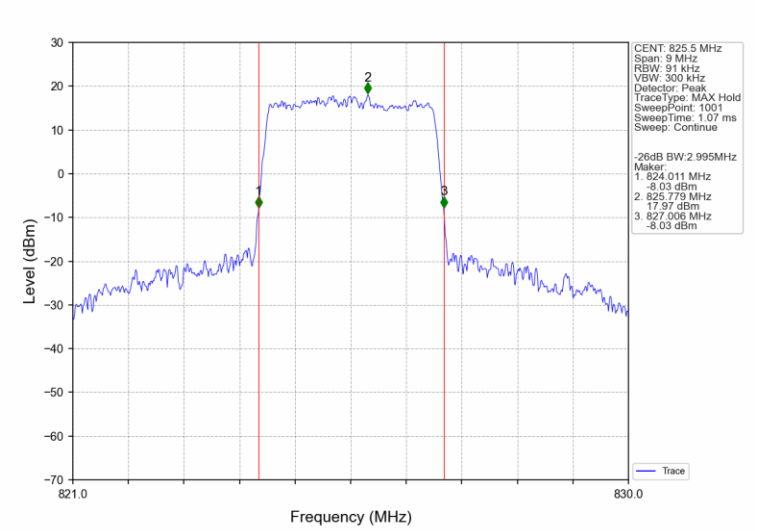
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



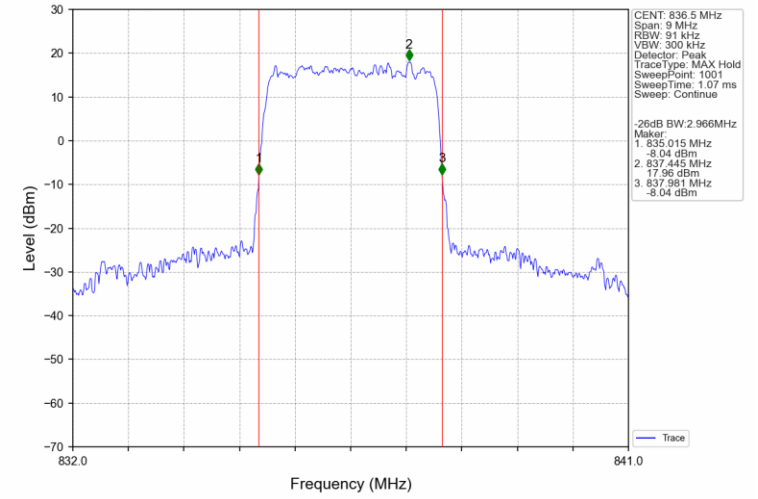
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



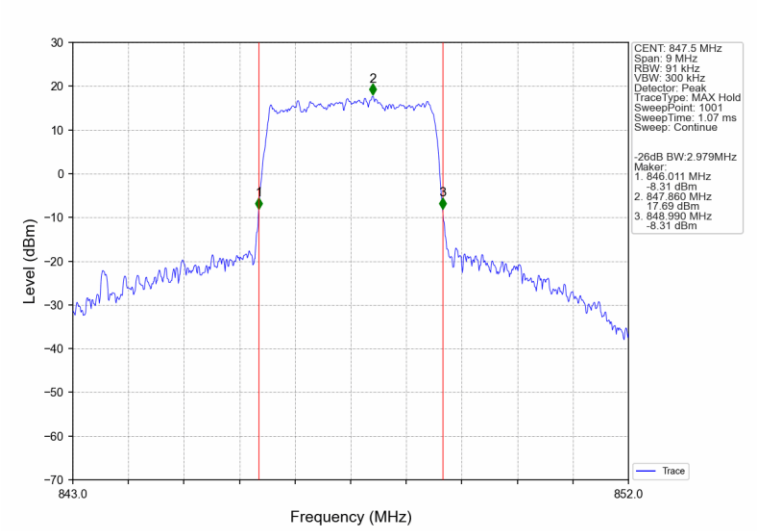
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



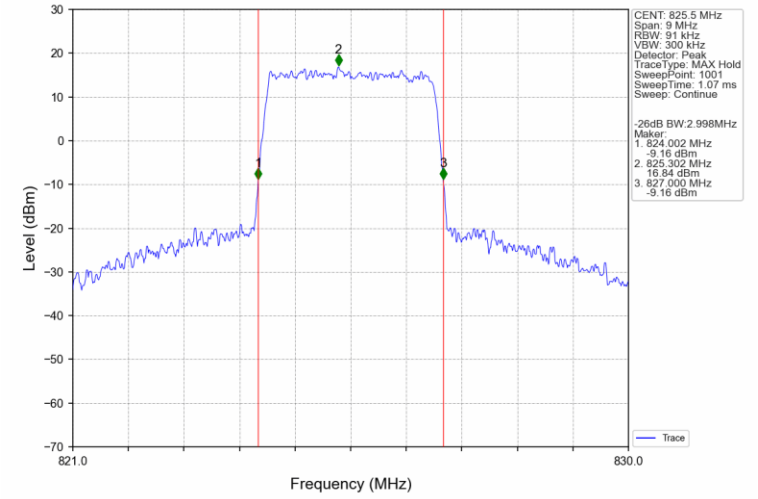
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



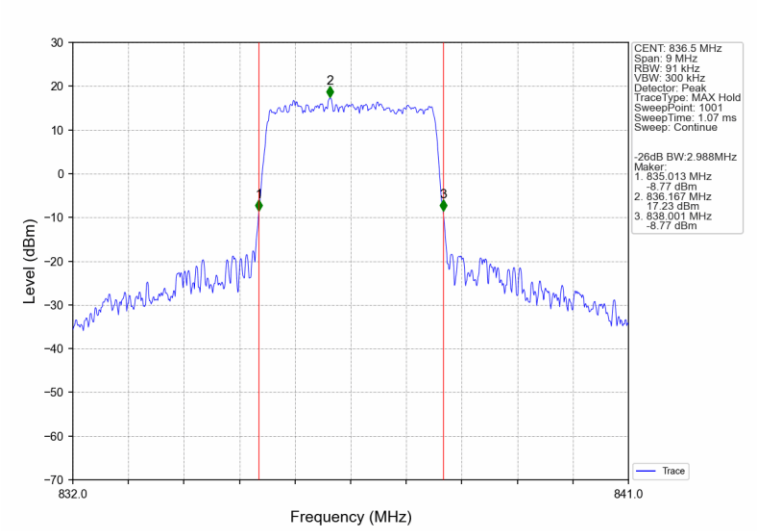
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



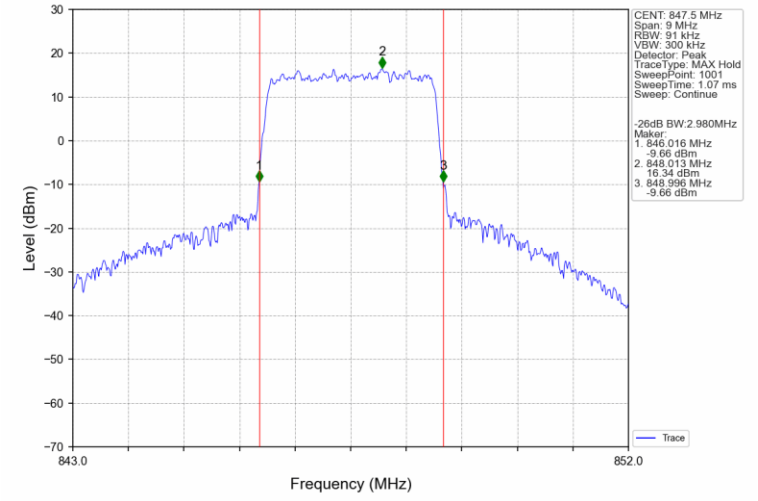
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



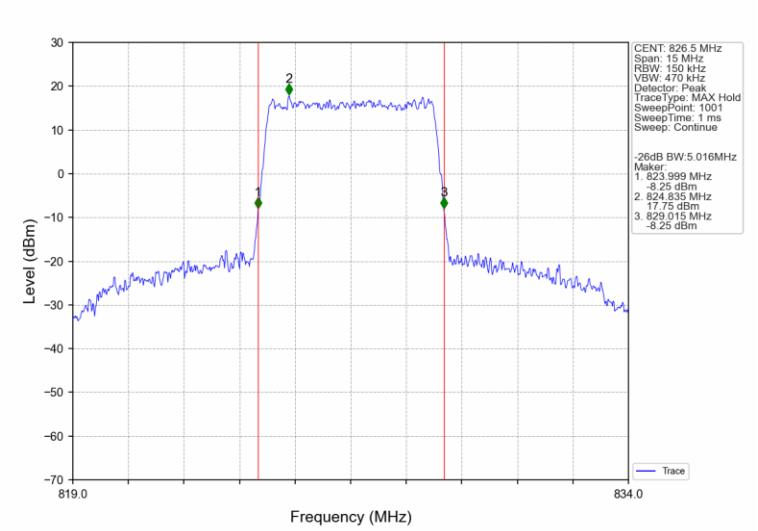
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



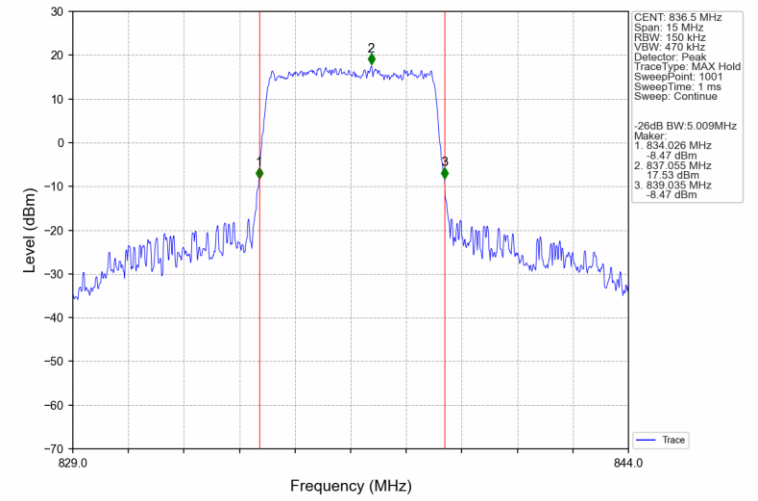
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



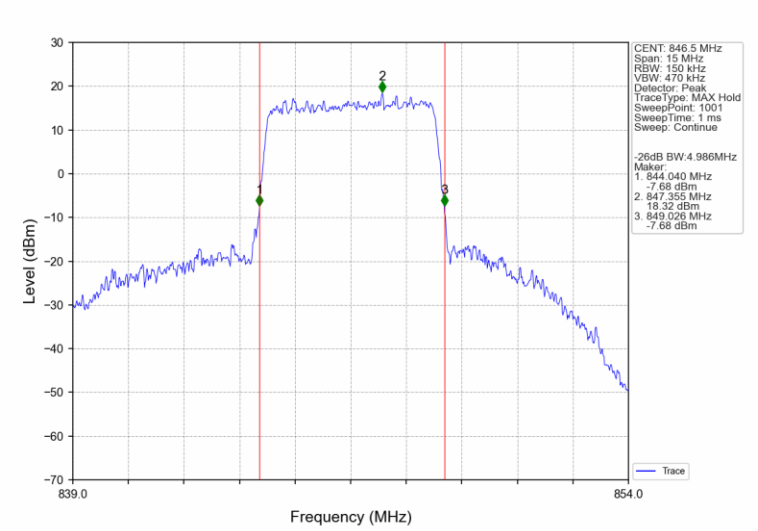
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



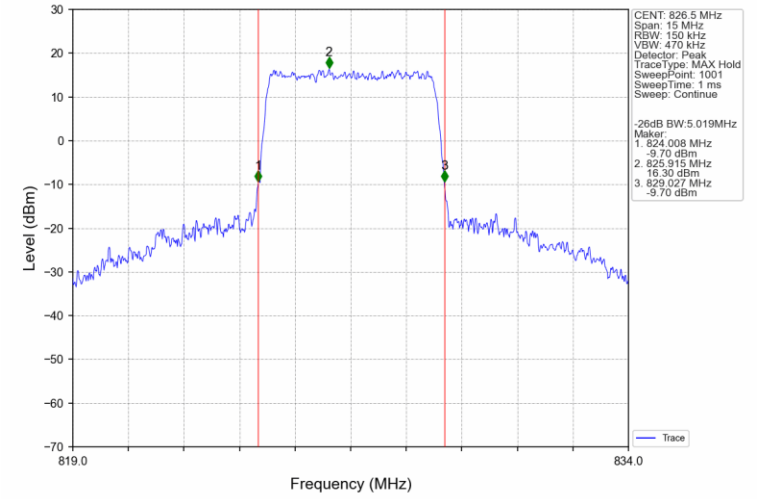
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



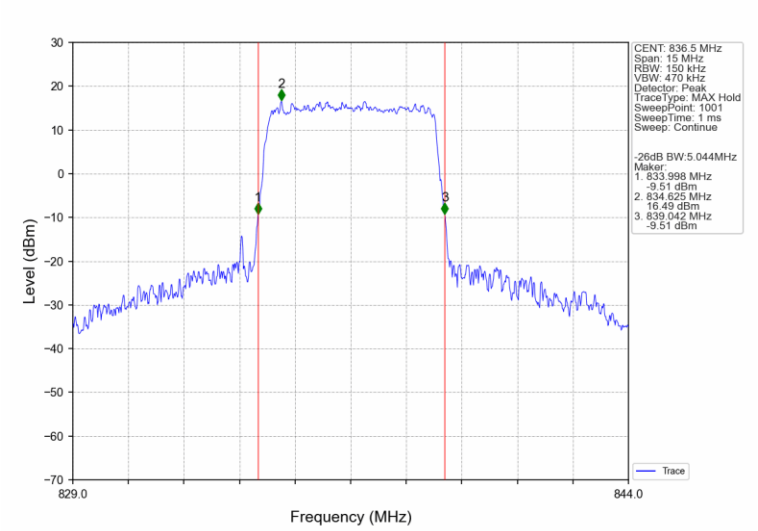
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



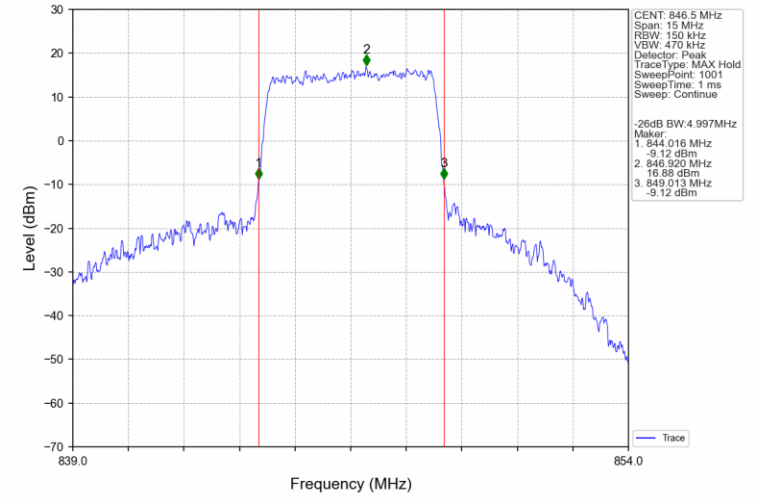
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



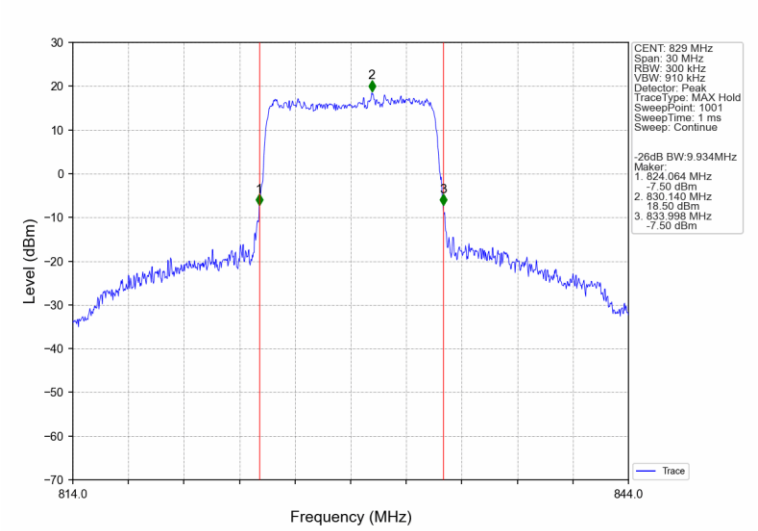
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



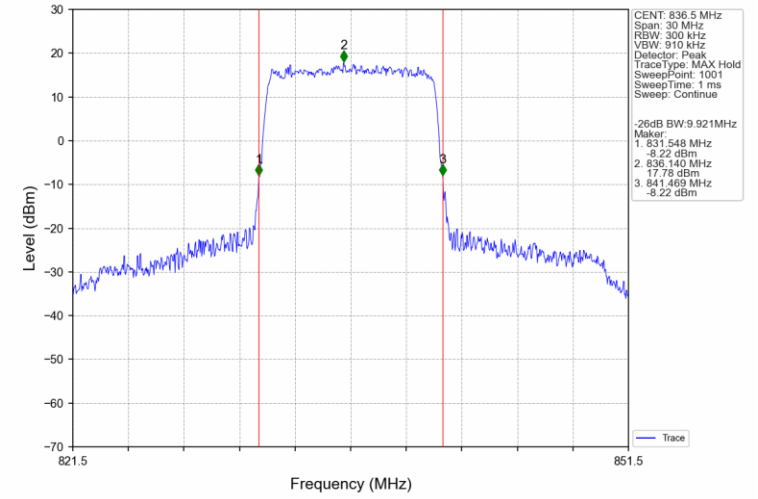
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



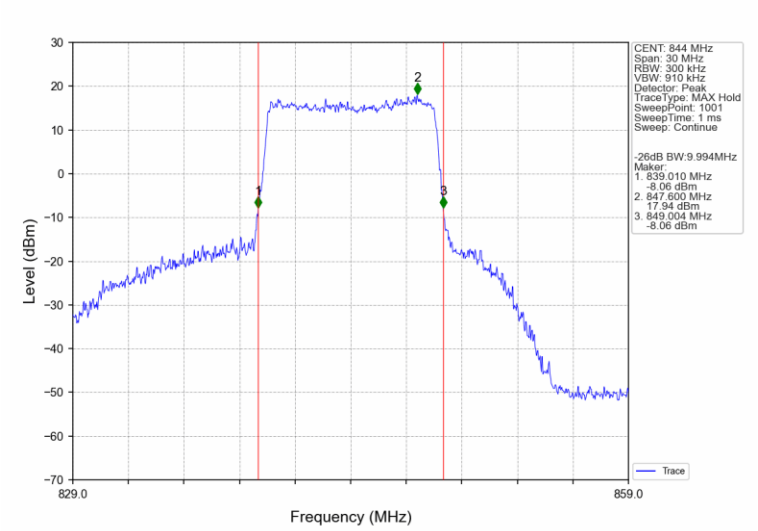
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



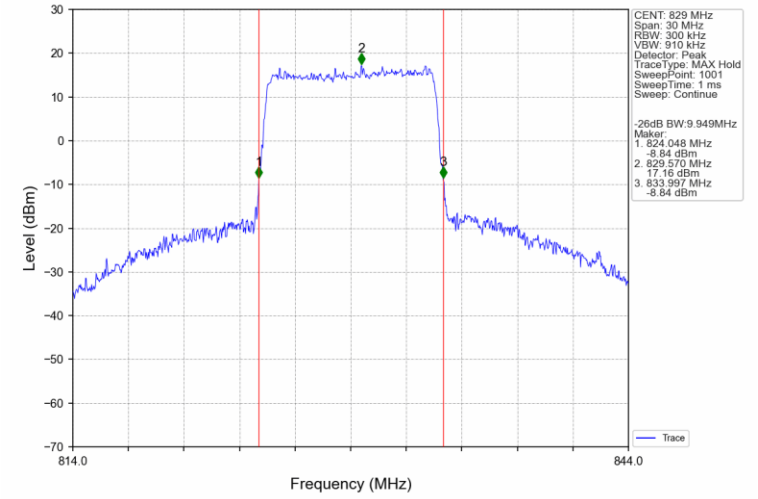
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



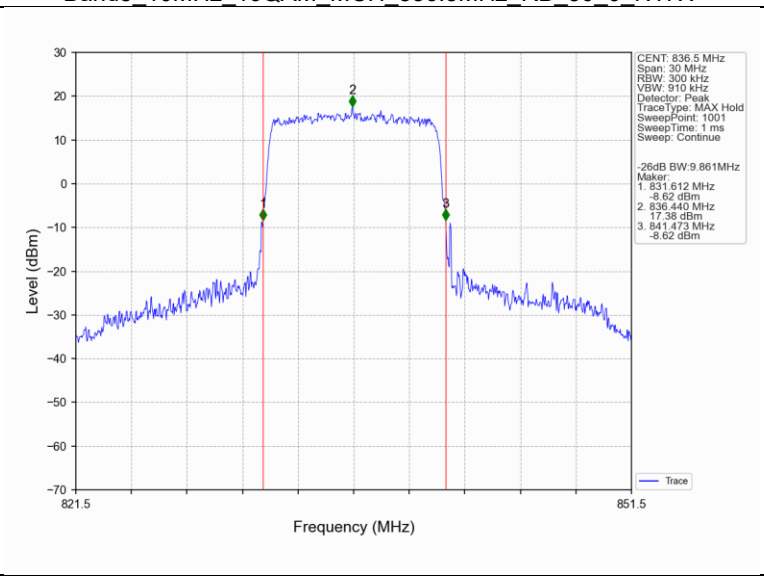
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



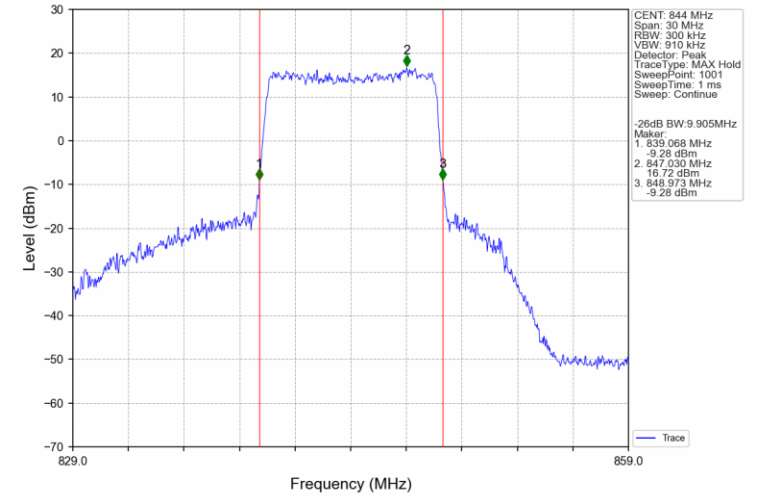
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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	5.17	<=13	Pass
	836.5	6	0	5.33	<=13	Pass
	848.3	6	0	5.08	<=13	Pass
16QAM	824.7	6	0	5.92	<=13	Pass
	836.5	6	0	6.10	<=13	Pass
	848.3	6	0	6.03	<=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	5.20	<=13	Pass
	836.5	15	0	5.47	<=13	Pass
	847.5	15	0	5.29	<=13	Pass
16QAM	825.5	15	0	6.13	<=13	Pass
	836.5	15	0	6.28	<=13	Pass
	847.5	15	0	6.09	<=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	5.53	<=13	Pass
	836.5	25	0	5.60	<=13	Pass
	846.5	25	0	5.42	<=13	Pass
16QAM	826.5	25	0	6.20	<=13	Pass
	836.5	25	0	6.32	<=13	Pass
	846.5	25	0	6.10	<=13	Pass

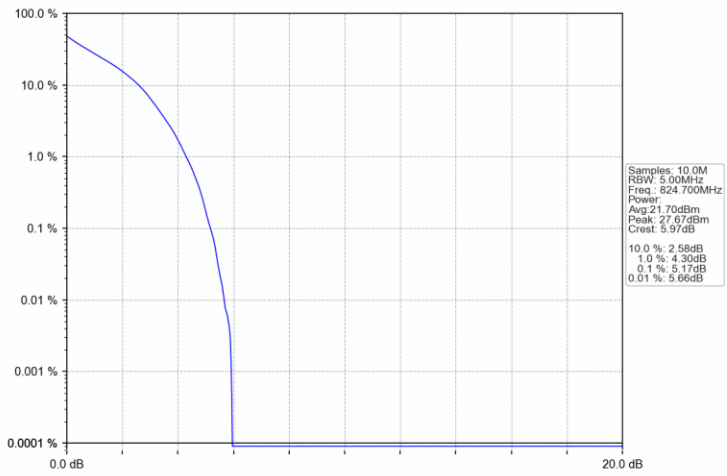
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.53	<=13	Pass
	836.5	50	0	5.48	<=13	Pass
	844	50	0	5.61	<=13	Pass
16QAM	829	50	0	6.26	<=13	Pass
	836.5	50	0	6.28	<=13	Pass
	844	50	0	6.24	<=13	Pass

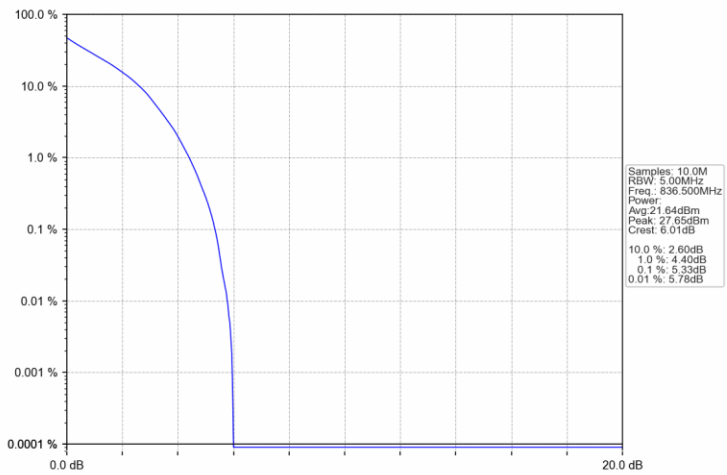
5.2 Test Graph

5.2.1 B5_1.4MHz

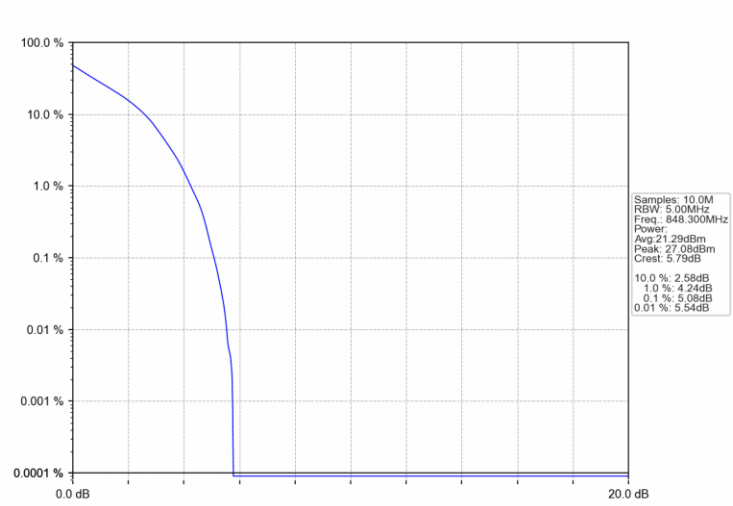
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



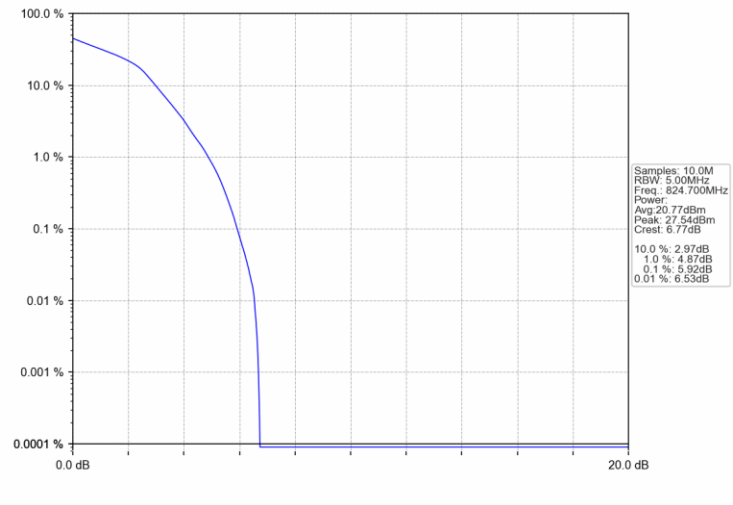
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



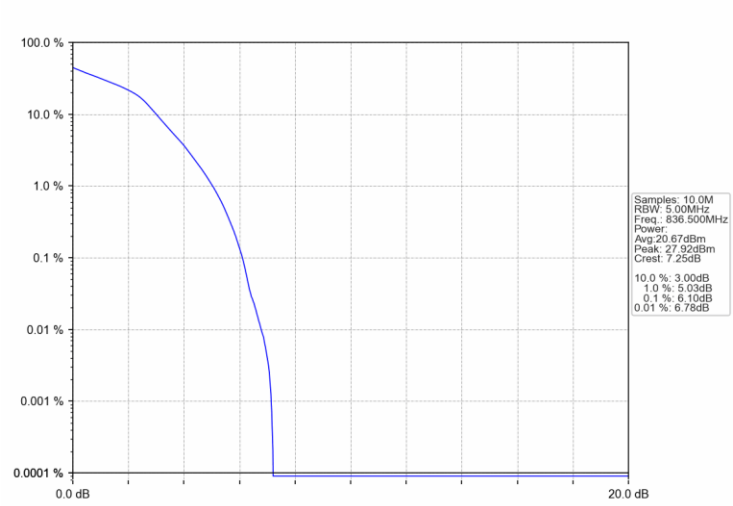
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



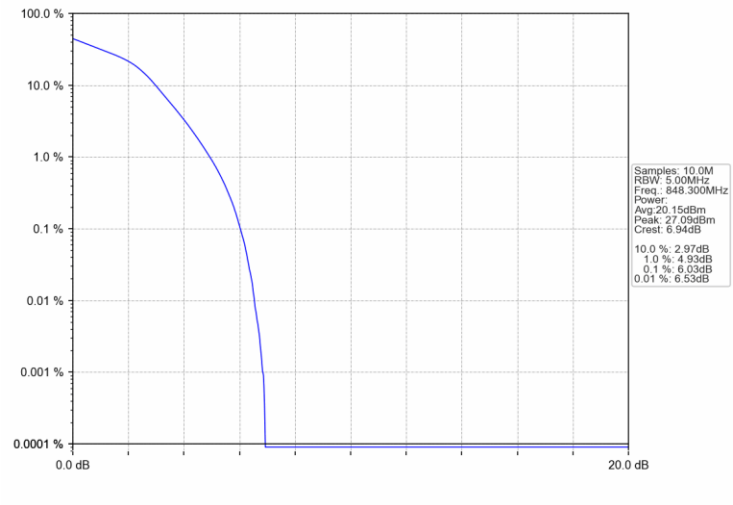
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

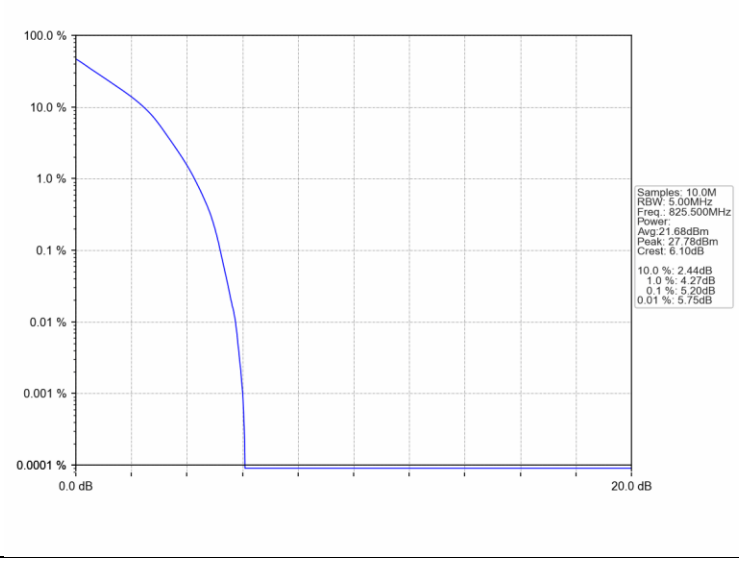


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

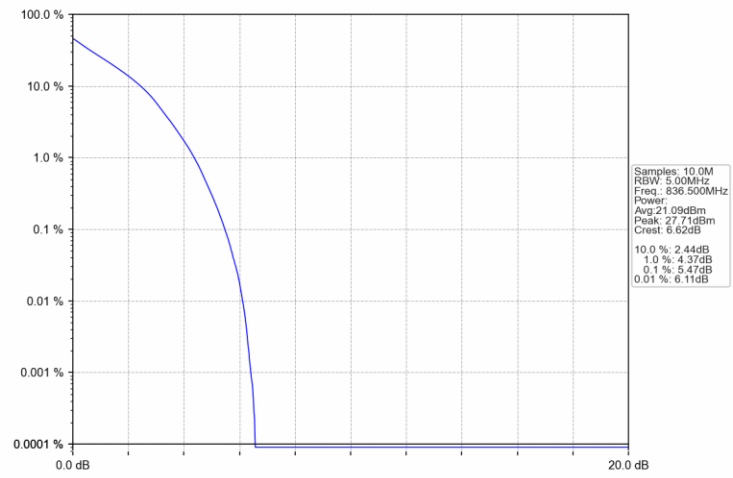


5.2.2 B5_3MHz

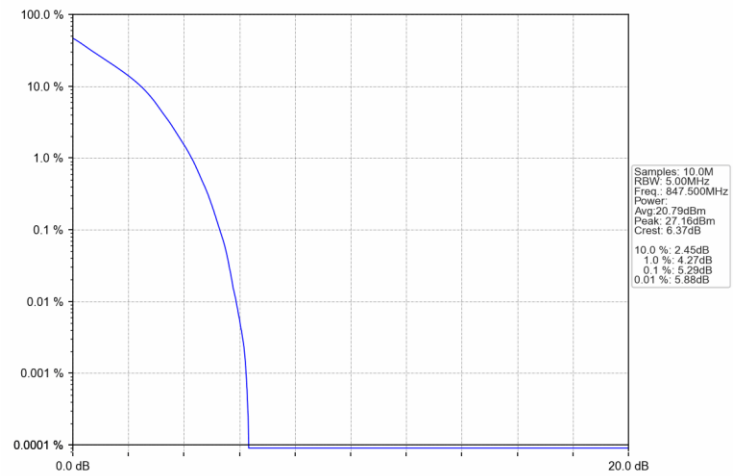
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



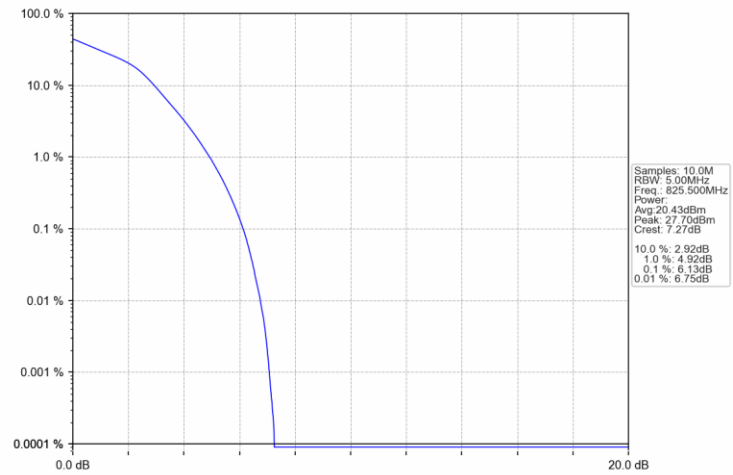
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



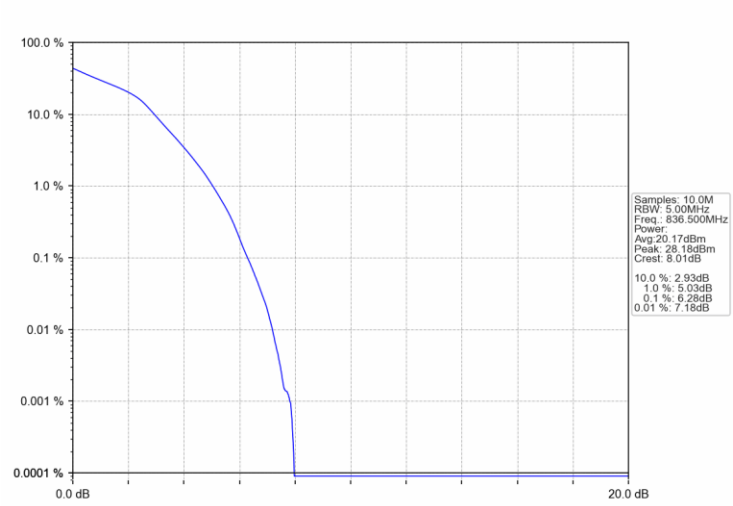
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



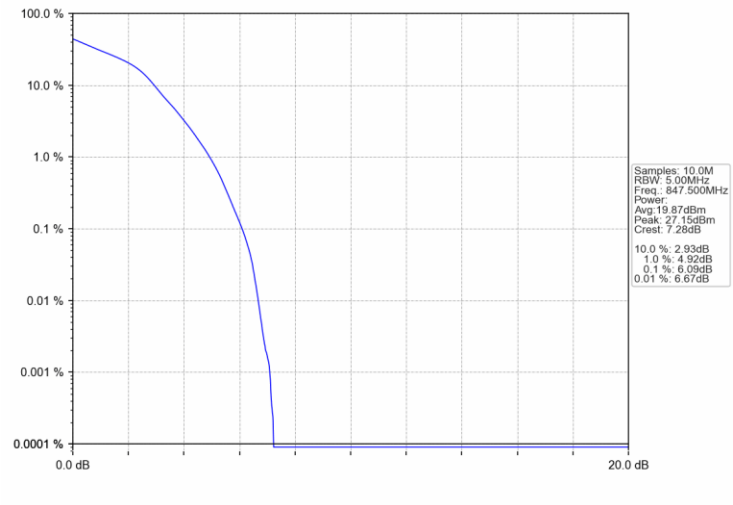
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



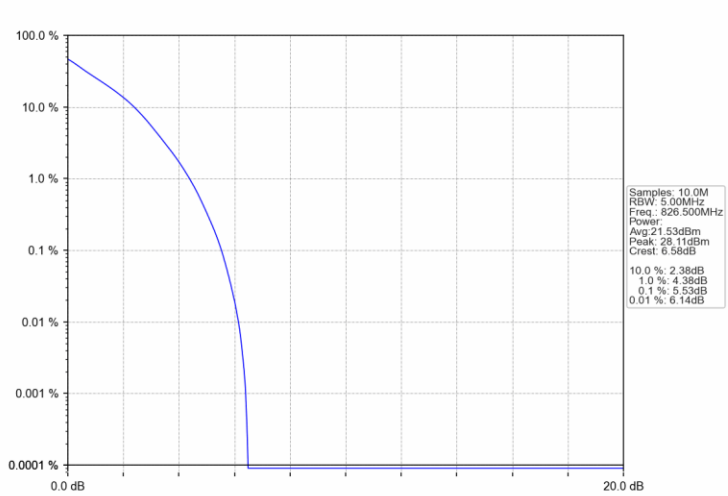
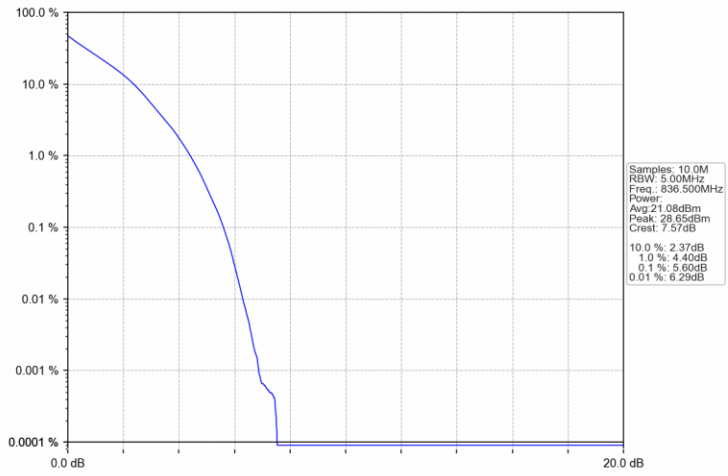
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



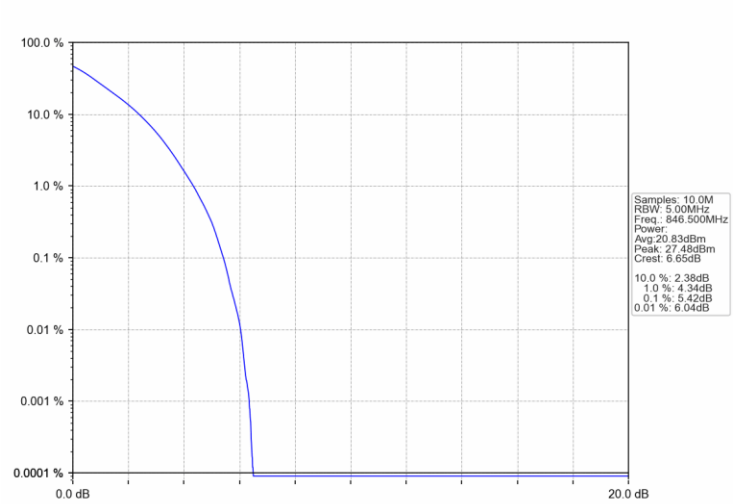
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



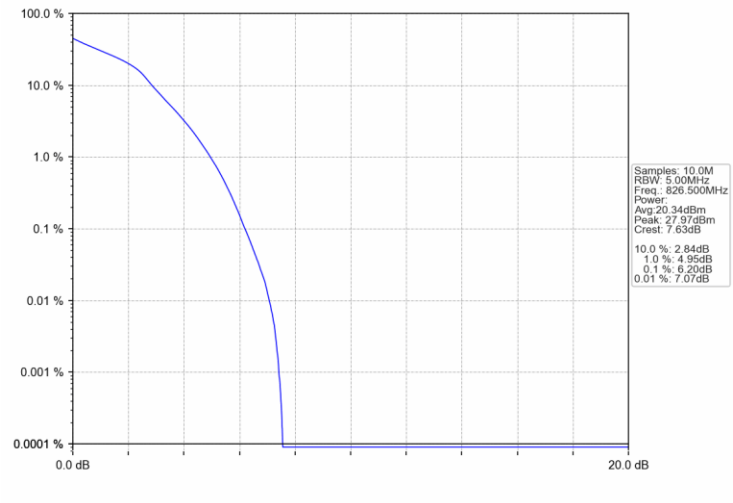
5.2.3 B5_5MHz

Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV


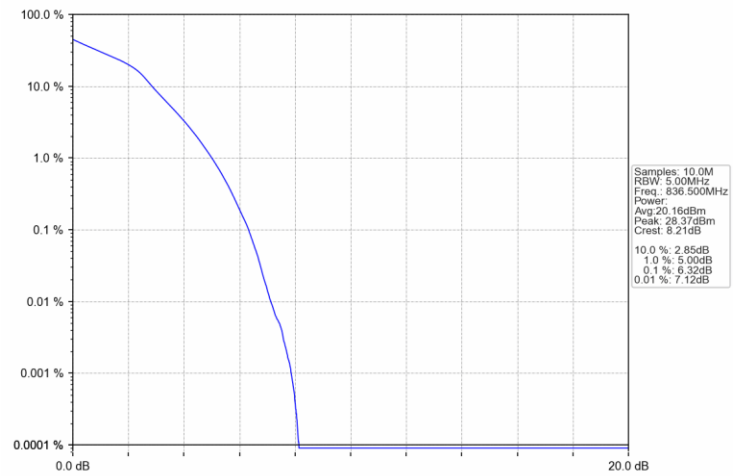
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



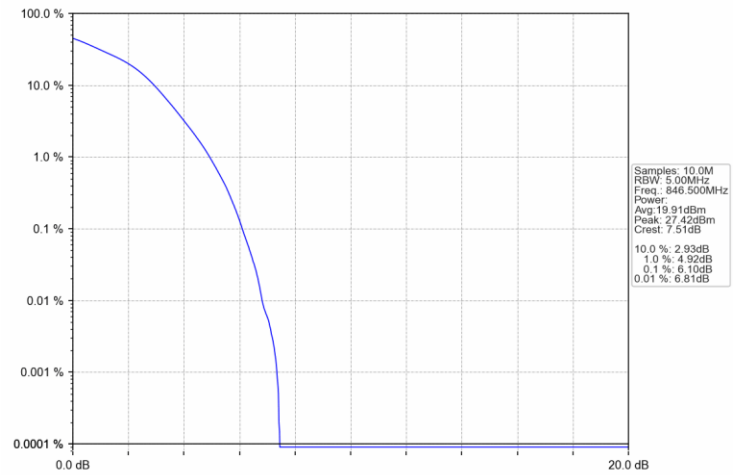
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



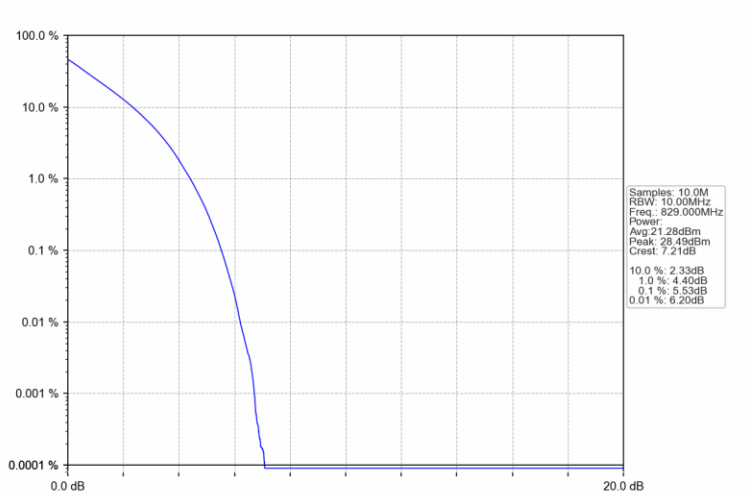
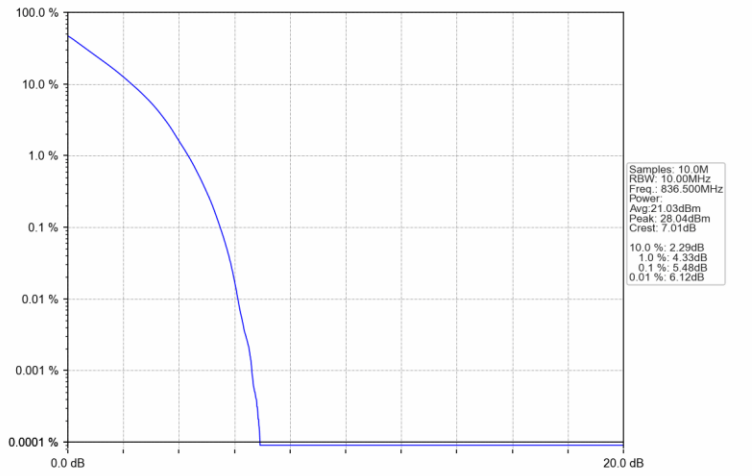
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



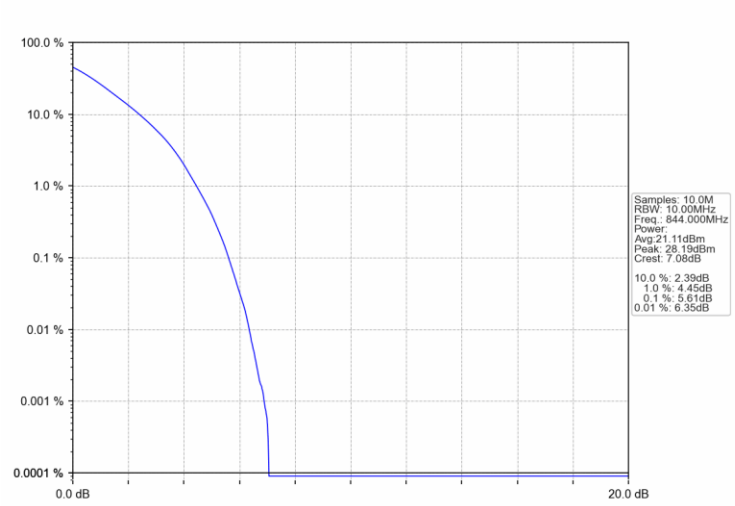
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



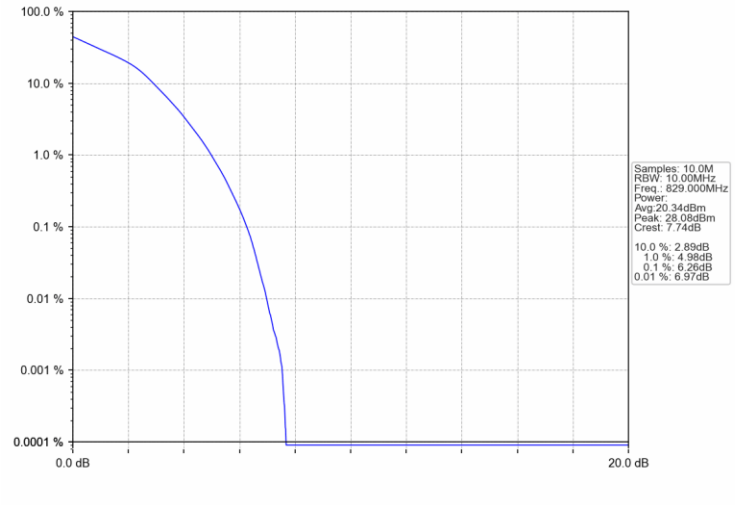
5.2.4 B5_10MHz

Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV


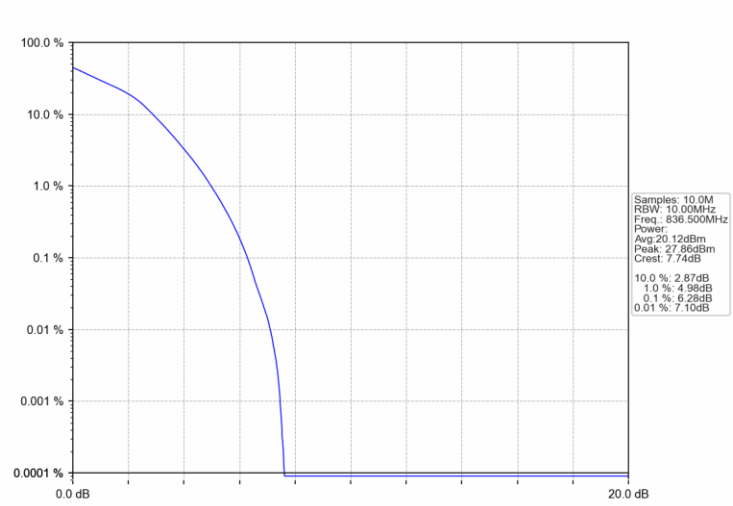
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



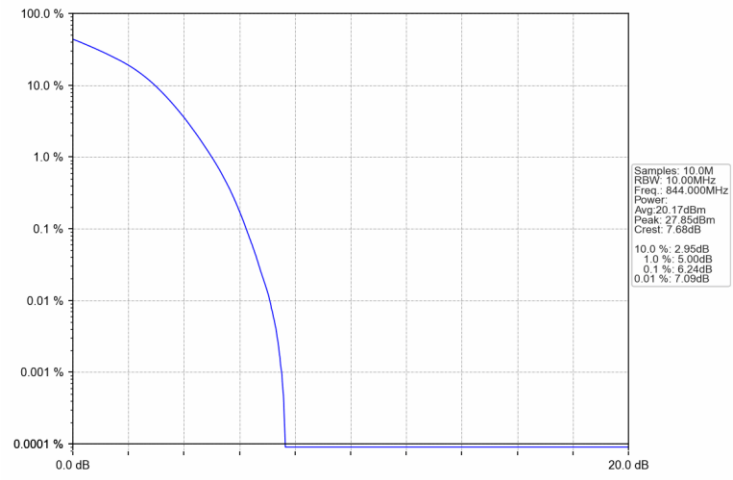
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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

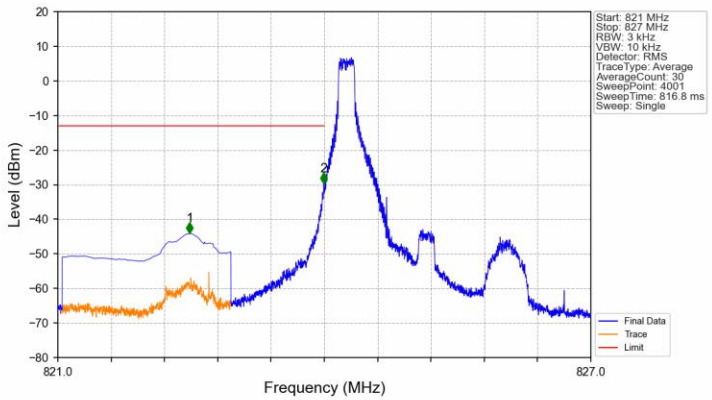
6.1.4 B5_10MHz

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

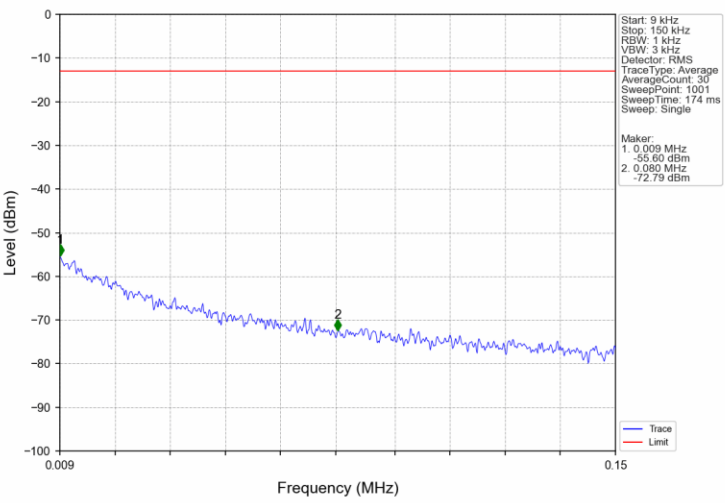
6.2.1 B5_1.4MHz

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV

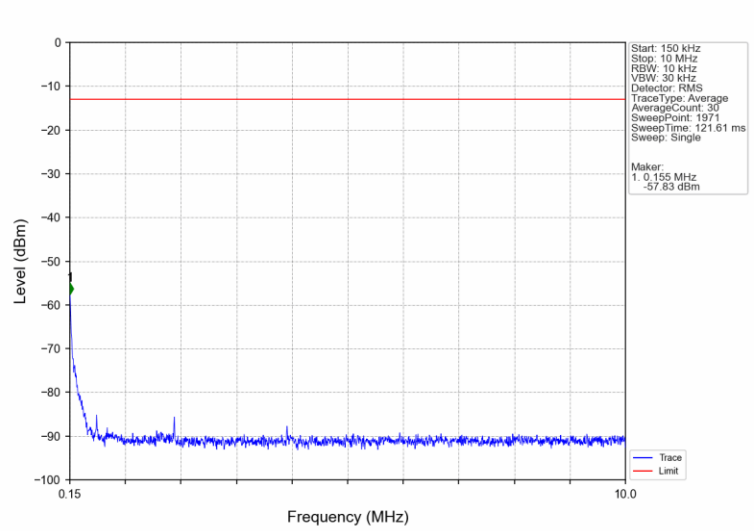


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.485	-44.11	-13	Pass
823	824	0.003	/	2	823.994	-29.75	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV