Appendix Test Data for LTE_band_26a

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	814.7	1	0	23.70	1.07	22.62	<=50	Pass
			2	23.74	1.07	22.66	<=50	Pass
			5	23.70	1.07	22.62	<=50	Pass
		3	0	23.87	1.07	22.79	<=50	Pass
			2	23.90	1.07	22.82	<=50	Pass
			3	23.86	1.07	22.78	<=50	Pass
		6	0	22.82	1.07	21.74	<=50	Pass
	819	1	0	23.84	1.07	22.76	<=50	Pass
			2	23.86	1.07	22.78	<=50	Pass
			5	23.80	1.07	22.72	<=50	Pass
		3	0	23.81	1.07	22.73	<=50	Pass
			2	23.83	1.07	22.75	<=50	Pass
			3	23.83	1.07	22.75	<=50	Pass
		6	0	22.80	1.07	21.72	<=50	Pass
	823.3	1	0	23.39	1.07	22.31	<=50	Pass
			2	23.31	1.07	22.23	<=50	Pass
			5	23.30	1.07	22.22	<=50	Pass
		3	0	23.80	1.07	22.72	<=50	Pass
			2	23.81	1.07	22.73	<=50	Pass
			3	23.80	1.07	22.72	<=50	Pass
		6	0	22.79	1.07	21.71	<=50	Pass
16QAM	814.7	1	0	22.91	1.07	21.83	<=50	Pass
			2	22.95	1.07	21.87	<=50	Pass
			5	22.93	1.07	21.85	<=50	Pass
		3	0	22.96	1.07	21.88	<=50	Pass
			2	22.94	1.07	21.86	<=50	Pass
			3	22.94	1.07	21.86	<=50	Pass
		6	0	21.80	1.07	20.72	<=50	Pass
	819	1	0	22.55	1.07	21.47	<=50	Pass
			2	22.62	1.07	21.54	<=50	Pass
			5	22.55	1.07	21.47	<=50	Pass
		3	0	22.80	1.07	21.72	<=50	Pass
			2	22.78	1.07	21.70	<=50	Pass
			3	22.78	1.07	21.70	<=50	Pass
		6	0	21.87	1.07	20.79	<=50	Pass
	823.3	1	0	22.65	1.07	21.57	<=50	Pass
			2	22.65	1.07	21.57	<=50	Pass
			5	22.65	1.07	21.57	<=50	Pass
		3	0	22.95	1.07	21.87	<=50	Pass
			2	22.91	1.07	21.83	<=50	Pass
			3	22.92	1.07	21.84	<=50	Pass
		6	0	21.80	1.07	20.72	<=50	Pass

1.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	815.5	1	0	23.73	1.07	22.65	<=50	Pass
			7	23.76	1.07	22.68	<=50	Pass
			14	23.73	1.07	22.65	<=50	Pass
		8	0	22.78	1.07	21.70	<=50	Pass
			4	22.80	1.07	21.72	<=50	Pass
			7	22.75	1.07	21.67	<=50	Pass
		15	0	22.78	1.07	21.70	<=50	Pass
	819	1	0	23.50	1.07	22.42	<=50	Pass
			7	23.47	1.07	22.39	<=50	Pass
			14	23.47	1.07	22.39	<=50	Pass
		8	0	22.82	1.07	21.74	<=50	Pass
			4	22.80	1.07	21.72	<=50	Pass
			7	22.83	1.07	21.75	<=50	Pass
		15	0	22.82	1.07	21.74	<=50	Pass
	822.5	1	0	23.32	1.07	22.24	<=50	Pass
			7	23.30	1.07	22.22	<=50	Pass
			14	23.22	1.07	22.14	<=50	Pass
		8	0	22.82	1.07	21.74	<=50	Pass
			4	22.81	1.07	21.73	<=50	Pass
			7	22.80	1.07	21.72	<=50	Pass
		15	0	22.82	1.07	21.74	<=50	Pass
16QAM	815.5	1	0	22.87	1.07	21.79	<=50	Pass
			7	22.70	1.07	21.62	<=50	Pass
			14	22.65	1.07	21.57	<=50	Pass
		8	0	21.83	1.07	20.75	<=50	Pass
			4	21.80	1.07	20.72	<=50	Pass
			7	21.80	1.07	20.72	<=50	Pass
		15	0	21.83	1.07	20.75	<=50	Pass
	819	1	0	22.40	1.07	21.32	<=50	Pass
			7	22.44	1.07	21.36	<=50	Pass
			14	22.42	1.07	21.34	<=50	Pass
		8	0	21.99	1.07	20.91	<=50	Pass
			4	21.98	1.07	20.90	<=50	Pass
			7	21.99	1.07	20.91	<=50	Pass
		15	0	21.87	1.07	20.79	<=50	Pass
	822.5	1	0	22.48	1.07	21.40	<=50	Pass
			7	22.51	1.07	21.43	<=50	Pass
			14	22.46	1.07	21.38	<=50	Pass
		8	0	22.00	1.07	20.92	<=50	Pass
			4	22.03	1.07	20.95	<=50	Pass
			7	22.04	1.07	20.96	<=50	Pass
		15	0	21.85	1.07	20.77	<=50	Pass

1.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	816.5	1	0	23.84	1.07	22.76	<=50	Pass
			13	23.80	1.07	22.72	<=50	Pass
			24	23.88	1.07	22.80	<=50	Pass
		12	0	22.77	1.07	21.69	<=50	Pass
			6	22.78	1.07	21.70	<=50	Pass
			13	22.82	1.07	21.74	<=50	Pass
		25	0	22.82	1.07	21.74	<=50	Pass
	819	1	0	23.36	1.07	22.28	<=50	Pass
			13	23.36	1.07	22.28	<=50	Pass
			24	23.38	1.07	22.30	<=50	Pass
		12	0	22.81	1.07	21.73	<=50	Pass
			6	22.82	1.07	21.74	<=50	Pass
			13	22.78	1.07	21.70	<=50	Pass
		25	0	22.82	1.07	21.74	<=50	Pass
	821.5	1	0	23.41	1.07	22.33	<=50	Pass
			13	23.40	1.07	22.32	<=50	Pass
			24	23.44	1.07	22.36	<=50	Pass
		12	0	22.77	1.07	21.69	<=50	Pass
			6	22.77	1.07	21.69	<=50	Pass
			13	22.81	1.07	21.73	<=50	Pass
		25	0	22.81	1.07	21.73	<=50	Pass
16QAM	816.5	1	0	22.83	1.07	21.75	<=50	Pass
			13	22.81	1.07	21.73	<=50	Pass
			24	22.69	1.07	21.61	<=50	Pass
		12	0	21.74	1.07	20.66	<=50	Pass
			6	21.73	1.07	20.65	<=50	Pass
			13	21.75	1.07	20.67	<=50	Pass
		25	0	21.85	1.07	20.77	<=50	Pass
	819	1	0	22.52	1.07	21.44	<=50	Pass
			13	22.51	1.07	21.43	<=50	Pass
			24	22.51	1.07	21.43	<=50	Pass
		12	0	21.74	1.07	20.66	<=50	Pass
			6	21.77	1.07	20.69	<=50	Pass
			13	21.78	1.07	20.70	<=50	Pass
		25	0	21.82	1.07	20.74	<=50	Pass
	821.5	1	0	22.53	1.07	21.45	<=50	Pass
			13	22.52	1.07	21.44	<=50	Pass
			24	22.58	1.07	21.50	<=50	Pass
		12	0	21.80	1.07	20.72	<=50	Pass
			6	21.85	1.07	20.77	<=50	Pass
			13	21.89	1.07	20.81	<=50	Pass
		25	0	21.82	1.07	20.74	<=50	Pass

1.1.4 B26a_10MHz

		Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	819	1	0	23.91	1.07	22.83	<=50	Pass
			25	23.89	1.07	22.81	<=50	Pass
			49	23.95	1.07	22.87	<=50	Pass
		25	0	22.83	1.07	21.75	<=50	Pass
			13	22.83	1.07	21.75	<=50	Pass
			25	22.91	1.07	21.83	<=50	Pass
		50	0	22.92	1.07	21.84	<=50	Pass
16QAM	819	1	0	23.32	1.07	22.24	<=50	Pass
			25	23.40	1.07	22.32	<=50	Pass
			49	23.34	1.07	22.26	<=50	Pass
		25	0	21.86	1.07	20.78	<=50	Pass
			13	21.90	1.07	20.82	<=50	Pass
			25	22.00	1.07	20.92	<=50	Pass
		50	0	21.88	1.07	20.80	<=50	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B26a_1.4MHz

Band: 26a / 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	814.7	6	0	20	3.27	2.632	0.0032	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
					4.43	2.360	0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-2.131	-0.0026	-2.5 to 2.5	Pass
				0	3.85	4.578	0.0056	-2.5 to 2.5	Pass
				10	3.85	0.887	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0008	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0022	-2.5 to 2.5	Pass
				50	3.85	2.003	0.0025	-2.5 to 2.5	Pass
	819	6	0	20	3.27	-1.674	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.632	0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				10	3.85	2.818	0.0034	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				50	3.85	0.873	0.0011	-2.5 to 2.5	Pass
	823.3	6	0	20	3.27	-2.046	-0.0025	-2.5 to 2.5	Pass
					3.85	2.646	0.0032	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0025	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.189	-0.0027	-2.5 to 2.5	Pass
16QAM	814.7	6	0	20	3.27	1.359	0.0017	-2.5 to 2.5	Pass
					3.85	4.778	0.0059	-2.5 to 2.5	Pass
					4.43	5.565	0.0068	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
	819	6	0	20	3.27	-1.831	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
					4.43	0.744	0.0009	-2.5 to 2.5	Pass
				-30	3.85	5.121	0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	3.219	0.0039	-2.5 to 2.5	Pass

				0	3.85	4.191	0.0051	-2.5 to 2.5	Pass
				10	3.85	-2.604	-0.0032	-2.5 to 2.5	Pass
				30	3.85	2.003	0.0024	-2.5 to 2.5	Pass
				40	3.85	5.879	0.0072	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
	823.3	6	0	20	3.27	3.562	0.0043	-2.5 to 2.5	Pass
					3.85	8.011	0.0097	-2.5 to 2.5	Pass
					4.43	4.935	0.0060	-2.5 to 2.5	Pass
				-30	3.85	-4.306	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	3.262	0.0040	-2.5 to 2.5	Pass
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.761	0.0034	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				50	3.85	3.061	0.0037	-2.5 to 2.5	Pass

2.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0064	-2.5 to 2.5	Pass
					4.43	0.343	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.760	0.0022	-2.5 to 2.5	Pass
				30	3.85	7.195	0.0088	-2.5 to 2.5	Pass
				40	3.85	5.064	0.0062	-2.5 to 2.5	Pass
				50	3.85	-1.202	-0.0015	-2.5 to 2.5	Pass
	819	15	0	20	3.27	5.350	0.0065	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0039	-2.5 to 2.5	Pass
					4.43	2.003	0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.189	0.0027	-2.5 to 2.5	Pass
				-10	3.85	1.574	0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.731	-0.0021	-2.5 to 2.5	Pass
				10	3.85	0.615	0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				40	3.85	3.018	0.0037	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
	822.5	15	0	20	3.27	-0.558	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.346	-0.0029	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.431	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0012	-2.5 to 2.5	Pass
				50	3.85	-6.280	-0.0076	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	3.27	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	2.975	0.0036	-2.5 to 2.5	Pass
					4.43	0.858	0.0011	-2.5 to 2.5	Pass

				-30	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.489	0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.323	-0.0078	-2.5 to 2.5	Pass
				0	3.85	2.346	0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.631	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0003	-2.5 to 2.5	Pass
	819	15	0	20	3.27	0.916	0.0011	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.545	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0025	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.090	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0019	-2.5 to 2.5	Pass
				10	3.85	3.204	0.0039	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0044	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0017	-2.5 to 2.5	Pass
	822.5	15	0	20	3.27	0.558	0.0007	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	-4.864	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	1.345	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-3.090	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				30	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.358	0.0004	-2.5 to 2.5	Pass

2.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	3.27	-3.018	-0.0037	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0037	-2.5 to 2.5	Pass
				10	3.85	2.661	0.0033	-2.5 to 2.5	Pass
				30	3.85	-3.119	-0.0038	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.017	0.0025	-2.5 to 2.5	Pass
	819	25	0	20	3.27	-1.273	-0.0016	-2.5 to 2.5	Pass
					3.85	2.017	0.0025	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.791	0.0046	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.017	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-6.781	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-4.449	-0.0054	-2.5 to 2.5	Pass

	821.5	25	0	20	3.27	1.945	0.0024	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	4.091	0.0050	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	2.689	0.0033	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-3.691	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.245	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.402	0.0017	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	3.27	-3.834	-0.0047	-2.5 to 2.5	Pass
					3.85	0.372	0.0005	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	3.462	0.0042	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0049	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
	819	25	0	20	3.27	-1.688	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.119	-0.0038	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.264	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-2.818	-0.0034	-2.5 to 2.5	Pass
				0	3.85	3.848	0.0047	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.931	-0.0024	-2.5 to 2.5	Pass
				50	3.85	5.164	0.0063	-2.5 to 2.5	Pass
	821.5	25	0	20	3.27	1.130	0.0014	-2.5 to 2.5	Pass
					3.85	0.987	0.0012	-2.5 to 2.5	Pass
					4.43	-0.658	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.460	0.0030	-2.5 to 2.5	Pass
				-20	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				0	3.85	4.921	0.0060	-2.5 to 2.5	Pass
				10	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0020	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0041	-2.5 to 2.5	Pass

2.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.27	-0.787	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.544	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0003	-2.5 to 2.5	Pass

				30	3.85	0.615	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.618	0.0032	-2.5 to 2.5	Pass
				50	3.85	2.546	0.0031	-2.5 to 2.5	Pass
16QAM	819	50	0	20	3.27	0.916	0.0011	-2.5 to 2.5	Pass
					3.85	2.003	0.0024	-2.5 to 2.5	Pass
					4.43	0.901	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.245	0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.160	0.0026	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	6	0	Refer To Test Graph		Pass
16QAM	819	6	0	Refer To Test Graph		Pass

3.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	15	0	Refer To Test Graph		Pass
16QAM	819	15	0	Refer To Test Graph		Pass

3.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	25	0	Refer To Test Graph		Pass
16QAM	819	25	0	Refer To Test Graph		Pass

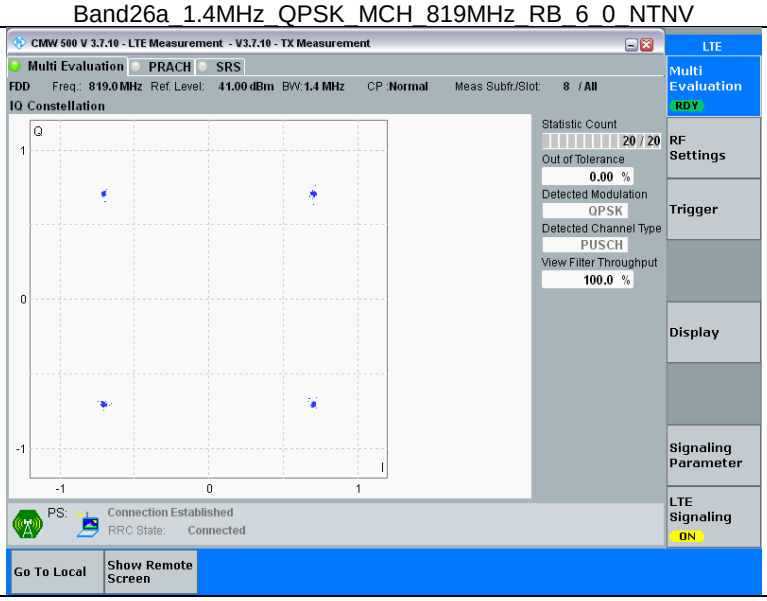
3.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	Refer To Test Graph		Pass
16QAM	819	50	0	Refer To Test Graph		Pass

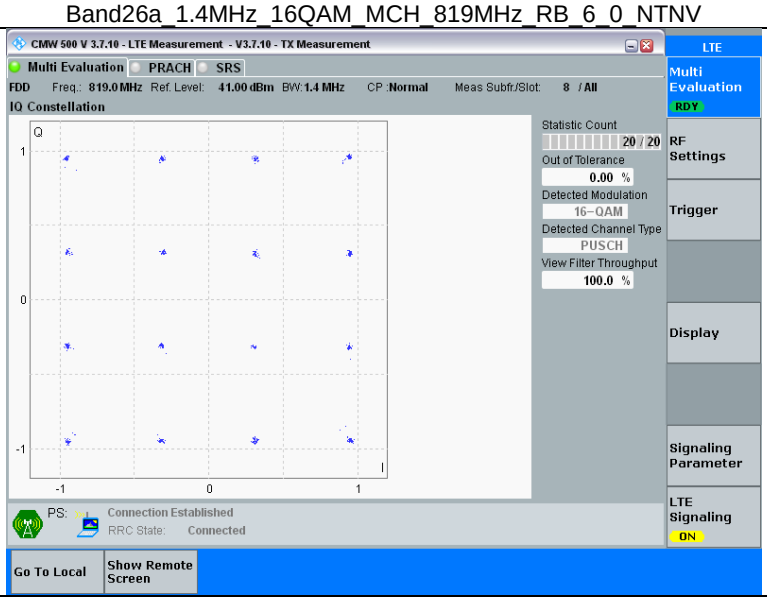
3.2 Test Graph

3.2.1 B26a_1.4MHz

Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV

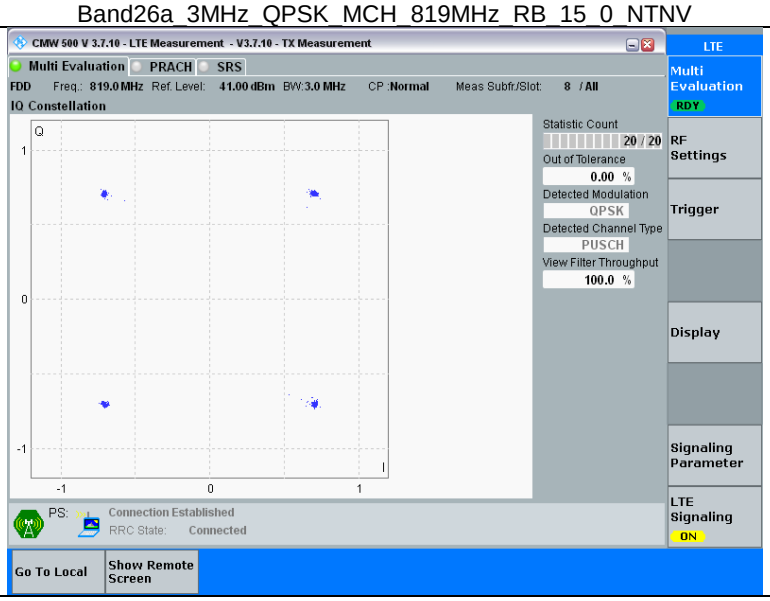


Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

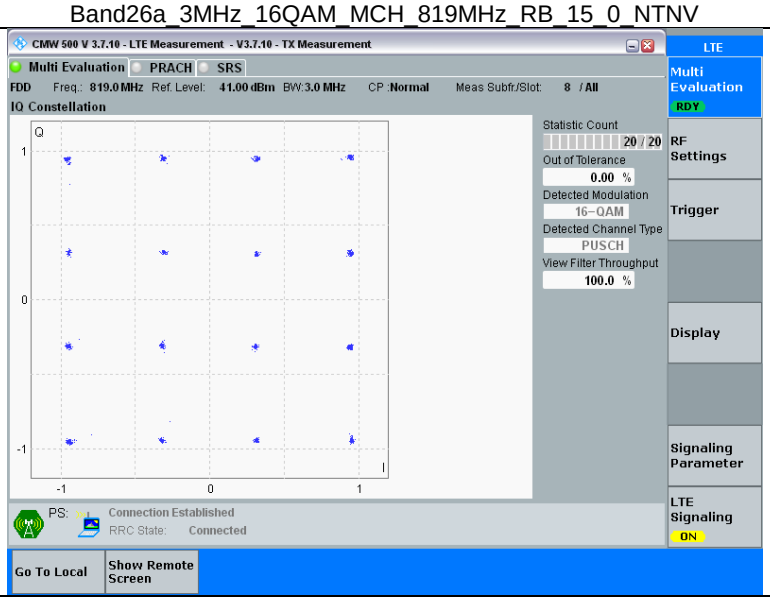


3.2.2 B26a_3MHz

Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV

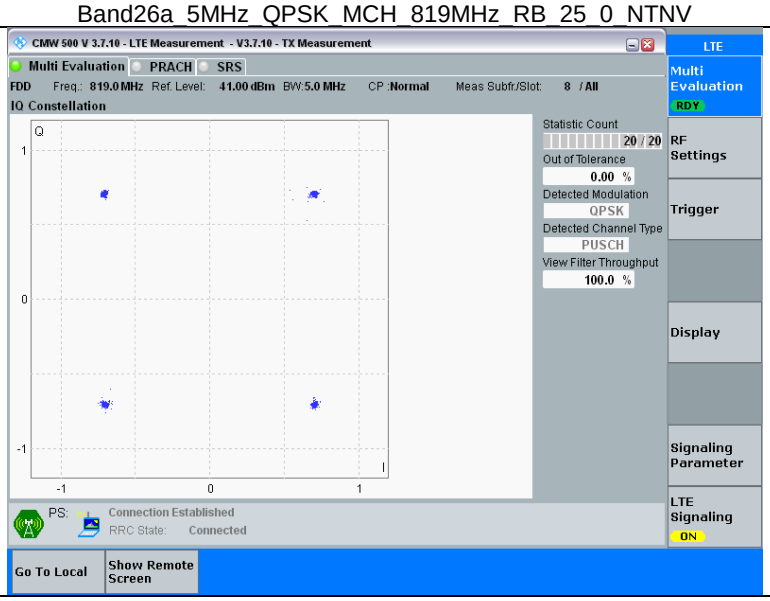


Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV

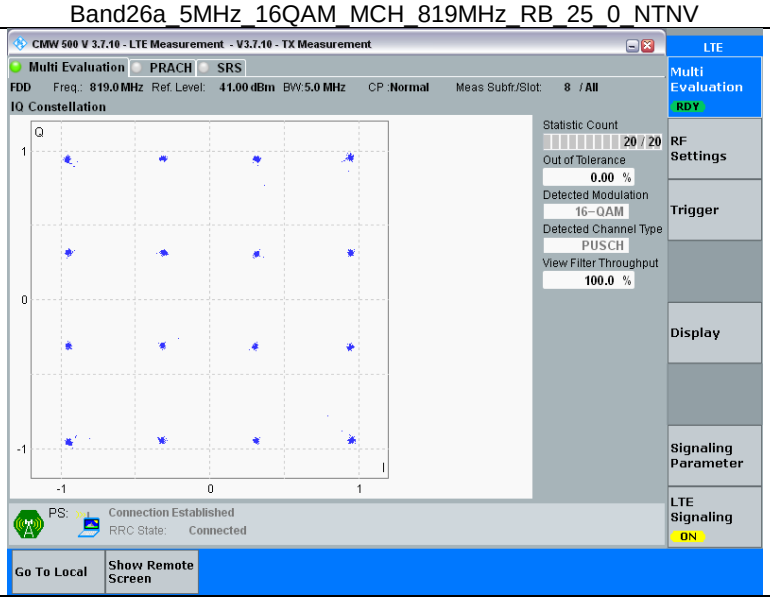


3.2.3 B26a_5MHz

Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

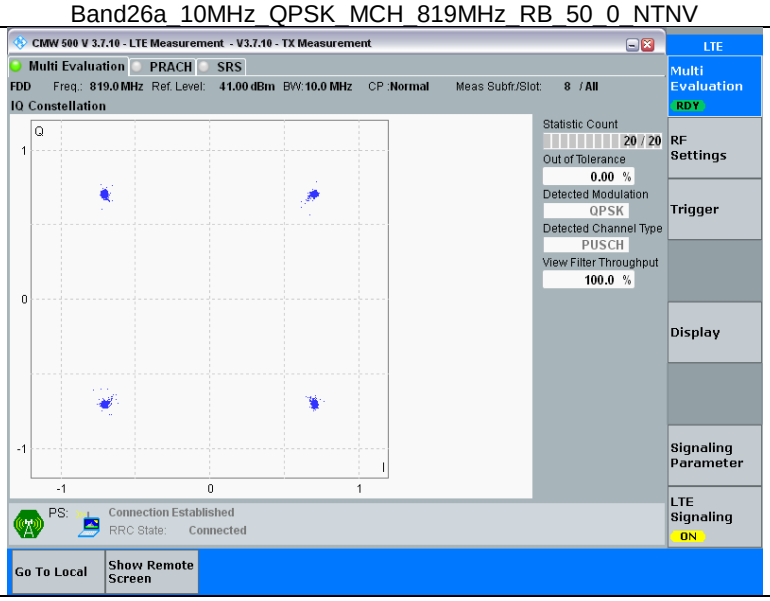


Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

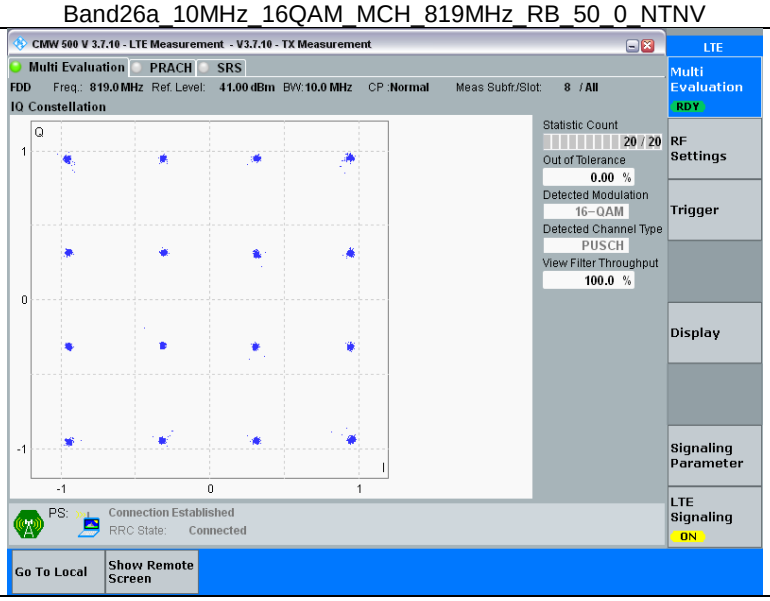


3.2.4 B26a_10MHz

Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band26a_OBW

Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.087	/	Pass
		819	6	0	1.084	/	Pass
		823.3	6	0	1.079	/	Pass
	16QAM	814.7	6	0	1.089	/	Pass
		819	6	0	1.081	/	Pass
		823.3	6	0	1.089	/	Pass
3	QPSK	815.5	15	0	2.684	/	Pass
		819	15	0	2.682	/	Pass
		822.5	15	0	2.683	/	Pass
	16QAM	815.5	15	0	2.680	/	Pass
		819	15	0	2.685	/	Pass
		822.5	15	0	2.675	/	Pass
5	QPSK	816.5	25	0	4.513	/	Pass
		819	25	0	4.513	/	Pass
		821.5	25	0	4.512	/	Pass
	16QAM	816.5	25	0	4.528	/	Pass
		819	25	0	4.519	/	Pass
		821.5	25	0	4.498	/	Pass
10	QPSK	819	50	0	8.963	/	Pass
	16QAM	819	50	0	8.952	/	Pass

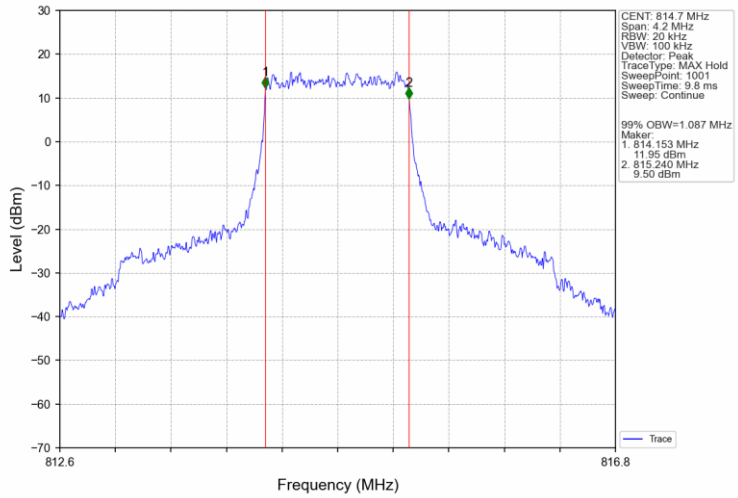
4.1.2 Band26a_XDB

Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.261	/	Pass
		819	6	0	1.276	/	Pass
		823.3	6	0	1.251	/	Pass
	16QAM	814.7	6	0	1.258	/	Pass
		819	6	0	1.232	/	Pass
		823.3	6	0	1.281	/	Pass
3	QPSK	815.5	15	0	2.903	/	Pass
		819	15	0	2.888	/	Pass
		822.5	15	0	2.900	/	Pass
	16QAM	815.5	15	0	2.880	/	Pass
		819	15	0	2.873	/	Pass
		822.5	15	0	2.899	/	Pass
5	QPSK	816.5	25	0	4.995	/	Pass
		819	25	0	4.969	/	Pass
		821.5	25	0	4.970	/	Pass
	16QAM	816.5	25	0	5.021	/	Pass
		819	25	0	4.950	/	Pass
		821.5	25	0	4.951	/	Pass
10	QPSK	819	50	0	9.604	/	Pass
	16QAM	819	50	0	9.502	/	Pass

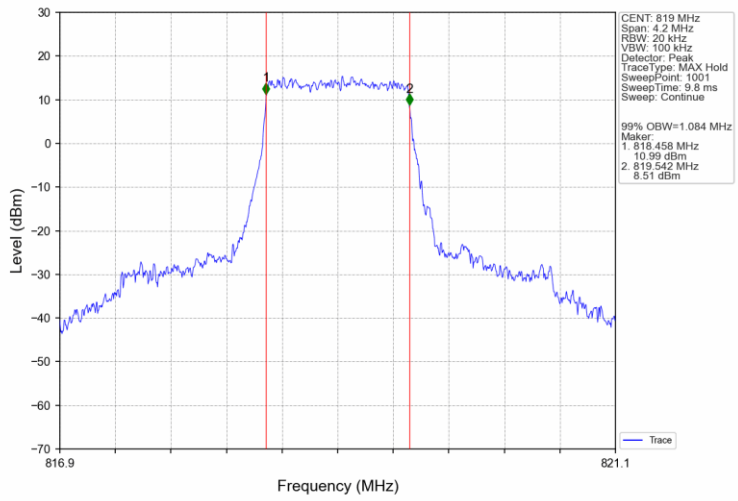
4.2 Test Graph

4.2.1 Band26a_OBW

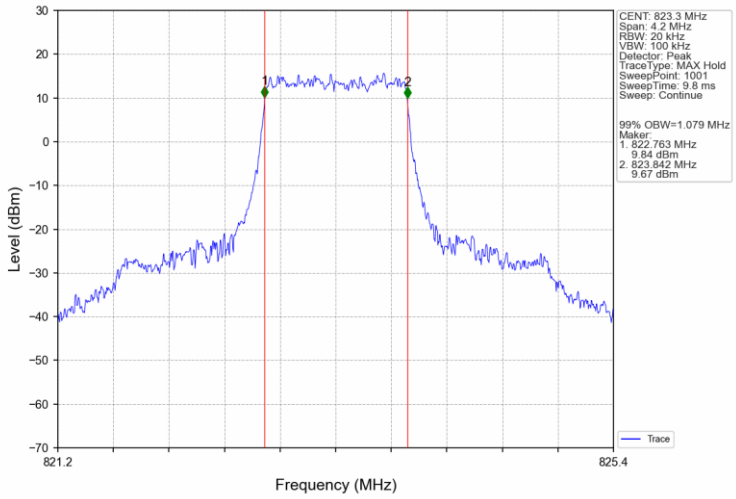
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



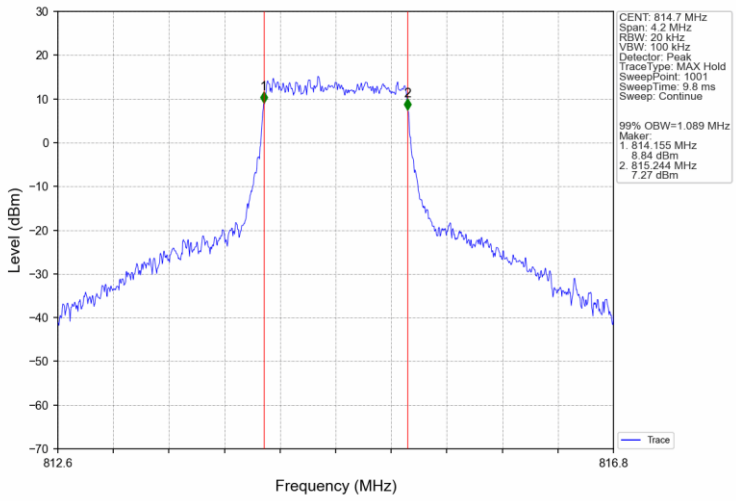
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



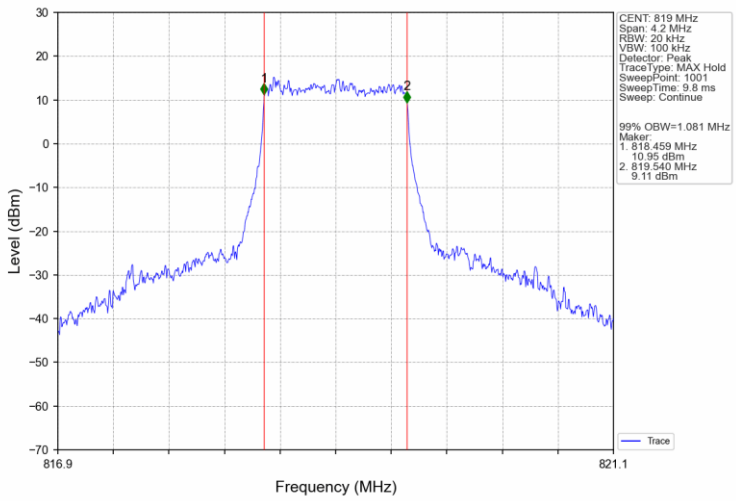
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



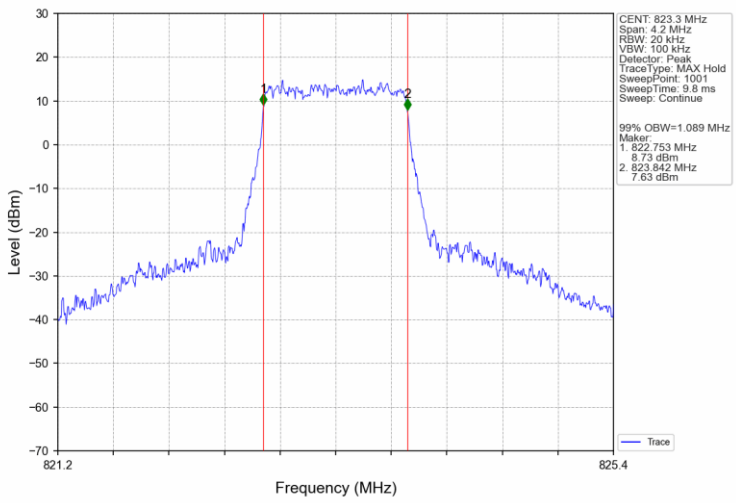
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



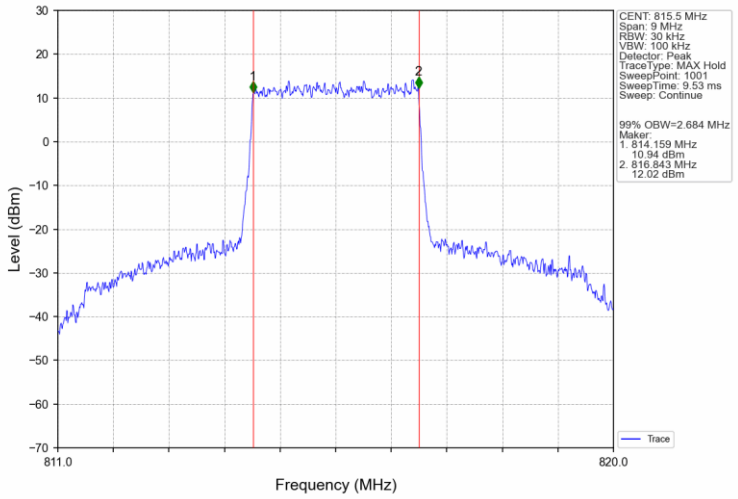
Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



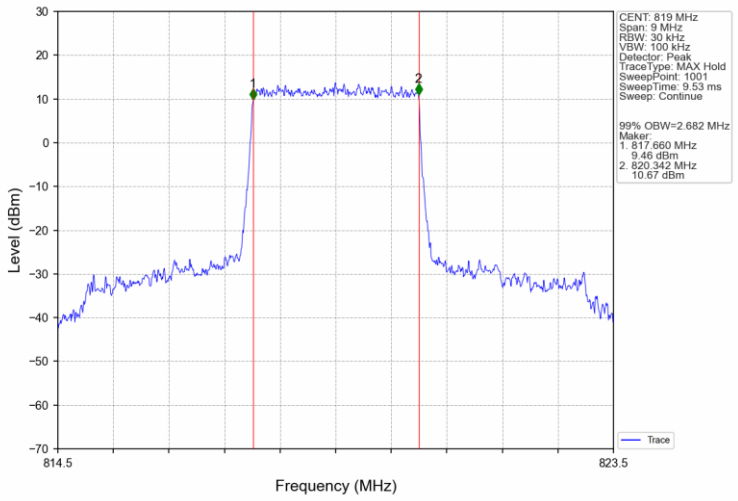
Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV



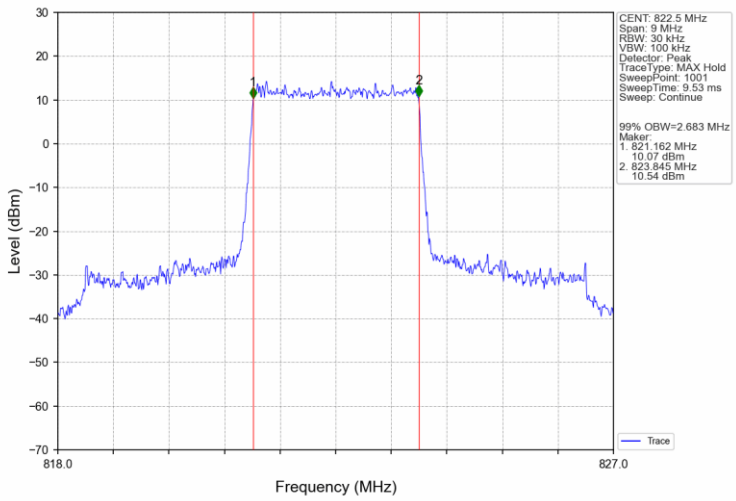
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



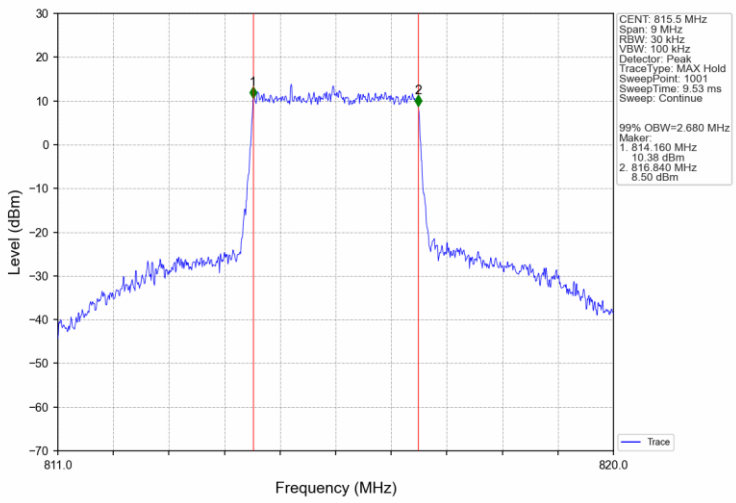
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



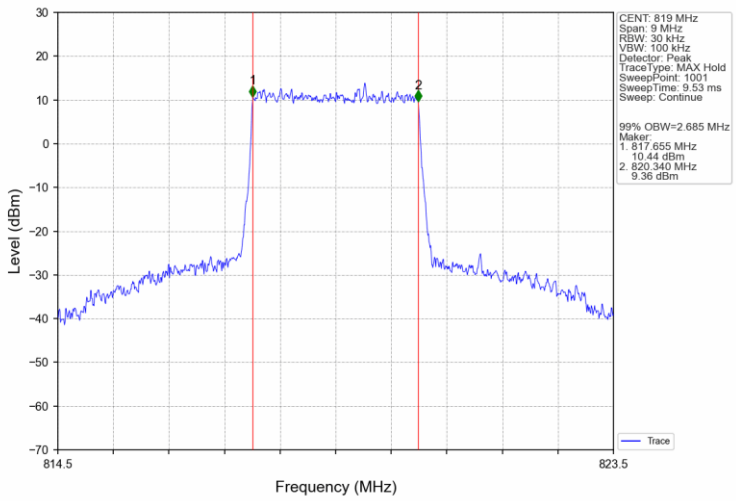
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



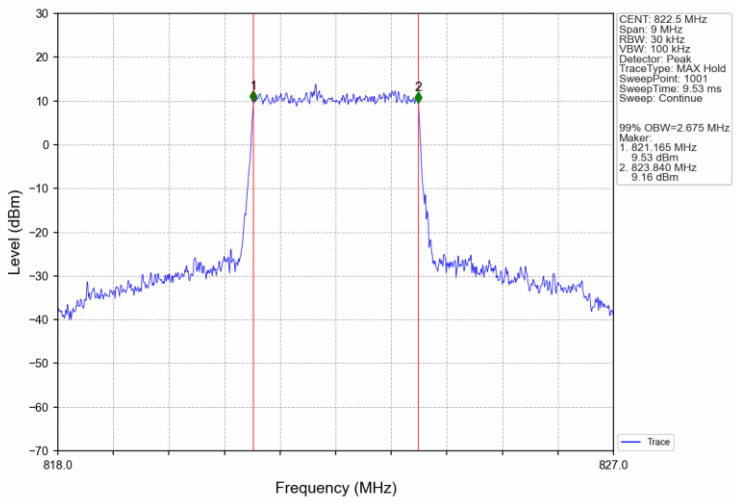
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



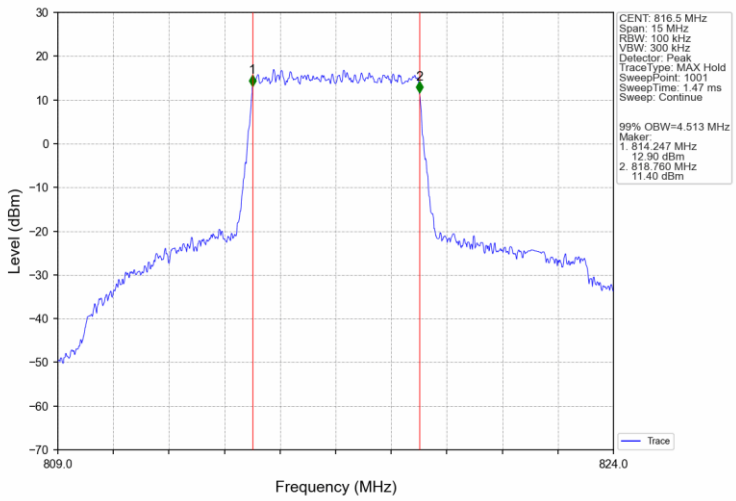
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



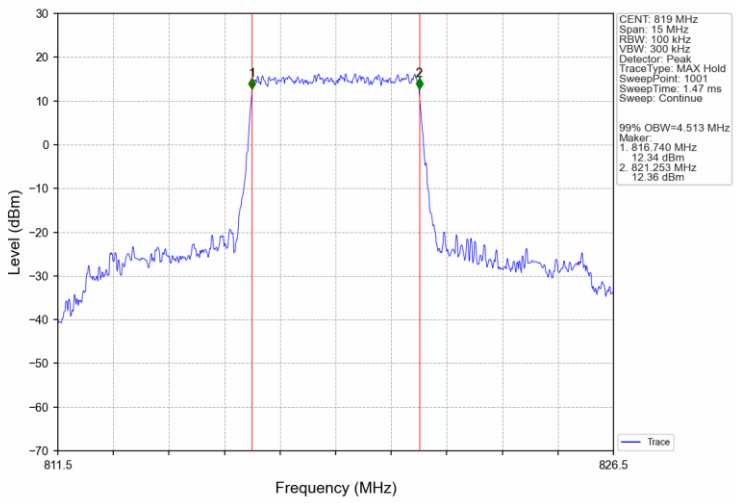
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



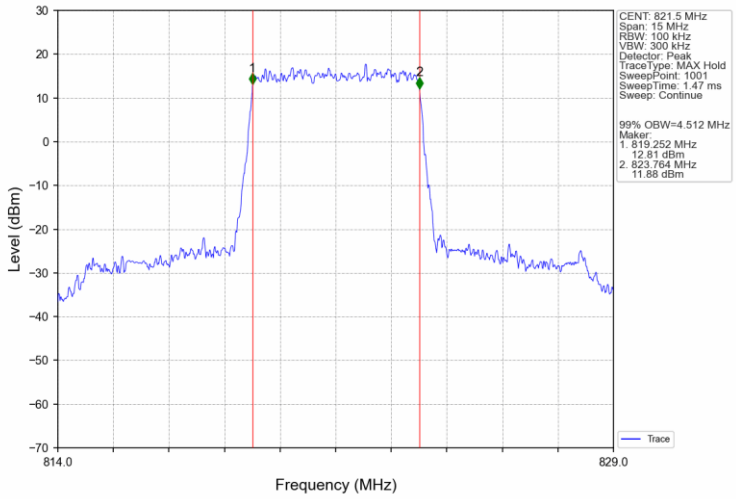
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



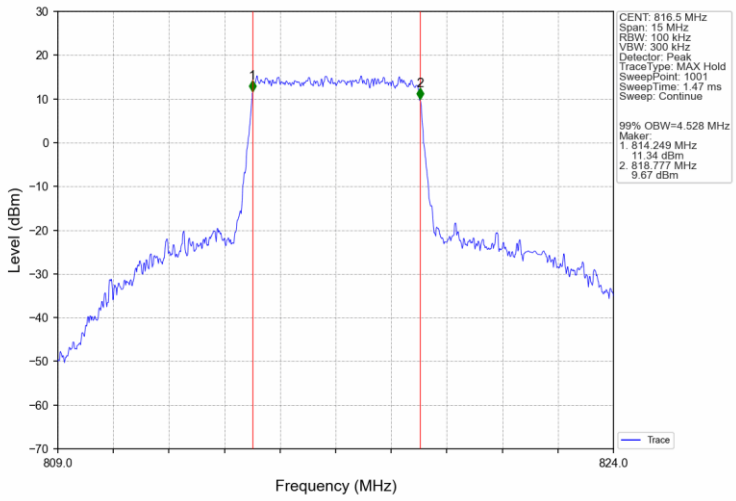
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



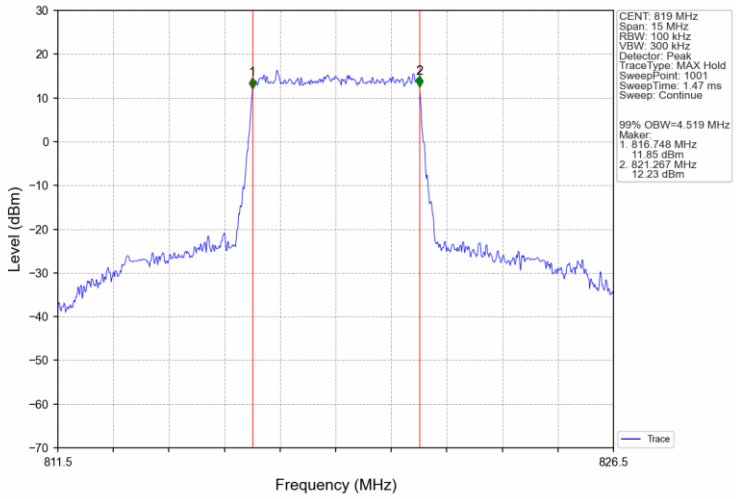
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



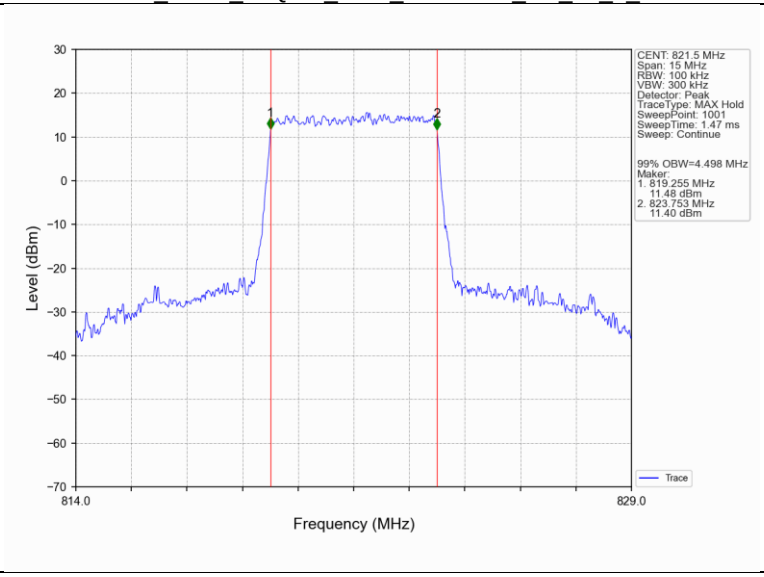
Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



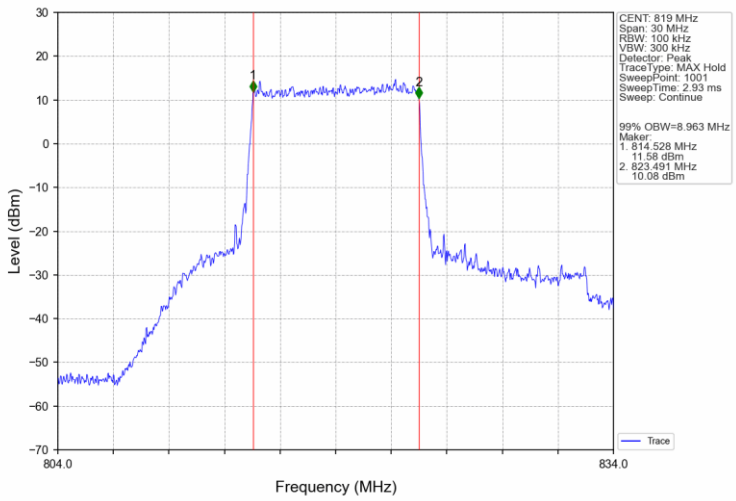
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



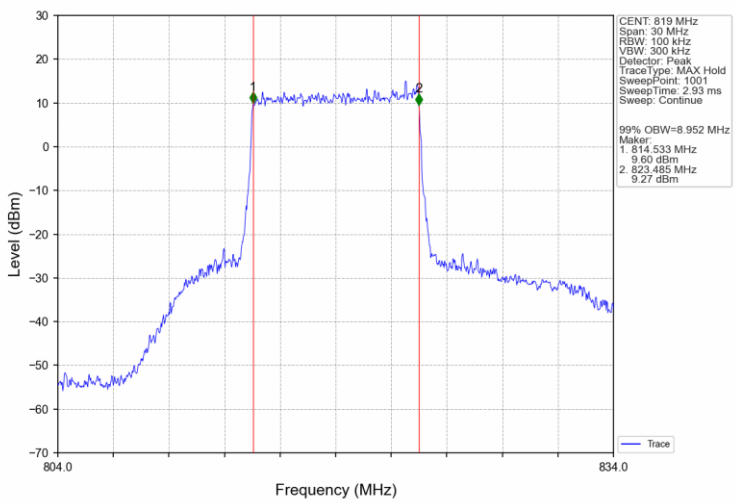
Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

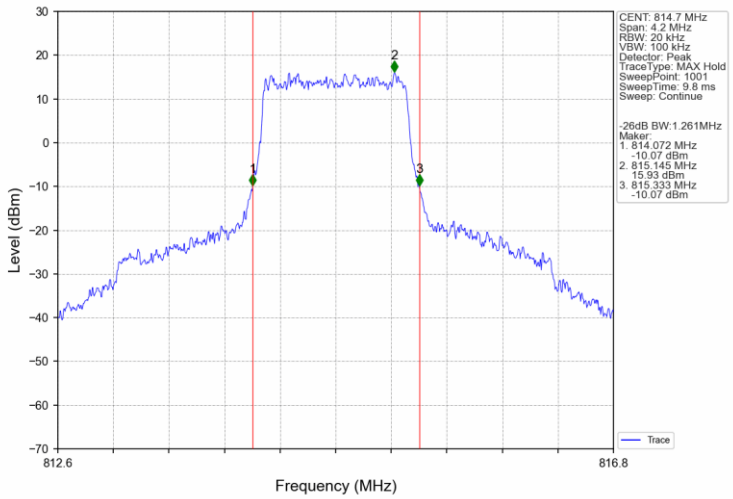


Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV

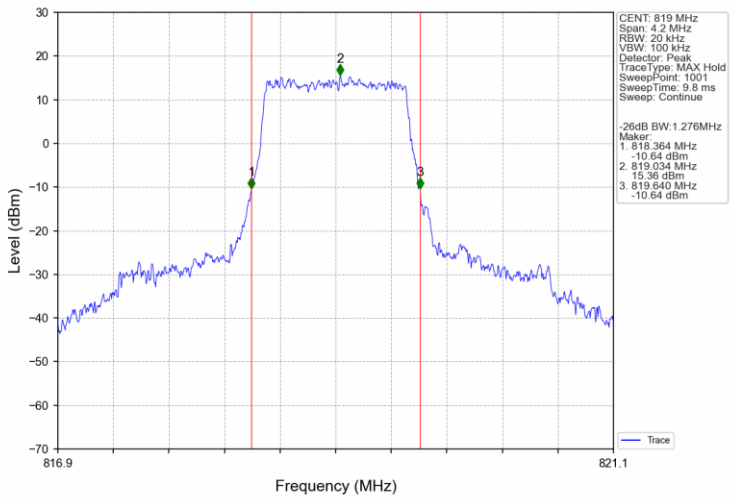


4.2.2 Band26a_XDB

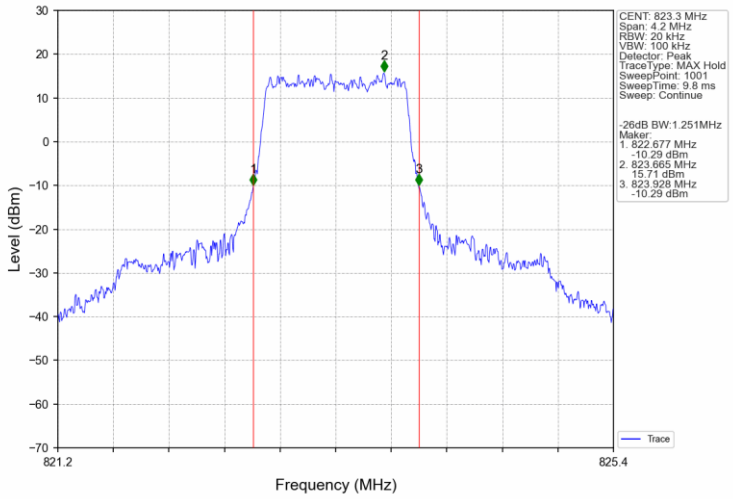
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



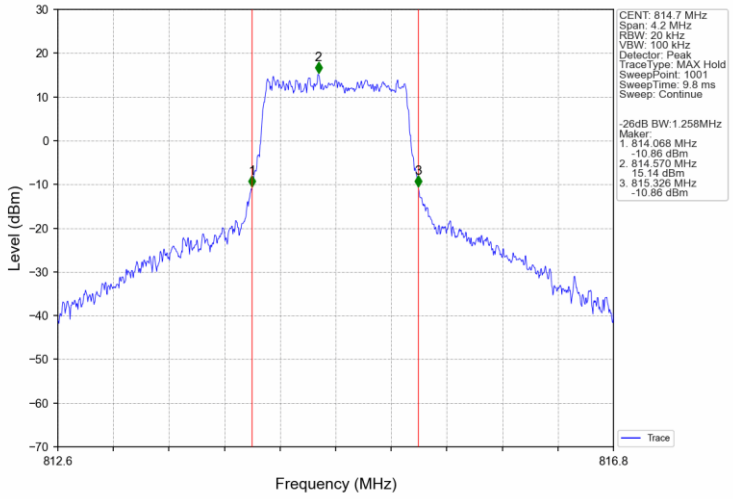
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



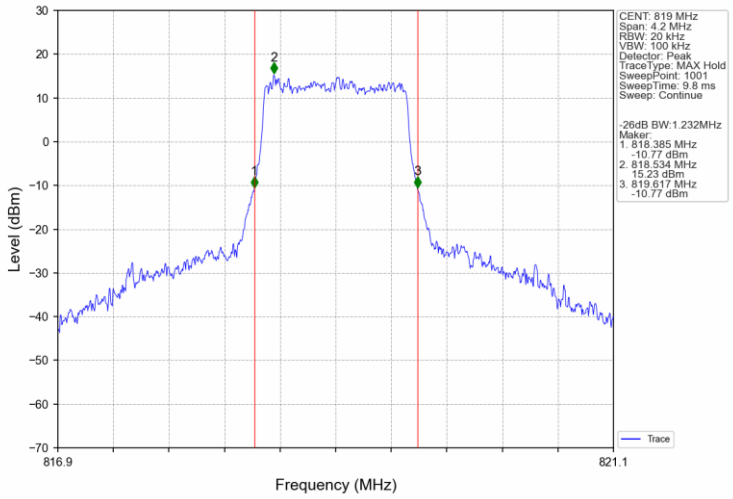
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



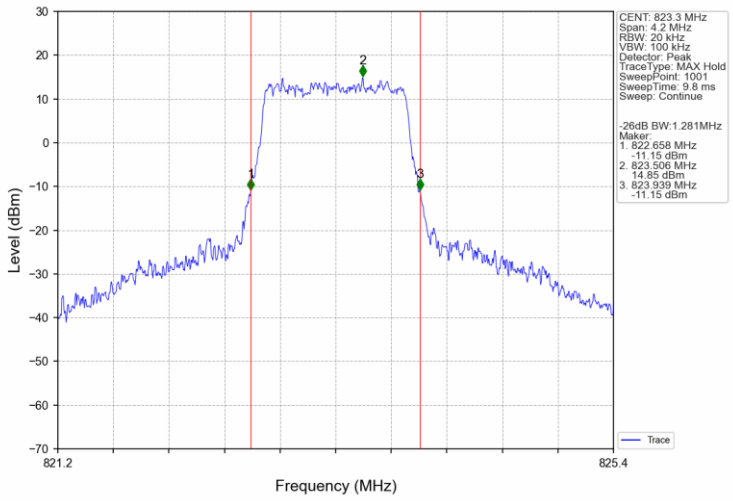
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



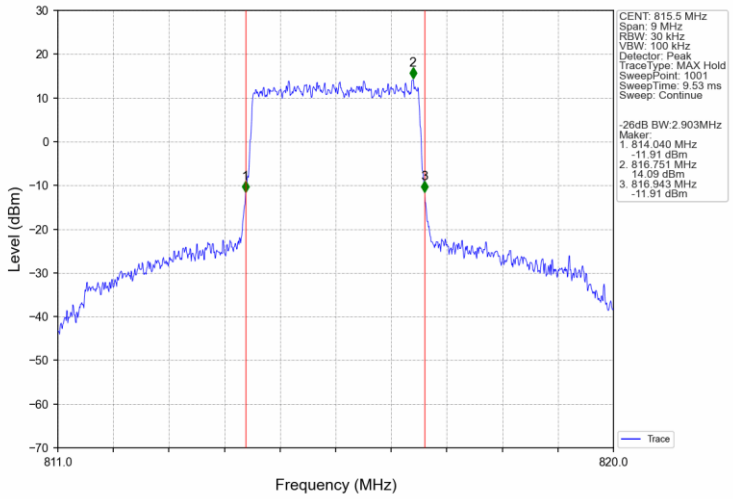
Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



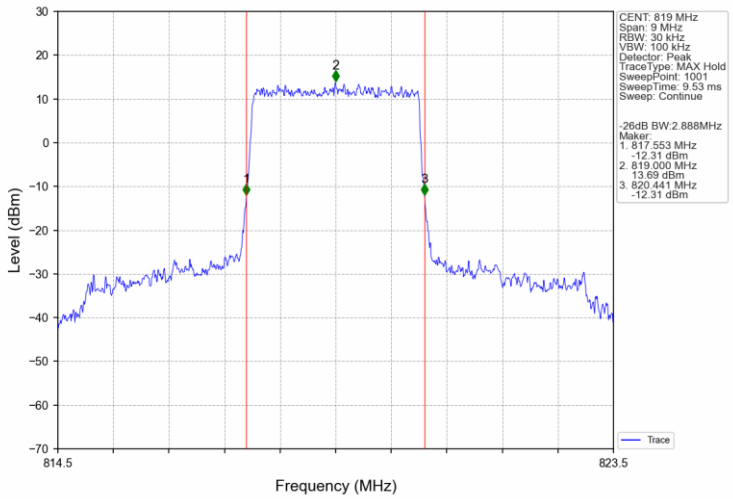
Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV



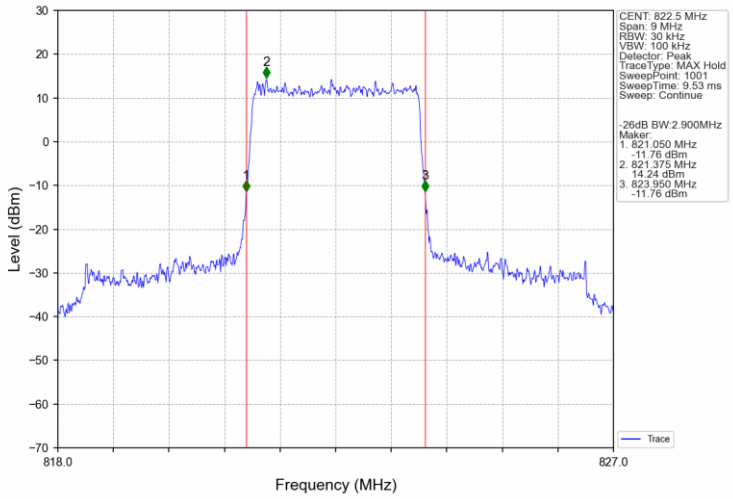
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



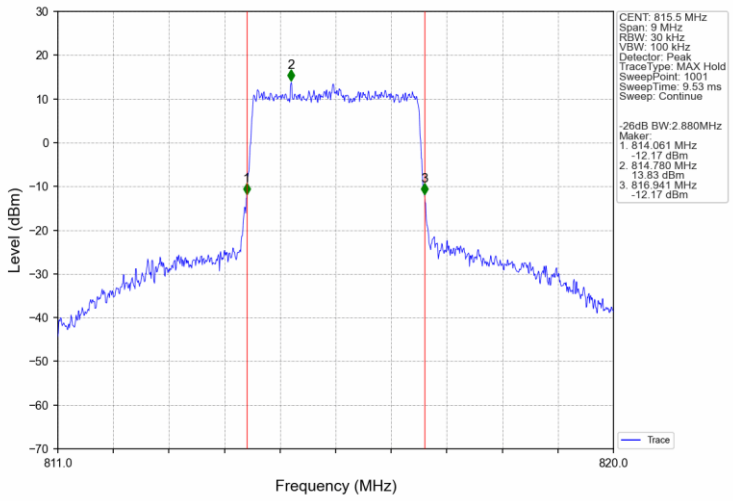
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



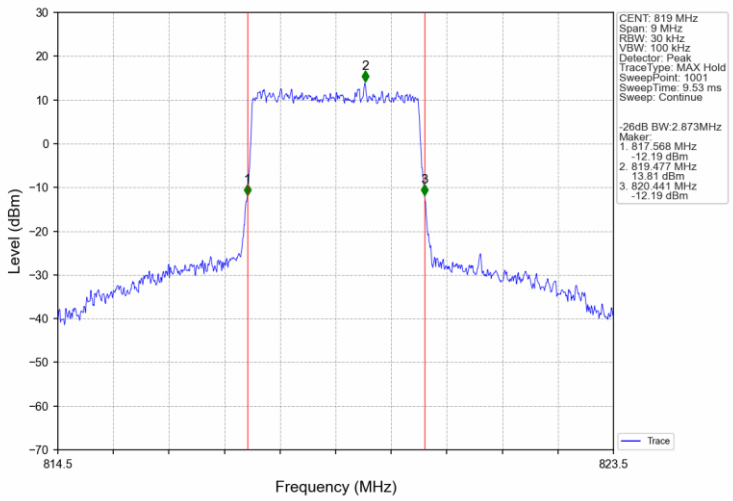
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



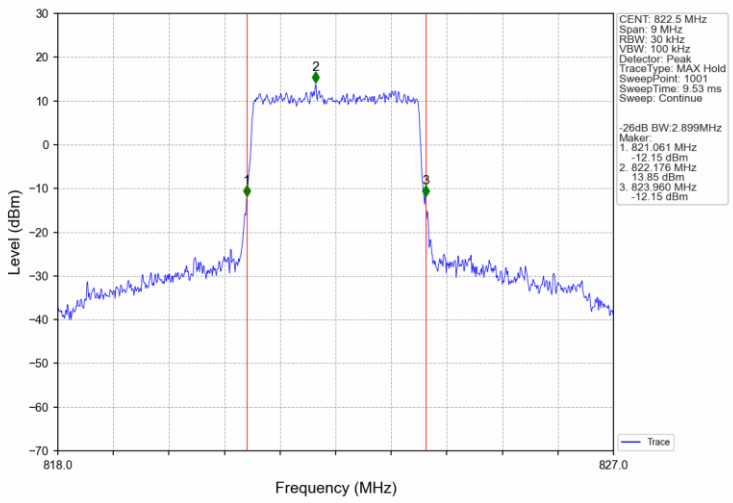
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



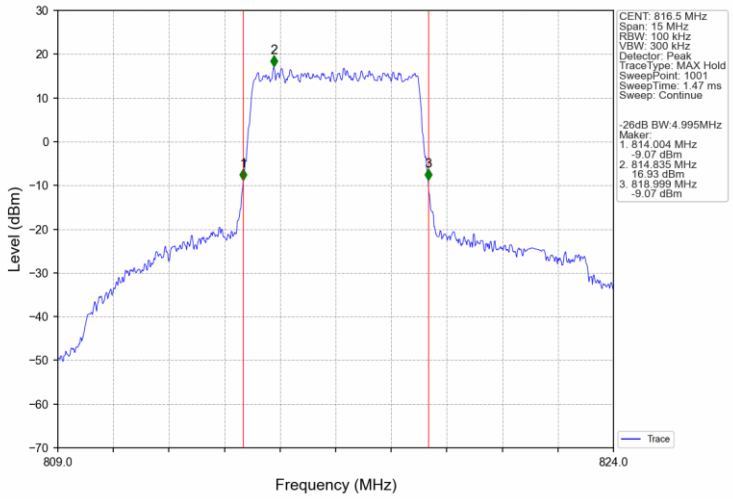
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



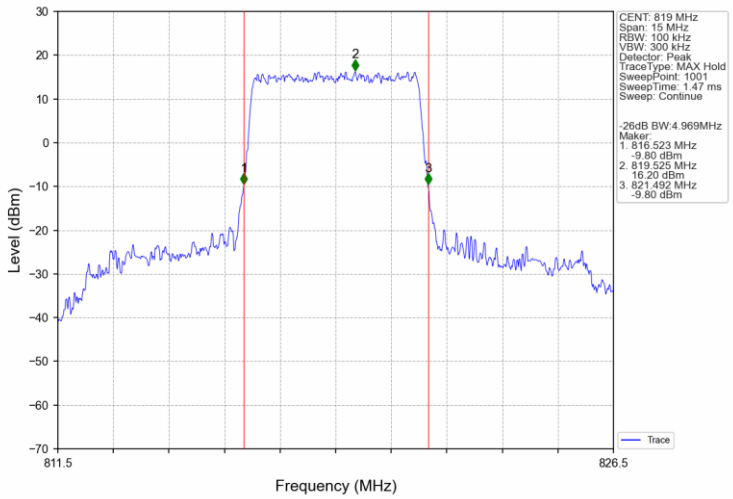
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



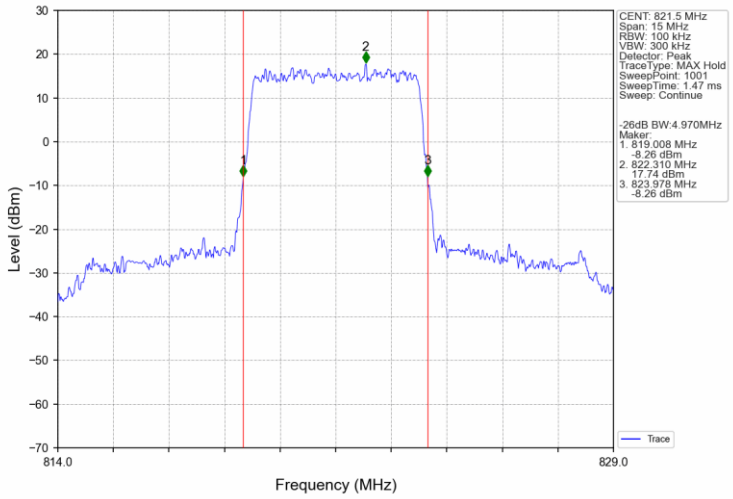
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



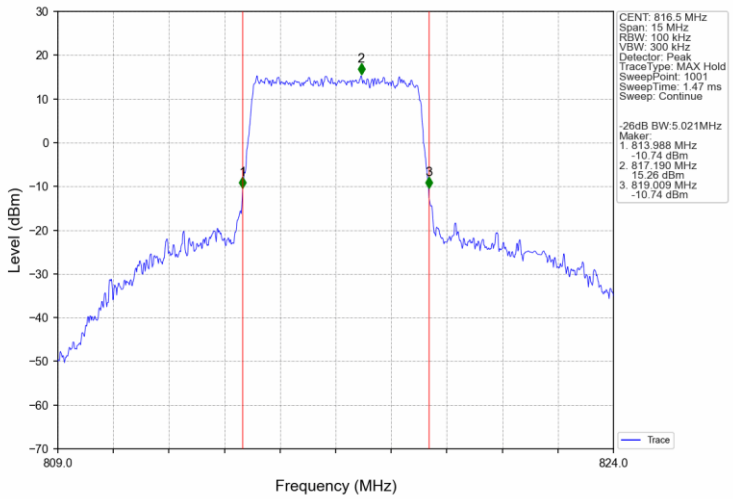
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



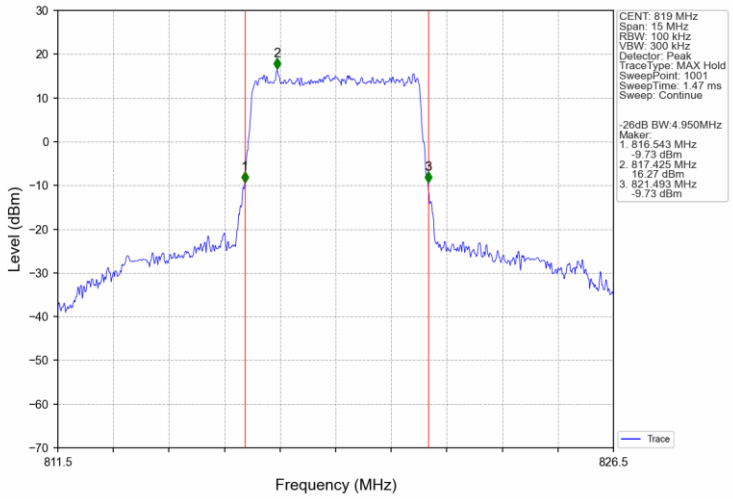
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



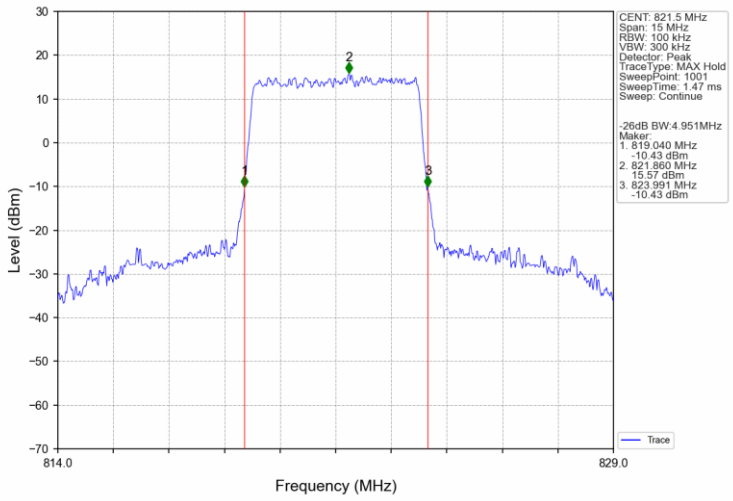
Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



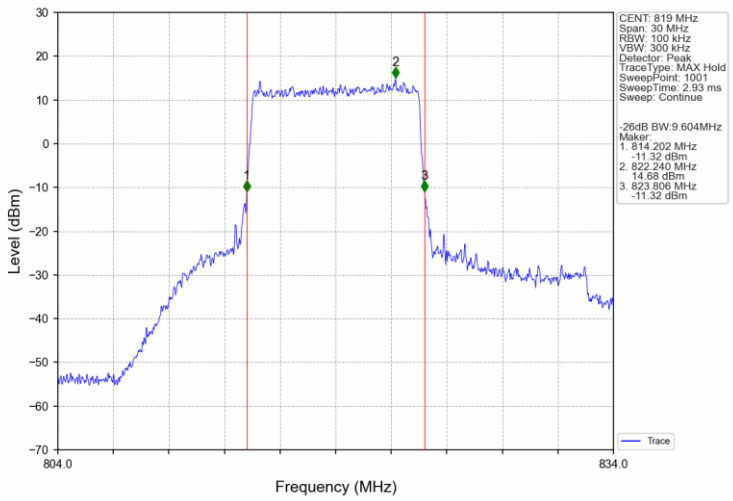
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



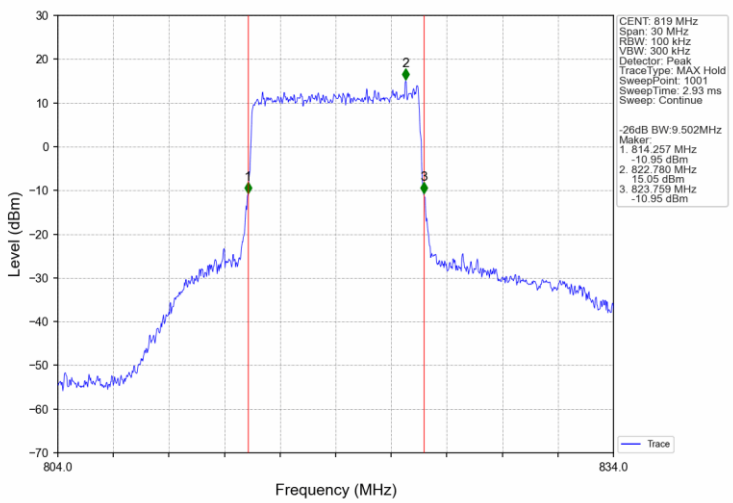
Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	6	0	4.55	<=13	Pass
	819	6	0	5.30	<=13	Pass
	823.3	6	0	4.88	<=13	Pass
16QAM	814.7	6	0	5.38	<=13	Pass
	819	6	0	6.16	<=13	Pass
	823.3	6	0	5.67	<=13	Pass

5.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	15	0	5.05	<=13	Pass
	819	15	0	5.42	<=13	Pass
	822.5	15	0	5.11	<=13	Pass
16QAM	815.5	15	0	5.85	<=13	Pass
	819	15	0	6.26	<=13	Pass
	822.5	15	0	5.96	<=13	Pass

5.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	25	0	5.36	<=13	Pass
	819	25	0	5.55	<=13	Pass
	821.5	25	0	5.48	<=13	Pass
16QAM	816.5	25	0	6.09	<=13	Pass
	819	25	0	6.26	<=13	Pass
	821.5	25	0	6.18	<=13	Pass

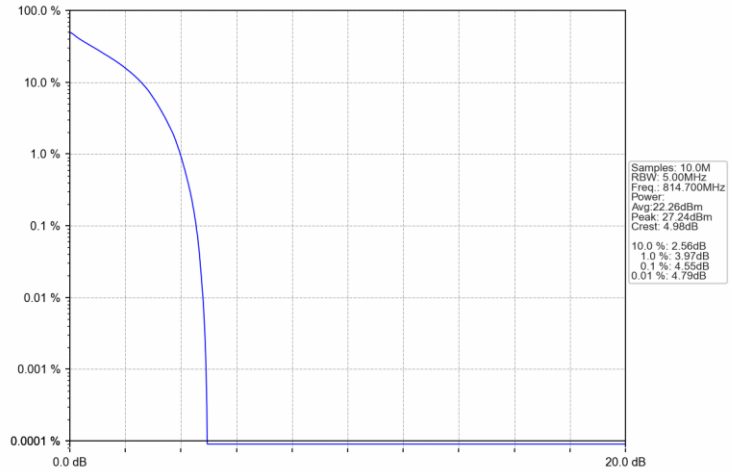
5.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.39	<=13	Pass
16QAM	819	50	0	6.19	<=13	Pass

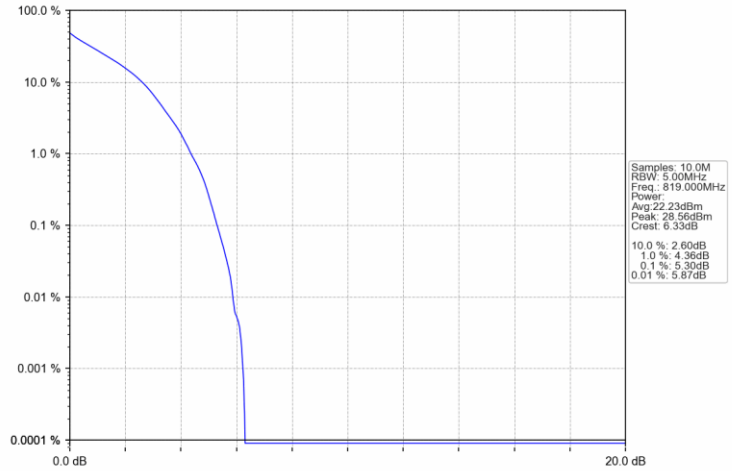
5.2 Test Graph

5.2.1 B26a_1.4MHz

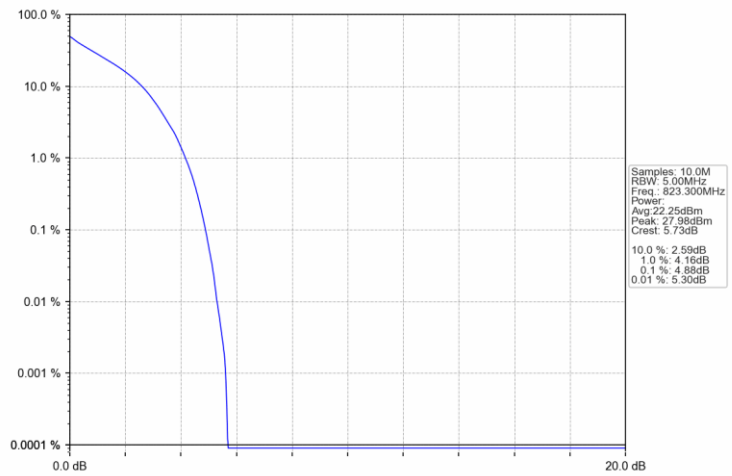
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



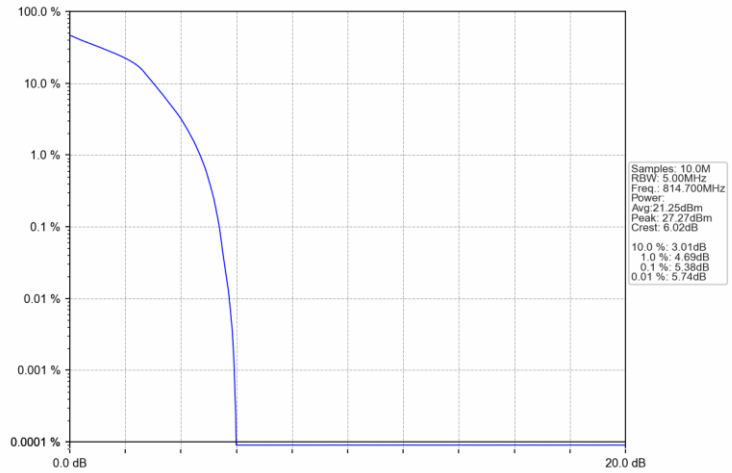
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



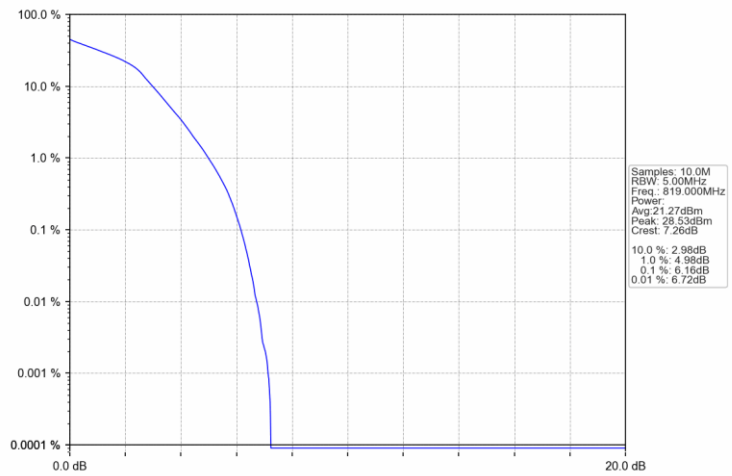
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



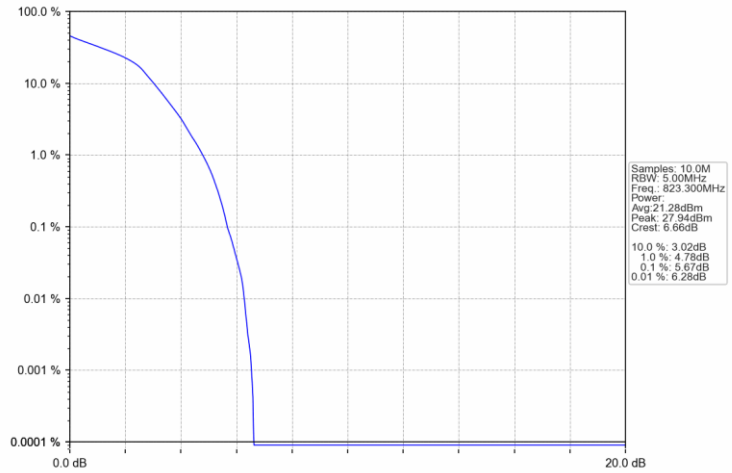
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

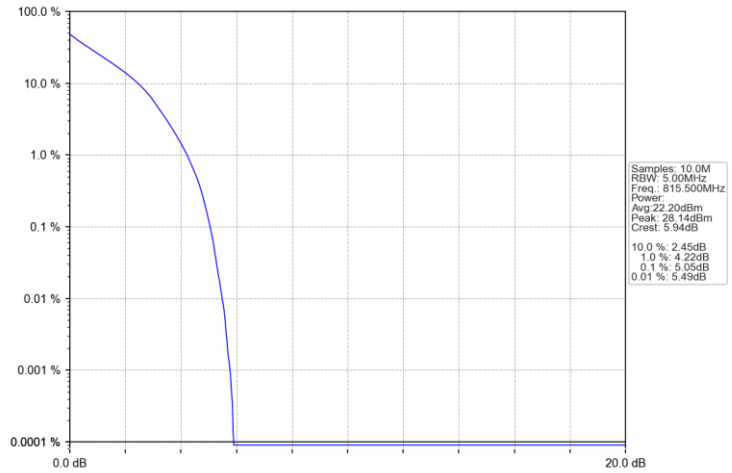


Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV

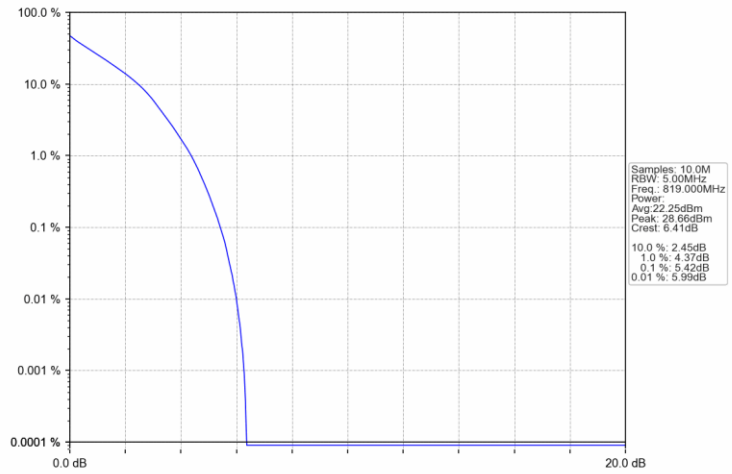


5.2.2 B26a_3MHz

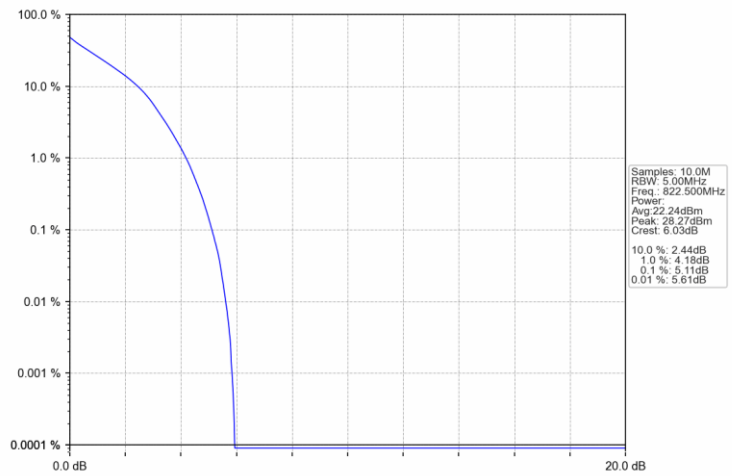
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



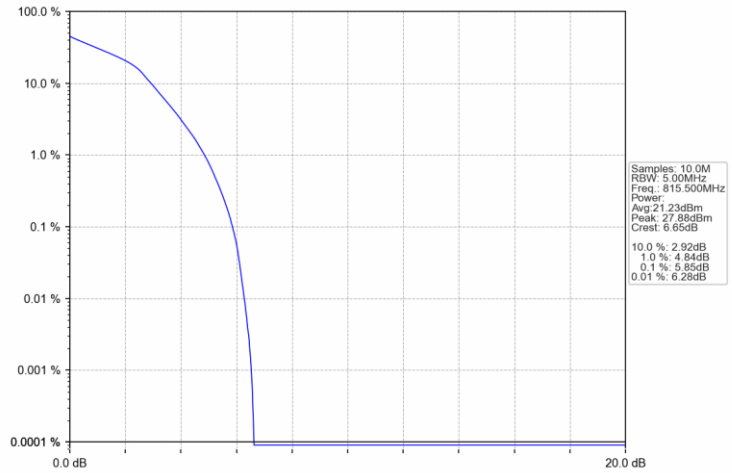
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



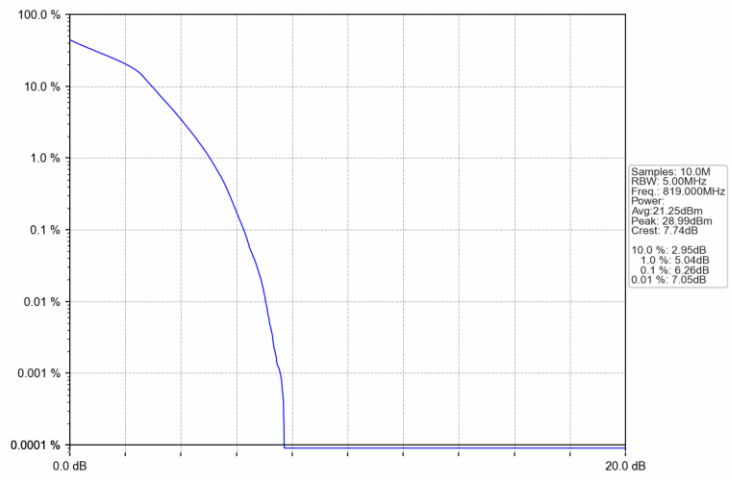
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



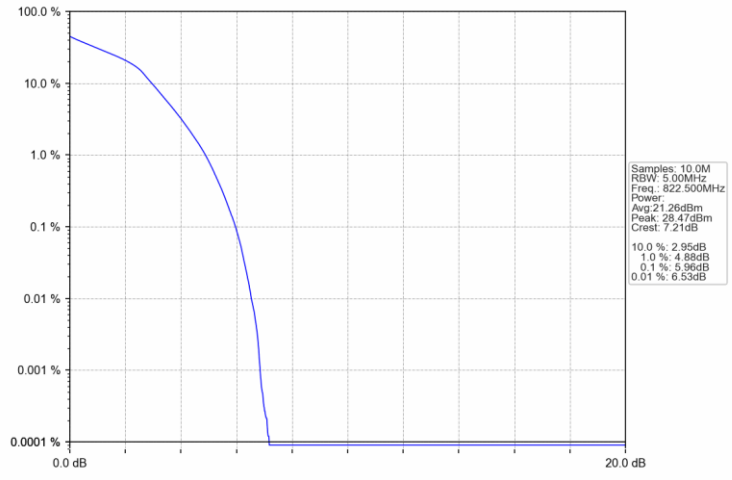
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



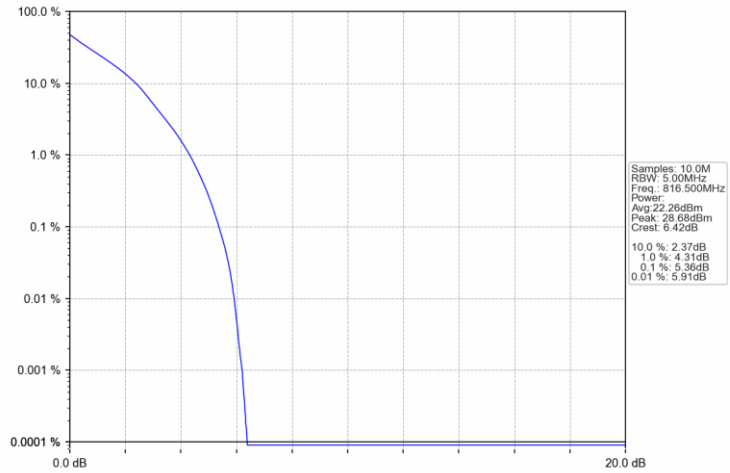
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV

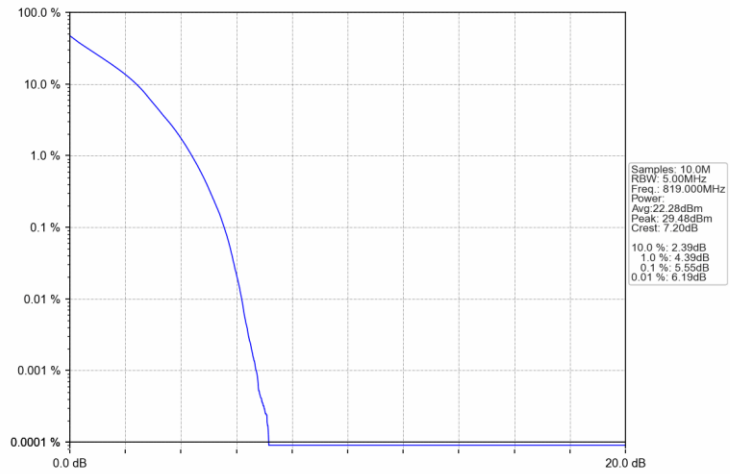


Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV

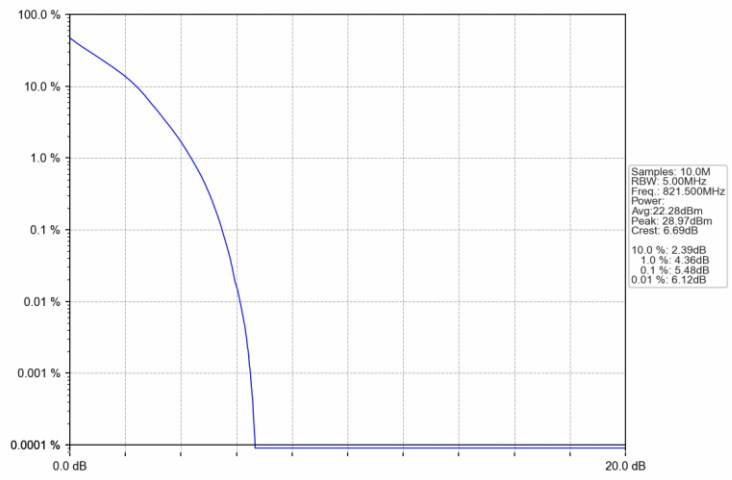


5.2.3 B26a_5MHz

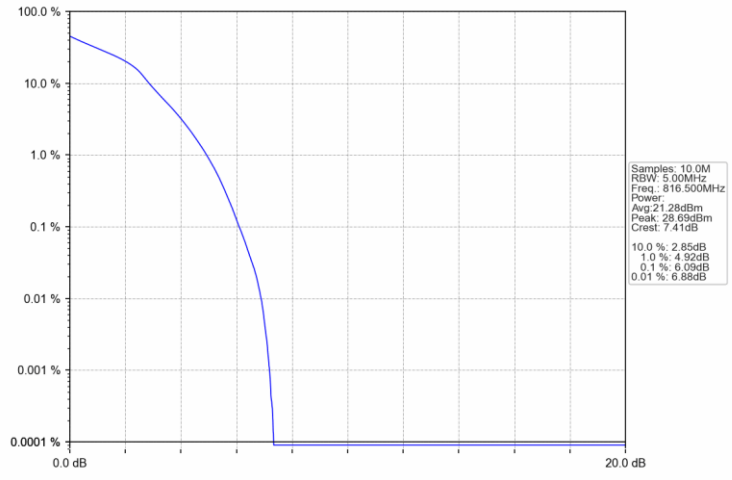
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV


Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV


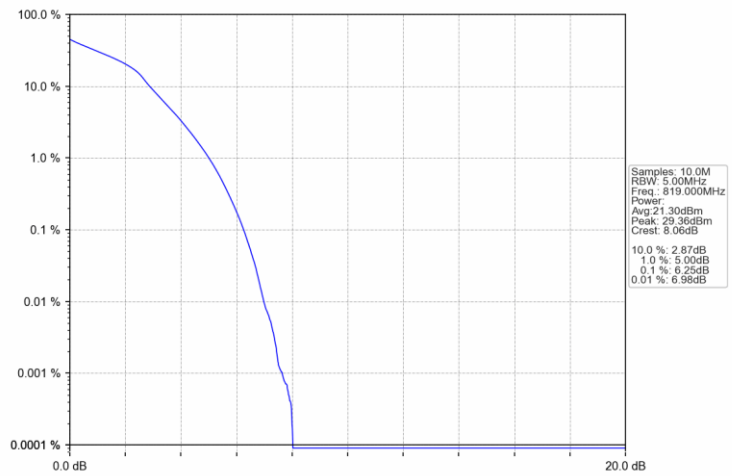
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



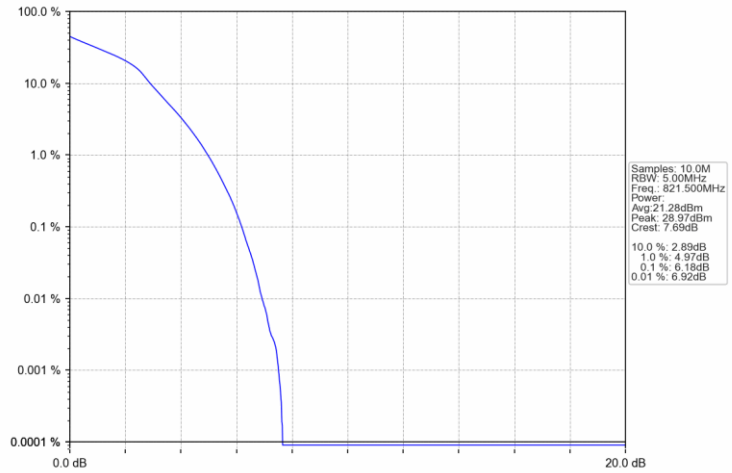
Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



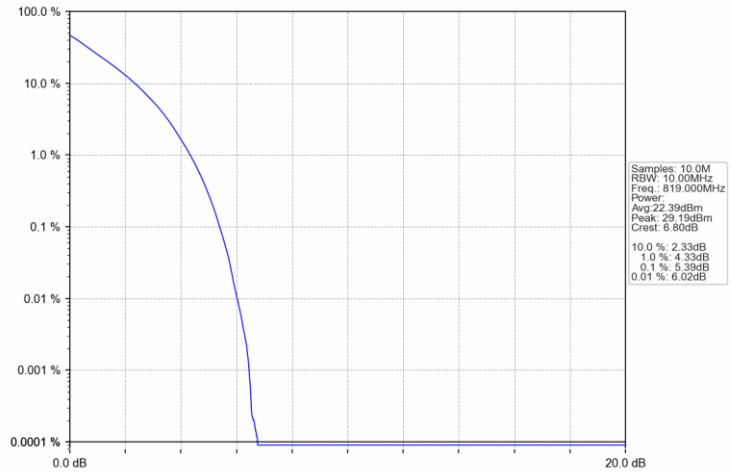
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

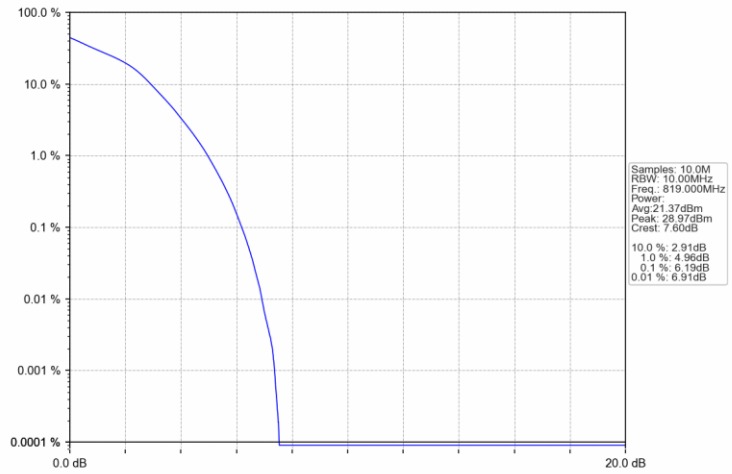


Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



5.2.4 B26a_10MHz

Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV


Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV


6. Spurious Emission

6.1 Test Result

6.1.1 B26a_1.4MHz

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	823.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	814.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	823.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	822.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	815.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	822.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

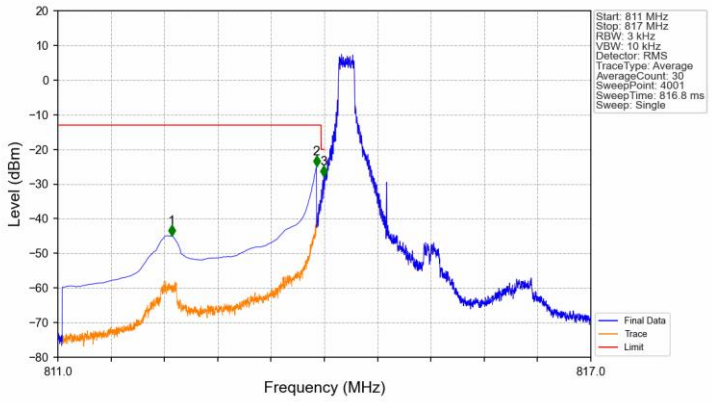
6.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	819	1	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass

6.2 Test Graph

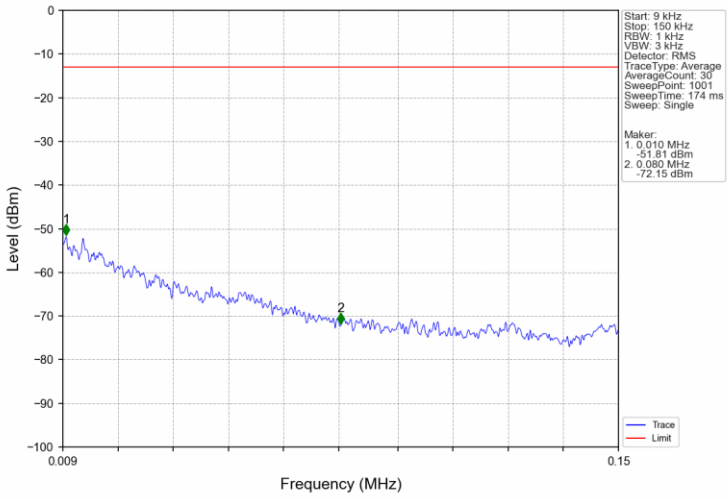
6.2.1 B26a_1.4MHz

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

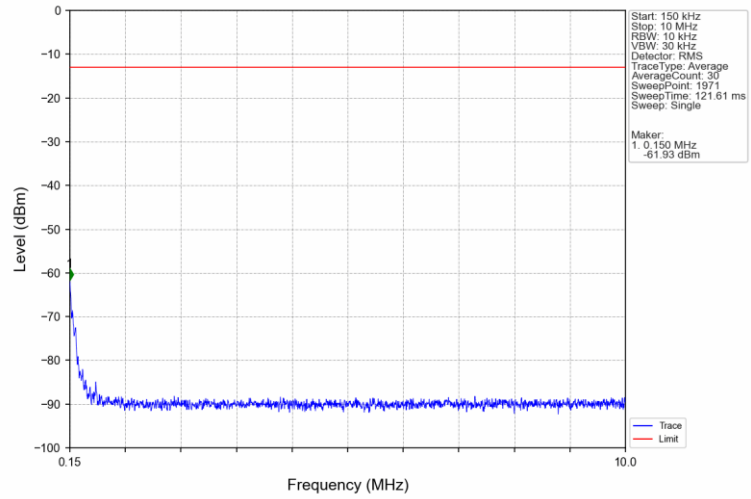


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.284	-44.89	-13	Pass
813	813.963	0.1	CHP	2	813.912	-24.98	-13	Pass
813.963	814	0.003	/	3	813.995	-27.79	-20	Pass
814	817	0.003	/	/	/	/	/	/

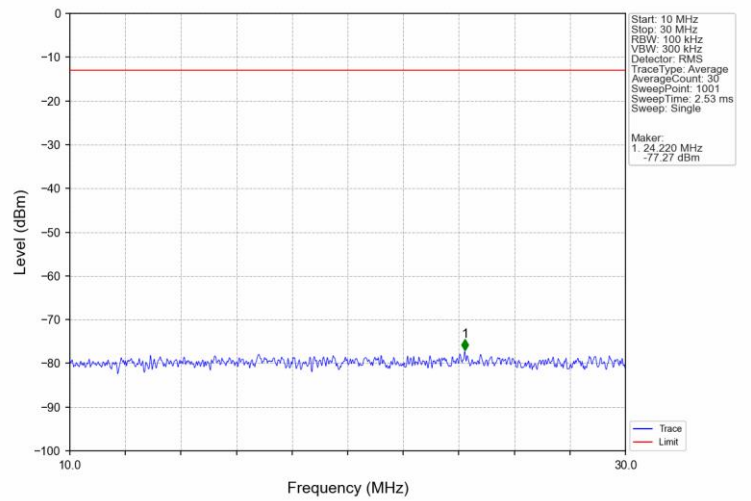
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV



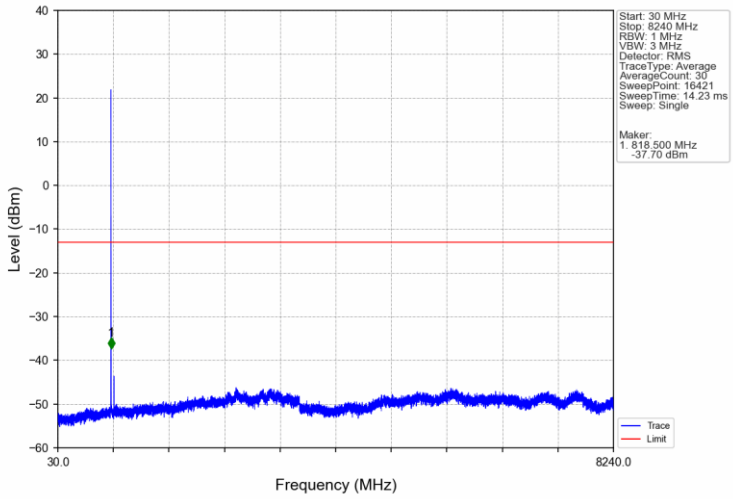
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV



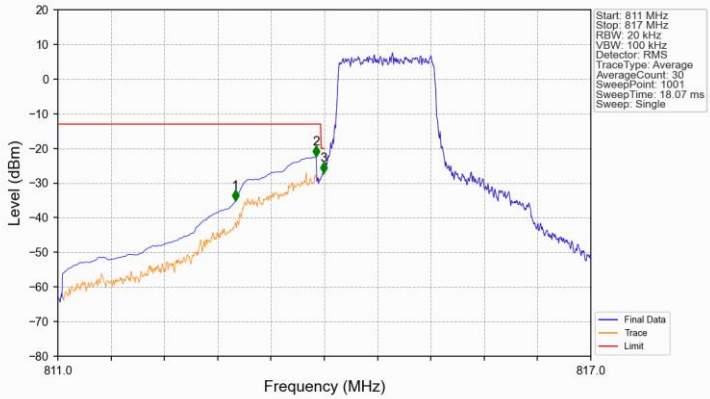
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

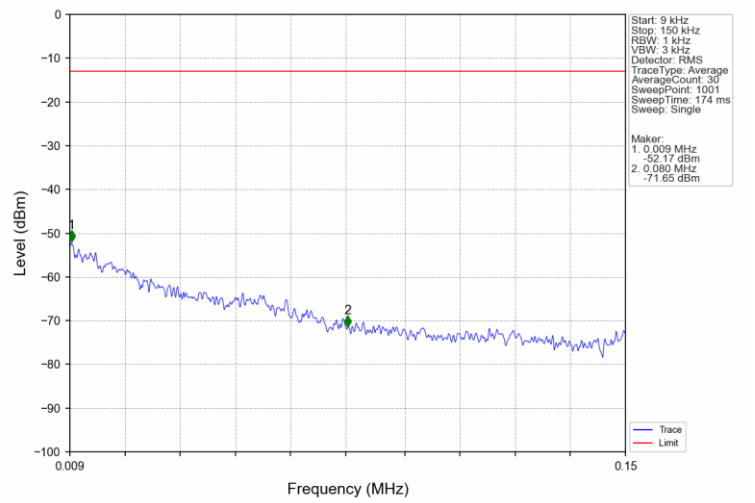


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

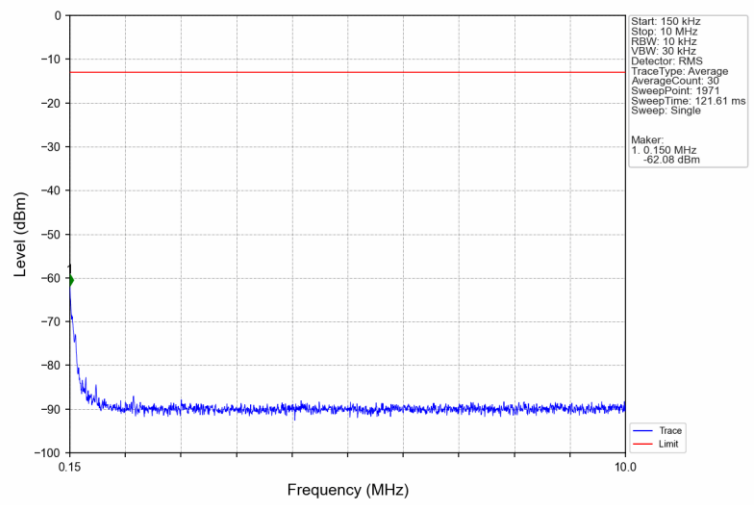


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.998	-35.12	-13	Pass
813	813.963	0.1	CHP	2	813.910	-22.46	-13	Pass
813.963	814	0.02	/	3	813.994	-27.13	-20	Pass
814	817	0.02	/	/	/	/	/	/

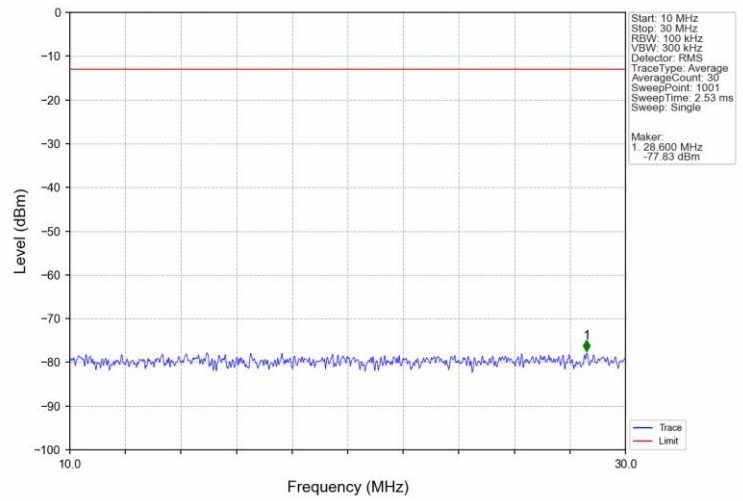
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



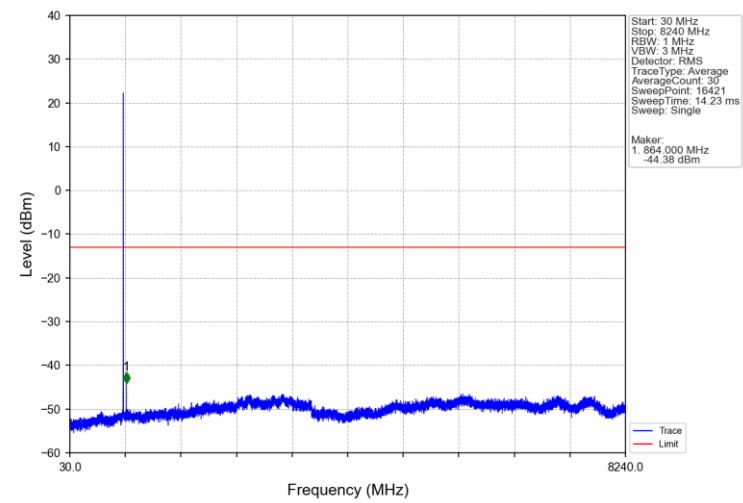
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



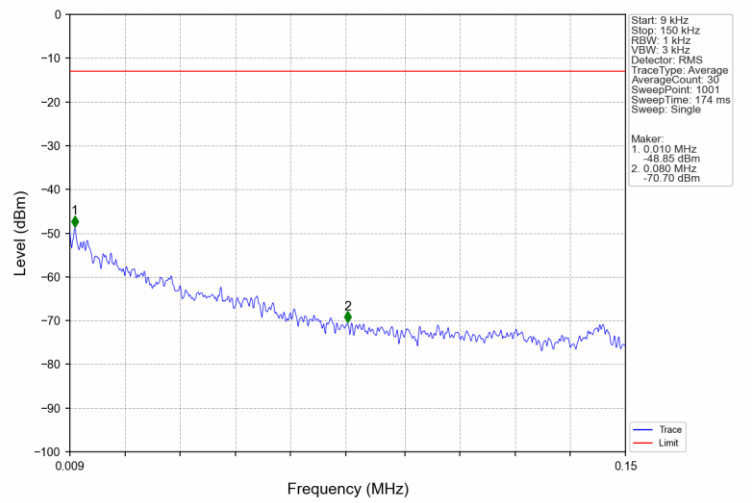
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



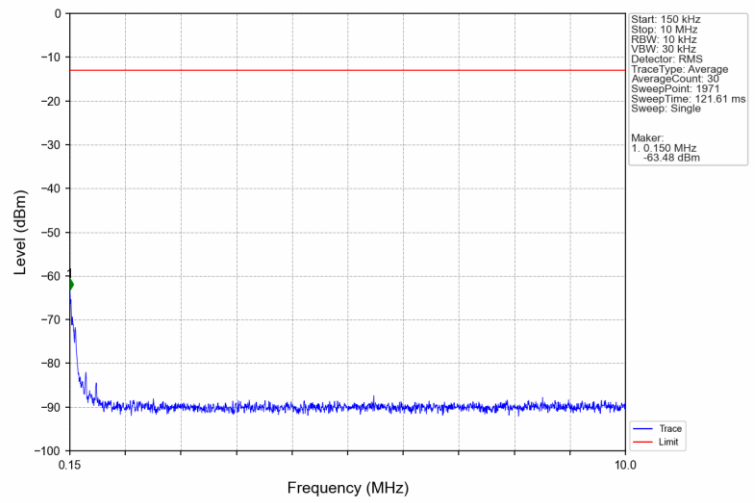
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



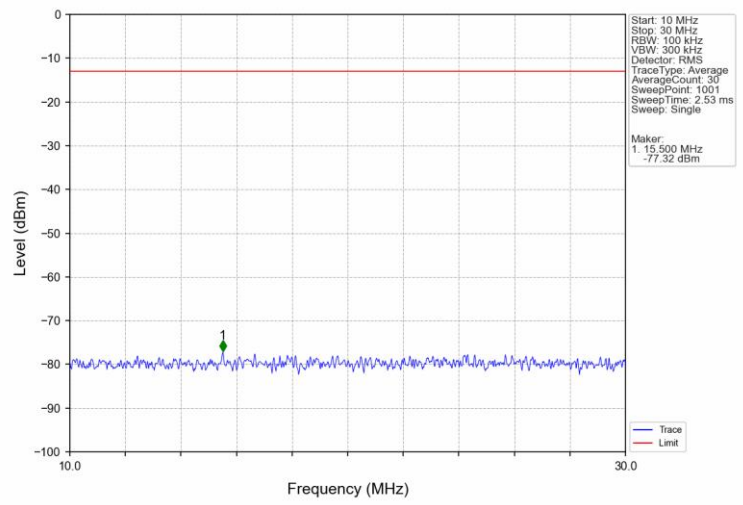
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV



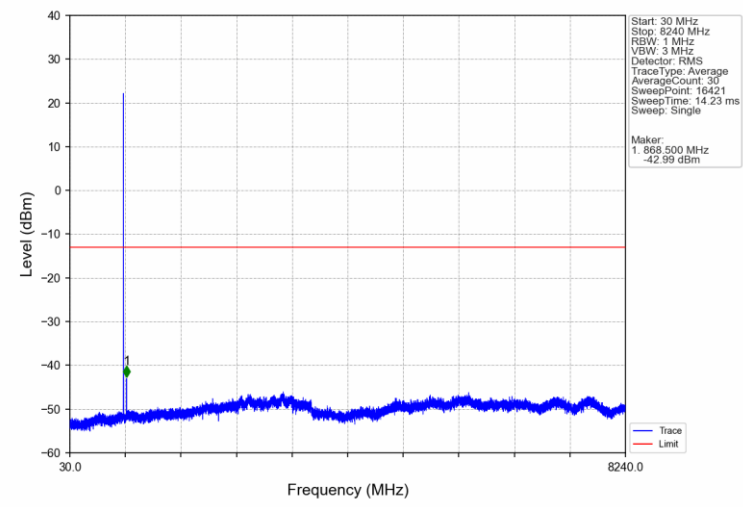
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV



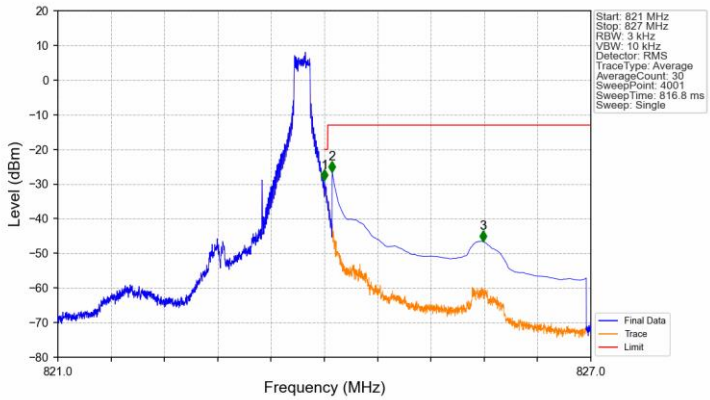
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

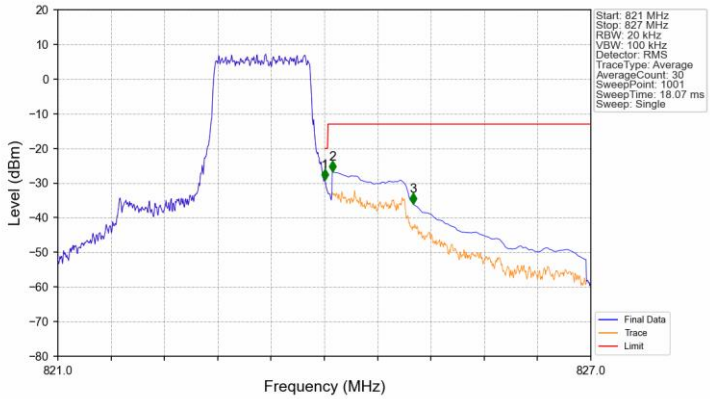


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



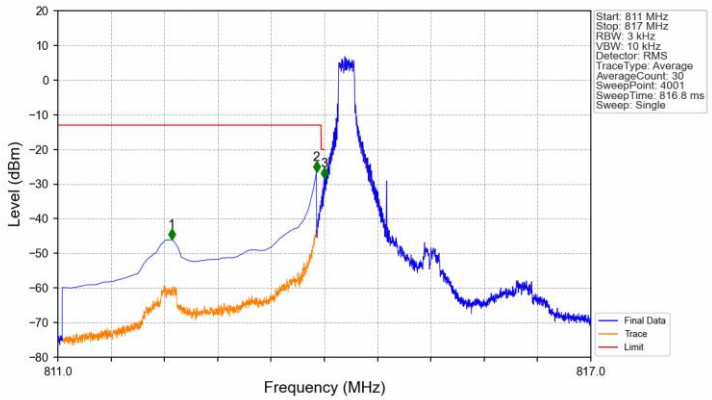
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.003	-28.90	-20	Pass
824.038	825	0.1	CHP	2	824.088	-26.48	-13	Pass
825	827	0.1	CHP	3	825.787	-46.52	-13	Pass

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



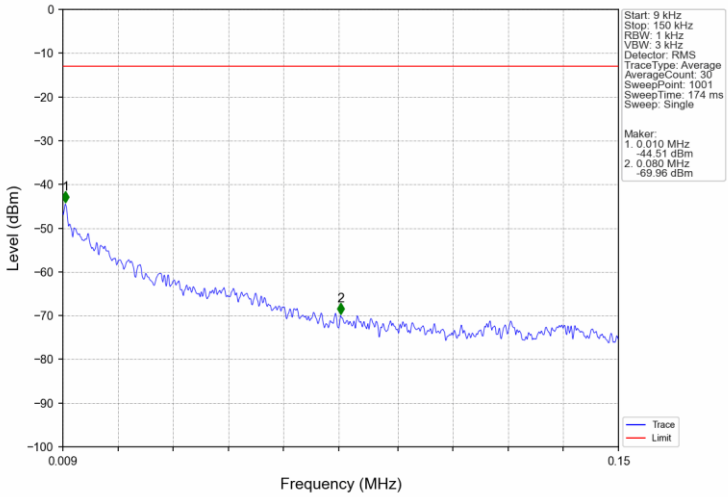
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.02	/	/	/	/	/	/
824	824.038	0.02	/	1	824.006	-29.13	-20	Pass
824.038	825	0.1	CHP	2	824.090	-26.78	-13	Pass
825	827	0.1	CHP	3	825.002	-36.09	-13	Pass

Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV

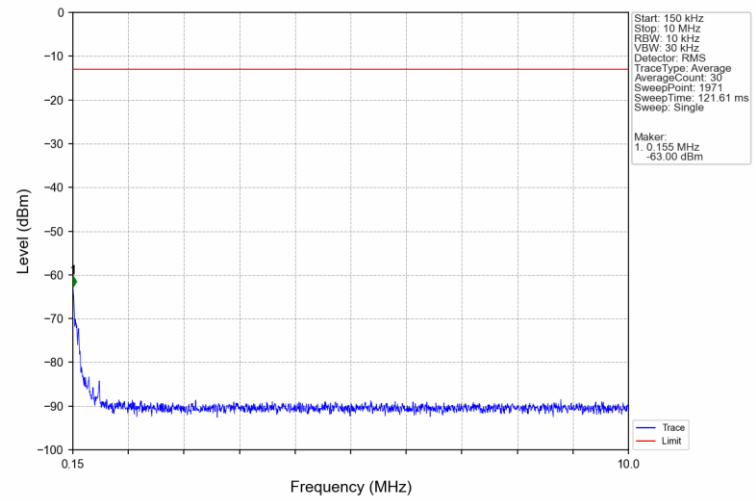


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.284	-46.07	-13	Pass
813	813.963	0.1	CHP	2	813.912	-26.56	-13	Pass
813.963	814	0.003	/	3	813.997	-28.45	-20	Pass
814	817	0.003	/	/	/	/	/	/

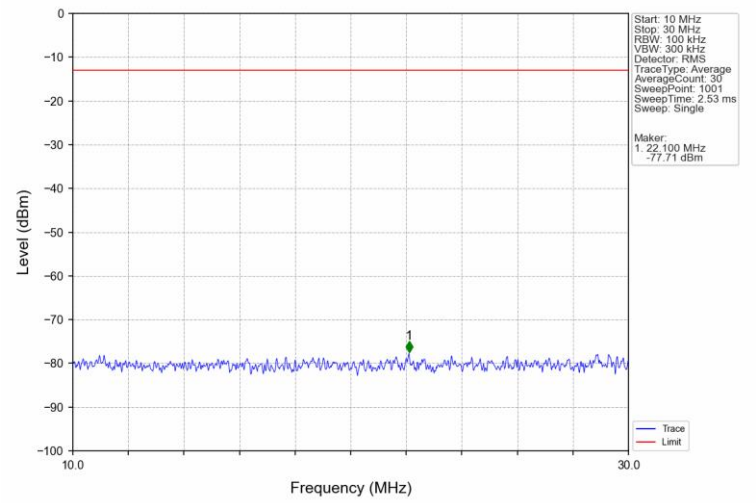
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV



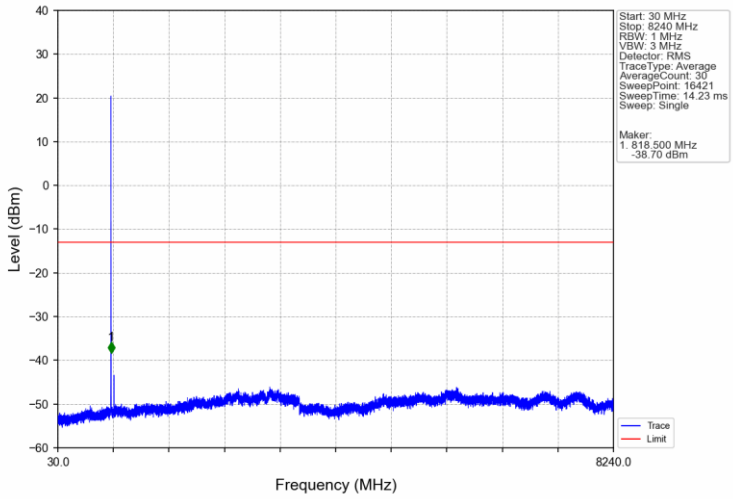
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV



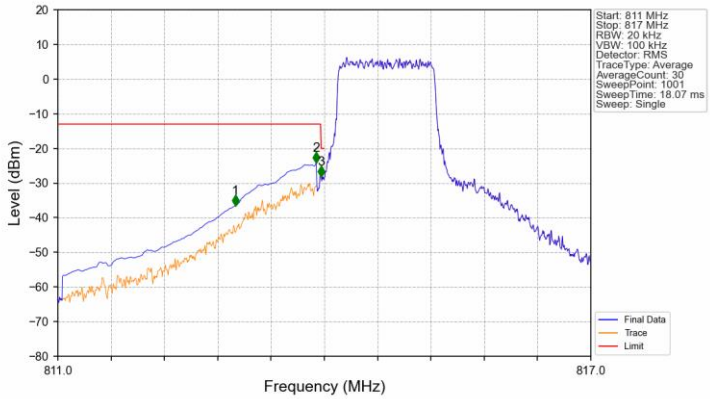
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV



Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_1_0_NTNV

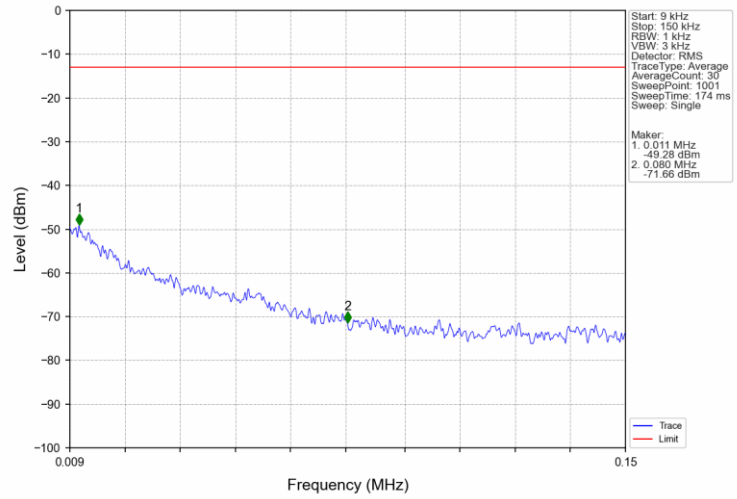
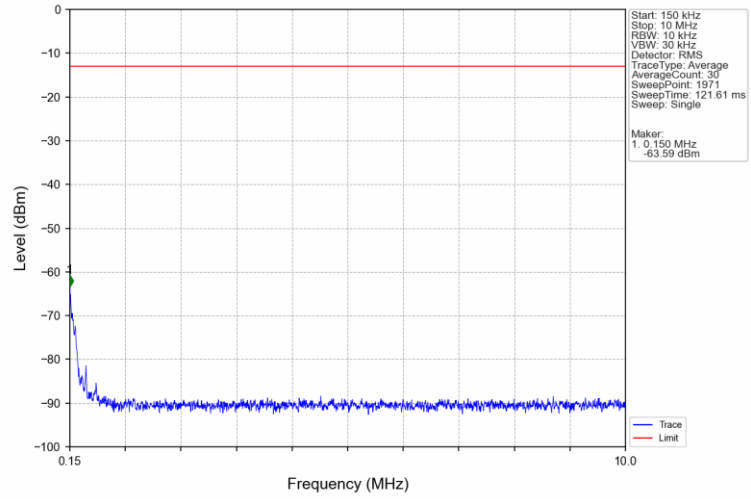


Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.998	-36.59	-13	Pass
813	813.963	0.1	CHP	2	813.910	-24.15	-13	Pass
813.963	814	0.02	/	3	813.964	-28.20	-20	Pass
814	817	0.02	/	/	/	/	/	/

Band26a_1.4MHz_16QAM_MCH_819MHz_RB_1_0_NTNV



Band26a_1.4MHz_16QAM_MCH_819MHz_RB_1_0_NTNV