

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)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	23.27	<=50	Pass
			2	23.38	<=50	Pass
			5	23.32	<=50	Pass
		3	0	23.35	<=50	Pass
			2	23.37	<=50	Pass
			3	23.35	<=50	Pass
		6	0	22.29	<=50	Pass
	819	1	0	23.17	<=50	Pass
			2	23.26	<=50	Pass
			5	23.20	<=50	Pass
		3	0	23.32	<=50	Pass
			2	23.34	<=50	Pass
			3	23.41	<=50	Pass
		6	0	22.27	<=50	Pass
	823.3	1	0	23.14	<=50	Pass
			2	23.24	<=50	Pass
			5	23.15	<=50	Pass
		3	0	23.04	<=50	Pass
			2	22.93	<=50	Pass
			3	22.82	<=50	Pass
		6	0	21.81	<=50	Pass
16QAM	814.7	1	0	22.27	<=50	Pass
			2	22.37	<=50	Pass
			5	22.28	<=50	Pass
		3	0	22.41	<=50	Pass
			2	22.38	<=50	Pass
			3	22.37	<=50	Pass
		6	0	21.30	<=50	Pass
	819	1	0	22.34	<=50	Pass
			2	22.50	<=50	Pass
			5	22.36	<=50	Pass
		3	0	22.31	<=50	Pass
			2	22.35	<=50	Pass
			3	22.34	<=50	Pass
		6	0	21.37	<=50	Pass
	823.3	1	0	21.75	<=50	Pass
			2	21.79	<=50	Pass
			5	21.70	<=50	Pass
		3	0	21.97	<=50	Pass
			2	21.99	<=50	Pass
			3	21.96	<=50	Pass
		6	0	20.80	<=50	Pass

1.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	23.39	<=50	Pass
			7	23.46	<=50	Pass
			14	23.25	<=50	Pass
		8	0	22.31	<=50	Pass
			4	22.34	<=50	Pass
			7	22.31	<=50	Pass
		15	0	22.10	<=50	Pass
	819	1	0	22.75	<=50	Pass
			7	22.91	<=50	Pass
			14	22.72	<=50	Pass
		8	0	21.77	<=50	Pass
			4	21.80	<=50	Pass
			7	21.72	<=50	Pass
		15	0	21.76	<=50	Pass
	822.5	1	0	22.75	<=50	Pass
			7	22.86	<=50	Pass
			14	22.71	<=50	Pass
		8	0	21.73	<=50	Pass
			4	21.75	<=50	Pass
			7	21.70	<=50	Pass
		15	0	21.73	<=50	Pass
16QAM	815.5	1	0	21.98	<=50	Pass
			7	21.98	<=50	Pass
			14	21.87	<=50	Pass
		8	0	21.00	<=50	Pass
			4	20.95	<=50	Pass
			7	20.96	<=50	Pass
		15	0	21.00	<=50	Pass
	819	1	0	21.95	<=50	Pass
			7	22.07	<=50	Pass
			14	21.93	<=50	Pass
		8	0	20.80	<=50	Pass
			4	20.93	<=50	Pass
			7	20.78	<=50	Pass
		15	0	20.83	<=50	Pass
	822.5	1	0	22.30	<=50	Pass
			7	22.42	<=50	Pass
			14	22.28	<=50	Pass
		8	0	20.97	<=50	Pass
			4	20.98	<=50	Pass
			7	20.96	<=50	Pass
		15	0	20.90	<=50	Pass

1.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	23.19	<=50	Pass
			13	23.30	<=50	Pass
			24	22.96	<=50	Pass
		12	0	21.99	<=50	Pass
			6	22.03	<=50	Pass
			13	21.98	<=50	Pass
		25	0	21.83	<=50	Pass
	819	1	0	22.66	<=50	Pass
			13	22.77	<=50	Pass
			24	22.62	<=50	Pass
		12	0	21.67	<=50	Pass
			6	21.80	<=50	Pass
			13	21.66	<=50	Pass
		25	0	21.71	<=50	Pass
	821.5	1	0	22.62	<=50	Pass
			13	22.77	<=50	Pass
			24	22.60	<=50	Pass
		12	0	21.75	<=50	Pass
			6	21.78	<=50	Pass
			13	21.62	<=50	Pass
		25	0	21.72	<=50	Pass
16QAM	816.5	1	0	21.81	<=50	Pass
			13	21.88	<=50	Pass
			24	21.81	<=50	Pass
		12	0	20.71	<=50	Pass
			6	20.84	<=50	Pass
			13	20.84	<=50	Pass
		25	0	20.88	<=50	Pass
	819	1	0	21.91	<=50	Pass
			13	22.08	<=50	Pass
			24	21.89	<=50	Pass
		12	0	20.77	<=50	Pass
			6	20.93	<=50	Pass
			13	20.80	<=50	Pass
		25	0	20.78	<=50	Pass
	821.5	1	0	21.58	<=50	Pass
			13	21.60	<=50	Pass
			24	21.53	<=50	Pass
		12	0	20.75	<=50	Pass
			6	20.82	<=50	Pass
			13	20.66	<=50	Pass
		25	0	20.84	<=50	Pass

1.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)		Verdict		
		Size	Offset	Result	Limit			
QPSK	819	1	0	23.24	<=50	Pass		
			25	23.39	<=50	Pass		
			49	23.18	<=50	Pass		
		25	0	22.17	<=50	Pass		
			13	22.28	<=50	Pass		
			25	22.16	<=50	Pass		
		50	0	22.21	<=50	Pass		
		16QAM	819	1	0	22.75	<=50	Pass
					25	22.96	<=50	Pass
49	22.41				<=50	Pass		
25	0			21.28	<=50	Pass		
	13			21.23	<=50	Pass		
	25			21.05	<=50	Pass		
50	0			21.16	<=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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	814.7	6	0	20	102	-6.065	-0.0074	-2.5 to 2.5	Pass
					120	-6.251	-0.0077	-2.5 to 2.5	Pass
					138	-8.612	-0.0106	-2.5 to 2.5	Pass
				-30	120	-6.166	-0.0076	-2.5 to 2.5	Pass
				-20	120	-7.195	-0.0088	-2.5 to 2.5	Pass
				-10	120	-6.423	-0.0079	-2.5 to 2.5	Pass
				0	120	-3.877	-0.0048	-2.5 to 2.5	Pass
				10	120	-4.234	-0.0052	-2.5 to 2.5	Pass
				30	120	-6.294	-0.0077	-2.5 to 2.5	Pass
				40	120	-8.183	-0.0100	-2.5 to 2.5	Pass
				50	120	-3.891	-0.0048	-2.5 to 2.5	Pass
	819	6	0	20	102	-3.204	-0.0039	-2.5 to 2.5	Pass
					120	-4.792	-0.0059	-2.5 to 2.5	Pass
					138	-6.294	-0.0077	-2.5 to 2.5	Pass
				-30	120	-5.322	-0.0065	-2.5 to 2.5	Pass
				-20	120	-6.051	-0.0074	-2.5 to 2.5	Pass
				-10	120	-6.051	-0.0074	-2.5 to 2.5	Pass
				0	120	-2.475	-0.0030	-2.5 to 2.5	Pass
				10	120	-5.465	-0.0067	-2.5 to 2.5	Pass
				30	120	-4.077	-0.0050	-2.5 to 2.5	Pass
				40	120	-6.866	-0.0084	-2.5 to 2.5	Pass
				50	120	-10.386	-0.0127	-2.5 to 2.5	Pass
	823.3	6	0	20	102	-7.610	-0.0092	-2.5 to 2.5	Pass
					120	-3.991	-0.0048	-2.5 to 2.5	Pass
					138	-8.297	-0.0101	-2.5 to 2.5	Pass
				-30	120	-8.183	-0.0099	-2.5 to 2.5	Pass
				-20	120	-7.138	-0.0087	-2.5 to 2.5	Pass
				-10	120	-8.383	-0.0102	-2.5 to 2.5	Pass
				0	120	-9.255	-0.0112	-2.5 to 2.5	Pass
				10	120	-4.678	-0.0057	-2.5 to 2.5	Pass
				30	120	-6.995	-0.0085	-2.5 to 2.5	Pass
				40	120	-9.313	-0.0113	-2.5 to 2.5	Pass
16QAM	814.7	6	0	20	102	-3.605	-0.0044	-2.5 to 2.5	Pass
					120	-3.591	-0.0044	-2.5 to 2.5	Pass
					138	-3.576	-0.0044	-2.5 to 2.5	Pass
				-30	120	-5.593	-0.0069	-2.5 to 2.5	Pass
				-20	120	-9.041	-0.0111	-2.5 to 2.5	Pass
				-10	120	-6.466	-0.0079	-2.5 to 2.5	Pass
				0	120	-4.778	-0.0059	-2.5 to 2.5	Pass
				10	120	-5.150	-0.0063	-2.5 to 2.5	Pass
				30	120	-2.604	-0.0032	-2.5 to 2.5	Pass
				40	120	-6.580	-0.0081	-2.5 to 2.5	Pass
				50	120	-4.277	-0.0052	-2.5 to 2.5	Pass
	819	6	0	20	102	-8.211	-0.0100	-2.5 to 2.5	Pass
					120	-5.436	-0.0066	-2.5 to 2.5	Pass
					138	-5.665	-0.0069	-2.5 to 2.5	Pass
				-30	120	-6.051	-0.0074	-2.5 to 2.5	Pass
				-20	120	-1.774	-0.0022	-2.5 to 2.5	Pass
				-10	120	-4.334	-0.0053	-2.5 to 2.5	Pass

				0	120	-8.097	-0.0099	-2.5 to 2.5	Pass
				10	120	-6.251	-0.0076	-2.5 to 2.5	Pass
				30	120	-3.419	-0.0042	-2.5 to 2.5	Pass
				40	120	-7.896	-0.0096	-2.5 to 2.5	Pass
				50	120	-9.556	-0.0117	-2.5 to 2.5	Pass
	823.3	6	0	20	102	-5.794	-0.0070	-2.5 to 2.5	Pass
					120	-9.599	-0.0117	-2.5 to 2.5	Pass
					138	-8.225	-0.0100	-2.5 to 2.5	Pass
				-30	120	-7.167	-0.0087	-2.5 to 2.5	Pass
				-20	120	-7.954	-0.0097	-2.5 to 2.5	Pass
				-10	120	-9.727	-0.0118	-2.5 to 2.5	Pass
				0	120	-11.287	-0.0137	-2.5 to 2.5	Pass
				10	120	-9.799	-0.0119	-2.5 to 2.5	Pass
				30	120	-2.317	-0.0028	-2.5 to 2.5	Pass
				40	120	-6.895	-0.0084	-2.5 to 2.5	Pass
				50	120	-2.646	-0.0032	-2.5 to 2.5	Pass

2.1.2 B26a_3MHz

Band: 26a / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	815.5	15	0	20	102	-6.194	-0.0076	-2.5 to 2.5	Pass
					120	-8.011	-0.0098	-2.5 to 2.5	Pass
					138	-11.058	-0.0136	-2.5 to 2.5	Pass
				-30	120	-6.580	-0.0081	-2.5 to 2.5	Pass
				-20	120	-4.578	-0.0056	-2.5 to 2.5	Pass
				-10	120	-8.311	-0.0102	-2.5 to 2.5	Pass
				0	120	-5.779	-0.0071	-2.5 to 2.5	Pass
				10	120	-5.150	-0.0063	-2.5 to 2.5	Pass
				30	120	-5.164	-0.0063	-2.5 to 2.5	Pass
				40	120	-6.824	-0.0084	-2.5 to 2.5	Pass
	819	15	0	20	102	-5.608	-0.0068	-2.5 to 2.5	Pass
					120	-6.037	-0.0074	-2.5 to 2.5	Pass
					138	-5.307	-0.0065	-2.5 to 2.5	Pass
				-30	120	-7.396	-0.0090	-2.5 to 2.5	Pass
				-20	120	-3.176	-0.0039	-2.5 to 2.5	Pass
				-10	120	-3.834	-0.0047	-2.5 to 2.5	Pass
				0	120	-6.480	-0.0079	-2.5 to 2.5	Pass
				10	120	-6.008	-0.0073	-2.5 to 2.5	Pass
				30	120	-4.478	-0.0055	-2.5 to 2.5	Pass
				40	120	-6.051	-0.0074	-2.5 to 2.5	Pass
	822.5	15	0	20	102	-6.022	-0.0074	-2.5 to 2.5	Pass
					120	-3.276	-0.0040	-2.5 to 2.5	Pass
					138	-6.638	-0.0081	-2.5 to 2.5	Pass
				-30	120	-4.005	-0.0049	-2.5 to 2.5	Pass
				-20	120	-10.142	-0.0123	-2.5 to 2.5	Pass
				-10	120	-6.065	-0.0074	-2.5 to 2.5	Pass
				0	120	-5.450	-0.0066	-2.5 to 2.5	Pass
				10	120	-7.339	-0.0089	-2.5 to 2.5	Pass
				30	120	-5.407	-0.0066	-2.5 to 2.5	Pass
				40	120	-9.341	-0.0114	-2.5 to 2.5	Pass
16QAM	815.5	15	0	20	102	-9.255	-0.0113	-2.5 to 2.5	Pass
					120	-6.309	-0.0077	-2.5 to 2.5	Pass
					138	-9.313	-0.0114	-2.5 to 2.5	Pass
	815.5	15	0	20	102	-8.798	-0.0108	-2.5 to 2.5	Pass
					120	-9.313	-0.0114	-2.5 to 2.5	Pass
					138	-6.738	-0.0083	-2.5 to 2.5	Pass

				-30	120	-7.167	-0.0088	-2.5 to 2.5	Pass
				-20	120	-7.954	-0.0098	-2.5 to 2.5	Pass
				-10	120	-4.106	-0.0050	-2.5 to 2.5	Pass
				0	120	-6.051	-0.0074	-2.5 to 2.5	Pass
				10	120	-7.725	-0.0095	-2.5 to 2.5	Pass
				30	120	-0.658	-0.0008	-2.5 to 2.5	Pass
				40	120	-2.089	-0.0026	-2.5 to 2.5	Pass
				50	120	-6.166	-0.0076	-2.5 to 2.5	Pass
	819	15	0	20	102	-7.324	-0.0089	-2.5 to 2.5	Pass
					120	-5.493	-0.0067	-2.5 to 2.5	Pass
					138	-2.604	-0.0032	-2.5 to 2.5	Pass
				-30	120	-9.556	-0.0117	-2.5 to 2.5	Pass
				-20	120	-8.311	-0.0101	-2.5 to 2.5	Pass
				-10	120	-8.526	-0.0104	-2.5 to 2.5	Pass
				0	120	-7.038	-0.0086	-2.5 to 2.5	Pass
				10	120	-3.834	-0.0047	-2.5 to 2.5	Pass
				30	120	-5.522	-0.0067	-2.5 to 2.5	Pass
				40	120	-10.829	-0.0132	-2.5 to 2.5	Pass
				50	120	-5.665	-0.0069	-2.5 to 2.5	Pass
	822.5	15	0	20	102	-3.576	-0.0043	-2.5 to 2.5	Pass
					120	-12.646	-0.0154	-2.5 to 2.5	Pass
					138	-9.913	-0.0121	-2.5 to 2.5	Pass
				-30	120	-5.651	-0.0069	-2.5 to 2.5	Pass
				-20	120	-9.427	-0.0115	-2.5 to 2.5	Pass
				-10	120	-5.436	-0.0066	-2.5 to 2.5	Pass
				0	120	-6.995	-0.0085	-2.5 to 2.5	Pass
				10	120	-8.368	-0.0102	-2.5 to 2.5	Pass
				30	120	-6.266	-0.0076	-2.5 to 2.5	Pass
				40	120	-12.674	-0.0154	-2.5 to 2.5	Pass
				50	120	-0.587	-0.0007	-2.5 to 2.5	Pass

2.1.3 B26a_5MHz

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	102	-6.251	-0.0077	-2.5 to 2.5	Pass
					120	-8.197	-0.0100	-2.5 to 2.5	Pass
					138	-5.794	-0.0071	-2.5 to 2.5	Pass
				-30	120	-4.463	-0.0055	-2.5 to 2.5	Pass
				-20	120	-5.121	-0.0063	-2.5 to 2.5	Pass
				-10	120	-7.710	-0.0094	-2.5 to 2.5	Pass
				0	120	-4.492	-0.0055	-2.5 to 2.5	Pass
				10	120	-8.841	-0.0108	-2.5 to 2.5	Pass
				30	120	-7.324	-0.0090	-2.5 to 2.5	Pass
				40	120	-7.753	-0.0095	-2.5 to 2.5	Pass
				50	120	-5.593	-0.0068	-2.5 to 2.5	Pass
	819	25	0	20	102	-8.183	-0.0100	-2.5 to 2.5	Pass
					120	-4.506	-0.0055	-2.5 to 2.5	Pass
					138	-2.046	-0.0025	-2.5 to 2.5	Pass
				-30	120	-2.375	-0.0029	-2.5 to 2.5	Pass
				-20	120	-1.860	-0.0023	-2.5 to 2.5	Pass
				-10	120	-2.089	-0.0026	-2.5 to 2.5	Pass
				0	120	-4.220	-0.0052	-2.5 to 2.5	Pass
				10	120	-8.025	-0.0098	-2.5 to 2.5	Pass
				30	120	-10.242	-0.0125	-2.5 to 2.5	Pass
				40	120	-5.264	-0.0064	-2.5 to 2.5	Pass
				50	120	-5.751	-0.0070	-2.5 to 2.5	Pass

	821.5	25	0	20	102	-6.866	-0.0084	-2.5 to 2.5	Pass
					120	-4.506	-0.0055	-2.5 to 2.5	Pass
					138	-3.390	-0.0041	-2.5 to 2.5	Pass
				-30	120	-8.297	-0.0101	-2.5 to 2.5	Pass
				-20	120	-4.420	-0.0054	-2.5 to 2.5	Pass
				-10	120	-7.281	-0.0089	-2.5 to 2.5	Pass
				0	120	-5.865	-0.0071	-2.5 to 2.5	Pass
				10	120	-5.665	-0.0069	-2.5 to 2.5	Pass
				30	120	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	120	-7.038	-0.0086	-2.5 to 2.5	Pass
				50	120	-6.566	-0.0080	-2.5 to 2.5	Pass
16QAM	816.5	25	0	20	102	-4.935	-0.0060	-2.5 to 2.5	Pass
					120	-2.217	-0.0027	-2.5 to 2.5	Pass
					138	-9.341	-0.0114	-2.5 to 2.5	Pass
				-30	120	-4.377	-0.0054	-2.5 to 2.5	Pass
				-20	120	-2.933	-0.0036	-2.5 to 2.5	Pass
				-10	120	-4.549	-0.0056	-2.5 to 2.5	Pass
				0	120	-5.751	-0.0070	-2.5 to 2.5	Pass
				10	120	-6.909	-0.0085	-2.5 to 2.5	Pass
				30	120	-6.237	-0.0076	-2.5 to 2.5	Pass
				40	120	-3.748	-0.0046	-2.5 to 2.5	Pass
				50	120	-8.798	-0.0108	-2.5 to 2.5	Pass
	819	25	0	20	102	-7.896	-0.0096	-2.5 to 2.5	Pass
					120	-5.836	-0.0071	-2.5 to 2.5	Pass
					138	-4.950	-0.0060	-2.5 to 2.5	Pass
				-30	120	-5.665	-0.0069	-2.5 to 2.5	Pass
				-20	120	-2.618	-0.0032	-2.5 to 2.5	Pass
				-10	120	-6.580	-0.0080	-2.5 to 2.5	Pass
				0	120	-7.782	-0.0095	-2.5 to 2.5	Pass
				10	120	-2.518	-0.0031	-2.5 to 2.5	Pass
				30	120	-5.665	-0.0069	-2.5 to 2.5	Pass
				40	120	-2.789	-0.0034	-2.5 to 2.5	Pass
				50	120	-1.659	-0.0020	-2.5 to 2.5	Pass
	821.5	25	0	20	102	-4.005	-0.0049	-2.5 to 2.5	Pass
					120	-5.665	-0.0069	-2.5 to 2.5	Pass
					138	-5.579	-0.0068	-2.5 to 2.5	Pass
				-30	120	-6.051	-0.0074	-2.5 to 2.5	Pass
				-20	120	-7.439	-0.0091	-2.5 to 2.5	Pass
				-10	120	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	120	-5.622	-0.0068	-2.5 to 2.5	Pass
				10	120	-2.046	-0.0025	-2.5 to 2.5	Pass
				30	120	-5.836	-0.0071	-2.5 to 2.5	Pass
				40	120	-10.686	-0.0130	-2.5 to 2.5	Pass
				50	120	-4.506	-0.0055	-2.5 to 2.5	Pass

2.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	102	-9.685	-0.0118	-2.5 to 2.5	Pass
					120	-7.381	-0.0090	-2.5 to 2.5	Pass
					138	-6.323	-0.0077	-2.5 to 2.5	Pass
				-30	120	-7.110	-0.0087	-2.5 to 2.5	Pass
				-20	120	-5.679	-0.0069	-2.5 to 2.5	Pass
				-10	120	-3.834	-0.0047	-2.5 to 2.5	Pass
				0	120	-5.865	-0.0072	-2.5 to 2.5	Pass
				10	120	-4.048	-0.0049	-2.5 to 2.5	Pass

				30	120	-5.550	-0.0068	-2.5 to 2.5	Pass
				40	120	-6.251	-0.0076	-2.5 to 2.5	Pass
				50	120	-5.865	-0.0072	-2.5 to 2.5	Pass
16QAM	819	50	0	20	102	-6.580	-0.0080	-2.5 to 2.5	Pass
					120	-4.606	-0.0056	-2.5 to 2.5	Pass
					138	-6.466	-0.0079	-2.5 to 2.5	Pass
				-30	120	-5.021	-0.0061	-2.5 to 2.5	Pass
				-20	120	-4.635	-0.0057	-2.5 to 2.5	Pass
				-10	120	-5.937	-0.0072	-2.5 to 2.5	Pass
				0	120	-7.124	-0.0087	-2.5 to 2.5	Pass
				10	120	-5.064	-0.0062	-2.5 to 2.5	Pass
				30	120	-5.450	-0.0067	-2.5 to 2.5	Pass
				40	120	-2.789	-0.0034	-2.5 to 2.5	Pass
				50	120	-7.696	-0.0094	-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

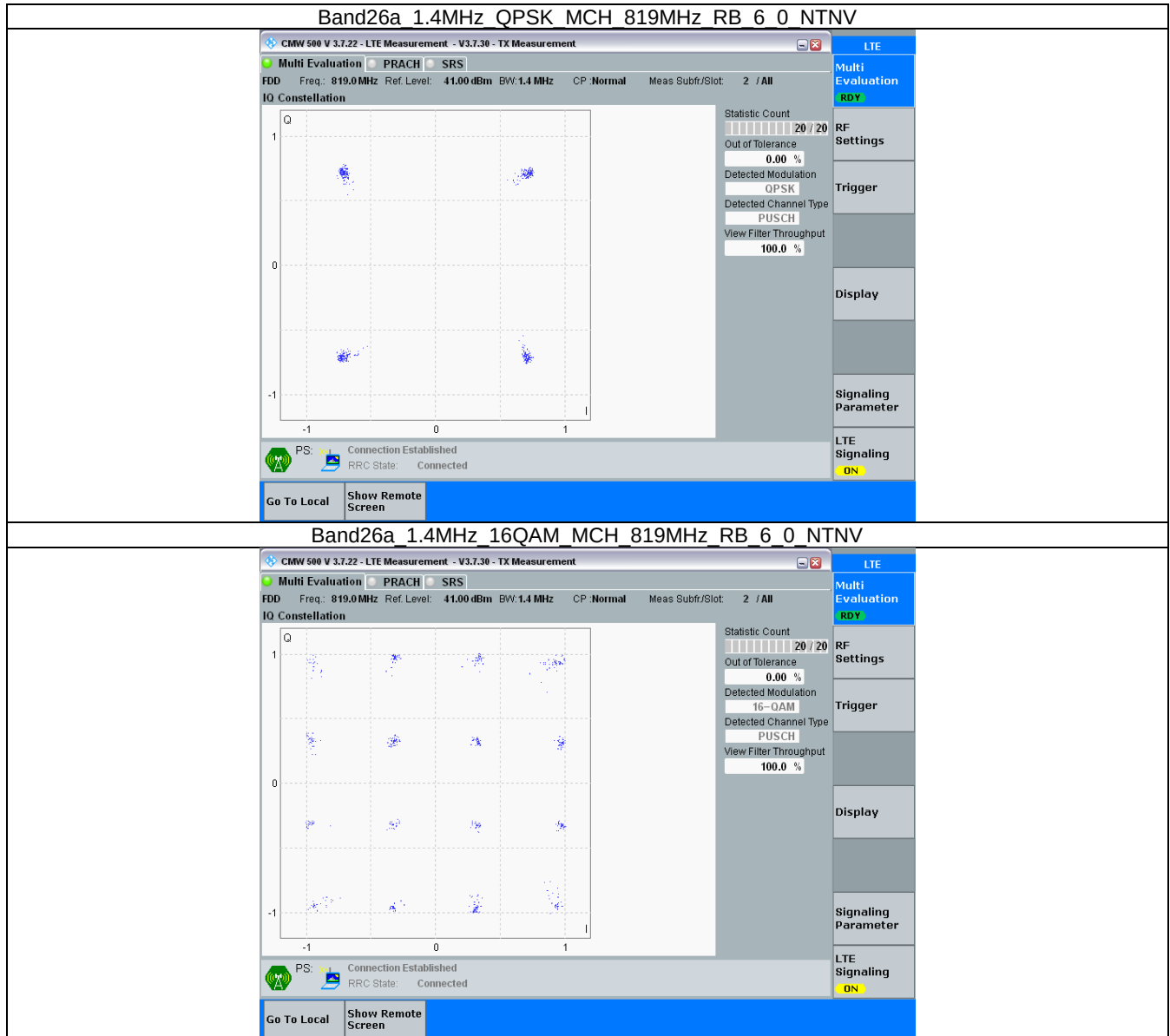
Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	25	0	Refer To Test Graph		Pass
16QAM	819	25	0	Refer To Test Graph		Pass

3.1.4 B26a_10MHz

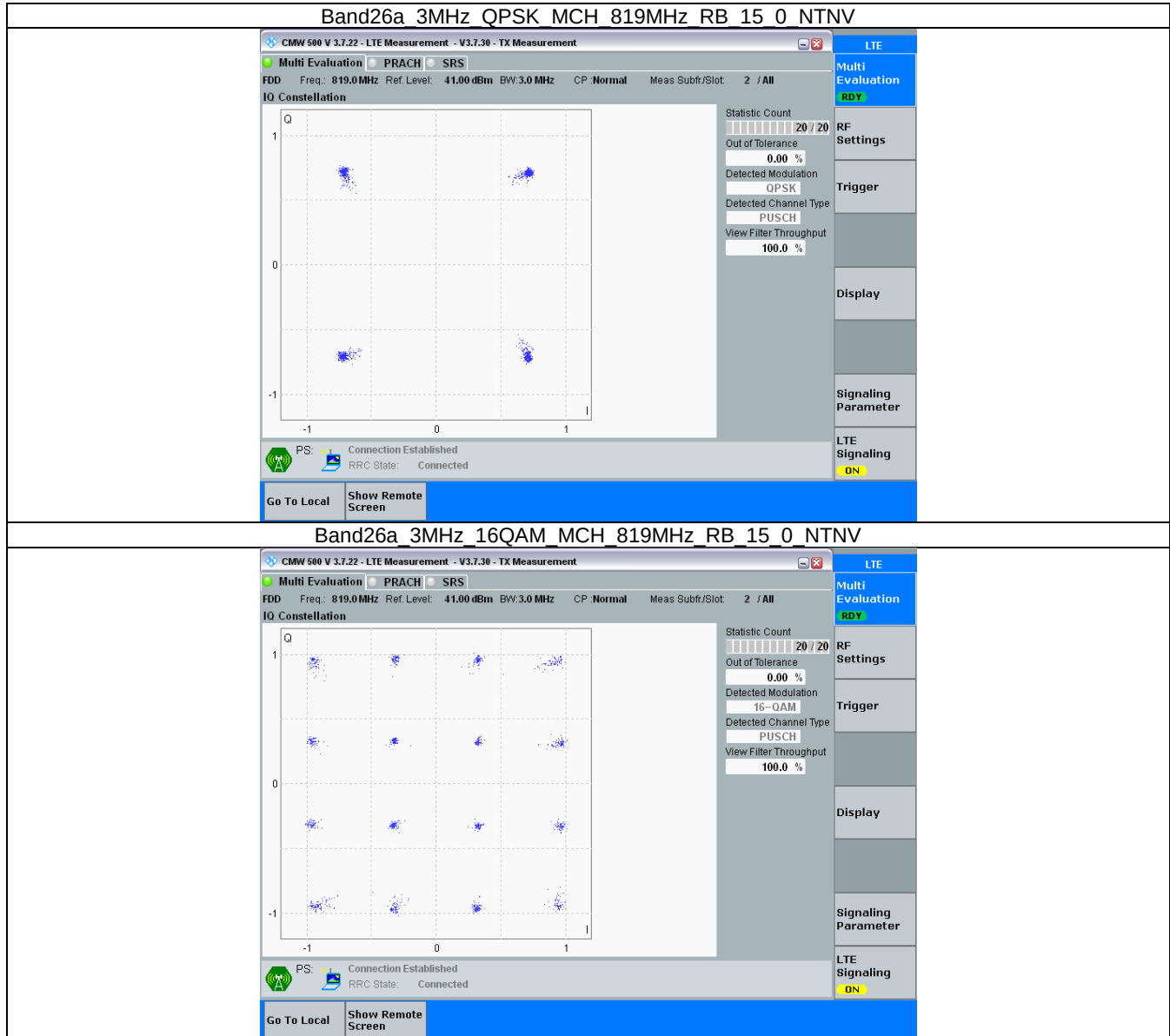
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	Refer To Test Graph		Pass
16QAM	819	50	0	Refer To Test Graph		Pass

3.2 Test Graph

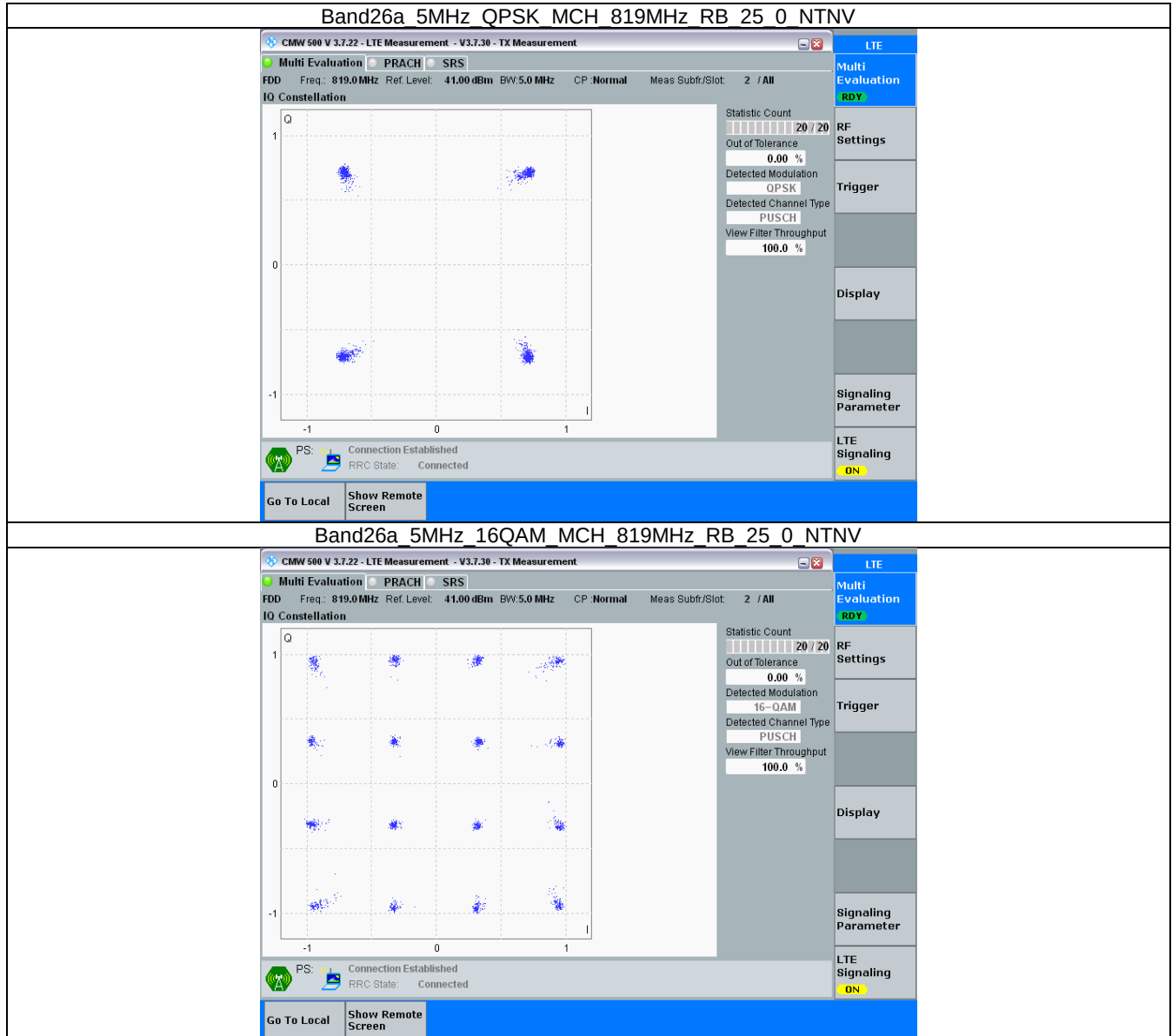
3.2.1 B26a_1.4MHz



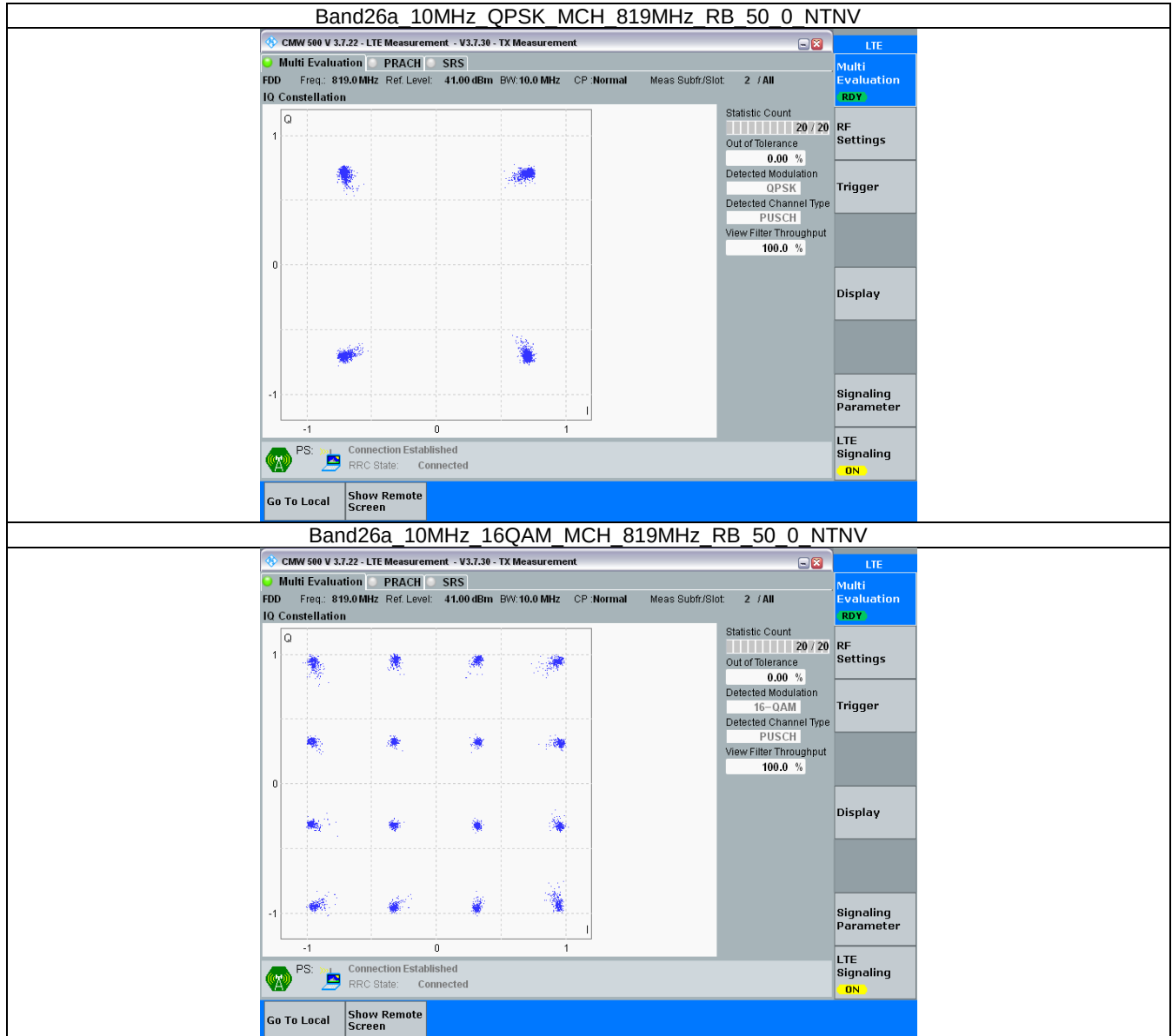
3.2.2 B26a_3MHz



3.2.3 B26a_5MHz



3.2.4 B26a_10MHz



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	1.130	/	Pass
		819	6	0	1.128	/	Pass
		823.3	6	0	1.114	/	Pass
	16QAM	814.7	6	0	1.120	/	Pass
		819	6	0	1.121	/	Pass
		823.3	6	0	1.110	/	Pass
3	QPSK	815.5	15	0	2.753	/	Pass
		819	15	0	2.763	/	Pass
		822.5	15	0	2.733	/	Pass
	16QAM	815.5	15	0	2.750	/	Pass
		819	15	0	2.747	/	Pass
		822.5	15	0	2.747	/	Pass
5	QPSK	816.5	25	0	4.571	/	Pass
		819	25	0	4.564	/	Pass
		821.5	25	0	4.564	/	Pass
	16QAM	816.5	25	0	4.582	/	Pass
		819	25	0	4.596	/	Pass
		821.5	25	0	4.555	/	Pass
10	QPSK	819	50	0	9.083	/	Pass
	16QAM	819	50	0	9.056	/	Pass

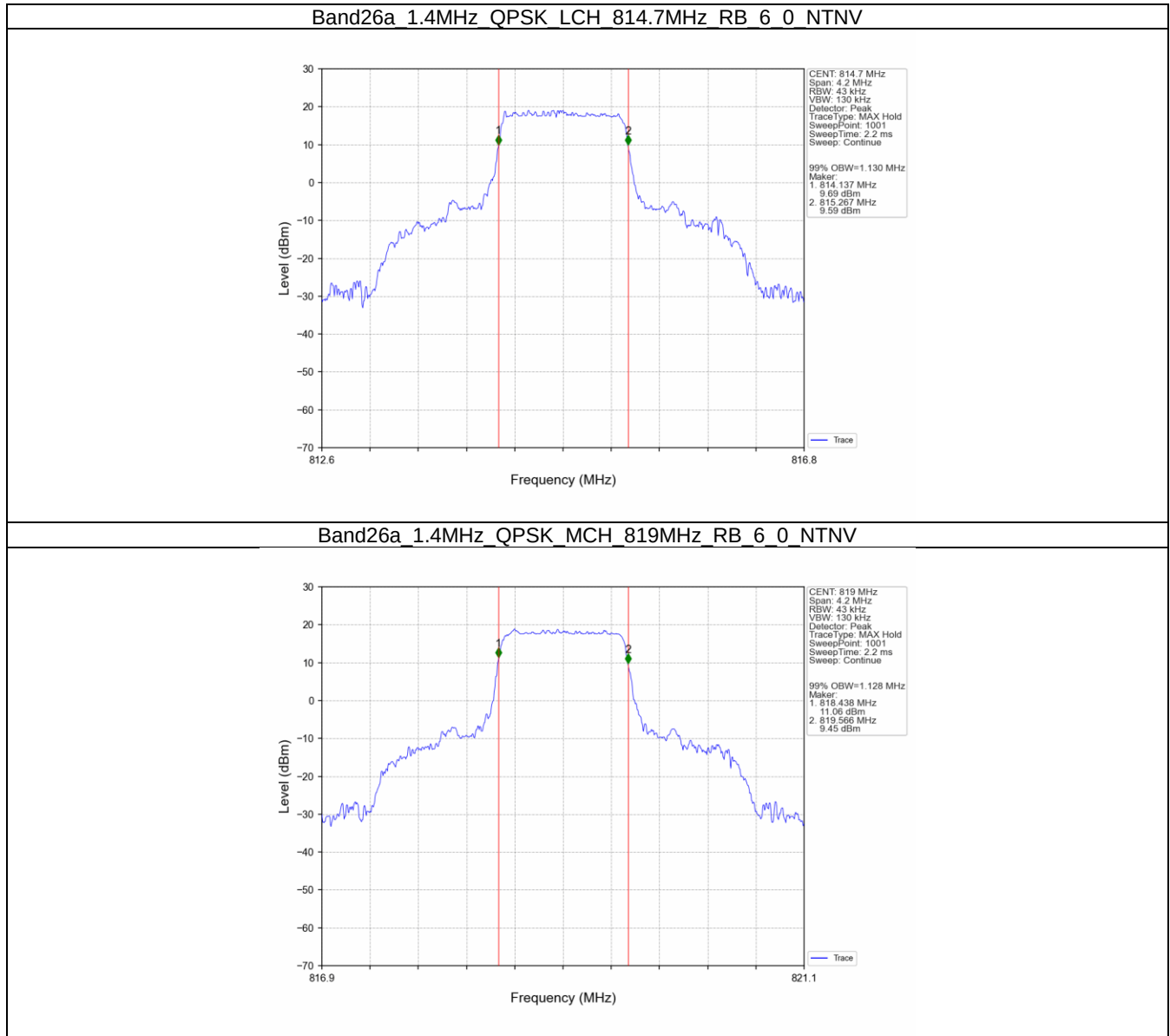
4.1.2 Band26a_XDB

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	2.004	/	Pass
		819	6	0	1.694	/	Pass
		823.3	6	0	1.327	/	Pass
	16QAM	814.7	6	0	1.464	/	Pass
		819	6	0	1.331	/	Pass
		823.3	6	0	1.324	/	Pass
3	QPSK	815.5	15	0	3.362	/	Pass
		819	15	0	3.038	/	Pass
		822.5	15	0	3.037	/	Pass
	16QAM	815.5	15	0	3.414	/	Pass
		819	15	0	3.261	/	Pass
		822.5	15	0	3.053	/	Pass
5	QPSK	816.5	25	0	6.122	/	Pass
		819	25	0	5.094	/	Pass
		821.5	25	0	5.041	/	Pass
	16QAM	816.5	25	0	7.332	/	Pass
		819	25	0	5.056	/	Pass
		821.5	25	0	5.055	/	Pass
10	QPSK	819	50	0	9.965	/	Pass
	16QAM	819	50	0	9.939	/	Pass

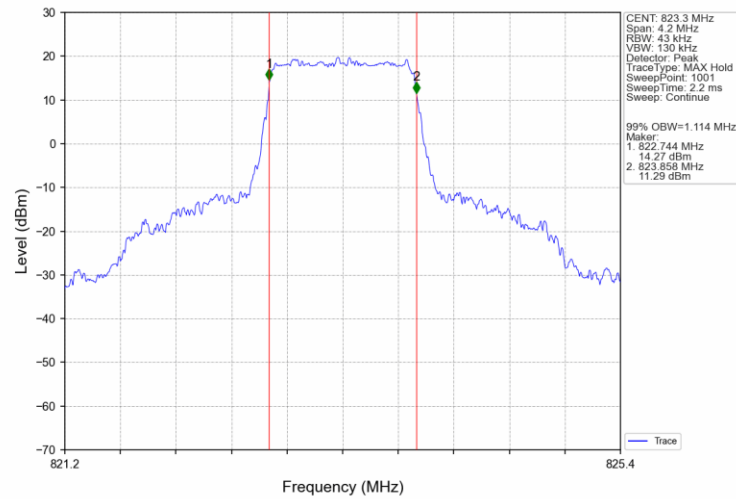


4.2 Test Graph

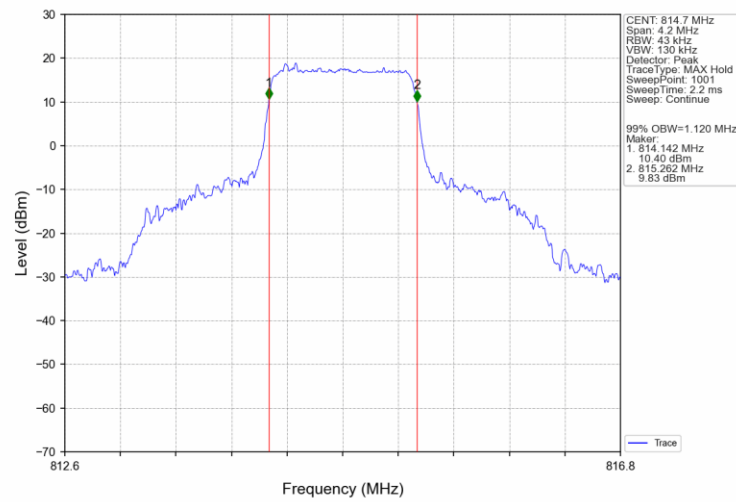
4.2.1 Band26a_OBW



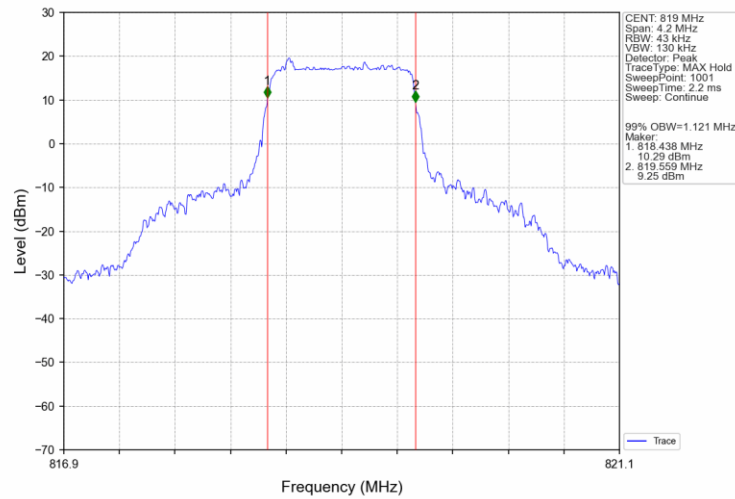
Band26a 1.4MHz QPSK HCH 823.3MHz RB 6 0 NTNV



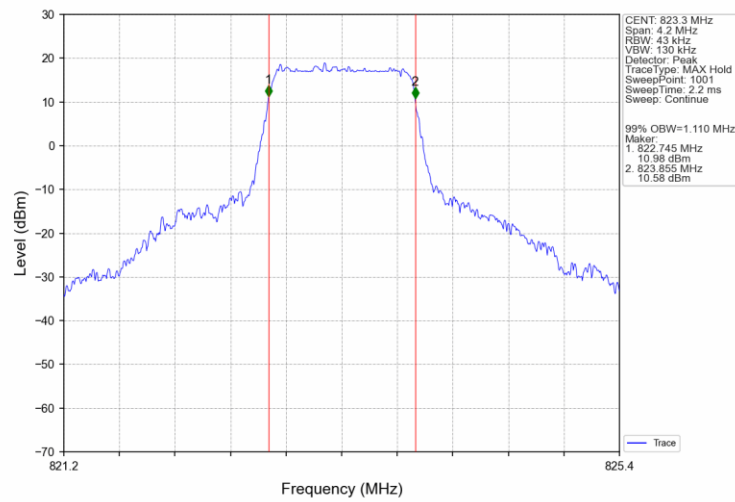
Band26a 1.4MHz 16QAM LCH 814.7MHz RB 6 0 NTNV



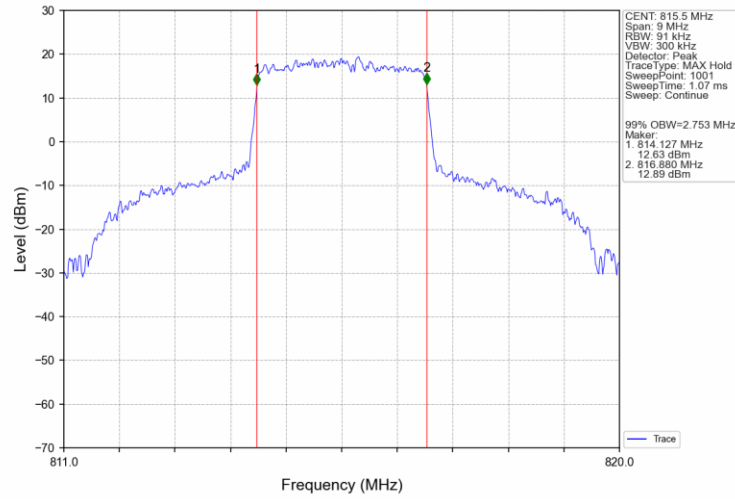
Band26a 1.4MHz 16QAM MCH 819MHz RB 6 0 NTN



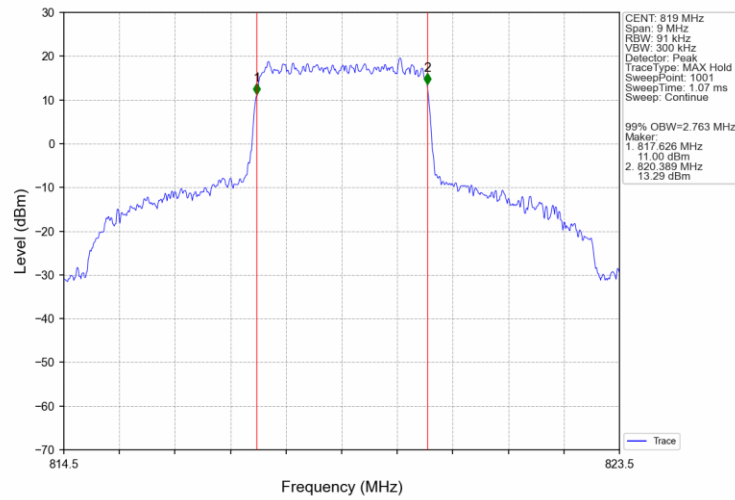
Band26a 1.4MHz 16QAM HCH 823.3MHz RB 6 0 NTN



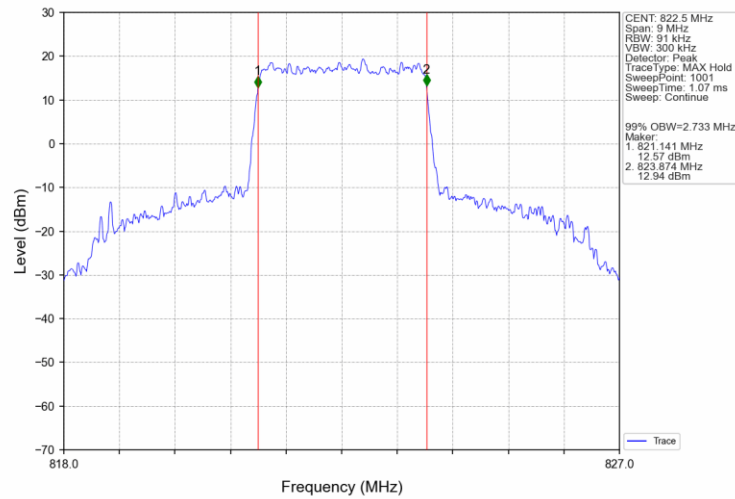
Band26a 3MHz QPSK LCH 815.5MHz RB 15 0 NTV



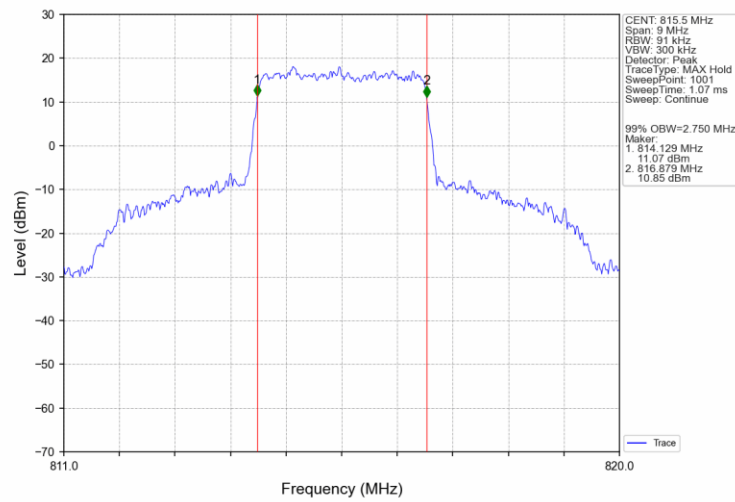
Band26a 3MHz QPSK MCH 819MHz RB 15 0 NTV



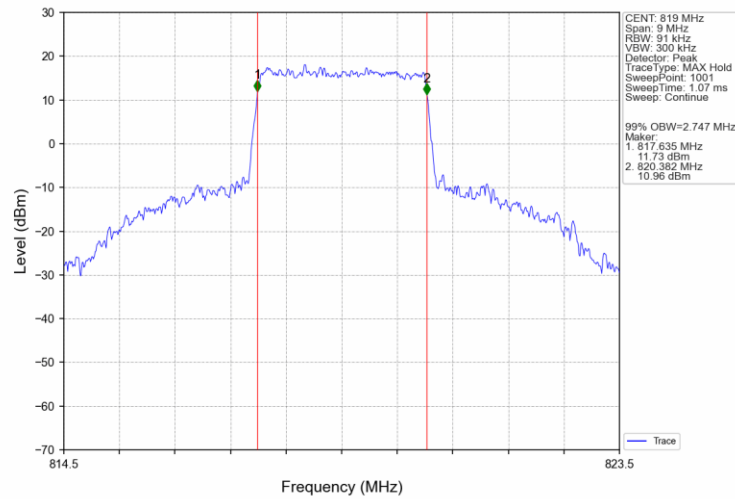
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



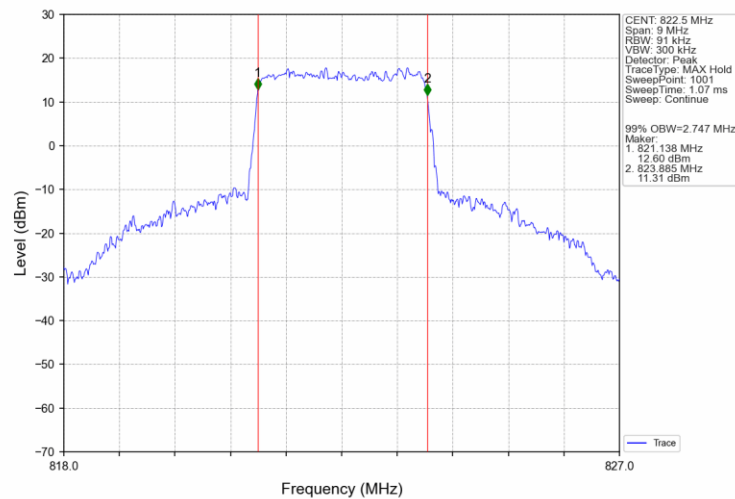
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



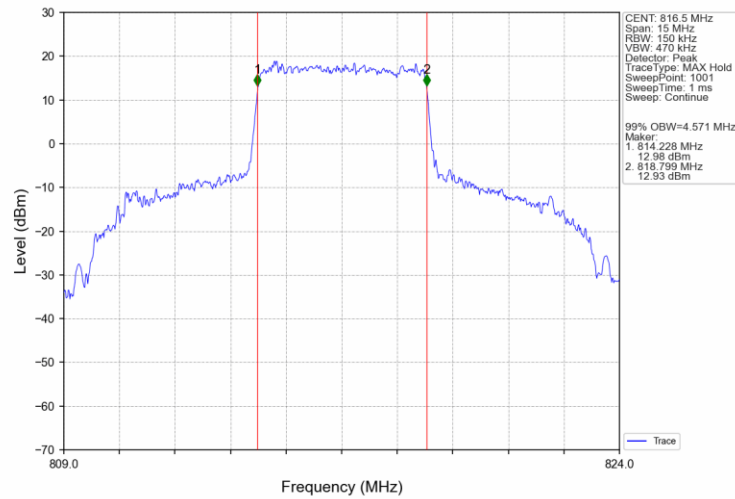
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



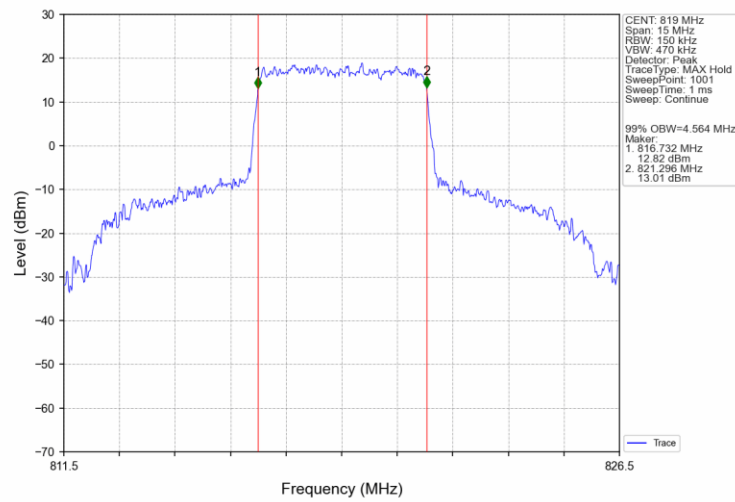
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



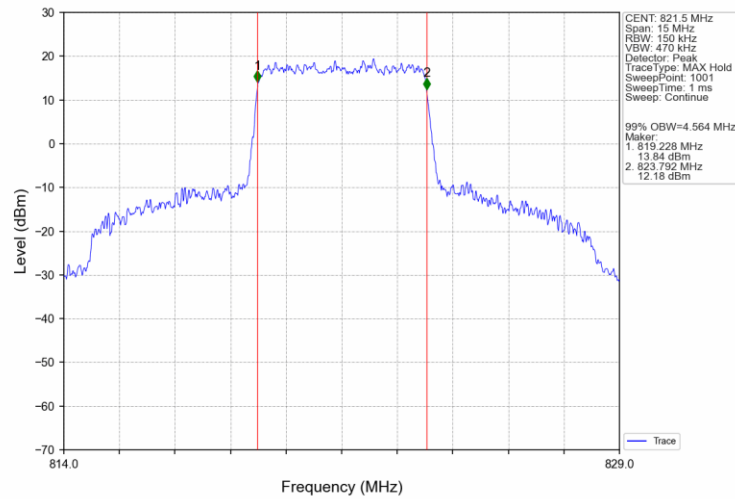
Band26a 5MHz QPSK LCH 816.5MHz RB 25 0 NTV



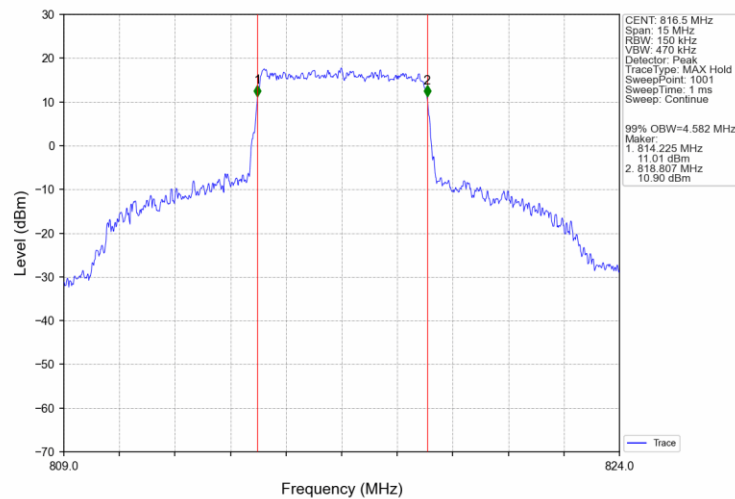
Band26a 5MHz QPSK MCH 819MHz RB 25 0 NTV



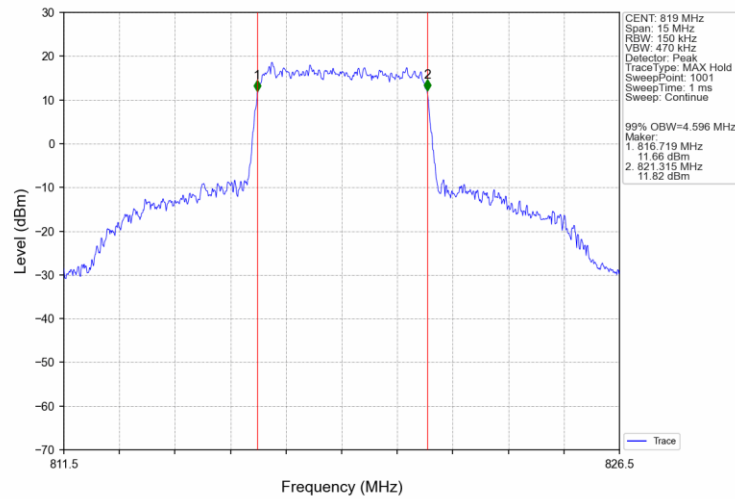
Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTNV



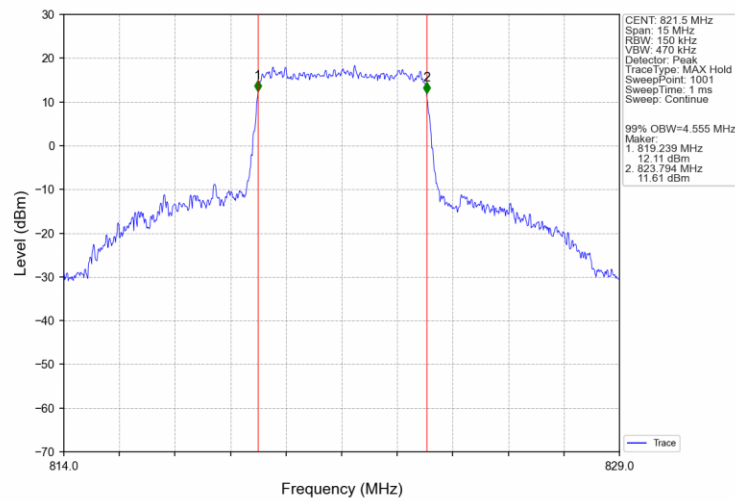
Band26a 5MHz 16QAM LCH 816.5MHz RB 25 0 NTNV



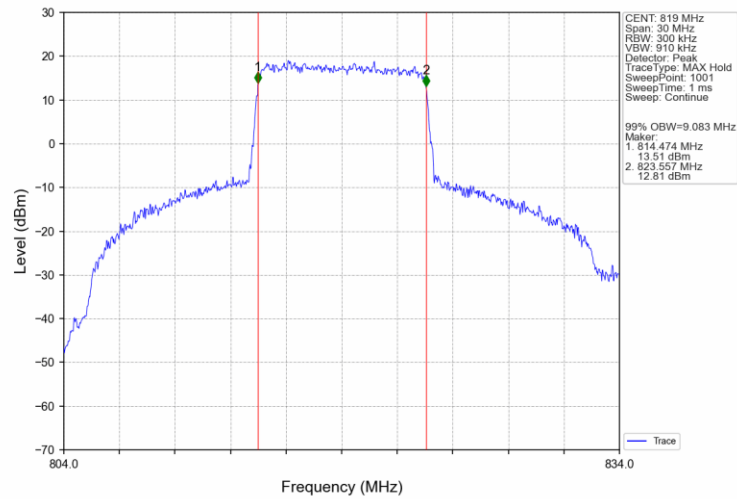
Band26a 5MHz 16QAM MCH 819MHz RB 25 0 NTNV



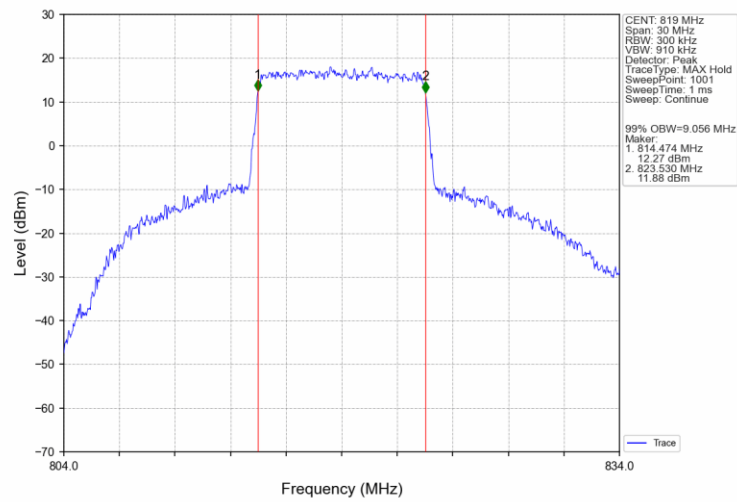
Band26a 5MHz 16QAM HCH 821.5MHz RB 25 0 NTNV



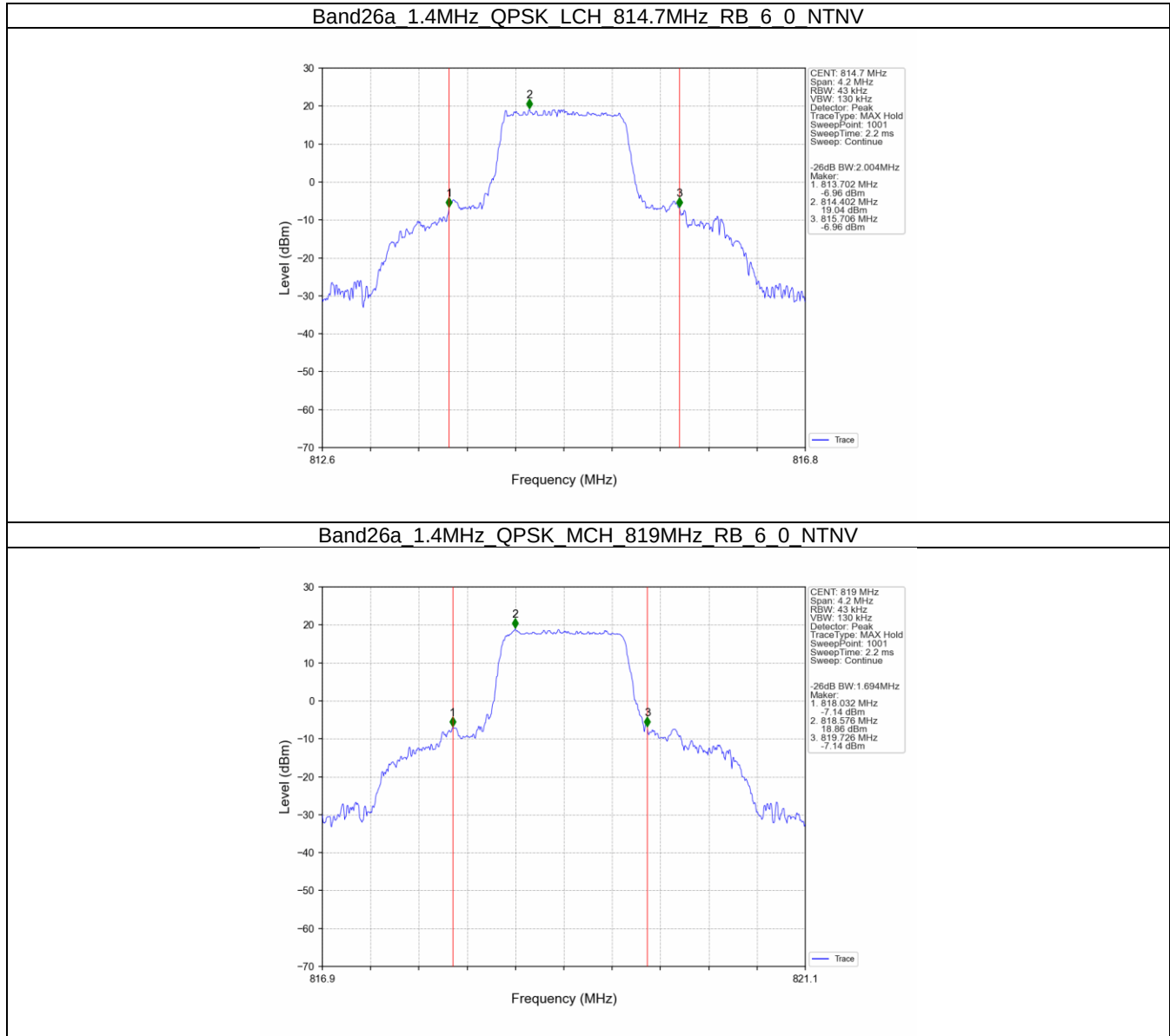
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



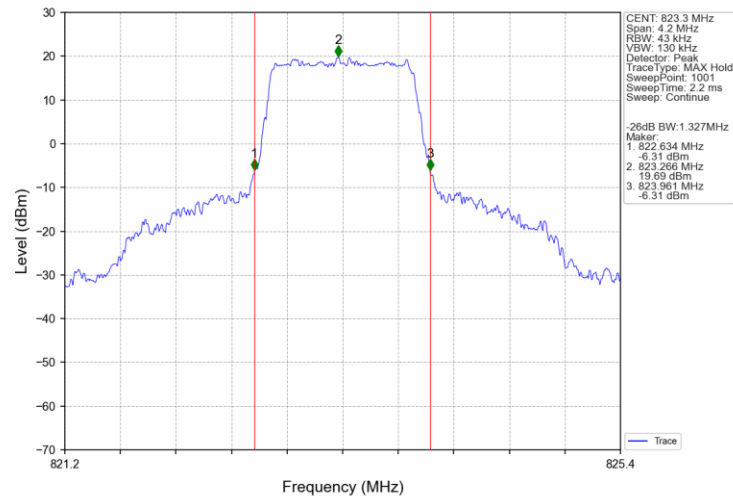
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



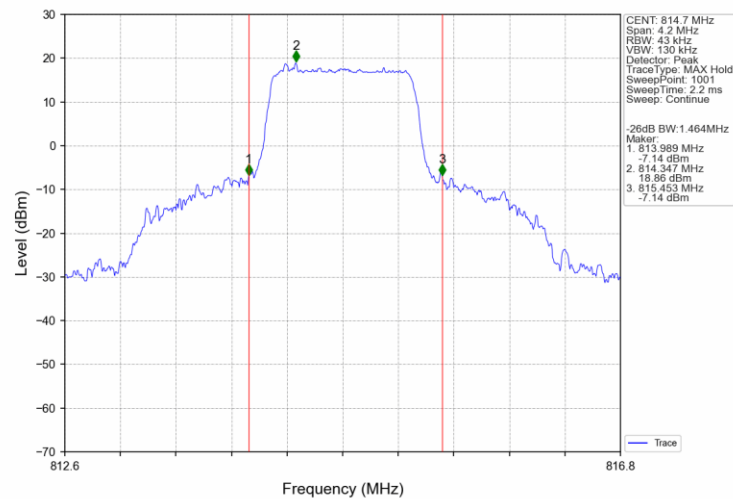
4.2.2 Band26a_XDB



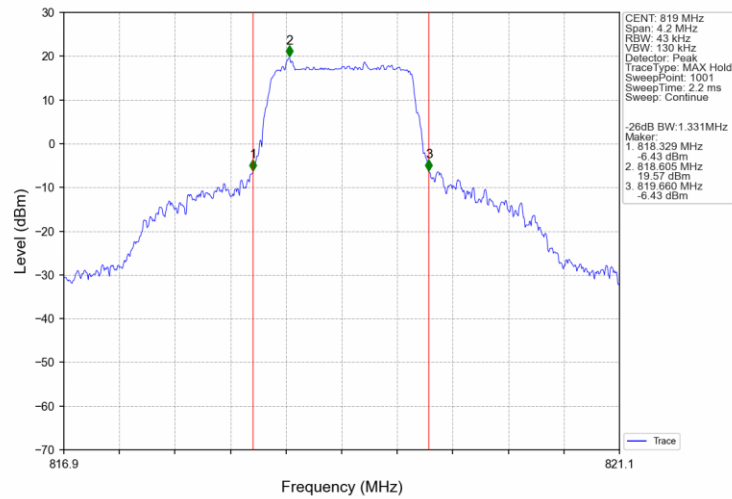
Band26a 1.4MHz QPSK HCH 823.3MHz RB 6 0 NTN



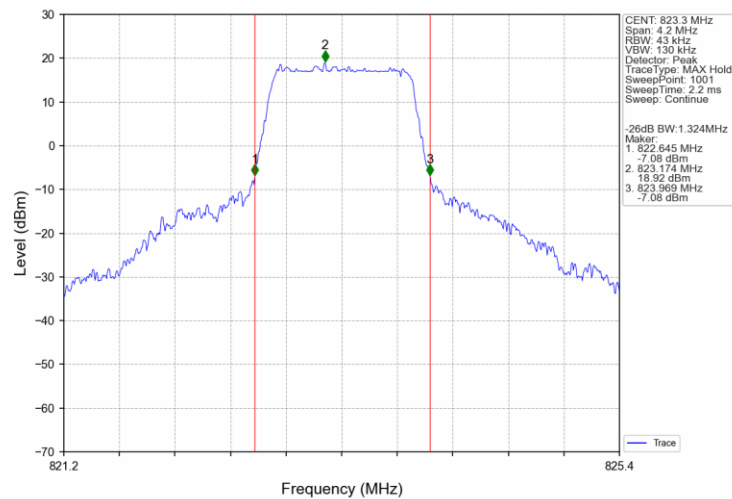
Band26a 1.4MHz 16QAM LCH 814.7MHz RB 6 0 NTN



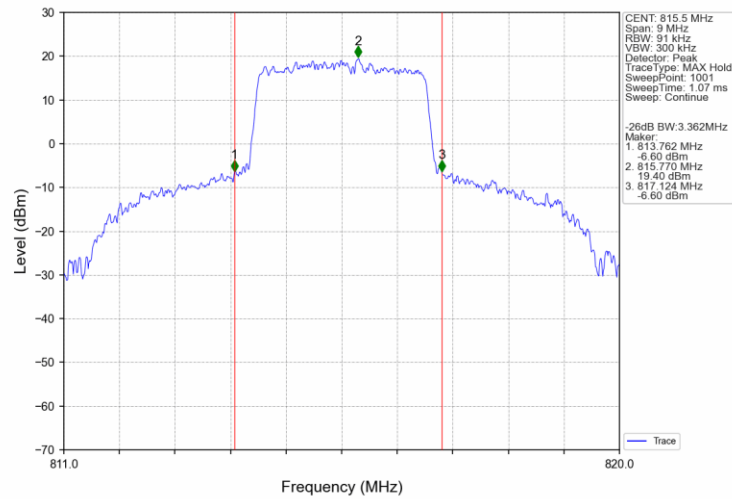
Band26a 1.4MHz 16QAM MCH 819MHz RB 6 0 NTNV



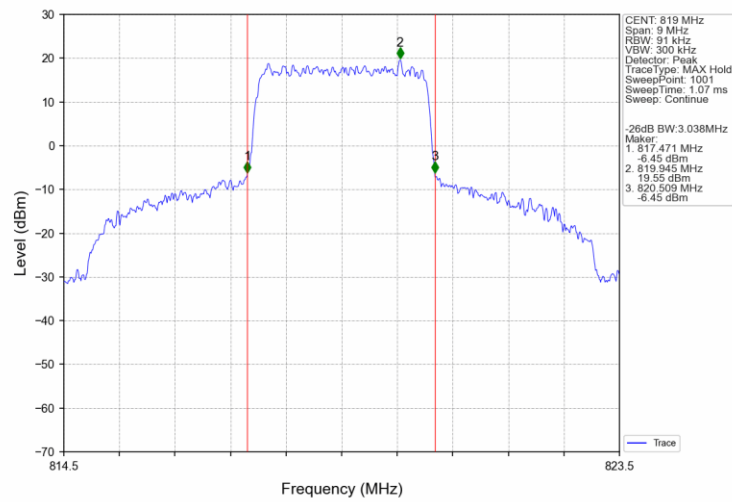
Band26a 1.4MHz 16QAM HCH 823.3MHz RB 6 0 NTNV



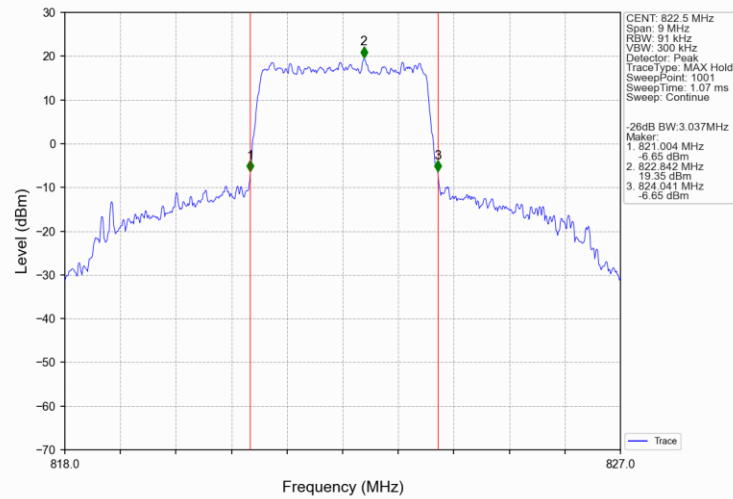
Band26a 3MHz QPSK LCH 815.5MHz RB 15 0 NTV



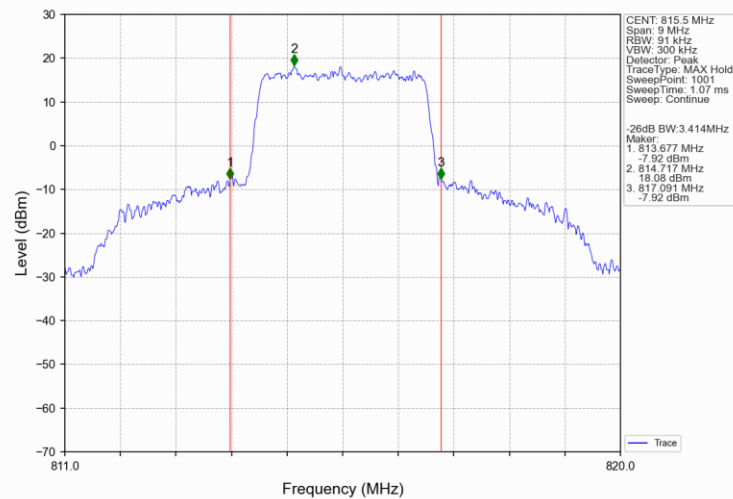
Band26a 3MHz QPSK MCH 819MHz RB 15 0 NTV



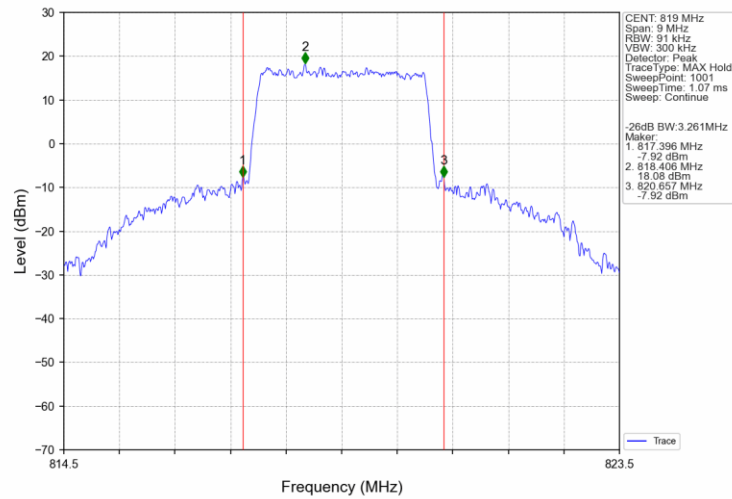
Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTNV



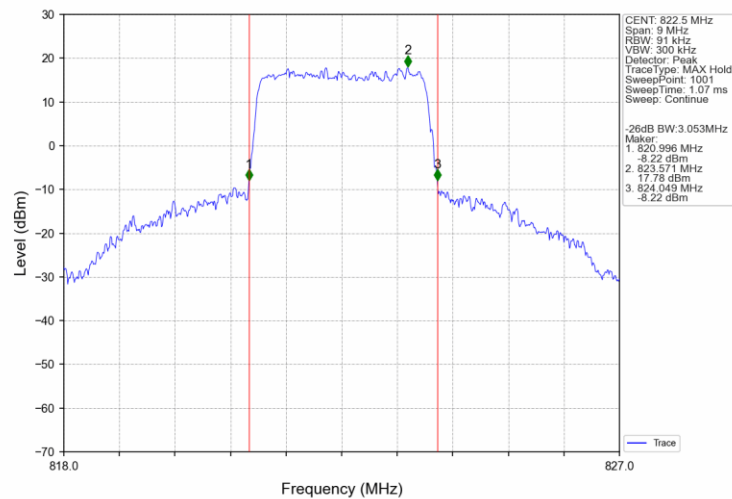
Band26a 3MHz 16QAM LCH 815.5MHz RB 15 0 NTNV



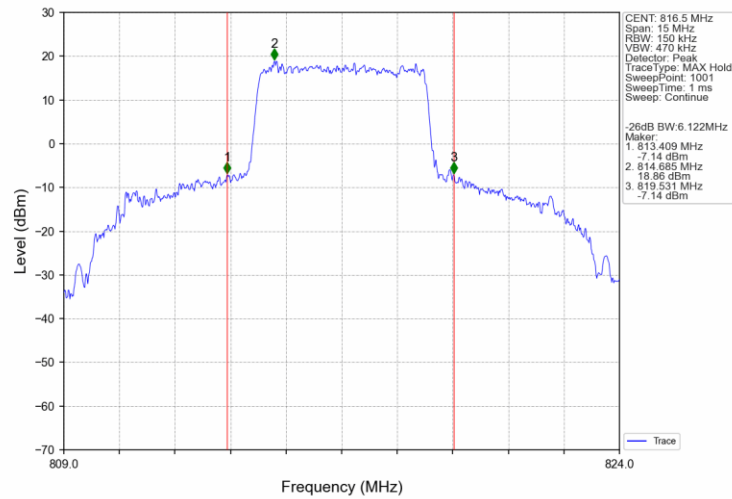
Band26a 3MHz 16QAM MCH 819MHz RB 15 0 NTNV



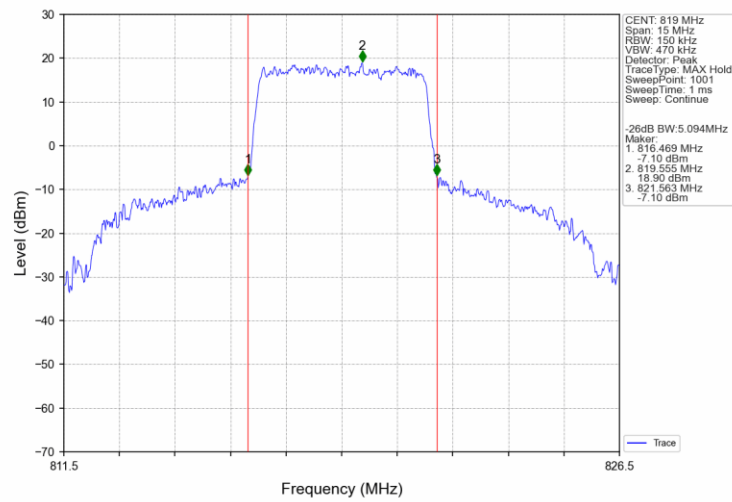
Band26a 3MHz 16QAM HCH 822.5MHz RB 15 0 NTNV



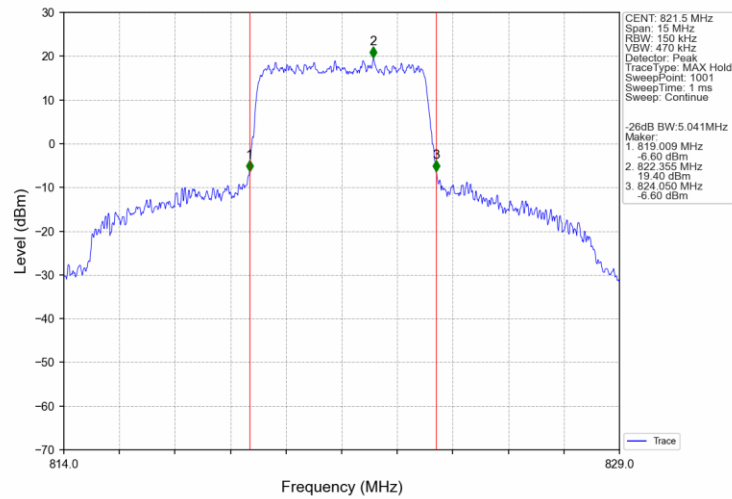
Band26a 5MHz QPSK LCH 816.5MHz RB 25 0 NTV



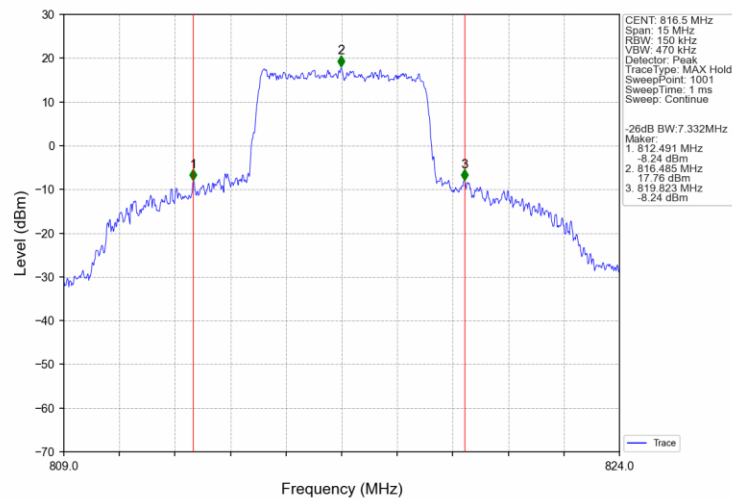
Band26a 5MHz QPSK MCH 819MHz RB 25 0 NTV



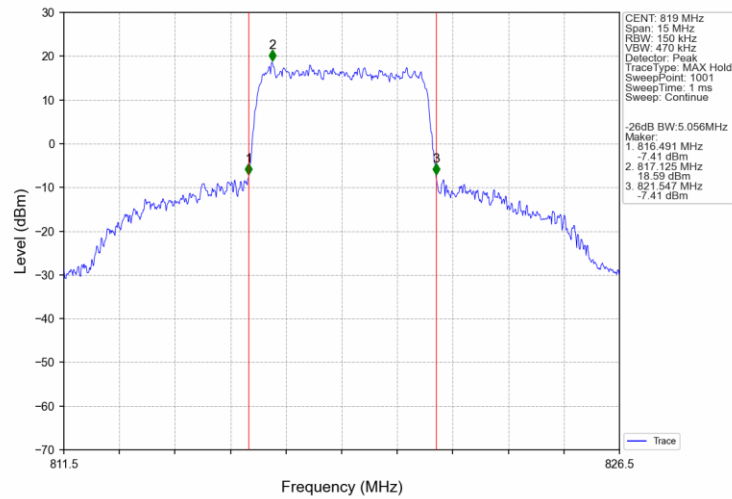
Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTNV



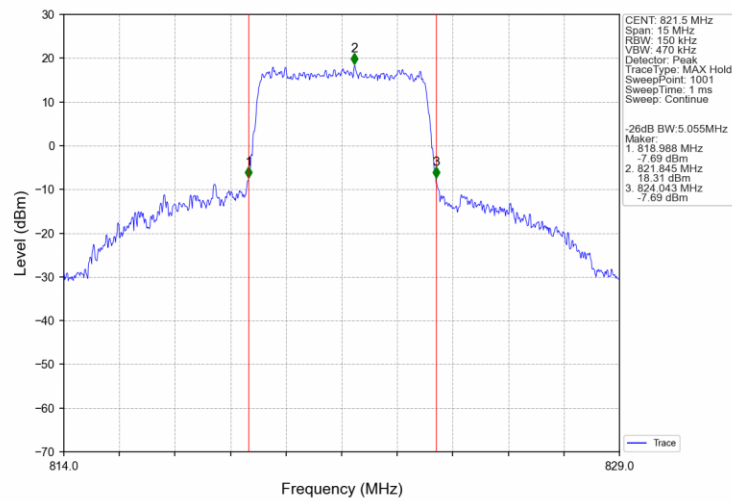
Band26a 5MHz 16QAM LCH 816.5MHz RB 25 0 NTNV



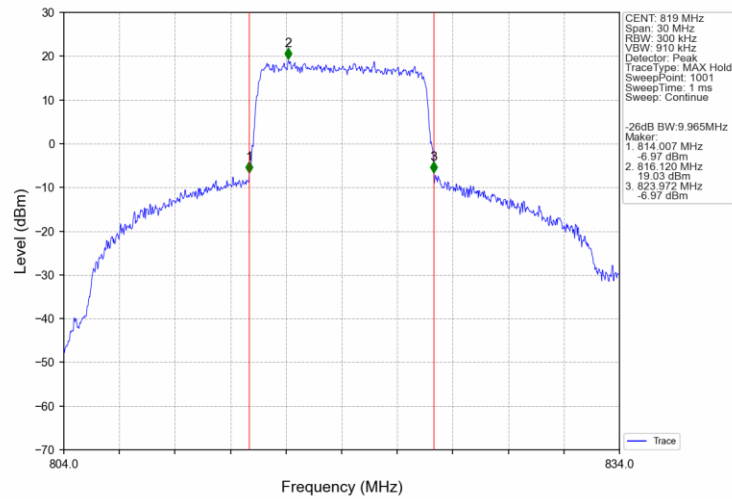
Band26a 5MHz 16QAM MCH 819MHz RB 25 0 NTNV



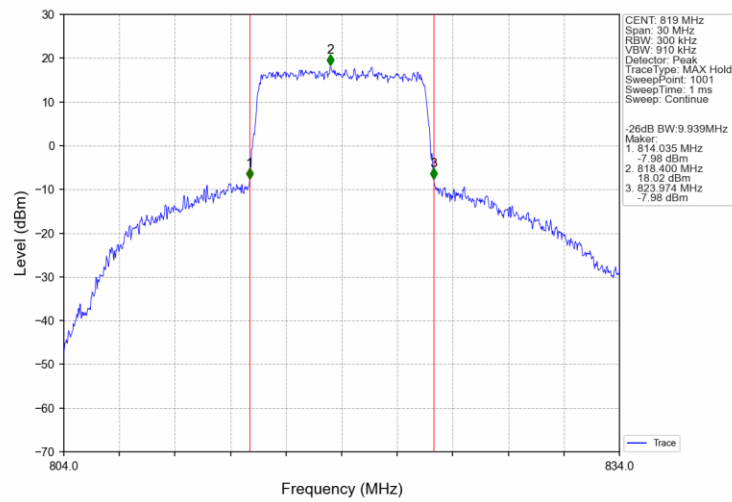
Band26a 5MHz 16QAM HCH 821.5MHz RB 25 0 NTNV



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	3.10	<=13	Pass
	819	6	0	3.43	<=13	Pass
	823.3	6	0	3.99	<=13	Pass
16QAM	814.7	6	0	3.91	<=13	Pass
	819	6	0	4.25	<=13	Pass
	823.3	6	0	4.79	<=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	3.22	<=13	Pass
	819	15	0	3.61	<=13	Pass
	822.5	15	0	4.11	<=13	Pass
16QAM	815.5	15	0	4.01	<=13	Pass
	819	15	0	4.42	<=13	Pass
	822.5	15	0	4.92	<=13	Pass

5.1.3 B26a_5MHz

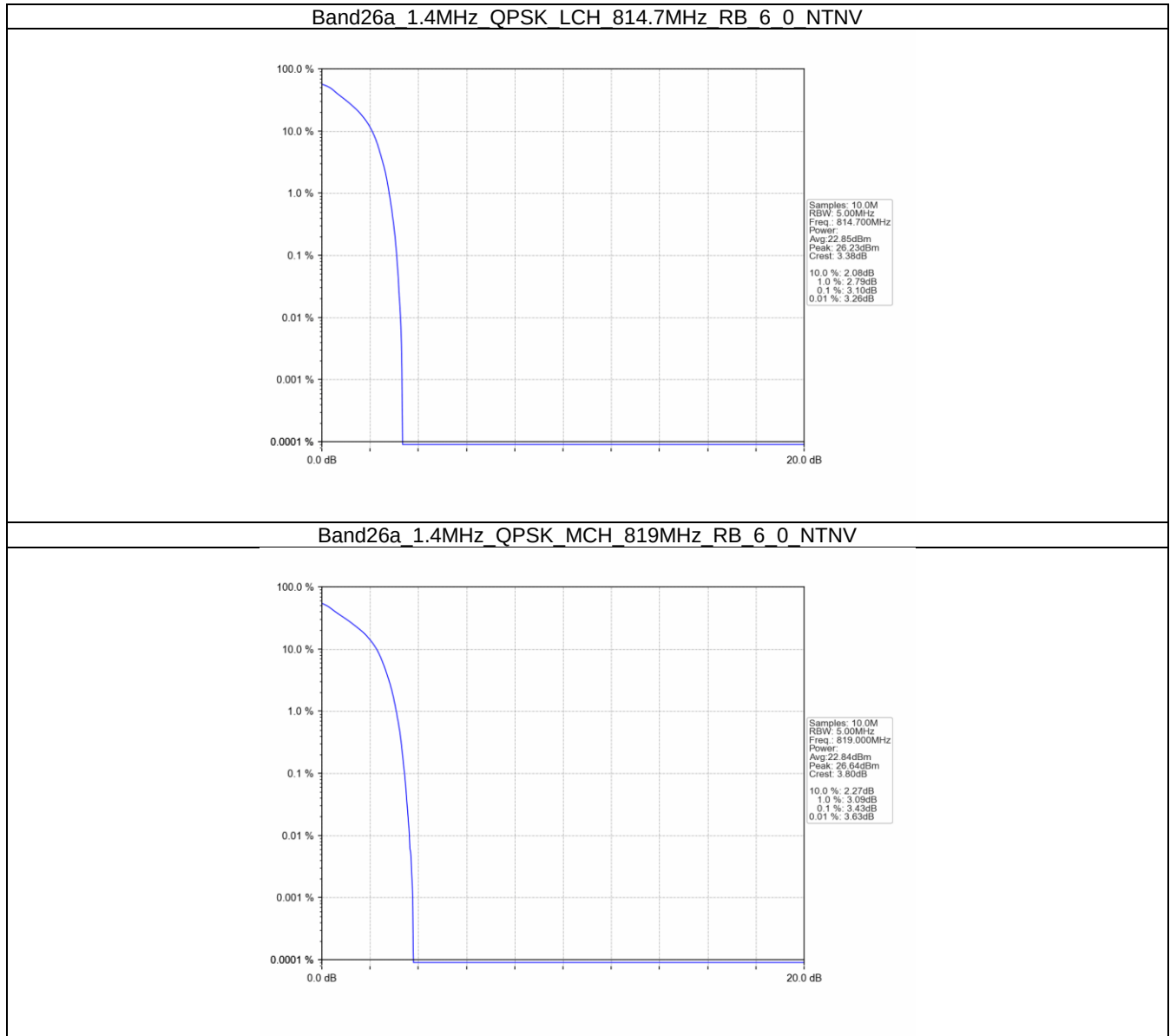
Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	25	0	4.07	<=13	Pass
	819	25	0	4.29	<=13	Pass
	821.5	25	0	4.54	<=13	Pass
16QAM	816.5	25	0	4.74	<=13	Pass
	819	25	0	4.96	<=13	Pass
	821.5	25	0	5.19	<=13	Pass

5.1.4 B26a_10MHz

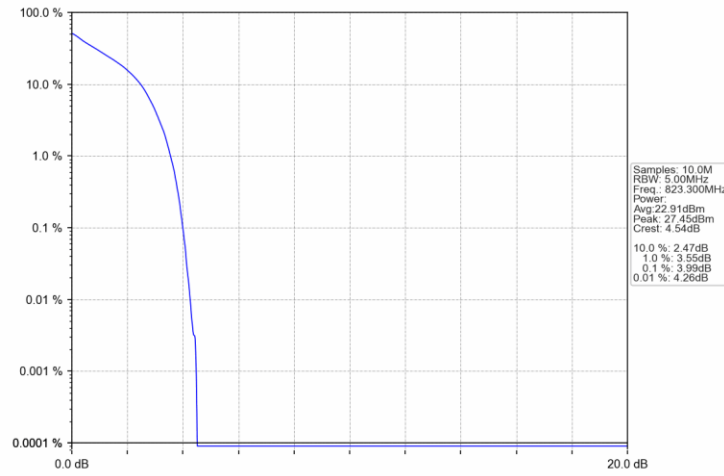
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	4.34	<=13	Pass
16QAM	819	50	0	5.05	<=13	Pass

5.2 Test Graph

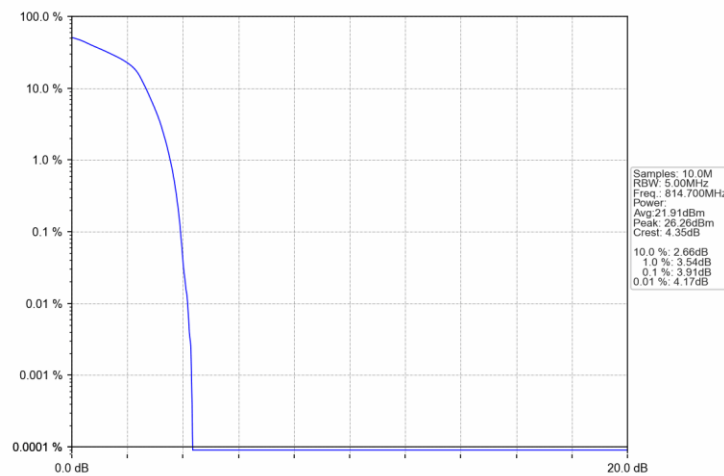
5.2.1 B26a_1.4MHz



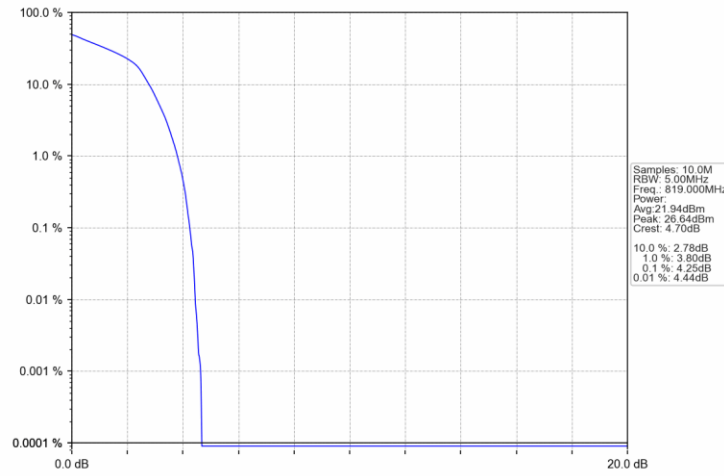
Band26a 1.4MHz QPSK HCH 823.3MHz RB 6 0 NTN



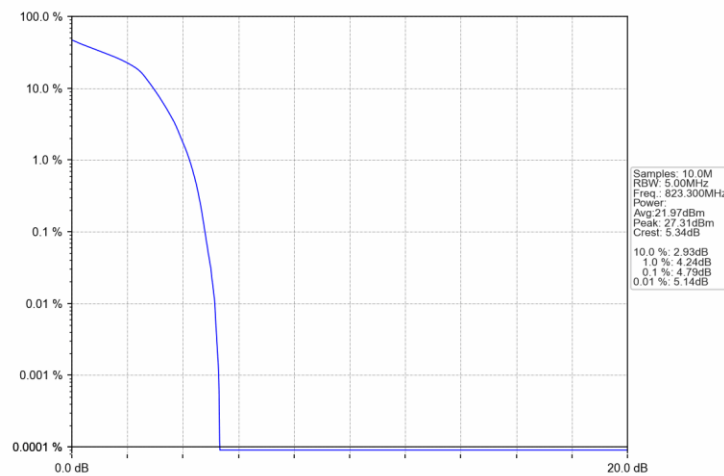
Band26a 1.4MHz 16QAM LCH 814.7MHz RB 6 0 NTN



Band26a 1.4MHz 16QAM MCH 819MHz RB 6 0 NTNV

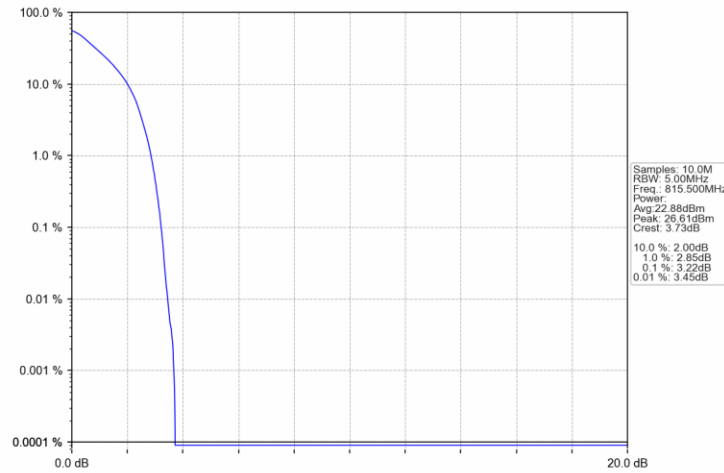


Band26a 1.4MHz 16QAM HCH 823.3MHz RB 6 0 NTNV

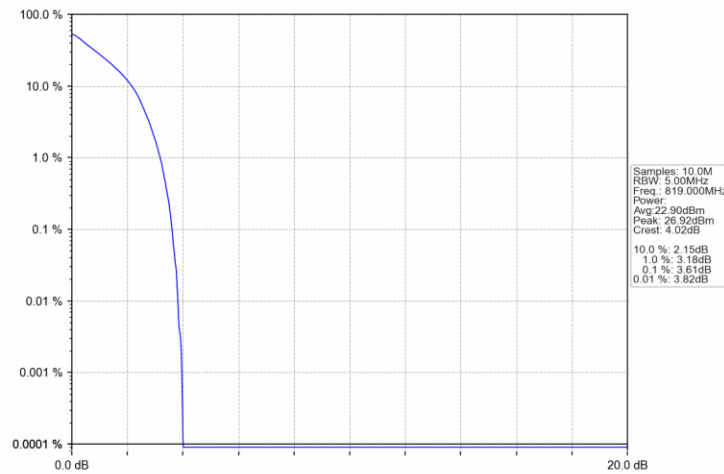


5.2.2 B26a_3MHz

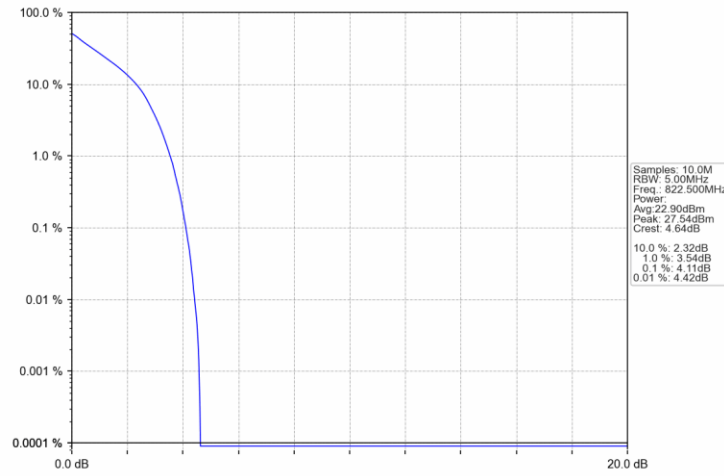
Band26a 3MHz QPSK LCH 815.5MHz RB 15 0 NTV



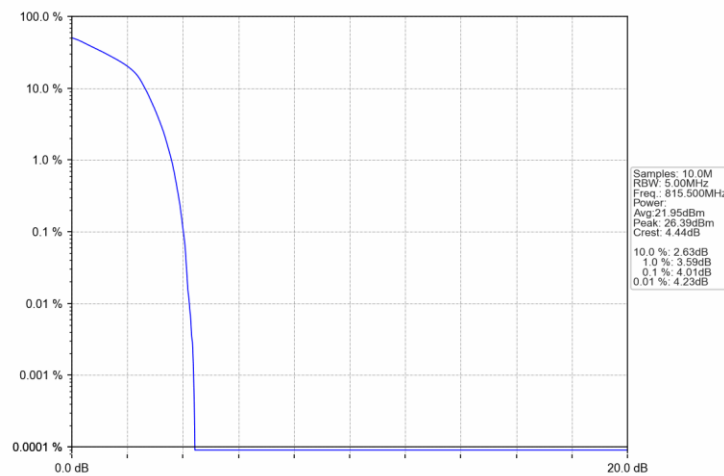
Band26a 3MHz QPSK MCH 819MHz RB 15 0 NTV



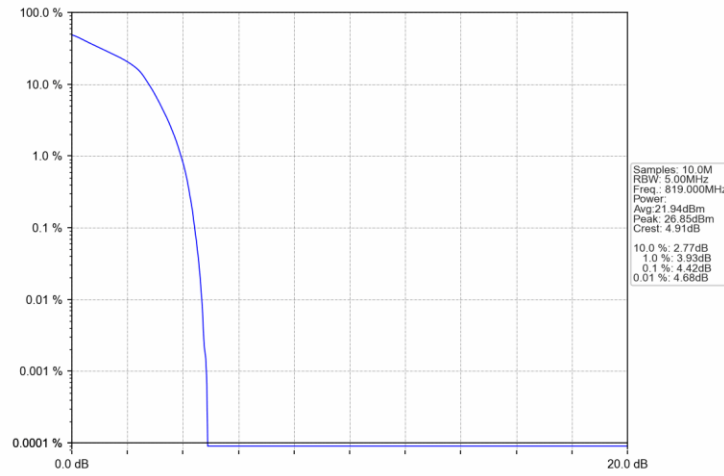
Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTNV



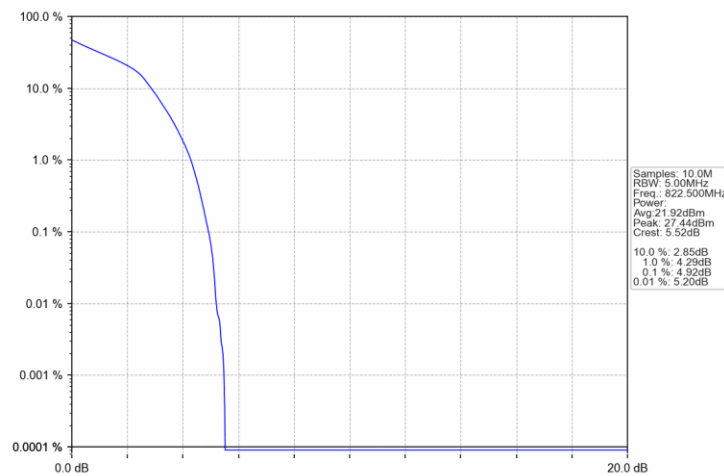
Band26a 3MHz 16QAM LCH 815.5MHz RB 15 0 NTNV



Band26a 3MHz 16QAM MCH 819MHz RB 15 0 NTNV

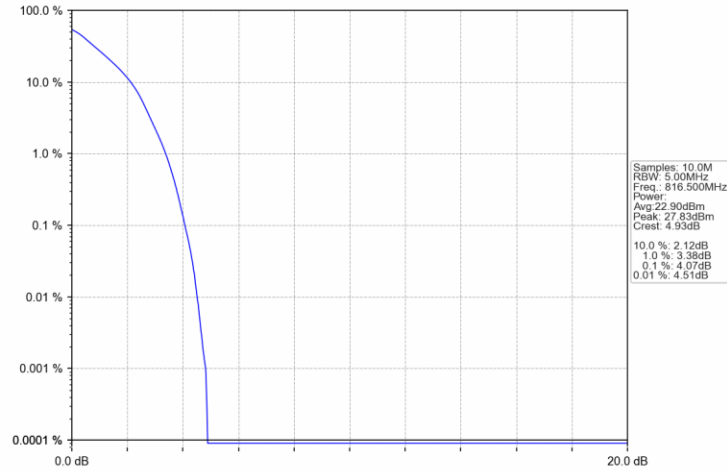


Band26a 3MHz 16QAM HCH 822.5MHz RB 15 0 NTNV

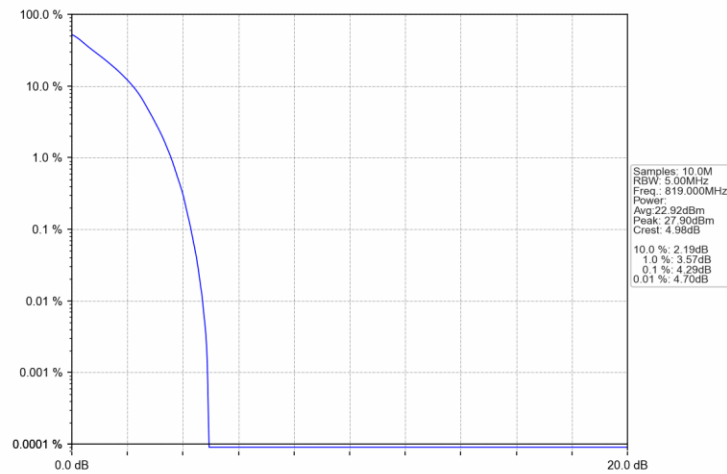


5.2.3 B26a_5MHz

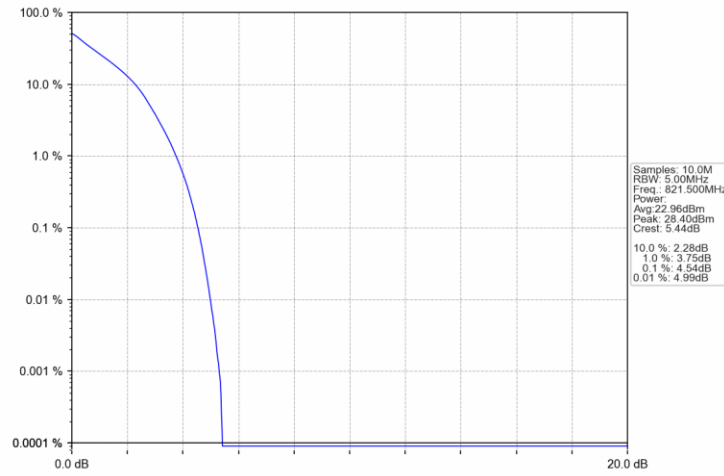
Band26a 5MHz QPSK LCH 816.5MHz RB 25 0 NTV



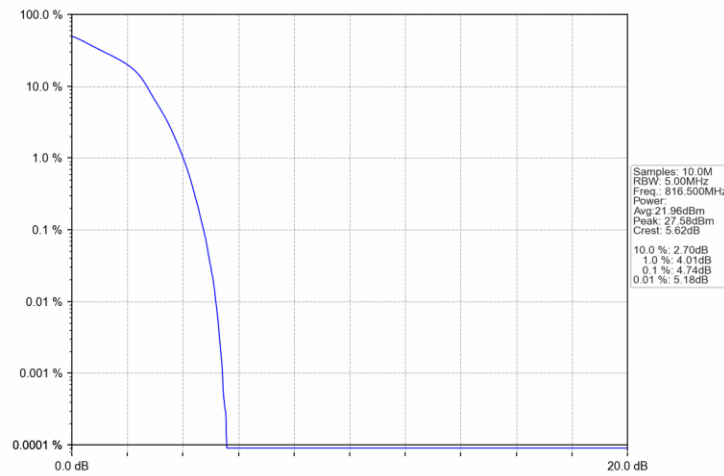
Band26a 5MHz QPSK MCH 819MHz RB 25 0 NTV



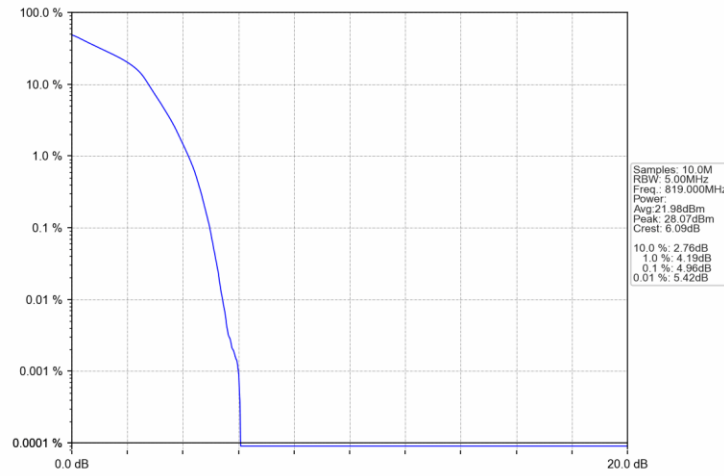
Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTNV



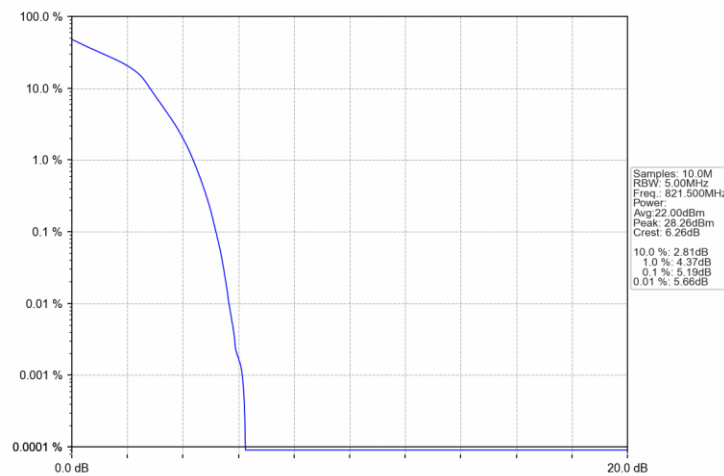
Band26a 5MHz 16QAM LCH 816.5MHz RB 25 0 NTNV



Band26a 5MHz 16QAM MCH 819MHz RB 25 0 NTNV

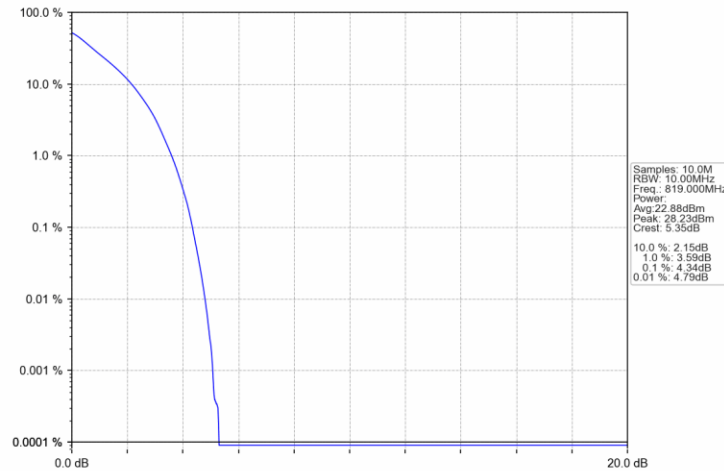


Band26a 5MHz 16QAM HCH 821.5MHz RB 25 0 NTNV

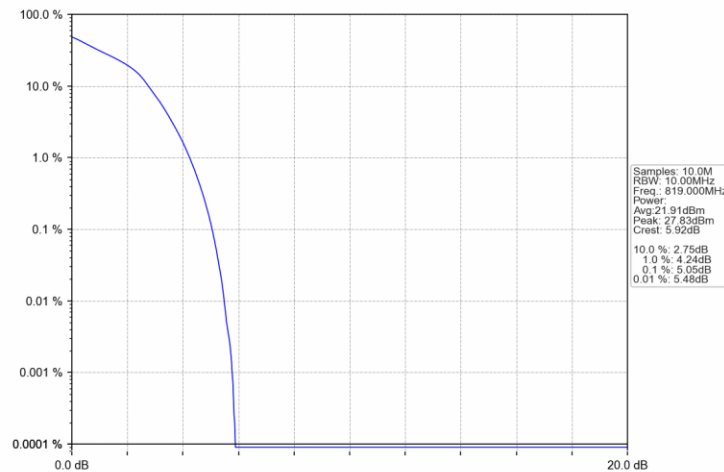


5.2.4 B26a_10MHz

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

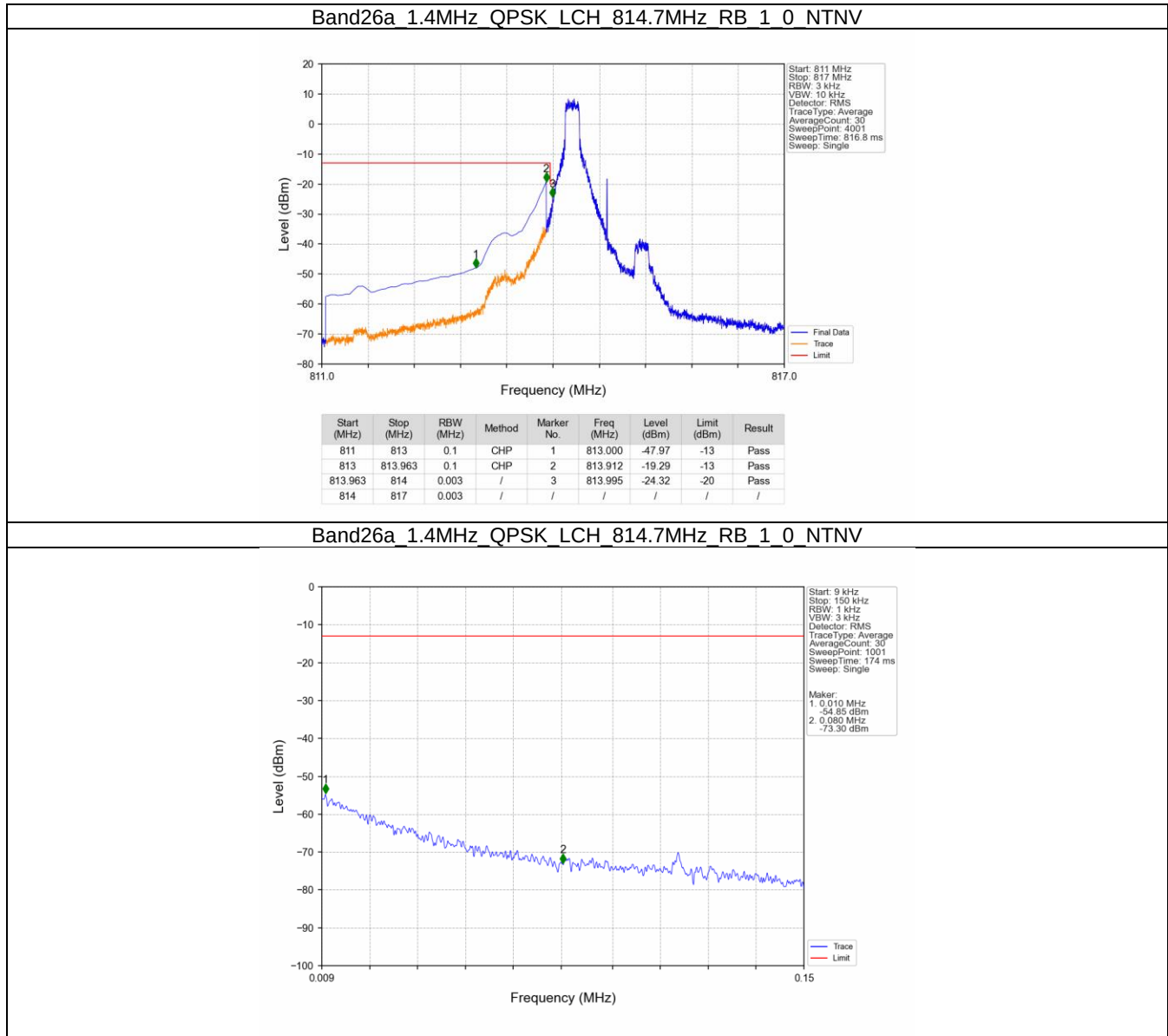
Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

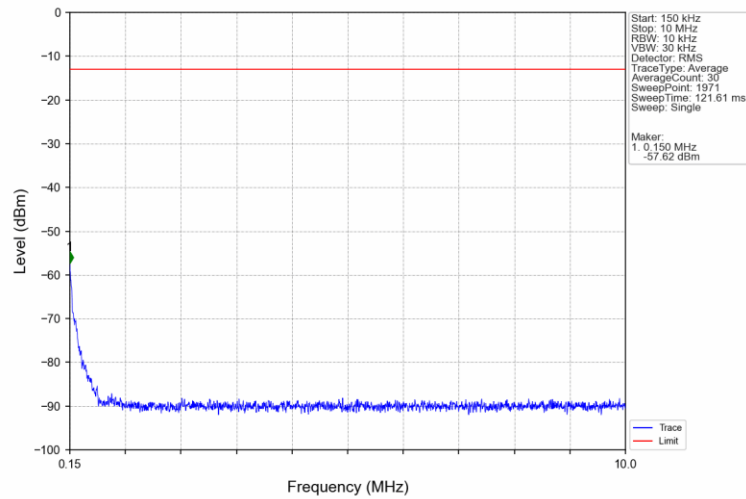
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	819	1	0	Refer To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

6.2 Test Graph

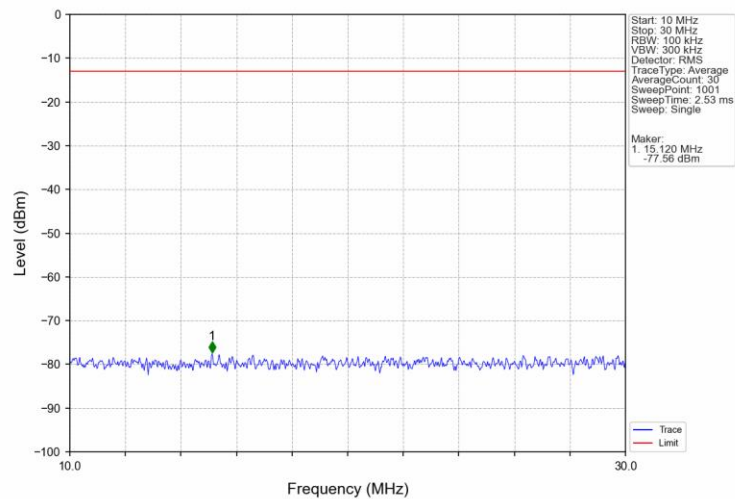
6.2.1 B26a_1.4MHz



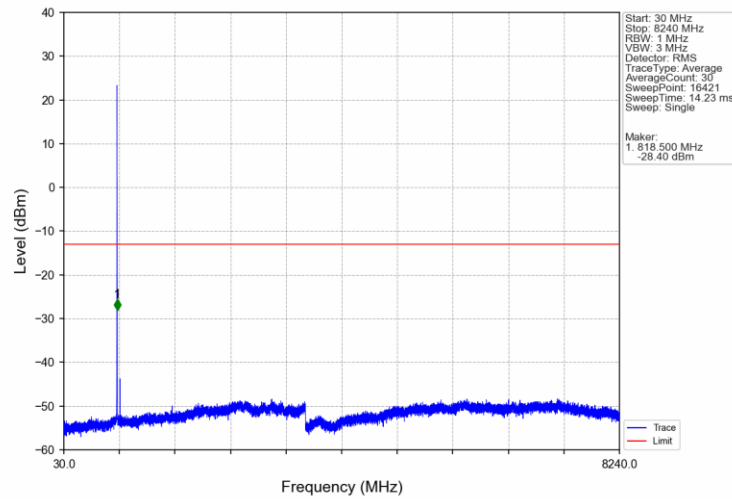
Band26a 1.4MHz QPSK LCH 814.7MHz RB 1 0 NTNV



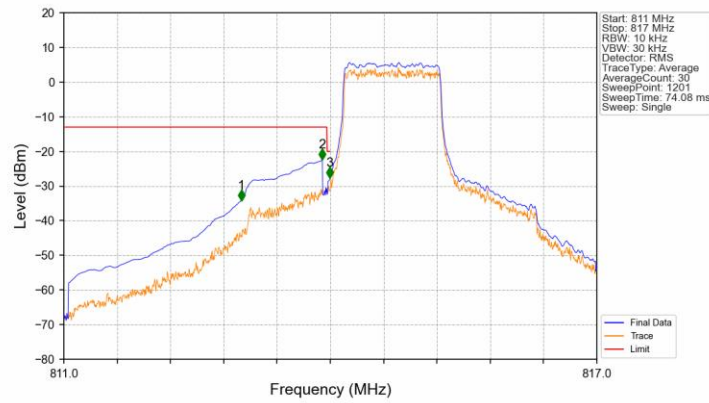
Band26a 1.4MHz QPSK LCH 814.7MHz RB 1 0 NTNV



Band26a 1.4MHz QPSK LCH 814.7MHz RB 1 0 NTNV

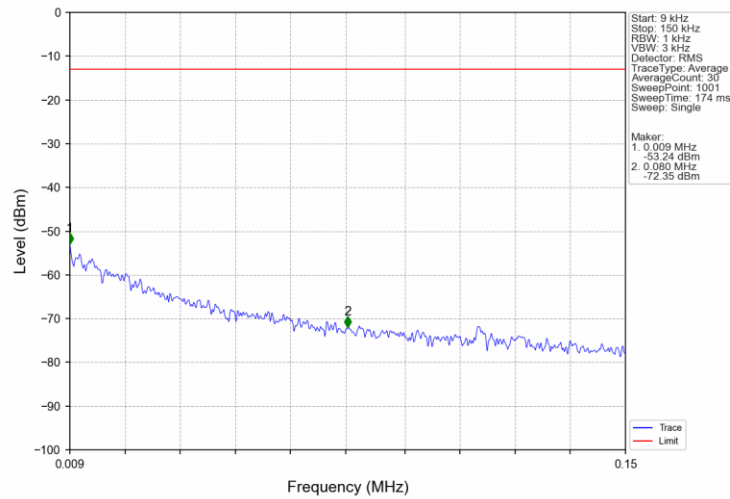


Band26a 1.4MHz QPSK LCH 814.7MHz RB 6 0 NTNV

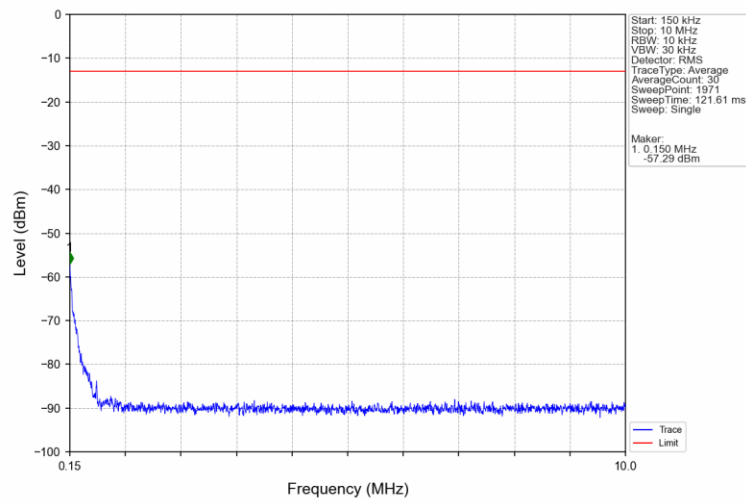


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	813.000	-34.21	-13	Pass
813	813.963	0.1	CHP	2	813.910	-22.41	-13	Pass
813.963	814	0.02004	CHP	3	813.995	-27.74	-20	Pass
814	817	0.02004	CHP	/	/	/	/	/

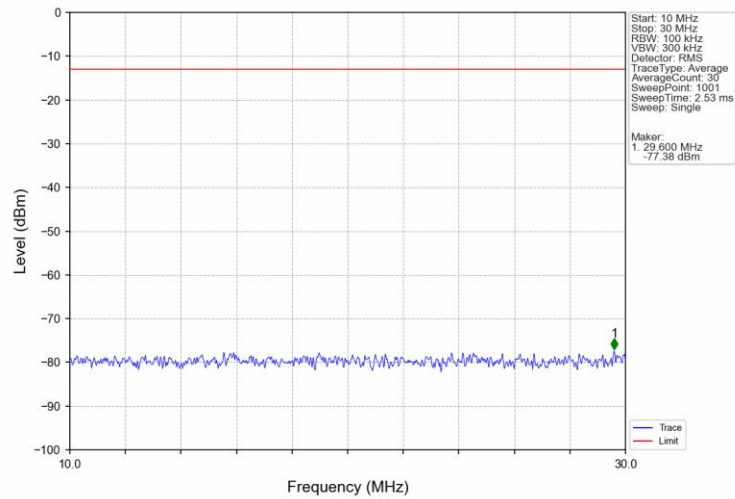
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



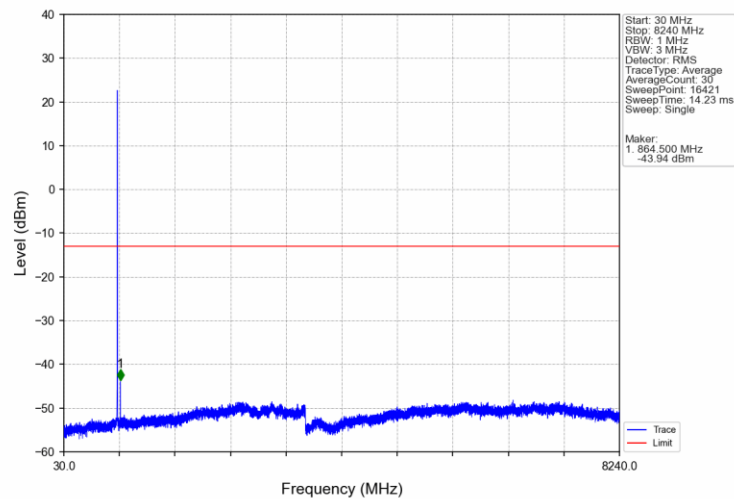
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



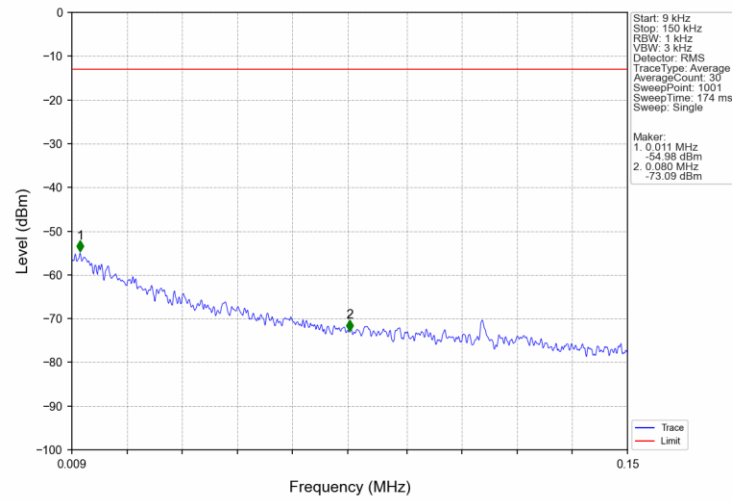
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



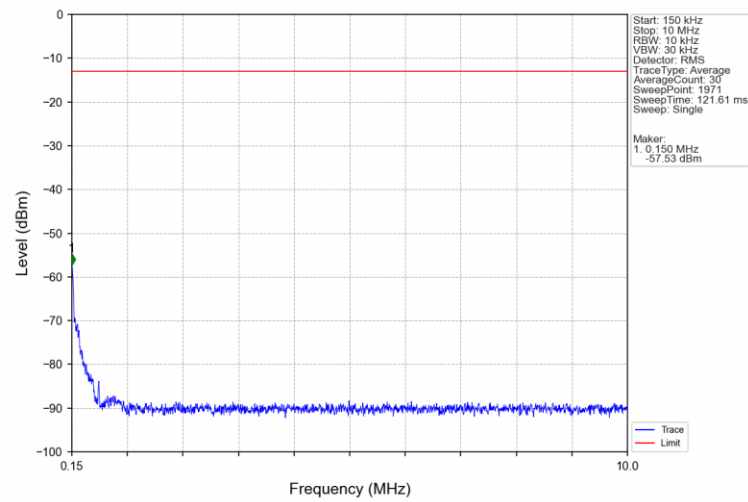
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



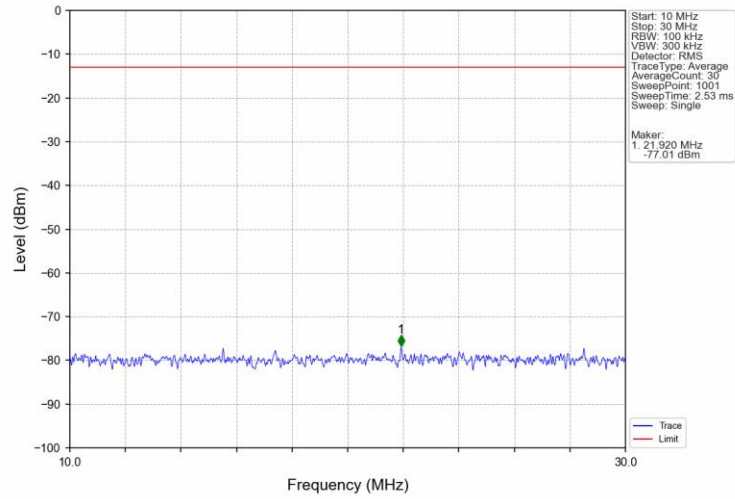
Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTNV



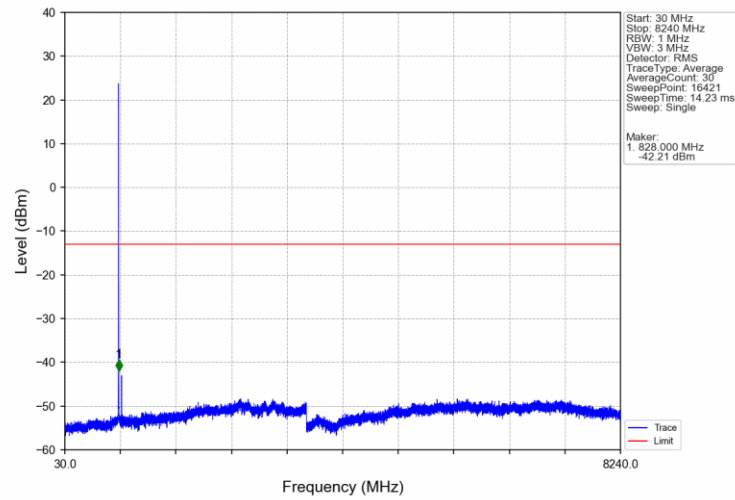
Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTNV



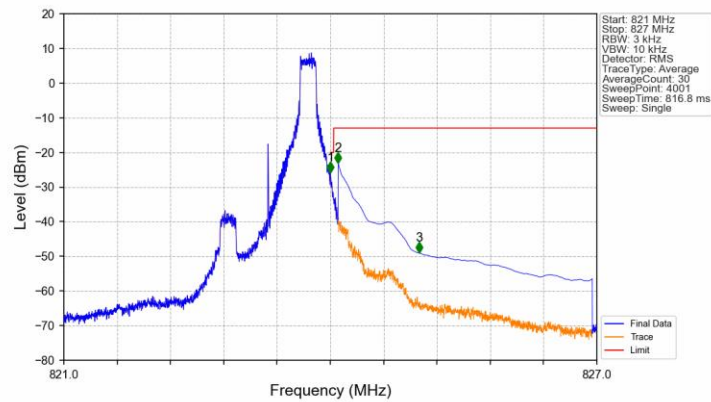
Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTNV



Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 0 NTNV

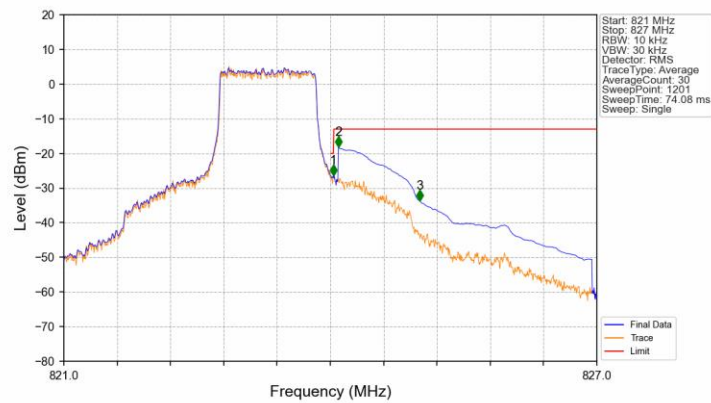


Band26a 1.4MHz QPSK HCH 823.3MHz RB 1 5 NTNV



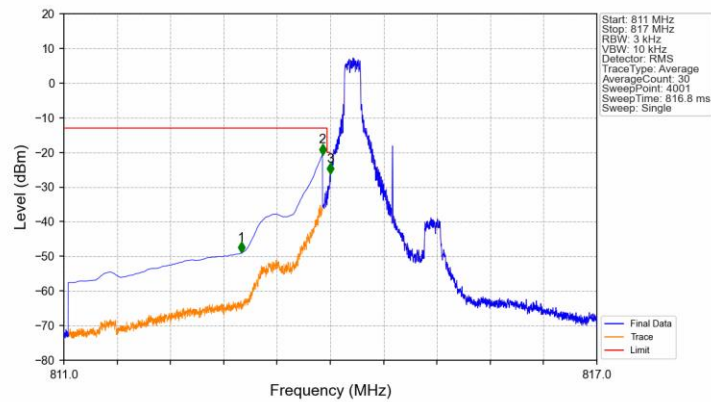
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	824.038	0.003	/	1	824.001	-25.88	-20	Pass
824.038	825	0.1	CHP	2	824.088	-23.03	-13	Pass
825	827	0.1	CHP	3	825.000	-49.03	-13	Pass

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	0.01327	CHP	/	/	/	/	/
824	824.038	0.01327	CHP	1	824.035	-26.35	-20	Pass
824.038	825	0.1	CHP	2	824.090	-18.28	-13	Pass
825	827	0.1	CHP	3	825.005	-33.66	-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	813.000	-48.99	-13	Pass
813	813.963	0.1	CHP	2	813.912	-20.66	-13	Pass
813.963	814	0.003	/	3	813.997	-26.15	-20	Pass
814	817	0.003	/	/	/	/	/	/

Band26a 1.4MHz 16QAM LCH 814.7MHz RB 1 0 NTNV

