

Appendix Test Data for LTE_band_12

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.72	-11.18	10.39	<=34.77	Pass
			2	23.71	-11.18	10.38	<=34.77	Pass
			5	23.86	-11.18	10.53	<=34.77	Pass
		3	0	24.14	-11.18	10.81	<=34.77	Pass
			2	24.15	-11.18	10.82	<=34.77	Pass
			3	24.22	-11.18	10.89	<=34.77	Pass
		6	0	21.66	-11.18	8.33	<=34.77	Pass
	707.5	1	0	23.36	-11.18	10.03	<=34.77	Pass
			2	23.37	-11.18	10.04	<=34.77	Pass
			5	23.38	-11.18	10.05	<=34.77	Pass
		3	0	23.42	-11.18	10.09	<=34.77	Pass
			2	23.39	-11.18	10.06	<=34.77	Pass
			3	23.43	-11.18	10.10	<=34.77	Pass
		6	0	22.45	-11.18	9.12	<=34.77	Pass
	715.3	1	0	23.47	-11.18	10.14	<=34.77	Pass
			2	23.43	-11.18	10.10	<=34.77	Pass
			5	23.45	-11.18	10.12	<=34.77	Pass
		3	0	23.60	-11.18	10.27	<=34.77	Pass
			2	23.61	-11.18	10.28	<=34.77	Pass
			3	23.57	-11.18	10.24	<=34.77	Pass
		6	0	22.56	-11.18	9.23	<=34.77	Pass
16QAM	699.7	1	0	21.49	-11.18	8.16	<=34.77	Pass
			2	21.60	-11.18	8.27	<=34.77	Pass
			5	22.14	-11.18	8.81	<=34.77	Pass
		3	0	21.99	-11.18	8.66	<=34.77	Pass
			2	22.06	-11.18	8.73	<=34.77	Pass
			3	22.08	-11.18	8.75	<=34.77	Pass
		6	0	20.86	-11.18	7.53	<=34.77	Pass
	707.5	1	0	22.59	-11.18	9.26	<=34.77	Pass
			2	22.60	-11.18	9.27	<=34.77	Pass
			5	22.61	-11.18	9.28	<=34.77	Pass
		3	0	22.41	-11.18	9.08	<=34.77	Pass
			2	22.37	-11.18	9.04	<=34.77	Pass
			3	22.41	-11.18	9.08	<=34.77	Pass
		6	0	21.46	-11.18	8.13	<=34.77	Pass
	715.3	1	0	22.62	-11.18	9.29	<=34.77	Pass
			2	22.59	-11.18	9.26	<=34.77	Pass
			5	22.58	-11.18	9.25	<=34.77	Pass
		3	0	22.73	-11.18	9.40	<=34.77	Pass
			2	22.78	-11.18	9.45	<=34.77	Pass
			3	22.76	-11.18	9.43	<=34.77	Pass
		6	0	21.56	-11.18	8.23	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.27	-11.18	9.94	<=34.77	Pass
			7	23.36	-11.18	10.03	<=34.77	Pass
			14	23.34	-11.18	10.01	<=34.77	Pass
		8	0	22.30	-11.18	8.97	<=34.77	Pass
			4	22.29	-11.18	8.96	<=34.77	Pass
			7	22.27	-11.18	8.94	<=34.77	Pass
		15	0	22.32	-11.18	8.99	<=34.77	Pass
	707.5	1	0	23.42	-11.18	10.09	<=34.77	Pass
			7	23.45	-11.18	10.12	<=34.77	Pass
			14	23.44	-11.18	10.11	<=34.77	Pass
		8	0	22.44	-11.18	9.11	<=34.77	Pass
			4	22.49	-11.18	9.16	<=34.77	Pass
			7	22.46	-11.18	9.13	<=34.77	Pass
		15	0	22.44	-11.18	9.11	<=34.77	Pass
	714.5	1	0	23.67	-11.18	10.34	<=34.77	Pass
			7	23.64	-11.18	10.31	<=34.77	Pass
			14	23.61	-11.18	10.28	<=34.77	Pass
		8	0	22.54	-11.18	9.21	<=34.77	Pass
			4	22.54	-11.18	9.21	<=34.77	Pass
			7	22.54	-11.18	9.21	<=34.77	Pass
		15	0	22.56	-11.18	9.23	<=34.77	Pass
16QAM	700.5	1	0	22.39	-11.18	9.06	<=34.77	Pass
			7	22.41	-11.18	9.08	<=34.77	Pass
			14	22.37	-11.18	9.04	<=34.77	Pass
		8	0	21.34	-11.18	8.01	<=34.77	Pass
			4	21.35	-11.18	8.02	<=34.77	Pass
			7	21.34	-11.18	8.01	<=34.77	Pass
		15	0	21.35	-11.18	8.02	<=34.77	Pass
	707.5	1	0	22.68	-11.18	9.35	<=34.77	Pass
			7	22.65	-11.18	9.32	<=34.77	Pass
			14	22.65	-11.18	9.32	<=34.77	Pass
		8	0	21.41	-11.18	8.08	<=34.77	Pass
			4	21.44	-11.18	8.11	<=34.77	Pass
			7	21.42	-11.18	8.09	<=34.77	Pass
		15	0	21.39	-11.18	8.06	<=34.77	Pass
	714.5	1	0	23.15	-11.18	9.82	<=34.77	Pass
			7	23.09	-11.18	9.76	<=34.77	Pass
			14	23.04	-11.18	9.71	<=34.77	Pass
		8	0	21.76	-11.18	8.43	<=34.77	Pass
			4	21.75	-11.18	8.42	<=34.77	Pass
			7	21.71	-11.18	8.38	<=34.77	Pass
		15	0	21.65	-11.18	8.32	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.41	-11.18	10.08	<=34.77	Pass
			13	23.39	-11.18	10.06	<=34.77	Pass
			24	23.49	-11.18	10.16	<=34.77	Pass
		12	0	22.39	-11.18	9.06	<=34.77	Pass
			6	22.34	-11.18	9.01	<=34.77	Pass
			13	22.38	-11.18	9.05	<=34.77	Pass
		25	0	22.38	-11.18	9.05	<=34.77	Pass
	707.5	1	0	23.39	-11.18	10.06	<=34.77	Pass
			13	23.45	-11.18	10.12	<=34.77	Pass
			24	23.54	-11.18	10.21	<=34.77	Pass
		12	0	22.48	-11.18	9.15	<=34.77	Pass
			6	22.48	-11.18	9.15	<=34.77	Pass
			13	22.48	-11.18	9.15	<=34.77	Pass
		25	0	22.45	-11.18	9.12	<=34.77	Pass
	713.5	1	0	23.74	-11.18	10.41	<=34.77	Pass
			13	23.78	-11.18	10.45	<=34.77	Pass
			24	23.82	-11.18	10.49	<=34.77	Pass
		12	0	22.62	-11.18	9.29	<=34.77	Pass
			6	22.56	-11.18	9.23	<=34.77	Pass
			13	22.60	-11.18	9.27	<=34.77	Pass
		25	0	22.60	-11.18	9.27	<=34.77	Pass
16QAM	701.5	1	0	22.44	-11.18	9.11	<=34.77	Pass
			13	22.45	-11.18	9.12	<=34.77	Pass
			24	22.54	-11.18	9.21	<=34.77	Pass
		12	0	21.38	-11.18	8.05	<=34.77	Pass
			6	21.32	-11.18	7.99	<=34.77	Pass
			13	21.32	-11.18	7.99	<=34.77	Pass
		25	0	21.40	-11.18	8.07	<=34.77	Pass
	707.5	1	0	22.68	-11.18	9.35	<=34.77	Pass
			13	22.72	-11.18	9.39	<=34.77	Pass
			24	22.80	-11.18	9.47	<=34.77	Pass
		12	0	21.45	-11.18	8.12	<=34.77	Pass
			6	21.47	-11.18	8.14	<=34.77	Pass
			13	21.50	-11.18	8.17	<=34.77	Pass
		25	0	21.47	-11.18	8.14	<=34.77	Pass
	713.5	1	0	22.44	-11.18	9.11	<=34.77	Pass
			13	22.47	-11.18	9.14	<=34.77	Pass
			24	22.48	-11.18	9.15	<=34.77	Pass
		12	0	21.63	-11.18	8.30	<=34.77	Pass
			6	21.57	-11.18	8.24	<=34.77	Pass
			13	21.61	-11.18	8.28	<=34.77	Pass
		25	0	21.64	-11.18	8.31	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.39	-11.18	10.06	<=34.77	Pass
			25	23.43	-11.18	10.10	<=34.77	Pass
			49	23.51	-11.18	10.18	<=34.77	Pass
		25	0	22.36	-11.18	9.03	<=34.77	Pass
			13	22.44	-11.18	9.11	<=34.77	Pass
			25	22.51	-11.18	9.18	<=34.77	Pass
		50	0	22.43	-11.18	9.10	<=34.77	Pass
	707.5	1	0	23.34	-11.18	10.01	<=34.77	Pass
			25	23.47	-11.18	10.14	<=34.77	Pass
			49	23.54	-11.18	10.21	<=34.77	Pass
		25	0	22.39	-11.18	9.06	<=34.77	Pass
			13	22.45	-11.18	9.12	<=34.77	Pass
			25	22.46	-11.18	9.13	<=34.77	Pass
		50	0	22.44	-11.18	9.11	<=34.77	Pass
	711	1	0	23.47	-11.18	10.14	<=34.77	Pass
			25	23.63	-11.18	10.30	<=34.77	Pass
			49	23.69	-11.18	10.36	<=34.77	Pass
		25	0	22.46	-11.18	9.13	<=34.77	Pass
			13	22.52	-11.18	9.19	<=34.77	Pass
			25	22.53	-11.18	9.20	<=34.77	Pass
		50	0	22.52	-11.18	9.19	<=34.77	Pass
16QAM	704	1	0	22.35	-11.18	9.02	<=34.77	Pass
			25	22.45	-11.18	9.12	<=34.77	Pass
			49	22.57	-11.18	9.24	<=34.77	Pass
		25	0	21.45	-11.18	8.12	<=34.77	Pass
			13	21.50	-11.18	8.17	<=34.77	Pass
			25	21.59	-11.18	8.26	<=34.77	Pass
		50	0	21.43	-11.18	8.10	<=34.77	Pass
	707.5	1	0	22.54	-11.18	9.21	<=34.77	Pass
			25	22.66	-11.18	9.33	<=34.77	Pass
			49	22.72	-11.18	9.39	<=34.77	Pass
		25	0	21.43	-11.18	8.10	<=34.77	Pass
			13	21.51	-11.18	8.18	<=34.77	Pass
			25	21.48	-11.18	8.15	<=34.77	Pass
		50	0	21.43	-11.18	8.10	<=34.77	Pass
	711	1	0	22.95	-11.18	9.62	<=34.77	Pass
			25	23.12	-11.18	9.79	<=34.77	Pass
			49	23.10	-11.18	9.77	<=34.77	Pass
		25	0	21.51	-11.18	8.18	<=34.77	Pass
			13	21.56	-11.18	8.23	<=34.77	Pass
			25	21.53	-11.18	8.20	<=34.77	Pass
		50	0	21.50	-11.18	8.17	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	LV	-1.259	-0.0018	-2.5 to 2.5	Pass
					NV	-2.432	-0.0035	-2.5 to 2.5	Pass
					HV	-3.920	-0.0056	-2.5 to 2.5	Pass
				-30	NV	1.116	0.0016	-2.5 to 2.5	Pass
				-20	NV	-0.386	-0.0006	-2.5 to 2.5	Pass
				-10	NV	2.689	0.0038	-2.5 to 2.5	Pass
				0	NV	-4.921	-0.0070	-2.5 to 2.5	Pass
				10	NV	-3.505	-0.0050	-2.5 to 2.5	Pass
				30	NV	-5.422	-0.0077	-2.5 to 2.5	Pass
				40	NV	5.193	0.0074	-2.5 to 2.5	Pass
				50	NV	-2.589	-0.0037	-2.5 to 2.5	Pass
	707.5	6	0	20	LV	-1.287	-0.0018	-2.5 to 2.5	Pass
					NV	1.359	0.0019	-2.5 to 2.5	Pass
					HV	-3.920	-0.0055	-2.5 to 2.5	Pass
				-30	NV	-2.704	-0.0038	-2.5 to 2.5	Pass
				-20	NV	-5.207	-0.0074	-2.5 to 2.5	Pass
				-10	NV	0.815	0.0012	-2.5 to 2.5	Pass
				0	NV	0.501	0.0007	-2.5 to 2.5	Pass
				10	NV	-4.134	-0.0058	-2.5 to 2.5	Pass
				30	NV	1.402	0.0020	-2.5 to 2.5	Pass
				40	NV	-4.163	-0.0059	-2.5 to 2.5	Pass
				50	NV	1.445	0.0020	-2.5 to 2.5	Pass
	715.3	6	0	20	LV	-7.811	-0.0109	-2.5 to 2.5	Pass
					NV	0.658	0.0009	-2.5 to 2.5	Pass
					HV	-5.064	-0.0071	-2.5 to 2.5	Pass
				-30	NV	-3.104	-0.0043	-2.5 to 2.5	Pass
				-20	NV	-6.194	-0.0087	-2.5 to 2.5	Pass
				-10	NV	-5.808	-0.0081	-2.5 to 2.5	Pass
				0	NV	-1.745	-0.0024	-2.5 to 2.5	Pass
				10	NV	-6.351	-0.0089	-2.5 to 2.5	Pass
				30	NV	-2.017	-0.0028	-2.5 to 2.5	Pass
				40	NV	-3.405	-0.0048	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	LV	-5.808	-0.0083	-2.5 to 2.5	Pass
					NV	-6.309	-0.0090	-2.5 to 2.5	Pass
					HV	-2.604	-0.0037	-2.5 to 2.5	Pass
				-30	NV	-5.651	-0.0081	-2.5 to 2.5	Pass
				-20	NV	-8.841	-0.0126	-2.5 to 2.5	Pass
				-10	NV	-4.320	-0.0062	-2.5 to 2.5	Pass
				0	NV	-3.748	-0.0054	-2.5 to 2.5	Pass
				10	NV	1.359	0.0019	-2.5 to 2.5	Pass
				30	NV	-4.191	-0.0060	-2.5 to 2.5	Pass
				40	NV	-4.320	-0.0062	-2.5 to 2.5	Pass
				50	NV	-1.402	-0.0020	-2.5 to 2.5	Pass
	707.5	6	0	20	LV	-0.386	-0.0005	-2.5 to 2.5	Pass
					NV	0.129	0.0002	-2.5 to 2.5	Pass
					HV	-5.393	-0.0076	-2.5 to 2.5	Pass
				-30	NV	0.801	0.0011	-2.5 to 2.5	Pass
				-20	NV	0.272	0.0004	-2.5 to 2.5	Pass
				-10	NV	-4.106	-0.0058	-2.5 to 2.5	Pass

				0	NV	-4.292	-0.0061	-2.5 to 2.5	Pass
				10	NV	-3.591	-0.0051	-2.5 to 2.5	Pass
				30	NV	-8.068	-0.0114	-2.5 to 2.5	Pass
				40	NV	-2.103	-0.0030	-2.5 to 2.5	Pass
				50	NV	-4.292	-0.0061	-2.5 to 2.5	Pass
	715.3	6	0	20	LV	-6.008	-0.0084	-2.5 to 2.5	Pass
					NV	-6.495	-0.0091	-2.5 to 2.5	Pass
					HV	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	NV	-8.340	-0.0117	-2.5 to 2.5	Pass
				-20	NV	-6.037	-0.0084	-2.5 to 2.5	Pass
				-10	NV	3.204	0.0045	-2.5 to 2.5	Pass
				0	NV	-5.736	-0.0080	-2.5 to 2.5	Pass
				10	NV	0.315	0.0004	-2.5 to 2.5	Pass
				30	NV	-7.510	-0.0105	-2.5 to 2.5	Pass
				40	NV	-0.443	-0.0006	-2.5 to 2.5	Pass
				50	NV	-8.211	-0.0115	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	LV	-4.849	-0.0069	-2.5 to 2.5	Pass
					NV	-1.931	-0.0028	-2.5 to 2.5	Pass
					HV	-5.193	-0.0074	-2.5 to 2.5	Pass
				-30	NV	-2.275	-0.0032	-2.5 to 2.5	Pass
				-20	NV	-0.529	-0.0008	-2.5 to 2.5	Pass
				-10	NV	1.588	0.0023	-2.5 to 2.5	Pass
				0	NV	1.273	0.0018	-2.5 to 2.5	Pass
				10	NV	1.559	0.0022	-2.5 to 2.5	Pass
				30	NV	-1.230	-0.0018	-2.5 to 2.5	Pass
				40	NV	-3.190	-0.0046	-2.5 to 2.5	Pass
	50	NV	-1.945	-0.0028	-2.5 to 2.5	Pass			
	707.5	15	0	20	LV	0.129	0.0002	-2.5 to 2.5	Pass
					NV	0.615	0.0009	-2.5 to 2.5	Pass
					HV	-1.159	-0.0016	-2.5 to 2.5	Pass
				-30	NV	-2.904	-0.0041	-2.5 to 2.5	Pass
				-20	NV	-1.945	-0.0027	-2.5 to 2.5	Pass
				-10	NV	-1.016	-0.0014	-2.5 to 2.5	Pass
				0	NV	-1.831	-0.0026	-2.5 to 2.5	Pass
				10	NV	-2.632	-0.0037	-2.5 to 2.5	Pass
				30	NV	-3.390	-0.0048	-2.5 to 2.5	Pass
				40	NV	-2.360	-0.0033	-2.5 to 2.5	Pass
	50	NV	-2.160	-0.0031	-2.5 to 2.5	Pass			
	714.5	15	0	20	LV	-2.375	-0.0033	-2.5 to 2.5	Pass
					NV	-2.403	-0.0034	-2.5 to 2.5	Pass
					HV	-2.289	-0.0032	-2.5 to 2.5	Pass
				-30	NV	-3.390	-0.0047	-2.5 to 2.5	Pass
				-20	NV	-1.888	-0.0026	-2.5 to 2.5	Pass
				-10	NV	-2.432	-0.0034	-2.5 to 2.5	Pass
				0	NV	-5.393	-0.0075	-2.5 to 2.5	Pass
				10	NV	-2.632	-0.0037	-2.5 to 2.5	Pass
30				NV	-3.533	-0.0049	-2.5 to 2.5	Pass	
40				NV	-6.881	-0.0096	-2.5 to 2.5	Pass	
50	NV	-0.858	-0.0012	-2.5 to 2.5	Pass				
16QAM	700.5	15	0	20	LV	-0.458	-0.0007	-2.5 to 2.5	Pass
					NV	1.116	0.0016	-2.5 to 2.5	Pass
					HV	-8.097	-0.0116	-2.5 to 2.5	Pass

				-30	NV	-4.821	-0.0069	-2.5 to 2.5	Pass
				-20	NV	-0.386	-0.0006	-2.5 to 2.5	Pass
				-10	NV	-4.377	-0.0062	-2.5 to 2.5	Pass
				0	NV	-7.710	-0.0110	-2.5 to 2.5	Pass
				10	NV	-3.819	-0.0055	-2.5 to 2.5	Pass
				30	NV	-3.662	-0.0052	-2.5 to 2.5	Pass
				40	NV	-1.602	-0.0023	-2.5 to 2.5	Pass
				50	NV	-3.576	-0.0051	-2.5 to 2.5	Pass
	707.5	15	0	20	LV	-1.659	-0.0023	-2.5 to 2.5	Pass
					NV	0.415	0.0006	-2.5 to 2.5	Pass
					HV	-5.407	-0.0076	-2.5 to 2.5	Pass
				-30	NV	-2.789	-0.0039	-2.5 to 2.5	Pass
				-20	NV	-3.505	-0.0050	-2.5 to 2.5	Pass
				-10	NV	-8.554	-0.0121	-2.5 to 2.5	Pass
				0	NV	-2.303	-0.0033	-2.5 to 2.5	Pass
				10	NV	0.787	0.0011	-2.5 to 2.5	Pass
				30	NV	-0.973	-0.0014	-2.5 to 2.5	Pass
				40	NV	-5.150	-0.0073	-2.5 to 2.5	Pass
				50	NV	-1.202	-0.0017	-2.5 to 2.5	Pass
	714.5	15	0	20	LV	-2.232	-0.0031	-2.5 to 2.5	Pass
					NV	-2.303	-0.0032	-2.5 to 2.5	Pass
					HV	-4.163	-0.0058	-2.5 to 2.5	Pass
				-30	NV	0.315	0.0004	-2.5 to 2.5	Pass
				-20	NV	-4.106	-0.0057	-2.5 to 2.5	Pass
				-10	NV	0.629	0.0009	-2.5 to 2.5	Pass
				0	NV	-4.206	-0.0059	-2.5 to 2.5	Pass
				10	NV	-1.059	-0.0015	-2.5 to 2.5	Pass
				30	NV	0.286	0.0004	-2.5 to 2.5	Pass
				40	NV	0.329	0.0005	-2.5 to 2.5	Pass
				50	NV	0.386	0.0005	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	LV	-0.472	-0.0007	-2.5 to 2.5	Pass
					NV	-4.635	-0.0066	-2.5 to 2.5	Pass
					HV	-5.722	-0.0082	-2.5 to 2.5	Pass
				-30	NV	-5.622	-0.0080	-2.5 to 2.5	Pass
				-20	NV	-1.688	-0.0024	-2.5 to 2.5	Pass
				-10	NV	-3.176	-0.0045	-2.5 to 2.5	Pass
				0	NV	-1.874	-0.0027	-2.5 to 2.5	Pass
				10	NV	-3.548	-0.0051	-2.5 to 2.5	Pass
				30	NV	-6.680	-0.0095	-2.5 to 2.5	Pass
				40	NV	-1.502	-0.0021	-2.5 to 2.5	Pass
				50	NV	-1.473	-0.0021	-2.5 to 2.5	Pass
	707.5	25	0	20	LV	-4.334	-0.0061	-2.5 to 2.5	Pass
					NV	-2.861	-0.0040	-2.5 to 2.5	Pass
					HV	-3.362	-0.0048	-2.5 to 2.5	Pass
				-30	NV	-3.762	-0.0053	-2.5 to 2.5	Pass
				-20	NV	-2.489	-0.0035	-2.5 to 2.5	Pass
				-10	NV	-3.462	-0.0049	-2.5 to 2.5	Pass
				0	NV	-3.290	-0.0047	-2.5 to 2.5	Pass
				10	NV	-2.289	-0.0032	-2.5 to 2.5	Pass
				30	NV	-3.276	-0.0046	-2.5 to 2.5	Pass
				40	NV	-0.916	-0.0013	-2.5 to 2.5	Pass
				50	NV	-2.189	-0.0031	-2.5 to 2.5	Pass

	713.5	25	0	20	LV	-2.317	-0.0032	-2.5 to 2.5	Pass
					NV	-3.662	-0.0051	-2.5 to 2.5	Pass
					HV	-3.290	-0.0046	-2.5 to 2.5	Pass
				-30	NV	-4.892	-0.0069	-2.5 to 2.5	Pass
				-20	NV	-1.645	-0.0023	-2.5 to 2.5	Pass
				-10	NV	-5.236	-0.0073	-2.5 to 2.5	Pass
				0	NV	-4.549	-0.0064	-2.5 to 2.5	Pass
				10	NV	-3.862	-0.0054	-2.5 to 2.5	Pass
				30	NV	-3.161	-0.0044	-2.5 to 2.5	Pass
				40	NV	-1.988	-0.0028	-2.5 to 2.5	Pass
				50	NV	-0.987	-0.0014	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	LV	-3.419	-0.0049	-2.5 to 2.5	Pass
					NV	-2.203	-0.0031	-2.5 to 2.5	Pass
					HV	-0.944	-0.0013	-2.5 to 2.5	Pass
				-30	NV	1.817	0.0026	-2.5 to 2.5	Pass
				-20	NV	0.858	0.0012	-2.5 to 2.5	Pass
				-10	NV	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	NV	-4.020	-0.0057	-2.5 to 2.5	Pass
				10	NV	-0.572	-0.0008	-2.5 to 2.5	Pass
				30	NV	-6.065	-0.0086	-2.5 to 2.5	Pass
				40	NV	-2.303	-0.0033	-2.5 to 2.5	Pass
				50	NV	-4.835	-0.0069	-2.5 to 2.5	Pass
	707.5	25	0	20	LV	-2.346	-0.0033	-2.5 to 2.5	Pass
					NV	-3.591	-0.0051	-2.5 to 2.5	Pass
					HV	-1.316	-0.0019	-2.5 to 2.5	Pass
				-30	NV	-2.575	-0.0036	-2.5 to 2.5	Pass
				-20	NV	0.958	0.0014	-2.5 to 2.5	Pass
				-10	NV	-3.591	-0.0051	-2.5 to 2.5	Pass
				0	NV	-4.005	-0.0057	-2.5 to 2.5	Pass
				10	NV	-3.004	-0.0042	-2.5 to 2.5	Pass
				30	NV	0.629	0.0009	-2.5 to 2.5	Pass
				40	NV	-4.907	-0.0069	-2.5 to 2.5	Pass
				50	NV	-0.701	-0.0010	-2.5 to 2.5	Pass
	713.5	25	0	20	LV	-1.273	-0.0018	-2.5 to 2.5	Pass
					NV	-6.466	-0.0091	-2.5 to 2.5	Pass
					HV	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	NV	-0.372	-0.0005	-2.5 to 2.5	Pass
				-20	NV	-5.264	-0.0074	-2.5 to 2.5	Pass
				-10	NV	-2.775	-0.0039	-2.5 to 2.5	Pass
				0	NV	-1.216	-0.0017	-2.5 to 2.5	Pass
				10	NV	0.772	0.0011	-2.5 to 2.5	Pass
				30	NV	0.629	0.0009	-2.5 to 2.5	Pass
				40	NV	-0.987	-0.0014	-2.5 to 2.5	Pass
				50	NV	-2.832	-0.0040	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	LV	-0.844	-0.0012	-2.5 to 2.5	Pass
					NV	-2.332	-0.0033	-2.5 to 2.5	Pass
					HV	-4.306	-0.0061	-2.5 to 2.5	Pass
				-30	NV	0.272	0.0004	-2.5 to 2.5	Pass
				-20	NV	-2.203	-0.0031	-2.5 to 2.5	Pass
				-10	NV	-3.262	-0.0046	-2.5 to 2.5	Pass
				0	NV	-3.805	-0.0054	-2.5 to 2.5	Pass
				10	NV	-1.616	-0.0023	-2.5 to 2.5	Pass

				30	NV	-2.675	-0.0038	-2.5 to 2.5	Pass
				40	NV	-0.873	-0.0012	-2.5 to 2.5	Pass
				50	NV	-3.934	-0.0056	-2.5 to 2.5	Pass
	707.5	50	0	20	LV	-2.961	-0.0042	-2.5 to 2.5	Pass
					NV	-0.815	-0.0012	-2.5 to 2.5	Pass
					HV	-0.887	-0.0013	-2.5 to 2.5	Pass
				-30	NV	-3.519	-0.0050	-2.5 to 2.5	Pass
				-20	NV	-0.687	-0.0010	-2.5 to 2.5	Pass
				-10	NV	-0.601	-0.0008	-2.5 to 2.5	Pass
				0	NV	-3.805	-0.0054	-2.5 to 2.5	Pass
				10	NV	-2.947	-0.0042	-2.5 to 2.5	Pass
				30	NV	-0.687	-0.0010	-2.5 to 2.5	Pass
				40	NV	-0.958	-0.0014	-2.5 to 2.5	Pass
				50	NV	-3.104	-0.0044	-2.5 to 2.5	Pass
	711	50	0	20	LV	-3.190	-0.0045	-2.5 to 2.5	Pass
					NV	-0.973	-0.0014	-2.5 to 2.5	Pass
					HV	-3.648	-0.0051	-2.5 to 2.5	Pass
				-30	NV	-2.947	-0.0041	-2.5 to 2.5	Pass
				-20	NV	-2.861	-0.0040	-2.5 to 2.5	Pass
				-10	NV	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	NV	-2.503	-0.0035	-2.5 to 2.5	Pass
				10	NV	-0.787	-0.0011	-2.5 to 2.5	Pass
				30	NV	-2.503	-0.0035	-2.5 to 2.5	Pass
				40	NV	-1.917	-0.0027	-2.5 to 2.5	Pass
				50	NV	-3.433	-0.0048	-2.5 to 2.5	Pass
16QAM	704	50	0	20	LV	0.830	0.0012	-2.5 to 2.5	Pass
					NV	-0.300	-0.0004	-2.5 to 2.5	Pass
					HV	-4.849	-0.0069	-2.5 to 2.5	Pass
				-30	NV	-4.807	-0.0068	-2.5 to 2.5	Pass
				-20	NV	-0.429	-0.0006	-2.5 to 2.5	Pass
				-10	NV	-0.629	-0.0009	-2.5 to 2.5	Pass
				0	NV	-4.334	-0.0062	-2.5 to 2.5	Pass
				10	NV	-3.119	-0.0044	-2.5 to 2.5	Pass
				30	NV	-1.001	-0.0014	-2.5 to 2.5	Pass
				40	NV	-2.489	-0.0035	-2.5 to 2.5	Pass
				50	NV	-1.831	-0.0026	-2.5 to 2.5	Pass
	707.5	50	0	20	LV	-3.648	-0.0052	-2.5 to 2.5	Pass
					NV	-5.021	-0.0071	-2.5 to 2.5	Pass
					HV	-2.732	-0.0039	-2.5 to 2.5	Pass
				-30	NV	-5.293	-0.0075	-2.5 to 2.5	Pass
				-20	NV	-3.805	-0.0054	-2.5 to 2.5	Pass
				-10	NV	-5.336	-0.0075	-2.5 to 2.5	Pass
				0	NV	-3.576	-0.0051	-2.5 to 2.5	Pass
				10	NV	-3.691	-0.0052	-2.5 to 2.5	Pass
				30	NV	-6.309	-0.0089	-2.5 to 2.5	Pass
				40	NV	-2.990	-0.0042	-2.5 to 2.5	Pass
				50	NV	-1.445	-0.0020	-2.5 to 2.5	Pass
	711	50	0	20	LV	-1.459	-0.0021	-2.5 to 2.5	Pass
					NV	-3.219	-0.0045	-2.5 to 2.5	Pass
					HV	-3.519	-0.0049	-2.5 to 2.5	Pass
				-30	NV	-0.701	-0.0010	-2.5 to 2.5	Pass
				-20	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	NV	-5.021	-0.0071	-2.5 to 2.5	Pass
				0	NV	-0.916	-0.0013	-2.5 to 2.5	Pass
				10	NV	-5.064	-0.0071	-2.5 to 2.5	Pass
				30	NV	-3.948	-0.0056	-2.5 to 2.5	Pass
				40	NV	0.072	0.0001	-2.5 to 2.5	Pass
				50	NV	-2.933	-0.0041	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.1.3 B12_5MHz

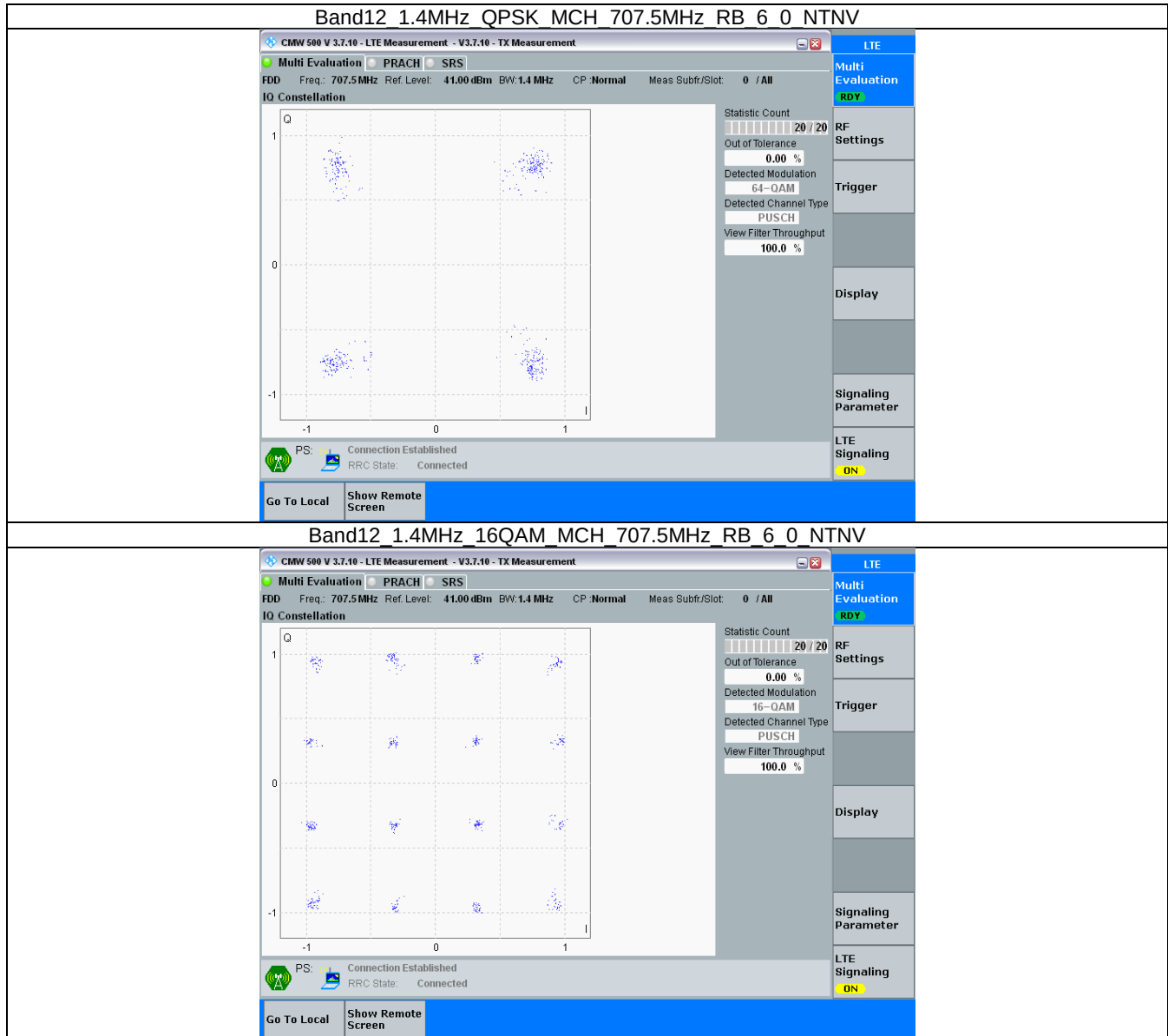
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

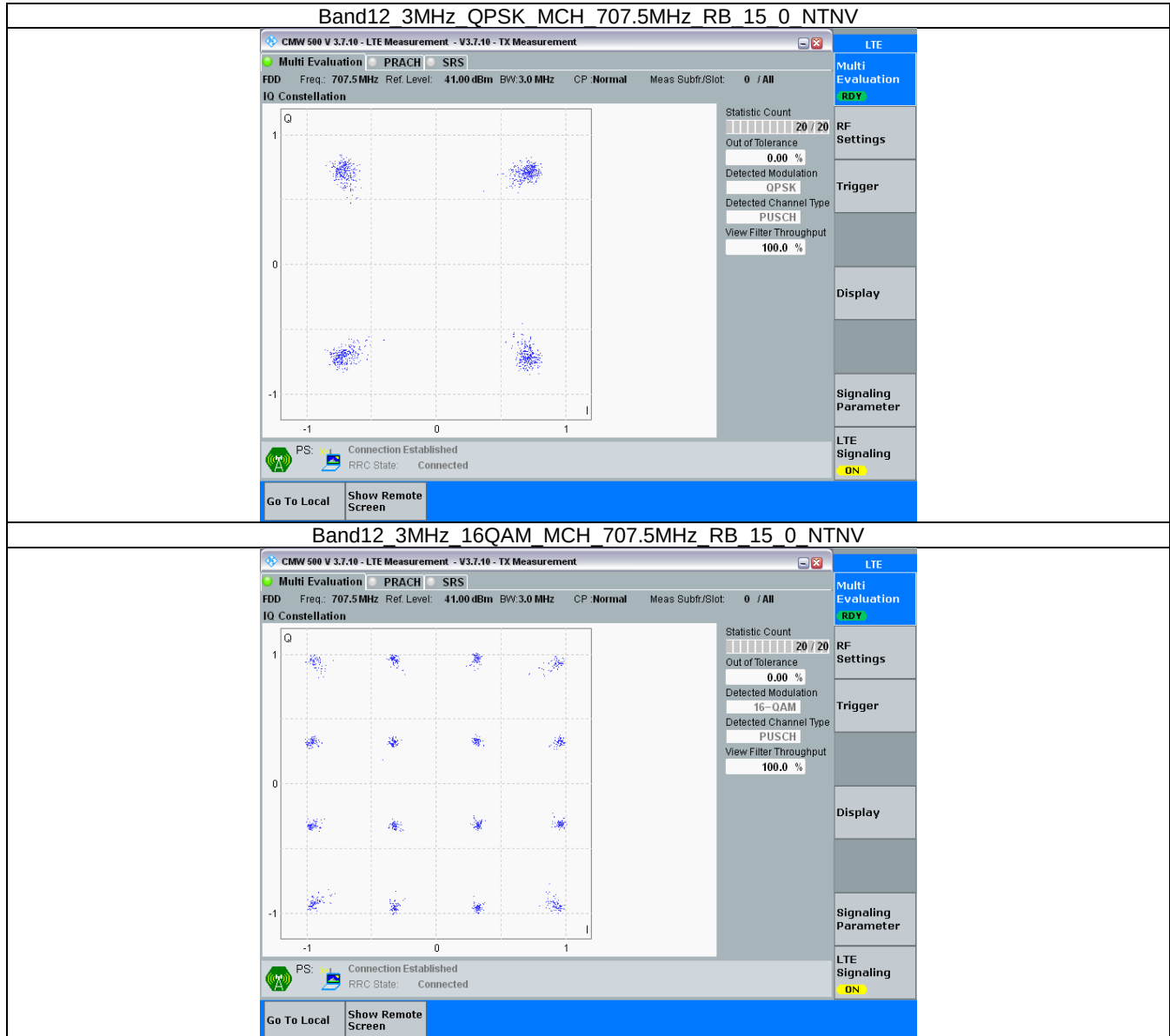
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

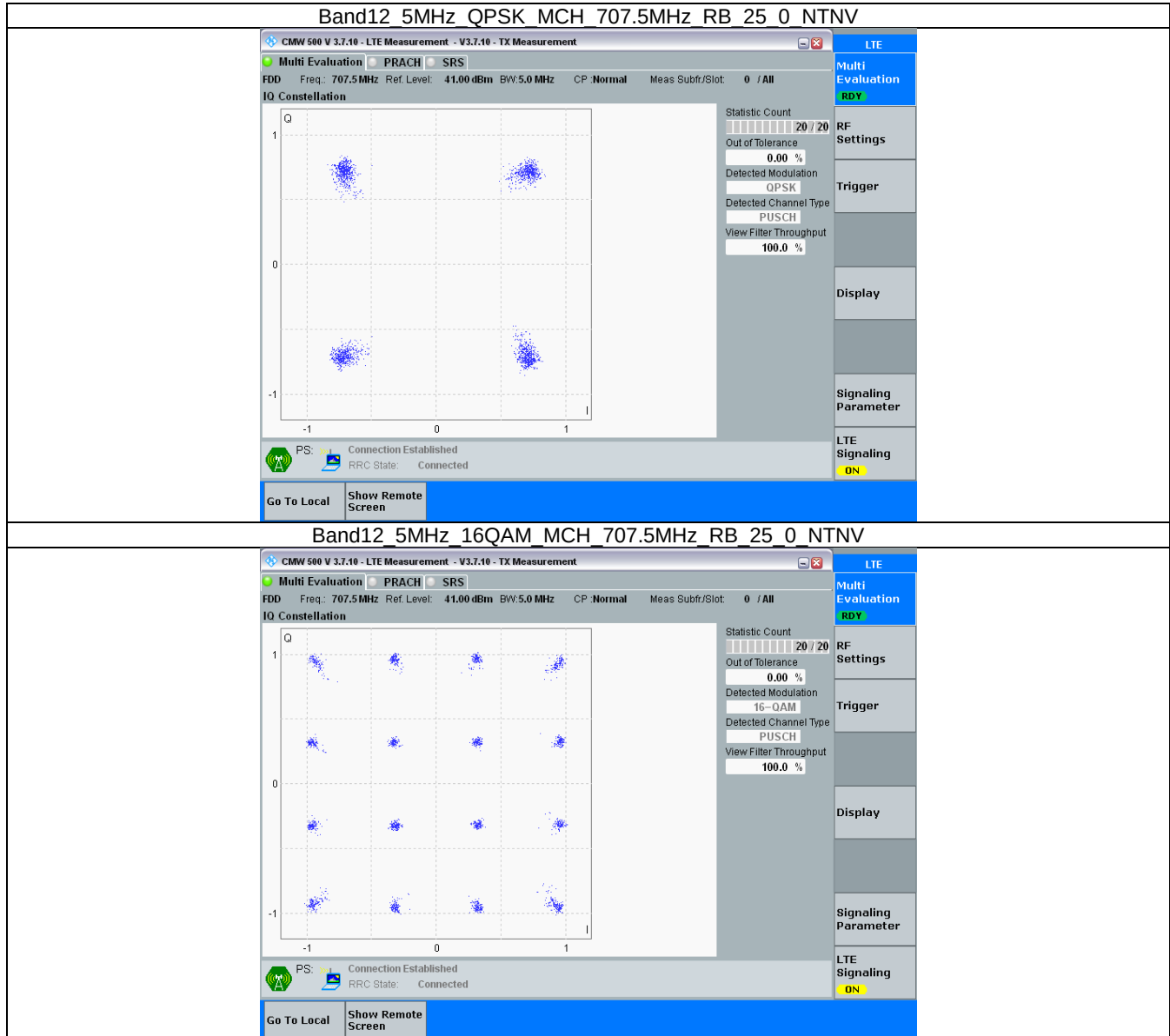
3.2.1 B12_1.4MHz



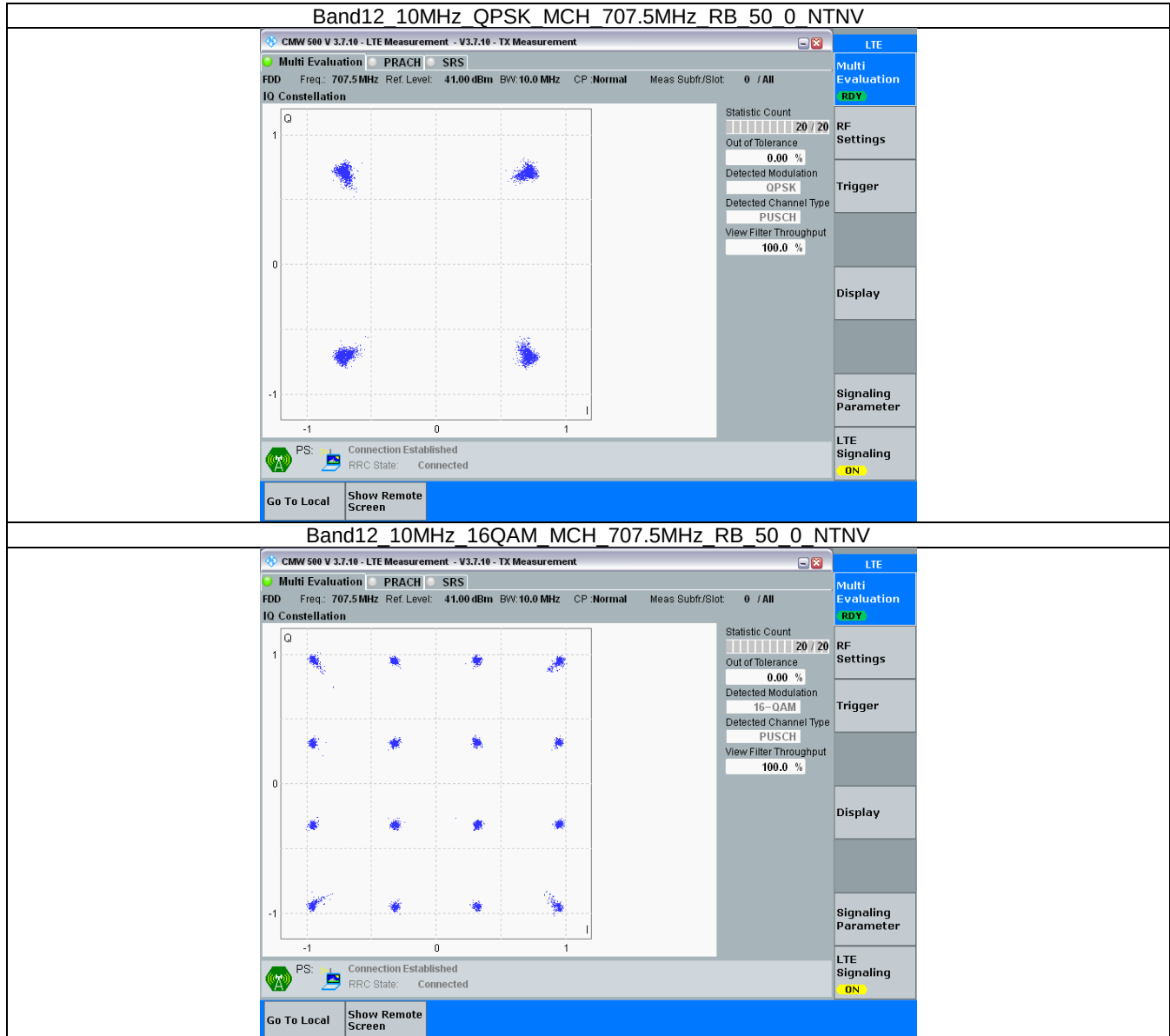
3.2.2 B12_3MHz



3.2.3 B12_5MHz



3.2.4 B12_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.082	/	Pass
		707.5	6	0	1.378	/	Pass
		715.3	6	0	1.188	/	Pass
	16QAM	699.7	6	0	1.080	/	Pass
		707.5	6	0	1.086	/	Pass
		715.3	6	0	1.084	/	Pass
3	QPSK	700.5	15	0	2.682	/	Pass
		707.5	15	0	2.801	/	Pass
		714.5	15	0	2.694	/	Pass
	16QAM	700.5	15	0	2.678	/	Pass
		707.5	15	0	2.676	/	Pass
		714.5	15	0	2.678	/	Pass
5	QPSK	701.5	25	0	4.475	/	Pass
		707.5	25	0	4.555	/	Pass
		713.5	25	0	4.499	/	Pass
	16QAM	701.5	25	0	4.481	/	Pass
		707.5	25	0	4.467	/	Pass
		713.5	25	0	4.477	/	Pass
10	QPSK	704	50	0	9.001	/	Pass
		707.5	50	0	8.961	/	Pass
		711	50	0	9.042	/	Pass
	16QAM	704	50	0	8.959	/	Pass
		707.5	50	0	8.912	/	Pass
		711	50	0	8.967	/	Pass

4.1.2 Band12_XDB

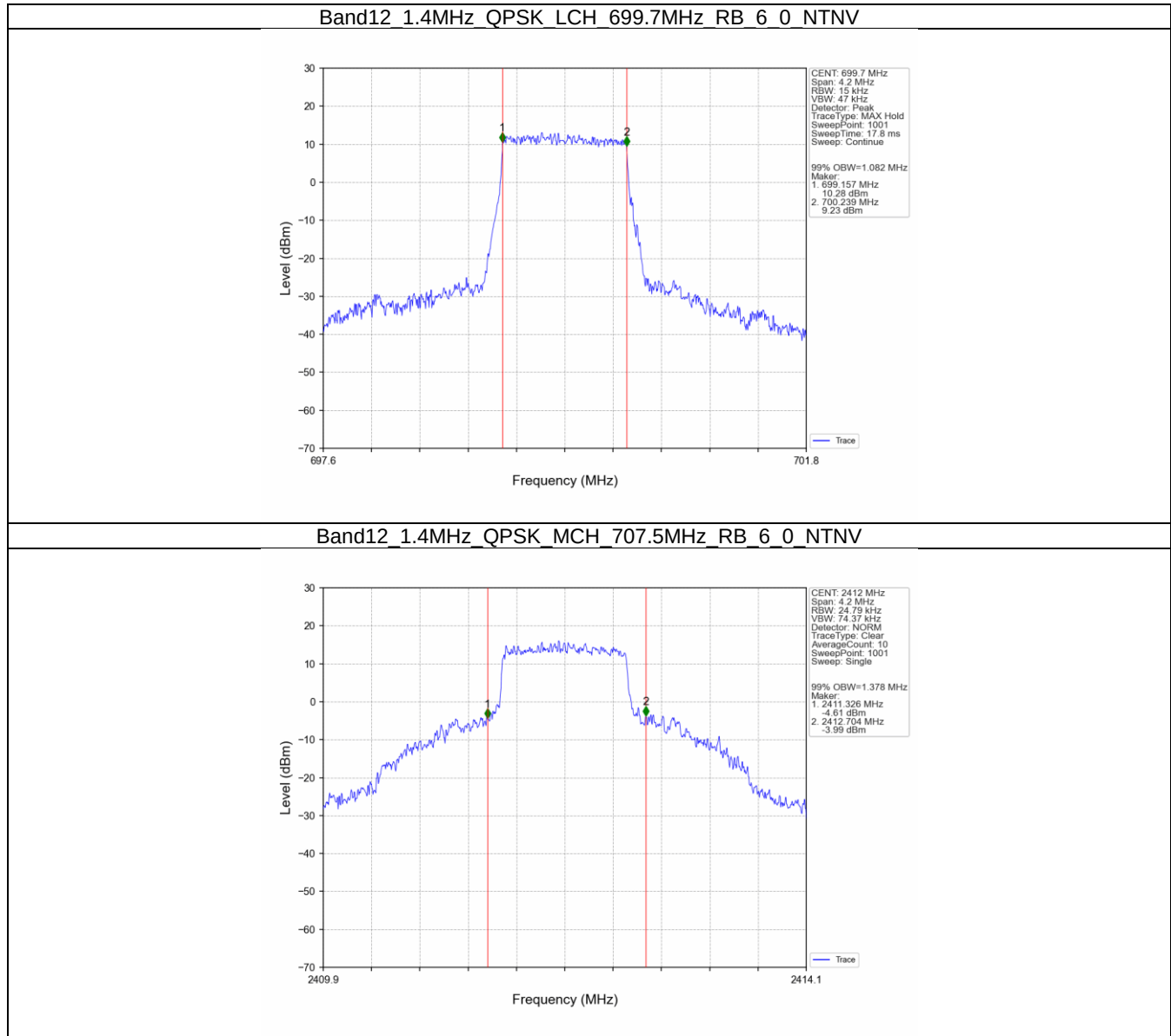
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.265	/	Pass
		707.5	6	0	2.479	/	Pass
		715.3	6	0	2.210	/	Pass
	16QAM	699.7	6	0	1.222	/	Pass
		707.5	6	0	1.259	/	Pass
		715.3	6	0	1.266	/	Pass
3	QPSK	700.5	15	0	2.918	/	Pass
		707.5	15	0	6.128	/	Pass
		714.5	15	0	3.237	/	Pass
	16QAM	700.5	15	0	2.914	/	Pass
		707.5	15	0	2.920	/	Pass
		714.5	15	0	2.889	/	Pass
5	QPSK	701.5	25	0	4.853	/	Pass
		707.5	25	0	11.274	/	Pass
		713.5	25	0	5.645	/	Pass
	16QAM	701.5	25	0	4.864	/	Pass
		707.5	25	0	5.221	/	Pass
		713.5	25	0	4.843	/	Pass
10	QPSK	704	50	0	12.181	/	Pass



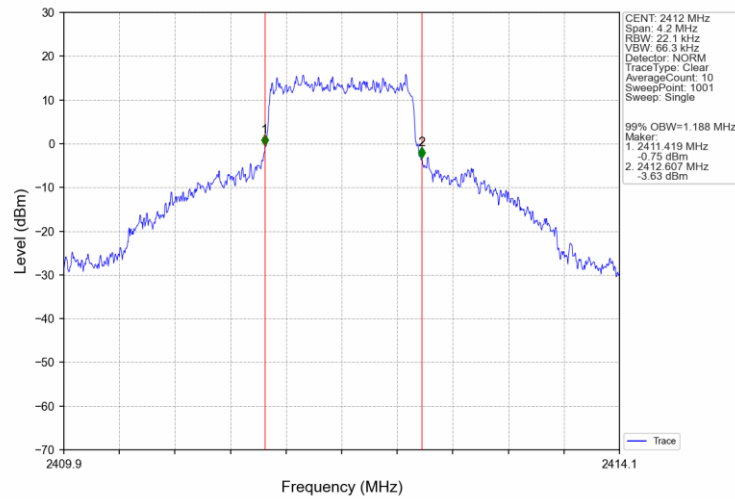
		707.5	50	0	11.015	/	Pass
		711	50	0	11.435	/	Pass
	16QAM	704	50	0	9.623	/	Pass
		707.5	50	0	9.475	/	Pass
		711	50	0	9.538	/	Pass

4.2 Test Graph

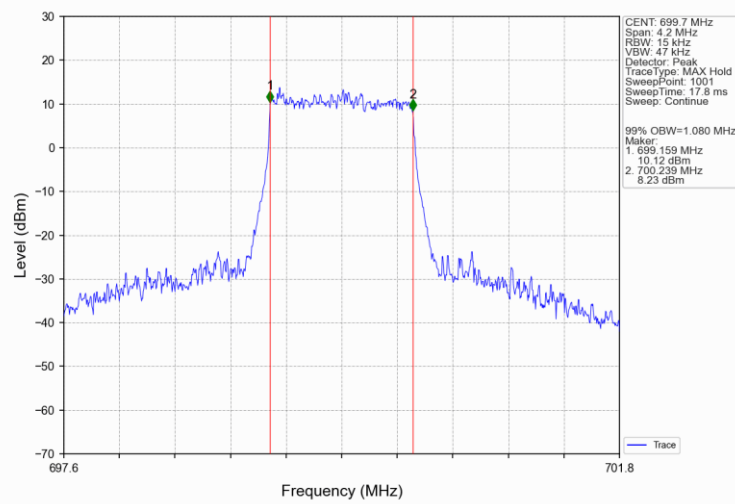
4.2.1 Band12_OBW



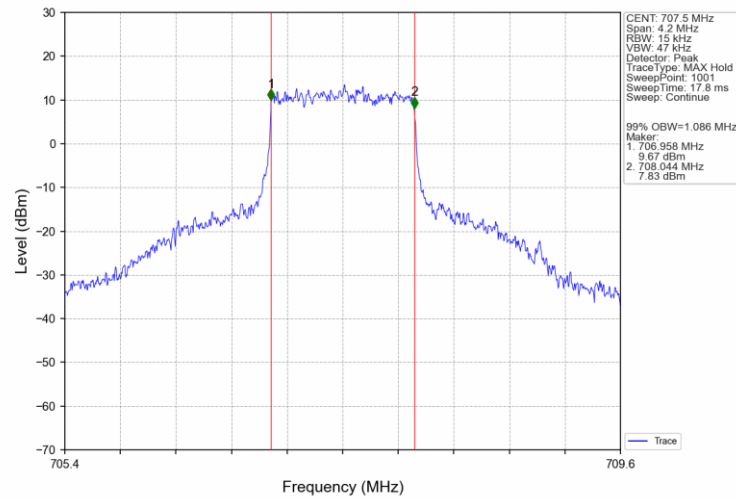
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



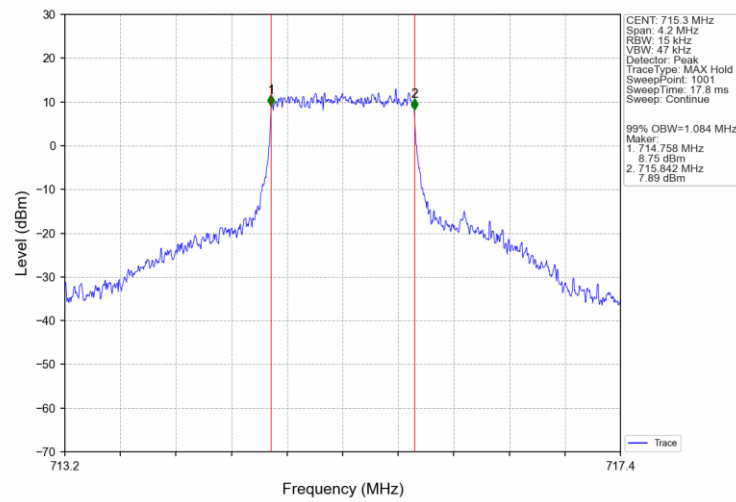
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



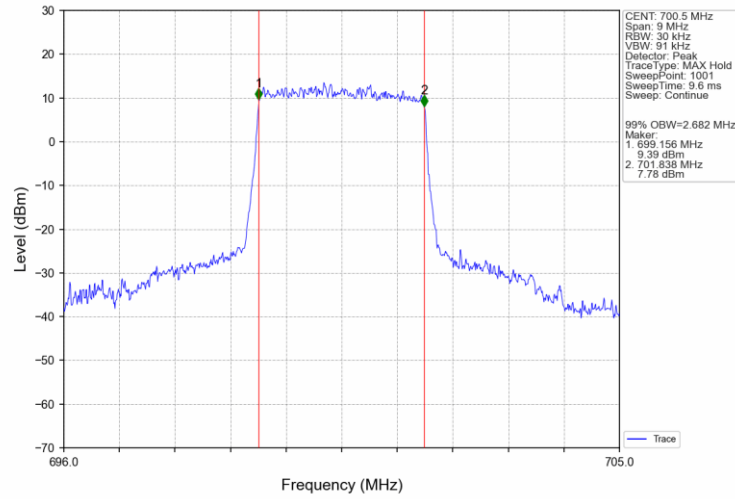
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



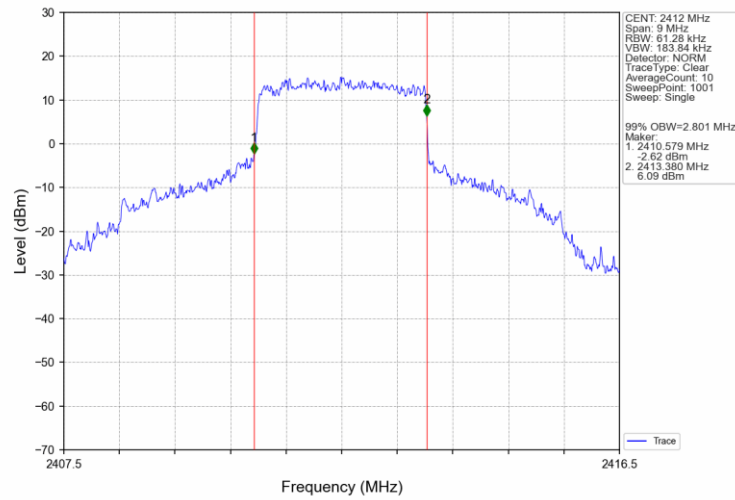
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



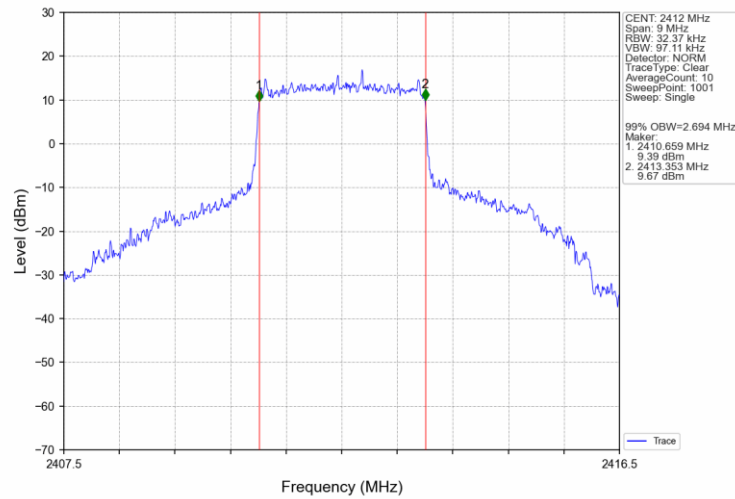
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



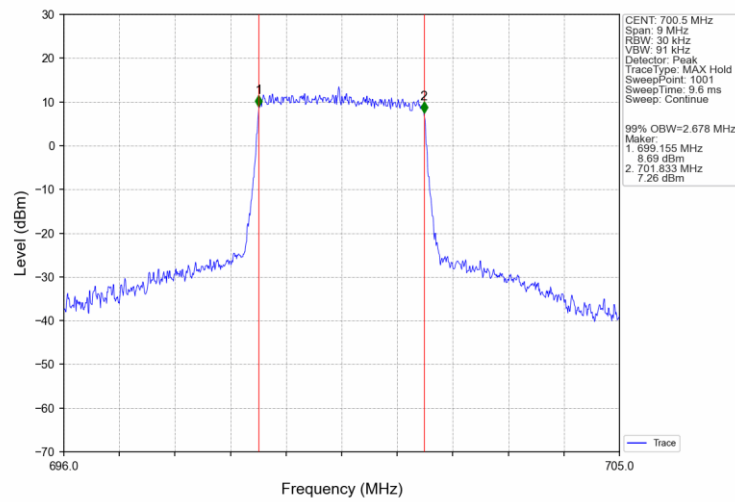
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



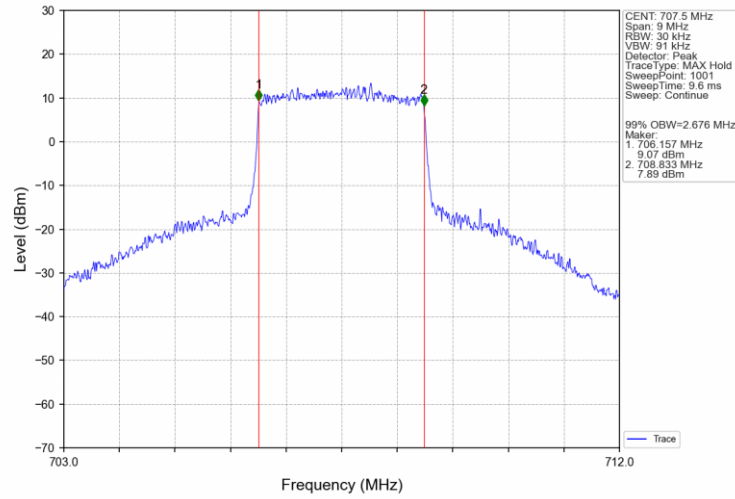
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



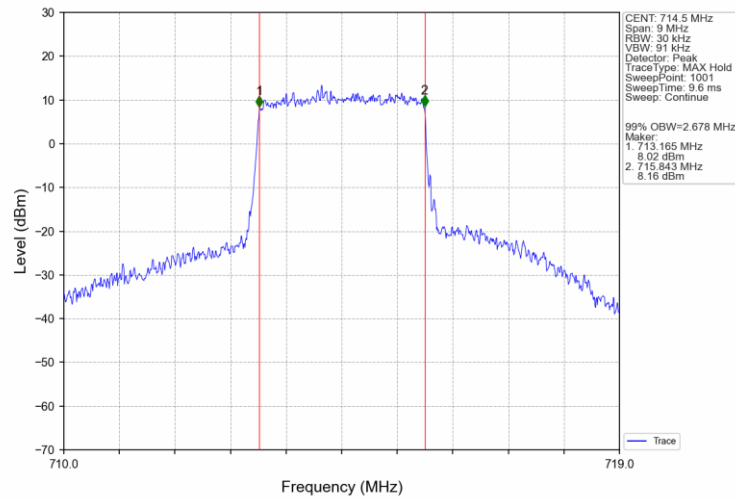
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



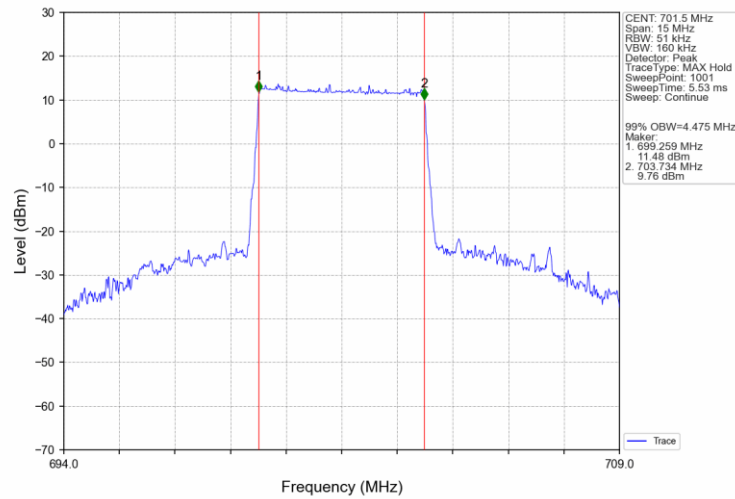
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



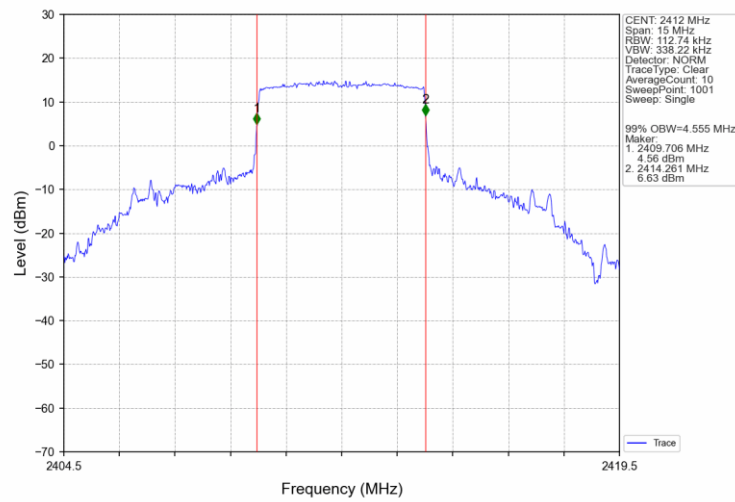
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



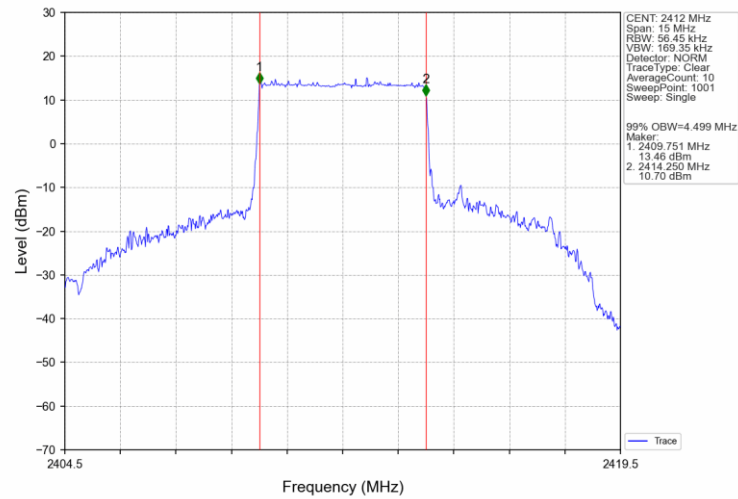
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



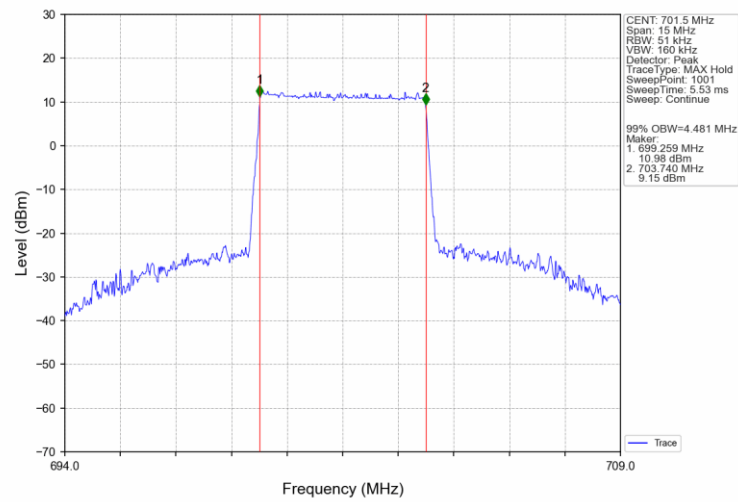
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



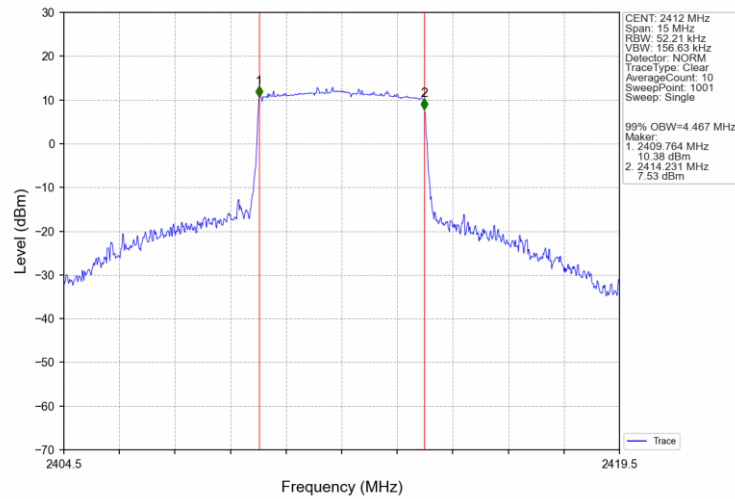
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



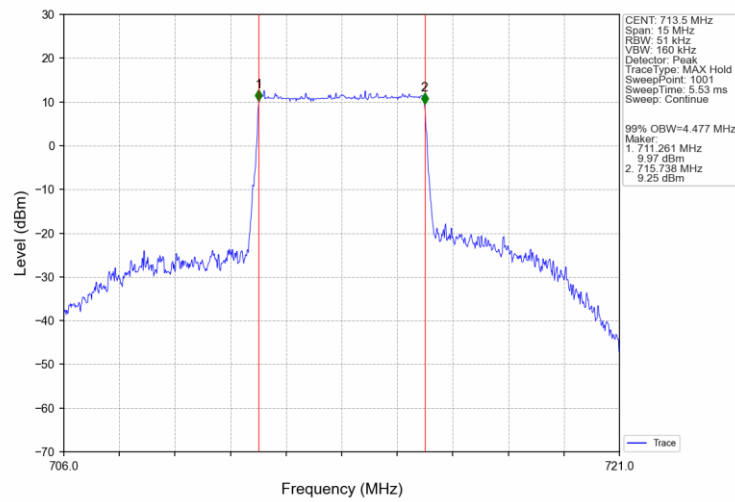
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



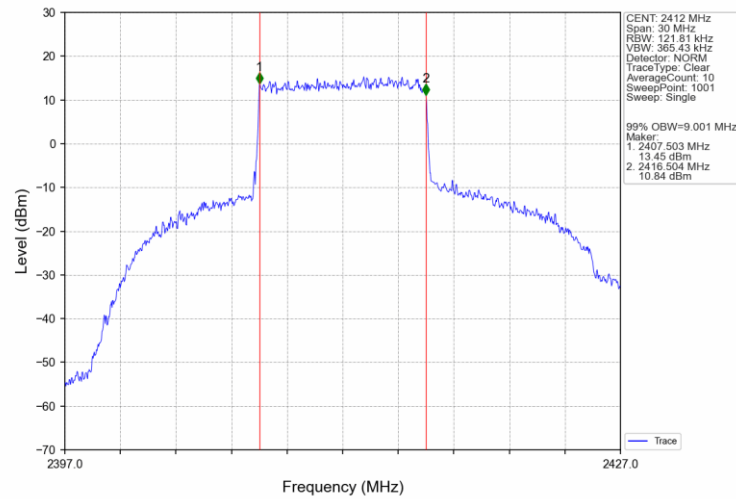
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



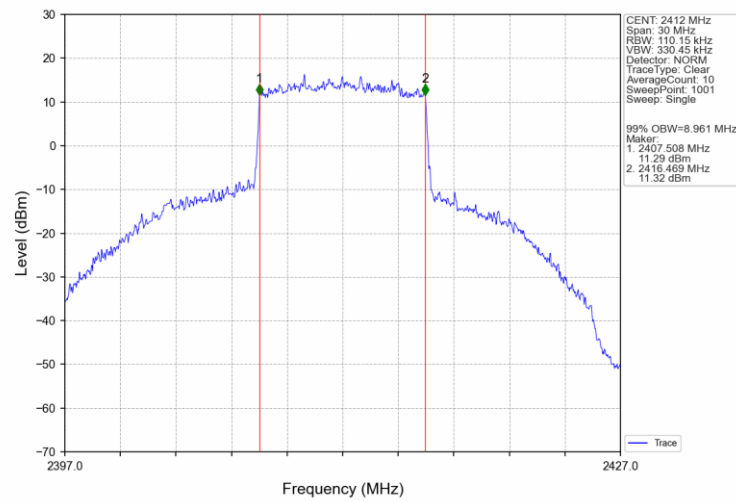
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



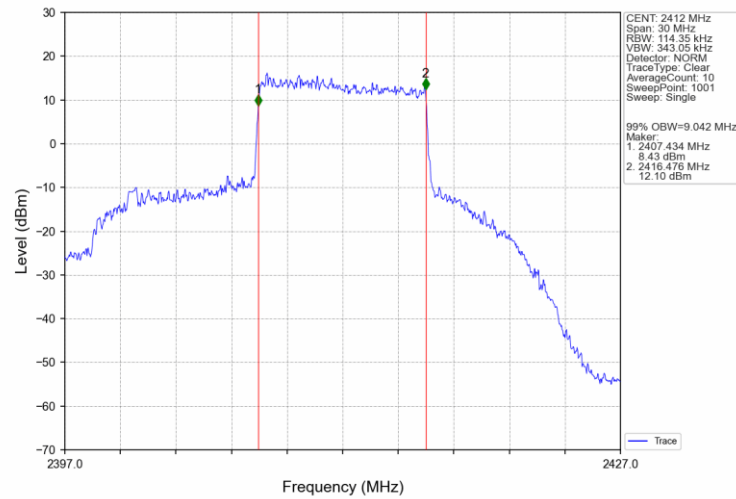
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



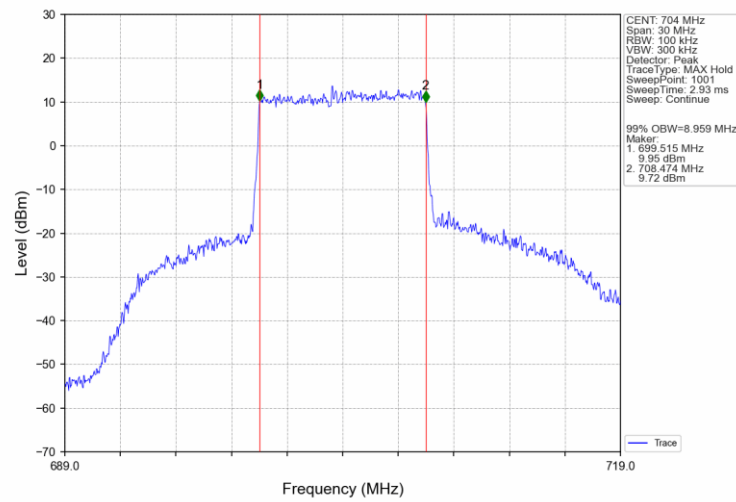
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



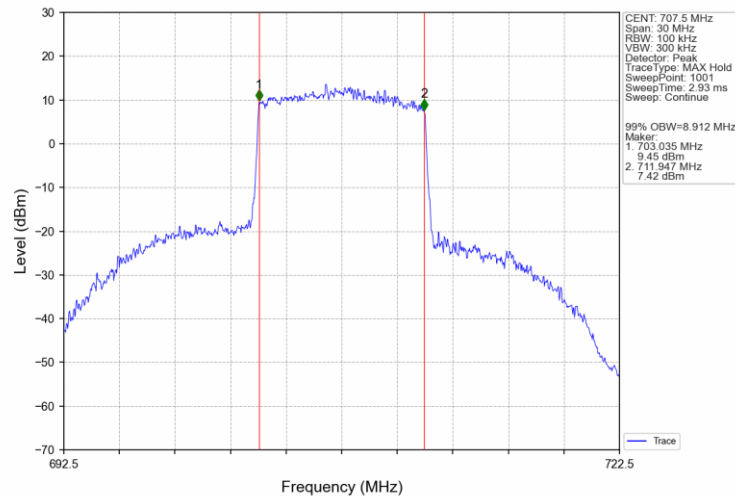
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



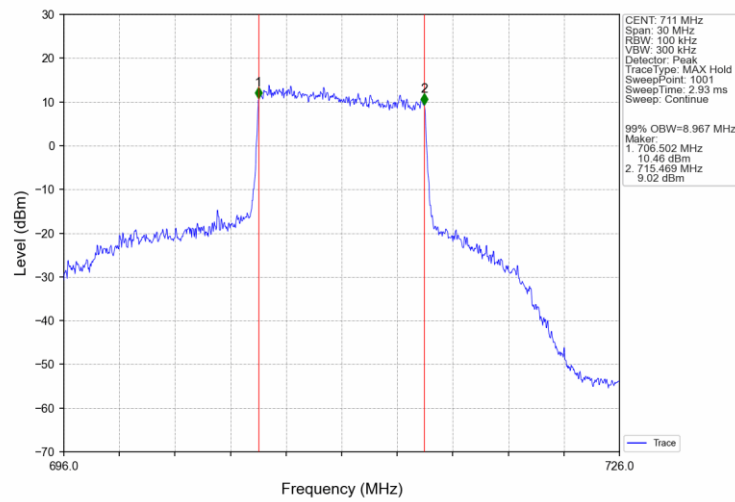
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTN

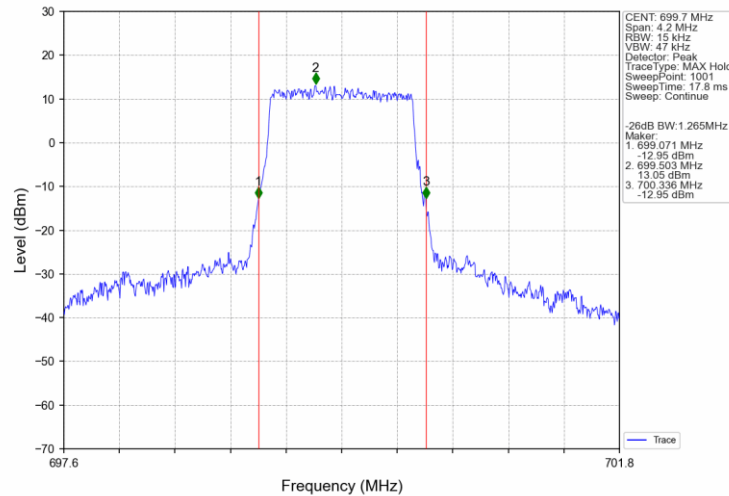


Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN

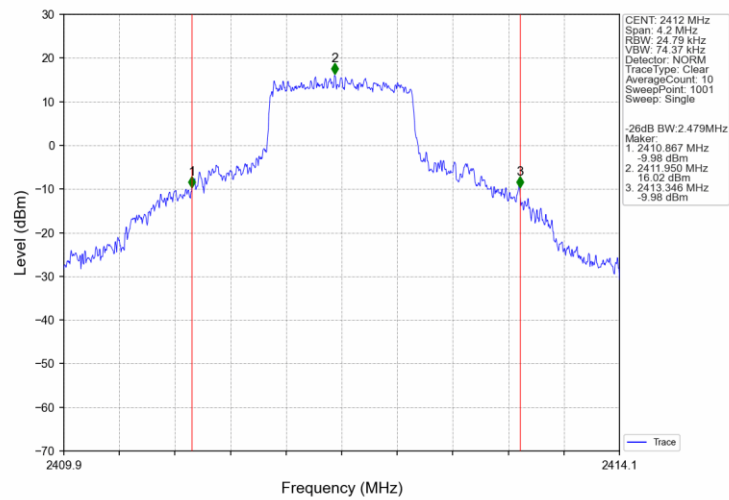


4.2.2 Band12_XDB

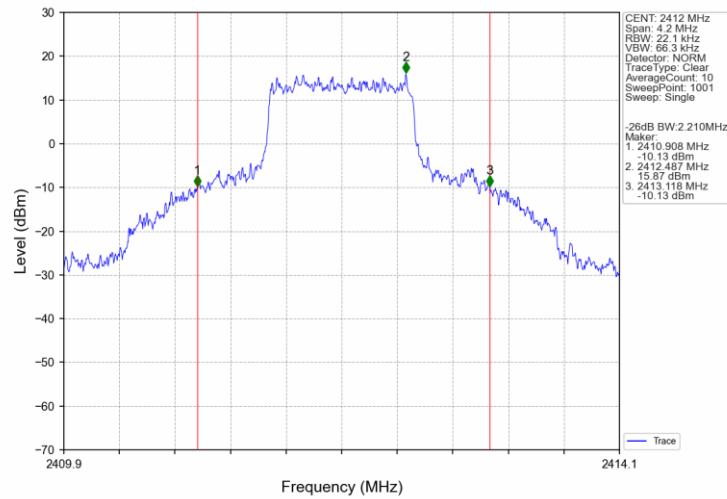
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



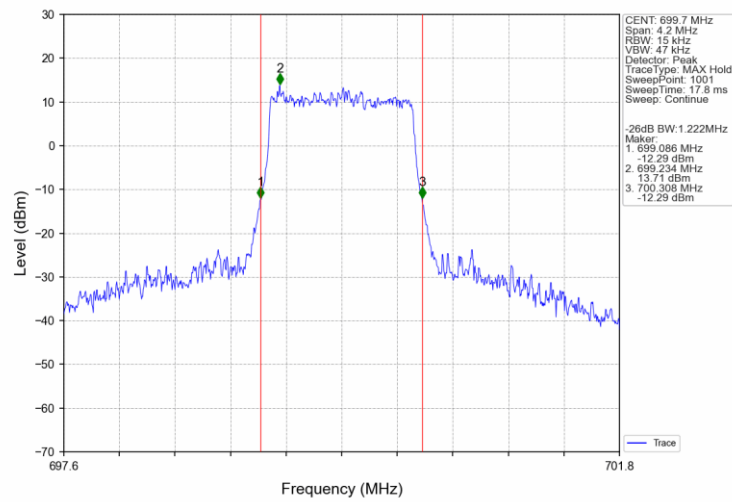
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTV



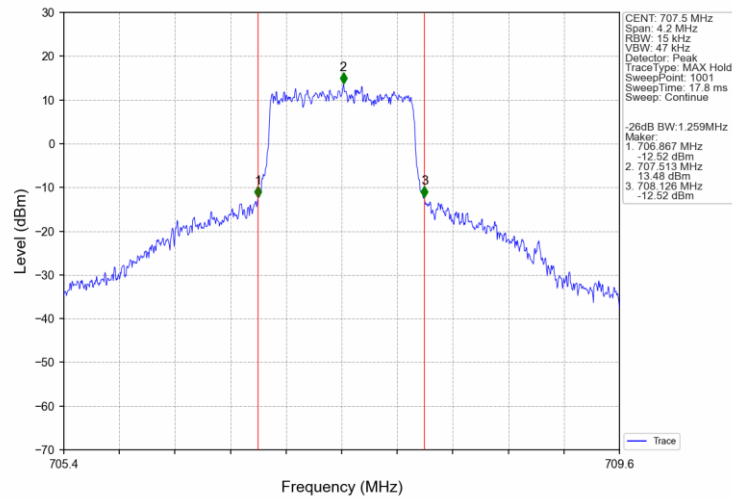
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



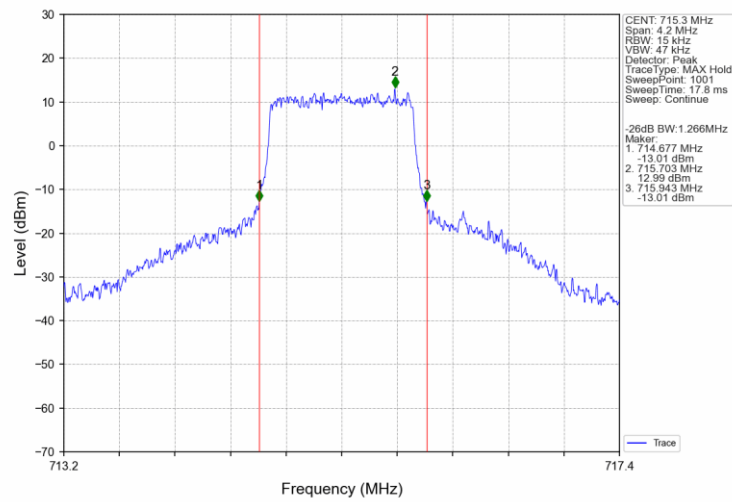
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



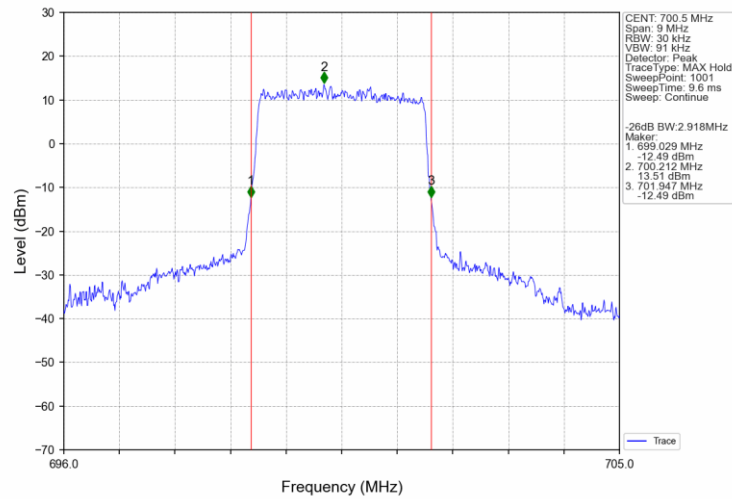
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



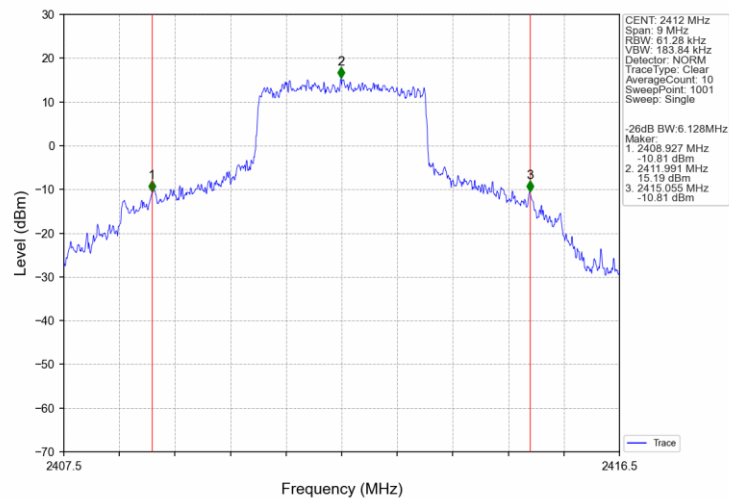
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



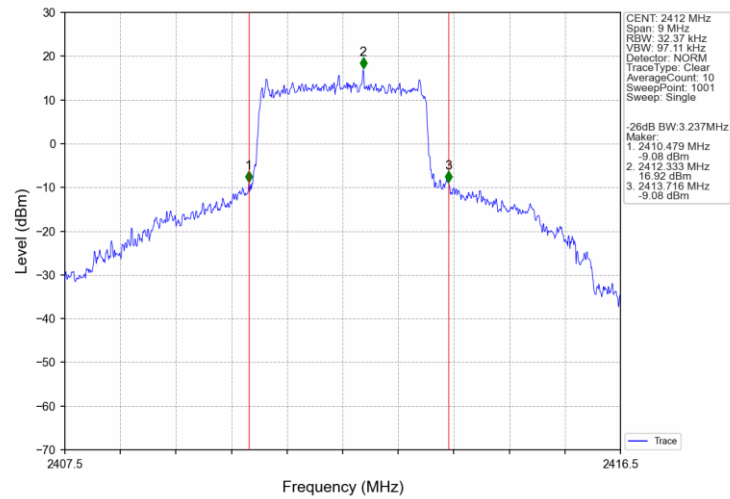
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



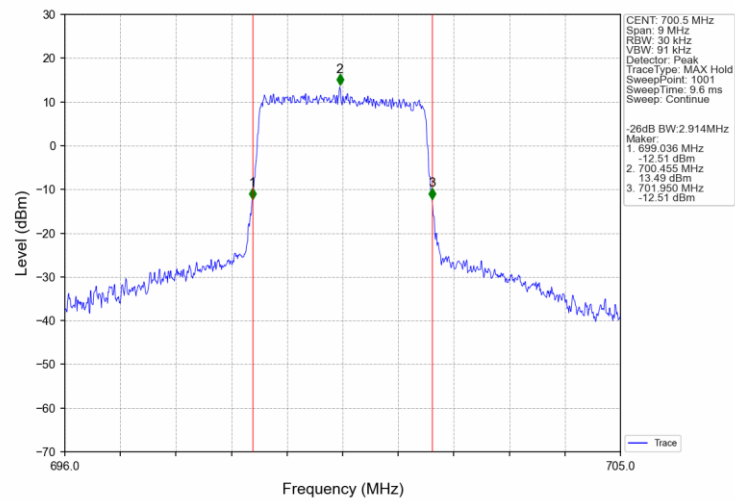
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



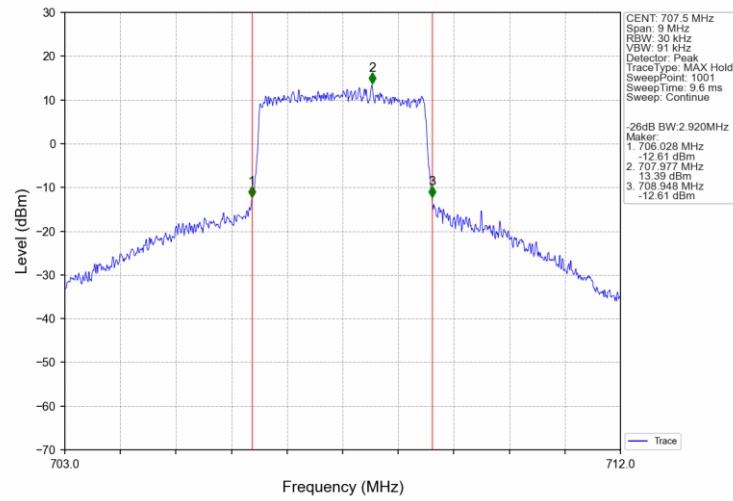
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



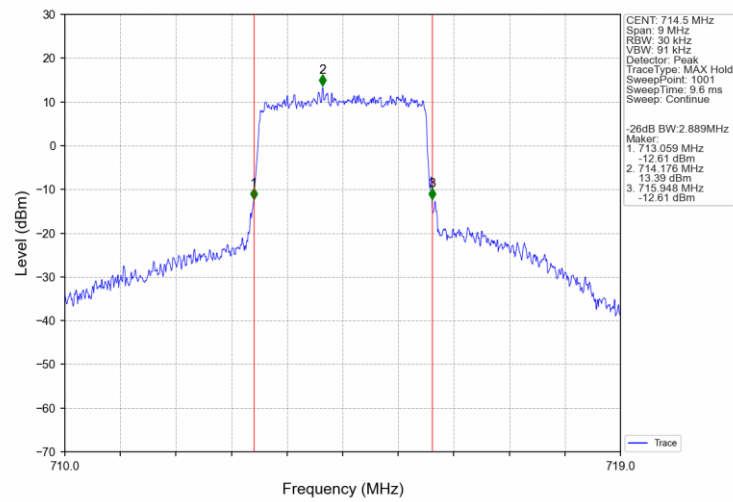
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



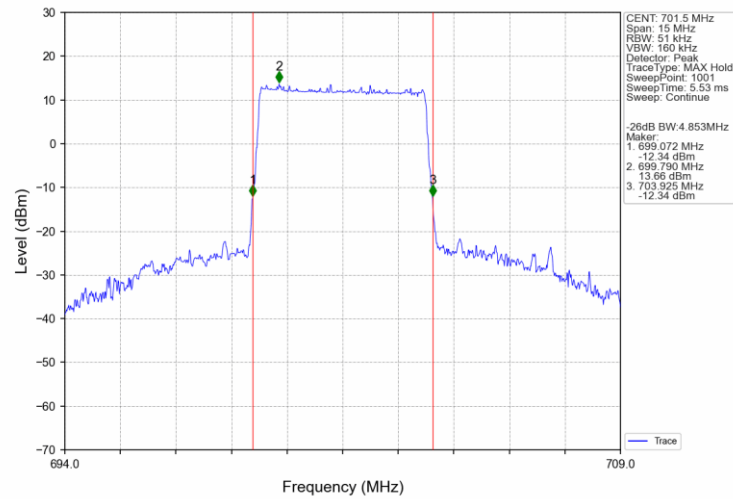
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTN



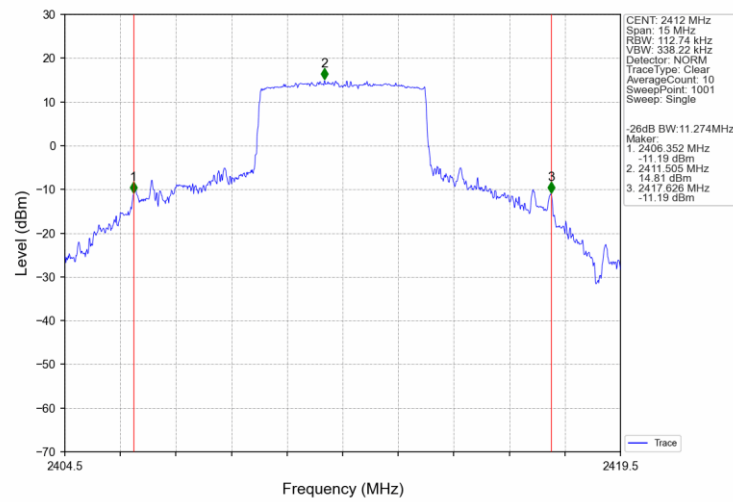
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTN



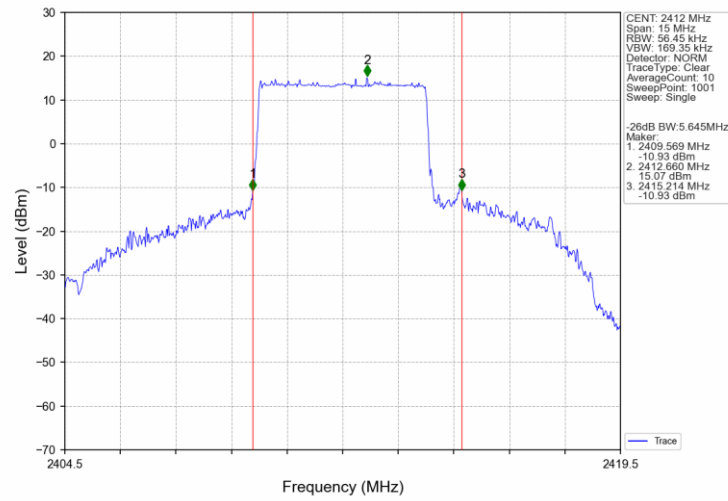
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



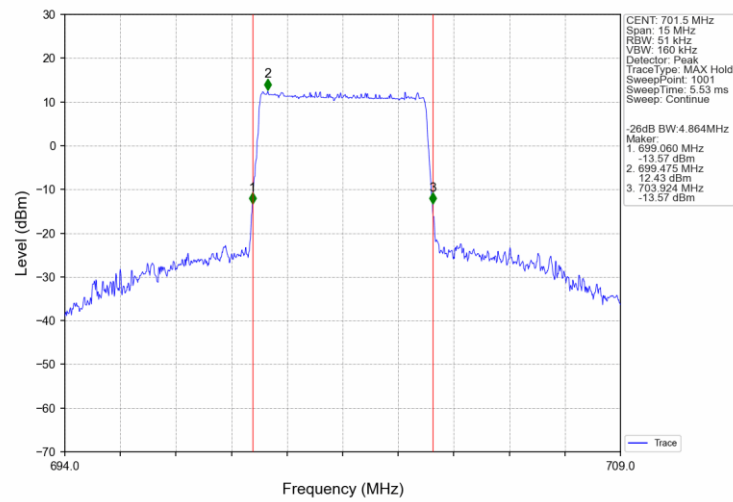
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



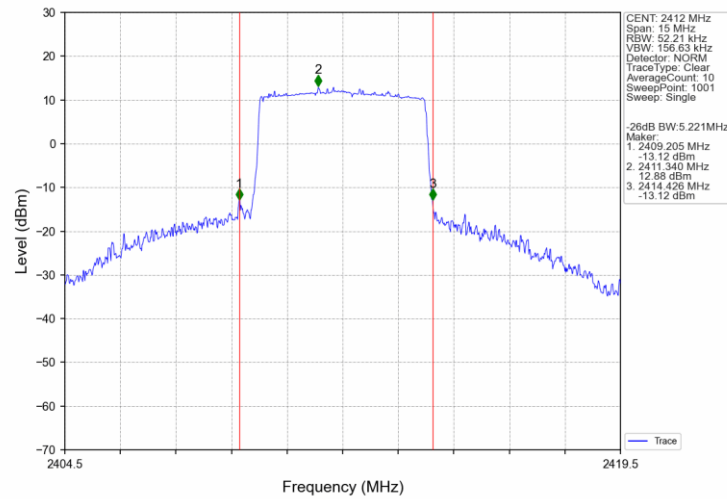
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



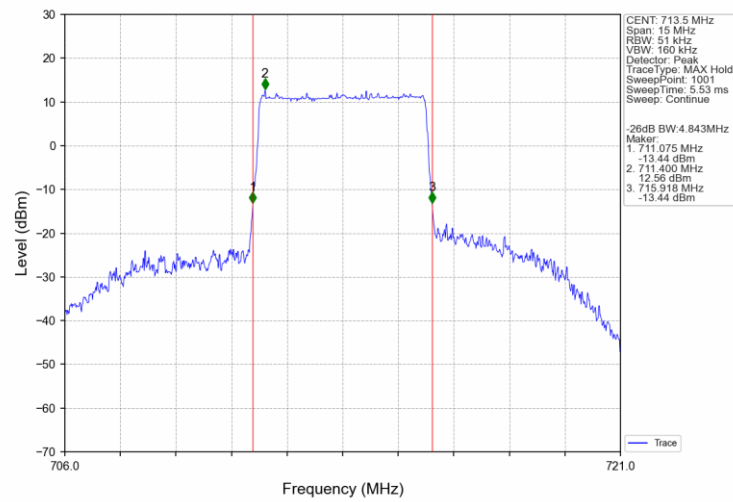
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



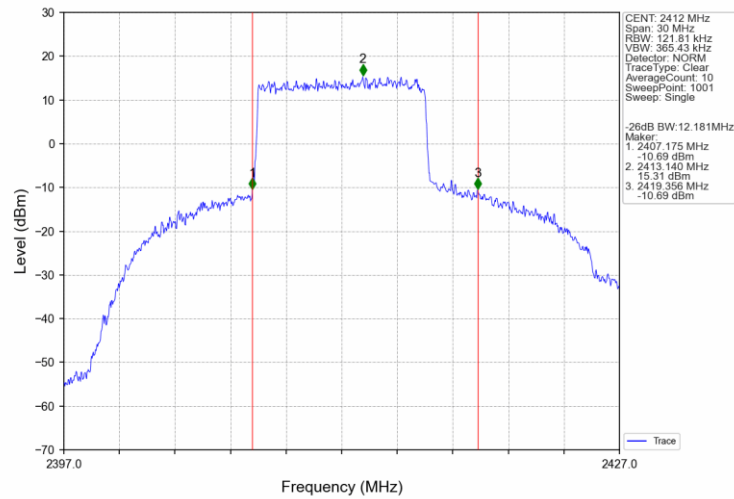
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



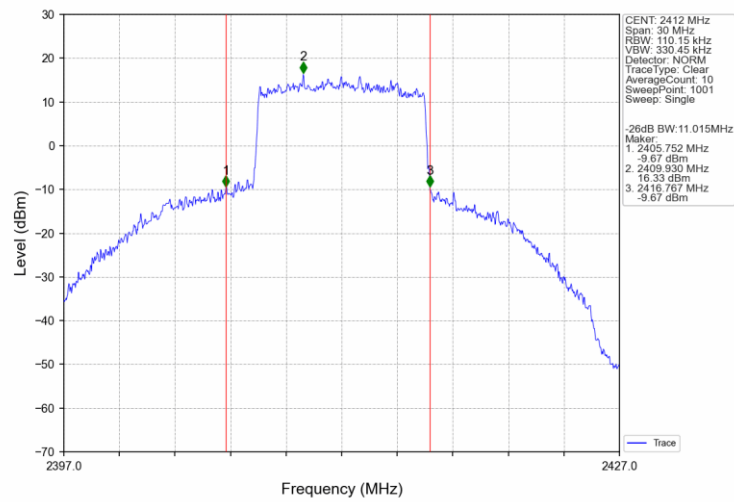
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



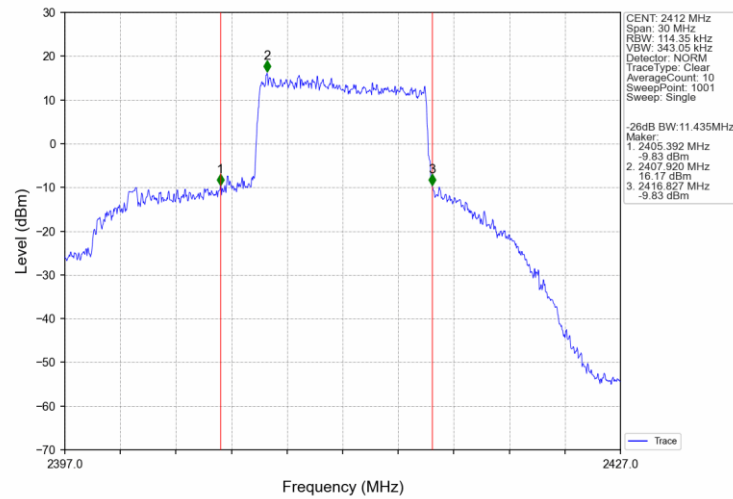
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



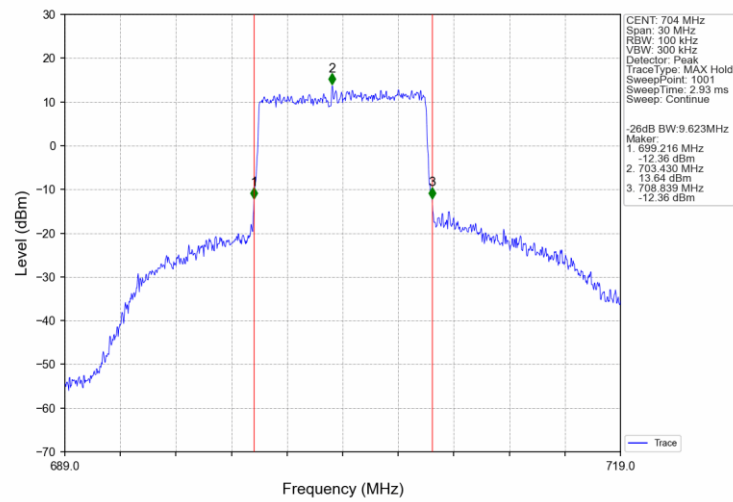
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



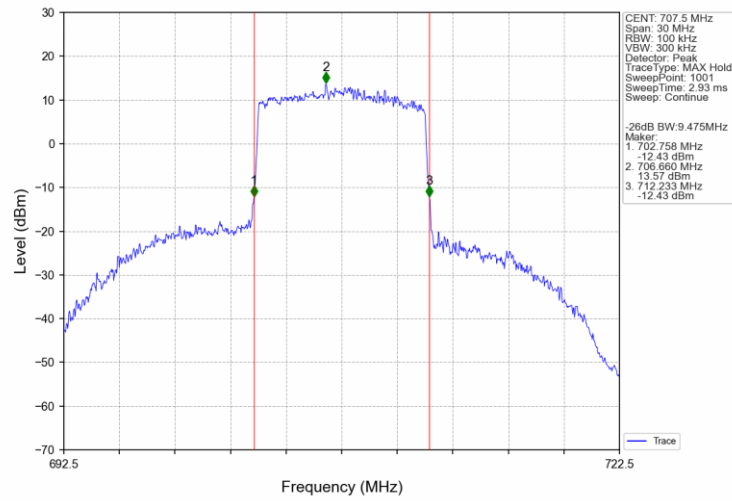
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



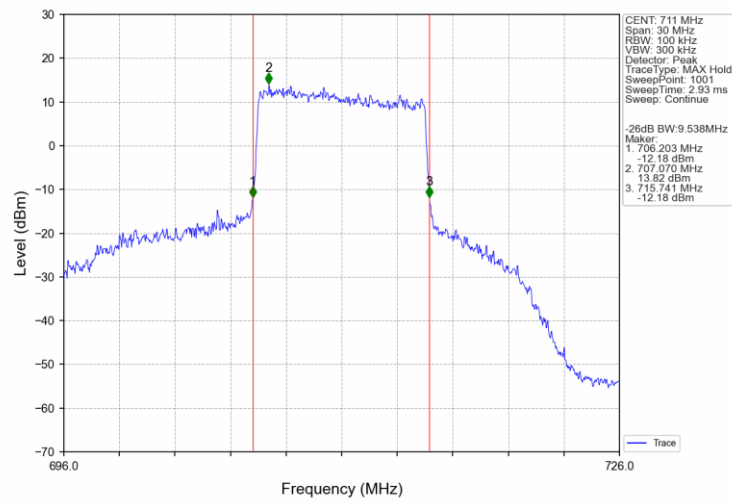
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.78	<=13	Pass
	707.5	6	0	2.07	<=13	Pass
	715.3	6	0	2.12	<=13	Pass
16QAM	699.7	6	0	6.49	<=13	Pass
	707.5	6	0	3.99	<=13	Pass
	715.3	6	0	4.35	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.86	<=13	Pass
	707.5	15	0	2.35	<=13	Pass
	714.5	15	0	3.16	<=13	Pass
16QAM	700.5	15	0	6.66	<=13	Pass
	707.5	15	0	4.16	<=13	Pass
	714.5	15	0	5.14	<=13	Pass

5.1.3 B12_5MHz

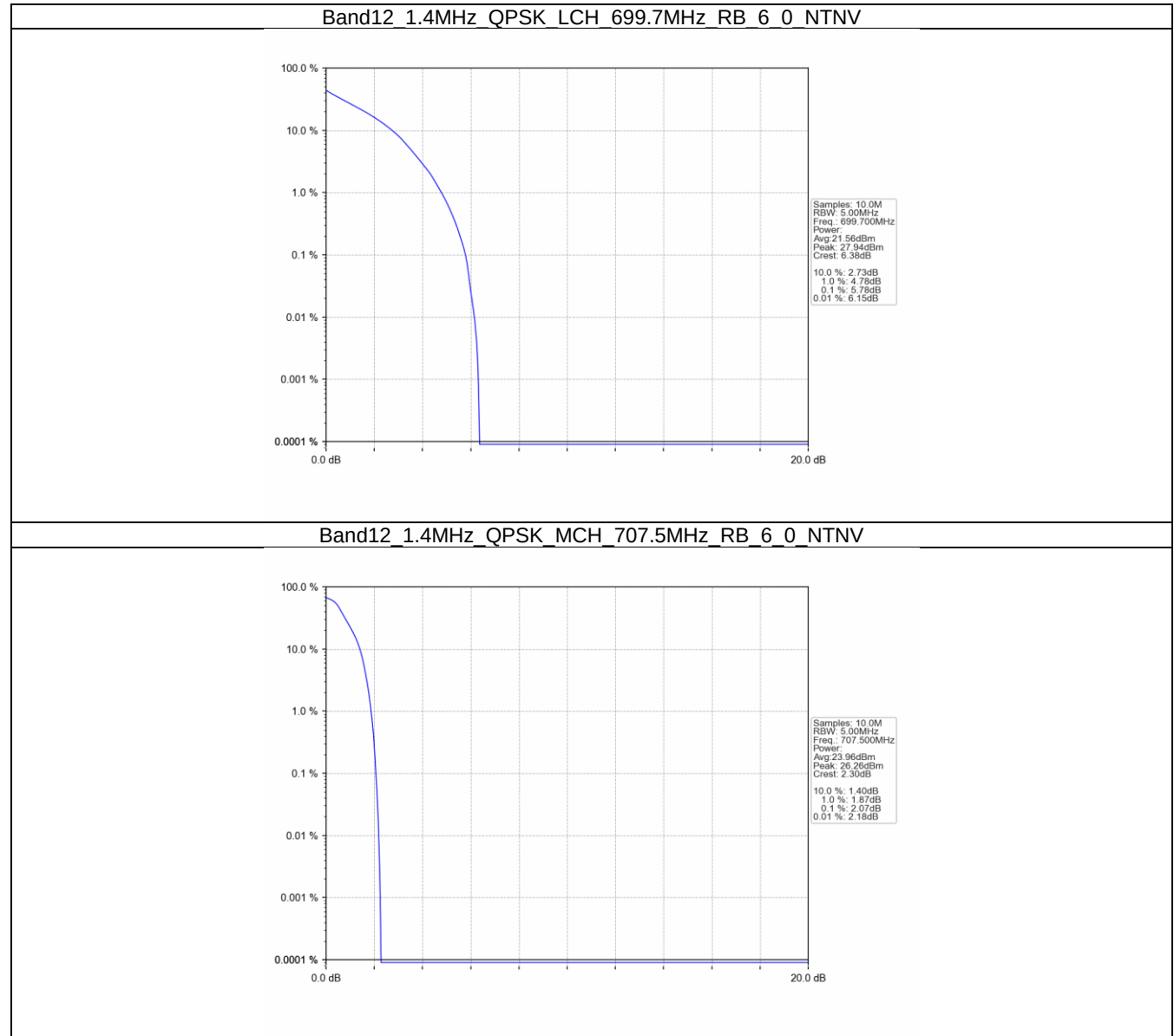
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.80	<=13	Pass
	707.5	25	0	3.35	<=13	Pass
	713.5	25	0	4.50	<=13	Pass
16QAM	701.5	25	0	6.53	<=13	Pass
	707.5	25	0	4.80	<=13	Pass
	713.5	25	0	6.03	<=13	Pass

5.1.4 B12_10MHz

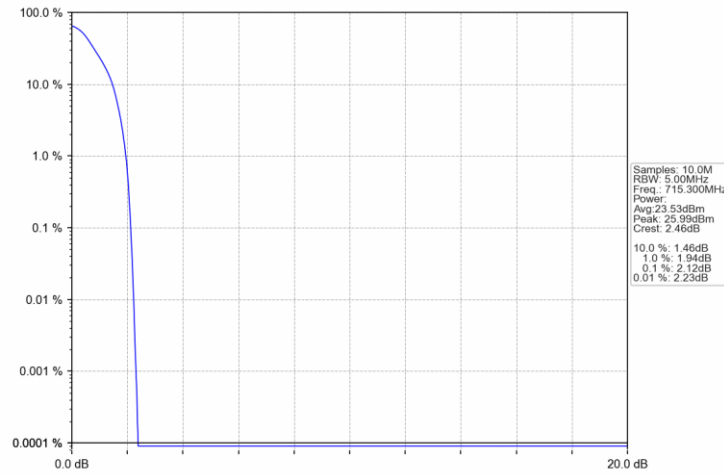
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	4.48	<=13	Pass
	707.5	50	0	4.29	<=13	Pass
	711	50	0	4.43	<=13	Pass
16QAM	704	50	0	5.75	<=13	Pass
	707.5	50	0	5.51	<=13	Pass
	711	50	0	5.62	<=13	Pass

5.2 Test Graph

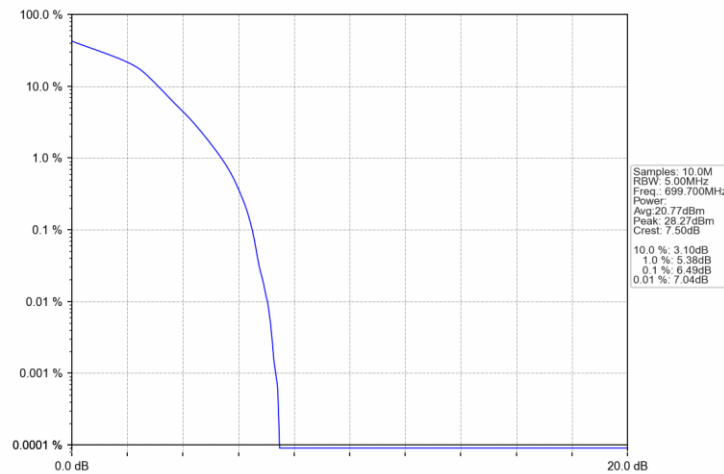
5.2.1 B12_1.4MHz



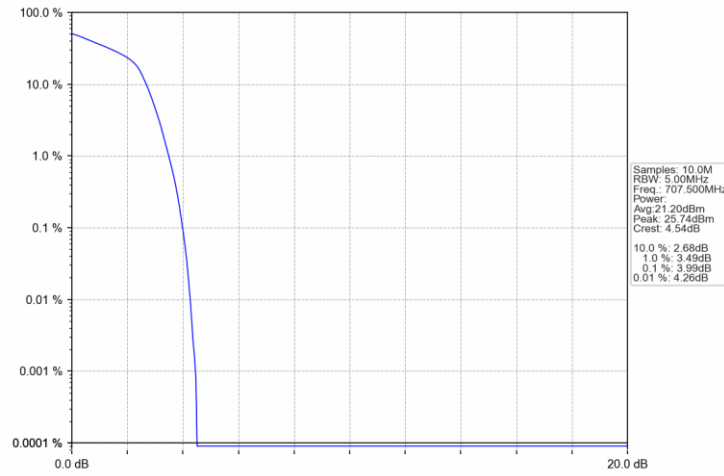
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



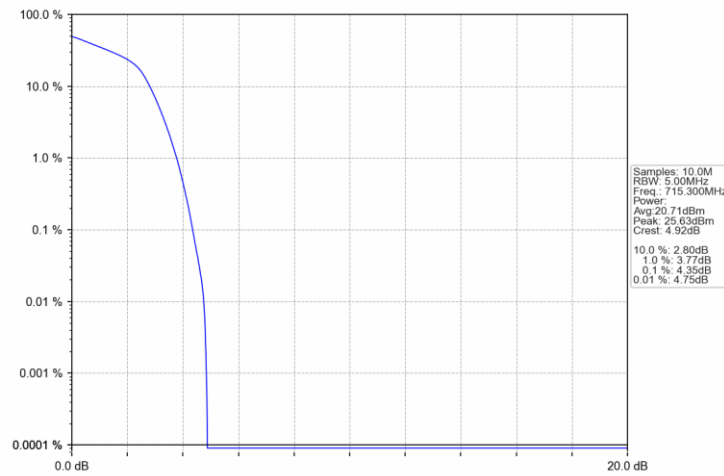
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV

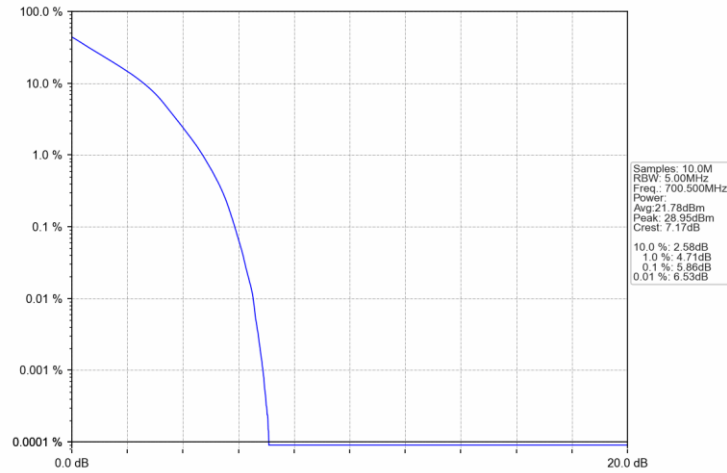


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

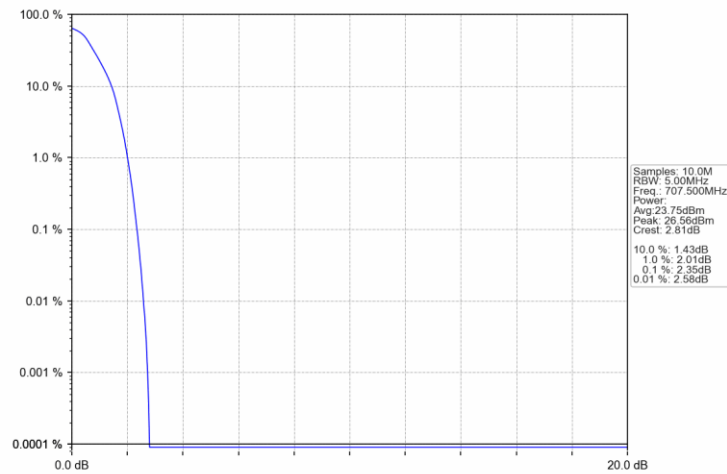


5.2.2 B12_3MHz

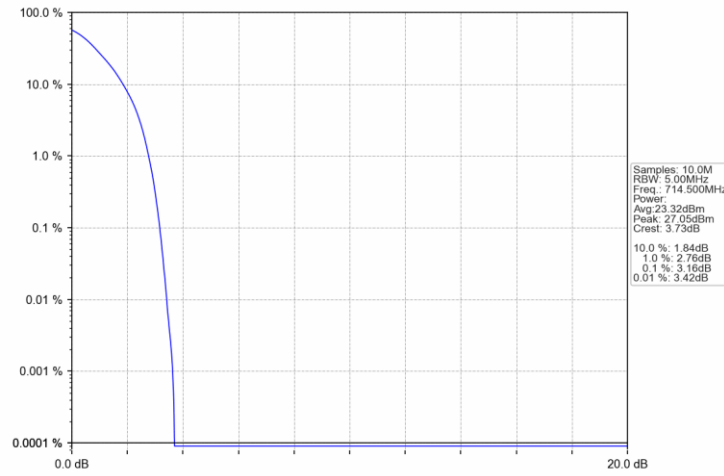
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



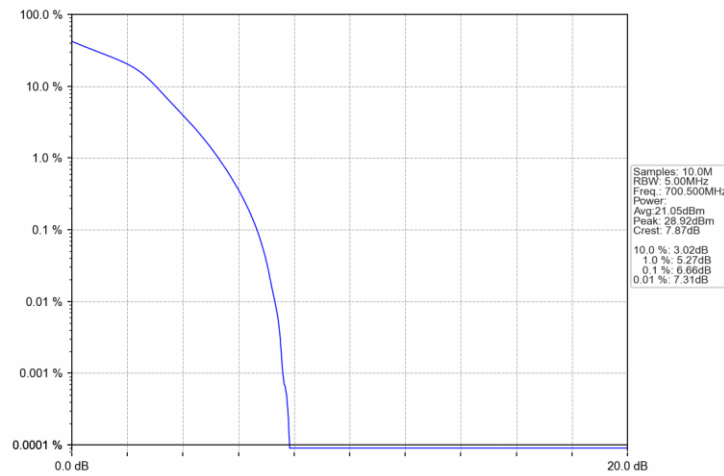
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



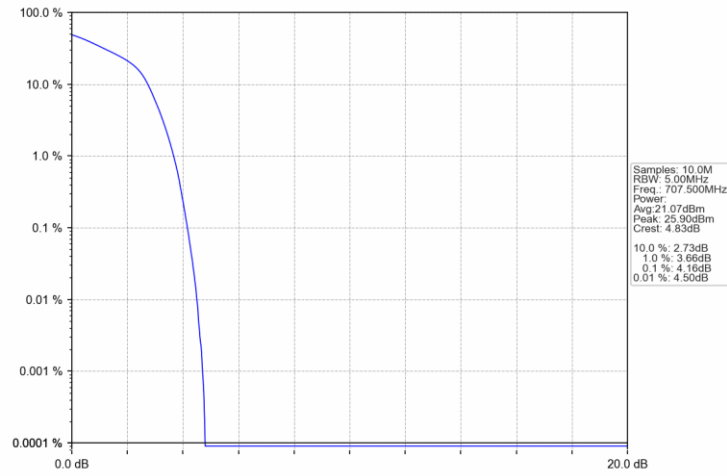
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



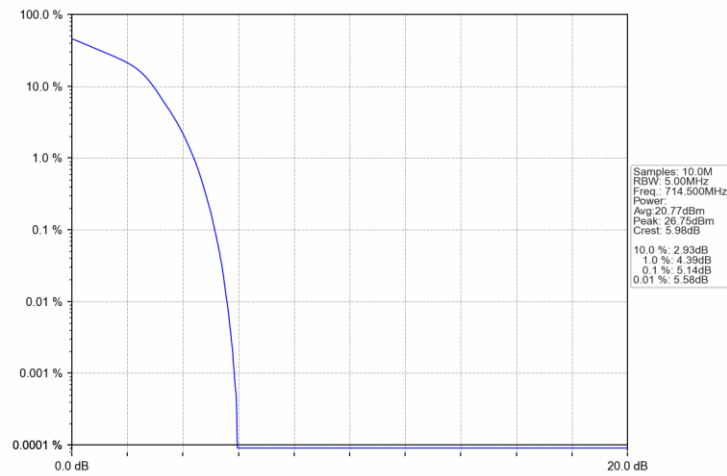
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV

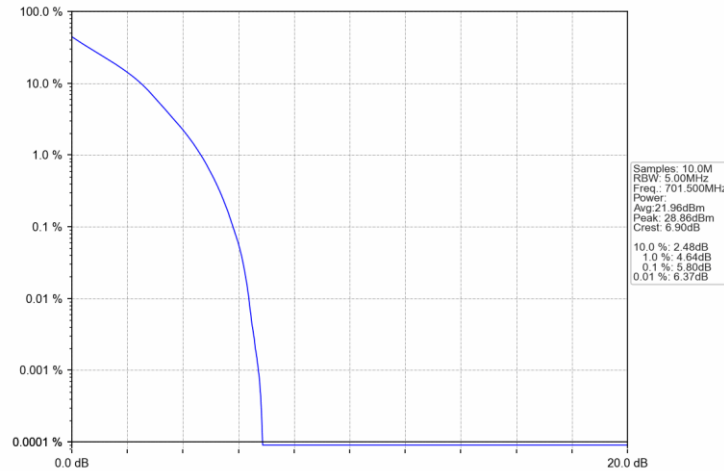


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV

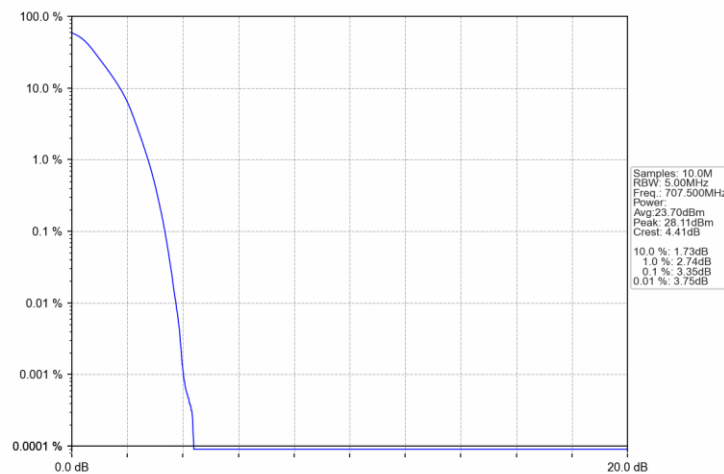


5.2.3 B12_5MHz

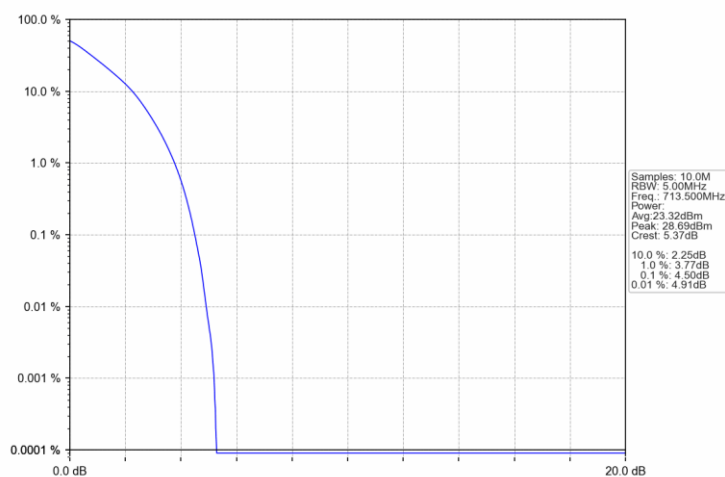
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



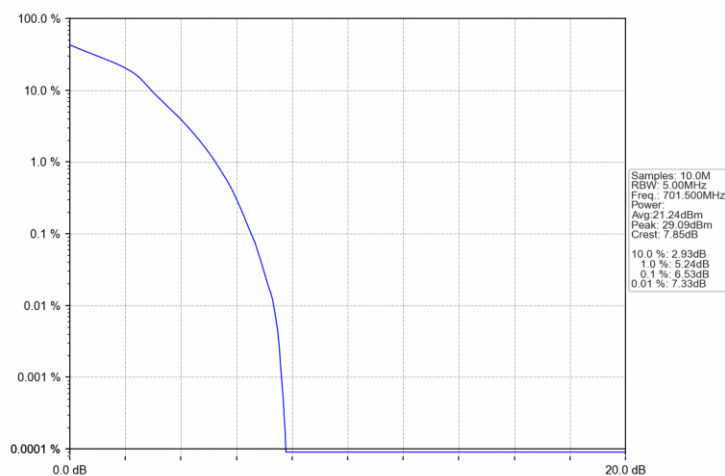
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



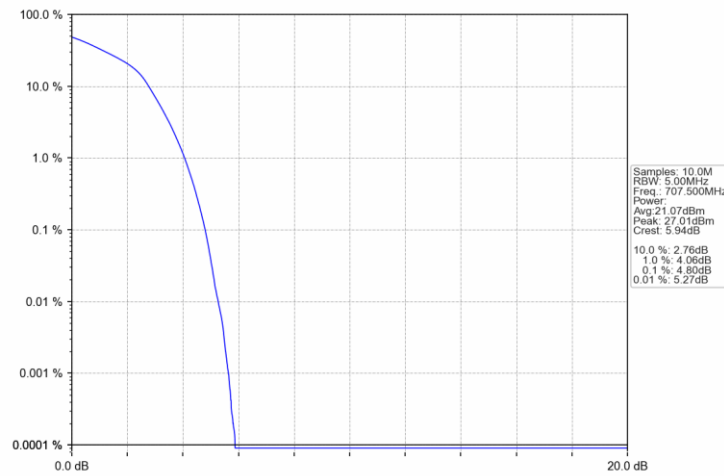
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



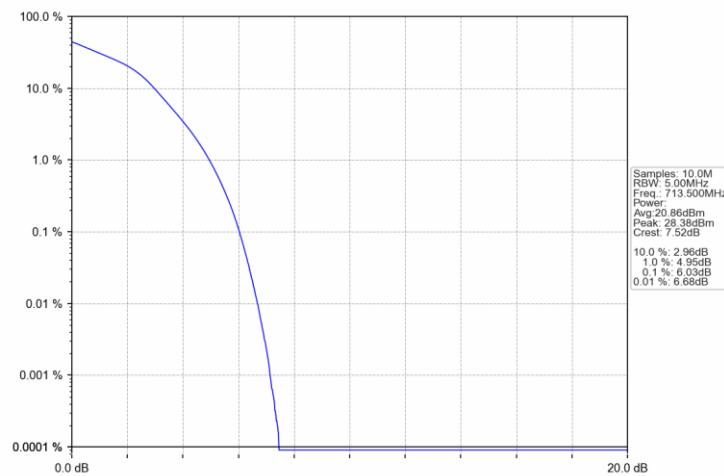
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV

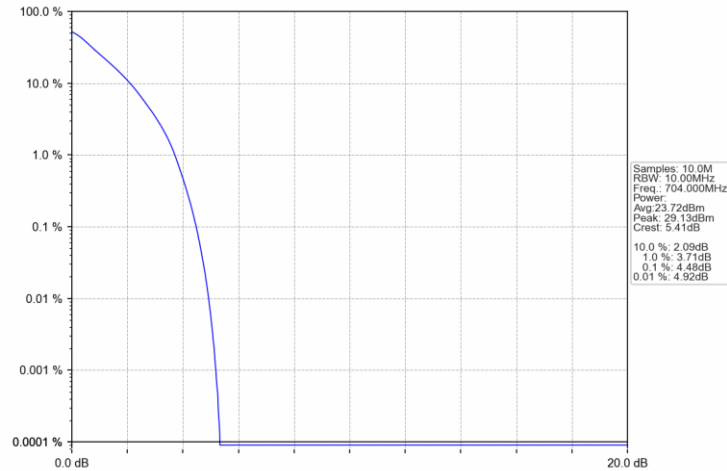


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

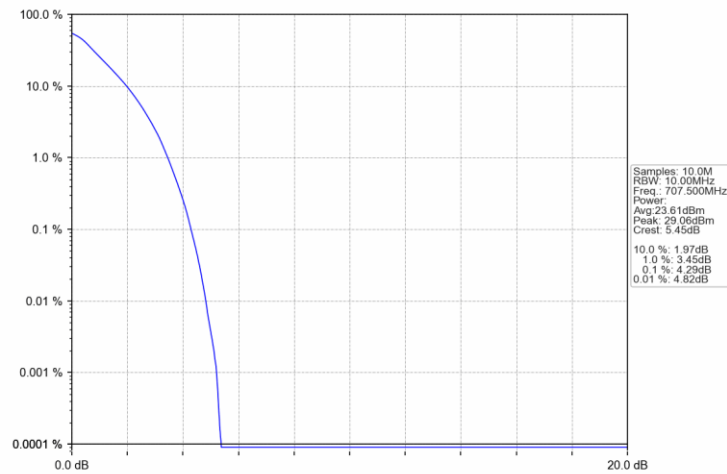


5.2.4 B12_10MHz

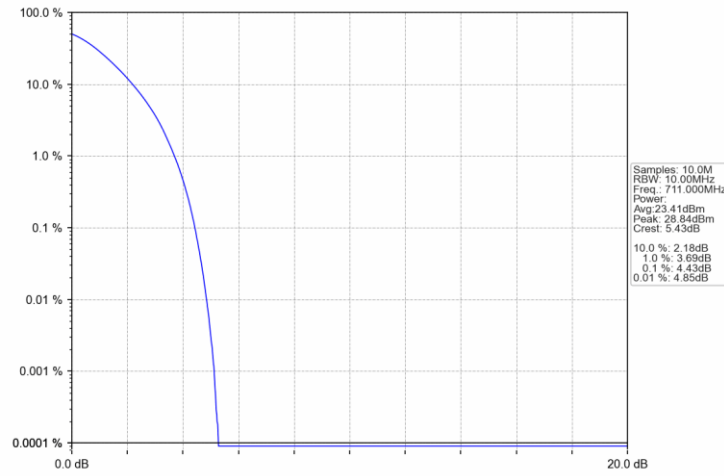
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



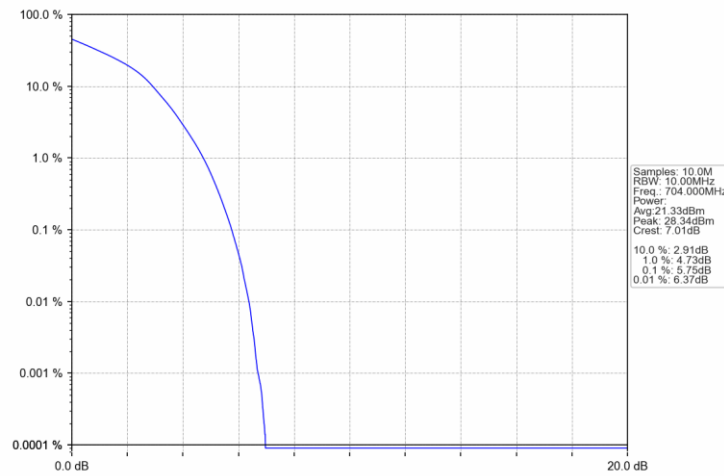
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



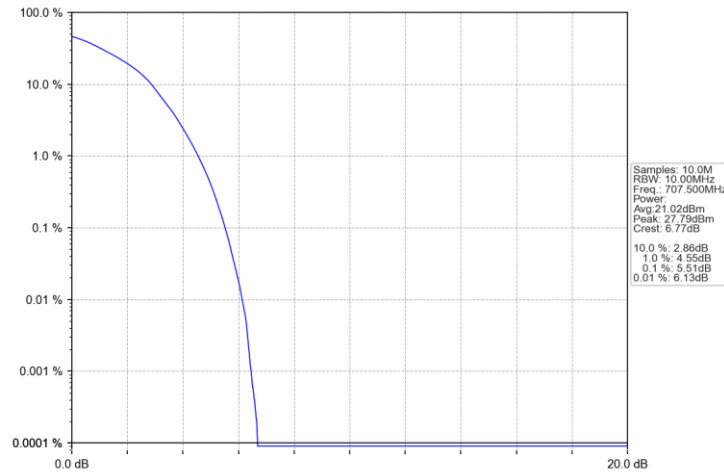
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



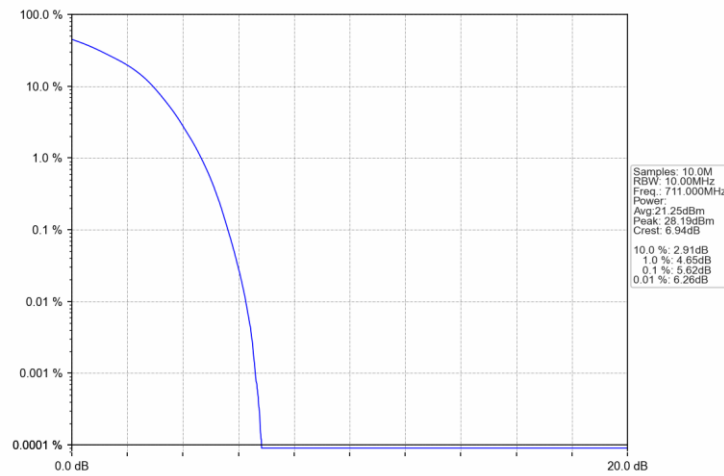
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B12_5MHz

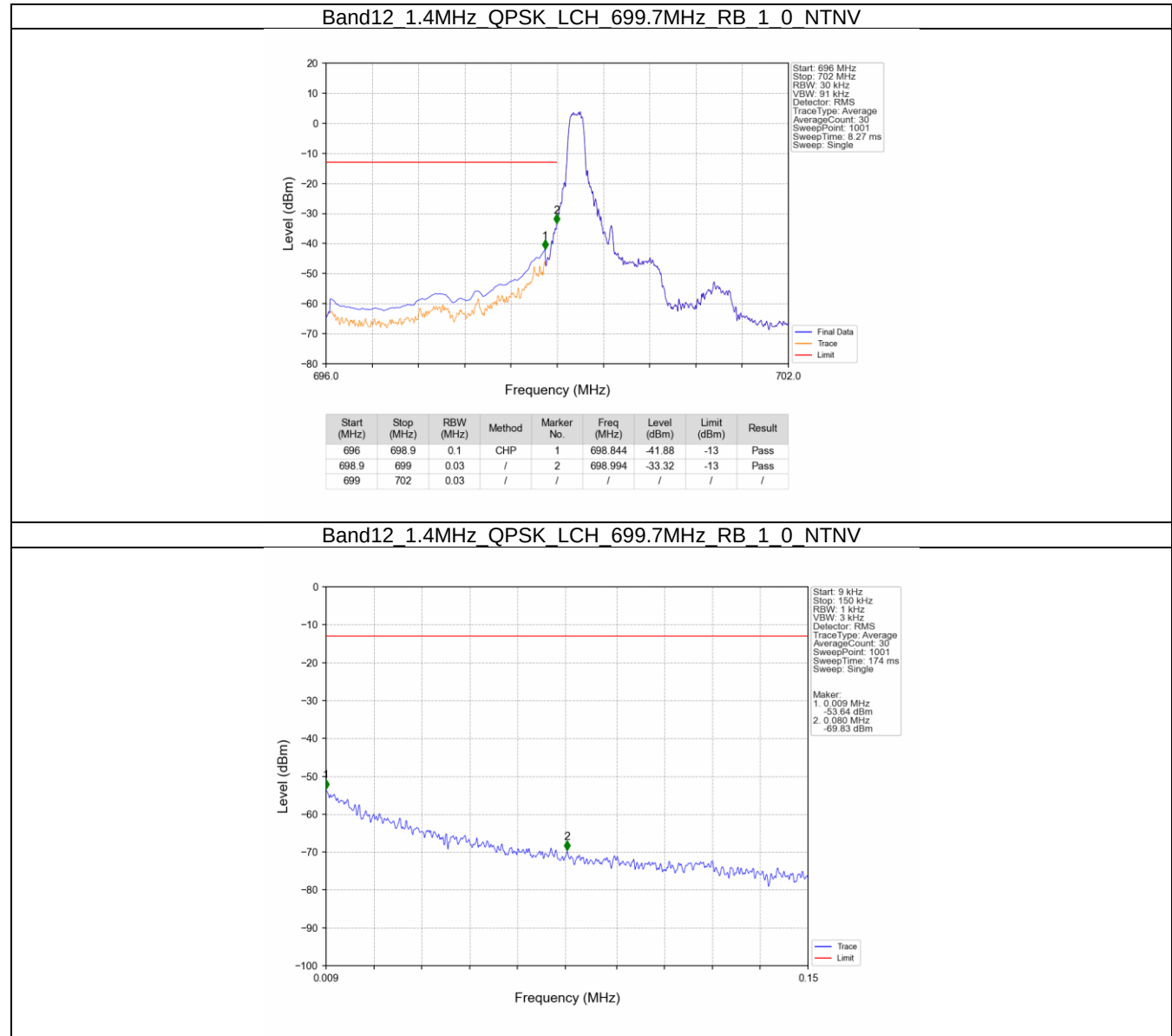
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.4 B12_10MHz

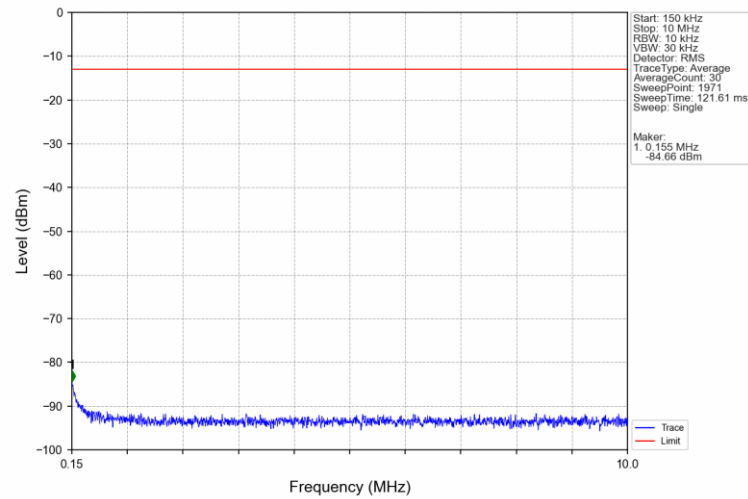
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

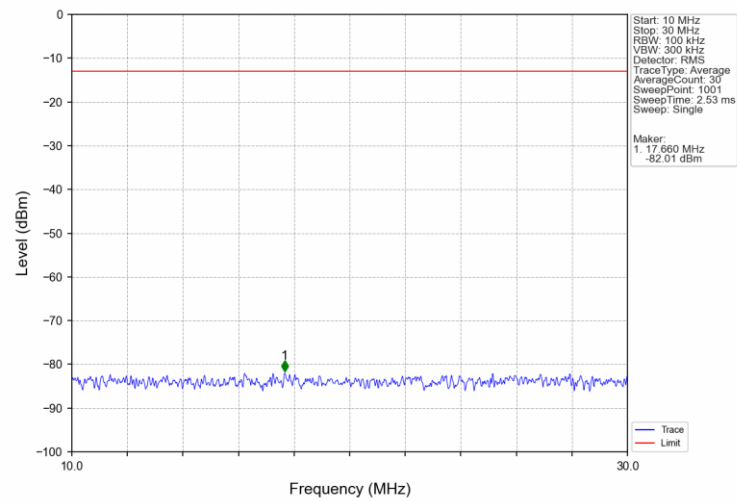
6.2.1 B12_1.4MHz



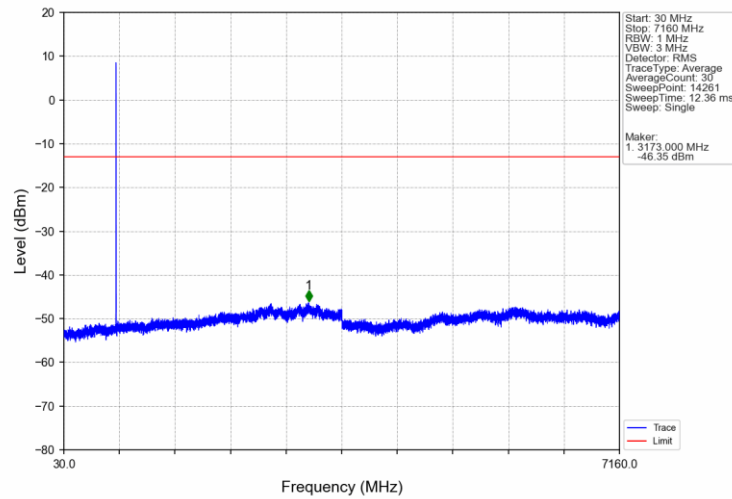
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



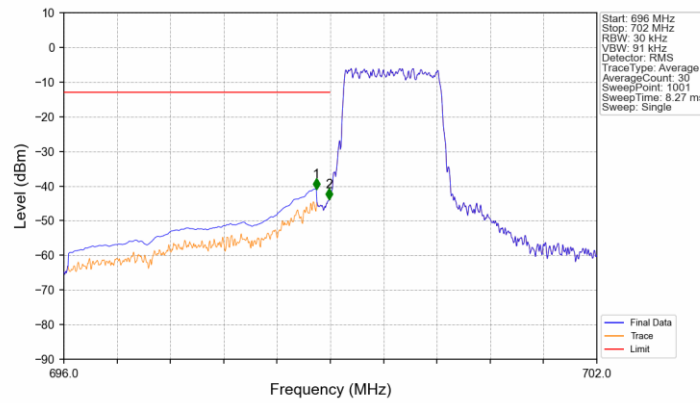
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-40.87	-13	Pass
698.9	699	0.03	/	2	698.988	-43.93	-13	Pass
699	702	0.03	/	/	/	/	/	/