

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	23.71	-3.70	17.86	<=34.77	Pass
			2	23.72	-3.70	17.87	<=34.77	Pass
			5	23.68	-3.70	17.83	<=34.77	Pass
		3	0	23.72	-3.70	17.87	<=34.77	Pass
			2	23.75	-3.70	17.90	<=34.77	Pass
			3	23.72	-3.70	17.87	<=34.77	Pass
		6	0	22.73	-3.70	16.88	<=34.77	Pass
	707.5	1	0	23.78	-3.70	17.93	<=34.77	Pass
			2	23.80	-3.70	17.95	<=34.77	Pass
			5	23.75	-3.70	17.90	<=34.77	Pass
		3	0	23.82	-3.70	17.97	<=34.77	Pass
			2	23.80	-3.70	17.95	<=34.77	Pass
			3	23.83	-3.70	17.98	<=34.77	Pass
		6	0	22.83	-3.70	16.98	<=34.77	Pass
	715.3	1	0	23.96	-3.70	18.11	<=34.77	Pass
			2	23.92	-3.70	18.07	<=34.77	Pass
			5	23.90	-3.70	18.05	<=34.77	Pass
		3	0	23.98	-3.70	18.13	<=34.77	Pass
			2	24.03	-3.70	18.18	<=34.77	Pass
			3	23.97	-3.70	18.12	<=34.77	Pass
		6	0	22.92	-3.70	17.07	<=34.77	Pass
16QAM	699.7	1	0	22.39	-3.70	16.54	<=34.77	Pass
			2	22.32	-3.70	16.47	<=34.77	Pass
			5	22.30	-3.70	16.45	<=34.77	Pass
		3	0	22.81	-3.70	16.96	<=34.77	Pass
			2	22.81	-3.70	16.96	<=34.77	Pass
			3	22.80	-3.70	16.95	<=34.77	Pass
		6	0	21.81	-3.70	15.96	<=34.77	Pass
	707.5	1	0	22.63	-3.70	16.78	<=34.77	Pass
			2	22.57	-3.70	16.72	<=34.77	Pass
			5	22.64	-3.70	16.79	<=34.77	Pass
		3	0	22.92	-3.70	17.07	<=34.77	Pass
			2	22.88	-3.70	17.03	<=34.77	Pass
			3	22.91	-3.70	17.06	<=34.77	Pass
		6	0	21.87	-3.70	16.02	<=34.77	Pass
	715.3	1	0	23.23	-3.70	17.38	<=34.77	Pass
			2	23.26	-3.70	17.41	<=34.77	Pass
			5	23.14	-3.70	17.29	<=34.77	Pass
		3	0	23.02	-3.70	17.17	<=34.77	Pass
			2	23.02	-3.70	17.17	<=34.77	Pass
			3	23.01	-3.70	17.16	<=34.77	Pass
		6	0	21.99	-3.70	16.14	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

Band: 12 / Bandwidth: 3MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	700.5	1	0	23.79	-3.70	17.94	<=34.77	Pass		
			7	23.82	-3.70	17.97	<=34.77	Pass		
			14	23.79	-3.70	17.94	<=34.77	Pass		
		8	0	22.73	-3.70	16.88	<=34.77	Pass		
			4	22.74	-3.70	16.89	<=34.77	Pass		
			7	22.71	-3.70	16.86	<=34.77	Pass		
		15	0	22.74	-3.70	16.89	<=34.77	Pass		
		707.5	1	0	23.40	-3.70	17.55	<=34.77	Pass	
				7	23.41	-3.70	17.56	<=34.77	Pass	
	14			23.45	-3.70	17.60	<=34.77	Pass		
	8		0	22.74	-3.70	16.89	<=34.77	Pass		
			4	22.82	-3.70	16.97	<=34.77	Pass		
			7	22.80	-3.70	16.95	<=34.77	Pass		
	15	0	22.75	-3.70	16.90	<=34.77	Pass			
	714.5	1	0	23.42	-3.70	17.57	<=34.77	Pass		
			7	23.36	-3.70	17.51	<=34.77	Pass		
			14	23.27	-3.70	17.42	<=34.77	Pass		
		8	0	22.84	-3.70	16.99	<=34.77	Pass		
			4	22.91	-3.70	17.06	<=34.77	Pass		
			7	22.86	-3.70	17.01	<=34.77	Pass		
		15	0	22.91	-3.70	17.06	<=34.77	Pass		
		16QAM	700.5	1	0	22.99	-3.70	17.14	<=34.77	Pass
					7	22.82	-3.70	16.97	<=34.77	Pass
	14				22.83	-3.70	16.98	<=34.77	Pass	
8	0			21.78	-3.70	15.93	<=34.77	Pass		
	4			21.79	-3.70	15.94	<=34.77	Pass		
	7			21.76	-3.70	15.91	<=34.77	Pass		
15	0			21.78	-3.70	15.93	<=34.77	Pass		
707.5	1			0	22.30	-3.70	16.45	<=34.77	Pass	
				7	22.30	-3.70	16.45	<=34.77	Pass	
			14	22.31	-3.70	16.46	<=34.77	Pass		
	8		0	21.74	-3.70	15.89	<=34.77	Pass		
			4	21.78	-3.70	15.93	<=34.77	Pass		
			7	21.74	-3.70	15.89	<=34.77	Pass		
15	0		21.83	-3.70	15.98	<=34.77	Pass			
714.5	1		0	22.44	-3.70	16.59	<=34.77	Pass		
			7	22.45	-3.70	16.60	<=34.77	Pass		
			14	22.36	-3.70	16.51	<=34.77	Pass		
	8		0	21.85	-3.70	16.00	<=34.77	Pass		
			4	21.86	-3.70	16.01	<=34.77	Pass		
			7	21.85	-3.70	16.00	<=34.77	Pass		
	15		0	21.83	-3.70	15.98	<=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	23.37	-3.70	17.52	<=34.77	Pass
			13	23.29	-3.70	17.44	<=34.77	Pass
			24	23.33	-3.70	17.48	<=34.77	Pass
		12	0	22.76	-3.70	16.91	<=34.77	Pass
			6	22.75	-3.70	16.90	<=34.77	Pass
			13	22.78	-3.70	16.93	<=34.77	Pass
		25	0	22.78	-3.70	16.93	<=34.77	Pass
			0	23.27	-3.70	17.42	<=34.77	Pass
			13	23.34	-3.70	17.49	<=34.77	Pass
	707.5	1	24	23.40	-3.70	17.55	<=34.77	Pass
			0	22.85	-3.70	17.00	<=34.77	Pass
			6	22.84	-3.70	16.99	<=34.77	Pass
		12	13	22.81	-3.70	16.96	<=34.77	Pass
			0	22.82	-3.70	16.97	<=34.77	Pass
			0	23.45	-3.70	17.60	<=34.77	Pass
		25	13	23.49	-3.70	17.64	<=34.77	Pass
			24	23.49	-3.70	17.64	<=34.77	Pass
			0	22.94	-3.70	17.09	<=34.77	Pass
	713.5	12	6	22.89	-3.70	17.04	<=34.77	Pass
			13	22.98	-3.70	17.13	<=34.77	Pass
		25	0	22.95	-3.70	17.10	<=34.77	Pass
16QAM	701.5	1	0	22.23	-3.70	16.38	<=34.77	Pass
			13	22.18	-3.70	16.33	<=34.77	Pass
			24	22.27	-3.70	16.42	<=34.77	Pass
		12	0	21.81	-3.70	15.96	<=34.77	Pass
			6	21.77	-3.70	15.92	<=34.77	Pass
			13	21.81	-3.70	15.96	<=34.77	Pass
		25	0	21.89	-3.70	16.04	<=34.77	Pass
			0	22.68	-3.70	16.83	<=34.77	Pass
			13	22.71	-3.70	16.86	<=34.77	Pass
	707.5	1	24	22.77	-3.70	16.92	<=34.77	Pass
			0	21.82	-3.70	15.97	<=34.77	Pass
			6	21.83	-3.70	15.98	<=34.77	Pass
		12	13	21.80	-3.70	15.95	<=34.77	Pass
			0	21.79	-3.70	15.94	<=34.77	Pass
			0	22.50	-3.70	16.65	<=34.77	Pass
		25	13	22.53	-3.70	16.68	<=34.77	Pass
			24	22.51	-3.70	16.66	<=34.77	Pass
			0	21.95	-3.70	16.10	<=34.77	Pass
	713.5	12	6	21.91	-3.70	16.06	<=34.77	Pass
			13	21.96	-3.70	16.11	<=34.77	Pass
		25	0	21.89	-3.70	16.04	<=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	23.29	-3.70	17.44	<=34.77	Pass
			25	23.37	-3.70	17.52	<=34.77	Pass
			49	23.43	-3.70	17.58	<=34.77	Pass
		25	0	22.65	-3.70	16.80	<=34.77	Pass
			13	22.81	-3.70	16.96	<=34.77	Pass
			25	22.85	-3.70	17.00	<=34.77	Pass
		50	0	22.78	-3.70	16.93	<=34.77	Pass
	707.5	1	0	23.34	-3.70	17.49	<=34.77	Pass
			25	23.48	-3.70	17.63	<=34.77	Pass
			49	23.51	-3.70	17.66	<=34.77	Pass
		25	0	22.75	-3.70	16.90	<=34.77	Pass
			13	22.85	-3.70	17.00	<=34.77	Pass
			25	22.75	-3.70	16.90	<=34.77	Pass
		50	0	22.78	-3.70	16.93	<=34.77	Pass
	711	1	0	23.25	-3.70	17.40	<=34.77	Pass
			25	23.46	-3.70	17.61	<=34.77	Pass
			49	23.42	-3.70	17.57	<=34.77	Pass
		25	0	22.92	-3.70	17.07	<=34.77	Pass
			13	22.89	-3.70	17.04	<=34.77	Pass
			25	22.93	-3.70	17.08	<=34.77	Pass
		50	0	22.95	-3.70	17.10	<=34.77	Pass
16QAM	704	1	0	22.64	-3.70	16.79	<=34.77	Pass
			25	22.70	-3.70	16.85	<=34.77	Pass
			49	22.75	-3.70	16.90	<=34.77	Pass
		25	0	21.69	-3.70	15.84	<=34.77	Pass
			13	21.81	-3.70	15.96	<=34.77	Pass
			25	21.85	-3.70	16.00	<=34.77	Pass
		50	0	21.77	-3.70	15.92	<=34.77	Pass
	707.5	1	0	22.19	-3.70	16.34	<=34.77	Pass
			25	22.36	-3.70	16.51	<=34.77	Pass
			49	22.34	-3.70	16.49	<=34.77	Pass
		25	0	21.85	-3.70	16.00	<=34.77	Pass
			13	21.89	-3.70	16.04	<=34.77	Pass
			25	21.82	-3.70	15.97	<=34.77	Pass
		50	0	21.75	-3.70	15.90	<=34.77	Pass
	711	1	0	22.28	-3.70	16.43	<=34.77	Pass
			25	22.47	-3.70	16.62	<=34.77	Pass
			49	22.44	-3.70	16.59	<=34.77	Pass
		25	0	21.94	-3.70	16.09	<=34.77	Pass
			13	21.88	-3.70	16.03	<=34.77	Pass
			25	21.94	-3.70	16.09	<=34.77	Pass
		50	0	21.90	-3.70	16.05	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	3.29	-1.001	-0.0014	-2.5 to 2.5	Pass
					3.87	0.100	0.0001	-2.5 to 2.5	Pass
					4.45	-1.130	-0.0016	-2.5 to 2.5	Pass
				-30	3.87	-4.306	-0.0062	-2.5 to 2.5	Pass
				-20	3.87	-2.117	-0.0030	-2.5 to 2.5	Pass
				-10	3.87	-1.917	-0.0027	-2.5 to 2.5	Pass
				0	3.87	-2.260	-0.0032	-2.5 to 2.5	Pass
				10	3.87	-4.449	-0.0064	-2.5 to 2.5	Pass
				30	3.87	-3.877	-0.0055	-2.5 to 2.5	Pass
				40	3.87	-1.373	-0.0020	-2.5 to 2.5	Pass
				50	3.87	-0.715	-0.0010	-2.5 to 2.5	Pass
	707.5	6	0	20	3.29	1.974	0.0028	-2.5 to 2.5	Pass
					3.87	1.945	0.0027	-2.5 to 2.5	Pass
					4.45	-1.473	-0.0021	-2.5 to 2.5	Pass
				-30	3.87	1.845	0.0026	-2.5 to 2.5	Pass
				-20	3.87	0.243	0.0003	-2.5 to 2.5	Pass
				-10	3.87	2.246	0.0032	-2.5 to 2.5	Pass
				0	3.87	0.615	0.0009	-2.5 to 2.5	Pass
				10	3.87	1.802	0.0025	-2.5 to 2.5	Pass
				30	3.87	-1.631	-0.0023	-2.5 to 2.5	Pass
				40	3.87	6.895	0.0097	-2.5 to 2.5	Pass
				50	3.87	3.719	0.0053	-2.5 to 2.5	Pass
	715.3	6	0	20	3.29	-2.375	-0.0033	-2.5 to 2.5	Pass
					3.87	-3.777	-0.0053	-2.5 to 2.5	Pass
					4.45	1.674	0.0023	-2.5 to 2.5	Pass
				-30	3.87	-1.159	-0.0016	-2.5 to 2.5	Pass
				-20	3.87	-1.273	-0.0018	-2.5 to 2.5	Pass
				-10	3.87	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.87	-0.329	-0.0005	-2.5 to 2.5	Pass
				10	3.87	-3.018	-0.0042	-2.5 to 2.5	Pass
				30	3.87	1.116	0.0016	-2.5 to 2.5	Pass
				40	3.87	0.257	0.0004	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.29	2.918	0.0042	-2.5 to 2.5	Pass
					3.87	-4.950	-0.0071	-2.5 to 2.5	Pass
					4.45	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.87	-3.819	-0.0055	-2.5 to 2.5	Pass
				-20	3.87	-2.518	-0.0036	-2.5 to 2.5	Pass
				-10	3.87	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.87	-1.574	-0.0022	-2.5 to 2.5	Pass
				10	3.87	0.329	0.0005	-2.5 to 2.5	Pass
				30	3.87	-1.531	-0.0022	-2.5 to 2.5	Pass
				40	3.87	-6.123	-0.0088	-2.5 to 2.5	Pass
				50	3.87	1.602	0.0023	-2.5 to 2.5	Pass
	707.5	6	0	20	3.29	-1.287	-0.0018	-2.5 to 2.5	Pass
					3.87	3.519	0.0050	-2.5 to 2.5	Pass
					4.45	-4.749	-0.0067	-2.5 to 2.5	Pass
				-30	3.87	1.645	0.0023	-2.5 to 2.5	Pass
				-20	3.87	-0.958	-0.0014	-2.5 to 2.5	Pass
				-10	3.87	1.130	0.0016	-2.5 to 2.5	Pass

				0	3.87	0.429	0.0006	-2.5 to 2.5	Pass
				10	3.87	1.059	0.0015	-2.5 to 2.5	Pass
				30	3.87	2.561	0.0036	-2.5 to 2.5	Pass
				40	3.87	4.764	0.0067	-2.5 to 2.5	Pass
				50	3.87	1.144	0.0016	-2.5 to 2.5	Pass
	715.3	6	0	20	3.29	-2.718	-0.0038	-2.5 to 2.5	Pass
					3.87	2.503	0.0035	-2.5 to 2.5	Pass
					4.45	-1.059	-0.0015	-2.5 to 2.5	Pass
				-30	3.87	-1.016	-0.0014	-2.5 to 2.5	Pass
				-20	3.87	-3.119	-0.0044	-2.5 to 2.5	Pass
				-10	3.87	2.260	0.0032	-2.5 to 2.5	Pass
				0	3.87	-2.489	-0.0035	-2.5 to 2.5	Pass
				10	3.87	1.860	0.0026	-2.5 to 2.5	Pass
				30	3.87	-2.131	-0.0030	-2.5 to 2.5	Pass
				40	3.87	-2.103	-0.0029	-2.5 to 2.5	Pass
				50	3.87	-0.601	-0.0008	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.29	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.87	-2.933	-0.0042	-2.5 to 2.5	Pass
					4.45	-2.632	-0.0038	-2.5 to 2.5	Pass
				-30	3.87	0.429	0.0006	-2.5 to 2.5	Pass
				-20	3.87	-3.633	-0.0052	-2.5 to 2.5	Pass
				-10	3.87	-1.574	-0.0022	-2.5 to 2.5	Pass
				0	3.87	-4.406	-0.0063	-2.5 to 2.5	Pass
				10	3.87	0.715	0.0010	-2.5 to 2.5	Pass
				30	3.87	-0.787	-0.0011	-2.5 to 2.5	Pass
				40	3.87	-3.662	-0.0052	-2.5 to 2.5	Pass
				50	3.87	0.029	0.0000	-2.5 to 2.5	Pass
	707.5	15	0	20	3.29	-2.131	-0.0030	-2.5 to 2.5	Pass
					3.87	-1.874	-0.0026	-2.5 to 2.5	Pass
					4.45	-3.934	-0.0056	-2.5 to 2.5	Pass
				-30	3.87	0.515	0.0007	-2.5 to 2.5	Pass
				-20	3.87	-3.934	-0.0056	-2.5 to 2.5	Pass
				-10	3.87	0.257	0.0004	-2.5 to 2.5	Pass
				0	3.87	0.386	0.0005	-2.5 to 2.5	Pass
				10	3.87	-1.588	-0.0022	-2.5 to 2.5	Pass
				30	3.87	-3.176	-0.0045	-2.5 to 2.5	Pass
				40	3.87	-2.275	-0.0032	-2.5 to 2.5	Pass
				50	3.87	2.961	0.0042	-2.5 to 2.5	Pass
	714.5	15	0	20	3.29	-2.089	-0.0029	-2.5 to 2.5	Pass
					3.87	3.963	0.0055	-2.5 to 2.5	Pass
					4.45	2.103	0.0029	-2.5 to 2.5	Pass
				-30	3.87	-2.675	-0.0037	-2.5 to 2.5	Pass
				-20	3.87	5.565	0.0078	-2.5 to 2.5	Pass
				-10	3.87	-4.549	-0.0064	-2.5 to 2.5	Pass
				0	3.87	3.977	0.0056	-2.5 to 2.5	Pass
				10	3.87	-4.449	-0.0062	-2.5 to 2.5	Pass
				30	3.87	-0.501	-0.0007	-2.5 to 2.5	Pass
				40	3.87	-2.875	-0.0040	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.29	0.415	0.0006	-2.5 to 2.5	Pass
					3.87	3.490	0.0050	-2.5 to 2.5	Pass
					4.45	-1.001	-0.0014	-2.5 to 2.5	Pass
				-30	3.87	-6.137	-0.0088	-2.5 to 2.5	Pass
				-20	3.87	0.615	0.0009	-2.5 to 2.5	Pass
				-10	3.87	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.87	1.745	0.0025	-2.5 to 2.5	Pass
				10	3.87	-5.407	-0.0077	-2.5 to 2.5	Pass
				30	3.87	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.87	-2.375	-0.0034	-2.5 to 2.5	Pass
				50	3.87	-3.076	-0.0044	-2.5 to 2.5	Pass
	707.5	15	0	20	3.29	-1.545	-0.0022	-2.5 to 2.5	Pass
					3.87	1.774	0.0025	-2.5 to 2.5	Pass
					4.45	-4.506	-0.0064	-2.5 to 2.5	Pass
				-30	3.87	1.287	0.0018	-2.5 to 2.5	Pass
				-20	3.87	-1.101	-0.0016	-2.5 to 2.5	Pass
				-10	3.87	4.463	0.0063	-2.5 to 2.5	Pass
				0	3.87	1.101	0.0016	-2.5 to 2.5	Pass
				10	3.87	-4.148	-0.0059	-2.5 to 2.5	Pass
				30	3.87	-1.545	-0.0022	-2.5 to 2.5	Pass
				40	3.87	-4.921	-0.0070	-2.5 to 2.5	Pass
				50	3.87	4.134	0.0058	-2.5 to 2.5	Pass

	714.5	15	0	20	3.29	-2.646	-0.0037	-2.5 to 2.5	Pass
					3.87	-0.029	0.0000	-2.5 to 2.5	Pass
					4.45	-4.592	-0.0064	-2.5 to 2.5	Pass
				-30	3.87	-0.916	-0.0013	-2.5 to 2.5	Pass
				-20	3.87	1.116	0.0016	-2.5 to 2.5	Pass
				-10	3.87	0.844	0.0012	-2.5 to 2.5	Pass
				0	3.87	5.221	0.0073	-2.5 to 2.5	Pass
				10	3.87	-3.576	-0.0050	-2.5 to 2.5	Pass
				30	3.87	-4.392	-0.0061	-2.5 to 2.5	Pass
				40	3.87	0.987	0.0014	-2.5 to 2.5	Pass
				50	3.87	-4.721	-0.0066	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.29	-2.646	-0.0038	-2.5 to 2.5	Pass
					3.87	0.300	0.0004	-2.5 to 2.5	Pass
					4.45	-0.601	-0.0009	-2.5 to 2.5	Pass
				-30	3.87	-0.343	-0.0005	-2.5 to 2.5	Pass
				-20	3.87	-2.990	-0.0043	-2.5 to 2.5	Pass
				-10	3.87	3.362	0.0048	-2.5 to 2.5	Pass
				0	3.87	0.501	0.0007	-2.5 to 2.5	Pass
				10	3.87	-5.407	-0.0077	-2.5 to 2.5	Pass
				30	3.87	-2.389	-0.0034	-2.5 to 2.5	Pass
				40	3.87	4.721	0.0067	-2.5 to 2.5	Pass
				50	3.87	-2.646	-0.0038	-2.5 to 2.5	Pass
	707.5	25	0	20	3.29	0.501	0.0007	-2.5 to 2.5	Pass
					3.87	-3.734	-0.0053	-2.5 to 2.5	Pass
					4.45	-1.559	-0.0022	-2.5 to 2.5	Pass
				-30	3.87	-1.473	-0.0021	-2.5 to 2.5	Pass
				-20	3.87	-1.774	-0.0025	-2.5 to 2.5	Pass
				-10	3.87	-4.292	-0.0061	-2.5 to 2.5	Pass
				0	3.87	-1.931	-0.0027	-2.5 to 2.5	Pass
				10	3.87	-1.473	-0.0021	-2.5 to 2.5	Pass
				30	3.87	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	3.87	-2.360	-0.0033	-2.5 to 2.5	Pass
				50	3.87	-2.346	-0.0033	-2.5 to 2.5	Pass
	713.5	25	0	20	3.29	-1.130	-0.0016	-2.5 to 2.5	Pass
					3.87	0.172	0.0002	-2.5 to 2.5	Pass
					4.45	1.788	0.0025	-2.5 to 2.5	Pass
				-30	3.87	-2.575	-0.0036	-2.5 to 2.5	Pass
				-20	3.87	5.307	0.0074	-2.5 to 2.5	Pass
				-10	3.87	-2.475	-0.0035	-2.5 to 2.5	Pass
				0	3.87	2.332	0.0033	-2.5 to 2.5	Pass
				10	3.87	-2.518	-0.0035	-2.5 to 2.5	Pass
				30	3.87	-3.748	-0.0053	-2.5 to 2.5	Pass
				40	3.87	-2.246	-0.0031	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.29	0.029	0.0000	-2.5 to 2.5	Pass
					3.87	0.443	0.0006	-2.5 to 2.5	Pass
					4.45	-1.259	-0.0018	-2.5 to 2.5	Pass
				-30	3.87	-1.903	-0.0027	-2.5 to 2.5	Pass
				-20	3.87	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.87	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	3.87	-3.347	-0.0048	-2.5 to 2.5	Pass
				10	3.87	1.774	0.0025	-2.5 to 2.5	Pass
				30	3.87	-1.574	-0.0022	-2.5 to 2.5	Pass
				40	3.87	-4.091	-0.0058	-2.5 to 2.5	Pass
				50	3.87	-1.359	-0.0019	-2.5 to 2.5	Pass
	707.5	25	0	20	3.29	3.991	0.0056	-2.5 to 2.5	Pass
					3.87	-1.030	-0.0015	-2.5 to 2.5	Pass
					4.45	-2.303	-0.0033	-2.5 to 2.5	Pass
				-30	3.87	-3.090	-0.0044	-2.5 to 2.5	Pass
				-20	3.87	-0.658	-0.0009	-2.5 to 2.5	Pass
				-10	3.87	-1.144	-0.0016	-2.5 to 2.5	Pass
				0	3.87	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	3.87	0.358	0.0005	-2.5 to 2.5	Pass
				30	3.87	-4.506	-0.0064	-2.5 to 2.5	Pass
				40	3.87	-3.190	-0.0045	-2.5 to 2.5	Pass
				50	3.87	-1.187	-0.0017	-2.5 to 2.5	Pass

	713.5	25	0	20	3.29	0.501	0.0007	-2.5 to 2.5	Pass
					3.87	1.316	0.0018	-2.5 to 2.5	Pass
					4.45	2.646	0.0037	-2.5 to 2.5	Pass
				-30	3.87	-0.830	-0.0012	-2.5 to 2.5	Pass
				-20	3.87	1.731	0.0024	-2.5 to 2.5	Pass
				-10	3.87	-4.492	-0.0063	-2.5 to 2.5	Pass
				0	3.87	-2.089	-0.0029	-2.5 to 2.5	Pass
				10	3.87	-1.101	-0.0015	-2.5 to 2.5	Pass
				30	3.87	-0.343	-0.0005	-2.5 to 2.5	Pass
				40	3.87	-0.672	-0.0009	-2.5 to 2.5	Pass
				50	3.87	0.973	0.0014	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.29	-3.247	-0.0046	-2.5 to 2.5	Pass
					3.87	-1.402	-0.0020	-2.5 to 2.5	Pass
					4.45	-0.186	-0.0003	-2.5 to 2.5	Pass
				-30	3.87	-3.676	-0.0052	-2.5 to 2.5	Pass
				-20	3.87	-1.545	-0.0022	-2.5 to 2.5	Pass
				-10	3.87	-0.358	-0.0005	-2.5 to 2.5	Pass
				0	3.87	-0.787	-0.0011	-2.5 to 2.5	Pass
				10	3.87	-1.130	-0.0016	-2.5 to 2.5	Pass
				30	3.87	-1.259	-0.0018	-2.5 to 2.5	Pass
				40	3.87	-0.672	-0.0010	-2.5 to 2.5	Pass
				50	3.87	-0.558	-0.0008	-2.5 to 2.5	Pass
	707.5	50	0	20	3.29	0.587	0.0008	-2.5 to 2.5	Pass
					3.87	1.760	0.0025	-2.5 to 2.5	Pass
					4.45	0.973	0.0014	-2.5 to 2.5	Pass
				-30	3.87	0.758	0.0011	-2.5 to 2.5	Pass
				-20	3.87	0.486	0.0007	-2.5 to 2.5	Pass
				-10	3.87	-0.286	-0.0004	-2.5 to 2.5	Pass
				0	3.87	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	3.87	-2.789	-0.0039	-2.5 to 2.5	Pass
				30	3.87	-1.545	-0.0022	-2.5 to 2.5	Pass
				40	3.87	-0.987	-0.0014	-2.5 to 2.5	Pass
				50	3.87	0.172	0.0002	-2.5 to 2.5	Pass
	711	50	0	20	3.29	-0.558	-0.0008	-2.5 to 2.5	Pass
					3.87	0.772	0.0011	-2.5 to 2.5	Pass
					4.45	1.316	0.0019	-2.5 to 2.5	Pass
				-30	3.87	2.503	0.0035	-2.5 to 2.5	Pass
				-20	3.87	1.659	0.0023	-2.5 to 2.5	Pass
				-10	3.87	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.87	-0.215	-0.0003	-2.5 to 2.5	Pass
				10	3.87	-0.844	-0.0012	-2.5 to 2.5	Pass
				30	3.87	1.688	0.0024	-2.5 to 2.5	Pass
				40	3.87	-0.572	-0.0008	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.29	-1.130	-0.0016	-2.5 to 2.5	Pass
					3.87	-1.245	-0.0018	-2.5 to 2.5	Pass
					4.45	-0.672	-0.0010	-2.5 to 2.5	Pass
				-30	3.87	-1.345	-0.0019	-2.5 to 2.5	Pass
				-20	3.87	-0.973	-0.0014	-2.5 to 2.5	Pass
				-10	3.87	-1.130	-0.0016	-2.5 to 2.5	Pass
				0	3.87	2.060	0.0029	-2.5 to 2.5	Pass
				10	3.87	-2.990	-0.0042	-2.5 to 2.5	Pass
				30	3.87	0.758	0.0011	-2.5 to 2.5	Pass
				40	3.87	-1.287	-0.0018	-2.5 to 2.5	Pass
				50	3.87	-2.389	-0.0034	-2.5 to 2.5	Pass
	707.5	50	0	20	3.29	0.415	0.0006	-2.5 to 2.5	Pass
					3.87	1.187	0.0017	-2.5 to 2.5	Pass
					4.45	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.87	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.87	0.815	0.0012	-2.5 to 2.5	Pass
				-10	3.87	0.143	0.0002	-2.5 to 2.5	Pass
				0	3.87	1.473	0.0021	-2.5 to 2.5	Pass
				10	3.87	1.645	0.0023	-2.5 to 2.5	Pass
				30	3.87	1.817	0.0026	-2.5 to 2.5	Pass
				40	3.87	0.701	0.0010	-2.5 to 2.5	Pass
				50	3.87	1.731	0.0024	-2.5 to 2.5	Pass

	711	50	0	20	3.29	0.515	0.0007	-2.5 to 2.5	Pass
					3.87	-0.343	-0.0005	-2.5 to 2.5	Pass
					4.45	-1.416	-0.0020	-2.5 to 2.5	Pass
				-30	3.87	-0.615	-0.0009	-2.5 to 2.5	Pass
				-20	3.87	-1.001	-0.0014	-2.5 to 2.5	Pass
				-10	3.87	1.988	0.0028	-2.5 to 2.5	Pass
				0	3.87	1.016	0.0014	-2.5 to 2.5	Pass
				10	3.87	2.317	0.0033	-2.5 to 2.5	Pass
				30	3.87	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.87	0.215	0.0003	-2.5 to 2.5	Pass
				50	3.87	-0.415	-0.0006	-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

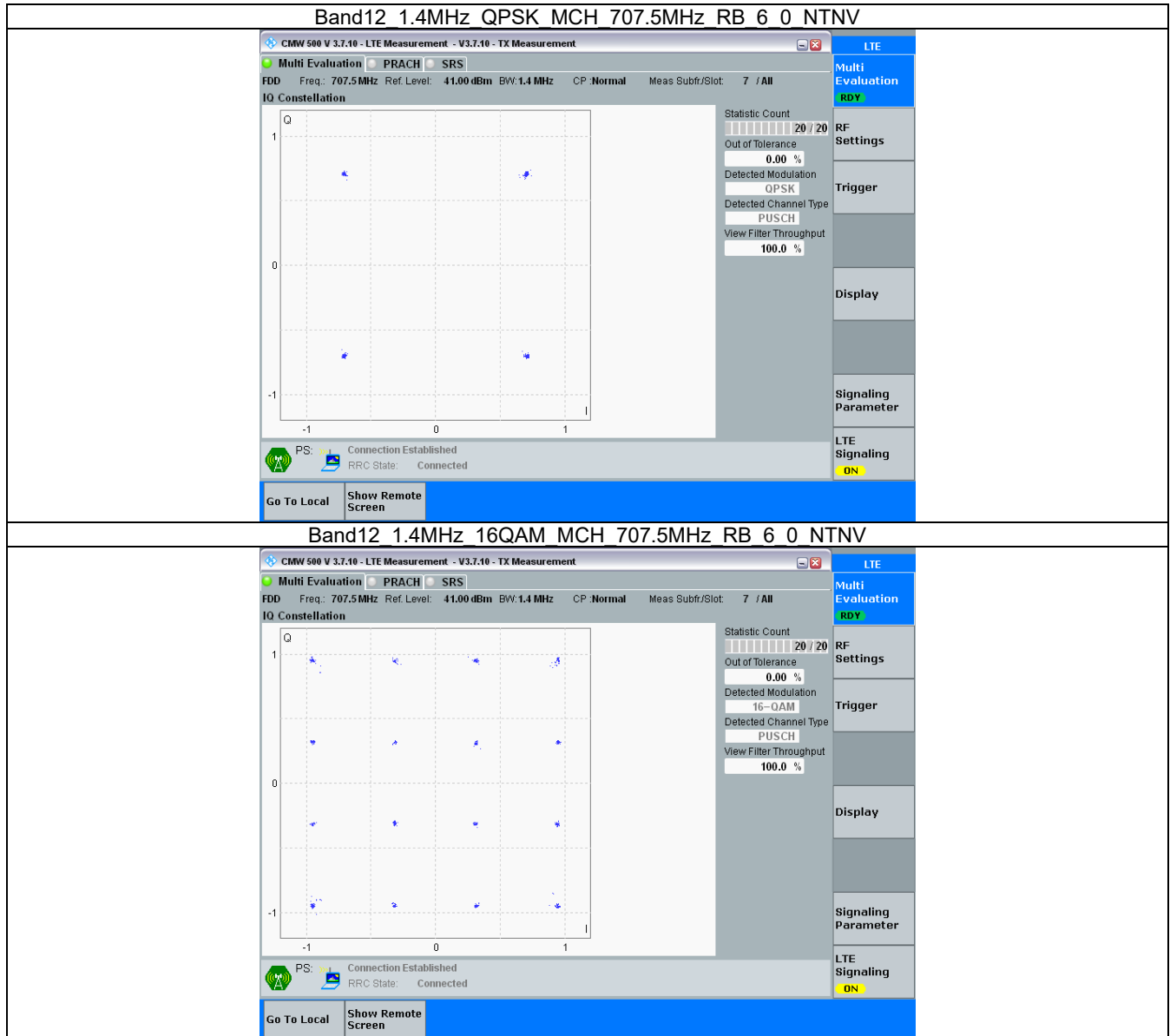
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

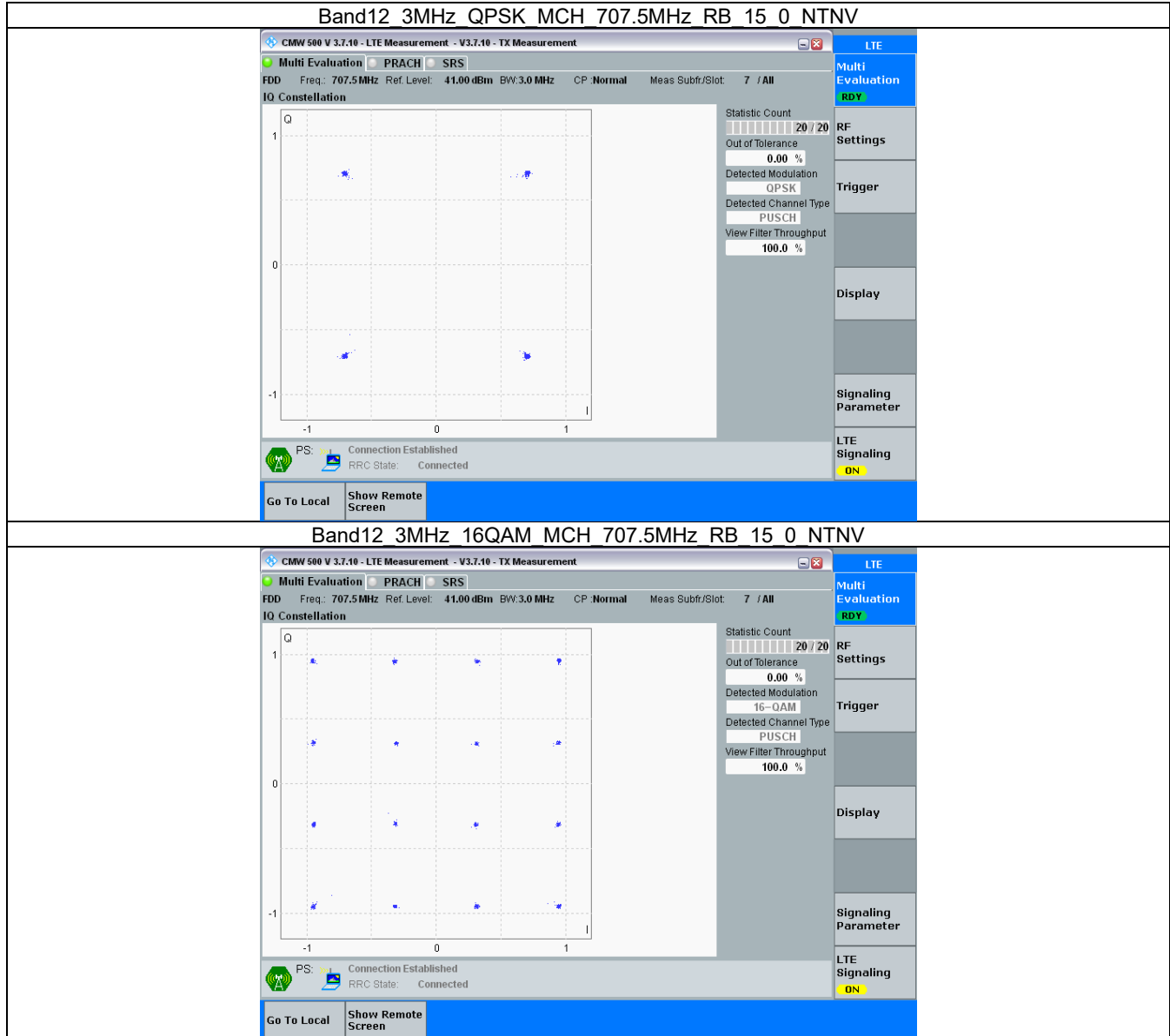
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

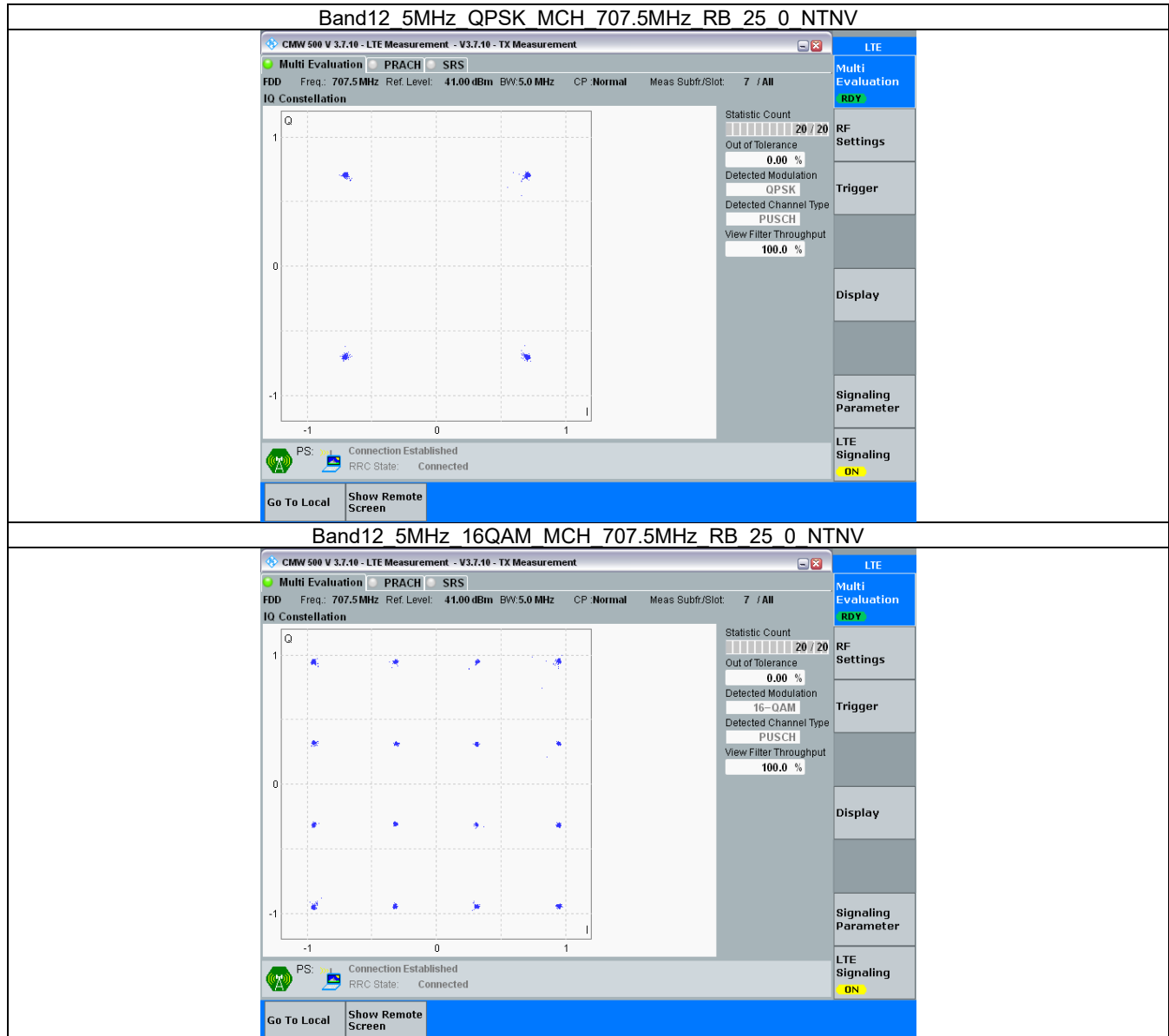
3.2.1 B12_1.4MHz



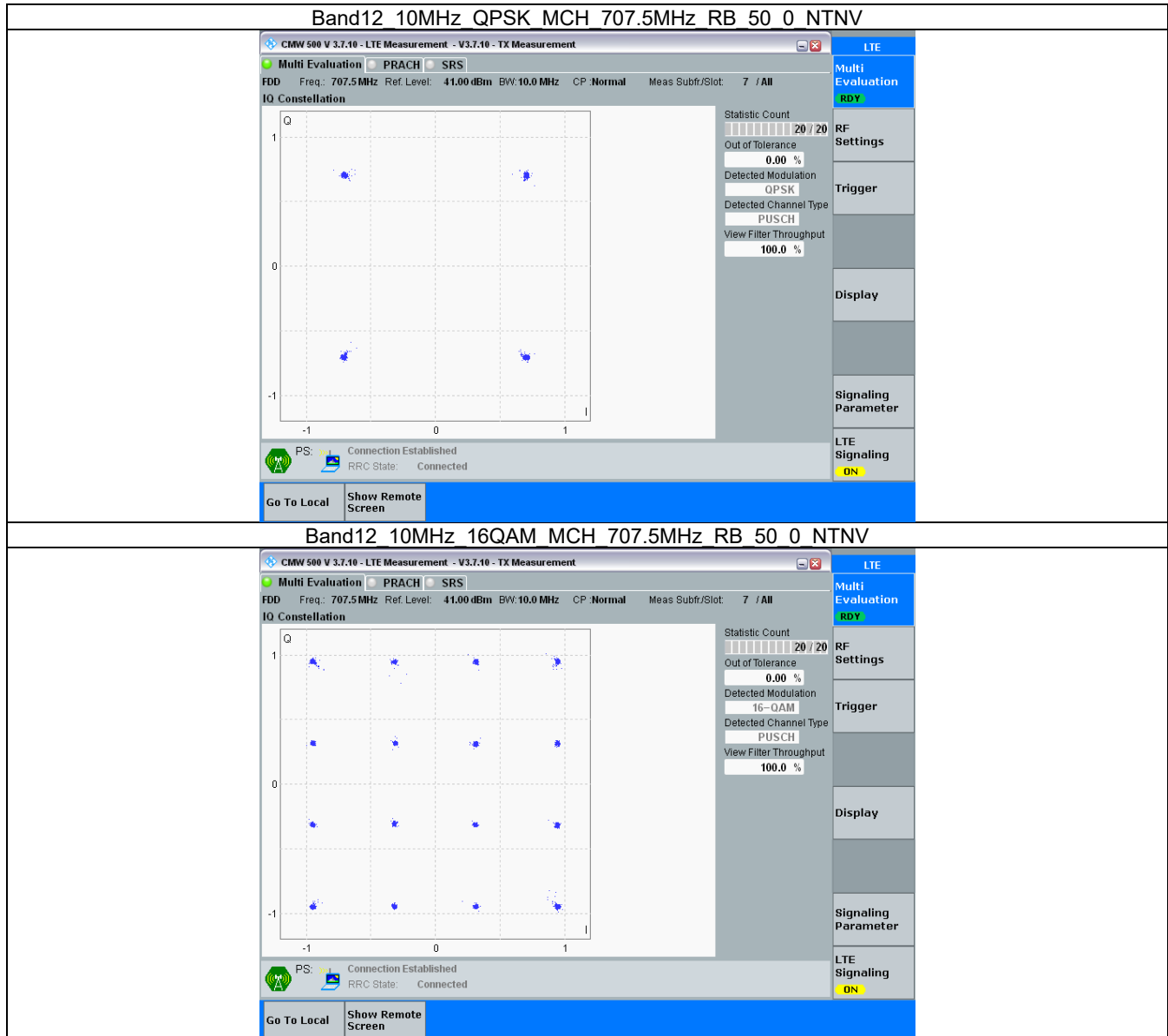
3.2.2 B12_3MHz



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	1.121	/	Pass
		707.5	6	0	1.106	/	Pass
		715.3	6	0	1.108	/	Pass
	16QAM	699.7	6	0	1.113	/	Pass
		707.5	6	0	1.102	/	Pass
		715.3	6	0	1.118	/	Pass
3	QPSK	700.5	15	0	2.731	/	Pass
		707.5	15	0	2.725	/	Pass
		714.5	15	0	2.739	/	Pass
	16QAM	700.5	15	0	2.734	/	Pass
		707.5	15	0	2.735	/	Pass
		714.5	15	0	2.732	/	Pass
5	QPSK	701.5	25	0	4.542	/	Pass
		707.5	25	0	4.548	/	Pass
		713.5	25	0	4.562	/	Pass
	16QAM	701.5	25	0	4.556	/	Pass
		707.5	25	0	4.565	/	Pass
		713.5	25	0	4.548	/	Pass
10	QPSK	704	50	0	9.049	/	Pass
		707.5	50	0	9.043	/	Pass
		711	50	0	9.047	/	Pass
	16QAM	704	50	0	9.043	/	Pass
		707.5	50	0	9.028	/	Pass
		711	50	0	9.060	/	Pass

4.1.2 Band12_XDB

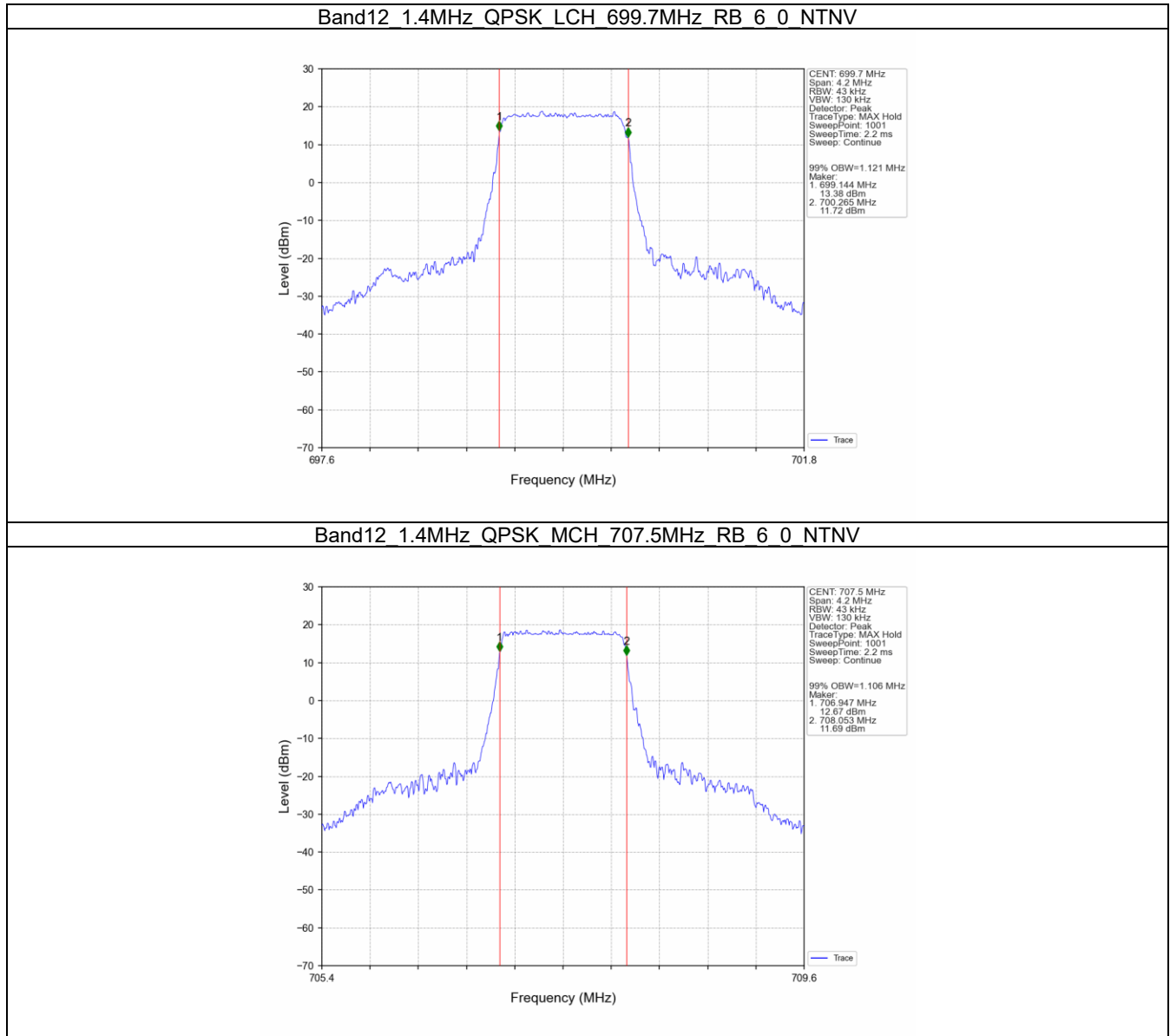
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.313	/	Pass
		707.5	6	0	1.336	/	Pass
		715.3	6	0	1.336	/	Pass
	16QAM	699.7	6	0	1.334	/	Pass
		707.5	6	0	1.303	/	Pass
		715.3	6	0	1.322	/	Pass
3	QPSK	700.5	15	0	3.004	/	Pass
		707.5	15	0	3.006	/	Pass
		714.5	15	0	3.019	/	Pass
	16QAM	700.5	15	0	3.021	/	Pass
		707.5	15	0	3.036	/	Pass
		714.5	15	0	3.038	/	Pass
5	QPSK	701.5	25	0	5.064	/	Pass
		707.5	25	0	5.032	/	Pass
		713.5	25	0	5.035	/	Pass
	16QAM	701.5	25	0	5.056	/	Pass
		707.5	25	0	5.040	/	Pass
		713.5	25	0	5.041	/	Pass
10	QPSK	704	50	0	9.883	/	Pass



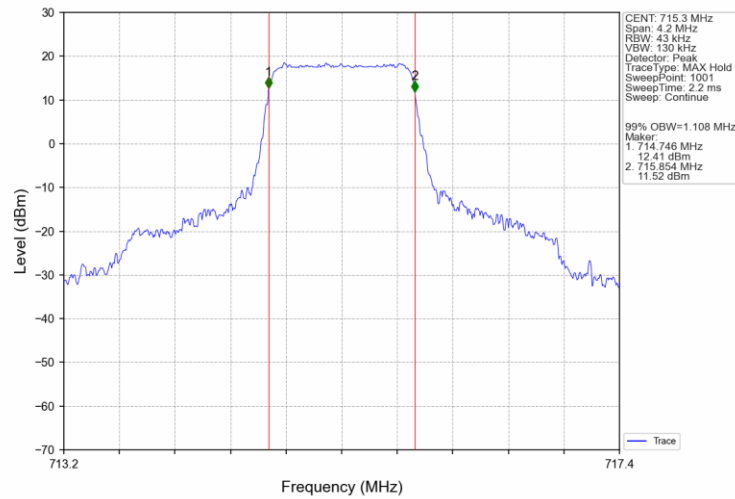
		707.5	50	0	9.976	/	Pass
		711	50	0	9.933	/	Pass
	16QAM	704	50	0	9.951	/	Pass
		707.5	50	0	9.919	/	Pass
		711	50	0	9.920	/	Pass

4.2 Test Graph

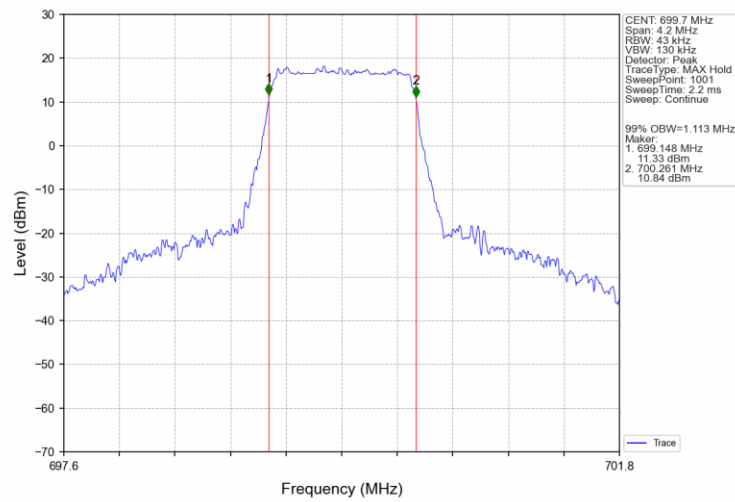
4.2.1 Band12_OBW



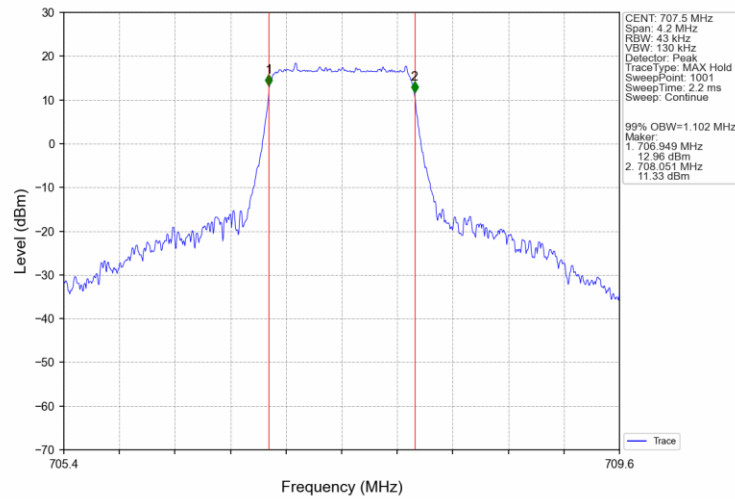
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



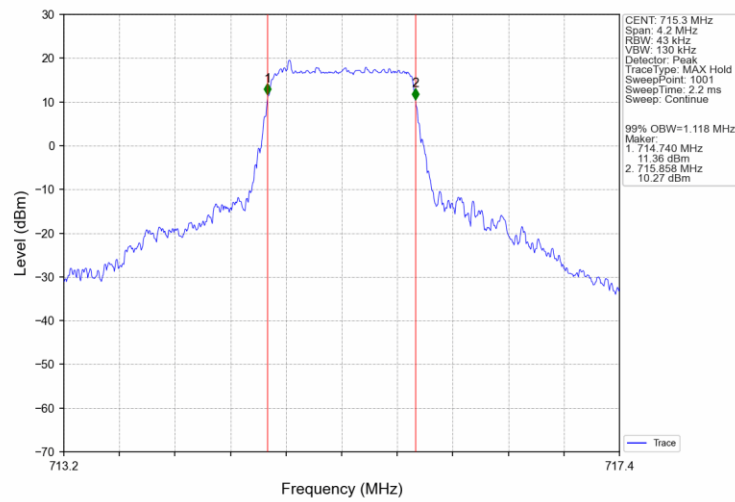
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



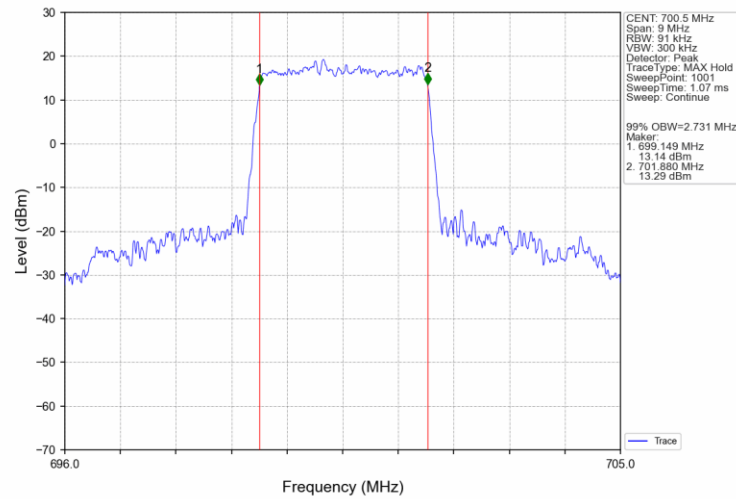
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



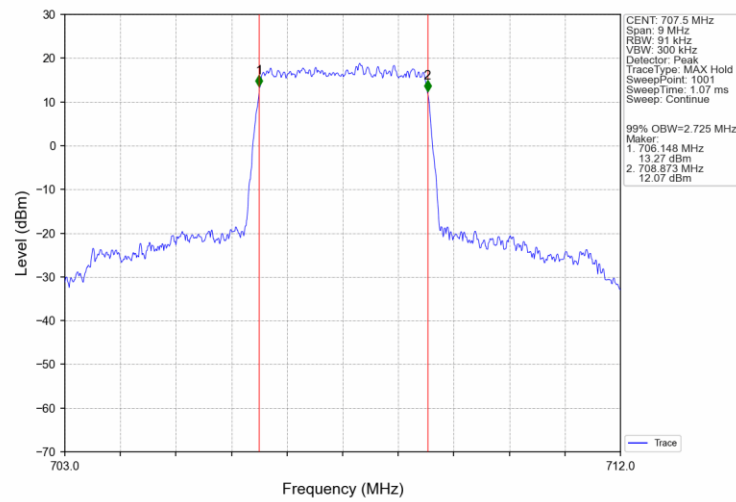
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



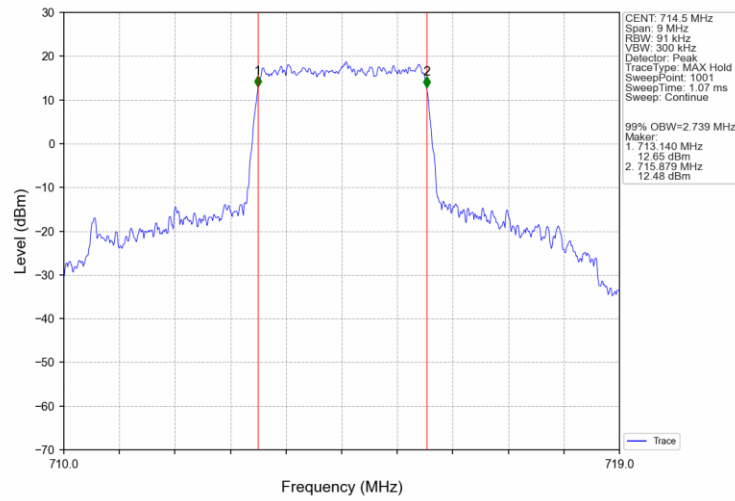
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



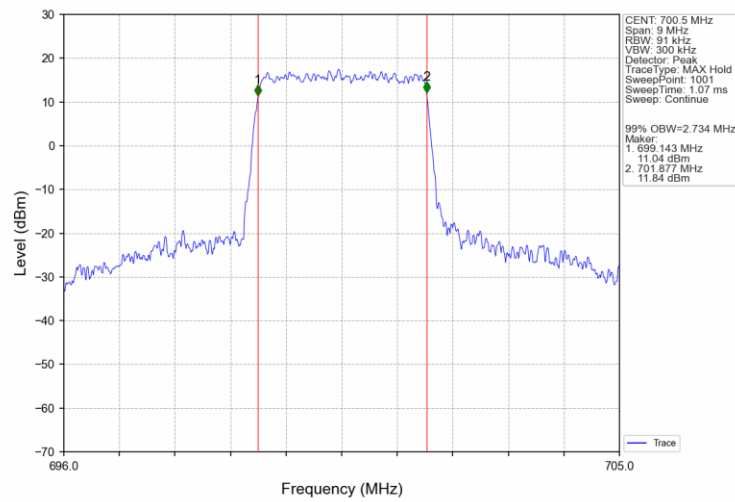
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



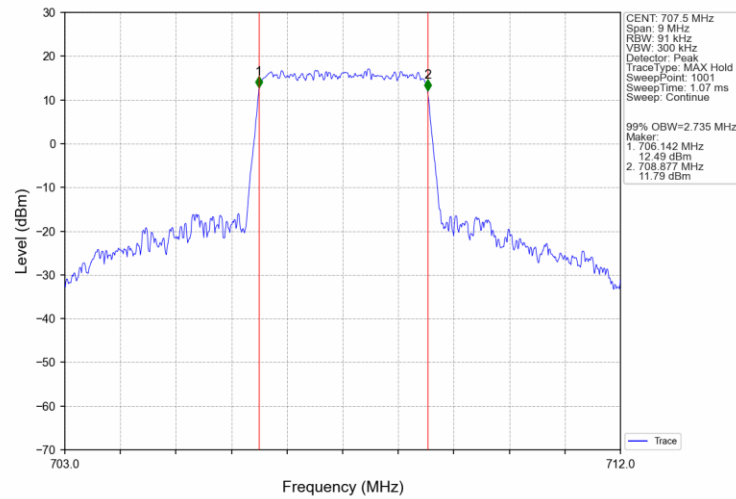
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



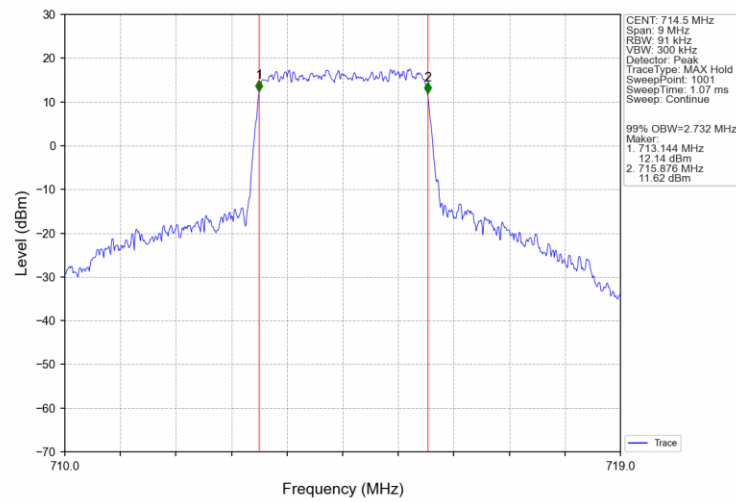
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



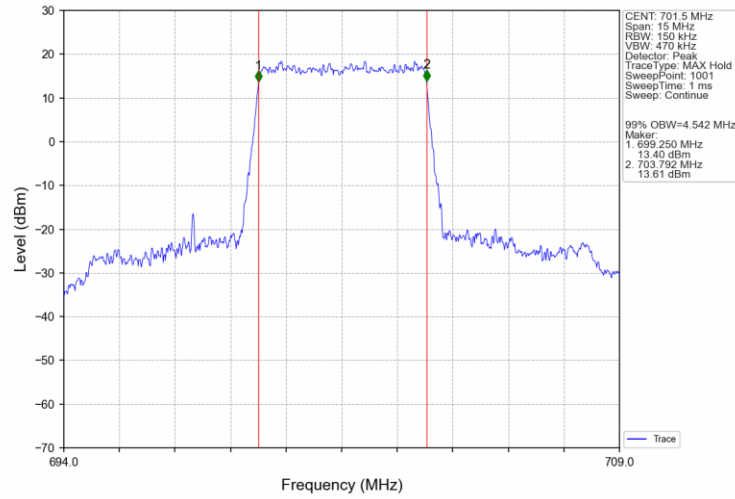
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



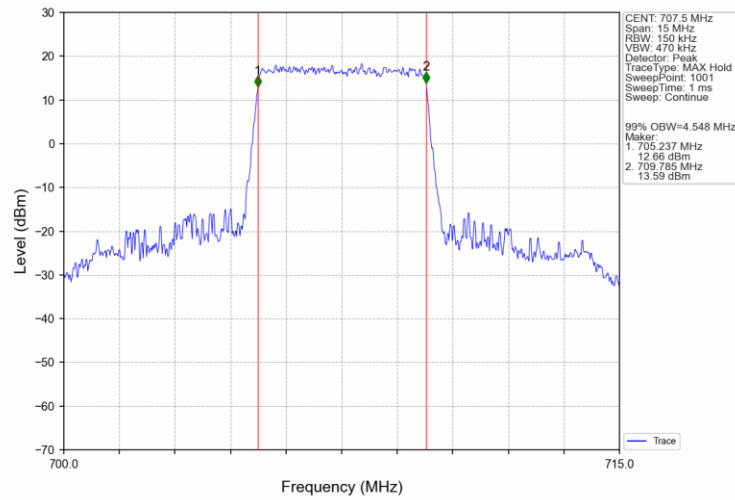
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



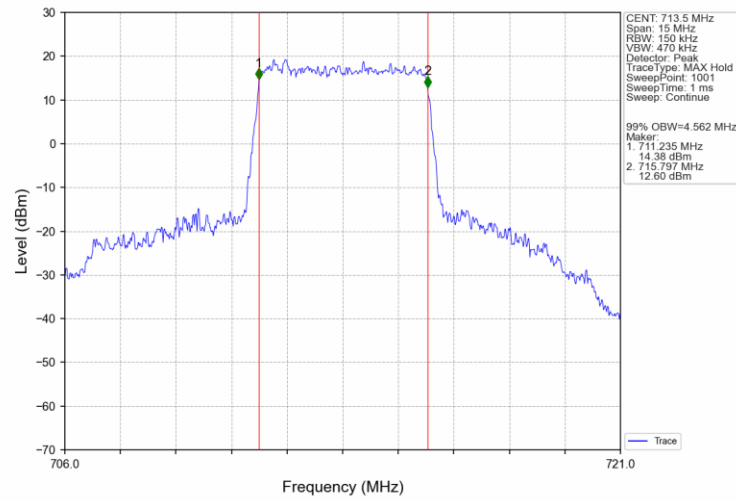
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



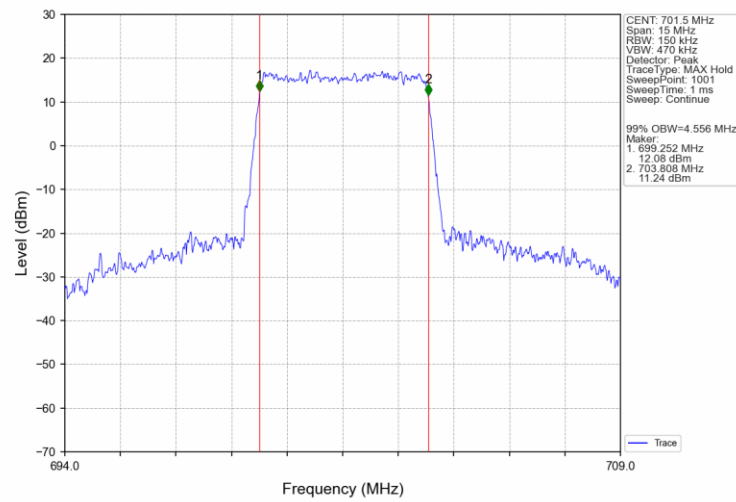
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



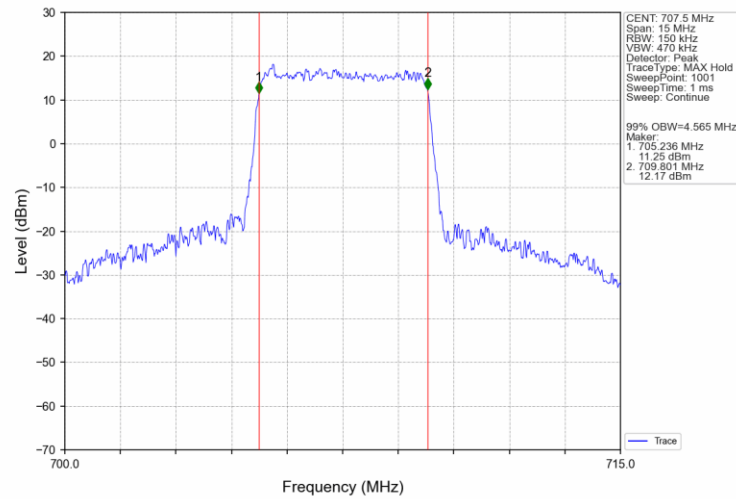
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



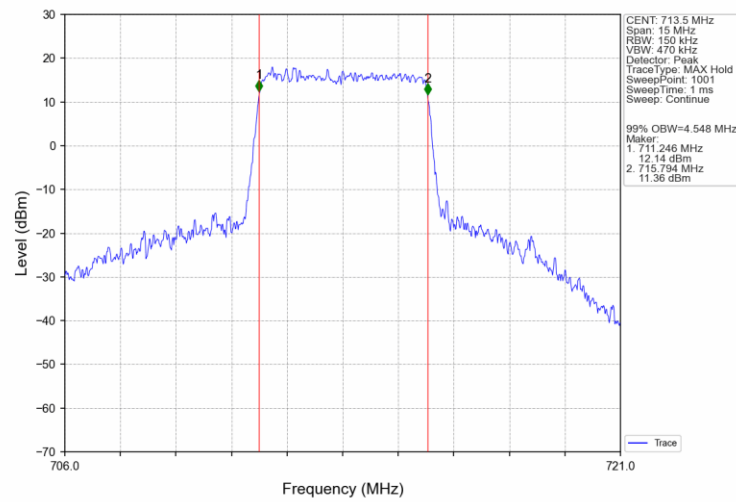
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



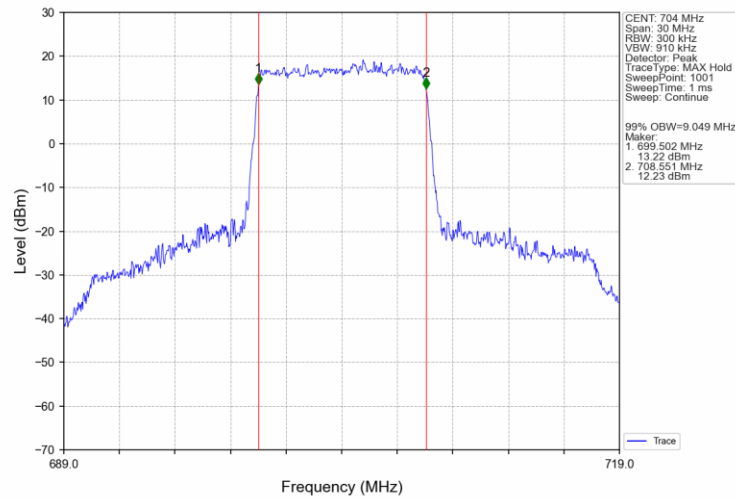
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



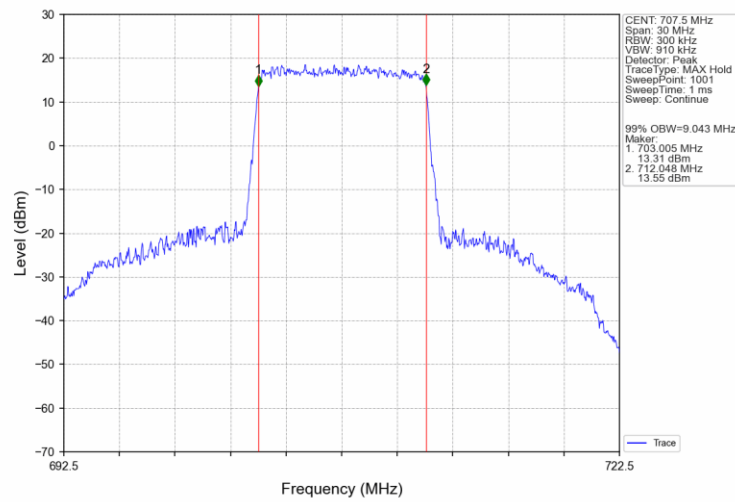
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



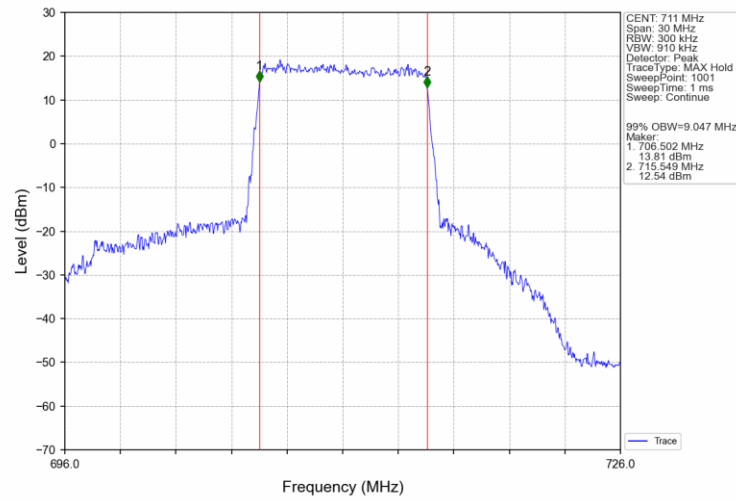
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



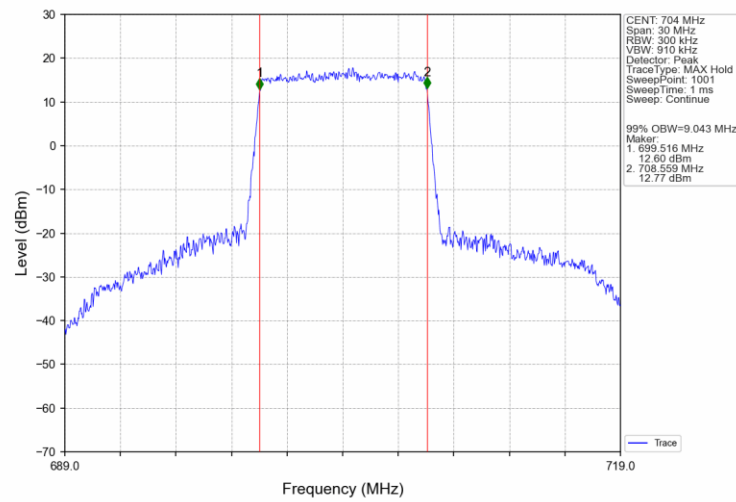
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



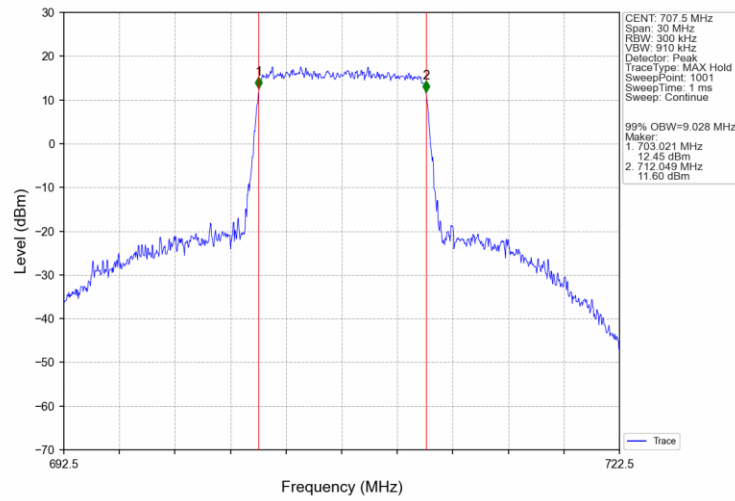
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



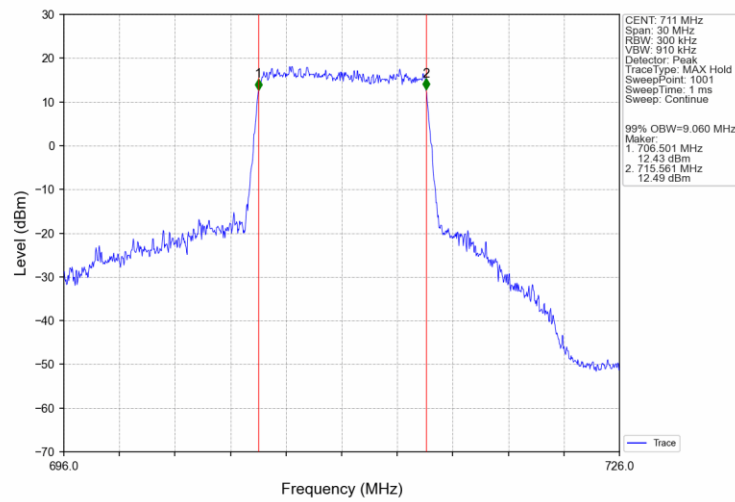
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

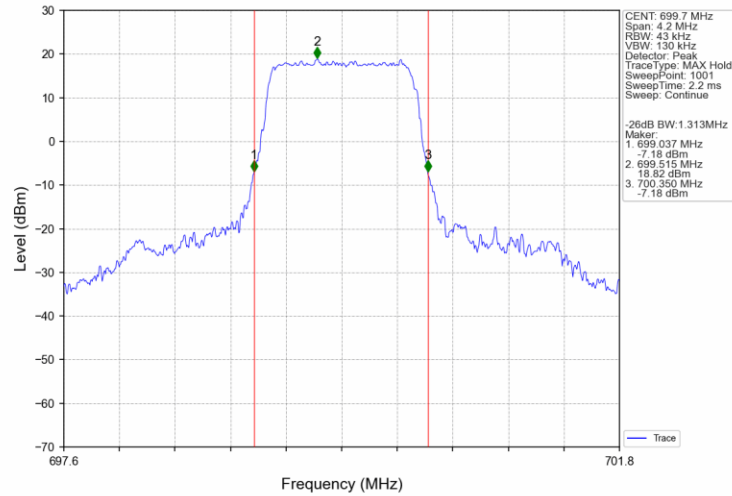


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

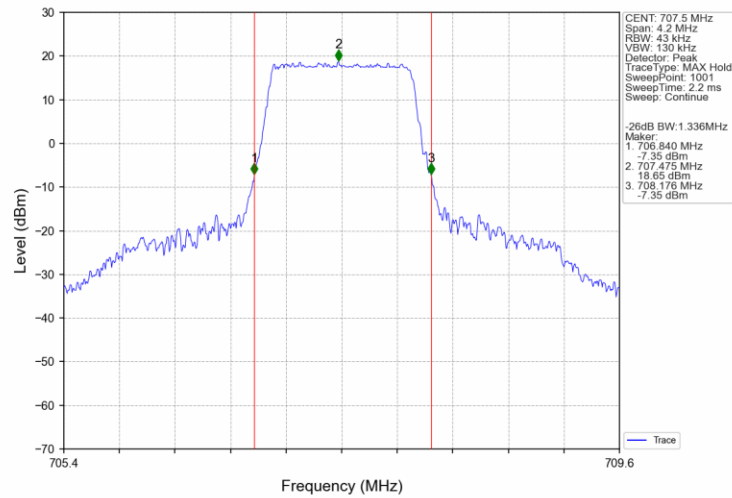


4.2.2 Band12_XDB

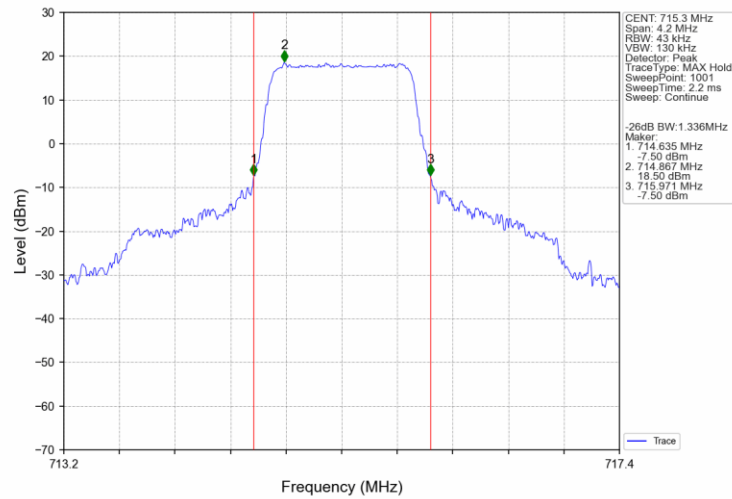
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



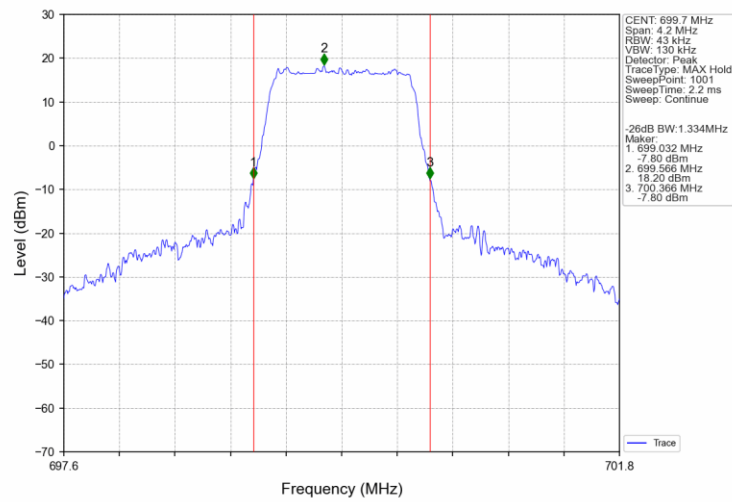
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTV



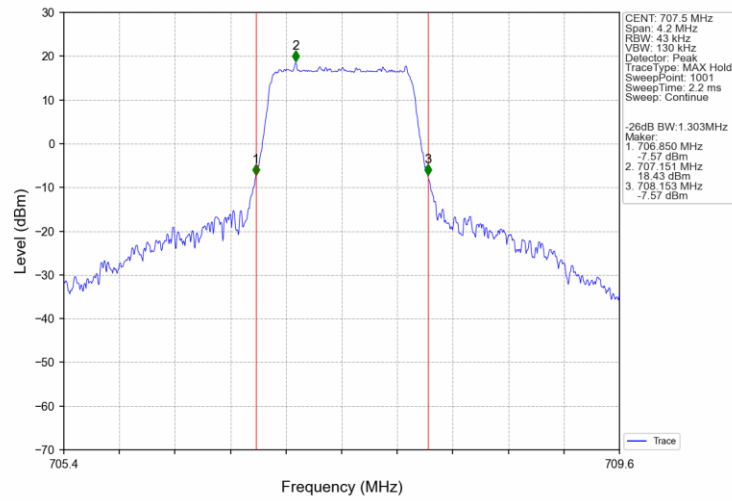
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



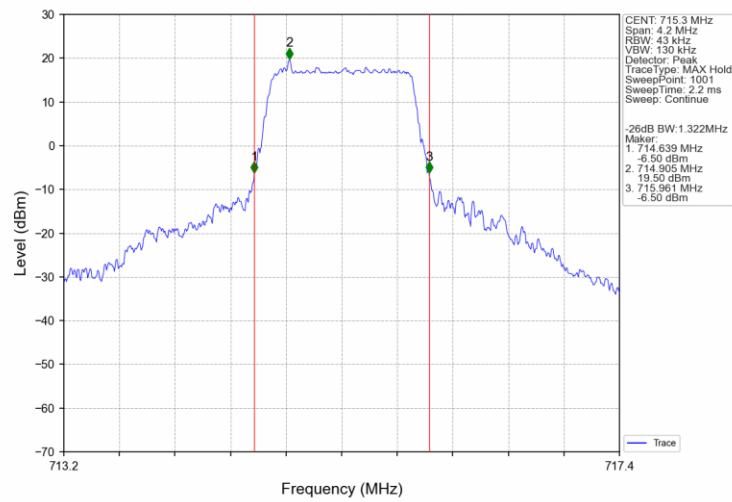
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



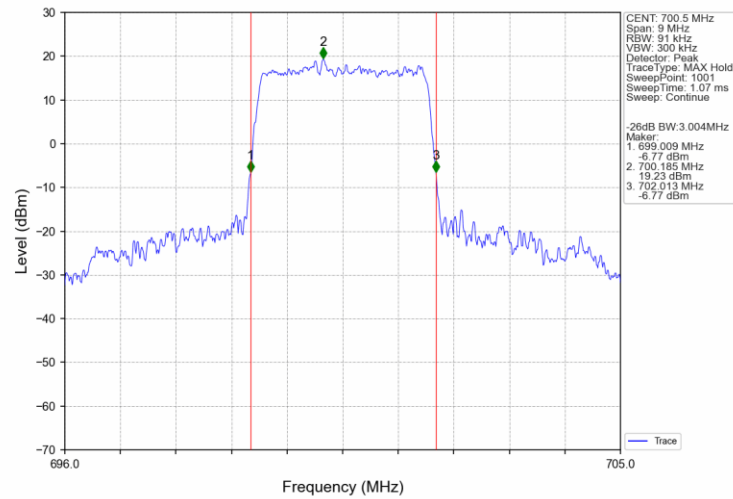
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



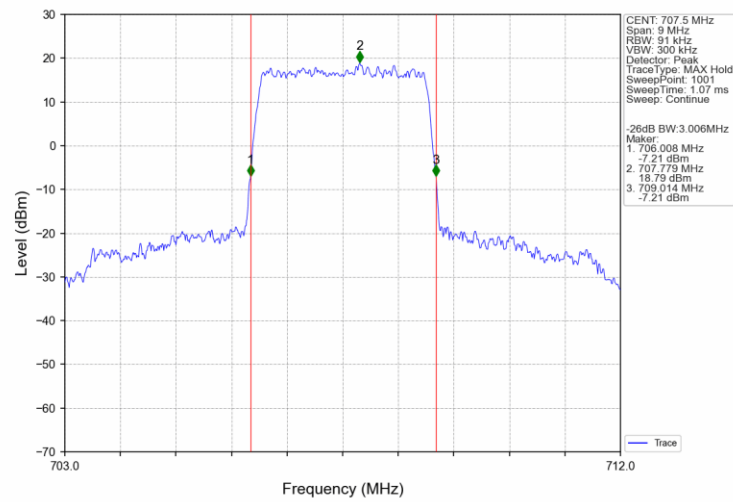
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



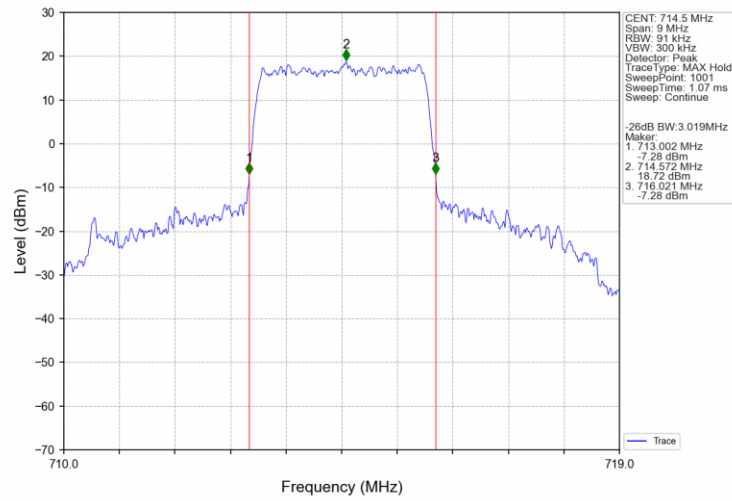
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



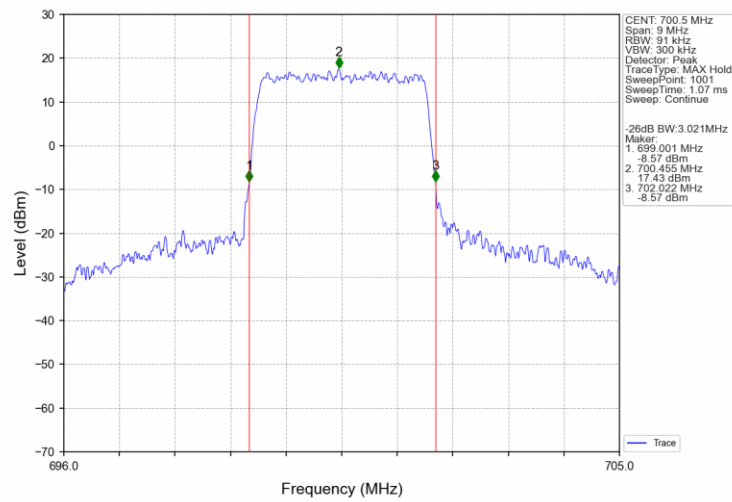
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



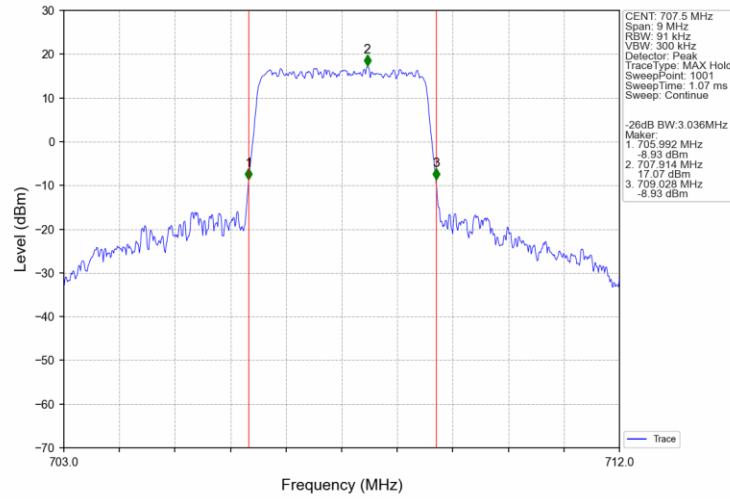
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



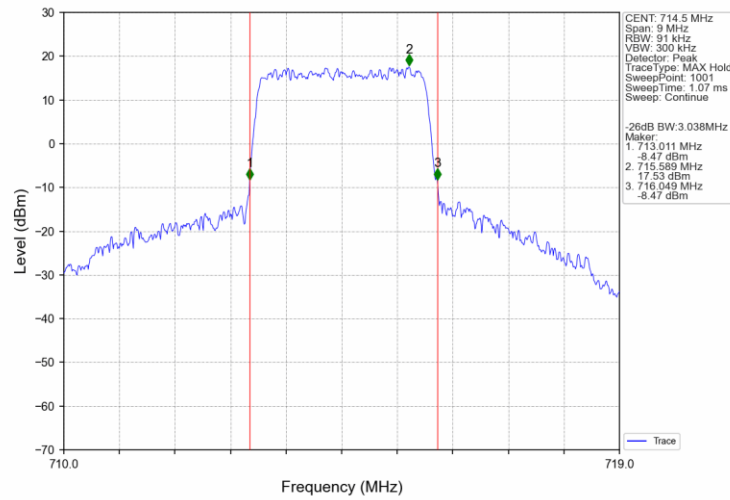
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



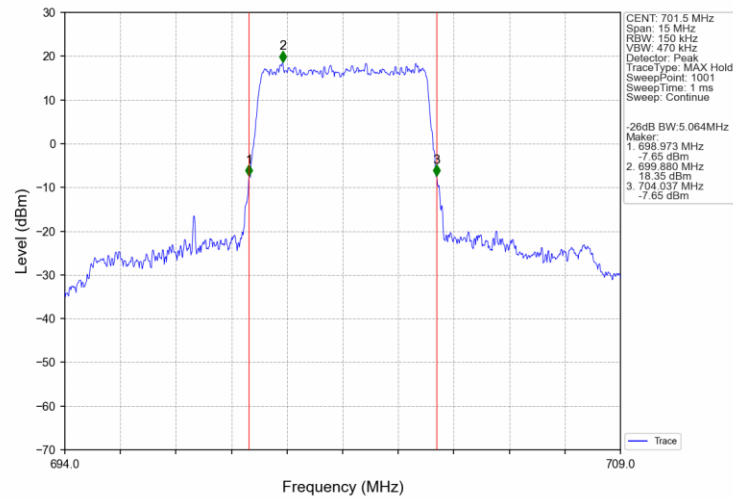
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



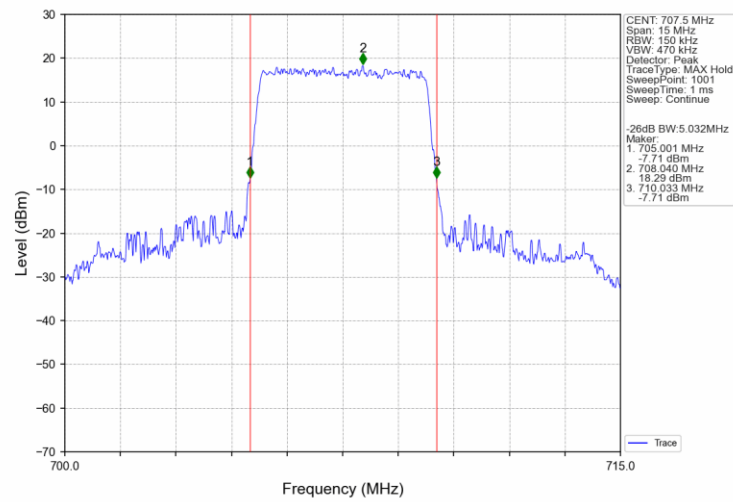
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



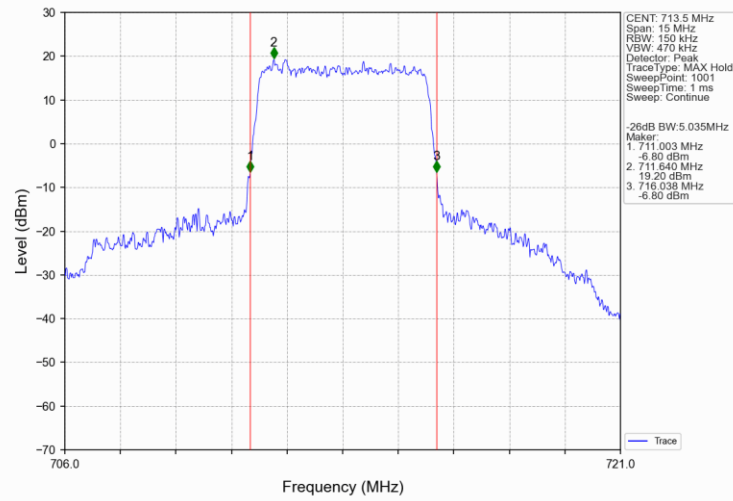
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



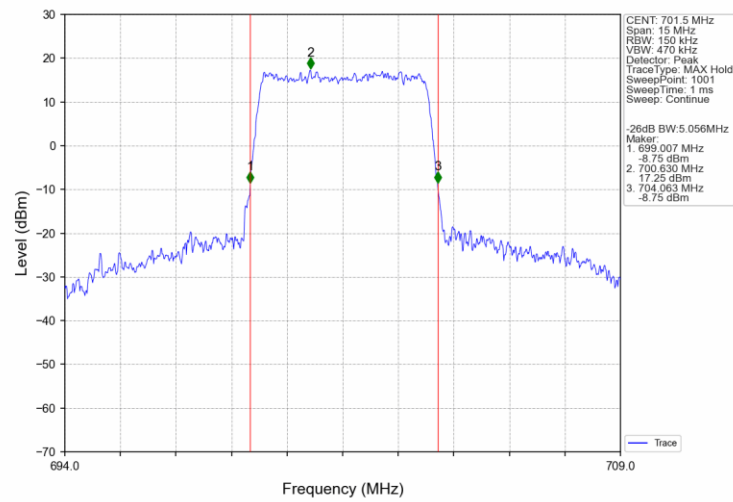
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



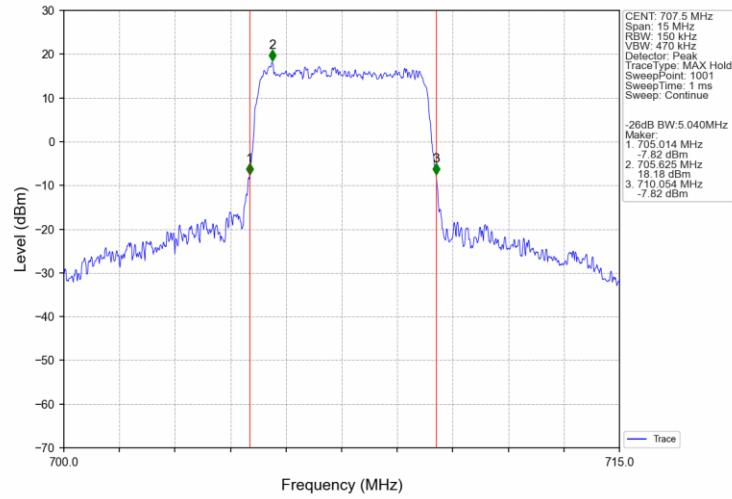
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



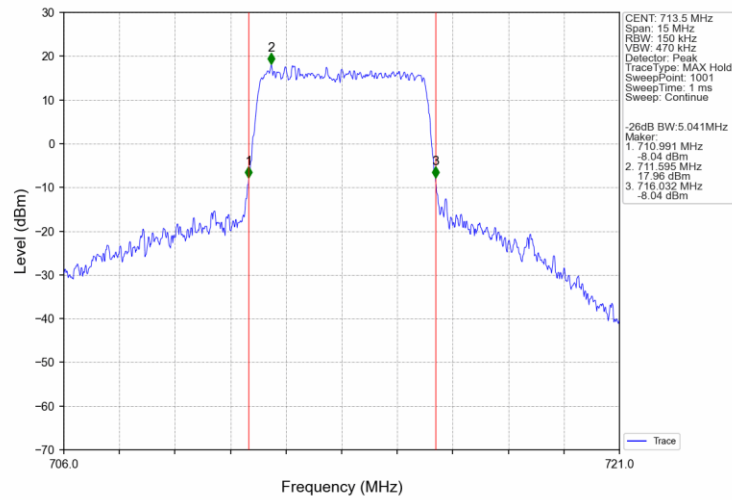
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



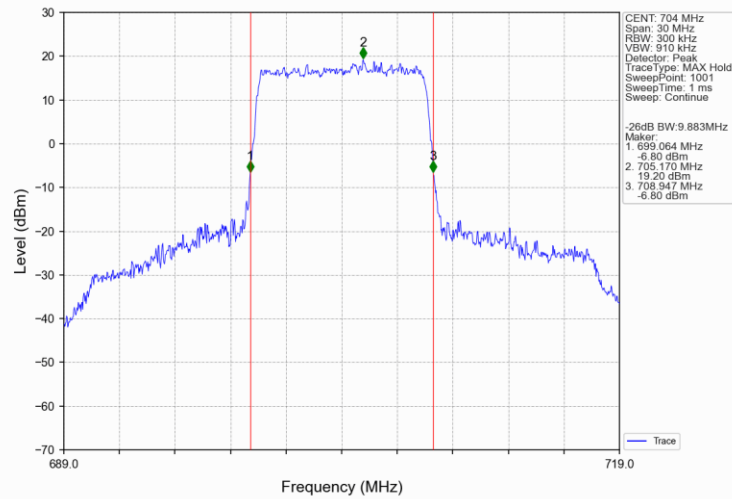
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



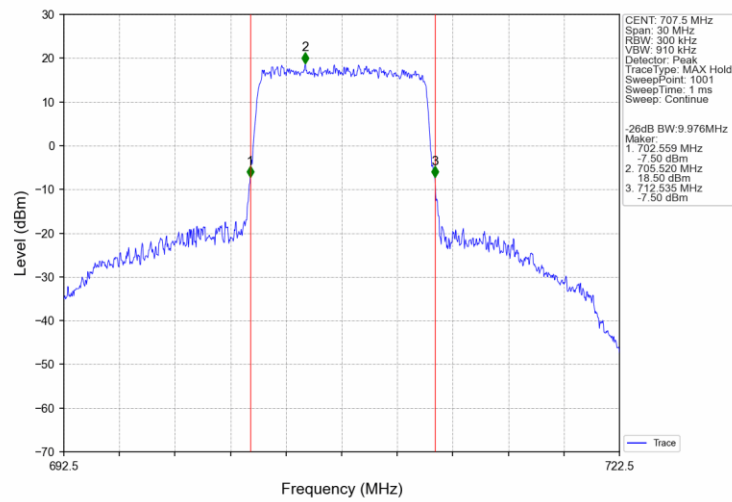
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



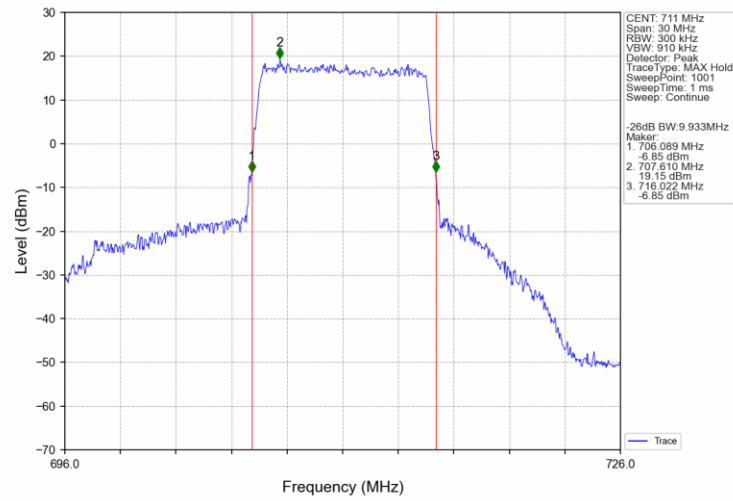
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



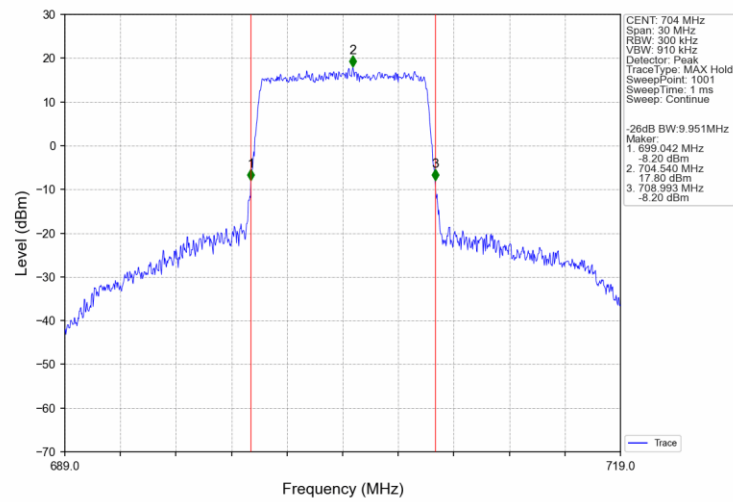
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



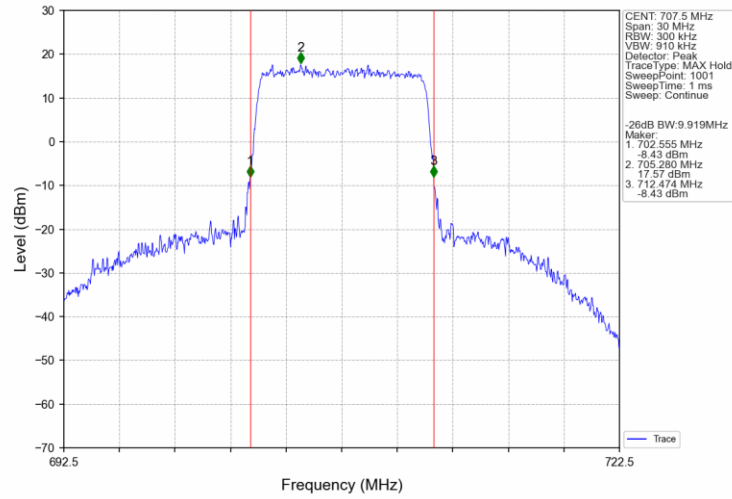
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



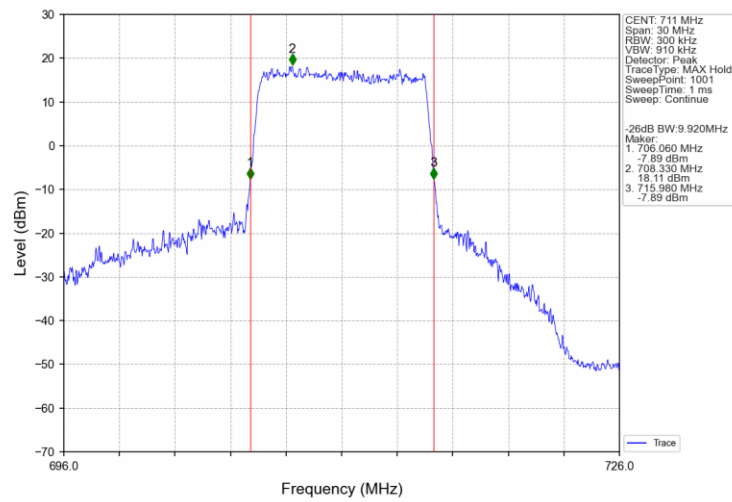
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.14	<=13	Pass
	707.5	6	0	4.92	<=13	Pass
	715.3	6	0	4.32	<=13	Pass
16QAM	699.7	6	0	5.96	<=13	Pass
	707.5	6	0	5.78	<=13	Pass
	715.3	6	0	5.14	<=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	5.29	<=13	Pass
	707.5	15	0	5.13	<=13	Pass
	714.5	15	0	4.72	<=13	Pass
16QAM	700.5	15	0	6.09	<=13	Pass
	707.5	15	0	5.99	<=13	Pass
	714.5	15	0	5.55	<=13	Pass

5.1.3 B12_5MHz

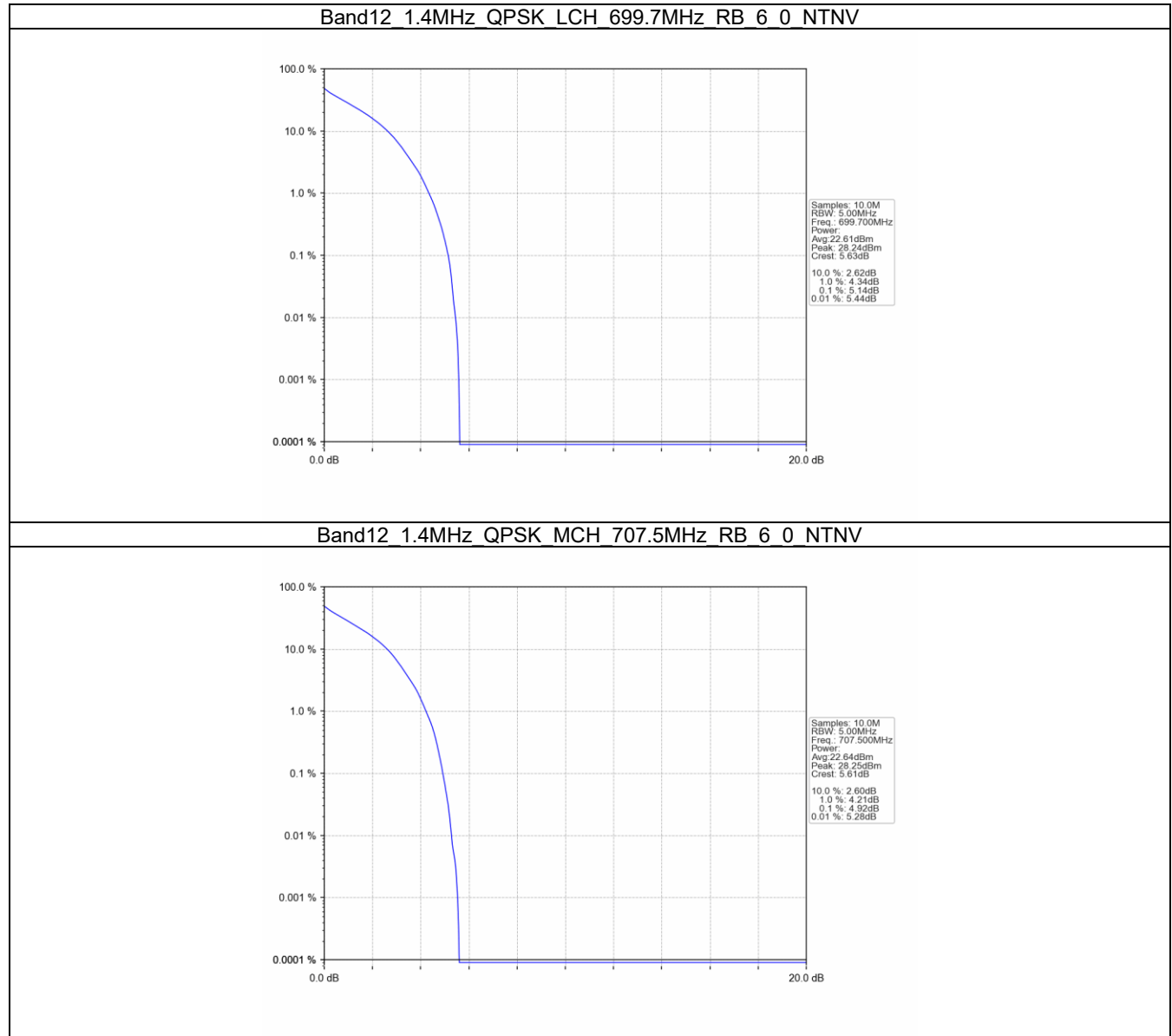
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.44	<=13	Pass
	707.5	25	0	5.37	<=13	Pass
	713.5	25	0	5.23	<=13	Pass
16QAM	701.5	25	0	6.20	<=13	Pass
	707.5	25	0	6.10	<=13	Pass
	713.5	25	0	5.92	<=13	Pass

5.1.4 B12_10MHz

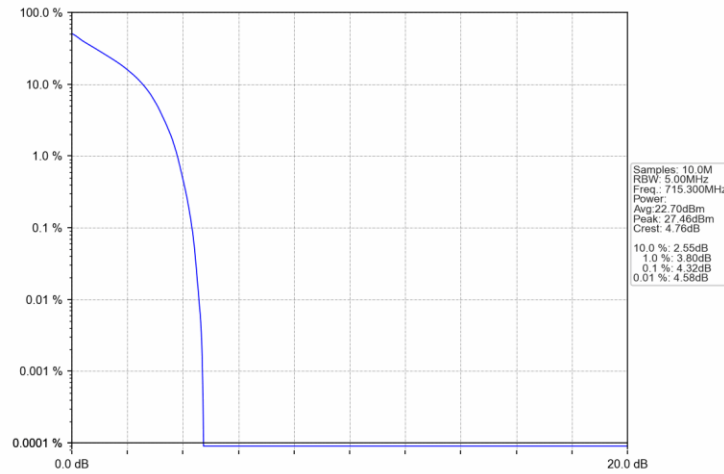
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.32	<=13	Pass
	707.5	50	0	5.29	<=13	Pass
	711	50	0	5.33	<=13	Pass
16QAM	704	50	0	6.11	<=13	Pass
	707.5	50	0	6.11	<=13	Pass
	711	50	0	6.09	<=13	Pass

5.2 Test Graph

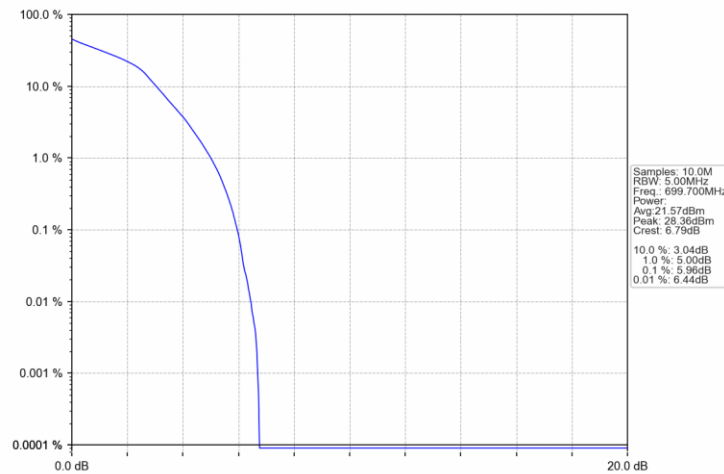
5.2.1 B12_1.4MHz



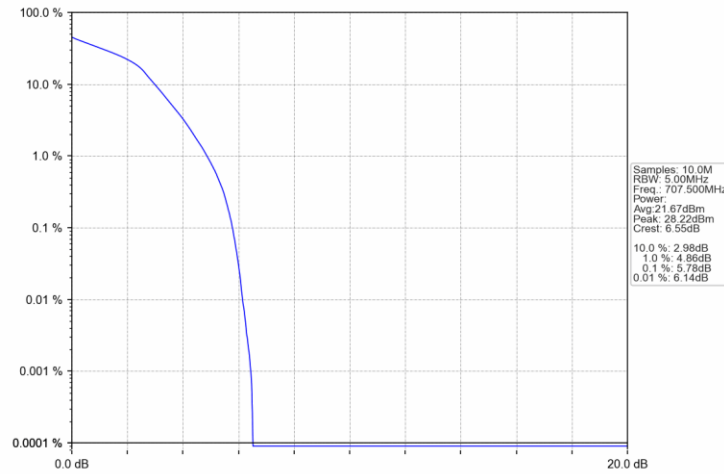
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



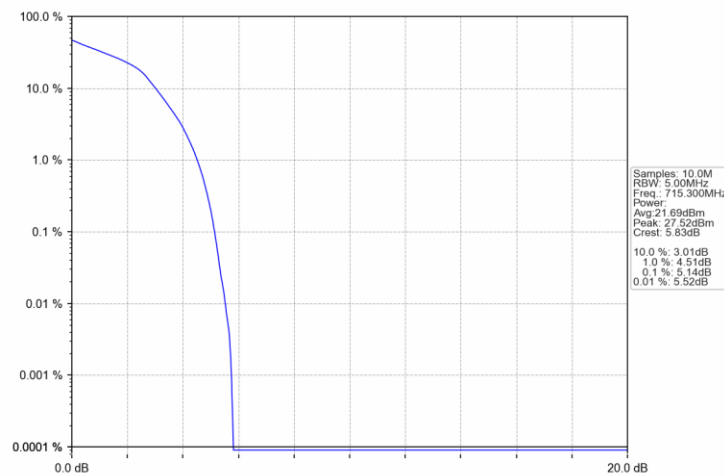
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

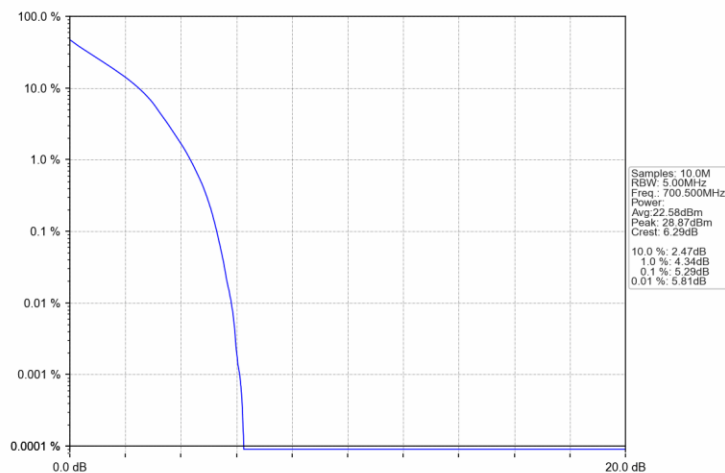


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

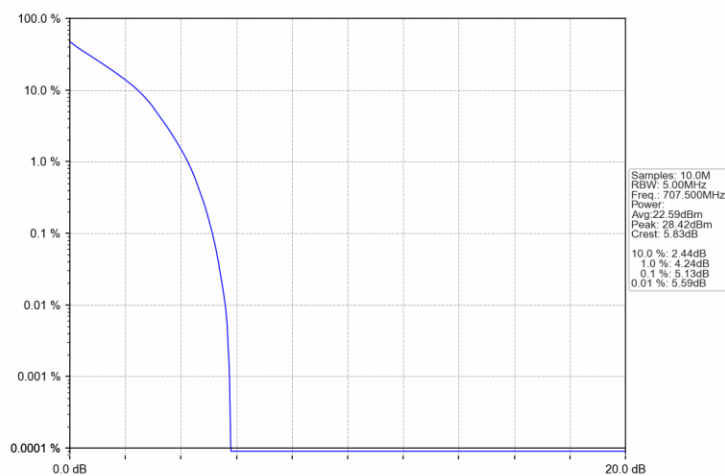


5.2.2 B12_3MHz

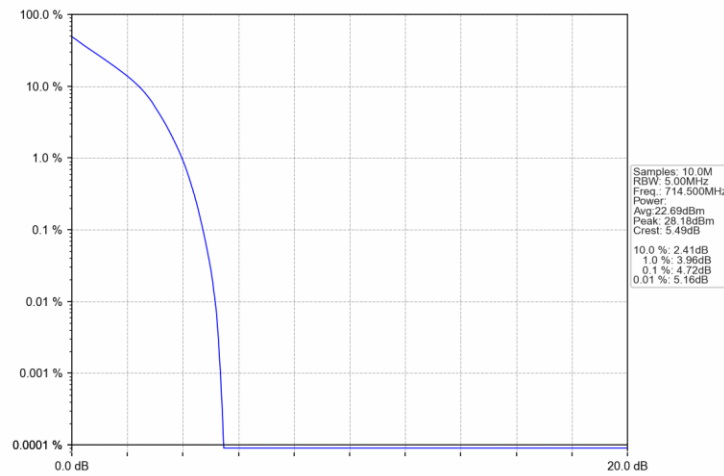
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



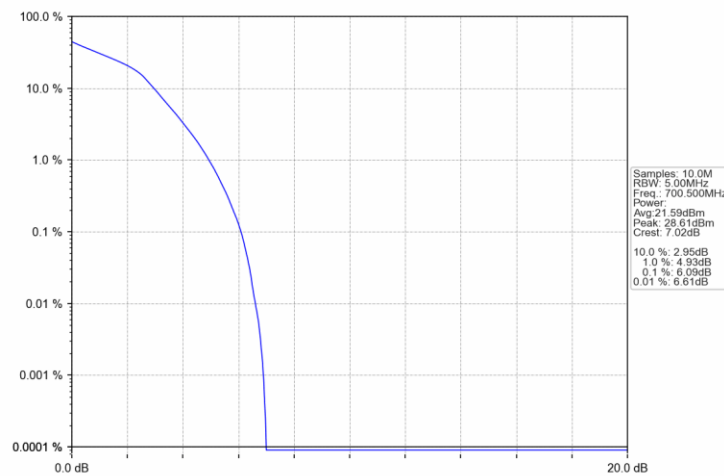
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



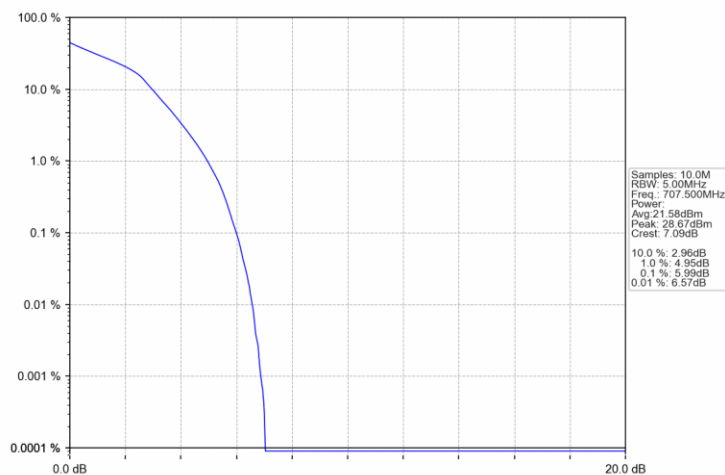
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



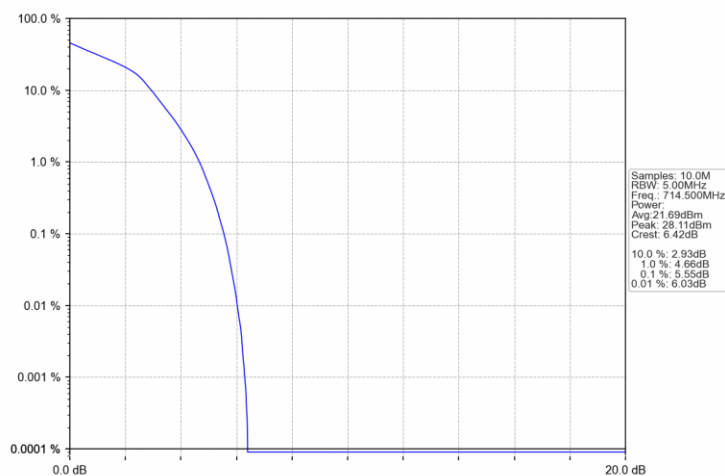
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

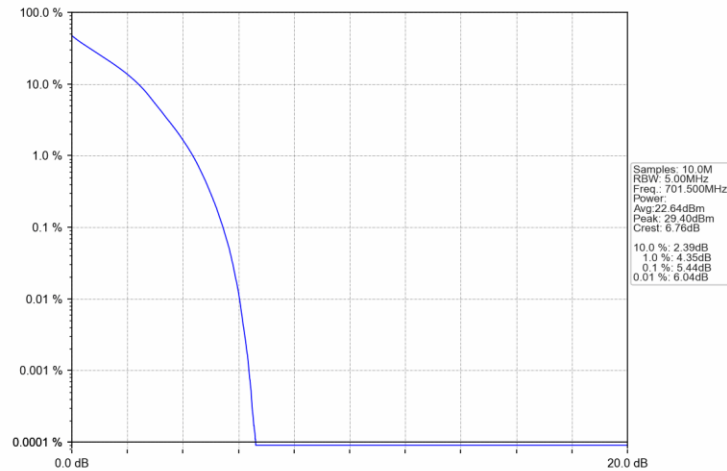


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

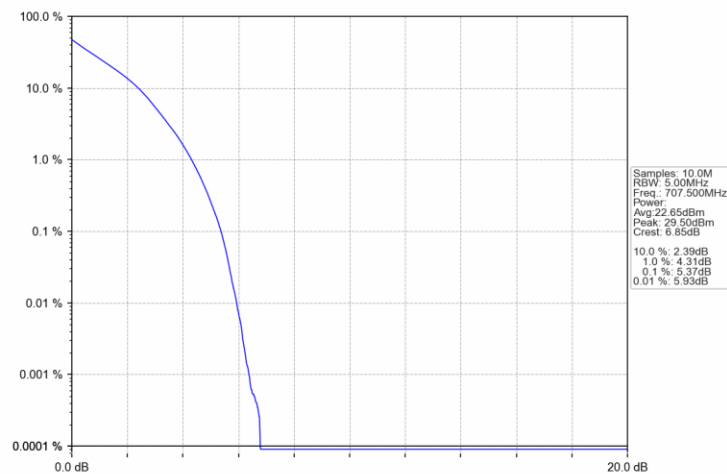


5.2.3 B12_5MHz

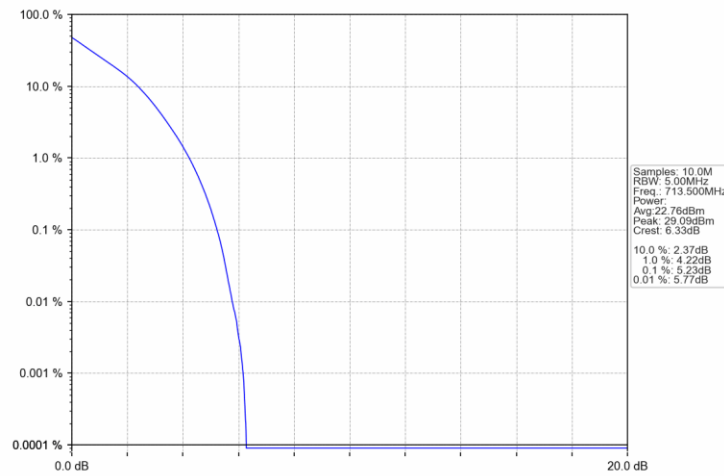
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



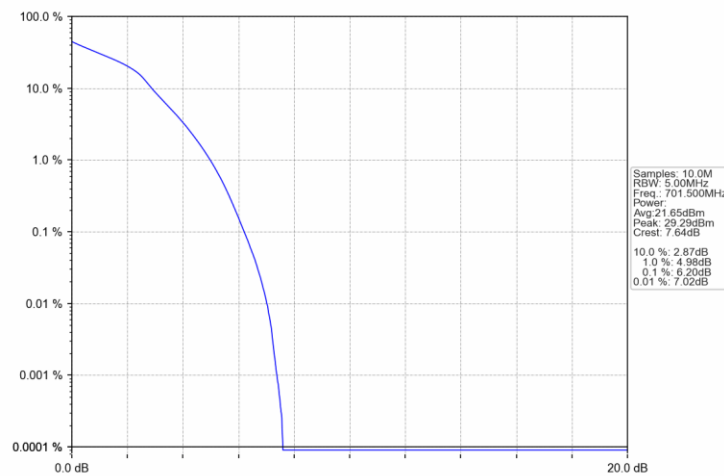
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



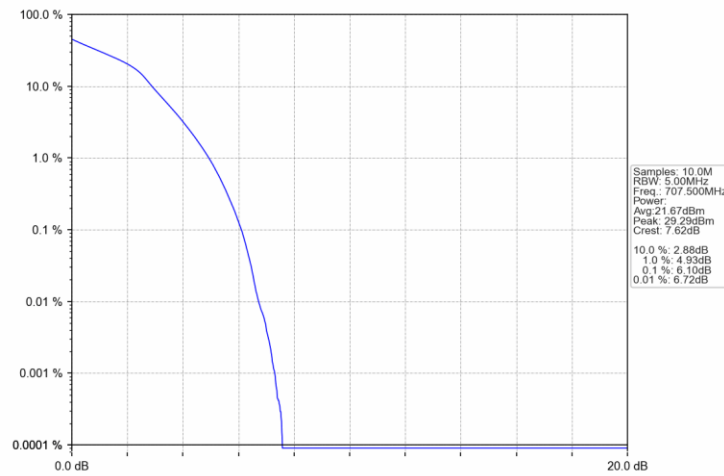
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



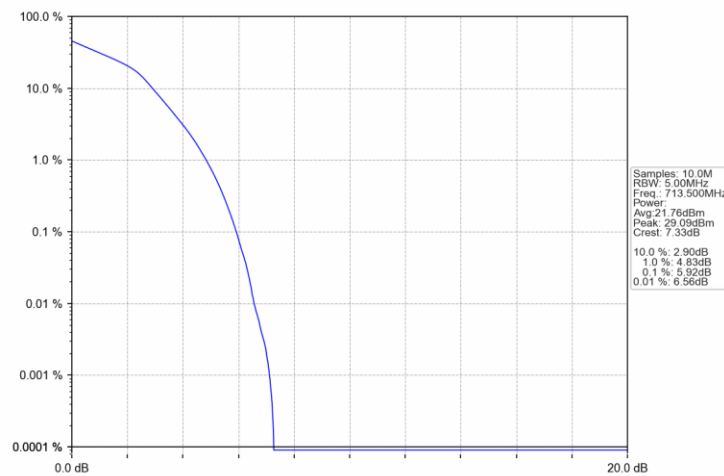
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

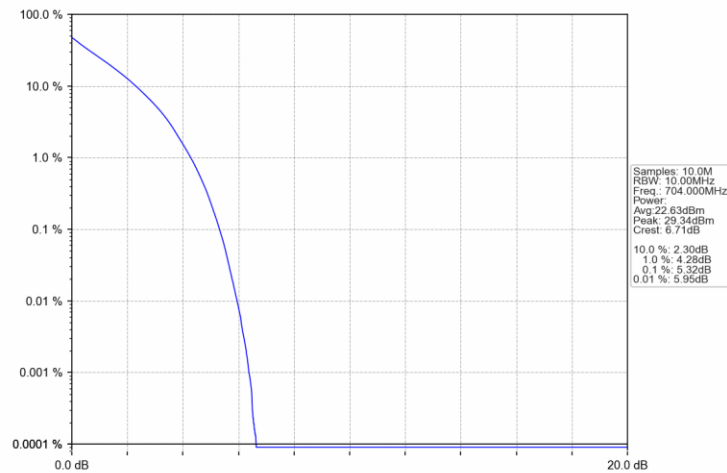


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

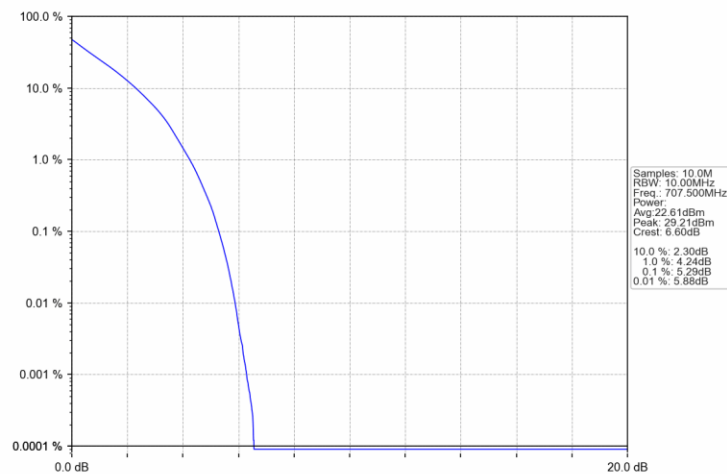


5.2.4 B12_10MHz

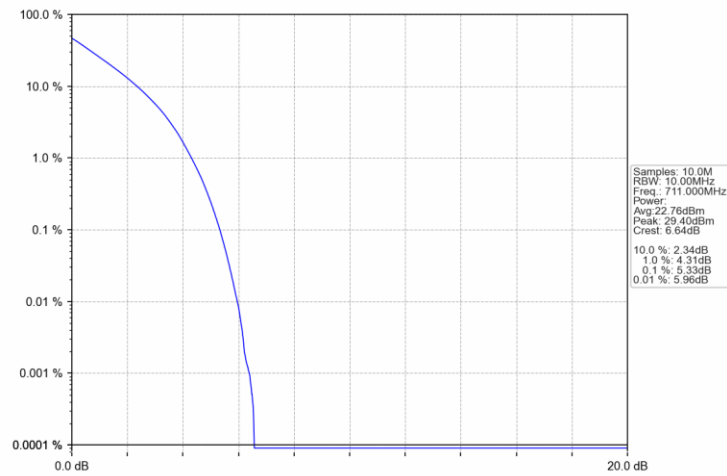
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



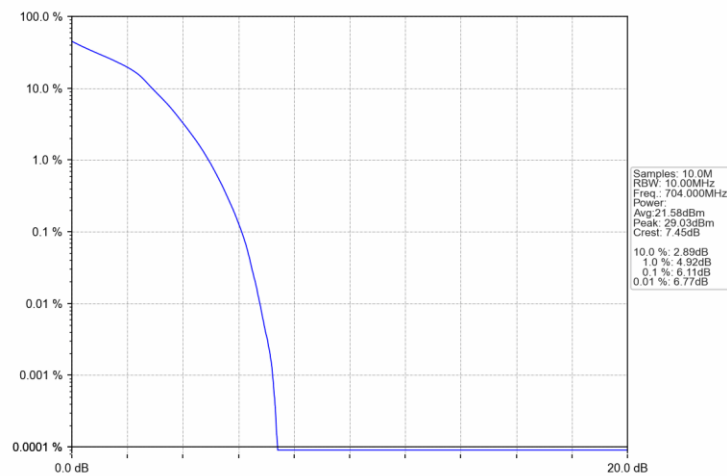
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



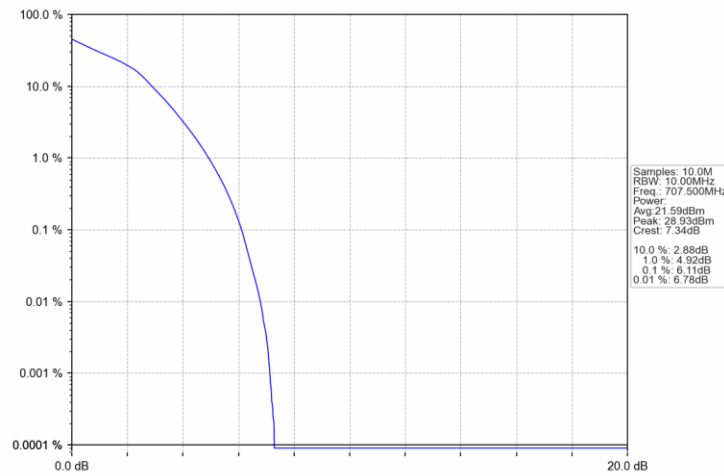
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



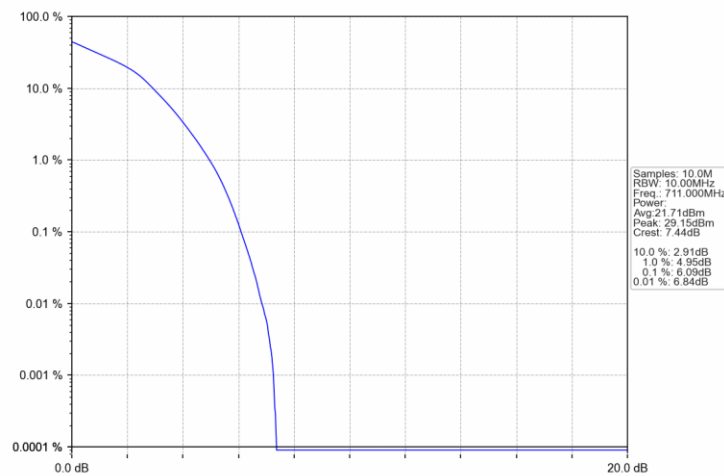
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 / NTV						
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
		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
		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
		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
		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
		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

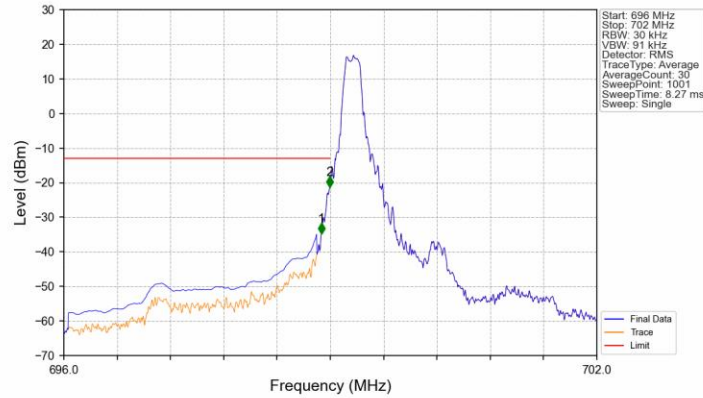
6.1.4 B12_10MHz

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
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.2 Test Graph

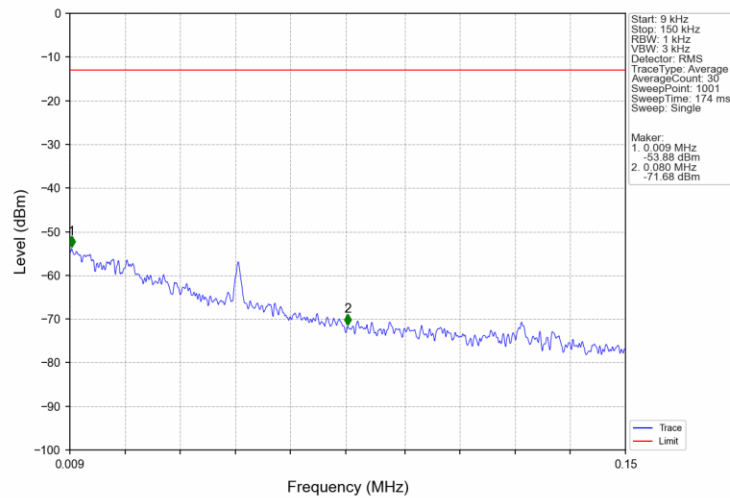
6.2.1 B12_1.4MHz

Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV

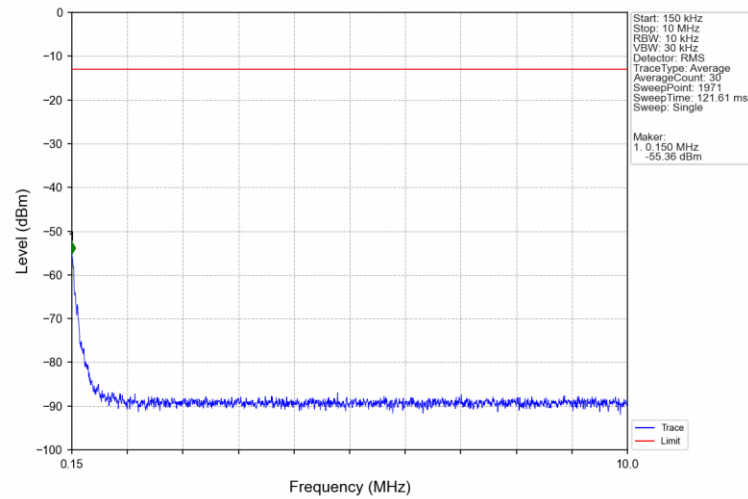


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-34.86	-13	Pass
698.9	699	0.03	/	2	698.994	-21.32	-13	Pass
699	702	0.03	/	/	/	/	/	/

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_NTNV

