

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	23.67	0.41	21.93	<=34.77	Pass
			2	23.65	0.41	21.91	<=34.77	Pass
			5	23.66	0.41	21.92	<=34.77	Pass
		3	0	23.73	0.41	21.99	<=34.77	Pass
			2	23.76	0.41	22.02	<=34.77	Pass
			3	23.75	0.41	22.01	<=34.77	Pass
		6	0	22.72	0.41	20.98	<=34.77	Pass
	707.5	1	0	23.34	0.41	21.60	<=34.77	Pass
			2	23.34	0.41	21.60	<=34.77	Pass
			5	23.33	0.41	21.59	<=34.77	Pass
		3	0	23.83	0.41	22.09	<=34.77	Pass
			2	23.80	0.41	22.06	<=34.77	Pass
			3	23.84	0.41	22.10	<=34.77	Pass
		6	0	22.83	0.41	21.09	<=34.77	Pass
	715.3	1	0	23.79	0.41	22.05	<=34.77	Pass
			2	23.70	0.41	21.96	<=34.77	Pass
			5	23.64	0.41	21.90	<=34.77	Pass
		3	0	23.97	0.41	22.23	<=34.77	Pass
			2	24.01	0.41	22.27	<=34.77	Pass
			3	23.96	0.41	22.22	<=34.77	Pass
		6	0	22.89	0.41	21.15	<=34.77	Pass
16QAM	699.7	1	0	22.44	0.41	20.70	<=34.77	Pass
			2	22.44	0.41	20.70	<=34.77	Pass
			5	22.47	0.41	20.73	<=34.77	Pass
		3	0	22.79	0.41	21.05	<=34.77	Pass
			2	22.82	0.41	21.08	<=34.77	Pass
			3	22.82	0.41	21.08	<=34.77	Pass
		6	0	21.69	0.41	19.95	<=34.77	Pass
	707.5	1	0	22.42	0.41	20.68	<=34.77	Pass
			2	22.45	0.41	20.71	<=34.77	Pass
			5	22.42	0.41	20.68	<=34.77	Pass
		3	0	22.77	0.41	21.03	<=34.77	Pass
			2	22.72	0.41	20.98	<=34.77	Pass
			3	22.75	0.41	21.01	<=34.77	Pass
		6	0	21.87	0.41	20.13	<=34.77	Pass
	715.3	1	0	22.50	0.41	20.76	<=34.77	Pass
			2	22.50	0.41	20.76	<=34.77	Pass
			5	22.48	0.41	20.74	<=34.77	Pass
		3	0	23.04	0.41	21.30	<=34.77	Pass
			2	23.04	0.41	21.30	<=34.77	Pass
			3	23.01	0.41	21.27	<=34.77	Pass
		6	0	21.88	0.41	20.14	<=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	23.63	0.41	21.89	<=34.77	Pass
			7	23.67	0.41	21.93	<=34.77	Pass
			14	23.63	0.41	21.89	<=34.77	Pass
		8	0	22.70	0.41	20.96	<=34.77	Pass
			4	22.72	0.41	20.98	<=34.77	Pass
			7	22.68	0.41	20.94	<=34.77	Pass
		15	0	22.72	0.41	20.98	<=34.77	Pass
	707.5	1	0	23.31	0.41	21.57	<=34.77	Pass
			7	23.37	0.41	21.63	<=34.77	Pass
			14	23.39	0.41	21.65	<=34.77	Pass
		8	0	22.76	0.41	21.02	<=34.77	Pass
			4	22.81	0.41	21.07	<=34.77	Pass
			7	22.80	0.41	21.06	<=34.77	Pass
		15	0	22.75	0.41	21.01	<=34.77	Pass
	714.5	1	0	23.43	0.41	21.69	<=34.77	Pass
			7	23.32	0.41	21.58	<=34.77	Pass
			14	23.25	0.41	21.51	<=34.77	Pass
		8	0	22.89	0.41	21.15	<=34.77	Pass
			4	22.90	0.41	21.16	<=34.77	Pass
			7	22.88	0.41	21.14	<=34.77	Pass
		15	0	22.88	0.41	21.14	<=34.77	Pass
16QAM	700.5	1	0	22.54	0.41	20.80	<=34.77	Pass
			7	22.44	0.41	20.70	<=34.77	Pass
			14	22.39	0.41	20.65	<=34.77	Pass
		8	0	21.71	0.41	19.97	<=34.77	Pass
			4	21.68	0.41	19.94	<=34.77	Pass
			7	21.71	0.41	19.97	<=34.77	Pass
		15	0	21.73	0.41	19.99	<=34.77	Pass
	707.5	1	0	22.44	0.41	20.70	<=34.77	Pass
			7	22.41	0.41	20.67	<=34.77	Pass
			14	22.36	0.41	20.62	<=34.77	Pass
		8	0	21.93	0.41	20.19	<=34.77	Pass
			4	21.98	0.41	20.24	<=34.77	Pass
			7	21.95	0.41	20.21	<=34.77	Pass
		15	0	21.77	0.41	20.03	<=34.77	Pass
	714.5	1	0	22.54	0.41	20.80	<=34.77	Pass
			7	22.51	0.41	20.77	<=34.77	Pass
			14	22.48	0.41	20.74	<=34.77	Pass
		8	0	22.07	0.41	20.33	<=34.77	Pass
			4	22.09	0.41	20.35	<=34.77	Pass
			7	22.09	0.41	20.35	<=34.77	Pass
		15	0	21.95	0.41	20.21	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

Band: 12 / Bandwidth: 5MHz / NTNV

Band: 12 / Bandwidth: 5MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	701.5	1	0	23.66	0.41	21.92	<=34.77	Pass		
			13	23.48	0.41	21.74	<=34.77	Pass		
			24	23.45	0.41	21.71	<=34.77	Pass		
		12	0	22.75	0.41	21.01	<=34.77	Pass		
			6	22.73	0.41	20.99	<=34.77	Pass		
			13	22.77	0.41	21.03	<=34.77	Pass		
		25	0	22.78	0.41	21.04	<=34.77	Pass		
		707.5	1	0	23.24	0.41	21.50	<=34.77	Pass	
				13	23.30	0.41	21.56	<=34.77	Pass	
	24			23.40	0.41	21.66	<=34.77	Pass		
	12		0	22.82	0.41	21.08	<=34.77	Pass		
			6	22.82	0.41	21.08	<=34.77	Pass		
			13	22.78	0.41	21.04	<=34.77	Pass		
	25	0	22.79	0.41	21.05	<=34.77	Pass			
	713.5	1	0	23.49	0.41	21.75	<=34.77	Pass		
			13	23.54	0.41	21.80	<=34.77	Pass		
			24	23.52	0.41	21.78	<=34.77	Pass		
		12	0	22.92	0.41	21.18	<=34.77	Pass		
			6	22.88	0.41	21.14	<=34.77	Pass		
			13	22.95	0.41	21.21	<=34.77	Pass		
		25	0	22.95	0.41	21.21	<=34.77	Pass		
		16QAM	701.5	1	0	22.57	0.41	20.83	<=34.77	Pass
					13	22.51	0.41	20.77	<=34.77	Pass
	24				22.62	0.41	20.88	<=34.77	Pass	
12	0			21.72	0.41	19.98	<=34.77	Pass		
	6			21.66	0.41	19.92	<=34.77	Pass		
	13			21.72	0.41	19.98	<=34.77	Pass		
25	0			21.79	0.41	20.05	<=34.77	Pass		
707.5	1		0	22.45	0.41	20.71	<=34.77	Pass		
			13	22.51	0.41	20.77	<=34.77	Pass		
			24	22.56	0.41	20.82	<=34.77	Pass		
	12		0	21.79	0.41	20.05	<=34.77	Pass		
			6	21.78	0.41	20.04	<=34.77	Pass		
			13	21.75	0.41	20.01	<=34.77	Pass		
25	0		21.81	0.41	20.07	<=34.77	Pass			
713.5	1		0	22.63	0.41	20.89	<=34.77	Pass		
		13	22.63	0.41	20.89	<=34.77	Pass			
		24	22.63	0.41	20.89	<=34.77	Pass			
	12	0	21.98	0.41	20.24	<=34.77	Pass			
		6	21.94	0.41	20.20	<=34.77	Pass			
		13	22.02	0.41	20.28	<=34.77	Pass			
25	0	21.94	0.41	20.20	<=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	23.40	0.41	21.66	<=34.77	Pass
			25	23.38	0.41	21.64	<=34.77	Pass
			49	23.37	0.41	21.63	<=34.77	Pass
		25	0	22.62	0.41	20.88	<=34.77	Pass
			13	22.81	0.41	21.07	<=34.77	Pass
			25	22.82	0.41	21.08	<=34.77	Pass
		50	0	22.76	0.41	21.02	<=34.77	Pass
			0	23.27	0.41	21.53	<=34.77	Pass
			25	23.41	0.41	21.67	<=34.77	Pass
	707.5	1	49	23.43	0.41	21.69	<=34.77	Pass
			0	22.76	0.41	21.02	<=34.77	Pass
			13	22.76	0.41	21.02	<=34.77	Pass
		25	25	22.69	0.41	20.95	<=34.77	Pass
			0	22.75	0.41	21.01	<=34.77	Pass
			0	23.25	0.41	21.51	<=34.77	Pass
		50	25	23.42	0.41	21.68	<=34.77	Pass
			49	23.39	0.41	21.65	<=34.77	Pass
			0	22.89	0.41	21.15	<=34.77	Pass
16QAM	704	1	13	22.85	0.41	21.11	<=34.77	Pass
			25	22.90	0.41	21.16	<=34.77	Pass
			0	22.92	0.41	21.18	<=34.77	Pass
		25	0	22.40	0.41	20.66	<=34.77	Pass
			25	22.46	0.41	20.72	<=34.77	Pass
			49	22.55	0.41	20.81	<=34.77	Pass
		50	0	21.65	0.41	19.91	<=34.77	Pass
			13	21.80	0.41	20.06	<=34.77	Pass
			25	21.82	0.41	20.08	<=34.77	Pass
	707.5	1	0	21.68	0.41	20.08	<=34.77	Pass
			0	22.31	0.41	20.57	<=34.77	Pass
			25	22.46	0.41	20.72	<=34.77	Pass
		25	49	22.44	0.41	20.70	<=34.77	Pass
			0	21.83	0.41	20.09	<=34.77	Pass
			13	21.88	0.41	20.14	<=34.77	Pass
		50	25	21.77	0.41	20.03	<=34.77	Pass
			0	21.67	0.41	19.93	<=34.77	Pass
			0	21.77	0.41	20.03	<=34.77	Pass
	711	1	0	21.67	0.41	19.93	<=34.77	Pass
			0	22.44	0.41	20.70	<=34.77	Pass
			25	22.59	0.41	20.85	<=34.77	Pass
		25	49	22.52	0.41	20.78	<=34.77	Pass
			0	21.92	0.41	20.18	<=34.77	Pass
			13	21.88	0.41	20.14	<=34.77	Pass
		50	25	21.94	0.41	20.20	<=34.77	Pass
			0	21.89	0.41	20.15	<=34.77	Pass
			0	21.89	0.41	20.15	<=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	3.27	-0.916	-0.0013	-2.5 to 2.5	Pass
					3.85	0.114	0.0002	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	4.549	0.0065	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0048	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0061	-2.5 to 2.5	Pass
				50	3.85	2.031	0.0029	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-2.675	-0.0038	-2.5 to 2.5	Pass
					3.85	0.300	0.0004	-2.5 to 2.5	Pass
					4.43	-2.117	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-3.390	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	1.760	0.0025	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
				10	3.85	2.103	0.0030	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				40	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	3.147	0.0044	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0031	-2.5 to 2.5	Pass
					4.43	3.033	0.0042	-2.5 to 2.5	Pass
				-30	3.85	2.861	0.0040	-2.5 to 2.5	Pass
				-20	3.85	2.718	0.0038	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.85	3.877	0.0054	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
				30	3.85	3.362	0.0047	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0019	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-3.505	-0.0050	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0075	-2.5 to 2.5	Pass
					4.43	1.860	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.489	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0023	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0024	-2.5 to 2.5	Pass
				50	3.85	2.875	0.0041	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-4.621	-0.0065	-2.5 to 2.5	Pass
					3.85	-2.832	-0.0040	-2.5 to 2.5	Pass
					4.43	2.804	0.0040	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass

				0	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				10	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				40	3.85	3.362	0.0048	-2.5 to 2.5	Pass
				50	3.85	3.319	0.0047	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-3.648	-0.0051	-2.5 to 2.5	Pass
					3.85	2.875	0.0040	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.033	0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.748	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0038	-2.5 to 2.5	Pass
				30	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-2.117	-0.0030	-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	3.27	0.229	0.0003	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
					4.43	1.259	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.419	0.0049	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0033	-2.5 to 2.5	Pass
				0	3.85	2.789	0.0040	-2.5 to 2.5	Pass
				10	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.046	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	3.304	0.0047	-2.5 to 2.5	Pass
					3.85	3.676	0.0052	-2.5 to 2.5	Pass
					4.43	1.760	0.0025	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.719	0.0053	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0019	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				30	3.85	5.264	0.0074	-2.5 to 2.5	Pass
				40	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-2.847	-0.0040	-2.5 to 2.5	Pass
					3.85	2.546	0.0036	-2.5 to 2.5	Pass
					4.43	3.262	0.0046	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				0	3.85	0.916	0.0013	-2.5 to 2.5	Pass
				10	3.85	-1.860	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.85	0.558	0.0008	-2.5 to 2.5	Pass
					3.27	-3.104	-0.0044	-2.5 to 2.5	Pass
					4.43	-1.860	-0.0027	-2.5 to 2.5	Pass

				-30	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	4.034	0.0058	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				30	3.85	1.044	0.0015	-2.5 to 2.5	Pass
				40	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0043	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	1.116	0.0016	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
					4.43	2.174	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.386	0.0005	-2.5 to 2.5	Pass
					3.85	2.203	0.0031	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	2.346	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.745	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.133	-0.0044	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0029	-2.5 to 2.5	Pass
				50	3.85	0.372	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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	0.229	0.0003	-2.5 to 2.5	Pass
					3.85	1.459	0.0021	-2.5 to 2.5	Pass
					4.43	-2.131	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.061	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				50	3.85	3.147	0.0045	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	2.275	0.0032	-2.5 to 2.5	Pass
					3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.432	0.0034	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0036	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				30	3.85	5.980	0.0085	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.688	0.0024	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-0.858	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.402	-0.0020	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	3.476	0.0049	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				0	3.85	2.217	0.0031	-2.5 to 2.5	Pass
				10	3.85	2.675	0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				50	3.85	2.832	0.0040	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	2.346	0.0033	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0040	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.016	0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.516	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.119	0.0044	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.572	0.0008	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
					4.43	0.973	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	1.931	0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				10	3.85	1.416	0.0020	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0012	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0047	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-4.292	-0.0060	-2.5 to 2.5	Pass
					3.85	-2.646	-0.0037	-2.5 to 2.5	Pass
					4.43	1.001	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.003	0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				30	3.85	4.063	0.0057	-2.5 to 2.5	Pass
				40	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.372	0.0005	-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	3.27	-1.574	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.389	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-3.262	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass

				30	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	0.200	0.0003	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	1.073	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				0	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				40	3.85	2.418	0.0034	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0010	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.429	0.0006	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	0.787	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.845	0.0026	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-1.502	-0.0021	-2.5 to 2.5	Pass
					3.85	0.572	0.0008	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.990	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.831	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0021	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.772	0.0011	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.615	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
					4.43	0.429	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.572	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.445	-0.0020	-2.5 to 2.5	Pass
					3.85	3.104	0.0044	-2.5 to 2.5	Pass
					4.43	1.330	0.0019	-2.5 to 2.5	Pass
				-30	3.85	2.575	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.160	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.373	-0.0019	-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 / NTV						
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

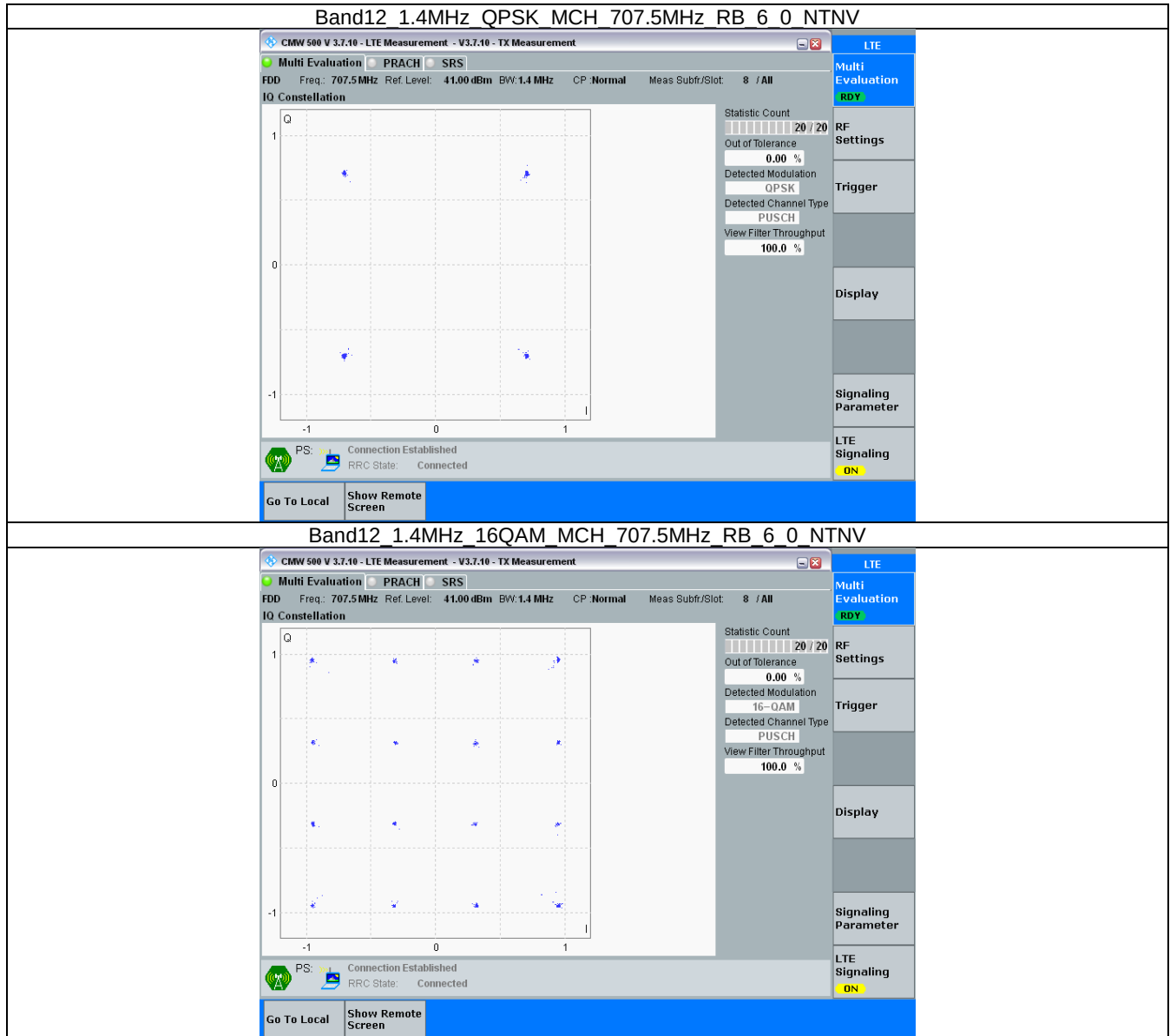
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

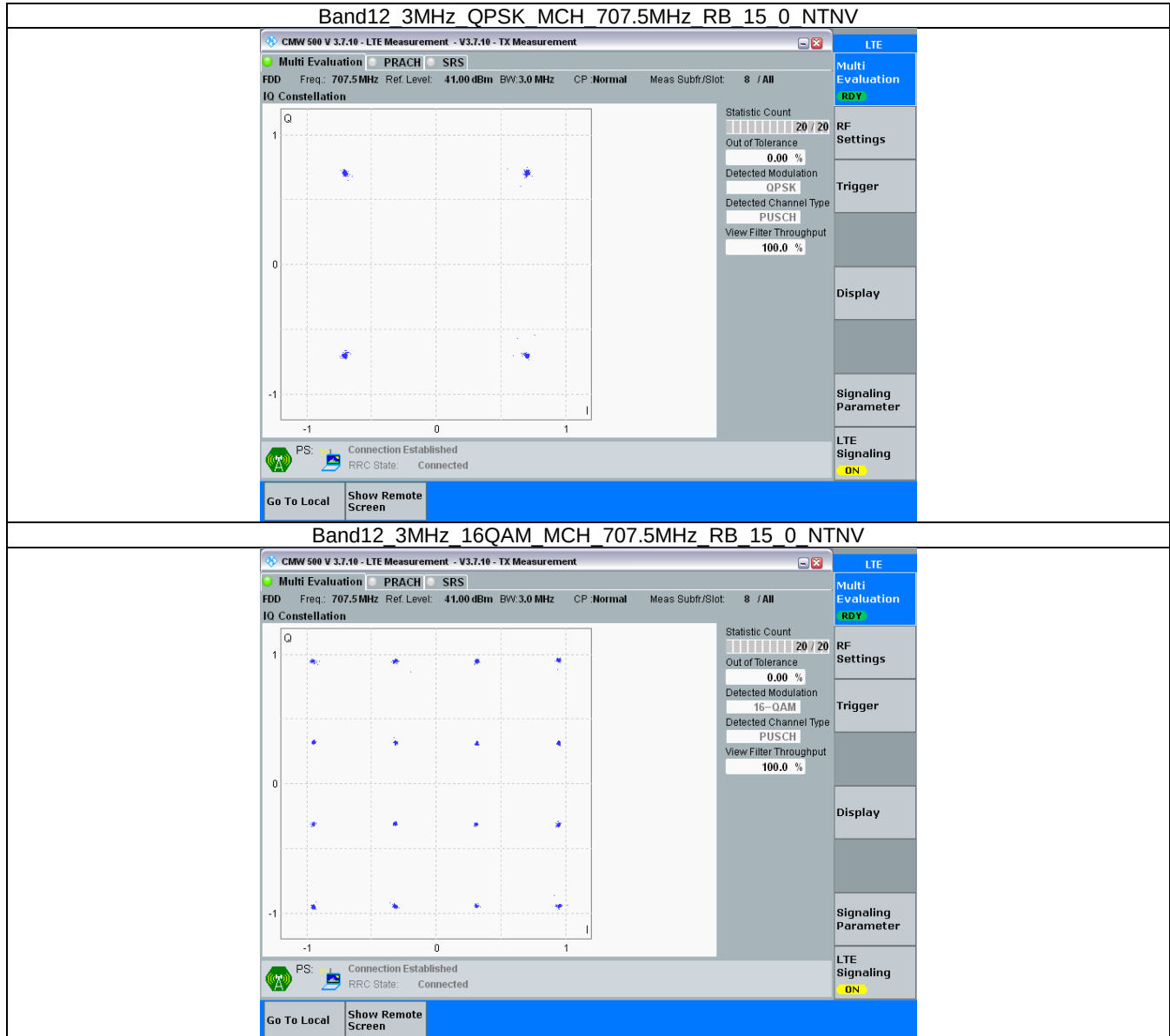
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

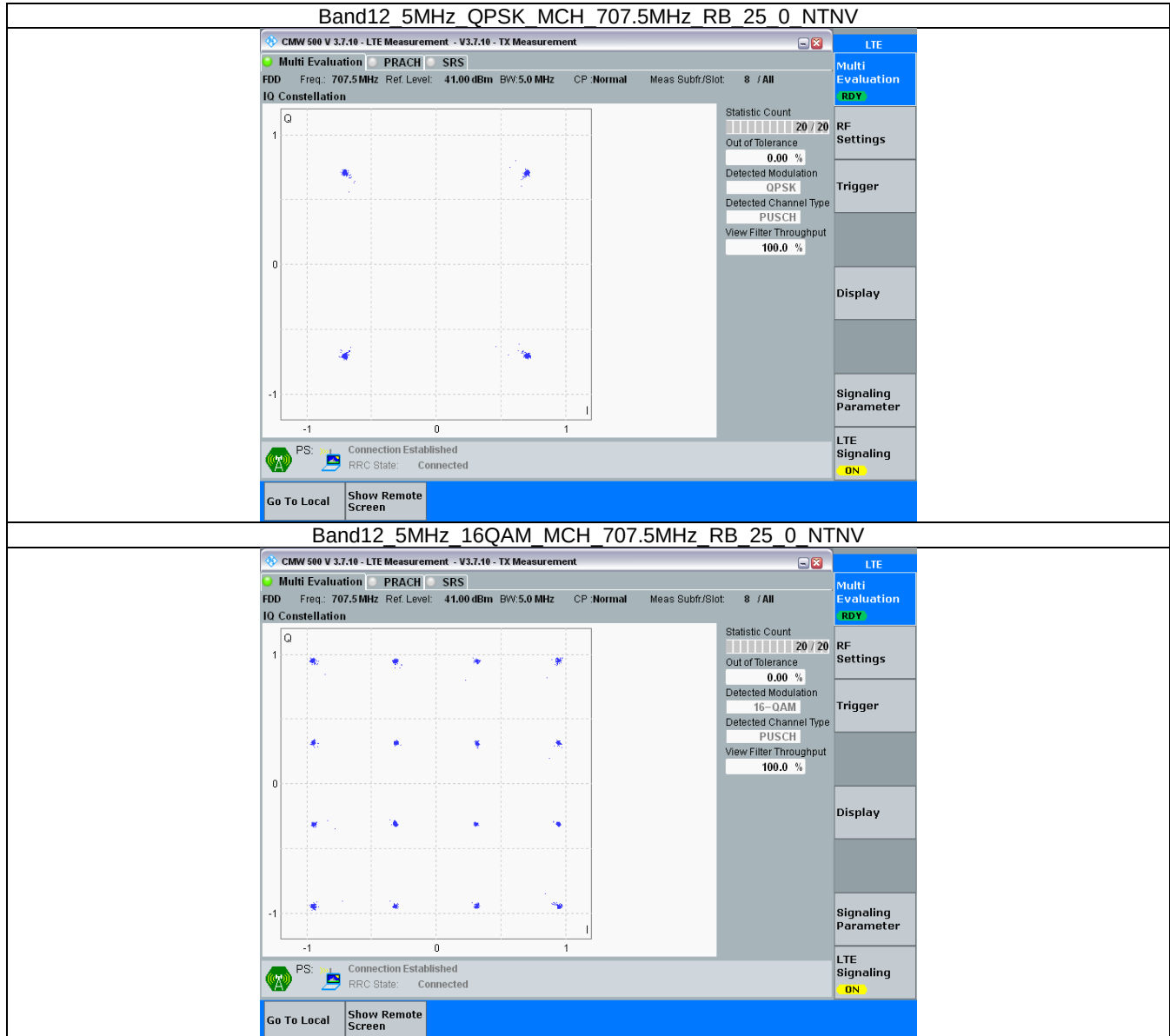
3.2.1 B12_1.4MHz



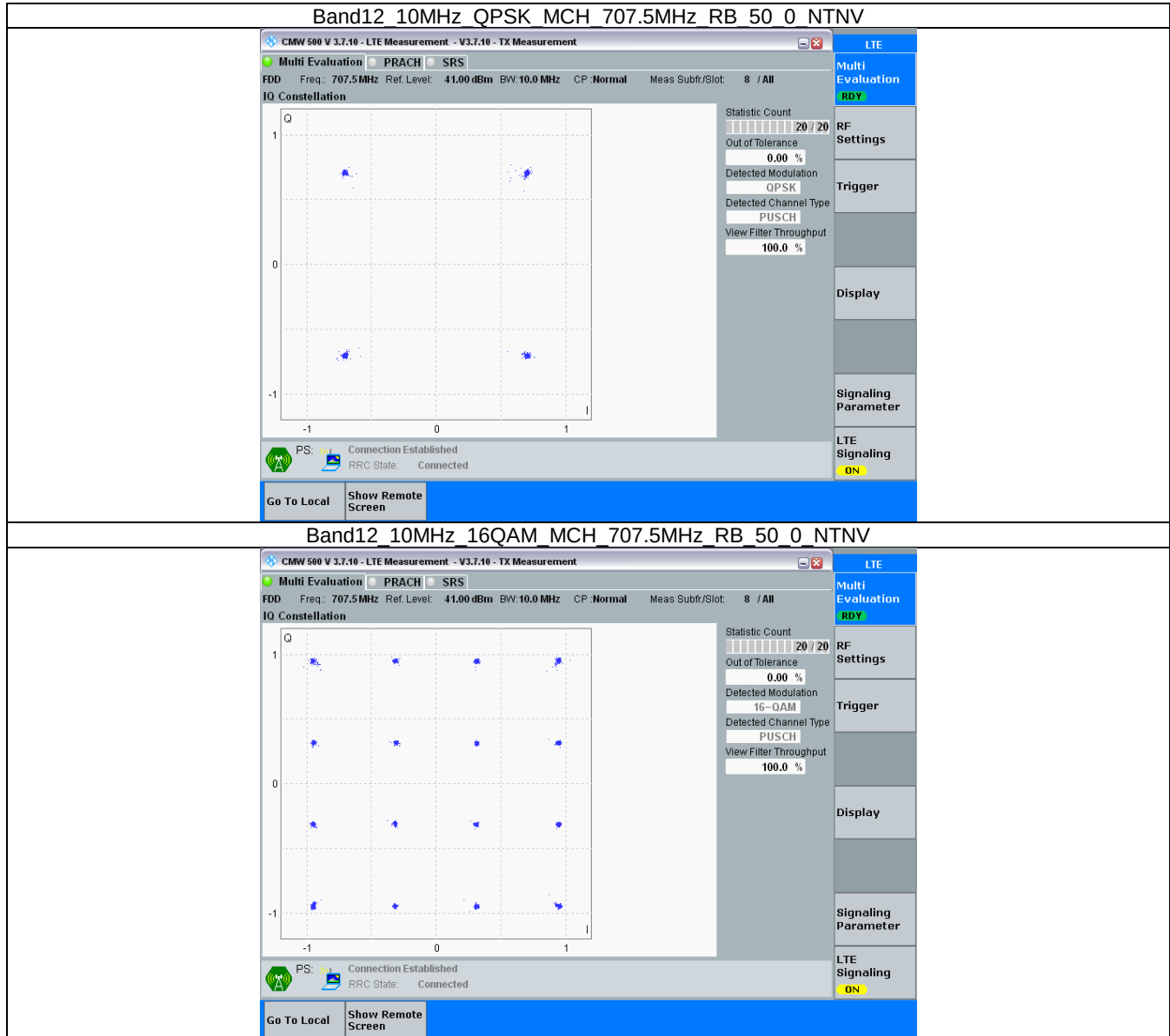
3.2.2 B12_3MHz



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	1.091	/	Pass
		707.5	6	0	1.087	/	Pass
		715.3	6	0	1.086	/	Pass
	16QAM	699.7	6	0	1.085	/	Pass
		707.5	6	0	1.083	/	Pass
		715.3	6	0	1.090	/	Pass
3	QPSK	700.5	15	0	2.682	/	Pass
		707.5	15	0	2.685	/	Pass
		714.5	15	0	2.680	/	Pass
	16QAM	700.5	15	0	2.684	/	Pass
		707.5	15	0	2.682	/	Pass
		714.5	15	0	2.677	/	Pass
5	QPSK	701.5	25	0	4.517	/	Pass
		707.5	25	0	4.509	/	Pass
		713.5	25	0	4.527	/	Pass
	16QAM	701.5	25	0	4.515	/	Pass
		707.5	25	0	4.527	/	Pass
		713.5	25	0	4.511	/	Pass
10	QPSK	704	50	0	8.951	/	Pass
		707.5	50	0	8.956	/	Pass
		711	50	0	8.967	/	Pass
	16QAM	704	50	0	8.958	/	Pass
		707.5	50	0	8.941	/	Pass
		711	50	0	8.947	/	Pass

4.1.2 Band12_XDB

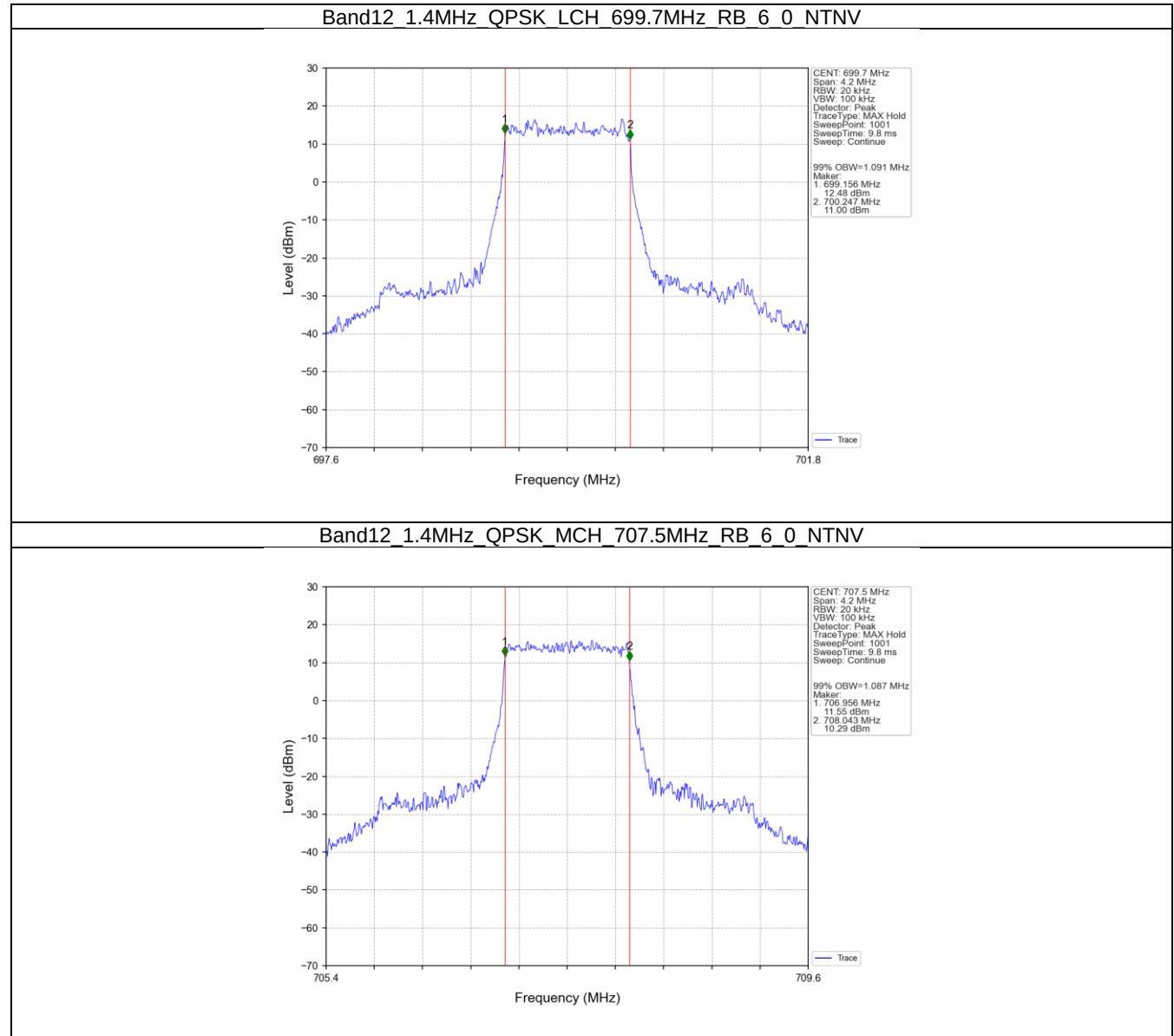
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.253	/	Pass
		707.5	6	0	1.260	/	Pass
		715.3	6	0	1.274	/	Pass
	16QAM	699.7	6	0	1.265	/	Pass
		707.5	6	0	1.246	/	Pass
		715.3	6	0	1.295	/	Pass
3	QPSK	700.5	15	0	2.897	/	Pass
		707.5	15	0	2.882	/	Pass
		714.5	15	0	2.872	/	Pass
	16QAM	700.5	15	0	2.878	/	Pass
		707.5	15	0	2.885	/	Pass
		714.5	15	0	2.892	/	Pass
5	QPSK	701.5	25	0	4.960	/	Pass
		707.5	25	0	4.948	/	Pass
		713.5	25	0	4.993	/	Pass
	16QAM	701.5	25	0	5.005	/	Pass
		707.5	25	0	4.956	/	Pass
		713.5	25	0	4.965	/	Pass
10	QPSK	704	50	0	9.568	/	Pass



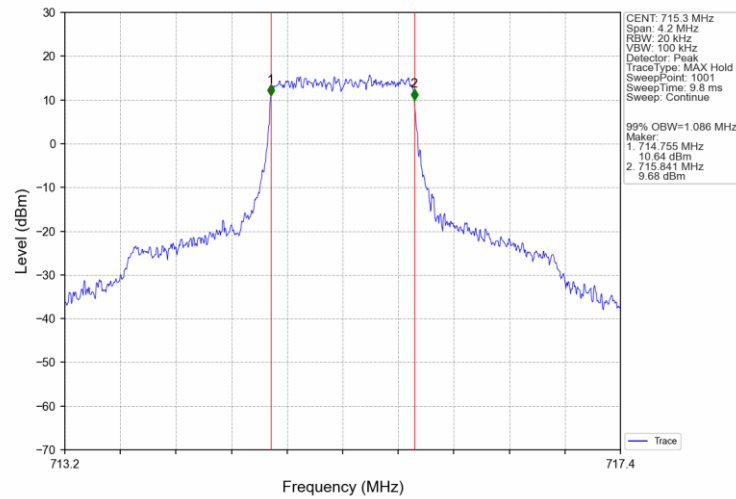
		707.5	50	0	9.529	/	Pass
		711	50	0	9.628	/	Pass
	16QAM	704	50	0	9.641	/	Pass
		707.5	50	0	9.639	/	Pass
		711	50	0	9.653	/	Pass

4.2 Test Graph

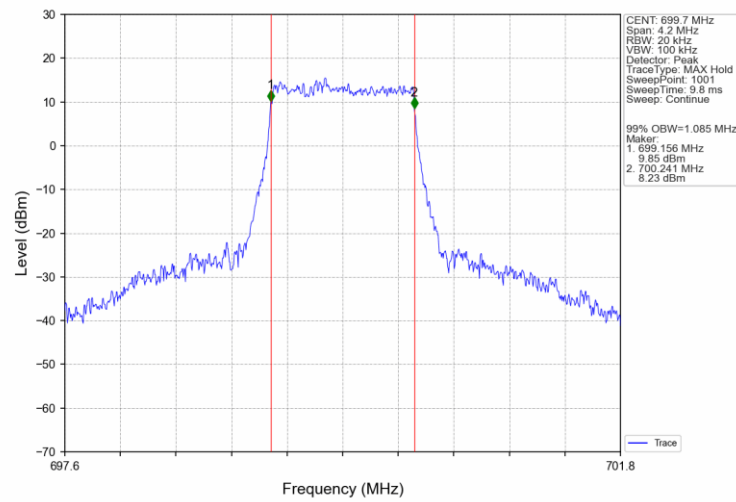
4.2.1 Band12_OBW



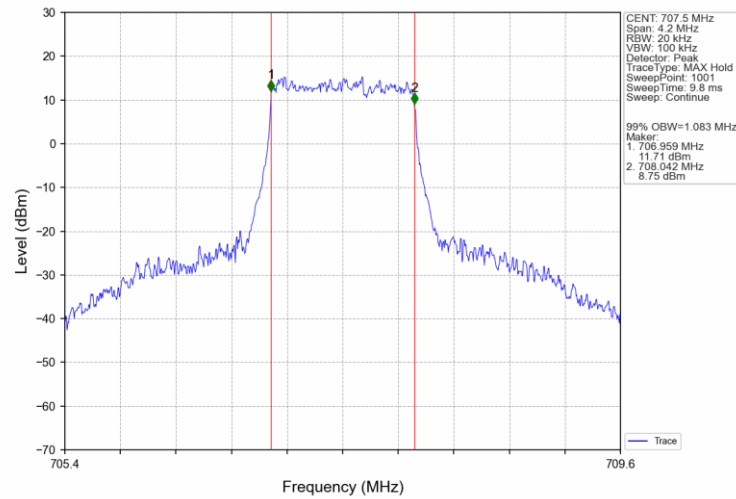
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



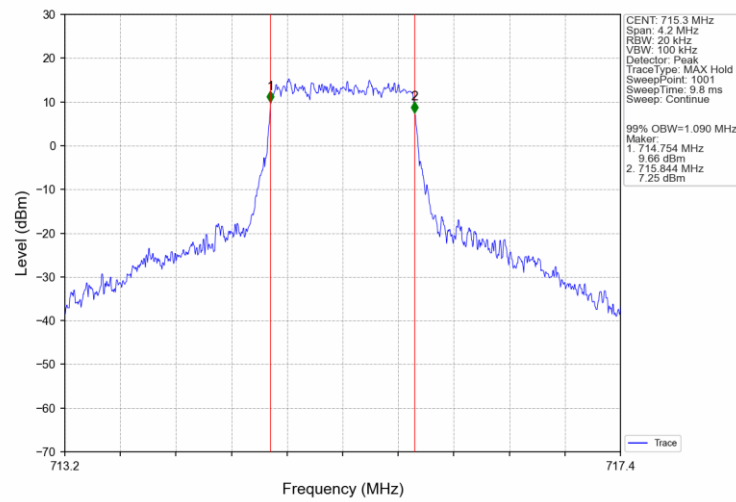
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



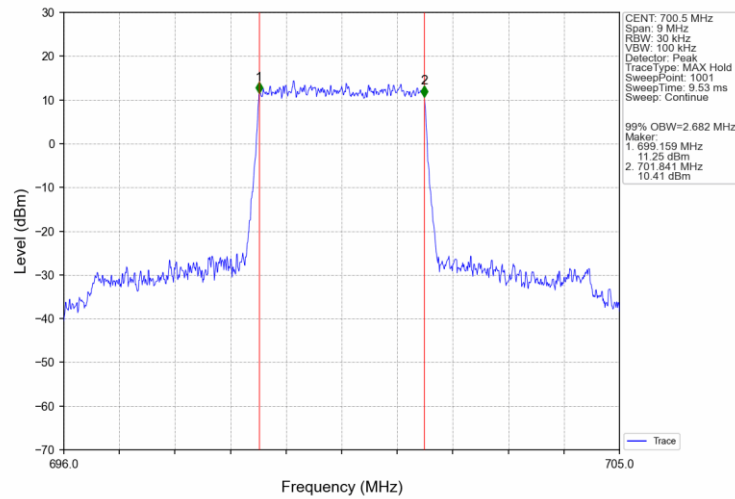
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



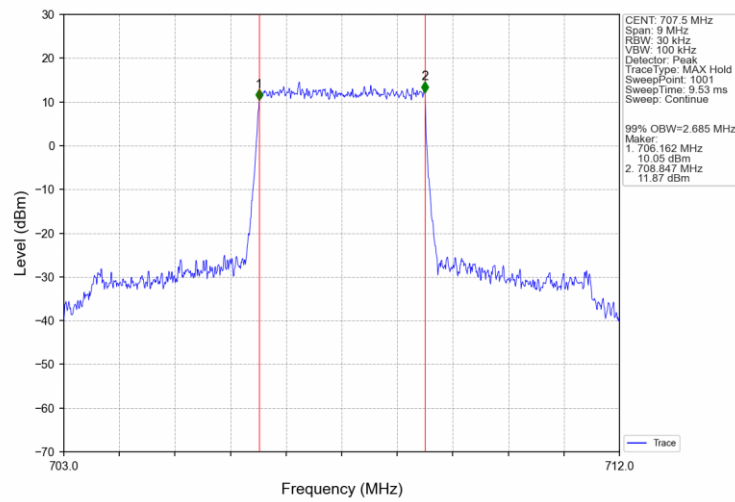
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



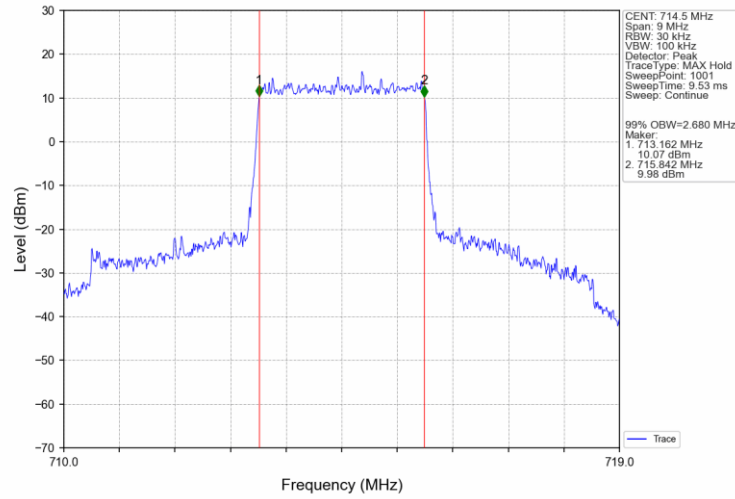
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



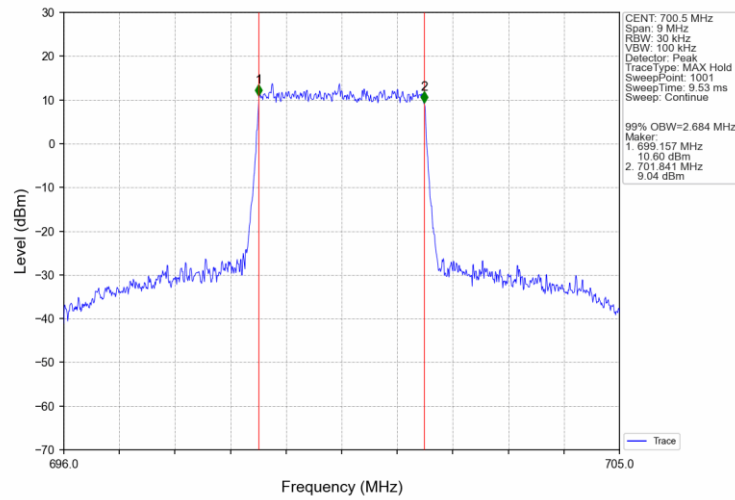
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



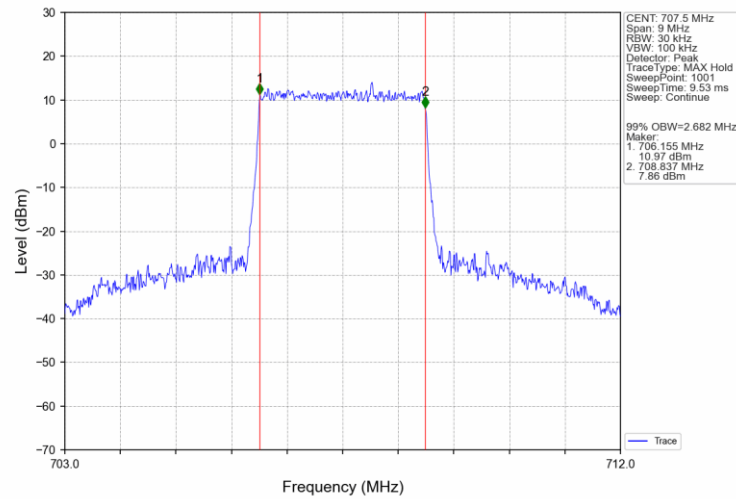
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



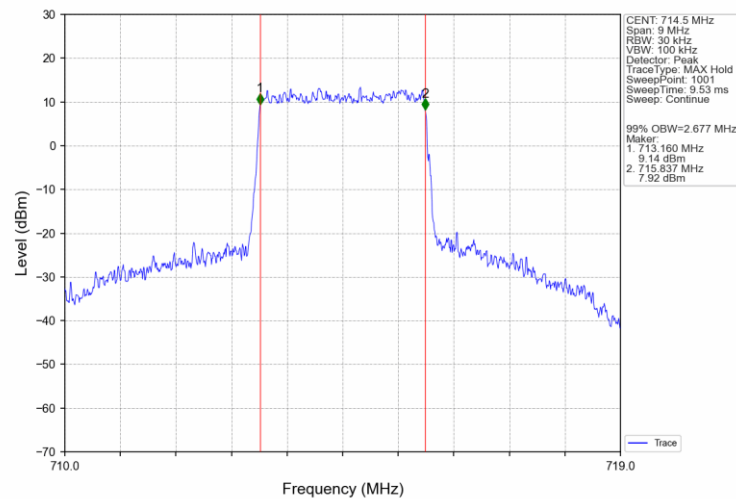
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



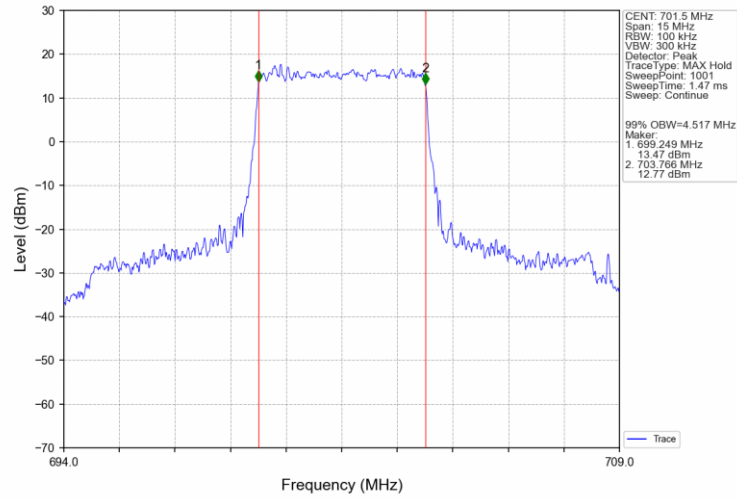
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



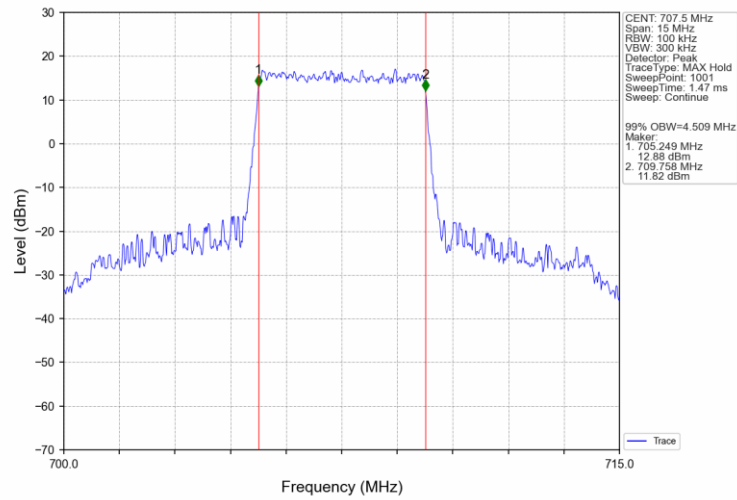
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



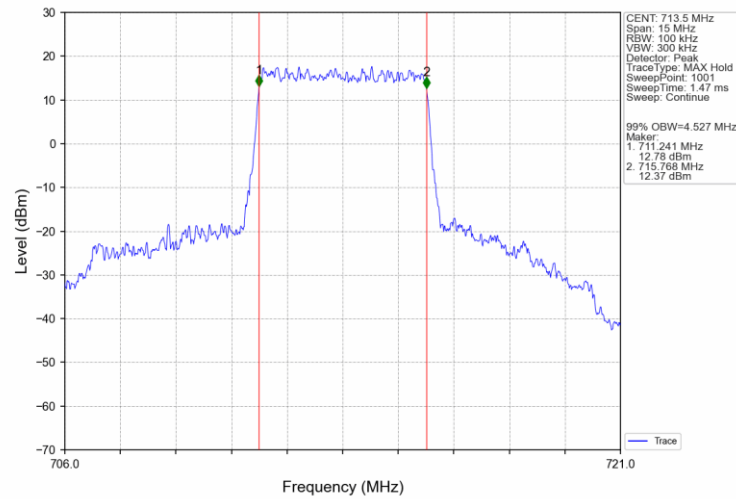
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



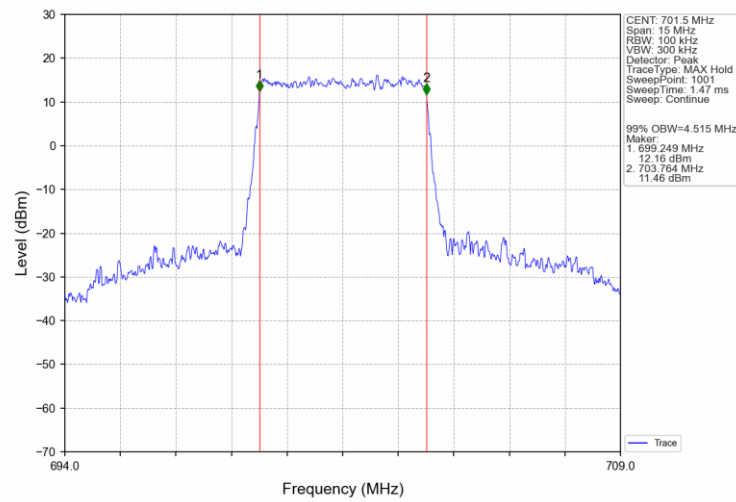
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



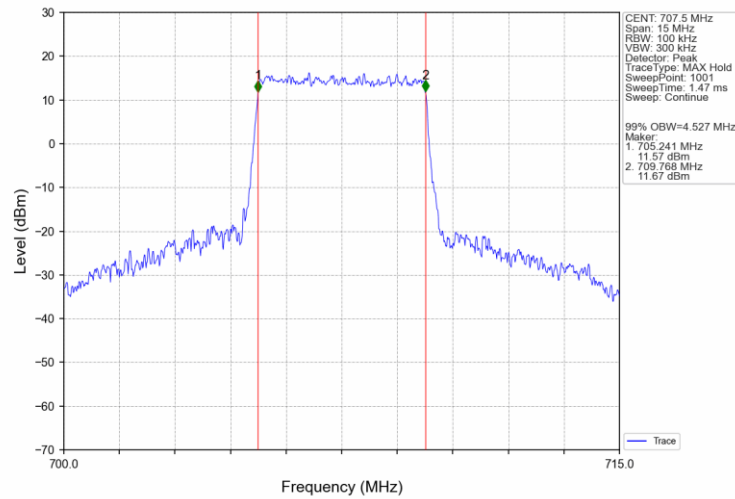
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



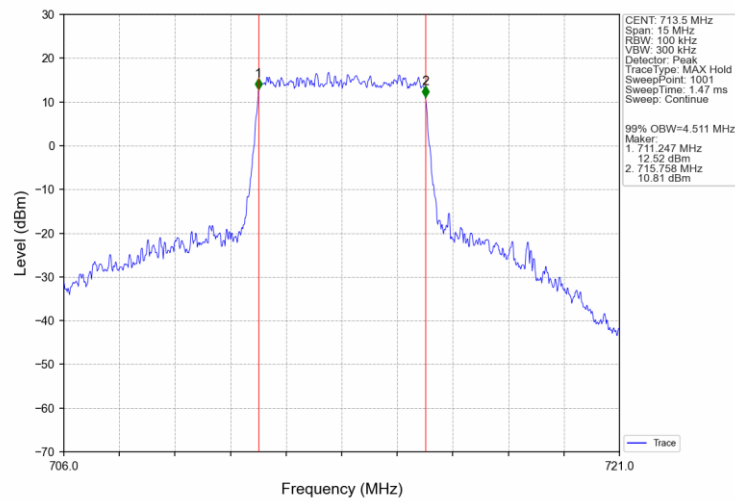
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



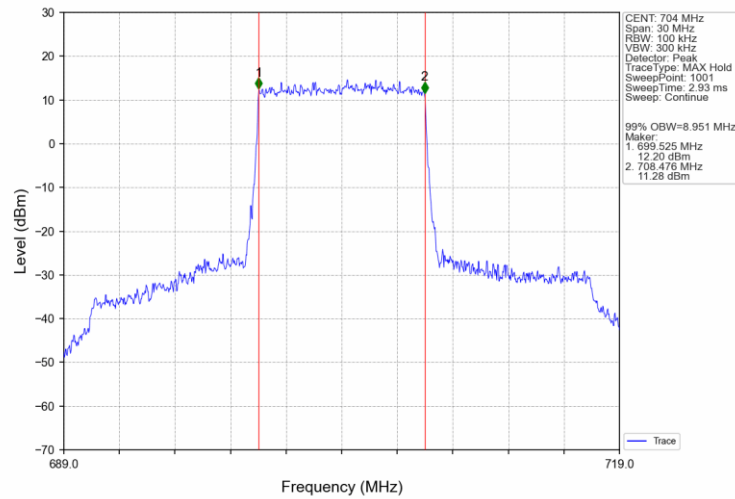
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



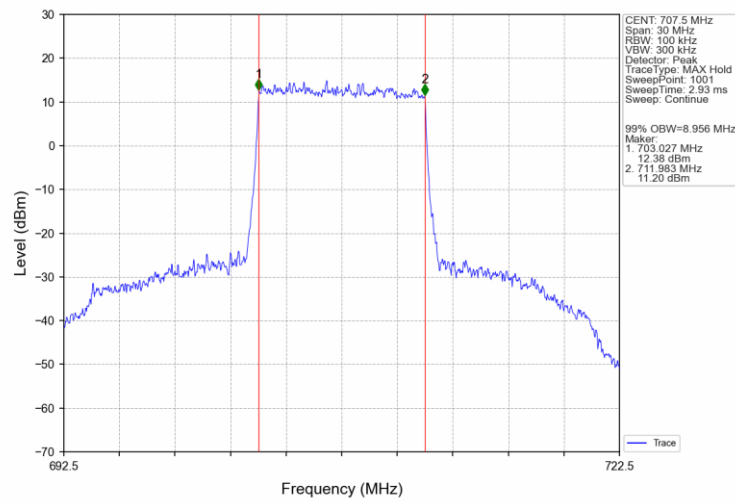
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



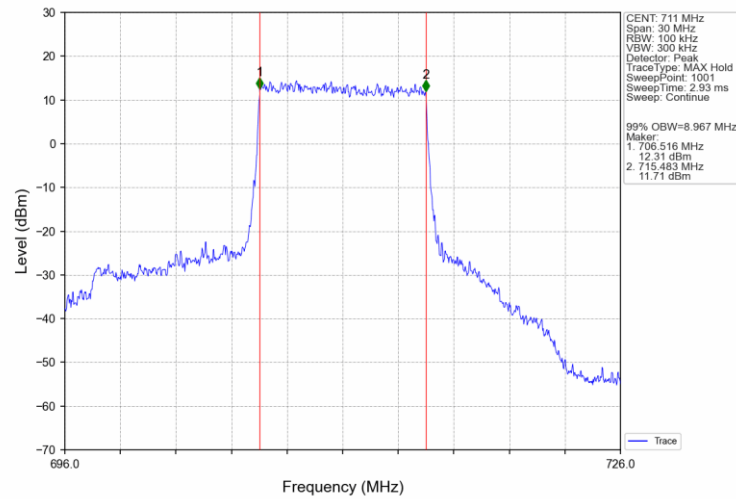
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



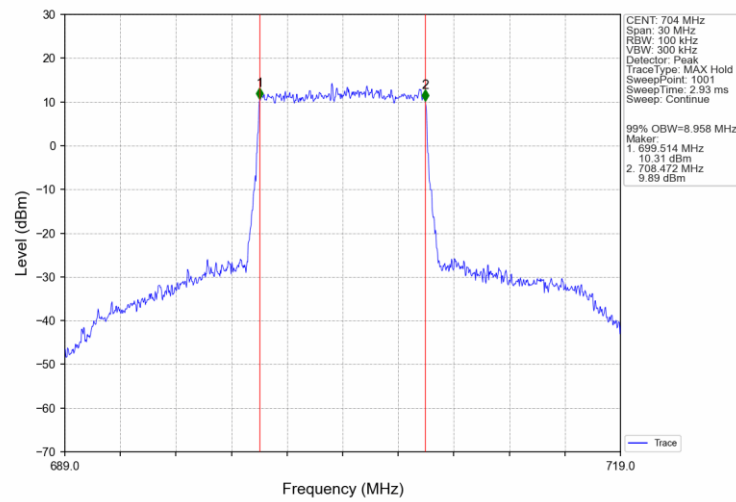
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



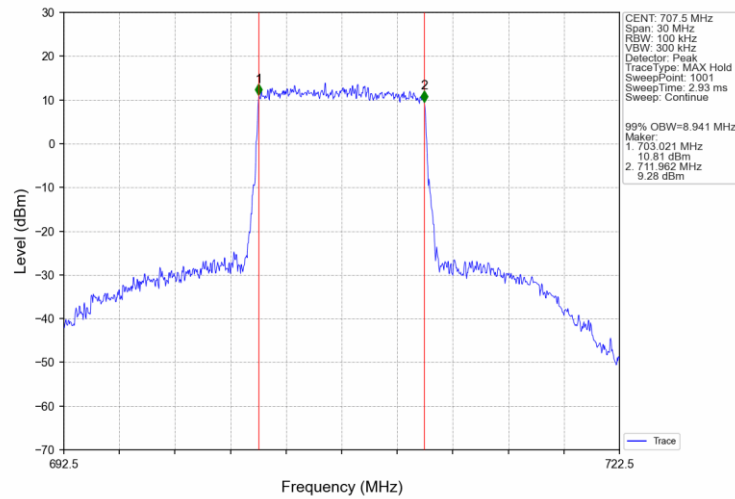
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



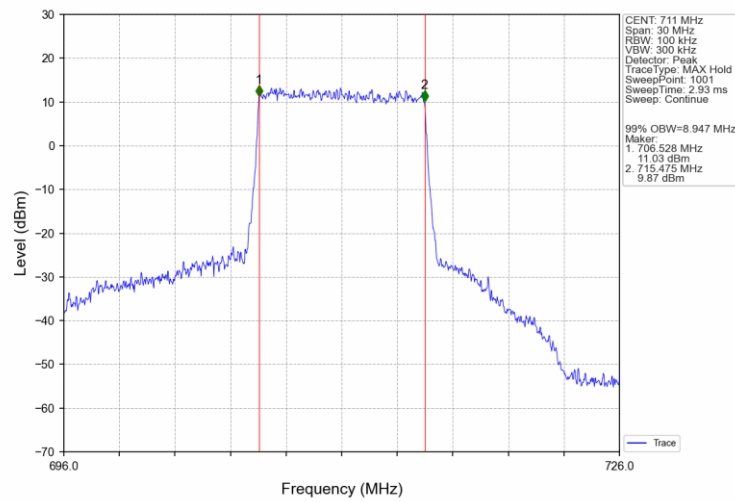
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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

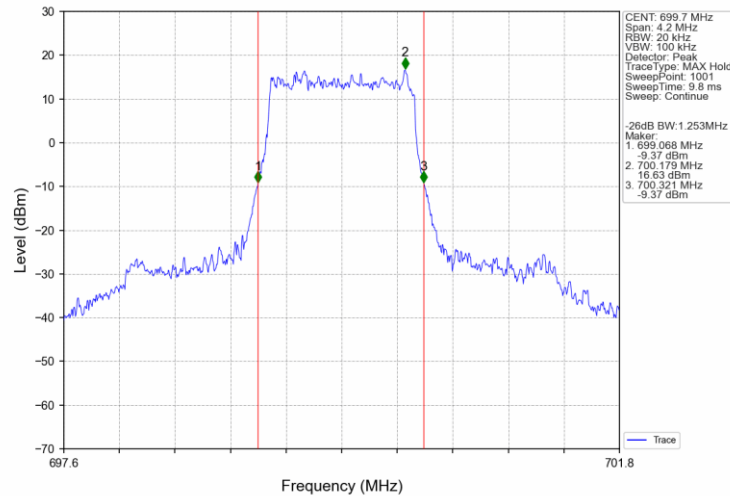


Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN

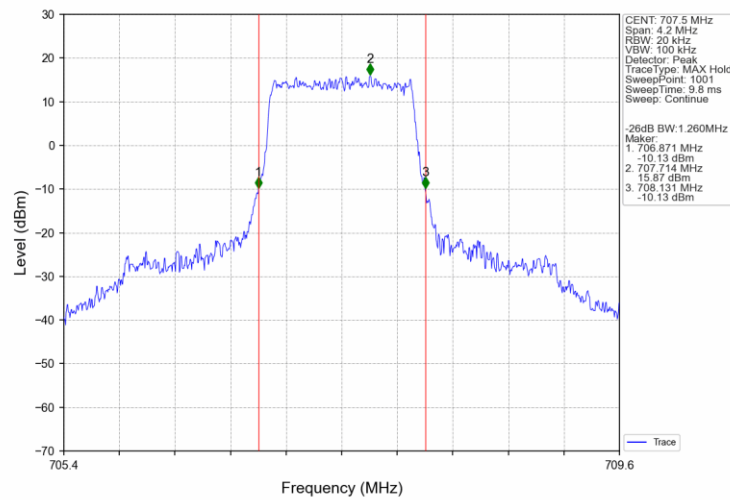


4.2.2 Band12_XDB

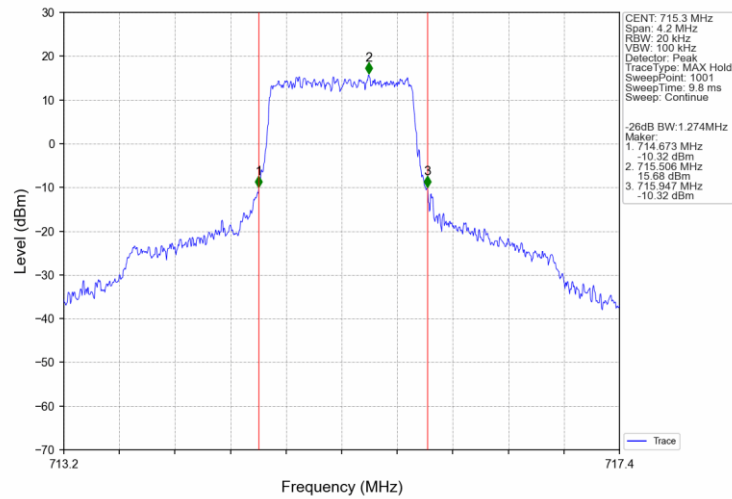
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



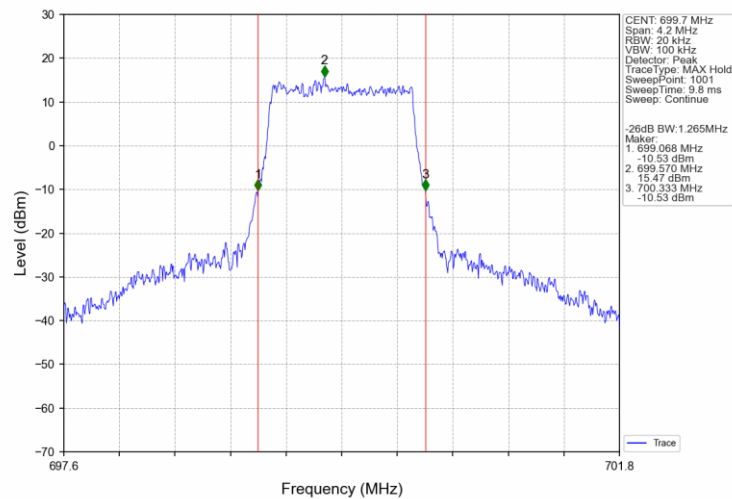
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTV



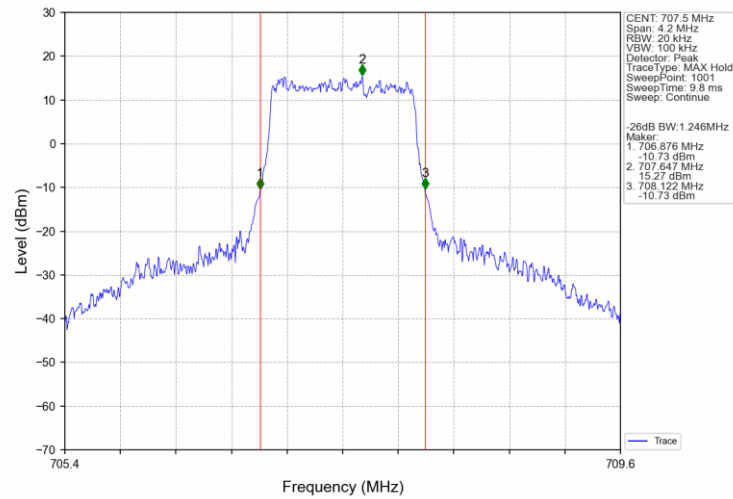
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



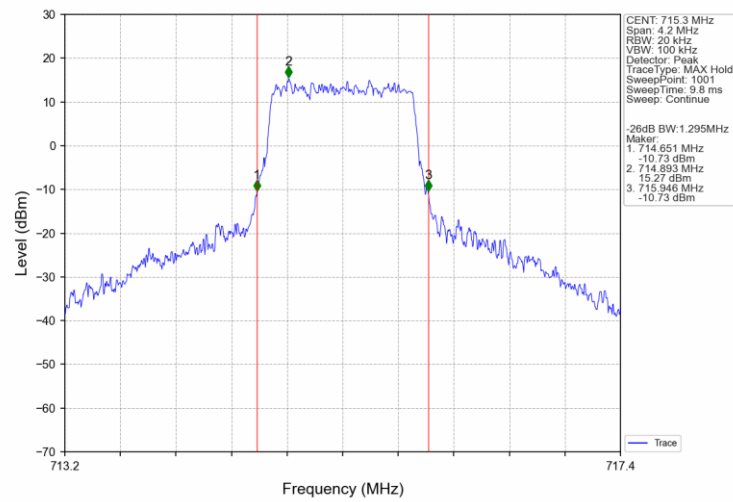
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



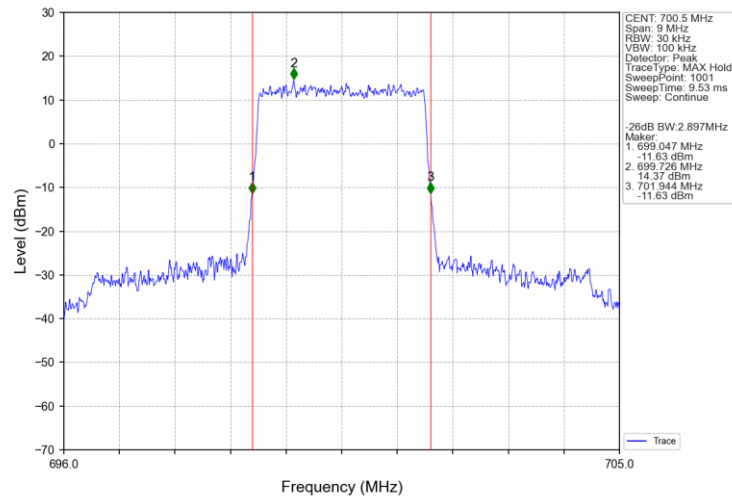
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



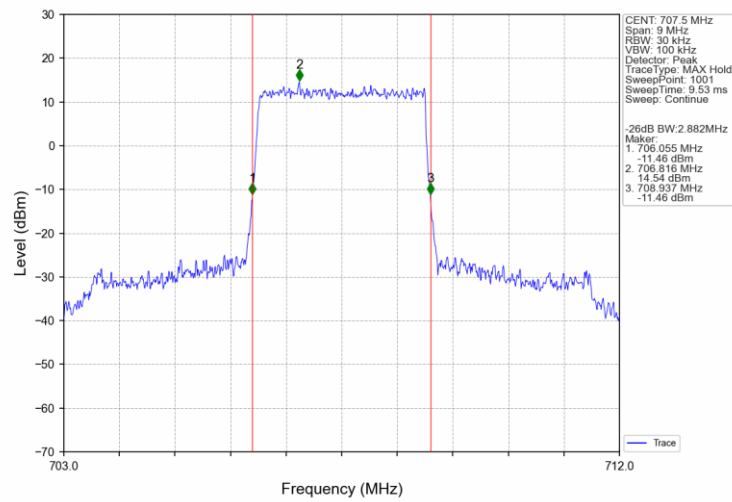
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



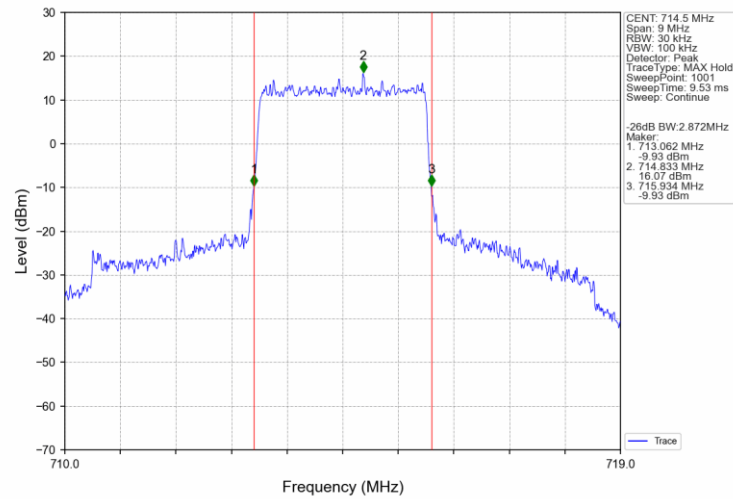
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



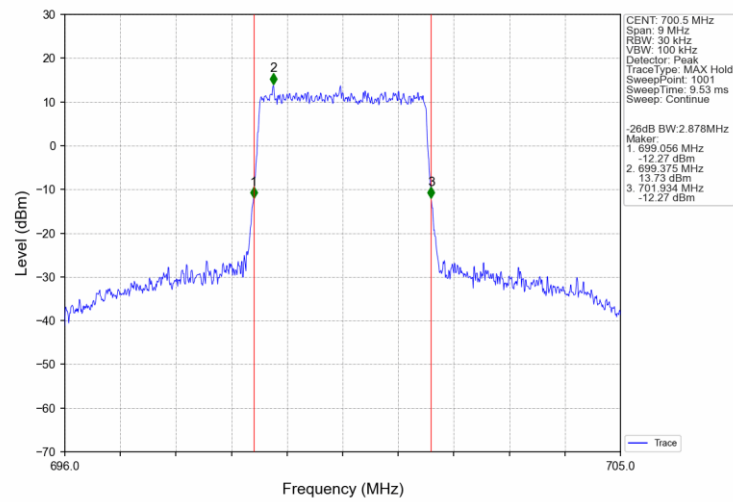
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



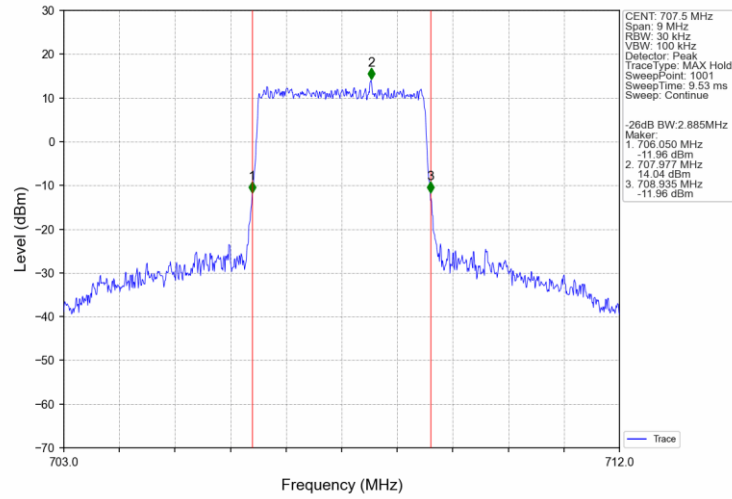
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



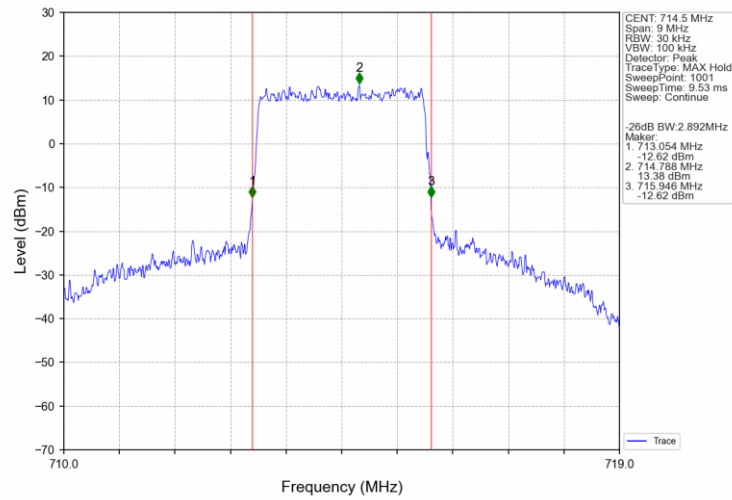
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



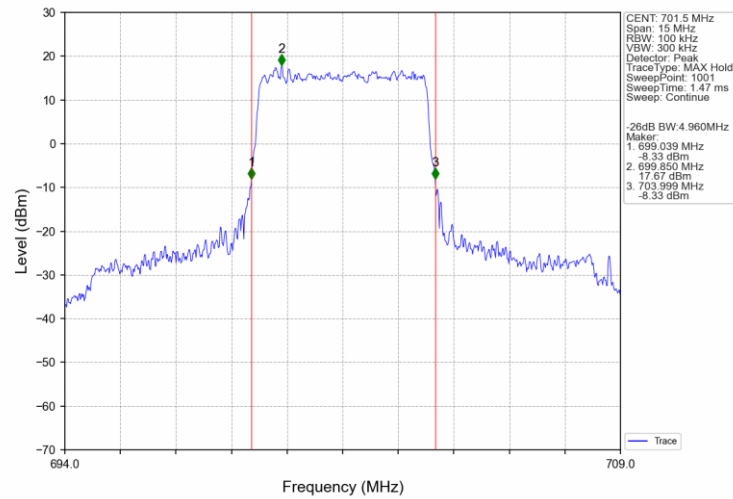
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



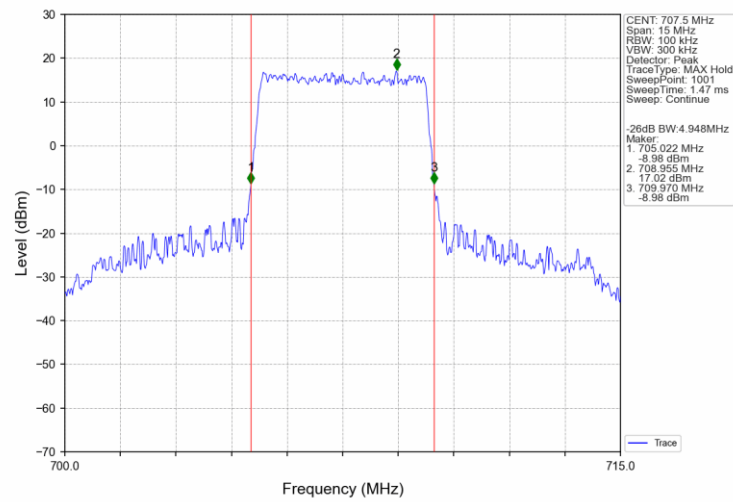
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



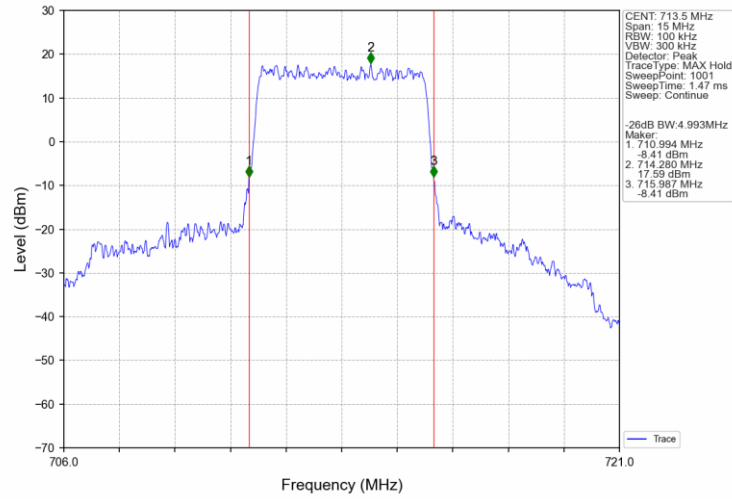
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



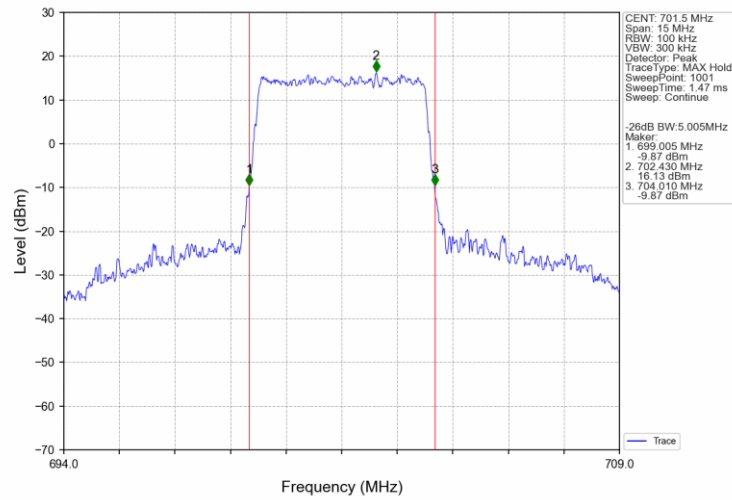
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



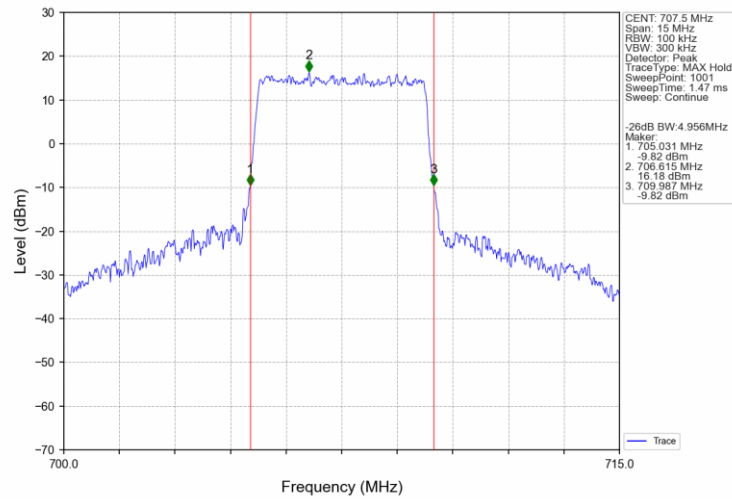
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTN



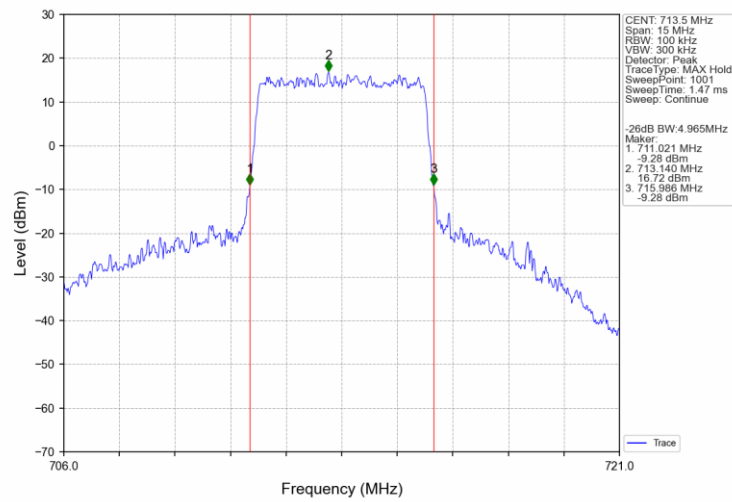
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTN



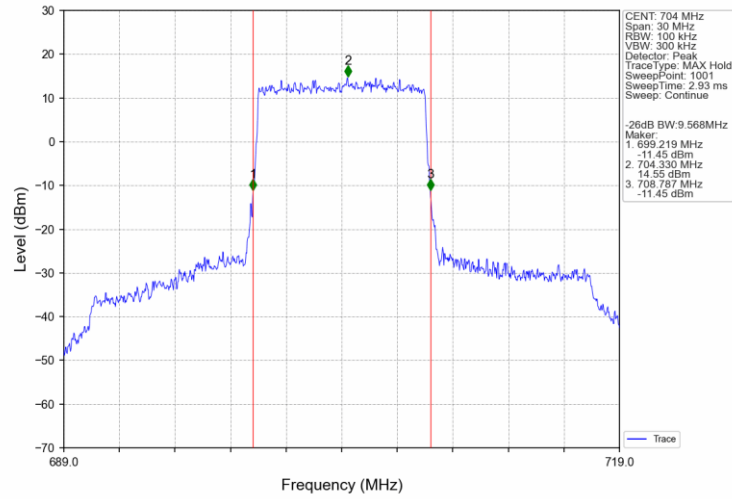
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



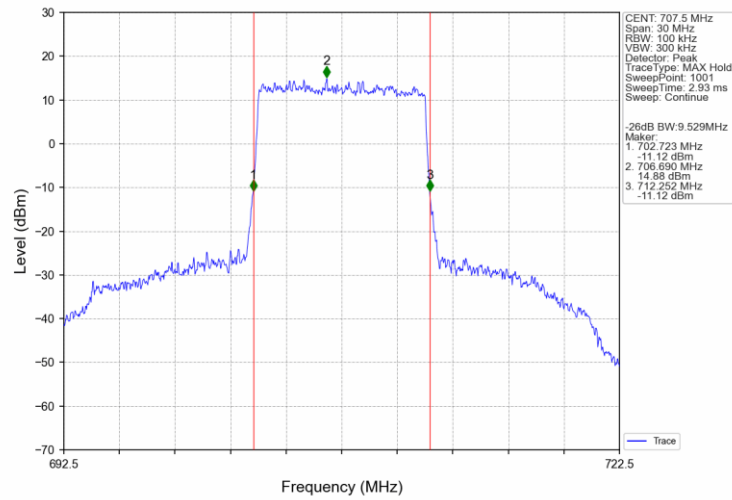
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



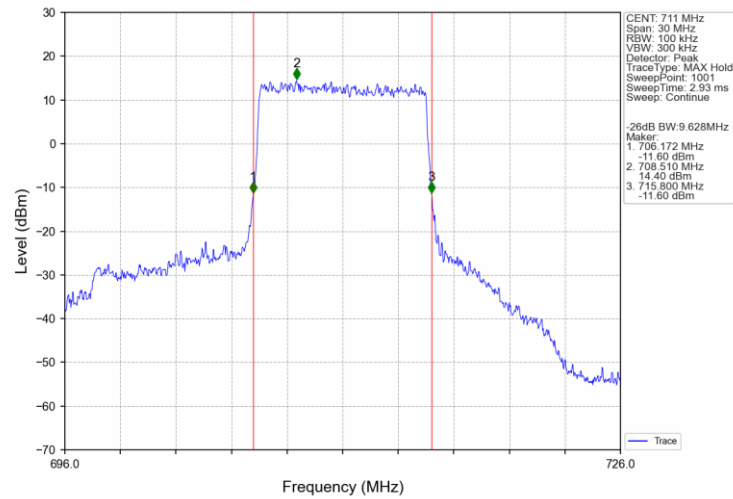
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



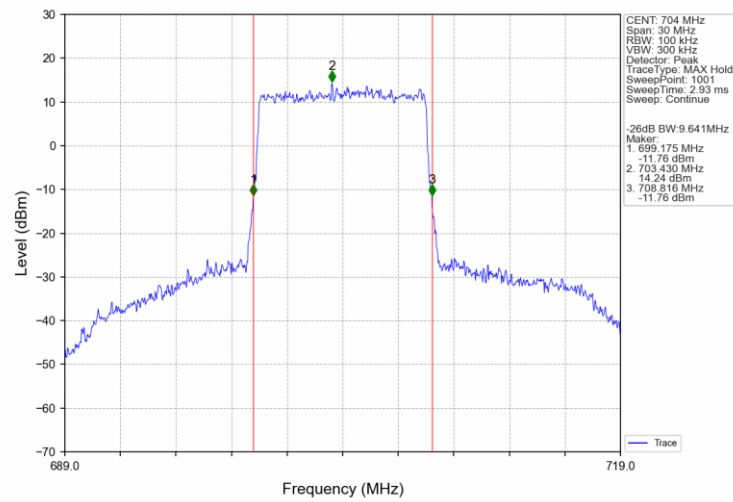
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



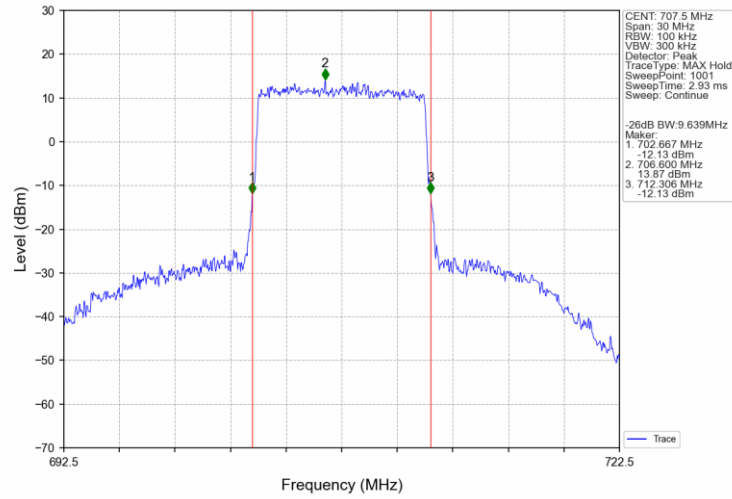
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



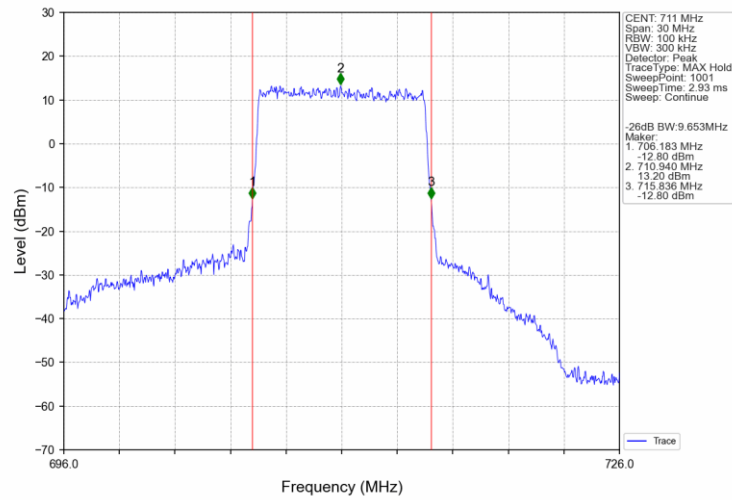
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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



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



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	5.17	<=13	Pass
	707.5	6	0	4.90	<=13	Pass
	715.3	6	0	4.28	<=13	Pass
16QAM	699.7	6	0	6.05	<=13	Pass
	707.5	6	0	5.75	<=13	Pass
	715.3	6	0	5.06	<=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	5.37	<=13	Pass
	707.5	15	0	5.06	<=13	Pass
	714.5	15	0	4.65	<=13	Pass
16QAM	700.5	15	0	6.20	<=13	Pass
	707.5	15	0	5.93	<=13	Pass
	714.5	15	0	5.47	<=13	Pass

5.1.3 B12_5MHz

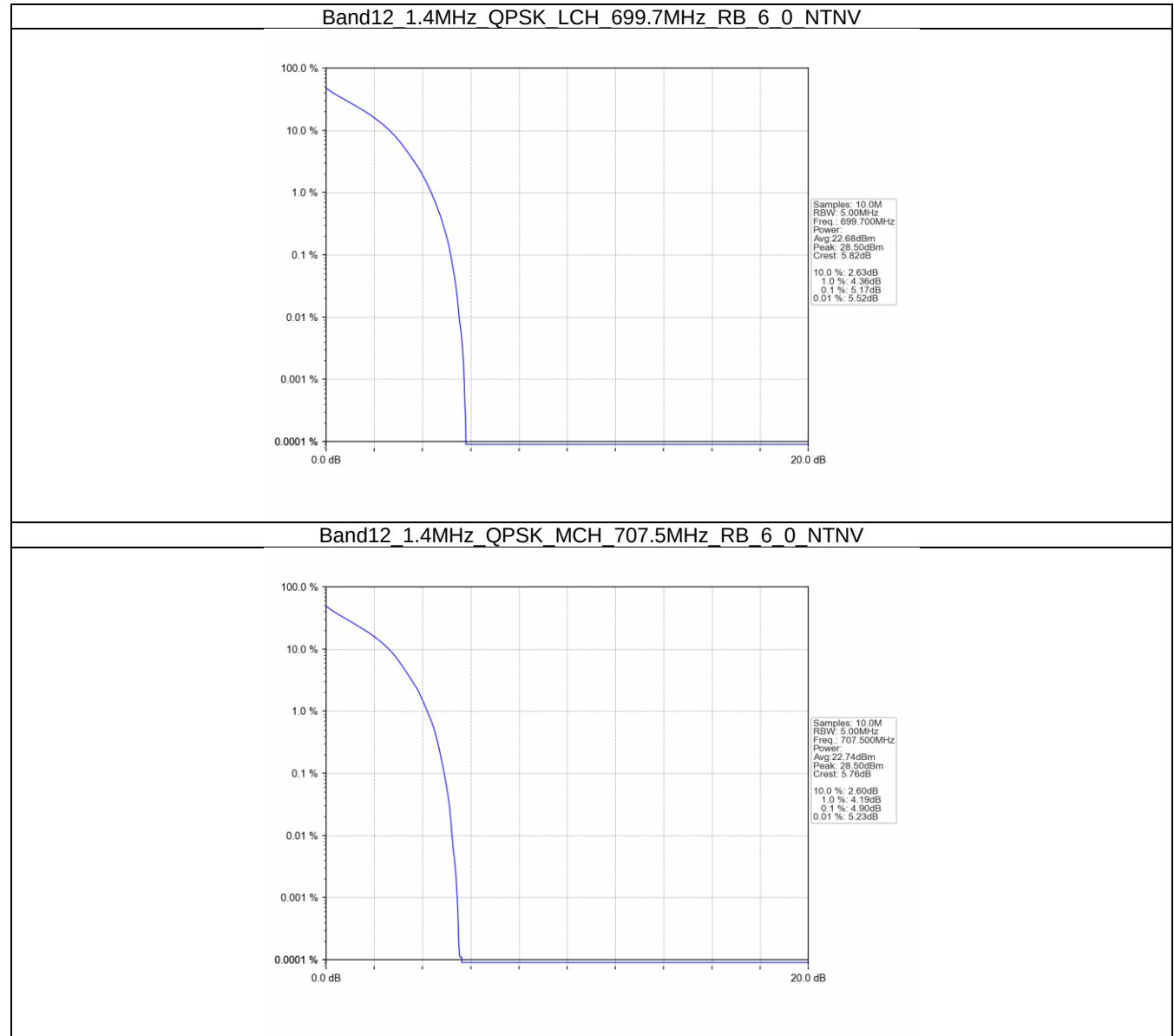
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.50	<=13	Pass
	707.5	25	0	5.42	<=13	Pass
	713.5	25	0	5.14	<=13	Pass
16QAM	701.5	25	0	6.23	<=13	Pass
	707.5	25	0	6.16	<=13	Pass
	713.5	25	0	5.85	<=13	Pass

5.1.4 B12_10MHz

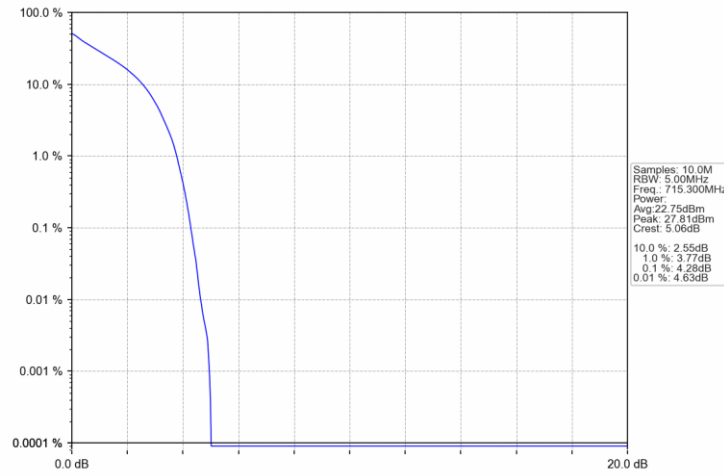
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.27	<=13	Pass
	707.5	50	0	5.24	<=13	Pass
	711	50	0	5.27	<=13	Pass
16QAM	704	50	0	6.08	<=13	Pass
	707.5	50	0	6.06	<=13	Pass
	711	50	0	6.05	<=13	Pass

5.2 Test Graph

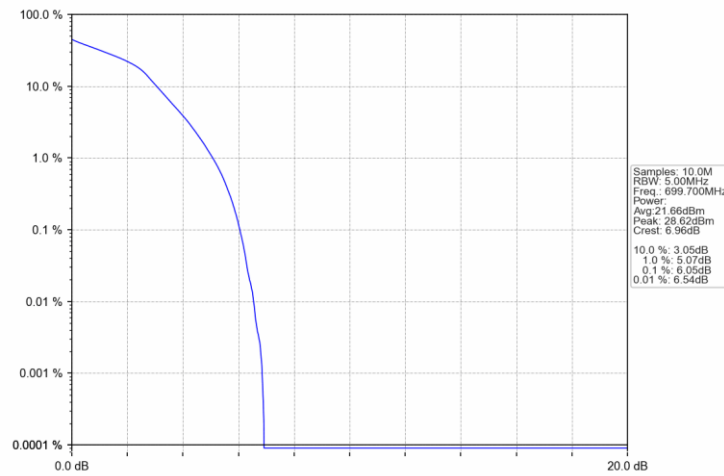
5.2.1 B12_1.4MHz



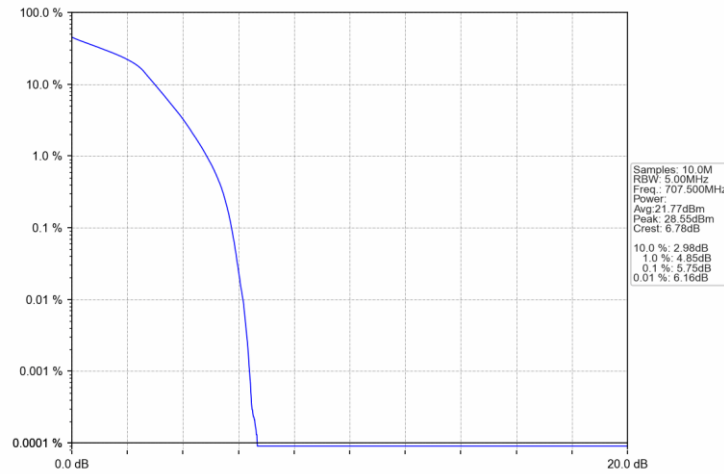
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



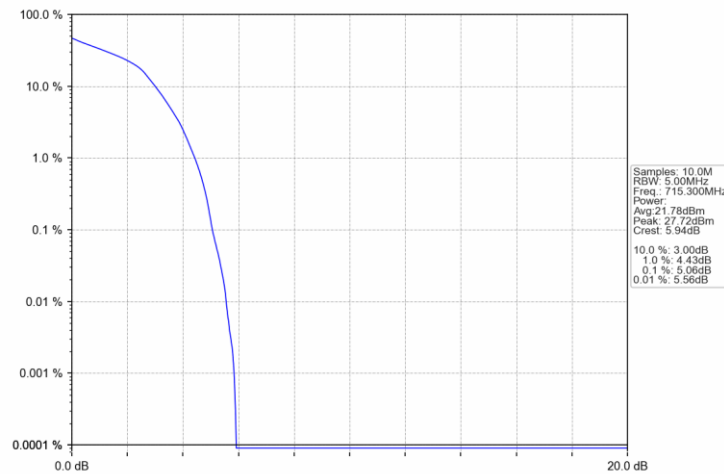
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



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

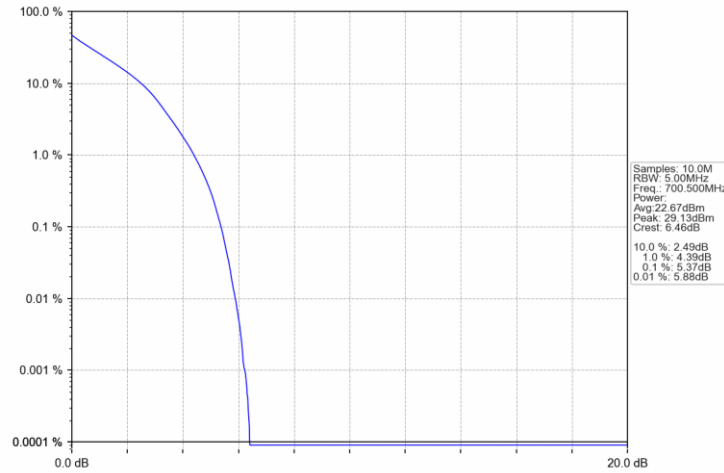


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

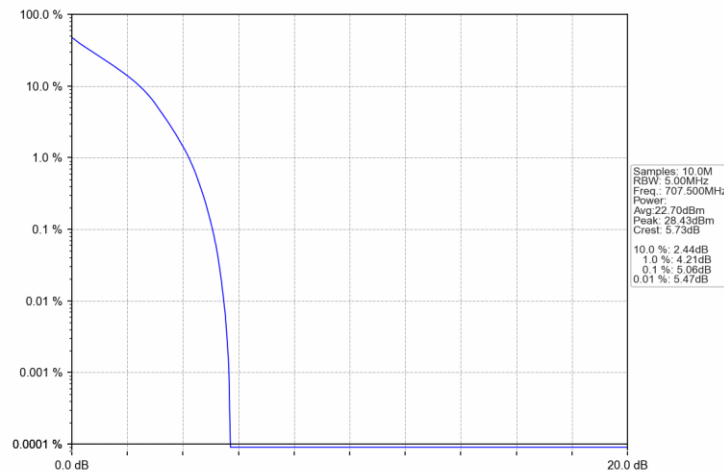


5.2.2 B12_3MHz

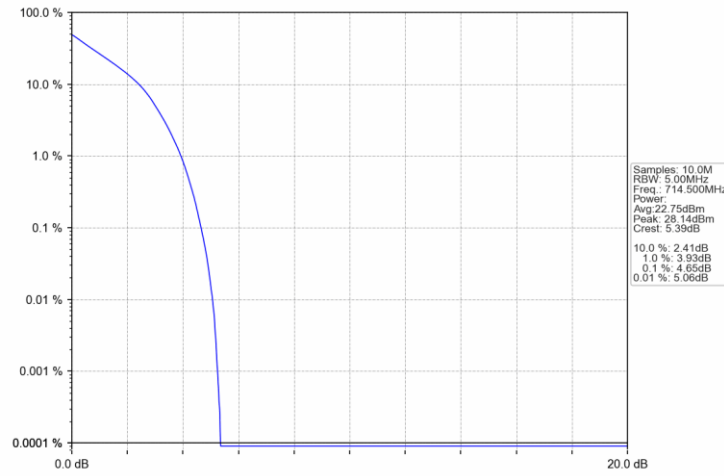
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



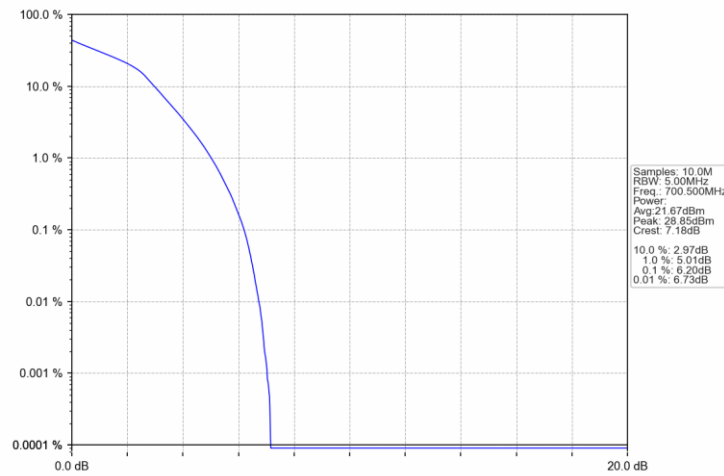
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



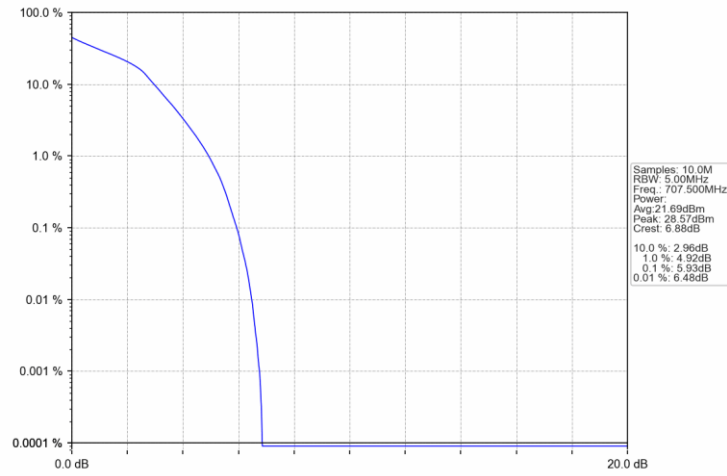
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



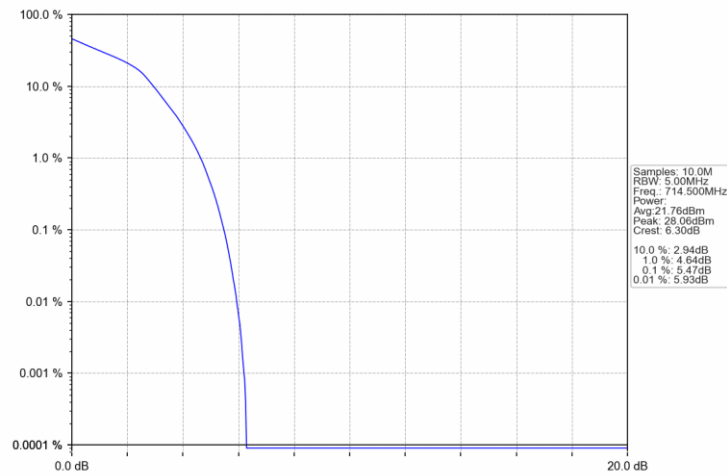
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



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

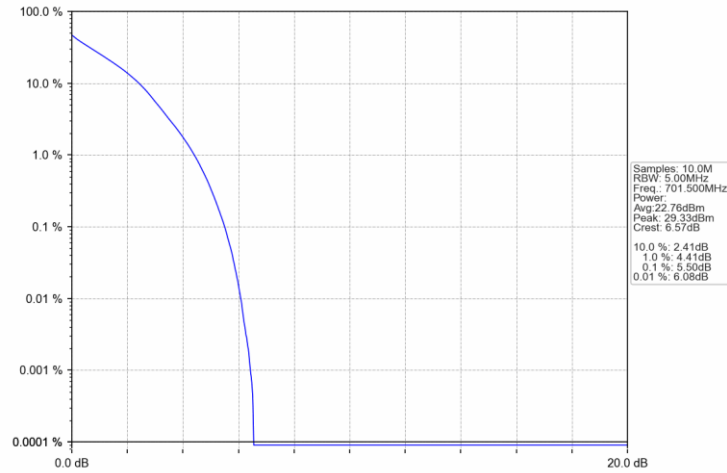


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV

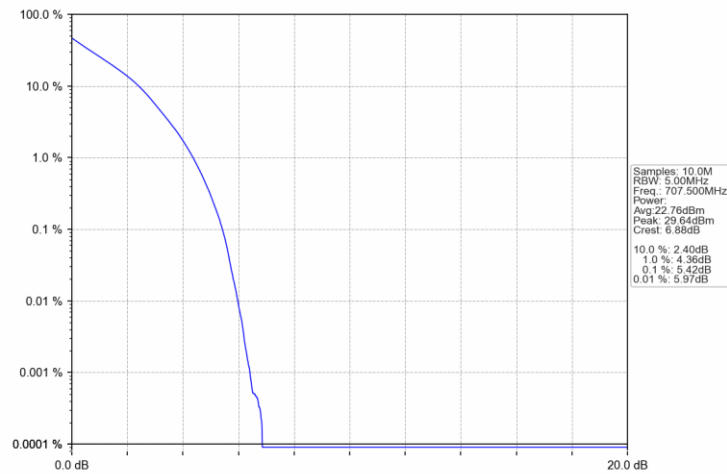


5.2.3 B12_5MHz

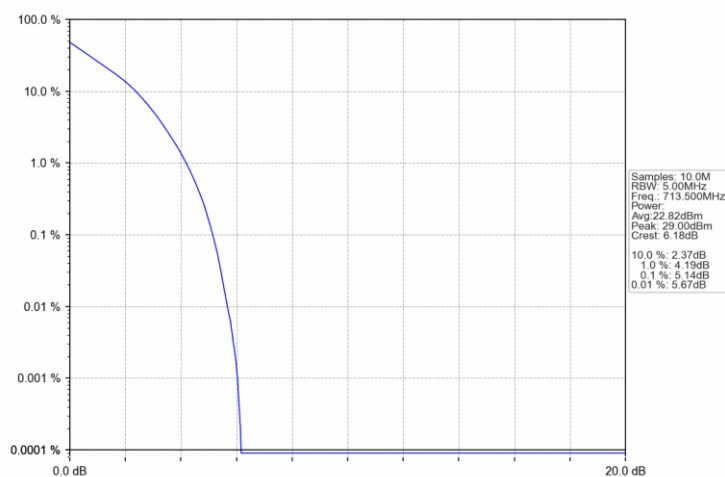
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



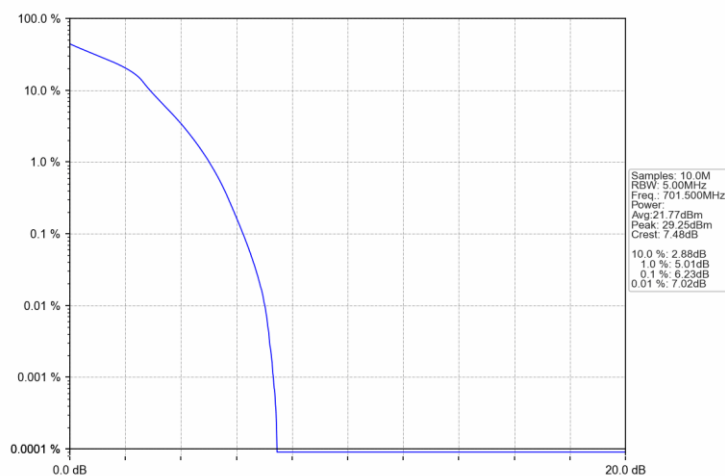
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



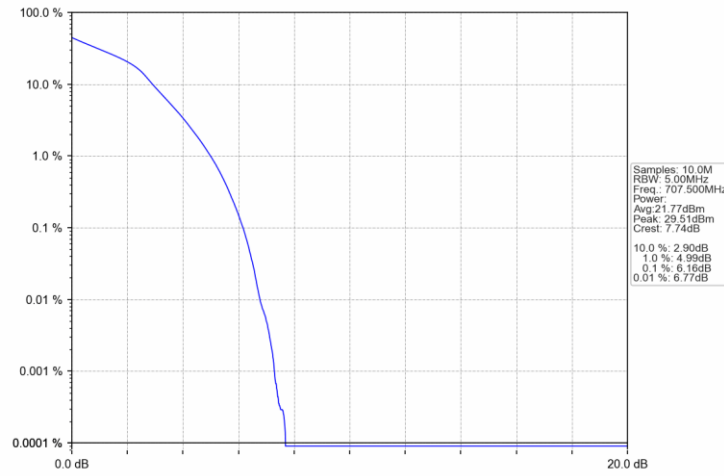
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



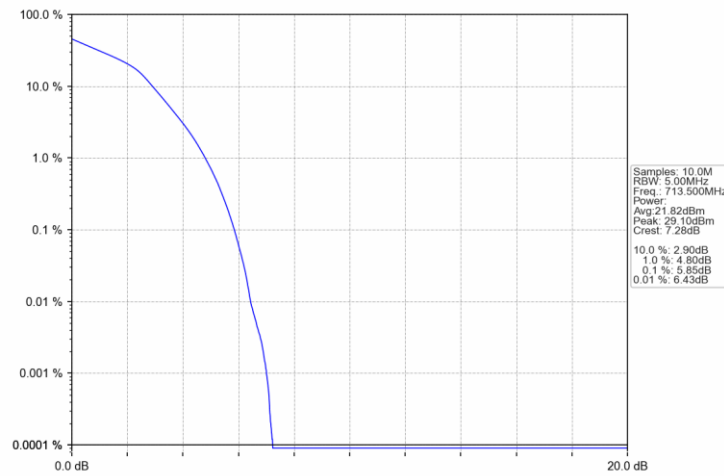
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



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

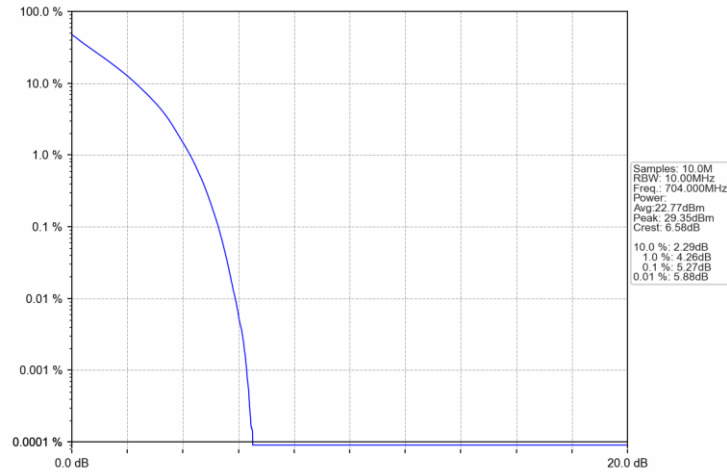


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

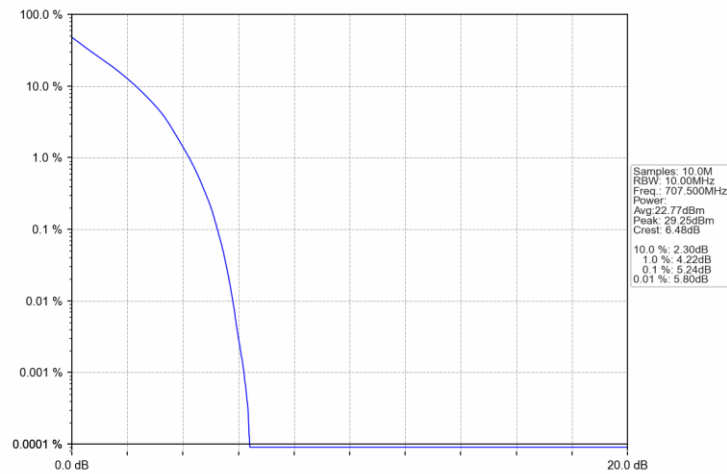


5.2.4 B12_10MHz

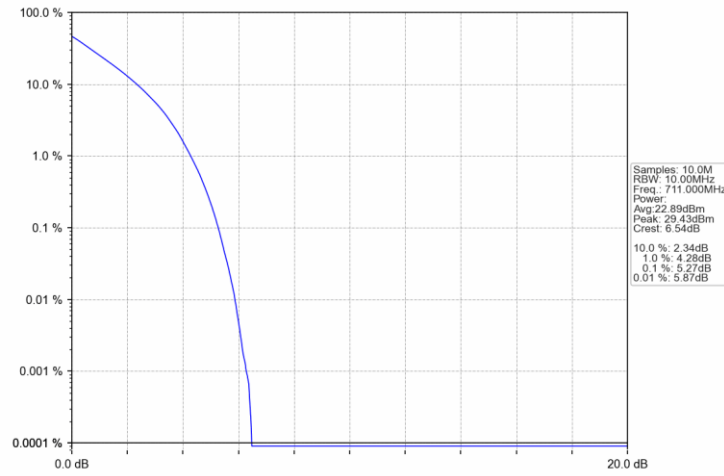
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



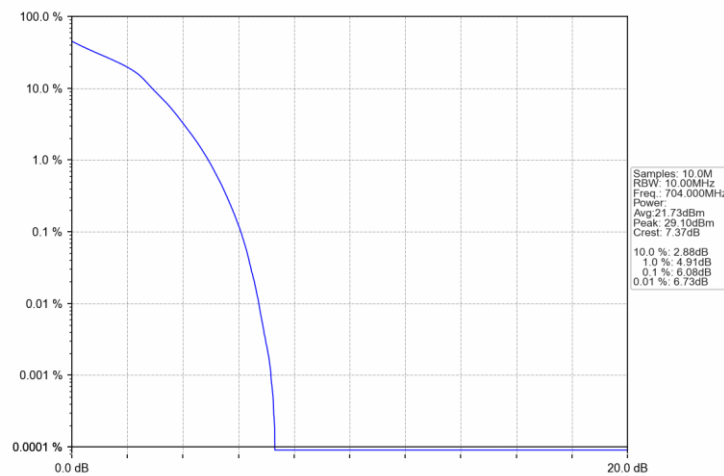
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



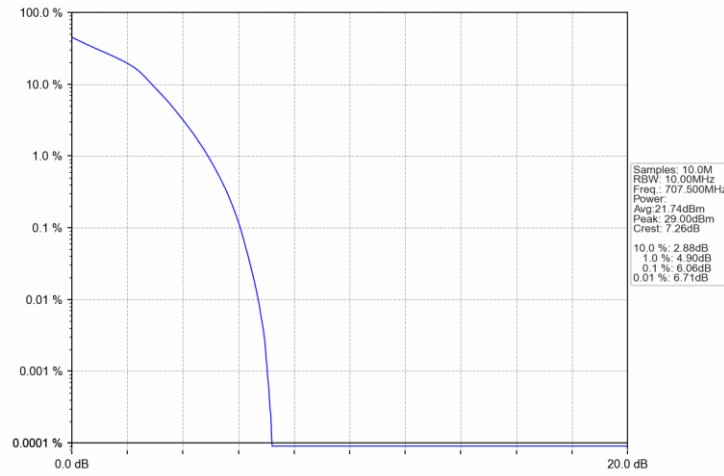
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



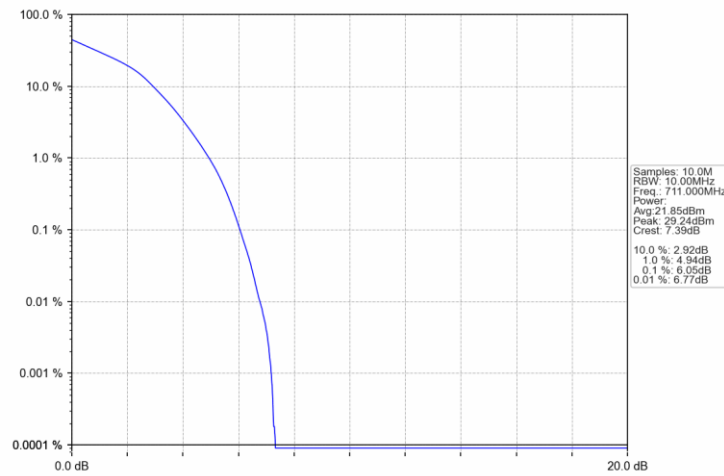
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 / 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 / NTVN						
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

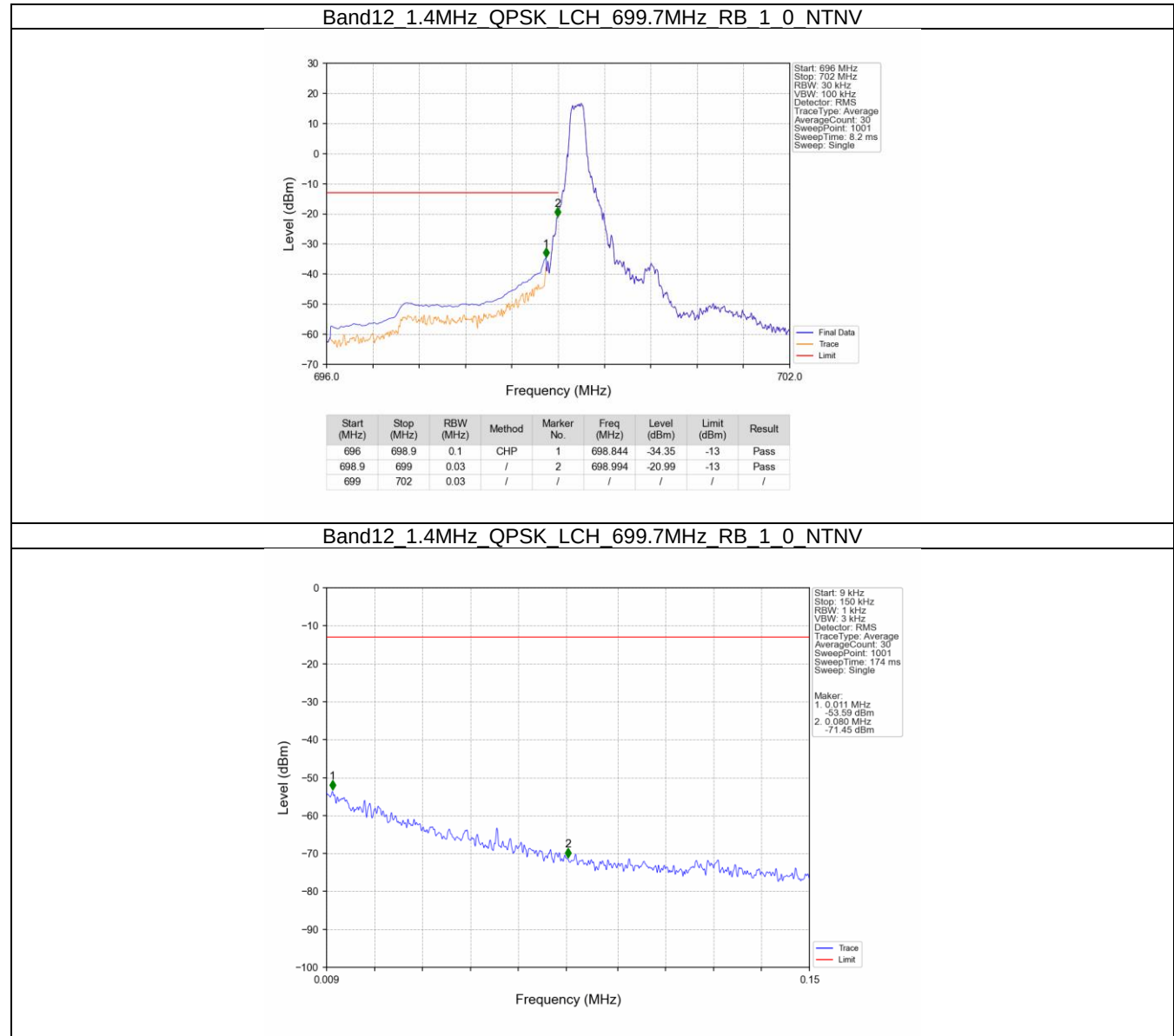
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

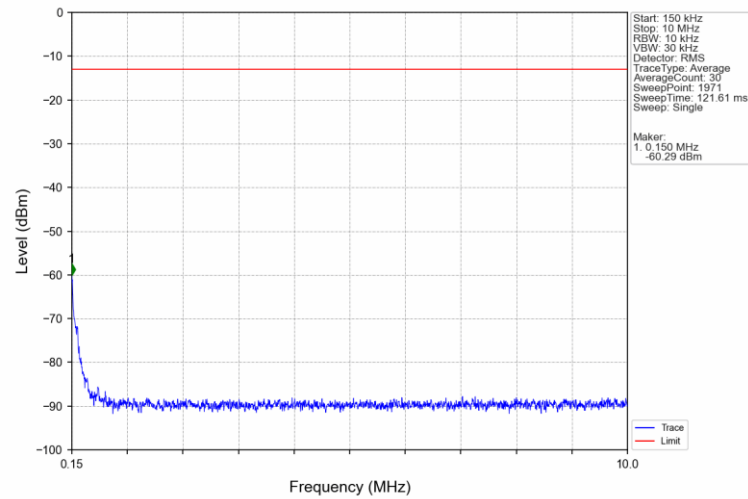
Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

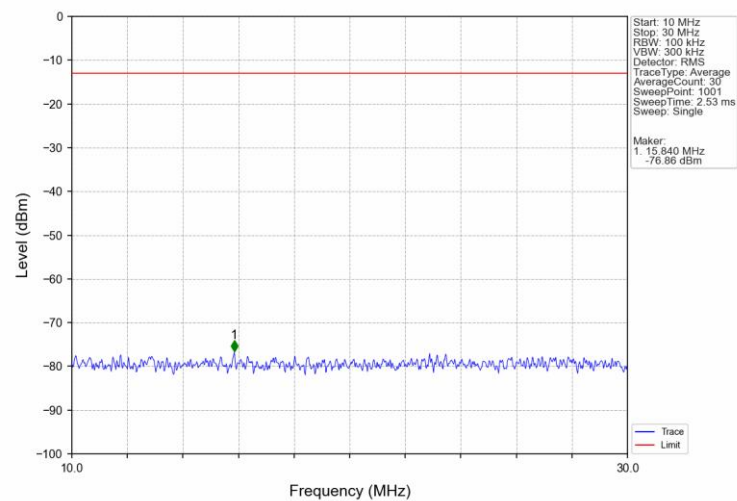
6.2.1 B12_1.4MHz



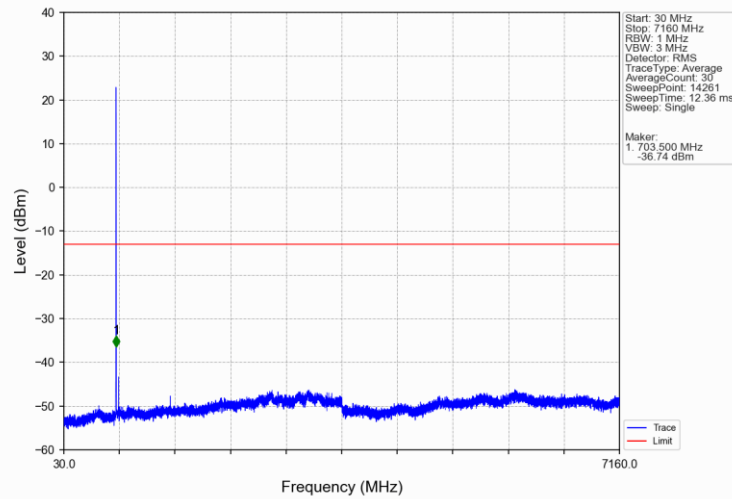
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



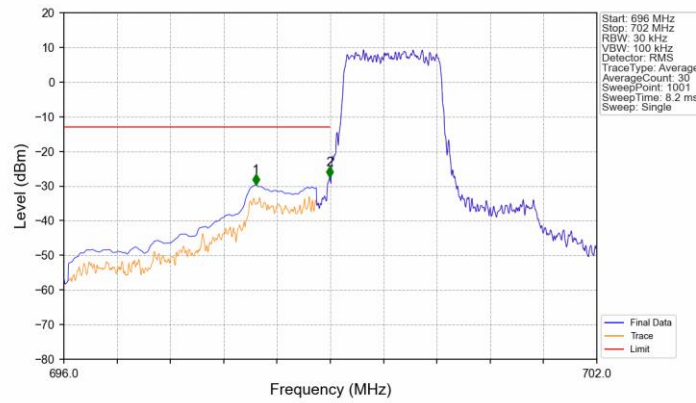
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

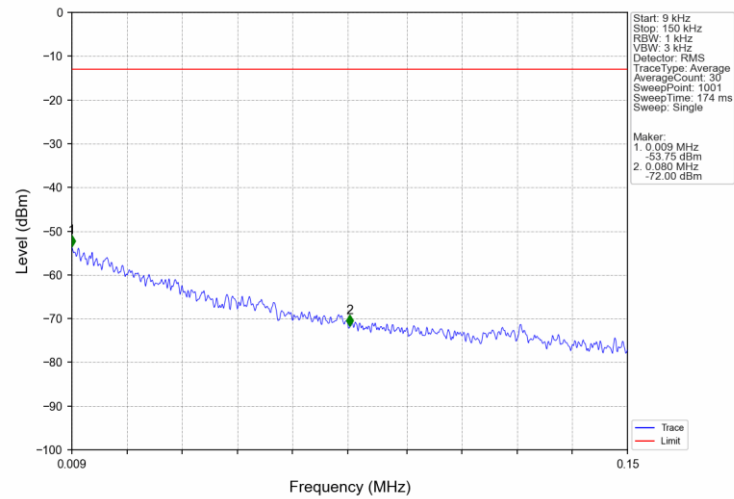


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV

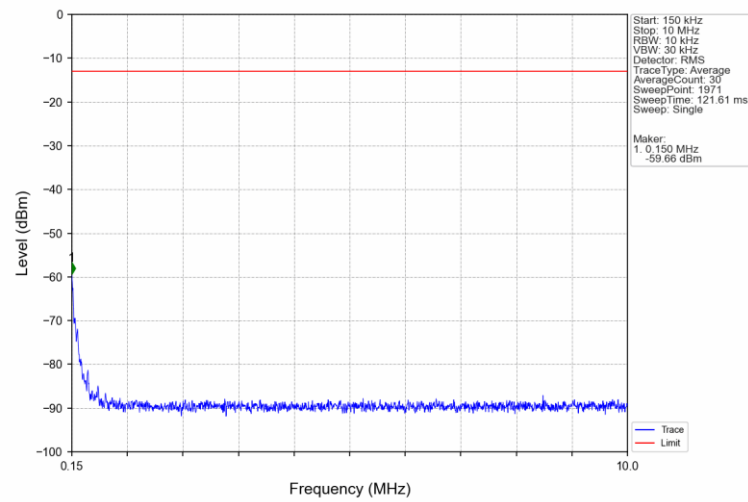


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.160	-29.74	-13	Pass
698.9	699	0.03	/	2	698.994	-27.51	-13	Pass
699	702	0.03	/	/	/	/	/	/

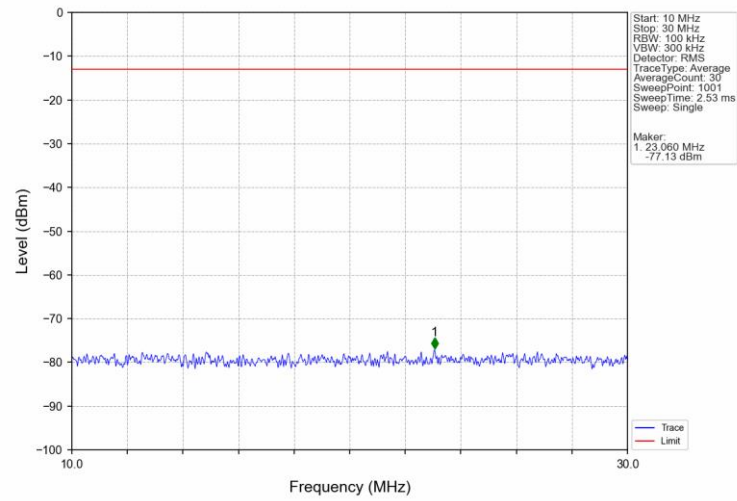
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV

