

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	23.81	0.39	22.05	<=34.77	Pass
			2	23.86	0.39	22.10	<=34.77	Pass
			5	23.85	0.39	22.09	<=34.77	Pass
		3	0	23.88	0.39	22.12	<=34.77	Pass
			2	23.92	0.39	22.16	<=34.77	Pass
			3	23.89	0.39	22.13	<=34.77	Pass
		6	0	22.93	0.39	21.17	<=34.77	Pass
	707.5	1	0	23.85	0.39	22.09	<=34.77	Pass
			2	23.86	0.39	22.10	<=34.77	Pass
			5	23.88	0.39	22.12	<=34.77	Pass
		3	0	23.99	0.39	22.23	<=34.77	Pass
			2	23.96	0.39	22.20	<=34.77	Pass
			3	23.99	0.39	22.23	<=34.77	Pass
		6	0	22.98	0.39	21.22	<=34.77	Pass
	715.3	1	0	23.96	0.39	22.20	<=34.77	Pass
			2	23.95	0.39	22.19	<=34.77	Pass
			5	23.87	0.39	22.11	<=34.77	Pass
		3	0	24.07	0.39	22.31	<=34.77	Pass
			2	24.12	0.39	22.36	<=34.77	Pass
			3	24.08	0.39	22.32	<=34.77	Pass
		6	0	23.03	0.39	21.27	<=34.77	Pass
16QAM	699.7	1	0	23.08	0.39	21.32	<=34.77	Pass
			2	23.09	0.39	21.33	<=34.77	Pass
			5	23.11	0.39	21.35	<=34.77	Pass
		3	0	22.86	0.39	21.10	<=34.77	Pass
			2	22.87	0.39	21.11	<=34.77	Pass
			3	22.87	0.39	21.11	<=34.77	Pass
		6	0	21.96	0.39	20.20	<=34.77	Pass
	707.5	1	0	22.97	0.39	21.21	<=34.77	Pass
			2	22.95	0.39	21.19	<=34.77	Pass
			5	22.99	0.39	21.23	<=34.77	Pass
		3	0	23.12	0.39	21.36	<=34.77	Pass
			2	23.10	0.39	21.34	<=34.77	Pass
			3	23.16	0.39	21.40	<=34.77	Pass
		6	0	21.95	0.39	20.19	<=34.77	Pass
	715.3	1	0	22.66	0.39	20.90	<=34.77	Pass
			2	22.71	0.39	20.95	<=34.77	Pass
			5	22.70	0.39	20.94	<=34.77	Pass
		3	0	23.04	0.39	21.28	<=34.77	Pass
			2	23.06	0.39	21.30	<=34.77	Pass
			3	23.03	0.39	21.27	<=34.77	Pass
		6	0	21.93	0.39	20.17	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	700.5	1	0	23.89	0.39	22.13	<=34.77	Pass	
			7	23.89	0.39	22.13	<=34.77	Pass	
			14	23.84	0.39	22.08	<=34.77	Pass	
		8	0	22.91	0.39	21.15	<=34.77	Pass	
			4	22.89	0.39	21.13	<=34.77	Pass	
			7	22.87	0.39	21.11	<=34.77	Pass	
		15	0	22.87	0.39	21.11	<=34.77	Pass	
		707.5	1	0	23.68	0.39	21.92	<=34.77	Pass
				7	23.55	0.39	21.79	<=34.77	Pass
	14			23.47	0.39	21.71	<=34.77	Pass	
	8		0	22.94	0.39	21.18	<=34.77	Pass	
			4	22.91	0.39	21.15	<=34.77	Pass	
			7	22.88	0.39	21.12	<=34.77	Pass	
	15		0	22.92	0.39	21.16	<=34.77	Pass	
	714.5		1	0	23.69	0.39	21.93	<=34.77	Pass
				7	23.76	0.39	22.00	<=34.77	Pass
		14		23.50	0.39	21.74	<=34.77	Pass	
		8	0	22.98	0.39	21.22	<=34.77	Pass	
			4	22.98	0.39	21.22	<=34.77	Pass	
			7	22.98	0.39	21.22	<=34.77	Pass	
		15	0	23.00	0.39	21.24	<=34.77	Pass	
16QAM		700.5	1	0	22.69	0.39	20.93	<=34.77	Pass
				7	22.62	0.39	20.86	<=34.77	Pass
	14			22.68	0.39	20.92	<=34.77	Pass	
	8		0	21.93	0.39	20.17	<=34.77	Pass	
			4	21.93	0.39	20.17	<=34.77	Pass	
			7	21.92	0.39	20.16	<=34.77	Pass	
	15		0	21.94	0.39	20.18	<=34.77	Pass	
	707.5		1	0	22.69	0.39	20.93	<=34.77	Pass
				7	22.74	0.39	20.98	<=34.77	Pass
		14		22.68	0.39	20.92	<=34.77	Pass	
		8	0	21.89	0.39	20.13	<=34.77	Pass	
			4	21.91	0.39	20.15	<=34.77	Pass	
			7	21.88	0.39	20.12	<=34.77	Pass	
		15	0	21.88	0.39	20.12	<=34.77	Pass	
		714.5	1	0	23.07	0.39	21.31	<=34.77	Pass
				7	22.99	0.39	21.23	<=34.77	Pass
	14			22.95	0.39	21.19	<=34.77	Pass	
	8		0	22.19	0.39	20.43	<=34.77	Pass	
			4	22.22	0.39	20.46	<=34.77	Pass	
			7	22.22	0.39	20.46	<=34.77	Pass	
	15		0	22.10	0.39	20.34	<=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	23.96	0.39	22.20	<=34.77	Pass
			13	23.92	0.39	22.16	<=34.77	Pass
			24	23.75	0.39	21.99	<=34.77	Pass
		12	0	22.93	0.39	21.17	<=34.77	Pass
			6	22.89	0.39	21.13	<=34.77	Pass
			13	22.92	0.39	21.16	<=34.77	Pass
		25	0	22.92	0.39	21.16	<=34.77	Pass
	707.5	1	0	23.45	0.39	21.69	<=34.77	Pass
			13	23.42	0.39	21.66	<=34.77	Pass

16QAM	713.5	12	24	23.51	0.39	21.75	<=34.77	Pass
			0	22.98	0.39	21.22	<=34.77	Pass
			6	22.95	0.39	21.19	<=34.77	Pass
			13	22.94	0.39	21.18	<=34.77	Pass
		25	0	22.95	0.39	21.19	<=34.77	Pass
	713.5	1	0	23.70	0.39	21.94	<=34.77	Pass
			13	23.75	0.39	21.99	<=34.77	Pass
			24	23.74	0.39	21.98	<=34.77	Pass
		12	0	23.07	0.39	21.31	<=34.77	Pass
			6	22.98	0.39	21.22	<=34.77	Pass
			13	23.00	0.39	21.24	<=34.77	Pass
		25	0	23.06	0.39	21.30	<=34.77	Pass
	701.5	1	0	22.56	0.39	20.80	<=34.77	Pass
			13	22.47	0.39	20.71	<=34.77	Pass
			24	22.59	0.39	20.83	<=34.77	Pass
		12	0	21.89	0.39	20.13	<=34.77	Pass
			6	21.86	0.39	20.10	<=34.77	Pass
			13	21.91	0.39	20.15	<=34.77	Pass
		25	0	21.97	0.39	20.21	<=34.77	Pass
	707.5	1	0	22.69	0.39	20.93	<=34.77	Pass
			13	22.70	0.39	20.94	<=34.77	Pass
			24	22.77	0.39	21.01	<=34.77	Pass
		12	0	22.02	0.39	20.26	<=34.77	Pass
			6	21.97	0.39	20.21	<=34.77	Pass
			13	21.95	0.39	20.19	<=34.77	Pass
		25	0	21.95	0.39	20.19	<=34.77	Pass
	713.5	1	0	22.39	0.39	20.63	<=34.77	Pass
			13	22.40	0.39	20.64	<=34.77	Pass
			24	22.41	0.39	20.65	<=34.77	Pass
		12	0	22.09	0.39	20.33	<=34.77	Pass
			6	22.03	0.39	20.27	<=34.77	Pass
			13	22.10	0.39	20.34	<=34.77	Pass
		25	0	22.11	0.39	20.35	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.66	0.39	21.90	<=34.77	Pass
			25	23.65	0.39	21.89	<=34.77	Pass
			49	23.63	0.39	21.87	<=34.77	Pass
		25	0	22.82	0.39	21.06	<=34.77	Pass
			13	22.97	0.39	21.21	<=34.77	Pass
			25	23.00	0.39	21.24	<=34.77	Pass
		50	0	22.91	0.39	21.15	<=34.77	Pass
	707.5	1	0	23.36	0.39	21.60	<=34.77	Pass
			25	23.44	0.39	21.68	<=34.77	Pass
			49	23.47	0.39	21.71	<=34.77	Pass
		25	0	22.92	0.39	21.16	<=34.77	Pass
			13	22.95	0.39	21.19	<=34.77	Pass
			25	22.91	0.39	21.15	<=34.77	Pass
		50	0	22.91	0.39	21.15	<=34.77	Pass
	711	1	0	23.47	0.39	21.71	<=34.77	Pass
			25	23.58	0.39	21.82	<=34.77	Pass
			49	23.63	0.39	21.87	<=34.77	Pass
		25	0	23.05	0.39	21.29	<=34.77	Pass

16QAM	704	50	13	23.02	0.39	21.26	<=34.77	Pass
			25	23.06	0.39	21.30	<=34.77	Pass
			0	23.08	0.39	21.32	<=34.77	Pass
		1	0	22.40	0.39	20.64	<=34.77	Pass
			25	22.47	0.39	20.71	<=34.77	Pass
			49	22.60	0.39	20.84	<=34.77	Pass
		12	0	22.94	0.39	21.18	<=34.77	Pass
			19	23.00	0.39	21.24	<=34.77	Pass
			38	23.08	0.39	21.32	<=34.77	Pass
		27	0	21.80	0.39	20.04	<=34.77	Pass
	707.5	1	0	22.55	0.39	20.79	<=34.77	Pass
			25	22.66	0.39	20.90	<=34.77	Pass
			49	22.66	0.39	20.90	<=34.77	Pass
		12	0	22.90	0.39	21.14	<=34.77	Pass
			19	22.98	0.39	21.22	<=34.77	Pass
			38	22.92	0.39	21.16	<=34.77	Pass
		27	0	21.96	0.39	20.20	<=34.77	Pass
	711	1	0	22.96	0.39	21.20	<=34.77	Pass
			25	23.06	0.39	21.30	<=34.77	Pass
			49	23.02	0.39	21.26	<=34.77	Pass
		12	0	23.05	0.39	21.29	<=34.77	Pass
			19	23.04	0.39	21.28	<=34.77	Pass
			38	23.17	0.39	21.41	<=34.77	Pass
		27	23	21.98	0.39	20.22	<=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	3.15	-0.272	-0.0004	-2.5 to 2.5	Pass
					3.70	-1.330	-0.0019	-2.5 to 2.5	Pass
					4.26	-5.336	-0.0076	-2.5 to 2.5	Pass
				-30	3.70	-4.520	-0.0065	-2.5 to 2.5	Pass
				-20	3.70	-0.787	-0.0011	-2.5 to 2.5	Pass
				-10	3.70	8.612	0.0123	-2.5 to 2.5	Pass
				0	3.70	-1.545	-0.0022	-2.5 to 2.5	Pass
				10	3.70	-0.958	-0.0014	-2.5 to 2.5	Pass
				30	3.70	0.529	0.0008	-2.5 to 2.5	Pass
				40	3.70	0.529	0.0008	-2.5 to 2.5	Pass
				50	3.70	-0.086	-0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	3.15	-1.516	-0.0021	-2.5 to 2.5	Pass
					3.70	1.373	0.0019	-2.5 to 2.5	Pass
					4.26	-0.072	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	1.531	0.0022	-2.5 to 2.5	Pass
				-20	3.70	-2.260	-0.0032	-2.5 to 2.5	Pass
				-10	3.70	4.864	0.0069	-2.5 to 2.5	Pass
				0	3.70	-0.486	-0.0007	-2.5 to 2.5	Pass
				10	3.70	0.443	0.0006	-2.5 to 2.5	Pass
				30	3.70	1.273	0.0018	-2.5 to 2.5	Pass
				40	3.70	0.486	0.0007	-2.5 to 2.5	Pass

	715.3	6	0	50	3.70	2.747	0.0039	-2.5 to 2.5	Pass
				20	3.15	-3.004	-0.0042	-2.5 to 2.5	Pass
					3.70	0.815	0.0011	-2.5 to 2.5	Pass
					4.26	3.819	0.0053	-2.5 to 2.5	Pass
				-30	3.70	0.215	0.0003	-2.5 to 2.5	Pass
				-20	3.70	1.559	0.0022	-2.5 to 2.5	Pass
				-10	3.70	-1.431	-0.0020	-2.5 to 2.5	Pass
				0	3.70	-4.349	-0.0061	-2.5 to 2.5	Pass
				10	3.70	4.578	0.0064	-2.5 to 2.5	Pass
				30	3.70	-0.114	-0.0002	-2.5 to 2.5	Pass
16QAM	699.7	6	0	40	3.70	5.894	0.0082	-2.5 to 2.5	Pass
				50	3.70	-1.860	-0.0026	-2.5 to 2.5	Pass
				20	3.15	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.70	-0.486	-0.0007	-2.5 to 2.5	Pass
					4.26	-1.459	-0.0021	-2.5 to 2.5	Pass
				-30	3.70	1.330	0.0019	-2.5 to 2.5	Pass
				-20	3.70	0.701	0.0010	-2.5 to 2.5	Pass
				-10	3.70	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.70	0.458	0.0007	-2.5 to 2.5	Pass
				10	3.70	2.174	0.0031	-2.5 to 2.5	Pass
	707.5	6	0	30	3.70	-2.360	-0.0034	-2.5 to 2.5	Pass
				40	3.70	-1.287	-0.0018	-2.5 to 2.5	Pass
				50	3.70	-1.388	-0.0020	-2.5 to 2.5	Pass
				20	3.15	0.401	0.0006	-2.5 to 2.5	Pass
					3.70	1.817	0.0026	-2.5 to 2.5	Pass
					4.26	2.904	0.0041	-2.5 to 2.5	Pass
				-30	3.70	1.945	0.0027	-2.5 to 2.5	Pass
				-20	3.70	-1.373	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	-5.107	-0.0072	-2.5 to 2.5	Pass
				0	3.70	2.403	0.0034	-2.5 to 2.5	Pass
	715.3	6	0	10	3.70	3.691	0.0052	-2.5 to 2.5	Pass
				30	3.70	-3.090	-0.0044	-2.5 to 2.5	Pass
				40	3.70	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	3.70	-2.675	-0.0038	-2.5 to 2.5	Pass
				20	3.15	-1.044	-0.0015	-2.5 to 2.5	Pass
					3.70	-0.501	-0.0007	-2.5 to 2.5	Pass
					4.26	-2.103	-0.0029	-2.5 to 2.5	Pass
				-30	3.70	-0.372	-0.0005	-2.5 to 2.5	Pass
				-20	3.70	2.604	0.0036	-2.5 to 2.5	Pass
				-10	3.70	2.747	0.0038	-2.5 to 2.5	Pass
				0	3.70	-2.604	-0.0036	-2.5 to 2.5	Pass
				10	3.70	-3.190	-0.0045	-2.5 to 2.5	Pass
				30	3.70	-2.546	-0.0036	-2.5 to 2.5	Pass
				40	3.70	1.116	0.0016	-2.5 to 2.5	Pass
				50	3.70	3.576	0.0050	-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	3.15	-2.804	-0.0040	-2.5 to 2.5	Pass
					3.70	-1.388	-0.0020	-2.5 to 2.5	Pass
					4.26	-3.090	-0.0044	-2.5 to 2.5	Pass
				-30	3.70	-4.277	-0.0061	-2.5 to 2.5	Pass
				-20	3.70	-4.449	-0.0064	-2.5 to 2.5	Pass
				-10	3.70	-0.758	-0.0011	-2.5 to 2.5	Pass
				0	3.70	4.663	0.0067	-2.5 to 2.5	Pass

				10	3.70	-0.343	-0.0005	-2.5 to 2.5	Pass
				30	3.70	0.858	0.0012	-2.5 to 2.5	Pass
				40	3.70	-3.691	-0.0053	-2.5 to 2.5	Pass
				50	3.70	-0.200	-0.0003	-2.5 to 2.5	Pass
	707.5	15	0	20	3.15	-0.973	-0.0014	-2.5 to 2.5	Pass
					3.70	-0.629	-0.0009	-2.5 to 2.5	Pass
					4.26	-5.078	-0.0072	-2.5 to 2.5	Pass
				-30	3.70	0.143	0.0002	-2.5 to 2.5	Pass
				-20	3.70	1.030	0.0015	-2.5 to 2.5	Pass
				-10	3.70	-1.359	-0.0019	-2.5 to 2.5	Pass
				0	3.70	2.604	0.0037	-2.5 to 2.5	Pass
				10	3.70	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.70	0.114	0.0002	-2.5 to 2.5	Pass
				40	3.70	-1.445	-0.0020	-2.5 to 2.5	Pass
				50	3.70	1.159	0.0016	-2.5 to 2.5	Pass
	714.5	15	0	20	3.15	1.731	0.0024	-2.5 to 2.5	Pass
					3.70	2.232	0.0031	-2.5 to 2.5	Pass
					4.26	1.473	0.0021	-2.5 to 2.5	Pass
				-30	3.70	2.389	0.0033	-2.5 to 2.5	Pass
				-20	3.70	-0.958	-0.0013	-2.5 to 2.5	Pass
				-10	3.70	-2.890	-0.0040	-2.5 to 2.5	Pass
				0	3.70	1.960	0.0027	-2.5 to 2.5	Pass
				10	3.70	1.259	0.0018	-2.5 to 2.5	Pass
				30	3.70	-1.845	-0.0026	-2.5 to 2.5	Pass
				40	3.70	4.034	0.0056	-2.5 to 2.5	Pass
				50	3.70	-1.273	-0.0018	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.15	-2.518	-0.0036	-2.5 to 2.5	Pass
					3.70	-2.446	-0.0035	-2.5 to 2.5	Pass
					4.26	-1.774	-0.0025	-2.5 to 2.5	Pass
				-30	3.70	2.618	0.0037	-2.5 to 2.5	Pass
				-20	3.70	-0.987	-0.0014	-2.5 to 2.5	Pass
				-10	3.70	-1.574	-0.0022	-2.5 to 2.5	Pass
				0	3.70	-3.591	-0.0051	-2.5 to 2.5	Pass
				10	3.70	2.203	0.0031	-2.5 to 2.5	Pass
				30	3.70	-3.119	-0.0045	-2.5 to 2.5	Pass
				40	3.70	0.801	0.0011	-2.5 to 2.5	Pass
				50	3.70	1.831	0.0026	-2.5 to 2.5	Pass
	707.5	15	0	20	3.15	-1.631	-0.0023	-2.5 to 2.5	Pass
					3.70	-3.276	-0.0046	-2.5 to 2.5	Pass
					4.26	-1.159	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-2.961	-0.0042	-2.5 to 2.5	Pass
				-20	3.70	-1.860	-0.0026	-2.5 to 2.5	Pass
				-10	3.70	-4.249	-0.0060	-2.5 to 2.5	Pass
				0	3.70	2.532	0.0036	-2.5 to 2.5	Pass
				10	3.70	-2.389	-0.0034	-2.5 to 2.5	Pass
				30	3.70	-1.574	-0.0022	-2.5 to 2.5	Pass
				40	3.70	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	3.70	-6.766	-0.0096	-2.5 to 2.5	Pass
	714.5	15	0	20	3.15	-1.173	-0.0016	-2.5 to 2.5	Pass
					3.70	-0.272	-0.0004	-2.5 to 2.5	Pass
					4.26	0.358	0.0005	-2.5 to 2.5	Pass
				-30	3.70	-1.473	-0.0021	-2.5 to 2.5	Pass
				-20	3.70	-1.330	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	2.217	0.0031	-2.5 to 2.5	Pass
				0	3.70	-1.373	-0.0019	-2.5 to 2.5	Pass
				10	3.70	2.275	0.0032	-2.5 to 2.5	Pass
				30	3.70	1.574	0.0022	-2.5 to 2.5	Pass
				40	3.70	3.676	0.0051	-2.5 to 2.5	Pass
				50	3.70	-2.160	-0.0030	-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	3.15	2.804	0.0040	-2.5 to 2.5	Pass
					3.70	0.744	0.0011	-2.5 to 2.5	Pass
					4.26	1.502	0.0021	-2.5 to 2.5	Pass
				-30	3.70	3.319	0.0047	-2.5 to 2.5	Pass
				-20	3.70	1.473	0.0021	-2.5 to 2.5	Pass
				-10	3.70	-0.787	-0.0011	-2.5 to 2.5	Pass
				0	3.70	-0.629	-0.0009	-2.5 to 2.5	Pass
				10	3.70	1.445	0.0021	-2.5 to 2.5	Pass
				30	3.70	3.290	0.0047	-2.5 to 2.5	Pass
				40	3.70	-1.702	-0.0024	-2.5 to 2.5	Pass
				50	3.70	-1.860	-0.0027	-2.5 to 2.5	Pass
	707.5	25	0	20	3.15	-1.116	-0.0016	-2.5 to 2.5	Pass
					3.70	1.030	0.0015	-2.5 to 2.5	Pass
					4.26	-0.815	-0.0012	-2.5 to 2.5	Pass
				-30	3.70	-3.977	-0.0056	-2.5 to 2.5	Pass
				-20	3.70	2.446	0.0035	-2.5 to 2.5	Pass
				-10	3.70	-2.046	-0.0029	-2.5 to 2.5	Pass
				0	3.70	-6.666	-0.0094	-2.5 to 2.5	Pass
				10	3.70	-3.762	-0.0053	-2.5 to 2.5	Pass
				30	3.70	-3.905	-0.0055	-2.5 to 2.5	Pass
				40	3.70	-3.104	-0.0044	-2.5 to 2.5	Pass
				50	3.70	-0.300	-0.0004	-2.5 to 2.5	Pass
	713.5	25	0	20	3.15	-2.747	-0.0039	-2.5 to 2.5	Pass
					3.70	3.777	0.0053	-2.5 to 2.5	Pass
					4.26	-1.402	-0.0020	-2.5 to 2.5	Pass
				-30	3.70	1.230	0.0017	-2.5 to 2.5	Pass
				-20	3.70	3.948	0.0055	-2.5 to 2.5	Pass
				-10	3.70	1.230	0.0017	-2.5 to 2.5	Pass
				0	3.70	0.472	0.0007	-2.5 to 2.5	Pass
				10	3.70	0.658	0.0009	-2.5 to 2.5	Pass
				30	3.70	1.974	0.0028	-2.5 to 2.5	Pass
				40	3.70	-0.386	-0.0005	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.15	-0.472	-0.0007	-2.5 to 2.5	Pass
					3.70	1.888	0.0027	-2.5 to 2.5	Pass
					4.26	1.431	0.0020	-2.5 to 2.5	Pass
				-30	3.70	-0.901	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	0.701	0.0010	-2.5 to 2.5	Pass
				0	3.70	2.689	0.0038	-2.5 to 2.5	Pass
				10	3.70	2.475	0.0035	-2.5 to 2.5	Pass
				30	3.70	3.505	0.0050	-2.5 to 2.5	Pass
				40	3.70	4.506	0.0064	-2.5 to 2.5	Pass
				50	3.70	2.217	0.0032	-2.5 to 2.5	Pass
	707.5	25	0	20	3.15	-4.120	-0.0058	-2.5 to 2.5	Pass
					3.70	-1.345	-0.0019	-2.5 to 2.5	Pass
					4.26	-2.618	-0.0037	-2.5 to 2.5	Pass
				-30	3.70	-1.130	-0.0016	-2.5 to 2.5	Pass
				-20	3.70	-2.246	-0.0032	-2.5 to 2.5	Pass
				-10	3.70	-1.717	-0.0024	-2.5 to 2.5	Pass
				0	3.70	2.060	0.0029	-2.5 to 2.5	Pass
				10	3.70	-0.672	-0.0009	-2.5 to 2.5	Pass

	713.5	25	0	30	3.70	1.101	0.0016	-2.5 to 2.5	Pass
				40	3.70	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.70	-3.061	-0.0043	-2.5 to 2.5	Pass
				20	3.15	-0.944	-0.0013	-2.5 to 2.5	Pass
					3.70	-2.532	-0.0035	-2.5 to 2.5	Pass
					4.26	1.016	0.0014	-2.5 to 2.5	Pass
				-30	3.70	2.189	0.0031	-2.5 to 2.5	Pass
				-20	3.70	-2.117	-0.0030	-2.5 to 2.5	Pass
				-10	3.70	-2.847	-0.0040	-2.5 to 2.5	Pass
				0	3.70	1.087	0.0015	-2.5 to 2.5	Pass
				10	3.70	-0.114	-0.0002	-2.5 to 2.5	Pass
				30	3.70	-0.157	-0.0002	-2.5 to 2.5	Pass
				40	3.70	3.448	0.0048	-2.5 to 2.5	Pass
				50	3.70	-1.917	-0.0027	-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	3.15	-2.403	-0.0034	-2.5 to 2.5	Pass
					3.70	-0.029	0.0000	-2.5 to 2.5	Pass
					4.26	-2.489	-0.0035	-2.5 to 2.5	Pass
				-30	3.70	-3.376	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	-3.219	-0.0046	-2.5 to 2.5	Pass
				-10	3.70	-2.618	-0.0037	-2.5 to 2.5	Pass
				0	3.70	-2.174	-0.0031	-2.5 to 2.5	Pass
				10	3.70	-0.558	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-0.887	-0.0013	-2.5 to 2.5	Pass
				40	3.70	-1.931	-0.0027	-2.5 to 2.5	Pass
				50	3.70	-0.644	-0.0009	-2.5 to 2.5	Pass
	707.5	50	0	20	3.15	-2.975	-0.0042	-2.5 to 2.5	Pass
					3.70	-0.815	-0.0012	-2.5 to 2.5	Pass
					4.26	0.358	0.0005	-2.5 to 2.5	Pass
				-30	3.70	-0.286	-0.0004	-2.5 to 2.5	Pass
				-20	3.70	-1.559	-0.0022	-2.5 to 2.5	Pass
				-10	3.70	-0.887	-0.0013	-2.5 to 2.5	Pass
				0	3.70	-0.143	-0.0002	-2.5 to 2.5	Pass
				10	3.70	0.558	0.0008	-2.5 to 2.5	Pass
				30	3.70	-2.217	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-0.844	-0.0012	-2.5 to 2.5	Pass
				50	3.70	-2.961	-0.0042	-2.5 to 2.5	Pass
	711	50	0	20	3.15	1.445	0.0020	-2.5 to 2.5	Pass
					3.70	1.788	0.0025	-2.5 to 2.5	Pass
					4.26	1.087	0.0015	-2.5 to 2.5	Pass
				-30	3.70	0.658	0.0009	-2.5 to 2.5	Pass
				-20	3.70	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	1.316	0.0019	-2.5 to 2.5	Pass
				0	3.70	2.303	0.0032	-2.5 to 2.5	Pass
				10	3.70	-1.330	-0.0019	-2.5 to 2.5	Pass
				30	3.70	-1.574	-0.0022	-2.5 to 2.5	Pass
				40	3.70	-0.057	-0.0001	-2.5 to 2.5	Pass
				50	3.70	0.043	0.0001	-2.5 to 2.5	Pass
16QAM	704	27	0	20	3.15	0.343	0.0005	-2.5 to 2.5	Pass
					3.70	0.401	0.0006	-2.5 to 2.5	Pass
					4.26	2.089	0.0030	-2.5 to 2.5	Pass
				-30	3.70	0.558	0.0008	-2.5 to 2.5	Pass
				-20	3.70	-0.243	-0.0003	-2.5 to 2.5	Pass

				-10	3.70	-1.945	-0.0028	-2.5 to 2.5	Pass
				0	3.70	-2.275	-0.0032	-2.5 to 2.5	Pass
				10	3.70	-1.373	-0.0020	-2.5 to 2.5	Pass
				30	3.70	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.70	0.930	0.0013	-2.5 to 2.5	Pass
				50	3.70	1.302	0.0018	-2.5 to 2.5	Pass
	707.5	27	0	20	3.15	-0.672	-0.0009	-2.5 to 2.5	Pass
					3.70	-7.267	-0.0103	-2.5 to 2.5	Pass
					4.26	1.960	0.0028	-2.5 to 2.5	Pass
				-30	3.70	-0.944	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	-4.292	-0.0061	-2.5 to 2.5	Pass
				-10	3.70	-2.246	-0.0032	-2.5 to 2.5	Pass
				0	3.70	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.70	-0.615	-0.0009	-2.5 to 2.5	Pass
				30	3.70	0.029	0.0000	-2.5 to 2.5	Pass
				40	3.70	-1.802	-0.0025	-2.5 to 2.5	Pass
				50	3.70	-0.544	-0.0008	-2.5 to 2.5	Pass
	711	27	23	20	3.15	-0.944	-0.0013	-2.5 to 2.5	Pass
					3.70	1.416	0.0020	-2.5 to 2.5	Pass
					4.26	-0.215	-0.0003	-2.5 to 2.5	Pass
				-30	3.70	-0.901	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	-3.748	-0.0053	-2.5 to 2.5	Pass
				-10	3.70	0.529	0.0007	-2.5 to 2.5	Pass
				0	3.70	2.232	0.0031	-2.5 to 2.5	Pass
				10	3.70	0.086	0.0001	-2.5 to 2.5	Pass
				30	3.70	-3.333	-0.0047	-2.5 to 2.5	Pass
				40	3.70	-3.433	-0.0048	-2.5 to 2.5	Pass
				50	3.70	-3.633	-0.0051	-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	

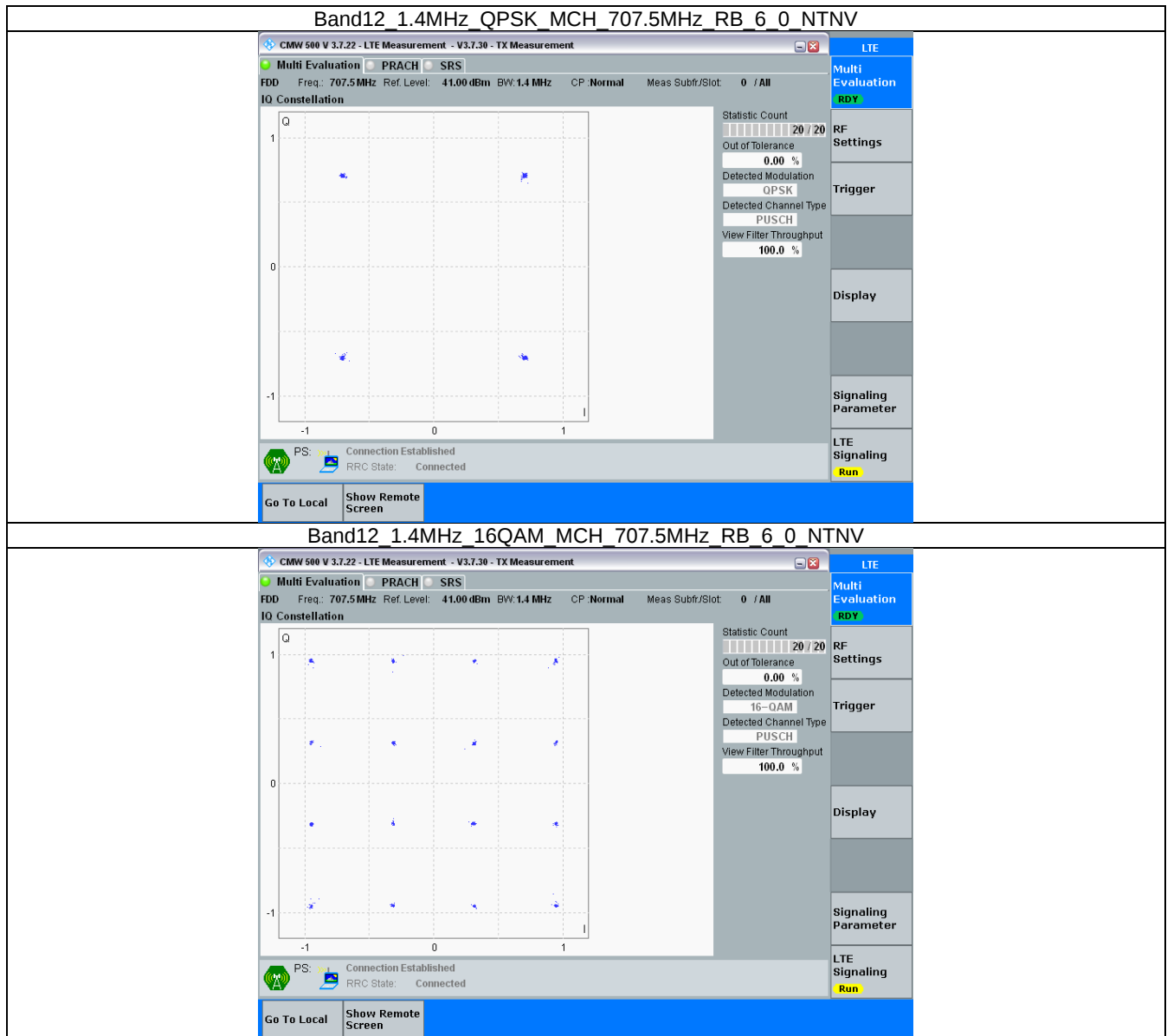
QPSK	707.5	25	0	Refer To Test Graph	Pass
16QAM	707.5	25	0	Refer To Test Graph	Pass

3.1.4 B12_10MHz

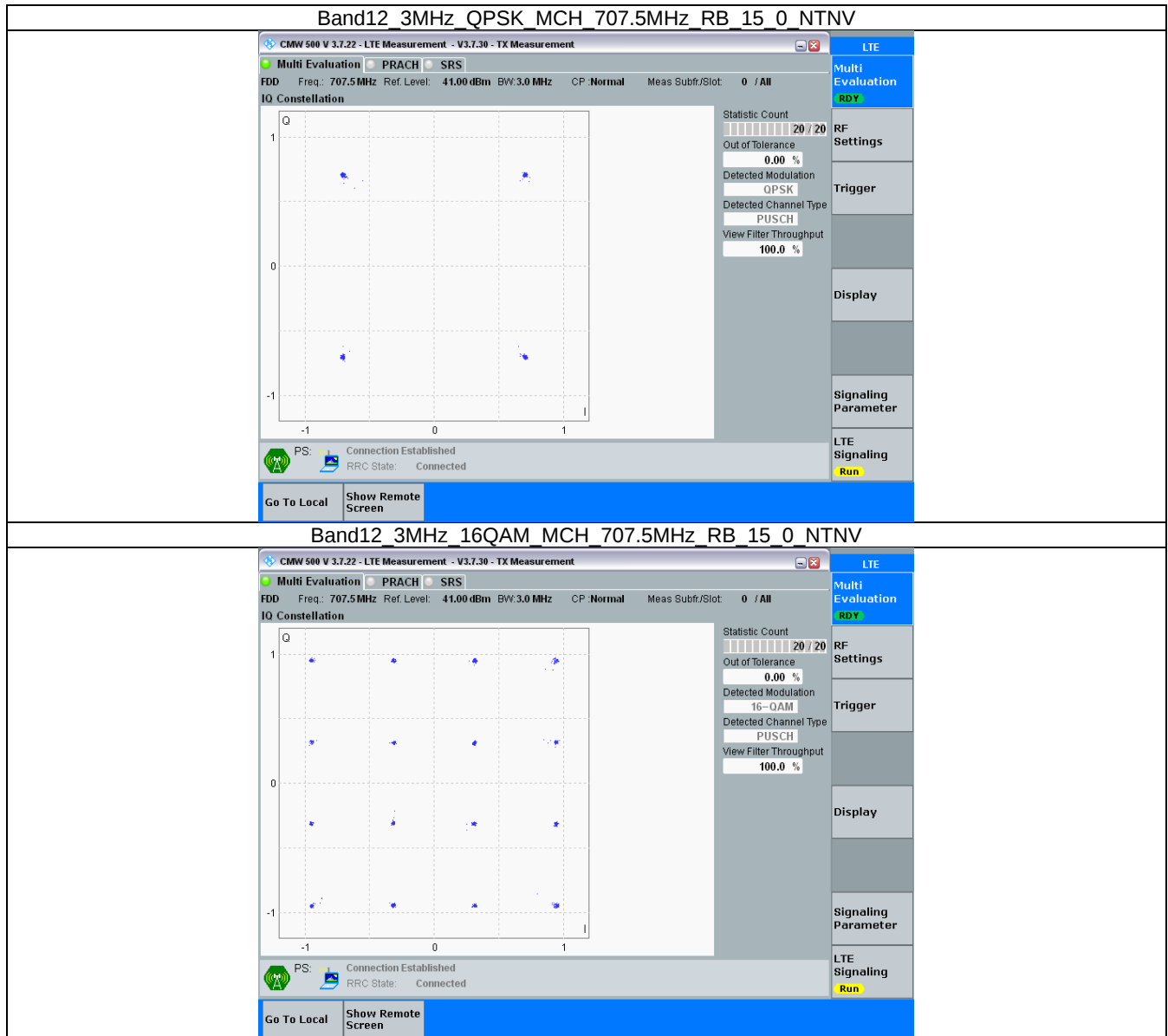
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

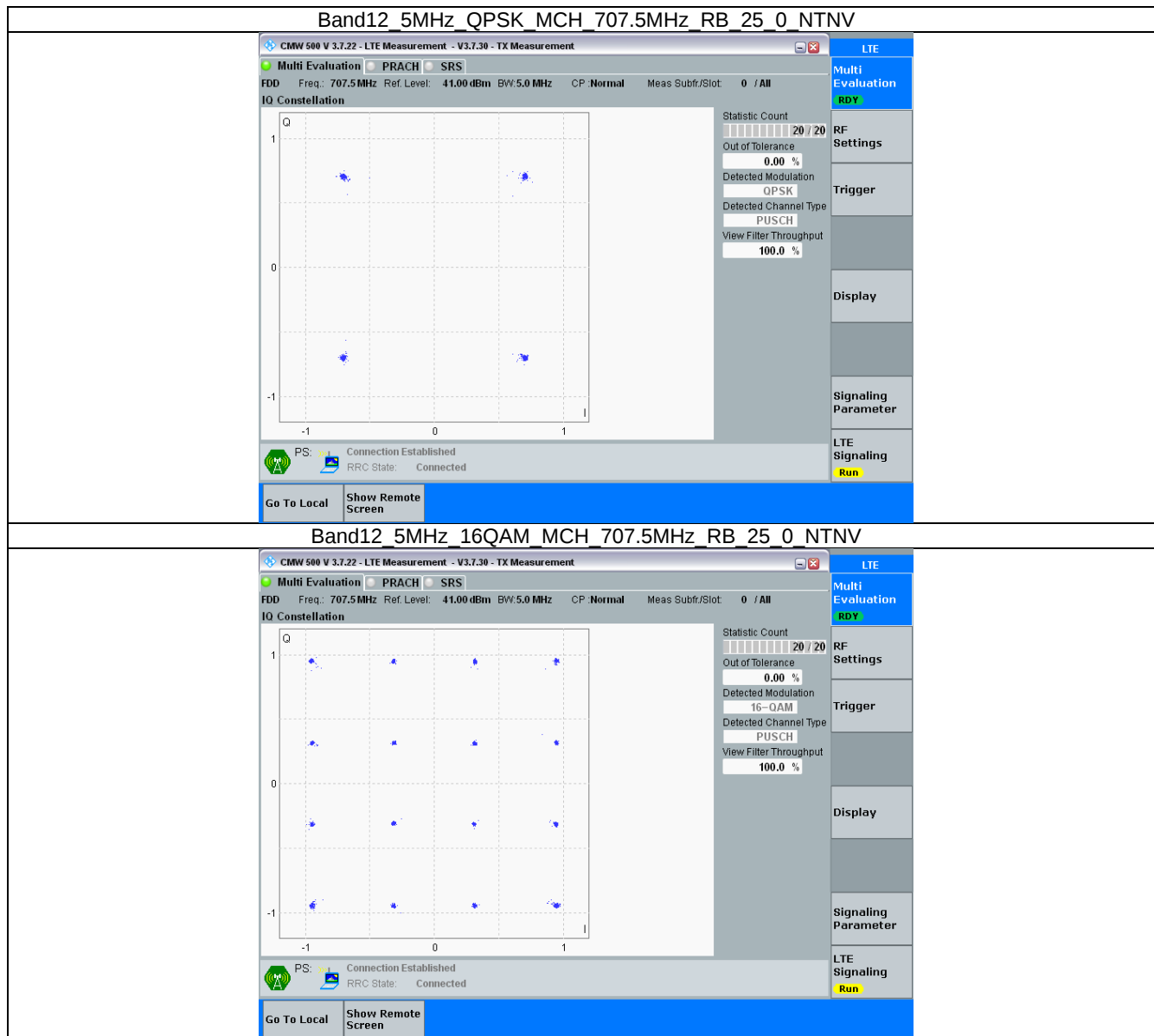
3.2.1 B12_1.4MHz



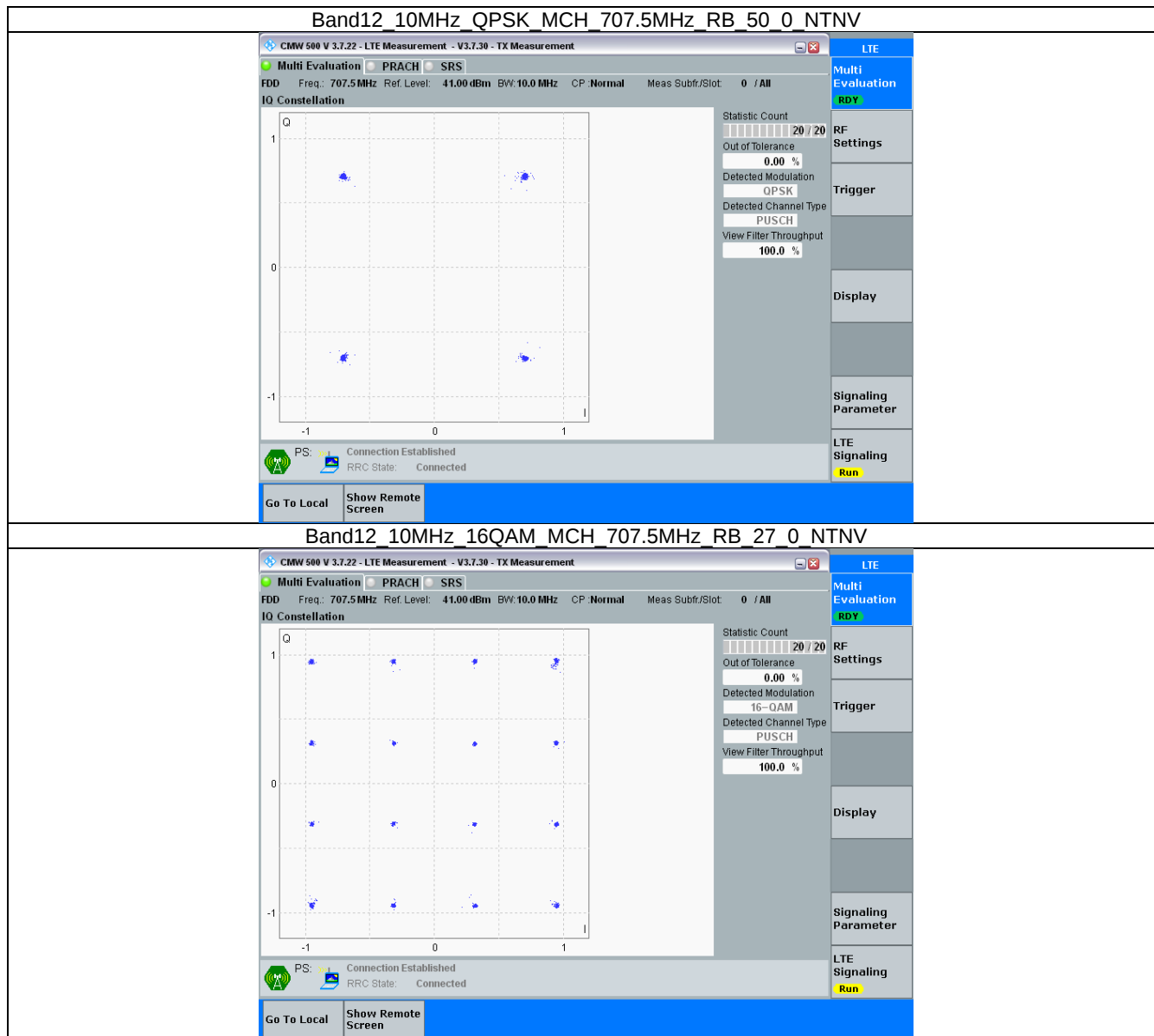
3.2.2 B12_3MHz



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	1.125	/	Pass
		707.5	6	0	1.102	/	Pass
		715.3	6	0	1.116	/	Pass
	16QAM	699.7	6	0	1.111	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.112	/	Pass
3	QPSK	700.5	15	0	2.731	/	Pass
		707.5	15	0	2.738	/	Pass
		714.5	15	0	2.731	/	Pass
	16QAM	700.5	15	0	2.730	/	Pass
		707.5	15	0	2.724	/	Pass
		714.5	15	0	2.740	/	Pass
5	QPSK	701.5	25	0	4.533	/	Pass
		707.5	25	0	4.540	/	Pass
		713.5	25	0	4.565	/	Pass
	16QAM	701.5	25	0	4.546	/	Pass
		707.5	25	0	4.547	/	Pass
		713.5	25	0	4.543	/	Pass
10	QPSK	704	50	0	9.045	/	Pass
		707.5	50	0	9.020	/	Pass
		711	50	0	9.046	/	Pass
	16QAM	704	27	0	5.115	/	Pass
		707.5	27	0	5.066	/	Pass
		711	27	23	5.088	/	Pass

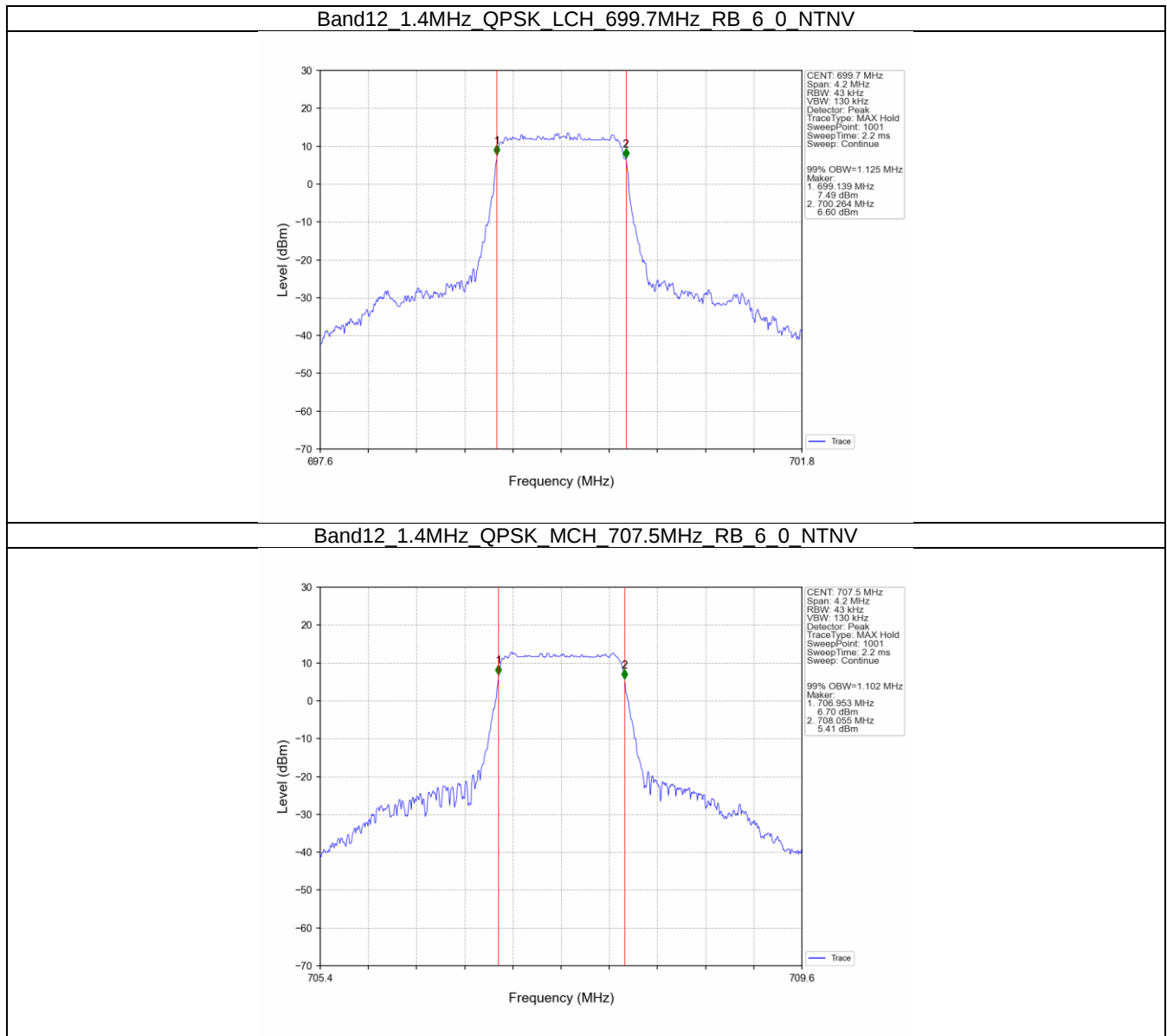
4.1.2 Band12_XDB

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	1.315	/	Pass
		715.3	6	0	1.316	/	Pass
	16QAM	699.7	6	0	1.339	/	Pass
		707.5	6	0	1.317	/	Pass
		715.3	6	0	1.340	/	Pass
3	QPSK	700.5	15	0	3.015	/	Pass
		707.5	15	0	3.016	/	Pass
		714.5	15	0	3.012	/	Pass
	16QAM	700.5	15	0	3.015	/	Pass
		707.5	15	0	3.012	/	Pass
		714.5	15	0	3.008	/	Pass
5	QPSK	701.5	25	0	5.052	/	Pass
		707.5	25	0	5.039	/	Pass
		713.5	25	0	5.068	/	Pass

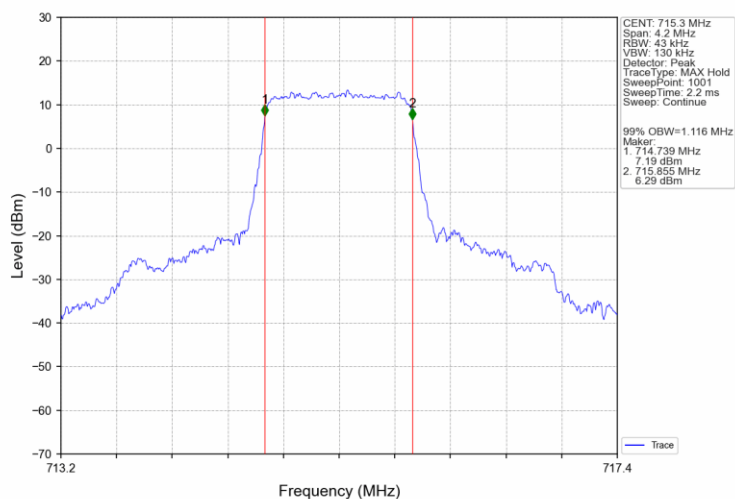
10	16QAM	701.5	25	0	5.072	/	Pass
		707.5	25	0	5.042	/	Pass
		713.5	25	0	5.046	/	Pass
	QPSK	704	50	0	9.949	/	Pass
		707.5	50	0	9.890	/	Pass
		711	50	0	9.938	/	Pass
	16QAM	704	27	0	6.142	/	Pass
		707.5	27	0	6.070	/	Pass
		711	27	23	6.086	/	Pass

4.2 Test Graph

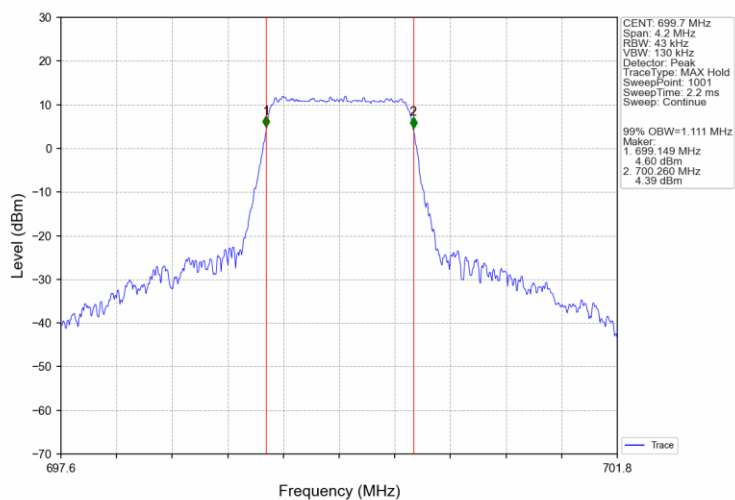
4.2.1 Band12_OBW



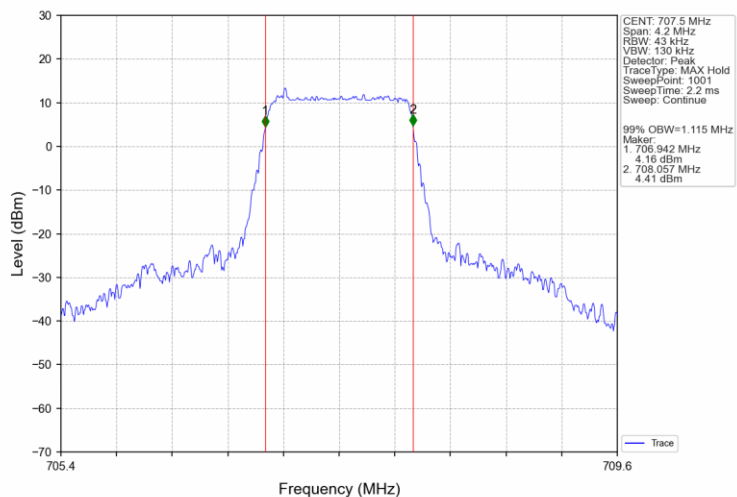
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



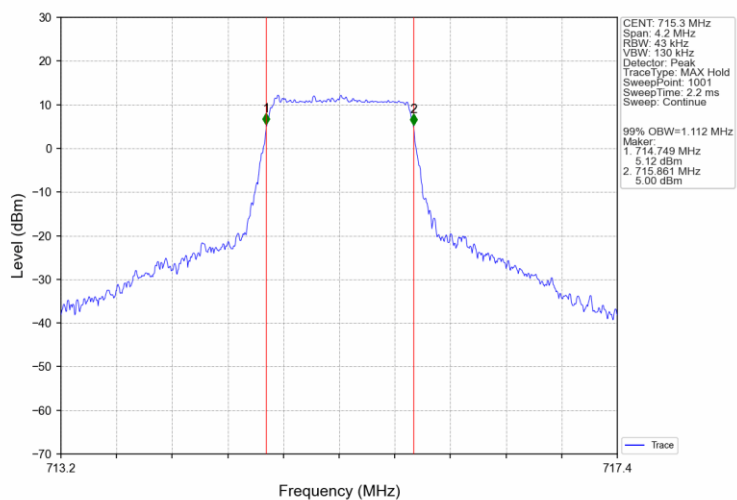
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



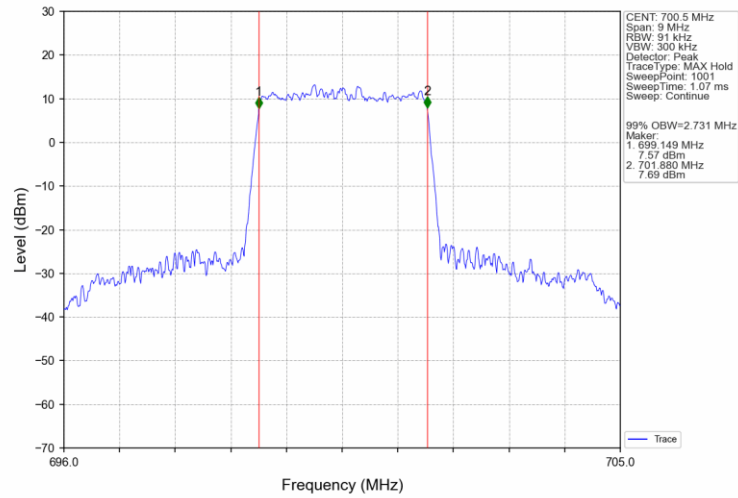
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



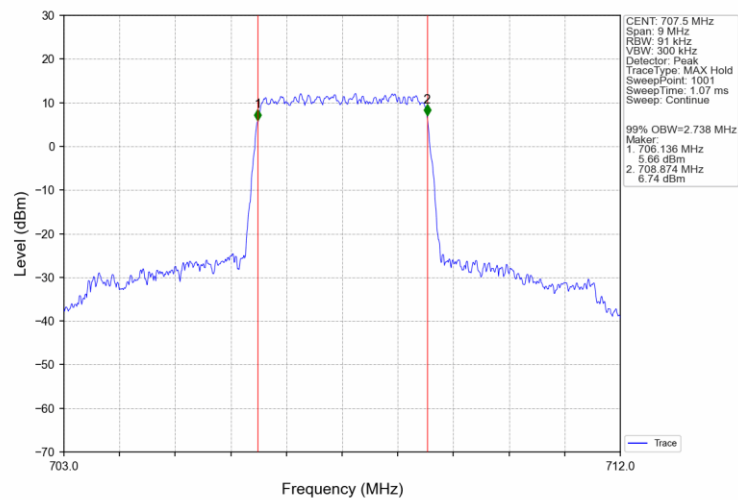
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



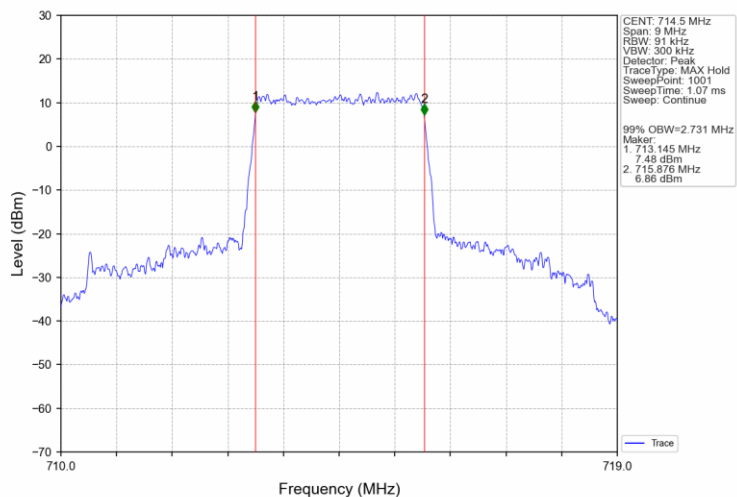
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



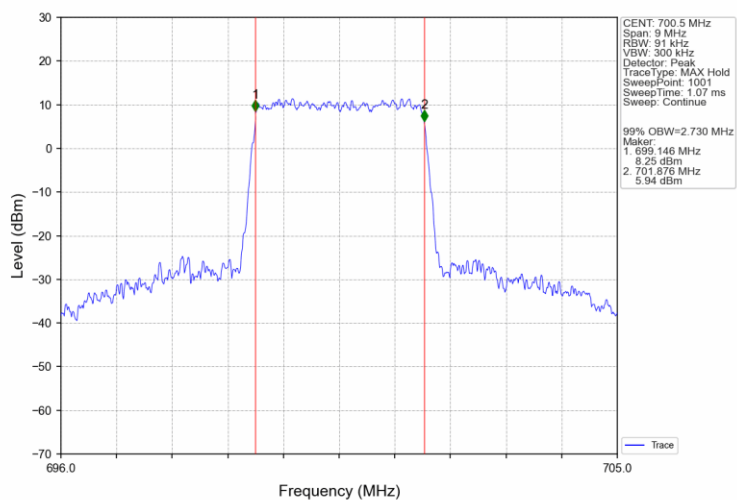
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



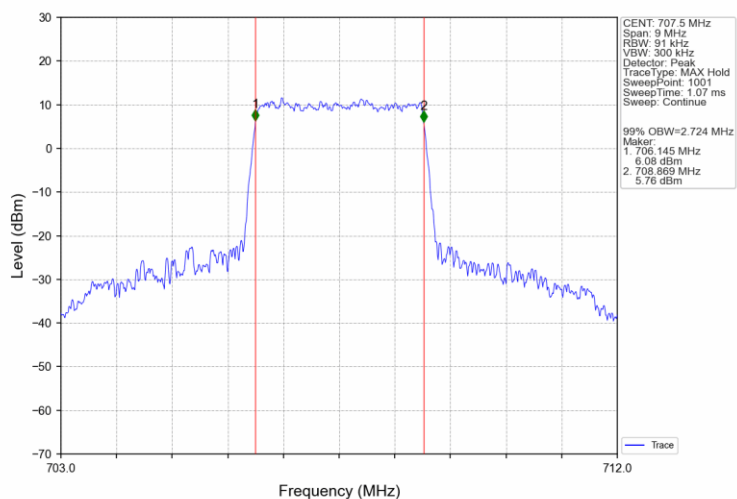
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



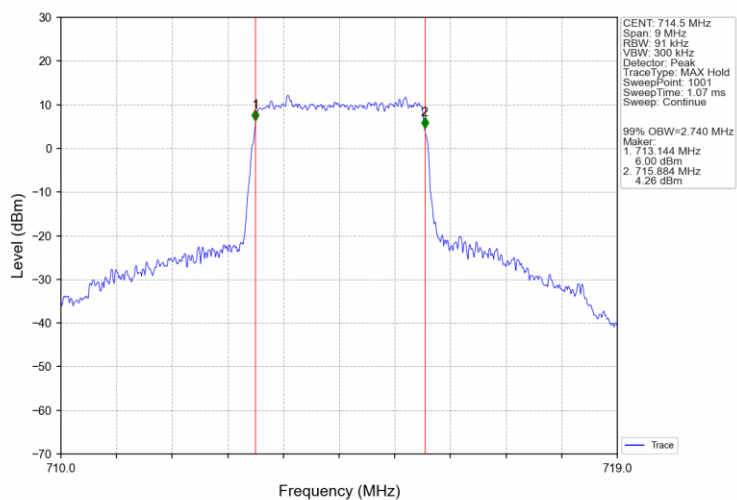
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



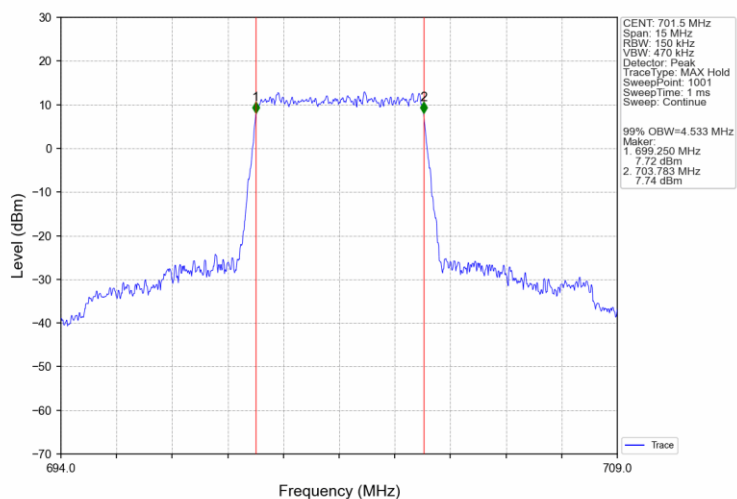
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



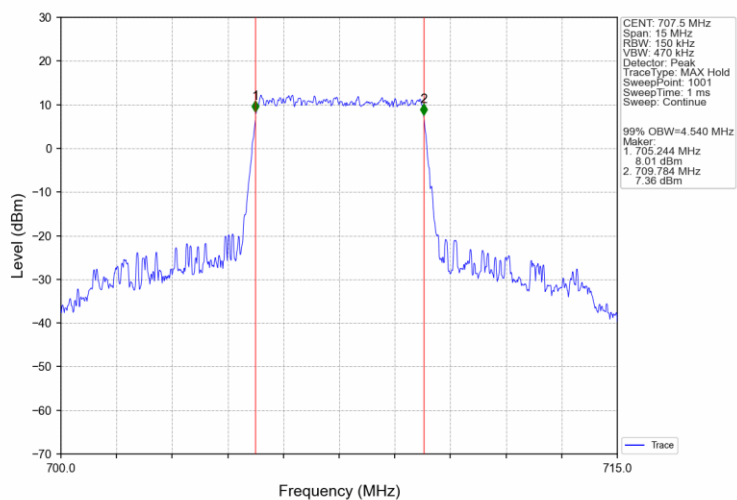
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



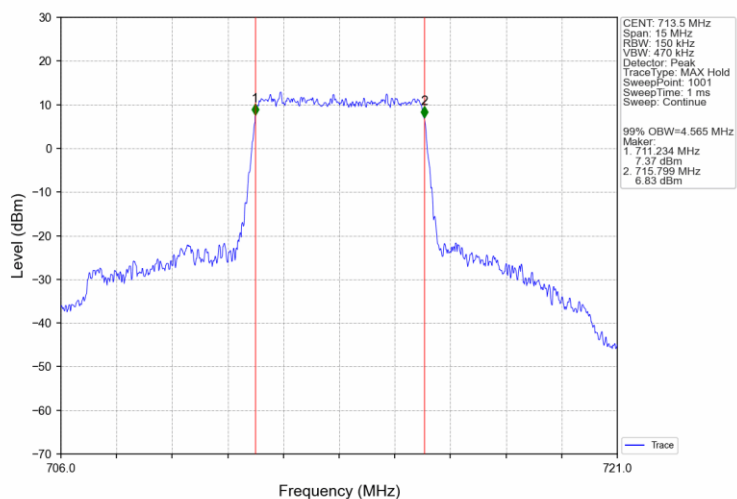
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



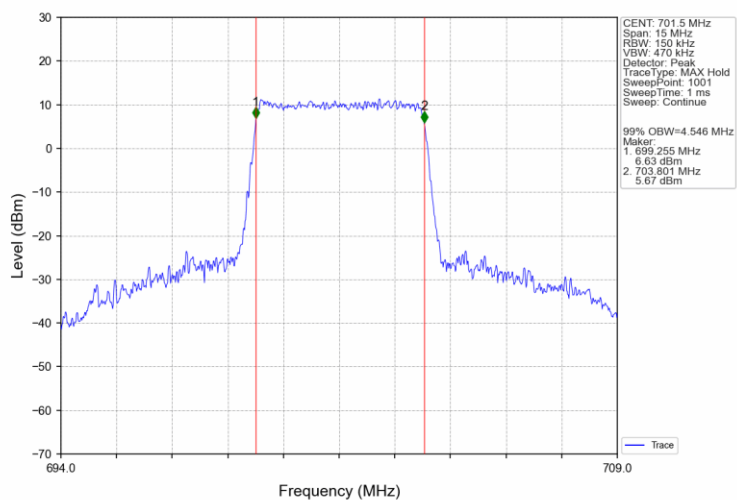
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



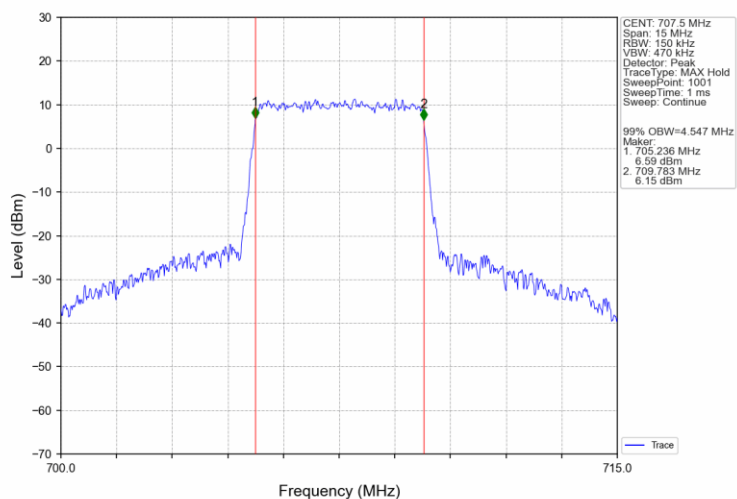
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



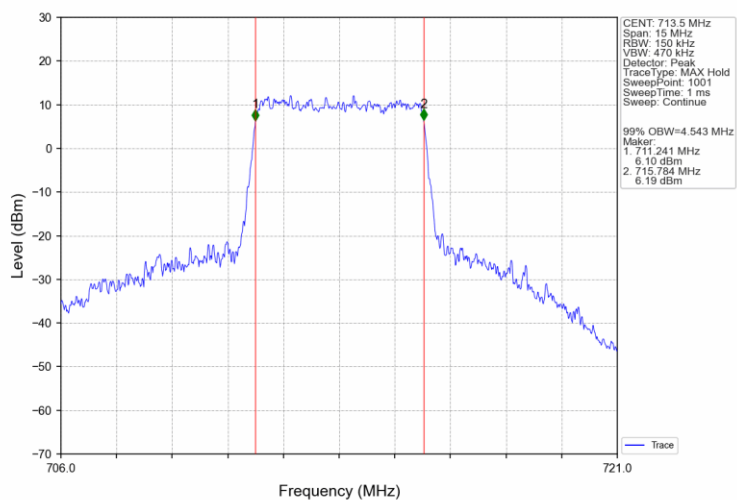
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



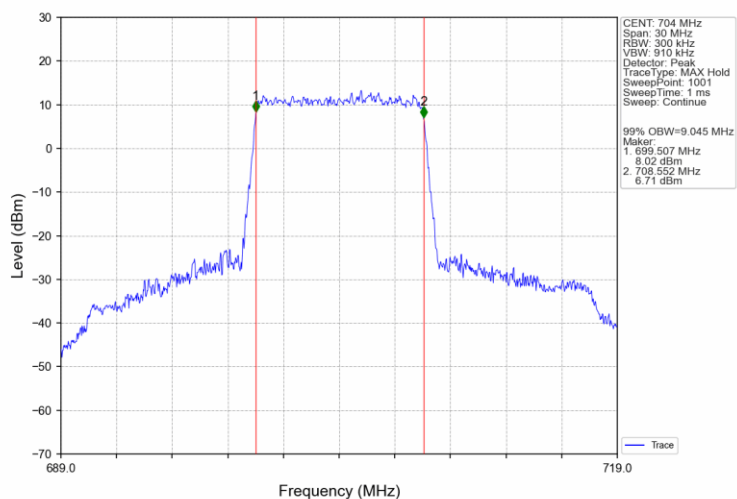
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



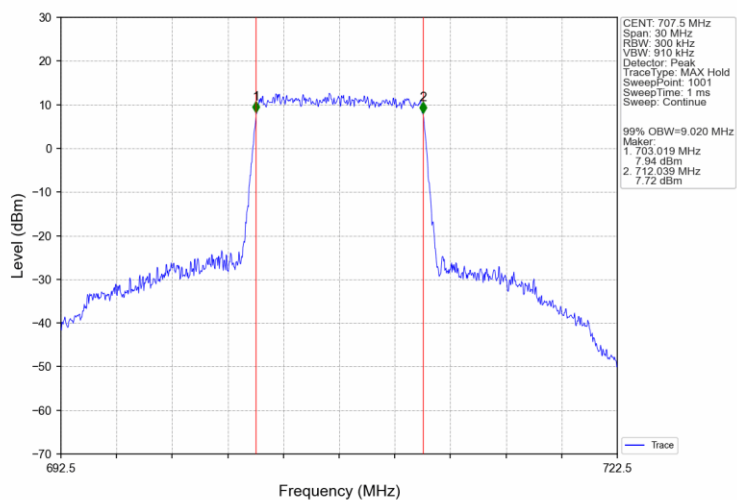
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



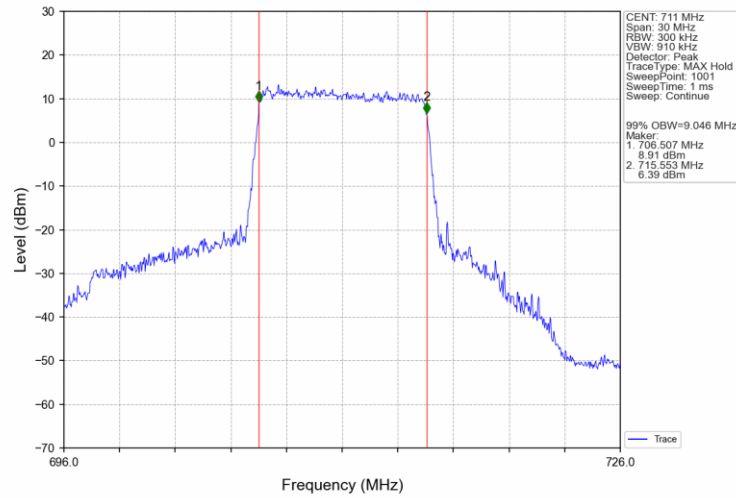
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



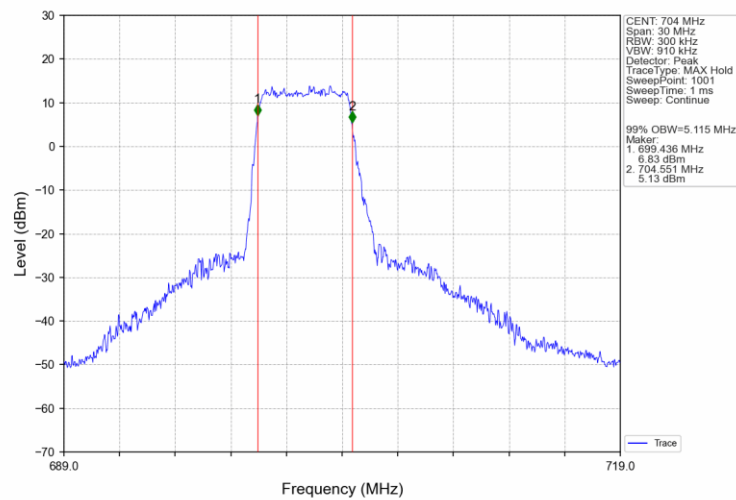
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



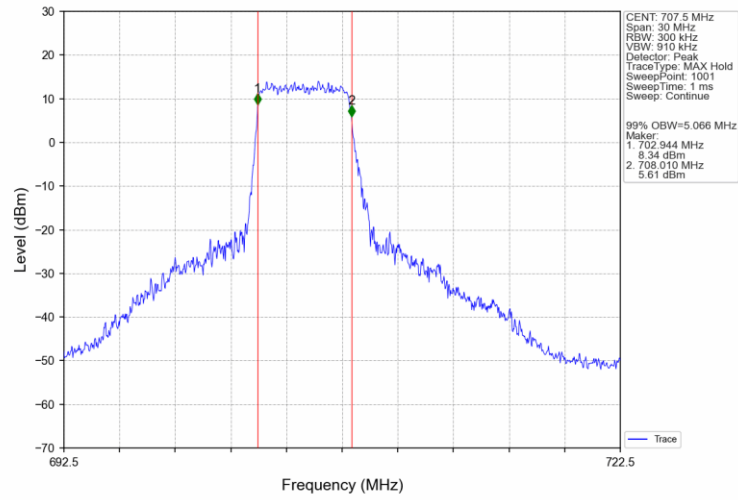
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



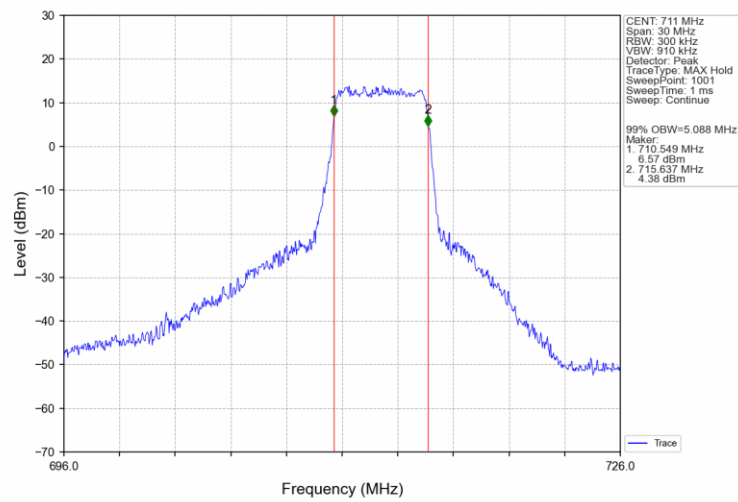
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 27 0 NTN

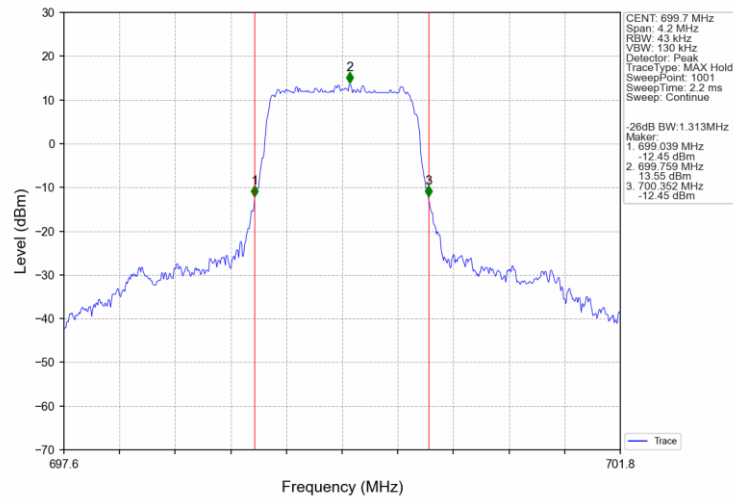


Band12 10MHz 16QAM HCH 711MHz RB 27 23 NTN

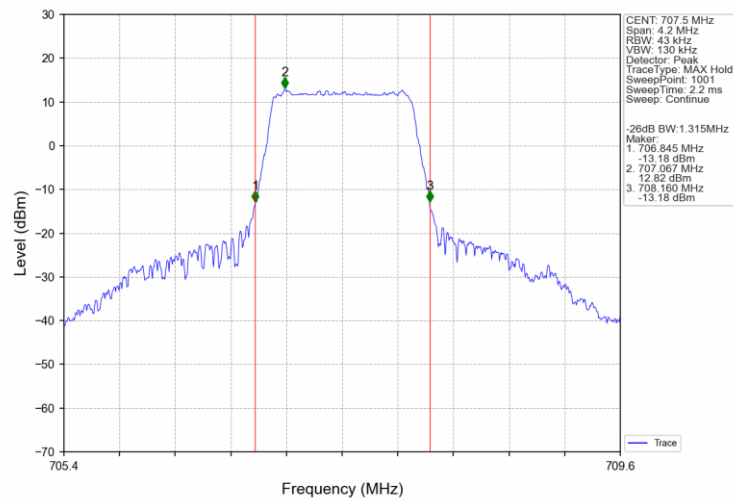


4.2.2 Band12_XDB

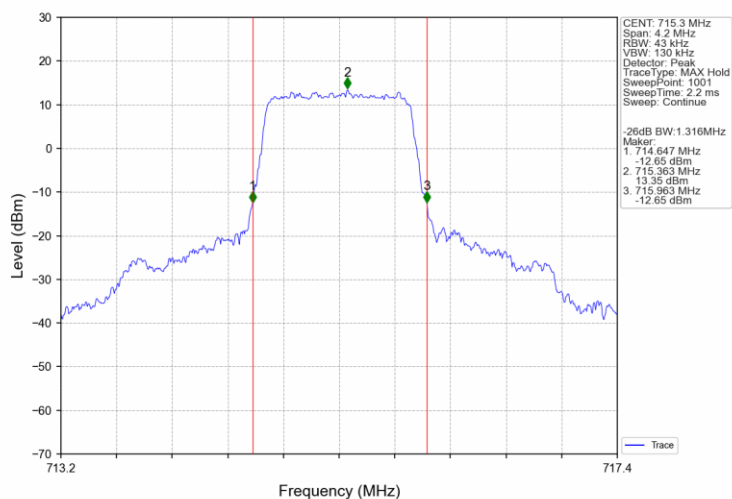
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



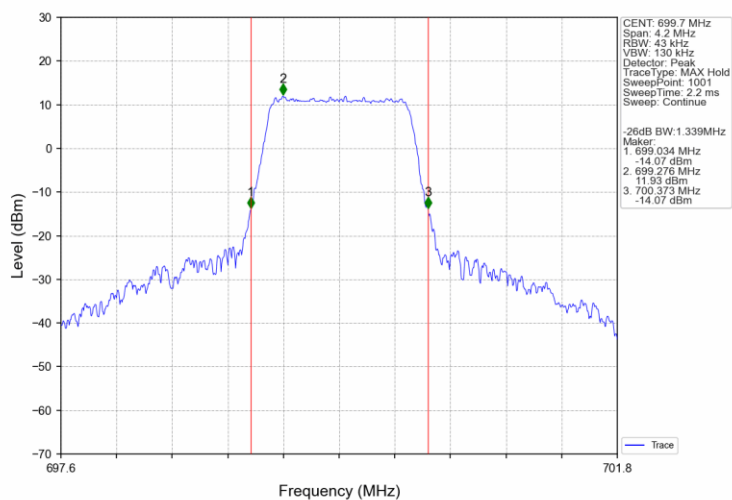
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



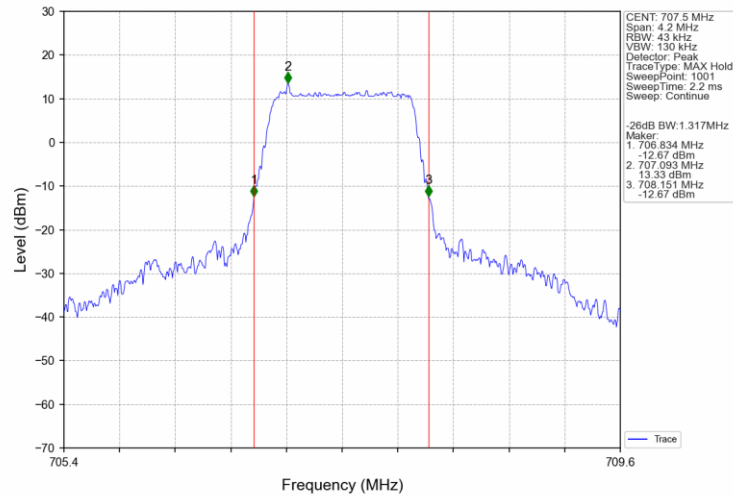
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



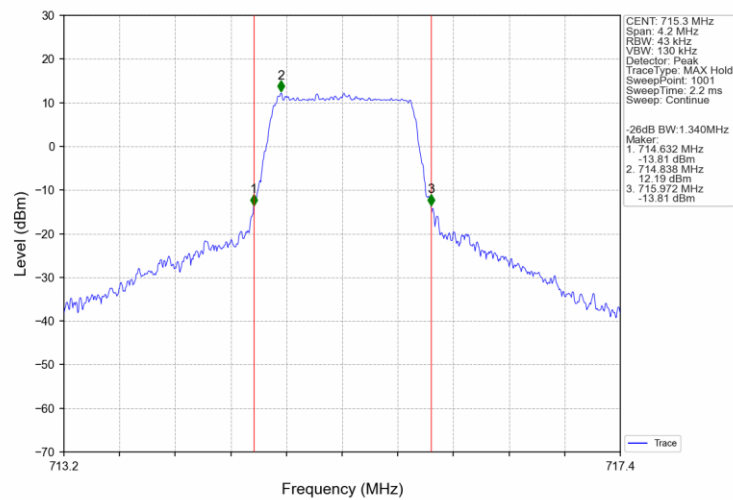
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



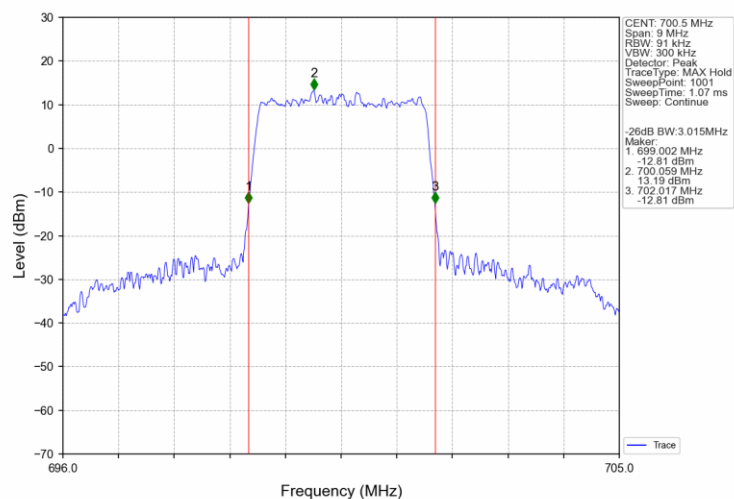
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



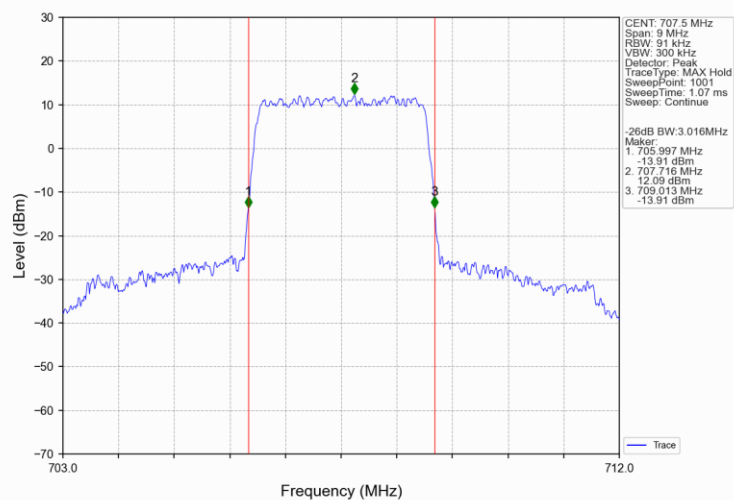
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



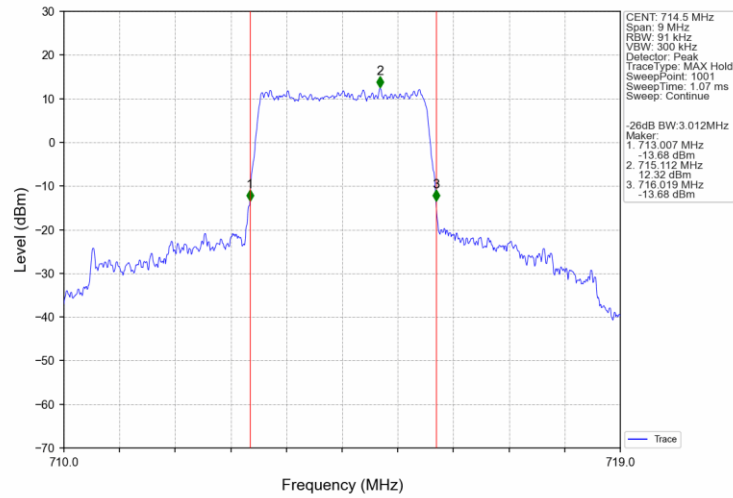
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



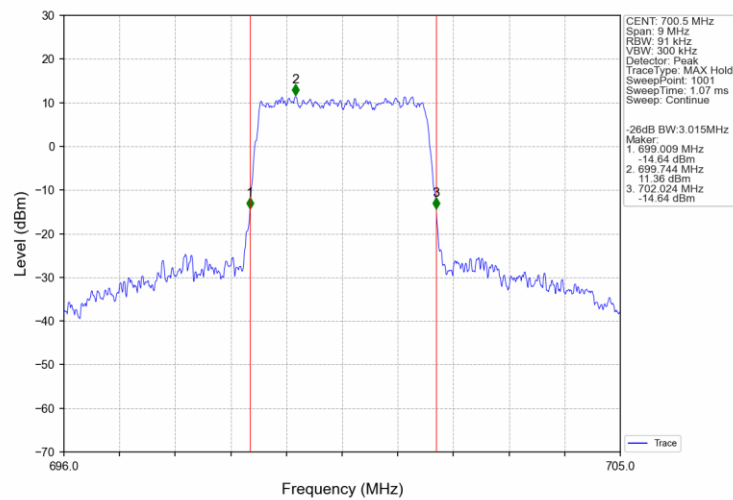
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



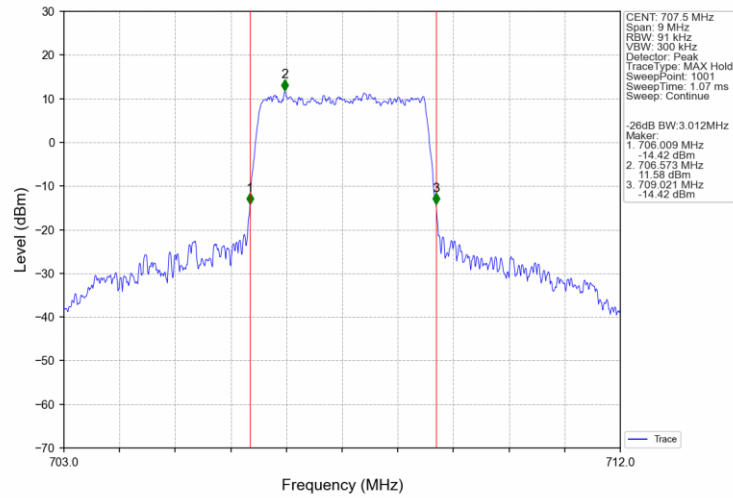
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



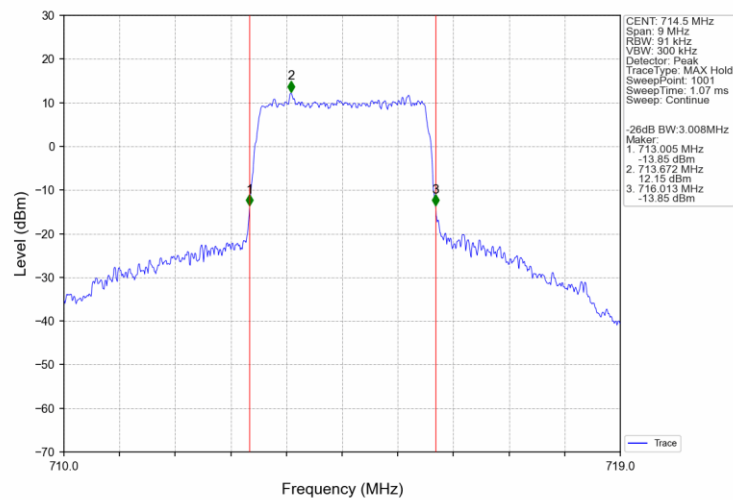
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



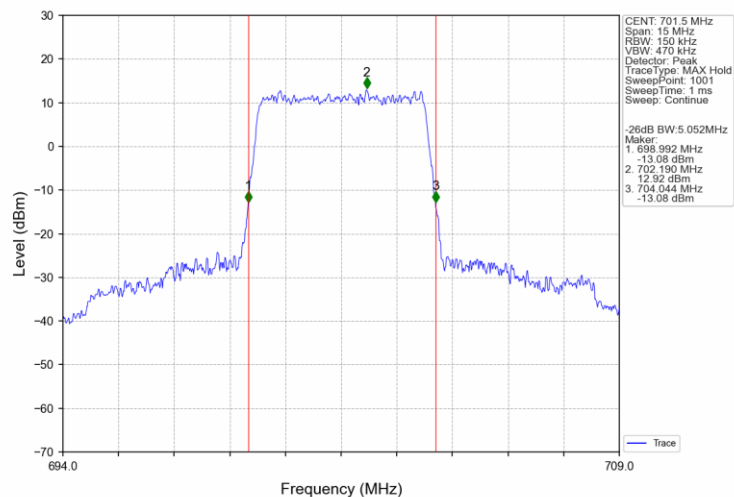
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



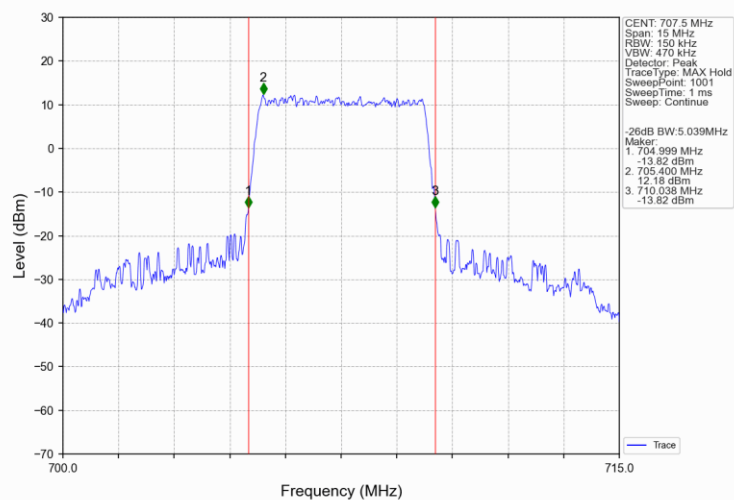
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



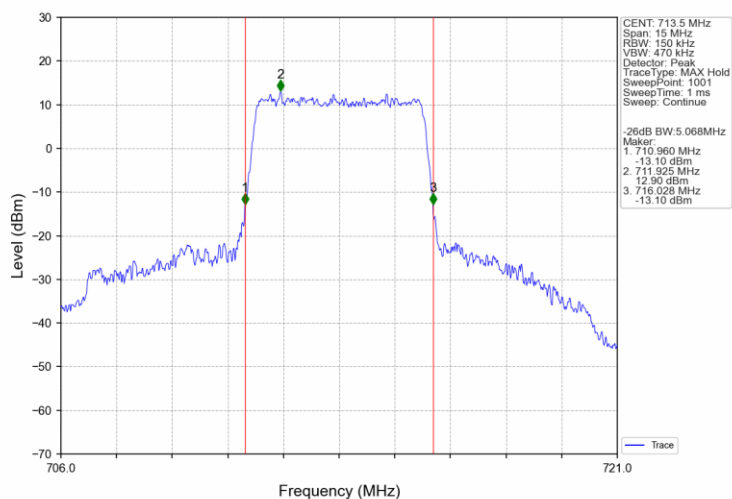
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



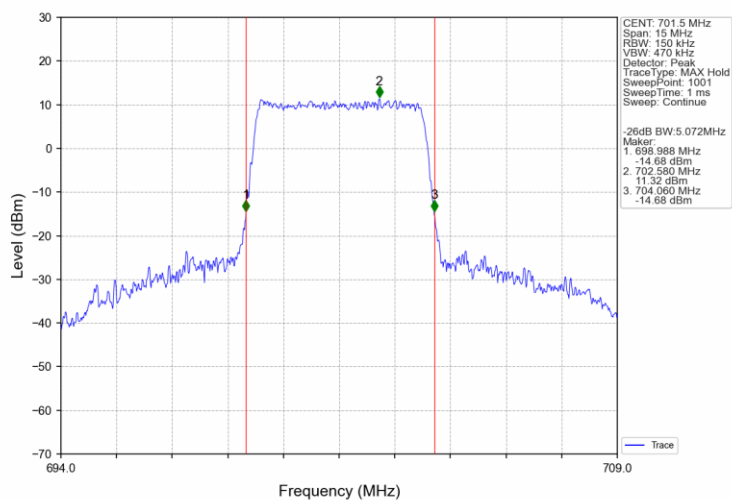
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



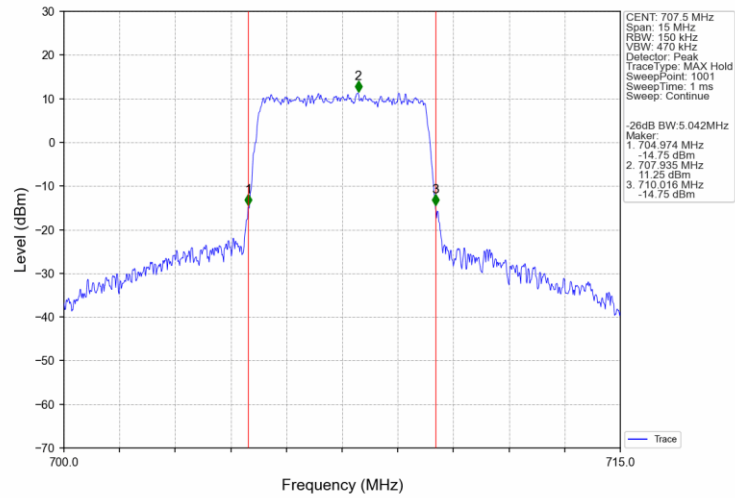
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



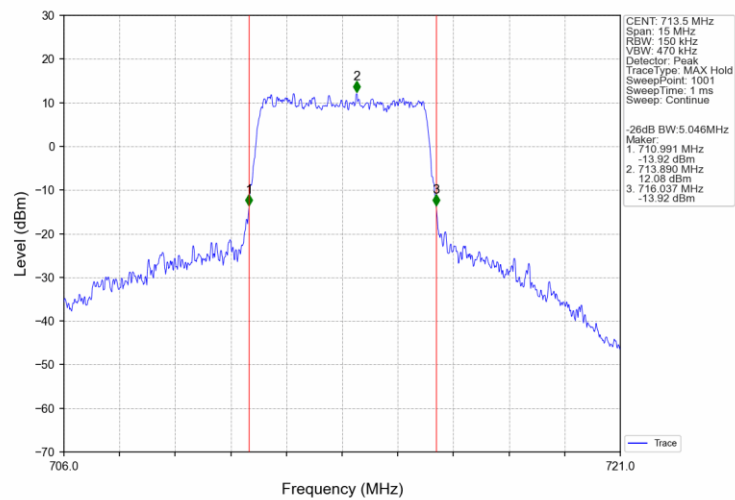
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



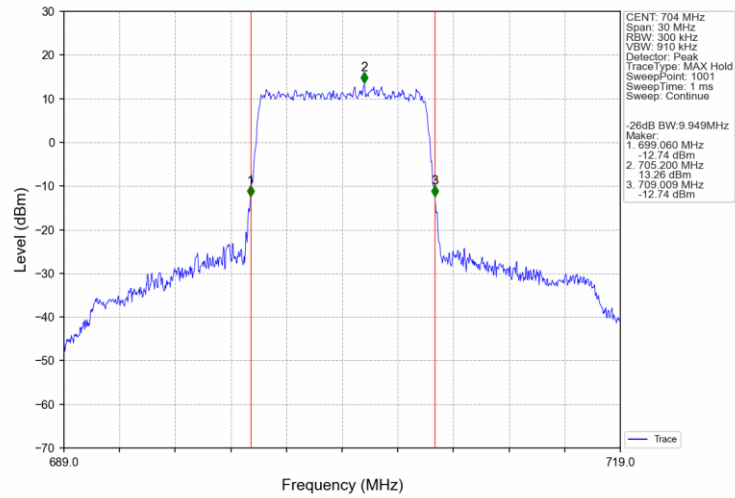
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



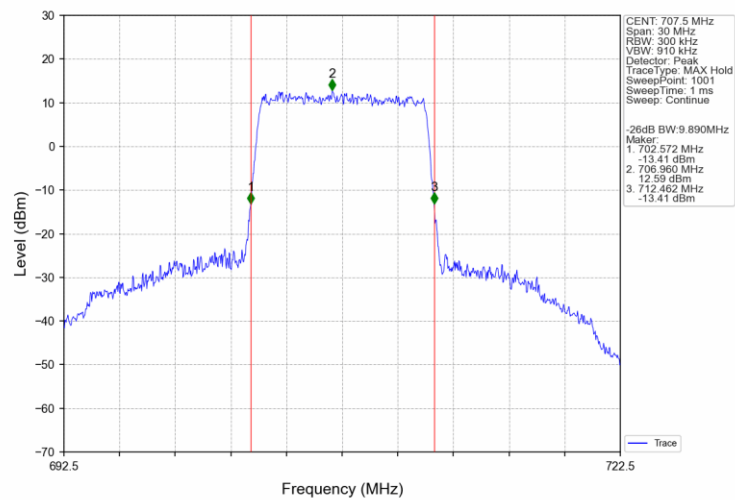
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



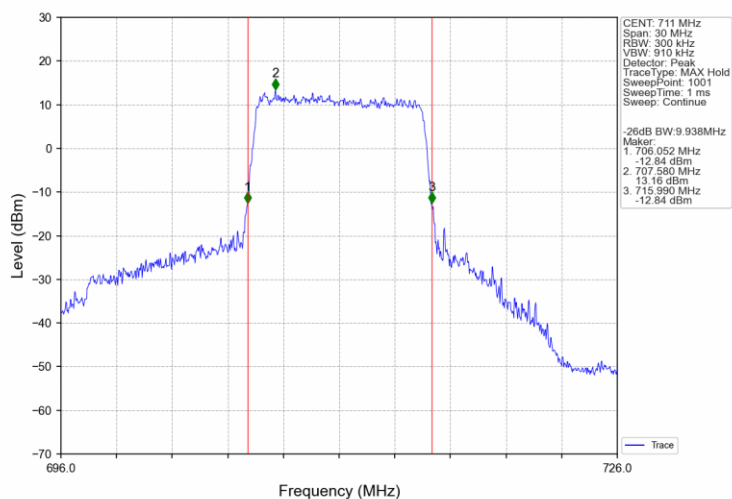
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTV



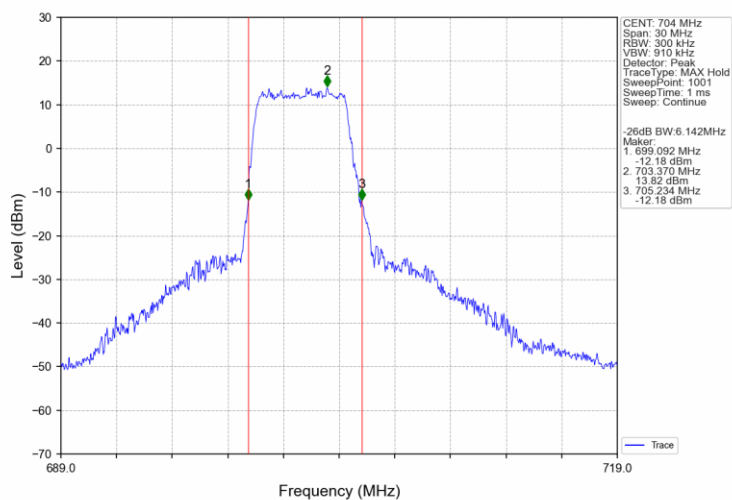
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



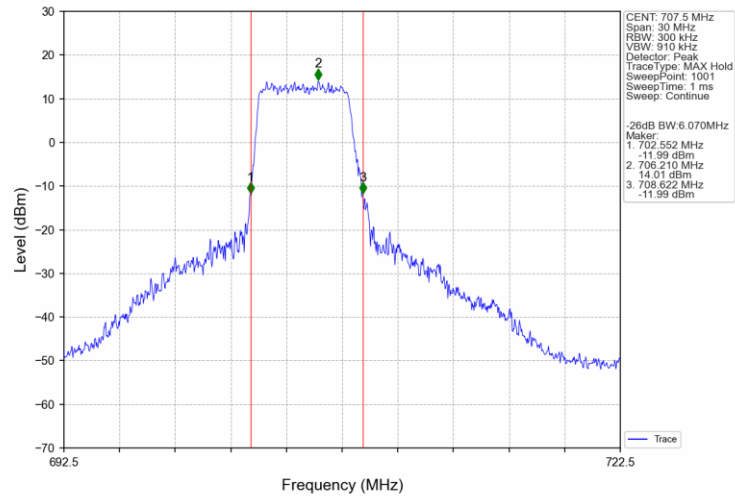
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



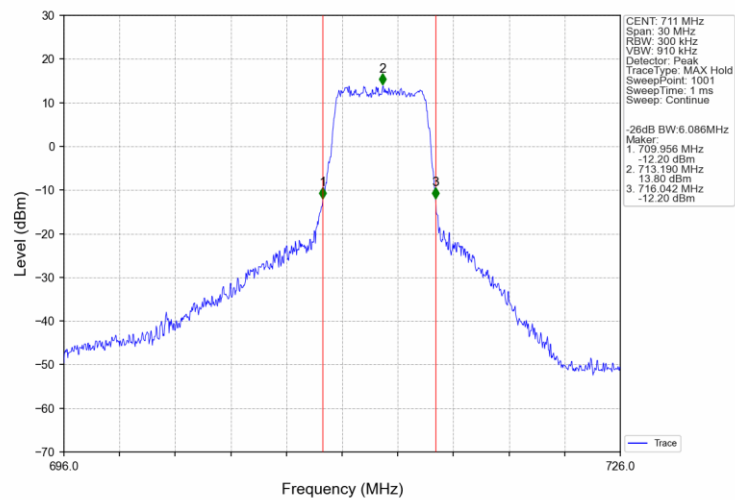
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 27 0 NTN



Band12 10MHz 16QAM HCH 711MHz RB 27 23 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	5.11	<=13	Pass
	707.5	6	0	4.91	<=13	Pass
	715.3	6	0	4.31	<=13	Pass
16QAM	699.7	6	0	5.90	<=13	Pass
	707.5	6	0	5.77	<=13	Pass
	715.3	6	0	5.09	<=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	5.26	<=13	Pass
	707.5	15	0	5.13	<=13	Pass
	714.5	15	0	4.73	<=13	Pass
16QAM	700.5	15	0	6.06	<=13	Pass
	707.5	15	0	5.96	<=13	Pass
	714.5	15	0	5.53	<=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	5.38	<=13	Pass
	707.5	25	0	5.38	<=13	Pass
	713.5	25	0	5.27	<=13	Pass
16QAM	701.5	25	0	6.14	<=13	Pass
	707.5	25	0	6.02	<=13	Pass
	713.5	25	0	5.92	<=13	Pass

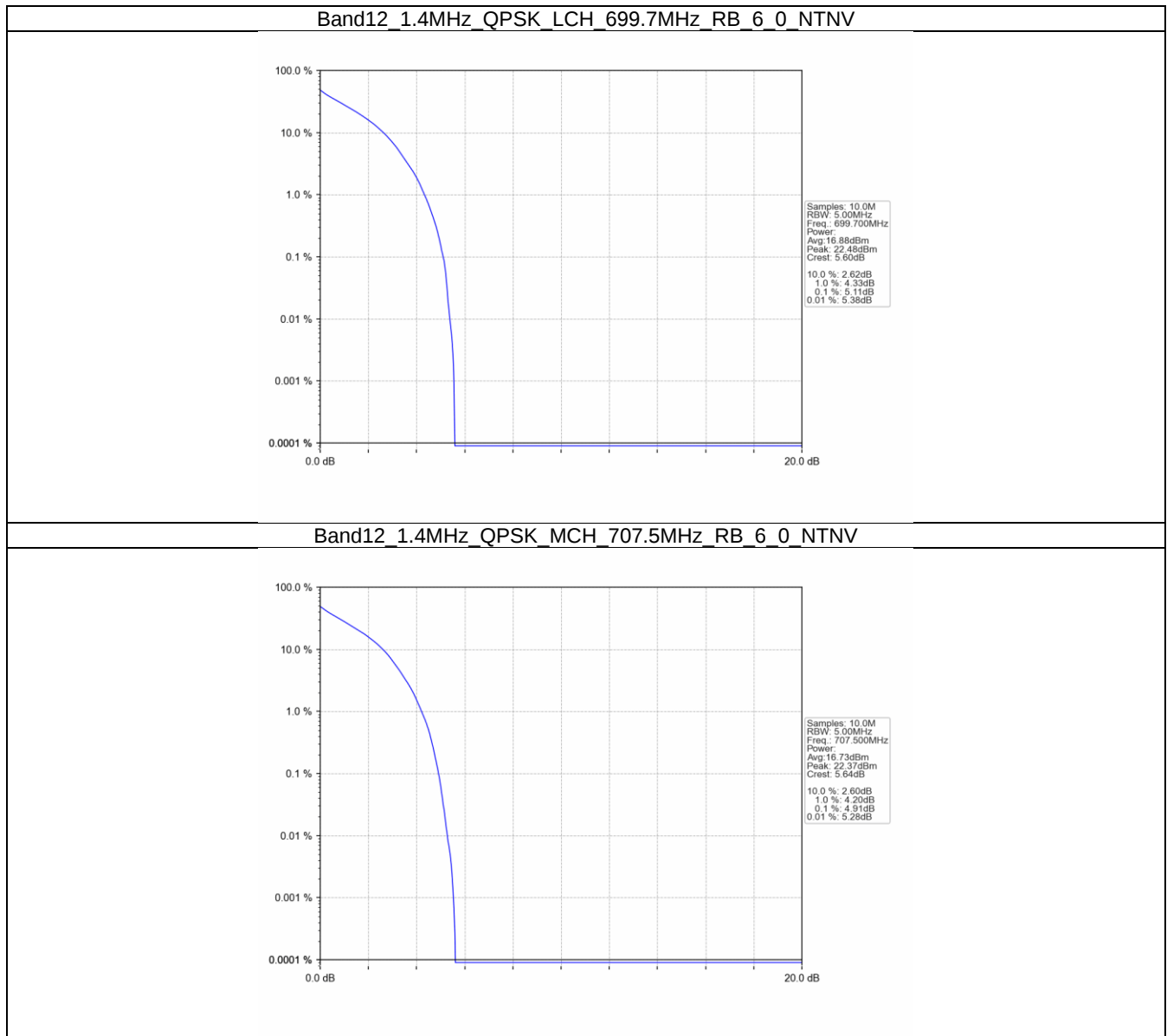
5.1.4 B12_10MHz

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	5.32	<=13	Pass
	711	50	0	5.27	<=13	Pass
16QAM	704	27	0	6.05	<=13	Pass
	707.5	27	0	5.97	<=13	Pass
	711	27	23	5.85	<=13	Pass

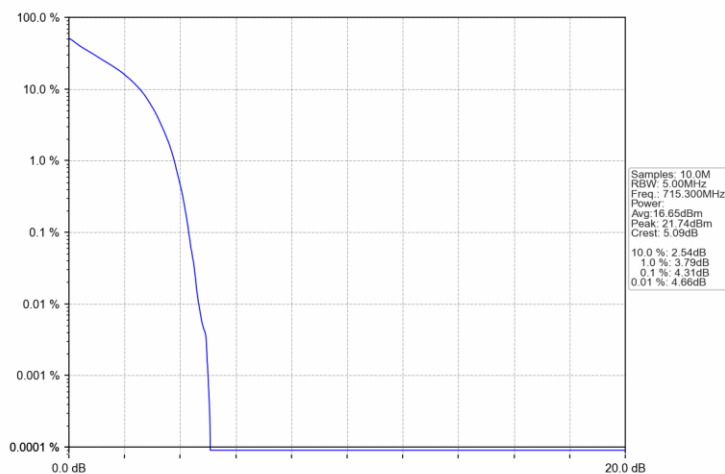


5.2 Test Graph

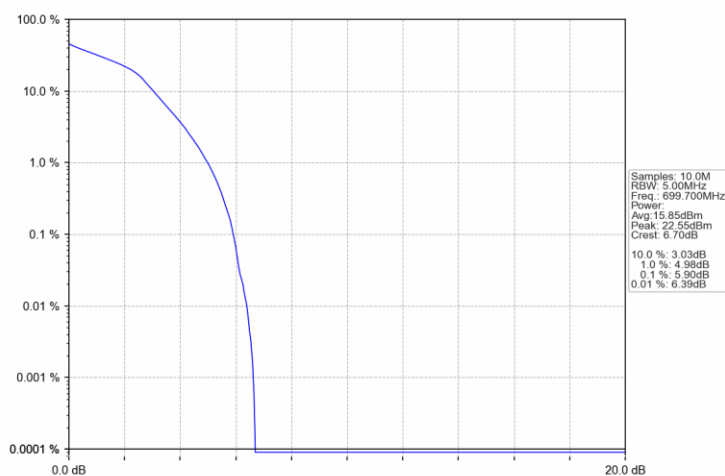
5.2.1 B12_1.4MHz



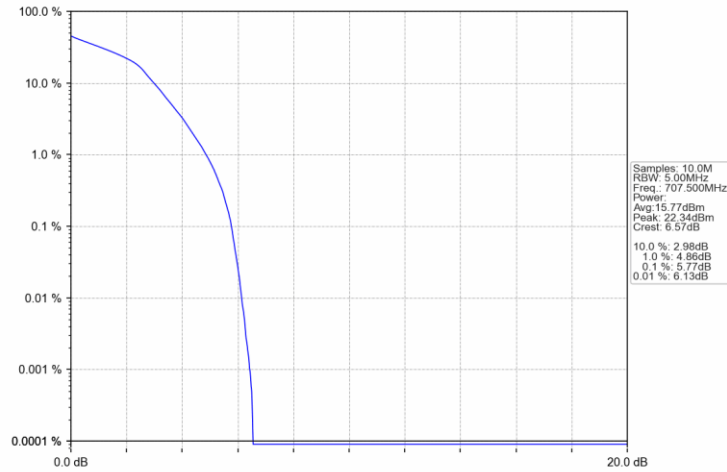
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



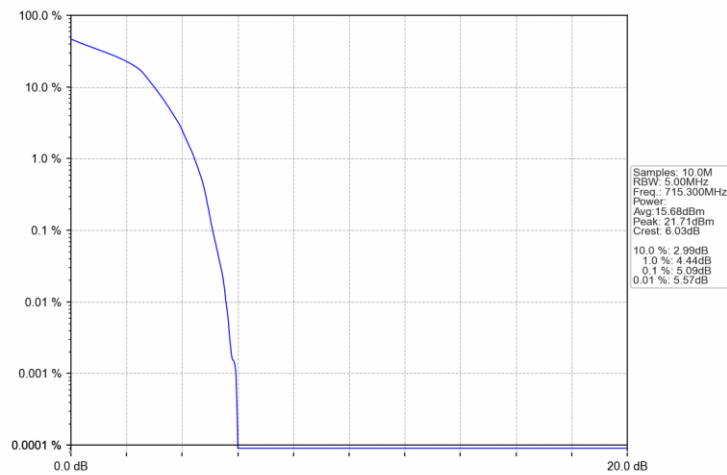
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



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

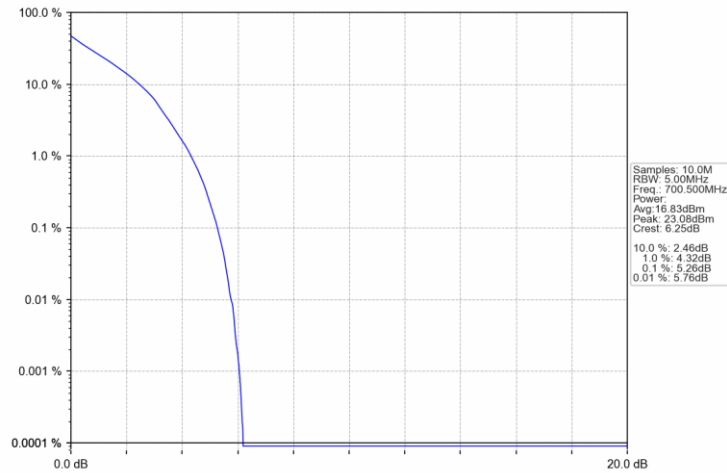


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

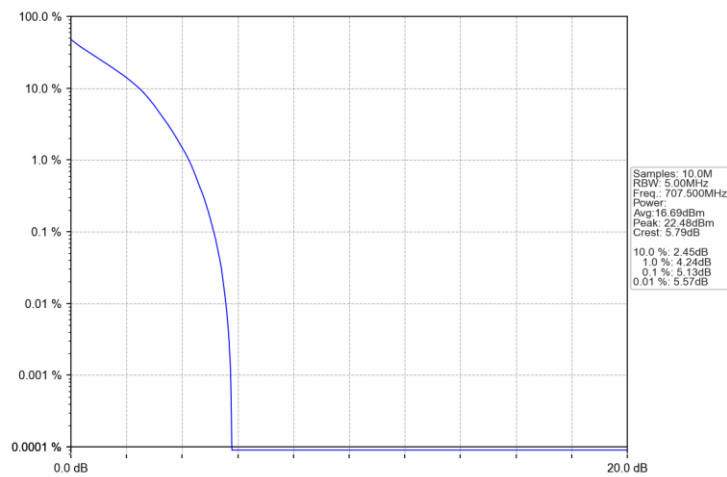


5.2.2 B12_3MHz

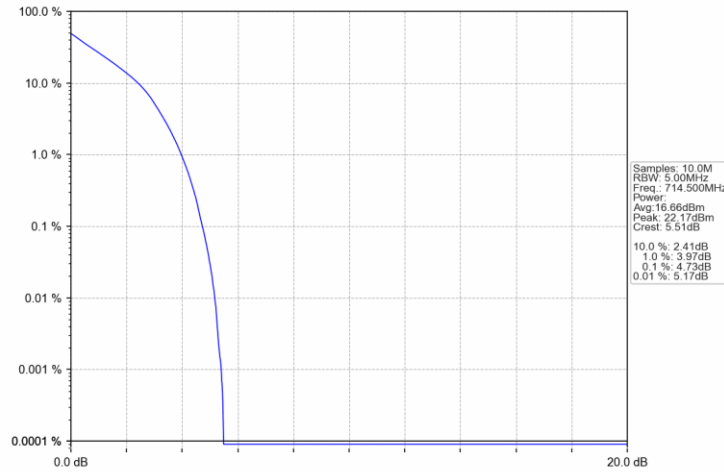
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



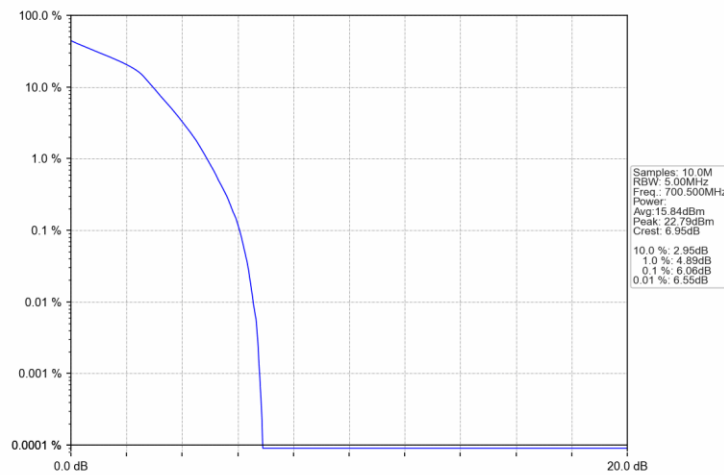
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



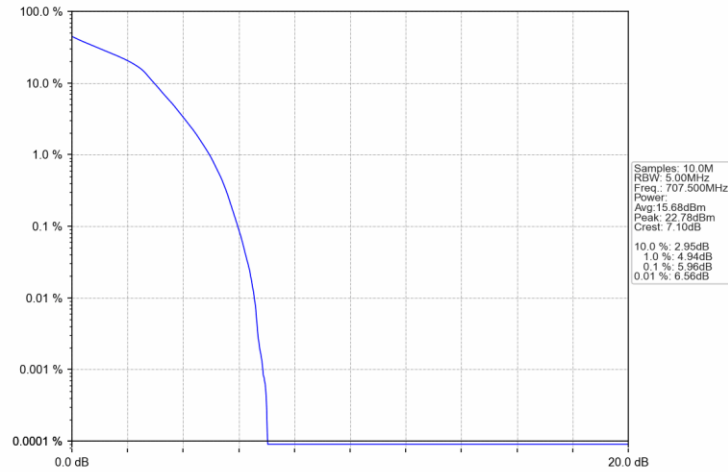
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



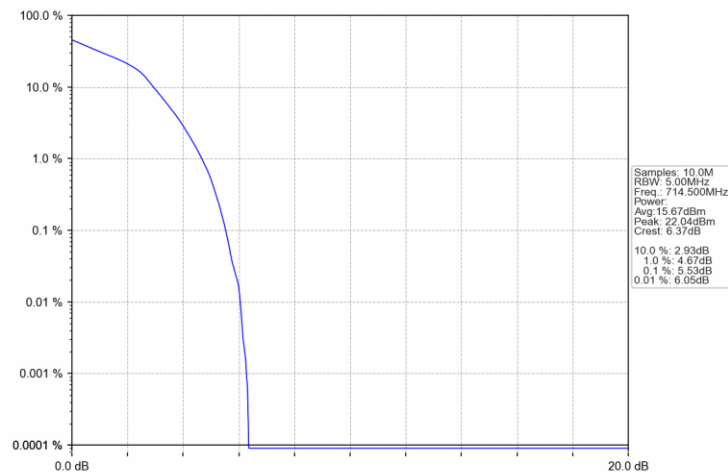
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



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

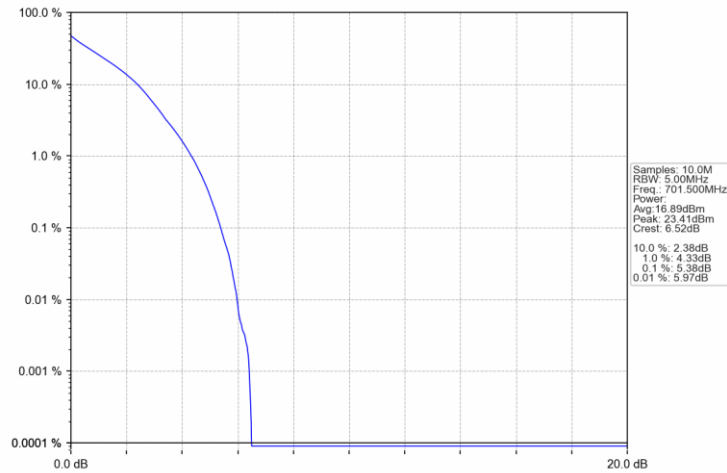


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV

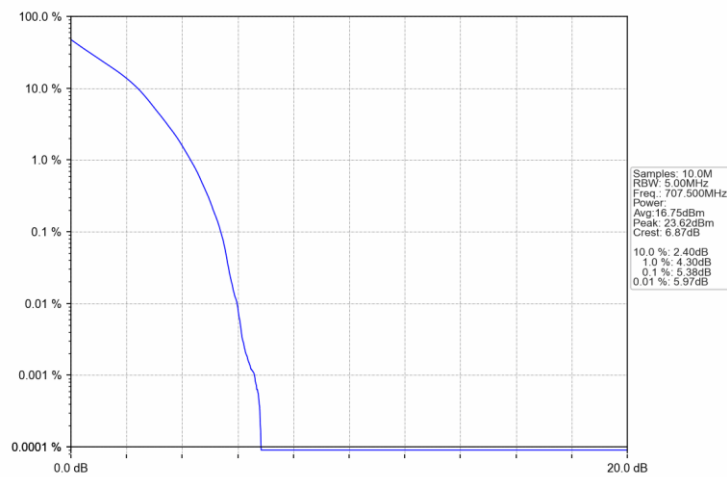


5.2.3 B12_5MHz

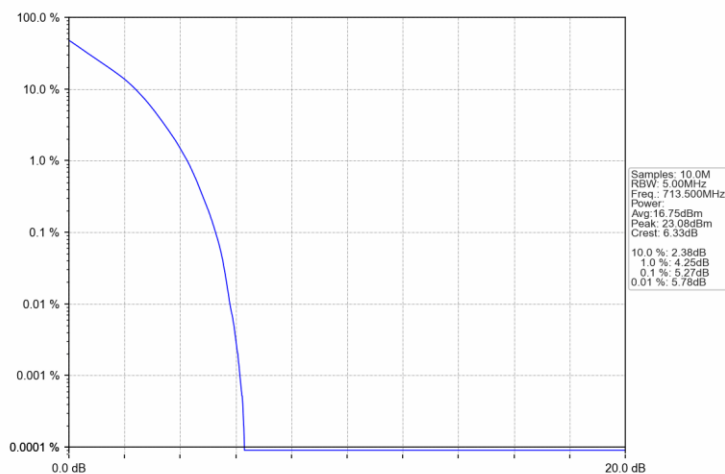
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



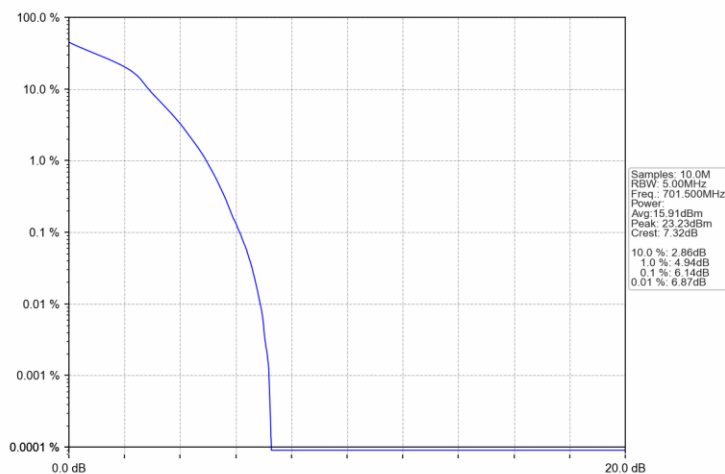
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



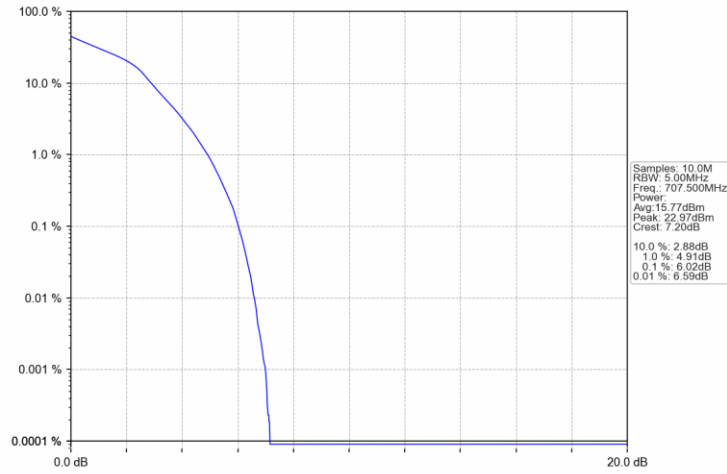
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



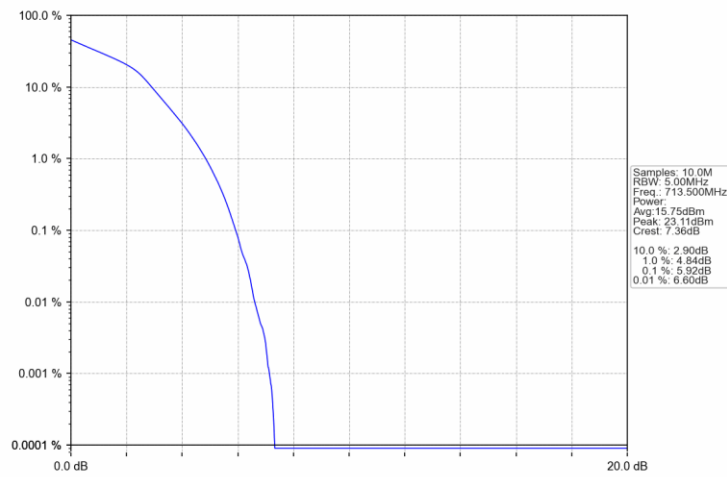
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



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

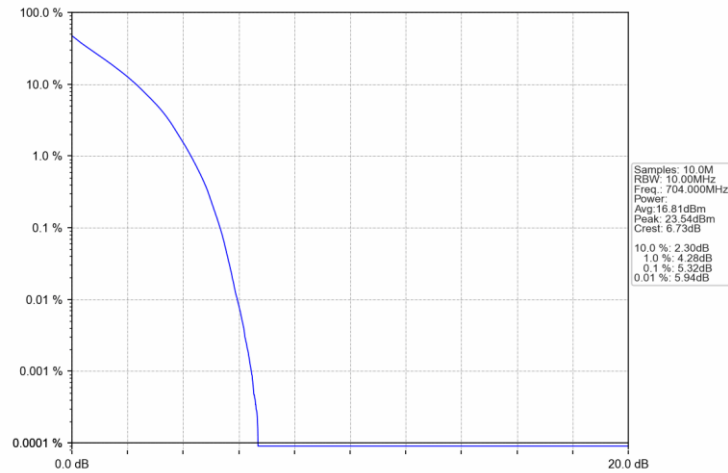


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTVN

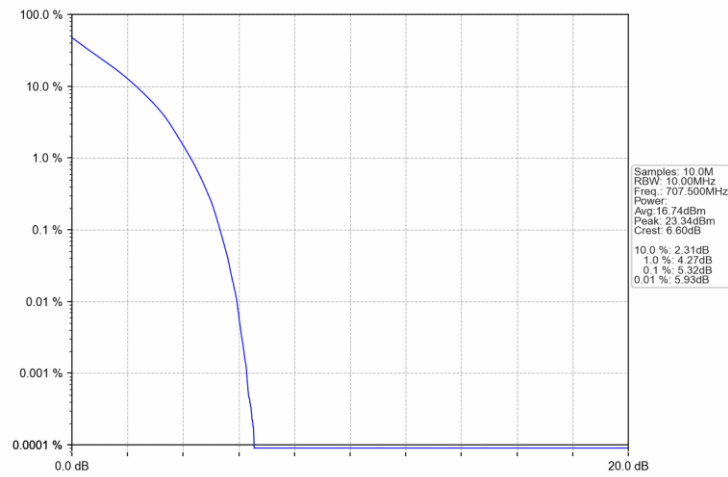


5.2.4 B12_10MHz

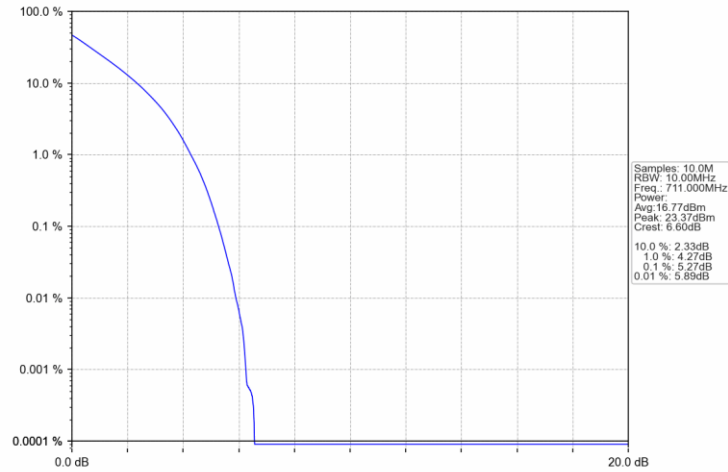
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



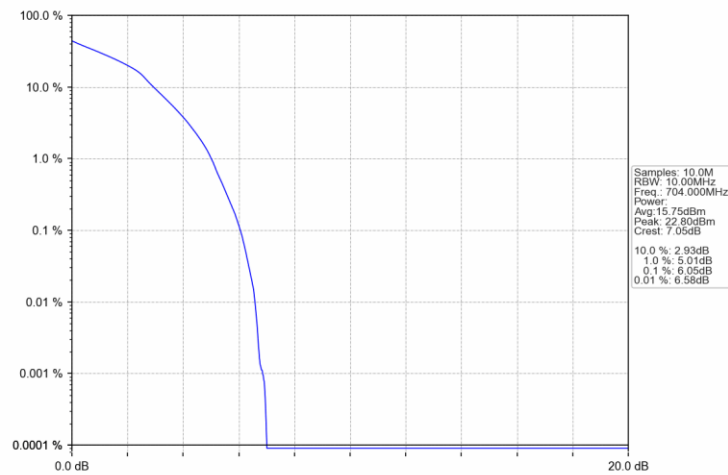
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



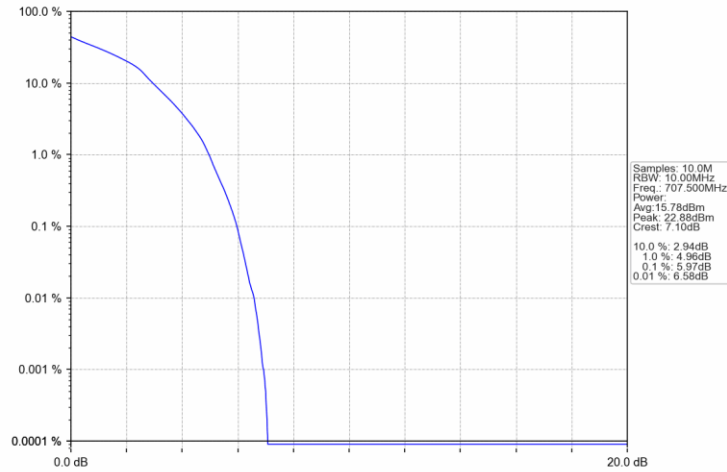
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



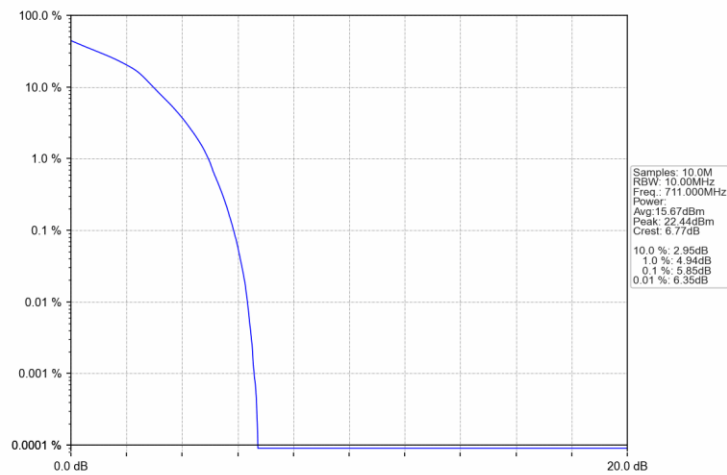
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 27 0 NTN



Band12 10MHz 16QAM HCH 711MHz RB 27 23 NTN



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

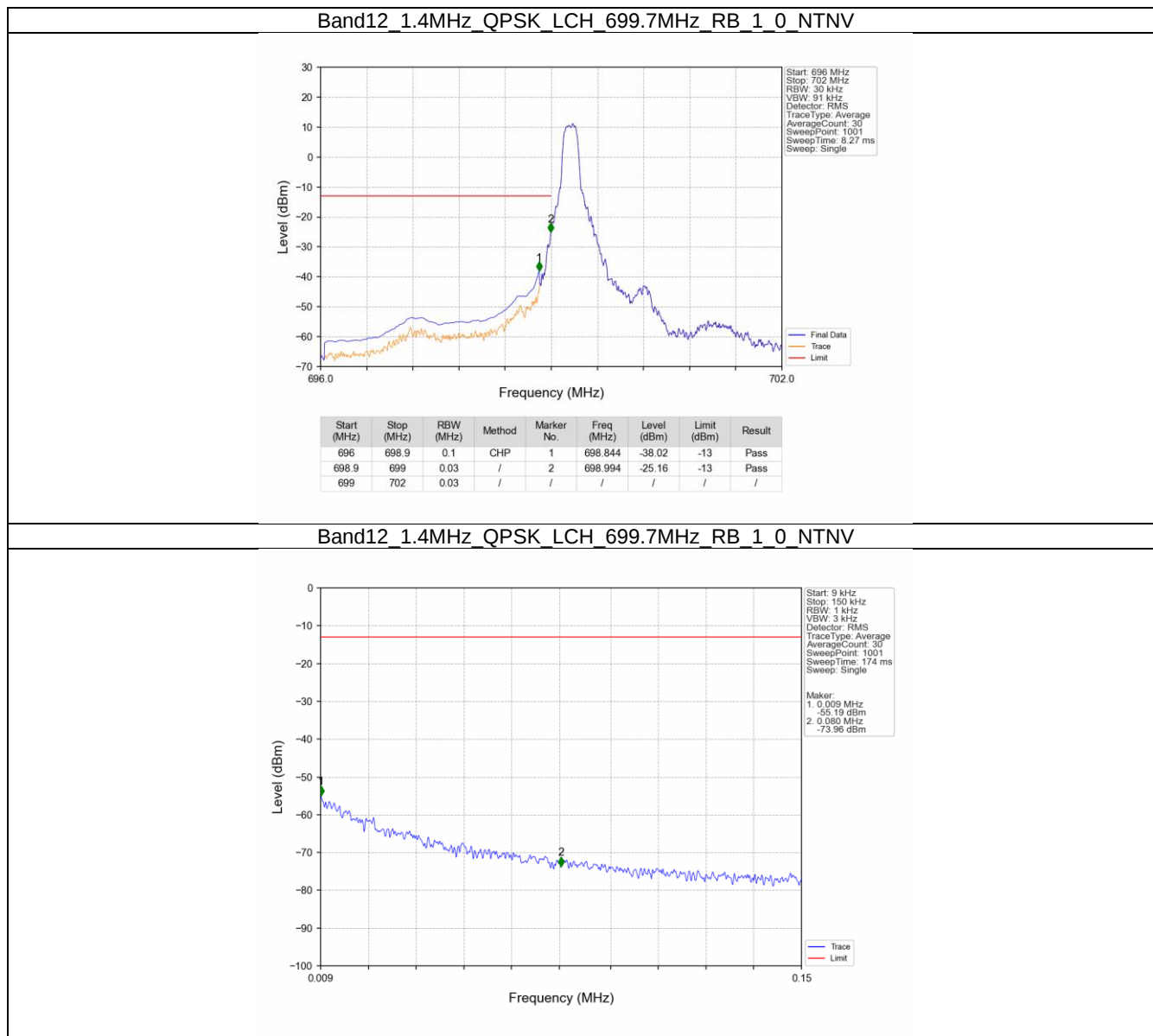
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

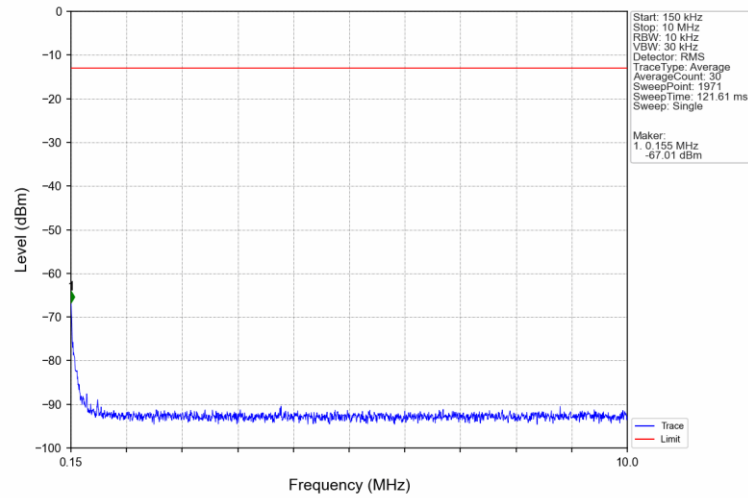
Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
	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

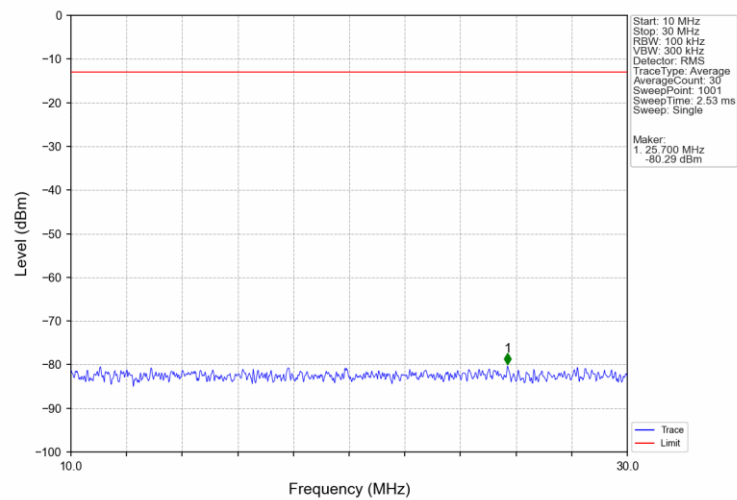
6.2.1 B12_1.4MHz



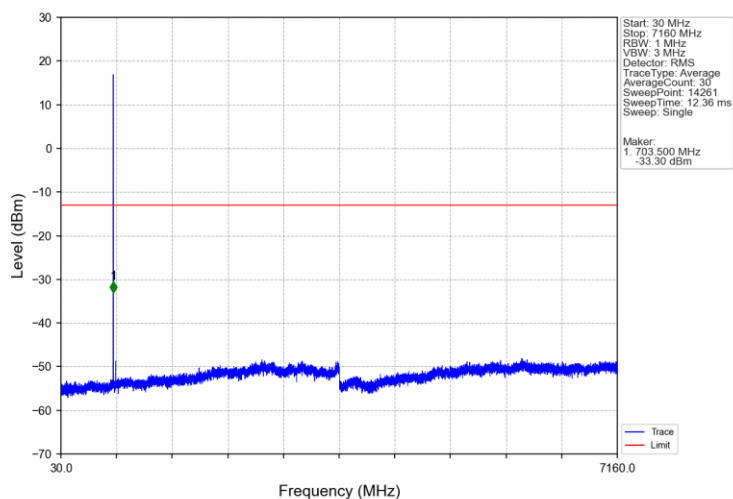
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



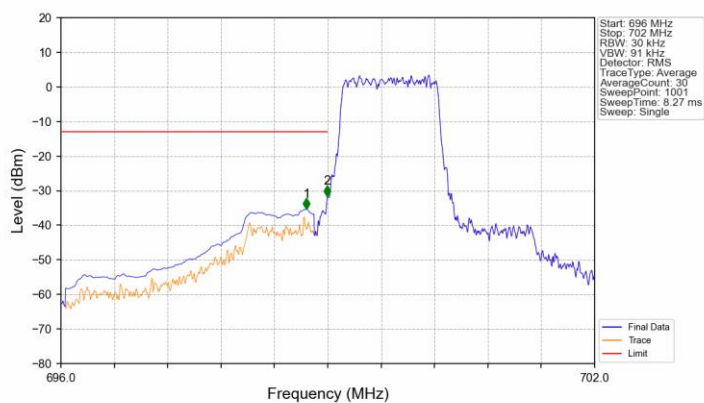
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



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	698.760	-35.34	-13	Pass
698.9	699	0.03	/	2	698.994	-31.59	-13	Pass
699	702	0.03	/	/	/	/	/	/