

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	23.50	-1.72	19.63	<=34.77	Pass
			2	23.52	-1.72	19.65	<=34.77	Pass
			5	23.55	-1.72	19.68	<=34.77	Pass
		3	0	23.57	-1.72	19.70	<=34.77	Pass
			2	23.62	-1.72	19.75	<=34.77	Pass
			3	23.60	-1.72	19.73	<=34.77	Pass
		6	0	22.56	-1.72	18.69	<=34.77	Pass
	707.5	1	0	23.59	-1.72	19.72	<=34.77	Pass
			2	23.61	-1.72	19.74	<=34.77	Pass
			5	23.60	-1.72	19.73	<=34.77	Pass
		3	0	23.59	-1.72	19.72	<=34.77	Pass
			2	23.56	-1.72	19.69	<=34.77	Pass
			3	23.58	-1.72	19.71	<=34.77	Pass
		6	0	22.67	-1.72	18.80	<=34.77	Pass
	715.3	1	0	23.68	-1.72	19.81	<=34.77	Pass
			2	23.67	-1.72	19.80	<=34.77	Pass
			5	23.67	-1.72	19.80	<=34.77	Pass
		3	0	23.80	-1.72	19.93	<=34.77	Pass
			2	23.83	-1.72	19.96	<=34.77	Pass
			3	23.81	-1.72	19.94	<=34.77	Pass
		6	0	22.77	-1.72	18.90	<=34.77	Pass
16QAM	699.7	1	0	22.69	-1.72	18.82	<=34.77	Pass
			2	22.77	-1.72	18.90	<=34.77	Pass
			5	22.76	-1.72	18.89	<=34.77	Pass
		3	0	22.45	-1.72	18.58	<=34.77	Pass
			2	22.49	-1.72	18.62	<=34.77	Pass
			3	22.45	-1.72	18.58	<=34.77	Pass
		6	0	21.44	-1.72	17.57	<=34.77	Pass
	707.5	1	0	22.53	-1.72	18.66	<=34.77	Pass
			2	22.56	-1.72	18.69	<=34.77	Pass
			5	22.48	-1.72	18.61	<=34.77	Pass
		3	0	22.58	-1.72	18.71	<=34.77	Pass
			2	22.54	-1.72	18.67	<=34.77	Pass
			3	22.56	-1.72	18.69	<=34.77	Pass
		6	0	21.68	-1.72	17.81	<=34.77	Pass
	715.3	1	0	22.92	-1.72	19.05	<=34.77	Pass
			2	22.94	-1.72	19.07	<=34.77	Pass
			5	22.91	-1.72	19.04	<=34.77	Pass
		3	0	22.70	-1.72	18.83	<=34.77	Pass
			2	22.73	-1.72	18.86	<=34.77	Pass
			3	22.66	-1.72	18.79	<=34.77	Pass
		6	0	21.66	-1.72	17.79	<=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	23.55	-1.72	19.68	<=34.77	Pass
			7	23.57	-1.72	19.70	<=34.77	Pass
			14	23.52	-1.72	19.65	<=34.77	Pass
		8	0	22.56	-1.72	18.69	<=34.77	Pass
			4	22.54	-1.72	18.67	<=34.77	Pass
			7	22.52	-1.72	18.65	<=34.77	Pass
		15	0	22.54	-1.72	18.67	<=34.77	Pass
	707.5	1	0	23.61	-1.72	19.74	<=34.77	Pass
			7	23.63	-1.72	19.76	<=34.77	Pass
			14	23.61	-1.72	19.74	<=34.77	Pass
		8	0	22.58	-1.72	18.71	<=34.77	Pass
			4	22.61	-1.72	18.74	<=34.77	Pass
			7	22.61	-1.72	18.74	<=34.77	Pass
		15	0	22.59	-1.72	18.72	<=34.77	Pass
	714.5	1	0	23.76	-1.72	19.89	<=34.77	Pass
			7	23.71	-1.72	19.84	<=34.77	Pass
			14	23.67	-1.72	19.80	<=34.77	Pass
		8	0	22.75	-1.72	18.88	<=34.77	Pass
			4	22.76	-1.72	18.89	<=34.77	Pass
			7	22.75	-1.72	18.88	<=34.77	Pass
		15	0	22.75	-1.72	18.88	<=34.77	Pass
16QAM	700.5	1	0	22.74	-1.72	18.87	<=34.77	Pass
			7	22.74	-1.72	18.87	<=34.77	Pass
			14	22.70	-1.72	18.83	<=34.77	Pass
		8	0	21.55	-1.72	17.68	<=34.77	Pass
			4	21.55	-1.72	17.68	<=34.77	Pass
			7	21.54	-1.72	17.67	<=34.77	Pass
		15	0	21.47	-1.72	17.60	<=34.77	Pass
	707.5	1	0	22.49	-1.72	18.62	<=34.77	Pass
			7	22.54	-1.72	18.67	<=34.77	Pass
			14	22.56	-1.72	18.69	<=34.77	Pass
		8	0	21.61	-1.72	17.74	<=34.77	Pass
			4	21.66	-1.72	17.79	<=34.77	Pass
			7	21.64	-1.72	17.77	<=34.77	Pass
		15	0	21.54	-1.72	17.67	<=34.77	Pass
	714.5	1	0	23.01	-1.72	19.14	<=34.77	Pass
			7	22.93	-1.72	19.06	<=34.77	Pass
			14	22.88	-1.72	19.01	<=34.77	Pass
		8	0	21.77	-1.72	17.90	<=34.77	Pass
			4	21.78	-1.72	17.91	<=34.77	Pass
			7	21.75	-1.72	17.88	<=34.77	Pass
		15	0	21.69	-1.72	17.82	<=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	23.66	-1.72	19.79	<=34.77	Pass
			13	23.59	-1.72	19.72	<=34.77	Pass
			24	23.68	-1.72	19.81	<=34.77	Pass
		12	0	22.57	-1.72	18.70	<=34.77	Pass
			6	22.54	-1.72	18.67	<=34.77	Pass
			13	22.54	-1.72	18.67	<=34.77	Pass
		25	0	22.59	-1.72	18.72	<=34.77	Pass
	707.5	1	0	23.74	-1.72	19.87	<=34.77	Pass
			13	23.79	-1.72	19.92	<=34.77	Pass
			24	23.86	-1.72	19.99	<=34.77	Pass
		12	0	22.65	-1.72	18.78	<=34.77	Pass
			6	22.65	-1.72	18.78	<=34.77	Pass
			13	22.66	-1.72	18.79	<=34.77	Pass
		25	0	22.63	-1.72	18.76	<=34.77	Pass
	713.5	1	0	23.57	-1.72	19.70	<=34.77	Pass
			13	23.58	-1.72	19.71	<=34.77	Pass
			24	23.59	-1.72	19.72	<=34.77	Pass
		12	0	22.51	-1.72	18.64	<=34.77	Pass
			6	22.42	-1.72	18.55	<=34.77	Pass
			13	22.49	-1.72	18.62	<=34.77	Pass
		25	0	22.49	-1.72	18.62	<=34.77	Pass
16QAM	701.5	1	0	22.75	-1.72	18.88	<=34.77	Pass
			13	22.74	-1.72	18.87	<=34.77	Pass
			24	22.85	-1.72	18.98	<=34.77	Pass
		12	0	21.63	-1.72	17.76	<=34.77	Pass
			6	21.56	-1.72	17.69	<=34.77	Pass
			13	21.57	-1.72	17.70	<=34.77	Pass
		25	0	21.55	-1.72	17.68	<=34.77	Pass
	707.5	1	0	22.79	-1.72	18.92	<=34.77	Pass
			13	22.81	-1.72	18.94	<=34.77	Pass
			24	22.92	-1.72	19.05	<=34.77	Pass
		12	0	21.64	-1.72	17.77	<=34.77	Pass
			6	21.66	-1.72	17.79	<=34.77	Pass
			13	21.68	-1.72	17.81	<=34.77	Pass
		25	0	21.70	-1.72	17.83	<=34.77	Pass
	713.5	1	0	22.73	-1.72	18.86	<=34.77	Pass
			13	22.69	-1.72	18.82	<=34.77	Pass
			24	22.70	-1.72	18.83	<=34.77	Pass
		12	0	21.56	-1.72	17.69	<=34.77	Pass
			6	21.46	-1.72	17.59	<=34.77	Pass
			13	21.48	-1.72	17.61	<=34.77	Pass
		25	0	21.45	-1.72	17.58	<=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	23.23	-1.72	19.36	<=34.77	Pass
			25	23.36	-1.72	19.49	<=34.77	Pass
			49	23.40	-1.72	19.53	<=34.77	Pass
		25	0	22.32	-1.72	18.45	<=34.77	Pass
			13	22.39	-1.72	18.52	<=34.77	Pass
			25	22.44	-1.72	18.57	<=34.77	Pass
		50	0	22.39	-1.72	18.52	<=34.77	Pass
	707.5	1	0	23.33	-1.72	19.46	<=34.77	Pass
			25	23.42	-1.72	19.55	<=34.77	Pass
			49	23.51	-1.72	19.64	<=34.77	Pass
		25	0	22.34	-1.72	18.47	<=34.77	Pass
			13	22.40	-1.72	18.53	<=34.77	Pass
			25	22.40	-1.72	18.53	<=34.77	Pass
		50	0	22.38	-1.72	18.51	<=34.77	Pass
	711	1	0	23.40	-1.72	19.53	<=34.77	Pass
			25	23.52	-1.72	19.65	<=34.77	Pass
			49	23.56	-1.72	19.69	<=34.77	Pass
		25	0	22.38	-1.72	18.51	<=34.77	Pass
			13	22.41	-1.72	18.54	<=34.77	Pass
			25	22.39	-1.72	18.52	<=34.77	Pass
		50	0	22.41	-1.72	18.54	<=34.77	Pass
16QAM	704	1	0	22.47	-1.72	18.60	<=34.77	Pass
			25	22.55	-1.72	18.68	<=34.77	Pass
			49	22.66	-1.72	18.79	<=34.77	Pass
		25	0	21.33	-1.72	17.46	<=34.77	Pass
			13	21.38	-1.72	17.51	<=34.77	Pass
			25	21.45	-1.72	17.58	<=34.77	Pass
		50	0	21.36	-1.72	17.49	<=34.77	Pass
	707.5	1	0	22.21	-1.72	18.34	<=34.77	Pass
			25	22.31	-1.72	18.44	<=34.77	Pass
			49	22.38	-1.72	18.51	<=34.77	Pass
		25	0	21.35	-1.72	17.48	<=34.77	Pass
			13	21.40	-1.72	17.53	<=34.77	Pass
			25	21.39	-1.72	17.52	<=34.77	Pass
		50	0	21.34	-1.72	17.47	<=34.77	Pass
	711	1	0	22.54	-1.72	18.67	<=34.77	Pass
			25	22.67	-1.72	18.80	<=34.77	Pass
			49	22.70	-1.72	18.83	<=34.77	Pass
		25	0	21.35	-1.72	17.48	<=34.77	Pass
			13	21.40	-1.72	17.53	<=34.77	Pass
			25	21.38	-1.72	17.51	<=34.77	Pass
		50	0	21.38	-1.72	17.51	<=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	-1.559	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-1.516	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.706	-0.0067	-2.5 to 2.5	Pass
				0	3.85	1.001	0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.978	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0097	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.701	0.0010	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0029	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.819	0.0054	-2.5 to 2.5	Pass
				-20	3.85	-3.190	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	2.675	0.0038	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0073	-2.5 to 2.5	Pass
				30	3.85	1.931	0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.934	-0.0056	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0012	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.286	0.0004	-2.5 to 2.5	Pass
					3.85	1.488	0.0021	-2.5 to 2.5	Pass
					4.43	1.116	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				-20	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-2.332	-0.0033	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.516	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-8.283	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-1.330	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-6.194	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	5.093	0.0072	-2.5 to 2.5	Pass
					3.85	2.818	0.0040	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.246	0.0032	-2.5 to 2.5	Pass

				0	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0030	-2.5 to 2.5	Pass
				50	3.85	1.659	0.0023	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	1.016	0.0014	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-2.160	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.458	0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0023	-2.5 to 2.5	Pass
				30	3.85	1.574	0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.332	-0.0033	-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	-2.432	-0.0035	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.160	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-2.704	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0051	-2.5 to 2.5	Pass
				30	3.85	3.147	0.0045	-2.5 to 2.5	Pass
				40	3.85	2.661	0.0038	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.272	0.0004	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0049	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.987	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.718	0.0038	-2.5 to 2.5	Pass
				0	3.85	1.030	0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.591	-0.0050	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0043	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.905	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	0.787	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-2.389	-0.0034	-2.5 to 2.5	Pass
					3.85	1.216	0.0017	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0011	-2.5 to 2.5	Pass

				-30	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-4.950	-0.0071	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-3.147	-0.0045	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-3.004	-0.0042	-2.5 to 2.5	Pass
					3.85	2.232	0.0032	-2.5 to 2.5	Pass
					4.43	0.772	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.289	-0.0032	-2.5 to 2.5	Pass
				30	3.85	5.379	0.0076	-2.5 to 2.5	Pass
				40	3.85	5.336	0.0075	-2.5 to 2.5	Pass
				50	3.85	0.172	0.0002	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-3.262	-0.0046	-2.5 to 2.5	Pass
					3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.747	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.104	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0021	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				40	3.85	1.602	0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0040	-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	-2.847	-0.0041	-2.5 to 2.5	Pass
					3.85	0.372	0.0005	-2.5 to 2.5	Pass
					4.43	0.930	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0070	-2.5 to 2.5	Pass
				30	3.85	2.918	0.0042	-2.5 to 2.5	Pass
				40	3.85	1.745	0.0025	-2.5 to 2.5	Pass
				50	3.85	-3.920	-0.0056	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.172	0.0002	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0071	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.602	0.0023	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0041	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.674	0.0024	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-1.230	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.702	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	2.718	0.0038	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-2.189	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0011	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-2.947	-0.0042	-2.5 to 2.5	Pass
					3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.076	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-2.503	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.033	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0043	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-5.322	-0.0075	-2.5 to 2.5	Pass
					3.85	-2.360	-0.0033	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-4.048	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	3.85	3.276	0.0046	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.186	0.0003	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-1.788	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0085	-2.5 to 2.5	Pass
				50	3.85	-2.146	-0.0030	-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	-3.090	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass

				30	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-2.146	-0.0030	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-3.047	-0.0043	-2.5 to 2.5	Pass
					3.85	0.930	0.0013	-2.5 to 2.5	Pass
					4.43	0.343	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.131	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.300	0.0004	-2.5 to 2.5	Pass
					3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
					4.43	1.817	0.0026	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.389	0.0034	-2.5 to 2.5	Pass
				0	3.85	1.345	0.0019	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-3.905	-0.0055	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.317	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.060	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.360	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-3.762	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0028	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-1.674	-0.0024	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
					4.43	0.215	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.960	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0046	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-0.143	-0.0002	-2.5 to 2.5	Pass
					3.85	0.558	0.0008	-2.5 to 2.5	Pass
					4.43	-0.930	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-0.601	-0.0008	-2.5 to 2.5	Pass
				50	3.85	1.459	0.0021	-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

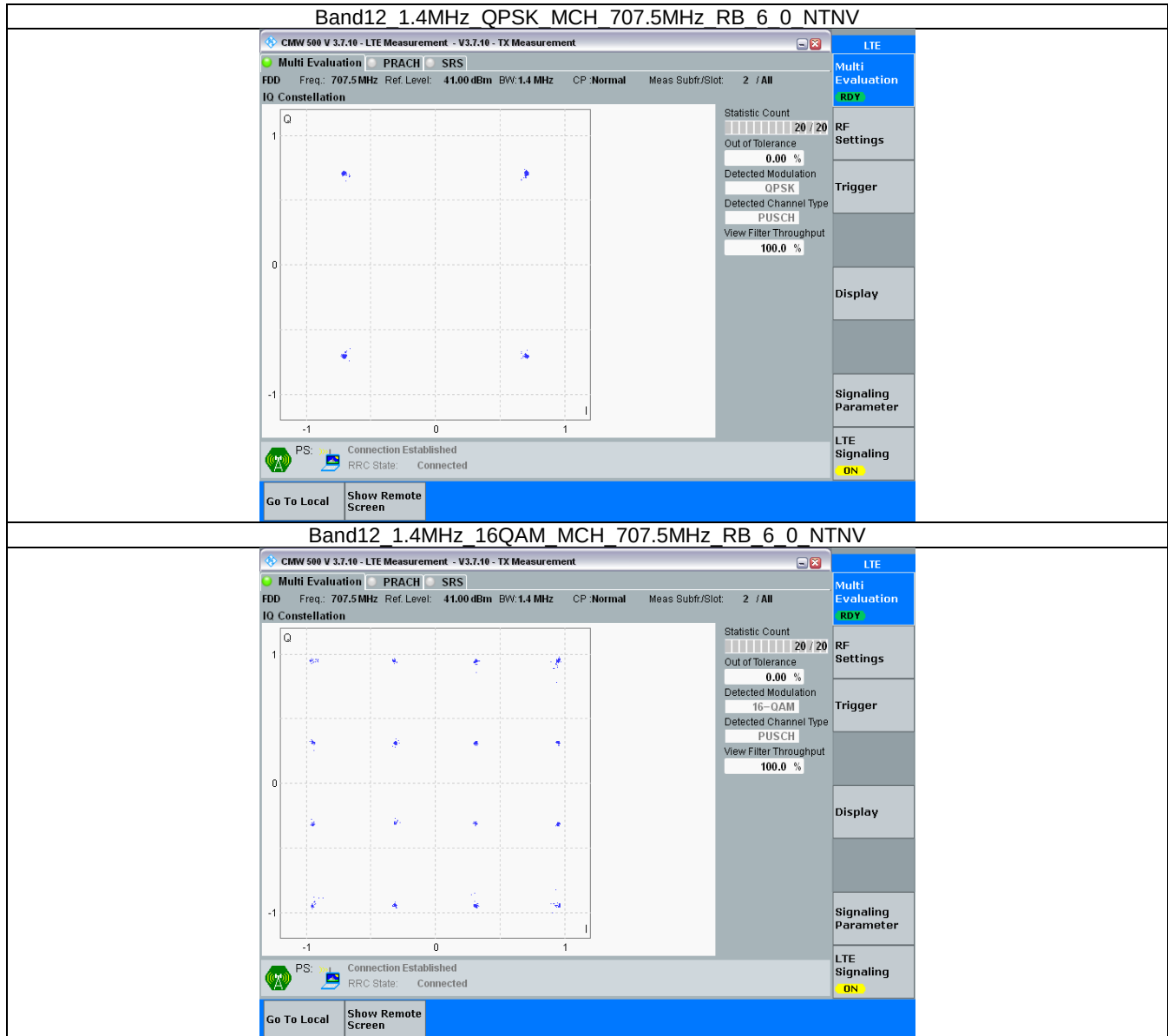
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

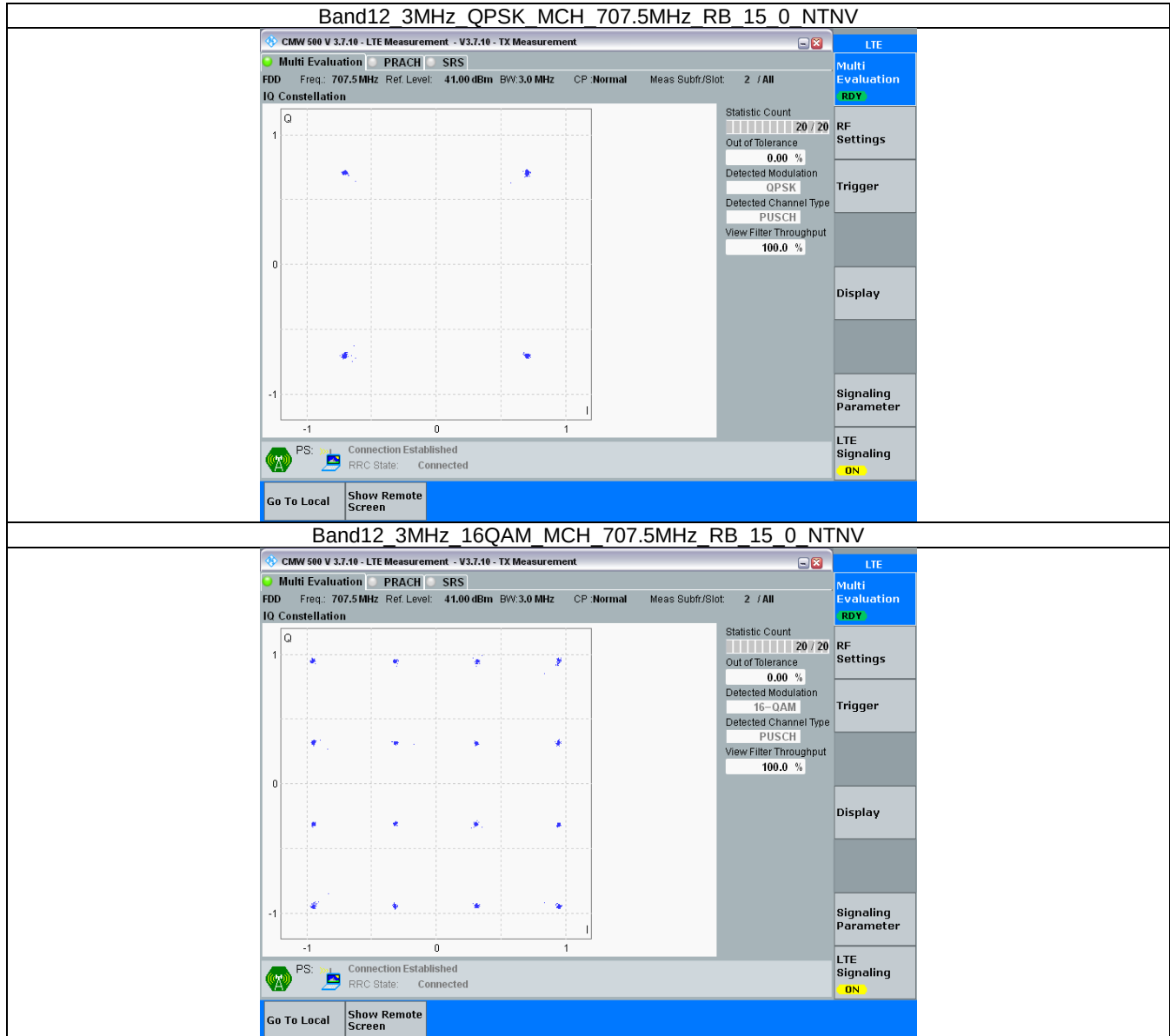
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

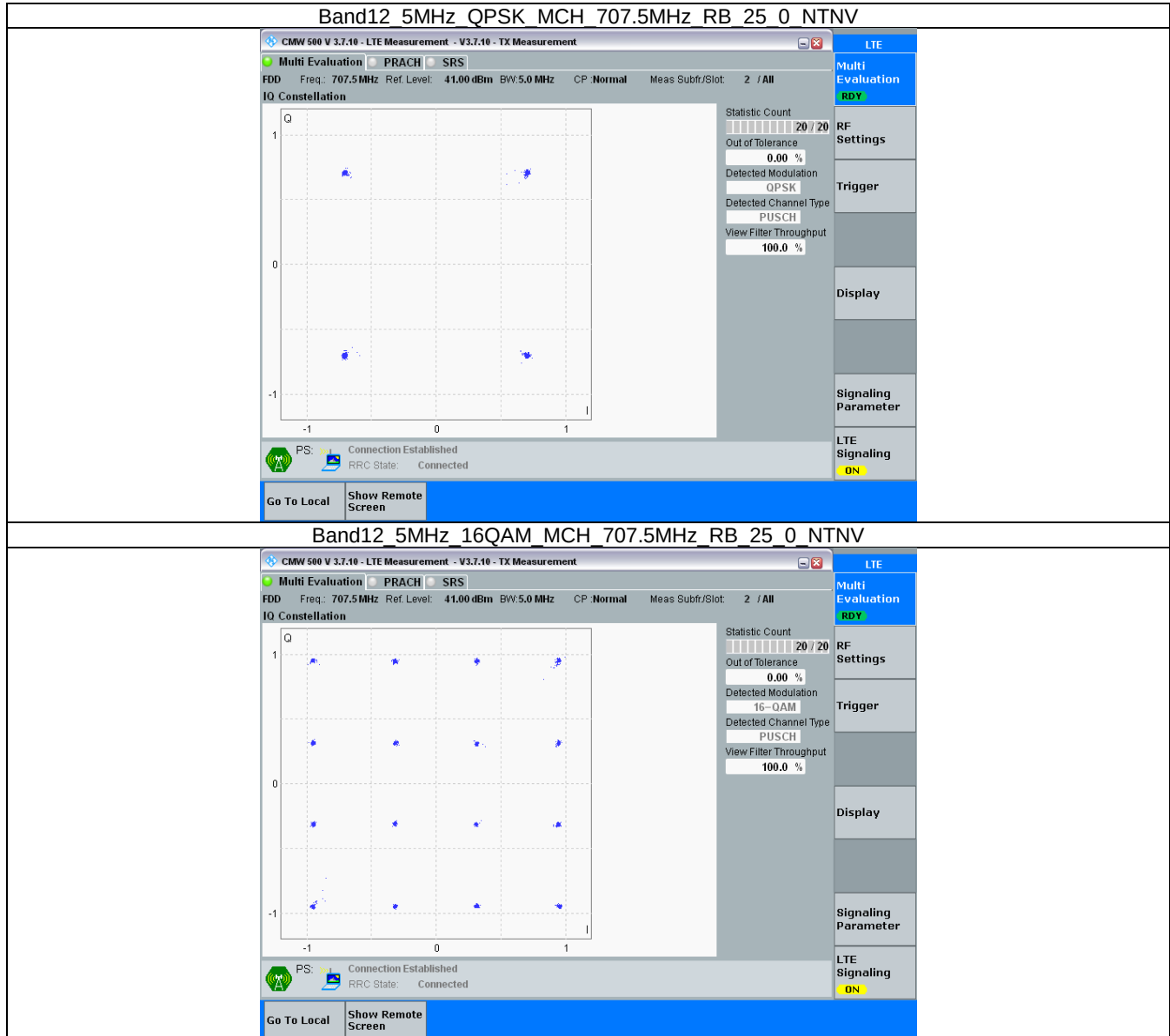
3.2.1 B12_1.4MHz



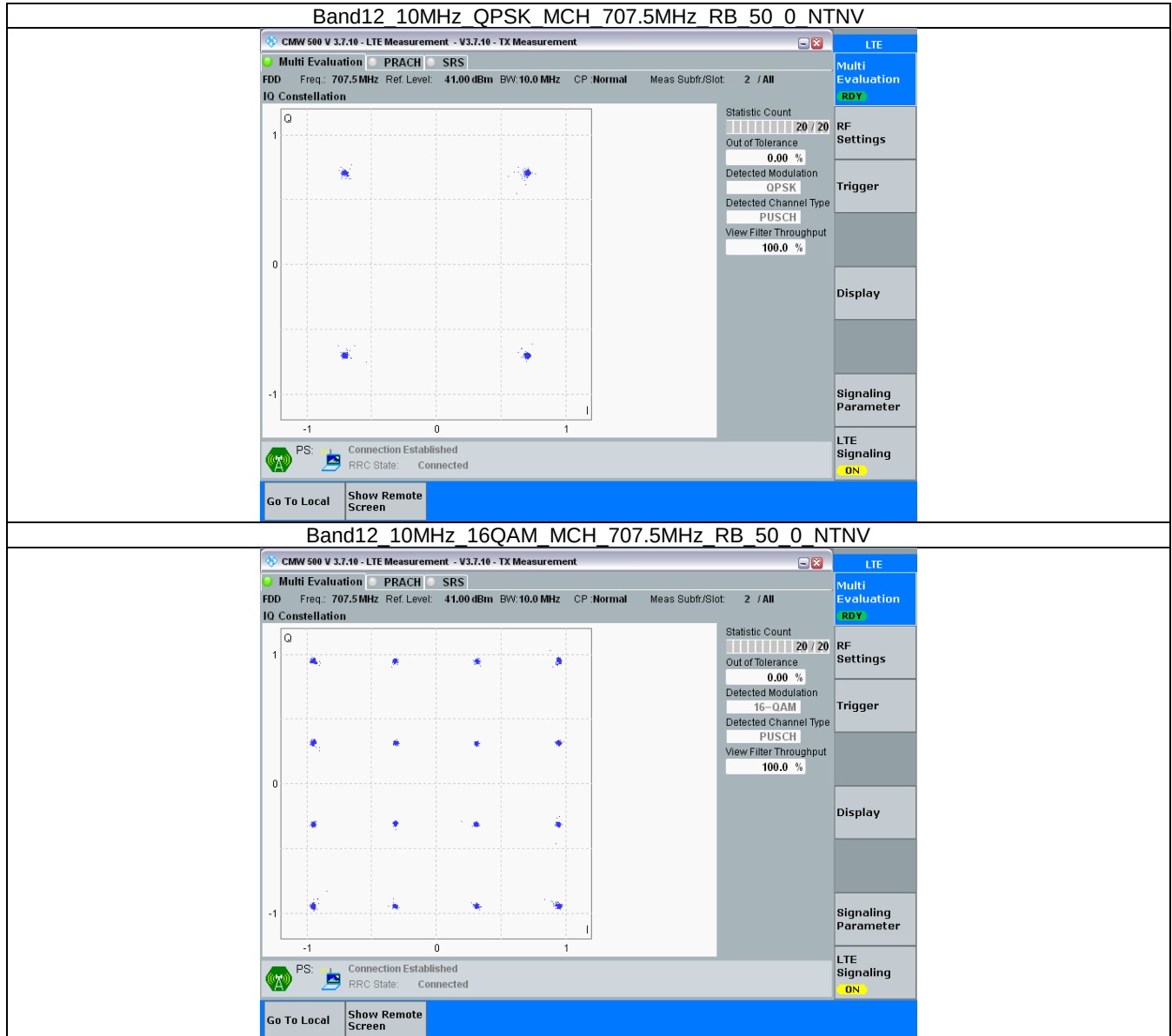
3.2.2 B12_3MHz



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	1.080	/	Pass
		707.5	6	0	1.078	/	Pass
		715.3	6	0	1.086	/	Pass
	16QAM	699.7	6	0	1.079	/	Pass
		707.5	6	0	1.076	/	Pass
		715.3	6	0	1.079	/	Pass
3	QPSK	700.5	15	0	2.686	/	Pass
		707.5	15	0	2.691	/	Pass
		714.5	15	0	2.683	/	Pass
	16QAM	700.5	15	0	2.680	/	Pass
		707.5	15	0	2.684	/	Pass
		714.5	15	0	2.682	/	Pass
5	QPSK	701.5	25	0	4.473	/	Pass
		707.5	25	0	4.467	/	Pass
		713.5	25	0	4.474	/	Pass
	16QAM	701.5	25	0	4.480	/	Pass
		707.5	25	0	4.485	/	Pass
		713.5	25	0	4.475	/	Pass
10	QPSK	704	50	0	8.956	/	Pass
		707.5	50	0	8.951	/	Pass
		711	50	0	8.953	/	Pass
	16QAM	704	50	0	8.948	/	Pass
		707.5	50	0	8.952	/	Pass
		711	50	0	8.949	/	Pass

4.1.2 Band12_XDB

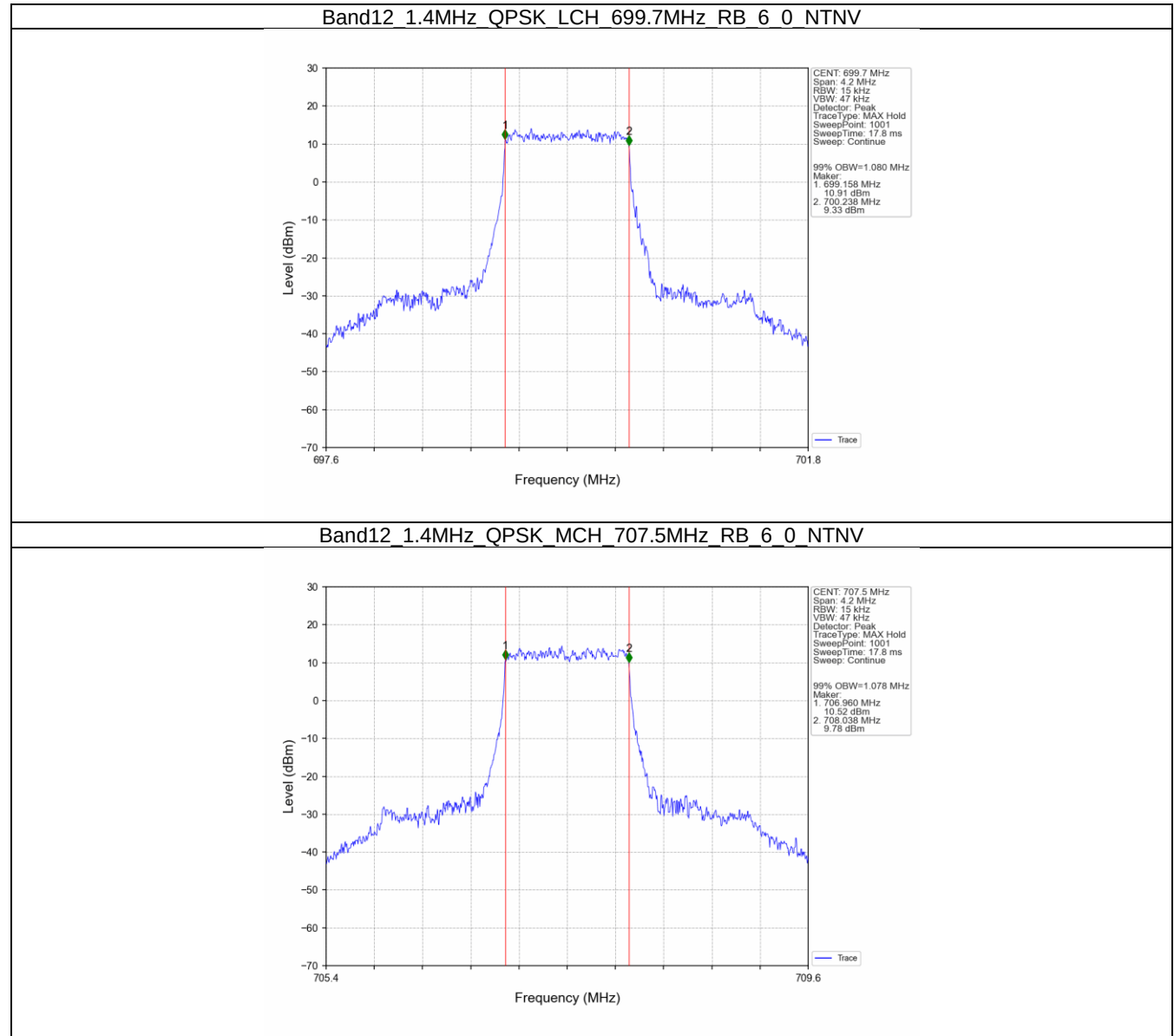
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.264	/	Pass
		707.5	6	0	1.234	/	Pass
		715.3	6	0	1.240	/	Pass
	16QAM	699.7	6	0	1.222	/	Pass
		707.5	6	0	1.265	/	Pass
		715.3	6	0	1.221	/	Pass
3	QPSK	700.5	15	0	2.891	/	Pass
		707.5	15	0	2.891	/	Pass
		714.5	15	0	2.866	/	Pass
	16QAM	700.5	15	0	2.867	/	Pass
		707.5	15	0	2.878	/	Pass
		714.5	15	0	2.886	/	Pass
5	QPSK	701.5	25	0	4.847	/	Pass
		707.5	25	0	4.850	/	Pass
		713.5	25	0	4.866	/	Pass
	16QAM	701.5	25	0	4.900	/	Pass
		707.5	25	0	4.863	/	Pass
		713.5	25	0	4.851	/	Pass
10	QPSK	704	50	0	9.567	/	Pass



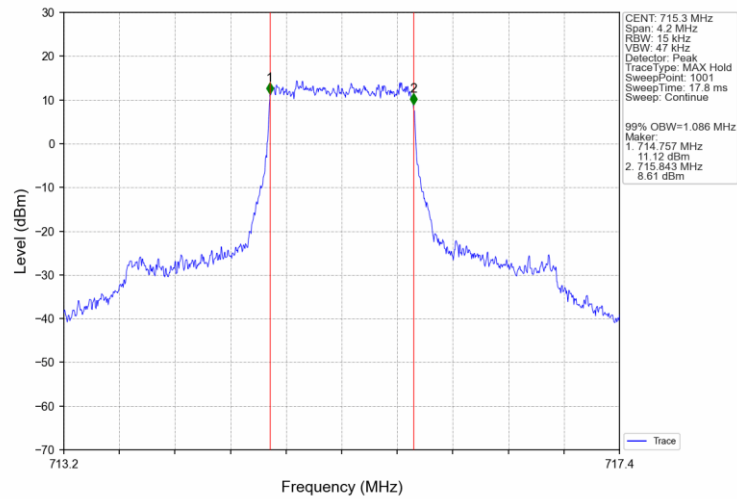
		707.5	50	0	9.563	/	Pass
		711	50	0	9.609	/	Pass
	16QAM	704	50	0	9.650	/	Pass
		707.5	50	0	9.588	/	Pass
		711	50	0	9.514	/	Pass

4.2 Test Graph

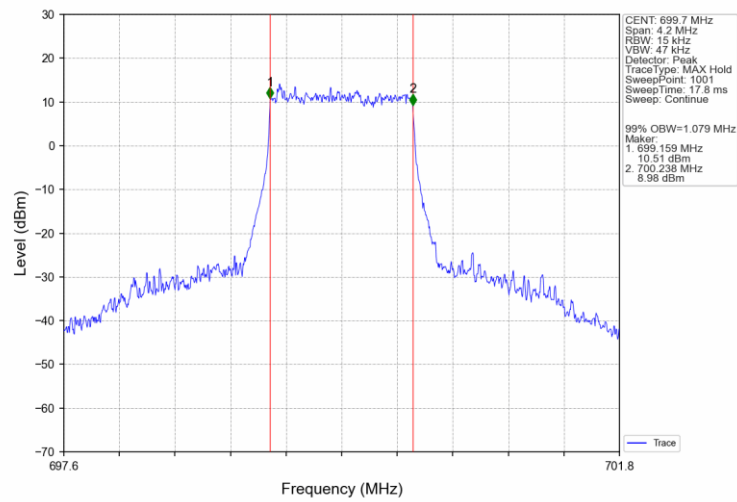
4.2.1 Band12_OBW



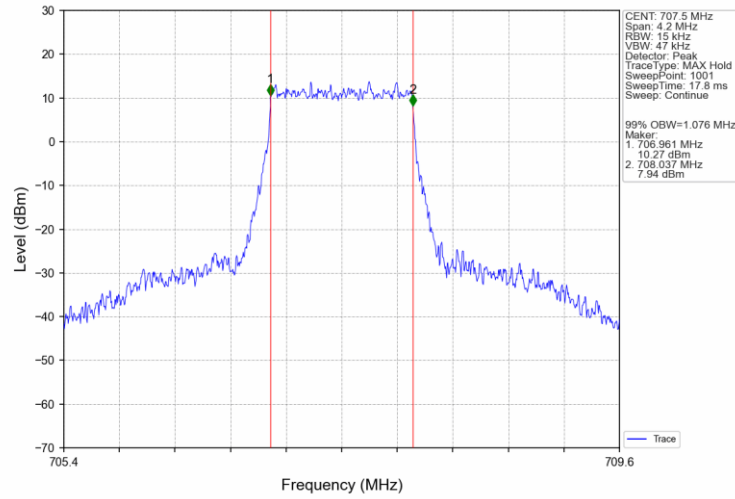
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



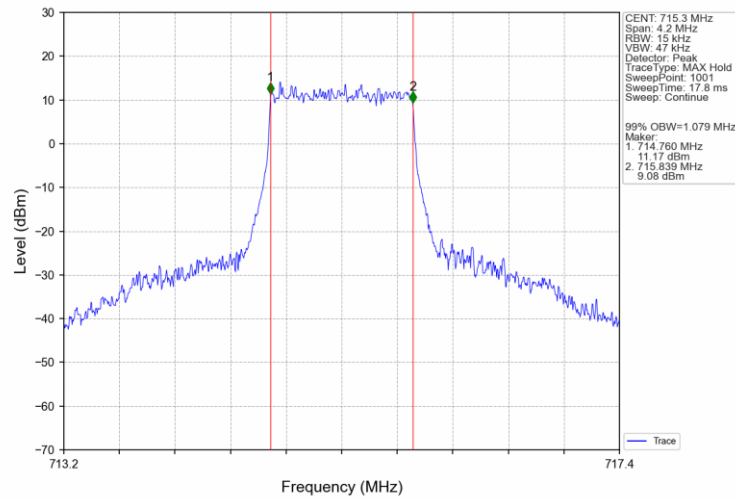
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



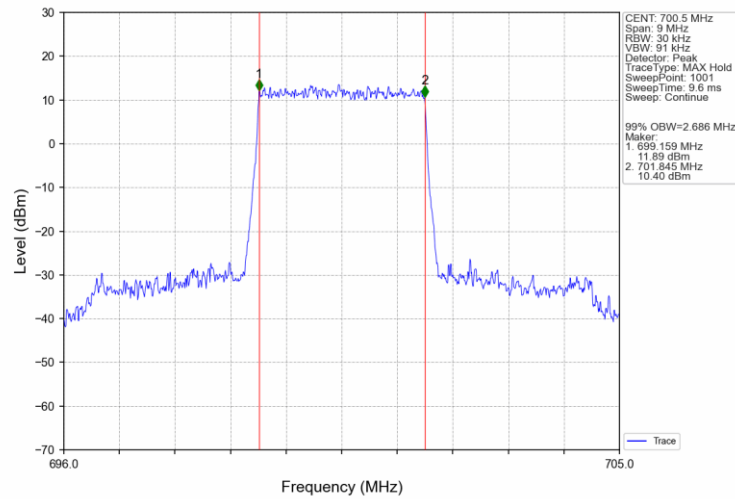
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



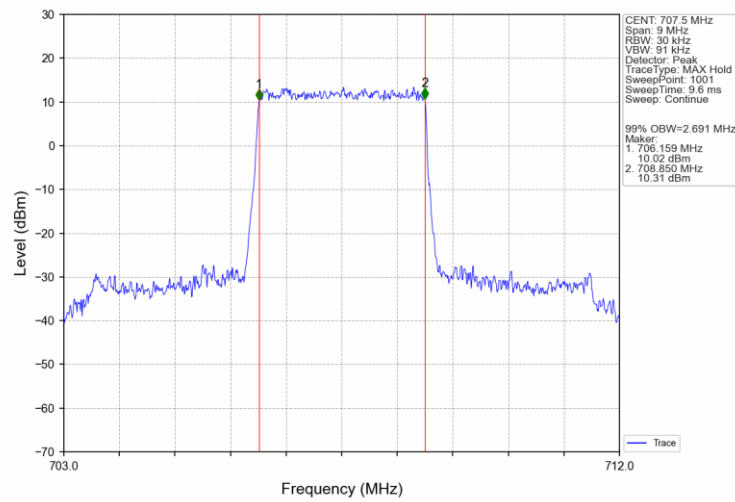
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



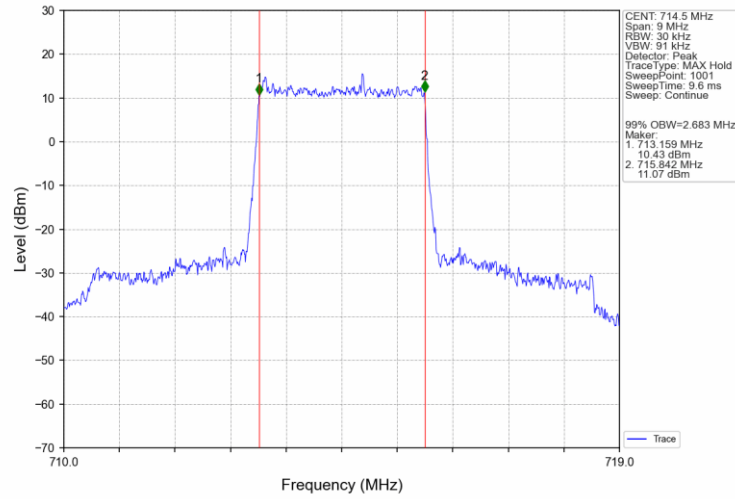
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



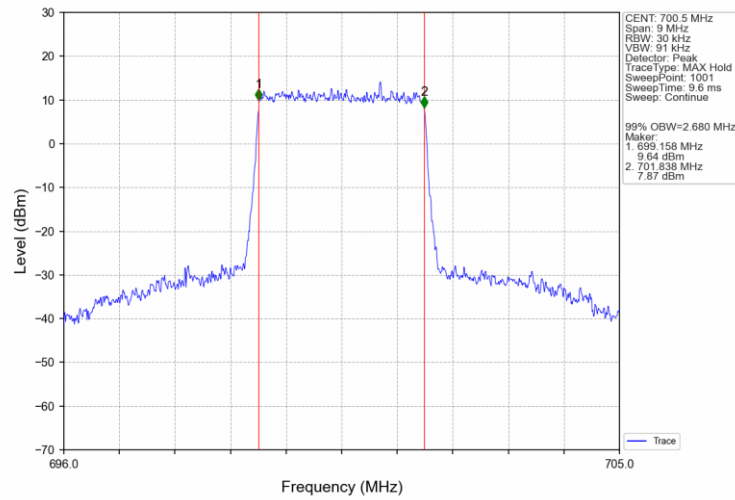
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



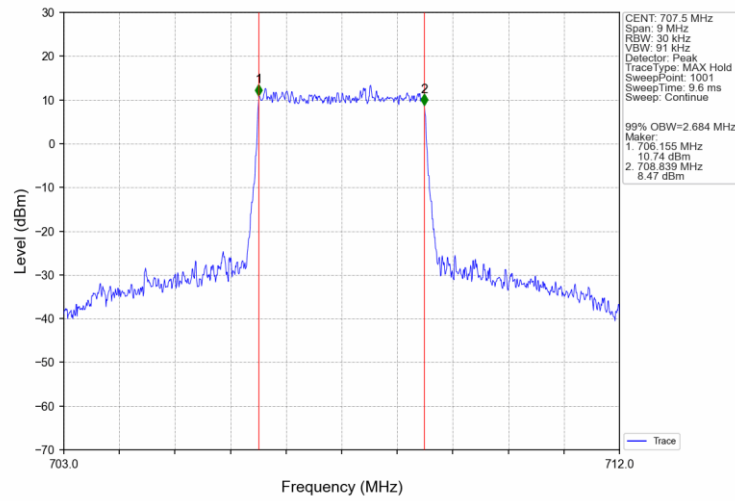
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



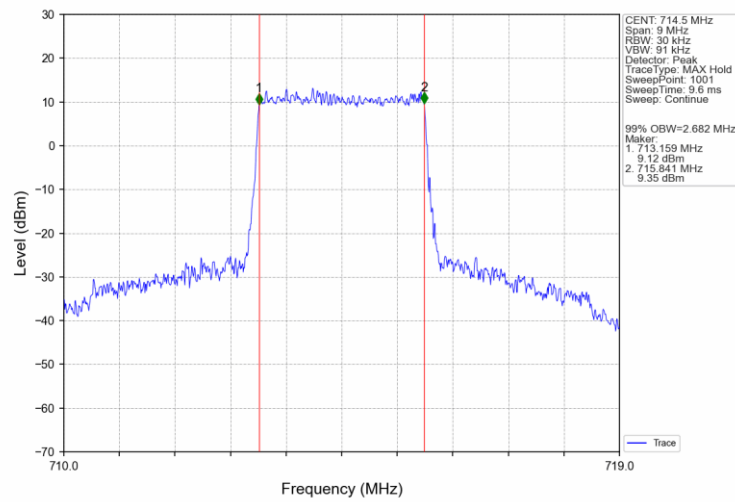
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



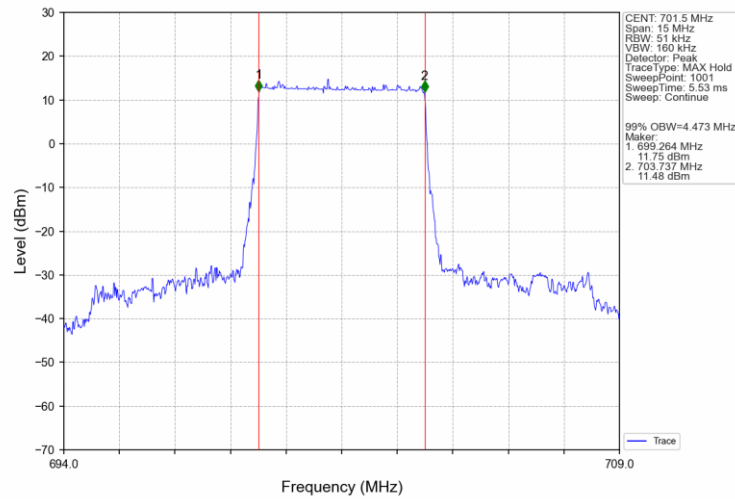
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



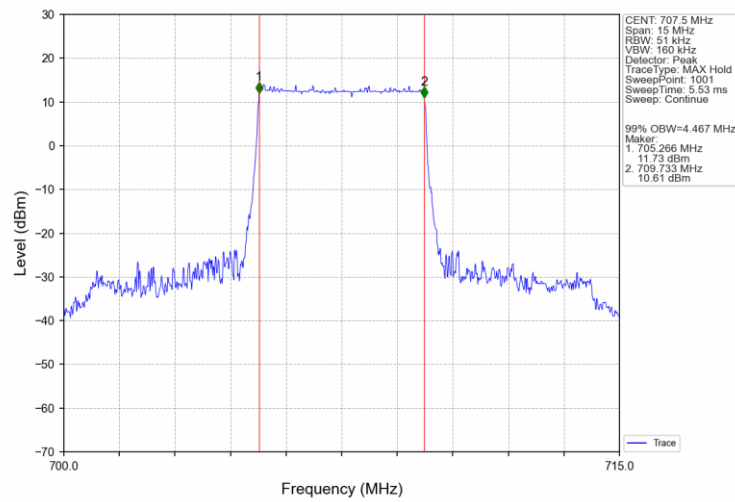
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



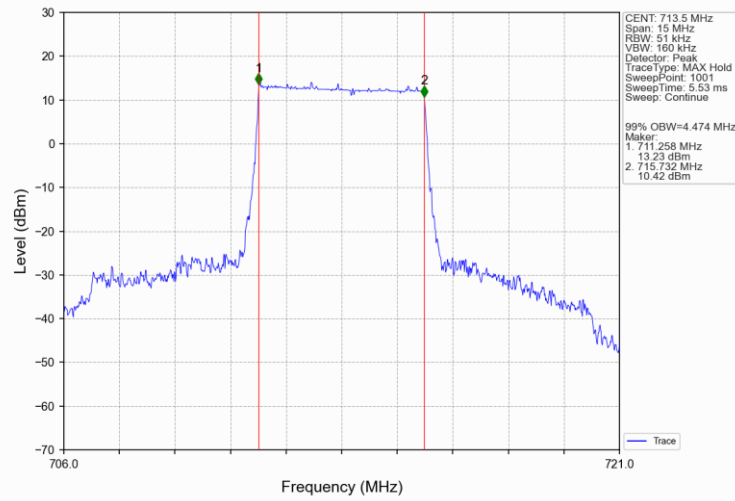
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



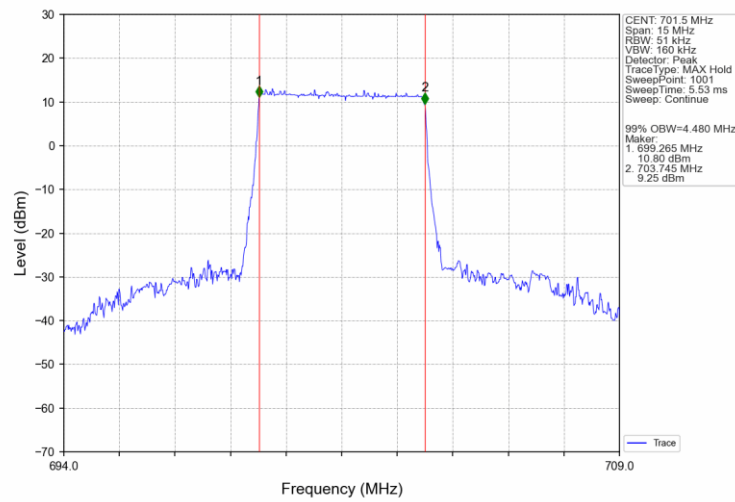
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



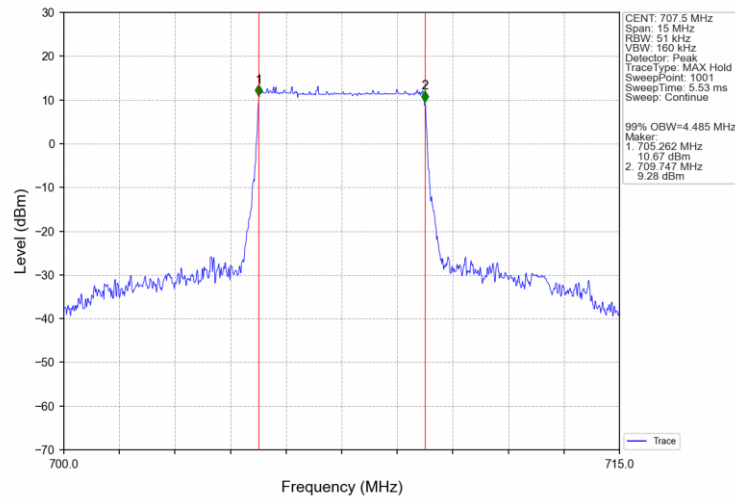
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



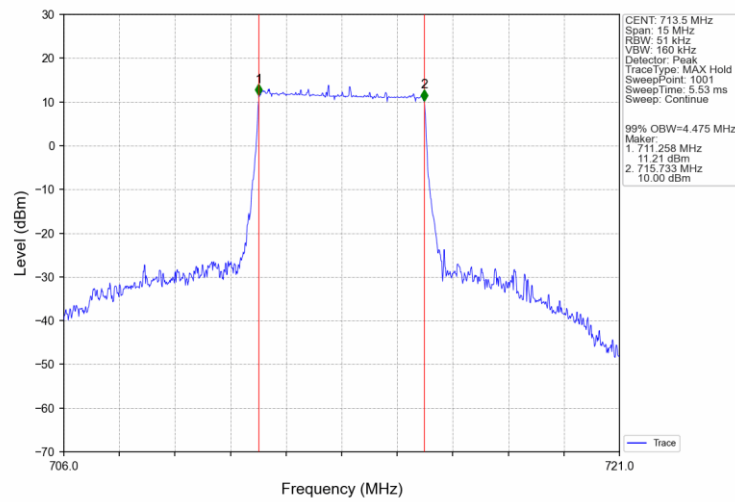
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



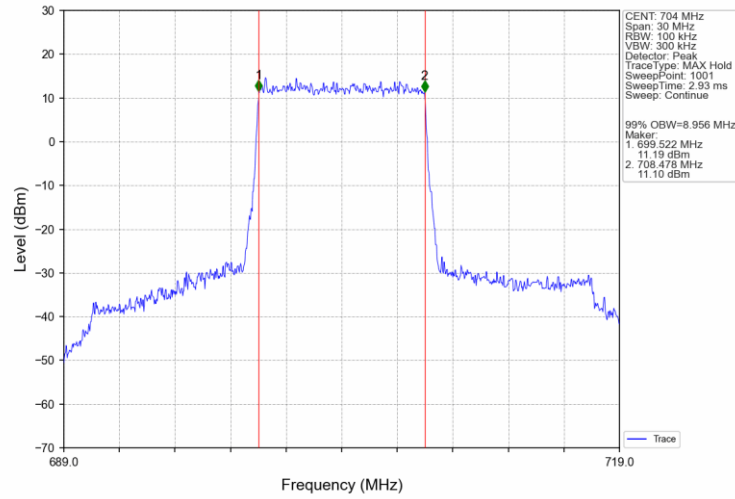
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



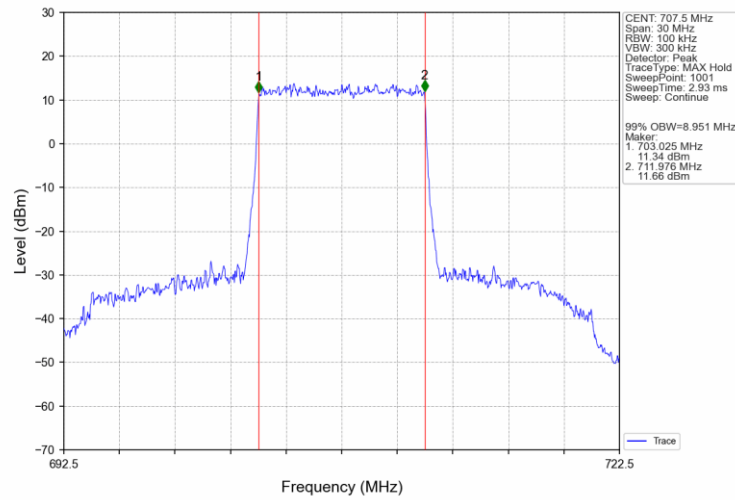
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



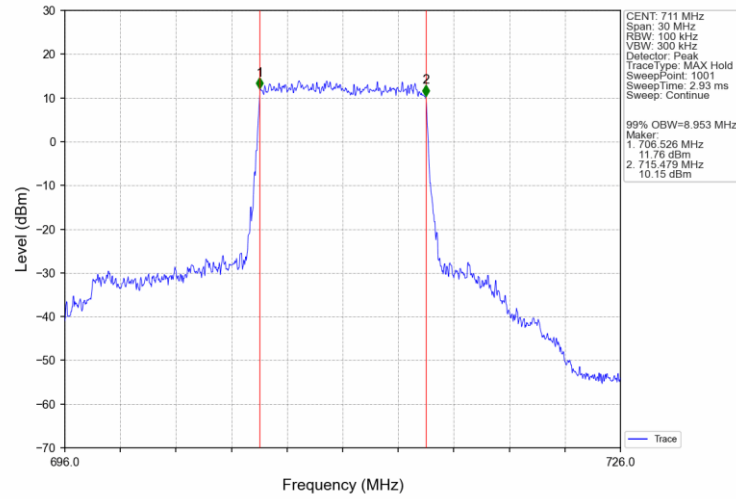
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



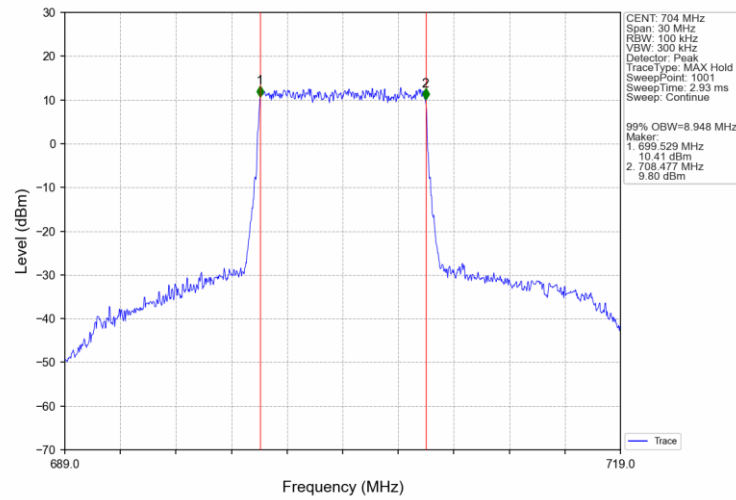
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



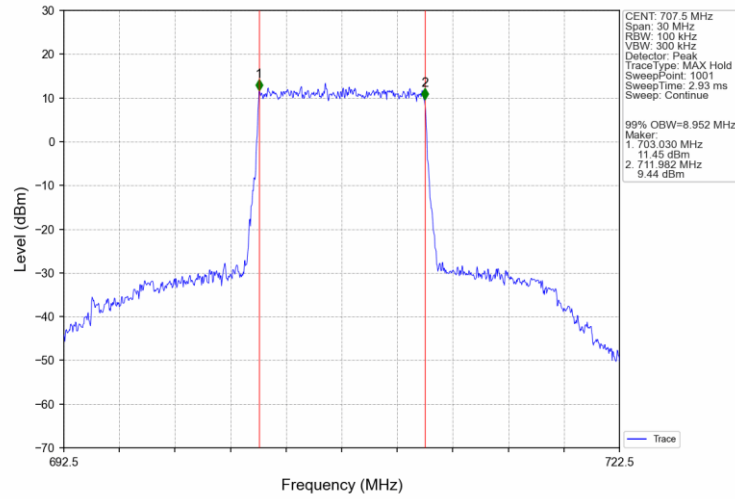
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



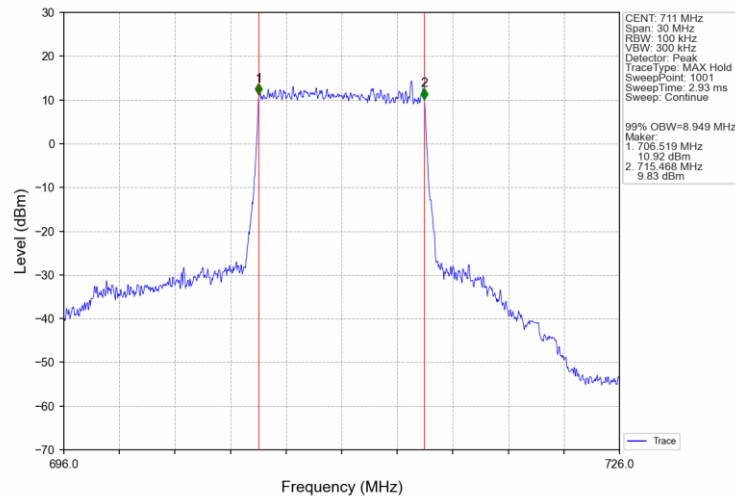
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

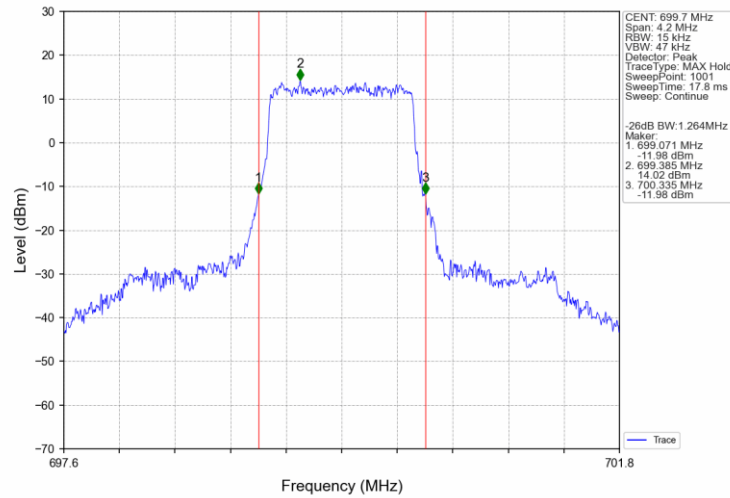


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

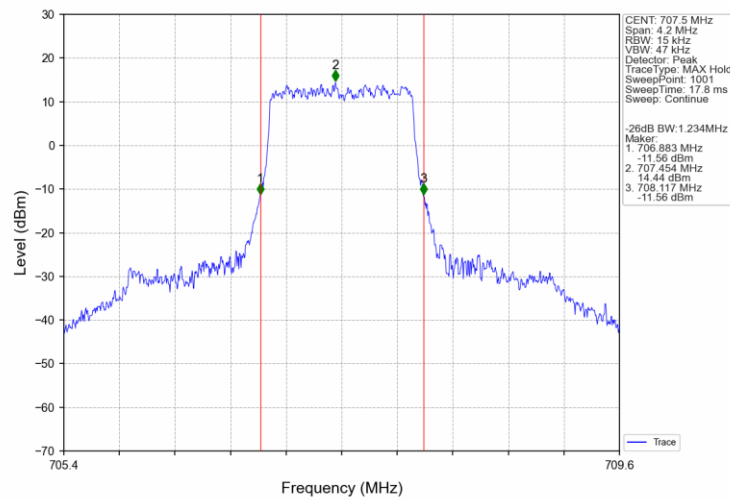


4.2.2 Band12_XDB

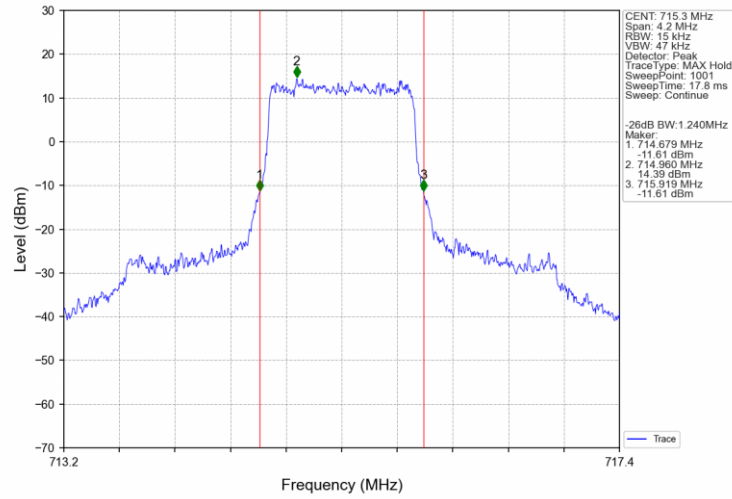
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



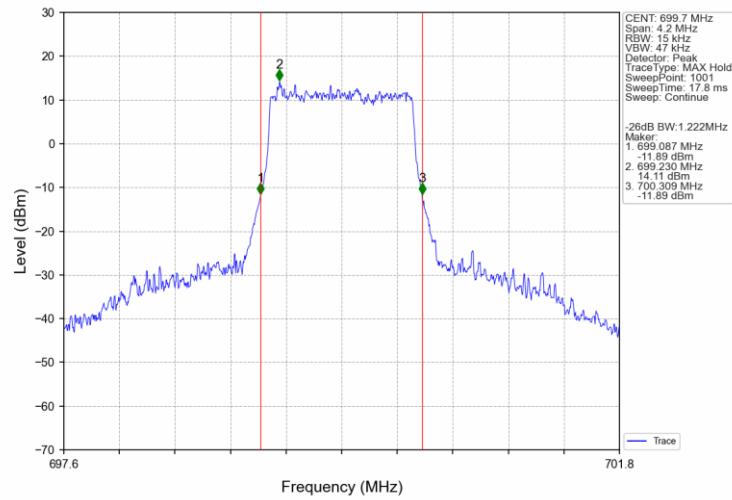
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTV



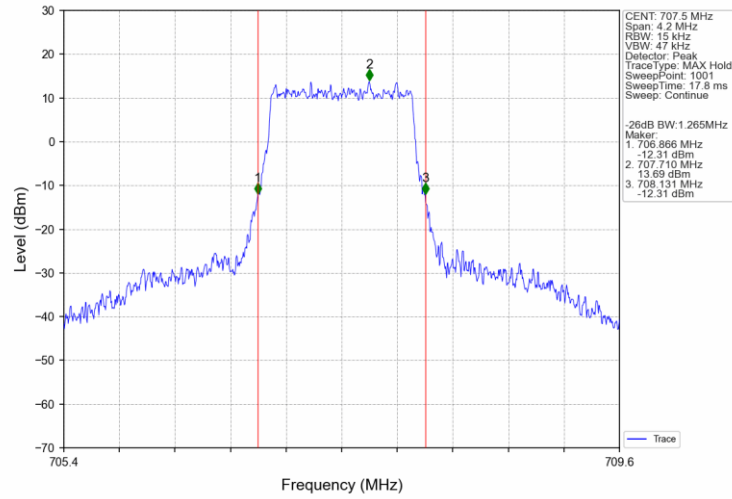
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



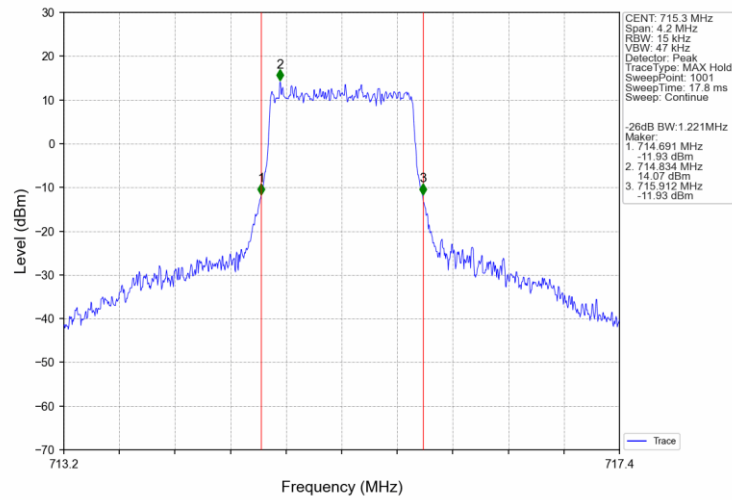
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



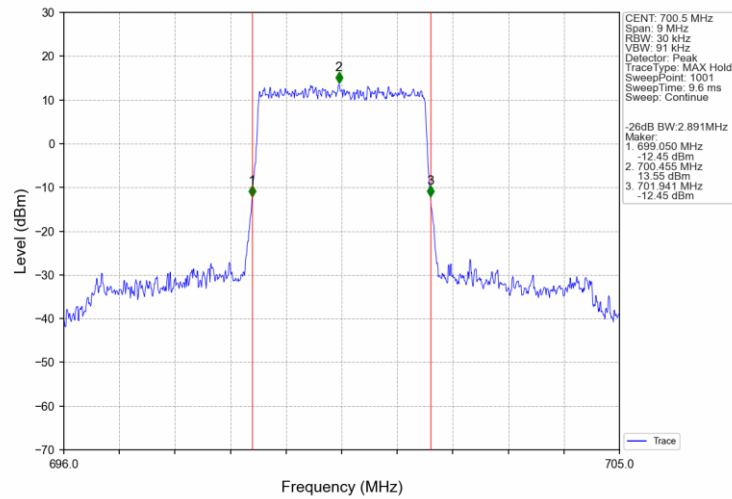
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



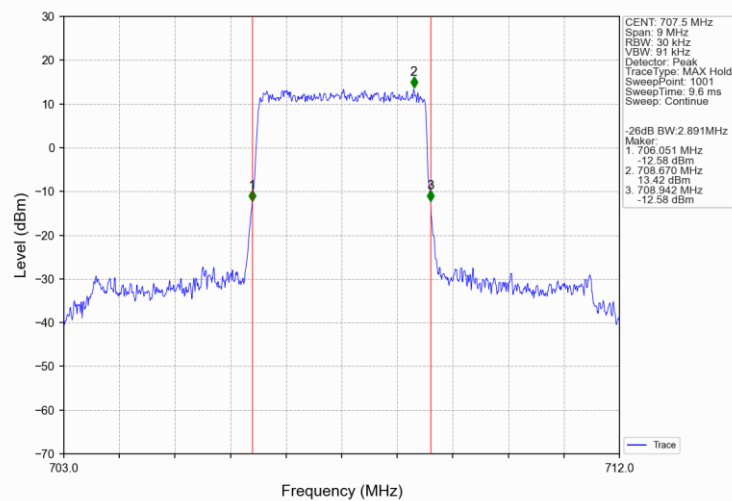
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



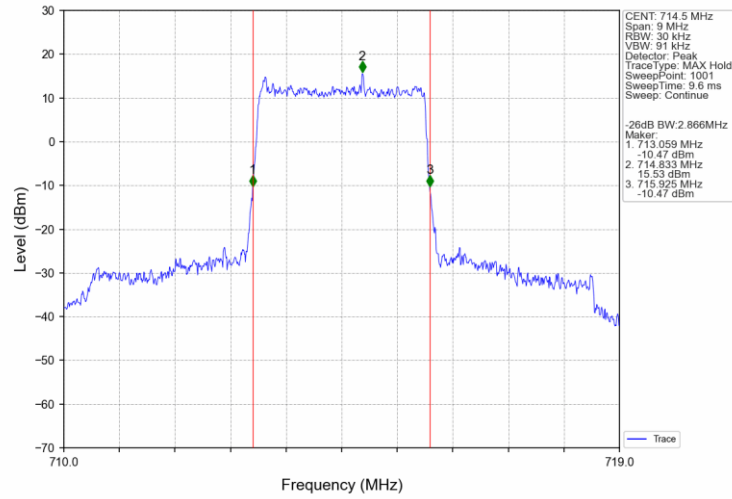
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



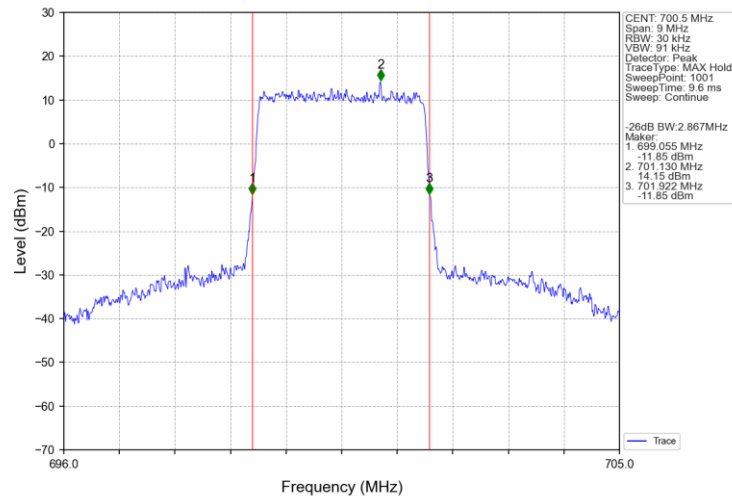
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



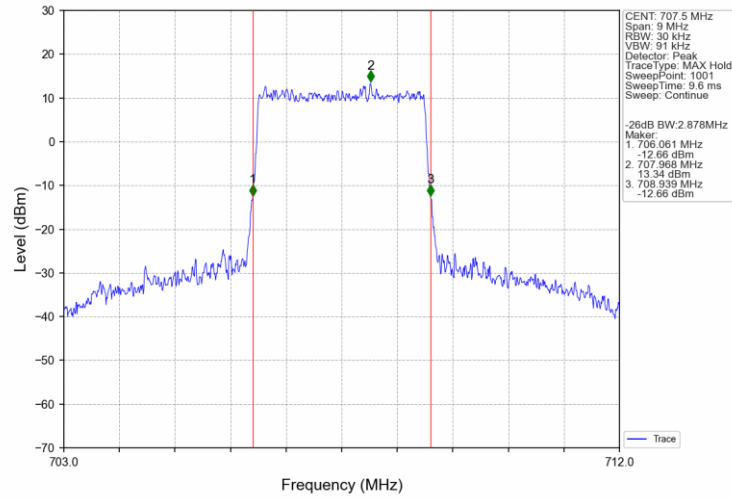
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



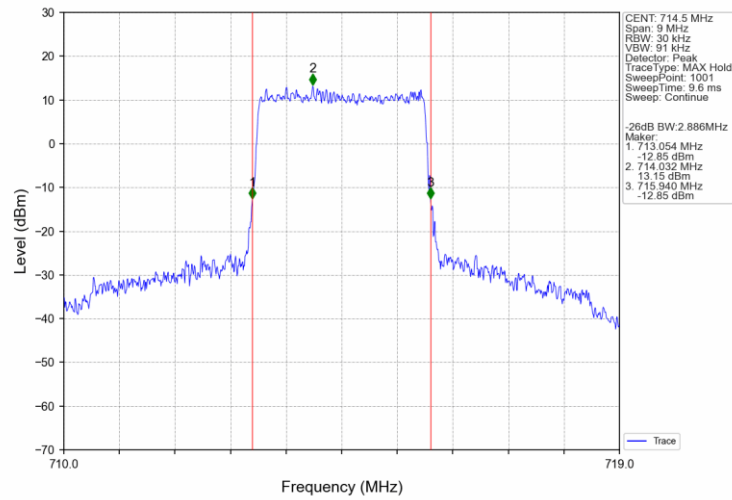
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



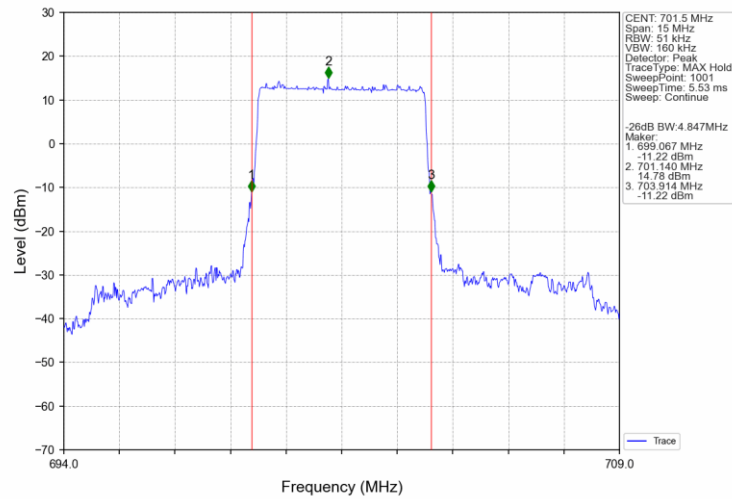
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



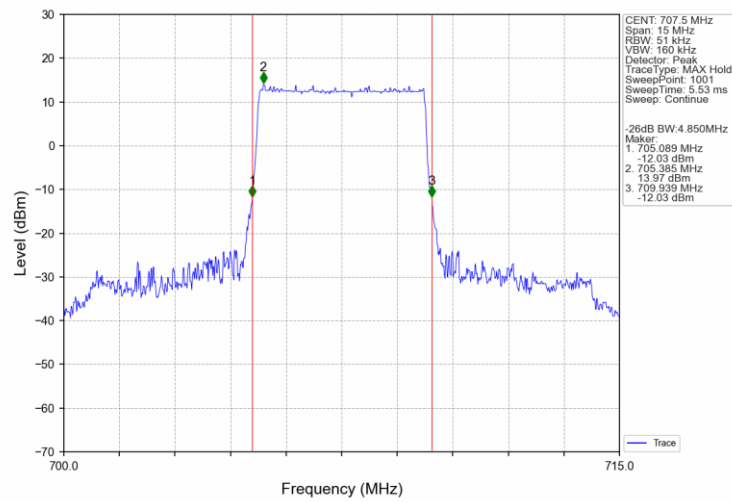
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



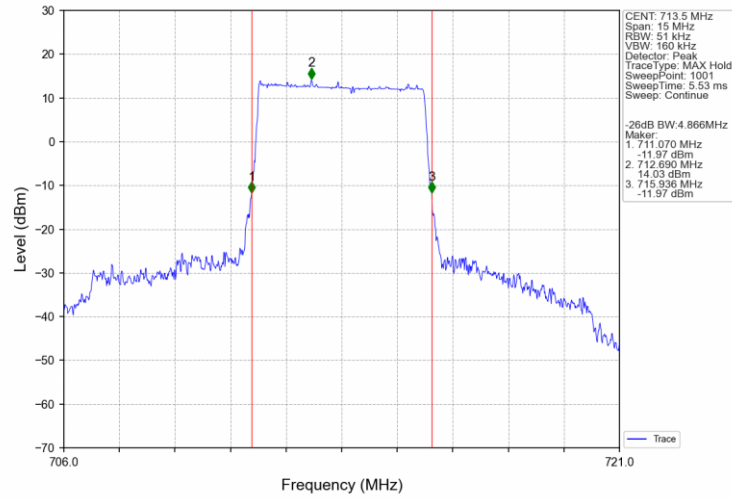
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



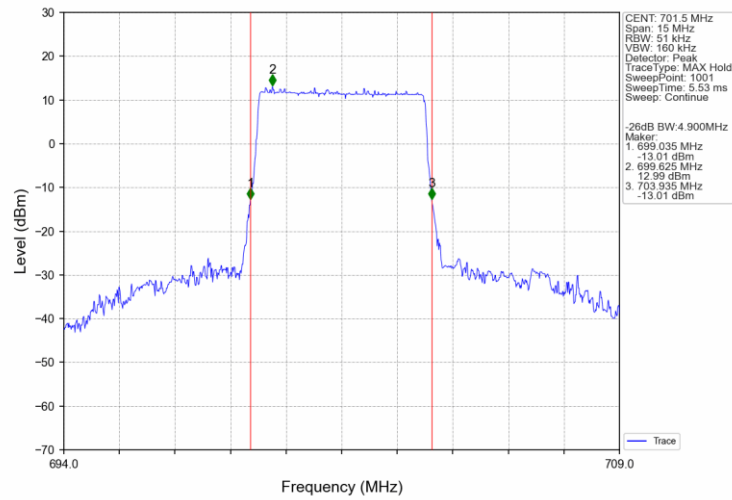
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



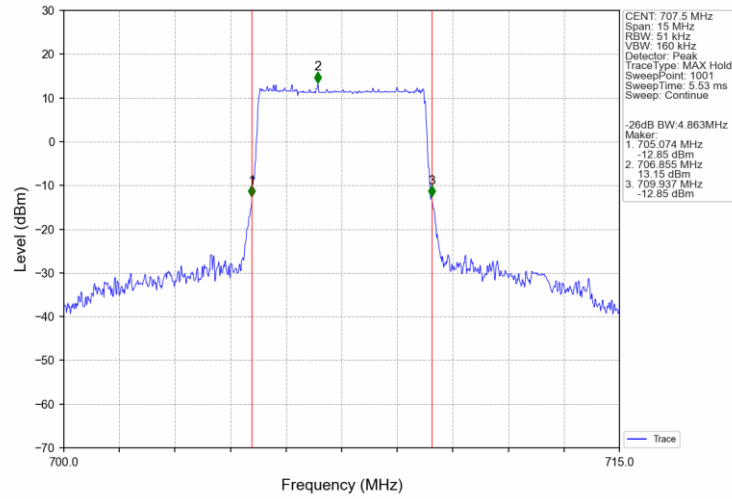
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



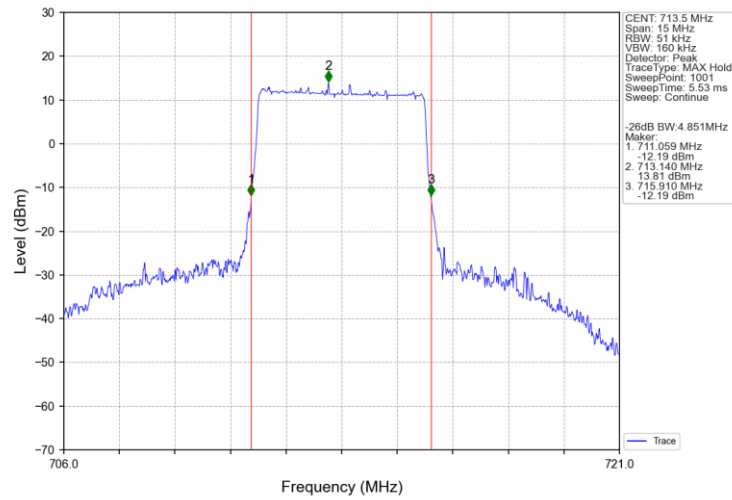
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



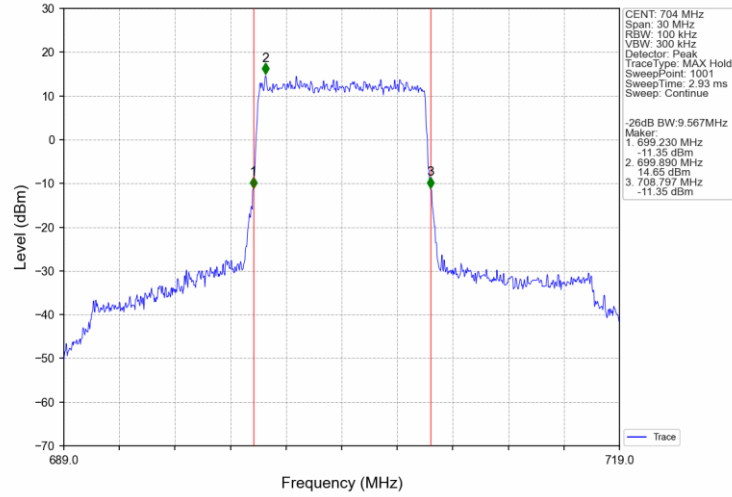
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



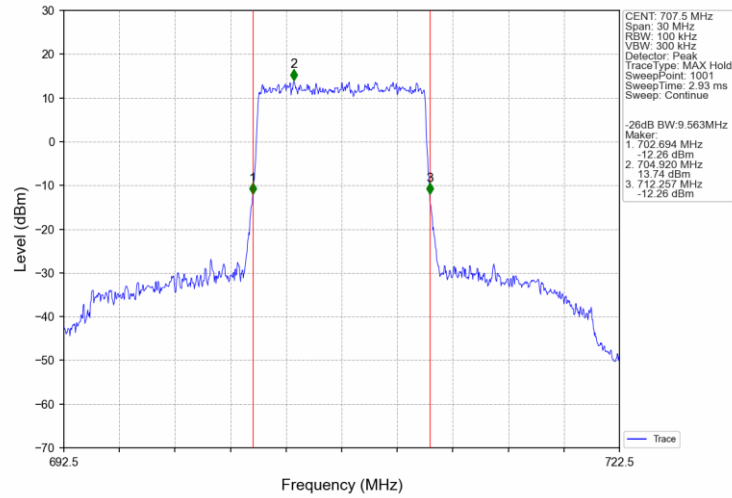
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV



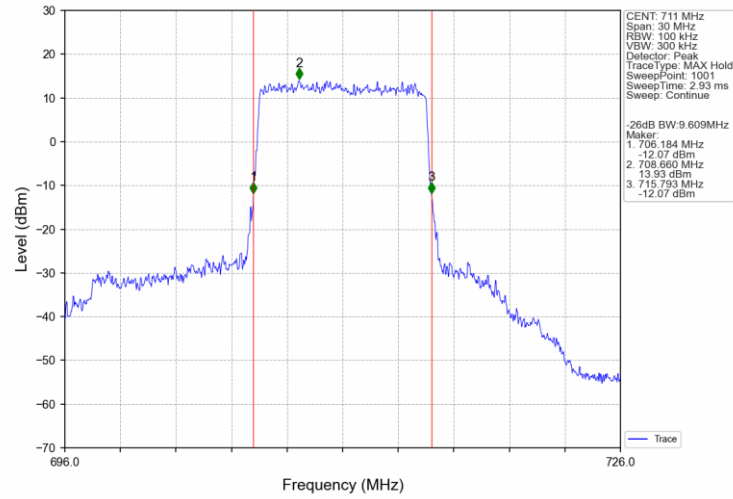
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



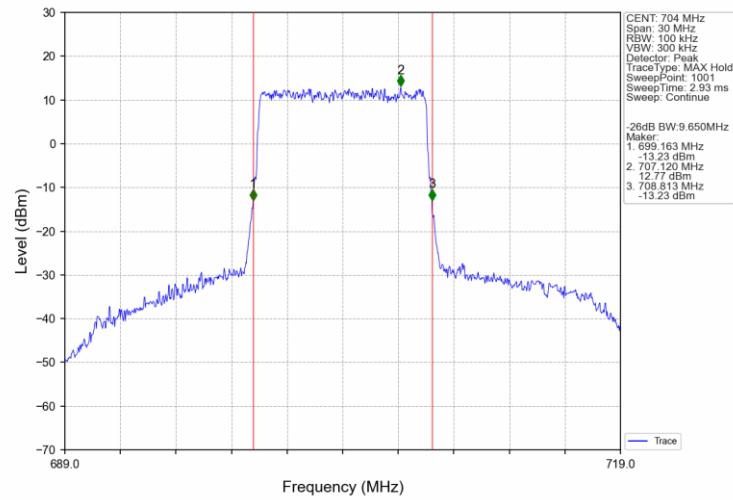
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



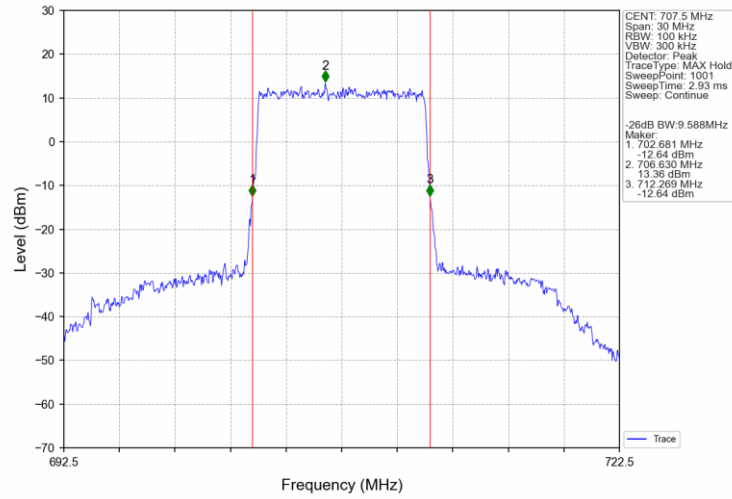
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



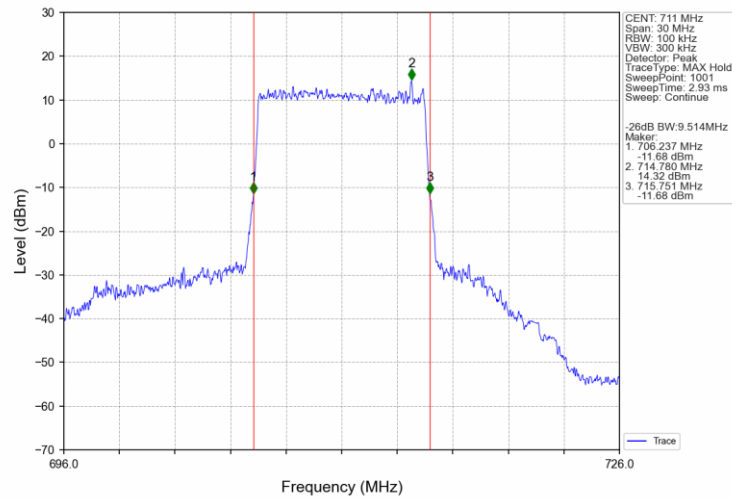
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.27	<=13	Pass
	707.5	6	0	5.11	<=13	Pass
	715.3	6	0	4.79	<=13	Pass
16QAM	699.7	6	0	6.13	<=13	Pass
	707.5	6	0	5.89	<=13	Pass
	715.3	6	0	5.61	<=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	5.47	<=13	Pass
	707.5	15	0	5.27	<=13	Pass
	714.5	15	0	5.07	<=13	Pass
16QAM	700.5	15	0	6.29	<=13	Pass
	707.5	15	0	6.12	<=13	Pass
	714.5	15	0	5.90	<=13	Pass

5.1.3 B12_5MHz

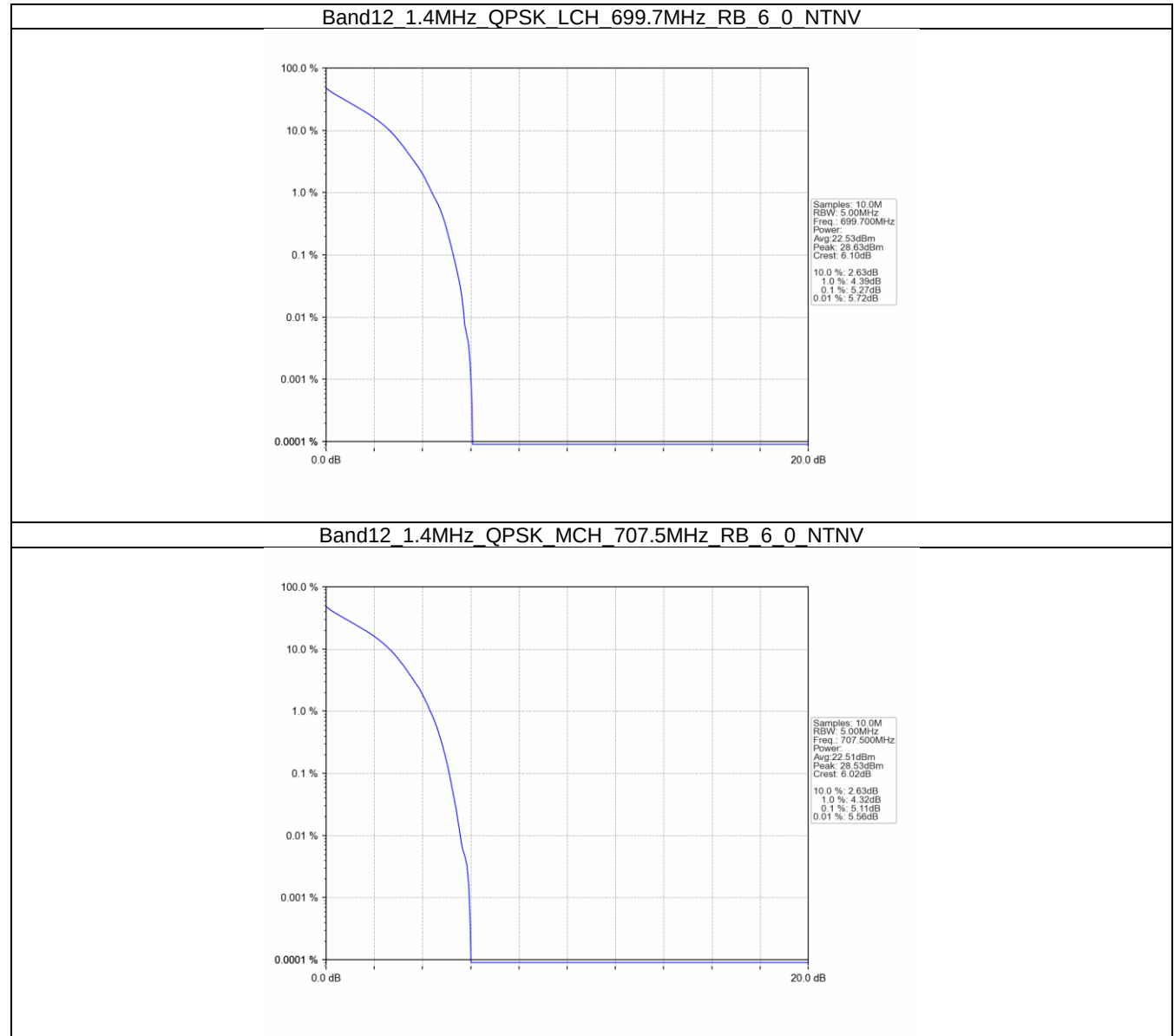
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.56	<=13	Pass
	707.5	25	0	5.47	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	701.5	25	0	6.31	<=13	Pass
	707.5	25	0	6.16	<=13	Pass
	713.5	25	0	6.08	<=13	Pass

5.1.4 B12_10MHz

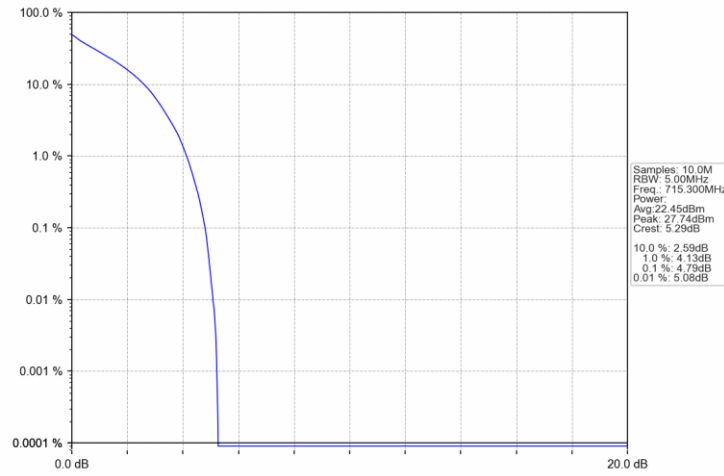
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.46	<=13	Pass
	707.5	50	0	5.44	<=13	Pass
	711	50	0	5.33	<=13	Pass
16QAM	704	50	0	6.27	<=13	Pass
	707.5	50	0	6.26	<=13	Pass
	711	50	0	6.11	<=13	Pass

5.2 Test Graph

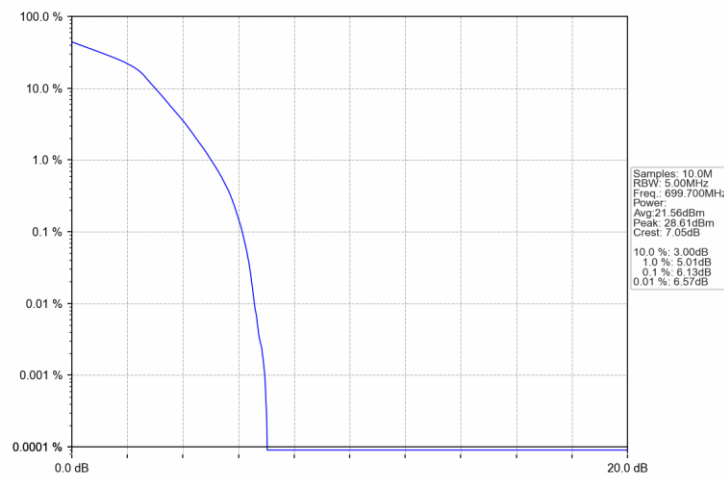
5.2.1 B12_1.4MHz



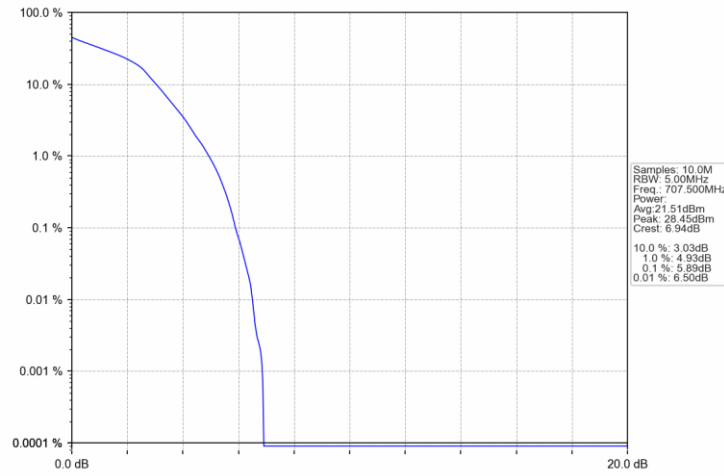
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



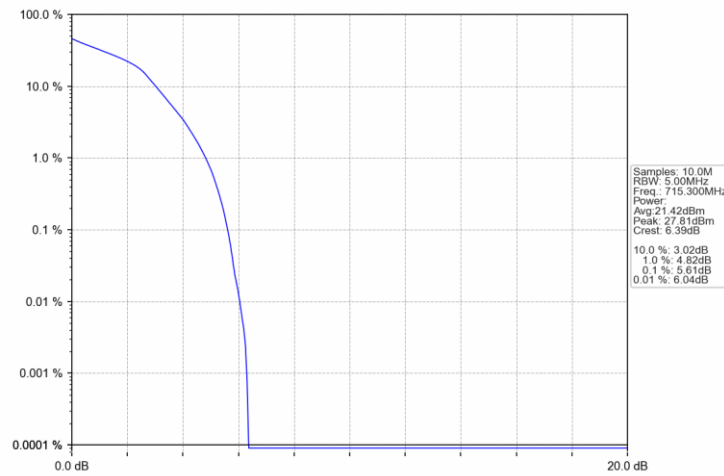
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



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

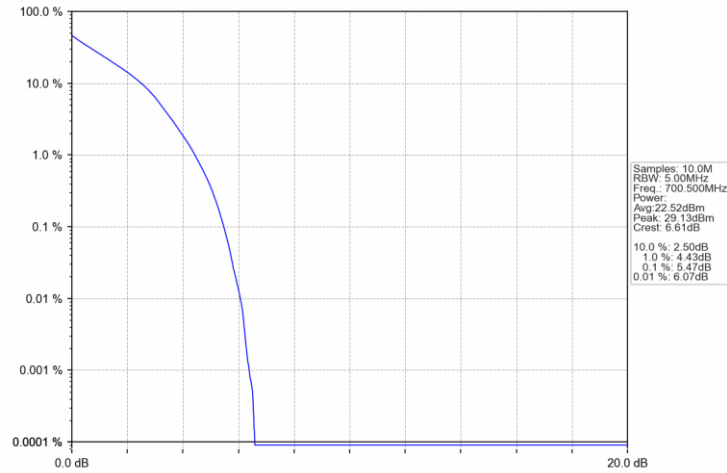


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN

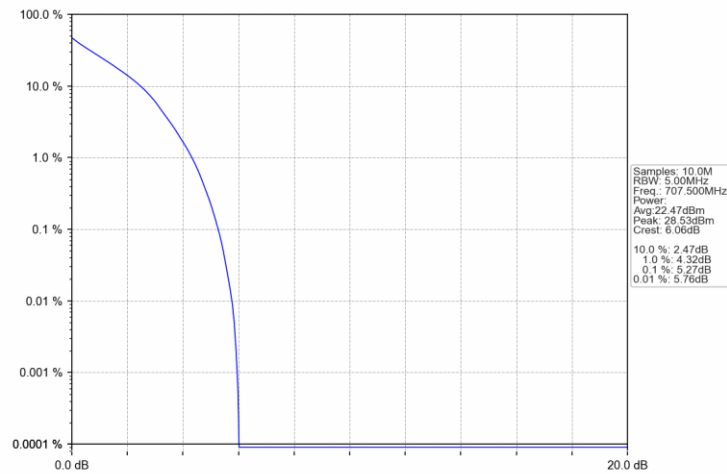


5.2.2 B12_3MHz

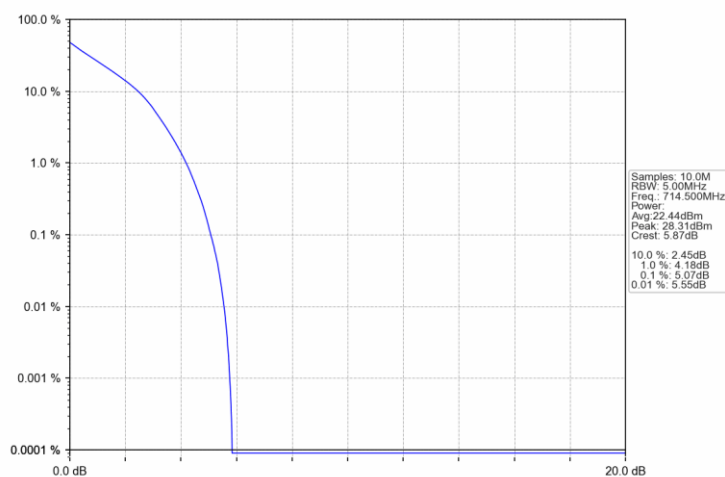
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



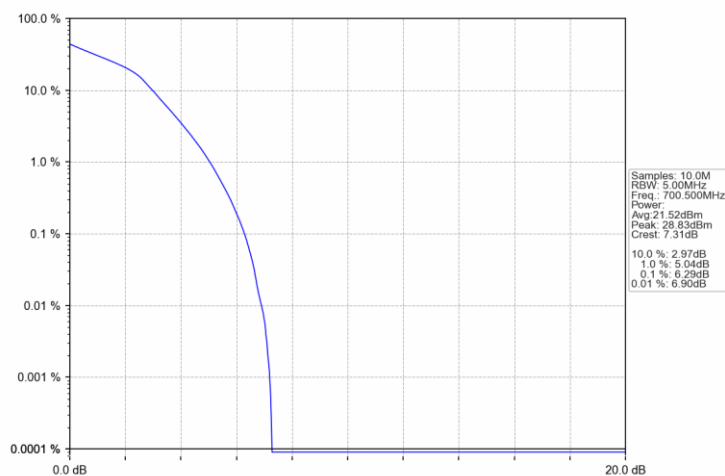
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



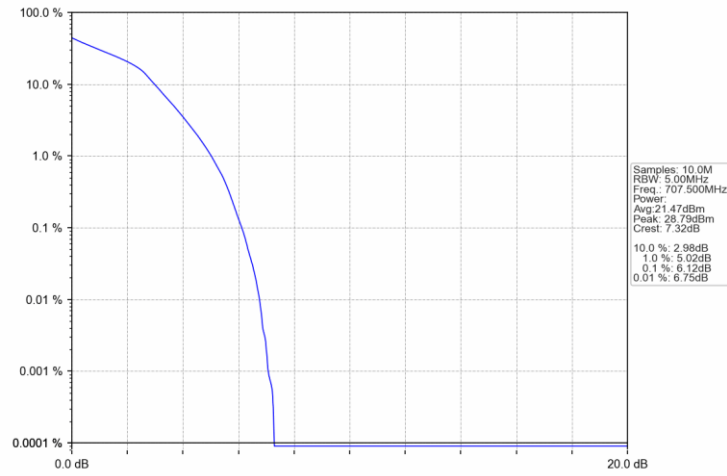
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



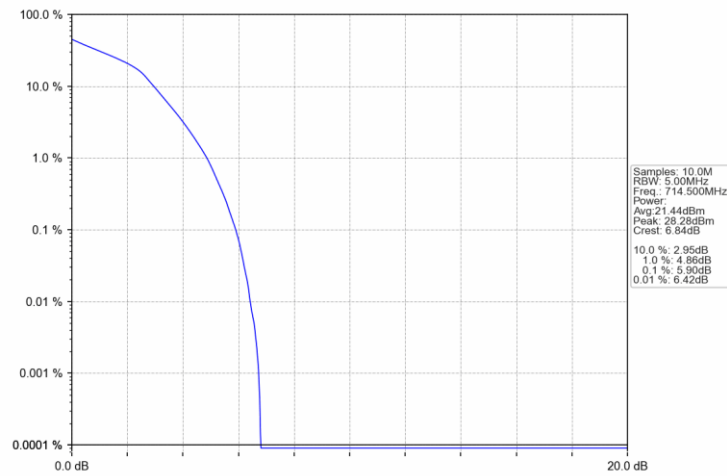
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



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

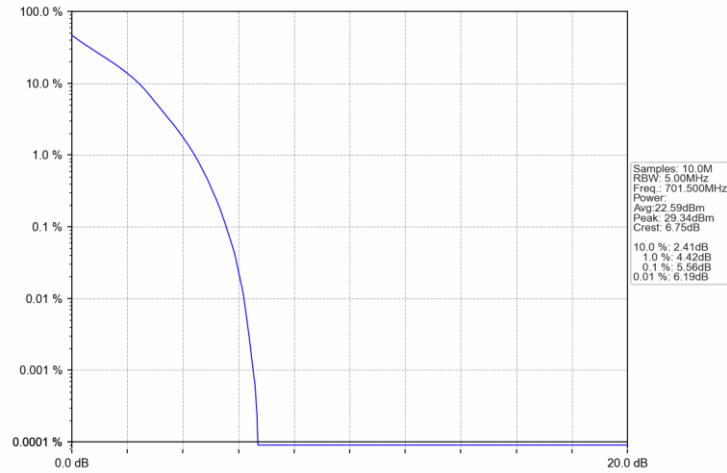


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV

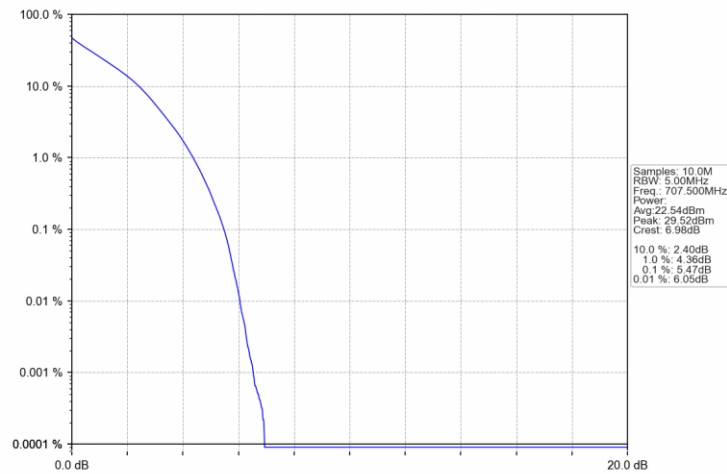


5.2.3 B12_5MHz

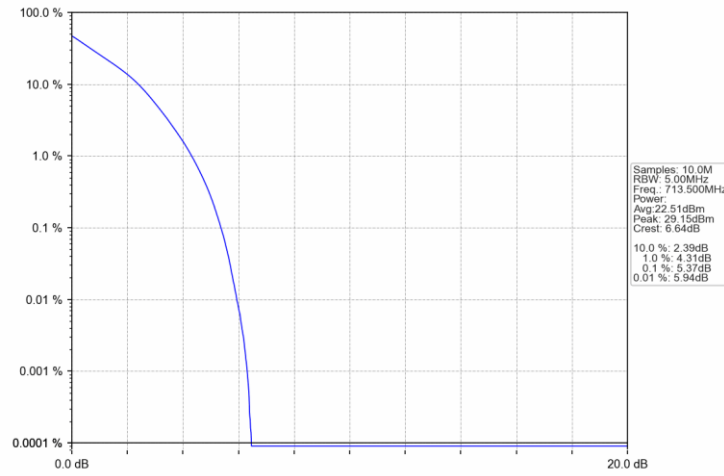
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



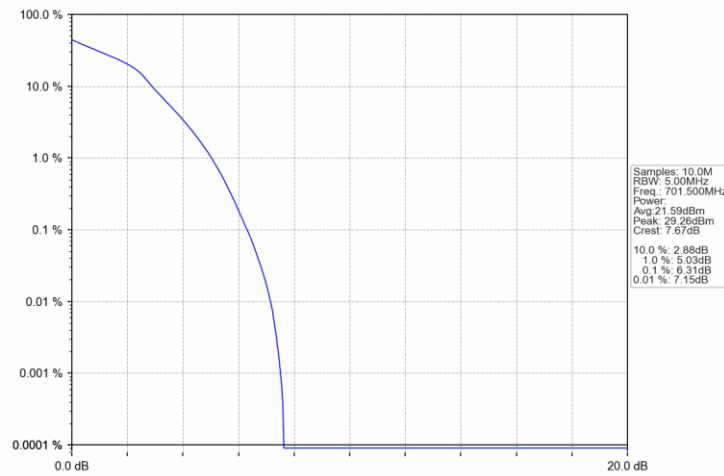
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



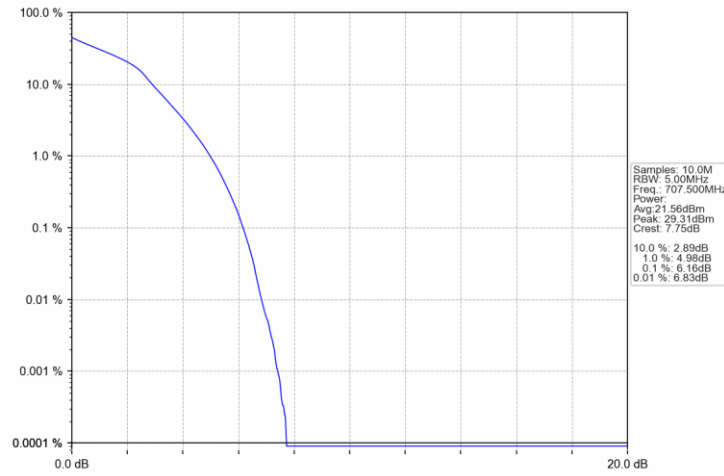
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



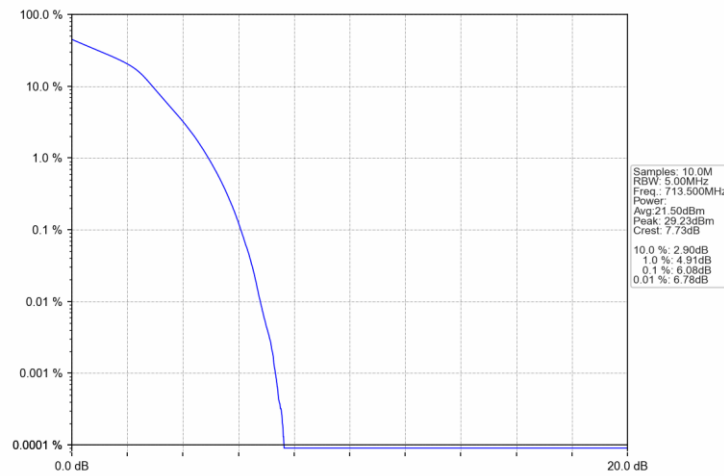
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



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

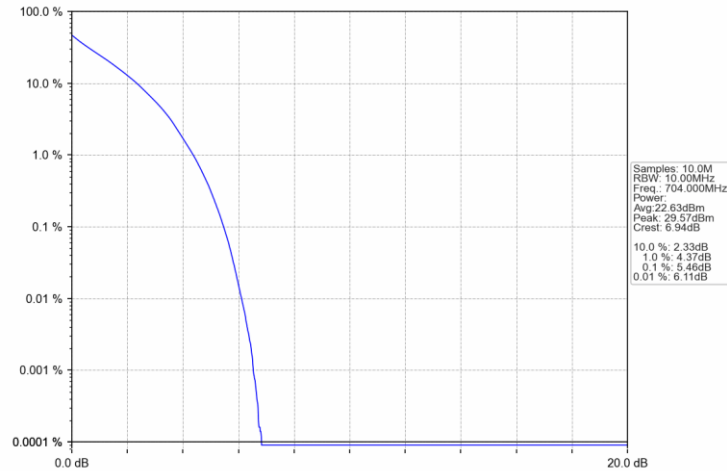


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

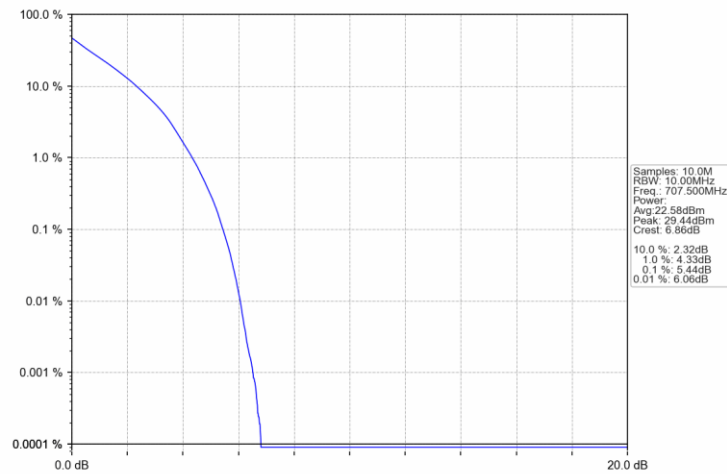


5.2.4 B12_10MHz

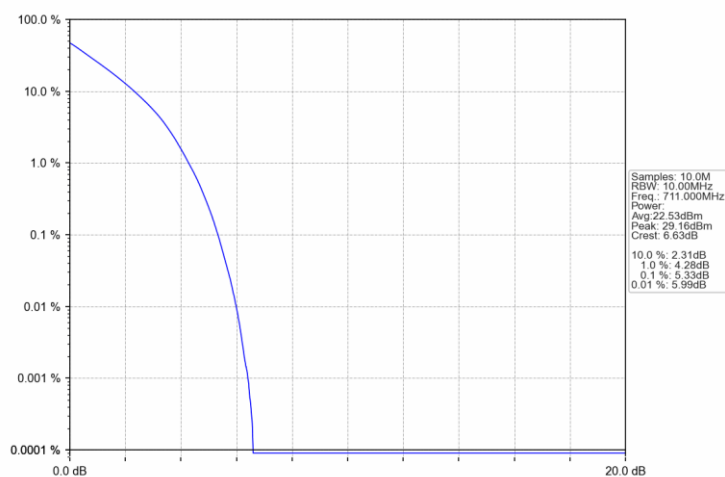
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



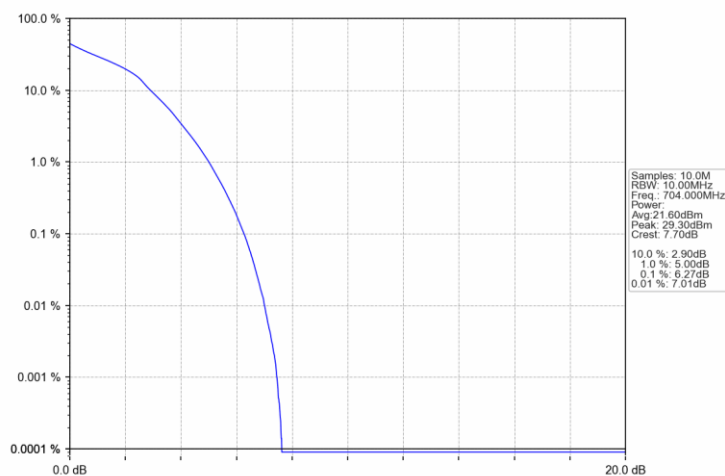
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



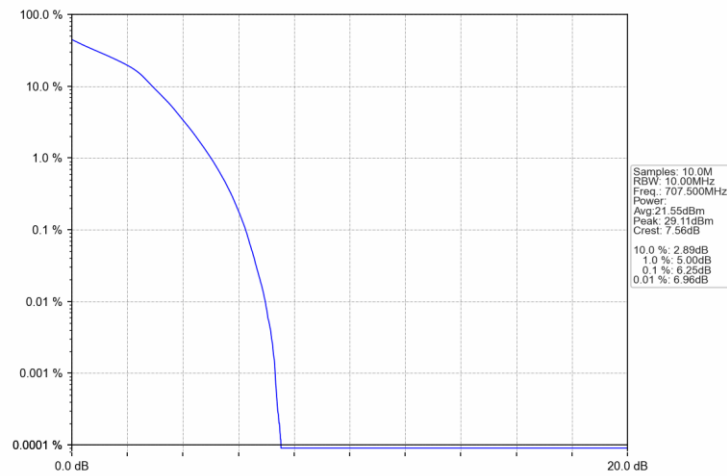
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



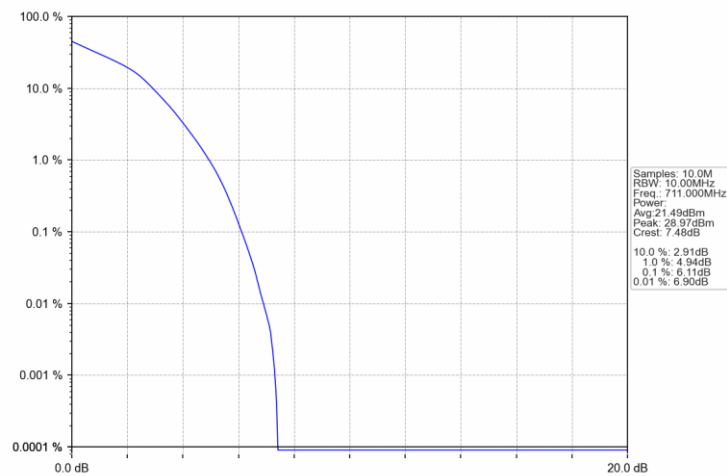
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 / 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

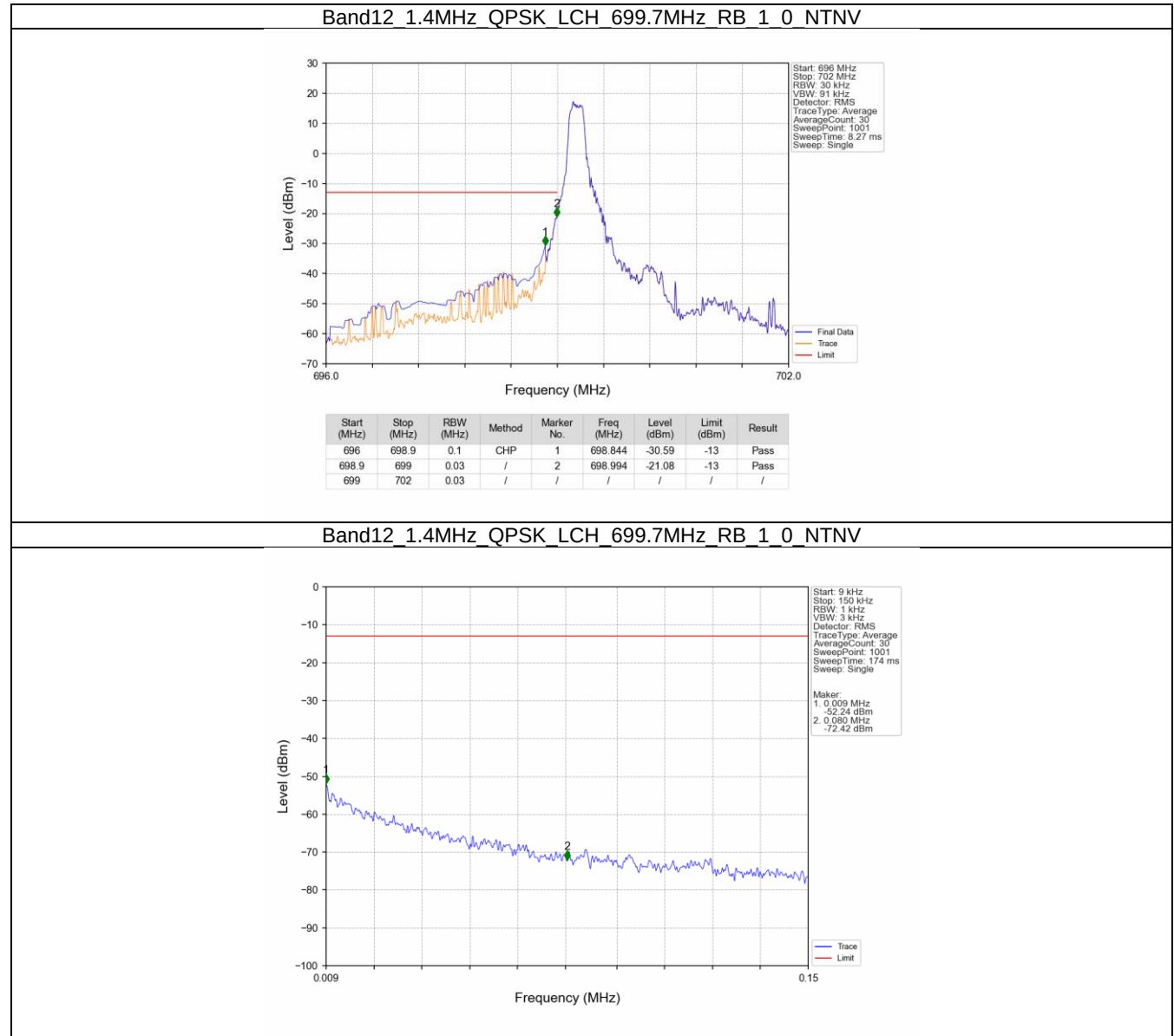
Band: 12 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

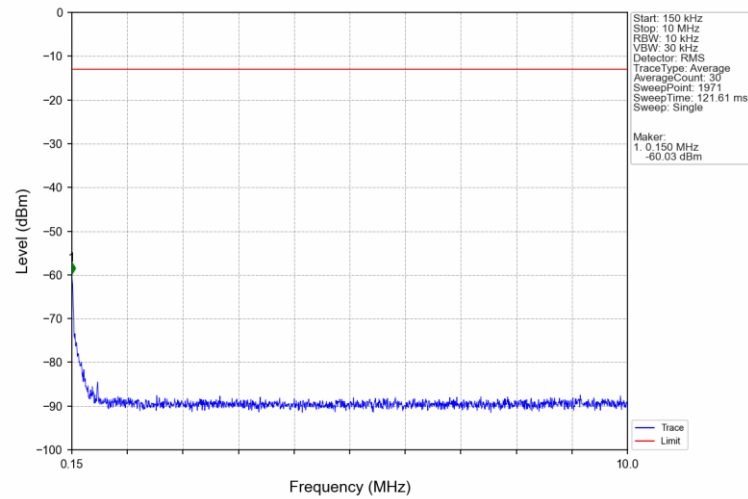
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

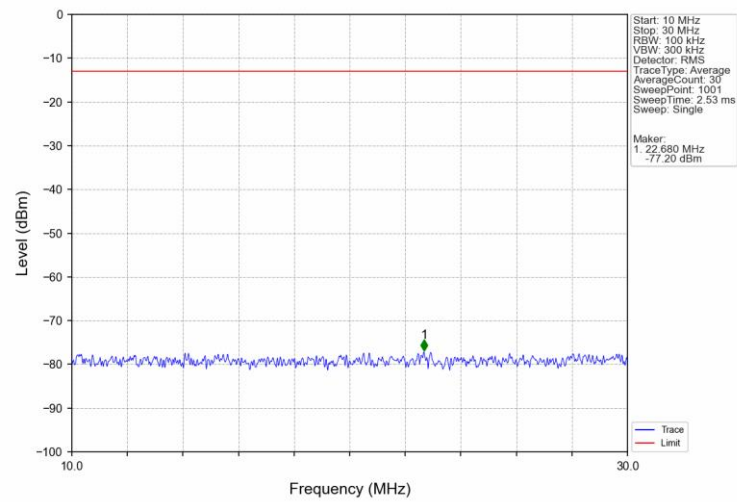
6.2.1 B12_1.4MHz



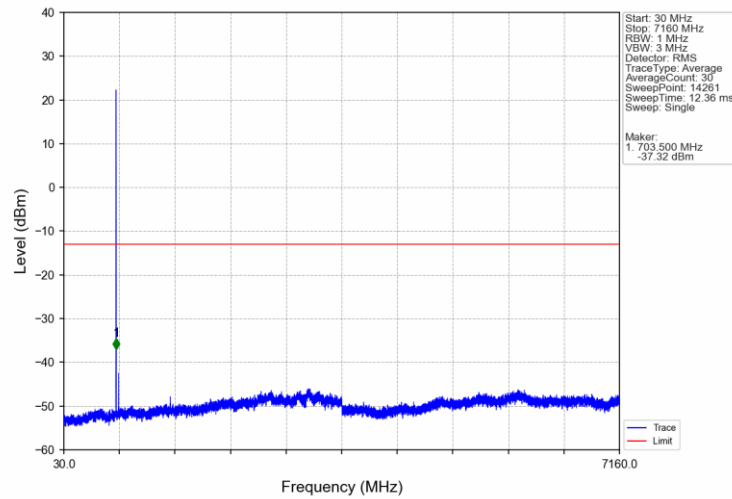
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



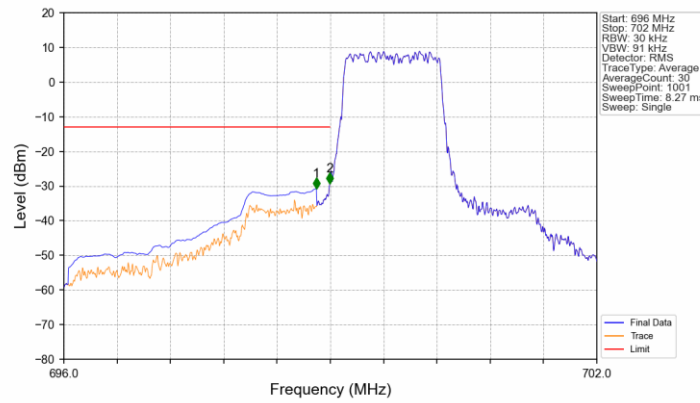
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

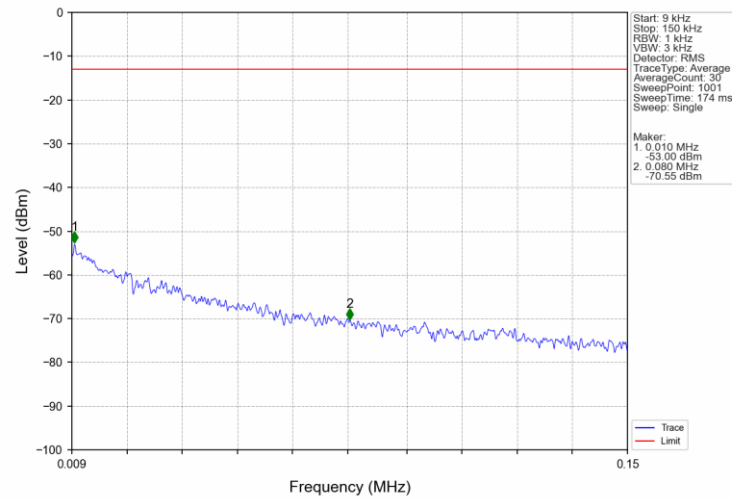


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.72	-13	Pass
698.9	699	0.03	/	2	698.994	-29.39	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV

