

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	23.52	-13.80	7.57	<=34.77	Pass
			2	23.59	-13.80	7.64	<=34.77	Pass
			5	23.60	-13.80	7.65	<=34.77	Pass
		3	0	23.55	-13.80	7.60	<=34.77	Pass
			2	23.58	-13.80	7.63	<=34.77	Pass
			3	23.58	-13.80	7.63	<=34.77	Pass
		6	0	22.57	-13.80	6.62	<=34.77	Pass
	707.5	1	0	23.61	-13.80	7.66	<=34.77	Pass
			2	23.61	-13.80	7.66	<=34.77	Pass
			5	23.65	-13.80	7.70	<=34.77	Pass
		3	0	23.69	-13.80	7.74	<=34.77	Pass
			2	23.66	-13.80	7.71	<=34.77	Pass
			3	23.68	-13.80	7.73	<=34.77	Pass
		6	0	22.72	-13.80	6.77	<=34.77	Pass
	715.3	1	0	23.71	-13.80	7.76	<=34.77	Pass
			2	23.70	-13.80	7.75	<=34.77	Pass
			5	23.68	-13.80	7.73	<=34.77	Pass
		3	0	23.87	-13.80	7.92	<=34.77	Pass
			2	23.90	-13.80	7.95	<=34.77	Pass
			3	23.84	-13.80	7.89	<=34.77	Pass
		6	0	22.82	-13.80	6.87	<=34.77	Pass
16QAM	699.7	1	0	22.60	-13.80	6.65	<=34.77	Pass
			2	22.61	-13.80	6.66	<=34.77	Pass
			5	22.67	-13.80	6.72	<=34.77	Pass
		3	0	22.59	-13.80	6.64	<=34.77	Pass
			2	22.61	-13.80	6.66	<=34.77	Pass
			3	22.59	-13.80	6.64	<=34.77	Pass
		6	0	21.46	-13.80	5.51	<=34.77	Pass
	707.5	1	0	22.87	-13.80	6.92	<=34.77	Pass
			2	22.87	-13.80	6.92	<=34.77	Pass
			5	22.86	-13.80	6.91	<=34.77	Pass
		3	0	22.68	-13.80	6.73	<=34.77	Pass
			2	22.64	-13.80	6.69	<=34.77	Pass
			3	22.68	-13.80	6.73	<=34.77	Pass
		6	0	21.73	-13.80	5.78	<=34.77	Pass
	715.3	1	0	22.60	-13.80	6.65	<=34.77	Pass
			2	22.63	-13.80	6.68	<=34.77	Pass
			5	22.51	-13.80	6.56	<=34.77	Pass
		3	0	22.97	-13.80	7.02	<=34.77	Pass
			2	23.02	-13.80	7.07	<=34.77	Pass
			3	23.01	-13.80	7.06	<=34.77	Pass
		6	0	21.81	-13.80	5.86	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

Band: 12 / Bandwidth: 3MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	700.5	1	0	23.55	-13.80	7.60	<=34.77	Pass		
			7	23.58	-13.80	7.63	<=34.77	Pass		
			14	23.58	-13.80	7.63	<=34.77	Pass		
		8	0	22.54	-13.80	6.59	<=34.77	Pass		
			4	22.55	-13.80	6.60	<=34.77	Pass		
			7	22.55	-13.80	6.60	<=34.77	Pass		
		15	0	22.56	-13.80	6.61	<=34.77	Pass		
		707.5	1	0	23.61	-13.80	7.66	<=34.77	Pass	
				7	23.63	-13.80	7.68	<=34.77	Pass	
	14			23.66	-13.80	7.71	<=34.77	Pass		
	8		0	22.66	-13.80	6.71	<=34.77	Pass		
			4	22.70	-13.80	6.75	<=34.77	Pass		
			7	22.67	-13.80	6.72	<=34.77	Pass		
	15	0	22.65	-13.80	6.70	<=34.77	Pass			
	714.5	1	0	23.85	-13.80	7.90	<=34.77	Pass		
			7	23.63	-13.80	7.68	<=34.77	Pass		
			14	23.63	-13.80	7.68	<=34.77	Pass		
		8	0	22.79	-13.80	6.84	<=34.77	Pass		
			4	22.80	-13.80	6.85	<=34.77	Pass		
			7	22.79	-13.80	6.84	<=34.77	Pass		
		15	0	22.81	-13.80	6.86	<=34.77	Pass		
		16QAM	700.5	1	0	22.63	-13.80	6.68	<=34.77	Pass
					7	22.64	-13.80	6.69	<=34.77	Pass
	14				22.63	-13.80	6.68	<=34.77	Pass	
8	0			21.62	-13.80	5.67	<=34.77	Pass		
	4			21.63	-13.80	5.68	<=34.77	Pass		
	7			21.60	-13.80	5.65	<=34.77	Pass		
15	0			21.60	-13.80	5.65	<=34.77	Pass		
707.5	1			0	22.83	-13.80	6.88	<=34.77	Pass	
				7	22.84	-13.80	6.89	<=34.77	Pass	
			14	22.72	-13.80	6.77	<=34.77	Pass		
	8		0	21.61	-13.80	5.66	<=34.77	Pass		
			4	21.66	-13.80	5.71	<=34.77	Pass		
			7	21.65	-13.80	5.70	<=34.77	Pass		
15	0		21.63	-13.80	5.68	<=34.77	Pass			
714.5	1		0	22.88	-13.80	6.93	<=34.77	Pass		
			7	22.83	-13.80	6.88	<=34.77	Pass		
			14	22.81	-13.80	6.86	<=34.77	Pass		
	8		0	21.99	-13.80	6.04	<=34.77	Pass		
			4	22.02	-13.80	6.07	<=34.77	Pass		
			7	21.99	-13.80	6.04	<=34.77	Pass		
	15		0	21.91	-13.80	5.96	<=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	23.65	-13.80	7.70	<=34.77	Pass
			13	23.60	-13.80	7.65	<=34.77	Pass
			24	23.71	-13.80	7.76	<=34.77	Pass
		12	0	22.63	-13.80	6.68	<=34.77	Pass
			6	22.54	-13.80	6.59	<=34.77	Pass
			13	22.52	-13.80	6.57	<=34.77	Pass
		25	0	22.59	-13.80	6.64	<=34.77	Pass
	707.5	1	0	23.59	-13.80	7.64	<=34.77	Pass
			13	23.20	-13.80	7.25	<=34.77	Pass
			24	23.32	-13.80	7.37	<=34.77	Pass
		12	0	22.72	-13.80	6.77	<=34.77	Pass
			6	22.71	-13.80	6.76	<=34.77	Pass
			13	22.78	-13.80	6.83	<=34.77	Pass
		25	0	22.65	-13.80	6.70	<=34.77	Pass
	713.5	1	0	23.52	-13.80	7.57	<=34.77	Pass
			13	23.52	-13.80	7.57	<=34.77	Pass
			24	23.52	-13.80	7.57	<=34.77	Pass
		12	0	22.86	-13.80	6.91	<=34.77	Pass
			6	22.77	-13.80	6.82	<=34.77	Pass
			13	22.85	-13.80	6.90	<=34.77	Pass
		25	0	22.86	-13.80	6.91	<=34.77	Pass
16QAM	701.5	1	0	22.54	-13.80	6.59	<=34.77	Pass
			13	22.61	-13.80	6.66	<=34.77	Pass
			24	22.63	-13.80	6.68	<=34.77	Pass
		12	0	21.58	-13.80	5.63	<=34.77	Pass
			6	21.53	-13.80	5.58	<=34.77	Pass
			13	21.58	-13.80	5.63	<=34.77	Pass
		25	0	21.62	-13.80	5.67	<=34.77	Pass
	707.5	1	0	22.42	-13.80	6.47	<=34.77	Pass
			13	22.44	-13.80	6.49	<=34.77	Pass
			24	22.55	-13.80	6.60	<=34.77	Pass
		12	0	21.73	-13.80	5.78	<=34.77	Pass
			6	21.74	-13.80	5.79	<=34.77	Pass
			13	21.79	-13.80	5.84	<=34.77	Pass
		25	0	21.67	-13.80	5.72	<=34.77	Pass
	713.5	1	0	22.17	-13.80	6.22	<=34.77	Pass
			13	22.17	-13.80	6.22	<=34.77	Pass
			24	22.21	-13.80	6.26	<=34.77	Pass
		12	0	21.85	-13.80	5.90	<=34.77	Pass
			6	21.81	-13.80	5.86	<=34.77	Pass
			13	21.85	-13.80	5.90	<=34.77	Pass
		25	0	21.88	-13.80	5.93	<=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	23.56	-13.80	7.61	<=34.77	Pass		
			25	23.66	-13.80	7.71	<=34.77	Pass		
			49	23.72	-13.80	7.77	<=34.77	Pass		
		25	0	22.58	-13.80	6.63	<=34.77	Pass		
			13	22.65	-13.80	6.70	<=34.77	Pass		
			25	22.75	-13.80	6.80	<=34.77	Pass		
		50	0	22.68	-13.80	6.73	<=34.77	Pass		
		707.5	1	0	23.36	-13.80	7.41	<=34.77	Pass	
				25	23.30	-13.80	7.35	<=34.77	Pass	
	49			23.34	-13.80	7.39	<=34.77	Pass		
	25		0	22.63	-13.80	6.68	<=34.77	Pass		
			13	22.69	-13.80	6.74	<=34.77	Pass		
			25	22.68	-13.80	6.73	<=34.77	Pass		
	50		0	22.68	-13.80	6.73	<=34.77	Pass		
	711		1	0	23.18	-13.80	7.23	<=34.77	Pass	
				25	23.34	-13.80	7.39	<=34.77	Pass	
		49		23.40	-13.80	7.45	<=34.77	Pass		
		25	0	22.69	-13.80	6.74	<=34.77	Pass		
			13	22.79	-13.80	6.84	<=34.77	Pass		
			25	22.76	-13.80	6.81	<=34.77	Pass		
		50	0	22.73	-13.80	6.78	<=34.77	Pass		
		16QAM	704	1	0	22.38	-13.80	6.43	<=34.77	Pass
					25	22.36	-13.80	6.41	<=34.77	Pass
	49				22.39	-13.80	6.44	<=34.77	Pass	
25	0			21.68	-13.80	5.73	<=34.77	Pass		
	13			21.72	-13.80	5.77	<=34.77	Pass		
	25			21.82	-13.80	5.87	<=34.77	Pass		
50	0			21.66	-13.80	5.71	<=34.77	Pass		
707.5	1			0	22.30	-13.80	6.35	<=34.77	Pass	
				25	22.50	-13.80	6.55	<=34.77	Pass	
			49	22.51	-13.80	6.56	<=34.77	Pass		
	25		0	21.67	-13.80	5.72	<=34.77	Pass		
			13	21.72	-13.80	5.77	<=34.77	Pass		
			25	21.71	-13.80	5.76	<=34.77	Pass		
50	0		21.66	-13.80	5.71	<=34.77	Pass			
711	1		0	22.71	-13.80	6.76	<=34.77	Pass		
			25	22.83	-13.80	6.88	<=34.77	Pass		
			49	22.86	-13.80	6.91	<=34.77	Pass		
	25		0	21.74	-13.80	5.79	<=34.77	Pass		
			13	21.86	-13.80	5.91	<=34.77	Pass		
			25	21.81	-13.80	5.86	<=34.77	Pass		
	50		0	21.76	-13.80	5.81	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	699.7	6	0	20	LV	3.204	0.0046	-2.5 to 2.5	Pass
					NV	-5.908	-0.0084	-2.5 to 2.5	Pass
					HV	-2.103	-0.0030	-2.5 to 2.5	Pass
				-30	NV	-3.591	-0.0051	-2.5 to 2.5	Pass
				-20	NV	-4.048	-0.0058	-2.5 to 2.5	Pass
				-10	NV	-0.973	-0.0014	-2.5 to 2.5	Pass
				0	NV	0.315	0.0005	-2.5 to 2.5	Pass
				10	NV	-2.947	-0.0042	-2.5 to 2.5	Pass
				30	NV	4.163	0.0059	-2.5 to 2.5	Pass
				40	NV	-2.403	-0.0034	-2.5 to 2.5	Pass
				50	NV	-4.964	-0.0071	-2.5 to 2.5	Pass
	707.5	6	0	20	LV	-1.073	-0.0015	-2.5 to 2.5	Pass
					NV	2.375	0.0034	-2.5 to 2.5	Pass
					HV	3.018	0.0043	-2.5 to 2.5	Pass
				-30	NV	3.848	0.0054	-2.5 to 2.5	Pass
				-20	NV	3.519	0.0050	-2.5 to 2.5	Pass
				-10	NV	5.050	0.0071	-2.5 to 2.5	Pass
				0	NV	0.415	0.0006	-2.5 to 2.5	Pass
				10	NV	3.204	0.0045	-2.5 to 2.5	Pass
				30	NV	0.944	0.0013	-2.5 to 2.5	Pass
				40	NV	-3.762	-0.0053	-2.5 to 2.5	Pass
				50	NV	-1.016	-0.0014	-2.5 to 2.5	Pass
	715.3	6	0	20	LV	0.873	0.0012	-2.5 to 2.5	Pass
					NV	0.415	0.0006	-2.5 to 2.5	Pass
					HV	1.774	0.0025	-2.5 to 2.5	Pass
				-30	NV	-0.930	-0.0013	-2.5 to 2.5	Pass
				-20	NV	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	NV	0.401	0.0006	-2.5 to 2.5	Pass
				0	NV	1.988	0.0028	-2.5 to 2.5	Pass
				10	NV	0.515	0.0007	-2.5 to 2.5	Pass
				30	NV	-4.606	-0.0064	-2.5 to 2.5	Pass
				40	NV	1.130	0.0016	-2.5 to 2.5	Pass
				50	NV	1.187	0.0017	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	LV	-5.264	-0.0075	-2.5 to 2.5	Pass
					NV	-2.389	-0.0034	-2.5 to 2.5	Pass
					HV	-1.044	-0.0015	-2.5 to 2.5	Pass
				-30	NV	3.104	0.0044	-2.5 to 2.5	Pass
				-20	NV	-3.419	-0.0049	-2.5 to 2.5	Pass
				-10	NV	-3.190	-0.0046	-2.5 to 2.5	Pass
				0	NV	-6.309	-0.0090	-2.5 to 2.5	Pass
				10	NV	3.033	0.0043	-2.5 to 2.5	Pass
				30	NV	-1.888	-0.0027	-2.5 to 2.5	Pass
				40	NV	0.587	0.0008	-2.5 to 2.5	Pass
				50	NV	-4.578	-0.0065	-2.5 to 2.5	Pass
	707.5	6	0	20	LV	-0.129	-0.0002	-2.5 to 2.5	Pass
					NV	-4.134	-0.0058	-2.5 to 2.5	Pass
					HV	2.532	0.0036	-2.5 to 2.5	Pass
				-30	NV	0.200	0.0003	-2.5 to 2.5	Pass
				-20	NV	0.257	0.0004	-2.5 to 2.5	Pass
				-10	NV	1.559	0.0022	-2.5 to 2.5	Pass

				0	NV	-2.847	-0.0040	-2.5 to 2.5	Pass
				10	NV	4.935	0.0070	-2.5 to 2.5	Pass
				30	NV	2.503	0.0035	-2.5 to 2.5	Pass
				40	NV	-0.830	-0.0012	-2.5 to 2.5	Pass
				50	NV	0.701	0.0010	-2.5 to 2.5	Pass
	715.3	6	0	20	LV	-2.632	-0.0037	-2.5 to 2.5	Pass
					NV	-0.014	0.0000	-2.5 to 2.5	Pass
					HV	0.515	0.0007	-2.5 to 2.5	Pass
				-30	NV	-6.037	-0.0084	-2.5 to 2.5	Pass
				-20	NV	-2.561	-0.0036	-2.5 to 2.5	Pass
				-10	NV	4.120	0.0058	-2.5 to 2.5	Pass
				0	NV	0.029	0.0000	-2.5 to 2.5	Pass
				10	NV	-0.844	-0.0012	-2.5 to 2.5	Pass
				30	NV	-3.462	-0.0048	-2.5 to 2.5	Pass
				40	NV	-4.578	-0.0064	-2.5 to 2.5	Pass
				50	NV	0.744	0.0010	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	LV	-2.146	-0.0031	-2.5 to 2.5	Pass
					NV	-2.131	-0.0030	-2.5 to 2.5	Pass
					HV	0.057	0.0001	-2.5 to 2.5	Pass
				-30	NV	-1.831	-0.0026	-2.5 to 2.5	Pass
				-20	NV	0.815	0.0012	-2.5 to 2.5	Pass
				-10	NV	-1.888	-0.0027	-2.5 to 2.5	Pass
				0	NV	-2.003	-0.0029	-2.5 to 2.5	Pass
				10	NV	1.702	0.0024	-2.5 to 2.5	Pass
				30	NV	-3.119	-0.0045	-2.5 to 2.5	Pass
				40	NV	-0.615	-0.0009	-2.5 to 2.5	Pass
	707.5	15	0	20	LV	0.501	0.0007	-2.5 to 2.5	Pass
					NV	1.316	0.0019	-2.5 to 2.5	Pass
					HV	-4.807	-0.0068	-2.5 to 2.5	Pass
				-30	NV	-4.849	-0.0069	-2.5 to 2.5	Pass
				-20	NV	-5.178	-0.0073	-2.5 to 2.5	Pass
				-10	NV	-2.046	-0.0029	-2.5 to 2.5	Pass
				0	NV	-0.186	-0.0003	-2.5 to 2.5	Pass
				10	NV	0.815	0.0012	-2.5 to 2.5	Pass
				30	NV	0.200	0.0003	-2.5 to 2.5	Pass
				40	NV	-1.802	-0.0025	-2.5 to 2.5	Pass
	714.5	15	0	20	LV	-2.675	-0.0037	-2.5 to 2.5	Pass
					NV	0.529	0.0007	-2.5 to 2.5	Pass
					HV	-2.975	-0.0042	-2.5 to 2.5	Pass
				-30	NV	1.559	0.0022	-2.5 to 2.5	Pass
				-20	NV	-3.104	-0.0043	-2.5 to 2.5	Pass
				-10	NV	0.815	0.0011	-2.5 to 2.5	Pass
				0	NV	1.659	0.0023	-2.5 to 2.5	Pass
				10	NV	2.346	0.0033	-2.5 to 2.5	Pass
				30	NV	1.245	0.0017	-2.5 to 2.5	Pass
				40	NV	-2.017	-0.0028	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	NV	-0.858	-0.0012	-2.5 to 2.5	Pass
					LV	2.975	0.0042	-2.5 to 2.5	Pass
					HV	-3.691	-0.0053	-2.5 to 2.5	Pass

				-30	NV	2.017	0.0029	-2.5 to 2.5	Pass
				-20	NV	0.000	0.0000	-2.5 to 2.5	Pass
				-10	NV	0.587	0.0008	-2.5 to 2.5	Pass
				0	NV	-2.961	-0.0042	-2.5 to 2.5	Pass
				10	NV	0.157	0.0002	-2.5 to 2.5	Pass
				30	NV	-1.173	-0.0017	-2.5 to 2.5	Pass
				40	NV	-2.918	-0.0042	-2.5 to 2.5	Pass
				50	NV	0.415	0.0006	-2.5 to 2.5	Pass
	707.5	15	0	20	LV	0.186	0.0003	-2.5 to 2.5	Pass
					NV	1.431	0.0020	-2.5 to 2.5	Pass
					HV	-4.549	-0.0064	-2.5 to 2.5	Pass
				-30	NV	-4.621	-0.0065	-2.5 to 2.5	Pass
				-20	NV	0.758	0.0011	-2.5 to 2.5	Pass
				-10	NV	1.030	0.0015	-2.5 to 2.5	Pass
				0	NV	-0.386	-0.0005	-2.5 to 2.5	Pass
				10	NV	-1.903	-0.0027	-2.5 to 2.5	Pass
				30	NV	-2.975	-0.0042	-2.5 to 2.5	Pass
				40	NV	-9.899	-0.0140	-2.5 to 2.5	Pass
				50	NV	-2.418	-0.0034	-2.5 to 2.5	Pass
	714.5	15	0	20	LV	-1.774	-0.0025	-2.5 to 2.5	Pass
					NV	0.000	0.0000	-2.5 to 2.5	Pass
					HV	-0.815	-0.0011	-2.5 to 2.5	Pass
				-30	NV	-3.905	-0.0055	-2.5 to 2.5	Pass
				-20	NV	-2.847	-0.0040	-2.5 to 2.5	Pass
				-10	NV	0.730	0.0010	-2.5 to 2.5	Pass
				0	NV	-3.433	-0.0048	-2.5 to 2.5	Pass
				10	NV	-0.973	-0.0014	-2.5 to 2.5	Pass
				30	NV	0.787	0.0011	-2.5 to 2.5	Pass
				40	NV	-1.230	-0.0017	-2.5 to 2.5	Pass
				50	NV	0.014	0.0000	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	LV	0.587	0.0008	-2.5 to 2.5	Pass
					NV	-2.775	-0.0040	-2.5 to 2.5	Pass
					HV	-0.429	-0.0006	-2.5 to 2.5	Pass
				-30	NV	-0.844	-0.0012	-2.5 to 2.5	Pass
				-20	NV	0.172	0.0002	-2.5 to 2.5	Pass
				-10	NV	2.747	0.0039	-2.5 to 2.5	Pass
				0	NV	-1.302	-0.0019	-2.5 to 2.5	Pass
				10	NV	2.031	0.0029	-2.5 to 2.5	Pass
				30	NV	2.074	0.0030	-2.5 to 2.5	Pass
				40	NV	-3.133	-0.0045	-2.5 to 2.5	Pass
				50	NV	0.973	0.0014	-2.5 to 2.5	Pass
	707.5	25	0	20	LV	0.715	0.0010	-2.5 to 2.5	Pass
					NV	-3.877	-0.0055	-2.5 to 2.5	Pass
					HV	0.658	0.0009	-2.5 to 2.5	Pass
				-30	NV	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	NV	-0.257	-0.0004	-2.5 to 2.5	Pass
				-10	NV	-2.003	-0.0028	-2.5 to 2.5	Pass
				0	NV	-3.219	-0.0045	-2.5 to 2.5	Pass
				10	NV	2.003	0.0028	-2.5 to 2.5	Pass
				30	NV	-0.787	-0.0011	-2.5 to 2.5	Pass
				40	NV	-4.120	-0.0058	-2.5 to 2.5	Pass
				50	NV	0.544	0.0008	-2.5 to 2.5	Pass

	713.5	25	0	20	LV	-2.718	-0.0038	-2.5 to 2.5	Pass
					NV	0.386	0.0005	-2.5 to 2.5	Pass
					HV	0.272	0.0004	-2.5 to 2.5	Pass
				-30	NV	-2.232	-0.0031	-2.5 to 2.5	Pass
				-20	NV	0.186	0.0003	-2.5 to 2.5	Pass
				-10	NV	-1.101	-0.0015	-2.5 to 2.5	Pass
				0	NV	-2.947	-0.0041	-2.5 to 2.5	Pass
				10	NV	-1.917	-0.0027	-2.5 to 2.5	Pass
				30	NV	-2.546	-0.0036	-2.5 to 2.5	Pass
				40	NV	-2.160	-0.0030	-2.5 to 2.5	Pass
				50	NV	-2.618	-0.0037	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	LV	-0.472	-0.0007	-2.5 to 2.5	Pass
					NV	3.433	0.0049	-2.5 to 2.5	Pass
					HV	1.431	0.0020	-2.5 to 2.5	Pass
				-30	NV	0.129	0.0002	-2.5 to 2.5	Pass
				-20	NV	-0.300	-0.0004	-2.5 to 2.5	Pass
				-10	NV	-0.944	-0.0013	-2.5 to 2.5	Pass
				0	NV	-1.316	-0.0019	-2.5 to 2.5	Pass
				10	NV	2.847	0.0041	-2.5 to 2.5	Pass
				30	NV	-1.802	-0.0026	-2.5 to 2.5	Pass
				40	NV	-1.945	-0.0028	-2.5 to 2.5	Pass
				50	NV	1.473	0.0021	-2.5 to 2.5	Pass
	707.5	25	0	20	LV	1.860	0.0026	-2.5 to 2.5	Pass
					NV	0.072	0.0001	-2.5 to 2.5	Pass
					HV	-2.475	-0.0035	-2.5 to 2.5	Pass
				-30	NV	-3.662	-0.0052	-2.5 to 2.5	Pass
				-20	NV	-0.172	-0.0002	-2.5 to 2.5	Pass
				-10	NV	-2.046	-0.0029	-2.5 to 2.5	Pass
				0	NV	-1.402	-0.0020	-2.5 to 2.5	Pass
				10	NV	-1.802	-0.0025	-2.5 to 2.5	Pass
				30	NV	-1.359	-0.0019	-2.5 to 2.5	Pass
				40	NV	-0.057	-0.0001	-2.5 to 2.5	Pass
				50	NV	1.702	0.0024	-2.5 to 2.5	Pass
	713.5	25	0	20	LV	-0.858	-0.0012	-2.5 to 2.5	Pass
					NV	-3.762	-0.0053	-2.5 to 2.5	Pass
					HV	-1.545	-0.0022	-2.5 to 2.5	Pass
				-30	NV	-1.373	-0.0019	-2.5 to 2.5	Pass
				-20	NV	-1.316	-0.0018	-2.5 to 2.5	Pass
				-10	NV	0.486	0.0007	-2.5 to 2.5	Pass
				0	NV	-5.679	-0.0080	-2.5 to 2.5	Pass
				10	NV	-2.546	-0.0036	-2.5 to 2.5	Pass
				30	NV	0.944	0.0013	-2.5 to 2.5	Pass
				40	NV	-3.233	-0.0045	-2.5 to 2.5	Pass
				50	NV	2.689	0.0038	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	LV	-1.516	-0.0022	-2.5 to 2.5	Pass
					NV	-1.230	-0.0017	-2.5 to 2.5	Pass
					HV	0.343	0.0005	-2.5 to 2.5	Pass
				-30	NV	-1.173	-0.0017	-2.5 to 2.5	Pass
				-20	NV	-1.087	-0.0015	-2.5 to 2.5	Pass
				-10	NV	-2.031	-0.0029	-2.5 to 2.5	Pass
				0	NV	-0.644	-0.0009	-2.5 to 2.5	Pass
				10	NV	-1.302	-0.0018	-2.5 to 2.5	Pass

				30	NV	1.702	0.0024	-2.5 to 2.5	Pass
				40	NV	0.401	0.0006	-2.5 to 2.5	Pass
				50	NV	0.100	0.0001	-2.5 to 2.5	Pass
	707.5	50	0	20	LV	-1.173	-0.0017	-2.5 to 2.5	Pass
					NV	1.259	0.0018	-2.5 to 2.5	Pass
					HV	1.316	0.0019	-2.5 to 2.5	Pass
				-30	NV	2.389	0.0034	-2.5 to 2.5	Pass
				-20	NV	1.588	0.0022	-2.5 to 2.5	Pass
				-10	NV	-1.001	-0.0014	-2.5 to 2.5	Pass
				0	NV	1.745	0.0025	-2.5 to 2.5	Pass
				10	NV	0.415	0.0006	-2.5 to 2.5	Pass
				30	NV	1.702	0.0024	-2.5 to 2.5	Pass
				40	NV	-1.087	-0.0015	-2.5 to 2.5	Pass
				50	NV	1.044	0.0015	-2.5 to 2.5	Pass
	711	50	0	20	LV	1.760	0.0025	-2.5 to 2.5	Pass
					NV	0.172	0.0002	-2.5 to 2.5	Pass
					HV	0.615	0.0009	-2.5 to 2.5	Pass
				-30	NV	0.987	0.0014	-2.5 to 2.5	Pass
				-20	NV	0.973	0.0014	-2.5 to 2.5	Pass
				-10	NV	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	NV	0.486	0.0007	-2.5 to 2.5	Pass
				10	NV	-1.588	-0.0022	-2.5 to 2.5	Pass
				30	NV	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	NV	-2.375	-0.0033	-2.5 to 2.5	Pass
				50	NV	0.215	0.0003	-2.5 to 2.5	Pass
16QAM	704	50	0	20	LV	-0.830	-0.0012	-2.5 to 2.5	Pass
					NV	-1.431	-0.0020	-2.5 to 2.5	Pass
					HV	-0.715	-0.0010	-2.5 to 2.5	Pass
				-30	NV	0.114	0.0002	-2.5 to 2.5	Pass
				-20	NV	0.658	0.0009	-2.5 to 2.5	Pass
				-10	NV	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	NV	0.701	0.0010	-2.5 to 2.5	Pass
				10	NV	1.674	0.0024	-2.5 to 2.5	Pass
				30	NV	-1.259	-0.0018	-2.5 to 2.5	Pass
				40	NV	-0.243	-0.0003	-2.5 to 2.5	Pass
				50	NV	-0.587	-0.0008	-2.5 to 2.5	Pass
	707.5	50	0	20	LV	2.232	0.0032	-2.5 to 2.5	Pass
					NV	-1.173	-0.0017	-2.5 to 2.5	Pass
					HV	-1.273	-0.0018	-2.5 to 2.5	Pass
				-30	NV	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	NV	-1.245	-0.0018	-2.5 to 2.5	Pass
				-10	NV	0.429	0.0006	-2.5 to 2.5	Pass
				0	NV	0.930	0.0013	-2.5 to 2.5	Pass
				10	NV	-0.615	-0.0009	-2.5 to 2.5	Pass
				30	NV	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	NV	-0.830	-0.0012	-2.5 to 2.5	Pass
				50	NV	-0.987	-0.0014	-2.5 to 2.5	Pass
	711	50	0	20	LV	0.772	0.0011	-2.5 to 2.5	Pass
					NV	0.257	0.0004	-2.5 to 2.5	Pass
					HV	0.029	0.0000	-2.5 to 2.5	Pass
				-30	NV	-2.260	-0.0032	-2.5 to 2.5	Pass
				-20	NV	2.804	0.0039	-2.5 to 2.5	Pass
				-10	NV	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	NV	0.057	0.0001	-2.5 to 2.5	Pass
				10	NV	2.632	0.0037	-2.5 to 2.5	Pass
				30	NV	-0.672	-0.0009	-2.5 to 2.5	Pass
				40	NV	-1.402	-0.0020	-2.5 to 2.5	Pass
				50	NV	-2.661	-0.0037	-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

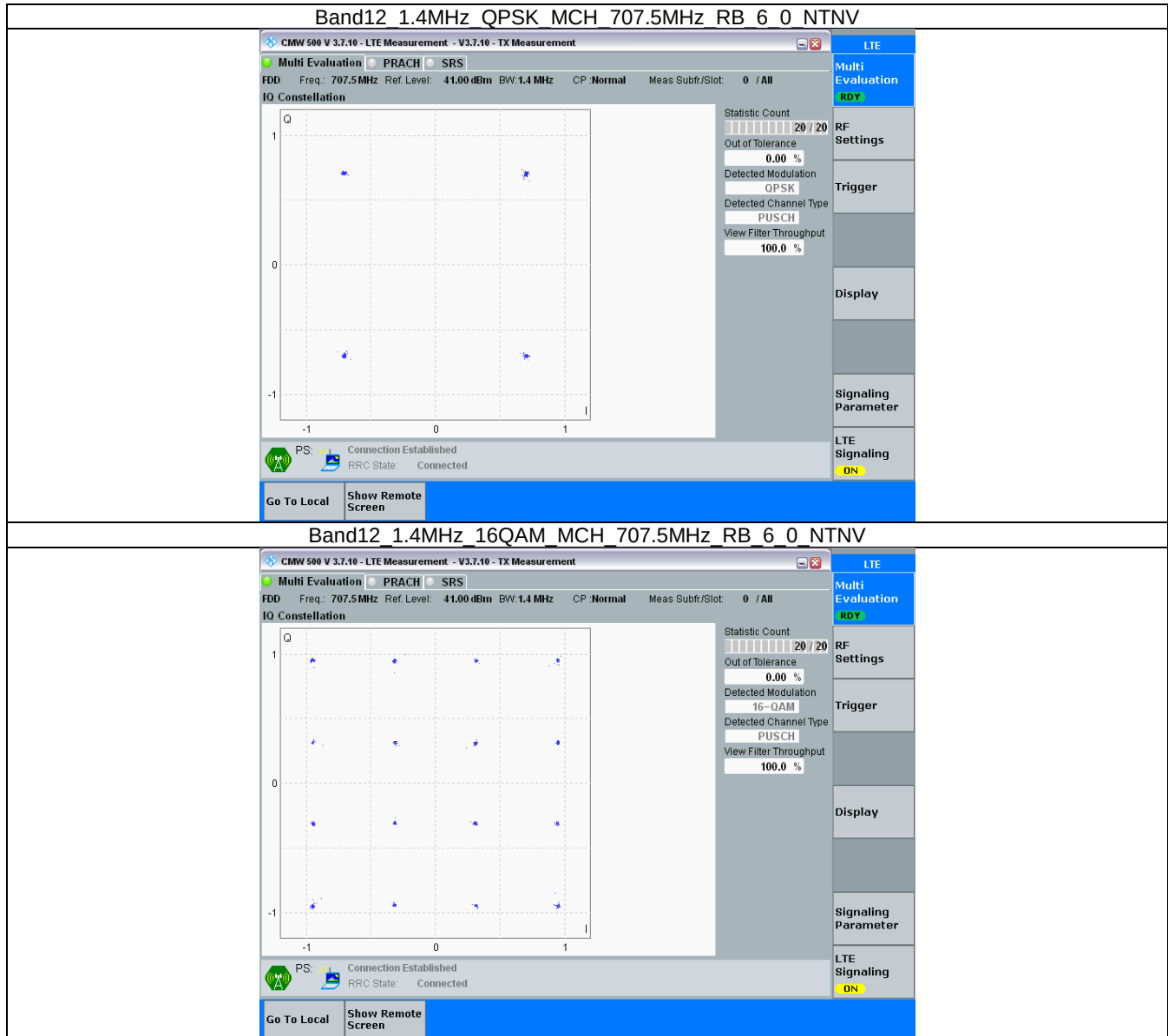
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

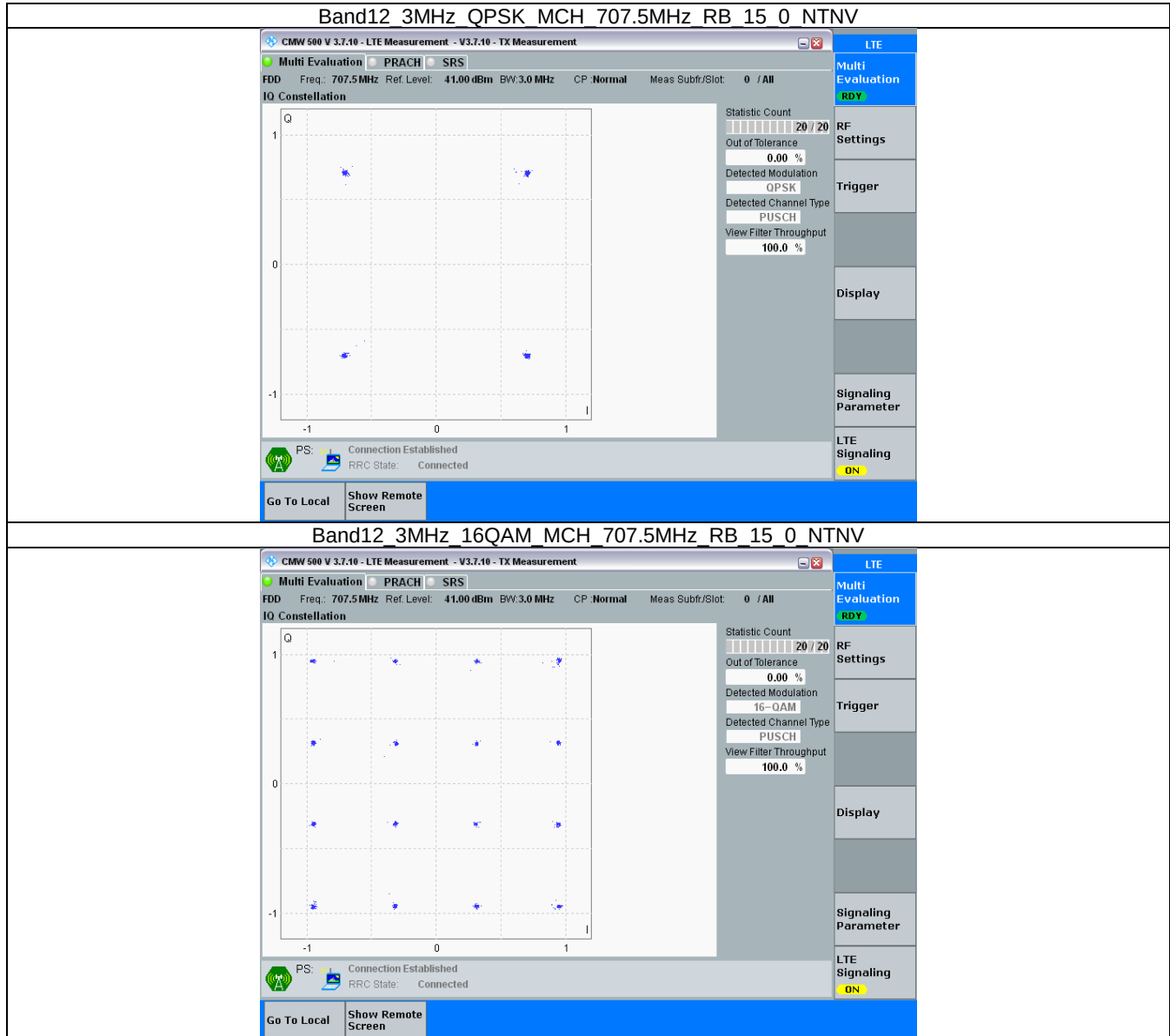
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

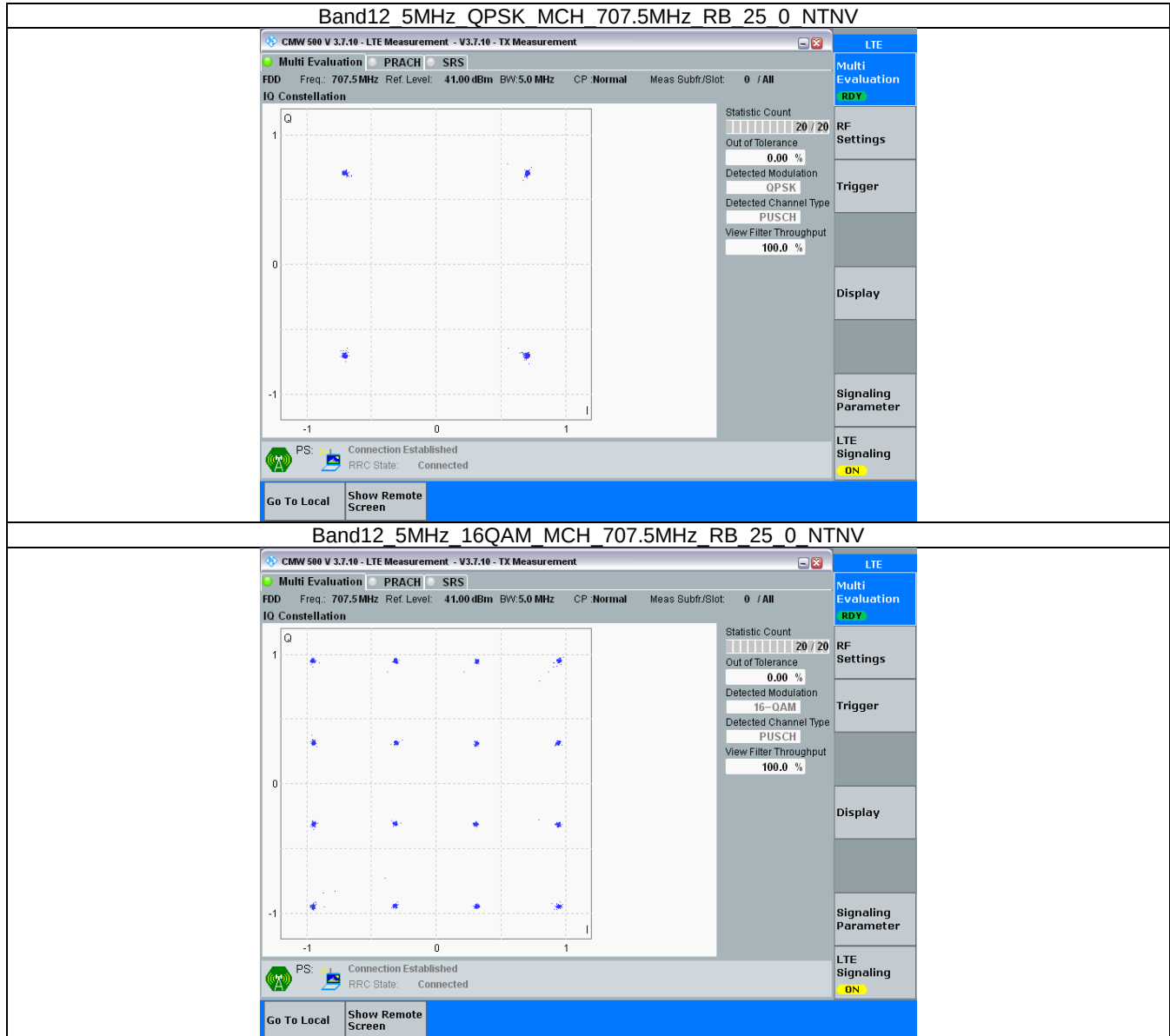
3.2.1 B12_1.4MHz



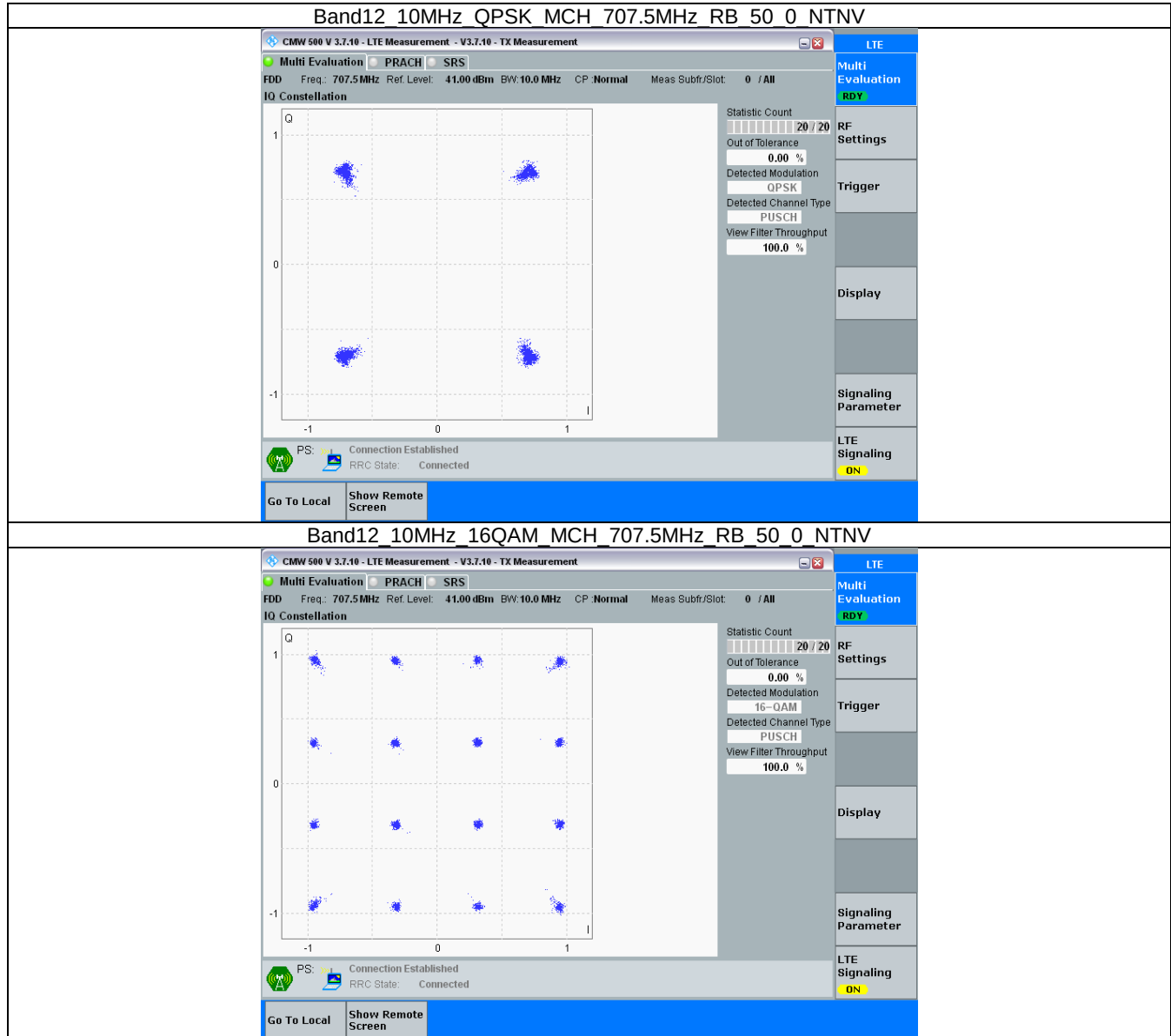
3.2.2 B12_3MHz



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	1.082	/	Pass
		707.5	6	0	1.082	/	Pass
		715.3	6	0	1.081	/	Pass
	16QAM	699.7	6	0	1.082	/	Pass
		707.5	6	0	1.081	/	Pass
		715.3	6	0	1.081	/	Pass
3	QPSK	700.5	15	0	2.685	/	Pass
		707.5	15	0	2.693	/	Pass
		714.5	15	0	2.675	/	Pass
	16QAM	700.5	15	0	2.679	/	Pass
		707.5	15	0	2.687	/	Pass
		714.5	15	0	2.680	/	Pass
5	QPSK	701.5	25	0	4.474	/	Pass
		707.5	25	0	4.483	/	Pass
		713.5	25	0	4.483	/	Pass
	16QAM	701.5	25	0	4.471	/	Pass
		707.5	25	0	4.470	/	Pass
		713.5	25	0	4.463	/	Pass
10	QPSK	704	50	0	8.953	/	Pass
		707.5	50	0	8.954	/	Pass
		711	50	0	8.954	/	Pass
	16QAM	704	50	0	8.966	/	Pass
		707.5	50	0	8.947	/	Pass
		711	50	0	8.951	/	Pass

4.1.2 Band12_XDB

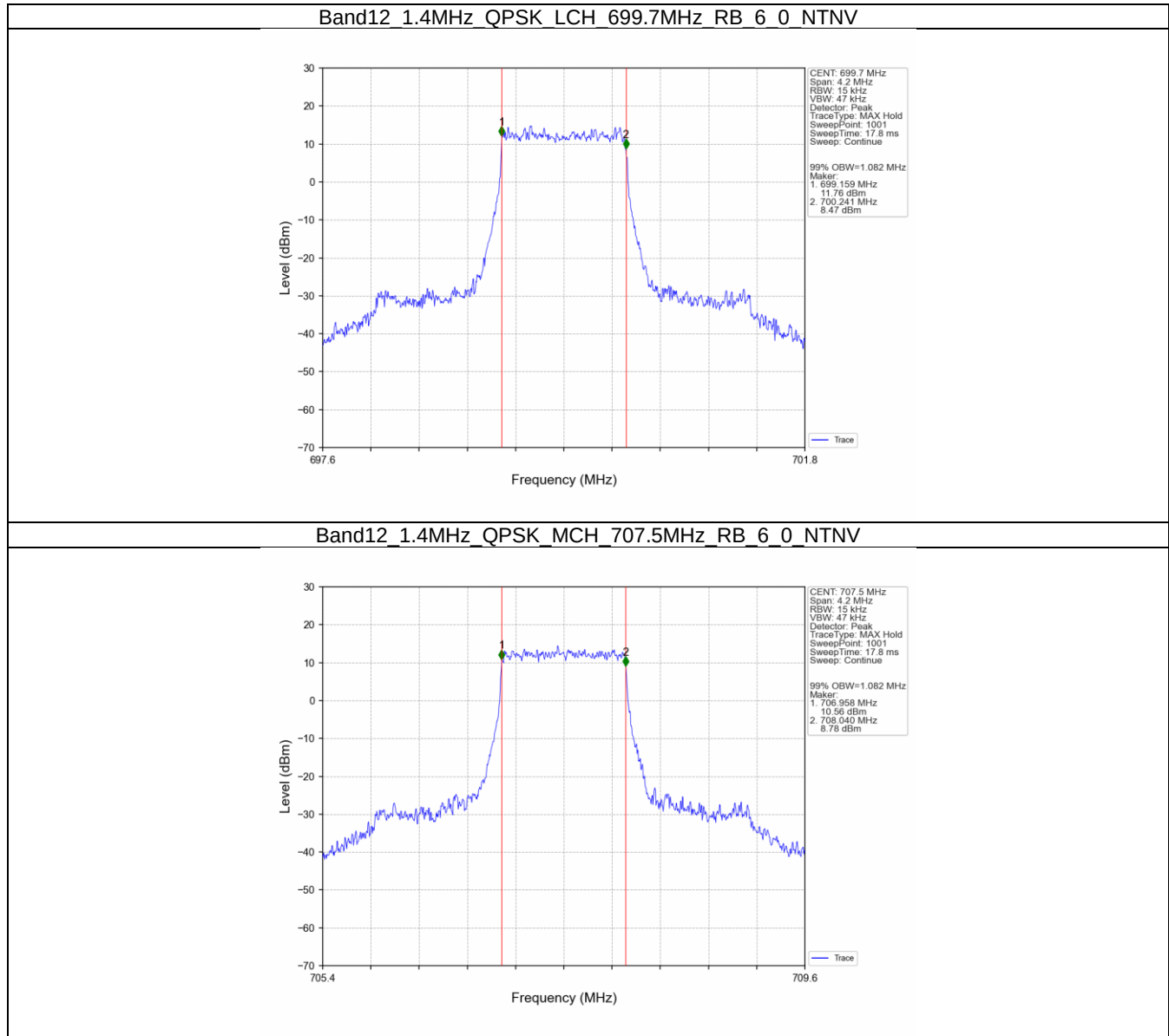
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.232	/	Pass
		707.5	6	0	1.255	/	Pass
		715.3	6	0	1.227	/	Pass
	16QAM	699.7	6	0	1.256	/	Pass
		707.5	6	0	1.223	/	Pass
		715.3	6	0	1.257	/	Pass
3	QPSK	700.5	15	0	2.887	/	Pass
		707.5	15	0	2.861	/	Pass
		714.5	15	0	2.880	/	Pass
	16QAM	700.5	15	0	2.910	/	Pass
		707.5	15	0	2.906	/	Pass
		714.5	15	0	2.901	/	Pass
5	QPSK	701.5	25	0	4.884	/	Pass
		707.5	25	0	4.855	/	Pass
		713.5	25	0	4.876	/	Pass
	16QAM	701.5	25	0	4.911	/	Pass
		707.5	25	0	4.858	/	Pass
		713.5	25	0	4.808	/	Pass
10	QPSK	704	50	0	9.702	/	Pass



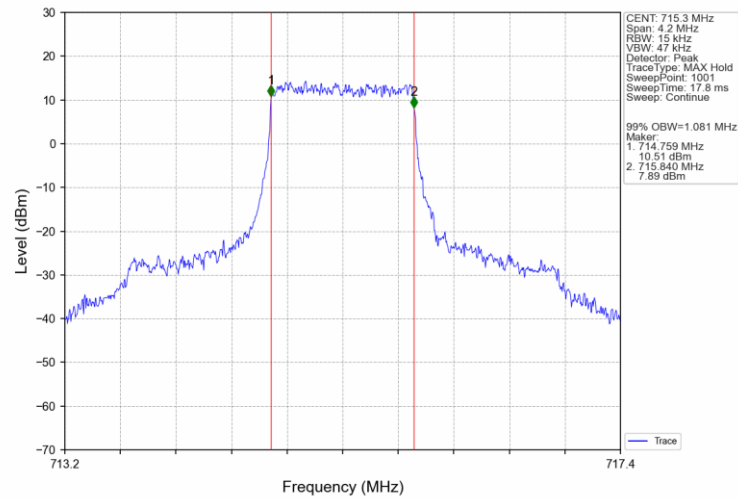
		707.5	50	0	9.550	/	Pass
		711	50	0	9.647	/	Pass
	16QAM	704	50	0	9.641	/	Pass
		707.5	50	0	9.587	/	Pass
		711	50	0	9.617	/	Pass

4.2 Test Graph

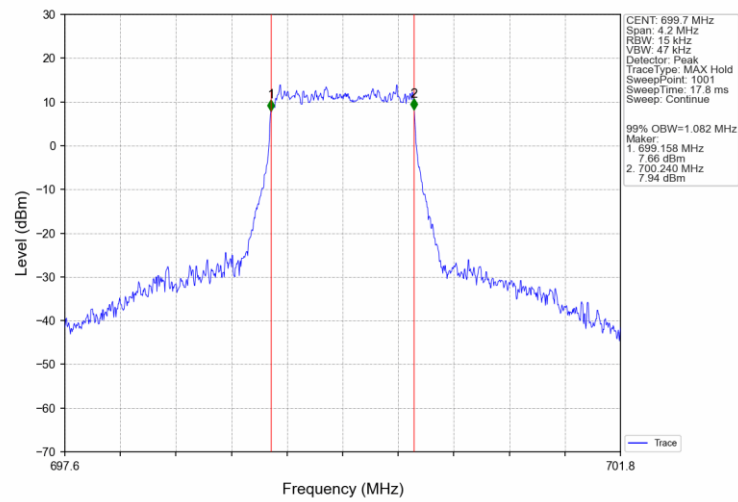
4.2.1 Band12_OBW



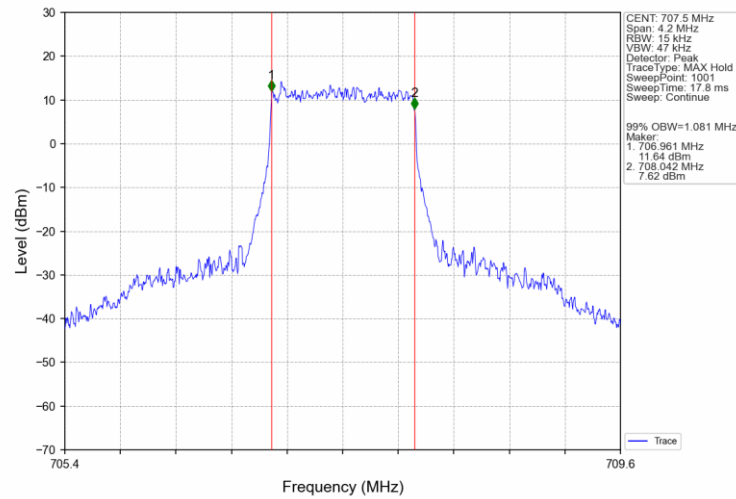
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



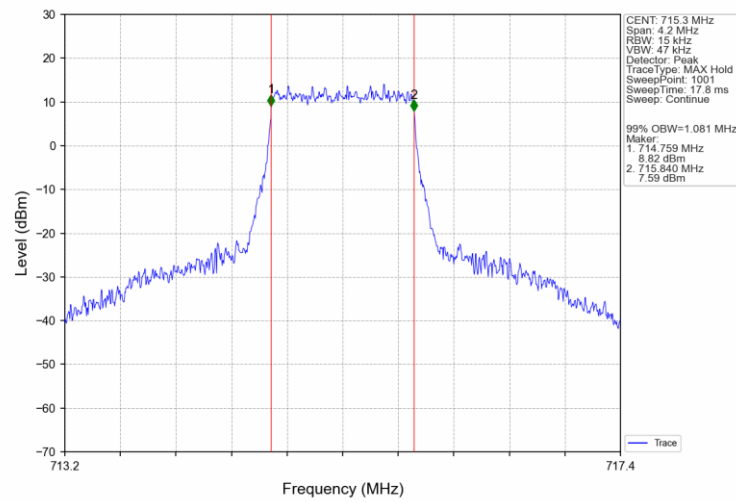
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



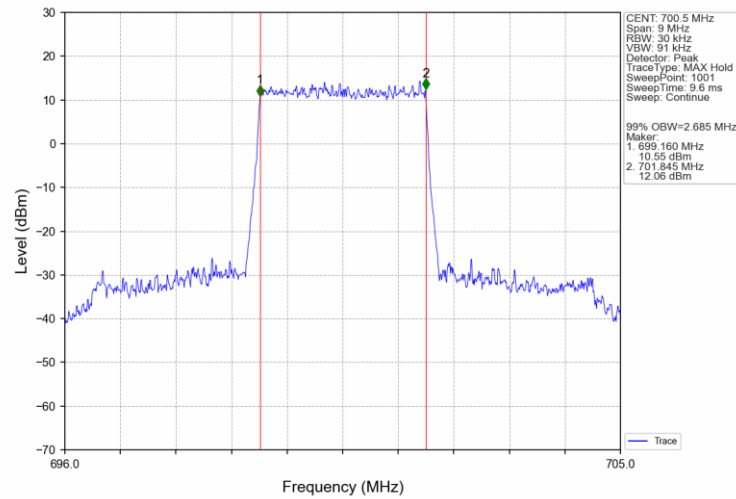
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



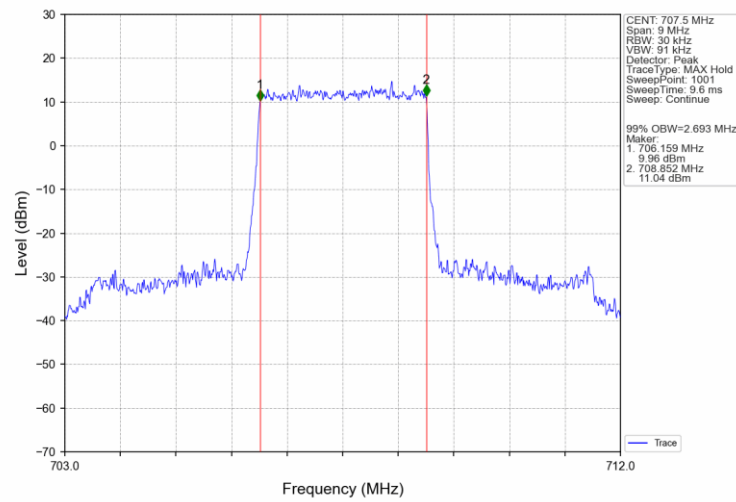
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



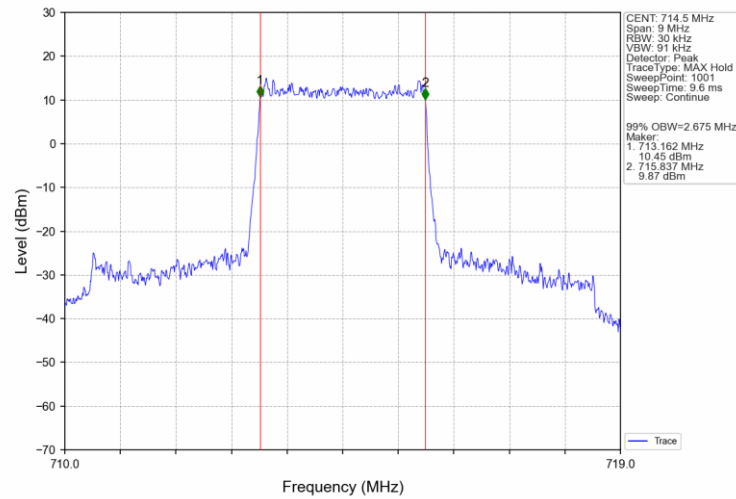
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



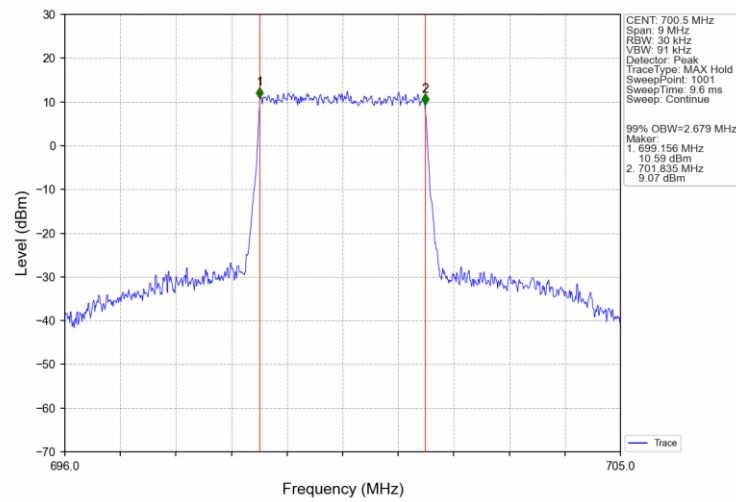
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



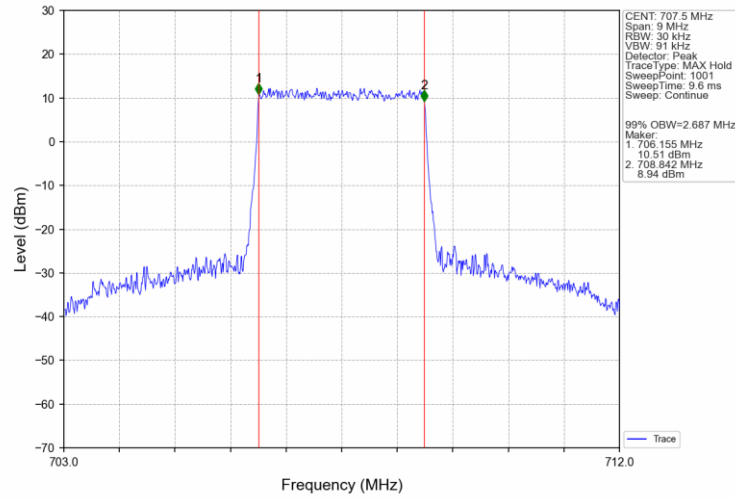
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



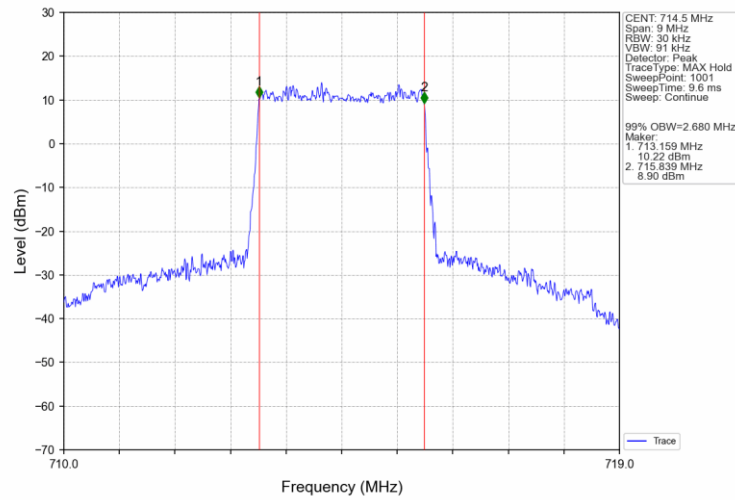
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



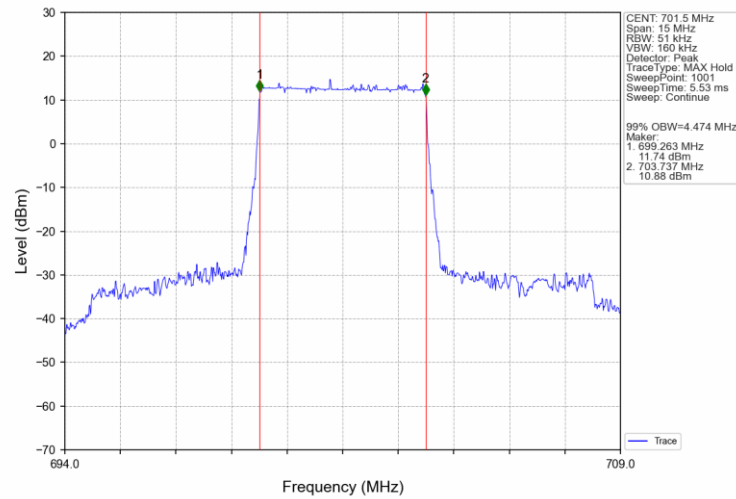
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



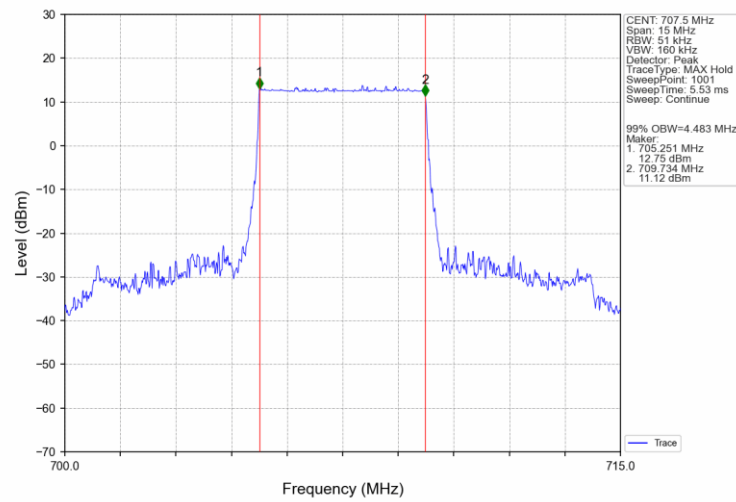
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



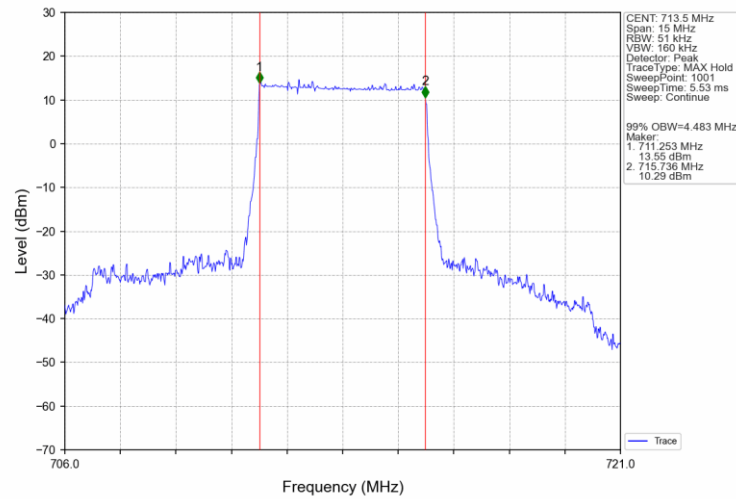
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



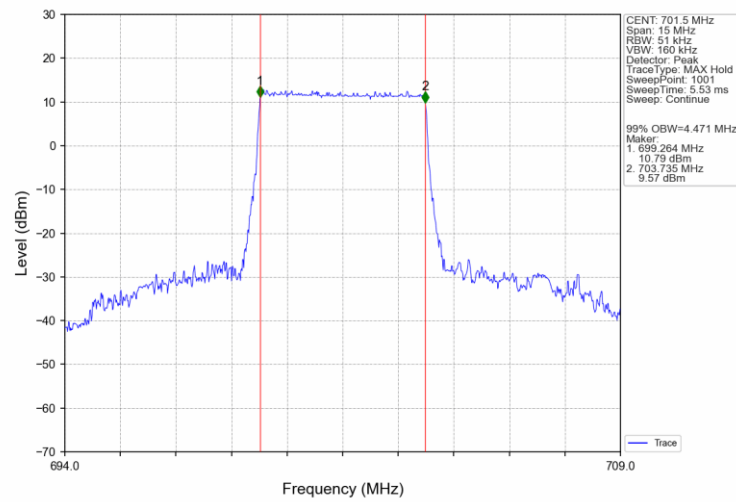
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



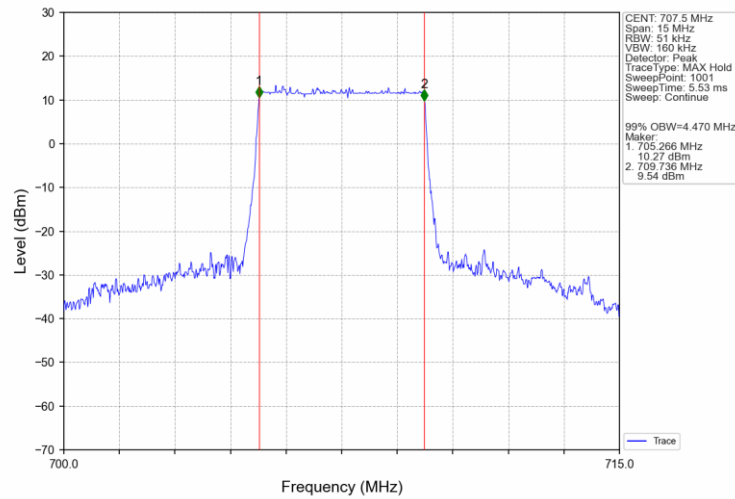
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



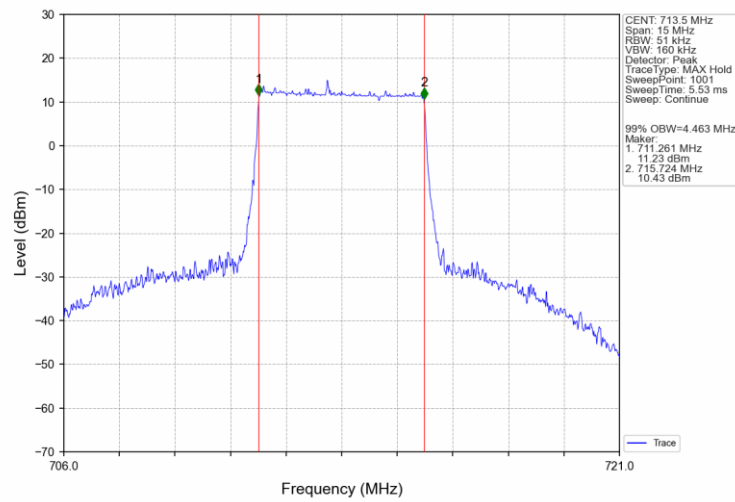
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



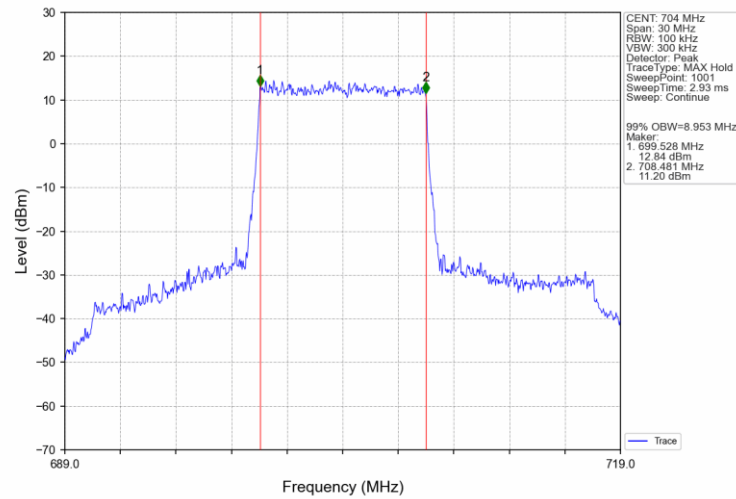
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



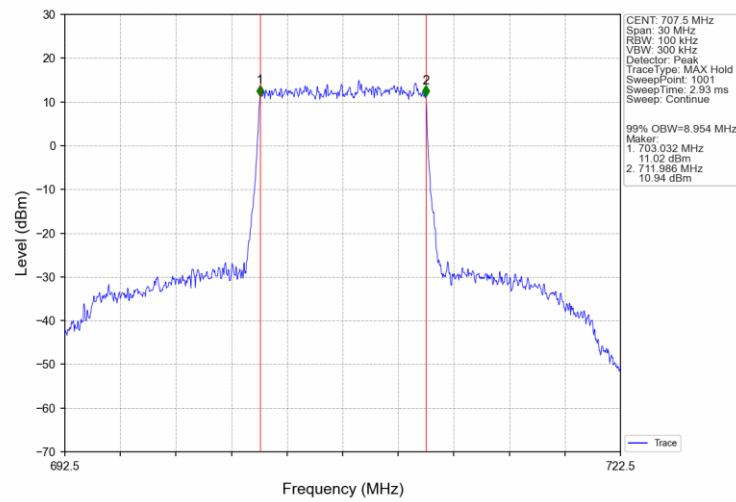
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



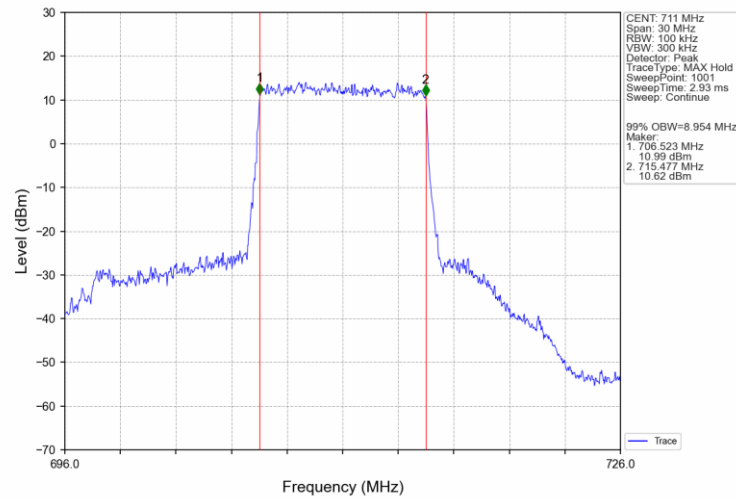
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



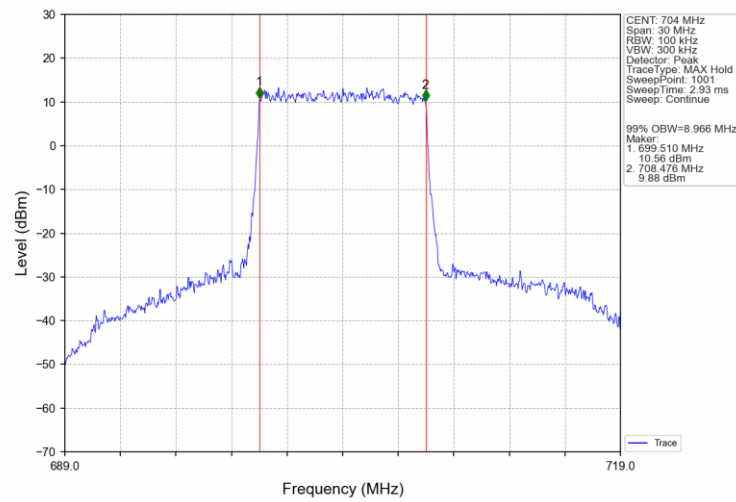
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



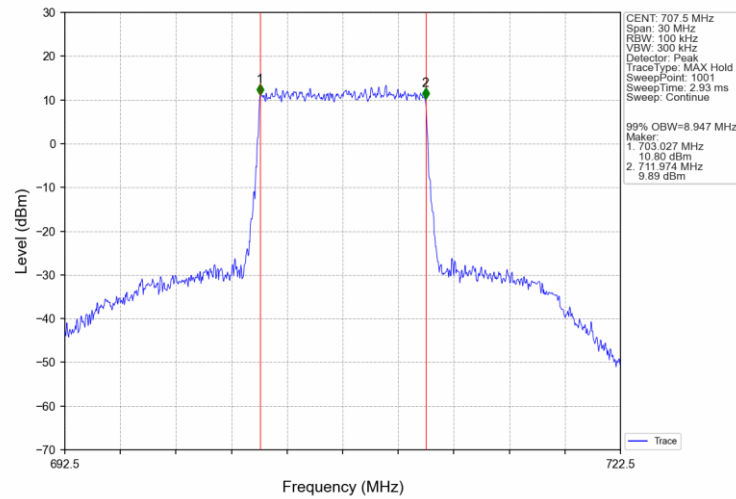
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



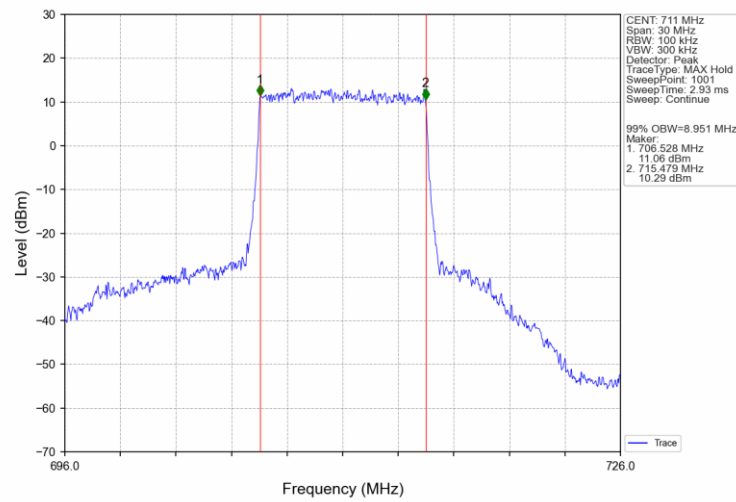
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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

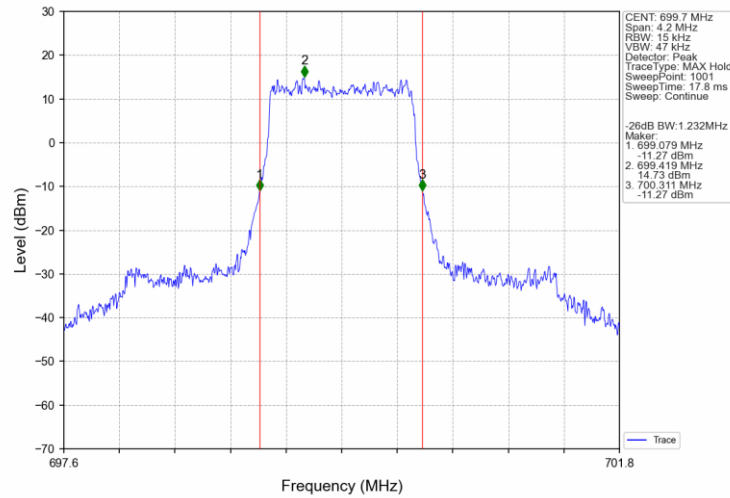


Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTN

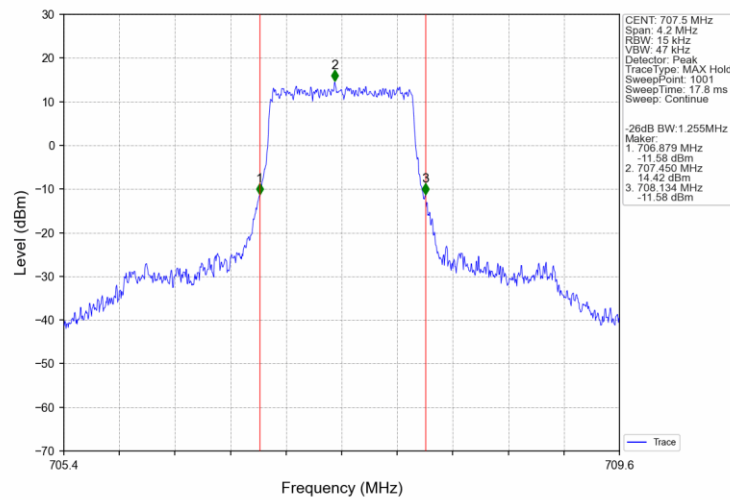


4.2.2 Band12_XDB

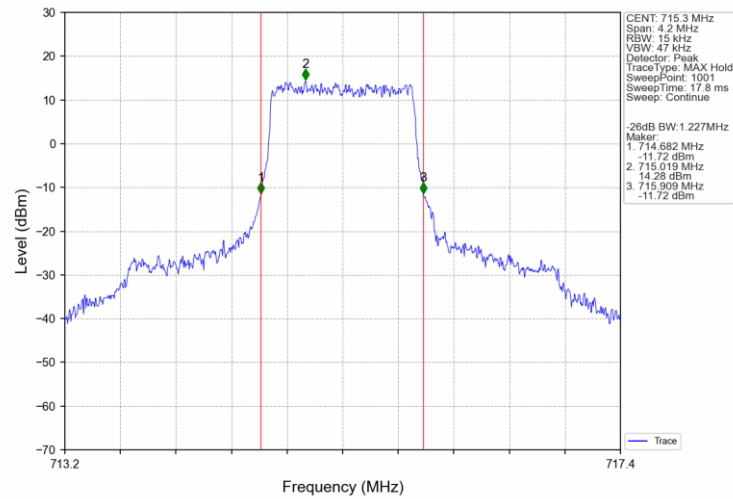
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



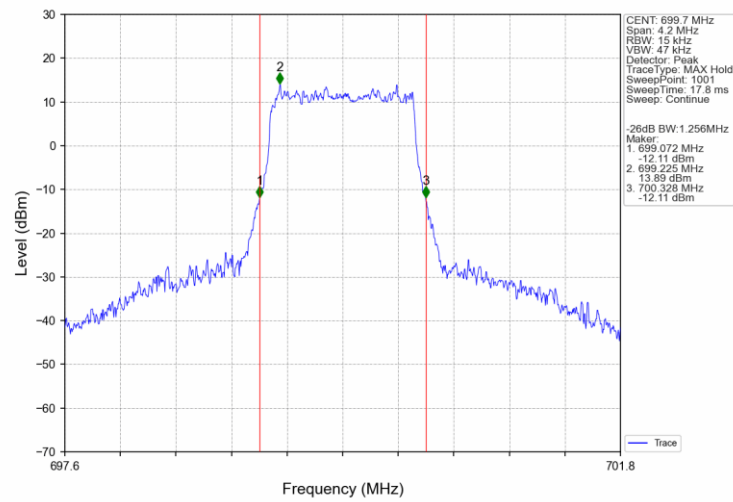
Band12 1.4MHz QPSK MCH 707.5MHz RB 6 0 NTV



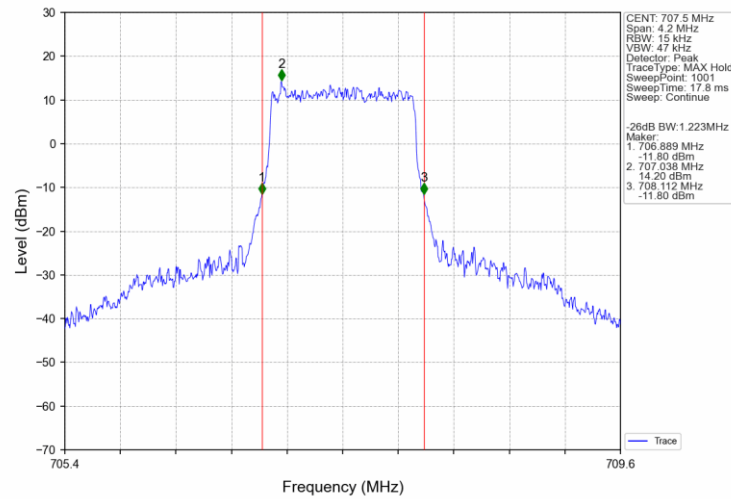
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



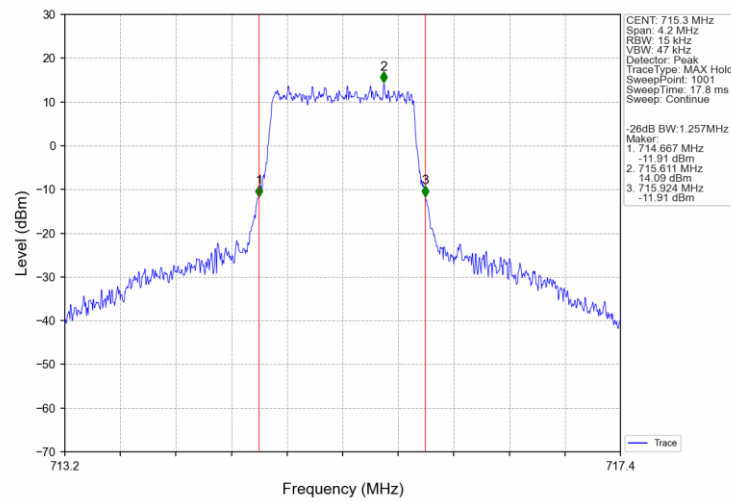
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



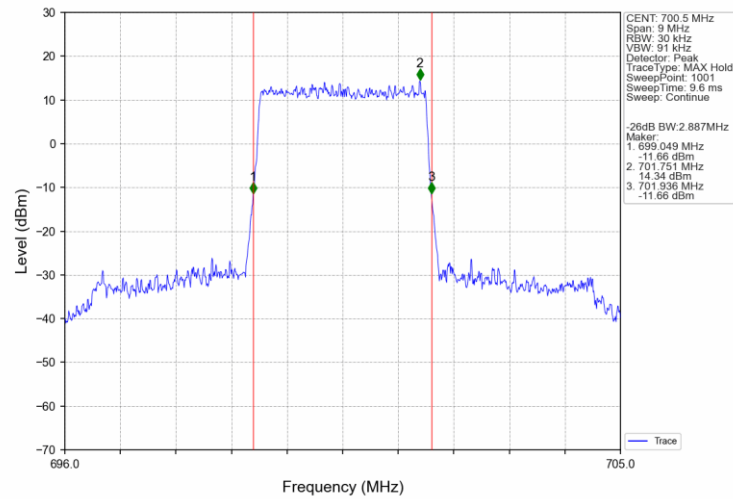
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTN



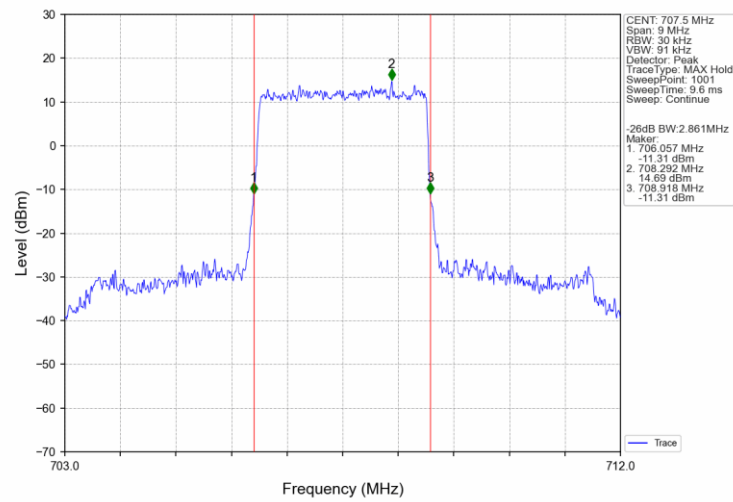
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTN



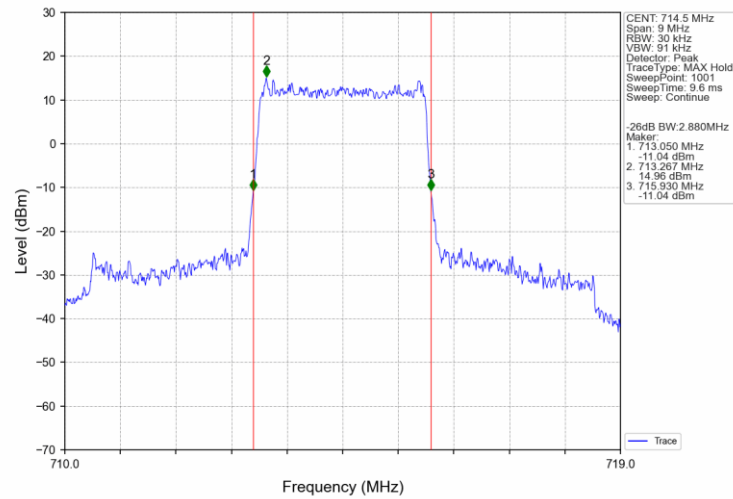
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



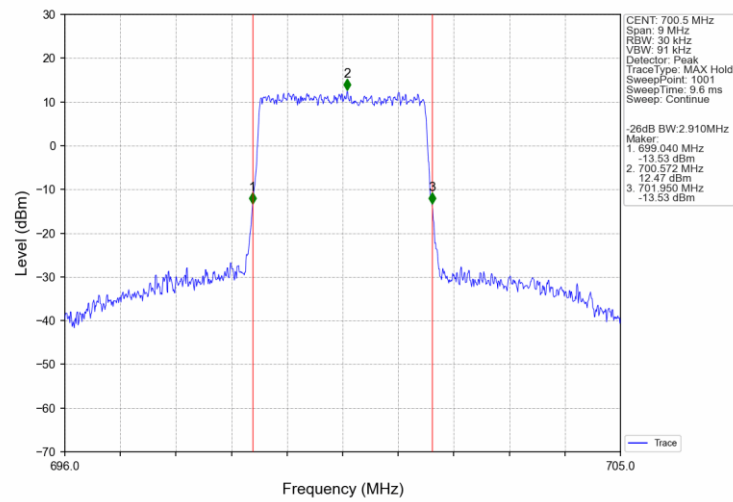
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



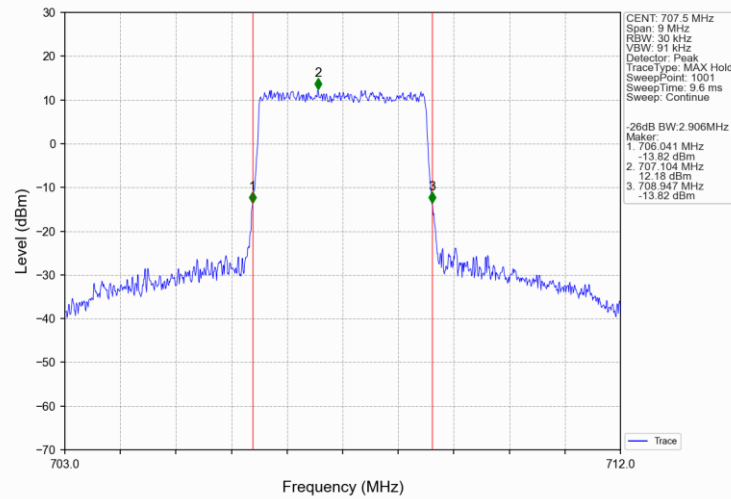
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



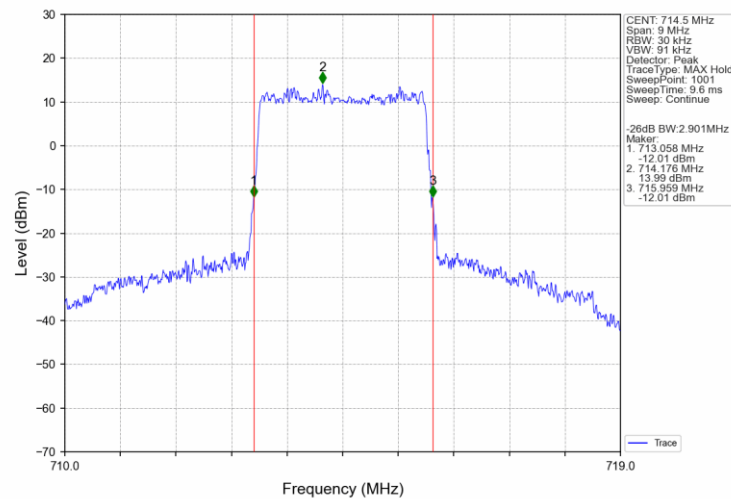
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



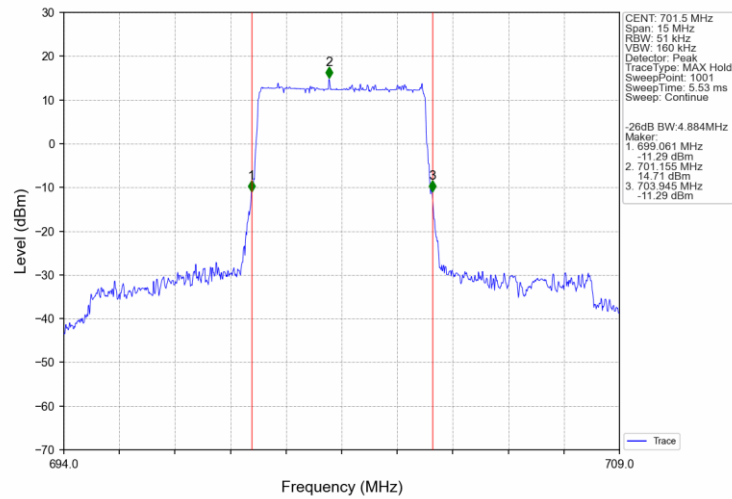
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



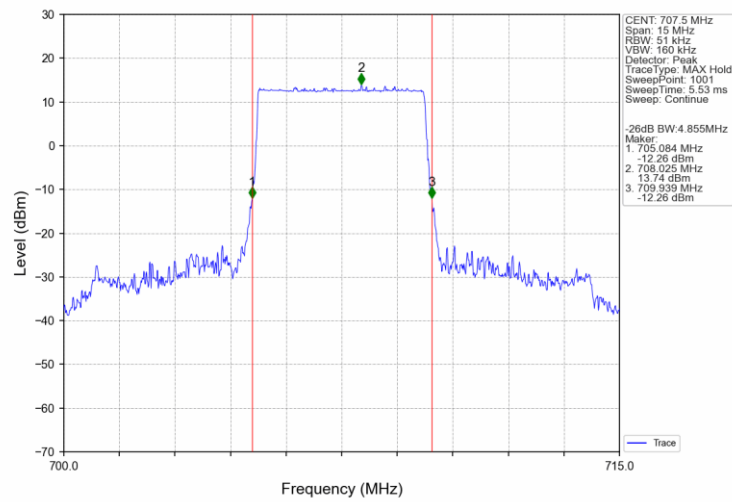
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



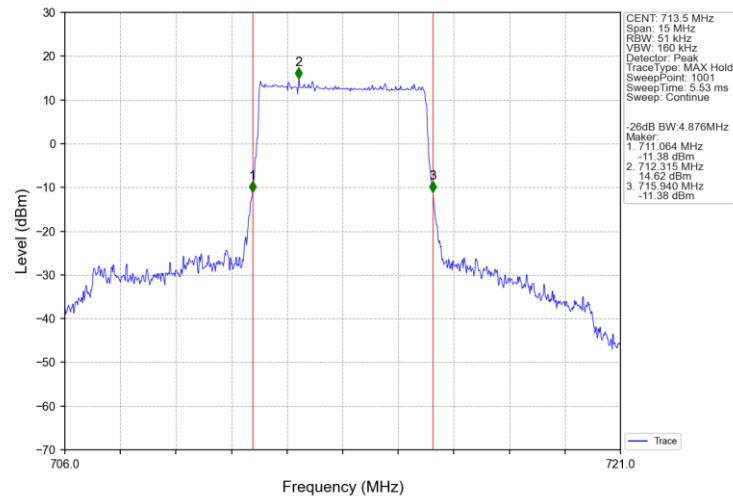
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



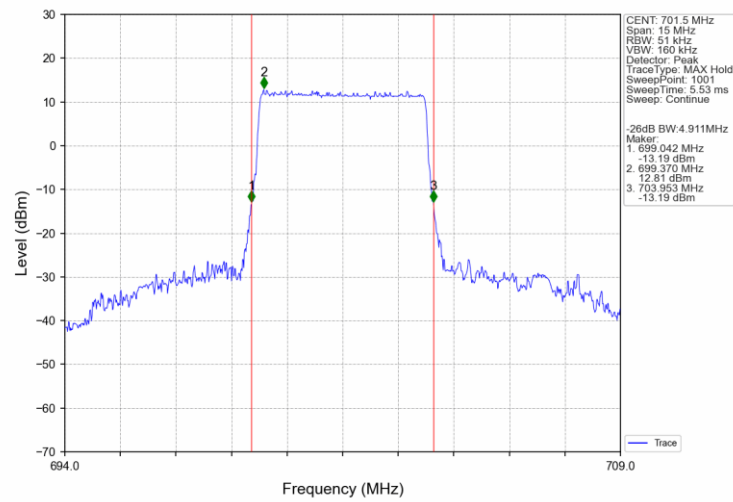
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



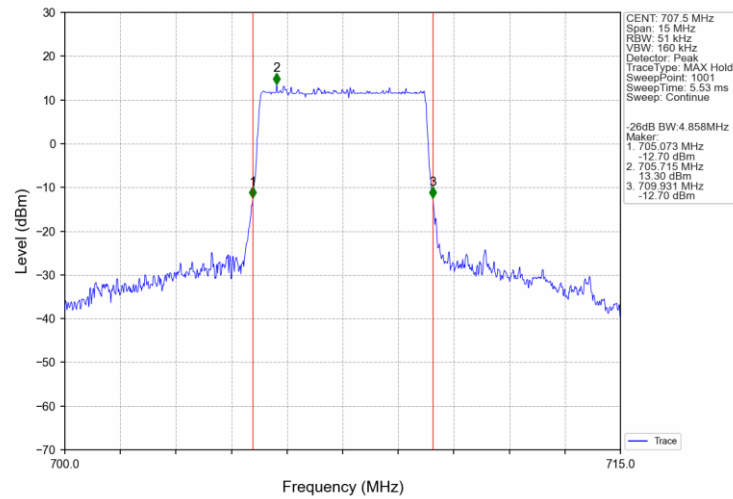
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



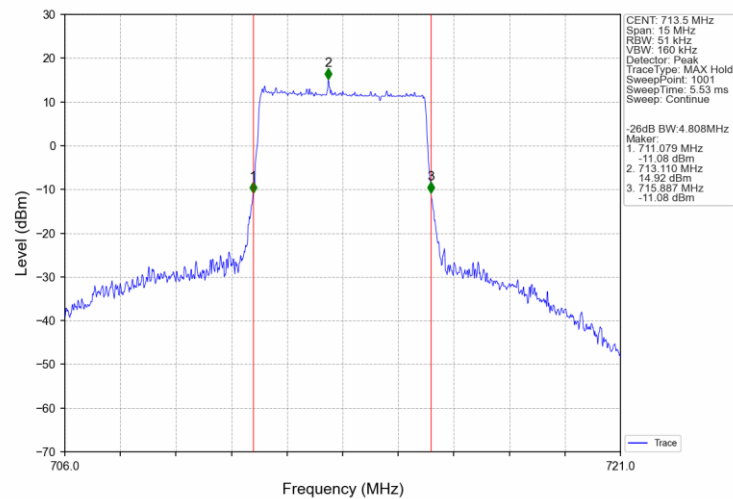
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTV



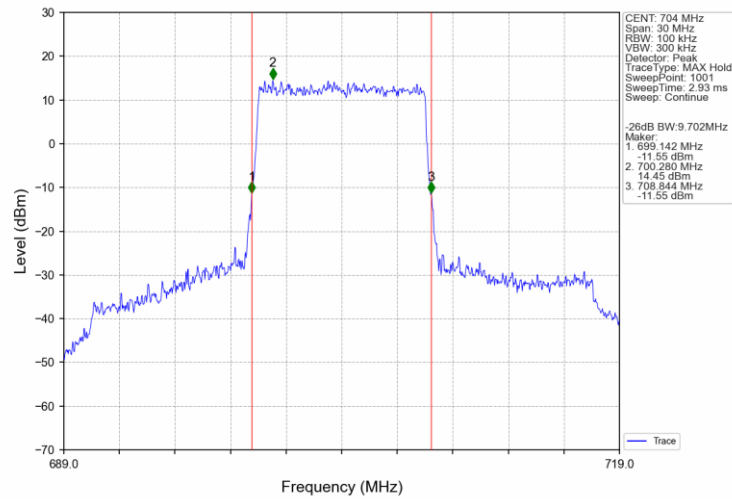
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTN



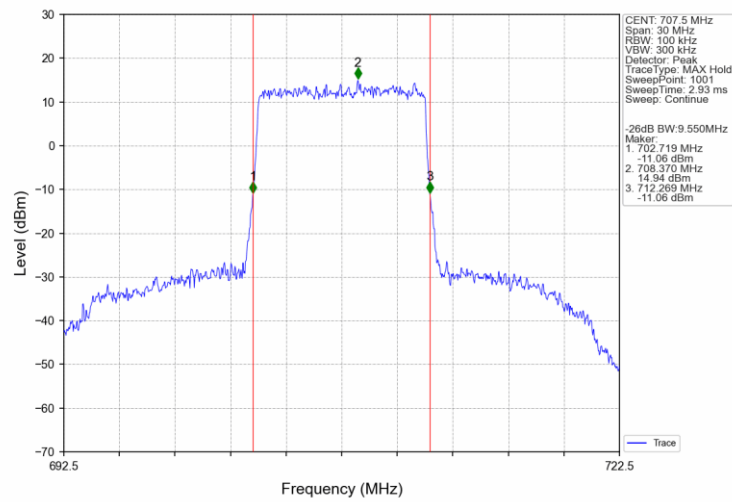
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTN



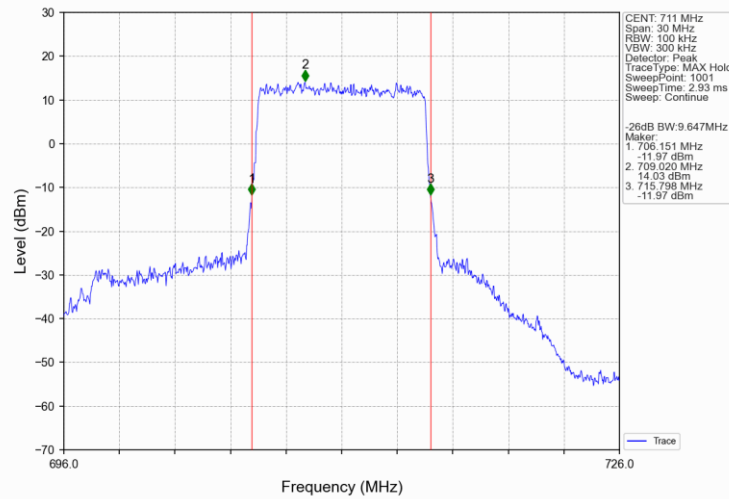
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTV



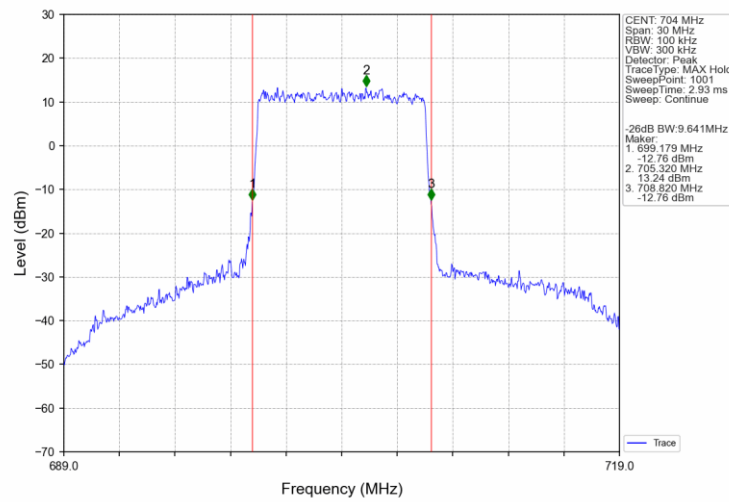
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTV



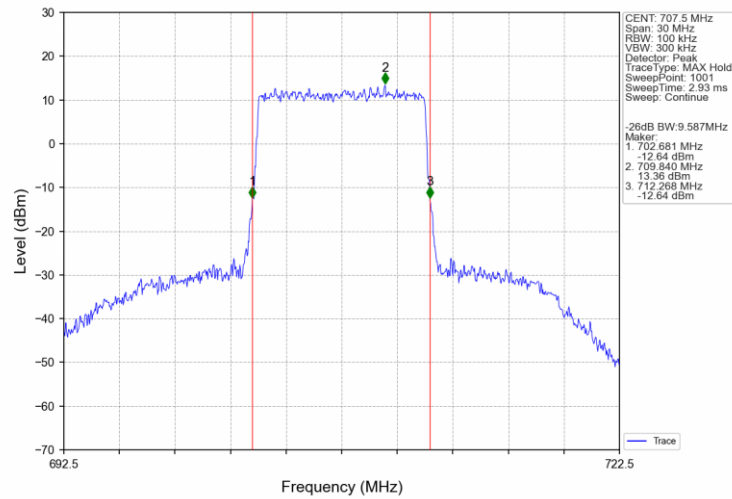
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



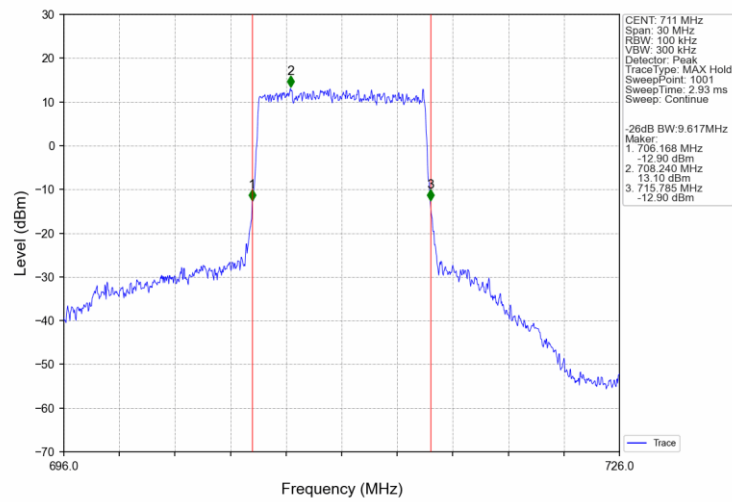
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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	5.00	<=13	Pass
	715.3	6	0	4.74	<=13	Pass
16QAM	699.7	6	0	6.08	<=13	Pass
	707.5	6	0	5.85	<=13	Pass
	715.3	6	0	5.54	<=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	5.40	<=13	Pass
	707.5	15	0	5.17	<=13	Pass
	714.5	15	0	5.12	<=13	Pass
16QAM	700.5	15	0	6.22	<=13	Pass
	707.5	15	0	6.03	<=13	Pass
	714.5	15	0	5.93	<=13	Pass

5.1.3 B12_5MHz

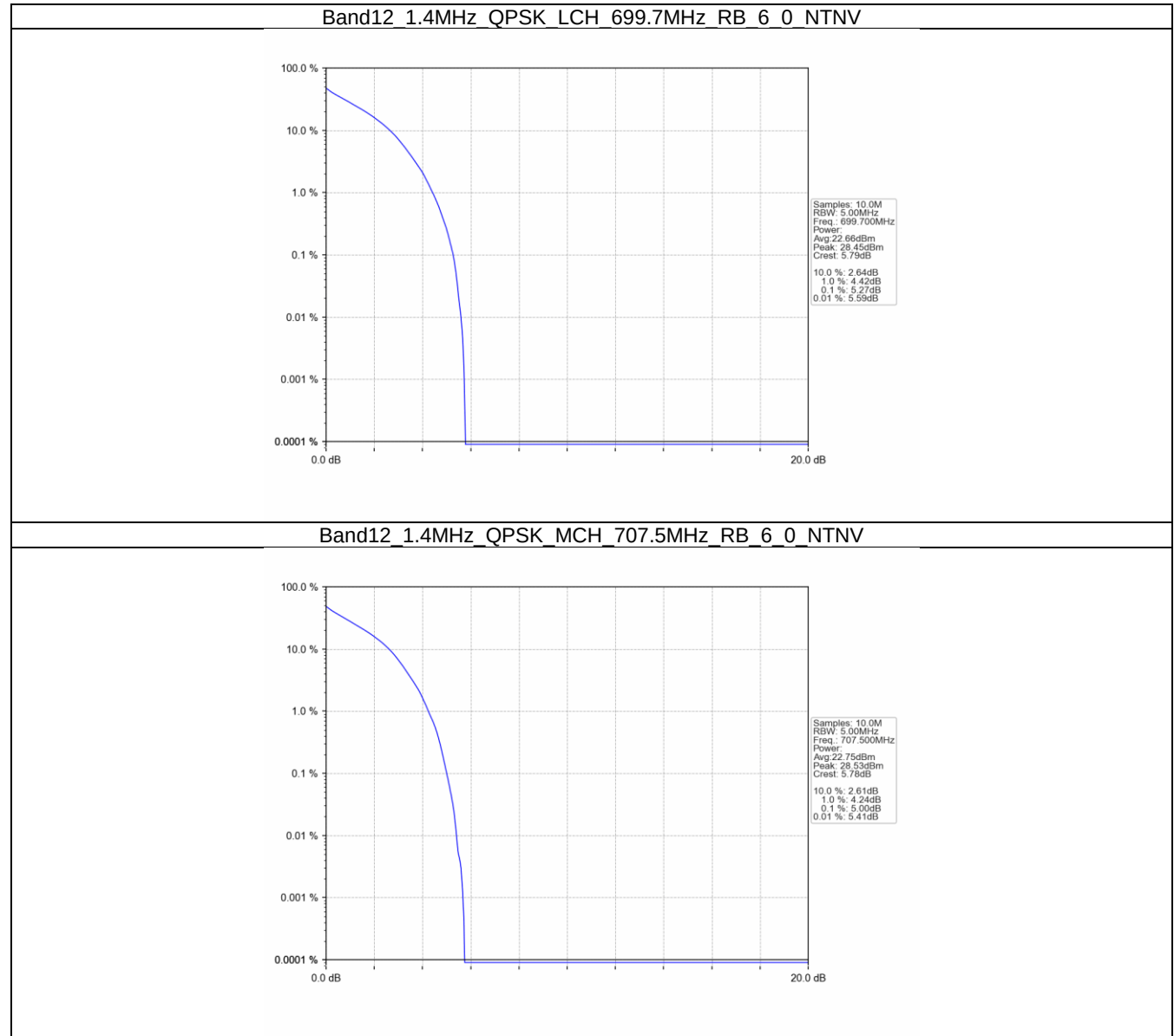
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.53	<=13	Pass
	707.5	25	0	5.40	<=13	Pass
	713.5	25	0	5.43	<=13	Pass
16QAM	701.5	25	0	6.26	<=13	Pass
	707.5	25	0	6.12	<=13	Pass
	713.5	25	0	6.13	<=13	Pass

5.1.4 B12_10MHz

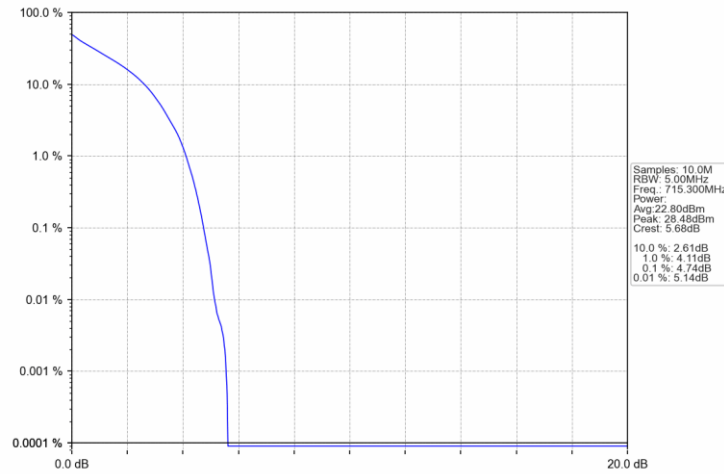
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.43	<=13	Pass
	707.5	50	0	5.40	<=13	Pass
	711	50	0	5.29	<=13	Pass
16QAM	704	50	0	6.24	<=13	Pass
	707.5	50	0	6.20	<=13	Pass
	711	50	0	6.07	<=13	Pass

5.2 Test Graph

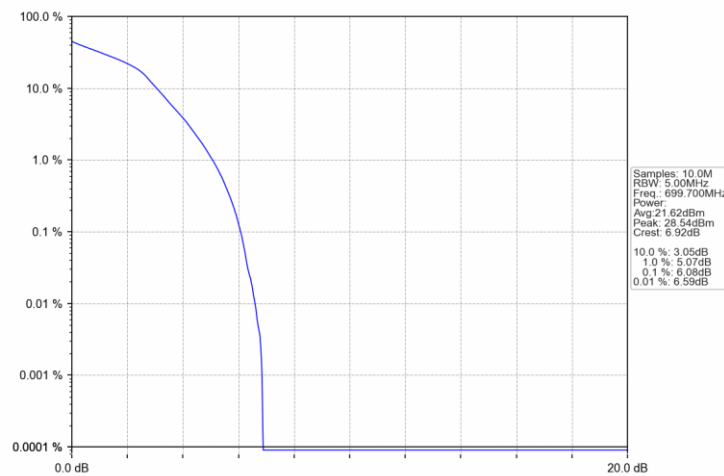
5.2.1 B12_1.4MHz



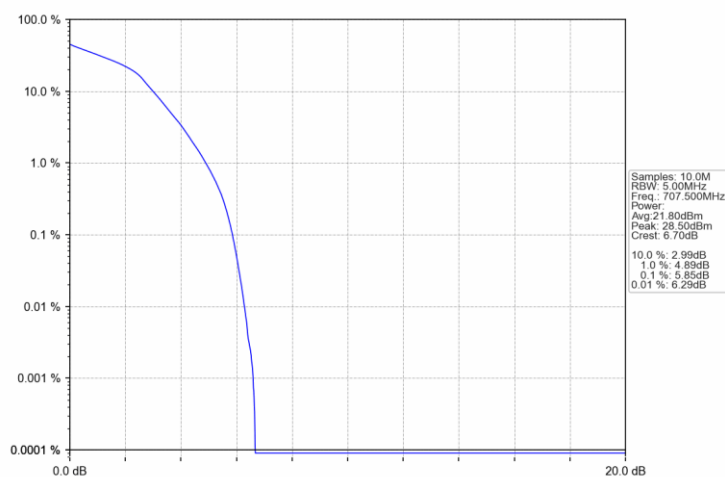
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



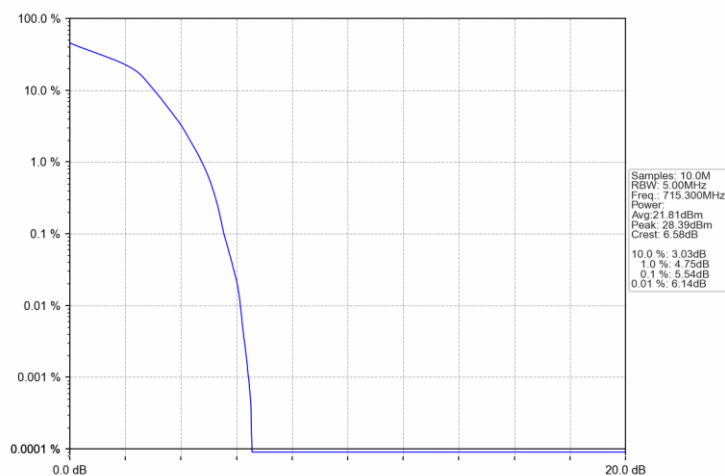
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



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

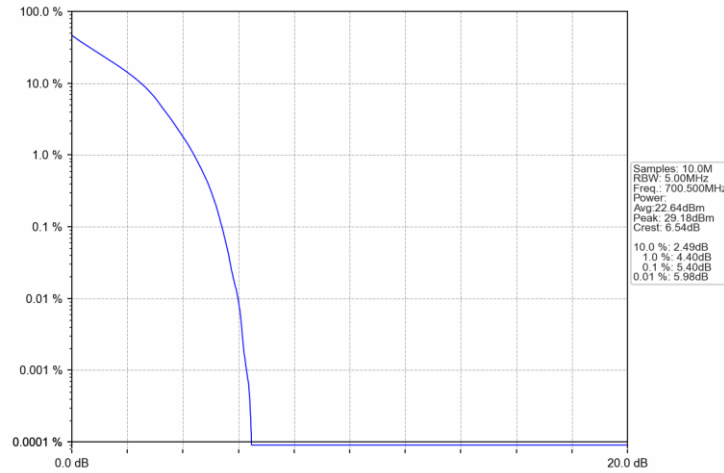


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

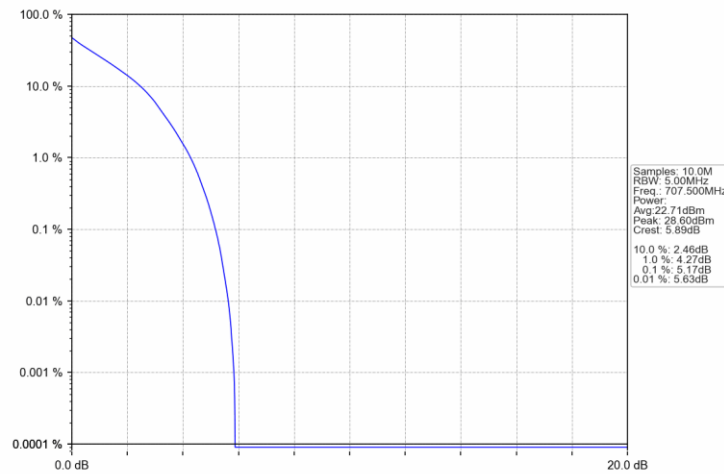


5.2.2 B12_3MHz

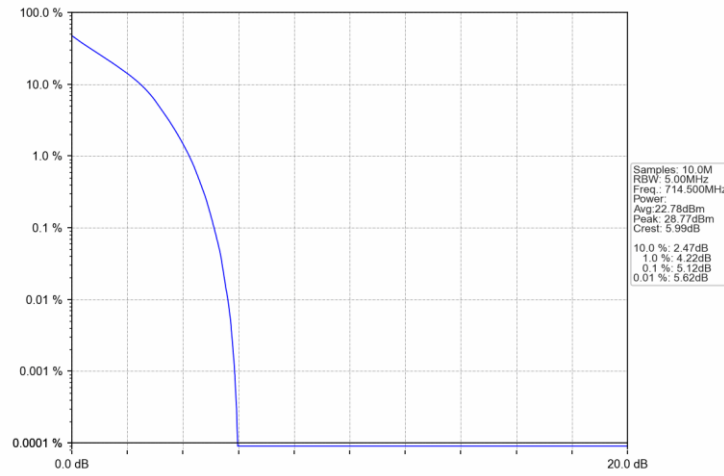
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



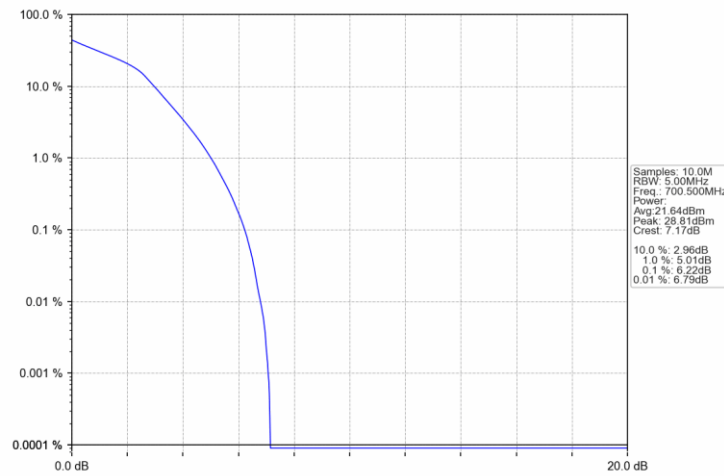
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



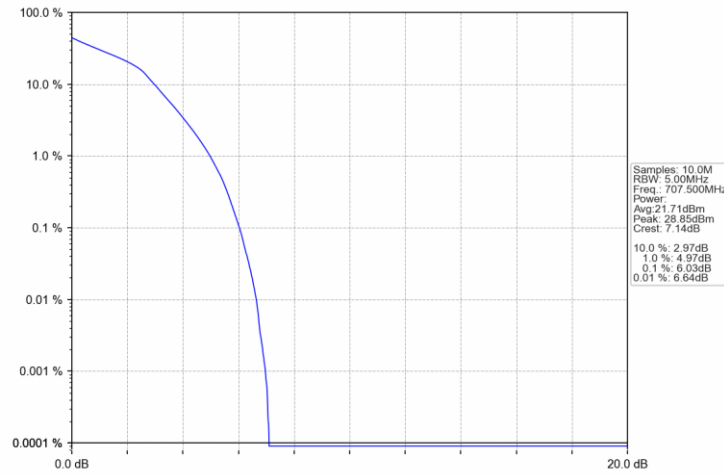
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV



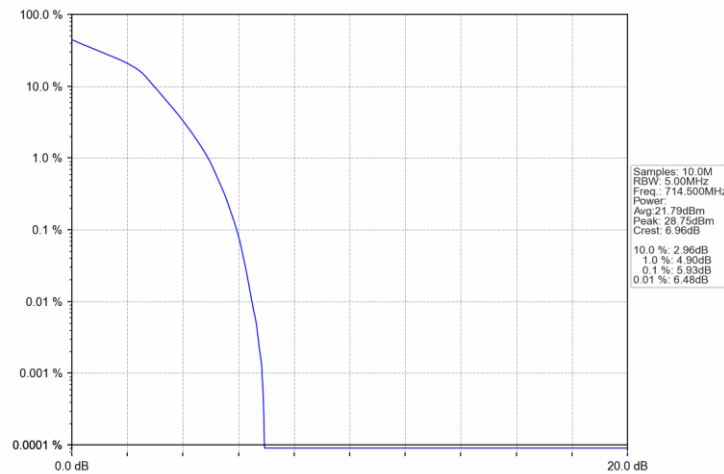
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTV



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

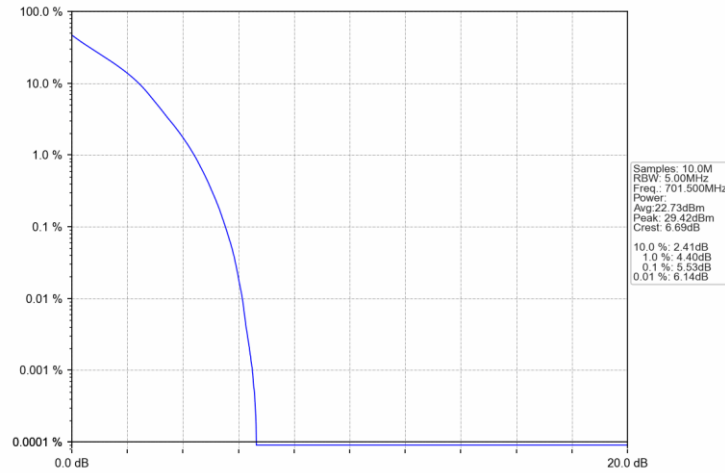


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV

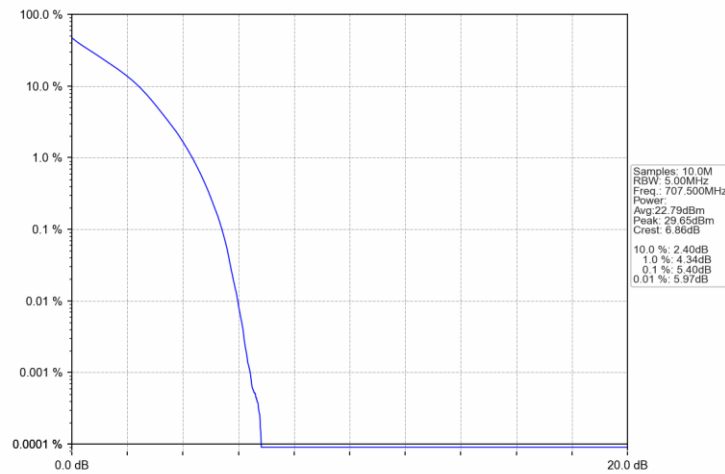


5.2.3 B12_5MHz

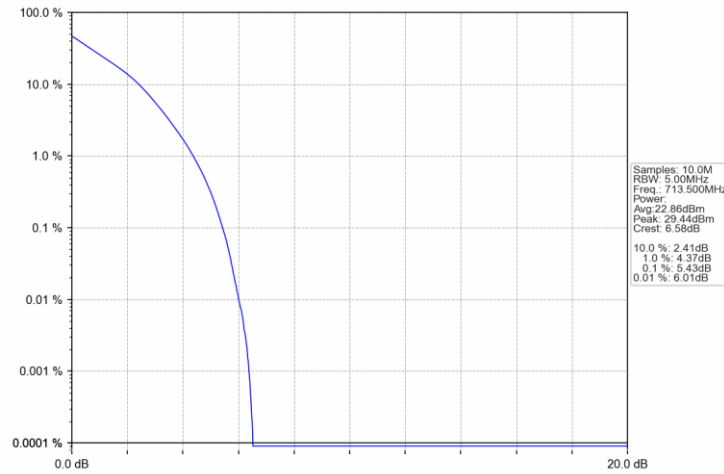
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



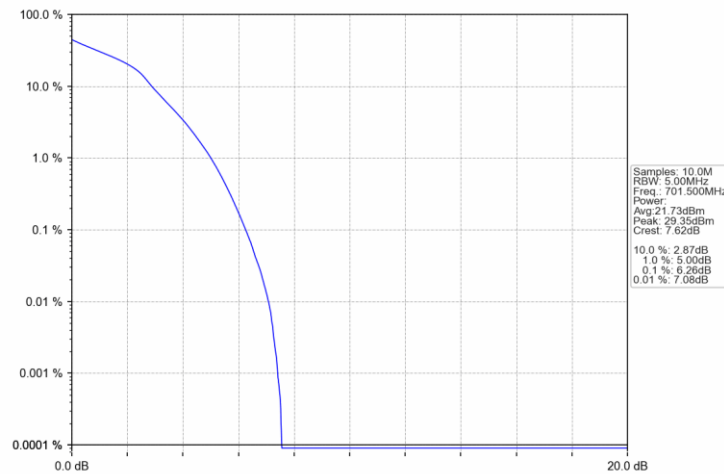
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



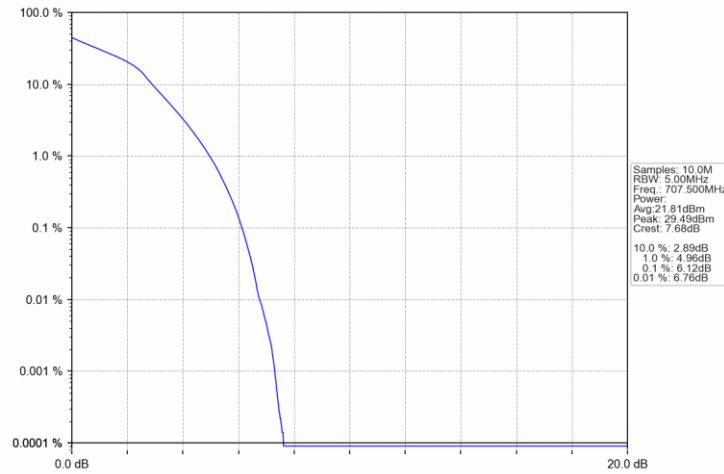
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



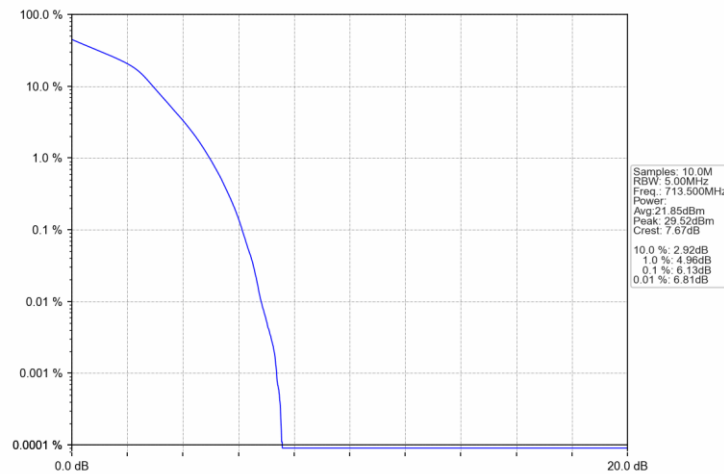
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



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

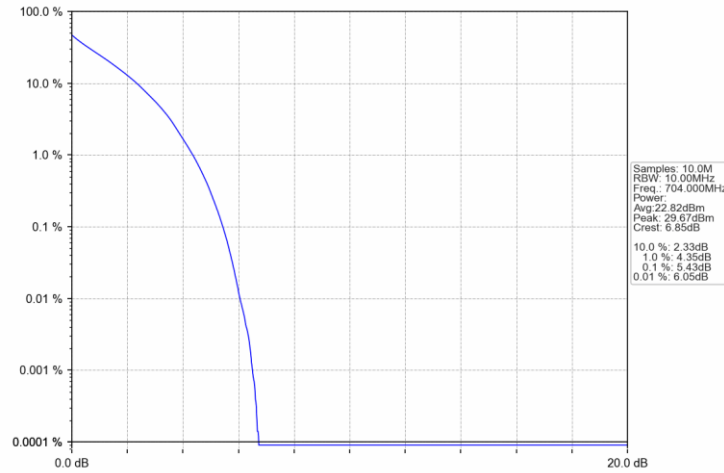


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV

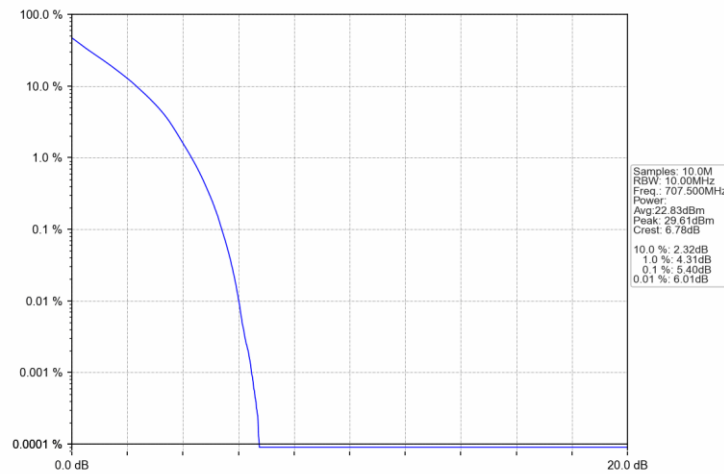


5.2.4 B12_10MHz

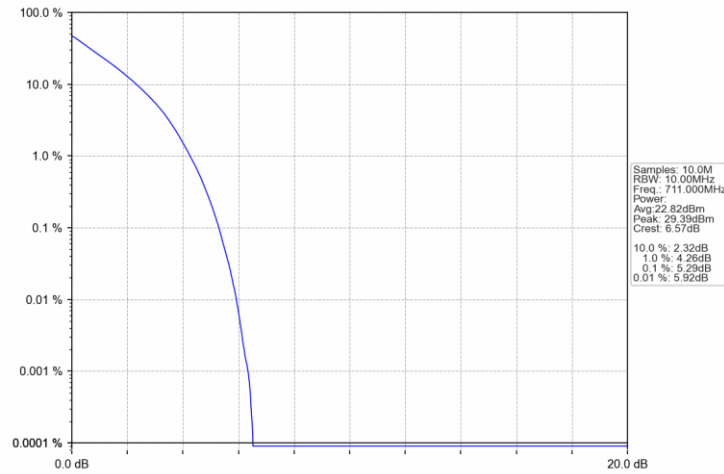
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN



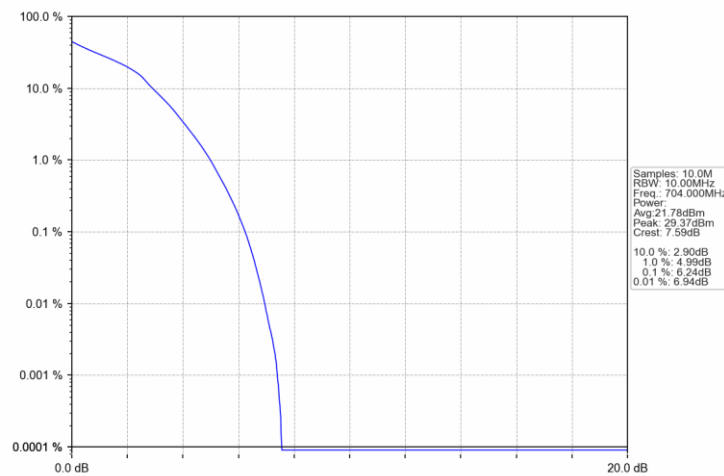
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTN



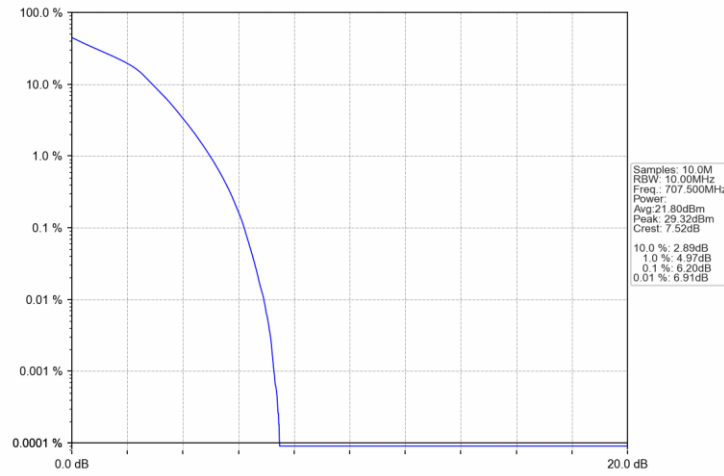
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



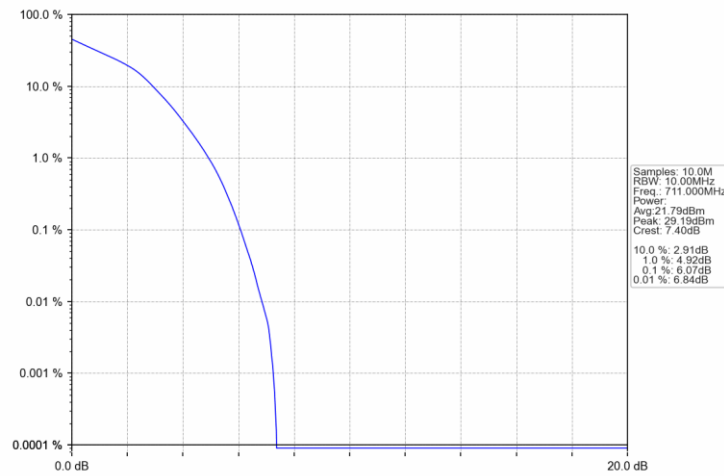
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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



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



6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

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

6.1.2 B12_3MHz

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

6.1.3 B12_5MHz

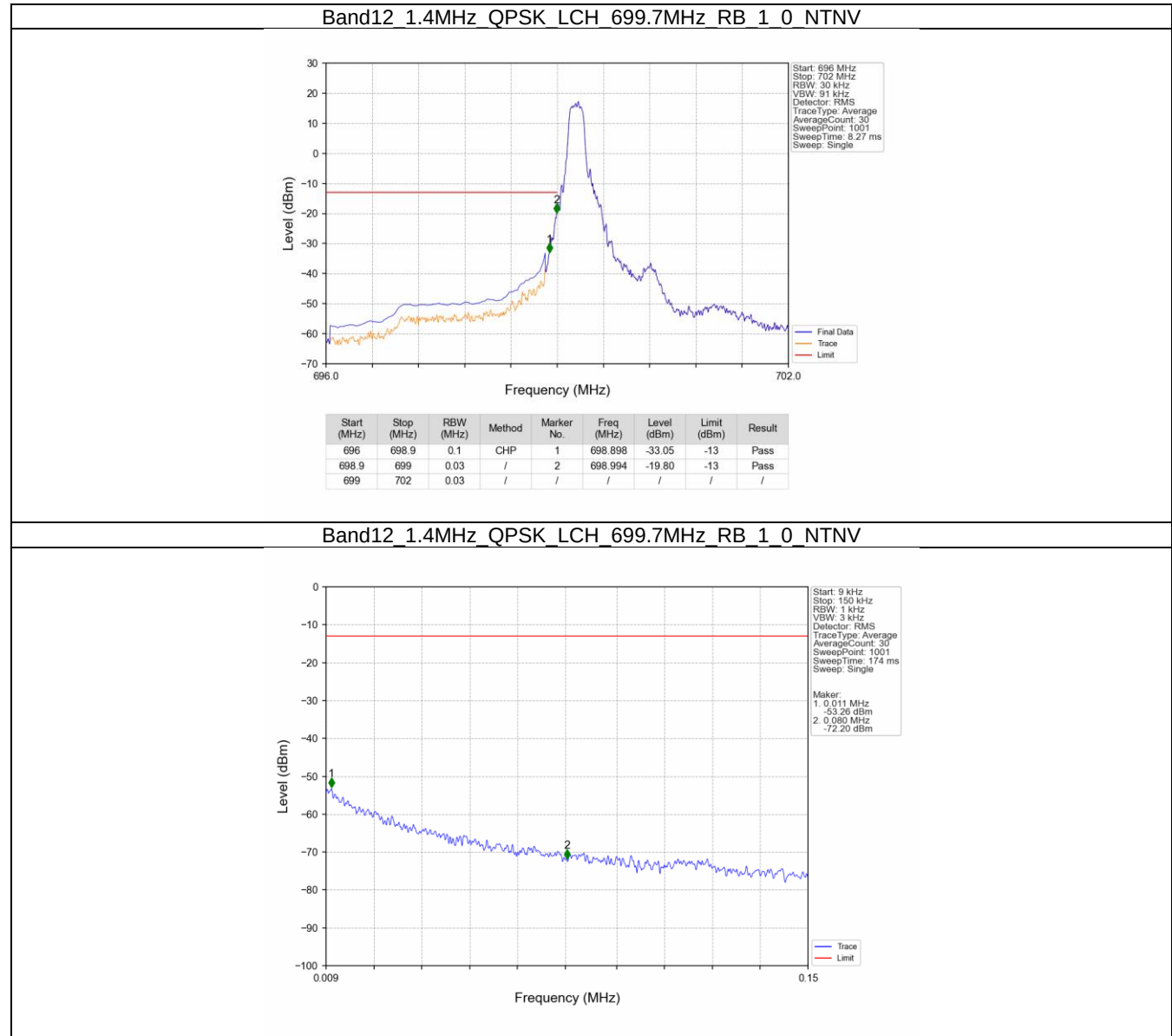
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

6.1.4 B12_10MHz

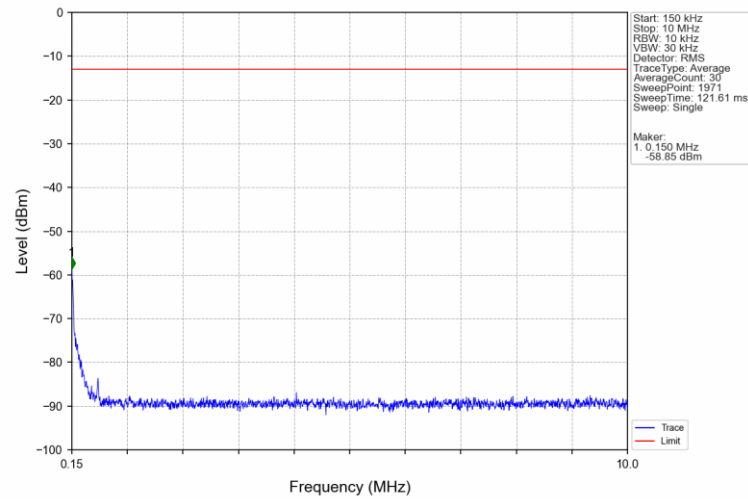
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

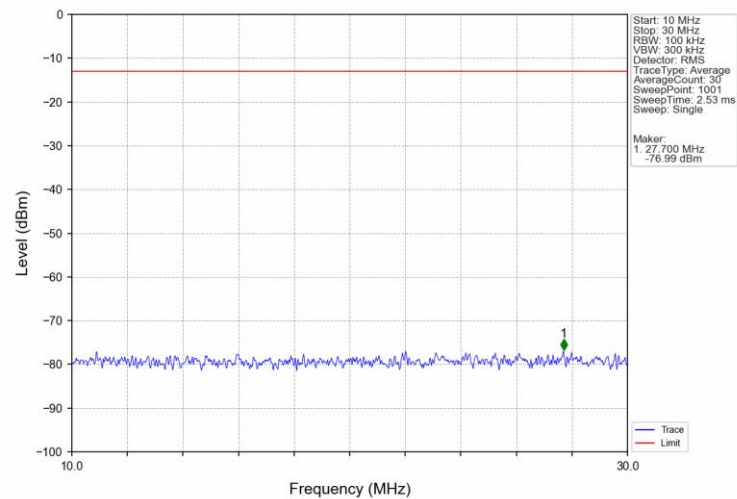
6.2.1 B12_1.4MHz



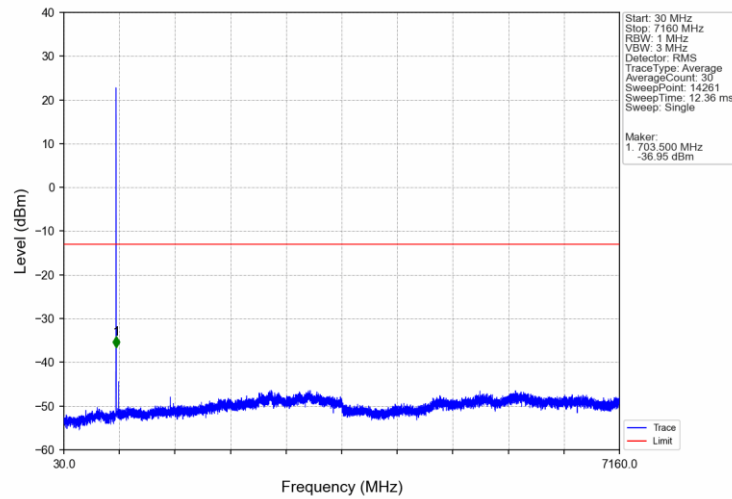
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



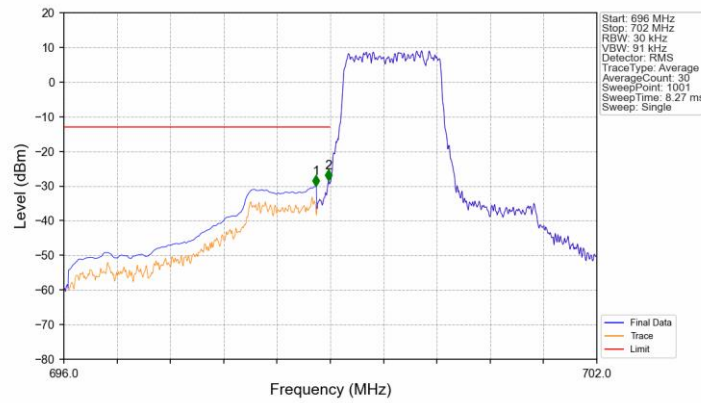
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV

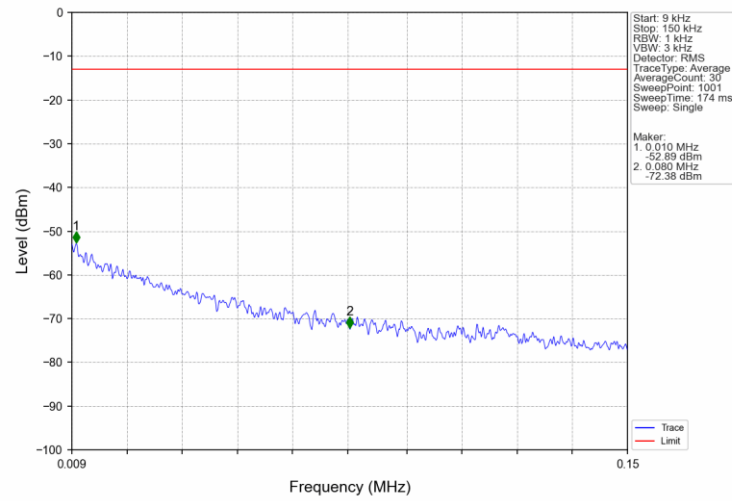


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.838	-30.04	-13	Pass
698.9	699	0.03	/	2	698.982	-28.48	-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

