

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	23.08	0.75	21.68	<=34.77	Pass
			2	23.09	0.75	21.69	<=34.77	Pass
			5	23.08	0.75	21.68	<=34.77	Pass
		3	0	23.58	0.75	22.18	<=34.77	Pass
			2	23.61	0.75	22.21	<=34.77	Pass
			3	23.57	0.75	22.17	<=34.77	Pass
		6	0	22.65	0.75	21.25	<=34.77	Pass
	707.5	1	0	23.10	0.75	21.70	<=34.77	Pass
			2	23.10	0.75	21.70	<=34.77	Pass
			5	23.11	0.75	21.71	<=34.77	Pass
		3	0	23.74	0.75	22.34	<=34.77	Pass
			2	23.72	0.75	22.32	<=34.77	Pass
			3	23.73	0.75	22.33	<=34.77	Pass
		6	0	22.72	0.75	21.32	<=34.77	Pass
	715.3	1	0	23.23	0.75	21.83	<=34.77	Pass
			2	23.24	0.75	21.84	<=34.77	Pass
			5	23.22	0.75	21.82	<=34.77	Pass
		3	0	23.84	0.75	22.44	<=34.77	Pass
			2	23.88	0.75	22.48	<=34.77	Pass
			3	23.83	0.75	22.43	<=34.77	Pass
		6	0	22.81	0.75	21.41	<=34.77	Pass
16QAM	699.7	1	0	22.28	0.75	20.88	<=34.77	Pass
			2	22.28	0.75	20.88	<=34.77	Pass
			5	22.28	0.75	20.88	<=34.77	Pass
		3	0	22.57	0.75	21.17	<=34.77	Pass
			2	22.59	0.75	21.19	<=34.77	Pass
			3	22.57	0.75	21.17	<=34.77	Pass
		6	0	21.63	0.75	20.23	<=34.77	Pass
	707.5	1	0	22.20	0.75	20.80	<=34.77	Pass
			2	22.18	0.75	20.78	<=34.77	Pass
			5	22.21	0.75	20.81	<=34.77	Pass
		3	0	22.86	0.75	21.46	<=34.77	Pass
			2	22.86	0.75	21.46	<=34.77	Pass
			3	22.89	0.75	21.49	<=34.77	Pass
		6	0	21.74	0.75	20.34	<=34.77	Pass
	715.3	1	0	22.32	0.75	20.92	<=34.77	Pass
			2	22.32	0.75	20.92	<=34.77	Pass
			5	22.34	0.75	20.94	<=34.77	Pass
		3	0	22.81	0.75	21.41	<=34.77	Pass
			2	22.82	0.75	21.42	<=34.77	Pass
			3	22.79	0.75	21.39	<=34.77	Pass
		6	0	21.69	0.75	20.29	<=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	23.08	0.75	21.68	<=34.77	Pass		
			7	23.11	0.75	21.71	<=34.77	Pass		
			14	23.12	0.75	21.72	<=34.77	Pass		
		8	0	22.62	0.75	21.22	<=34.77	Pass		
			4	22.60	0.75	21.20	<=34.77	Pass		
			7	22.60	0.75	21.20	<=34.77	Pass		
		15	0	22.62	0.75	21.22	<=34.77	Pass		
		707.5	1	0	23.12	0.75	21.72	<=34.77	Pass	
				7	23.13	0.75	21.73	<=34.77	Pass	
	14			23.16	0.75	21.76	<=34.77	Pass		
	8		0	22.62	0.75	21.22	<=34.77	Pass		
			4	22.66	0.75	21.26	<=34.77	Pass		
			7	22.64	0.75	21.24	<=34.77	Pass		
	15	0	22.65	0.75	21.25	<=34.77	Pass			
	714.5	1	0	23.40	0.75	22.00	<=34.77	Pass		
			7	23.35	0.75	21.95	<=34.77	Pass		
			14	23.29	0.75	21.89	<=34.77	Pass		
		8	0	22.73	0.75	21.33	<=34.77	Pass		
			4	22.76	0.75	21.36	<=34.77	Pass		
			7	22.75	0.75	21.35	<=34.77	Pass		
		15	0	22.78	0.75	21.38	<=34.77	Pass		
		16QAM	700.5	1	0	22.14	0.75	20.74	<=34.77	Pass
					7	22.17	0.75	20.77	<=34.77	Pass
	14				22.14	0.75	20.74	<=34.77	Pass	
	8			0	21.66	0.75	20.26	<=34.77	Pass	
				4	21.66	0.75	20.26	<=34.77	Pass	
				7	21.66	0.75	20.26	<=34.77	Pass	
15	0			21.64	0.75	20.24	<=34.77	Pass		
707.5	1			0	22.37	0.75	20.97	<=34.77	Pass	
				7	22.40	0.75	21.00	<=34.77	Pass	
			14	22.38	0.75	20.98	<=34.77	Pass		
	8		0	21.60	0.75	20.20	<=34.77	Pass		
			4	21.65	0.75	20.25	<=34.77	Pass		
			7	21.61	0.75	20.21	<=34.77	Pass		
15	0		21.62	0.75	20.22	<=34.77	Pass			
714.5	1		0	22.84	0.75	21.44	<=34.77	Pass		
			7	22.76	0.75	21.36	<=34.77	Pass		
			14	22.71	0.75	21.31	<=34.77	Pass		
	8		0	21.99	0.75	20.59	<=34.77	Pass		
			4	21.99	0.75	20.59	<=34.77	Pass		
			7	21.98	0.75	20.58	<=34.77	Pass		
	15		0	21.87	0.75	20.47	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B12 5MHz ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.18	0.75	21.78	<=34.77	Pass
			13	23.12	0.75	21.72	<=34.77	Pass
			24	23.22	0.75	21.82	<=34.77	Pass
		12	0	22.65	0.75	21.25	<=34.77	Pass

16QAM	707.5	25	6	22.59	0.75	21.19	<=34.77	Pass
			13	22.65	0.75	21.25	<=34.77	Pass
			0	22.67	0.75	21.27	<=34.77	Pass
		1	0	23.13	0.75	21.73	<=34.77	Pass
			13	23.17	0.75	21.77	<=34.77	Pass
			24	23.25	0.75	21.85	<=34.77	Pass
		12	0	22.69	0.75	21.29	<=34.77	Pass
			6	22.70	0.75	21.30	<=34.77	Pass
			13	22.70	0.75	21.30	<=34.77	Pass
		25	0	22.68	0.75	21.28	<=34.77	Pass
	713.5	1	0	23.47	0.75	22.07	<=34.77	Pass
			13	23.52	0.75	22.12	<=34.77	Pass
			24	23.51	0.75	22.11	<=34.77	Pass
		12	0	22.81	0.75	21.41	<=34.77	Pass
			6	22.77	0.75	21.37	<=34.77	Pass
			13	22.80	0.75	21.40	<=34.77	Pass
		25	0	22.82	0.75	21.42	<=34.77	Pass
	701.5	1	0	22.25	0.75	20.85	<=34.77	Pass
			13	22.20	0.75	20.80	<=34.77	Pass
			24	22.27	0.75	20.87	<=34.77	Pass
		12	0	21.61	0.75	20.21	<=34.77	Pass
			6	21.59	0.75	20.19	<=34.77	Pass
			13	21.63	0.75	20.23	<=34.77	Pass
		25	0	21.69	0.75	20.29	<=34.77	Pass
	707.5	1	0	22.41	0.75	21.01	<=34.77	Pass
			13	22.44	0.75	21.04	<=34.77	Pass
			24	22.51	0.75	21.11	<=34.77	Pass
		12	0	21.73	0.75	20.33	<=34.77	Pass
			6	21.73	0.75	20.33	<=34.77	Pass
			13	21.69	0.75	20.29	<=34.77	Pass
		25	0	21.69	0.75	20.29	<=34.77	Pass
	713.5	1	0	22.17	0.75	20.77	<=34.77	Pass
			13	22.19	0.75	20.79	<=34.77	Pass
			24	22.17	0.75	20.77	<=34.77	Pass
		12	0	21.84	0.75	20.44	<=34.77	Pass
			6	21.79	0.75	20.39	<=34.77	Pass
			13	21.89	0.75	20.49	<=34.77	Pass
		25	0	21.86	0.75	20.46	<=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	23.12	0.75	21.72	<=34.77	Pass
			25	23.20	0.75	21.80	<=34.77	Pass
			49	23.28	0.75	21.88	<=34.77	Pass
		25	0	22.57	0.75	21.17	<=34.77	Pass
			13	22.70	0.75	21.30	<=34.77	Pass
			25	22.74	0.75	21.34	<=34.77	Pass
	707.5	50	0	22.66	0.75	21.26	<=34.77	Pass
		1	0	23.08	0.75	21.68	<=34.77	Pass
			25	23.21	0.75	21.81	<=34.77	Pass
			49	23.24	0.75	21.84	<=34.77	Pass
		25	0	22.65	0.75	21.25	<=34.77	Pass
			13	22.72	0.75	21.32	<=34.77	Pass

16QAM	711	50	25	22.66	0.75	21.26	<=34.77	Pass
			0	22.65	0.75	21.25	<=34.77	Pass
			0	23.22	0.75	21.82	<=34.77	Pass
		1	25	23.34	0.75	21.94	<=34.77	Pass
			49	23.38	0.75	21.98	<=34.77	Pass
			0	22.82	0.75	21.42	<=34.77	Pass
		25	13	22.77	0.75	21.37	<=34.77	Pass
			25	22.83	0.75	21.43	<=34.77	Pass
			0	22.85	0.75	21.45	<=34.77	Pass
		50	0	22.11	0.75	20.71	<=34.77	Pass
		1	25	22.22	0.75	20.82	<=34.77	Pass
			49	22.30	0.75	20.90	<=34.77	Pass
			0	21.64	0.75	20.24	<=34.77	Pass
		25	13	21.77	0.75	20.37	<=34.77	Pass
			25	21.81	0.75	20.41	<=34.77	Pass
		50	0	21.64	0.75	20.24	<=34.77	Pass
16QAM	704	1	0	22.26	0.75	20.86	<=34.77	Pass
			25	22.42	0.75	21.02	<=34.77	Pass
			49	22.42	0.75	21.02	<=34.77	Pass
		25	0	21.69	0.75	20.29	<=34.77	Pass
			13	21.74	0.75	20.34	<=34.77	Pass
			25	21.64	0.75	20.24	<=34.77	Pass
		50	0	21.64	0.75	20.24	<=34.77	Pass
	707.5	1	0	22.73	0.75	21.33	<=34.77	Pass
			25	22.83	0.75	21.43	<=34.77	Pass
			49	22.79	0.75	21.39	<=34.77	Pass
		25	0	21.86	0.75	20.46	<=34.77	Pass
			13	21.83	0.75	20.43	<=34.77	Pass
			25	21.89	0.75	20.49	<=34.77	Pass
		50	0	21.84	0.75	20.44	<=34.77	Pass
	711	1	0	22.73	0.75	21.33	<=34.77	Pass
			25	22.83	0.75	21.43	<=34.77	Pass
			49	22.79	0.75	21.39	<=34.77	Pass
		25	0	21.86	0.75	20.46	<=34.77	Pass
			13	21.83	0.75	20.43	<=34.77	Pass
			25	21.89	0.75	20.49	<=34.77	Pass
		50	0	21.84	0.75	20.44	<=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	1.330	0.0019	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.722	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
					3.85	1.974	0.0028	-2.5 to 2.5	Pass
				0	3.85	2.489	0.0036	-2.5 to 2.5	Pass
					3.85	-3.934	-0.0056	-2.5 to 2.5	Pass
					3.85	1.187	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0009	-2.5 to 2.5	Pass
					3.85	1.774	0.0025	-2.5 to 2.5	Pass
					3.85	1.774	0.0025	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	3.033	0.0043	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0047	-2.5 to 2.5	Pass

	715.3	6	0	-30	3.85	2.689	0.0038	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.277	0.0060	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				50	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				20	3.27	-0.701	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.347	-0.0047	-2.5 to 2.5	Pass
					4.43	-2.117	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.661	0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0063	-2.5 to 2.5	Pass
				40	3.85	3.533	0.0049	-2.5 to 2.5	Pass
				50	3.85	2.060	0.0029	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	0.601	0.0009	-2.5 to 2.5	Pass
					3.85	1.116	0.0016	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.360	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.903	0.0027	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	4.749	0.0067	-2.5 to 2.5	Pass
					3.85	3.920	0.0055	-2.5 to 2.5	Pass
					4.43	3.805	0.0054	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				-20	3.85	4.821	0.0068	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				10	3.85	1.273	0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0031	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				50	3.85	2.160	0.0031	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-1.860	-0.0026	-2.5 to 2.5	Pass
					3.85	0.830	0.0012	-2.5 to 2.5	Pass
					4.43	-1.502	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0032	-2.5 to 2.5	Pass
				-20	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0074	-2.5 to 2.5	Pass
				10	3.85	3.076	0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass
				50	3.85	2.060	0.0029	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz								
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict	

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	700.5	15	0	20	3.27	-5.465	-0.0078	-2.5 to 2.5	Pass
					3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.445	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				0	3.85	5.536	0.0079	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				40	3.85	2.131	0.0030	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0011	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-5.436	-0.0077	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-3.505	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	1.974	0.0028	-2.5 to 2.5	Pass
					3.85	2.918	0.0041	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.732	-0.0038	-2.5 to 2.5	Pass
				40	3.85	1.216	0.0017	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	-4.334	-0.0062	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.973	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.531	0.0022	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				10	3.85	2.117	0.0030	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.815	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
					4.43	0.043	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				0	3.85	5.107	0.0072	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.749	-0.0067	-2.5 to 2.5	Pass
				50	3.85	4.120	0.0058	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.701	0.0010	-2.5 to 2.5	Pass
					3.85	-2.146	-0.0030	-2.5 to 2.5	Pass

					4.43	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.917	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-5.379	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.85	2.260	0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0073	-2.5 to 2.5	Pass

2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-0.415	-0.0006	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0026	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0027	-2.5 to 2.5	Pass
				0	3.85	-3.948	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.303	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-2.818	-0.0040	-2.5 to 2.5	Pass
					3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0054	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				10	3.85	-2.389	-0.0034	-2.5 to 2.5	Pass
				30	3.85	0.844	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.117	0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.618	-0.0037	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	1.144	0.0016	-2.5 to 2.5	Pass
					3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
					4.43	0.944	0.0013	-2.5 to 2.5	Pass
				-30	3.85	4.077	0.0057	-2.5 to 2.5	Pass
				-20	3.85	3.490	0.0049	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.419	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0041	-2.5 to 2.5	Pass
				50	3.85	2.403	0.0034	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	0.944	0.0013	-2.5 to 2.5	Pass
					4.43	1.445	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	1.702	0.0024	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.402	-0.0020	-2.5 to 2.5	Pass

	707.5	25	0	40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-2.275	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0032	-2.5 to 2.5	Pass
					4.43	0.443	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.117	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.675	-0.0038	-2.5 to 2.5	Pass
				0	3.85	1.388	0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
	713.5	25	0	50	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				20	3.27	-2.189	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.435	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.520	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				50	3.85	1.831	0.0026	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-1.616	-0.0023	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.345	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	0.057	0.0001	-2.5 to 2.5	Pass
					3.85	1.159	0.0016	-2.5 to 2.5	Pass
					4.43	0.329	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.732	0.0039	-2.5 to 2.5	Pass
				0	3.85	0.601	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.059	0.0015	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.789	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass

				-10	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.501	0.0007	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	-2.689	-0.0038	-2.5 to 2.5	Pass
					3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.817	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
	707.5	50	0	40	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.230	-0.0017	-2.5 to 2.5	Pass
				20	3.27	-0.830	-0.0012	-2.5 to 2.5	Pass
					3.85	1.059	0.0015	-2.5 to 2.5	Pass
					4.43	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.987	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.85	2.174	0.0031	-2.5 to 2.5	Pass
				40	3.85	1.216	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.217	0.0031	-2.5 to 2.5	Pass
				20	3.27	-0.987	-0.0014	-2.5 to 2.5	Pass
					3.85	0.529	0.0007	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.489	-0.0035	-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	
		Size	Offset	Result	Limit
QPSK	707.5	6	0	Refer To Test Graph	
16QAM	707.5	6	0	Refer To Test Graph	

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

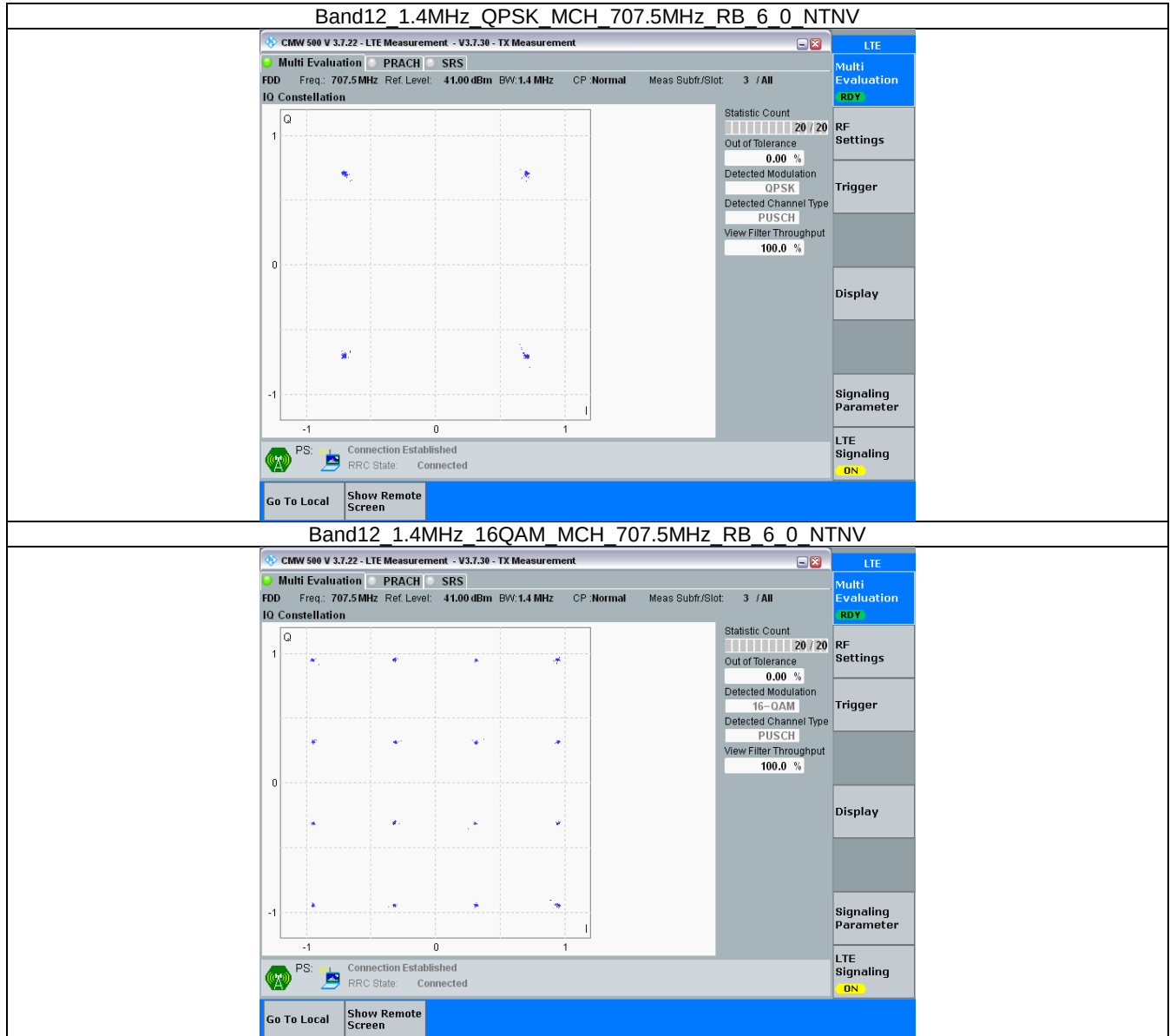
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

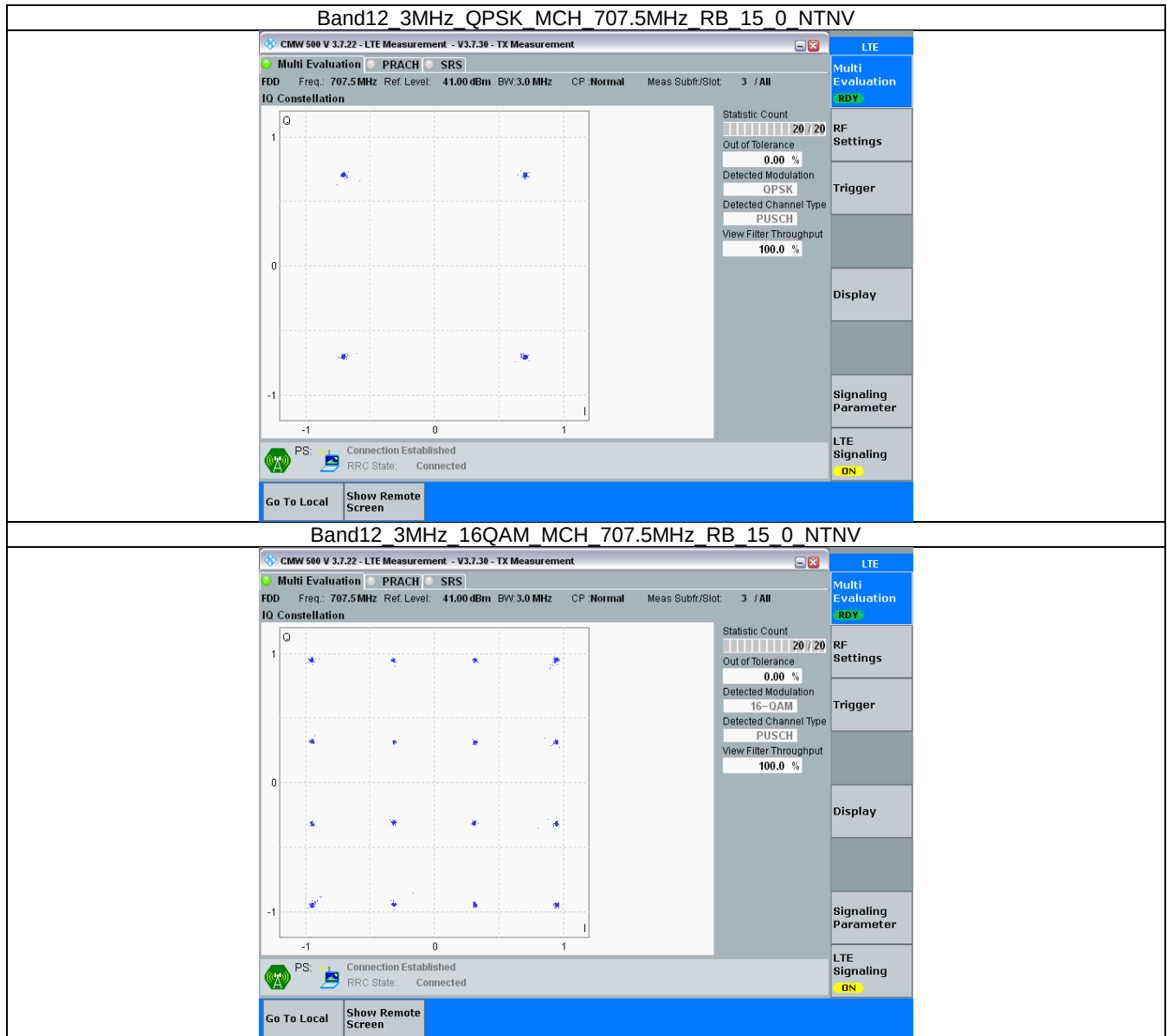
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

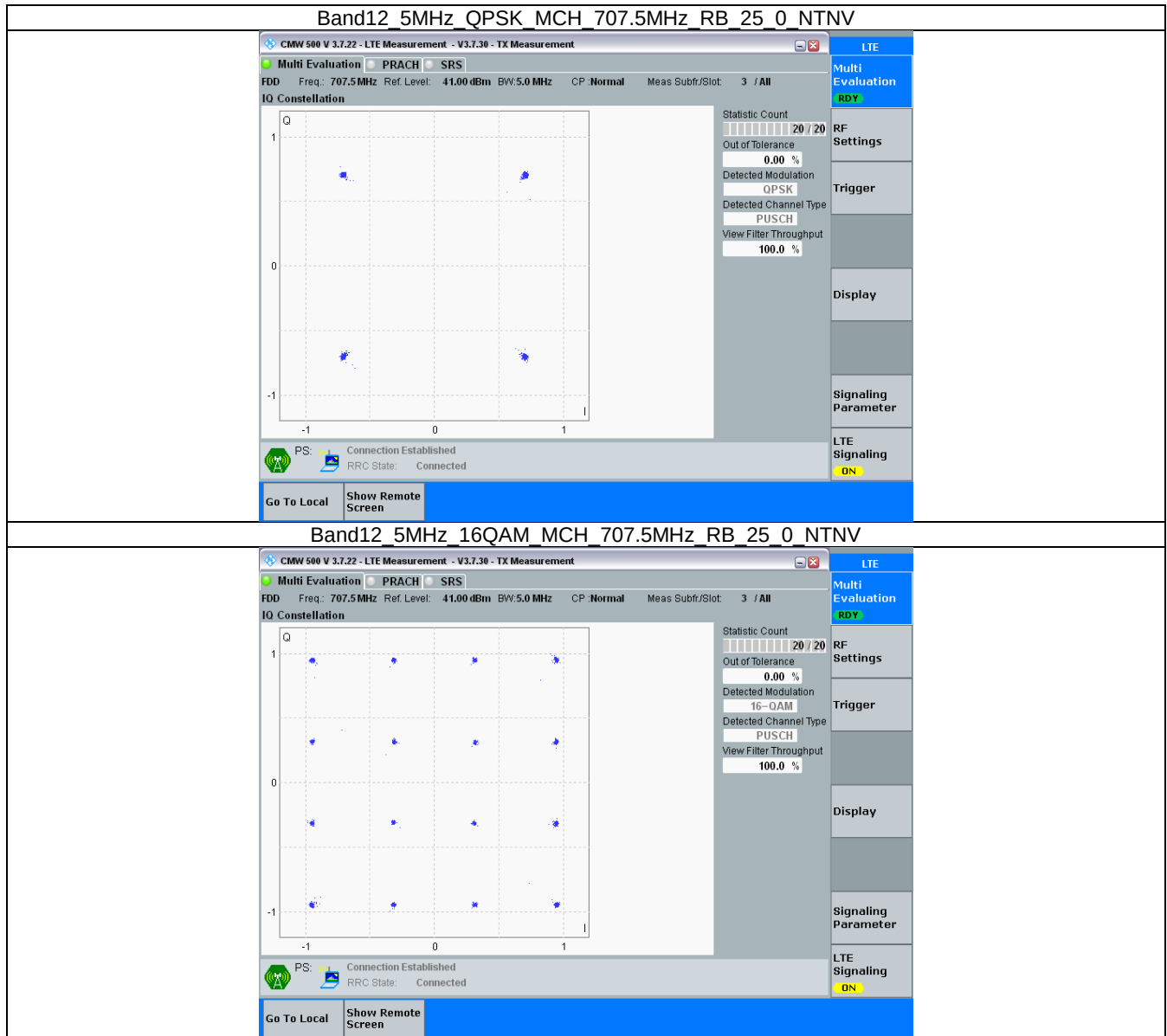
3.2.1 B12_1.4MHz



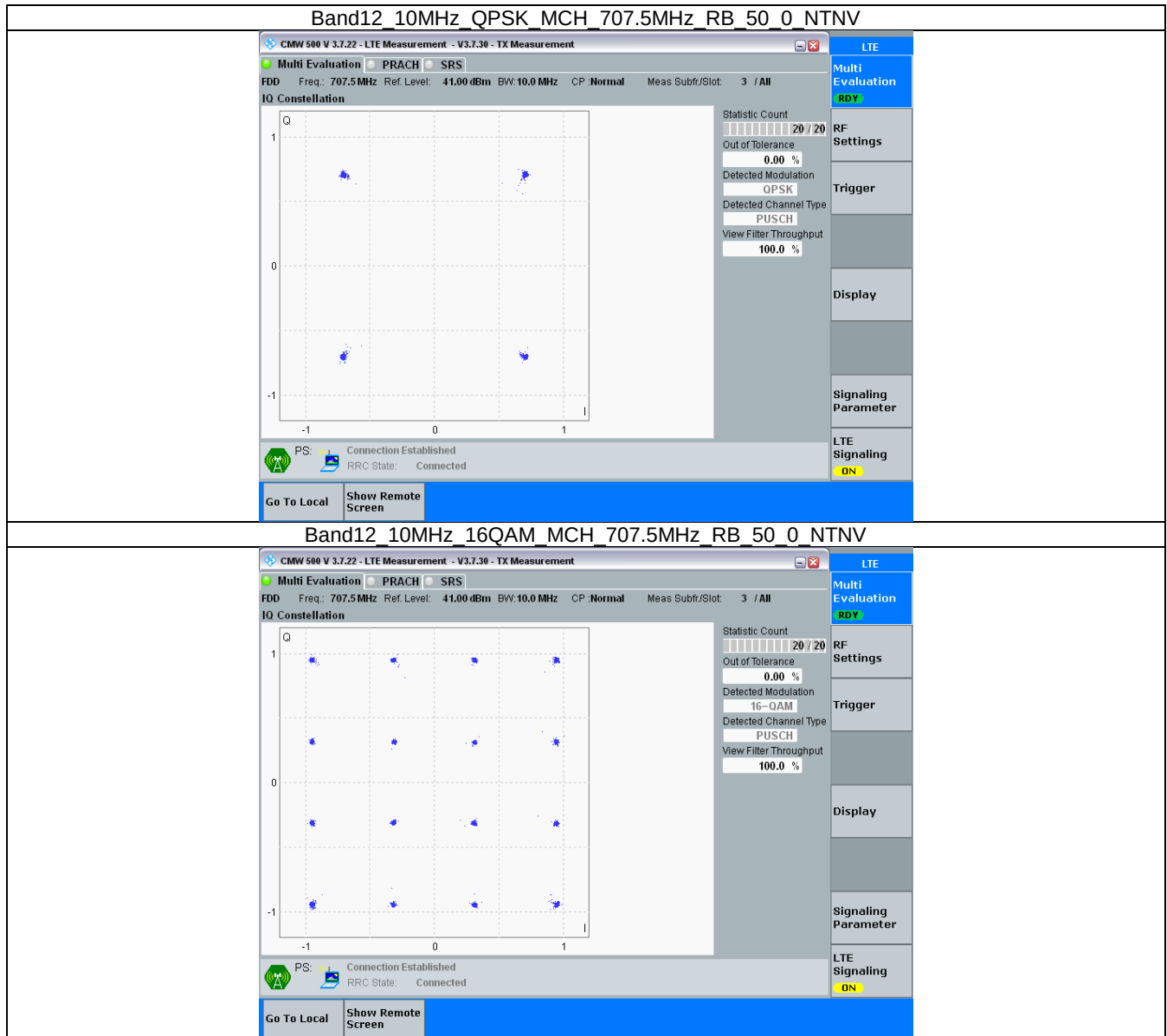
3.2.2 B12_3MHz



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	1.124	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.116	/	Pass
	16QAM	699.7	6	0	1.114	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.117	/	Pass
3	QPSK	700.5	15	0	2.739	/	Pass
		707.5	15	0	2.744	/	Pass
		714.5	15	0	2.737	/	Pass
	16QAM	700.5	15	0	2.727	/	Pass
		707.5	15	0	2.731	/	Pass
		714.5	15	0	2.722	/	Pass
5	QPSK	701.5	25	0	4.555	/	Pass
		707.5	25	0	4.539	/	Pass
		713.5	25	0	4.558	/	Pass
	16QAM	701.5	25	0	4.545	/	Pass
		707.5	25	0	4.553	/	Pass
		713.5	25	0	4.539	/	Pass
10	QPSK	704	50	0	9.070	/	Pass
		707.5	50	0	9.017	/	Pass
		711	50	0	9.037	/	Pass
	16QAM	704	50	0	9.036	/	Pass
		707.5	50	0	9.044	/	Pass
		711	50	0	9.073	/	Pass

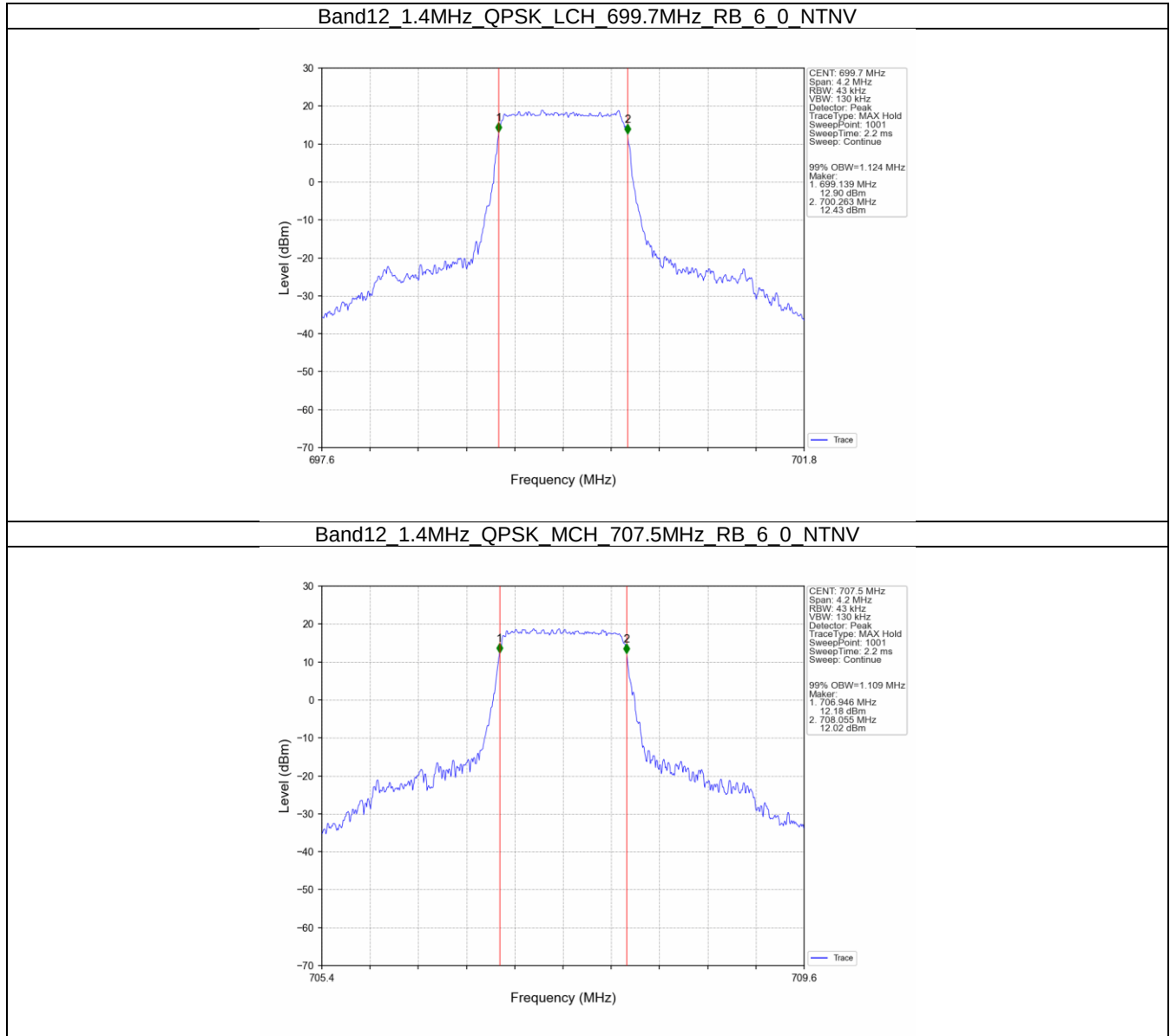
4.1.2 Band12_XDB

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	1.321	/	Pass
		707.5	6	0	1.337	/	Pass
		715.3	6	0	1.326	/	Pass
	16QAM	699.7	6	0	1.320	/	Pass
		707.5	6	0	1.309	/	Pass
		715.3	6	0	1.310	/	Pass
3	QPSK	700.5	15	0	3.011	/	Pass
		707.5	15	0	3.013	/	Pass
		714.5	15	0	3.007	/	Pass
	16QAM	700.5	15	0	2.999	/	Pass
		707.5	15	0	3.011	/	Pass
		714.5	15	0	3.032	/	Pass
5	QPSK	701.5	25	0	5.081	/	Pass
		707.5	25	0	5.056	/	Pass

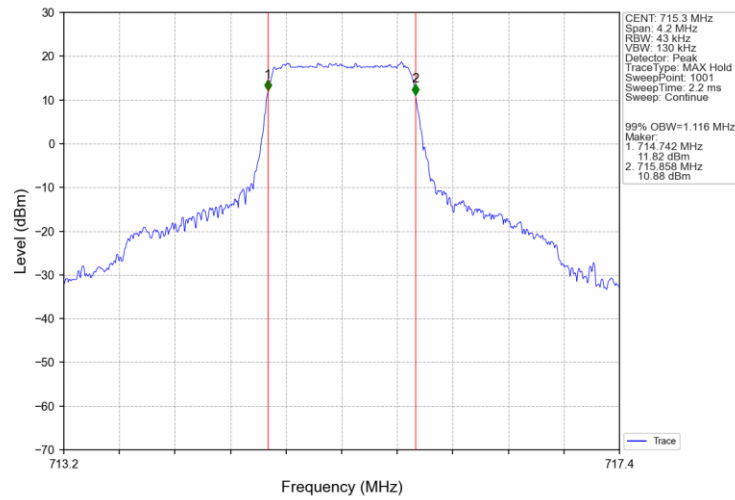
	16QAM	713.5	25	0	5.115	/	Pass
		701.5	25	0	5.081	/	Pass
		707.5	25	0	5.054	/	Pass
		713.5	25	0	5.036	/	Pass
10	QPSK	704	50	0	9.978	/	Pass
		707.5	50	0	9.923	/	Pass
		711	50	0	9.892	/	Pass
	16QAM	704	50	0	9.955	/	Pass
		707.5	50	0	9.971	/	Pass
		711	50	0	9.954	/	Pass

4.2 Test Graph

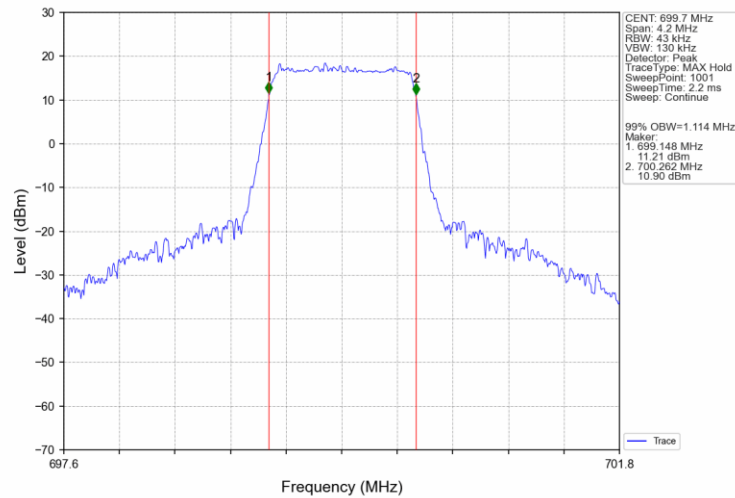
4.2.1 Band12_OBW



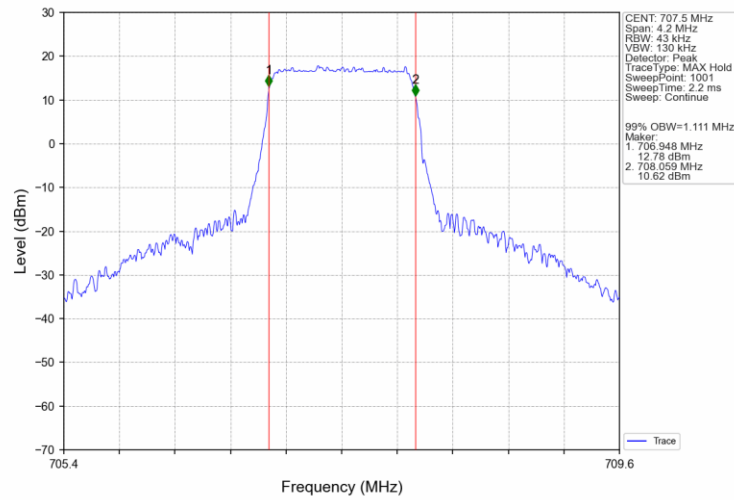
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



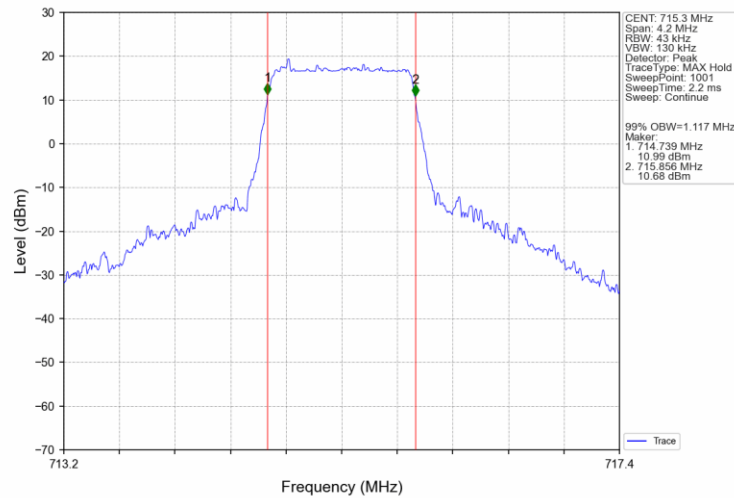
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



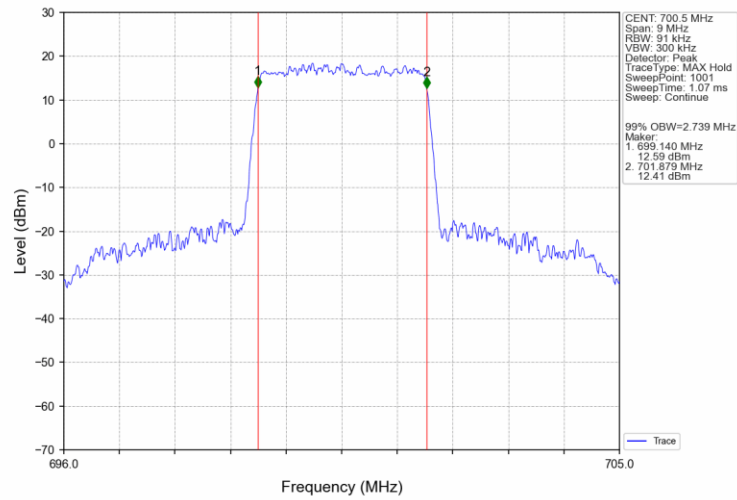
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



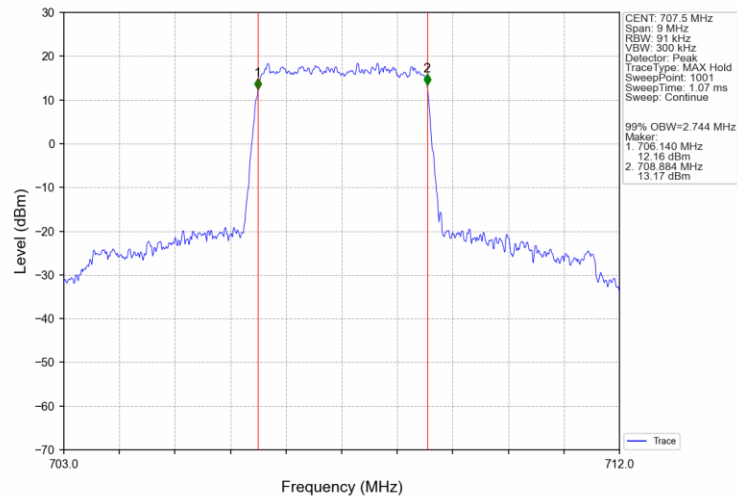
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



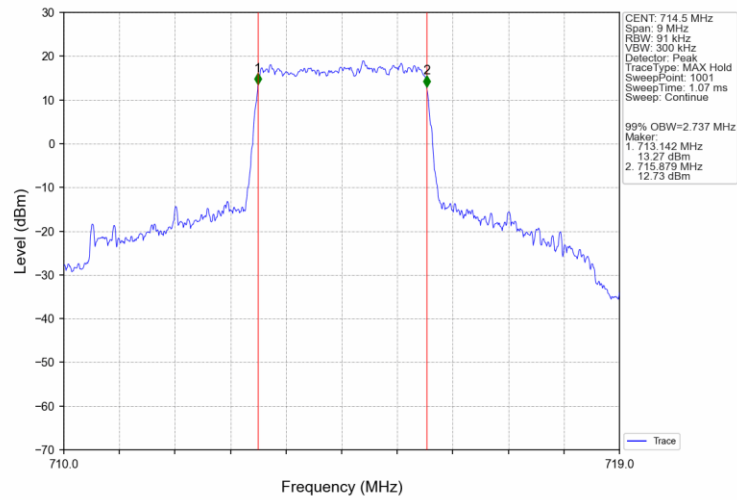
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



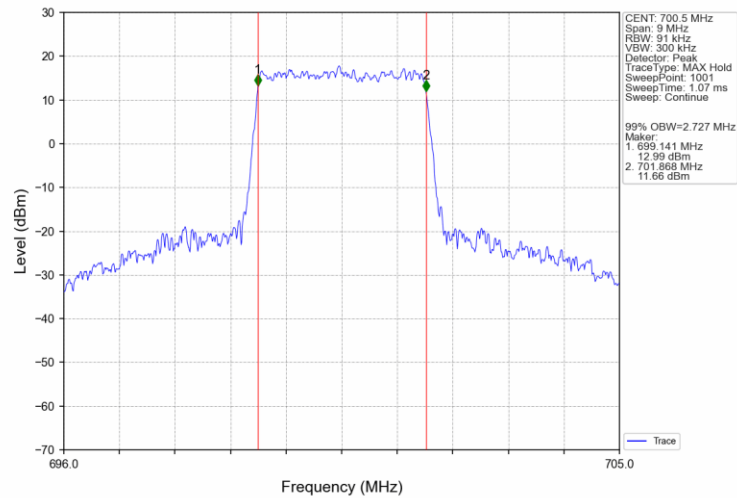
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



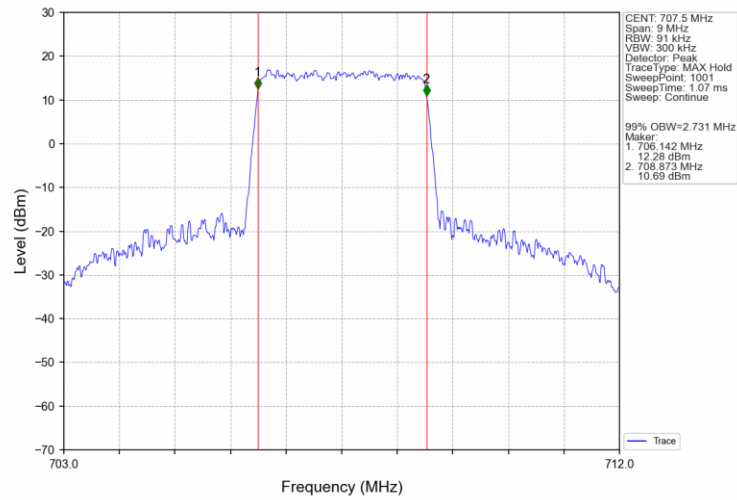
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



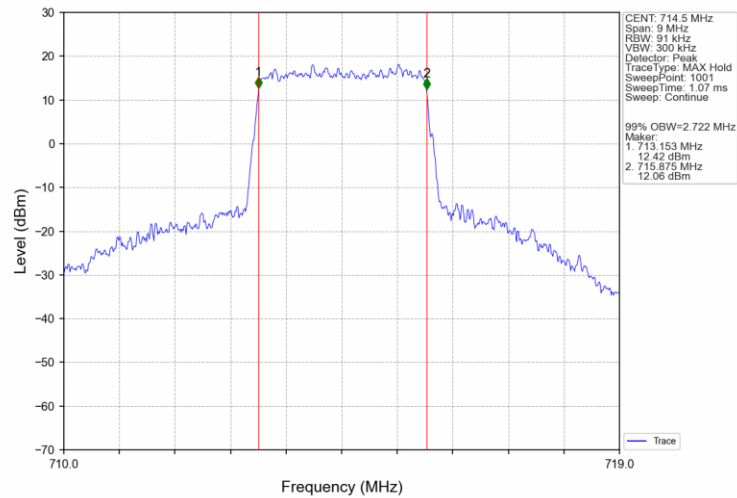
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



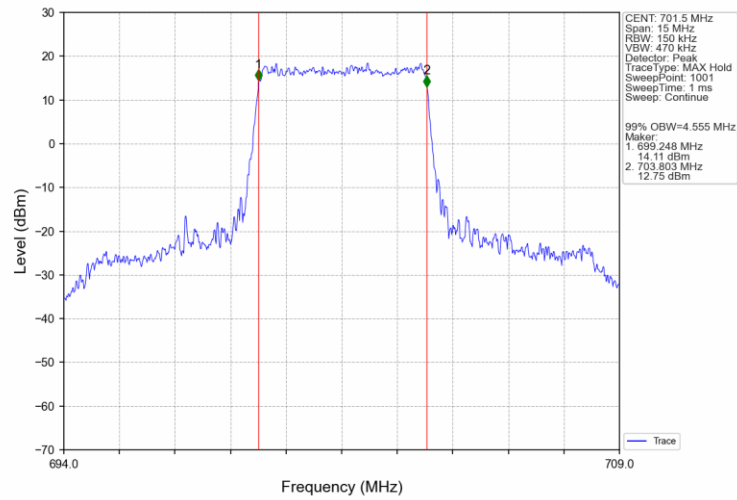
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



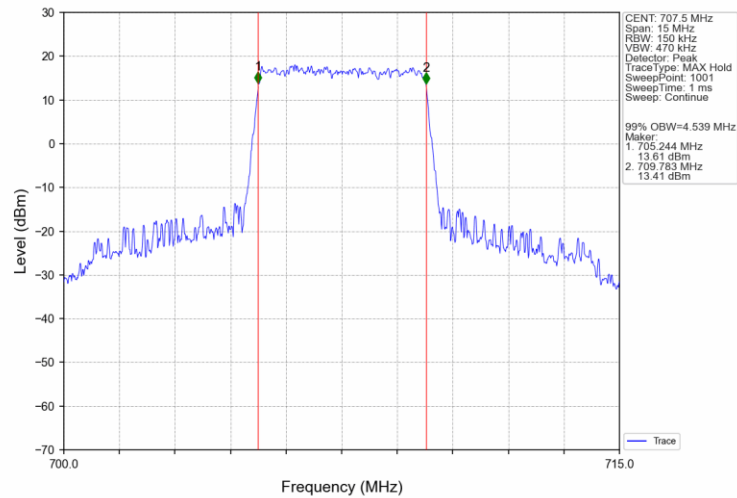
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



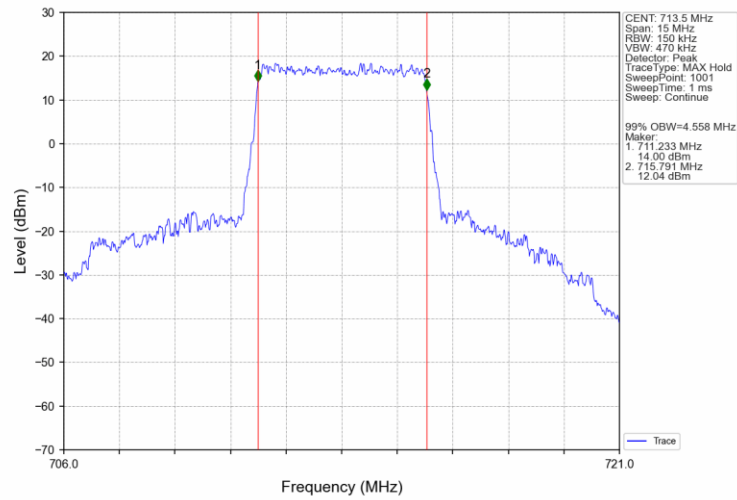
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



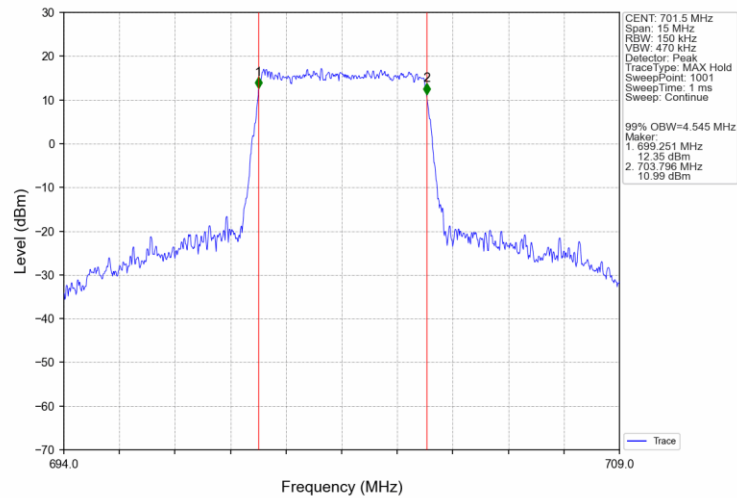
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



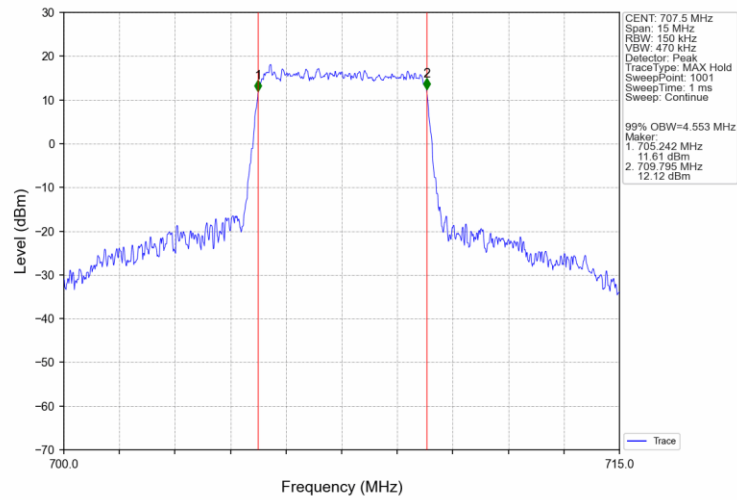
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



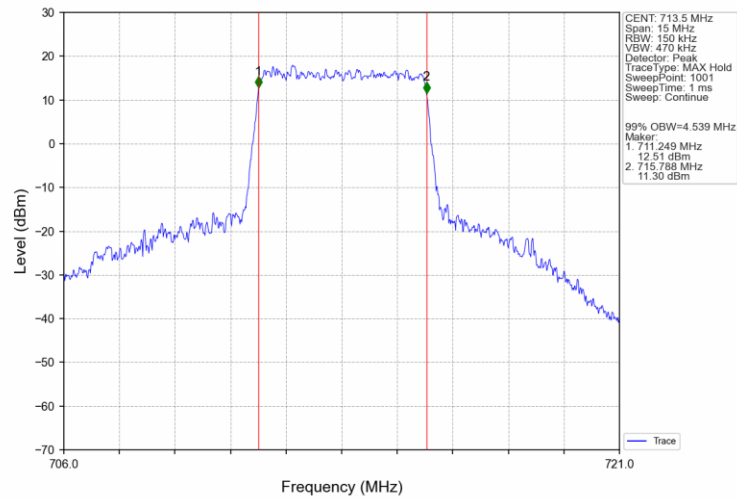
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



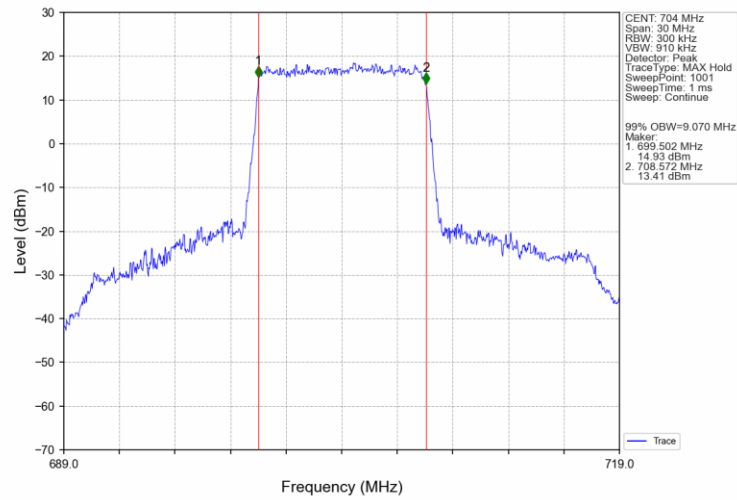
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



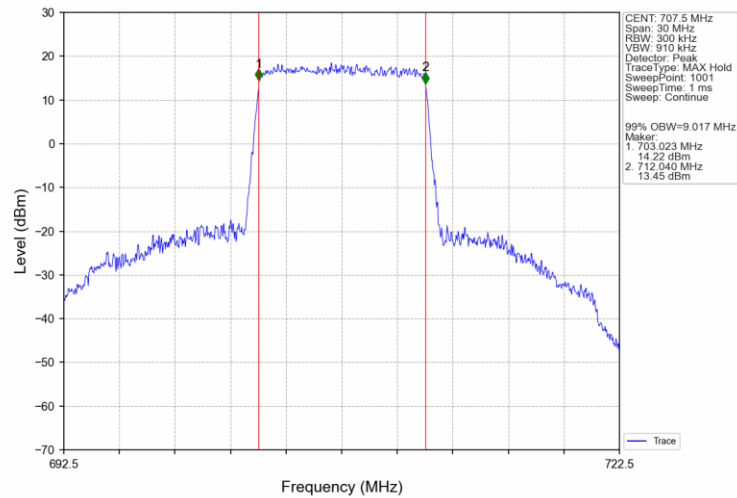
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



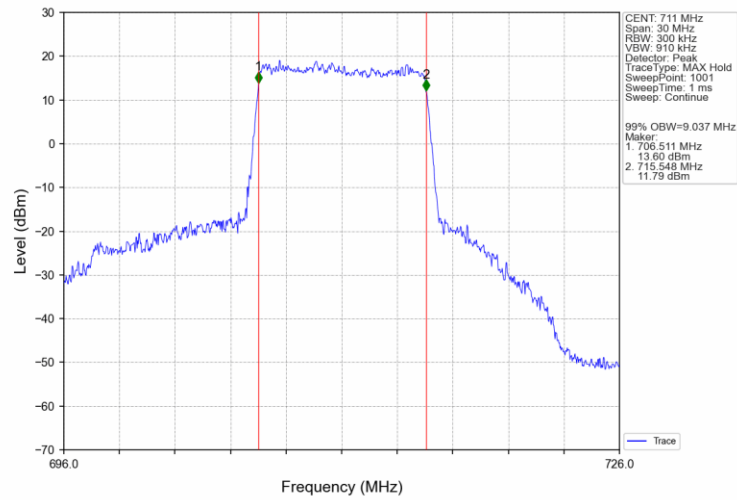
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



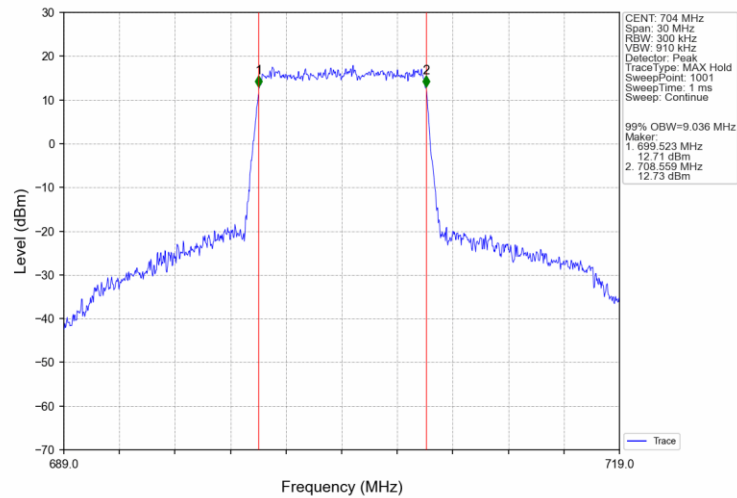
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



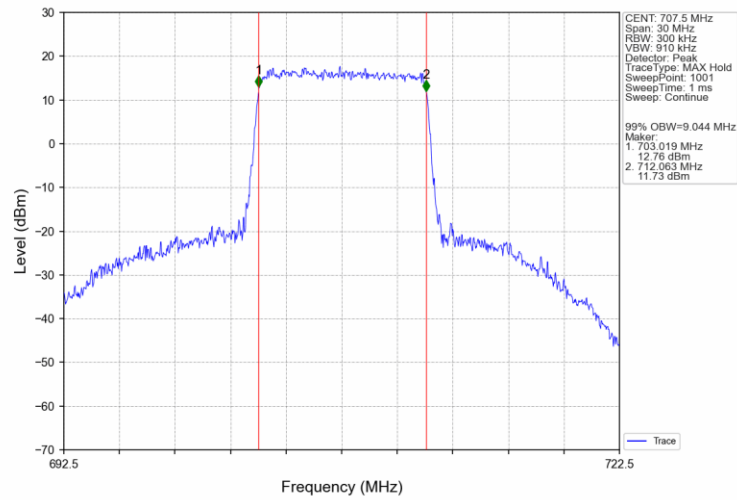
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



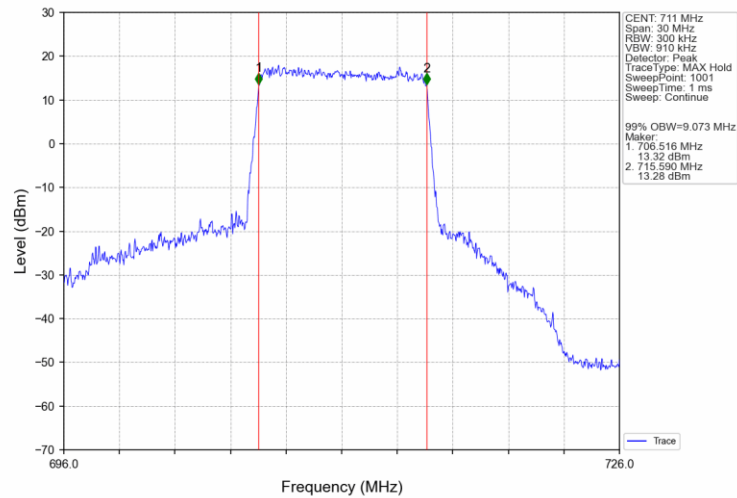
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV

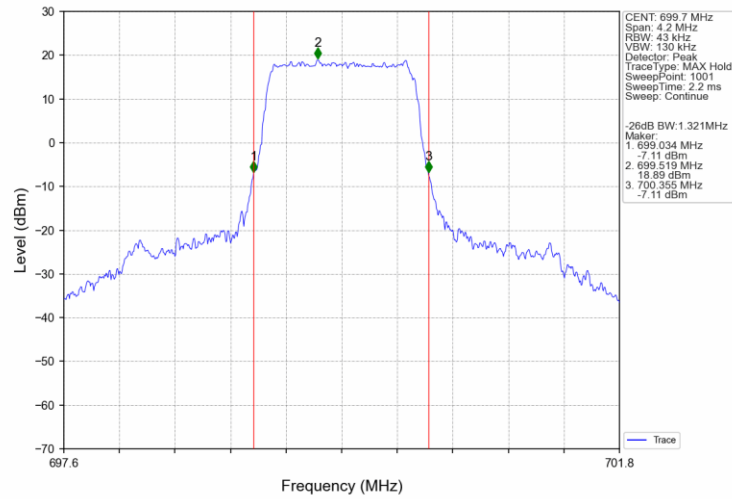


Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

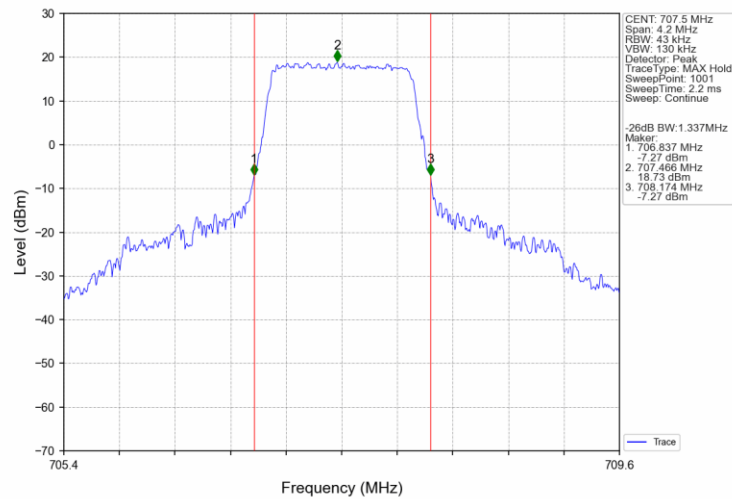


4.2.2 Band12_XDB

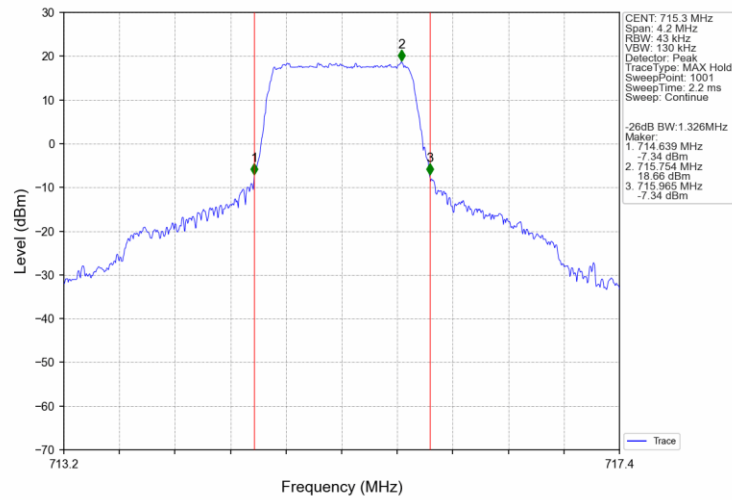
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



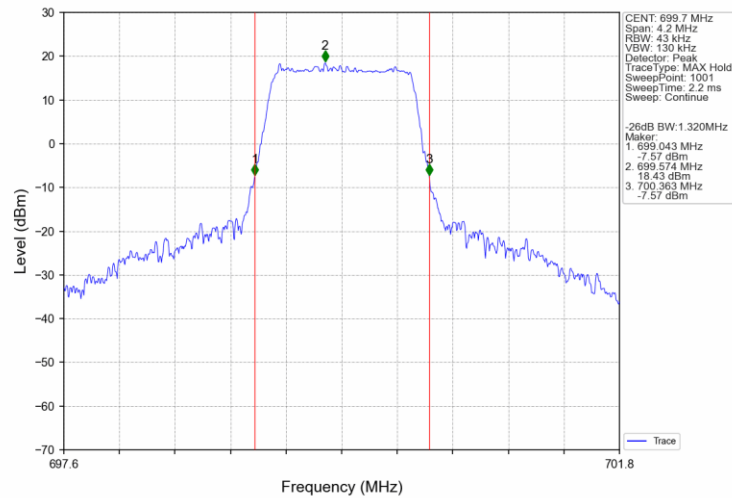
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



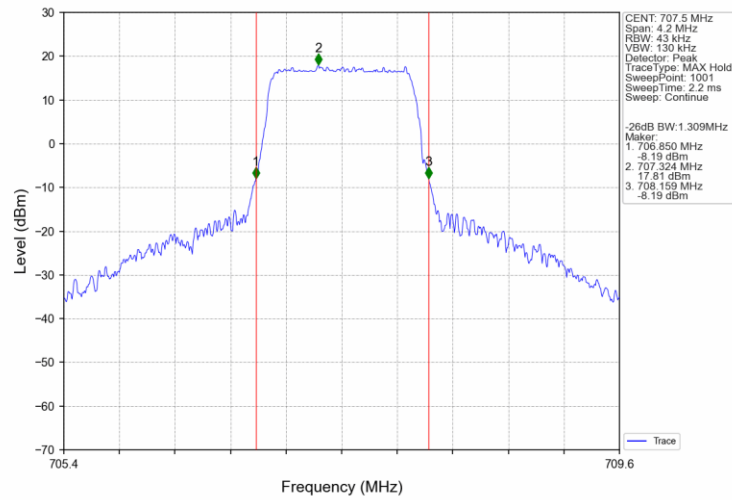
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



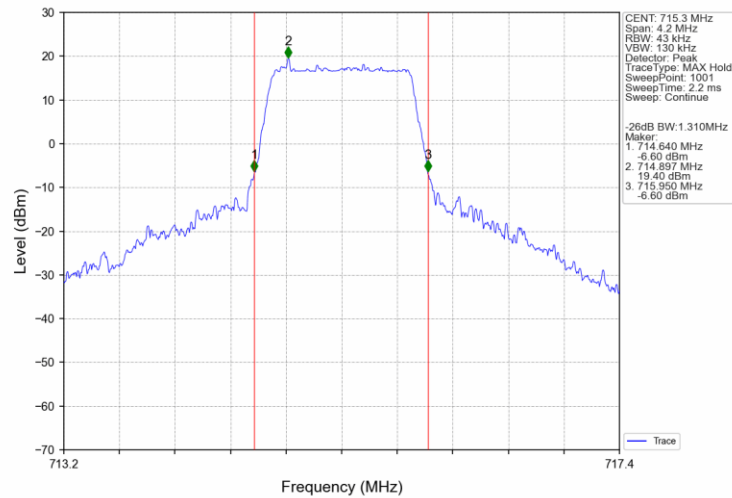
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



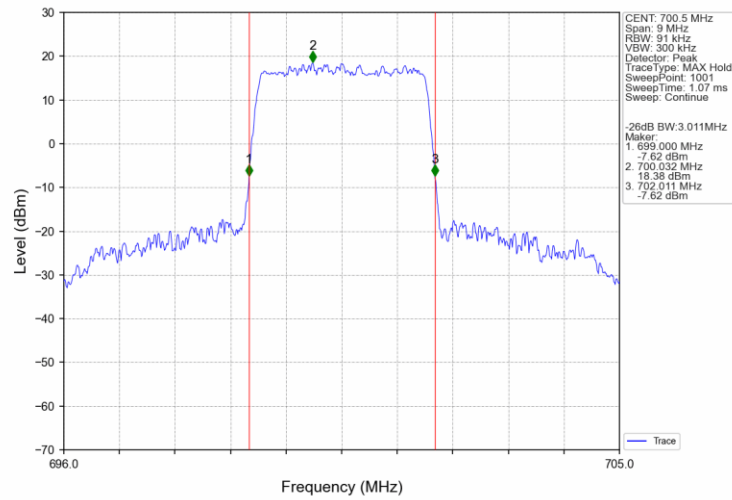
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



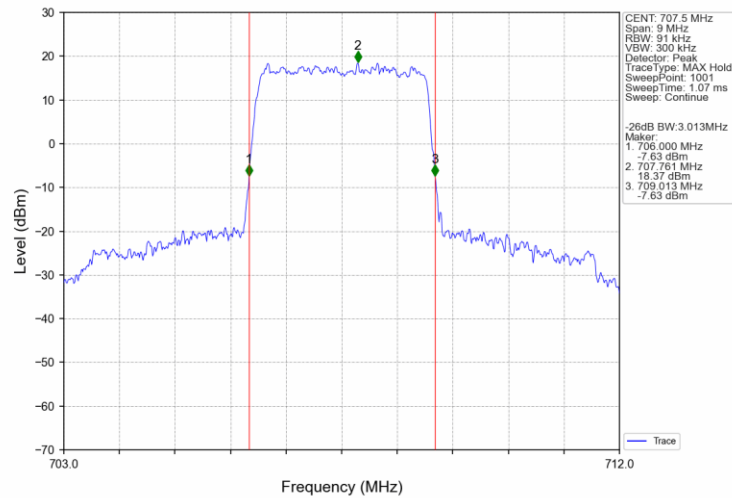
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



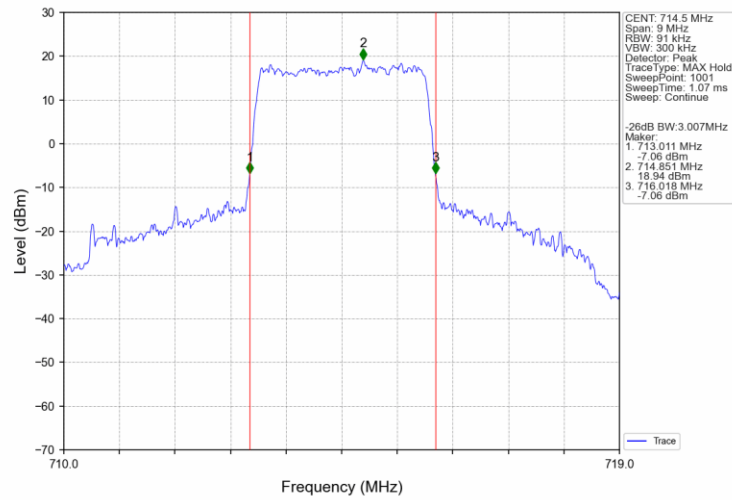
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



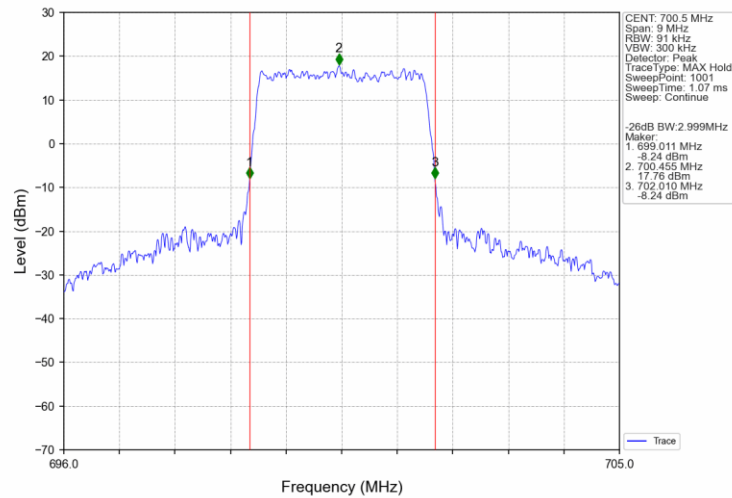
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



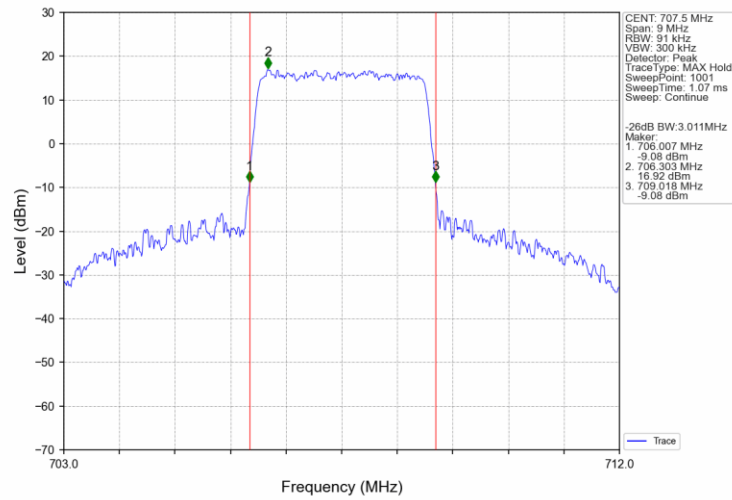
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



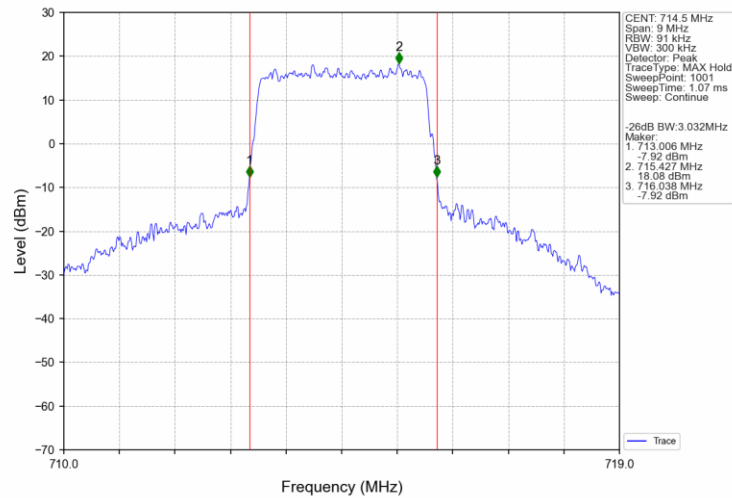
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



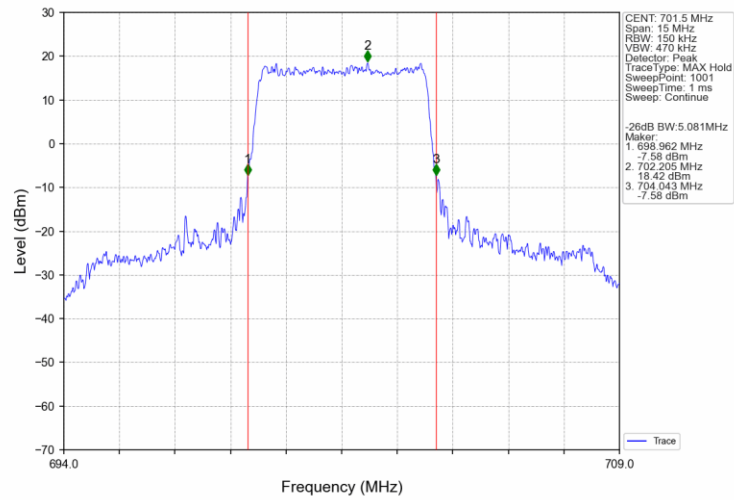
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



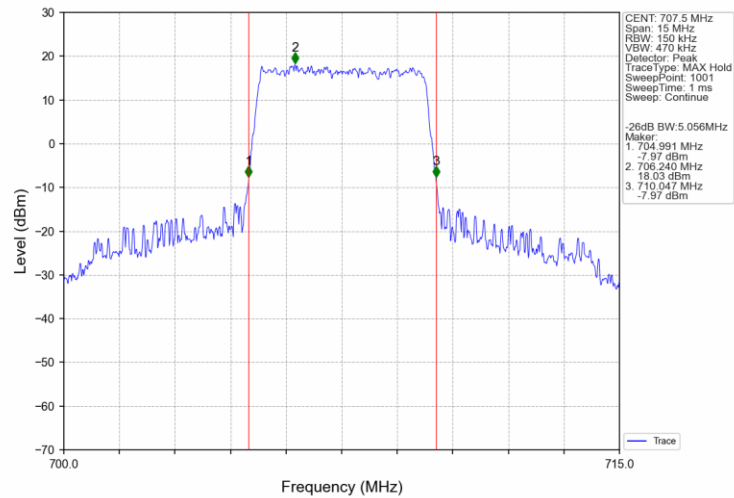
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



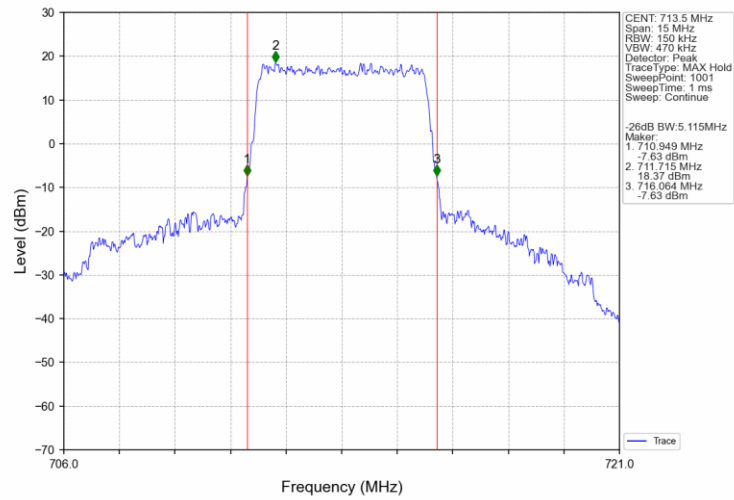
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



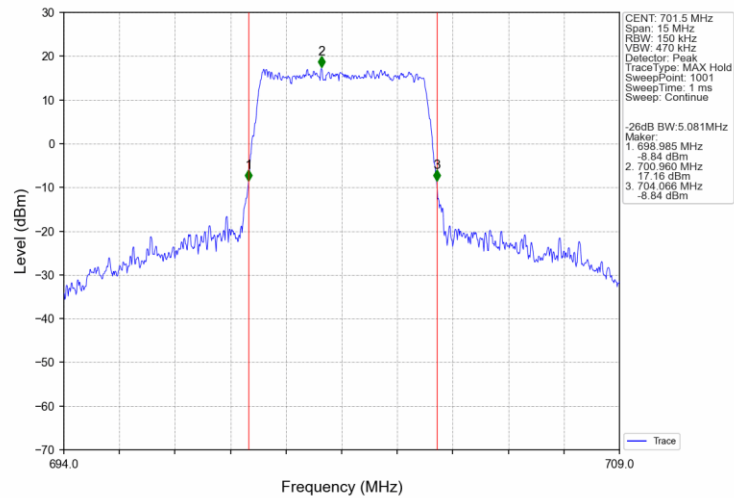
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



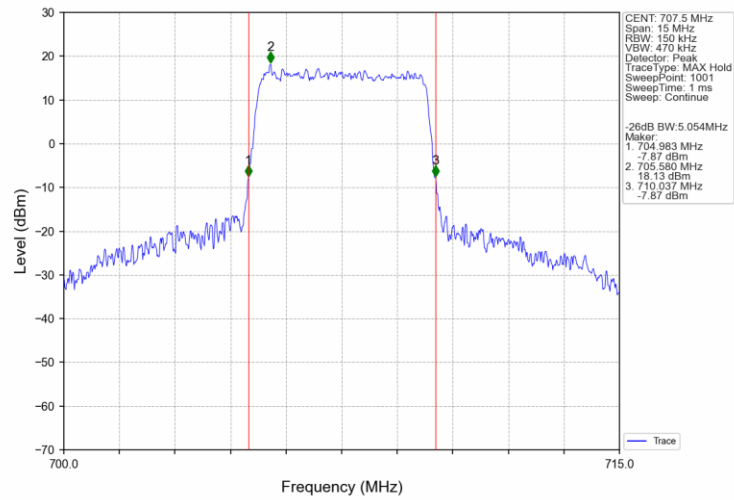
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



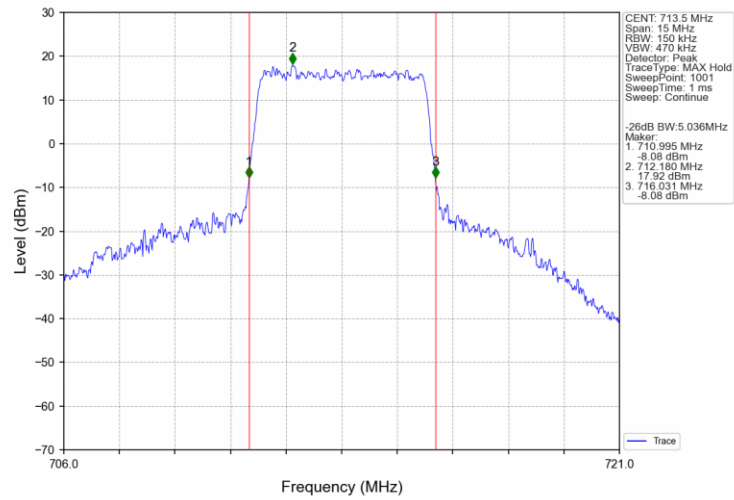
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



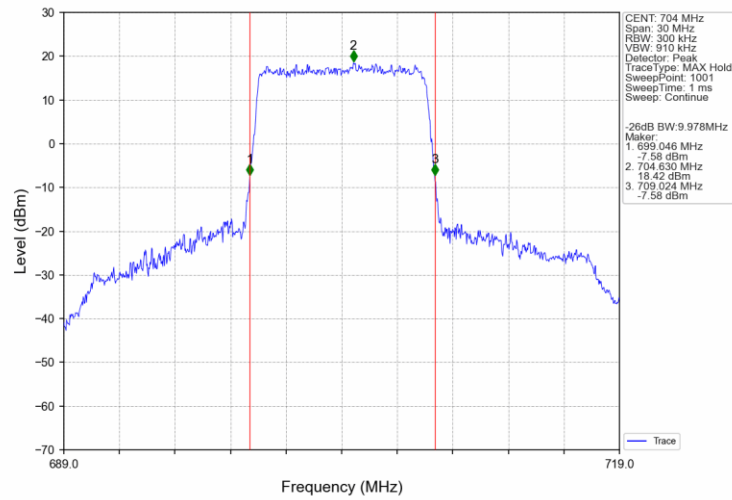
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



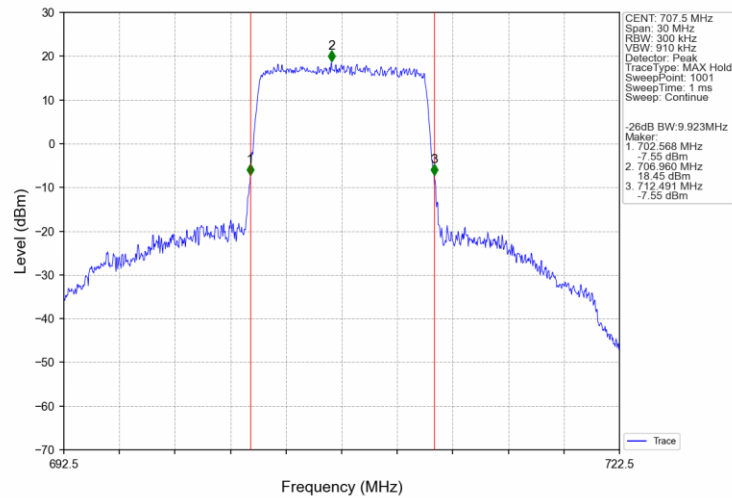
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



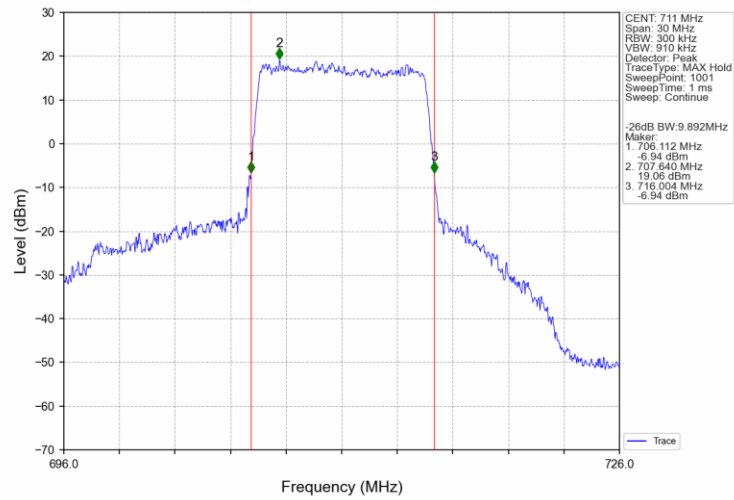
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



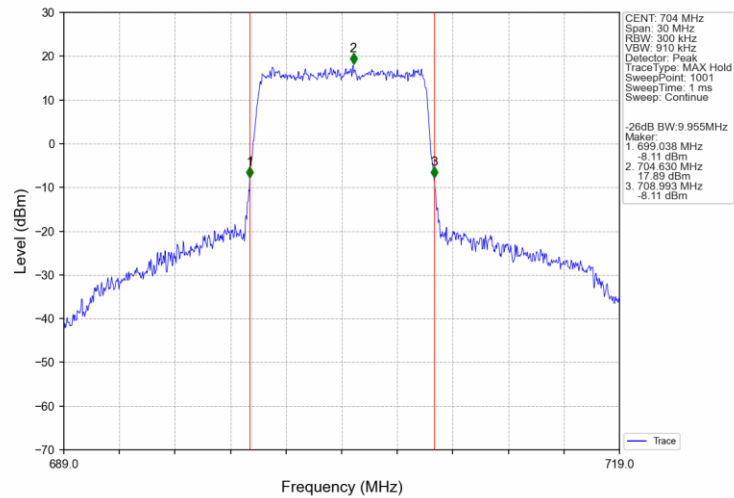
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



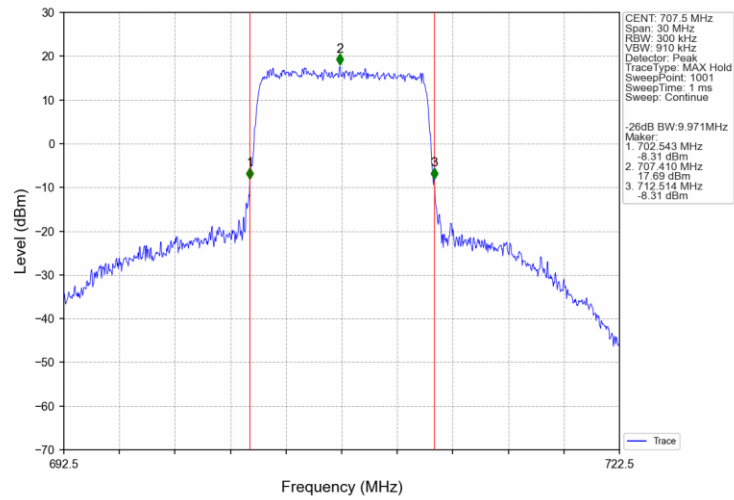
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0 NTN



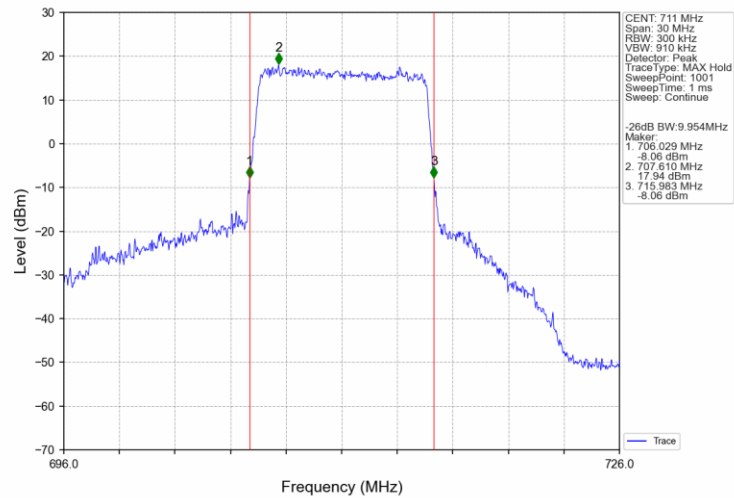
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0 NTN



Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.10	<=13	Pass
	707.5	6	0	4.87	<=13	Pass
	715.3	6	0	4.28	<=13	Pass
16QAM	699.7	6	0	5.92	<=13	Pass
	707.5	6	0	5.72	<=13	Pass
	715.3	6	0	5.06	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.28	<=13	Pass
	707.5	15	0	5.09	<=13	Pass
	714.5	15	0	4.67	<=13	Pass
16QAM	700.5	15	0	6.12	<=13	Pass
	707.5	15	0	5.95	<=13	Pass
	714.5	15	0	5.47	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.52	<=13	Pass
	707.5	25	0	5.40	<=13	Pass
	713.5	25	0	5.19	<=13	Pass
16QAM	701.5	25	0	6.23	<=13	Pass
	707.5	25	0	6.13	<=13	Pass
	713.5	25	0	5.85	<=13	Pass

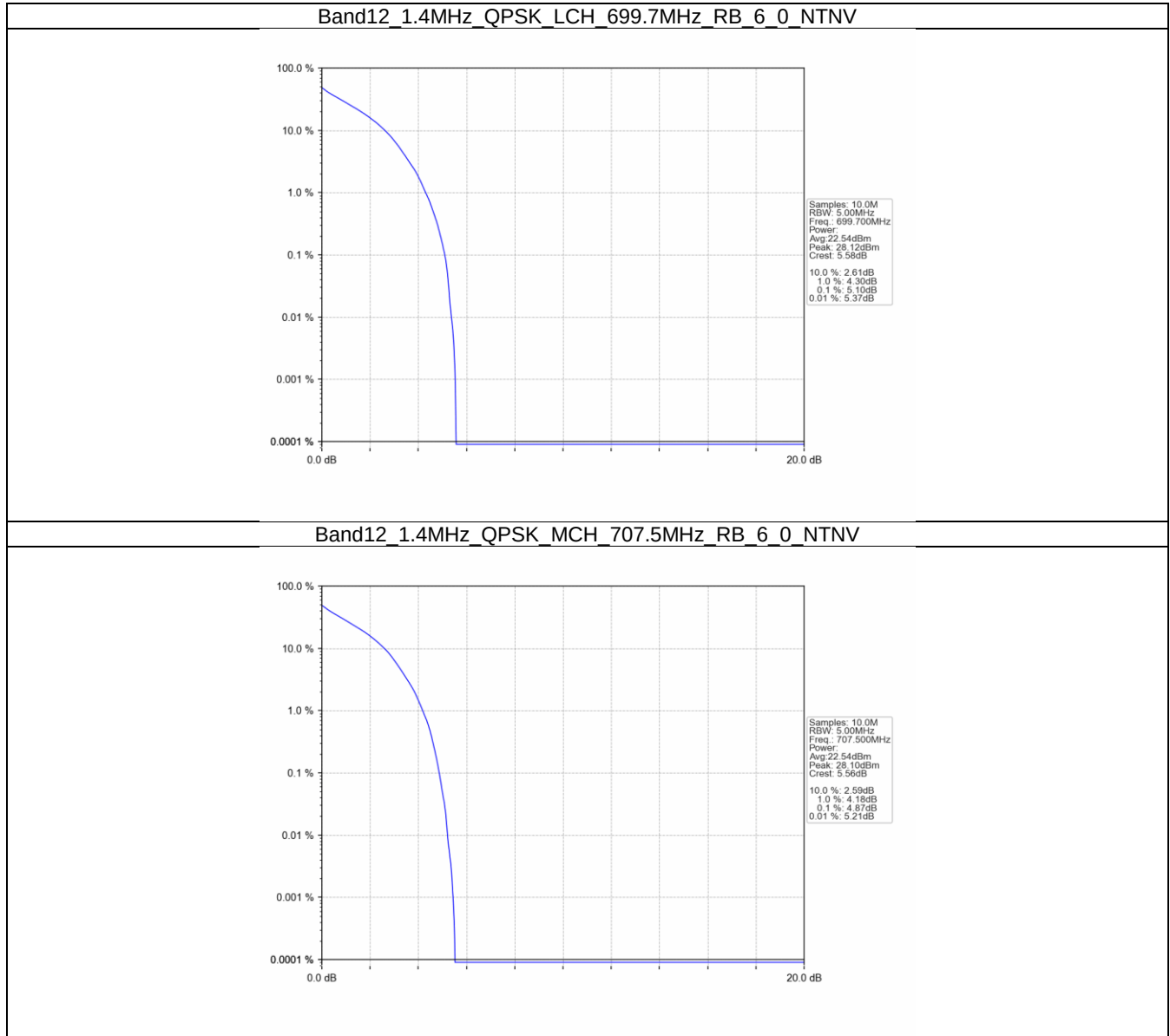
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.29	<=13	Pass
	707.5	50	0	5.25	<=13	Pass
	711	50	0	5.32	<=13	Pass
16QAM	704	50	0	6.09	<=13	Pass
	707.5	50	0	6.08	<=13	Pass
	711	50	0	6.08	<=13	Pass

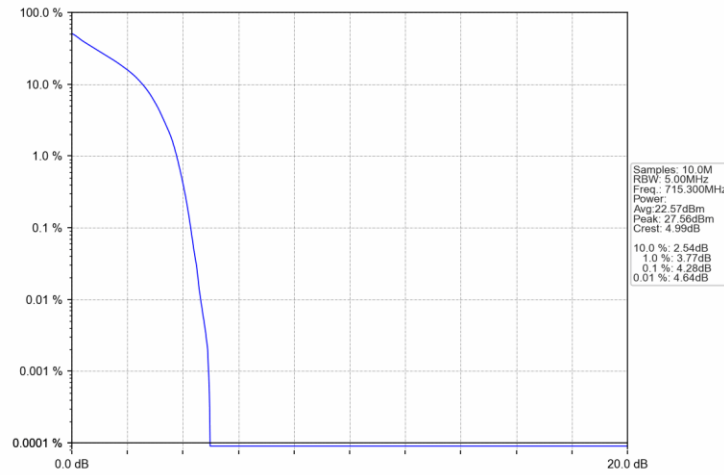


5.2 Test Graph

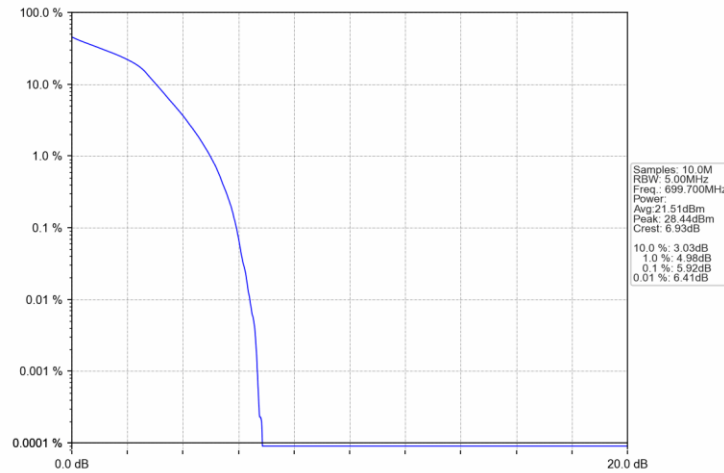
5.2.1 B12_1.4MHz



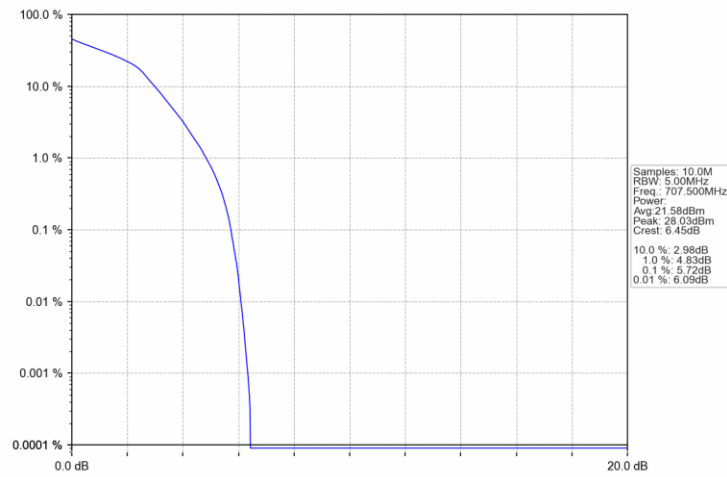
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



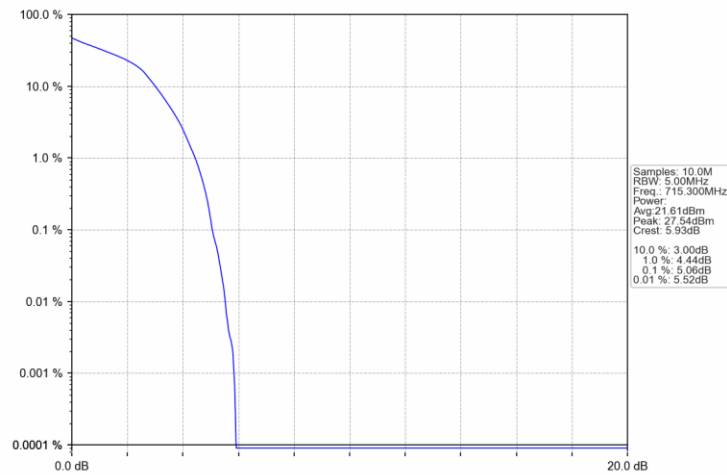
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

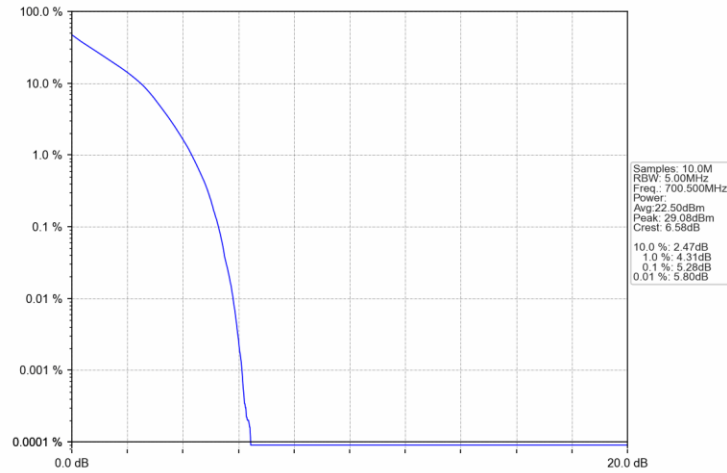


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

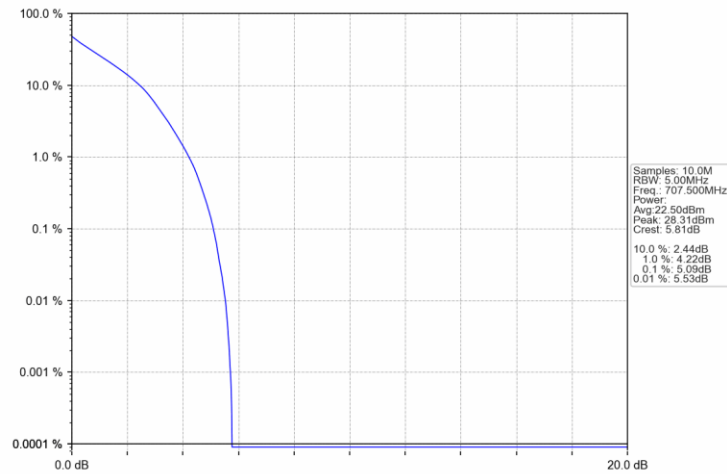


5.2.2 B12_3MHz

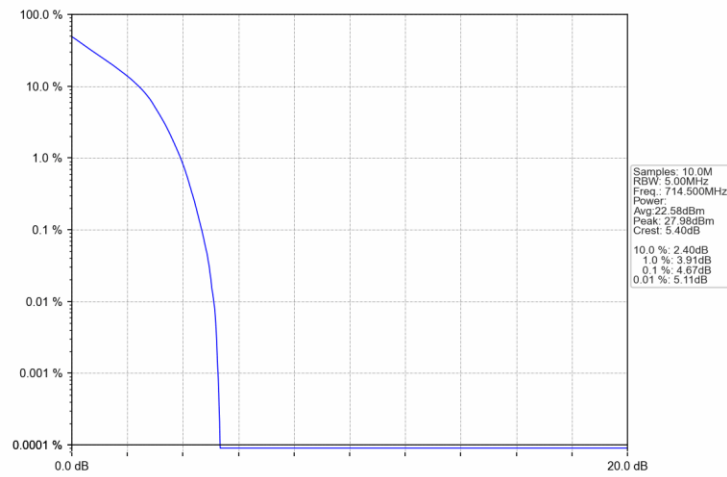
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



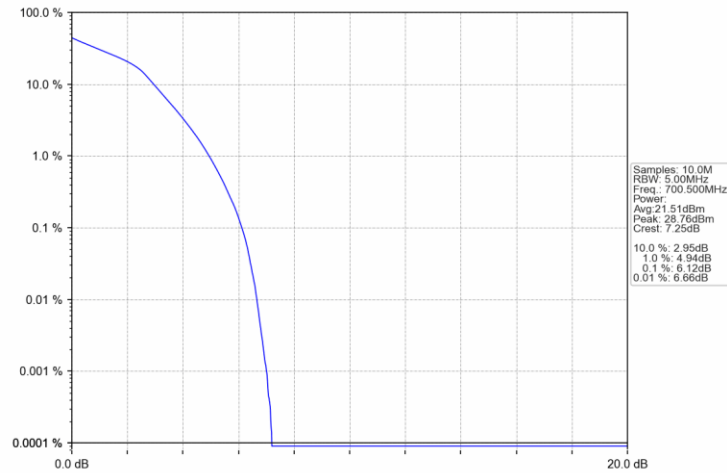
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



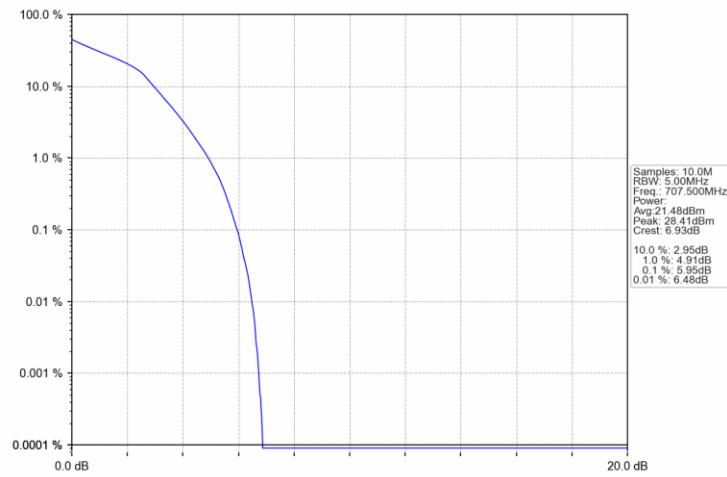
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



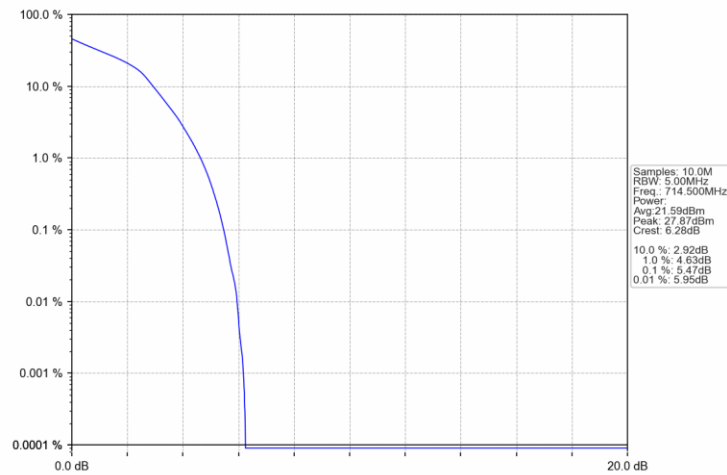
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

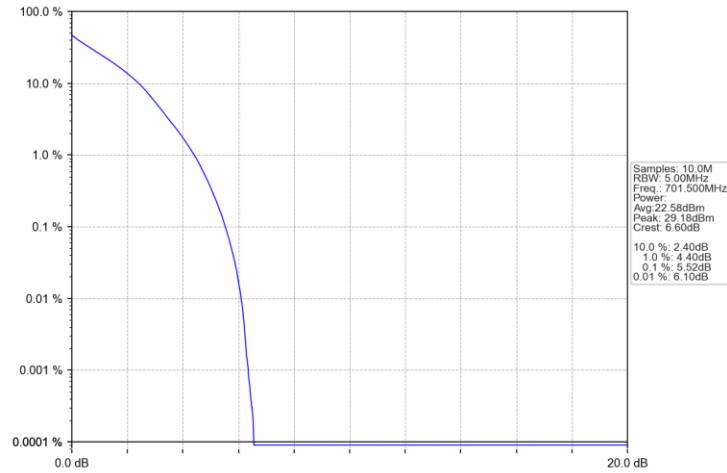


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

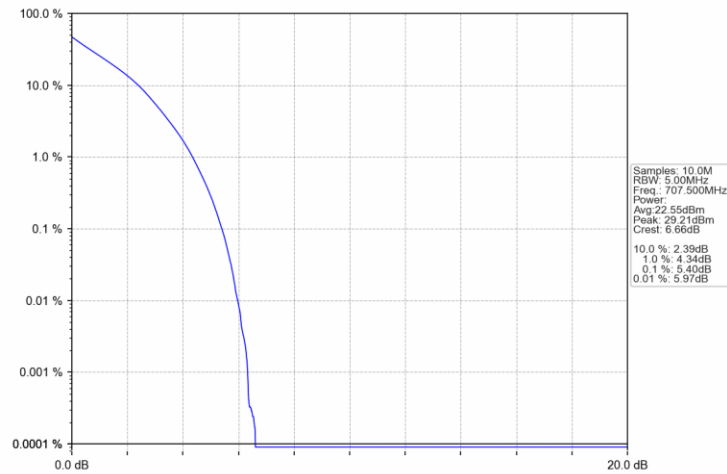


5.2.3 B12_5MHz

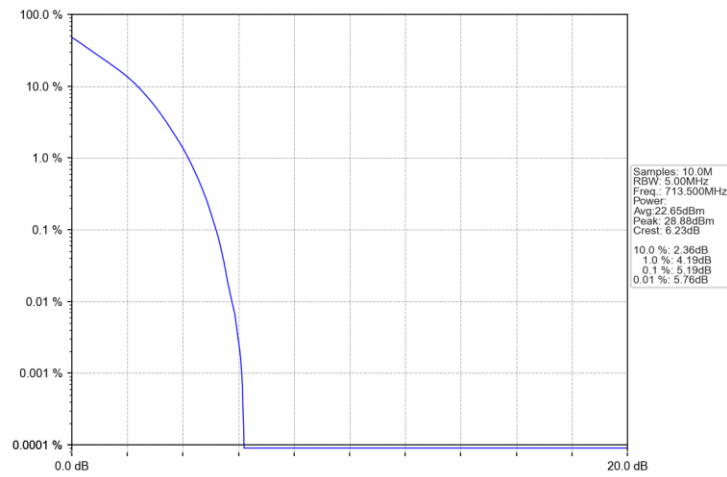
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



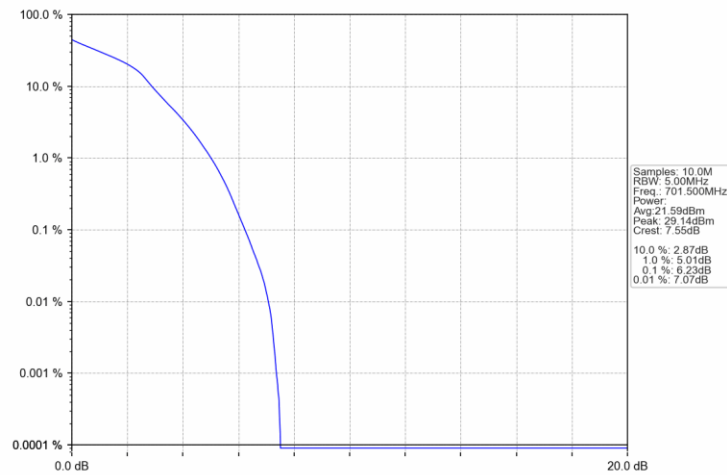
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



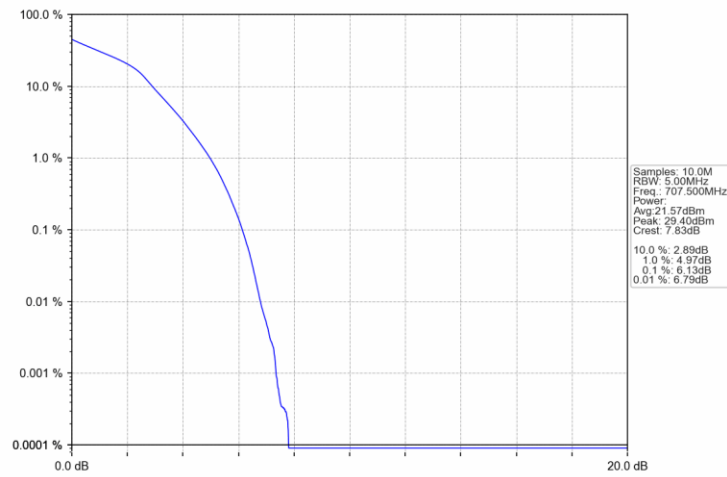
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



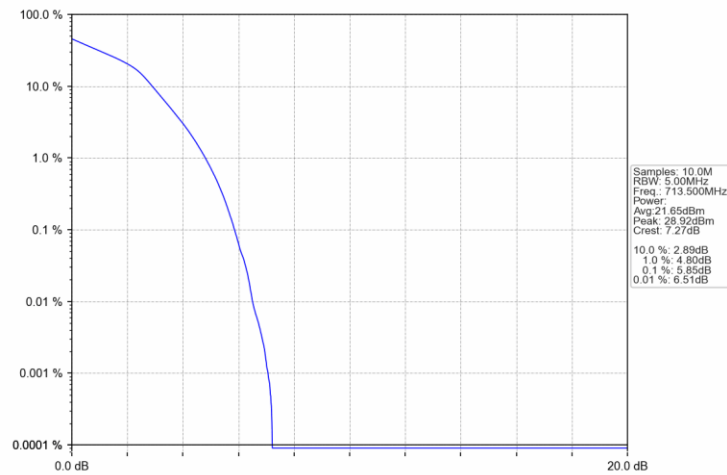
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

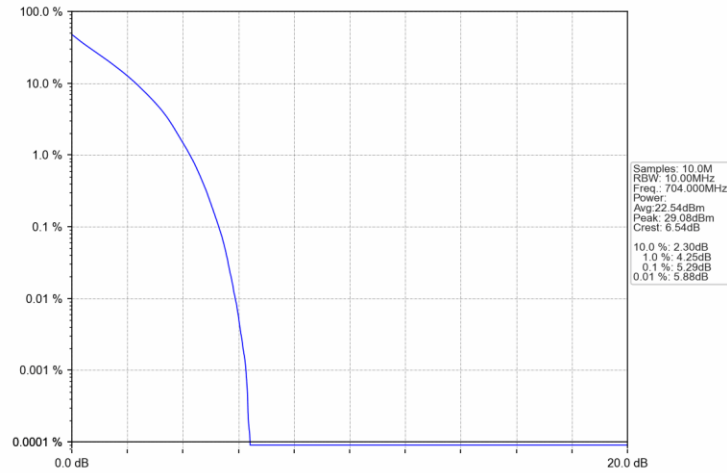


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

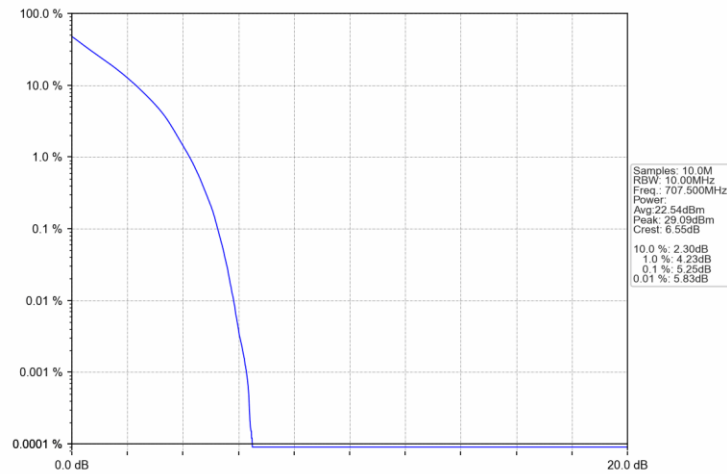


5.2.4 B12_10MHz

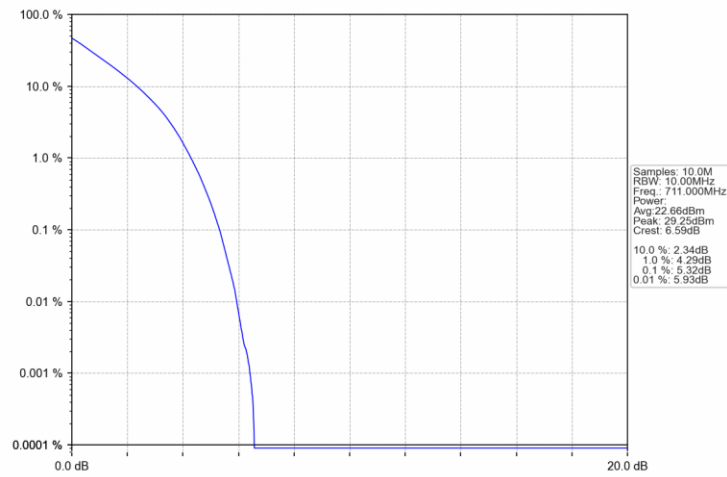
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



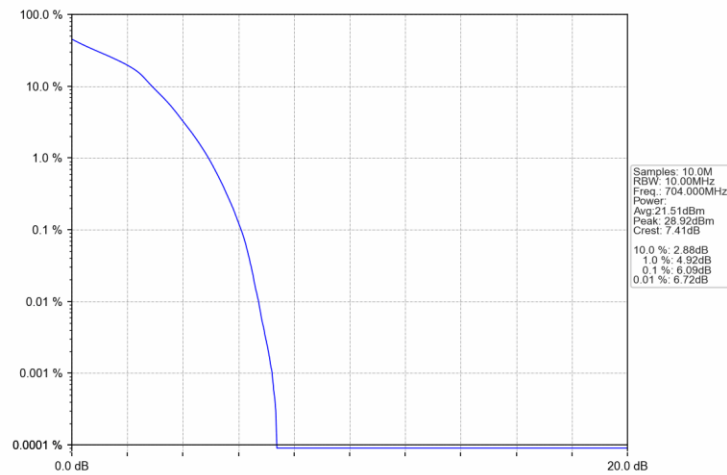
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



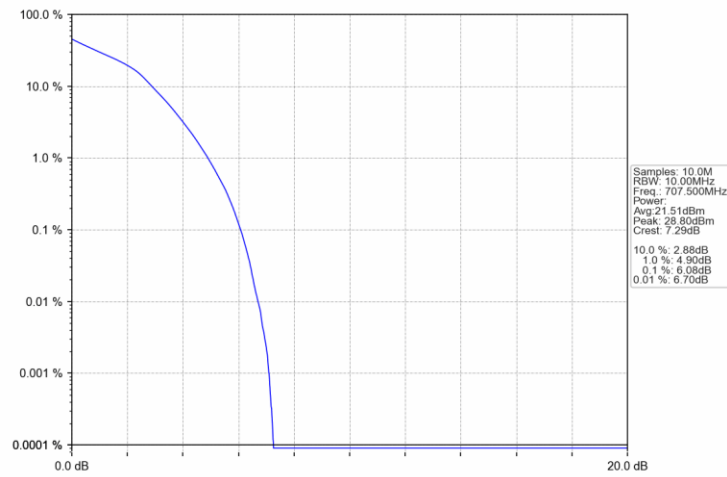
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



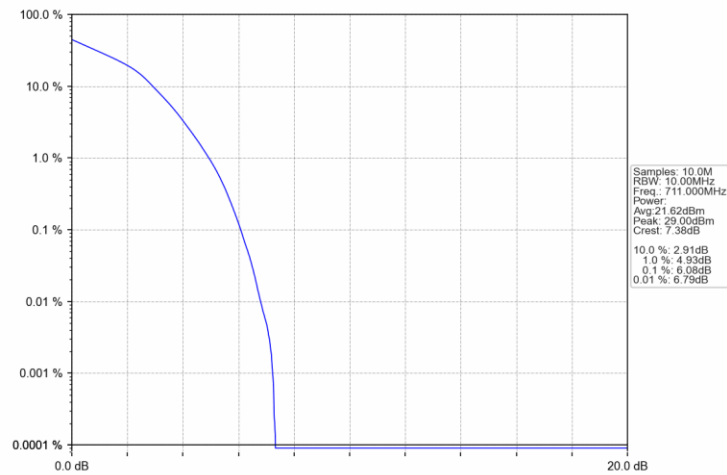
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



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 / NTVN						
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 / NTNV						
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 / NTNV						
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

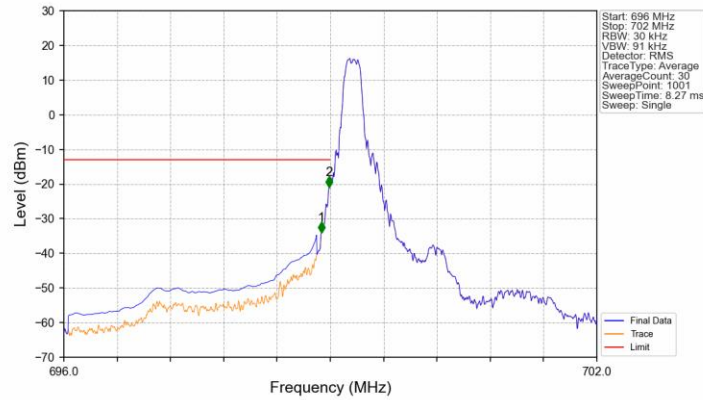
6.1.4 B12_10MHz

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
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
16QAM	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass

6.2 Test Graph

6.2.1 B12_1.4MHz

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.898	-33.98	-13	Pass
698.9	699	0.03	/	2	698.988	-20.97	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

