

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.56	-3.18	18.23	<=34.77	Pass
			13	23.65	-3.18	18.32	<=34.77	Pass
			24	23.55	-3.18	18.22	<=34.77	Pass
		12	0	22.59	-3.18	17.26	<=34.77	Pass
			6	22.74	-3.18	17.41	<=34.77	Pass
			13	22.75	-3.18	17.42	<=34.77	Pass
		25	0	22.69	-3.18	17.36	<=34.77	Pass
	680.5	1	0	23.49	-3.18	18.16	<=34.77	Pass
			13	23.62	-3.18	18.29	<=34.77	Pass
			24	23.57	-3.18	18.24	<=34.77	Pass
		12	0	22.64	-3.18	17.31	<=34.77	Pass
			6	22.68	-3.18	17.35	<=34.77	Pass
			13	22.61	-3.18	17.28	<=34.77	Pass
		25	0	22.67	-3.18	17.34	<=34.77	Pass
	695.5	1	0	23.61	-3.18	18.28	<=34.77	Pass
			13	23.77	-3.18	18.44	<=34.77	Pass
			24	23.66	-3.18	18.33	<=34.77	Pass
		12	0	22.84	-3.18	17.51	<=34.77	Pass
			6	22.82	-3.18	17.49	<=34.77	Pass
			13	22.74	-3.18	17.41	<=34.77	Pass
		25	0	22.82	-3.18	17.49	<=34.77	Pass
16QAM	665.5	1	0	22.69	-3.18	17.36	<=34.77	Pass
			13	22.81	-3.18	17.48	<=34.77	Pass
			24	22.72	-3.18	17.39	<=34.77	Pass
		12	0	21.51	-3.18	16.18	<=34.77	Pass
			6	21.70	-3.18	16.37	<=34.77	Pass
			13	21.73	-3.18	16.40	<=34.77	Pass
		25	0	21.64	-3.18	16.31	<=34.77	Pass
	680.5	1	0	22.48	-3.18	17.15	<=34.77	Pass
			13	22.58	-3.18	17.25	<=34.77	Pass
			24	22.53	-3.18	17.20	<=34.77	Pass
		12	0	21.68	-3.18	16.35	<=34.77	Pass
			6	21.73	-3.18	16.40	<=34.77	Pass
			13	21.65	-3.18	16.32	<=34.77	Pass
		25	0	21.76	-3.18	16.43	<=34.77	Pass
	695.5	1	0	23.09	-3.18	17.76	<=34.77	Pass
			13	23.21	-3.18	17.88	<=34.77	Pass
			24	23.11	-3.18	17.78	<=34.77	Pass
		12	0	21.83	-3.18	16.50	<=34.77	Pass
			6	21.84	-3.18	16.51	<=34.77	Pass
			13	21.74	-3.18	16.41	<=34.77	Pass
		25	0	21.78	-3.18	16.45	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	23.64	-3.18	18.31	<=34.77	Pass
			25	23.71	-3.18	18.38	<=34.77	Pass
			49	23.71	-3.18	18.38	<=34.77	Pass
		25	0	22.52	-3.18	17.19	<=34.77	Pass
			13	22.70	-3.18	17.37	<=34.77	Pass
			25	22.69	-3.18	17.36	<=34.77	Pass
		50	0	22.57	-3.18	17.24	<=34.77	Pass
	680.5	1	0	23.60	-3.18	18.27	<=34.77	Pass
			25	23.76	-3.18	18.43	<=34.77	Pass
			49	23.72	-3.18	18.39	<=34.77	Pass
		25	0	22.71	-3.18	17.38	<=34.77	Pass
			13	22.67	-3.18	17.34	<=34.77	Pass
			25	22.62	-3.18	17.29	<=34.77	Pass
		50	0	22.69	-3.18	17.36	<=34.77	Pass
	693	1	0	23.61	-3.18	18.28	<=34.77	Pass
			25	23.76	-3.18	18.43	<=34.77	Pass
			49	23.71	-3.18	18.38	<=34.77	Pass
		25	0	22.74	-3.18	17.41	<=34.77	Pass
			13	22.82	-3.18	17.49	<=34.77	Pass
			25	22.75	-3.18	17.42	<=34.77	Pass
		50	0	22.78	-3.18	17.45	<=34.77	Pass
16QAM	668	1	0	23.02	-3.18	17.69	<=34.77	Pass
			25	23.09	-3.18	17.76	<=34.77	Pass
			49	23.10	-3.18	17.77	<=34.77	Pass
		25	0	21.55	-3.18	16.22	<=34.77	Pass
			13	21.70	-3.18	16.37	<=34.77	Pass
			25	21.70	-3.18	16.37	<=34.77	Pass
		50	0	21.61	-3.18	16.28	<=34.77	Pass
	680.5	1	0	22.53	-3.18	17.20	<=34.77	Pass
			25	22.61	-3.18	17.28	<=34.77	Pass
			49	22.71	-3.18	17.38	<=34.77	Pass
		25	0	21.77	-3.18	16.44	<=34.77	Pass
			13	21.72	-3.18	16.39	<=34.77	Pass
			25	21.70	-3.18	16.37	<=34.77	Pass
		50	0	21.69	-3.18	16.36	<=34.77	Pass
	693	1	0	22.72	-3.18	17.39	<=34.77	Pass
			25	22.81	-3.18	17.48	<=34.77	Pass
			49	22.82	-3.18	17.49	<=34.77	Pass
		25	0	21.77	-3.18	16.44	<=34.77	Pass
			13	21.87	-3.18	16.54	<=34.77	Pass
			25	21.80	-3.18	16.47	<=34.77	Pass
		50	0	21.72	-3.18	16.39	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

Band: 71 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	670.5	1	0	23.48	-3.18	18.15	<=34.77	Pass		
			38	23.59	-3.18	18.26	<=34.77	Pass		
			74	23.48	-3.18	18.15	<=34.77	Pass		
		36	0	22.53	-3.18	17.20	<=34.77	Pass		
			18	22.70	-3.18	17.37	<=34.77	Pass		
			39	22.72	-3.18	17.39	<=34.77	Pass		
		75	0	22.66	-3.18	17.33	<=34.77	Pass		
		680.5	1	0	23.49	-3.18	18.16	<=34.77	Pass	
				38	23.65	-3.18	18.32	<=34.77	Pass	
	74			23.63	-3.18	18.30	<=34.77	Pass		
	36		0	22.66	-3.18	17.33	<=34.77	Pass		
			18	22.75	-3.18	17.42	<=34.77	Pass		
			39	22.70	-3.18	17.37	<=34.77	Pass		
	75	0	22.72	-3.18	17.39	<=34.77	Pass			
	690.5	1	0	23.57	-3.18	18.24	<=34.77	Pass		
			38	23.76	-3.18	18.43	<=34.77	Pass		
			74	23.75	-3.18	18.42	<=34.77	Pass		
		36	0	22.67	-3.18	17.34	<=34.77	Pass		
			18	22.78	-3.18	17.45	<=34.77	Pass		
			39	22.81	-3.18	17.48	<=34.77	Pass		
		75	0	22.79	-3.18	17.46	<=34.77	Pass		
		16QAM	670.5	1	0	22.56	-3.18	17.23	<=34.77	Pass
					38	22.68	-3.18	17.35	<=34.77	Pass
	74				22.54	-3.18	17.21	<=34.77	Pass	
36	0			21.46	-3.18	16.13	<=34.77	Pass		
	18			21.66	-3.18	16.33	<=34.77	Pass		
	39			21.68	-3.18	16.35	<=34.77	Pass		
75	0			21.64	-3.18	16.31	<=34.77	Pass		
680.5	1			0	22.48	-3.18	17.15	<=34.77	Pass	
				38	22.53	-3.18	17.20	<=34.77	Pass	
			74	22.65	-3.18	17.32	<=34.77	Pass		
	36		0	21.62	-3.18	16.29	<=34.77	Pass		
			18	21.66	-3.18	16.33	<=34.77	Pass		
			39	21.66	-3.18	16.33	<=34.77	Pass		
75	0		21.71	-3.18	16.38	<=34.77	Pass			
690.5	1		0	22.50	-3.18	17.17	<=34.77	Pass		
			38	22.73	-3.18	17.40	<=34.77	Pass		
			74	22.71	-3.18	17.38	<=34.77	Pass		
	36		0	21.63	-3.18	16.30	<=34.77	Pass		
			18	21.74	-3.18	16.41	<=34.77	Pass		
			39	21.75	-3.18	16.42	<=34.77	Pass		
	75		0	21.71	-3.18	16.38	<=34.77	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	23.37	-3.18	18.04	<=34.77	Pass
			50	23.68	-3.18	18.35	<=34.77	Pass
			99	23.47	-3.18	18.14	<=34.77	Pass
		50	0	22.49	-3.18	17.16	<=34.77	Pass
			25	22.65	-3.18	17.32	<=34.77	Pass
			50	22.60	-3.18	17.27	<=34.77	Pass
		100	0	22.56	-3.18	17.23	<=34.77	Pass
	683	1	0	23.30	-3.18	17.97	<=34.77	Pass
			50	23.64	-3.18	18.31	<=34.77	Pass
			99	23.49	-3.18	18.16	<=34.77	Pass
		50	0	22.67	-3.18	17.34	<=34.77	Pass
			25	22.71	-3.18	17.38	<=34.77	Pass
			50	22.85	-3.18	17.52	<=34.77	Pass
		100	0	22.77	-3.18	17.44	<=34.77	Pass
	688	1	0	23.30	-3.18	17.97	<=34.77	Pass
			50	23.75	-3.18	18.42	<=34.77	Pass
			99	23.56	-3.18	18.23	<=34.77	Pass
		50	0	22.76	-3.18	17.43	<=34.77	Pass
			25	22.78	-3.18	17.45	<=34.77	Pass
			50	22.74	-3.18	17.41	<=34.77	Pass
		100	0	22.70	-3.18	17.37	<=34.77	Pass
16QAM	673	1	0	22.29	-3.18	16.96	<=34.77	Pass
			50	22.60	-3.18	17.27	<=34.77	Pass
			99	22.36	-3.18	17.03	<=34.77	Pass
		50	0	21.52	-3.18	16.19	<=34.77	Pass
			25	21.66	-3.18	16.33	<=34.77	Pass
			50	21.62	-3.18	16.29	<=34.77	Pass
		100	0	21.61	-3.18	16.28	<=34.77	Pass
	683	1	0	22.75	-3.18	17.42	<=34.77	Pass
			50	23.07	-3.18	17.74	<=34.77	Pass
			99	23.03	-3.18	17.70	<=34.77	Pass
		50	0	21.68	-3.18	16.35	<=34.77	Pass
			25	21.74	-3.18	16.41	<=34.77	Pass
			50	21.88	-3.18	16.55	<=34.77	Pass
		100	0	21.76	-3.18	16.43	<=34.77	Pass
	688	1	0	22.34	-3.18	17.01	<=34.77	Pass
			50	22.84	-3.18	17.51	<=34.77	Pass
			99	22.64	-3.18	17.31	<=34.77	Pass
		50	0	21.77	-3.18	16.44	<=34.77	Pass
			25	21.77	-3.18	16.44	<=34.77	Pass
			50	21.76	-3.18	16.43	<=34.77	Pass
		100	0	21.76	-3.18	16.43	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	665.5	25	0	20	3.27	-9.842	-0.0148	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0074	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-6.223	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-3.405	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-7.739	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-7.224	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-16.594	-0.0249	-2.5 to 2.5	Pass
				50	3.85	-9.184	-0.0138	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.393	-0.0079	-2.5 to 2.5	Pass
					3.85	-5.879	-0.0086	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-7.839	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-3.977	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.478	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-4.292	-0.0063	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-5.279	-0.0076	-2.5 to 2.5	Pass
					3.85	-10.085	-0.0145	-2.5 to 2.5	Pass
					4.43	-3.705	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-8.340	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-8.469	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-8.826	-0.0127	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-8.612	-0.0129	-2.5 to 2.5	Pass
					3.85	-9.055	-0.0136	-2.5 to 2.5	Pass
					4.43	-4.134	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-7.324	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-9.255	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-7.668	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-8.211	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-8.469	-0.0127	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-13.146	-0.0198	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-7.553	-0.0111	-2.5 to 2.5	Pass
					3.85	-12.045	-0.0177	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-10.958	-0.0161	-2.5 to 2.5	Pass
				-10	3.85	-12.002	-0.0176	-2.5 to 2.5	Pass

				0	3.85	-5.636	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-4.292	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-9.513	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-7.725	-0.0114	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-5.479	-0.0079	-2.5 to 2.5	Pass
					3.85	-3.662	-0.0053	-2.5 to 2.5	Pass
					4.43	-6.909	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-10.085	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-9.441	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-3.033	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-8.125	-0.0117	-2.5 to 2.5	Pass
				40	3.85	1.888	0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0078	-2.5 to 2.5	Pass

2.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-5.422	-0.0081	-2.5 to 2.5	Pass
					3.85	-3.290	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-4.363	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.967	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0041	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.760	-0.0026	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0085	-2.5 to 2.5	Pass
					4.43	-8.898	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-3.047	-0.0045	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-10.829	-0.0156	-2.5 to 2.5	Pass
					3.85	-8.068	-0.0116	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-8.755	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-7.968	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-7.653	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-13.175	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-12.088	-0.0174	-2.5 to 2.5	Pass
				40	3.85	-10.371	-0.0150	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-1.130	-0.0017	-2.5 to 2.5	Pass
					3.85	-2.360	-0.0035	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0054	-2.5 to 2.5	Pass

				-30	3.85	-7.782	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-8.440	-0.0126	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0102	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-4.034	-0.0059	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0074	-2.5 to 2.5	Pass
					4.43	-4.449	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.310	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-3.376	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-5.736	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-5.908	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-3.190	-0.0047	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0008	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-9.727	-0.0140	-2.5 to 2.5	Pass
					3.85	-11.344	-0.0164	-2.5 to 2.5	Pass
					4.43	-8.698	-0.0126	-2.5 to 2.5	Pass
				-30	3.85	-3.719	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-6.280	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-2.489	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-6.108	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-11.601	-0.0167	-2.5 to 2.5	Pass

2.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.27	-6.208	-0.0093	-2.5 to 2.5	Pass
					3.85	-9.456	-0.0141	-2.5 to 2.5	Pass
					4.43	-6.022	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-6.266	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-10.414	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-8.254	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-5.250	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-7.911	-0.0118	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-3.834	-0.0056	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0053	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-6.080	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-7.854	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.322	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.766	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-7.367	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0069	-2.5 to 2.5	Pass

	690.5	75	0	20	3.27	-5.236	-0.0076	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
					4.43	-8.283	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-8.054	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-7.353	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-9.384	-0.0136	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0088	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-4.363	-0.0065	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0078	-2.5 to 2.5	Pass
					4.43	-3.347	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-5.851	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-8.454	-0.0126	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-5.565	-0.0082	-2.5 to 2.5	Pass
					3.85	-6.638	-0.0098	-2.5 to 2.5	Pass
					4.43	-8.140	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-6.695	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-6.595	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-8.183	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-2.346	-0.0034	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-4.964	-0.0072	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0086	-2.5 to 2.5	Pass
					4.43	-7.567	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-9.298	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-7.610	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-5.851	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-9.670	-0.0140	-2.5 to 2.5	Pass
				50	3.85	-8.340	-0.0121	-2.5 to 2.5	Pass

2.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	-7.138	-0.0106	-2.5 to 2.5	Pass
					3.85	-3.891	-0.0058	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-5.708	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-6.351	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-2.031	-0.0030	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0038	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-7.038	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-6.909	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-2.246	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-4.864	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-5.822	-0.0085	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-8.068	-0.0117	-2.5 to 2.5	Pass
					3.85	-4.606	-0.0067	-2.5 to 2.5	Pass
					4.43	-6.809	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-9.313	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-8.440	-0.0123	-2.5 to 2.5	Pass
				-10	3.85	-6.995	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-9.799	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-9.284	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-6.065	-0.0088	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-8.526	-0.0127	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0073	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-6.194	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-7.195	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-6.008	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-7.238	-0.0108	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-4.807	-0.0070	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-5.608	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-4.420	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-0.515	-0.0008	-2.5 to 2.5	Pass

	688	100	0	20	3.27	-9.170	-0.0133	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0091	-2.5 to 2.5	Pass
					4.43	-7.424	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-8.225	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-8.926	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-5.050	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-7.753	-0.0113	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	25	0	Refer To Test Graph		Pass
16QAM	680.5	25	0	Refer To Test Graph		Pass

3.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	50	0	Refer To Test Graph		Pass
16QAM	680.5	50	0	Refer To Test Graph		Pass

3.1.3 B71_15MHz

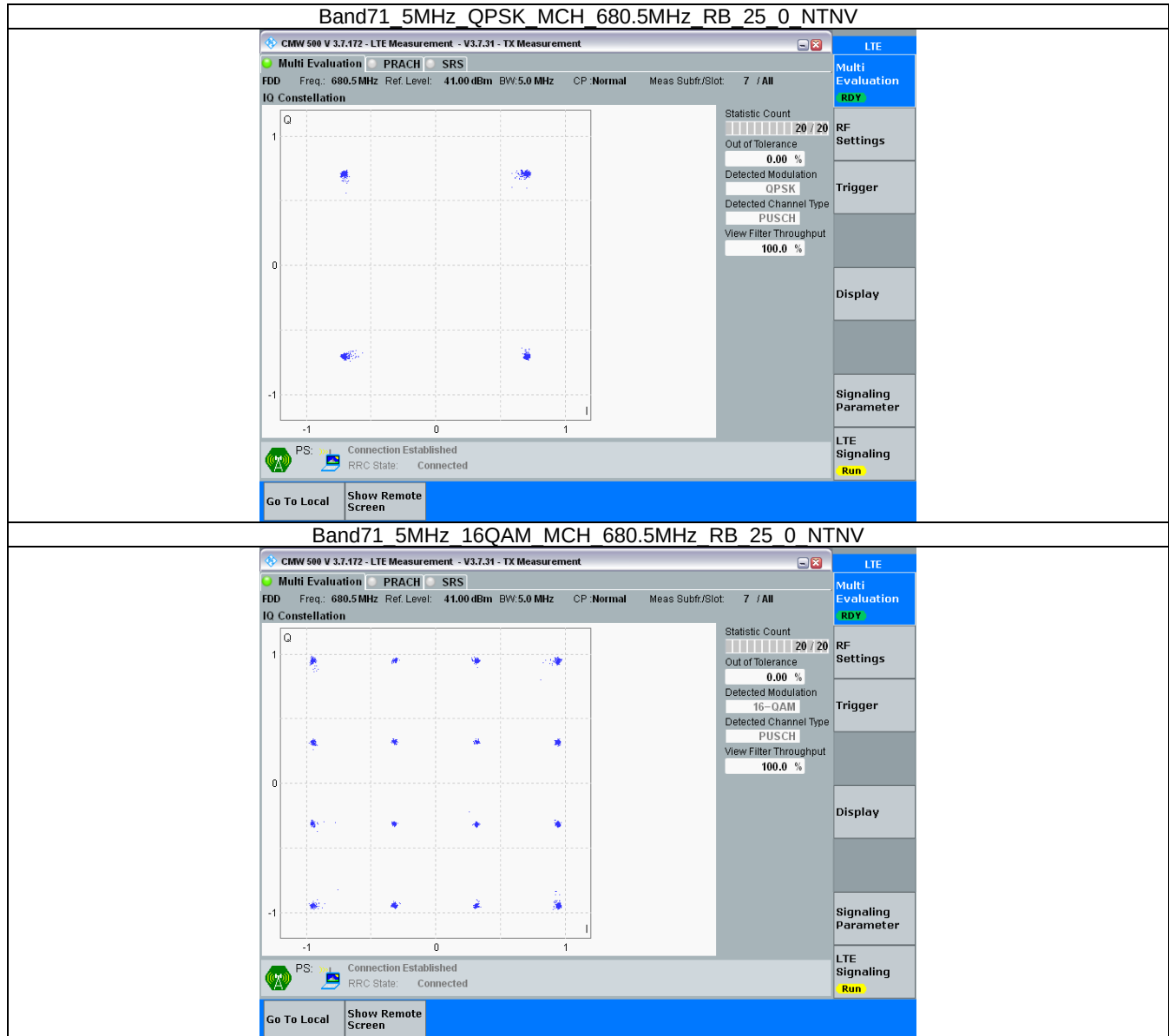
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

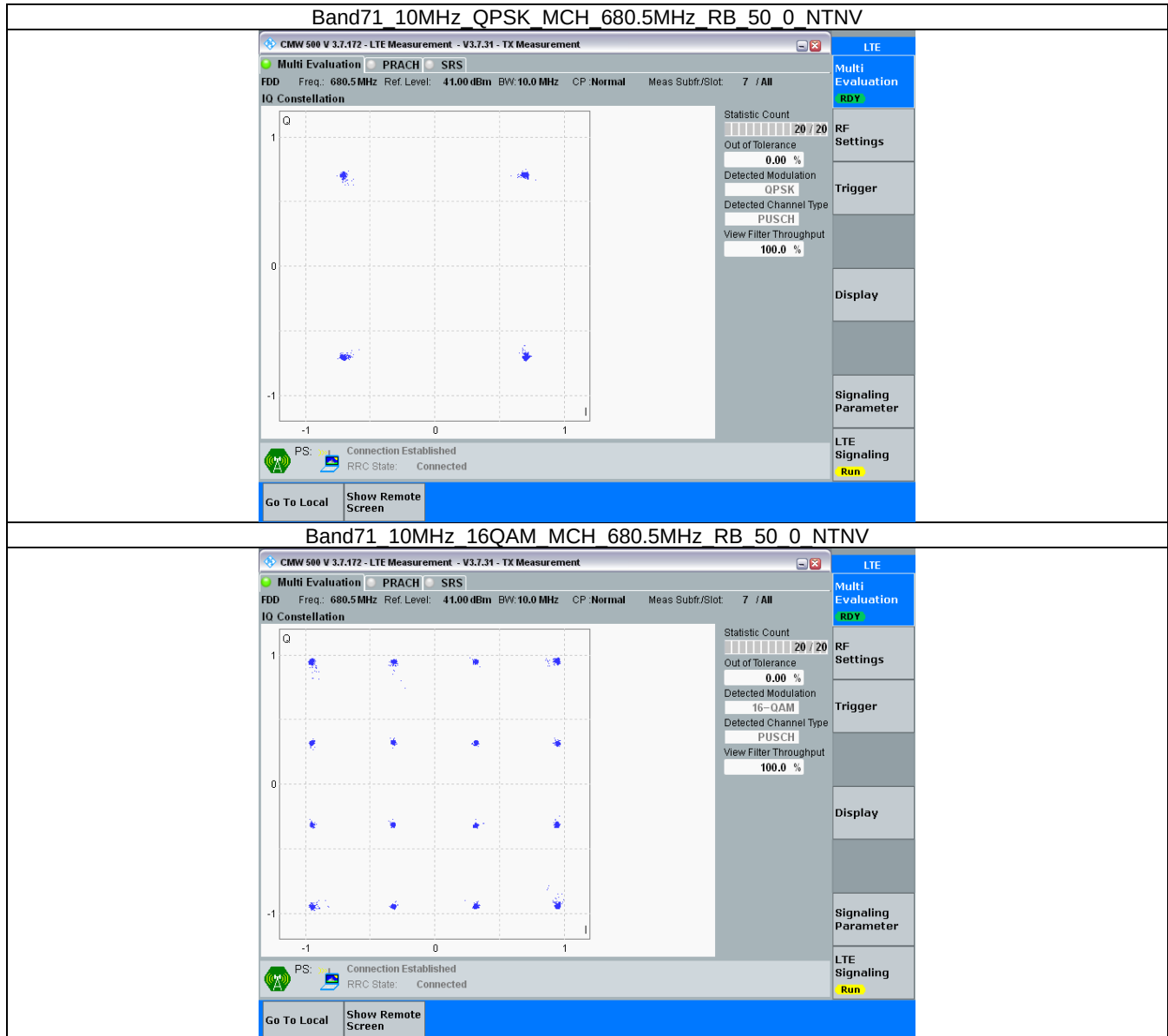
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

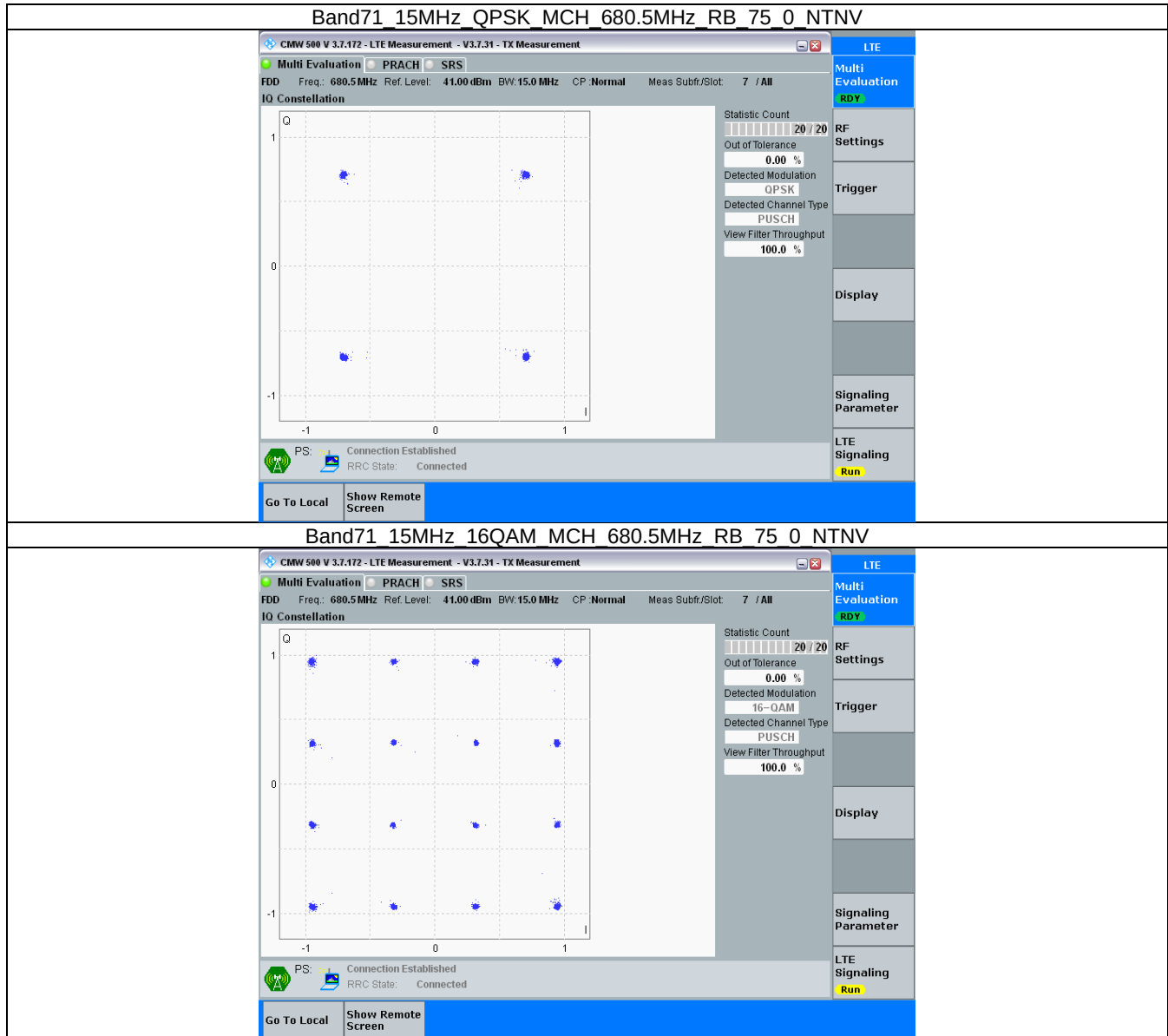
3.2.1 B71_5MHz



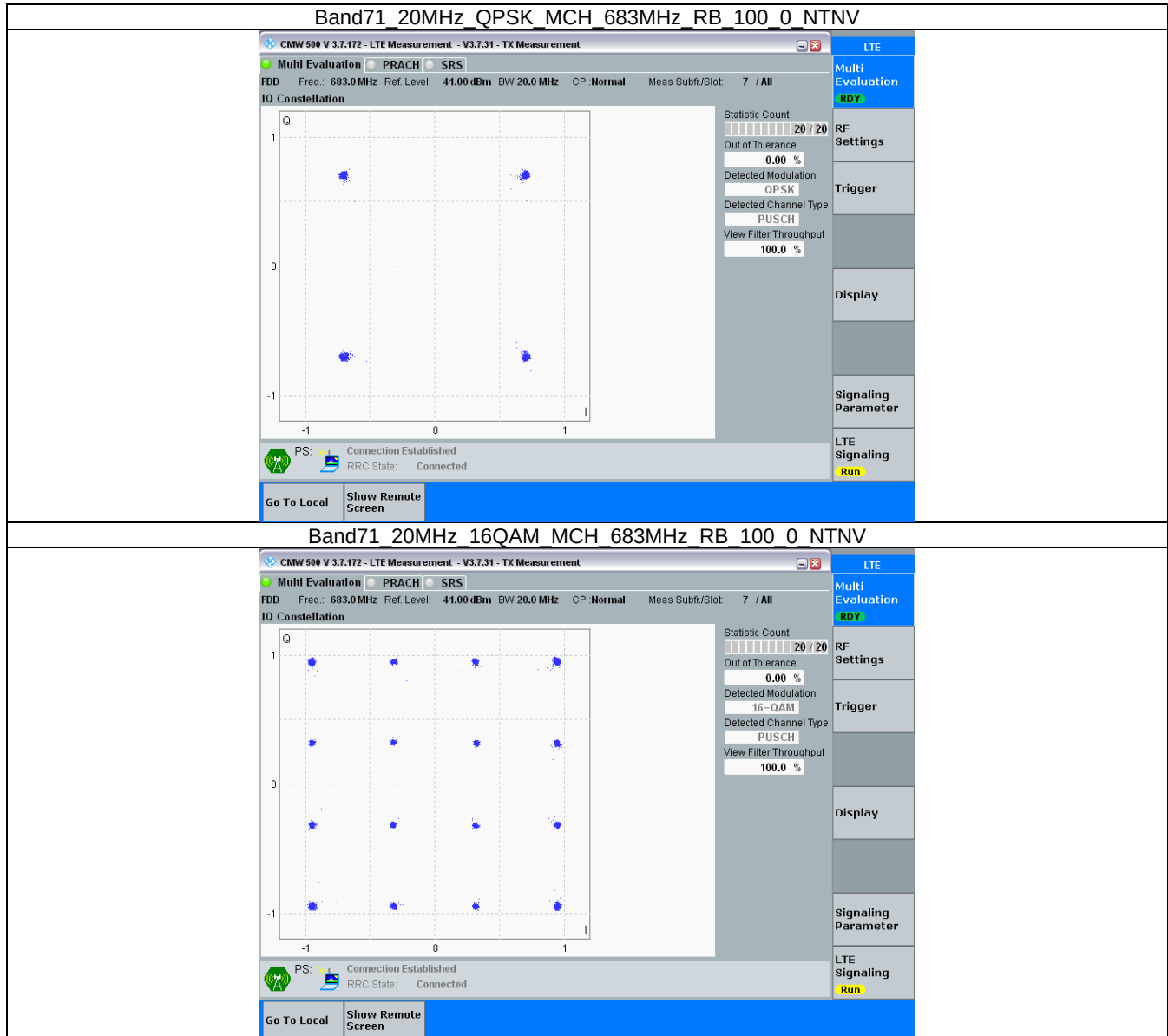
3.2.2 B71_10MHz



3.2.3 B71_15MHz



3.2.4 B71_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band71_OBW

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.568	/	Pass
		680.5	25	0	4.564	/	Pass
		695.5	25	0	4.578	/	Pass
	16QAM	665.5	25	0	4.593	/	Pass
		680.5	25	0	4.583	/	Pass
		695.5	25	0	4.560	/	Pass
10	QPSK	668	50	0	9.074	/	Pass
		680.5	50	0	9.069	/	Pass
		693	50	0	9.069	/	Pass
	16QAM	668	50	0	9.071	/	Pass
		680.5	50	0	9.092	/	Pass
		693	50	0	9.073	/	Pass
15	QPSK	670.5	75	0	13.556	/	Pass
		680.5	75	0	13.614	/	Pass
		690.5	75	0	13.612	/	Pass
	16QAM	670.5	75	0	13.583	/	Pass
		680.5	75	0	13.630	/	Pass
		690.5	75	0	13.614	/	Pass
20	QPSK	673	100	0	18.060	/	Pass
		683	100	0	18.157	/	Pass
		688	100	0	18.169	/	Pass
	16QAM	673	100	0	18.120	/	Pass
		683	100	0	18.115	/	Pass
		688	100	0	18.142	/	Pass

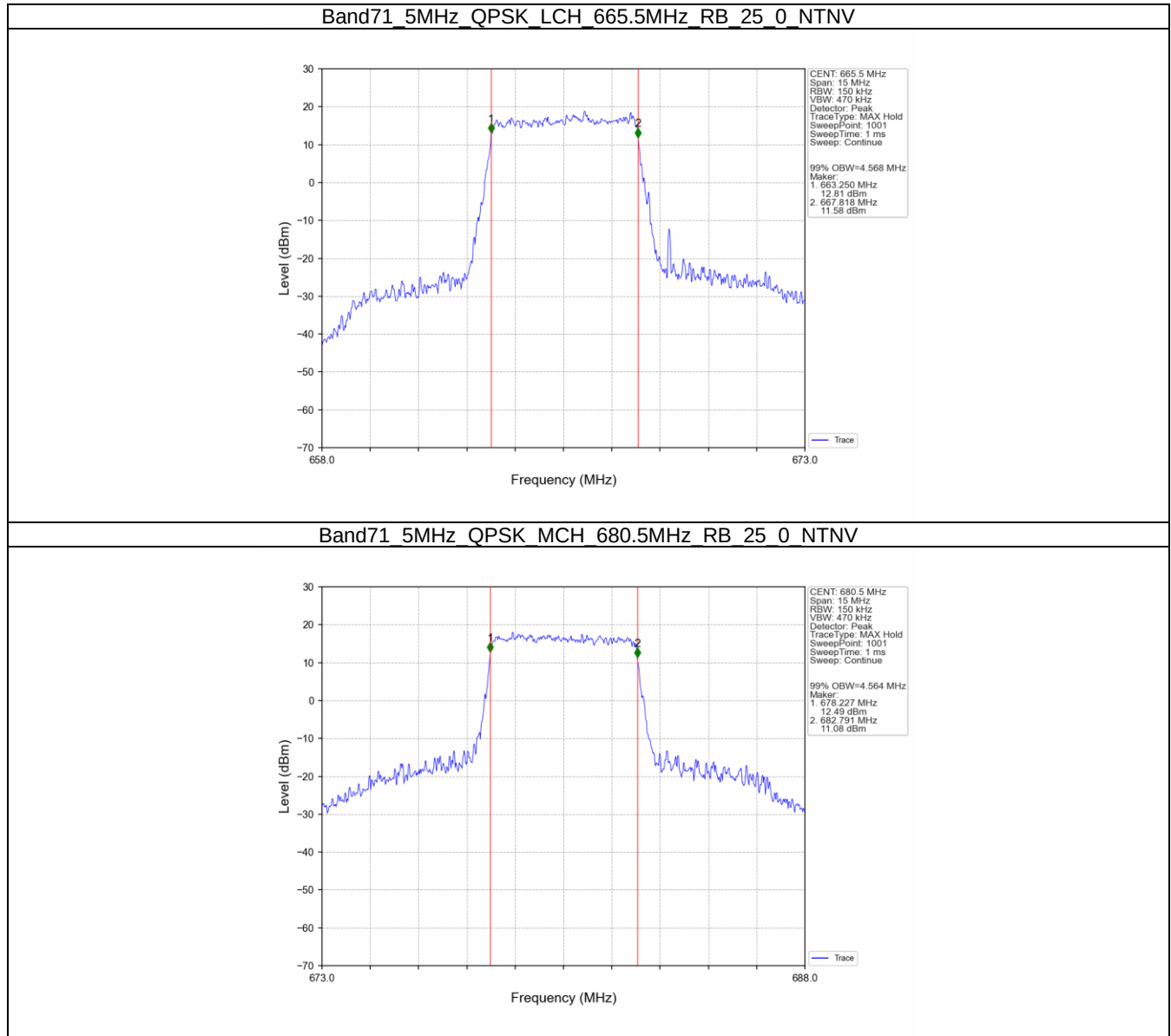
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.262	/	Pass
		680.5	25	0	5.162	/	Pass
		695.5	25	0	5.243	/	Pass
	16QAM	665.5	25	0	5.332	/	Pass
		680.5	25	0	5.288	/	Pass
		695.5	25	0	5.256	/	Pass
10	QPSK	668	50	0	10.190	/	Pass
		680.5	50	0	10.307	/	Pass
		693	50	0	10.259	/	Pass
	16QAM	668	50	0	10.284	/	Pass
		680.5	50	0	10.219	/	Pass
		693	50	0	10.138	/	Pass
15	QPSK	670.5	75	0	15.327	/	Pass
		680.5	75	0	15.197	/	Pass
		690.5	75	0	15.236	/	Pass

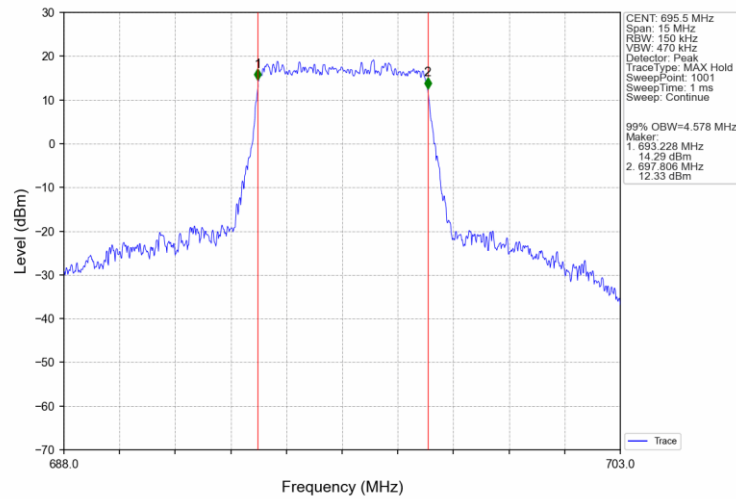
20	16QAM	670.5	75	0	15.253	/	Pass
		680.5	75	0	15.248	/	Pass
		690.5	75	0	15.202	/	Pass
	QPSK	673	100	0	19.982	/	Pass
		683	100	0	20.388	/	Pass
		688	100	0	20.337	/	Pass
	16QAM	673	100	0	20.057	/	Pass
		683	100	0	20.167	/	Pass
		688	100	0	20.067	/	Pass

4.2 Test Graph

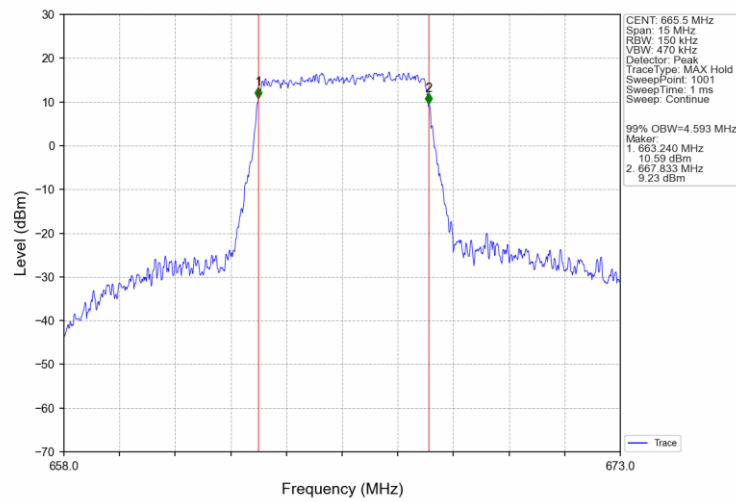
4.2.1 Band71_OBW



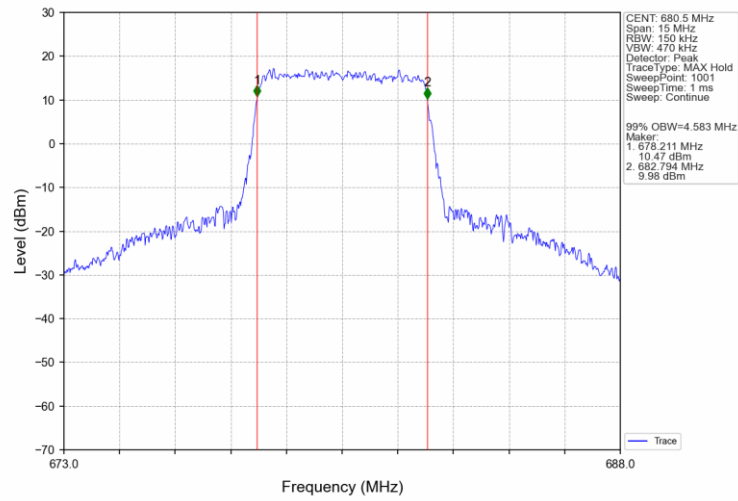
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



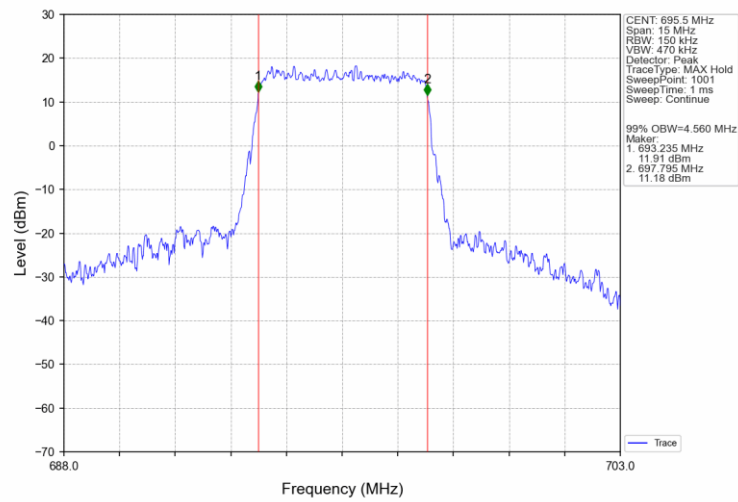
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



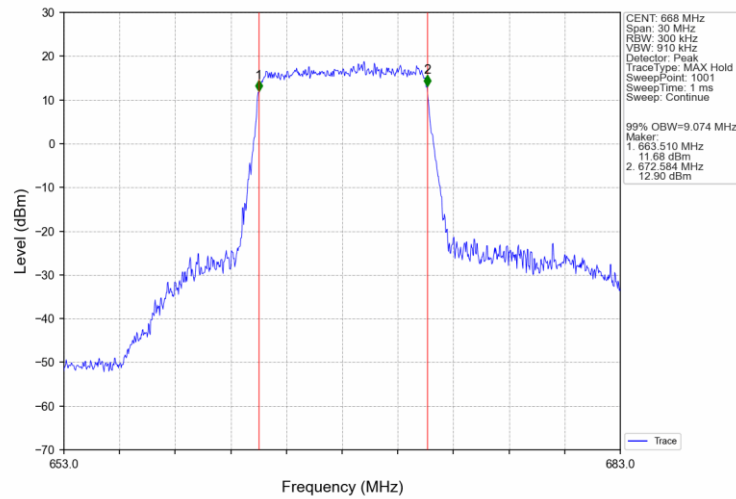
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



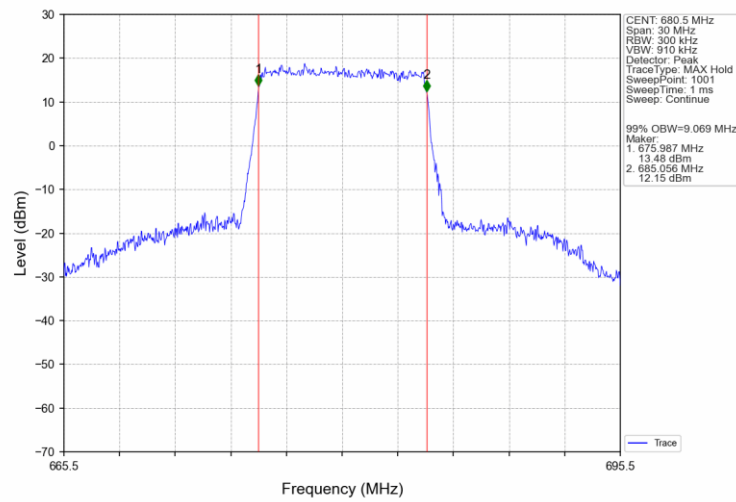
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



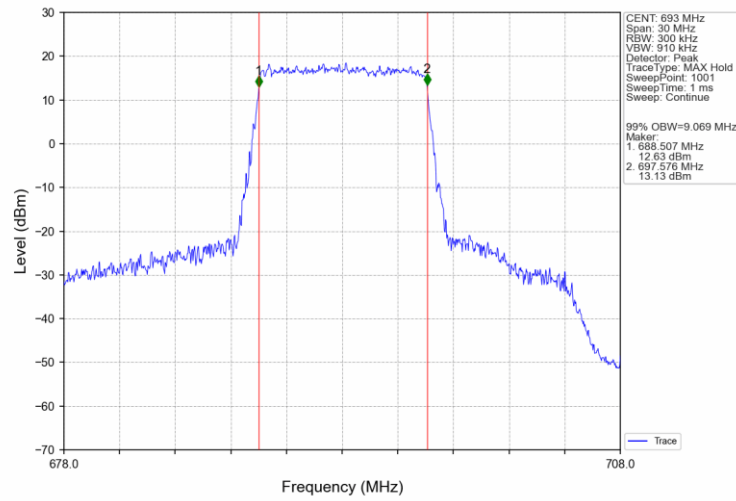
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



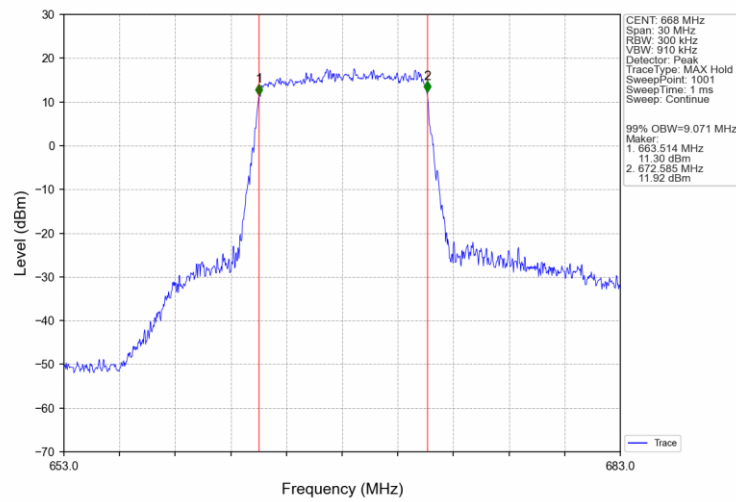
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



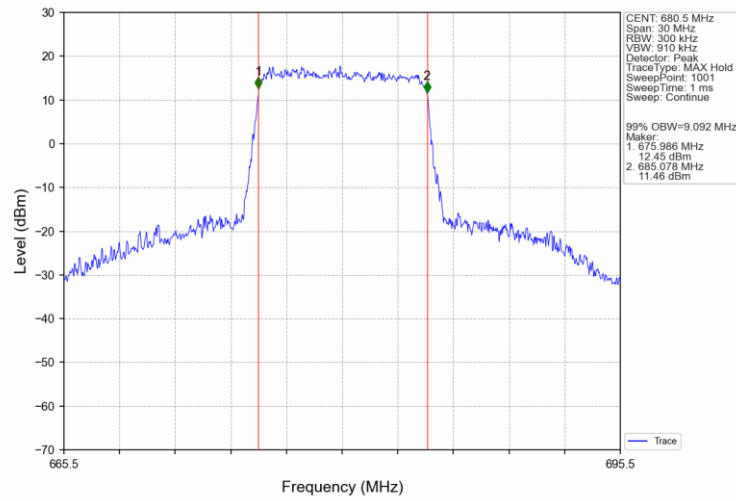
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



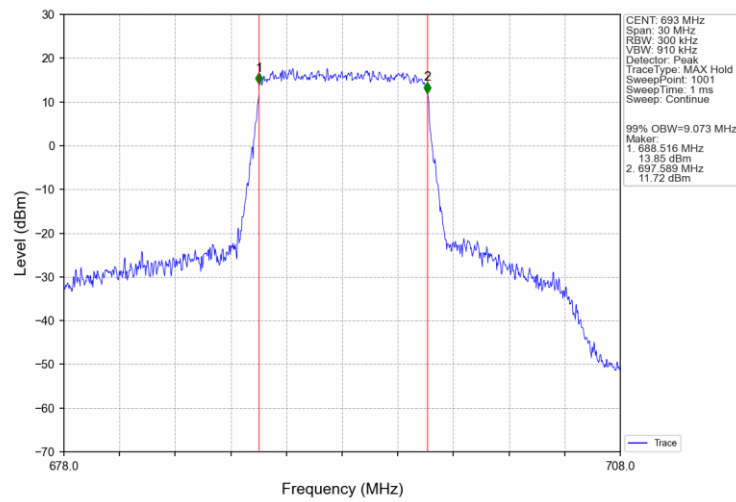
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



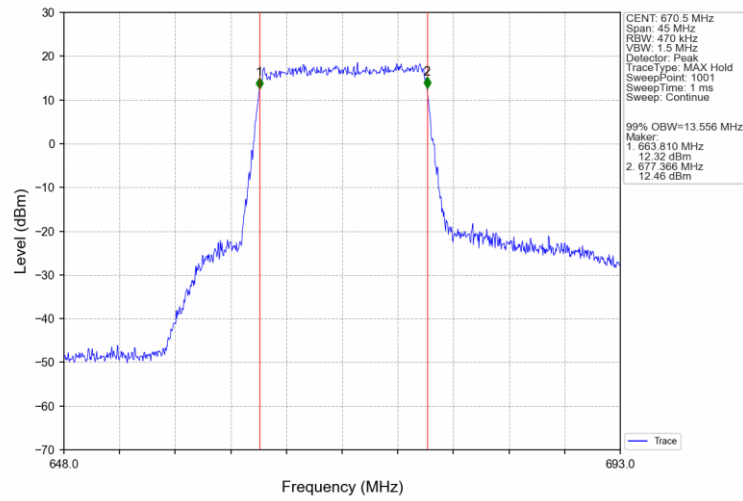
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



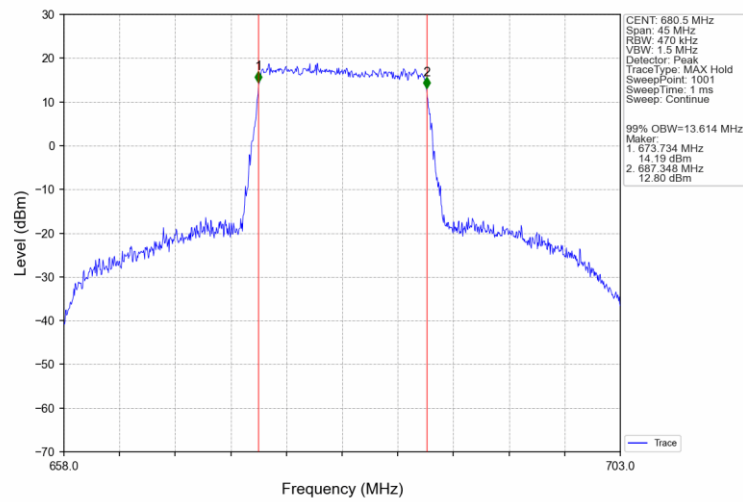
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



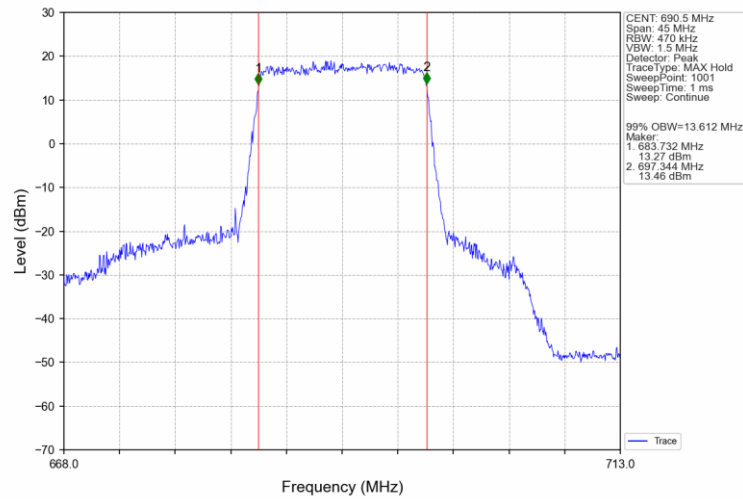
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



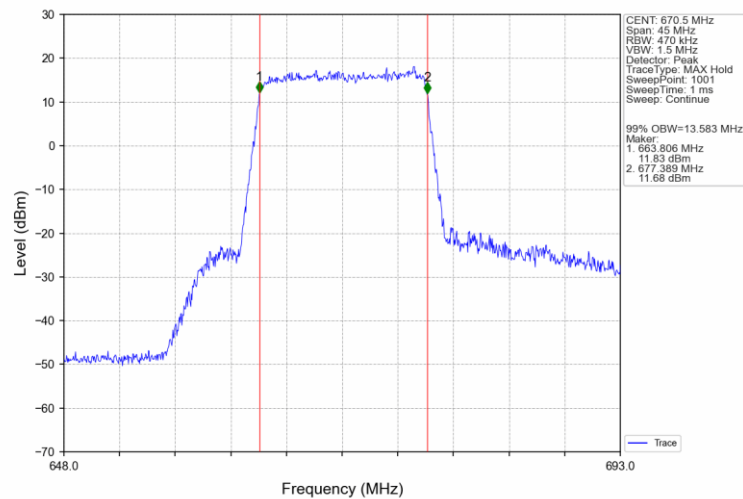
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



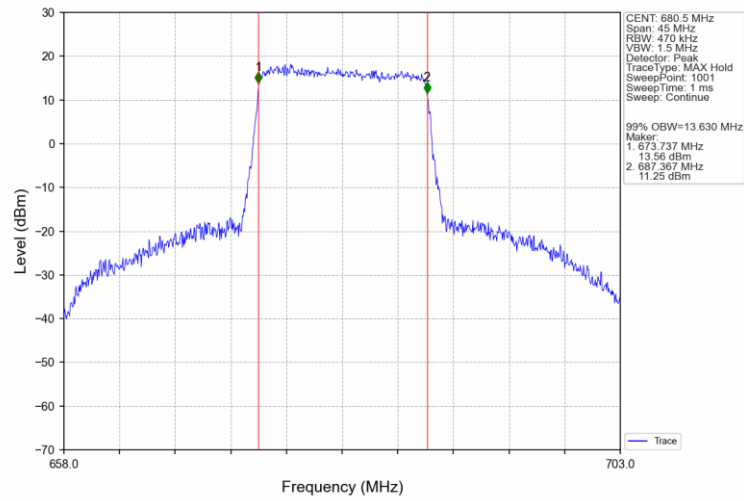
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



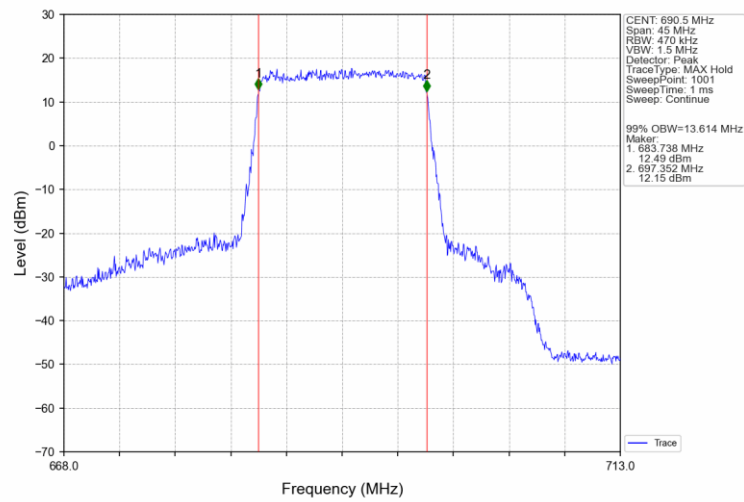
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



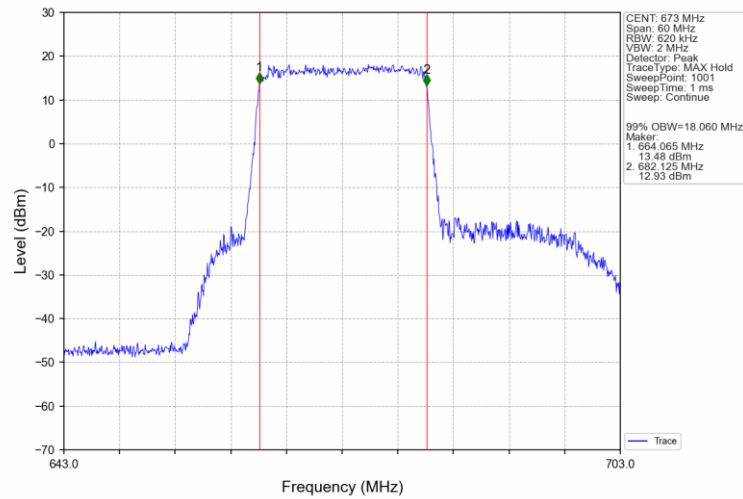
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



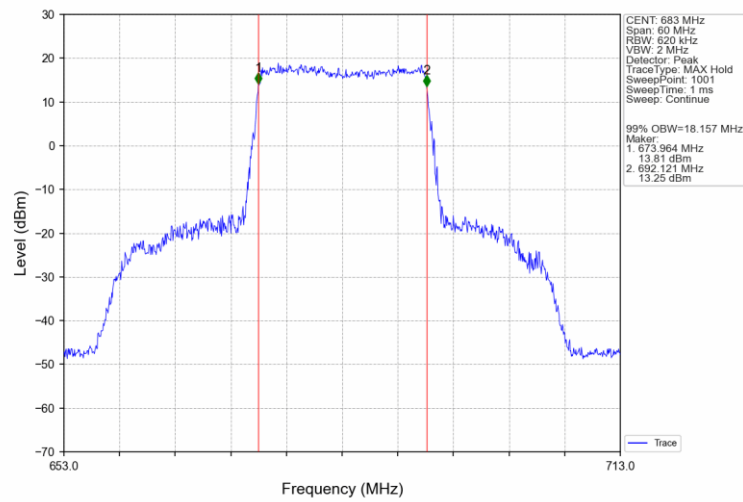
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



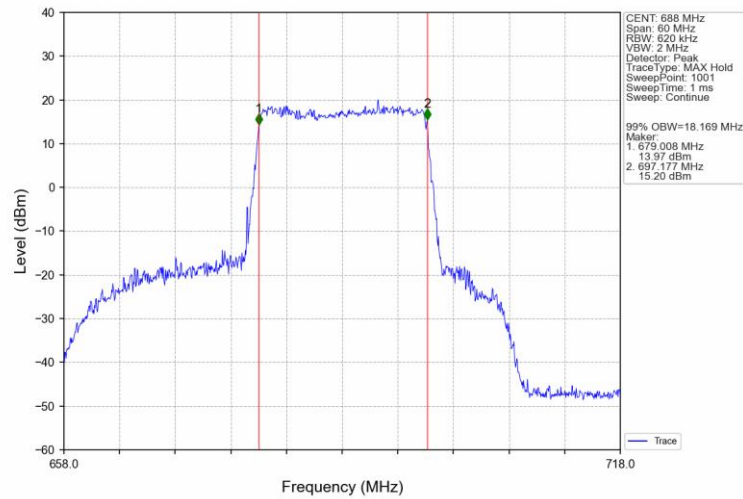
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



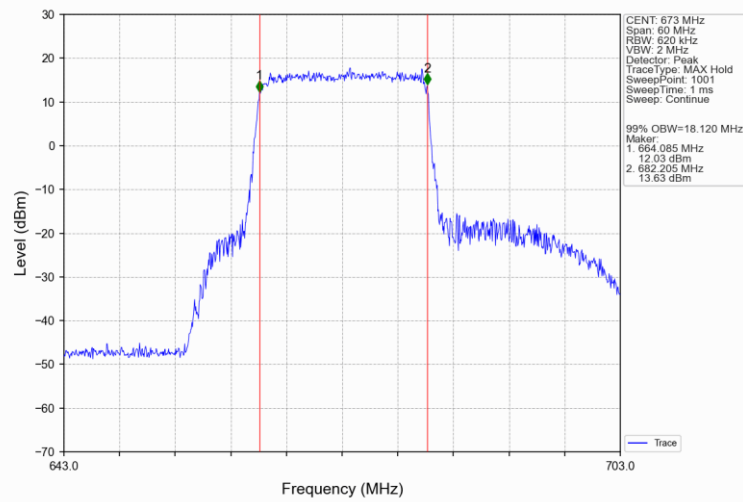
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



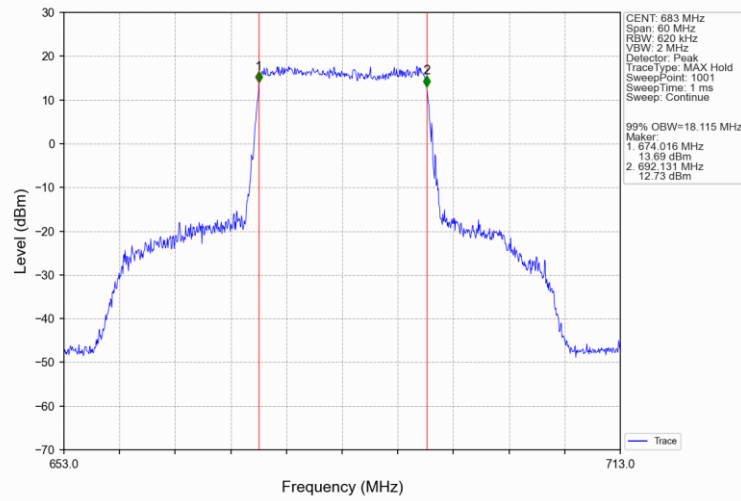
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



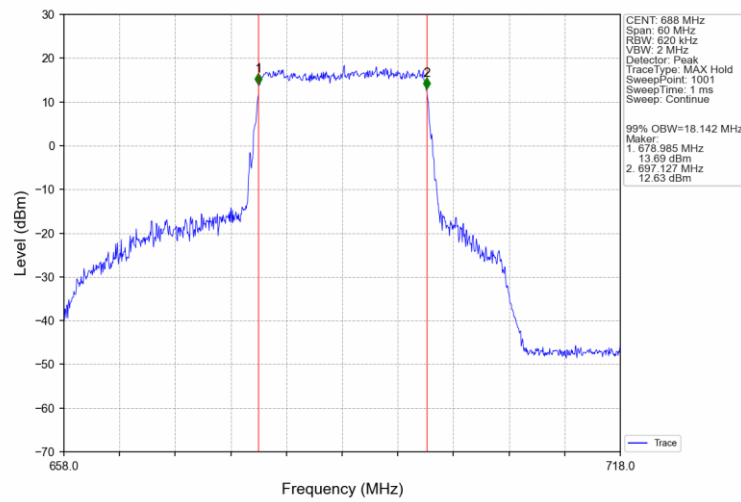
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

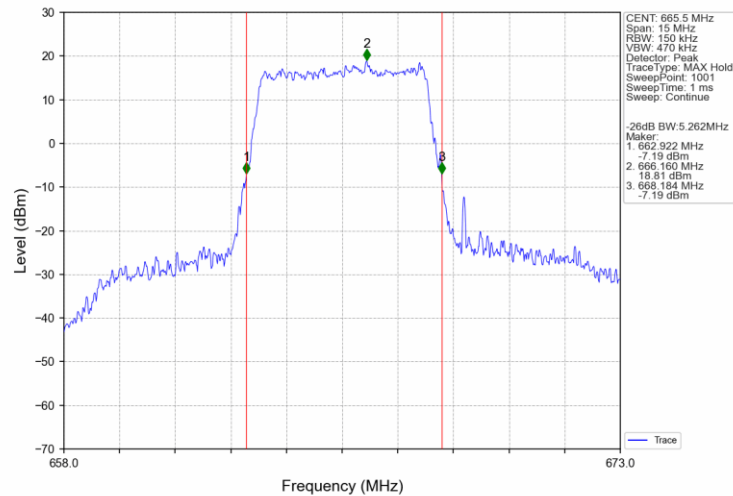


Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

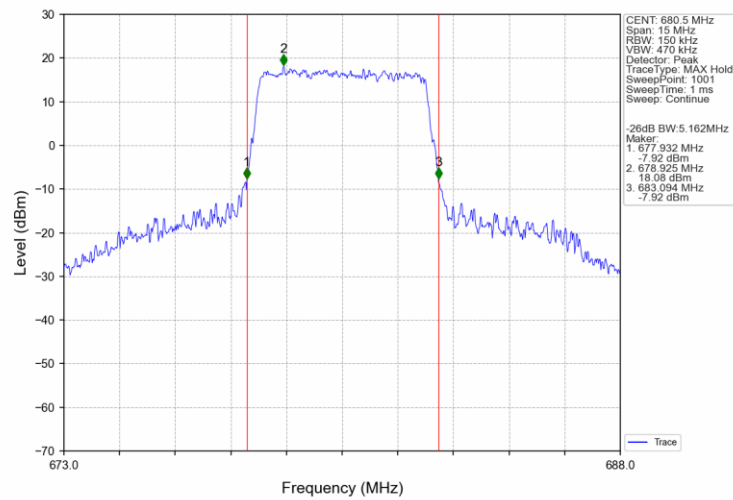


4.2.2 Band71_XDB

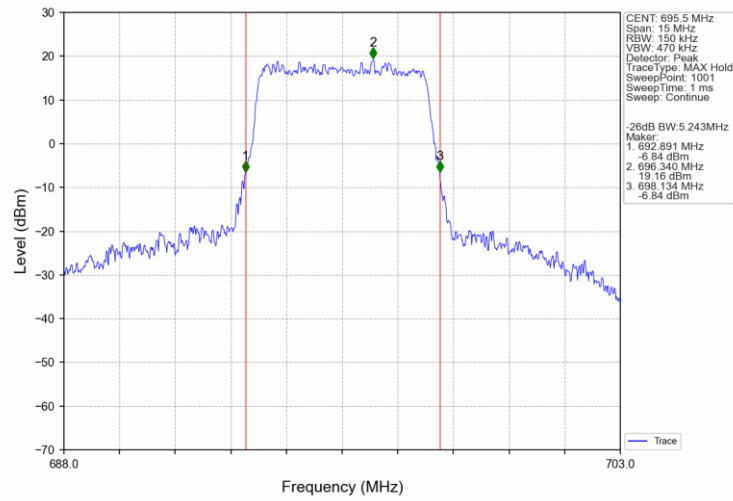
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



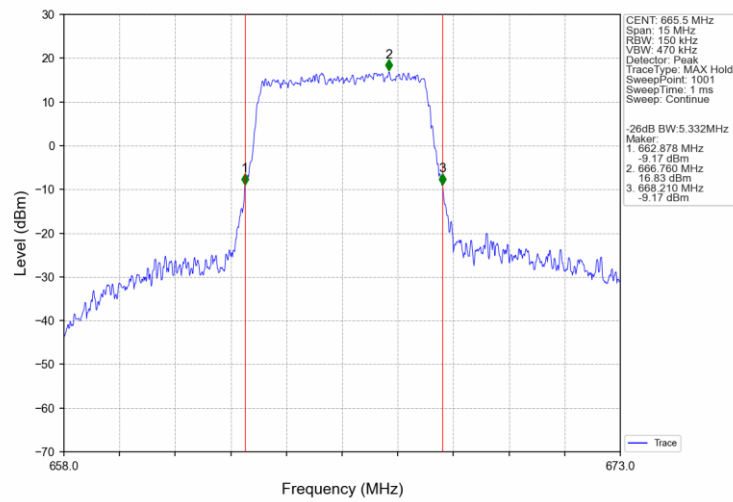
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



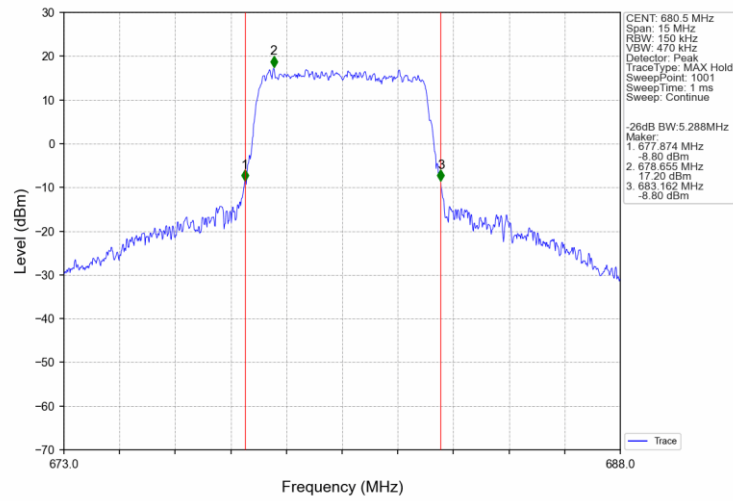
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



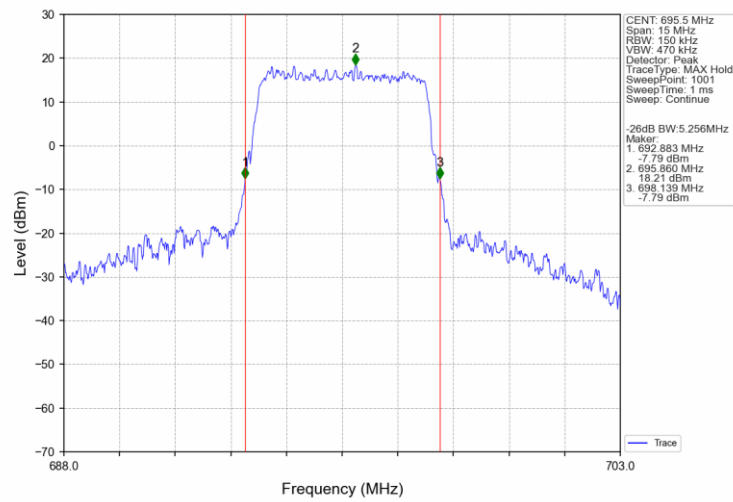
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



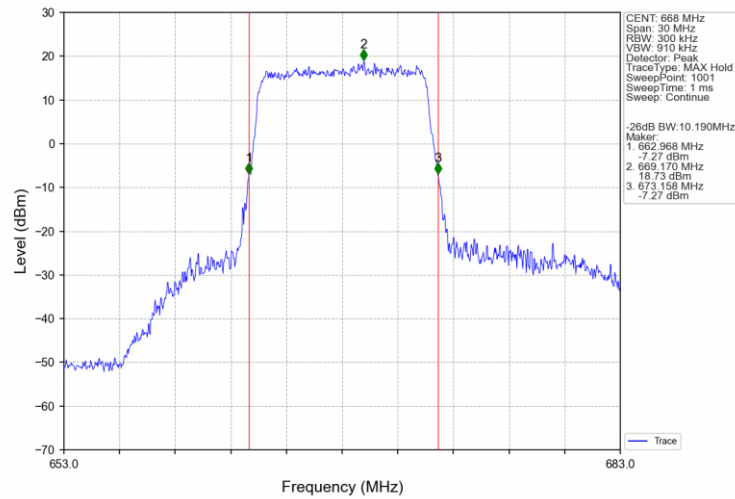
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



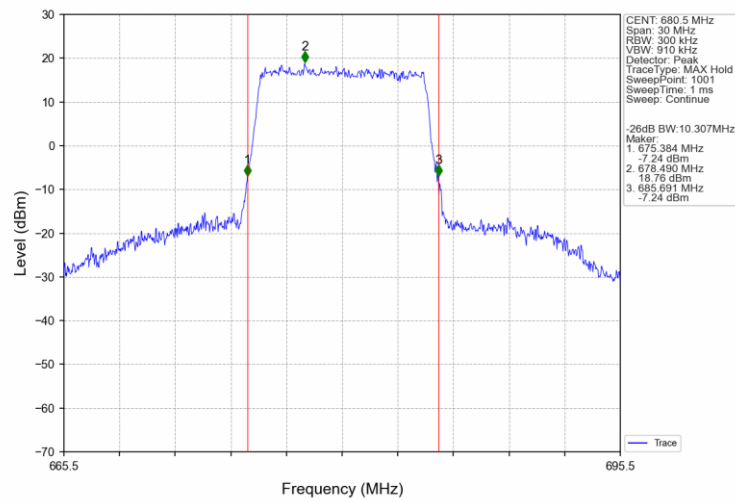
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



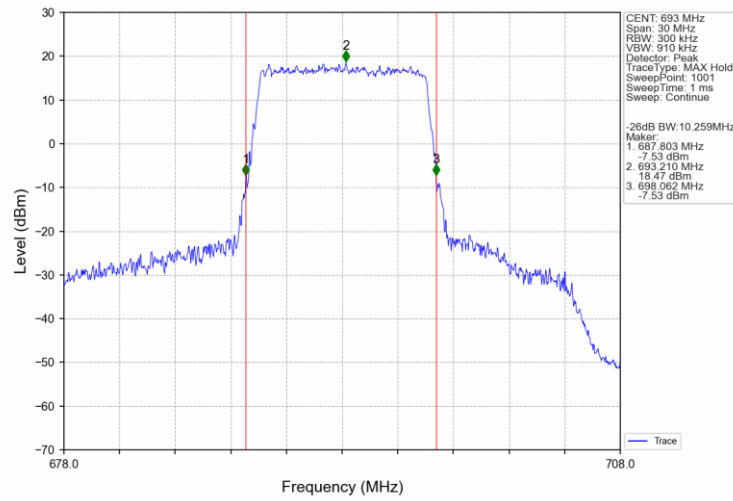
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



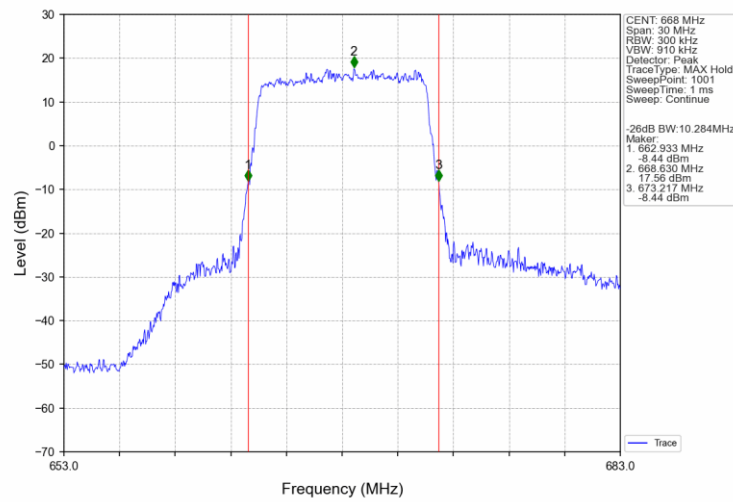
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



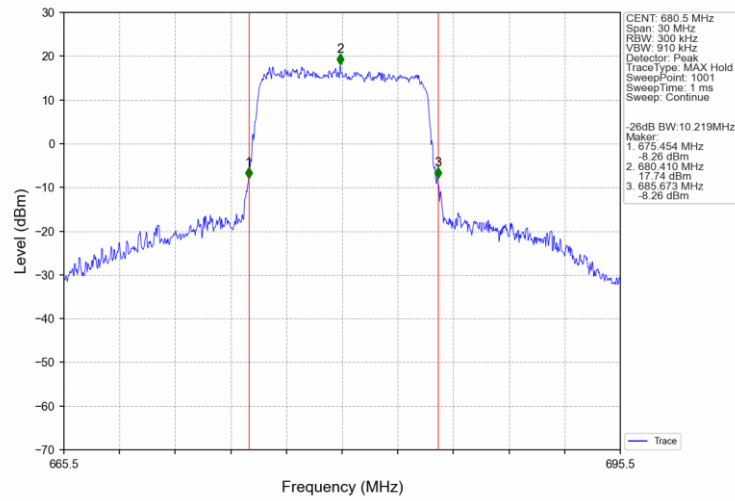
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



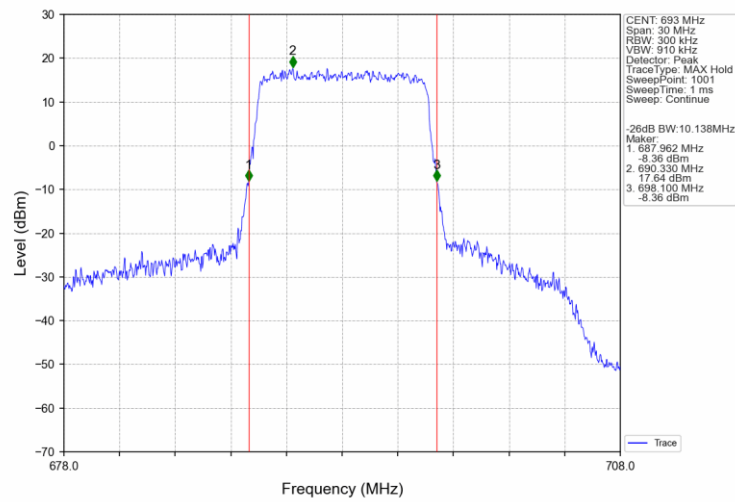
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



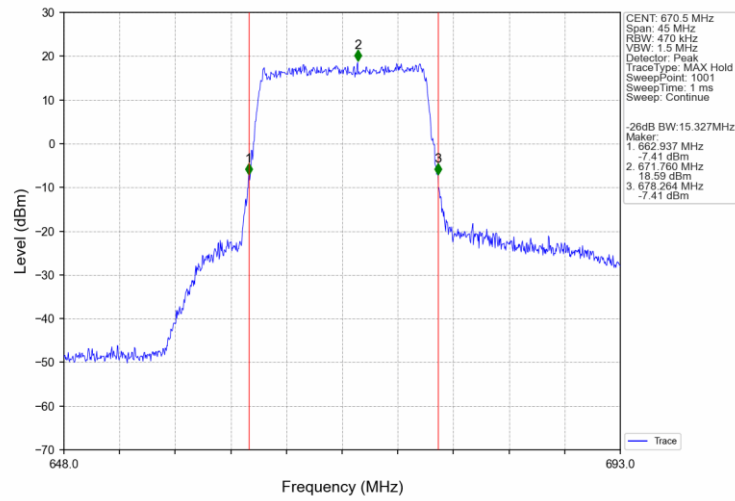
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



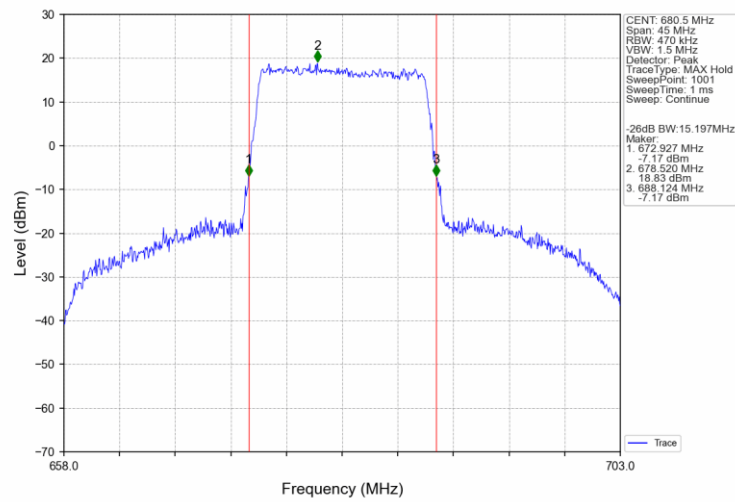
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



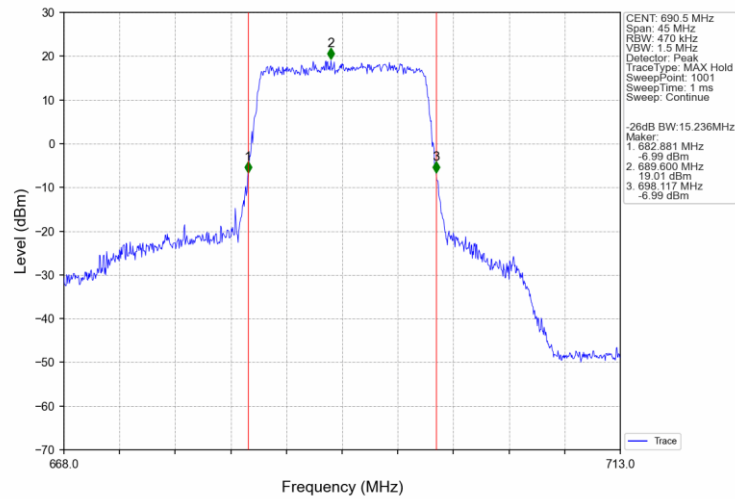
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



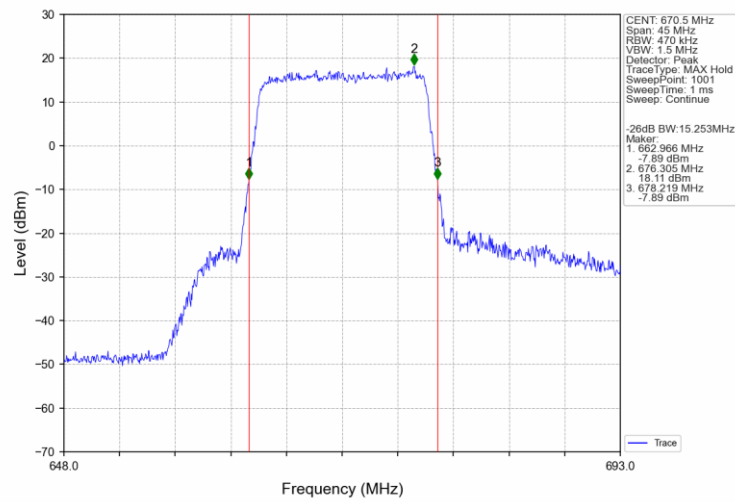
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



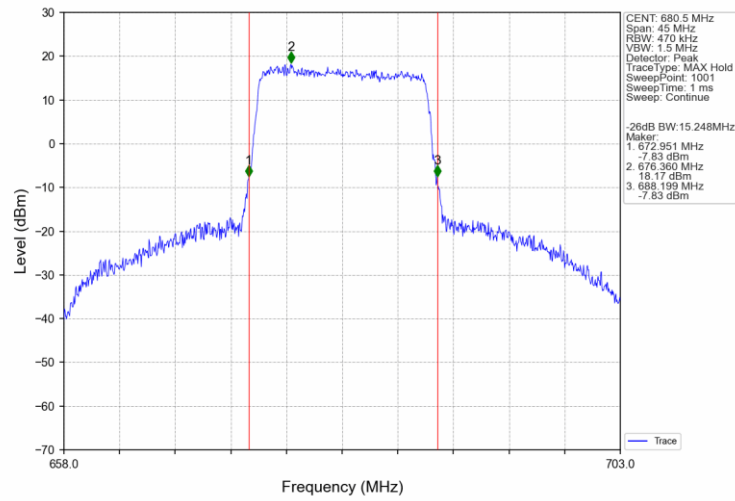
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



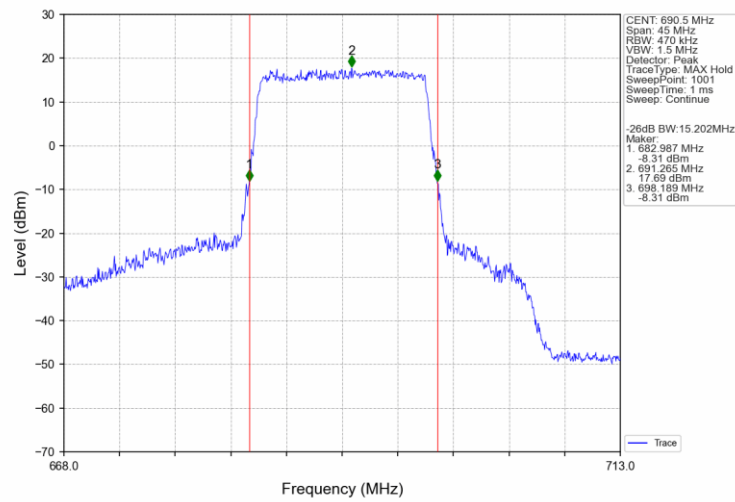
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



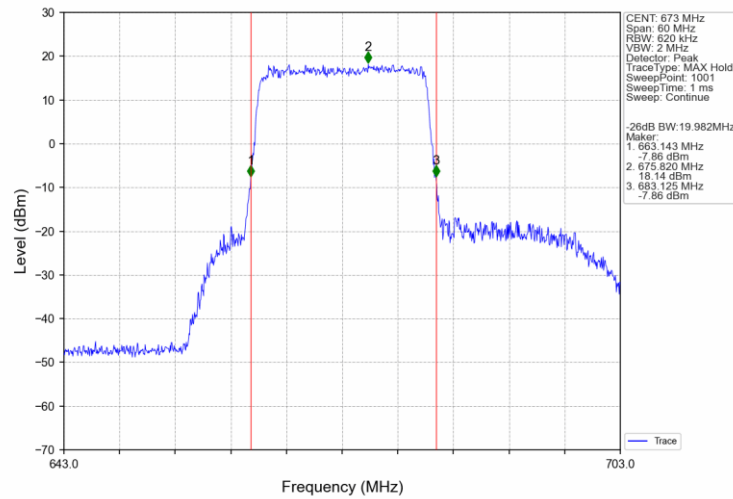
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



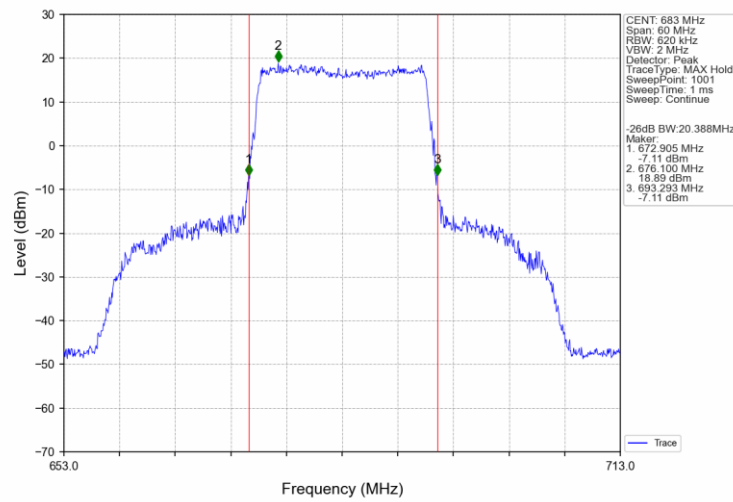
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



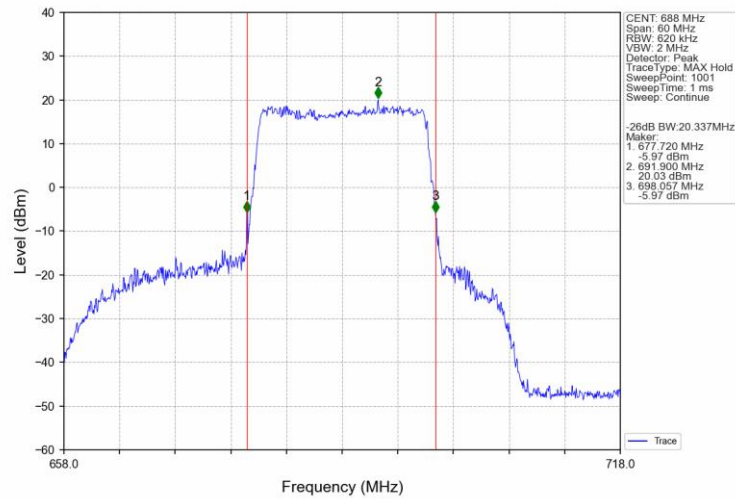
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



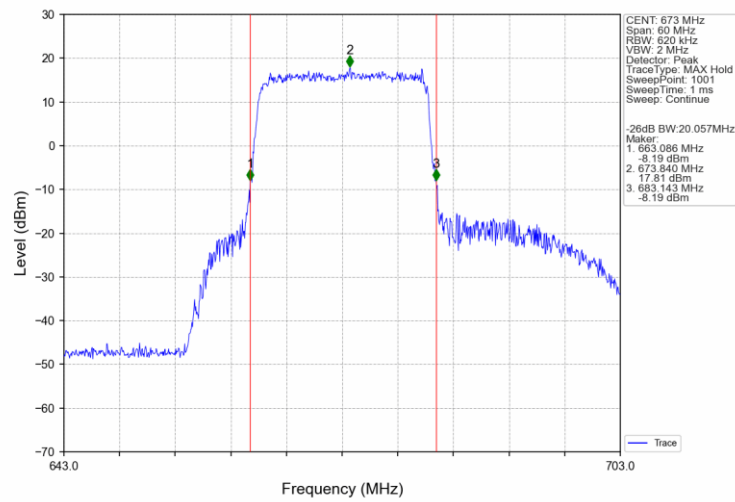
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



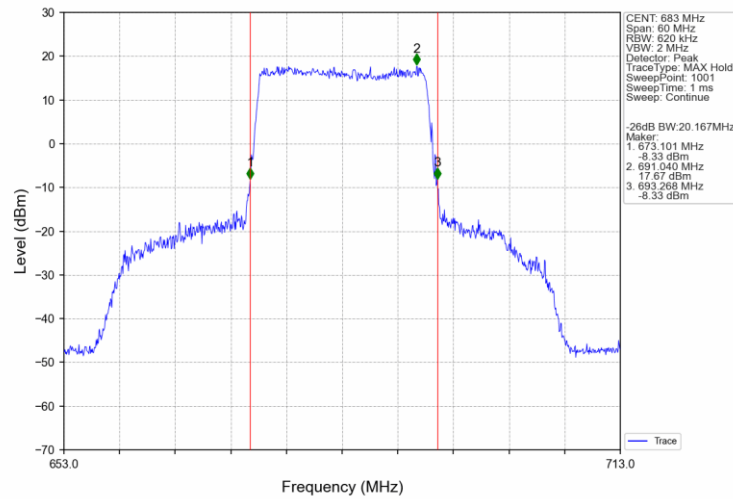
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



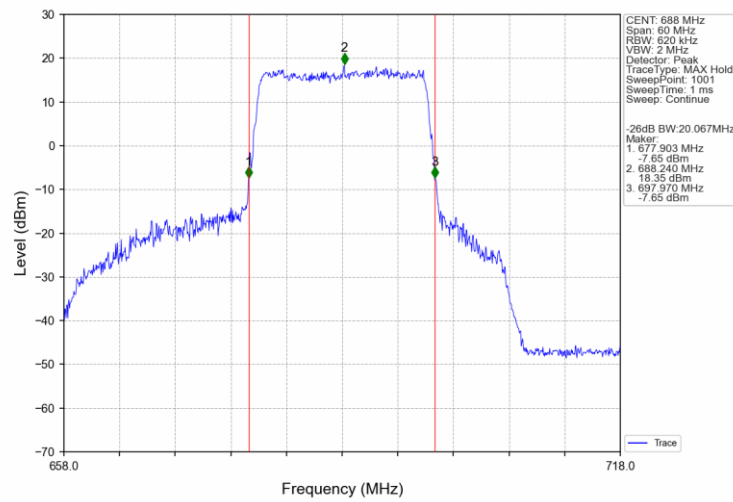
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.62	<=13	Pass
	680.5	25	0	5.16	<=13	Pass
	695.5	25	0	5.54	<=13	Pass
16QAM	665.5	25	0	6.35	<=13	Pass
	680.5	25	0	5.88	<=13	Pass
	695.5	25	0	6.21	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.58	<=13	Pass
	680.5	50	0	5.23	<=13	Pass
	693	50	0	5.54	<=13	Pass
16QAM	668	50	0	6.32	<=13	Pass
	680.5	50	0	6.00	<=13	Pass
	693	50	0	6.31	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.14	<=13	Pass
	680.5	75	0	5.12	<=13	Pass
	690.5	75	0	5.11	<=13	Pass
16QAM	670.5	75	0	6.22	<=13	Pass
	680.5	75	0	6.12	<=13	Pass
	690.5	75	0	6.16	<=13	Pass

5.1.4 B71_20MHz

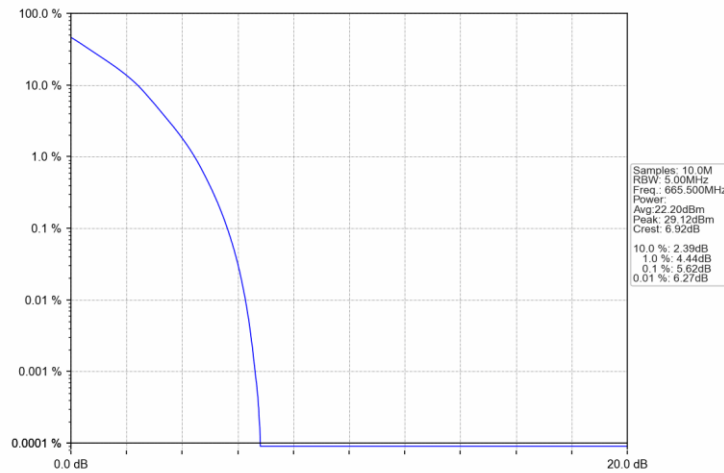
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.69	<=13	Pass
	683	100	0	5.71	<=13	Pass
	688	100	0	5.68	<=13	Pass
16QAM	673	100	0	6.59	<=13	Pass
	683	100	0	6.58	<=13	Pass
	688	100	0	6.69	<=13	Pass



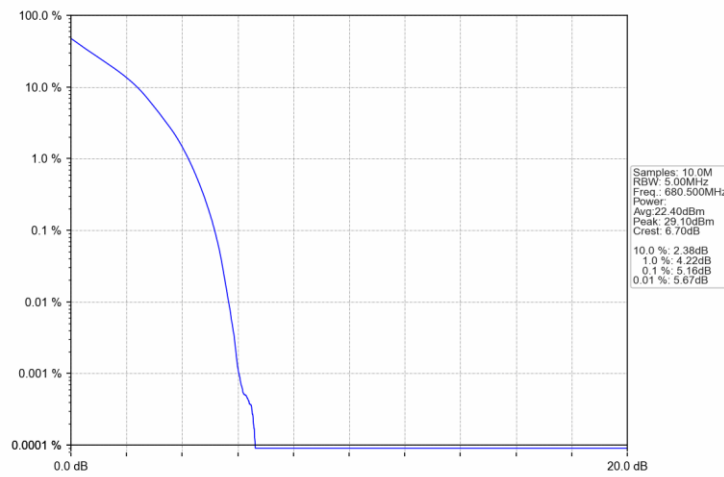
5.2 Test Graph

5.2.1 B71_5MHz

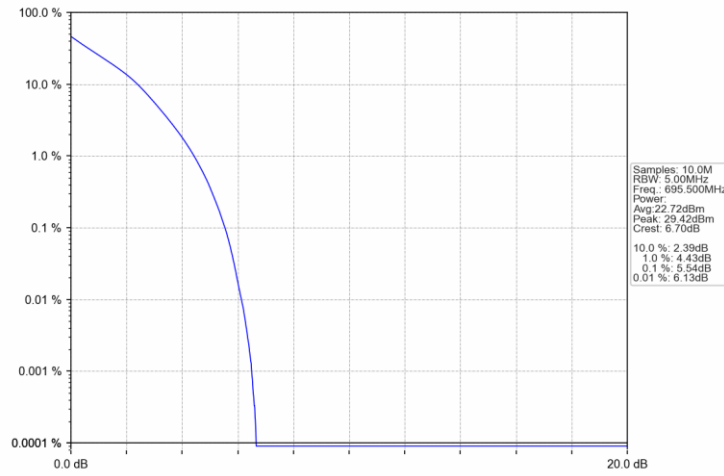
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



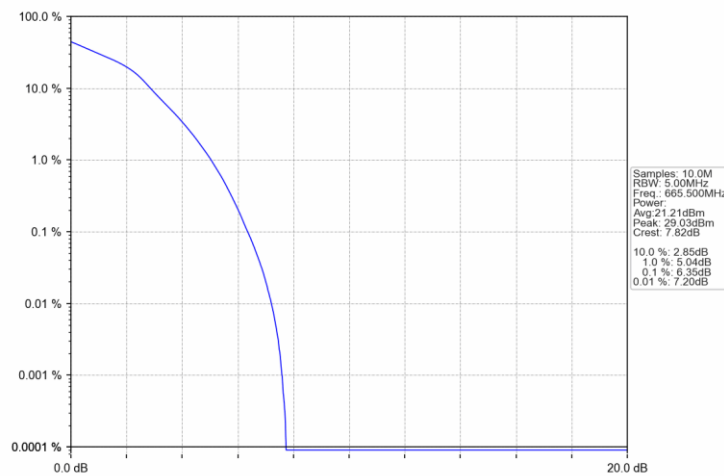
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



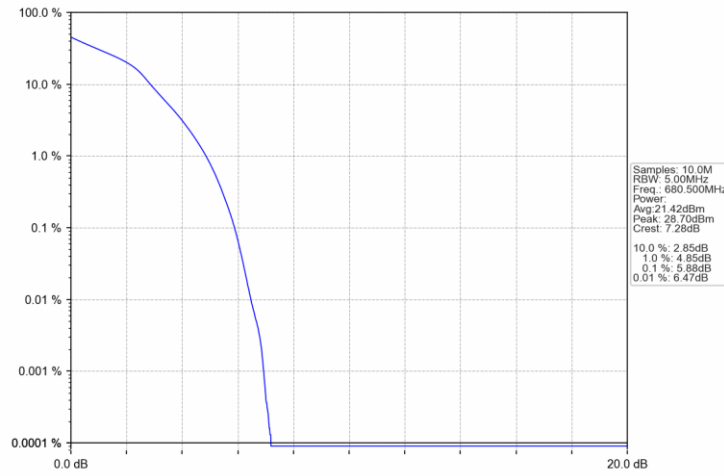
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



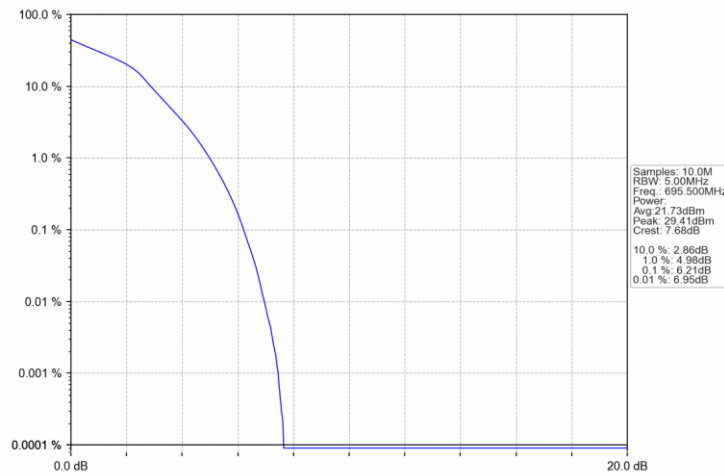
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV

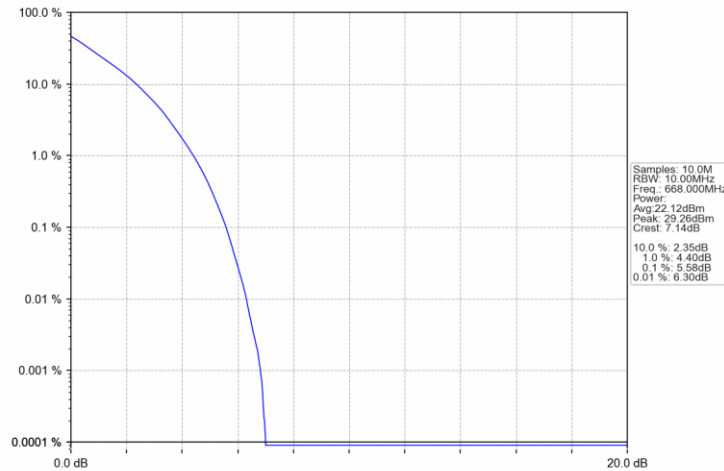


Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV

