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	24.25	-4.00	18.10	<=34.77	Pass
			13	24.37	-4.00	18.22	<=34.77	Pass
			24	24.23	-4.00	18.08	<=34.77	Pass
		12	0	23.27	-4.00	17.12	<=34.77	Pass
			6	23.37	-4.00	17.22	<=34.77	Pass
			13	23.33	-4.00	17.18	<=34.77	Pass
		25	0	23.28	-4.00	17.13	<=34.77	Pass
	680.5	1	0	23.48	-4.00	17.33	<=34.77	Pass
			13	23.56	-4.00	17.41	<=34.77	Pass
			24	23.45	-4.00	17.30	<=34.77	Pass
		12	0	22.60	-4.00	16.45	<=34.77	Pass
			6	22.61	-4.00	16.46	<=34.77	Pass
			13	22.56	-4.00	16.41	<=34.77	Pass
		25	0	22.56	-4.00	16.41	<=34.77	Pass
	695.5	1	0	23.37	-4.00	17.22	<=34.77	Pass
			13	23.52	-4.00	17.37	<=34.77	Pass
			24	23.39	-4.00	17.24	<=34.77	Pass
		12	0	22.54	-4.00	16.39	<=34.77	Pass
			6	22.54	-4.00	16.39	<=34.77	Pass
			13	22.49	-4.00	16.34	<=34.77	Pass
		25	0	22.53	-4.00	16.38	<=34.77	Pass
16QAM	665.5	1	0	23.48	-4.00	17.33	<=34.77	Pass
			13	23.36	-4.00	17.21	<=34.77	Pass
			24	22.99	-4.00	16.84	<=34.77	Pass
		12	0	21.77	-4.00	15.62	<=34.77	Pass
			6	21.96	-4.00	15.81	<=34.77	Pass
			13	21.82	-4.00	15.67	<=34.77	Pass
		25	0	21.83	-4.00	15.68	<=34.77	Pass
	680.5	1	0	22.33	-4.00	16.18	<=34.77	Pass
			13	22.42	-4.00	16.27	<=34.77	Pass
			24	22.40	-4.00	16.25	<=34.77	Pass
		12	0	21.54	-4.00	15.39	<=34.77	Pass
			6	21.59	-4.00	15.44	<=34.77	Pass
			13	21.51	-4.00	15.36	<=34.77	Pass
		25	0	21.64	-4.00	15.49	<=34.77	Pass
	695.5	1	0	22.48	-4.00	16.33	<=34.77	Pass
			13	22.67	-4.00	16.52	<=34.77	Pass
			24	22.51	-4.00	16.36	<=34.77	Pass
		12	0	21.55	-4.00	15.40	<=34.77	Pass
			6	21.53	-4.00	15.38	<=34.77	Pass
			13	21.50	-4.00	15.35	<=34.77	Pass
		25	0	21.54	-4.00	15.39	<=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	23.68	-4.00	17.53	<=34.77	Pass
			25	23.80	-4.00	17.65	<=34.77	Pass
			49	23.62	-4.00	17.47	<=34.77	Pass
		25	0	22.71	-4.00	16.56	<=34.77	Pass
			13	22.75	-4.00	16.60	<=34.77	Pass
			25	22.73	-4.00	16.58	<=34.77	Pass
		50	0	22.72	-4.00	16.57	<=34.77	Pass
	680.5	1	0	23.47	-4.00	17.32	<=34.77	Pass
			25	23.65	-4.00	17.50	<=34.77	Pass
			49	23.44	-4.00	17.29	<=34.77	Pass
		25	0	22.65	-4.00	16.50	<=34.77	Pass
			13	22.60	-4.00	16.45	<=34.77	Pass
			25	22.54	-4.00	16.39	<=34.77	Pass
		50	0	22.62	-4.00	16.47	<=34.77	Pass
	693	1	0	23.45	-4.00	17.30	<=34.77	Pass
			25	23.63	-4.00	17.48	<=34.77	Pass
			49	23.50	-4.00	17.35	<=34.77	Pass
		25	0	22.58	-4.00	16.43	<=34.77	Pass
			13	22.57	-4.00	16.42	<=34.77	Pass
			25	22.51	-4.00	16.36	<=34.77	Pass
		50	0	22.52	-4.00	16.37	<=34.77	Pass
16QAM	668	1	0	22.89	-4.00	16.74	<=34.77	Pass
			25	23.06	-4.00	16.91	<=34.77	Pass
			49	22.82	-4.00	16.67	<=34.77	Pass
		25	0	21.74	-4.00	15.59	<=34.77	Pass
			13	21.78	-4.00	15.63	<=34.77	Pass
			25	21.76	-4.00	15.61	<=34.77	Pass
		50	0	21.73	-4.00	15.58	<=34.77	Pass
	680.5	1	0	22.97	-4.00	16.82	<=34.77	Pass
			25	23.13	-4.00	16.98	<=34.77	Pass
			49	23.11	-4.00	16.96	<=34.77	Pass
		25	0	21.66	-4.00	15.51	<=34.77	Pass
			13	21.67	-4.00	15.52	<=34.77	Pass
			25	21.60	-4.00	15.45	<=34.77	Pass
		50	0	21.64	-4.00	15.49	<=34.77	Pass
	693	1	0	22.51	-4.00	16.36	<=34.77	Pass
			25	22.66	-4.00	16.51	<=34.77	Pass
			49	22.53	-4.00	16.38	<=34.77	Pass
		25	0	21.65	-4.00	15.50	<=34.77	Pass
			13	21.66	-4.00	15.51	<=34.77	Pass
			25	21.65	-4.00	15.50	<=34.77	Pass
		50	0	21.57	-4.00	15.42	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B71_15MHz_ERP

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	23.60	-4.00	17.45	<=34.77	Pass
			38	23.57	-4.00	17.42	<=34.77	Pass
			74	23.47	-4.00	17.32	<=34.77	Pass
		36	0	22.75	-4.00	16.60	<=34.77	Pass
			18	22.73	-4.00	16.58	<=34.77	Pass
			39	22.77	-4.00	16.62	<=34.77	Pass
		75	0	22.77	-4.00	16.62	<=34.77	Pass
	680.5	1	0	23.43	-4.00	17.28	<=34.77	Pass
			38	23.49	-4.00	17.34	<=34.77	Pass
			74	23.43	-4.00	17.28	<=34.77	Pass
		36	0	22.67	-4.00	16.52	<=34.77	Pass
			18	22.66	-4.00	16.51	<=34.77	Pass
			39	22.62	-4.00	16.47	<=34.77	Pass
		75	0	22.63	-4.00	16.48	<=34.77	Pass
	690.5	1	0	23.35	-4.00	17.20	<=34.77	Pass
			38	23.45	-4.00	17.30	<=34.77	Pass
			74	23.38	-4.00	17.23	<=34.77	Pass
		36	0	22.49	-4.00	16.34	<=34.77	Pass
			18	22.55	-4.00	16.40	<=34.77	Pass
			39	22.54	-4.00	16.39	<=34.77	Pass
		75	0	22.50	-4.00	16.35	<=34.77	Pass
16QAM	670.5	1	0	22.80	-4.00	16.65	<=34.77	Pass
			38	22.82	-4.00	16.67	<=34.77	Pass
			74	22.62	-4.00	16.47	<=34.77	Pass
		36	0	21.71	-4.00	15.56	<=34.77	Pass
			18	21.73	-4.00	15.58	<=34.77	Pass
			39	21.70	-4.00	15.55	<=34.77	Pass
		75	0	21.74	-4.00	15.59	<=34.77	Pass
	680.5	1	0	22.97	-4.00	16.82	<=34.77	Pass
			38	22.99	-4.00	16.84	<=34.77	Pass
			74	23.06	-4.00	16.91	<=34.77	Pass
		36	0	21.57	-4.00	15.42	<=34.77	Pass
			18	21.59	-4.00	15.44	<=34.77	Pass
			39	21.61	-4.00	15.46	<=34.77	Pass
		75	0	21.61	-4.00	15.46	<=34.77	Pass
	690.5	1	0	22.72	-4.00	16.57	<=34.77	Pass
			38	22.82	-4.00	16.67	<=34.77	Pass
			74	22.80	-4.00	16.65	<=34.77	Pass
		36	0	21.43	-4.00	15.28	<=34.77	Pass
			18	21.49	-4.00	15.34	<=34.77	Pass
			39	21.49	-4.00	15.34	<=34.77	Pass
		75	0	21.44	-4.00	15.29	<=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	23.40	-4.00	17.25	<=34.77	Pass
			50	23.67	-4.00	17.52	<=34.77	Pass
			99	23.30	-4.00	17.15	<=34.77	Pass
		50	0	22.57	-4.00	16.42	<=34.77	Pass
			25	22.59	-4.00	16.44	<=34.77	Pass
			50	22.46	-4.00	16.31	<=34.77	Pass
		100	0	22.53	-4.00	16.38	<=34.77	Pass
	683	1	0	23.25	-4.00	17.10	<=34.77	Pass
			50	23.55	-4.00	17.40	<=34.77	Pass
			99	23.21	-4.00	17.06	<=34.77	Pass
		50	0	22.57	-4.00	16.42	<=34.77	Pass
			25	22.57	-4.00	16.42	<=34.77	Pass
			50	22.64	-4.00	16.49	<=34.77	Pass
		100	0	22.64	-4.00	16.49	<=34.77	Pass
	688	1	0	23.16	-4.00	17.01	<=34.77	Pass
			50	23.53	-4.00	17.38	<=34.77	Pass
			99	23.24	-4.00	17.09	<=34.77	Pass
		50	0	22.54	-4.00	16.39	<=34.77	Pass
			25	22.57	-4.00	16.42	<=34.77	Pass
			50	22.40	-4.00	16.25	<=34.77	Pass
		100	0	22.44	-4.00	16.29	<=34.77	Pass
16QAM	673	1	0	22.65	-4.00	16.50	<=34.77	Pass
			50	22.90	-4.00	16.75	<=34.77	Pass
			99	22.52	-4.00	16.37	<=34.77	Pass
		50	0	21.61	-4.00	15.46	<=34.77	Pass
			25	21.64	-4.00	15.49	<=34.77	Pass
			50	21.46	-4.00	15.31	<=34.77	Pass
		100	0	21.52	-4.00	15.37	<=34.77	Pass
	683	1	0	22.50	-4.00	16.35	<=34.77	Pass
			50	22.88	-4.00	16.73	<=34.77	Pass
			99	22.52	-4.00	16.37	<=34.77	Pass
		50	0	21.62	-4.00	15.47	<=34.77	Pass
			25	21.59	-4.00	15.44	<=34.77	Pass
			50	21.62	-4.00	15.47	<=34.77	Pass
		100	0	21.65	-4.00	15.50	<=34.77	Pass
	688	1	0	22.66	-4.00	16.51	<=34.77	Pass
			50	23.19	-4.00	17.04	<=34.77	Pass
			99	22.84	-4.00	16.69	<=34.77	Pass
		50	0	21.52	-4.00	15.37	<=34.77	Pass
			25	21.54	-4.00	15.39	<=34.77	Pass
			50	21.42	-4.00	15.27	<=34.77	Pass
		100	0	21.46	-4.00	15.31	<=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	-8.326	-0.0125	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0116	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-4.063	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-11.244	-0.0169	-2.5 to 2.5	Pass
				-10	3.85	-9.928	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-8.297	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-10.085	-0.0152	-2.5 to 2.5	Pass
				40	3.85	-6.838	-0.0103	-2.5 to 2.5	Pass
				50	3.85	-8.898	-0.0134	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-4.907	-0.0072	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0085	-2.5 to 2.5	Pass
					4.43	-2.675	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.108	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-3.633	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-8.397	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-2.317	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0070	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-8.626	-0.0124	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0124	-2.5 to 2.5	Pass
					4.43	-9.670	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-9.413	-0.0135	-2.5 to 2.5	Pass
				0	3.85	-10.657	-0.0153	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-8.240	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-8.984	-0.0129	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-6.123	-0.0092	-2.5 to 2.5	Pass
					3.85	-11.773	-0.0177	-2.5 to 2.5	Pass
					4.43	-9.370	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-7.839	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-9.370	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.679	-0.0083	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0072	-2.5 to 2.5	Pass
					4.43	-6.323	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	2.017	0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.219	-0.0047	-2.5 to 2.5	Pass

				0	3.85	-4.849	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0127	-2.5 to 2.5	Pass
				30	3.85	-5.064	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0066	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-10.457	-0.0150	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0045	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-3.476	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-10.057	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-4.721	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-9.856	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-11.187	-0.0161	-2.5 to 2.5	Pass
				40	3.85	-14.691	-0.0211	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0075	-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	-6.180	-0.0093	-2.5 to 2.5	Pass
					3.85	-4.549	-0.0068	-2.5 to 2.5	Pass
					4.43	-7.796	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-8.497	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-2.789	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.281	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-6.394	-0.0094	-2.5 to 2.5	Pass
					3.85	-6.537	-0.0096	-2.5 to 2.5	Pass
					4.43	-6.866	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-7.281	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-7.410	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-11.916	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-9.770	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-5.493	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-7.353	-0.0108	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-9.084	-0.0131	-2.5 to 2.5	Pass
					3.85	-3.748	-0.0054	-2.5 to 2.5	Pass
					4.43	-12.832	-0.0185	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-3.262	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-5.078	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-3.891	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-5.221	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-9.441	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-7.653	-0.0110	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-7.954	-0.0119	-2.5 to 2.5	Pass
					3.85	-6.995	-0.0105	-2.5 to 2.5	Pass
					4.43	-5.550	-0.0083	-2.5 to 2.5	Pass

				-30	3.85	-7.510	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0139	-2.5 to 2.5	Pass
				-10	3.85	-7.653	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-7.668	-0.0115	-2.5 to 2.5	Pass
				10	3.85	-5.121	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-3.090	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-7.739	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0072	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-5.150	-0.0076	-2.5 to 2.5	Pass
					3.85	-8.683	-0.0128	-2.5 to 2.5	Pass
					4.43	-4.935	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-9.055	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-9.155	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-10.428	-0.0153	-2.5 to 2.5	Pass
				30	3.85	-3.791	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-5.994	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-6.008	-0.0088	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-12.674	-0.0183	-2.5 to 2.5	Pass
					3.85	-10.586	-0.0153	-2.5 to 2.5	Pass
					4.43	-3.891	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-5.336	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-7.195	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-6.967	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0127	-2.5 to 2.5	Pass
				40	3.85	-8.039	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-6.151	-0.0089	-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	-6.766	-0.0101	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-7.968	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-8.898	-0.0133	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-0.901	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0055	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.147	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-3.748	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-2.832	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-4.606	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass

	690.5	75	0	20	3.27	-4.578	-0.0066	-2.5 to 2.5	Pass
					3.85	-8.154	-0.0118	-2.5 to 2.5	Pass
					4.43	-6.280	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-8.454	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-11.444	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-4.764	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-7.153	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-5.851	-0.0085	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-6.709	-0.0100	-2.5 to 2.5	Pass
					3.85	-8.469	-0.0126	-2.5 to 2.5	Pass
					4.43	-7.067	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-8.140	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-10.514	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-9.212	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-8.812	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-8.640	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-9.398	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-11.773	-0.0176	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-1.602	-0.0024	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0081	-2.5 to 2.5	Pass
					4.43	-6.695	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-7.796	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0083	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-5.093	-0.0074	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.351	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-6.280	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.536	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-8.984	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0080	-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	-3.276	-0.0049	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0079	-2.5 to 2.5	Pass
					4.43	-7.253	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-7.796	-0.0116	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-3.519	-0.0052	-2.5 to 2.5	Pass

				30	3.85	-4.792	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-1.516	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0066	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-6.065	-0.0089	-2.5 to 2.5	Pass
					3.85	-9.627	-0.0141	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-4.334	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-3.147	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-8.926	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-5.937	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-4.234	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-5.894	-0.0086	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-2.947	-0.0043	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0073	-2.5 to 2.5	Pass
					4.43	-8.841	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-6.137	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-6.366	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-9.441	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-8.011	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-6.566	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0117	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0114	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-8.454	-0.0126	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0036	-2.5 to 2.5	Pass
					4.43	-6.394	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.649	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-5.708	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-4.163	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-5.064	-0.0075	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-6.838	-0.0100	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0075	-2.5 to 2.5	Pass
					4.43	-6.552	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-7.925	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-8.254	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-7.854	-0.0115	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0062	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-5.965	-0.0087	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0093	-2.5 to 2.5	Pass
					4.43	-6.423	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-5.407	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-7.424	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-5.007	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-7.410	-0.0108	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
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

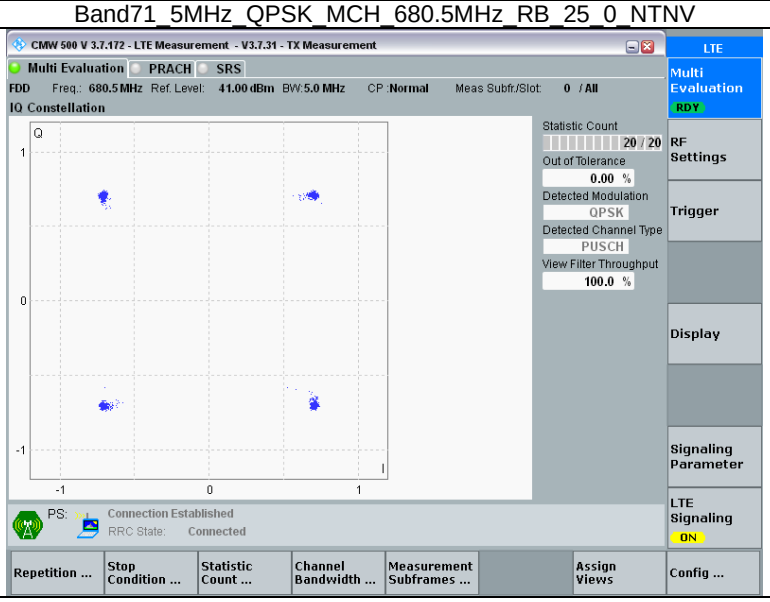
3.1.4 B71_20MHz

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

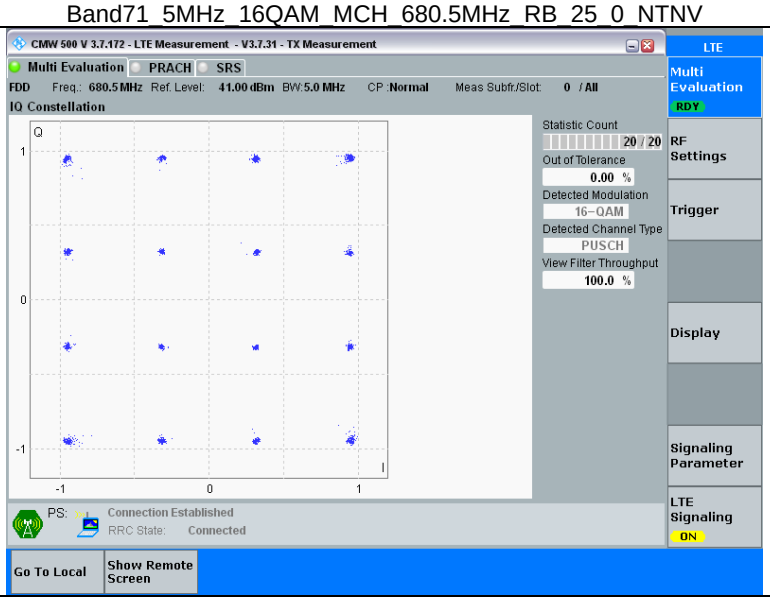
3.2 Test Graph

3.2.1 B71_5MHz

Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV

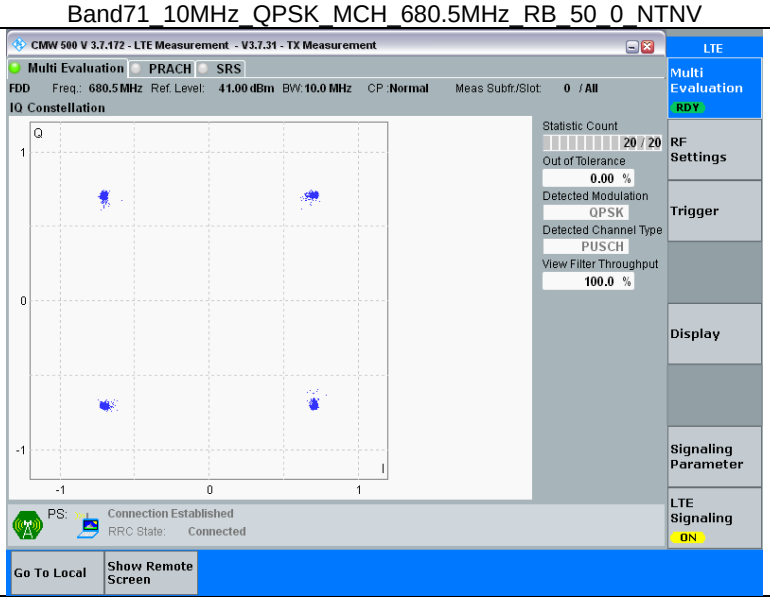


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV

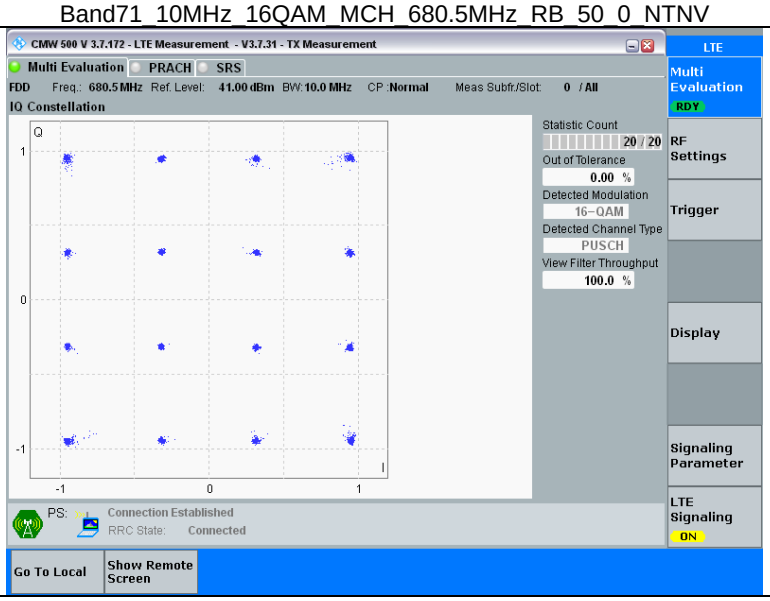


3.2.2 B71_10MHz

Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV

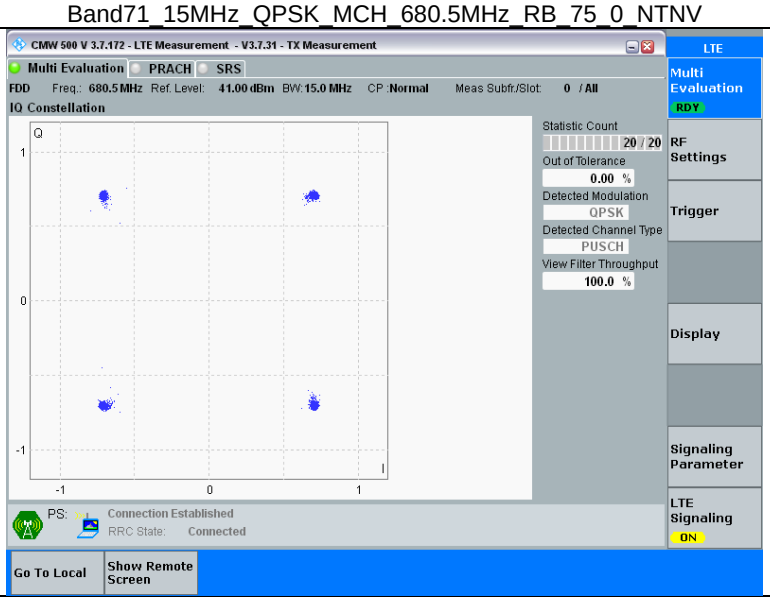


Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV

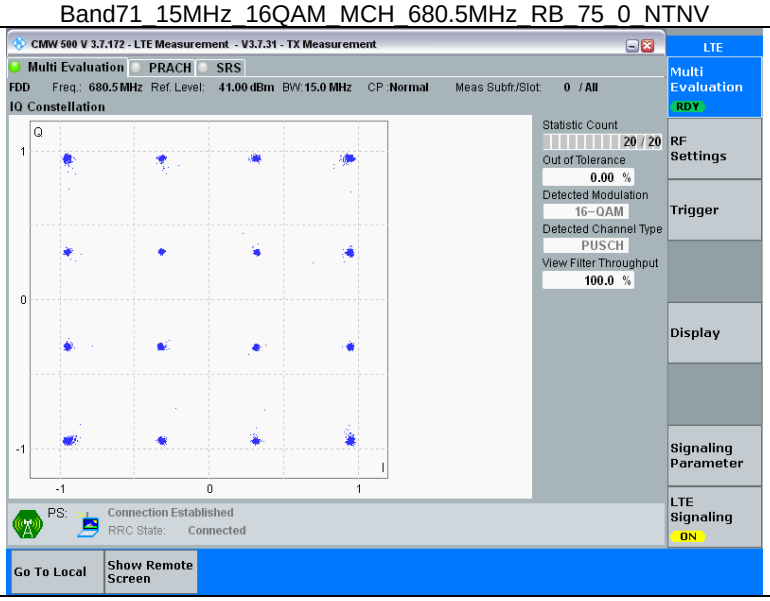


3.2.3 B71_15MHz

Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV

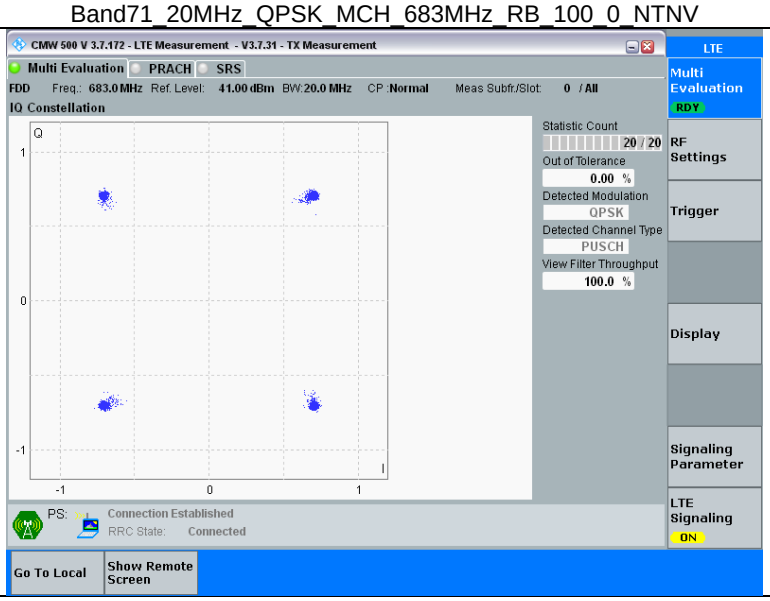


Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV

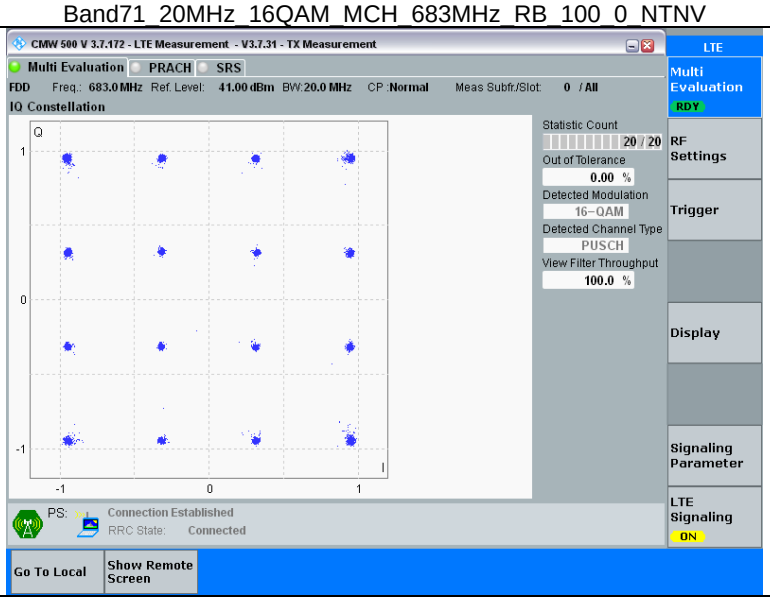


3.2.4 B71_20MHz

Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



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	4.555	/	Pass
		680.5	25	0	4.563	/	Pass
		695.5	25	0	4.576	/	Pass
	16QAM	665.5	25	0	4.586	/	Pass
		680.5	25	0	4.581	/	Pass
		695.5	25	0	4.560	/	Pass
10	QPSK	668	50	0	9.058	/	Pass
		680.5	50	0	9.064	/	Pass
		693	50	0	9.075	/	Pass
	16QAM	668	50	0	9.046	/	Pass
		680.5	50	0	9.102	/	Pass
		693	50	0	9.068	/	Pass
15	QPSK	670.5	75	0	13.614	/	Pass
		680.5	75	0	13.600	/	Pass
		690.5	75	0	13.612	/	Pass
	16QAM	670.5	75	0	13.623	/	Pass
		680.5	75	0	13.612	/	Pass
		690.5	75	0	13.595	/	Pass
20	QPSK	673	100	0	18.085	/	Pass
		683	100	0	18.208	/	Pass
		688	100	0	18.113	/	Pass
	16QAM	673	100	0	18.144	/	Pass
		683	100	0	18.178	/	Pass
		688	100	0	18.138	/	Pass

4.1.2 Band71_XDB

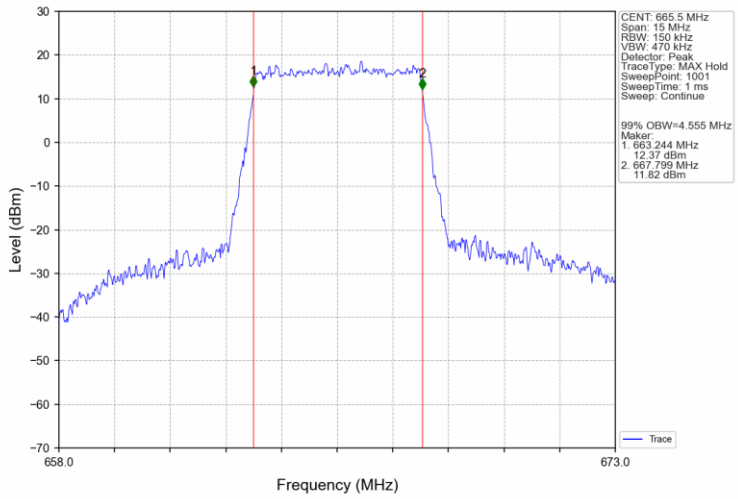
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.204	/	Pass
		680.5	25	0	5.263	/	Pass
		695.5	25	0	5.251	/	Pass
	16QAM	665.5	25	0	5.300	/	Pass
		680.5	25	0	5.274	/	Pass
		695.5	25	0	5.285	/	Pass
10	QPSK	668	50	0	10.222	/	Pass
		680.5	50	0	10.190	/	Pass
		693	50	0	10.239	/	Pass
	16QAM	668	50	0	10.202	/	Pass
		680.5	50	0	10.235	/	Pass
		693	50	0	10.128	/	Pass
15	QPSK	670.5	75	0	15.440	/	Pass
		680.5	75	0	15.261	/	Pass
		690.5	75	0	15.298	/	Pass

	16QAM	670.5	75	0	15.268	/	Pass
		680.5	75	0	15.414	/	Pass
		690.5	75	0	15.289	/	Pass
20	QPSK	673	100	0	20.065	/	Pass
		683	100	0	20.175	/	Pass
		688	100	0	19.991	/	Pass
	16QAM	673	100	0	19.829	/	Pass
		683	100	0	20.027	/	Pass
		688	100	0	19.992	/	Pass

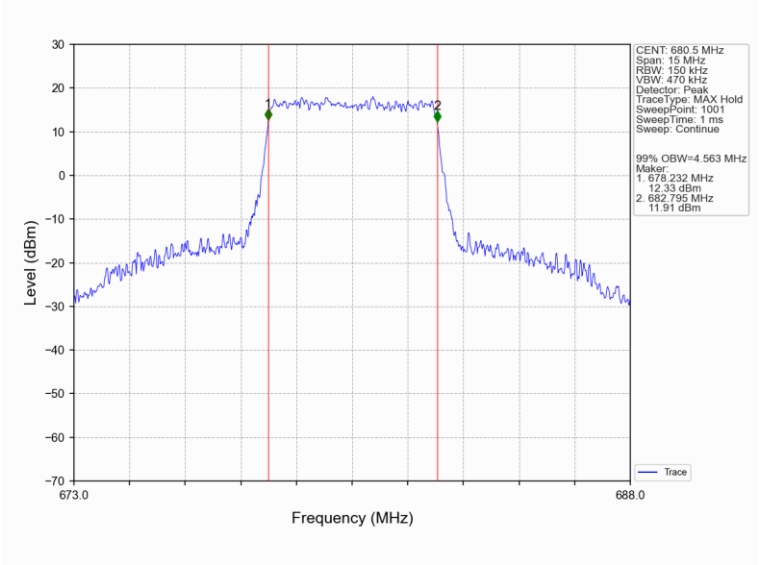
4.2 Test Graph

4.2.1 Band71_OBW

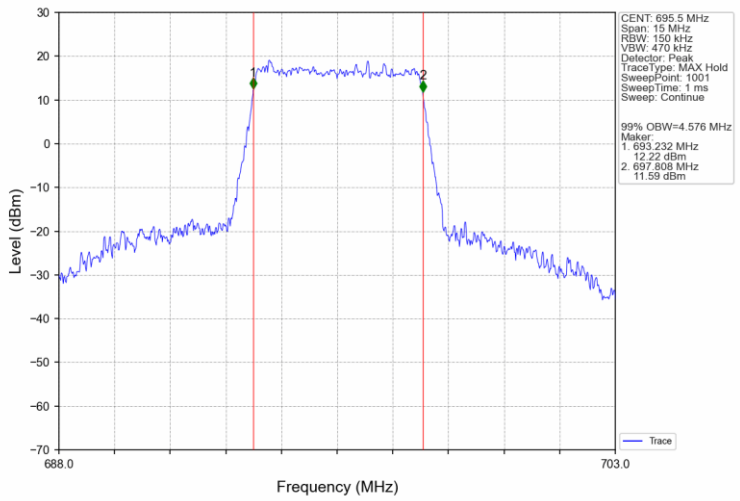
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



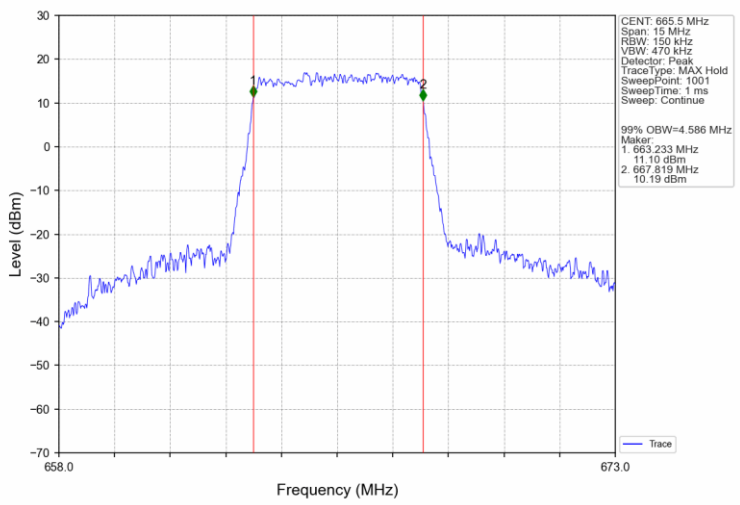
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



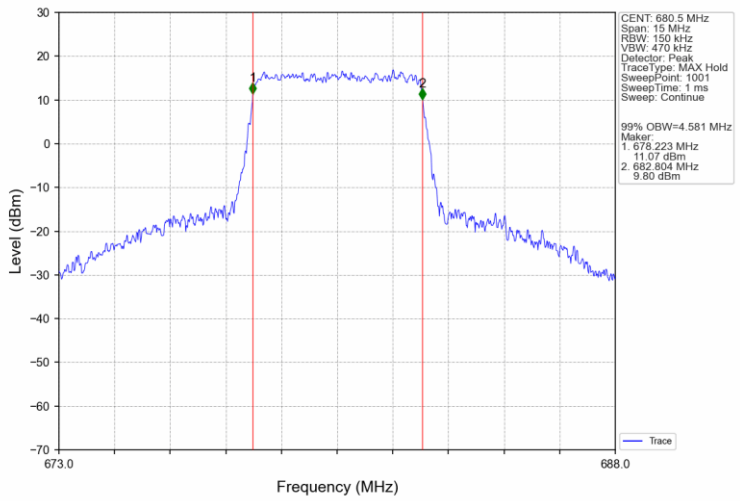
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



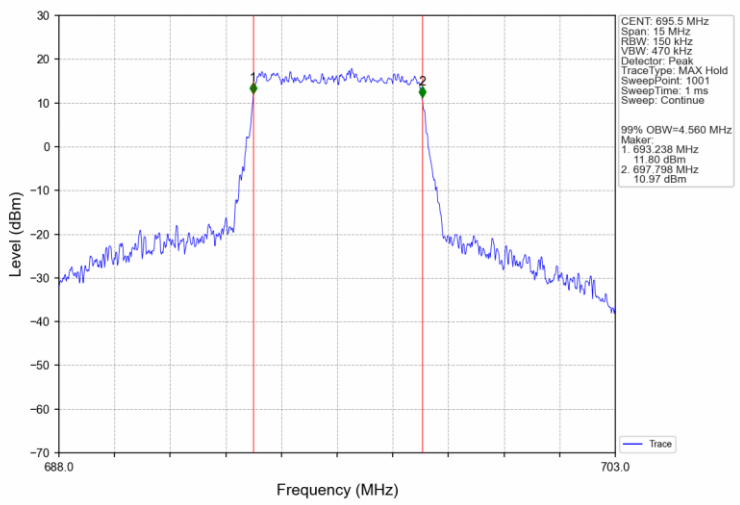
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



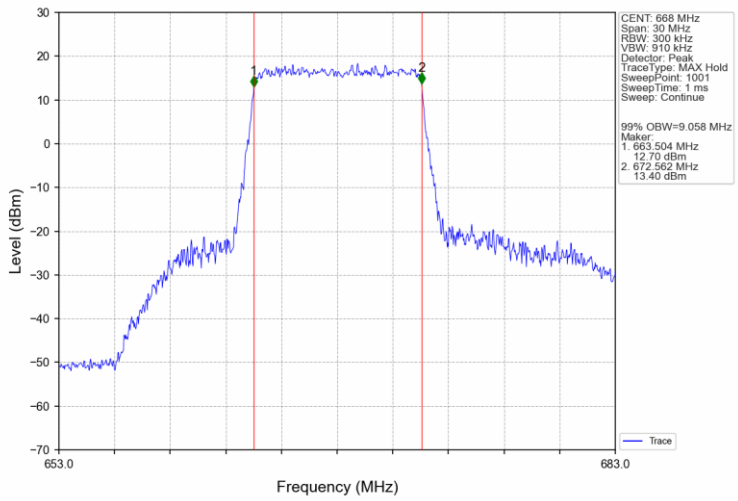
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



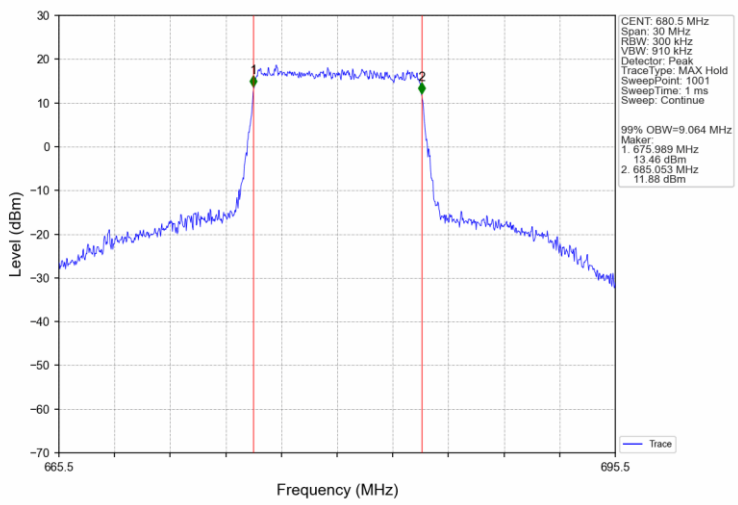
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



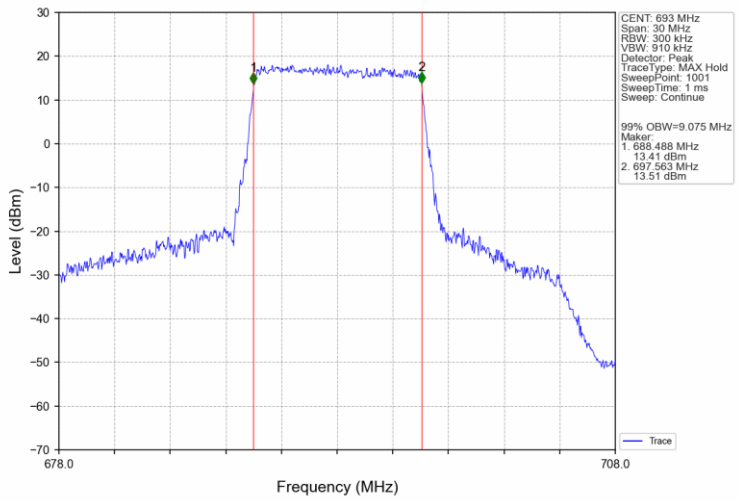
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



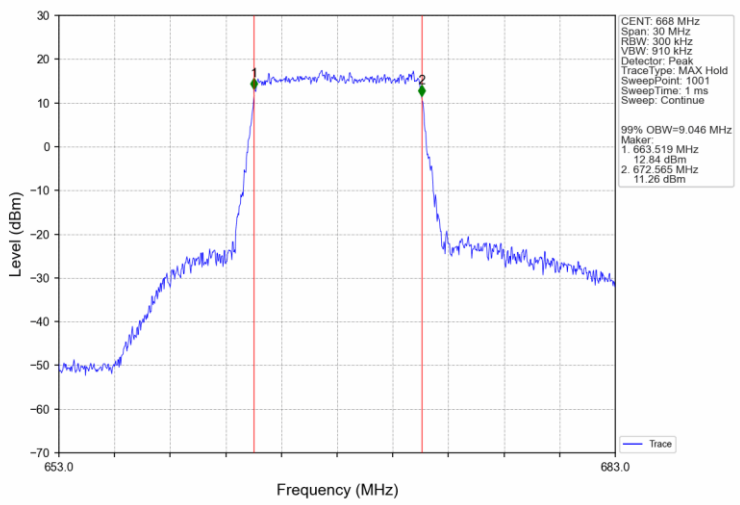
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



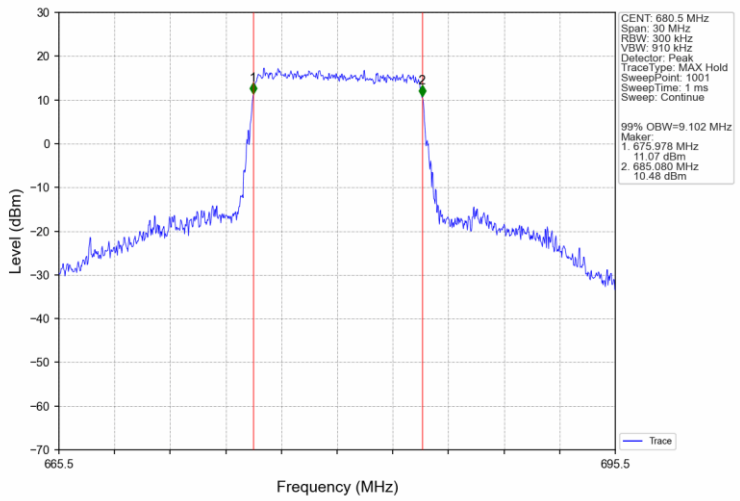
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



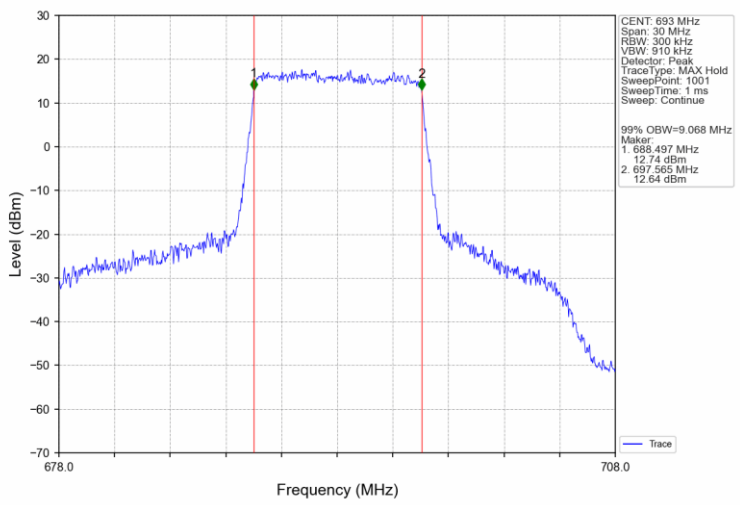
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



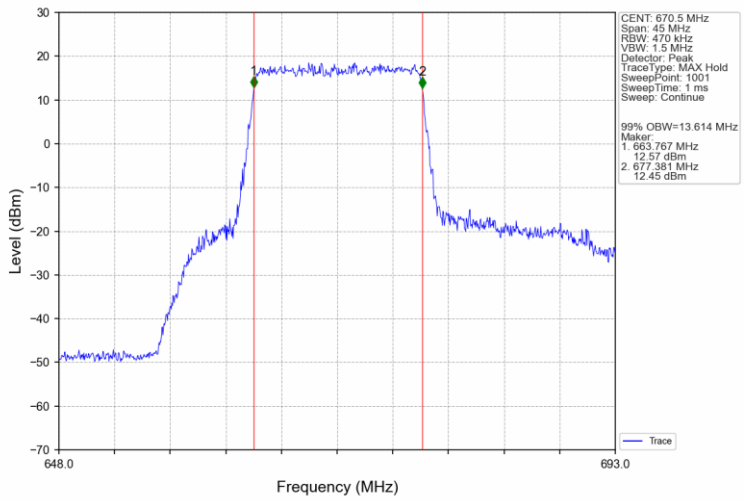
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



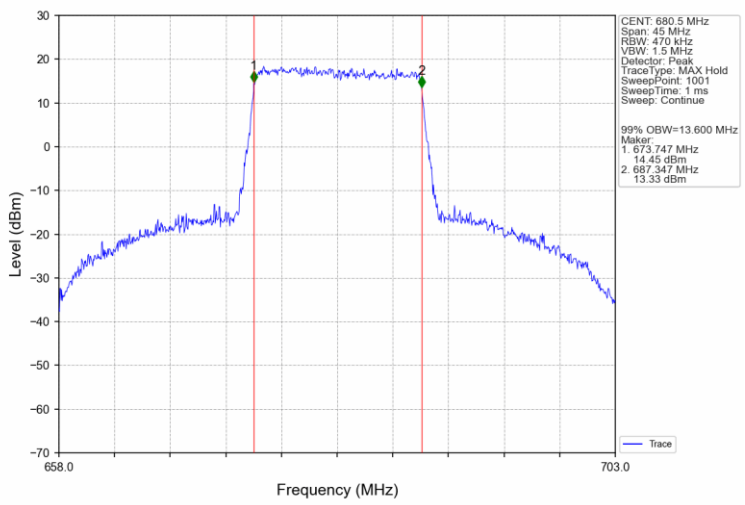
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



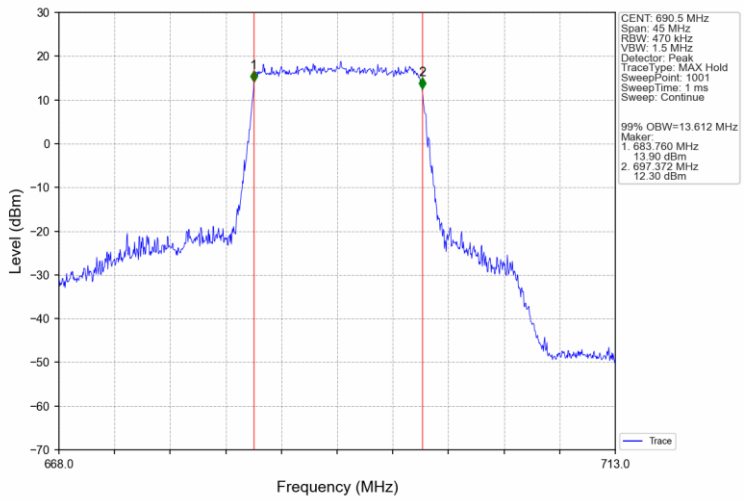
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



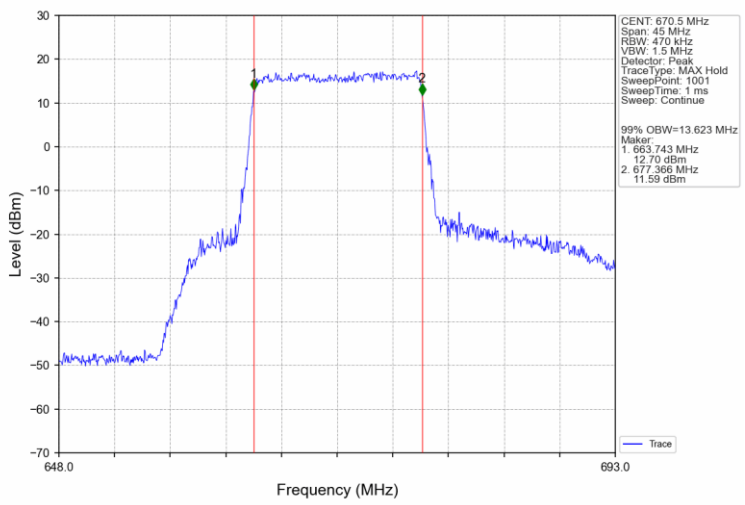
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



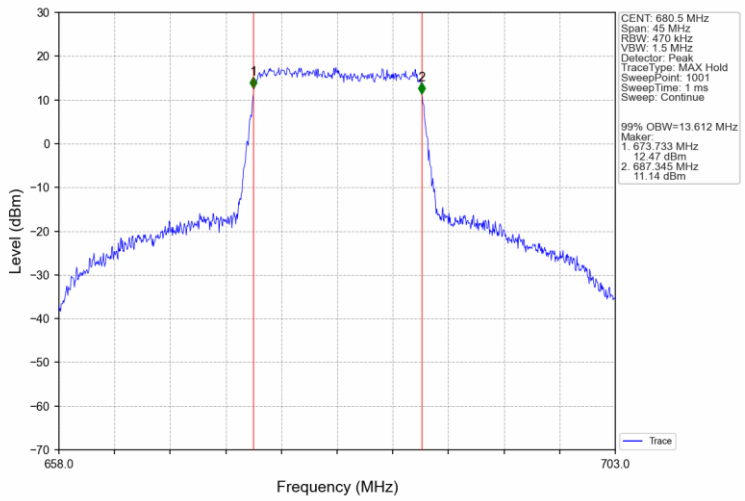
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



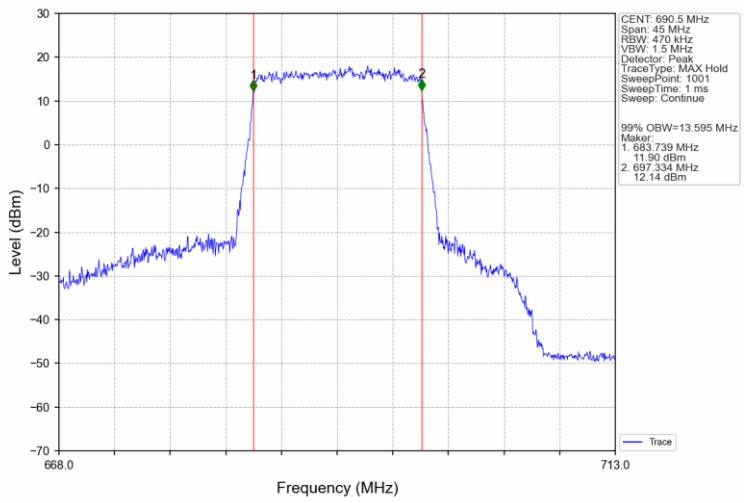
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



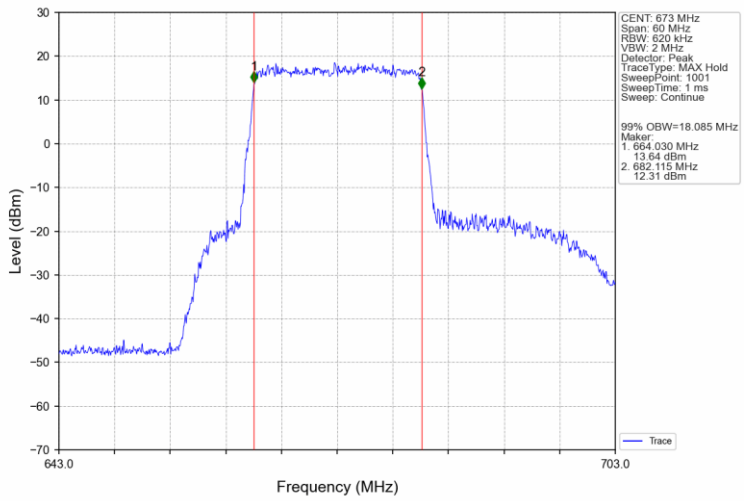
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



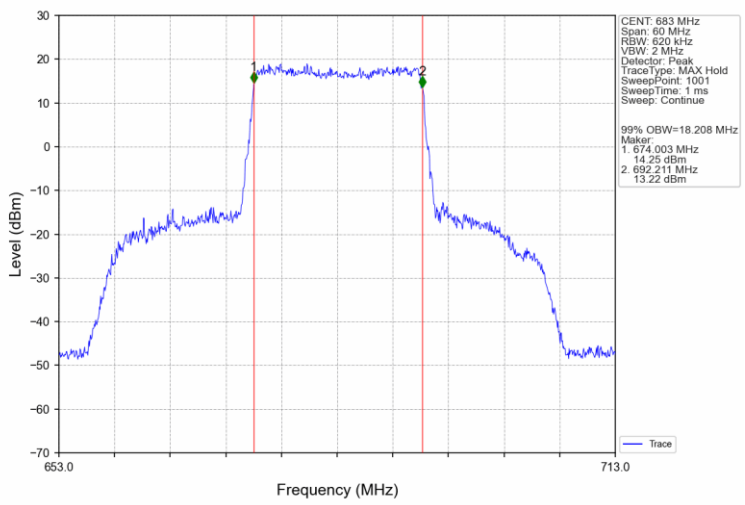
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



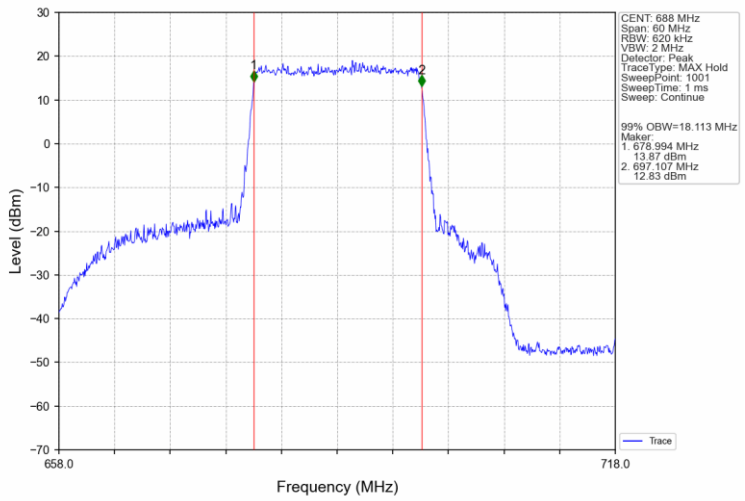
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



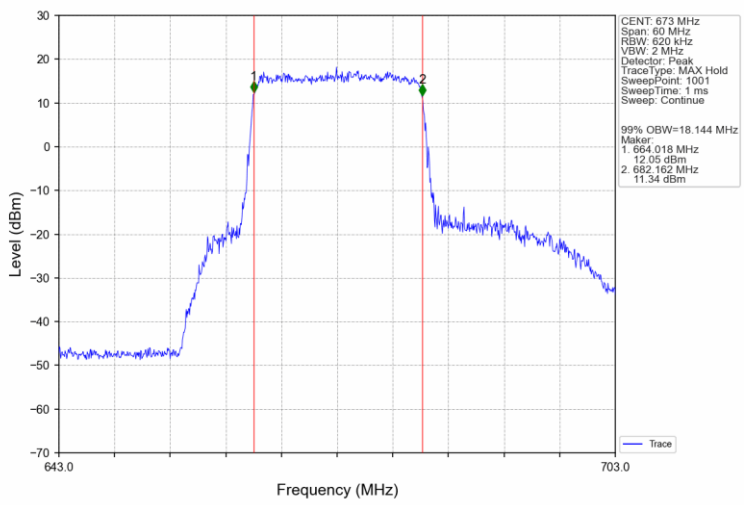
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



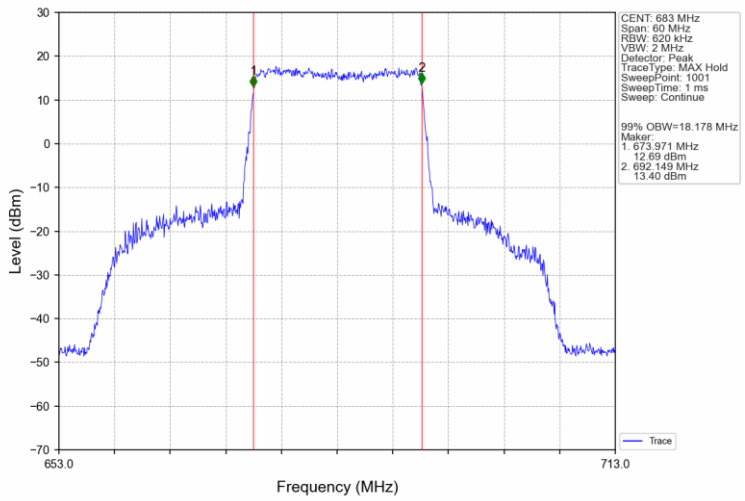
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



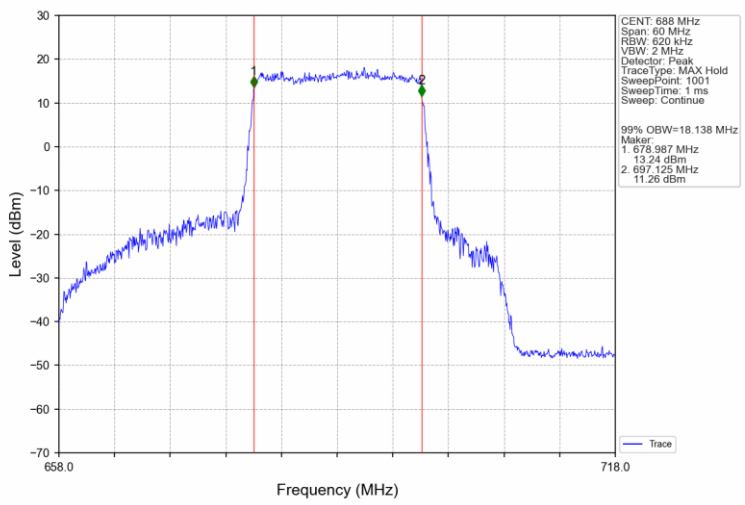
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

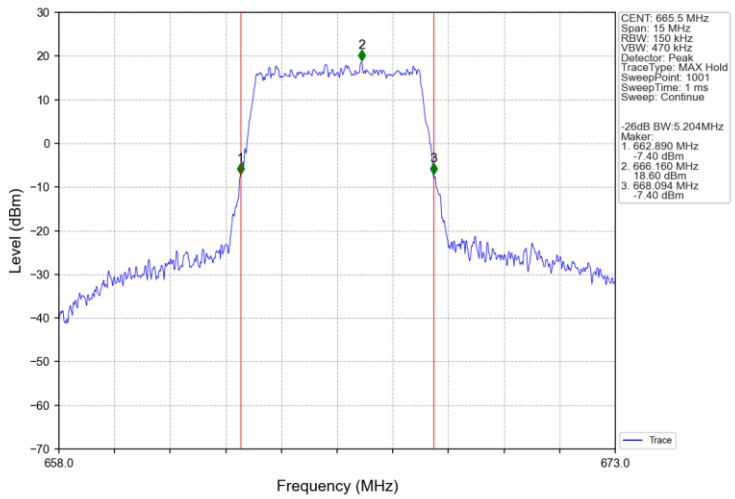


Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

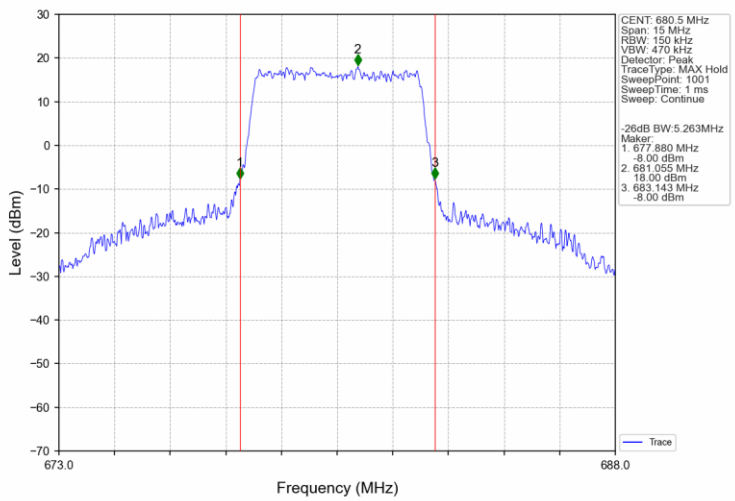


4.2.2 Band71_XDB

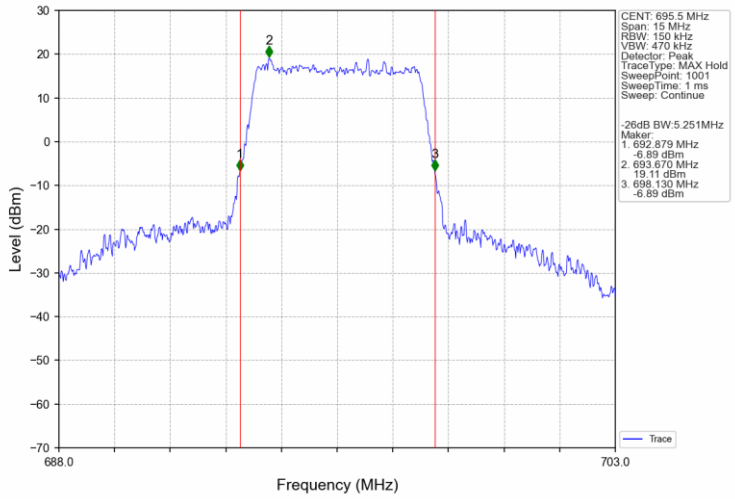
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



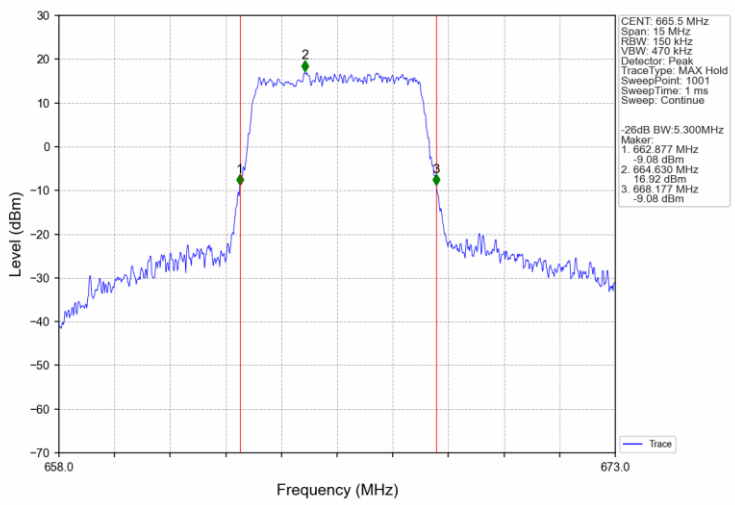
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



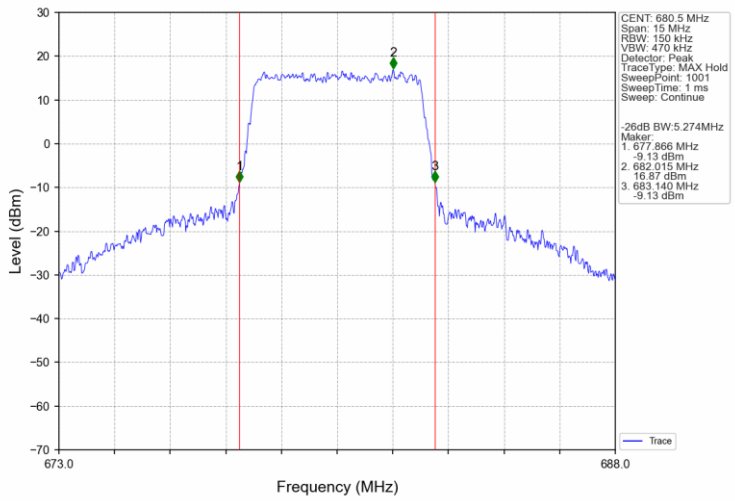
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



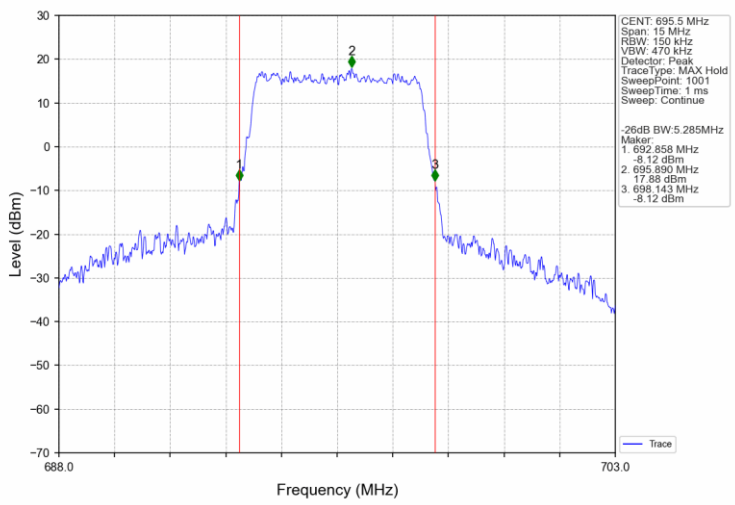
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



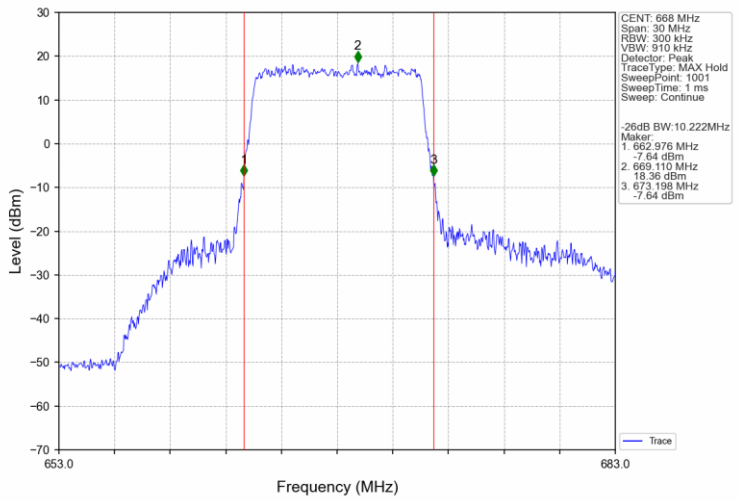
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



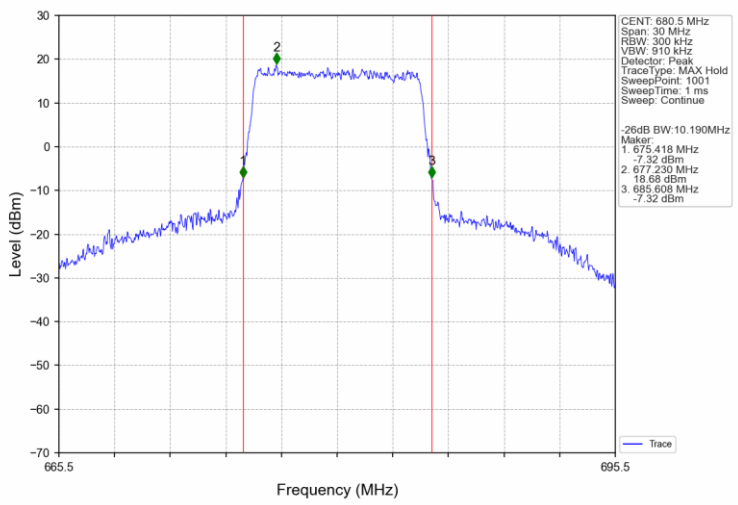
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



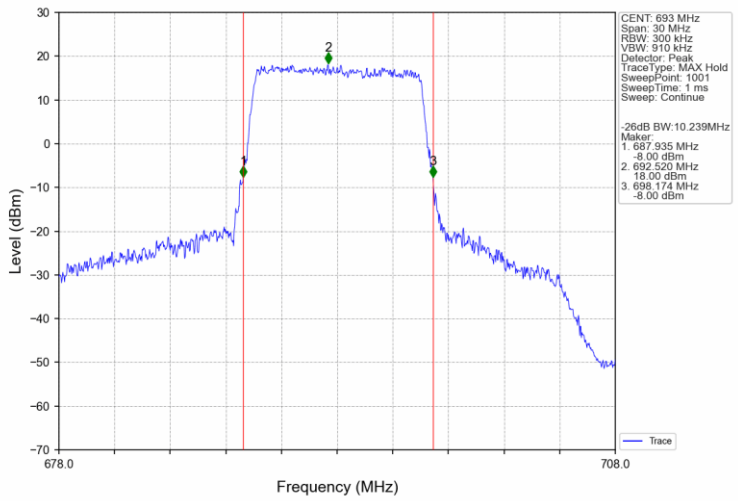
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



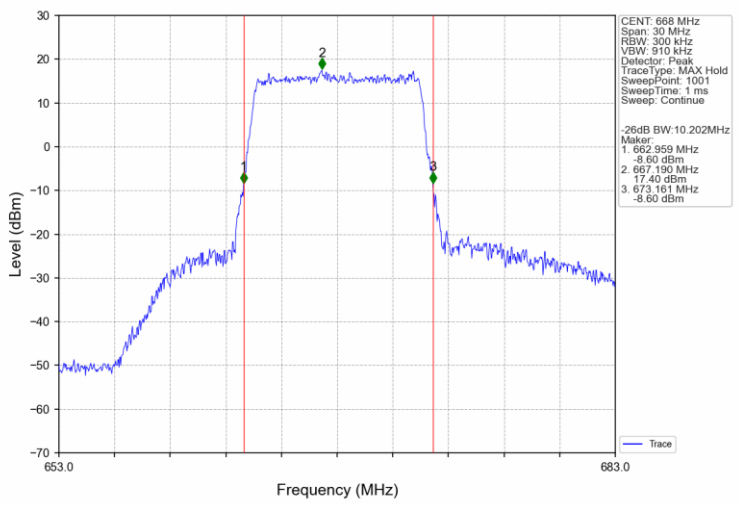
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



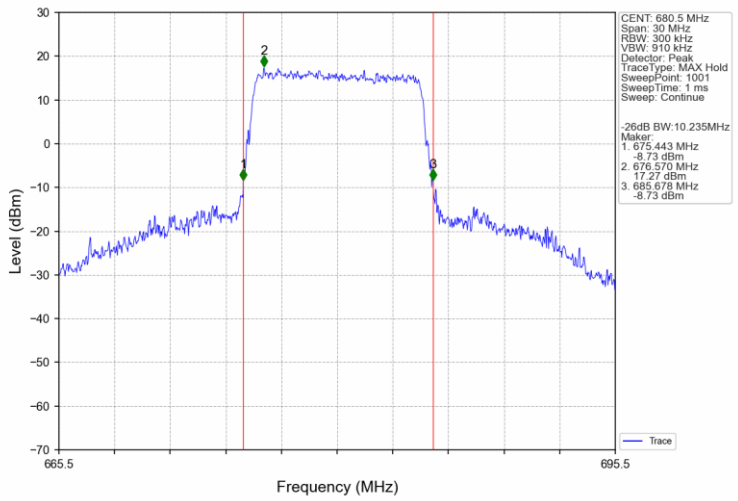
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



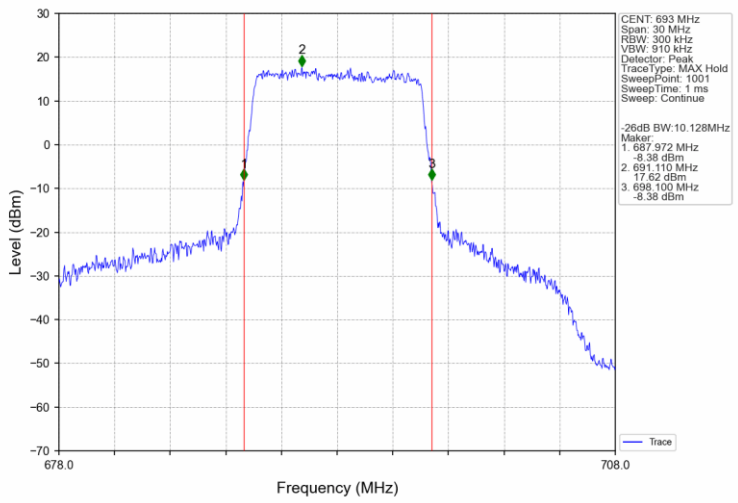
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



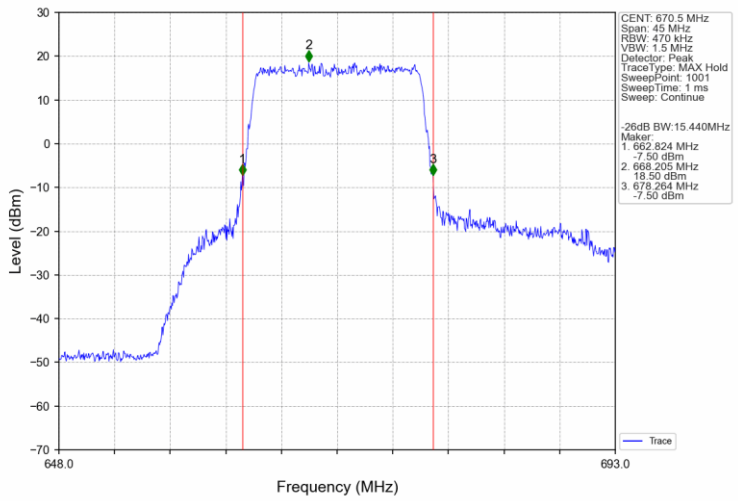
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



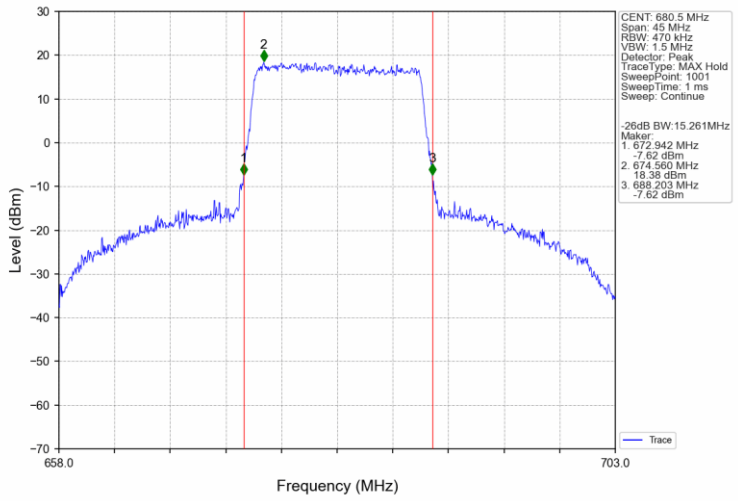
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



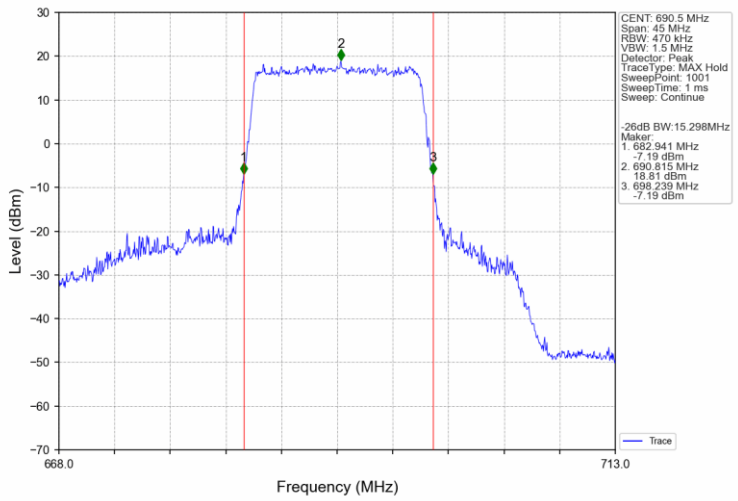
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



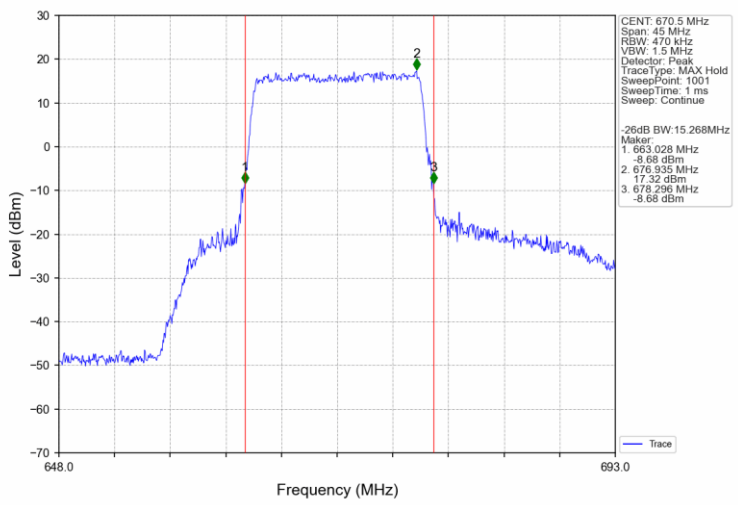
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



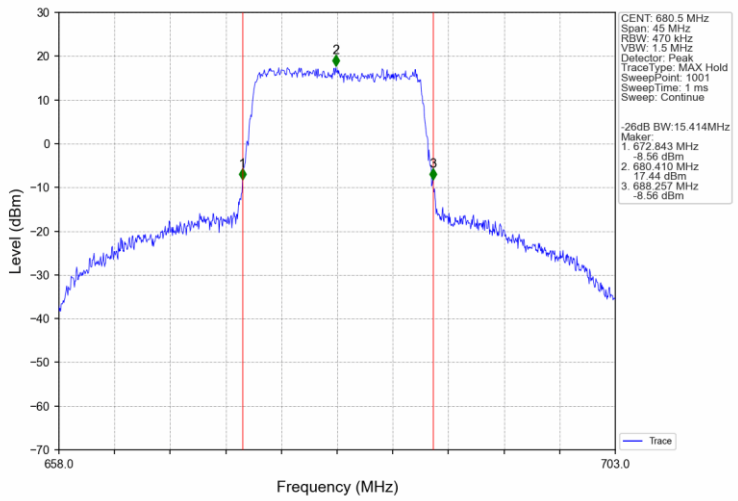
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



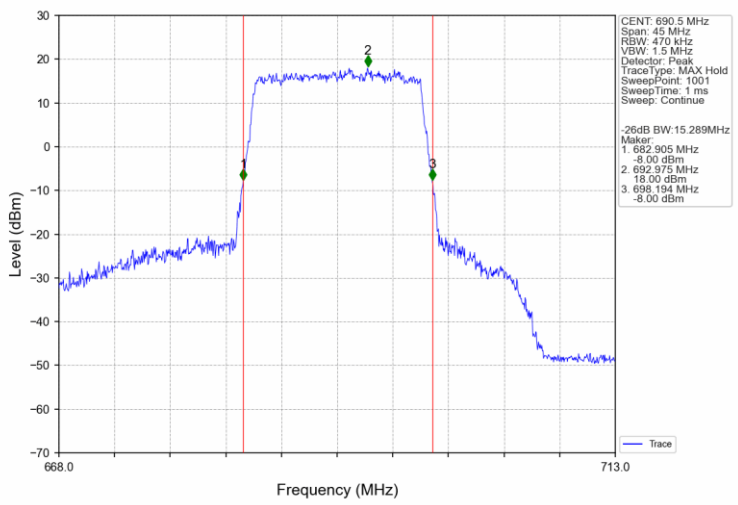
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



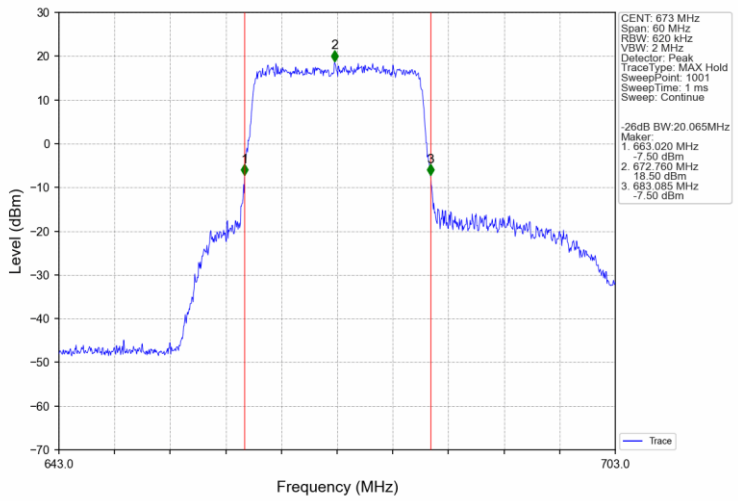
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



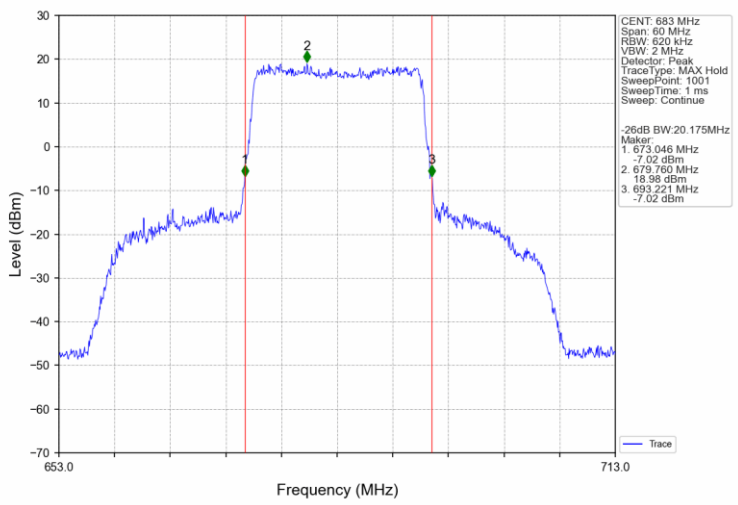
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



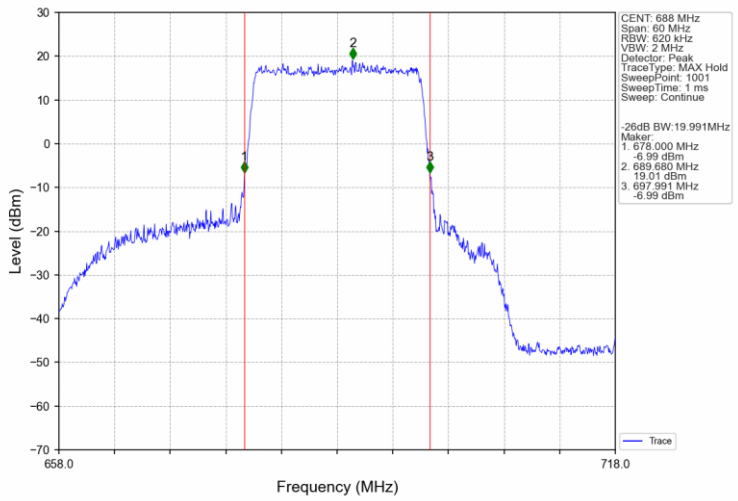
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



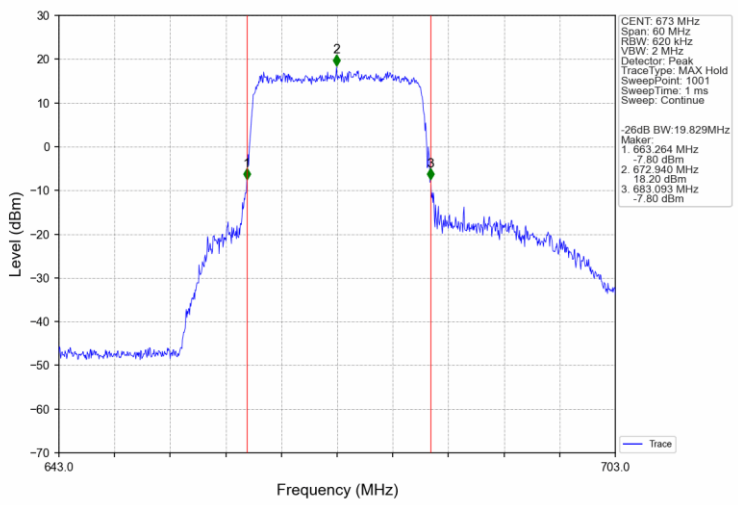
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



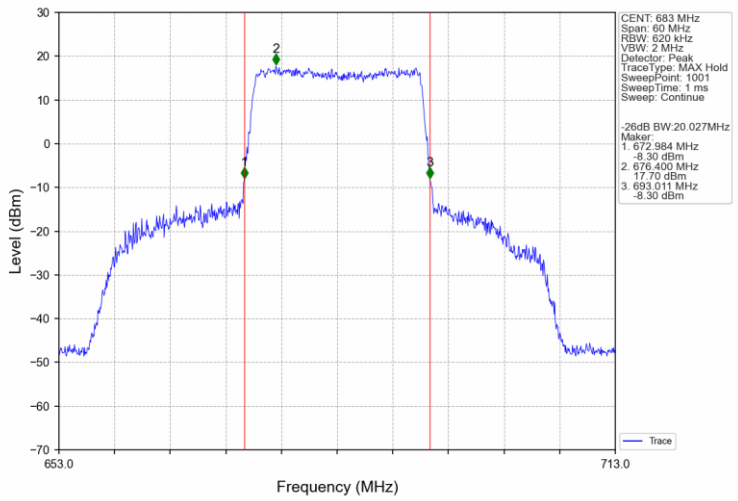
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



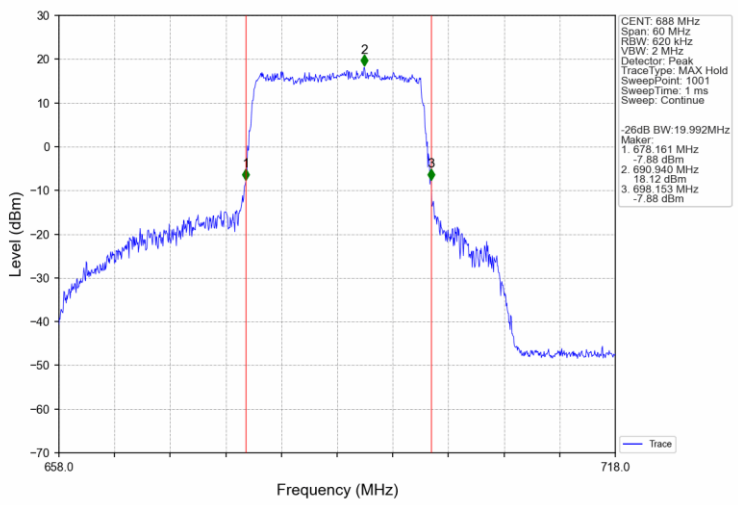
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



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	5.50	<=13	Pass
	680.5	25	0	5.10	<=13	Pass
	695.5	25	0	5.50	<=13	Pass
16QAM	665.5	25	0	6.25	<=13	Pass
	680.5	25	0	5.82	<=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	5.51	<=13	Pass
	680.5	50	0	5.17	<=13	Pass
	693	50	0	5.50	<=13	Pass
16QAM	668	50	0	6.29	<=13	Pass
	680.5	50	0	5.93	<=13	Pass
	693	50	0	6.25	<=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	5.17	<=13	Pass
	680.5	75	0	5.14	<=13	Pass
	690.5	75	0	5.07	<=13	Pass
16QAM	670.5	75	0	6.20	<=13	Pass
	680.5	75	0	6.06	<=13	Pass
	690.5	75	0	6.14	<=13	Pass

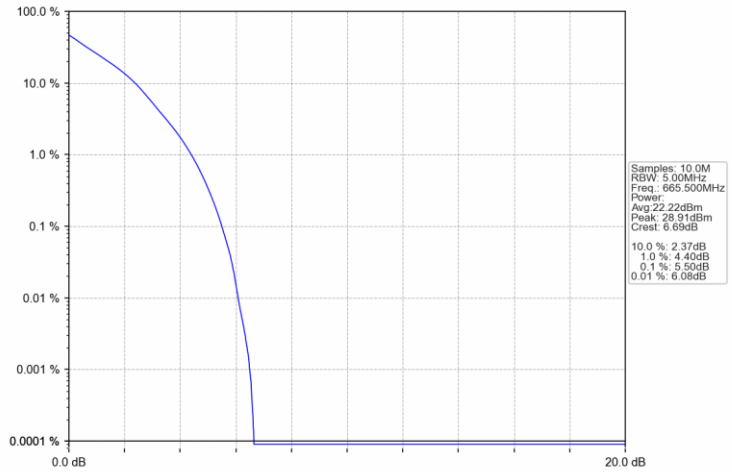
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.67	<=13	Pass
	683	100	0	5.69	<=13	Pass
	688	100	0	5.66	<=13	Pass
16QAM	673	100	0	6.60	<=13	Pass
	683	100	0	6.64	<=13	Pass
	688	100	0	6.60	<=13	Pass

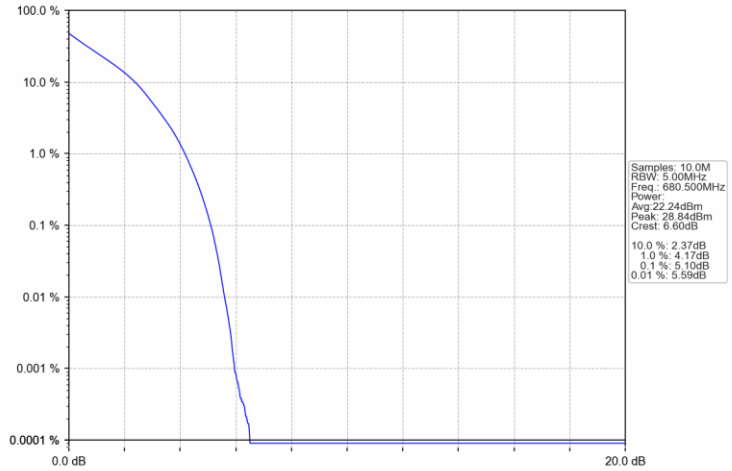
5.2 Test Graph

5.2.1 B71_5MHz

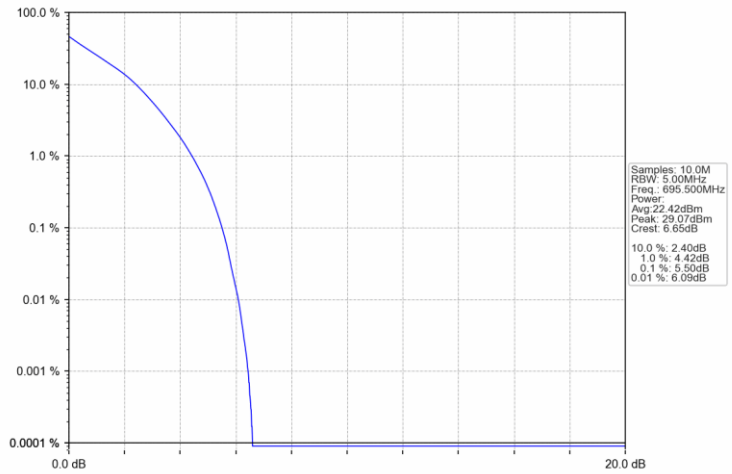
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



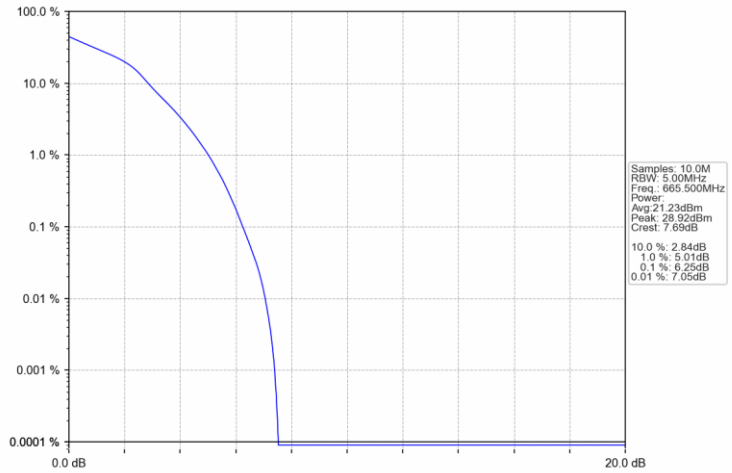
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



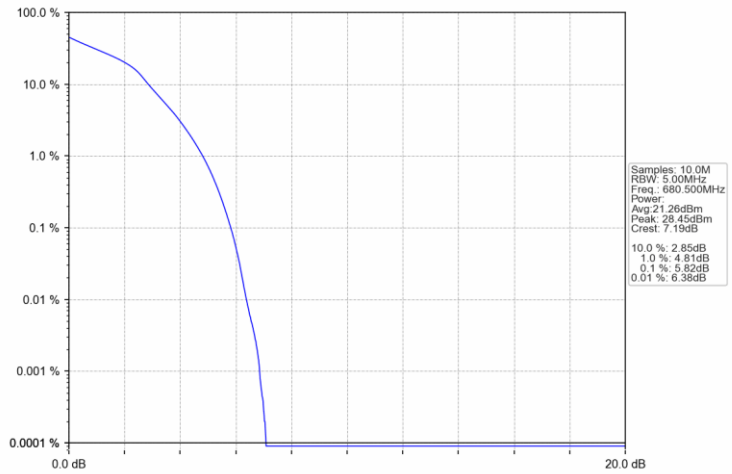
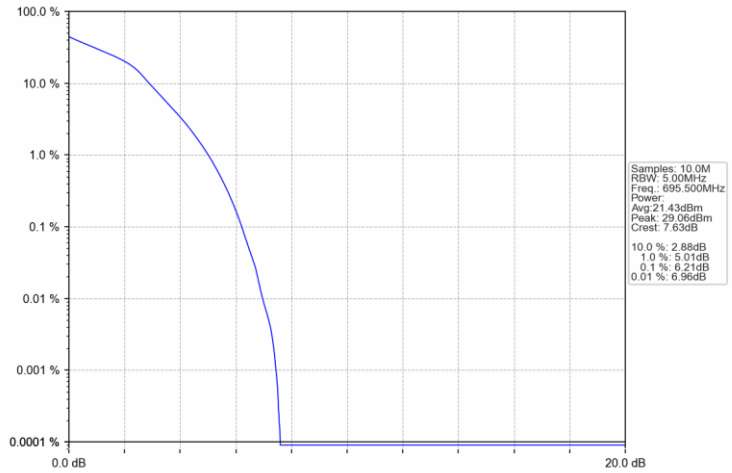
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



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