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	23.16	-5.41	15.60	<=34.77	Pass
			13	23.34	-5.41	15.78	<=34.77	Pass
			24	23.38	-5.41	15.82	<=34.77	Pass
		12	0	22.05	-5.41	14.49	<=34.77	Pass
			6	22.13	-5.41	14.57	<=34.77	Pass
			13	22.10	-5.41	14.54	<=34.77	Pass
		25	0	22.08	-5.41	14.52	<=34.77	Pass
	680.5	1	0	23.14	-5.41	15.58	<=34.77	Pass
			13	23.20	-5.41	15.64	<=34.77	Pass
			24	23.16	-5.41	15.60	<=34.77	Pass
		12	0	22.13	-5.41	14.57	<=34.77	Pass
			6	22.01	-5.41	14.45	<=34.77	Pass
			13	22.03	-5.41	14.47	<=34.77	Pass
		25	0	22.11	-5.41	14.55	<=34.77	Pass
	695.5	1	0	23.00	-5.41	15.44	<=34.77	Pass
			13	23.01	-5.41	15.45	<=34.77	Pass
			24	23.00	-5.41	15.44	<=34.77	Pass
		12	0	22.09	-5.41	14.53	<=34.77	Pass
			6	21.94	-5.41	14.38	<=34.77	Pass
			13	21.83	-5.41	14.27	<=34.77	Pass
		25	0	22.01	-5.41	14.45	<=34.77	Pass
16QAM	665.5	1	0	22.28	-5.41	14.72	<=34.77	Pass
			13	22.38	-5.41	14.82	<=34.77	Pass
			24	22.35	-5.41	14.79	<=34.77	Pass
		12	0	21.07	-5.41	13.51	<=34.77	Pass
			6	21.17	-5.41	13.61	<=34.77	Pass
			13	21.13	-5.41	13.57	<=34.77	Pass
		25	0	21.14	-5.41	13.58	<=34.77	Pass
	680.5	1	0	21.99	-5.41	14.43	<=34.77	Pass
			13	22.01	-5.41	14.45	<=34.77	Pass
			24	22.03	-5.41	14.47	<=34.77	Pass
		12	0	21.17	-5.41	13.61	<=34.77	Pass
			6	21.00	-5.41	13.44	<=34.77	Pass
			13	21.05	-5.41	13.49	<=34.77	Pass
		25	0	21.11	-5.41	13.55	<=34.77	Pass
	695.5	1	0	22.02	-5.41	14.46	<=34.77	Pass
			13	22.06	-5.41	14.50	<=34.77	Pass
			24	22.10	-5.41	14.54	<=34.77	Pass
		12	0	21.16	-5.41	13.60	<=34.77	Pass
			6	21.00	-5.41	13.44	<=34.77	Pass
			13	20.91	-5.41	13.35	<=34.77	Pass
		25	0	20.95	-5.41	13.39	<=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	22.86	-5.41	15.30	<=34.77	Pass
			25	22.98	-5.41	15.42	<=34.77	Pass
			49	22.99	-5.41	15.43	<=34.77	Pass
		25	0	22.04	-5.41	14.48	<=34.77	Pass
			13	22.08	-5.41	14.52	<=34.77	Pass
			25	22.25	-5.41	14.69	<=34.77	Pass
		50	0	22.16	-5.41	14.60	<=34.77	Pass
	680.5	1	0	22.92	-5.41	15.36	<=34.77	Pass
			25	22.99	-5.41	15.43	<=34.77	Pass
			49	22.97	-5.41	15.41	<=34.77	Pass
		25	0	22.14	-5.41	14.58	<=34.77	Pass
			13	22.04	-5.41	14.48	<=34.77	Pass
			25	22.00	-5.41	14.44	<=34.77	Pass
		50	0	22.14	-5.41	14.58	<=34.77	Pass
	693	1	0	23.00	-5.41	15.44	<=34.77	Pass
			25	22.98	-5.41	15.42	<=34.77	Pass
			49	23.02	-5.41	15.46	<=34.77	Pass
		25	0	21.96	-5.41	14.40	<=34.77	Pass
			13	21.97	-5.41	14.41	<=34.77	Pass
			25	21.77	-5.41	14.21	<=34.77	Pass
		50	0	21.89	-5.41	14.33	<=34.77	Pass
16QAM	668	1	0	22.17	-5.41	14.61	<=34.77	Pass
			25	22.24	-5.41	14.68	<=34.77	Pass
			49	22.21	-5.41	14.65	<=34.77	Pass
		25	0	21.05	-5.41	13.49	<=34.77	Pass
			13	21.08	-5.41	13.52	<=34.77	Pass
			25	21.23	-5.41	13.67	<=34.77	Pass
		50	0	21.15	-5.41	13.59	<=34.77	Pass
	680.5	1	0	21.91	-5.41	14.35	<=34.77	Pass
			25	21.93	-5.41	14.37	<=34.77	Pass
			49	21.88	-5.41	14.32	<=34.77	Pass
		25	0	21.17	-5.41	13.61	<=34.77	Pass
			13	21.09	-5.41	13.53	<=34.77	Pass
			25	21.02	-5.41	13.46	<=34.77	Pass
		50	0	21.12	-5.41	13.56	<=34.77	Pass
	693	1	0	22.13	-5.41	14.57	<=34.77	Pass
			25	22.19	-5.41	14.63	<=34.77	Pass
			49	22.14	-5.41	14.58	<=34.77	Pass
		25	0	20.95	-5.41	13.39	<=34.77	Pass
			13	20.94	-5.41	13.38	<=34.77	Pass
			25	20.69	-5.41	13.13	<=34.77	Pass
		50	0	20.85	-5.41	13.29	<=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	22.80	-5.41	15.24	<=34.77	Pass
			38	22.95	-5.41	15.39	<=34.77	Pass
			74	22.94	-5.41	15.38	<=34.77	Pass
		36	0	21.90	-5.41	14.34	<=34.77	Pass
			18	21.94	-5.41	14.38	<=34.77	Pass
			39	21.99	-5.41	14.43	<=34.77	Pass

		75	0	21.94	-5.41	14.38	<=34.77	Pass
	680.5	1	0	22.83	-5.41	15.27	<=34.77	Pass
			38	22.95	-5.41	15.39	<=34.77	Pass
			74	22.88	-5.41	15.32	<=34.77	Pass
		36	0	21.99	-5.41	14.43	<=34.77	Pass
			18	21.99	-5.41	14.43	<=34.77	Pass
			39	22.00	-5.41	14.44	<=34.77	Pass
		75	0	22.04	-5.41	14.48	<=34.77	Pass
	690.5	1	0	22.91	-5.41	15.35	<=34.77	Pass
			38	23.04	-5.41	15.48	<=34.77	Pass
			74	22.95	-5.41	15.39	<=34.77	Pass
		36	0	21.86	-5.41	14.30	<=34.77	Pass
			18	21.95	-5.41	14.39	<=34.77	Pass
			39	21.83	-5.41	14.27	<=34.77	Pass
		75	0	21.88	-5.41	14.32	<=34.77	Pass
16QAM	670.5	1	0	22.17	-5.41	14.61	<=34.77	Pass
			38	22.28	-5.41	14.72	<=34.77	Pass
			74	22.18	-5.41	14.62	<=34.77	Pass
		36	0	20.99	-5.41	13.43	<=34.77	Pass
			18	21.00	-5.41	13.44	<=34.77	Pass
			39	21.07	-5.41	13.51	<=34.77	Pass
		75	0	20.95	-5.41	13.39	<=34.77	Pass
	680.5	1	0	21.81	-5.41	14.25	<=34.77	Pass
			38	21.91	-5.41	14.35	<=34.77	Pass
			74	21.81	-5.41	14.25	<=34.77	Pass
		36	0	20.97	-5.41	13.41	<=34.77	Pass
			18	20.96	-5.41	13.40	<=34.77	Pass
			39	20.99	-5.41	13.43	<=34.77	Pass
		75	0	21.08	-5.41	13.52	<=34.77	Pass
	690.5	1	0	22.03	-5.41	14.47	<=34.77	Pass
			38	22.17	-5.41	14.61	<=34.77	Pass
			74	22.10	-5.41	14.54	<=34.77	Pass
		36	0	20.86	-5.41	13.30	<=34.77	Pass
			18	20.93	-5.41	13.37	<=34.77	Pass
			39	20.78	-5.41	13.22	<=34.77	Pass
		75	0	20.83	-5.41	13.27	<=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	22.66	-5.41	15.10	<=34.77	Pass
			50	22.80	-5.41	15.24	<=34.77	Pass
			99	22.73	-5.41	15.17	<=34.77	Pass
		50	0	21.79	-5.41	14.23	<=34.77	Pass
			25	21.99	-5.41	14.43	<=34.77	Pass
			50	21.81	-5.41	14.25	<=34.77	Pass
		100	0	21.81	-5.41	14.25	<=34.77	Pass
	683	1	0	22.94	-5.41	15.38	<=34.77	Pass
			50	23.10	-5.41	15.54	<=34.77	Pass
			99	23.03	-5.41	15.47	<=34.77	Pass
		50	0	22.17	-5.41	14.61	<=34.77	Pass
			25	22.00	-5.41	14.44	<=34.77	Pass
			50	22.07	-5.41	14.51	<=34.77	Pass
		100	0	22.16	-5.41	14.60	<=34.77	Pass

	688	1	0	22.82	-5.41	15.26	<=34.77	Pass
			50	22.88	-5.41	15.32	<=34.77	Pass
			99	22.80	-5.41	15.24	<=34.77	Pass
		50	0	21.91	-5.41	14.35	<=34.77	Pass
			25	21.98	-5.41	14.42	<=34.77	Pass
			50	21.79	-5.41	14.23	<=34.77	Pass
		100	0	21.83	-5.41	14.27	<=34.77	Pass
16QAM	673	1	0	22.02	-5.41	14.46	<=34.77	Pass
			50	22.07	-5.41	14.51	<=34.77	Pass
			99	21.99	-5.41	14.43	<=34.77	Pass
		50	0	20.81	-5.41	13.25	<=34.77	Pass
			25	21.02	-5.41	13.46	<=34.77	Pass
			50	20.81	-5.41	13.25	<=34.77	Pass
		100	0	20.76	-5.41	13.20	<=34.77	Pass
	683	1	0	22.03	-5.41	14.47	<=34.77	Pass
			50	22.19	-5.41	14.63	<=34.77	Pass
			99	22.06	-5.41	14.50	<=34.77	Pass
		50	0	21.12	-5.41	13.56	<=34.77	Pass
			25	20.99	-5.41	13.43	<=34.77	Pass
			50	21.09	-5.41	13.53	<=34.77	Pass
		100	0	21.13	-5.41	13.57	<=34.77	Pass
	688	1	0	22.05	-5.41	14.49	<=34.77	Pass
			50	22.15	-5.41	14.59	<=34.77	Pass
			99	22.08	-5.41	14.52	<=34.77	Pass
		50	0	20.87	-5.41	13.31	<=34.77	Pass
			25	20.99	-5.41	13.43	<=34.77	Pass
			50	20.80	-5.41	13.24	<=34.77	Pass
		100	0	20.83	-5.41	13.27	<=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	-2.732	-0.0041	-2.5 to 2.5	Pass
					3.85	-3.920	-0.0059	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.189	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-1.330	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-1.173	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.602	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0043	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.059	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0051	-2.5 to 2.5	Pass

				0	3.85	-2.174	-0.0032	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0022	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0003	-2.5 to 2.5	Pass
				50	3.85	2.346	0.0034	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	2.160	0.0031	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-2.003	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-3.533	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-2.160	-0.0031	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-1.173	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.262	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-6.437	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.702	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-3.390	-0.0051	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-7.052	-0.0104	-2.5 to 2.5	Pass
					3.85	-3.390	-0.0050	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0042	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.362	-0.0049	-2.5 to 2.5	Pass
				30	3.85	1.159	0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.935	-0.0073	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0004	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-2.346	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.103	-0.0030	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.663	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-2.904	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-3.977	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-1.588	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.689	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0094	-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	-2.804	-0.0042	-2.5 to 2.5	Pass
					3.85	-4.163	-0.0062	-2.5 to 2.5	Pass

					4.43	-3.834	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-5.193	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-2.303	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.918	-0.0044	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.402	-0.0021	-2.5 to 2.5	Pass
					3.85	-4.807	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-2.589	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-2.589	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.689	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
	693	50	0	20	3.27	0.243	0.0004	-2.5 to 2.5	Pass
					3.85	0.644	0.0009	-2.5 to 2.5	Pass
					4.43	0.858	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.418	0.0035	-2.5 to 2.5	Pass
				-20	3.85	1.945	0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.559	0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.059	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-3.061	-0.0046	-2.5 to 2.5	Pass
					3.85	-2.990	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.161	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-4.506	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-2.847	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-1.931	-0.0029	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.688	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.877	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-3.119	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-4.892	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-1.702	-0.0025	-2.5 to 2.5	Pass
	693	50	0	20	3.27	0.901	0.0013	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.059	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.245	0.0018	-2.5 to 2.5	Pass

				0	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.788	0.0026	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.890	0.0042	-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	-3.848	-0.0057	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0057	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.645	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-2.532	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-3.891	-0.0058	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-4.106	-0.0060	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0034	-2.5 to 2.5	Pass
					4.43	-4.134	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-3.061	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.992	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-1.416	-0.0021	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-4.992	-0.0072	-2.5 to 2.5	Pass
					3.85	-3.977	-0.0058	-2.5 to 2.5	Pass
					4.43	-2.174	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-2.418	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.519	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-1.831	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-3.047	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.735	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.505	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-4.549	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-5.994	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-3.891	-0.0057	-2.5 to 2.5	Pass
					3.85	-3.362	-0.0049	-2.5 to 2.5	Pass

					4.43	-4.148	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.520	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0062	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	0.157	0.0002	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0021	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-4.892	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-3.319	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-4.277	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-2.546	-0.0037	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				40	3.85	-2.489	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0055	-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	-1.330	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.389	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.292	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-4.921	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-2.918	-0.0043	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-2.575	-0.0038	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.259	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.177	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.847	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-2.103	-0.0031	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-2.332	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-2.818	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-3.920	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.147	-0.0046	-2.5 to 2.5	Pass

				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.416	-0.0021	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-3.376	-0.0050	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0054	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.945	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.260	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-4.034	-0.0060	-2.5 to 2.5	Pass
	683	100	0	20	3.27	1.359	0.0020	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.303	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-3.219	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0055	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				50	3.85	-3.591	-0.0053	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-3.419	-0.0050	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0057	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-1.674	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-3.791	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0028	-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

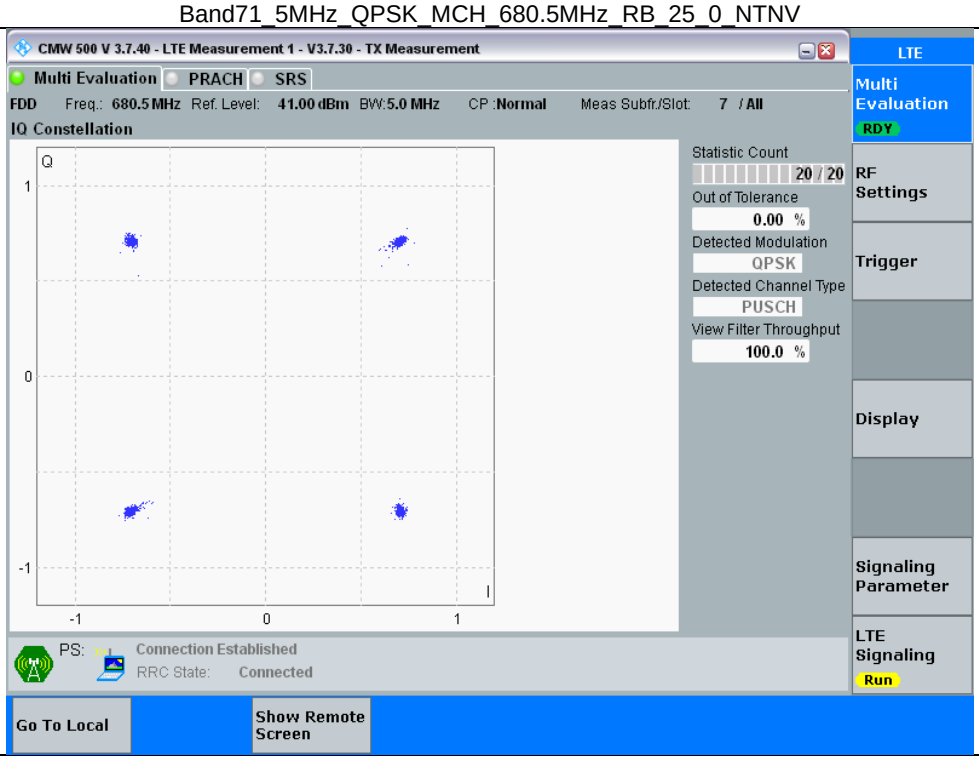
3.1.4 B71_20MHz

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

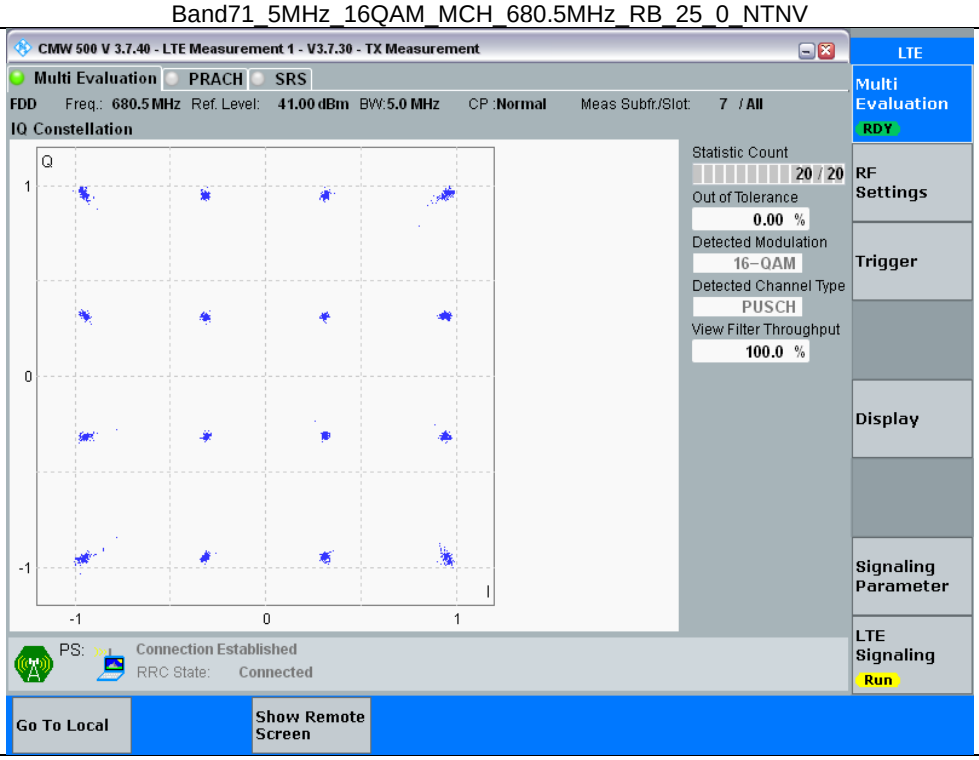
3.2 Test Graph

3.2.1 B71_5MHz

Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV

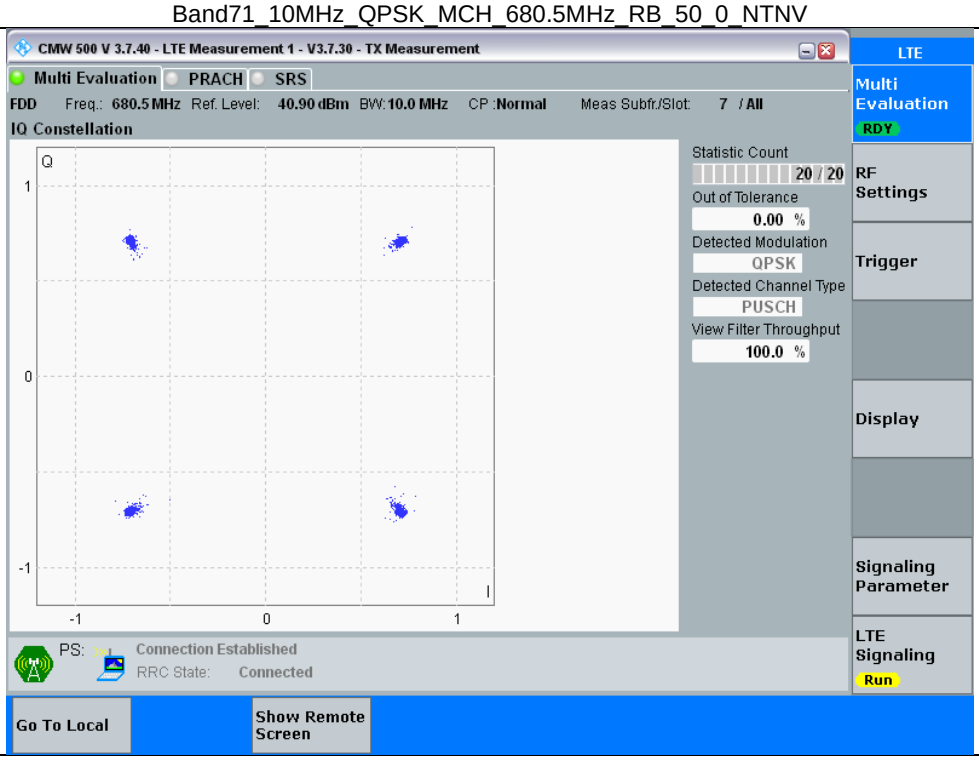


Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV

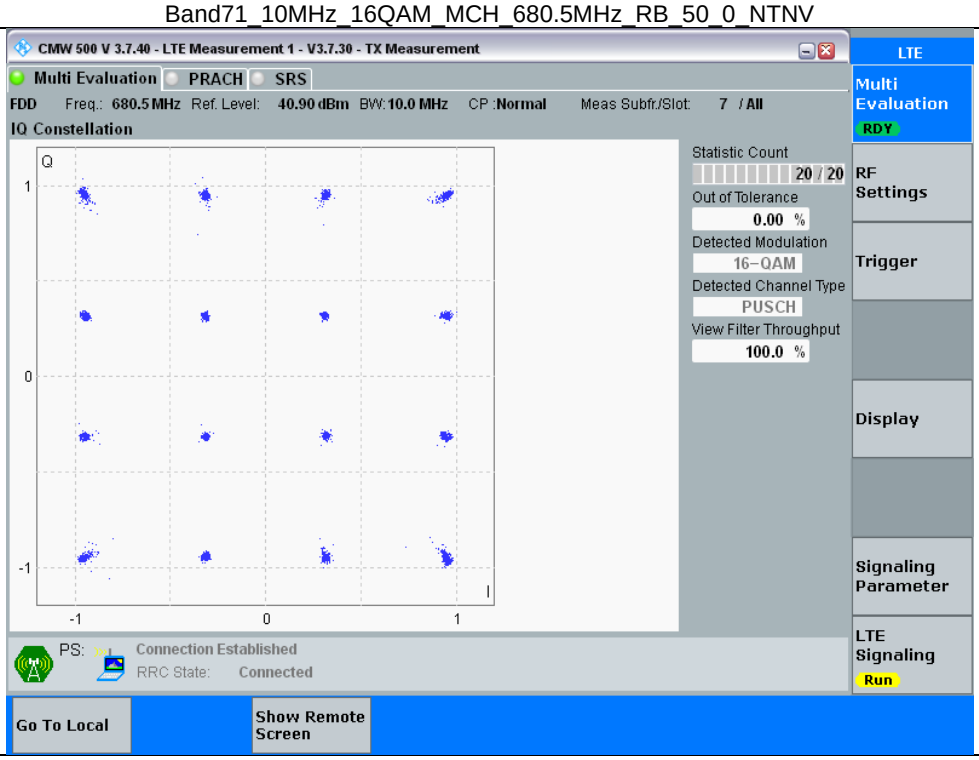


3.2.2 B71_10MHz

Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV

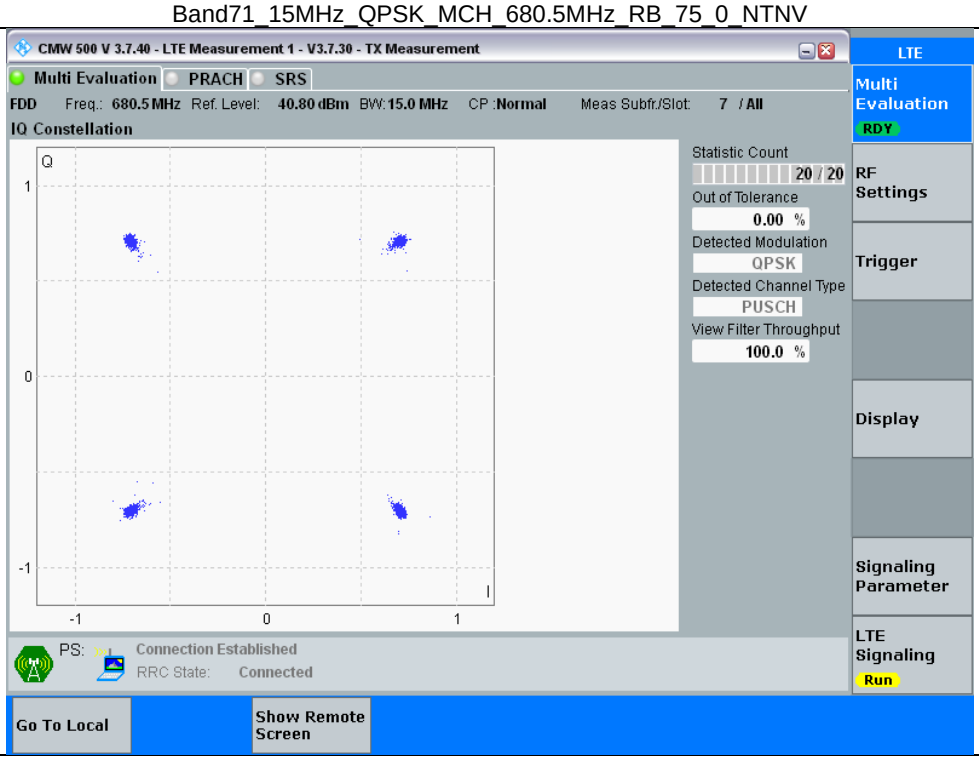


Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV

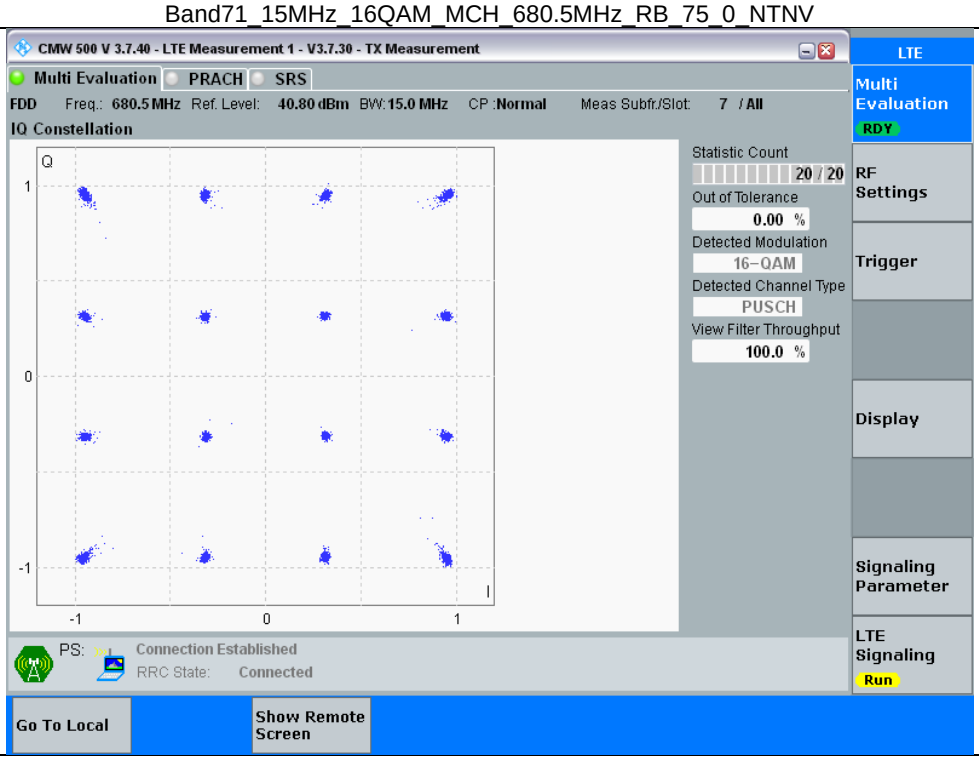


3.2.3 B71_15MHz

Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV

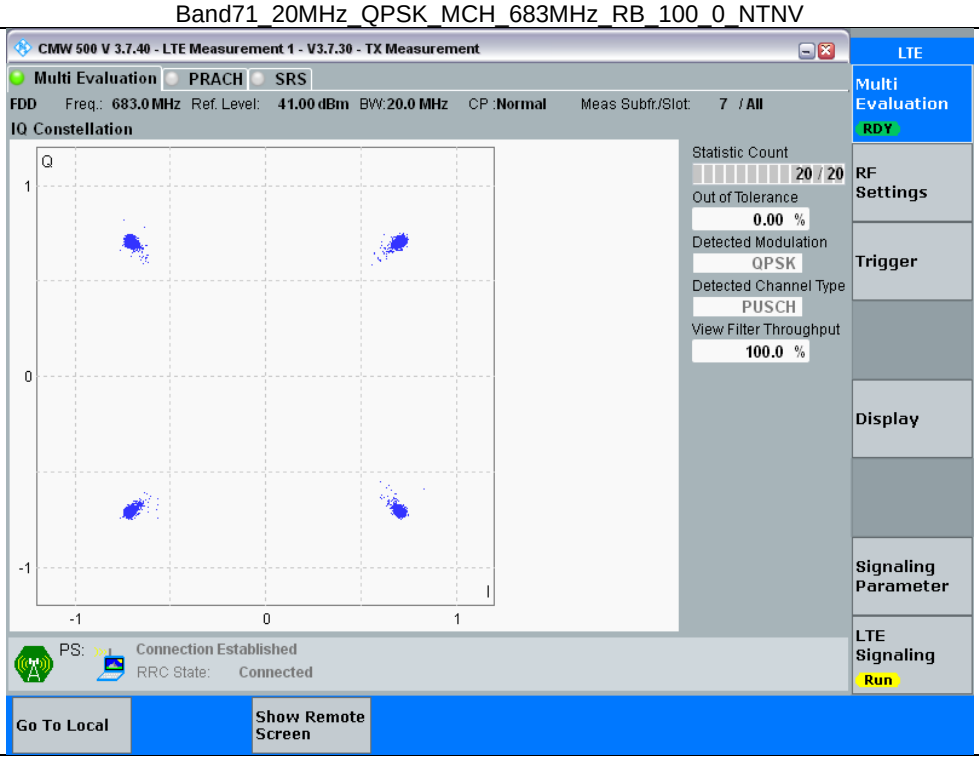


Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV

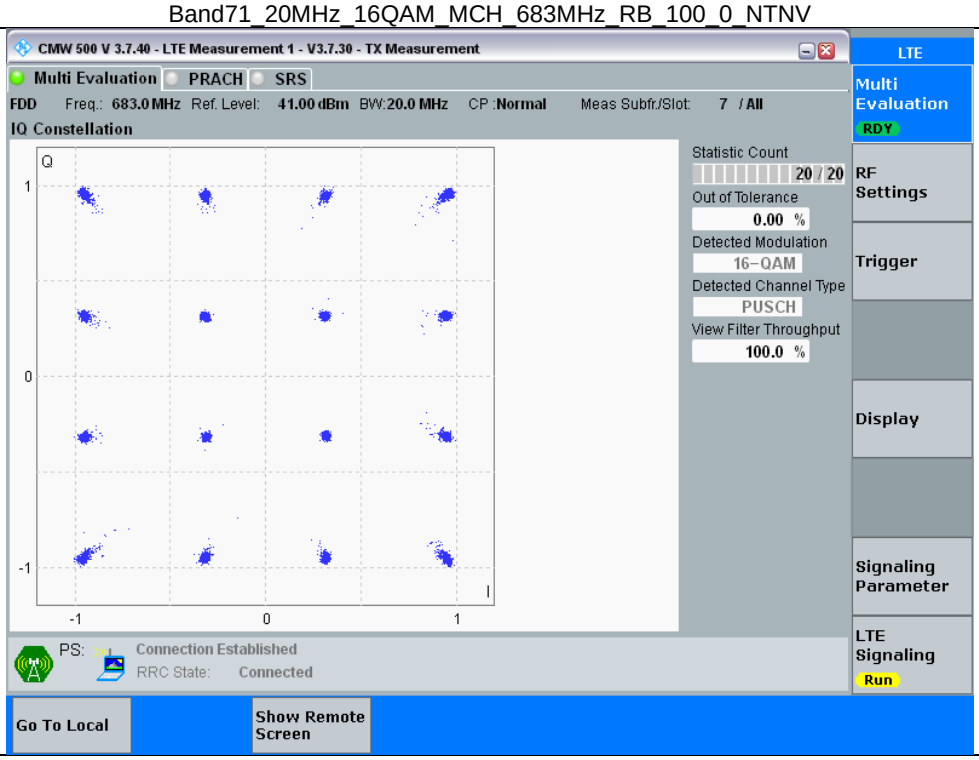


3.2.4 B71_20MHz

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	4.529	/	Pass
		680.5	25	0	4.553	/	Pass
		695.5	25	0	4.566	/	Pass
	16QAM	665.5	25	0	4.529	/	Pass
		680.5	25	0	4.571	/	Pass
		695.5	25	0	4.558	/	Pass
10	QPSK	668	50	0	9.034	/	Pass
		680.5	50	0	9.077	/	Pass
		693	50	0	9.064	/	Pass
	16QAM	668	50	0	9.025	/	Pass
		680.5	50	0	9.054	/	Pass
		693	50	0	9.049	/	Pass
15	QPSK	670.5	75	0	13.510	/	Pass
		680.5	75	0	13.598	/	Pass
		690.5	75	0	13.533	/	Pass
	16QAM	670.5	75	0	13.529	/	Pass
		680.5	75	0	13.631	/	Pass
		690.5	75	0	13.558	/	Pass
20	QPSK	673	100	0	18.038	/	Pass
		683	100	0	18.115	/	Pass
		688	100	0	18.021	/	Pass
	16QAM	673	100	0	18.018	/	Pass
		683	100	0	18.132	/	Pass
		688	100	0	18.077	/	Pass

4.1.2 Band71_XDB

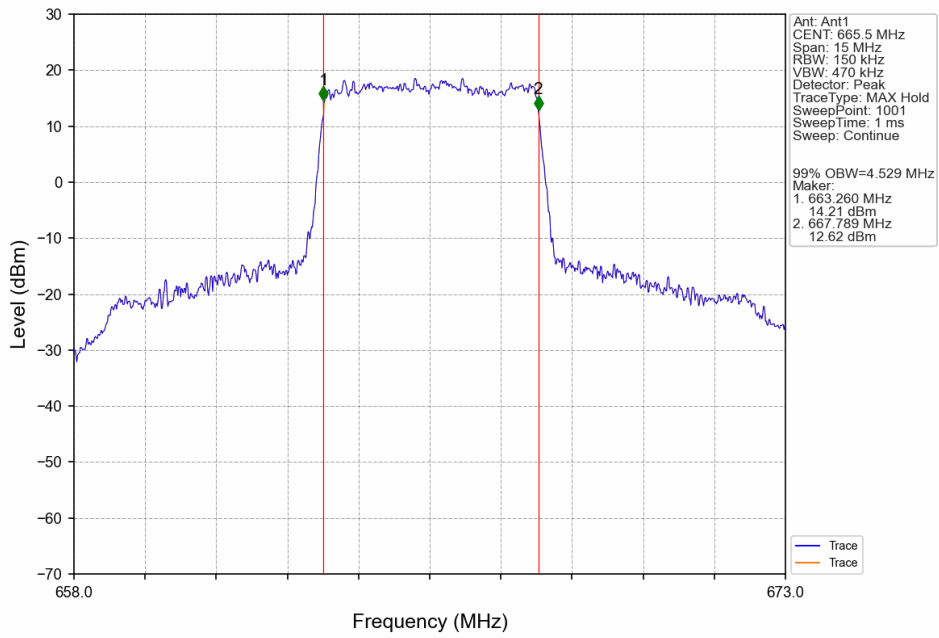
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.010	/	Pass
		680.5	25	0	5.054	/	Pass
		695.5	25	0	5.028	/	Pass
	16QAM	665.5	25	0	5.119	/	Pass
		680.5	25	0	5.034	/	Pass
		695.5	25	0	5.008	/	Pass
10	QPSK	668	50	0	9.873	/	Pass
		680.5	50	0	9.925	/	Pass
		693	50	0	9.941	/	Pass
	16QAM	668	50	0	9.911	/	Pass
		680.5	50	0	9.900	/	Pass
		693	50	0	9.907	/	Pass
15	QPSK	670.5	75	0	14.925	/	Pass
		680.5	75	0	14.951	/	Pass
		690.5	75	0	14.845	/	Pass

	16QAM	670.5	75	0	14.790	/	Pass
		680.5	75	0	15.006	/	Pass
		690.5	75	0	14.867	/	Pass
20	QPSK	673	100	0	19.583	/	Pass
		683	100	0	19.806	/	Pass
		688	100	0	19.690	/	Pass
	16QAM	673	100	0	19.612	/	Pass
		683	100	0	19.733	/	Pass
		688	100	0	19.748	/	Pass

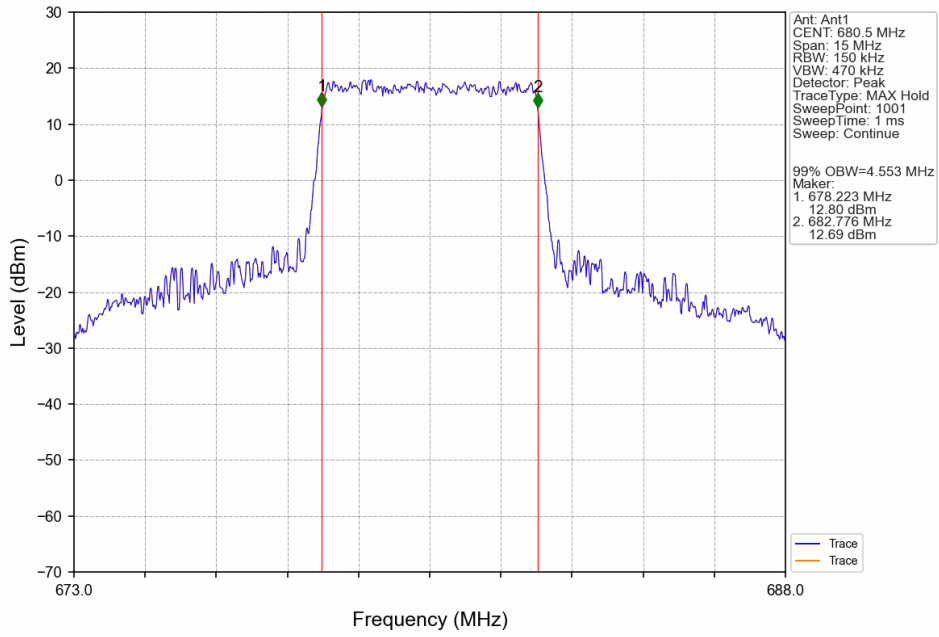
4.2 Test Graph

4.2.1 Band71_OBW

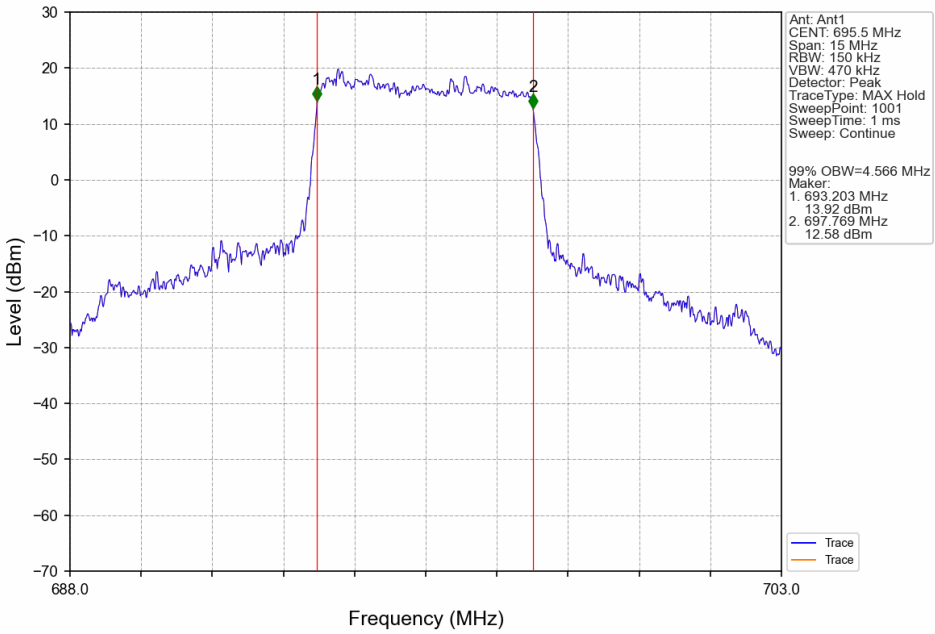
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



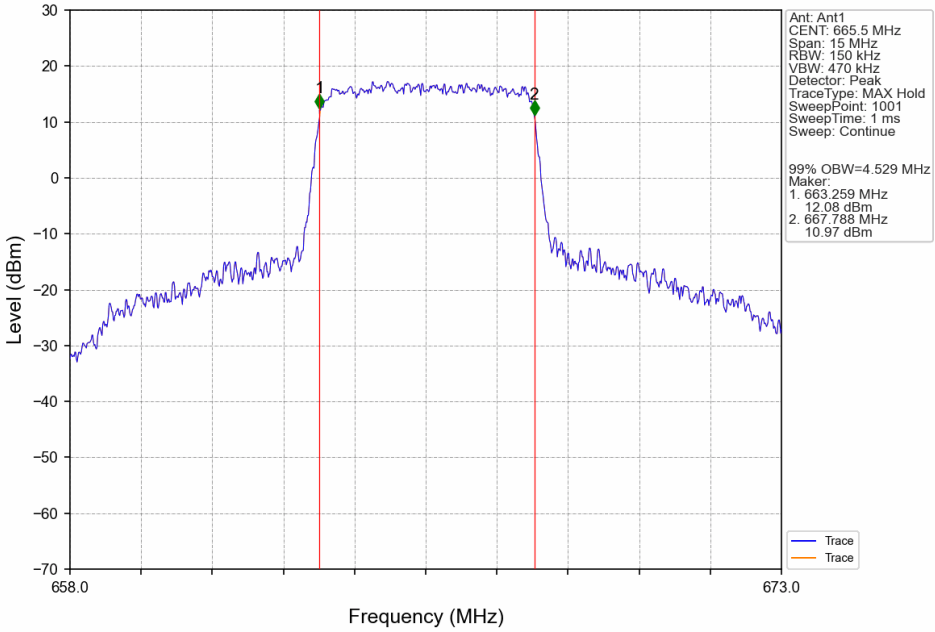
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



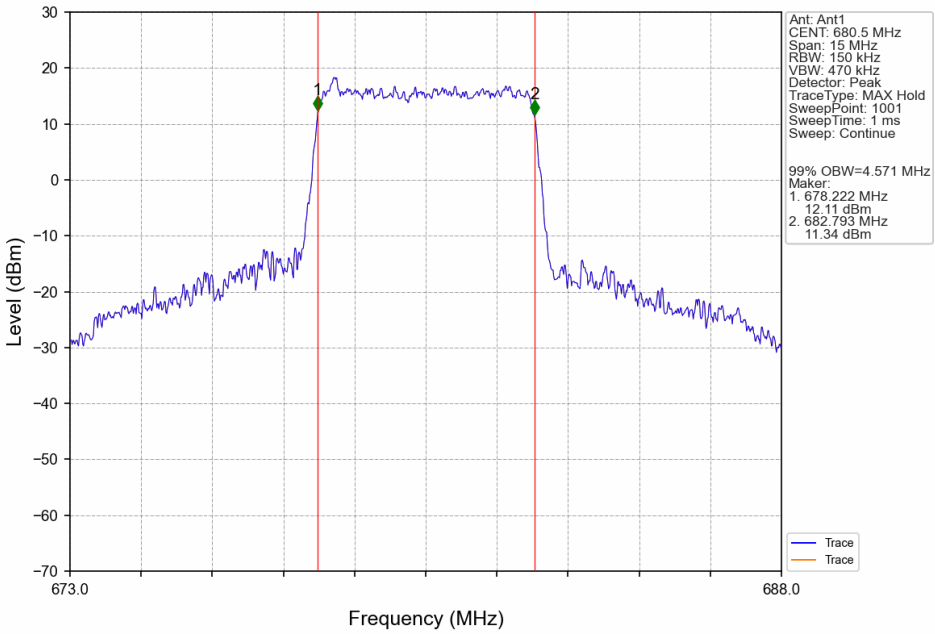
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



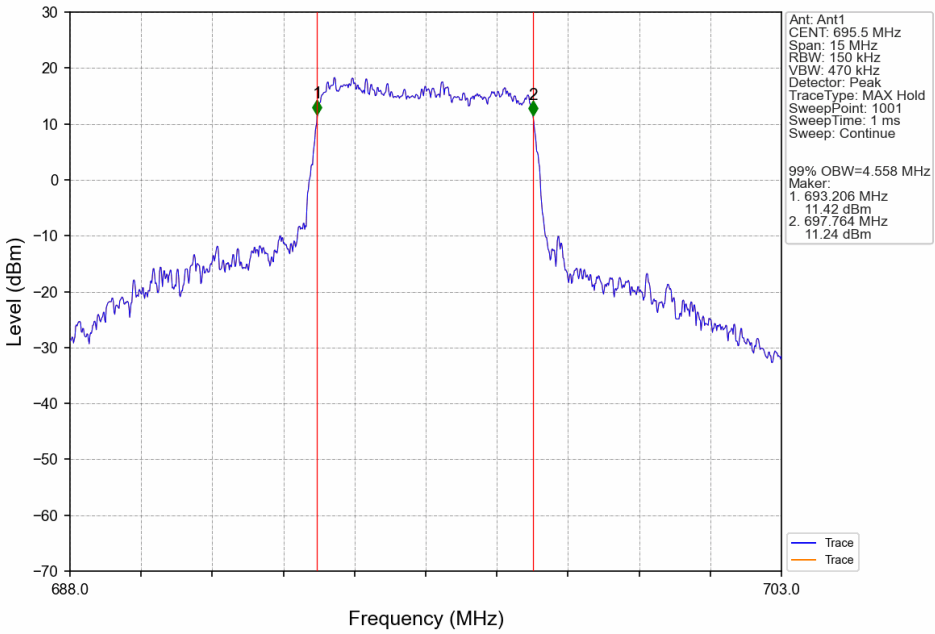
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



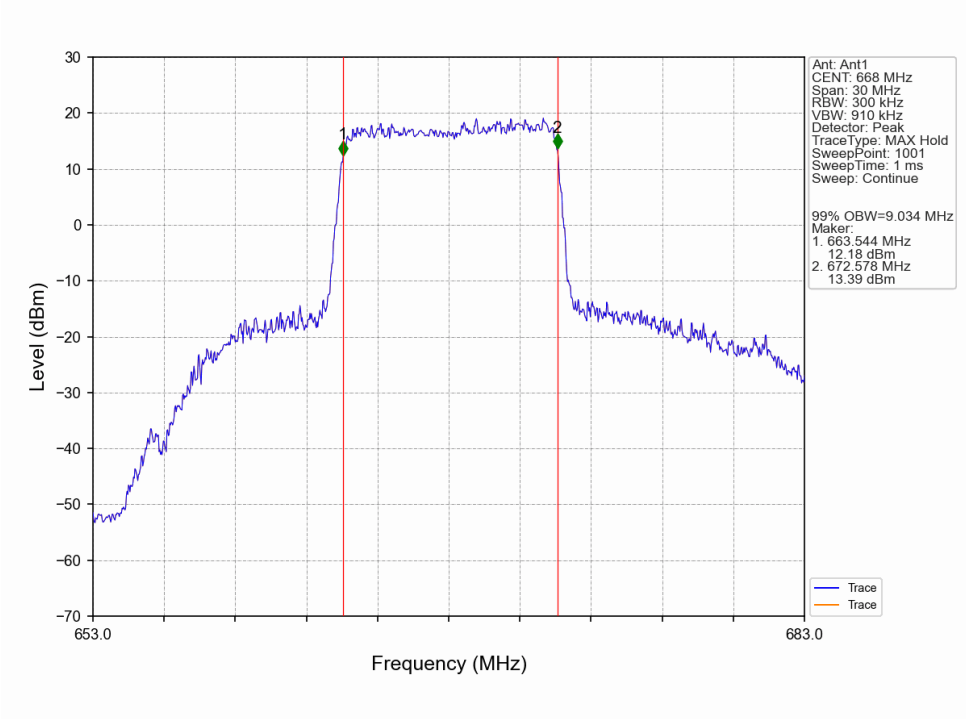
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



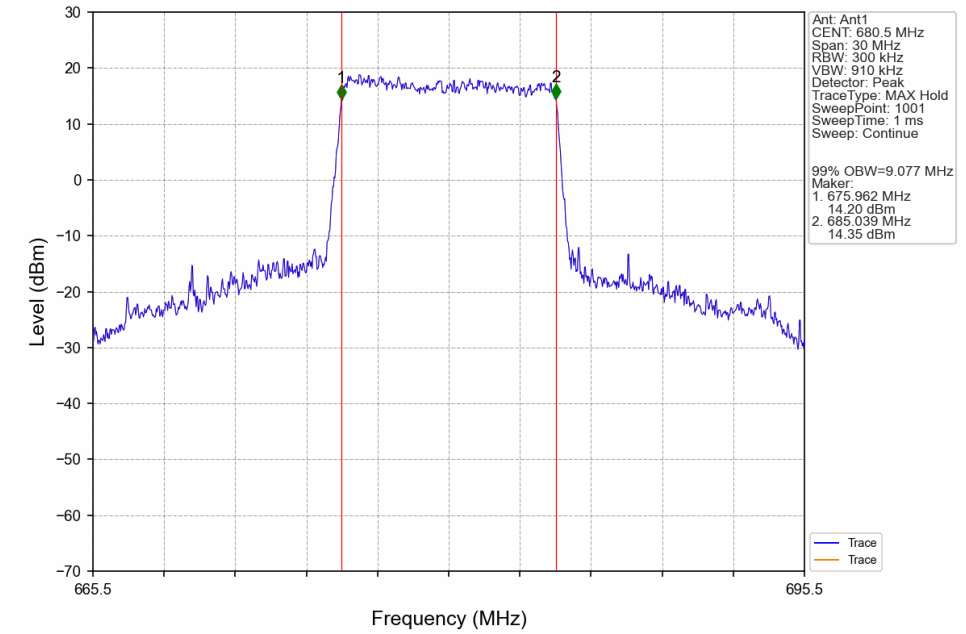
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



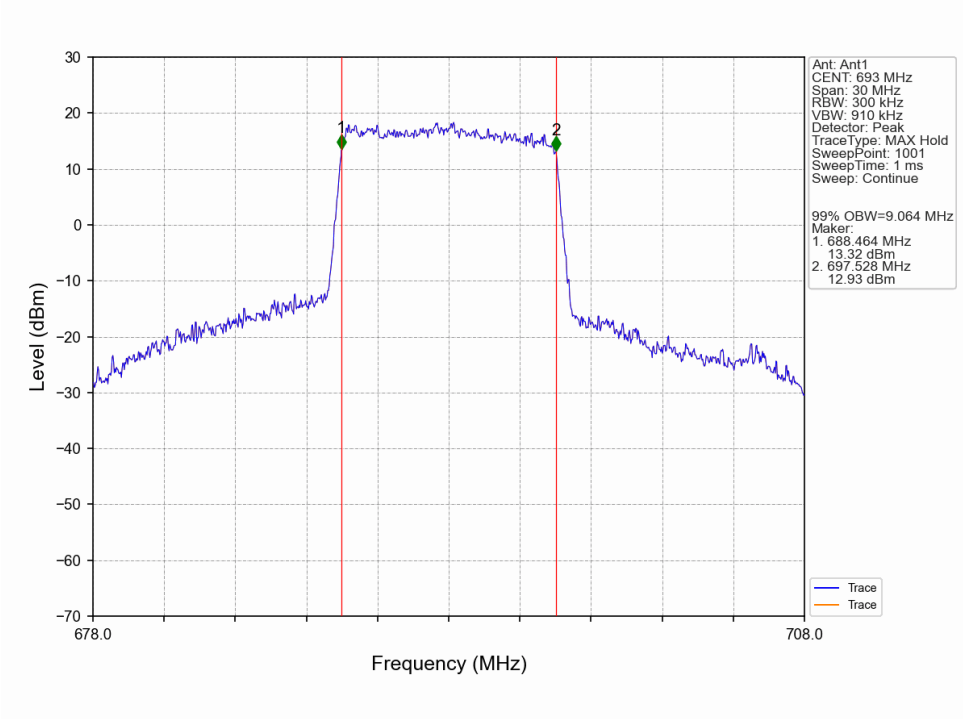
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



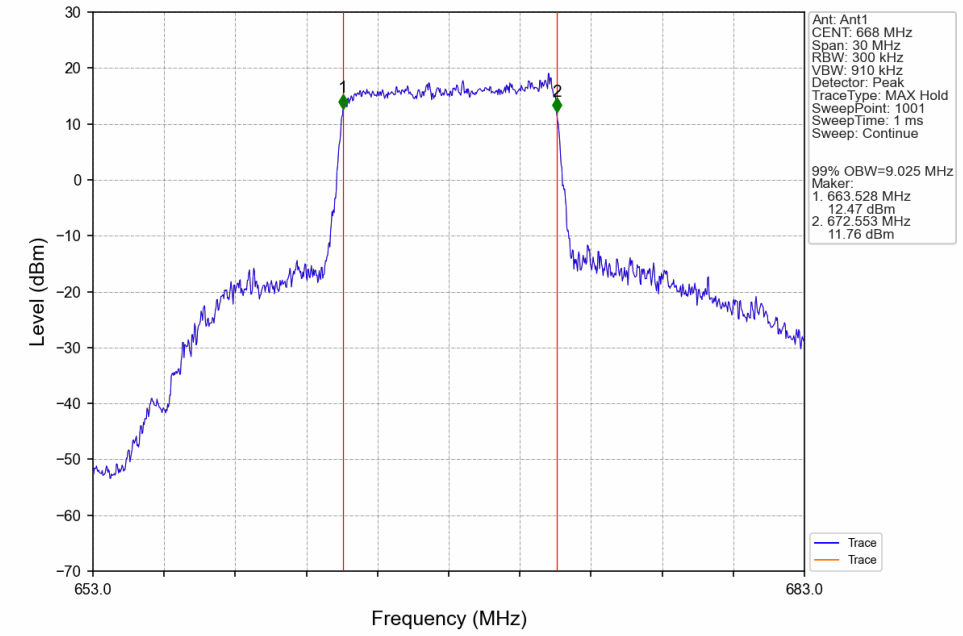
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



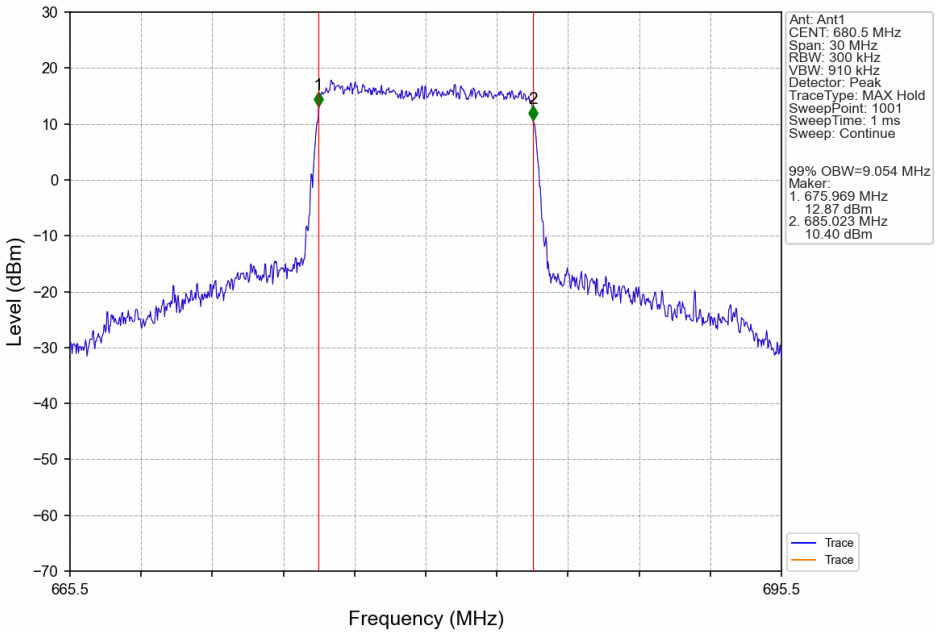
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



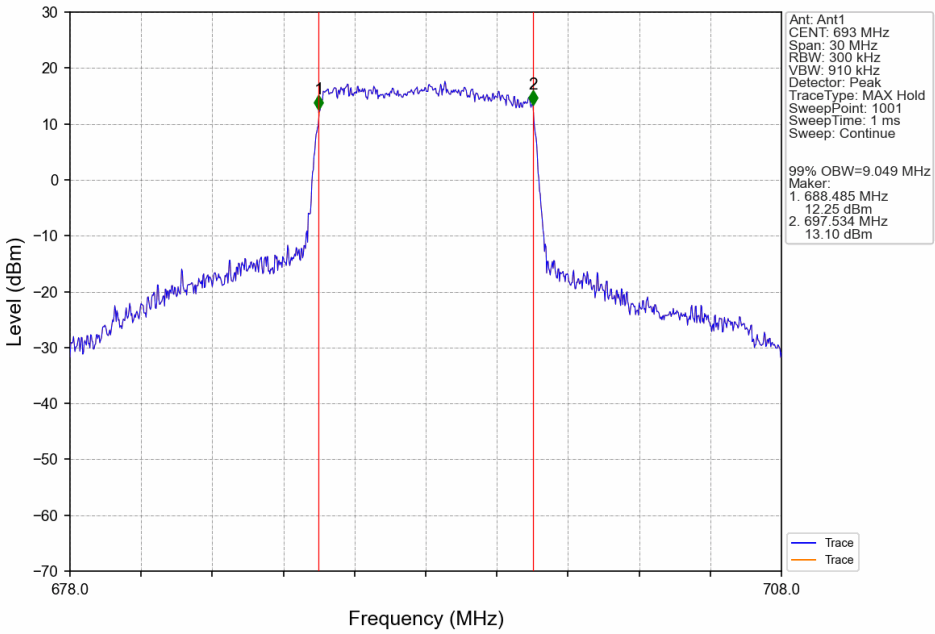
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



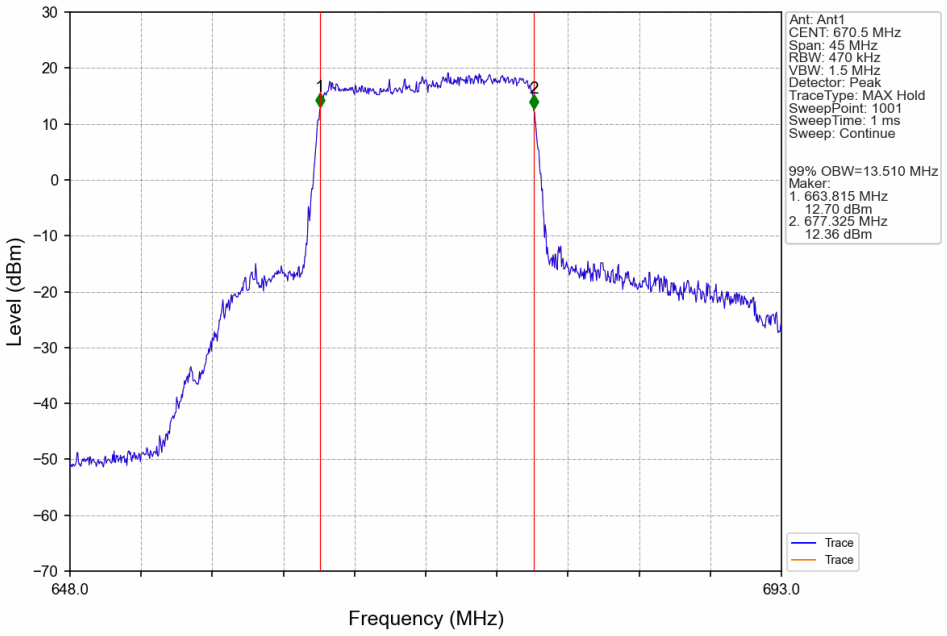
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



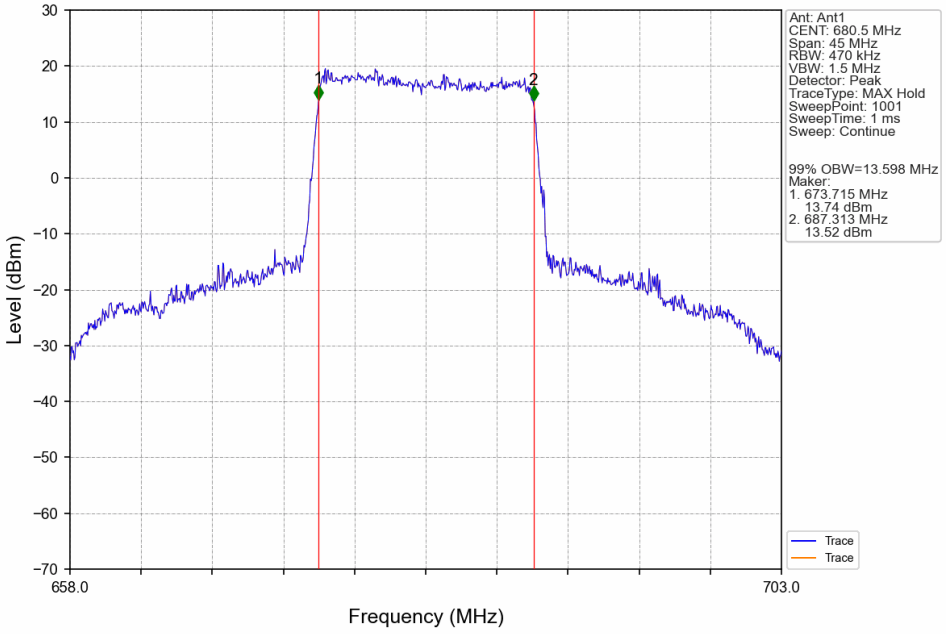
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



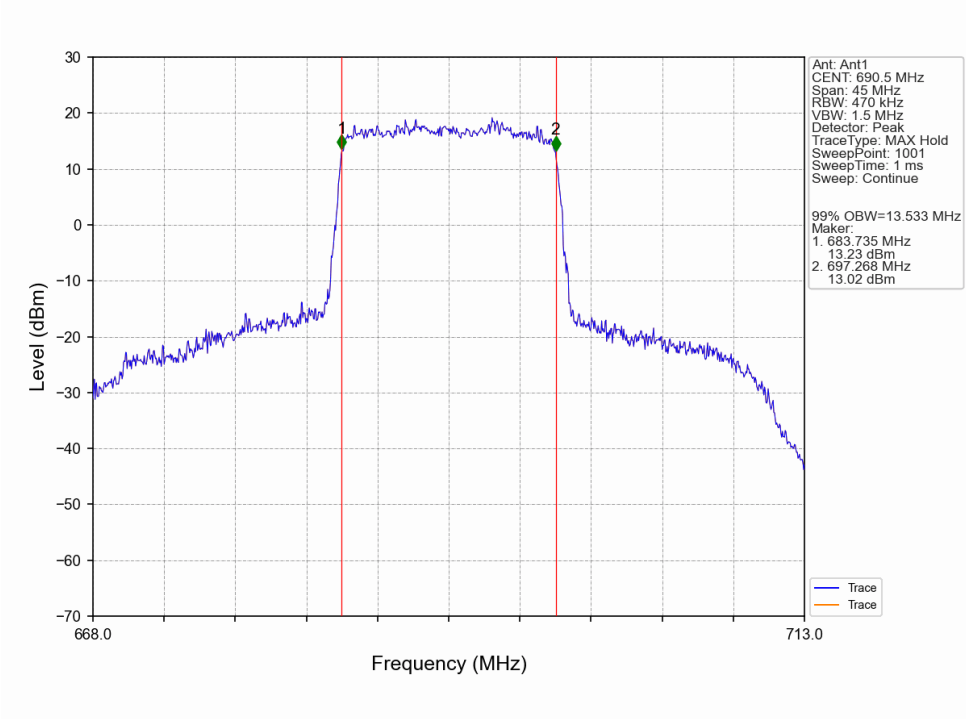
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



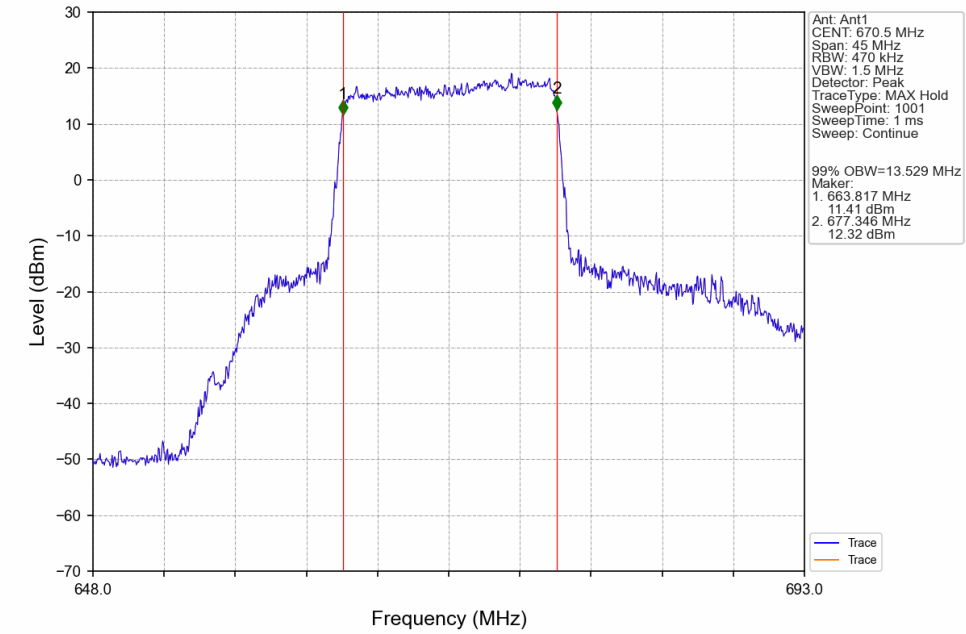
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



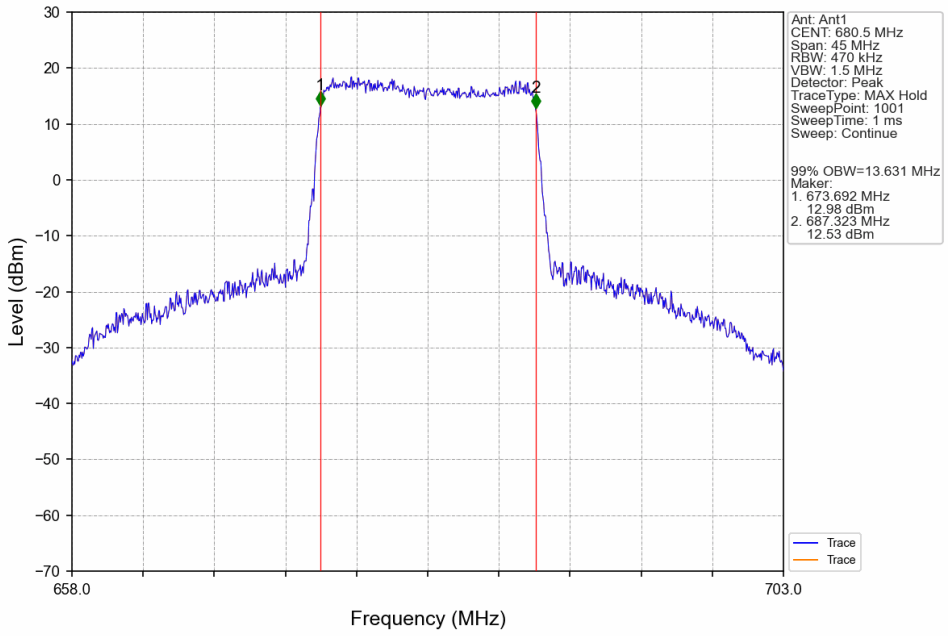
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



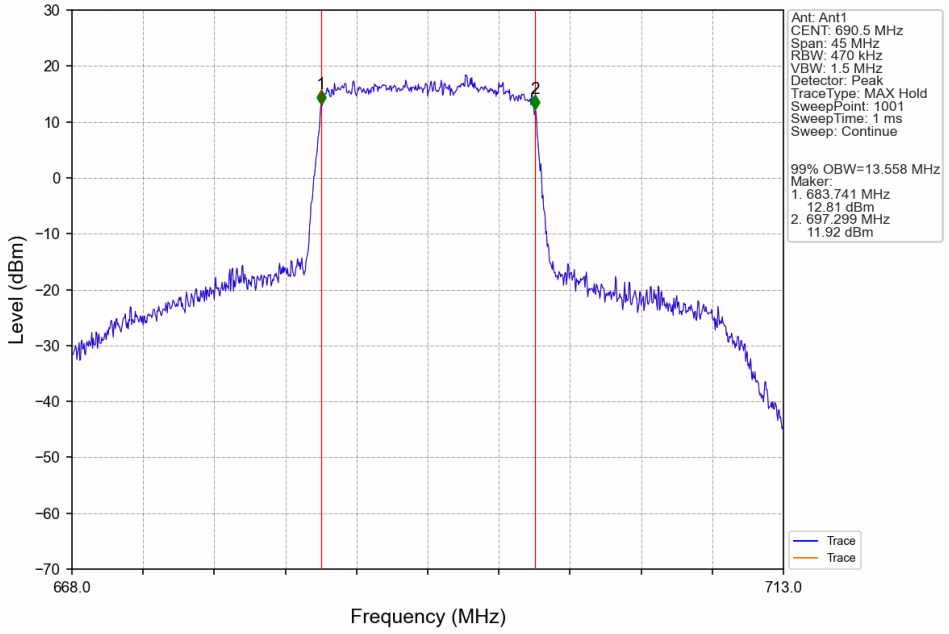
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



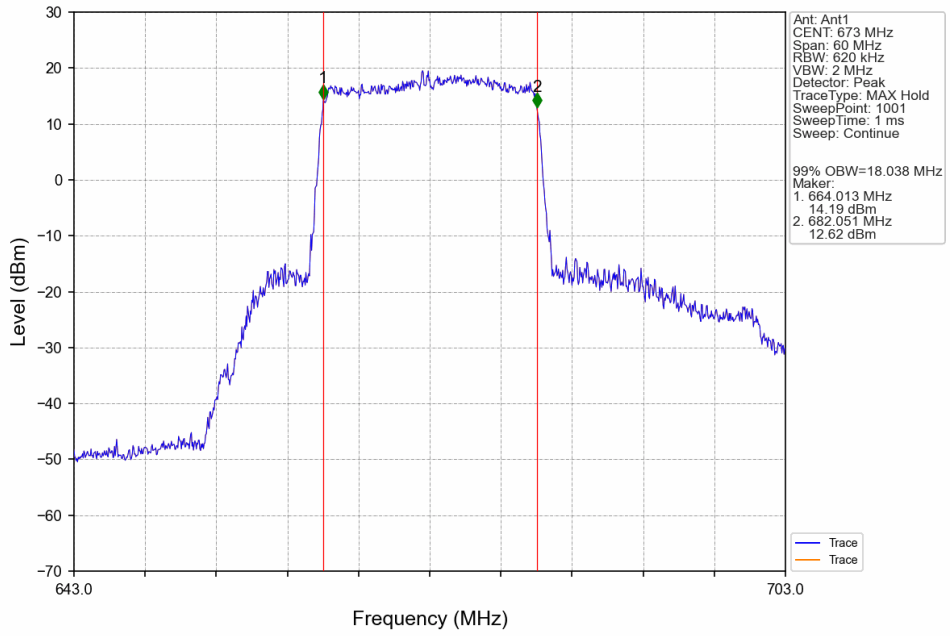
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



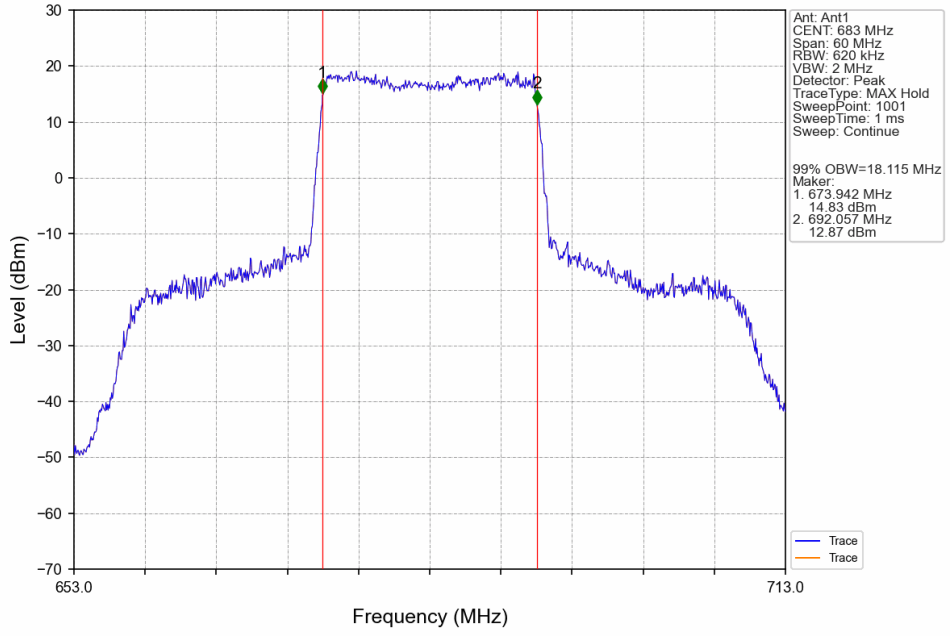
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



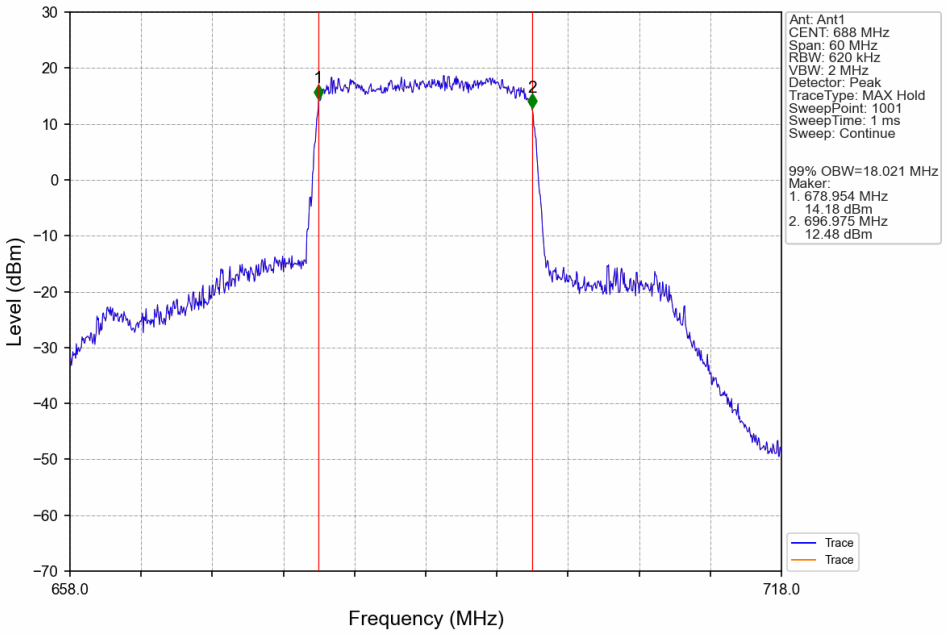
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



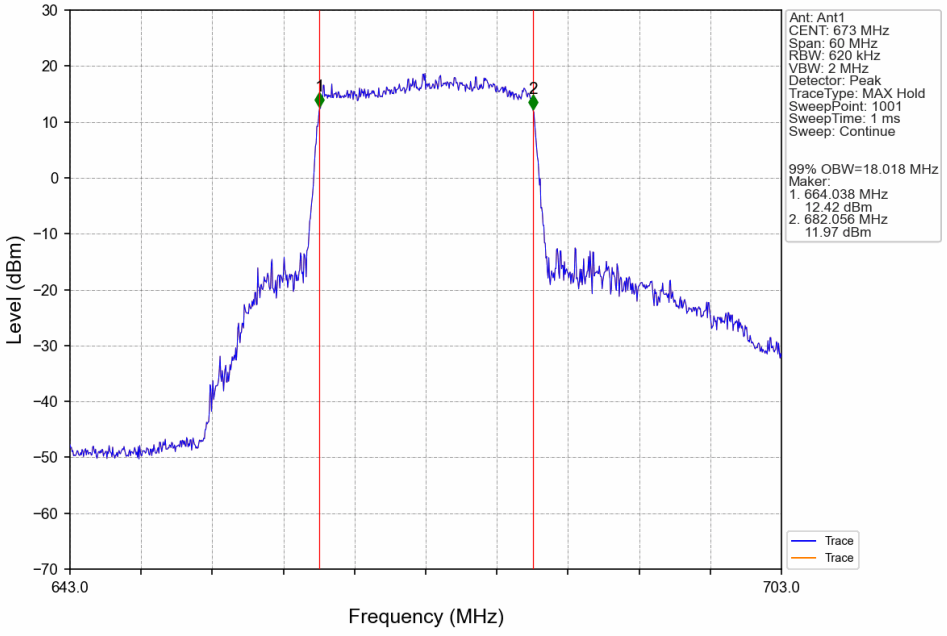
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



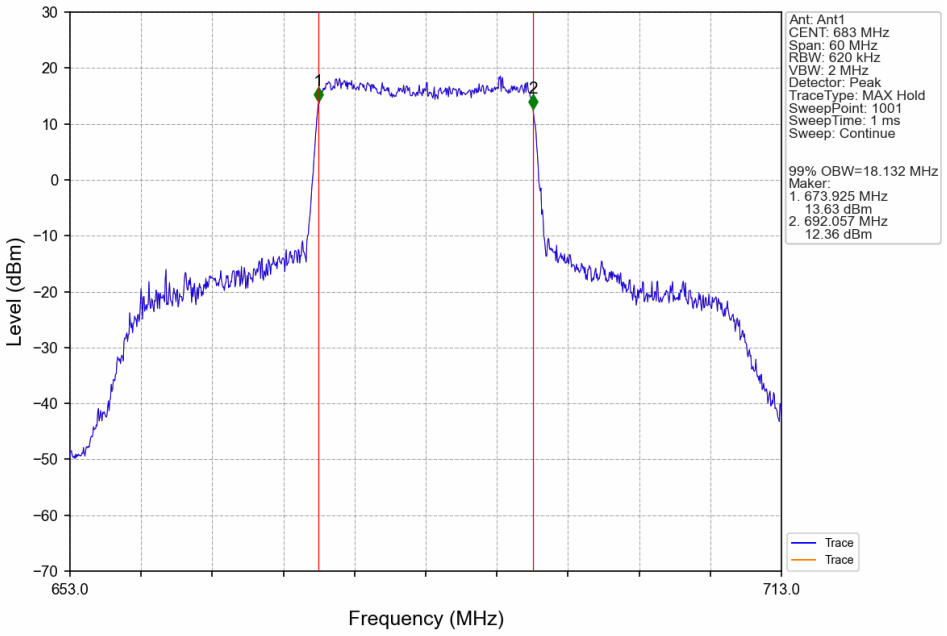
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



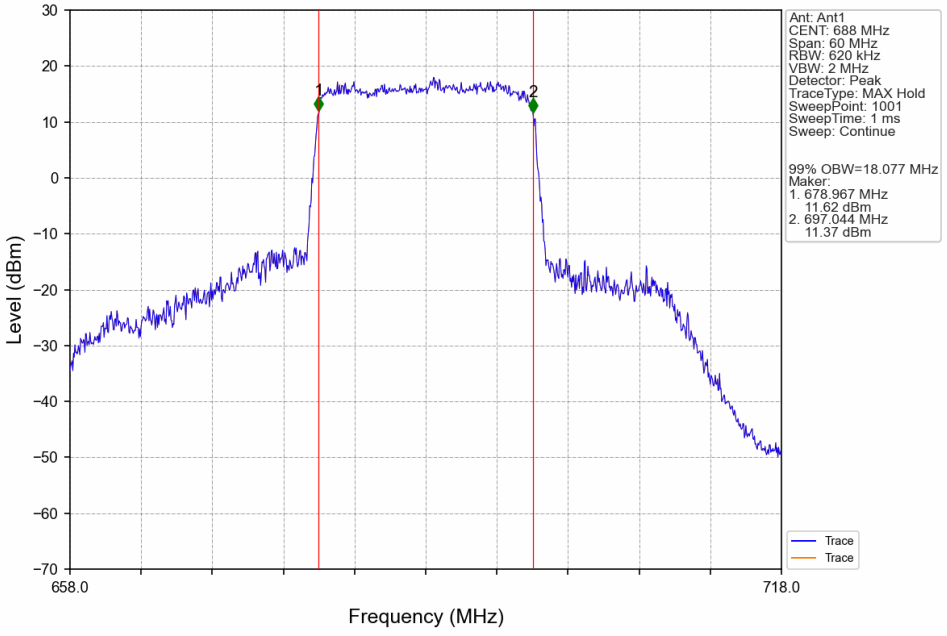
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

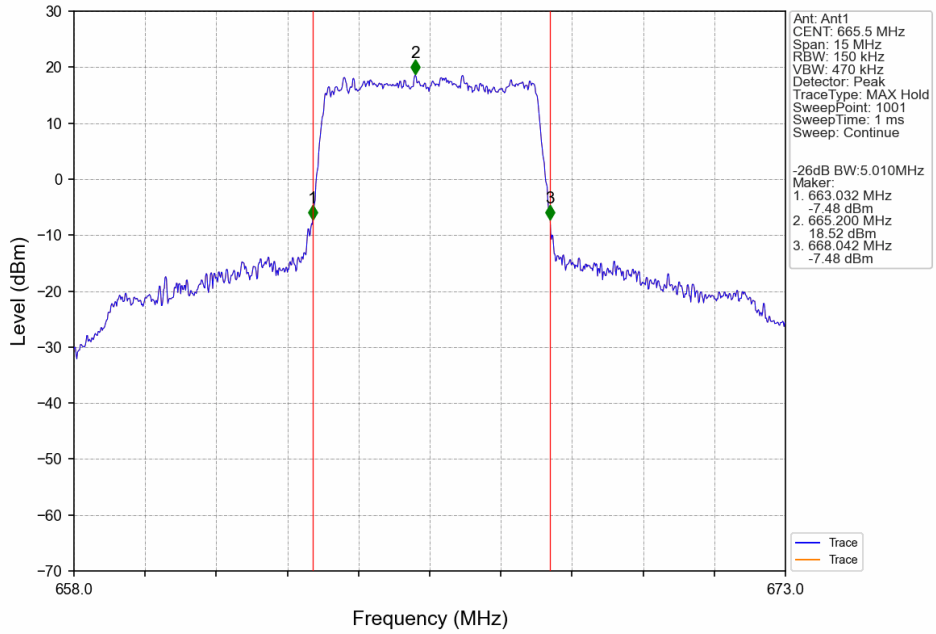


Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

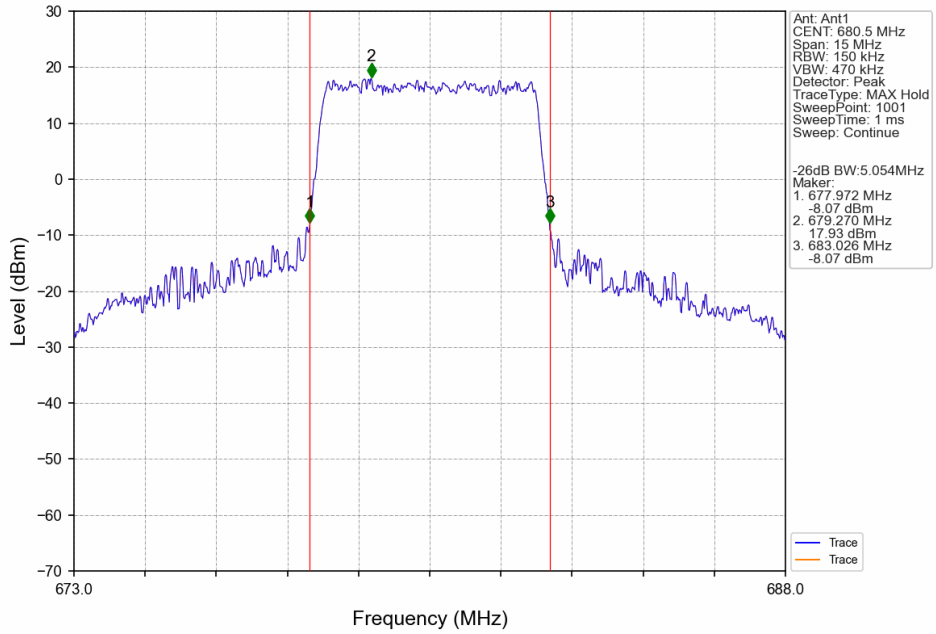


4.2.2 Band71_XDB

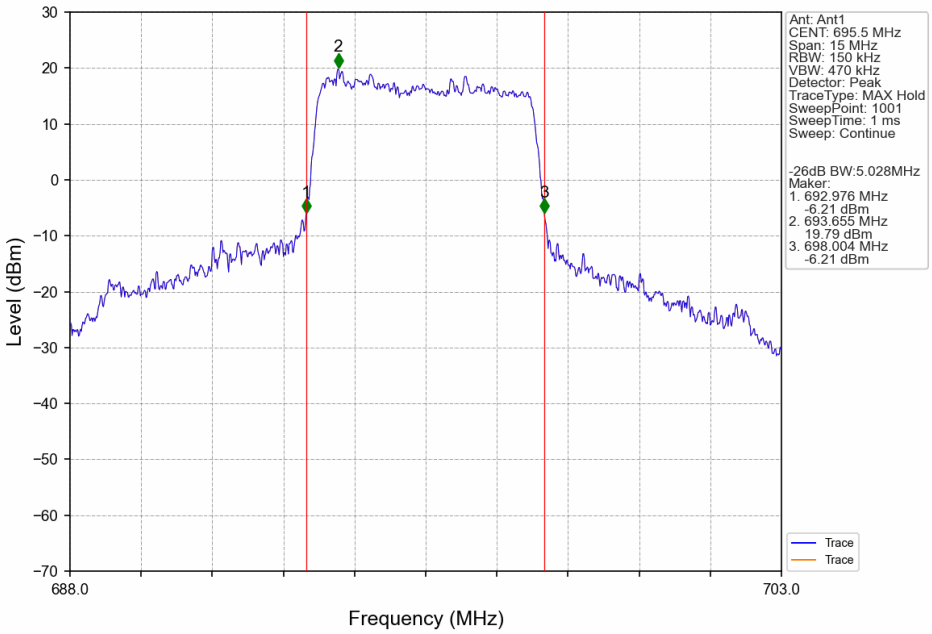
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



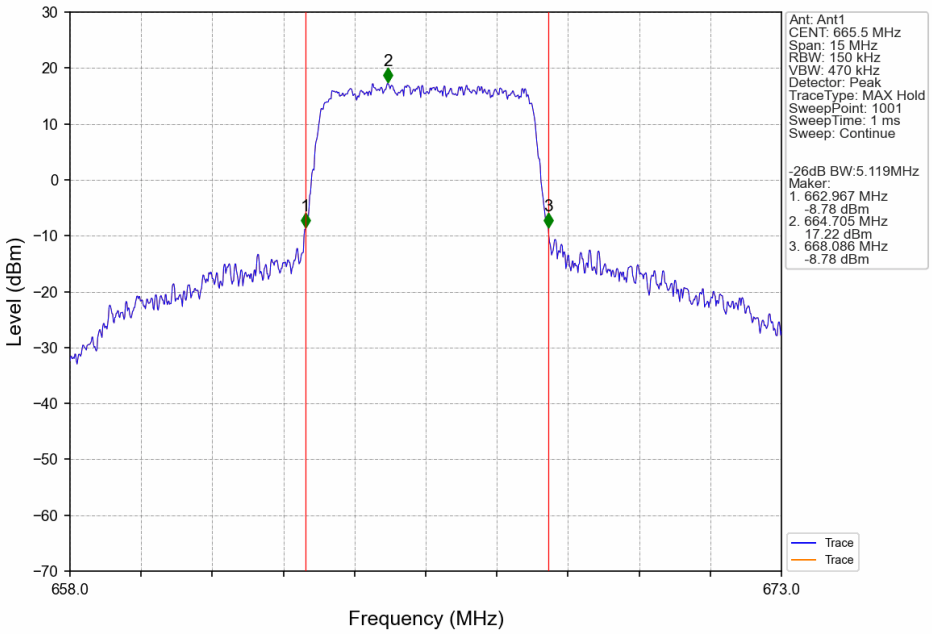
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



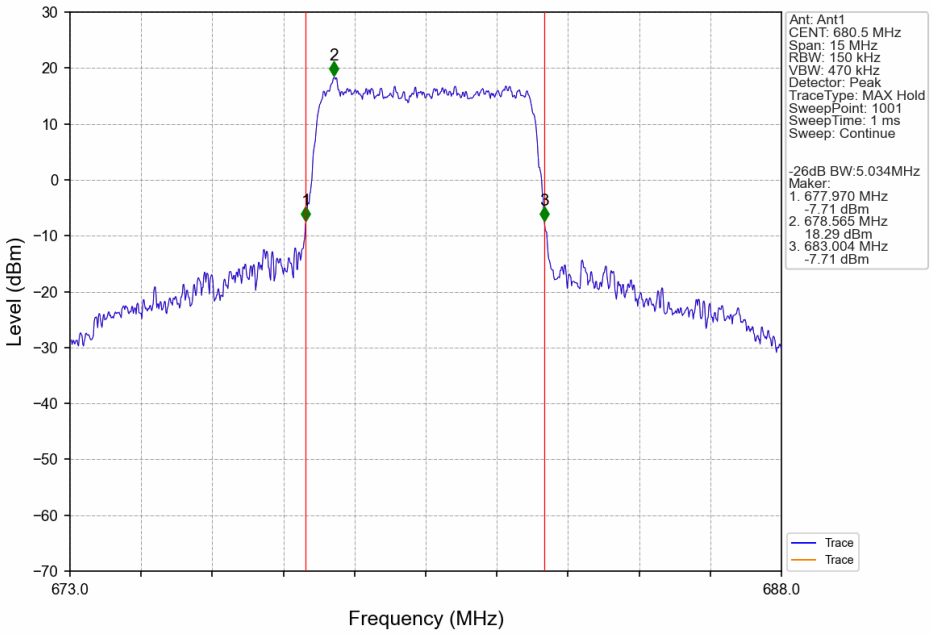
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



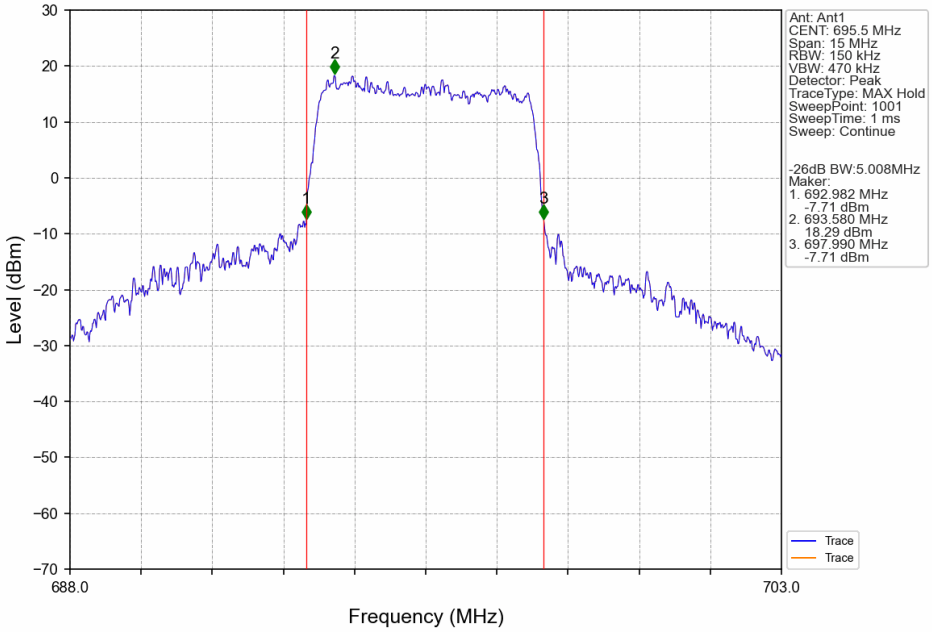
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



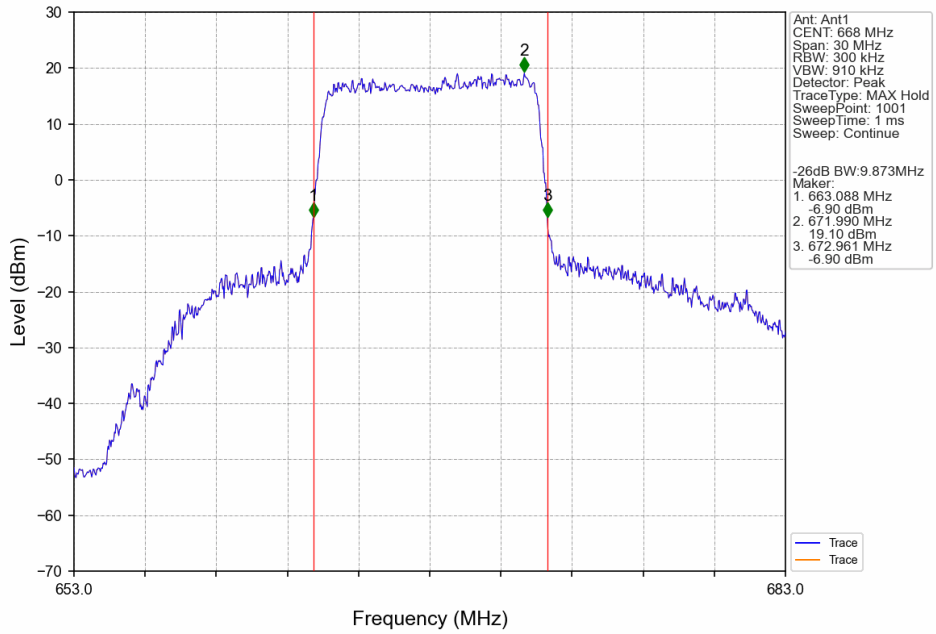
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



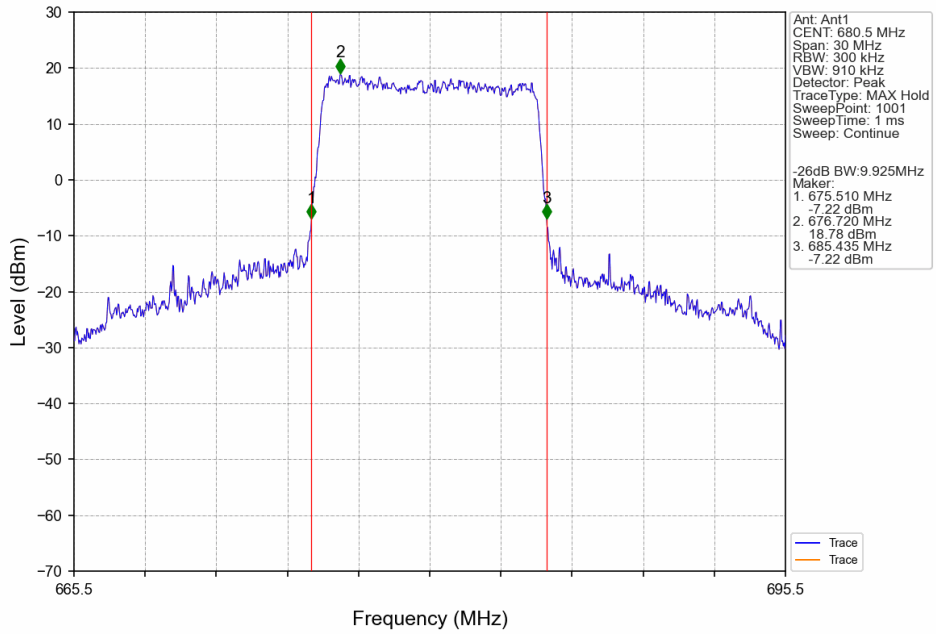
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



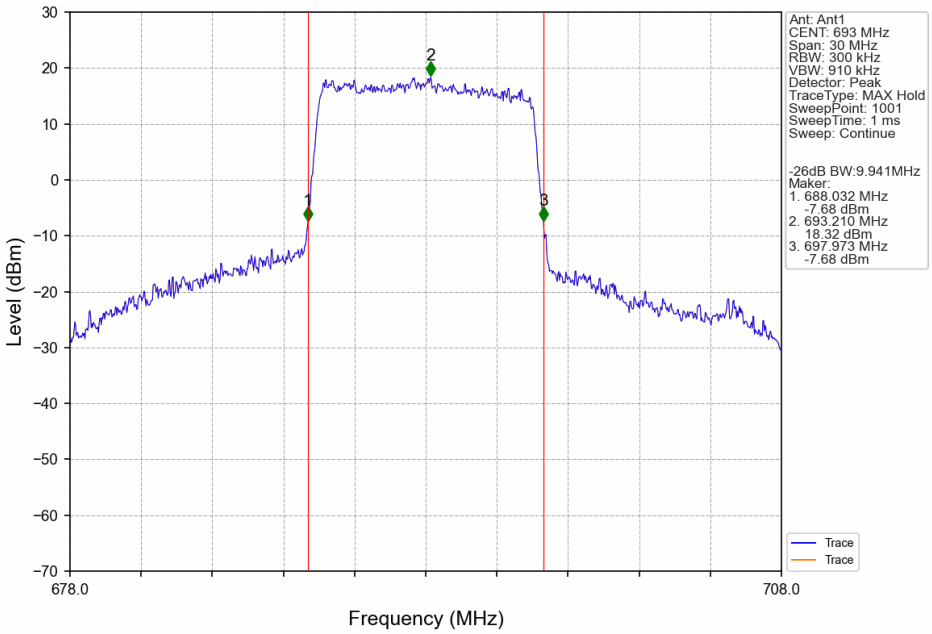
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



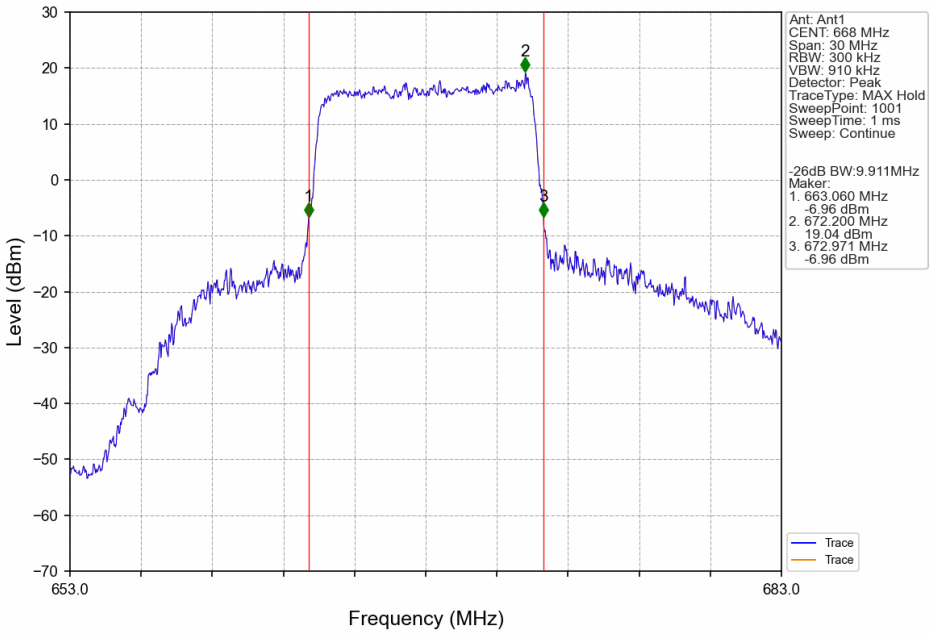
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



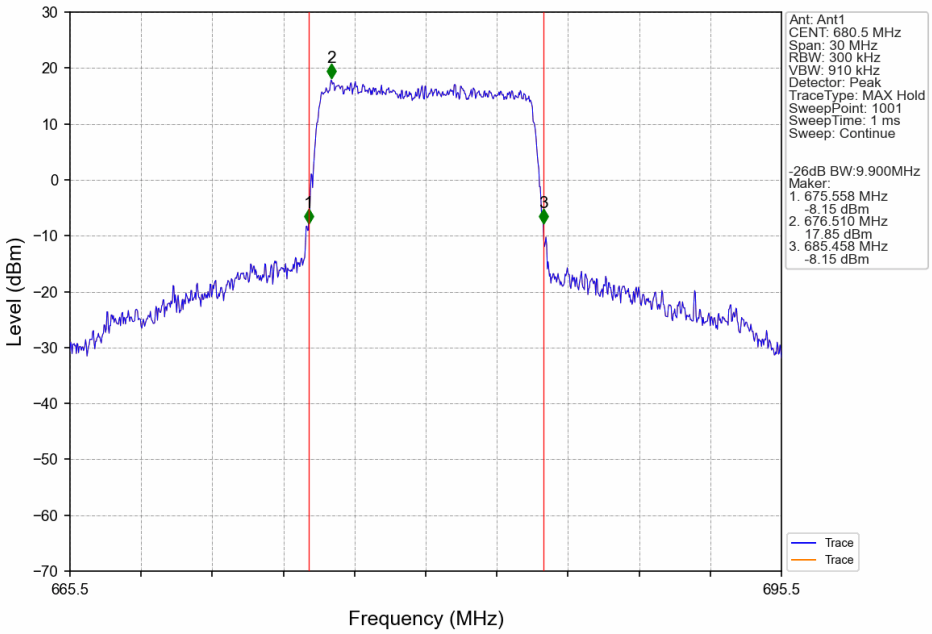
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



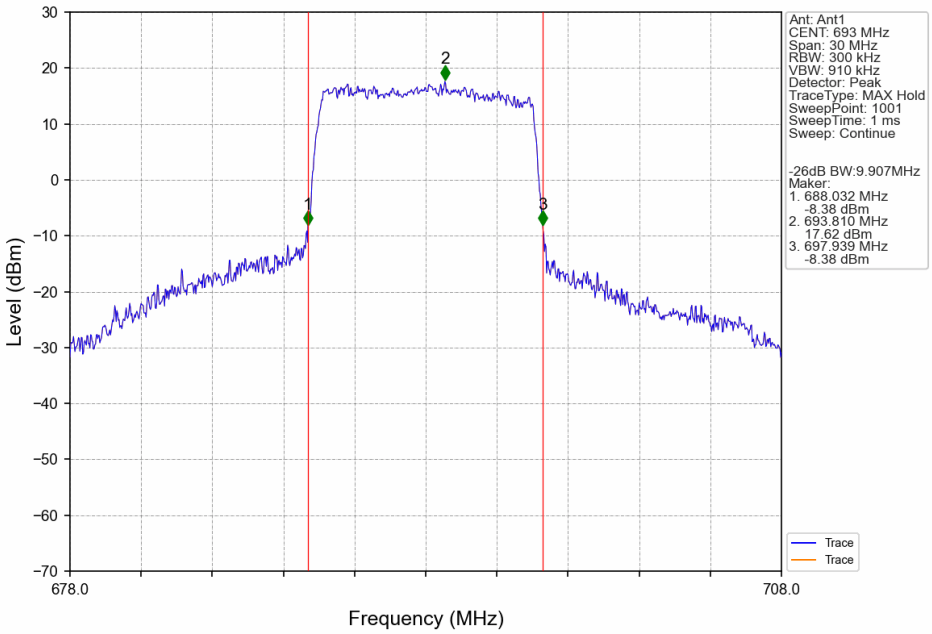
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



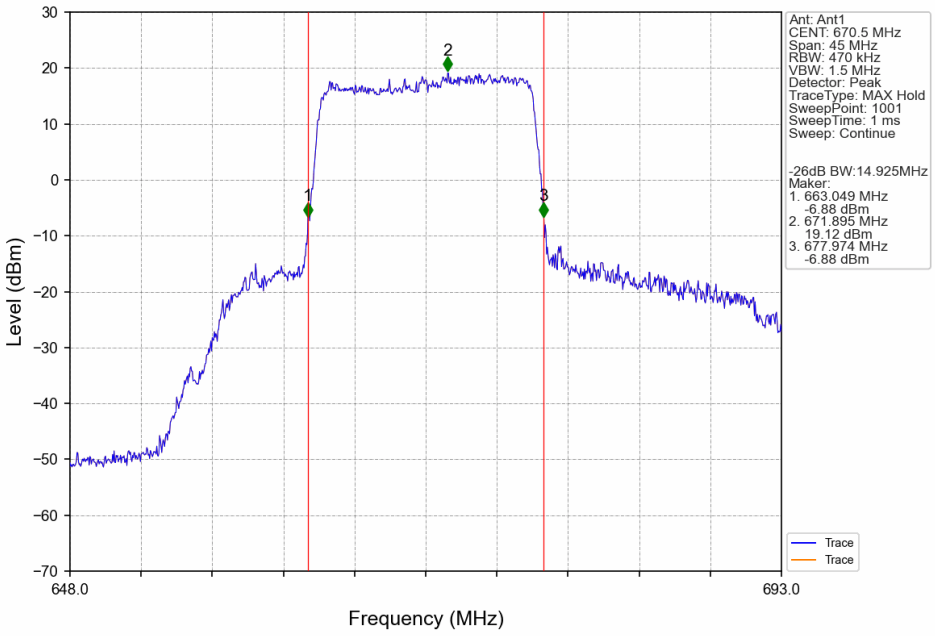
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



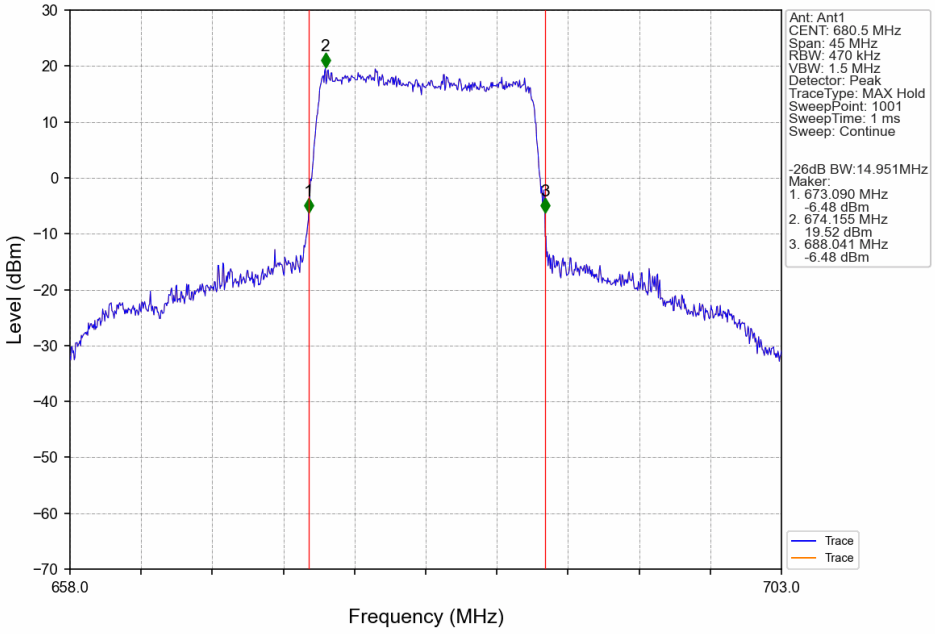
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



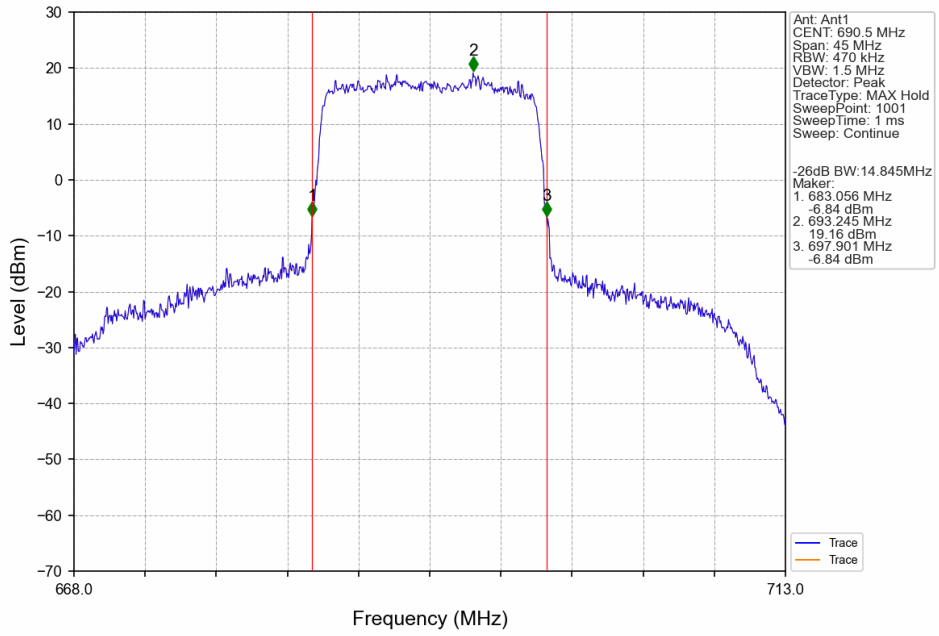
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



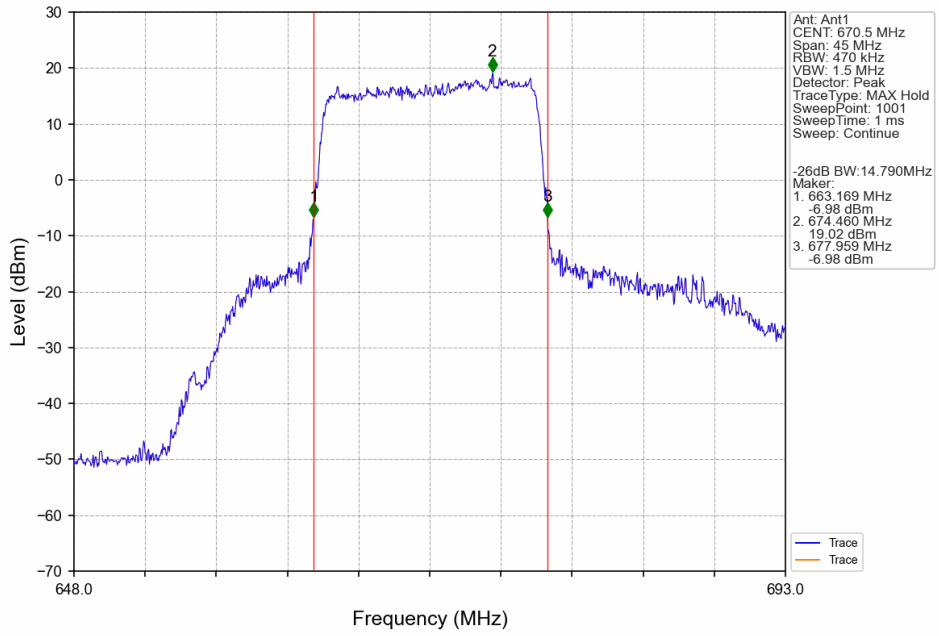
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



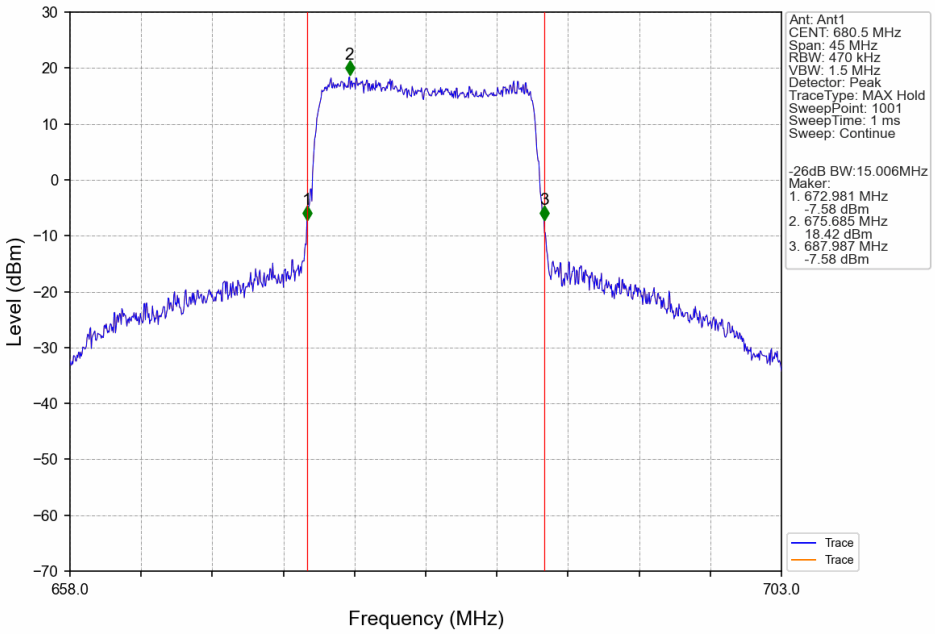
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



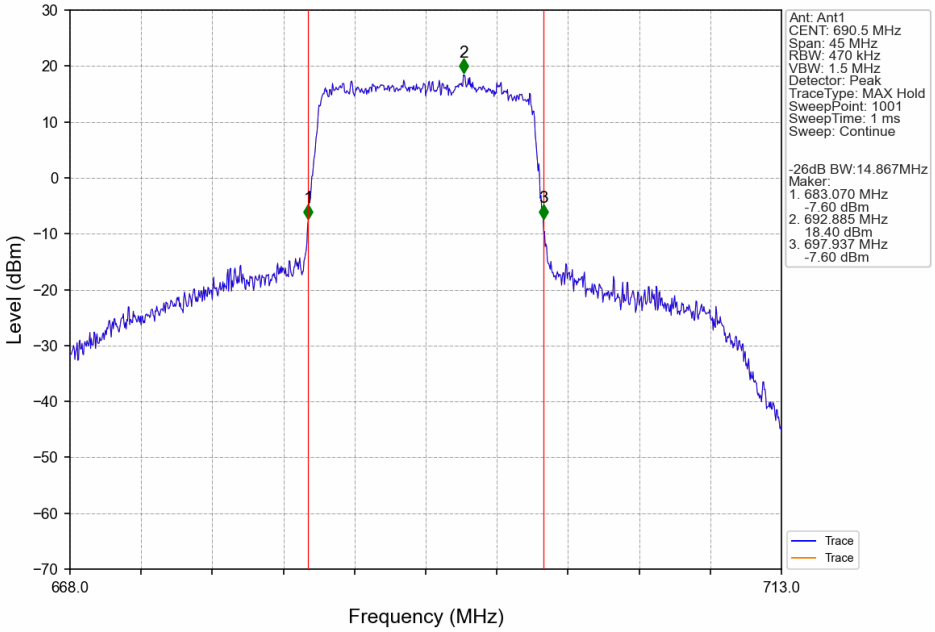
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



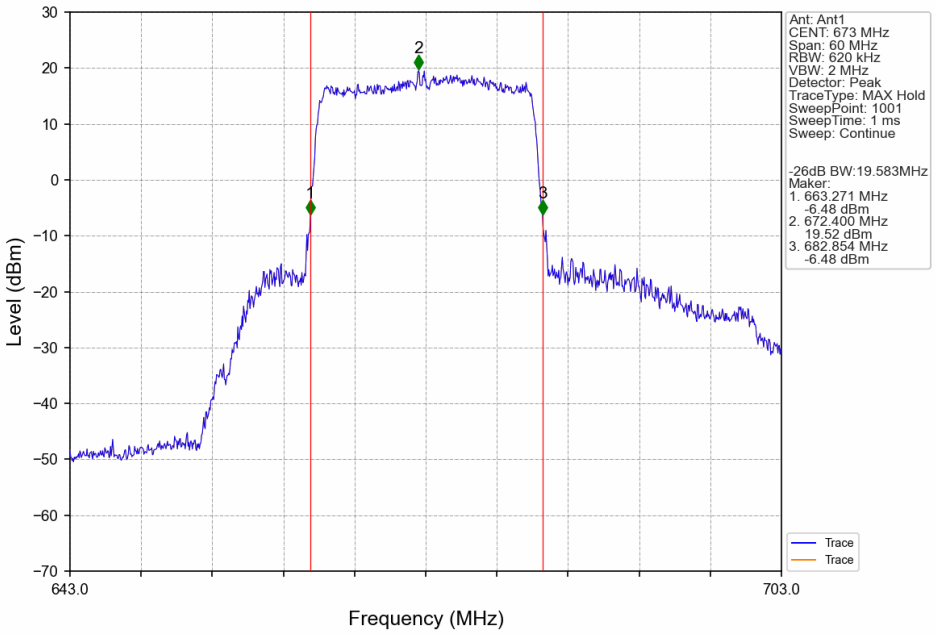
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



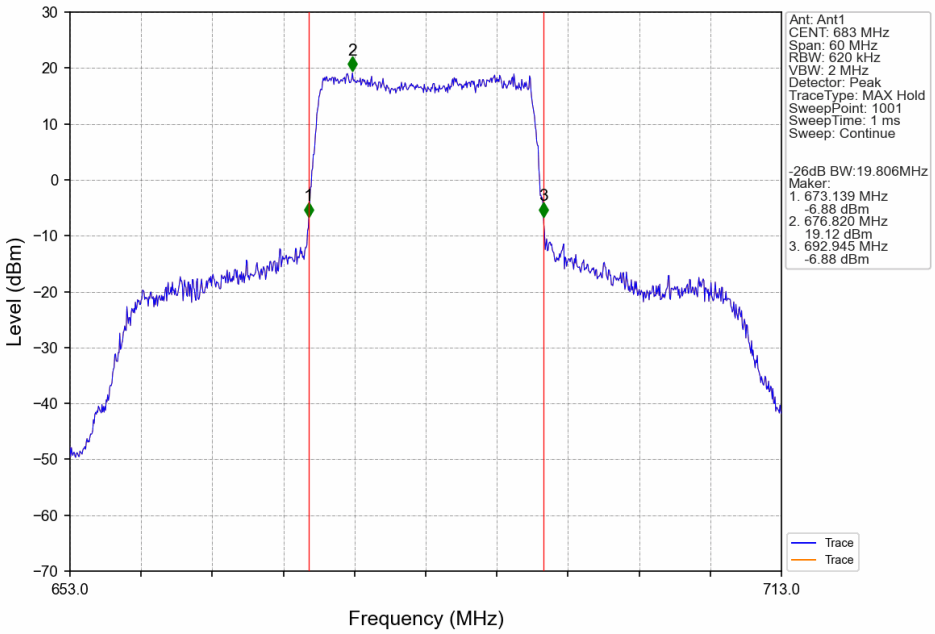
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



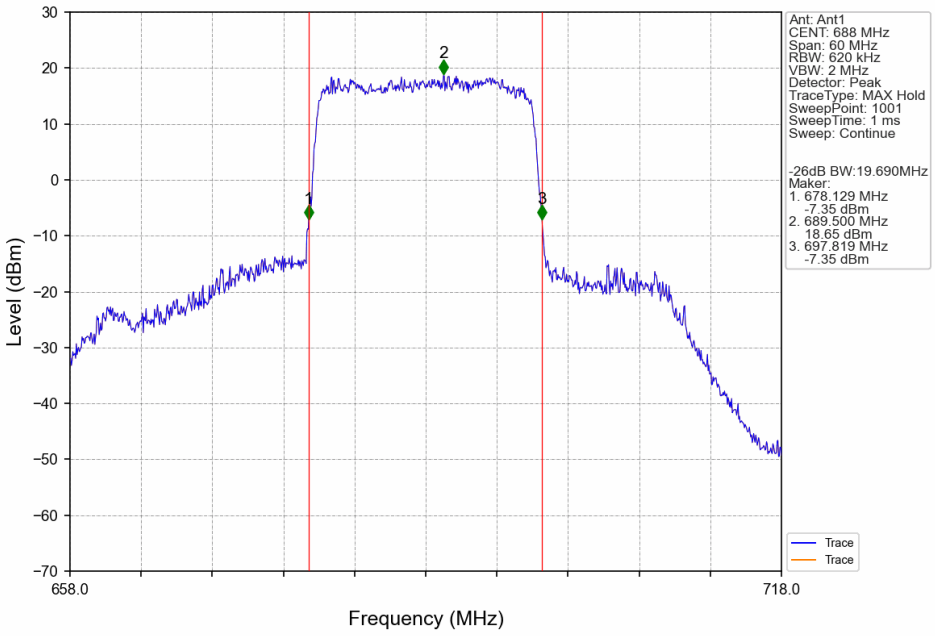
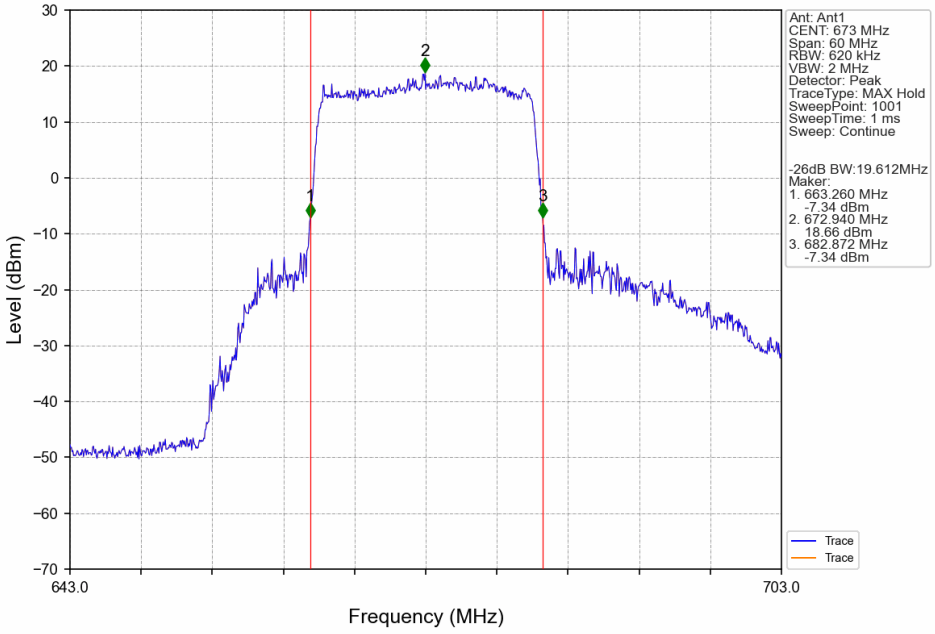
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



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