

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	22.85	-1.87	18.83	<=34.77	Pass
			13	22.99	-1.87	18.97	<=34.77	Pass
			24	22.85	-1.87	18.83	<=34.77	Pass
		12	0	21.84	-1.87	17.82	<=34.77	Pass
			6	21.95	-1.87	17.93	<=34.77	Pass
			13	21.92	-1.87	17.90	<=34.77	Pass
		25	0	21.91	-1.87	17.89	<=34.77	Pass
	680.5	1	0	22.69	-1.87	18.67	<=34.77	Pass
			13	22.83	-1.87	18.81	<=34.77	Pass
			24	22.62	-1.87	18.60	<=34.77	Pass
		12	0	21.71	-1.87	17.69	<=34.77	Pass
			6	21.75	-1.87	17.73	<=34.77	Pass
			13	21.71	-1.87	17.69	<=34.77	Pass
		25	0	21.70	-1.87	17.68	<=34.77	Pass
	695.5	1	0	21.82	-1.87	17.80	<=34.77	Pass
			13	21.96	-1.87	17.94	<=34.77	Pass
			24	21.74	-1.87	17.72	<=34.77	Pass
		12	0	20.82	-1.87	16.80	<=34.77	Pass
			6	20.82	-1.87	16.80	<=34.77	Pass
			13	20.72	-1.87	16.70	<=34.77	Pass
		25	0	20.87	-1.87	16.85	<=34.77	Pass
16QAM	665.5	1	0	22.03	-1.87	18.01	<=34.77	Pass
			13	22.21	-1.87	18.19	<=34.77	Pass
			24	22.03	-1.87	18.01	<=34.77	Pass
		12	0	20.91	-1.87	16.89	<=34.77	Pass
			6	21.00	-1.87	16.98	<=34.77	Pass
			13	20.98	-1.87	16.96	<=34.77	Pass
		25	0	20.90	-1.87	16.88	<=34.77	Pass
	680.5	1	0	21.46	-1.87	17.44	<=34.77	Pass
			13	21.58	-1.87	17.56	<=34.77	Pass
			24	21.44	-1.87	17.42	<=34.77	Pass
		12	0	20.69	-1.87	16.67	<=34.77	Pass
			6	20.47	-1.87	16.45	<=34.77	Pass
			13	20.28	-1.87	16.26	<=34.77	Pass
		25	0	20.21	-1.87	16.19	<=34.77	Pass
	695.5	1	0	20.87	-1.87	16.85	<=34.77	Pass
			13	21.03	-1.87	17.01	<=34.77	Pass
			24	20.85	-1.87	16.83	<=34.77	Pass
		12	0	19.92	-1.87	15.90	<=34.77	Pass
			6	19.95	-1.87	15.93	<=34.77	Pass
			13	19.86	-1.87	15.84	<=34.77	Pass
		25	0	19.90	-1.87	15.88	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	22.23	-1.87	18.21	<=34.77	Pass
			25	22.39	-1.87	18.37	<=34.77	Pass
			49	22.17	-1.87	18.15	<=34.77	Pass
		25	0	21.11	-1.87	17.09	<=34.77	Pass
			13	21.15	-1.87	17.13	<=34.77	Pass
			25	21.14	-1.87	17.12	<=34.77	Pass
		50	0	21.21	-1.87	17.19	<=34.77	Pass
	680.5	1	0	21.79	-1.87	17.77	<=34.77	Pass
			25	21.97	-1.87	17.95	<=34.77	Pass
			49	21.92	-1.87	17.90	<=34.77	Pass
		25	0	21.06	-1.87	17.04	<=34.77	Pass
			13	21.00	-1.87	16.98	<=34.77	Pass
			25	21.10	-1.87	17.08	<=34.77	Pass
		50	0	21.14	-1.87	17.12	<=34.77	Pass
	693	1	0	21.59	-1.87	17.57	<=34.77	Pass
			25	21.54	-1.87	17.52	<=34.77	Pass
			49	21.27	-1.87	17.25	<=34.77	Pass
		25	0	20.58	-1.87	16.56	<=34.77	Pass
			13	20.47	-1.87	16.45	<=34.77	Pass
			25	20.46	-1.87	16.44	<=34.77	Pass
16QAM	668	1	0	21.15	-1.87	17.13	<=34.77	Pass
			25	21.28	-1.87	17.26	<=34.77	Pass
			49	21.02	-1.87	17.00	<=34.77	Pass
		25	0	20.30	-1.87	16.28	<=34.77	Pass
			13	20.31	-1.87	16.29	<=34.77	Pass
			25	20.26	-1.87	16.24	<=34.77	Pass
		50	0	20.16	-1.87	16.14	<=34.77	Pass
	680.5	1	0	21.19	-1.87	17.17	<=34.77	Pass
			25	21.33	-1.87	17.31	<=34.77	Pass
			49	21.18	-1.87	17.16	<=34.77	Pass
		25	0	20.20	-1.87	16.18	<=34.77	Pass
			13	20.13	-1.87	16.11	<=34.77	Pass
			25	20.04	-1.87	16.02	<=34.77	Pass
		50	0	19.85	-1.87	15.83	<=34.77	Pass
	693	1	0	20.95	-1.87	16.93	<=34.77	Pass
			25	21.11	-1.87	17.09	<=34.77	Pass
			49	20.89	-1.87	16.87	<=34.77	Pass
		25	0	19.56	-1.87	15.54	<=34.77	Pass
			13	19.62	-1.87	15.60	<=34.77	Pass
			25	19.64	-1.87	15.62	<=34.77	Pass
		50	0	19.74	-1.87	15.72	<=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	22.02	-1.87	18.00	<=34.77	Pass
			38	21.89	-1.87	17.87	<=34.77	Pass
			74	21.86	-1.87	17.84	<=34.77	Pass
		36	0	21.09	-1.87	17.07	<=34.77	Pass
			18	20.93	-1.87	16.91	<=34.77	Pass
			39	20.71	-1.87	16.69	<=34.77	Pass

16QAM	680.5	75	0	21.04	-1.87	17.02	<=34.77	Pass
			0	21.84	-1.87	17.82	<=34.77	Pass
		1	38	21.89	-1.87	17.87	<=34.77	Pass
			74	21.75	-1.87	17.73	<=34.77	Pass
			0	20.97	-1.87	16.95	<=34.77	Pass
		36	18	20.85	-1.87	16.83	<=34.77	Pass
			39	20.90	-1.87	16.88	<=34.77	Pass
			75	0	20.93	-1.87	16.91	<=34.77
	690.5	1	0	21.70	-1.87	17.68	<=34.77	Pass
			38	21.60	-1.87	17.58	<=34.77	Pass
			74	21.35	-1.87	17.33	<=34.77	Pass
		36	0	20.76	-1.87	16.74	<=34.77	Pass
			18	20.62	-1.87	16.60	<=34.77	Pass
			39	20.51	-1.87	16.49	<=34.77	Pass
		75	0	20.53	-1.87	16.51	<=34.77	Pass
		16QAM	670.5	1	0	21.30	-1.87	17.28
38	21.44				-1.87	17.42	<=34.77	Pass
74	21.23				-1.87	17.21	<=34.77	Pass
36	0			20.09	-1.87	16.07	<=34.77	Pass
	18			20.14	-1.87	16.12	<=34.77	Pass
	39			20.04	-1.87	16.02	<=34.77	Pass
75	0			20.06	-1.87	16.04	<=34.77	Pass
680.5	1			0	20.90	-1.87	16.88	<=34.77
			38	20.73	-1.87	16.71	<=34.77	Pass
			74	20.52	-1.87	16.50	<=34.77	Pass
	36		0	19.81	-1.87	15.79	<=34.77	Pass
			18	19.92	-1.87	15.90	<=34.77	Pass
			39	19.75	-1.87	15.73	<=34.77	Pass
	75		0	19.82	-1.87	15.80	<=34.77	Pass
	690.5		1	0	20.99	-1.87	16.97	<=34.77
38				21.01	-1.87	16.99	<=34.77	Pass
74		20.89		-1.87	16.87	<=34.77	Pass	
36		0	19.75	-1.87	15.73	<=34.77	Pass	
		18	19.38	-1.87	15.36	<=34.77	Pass	
		39	19.50	-1.87	15.48	<=34.77	Pass	
75		0	19.61	-1.87	15.59	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

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	21.67	-1.87	17.65	<=34.77	Pass
			50	21.88	-1.87	17.86	<=34.77	Pass
			99	21.26	-1.87	17.24	<=34.77	Pass
		50	0	20.78	-1.87	16.76	<=34.77	Pass
			25	20.83	-1.87	16.81	<=34.77	Pass
			50	20.68	-1.87	16.66	<=34.77	Pass
		100	0	20.63	-1.87	16.61	<=34.77	Pass
		1	0	21.61	-1.87	17.59	<=34.77	Pass
			50	21.91	-1.87	17.89	<=34.77	Pass
			99	21.53	-1.87	17.51	<=34.77	Pass
	683	50	0	20.98	-1.87	16.96	<=34.77	Pass
			25	20.92	-1.87	16.90	<=34.77	Pass
			50	20.81	-1.87	16.79	<=34.77	Pass
		100	0	20.88	-1.87	16.86	<=34.77	Pass

16QAM	688	1	0	21.70	-1.87	17.68	<=34.77	Pass
			50	21.99	-1.87	17.97	<=34.77	Pass
			99	21.54	-1.87	17.52	<=34.77	Pass
		50	0	20.88	-1.87	16.86	<=34.77	Pass
			25	20.89	-1.87	16.87	<=34.77	Pass
			50	20.72	-1.87	16.70	<=34.77	Pass
		100	0	20.81	-1.87	16.79	<=34.77	Pass
	673	1	0	21.25	-1.87	17.23	<=34.77	Pass
			50	21.51	-1.87	17.49	<=34.77	Pass
			99	21.06	-1.87	17.04	<=34.77	Pass
		50	0	19.95	-1.87	15.93	<=34.77	Pass
			25	19.96	-1.87	15.94	<=34.77	Pass
			50	19.76	-1.87	15.74	<=34.77	Pass
		100	0	19.81	-1.87	15.79	<=34.77	Pass
	683	1	0	20.89	-1.87	16.87	<=34.77	Pass
			50	21.21	-1.87	17.19	<=34.77	Pass
			99	20.77	-1.87	16.75	<=34.77	Pass
		50	0	20.04	-1.87	16.02	<=34.77	Pass
			25	20.00	-1.87	15.98	<=34.77	Pass
			50	19.87	-1.87	15.85	<=34.77	Pass
		100	0	19.94	-1.87	15.92	<=34.77	Pass
	688	1	0	20.92	-1.87	16.90	<=34.77	Pass
			50	21.23	-1.87	17.21	<=34.77	Pass
			99	20.74	-1.87	16.72	<=34.77	Pass
		50	0	19.89	-1.87	15.87	<=34.77	Pass
			25	19.88	-1.87	15.86	<=34.77	Pass
			50	19.69	-1.87	15.67	<=34.77	Pass
		100	0	19.71	-1.87	15.69	<=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	-8.211	-0.0123	-2.5 to 2.5	Pass
					3.85	-10.371	-0.0156	-2.5 to 2.5	Pass
					4.43	-6.008	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-9.270	-0.0139	-2.5 to 2.5	Pass
					3.85	-7.954	-0.0120	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-7.467	-0.0112	-2.5 to 2.5	Pass
					3.85	-9.427	-0.0142	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0073	-2.5 to 2.5	Pass
					3.85	-8.855	-0.0133	-2.5 to 2.5	Pass
					3.85	-8.855	-0.0133	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.178	-0.0076	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0045	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass
					3.85	-8.025	-0.0118	-2.5 to 2.5	Pass
					3.85	-8.426	-0.0124	-2.5 to 2.5	Pass

				0	3.85	-4.106	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-8.826	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-8.168	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-8.168	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-9.012	-0.0132	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-7.911	-0.0114	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0108	-2.5 to 2.5	Pass
					4.43	-4.935	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-10.858	-0.0156	-2.5 to 2.5	Pass
				-20	3.85	-8.655	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0061	-2.5 to 2.5	Pass
				0	3.85	2.074	0.0030	-2.5 to 2.5	Pass
				10	3.85	-6.595	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-5.250	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-9.785	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0126	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-11.287	-0.0170	-2.5 to 2.5	Pass
					3.85	-10.743	-0.0161	-2.5 to 2.5	Pass
					4.43	-11.044	-0.0166	-2.5 to 2.5	Pass
				-30	3.85	-7.939	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-8.712	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-7.396	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-5.765	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-10.729	-0.0161	-2.5 to 2.5	Pass
				30	3.85	-8.440	-0.0127	-2.5 to 2.5	Pass
				40	3.85	-11.816	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-7.696	-0.0116	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.651	-0.0083	-2.5 to 2.5	Pass
					3.85	-5.608	-0.0082	-2.5 to 2.5	Pass
					4.43	-8.855	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-11.015	-0.0162	-2.5 to 2.5	Pass
				0	3.85	-7.739	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-8.998	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-9.441	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-5.679	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-7.954	-0.0117	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-9.470	-0.0136	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0036	-2.5 to 2.5	Pass
					4.43	-11.516	-0.0166	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-10.872	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-8.340	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-4.249	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-7.010	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-9.170	-0.0132	-2.5 to 2.5	Pass
				40	3.85	-9.184	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-7.625	-0.0110	-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	-5.736	-0.0086	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0082	-2.5 to 2.5	Pass

					4.43	-9.370	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-5.994	-0.0090	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-6.723	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-9.413	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-5.822	-0.0087	-2.5 to 2.5	Pass
				40	3.85	-4.735	-0.0071	-2.5 to 2.5	Pass
	50	3.85	-4.706	-0.0070	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-2.074	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0072	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-8.912	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-9.413	-0.0138	-2.5 to 2.5	Pass
	30	3.85	-8.755	-0.0129	-2.5 to 2.5	Pass			
	40	3.85	-6.437	-0.0095	-2.5 to 2.5	Pass			
	50	3.85	-8.855	-0.0130	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-4.663	-0.0067	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-3.862	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-7.796	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0097	-2.5 to 2.5	Pass
30	3.85	-8.755	-0.0126	-2.5 to 2.5	Pass				
40	3.85	-5.236	-0.0076	-2.5 to 2.5	Pass				
50	3.85	-6.466	-0.0093	-2.5 to 2.5	Pass				
16QAM	668	50	0	20	3.27	-6.137	-0.0092	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
					4.43	-5.465	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-9.727	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-12.918	-0.0193	-2.5 to 2.5	Pass
				-10	3.85	-8.626	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-7.081	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-7.868	-0.0118	-2.5 to 2.5	Pass
	30	3.85	-5.293	-0.0079	-2.5 to 2.5	Pass			
	40	3.85	-2.332	-0.0035	-2.5 to 2.5	Pass			
	50	3.85	-3.691	-0.0055	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-6.509	-0.0096	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0091	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-3.819	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-6.065	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-3.190	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
	30	3.85	-5.379	-0.0079	-2.5 to 2.5	Pass			
	40	3.85	-6.738	-0.0099	-2.5 to 2.5	Pass			
	50	3.85	-4.263	-0.0063	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-6.695	-0.0097	-2.5 to 2.5	Pass
					3.85	-6.537	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-5.121	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0114	-2.5 to 2.5	Pass

			0	3.85	-6.008	-0.0087	-2.5 to 2.5	Pass
			10	3.85	-3.448	-0.0050	-2.5 to 2.5	Pass
			30	3.85	-7.768	-0.0112	-2.5 to 2.5	Pass
			40	3.85	-5.536	-0.0080	-2.5 to 2.5	Pass
			50	3.85	-7.553	-0.0109	-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	-6.566	-0.0098	-2.5 to 2.5	Pass
					3.85	-4.892	-0.0073	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-7.052	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-6.251	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-5.836	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-5.178	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-8.783	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-7.796	-0.0116	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-6.251	-0.0093	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-6.852	-0.0101	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0073	-2.5 to 2.5	Pass
					4.43	-5.107	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-5.622	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-5.193	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0066	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-0.844	-0.0012	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
					4.43	-7.968	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-10.085	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-6.237	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-8.497	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-7.396	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-7.367	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0087	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-9.713	-0.0145	-2.5 to 2.5	Pass
					3.85	-8.397	-0.0125	-2.5 to 2.5	Pass
					4.43	-7.510	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0086	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-3.390	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-10.200	-0.0152	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0130	-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	-4.492	-0.0066	-2.5 to 2.5	Pass

					4.43	-5.107	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-3.033	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-3.076	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-2.546	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-3.648	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0066	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-4.935	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0046	-2.5 to 2.5	Pass
					4.43	-5.350	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-6.938	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-5.865	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0041	-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	-7.825	-0.0116	-2.5 to 2.5	Pass
					3.85	-9.413	-0.0140	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-6.781	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-5.379	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-4.134	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-8.597	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0125	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0092	-2.5 to 2.5	Pass
				20	3.27	-2.131	-0.0031	-2.5 to 2.5	Pass
					3.85	-6.924	-0.0101	-2.5 to 2.5	Pass
					4.43	-8.426	-0.0123	-2.5 to 2.5	Pass
	683	100	0	-30	3.85	-7.682	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-6.881	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-4.978	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-3.190	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-9.427	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-7.839	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-4.921	-0.0072	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-3.490	-0.0051	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0093	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-3.247	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-8.011	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-9.670	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-9.227	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-6.695	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-8.497	-0.0124	-2.5 to 2.5	Pass

16QAM	673	100	0	40	3.85	-5.794	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-8.898	-0.0129	-2.5 to 2.5	Pass
				20	3.27	-8.798	-0.0131	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0098	-2.5 to 2.5	Pass
					4.43	-7.982	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-5.393	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-9.685	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-7.467	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0119	-2.5 to 2.5	Pass
	683	100	0	30	3.85	-6.738	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-5.808	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-6.866	-0.0102	-2.5 to 2.5	Pass
				20	3.27	-4.663	-0.0068	-2.5 to 2.5	Pass
					3.85	-3.133	-0.0046	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-4.249	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.861	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.778	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-3.920	-0.0057	-2.5 to 2.5	Pass
	688	100	0	10	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.063	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-9.313	-0.0135	-2.5 to 2.5	Pass
					3.85	-8.383	-0.0122	-2.5 to 2.5	Pass
					4.43	-10.514	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-5.651	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-8.297	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-8.883	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0139	-2.5 to 2.5	Pass
				10	3.85	-11.301	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-8.454	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-13.018	-0.0189	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0090	-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

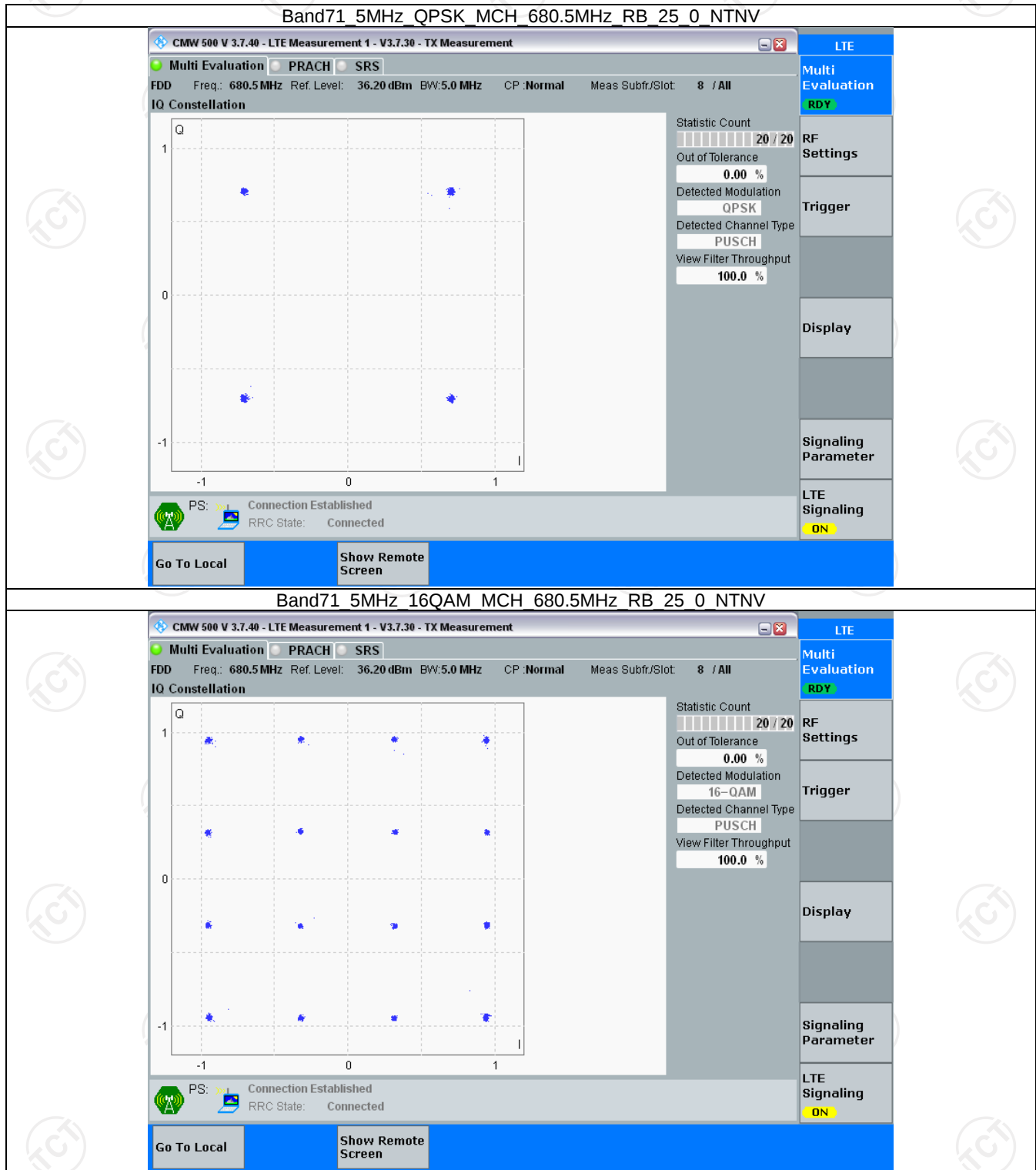
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

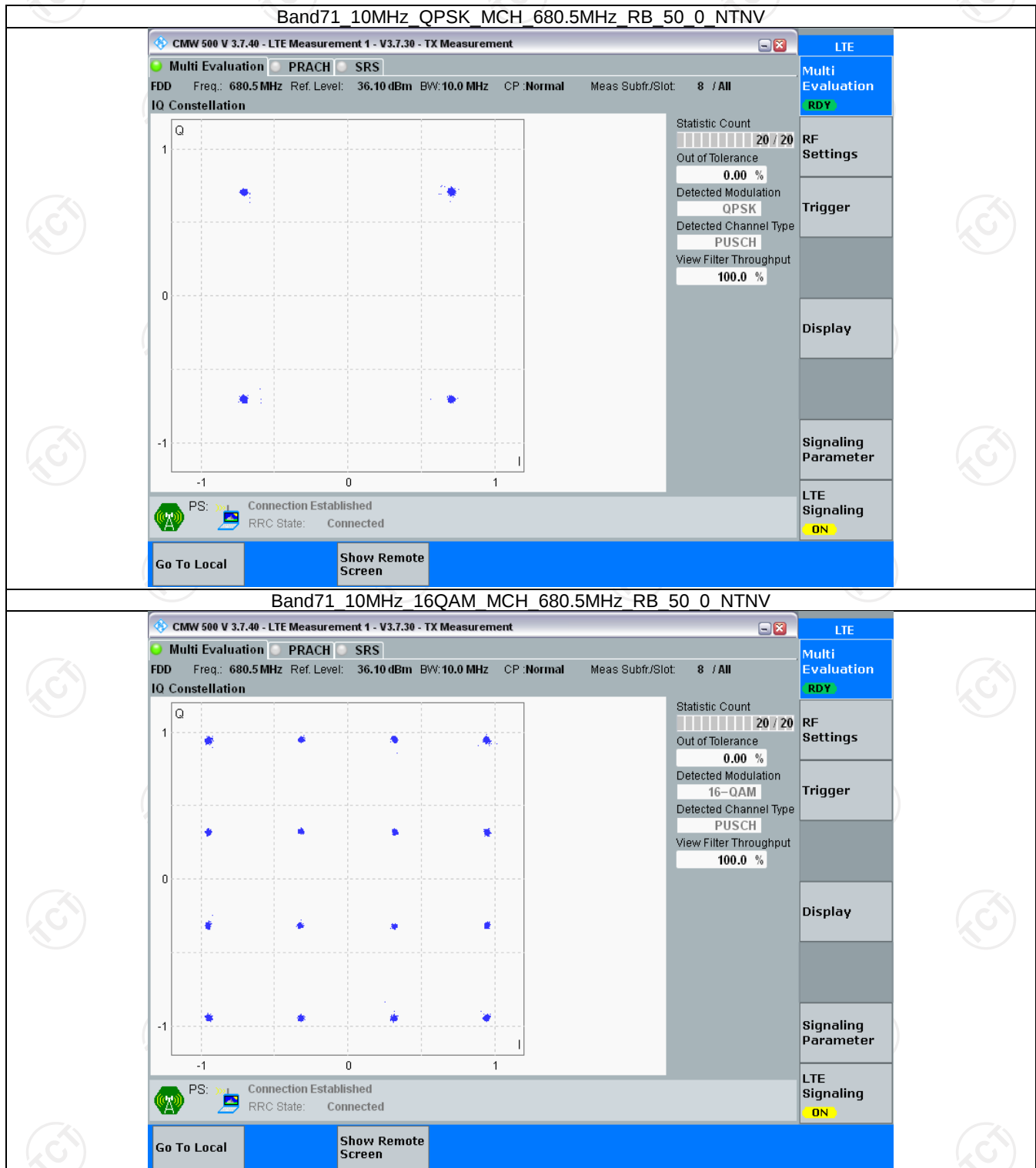
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

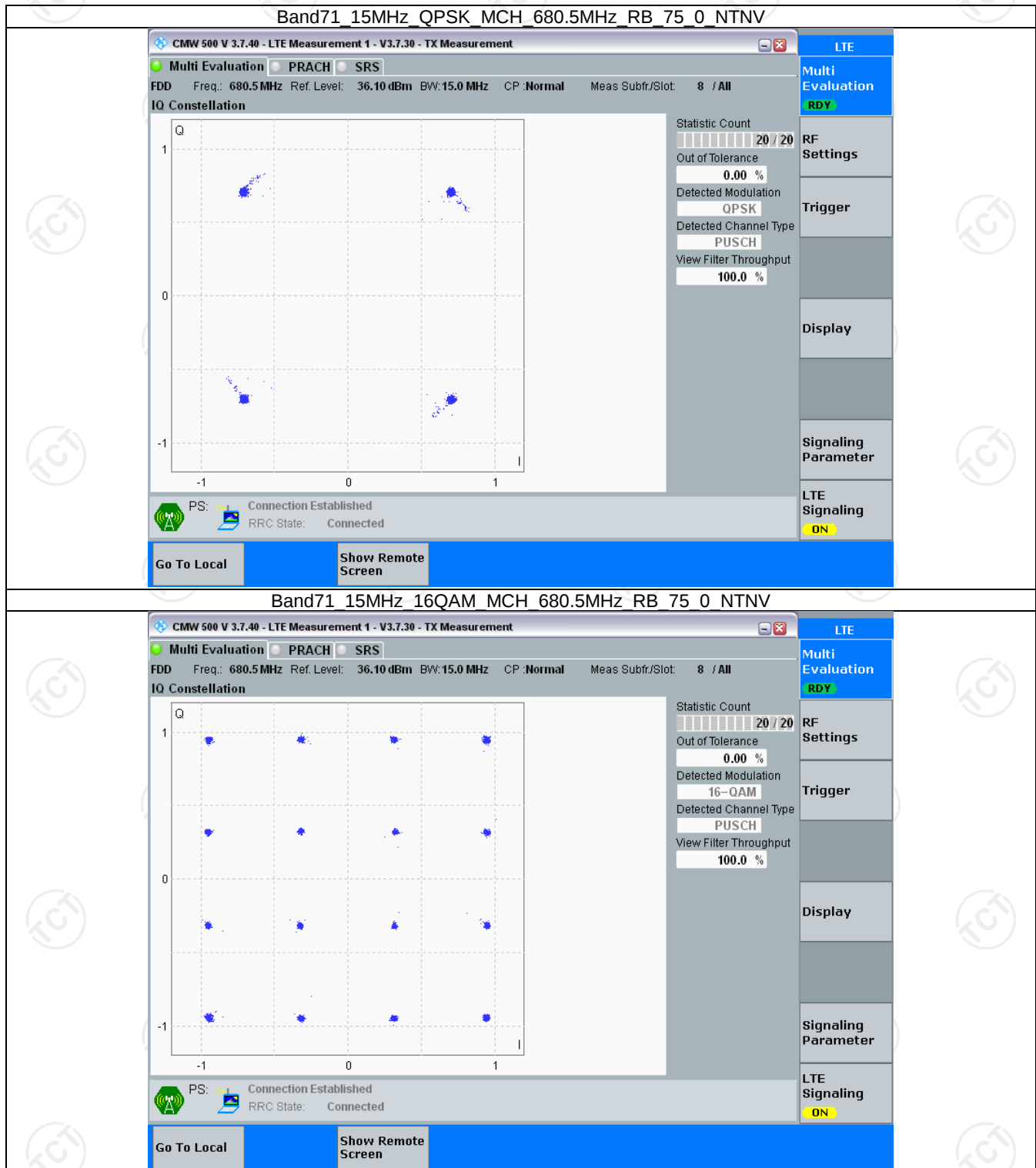
3.2.1 B71_5MHz



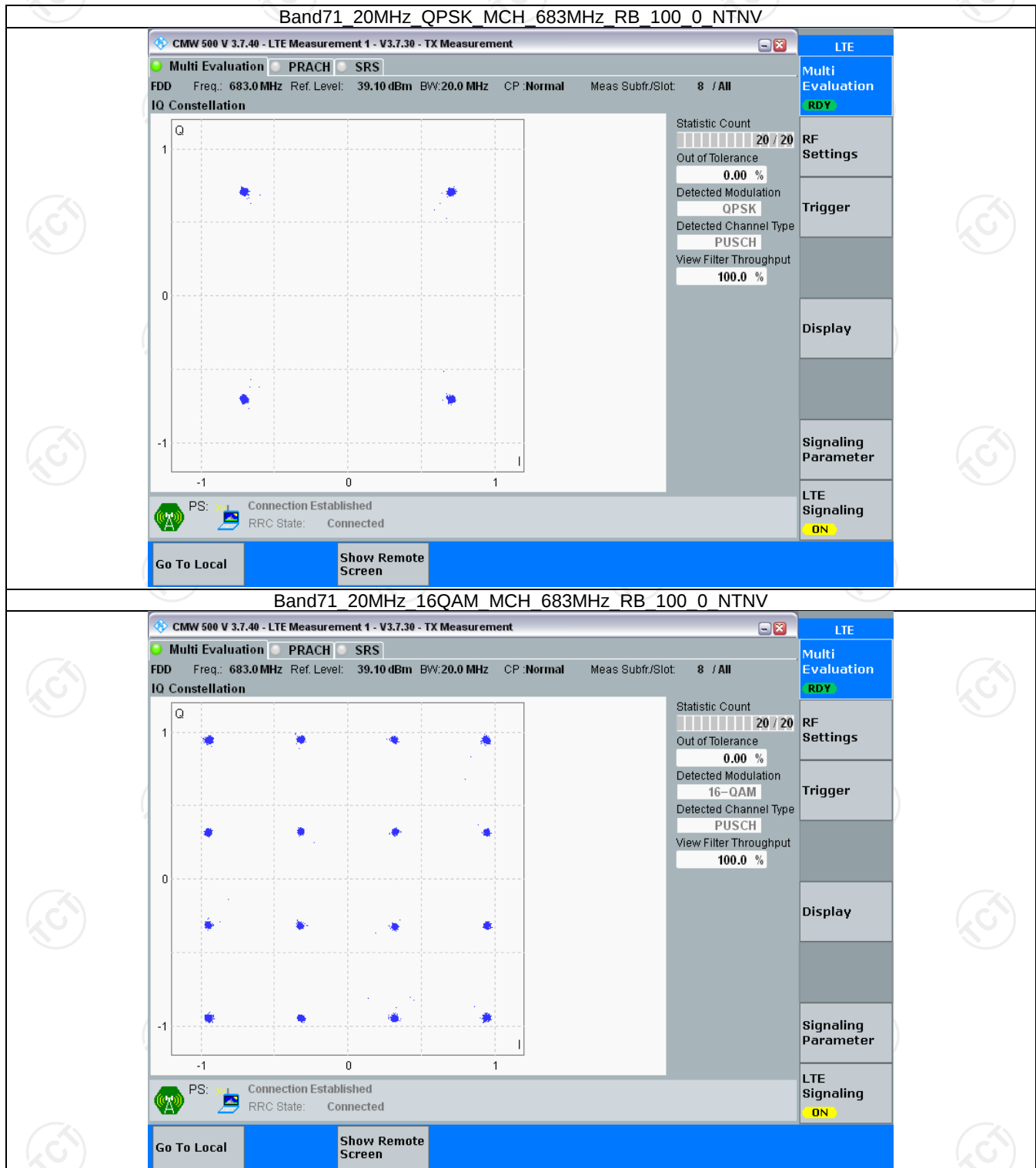
3.2.2 B71_10MHz



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	4.558	/	Pass
		680.5	25	0	4.566	/	Pass
		695.5	25	0	4.594	/	Pass
	16QAM	665.5	25	0	4.582	/	Pass
		680.5	25	0	4.552	/	Pass
		695.5	25	0	4.570	/	Pass
10	QPSK	668	50	0	9.060	/	Pass
		680.5	50	0	9.057	/	Pass
		693	50	0	9.113	/	Pass
	16QAM	668	50	0	9.105	/	Pass
		680.5	50	0	9.075	/	Pass
		693	50	0	9.110	/	Pass
15	QPSK	670.5	75	0	13.591	/	Pass
		680.5	75	0	13.637	/	Pass
		690.5	75	0	13.666	/	Pass
	16QAM	670.5	75	0	13.608	/	Pass
		680.5	75	0	13.626	/	Pass
		690.5	75	0	13.651	/	Pass
20	QPSK	673	100	0	18.070	/	Pass
		683	100	0	18.151	/	Pass
		688	100	0	18.065	/	Pass
	16QAM	673	100	0	18.178	/	Pass
		683	100	0	18.165	/	Pass
		688	100	0	18.097	/	Pass

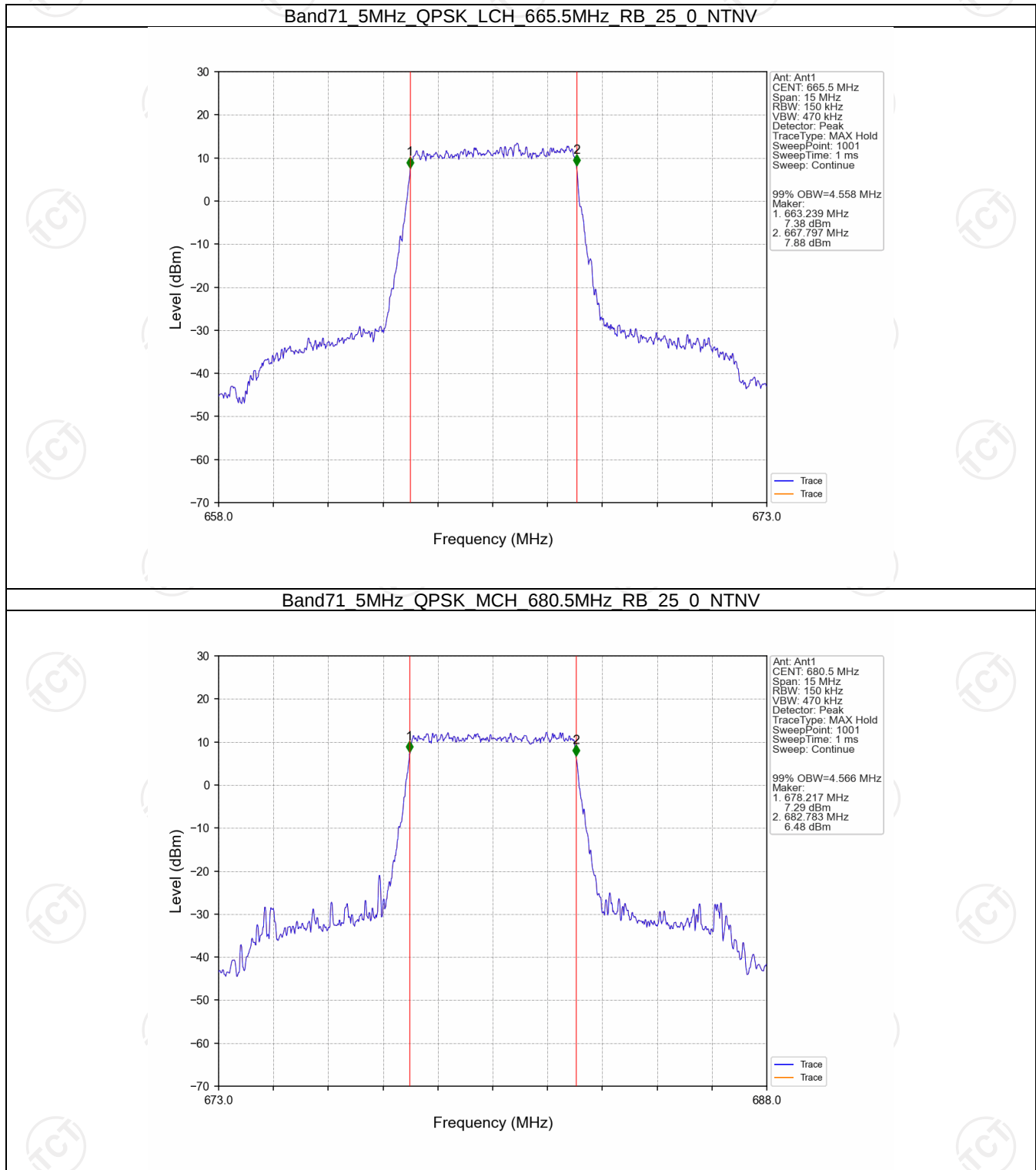
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.181	/	Pass
		680.5	25	0	5.246	/	Pass
		695.5	25	0	5.264	/	Pass
	16QAM	665.5	25	0	5.303	/	Pass
		680.5	25	0	5.266	/	Pass
		695.5	25	0	5.269	/	Pass
10	QPSK	668	50	0	10.280	/	Pass
		680.5	50	0	10.245	/	Pass
		693	50	0	10.426	/	Pass
	16QAM	668	50	0	10.188	/	Pass
		680.5	50	0	10.065	/	Pass
		693	50	0	10.278	/	Pass
15	QPSK	670.5	75	0	15.360	/	Pass
		680.5	75	0	17.792	/	Pass
		690.5	75	0	15.356	/	Pass

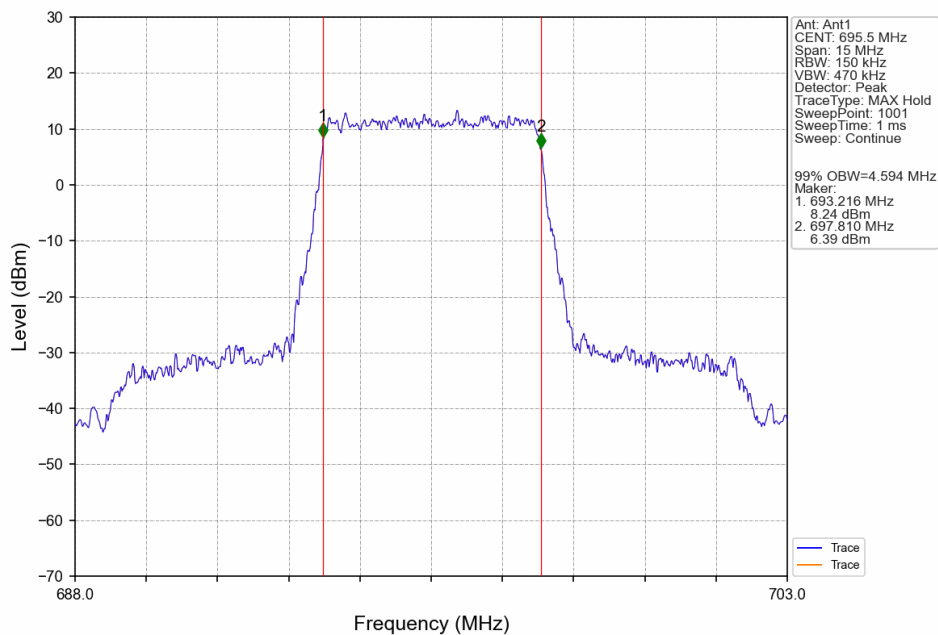
20	16QAM	670.5	75	0	15.311	/	Pass
		680.5	75	0	16.062	/	Pass
		690.5	75	0	15.356	/	Pass
	QPSK	673	100	0	19.877	/	Pass
		683	100	0	20.412	/	Pass
		688	100	0	20.126	/	Pass
	16QAM	673	100	0	20.006	/	Pass
		683	100	0	22.128	/	Pass
		688	100	0	19.981	/	Pass

4.2 Test Graph

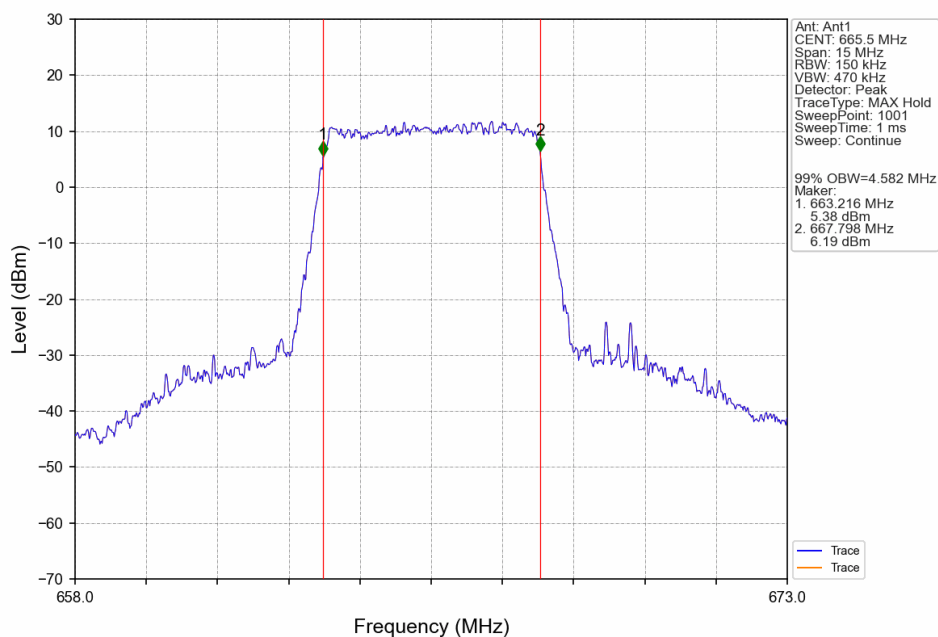
4.2.1 Band71_OBW



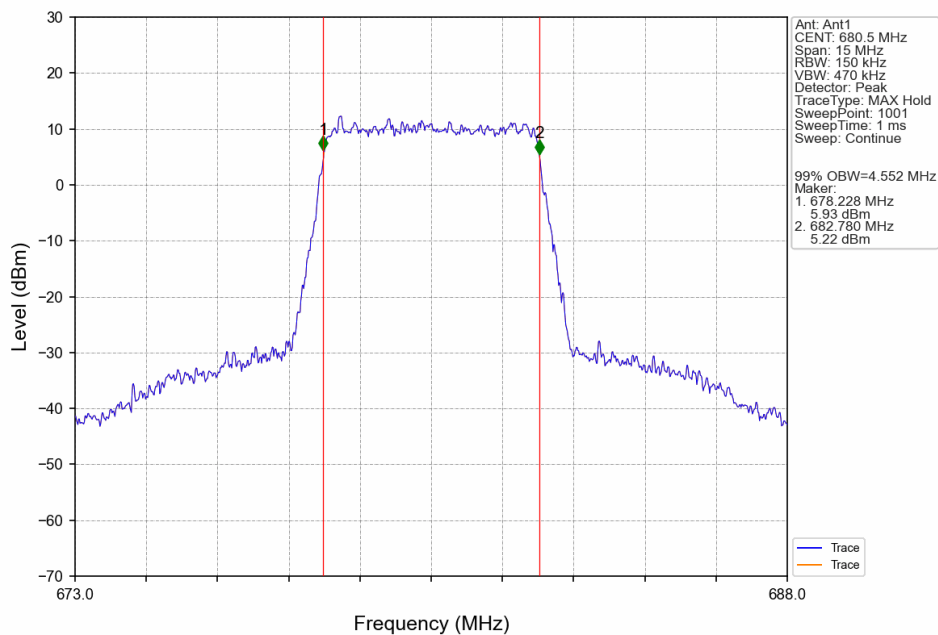
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



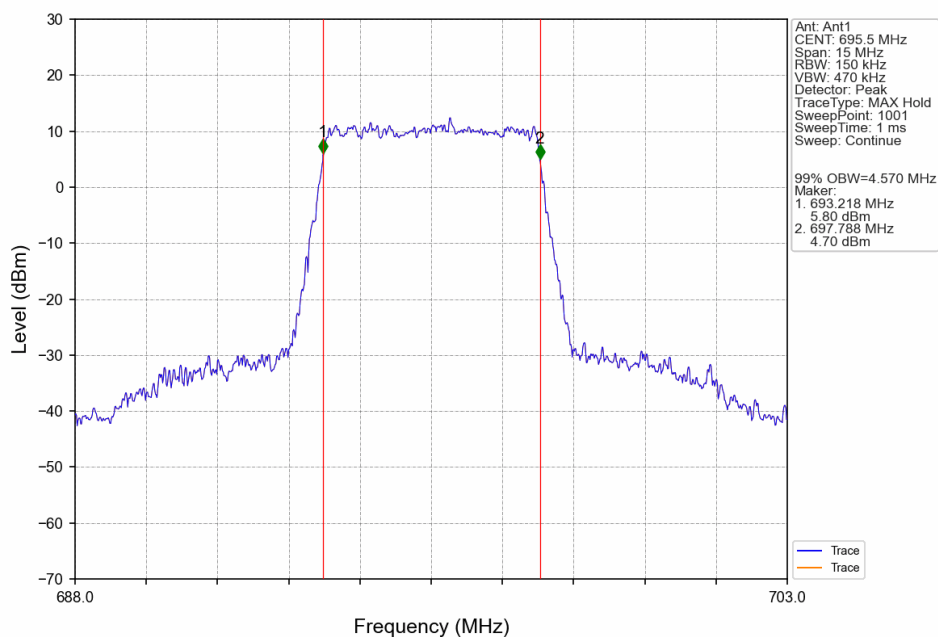
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTV



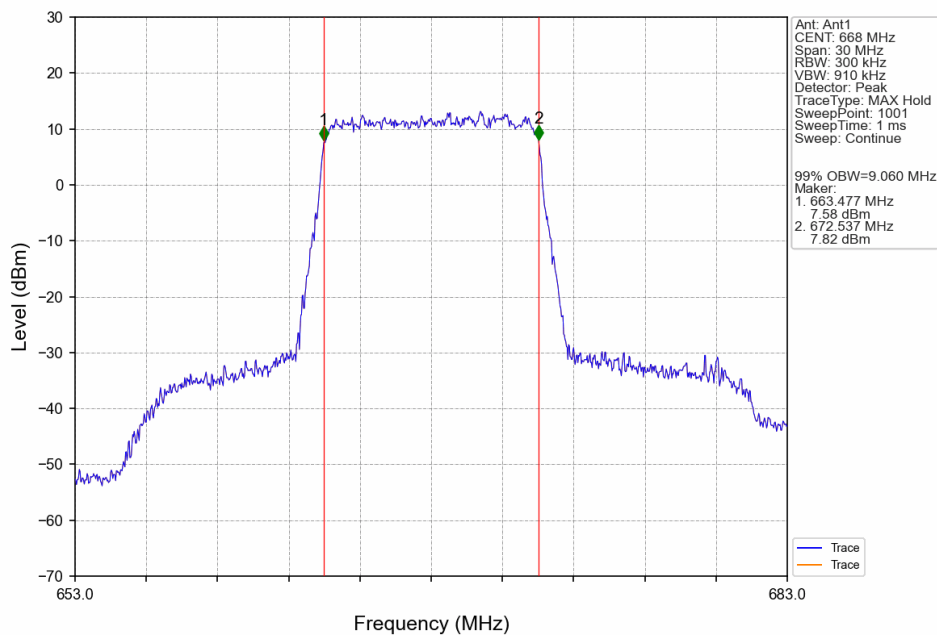
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



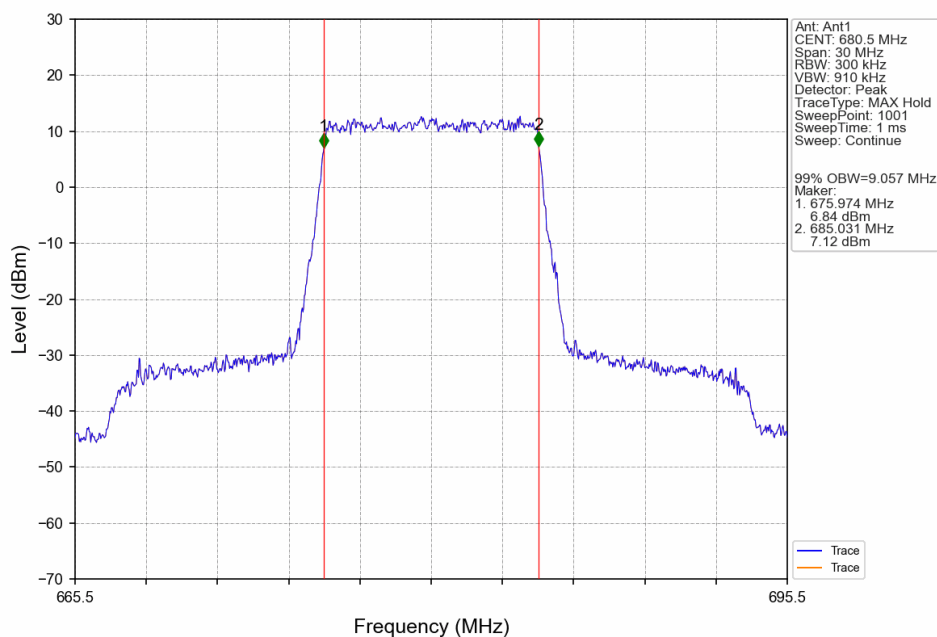
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



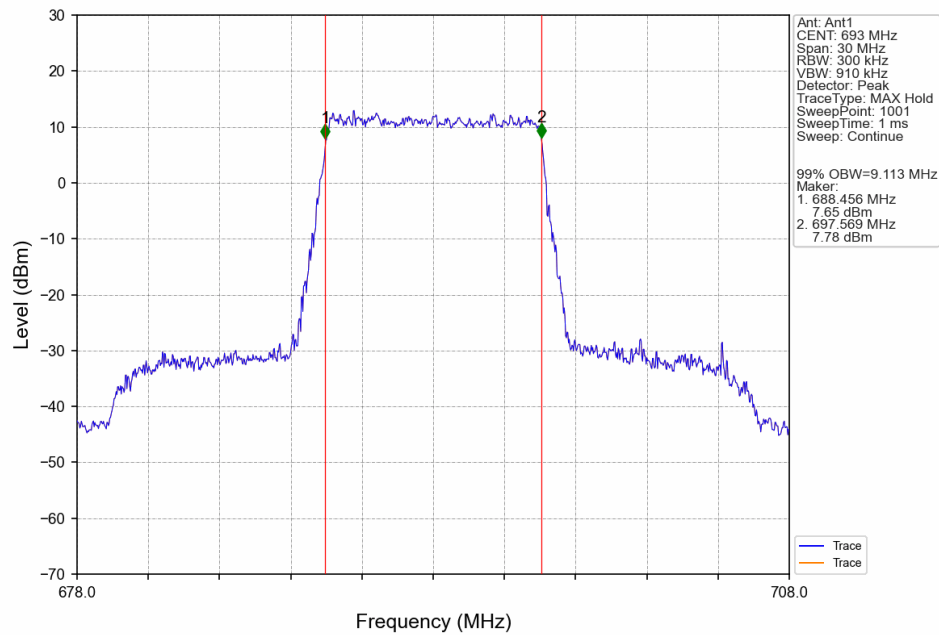
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



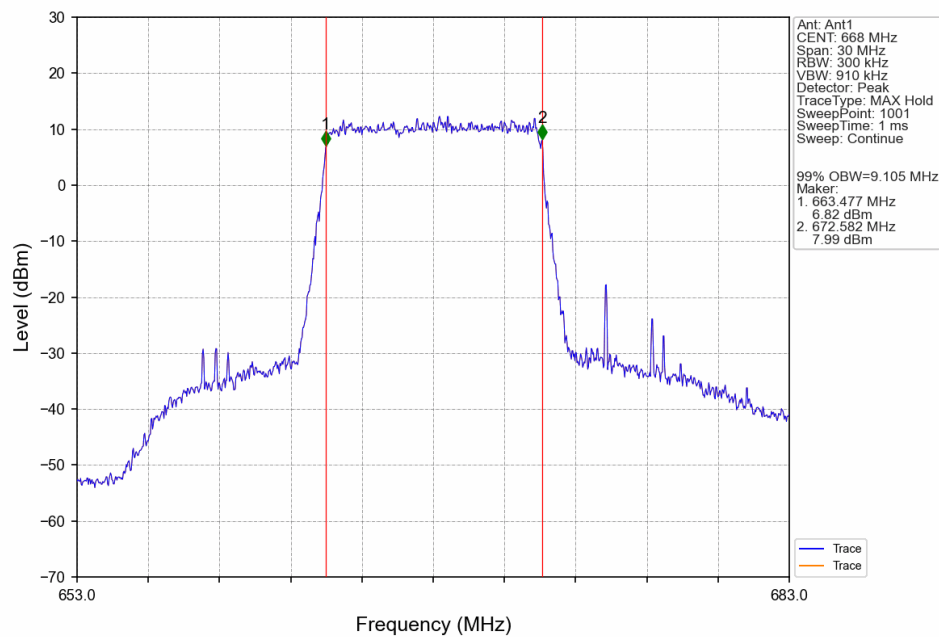
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



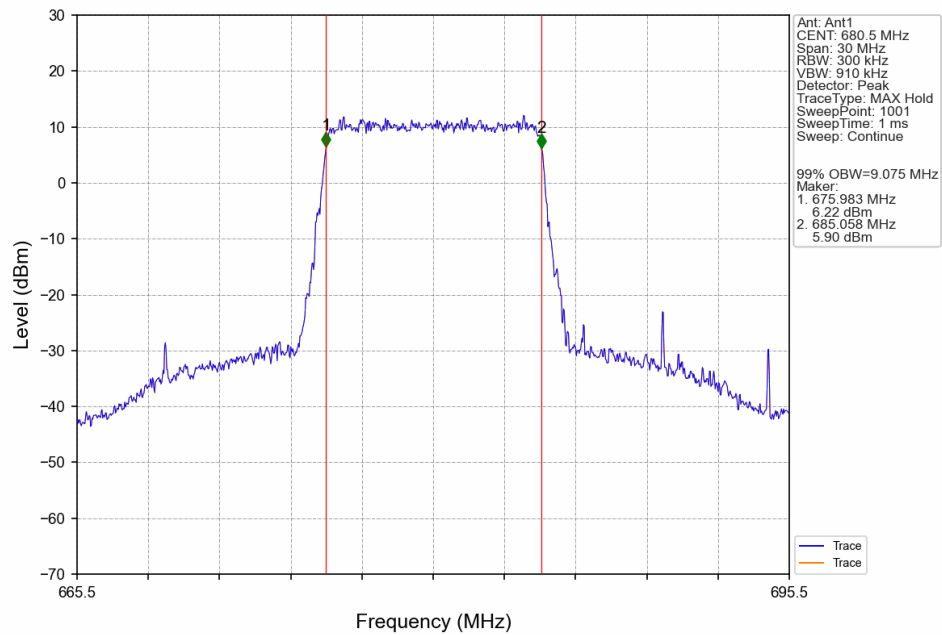
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



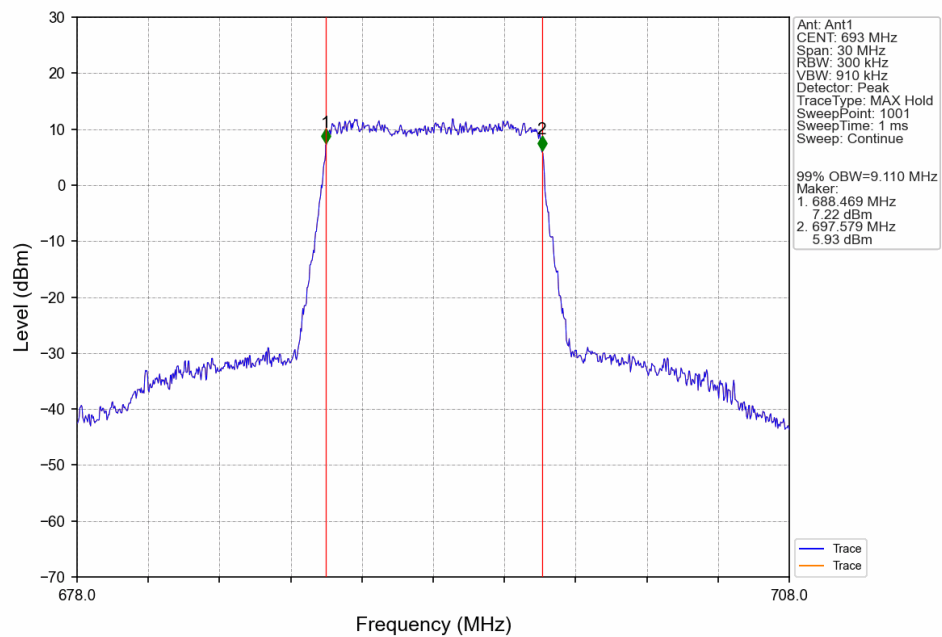
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



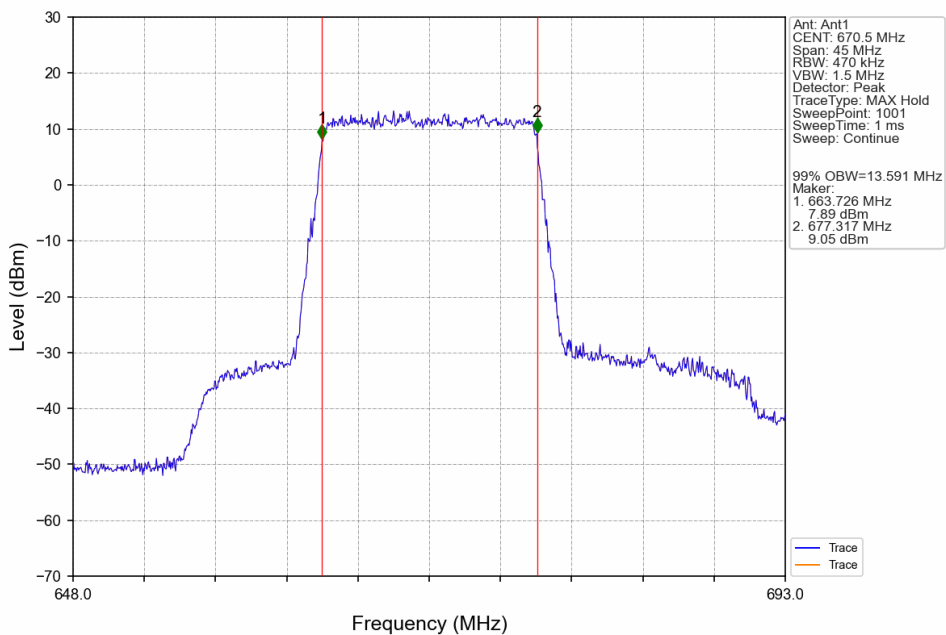
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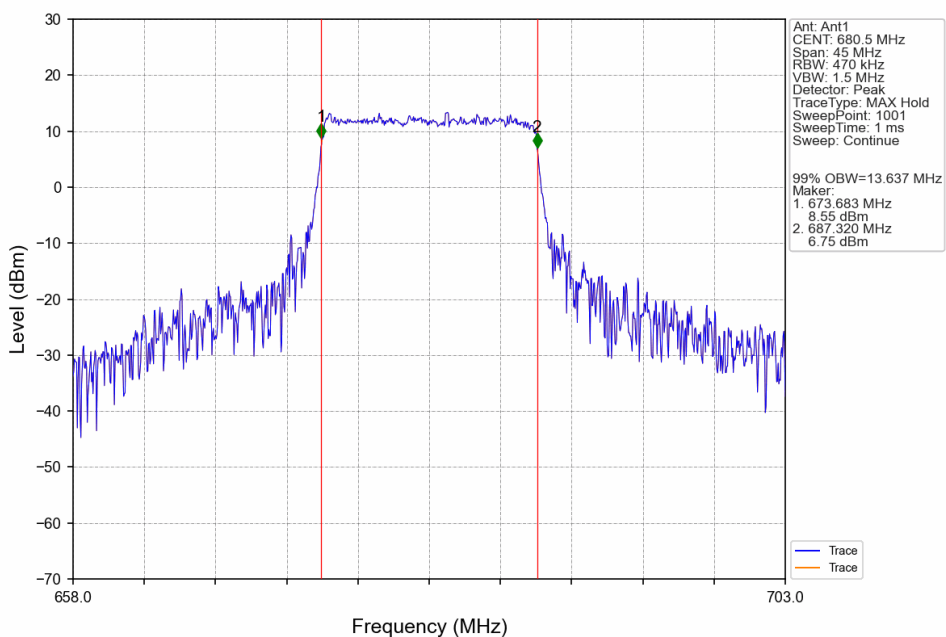
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



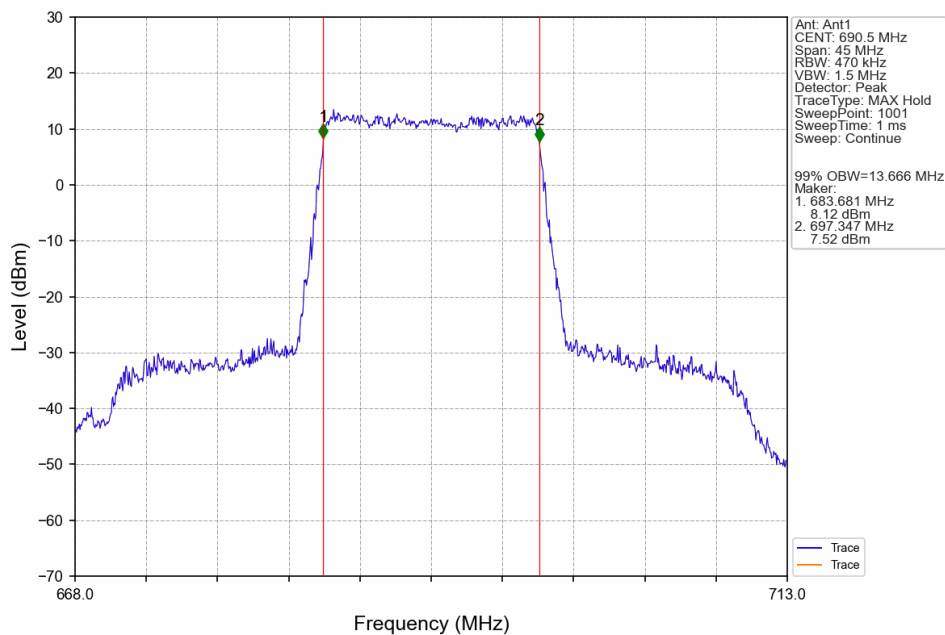
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



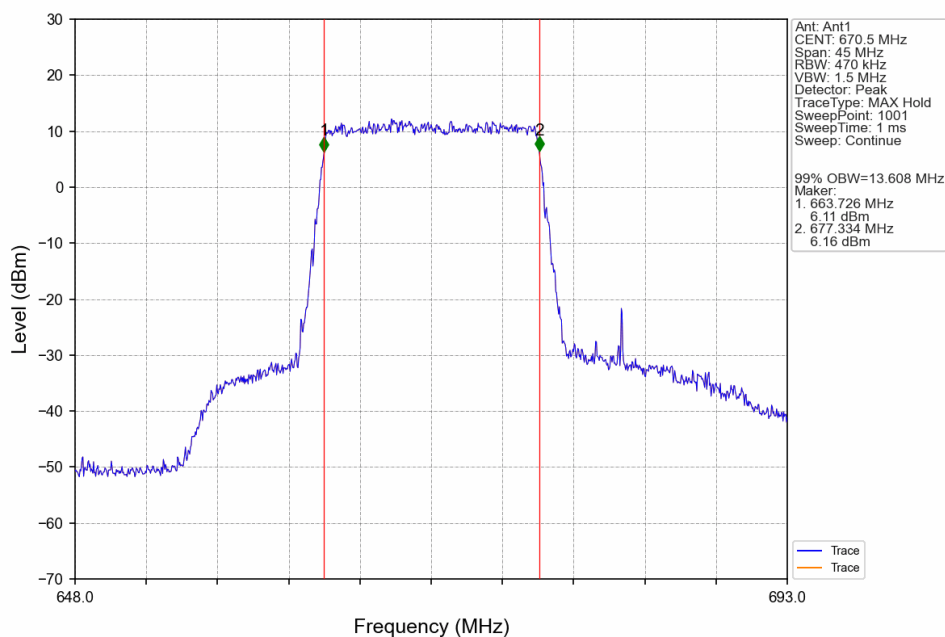
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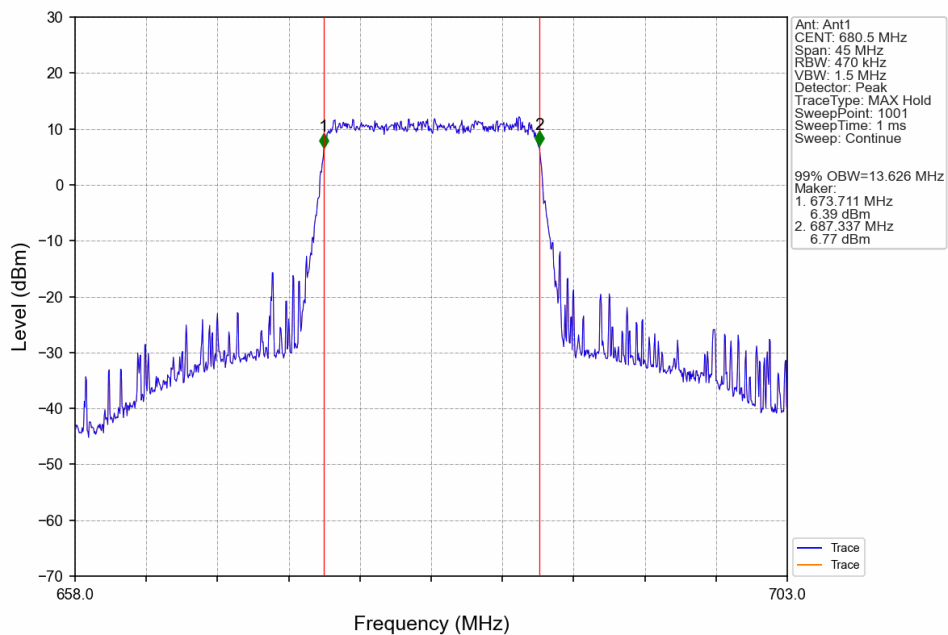
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



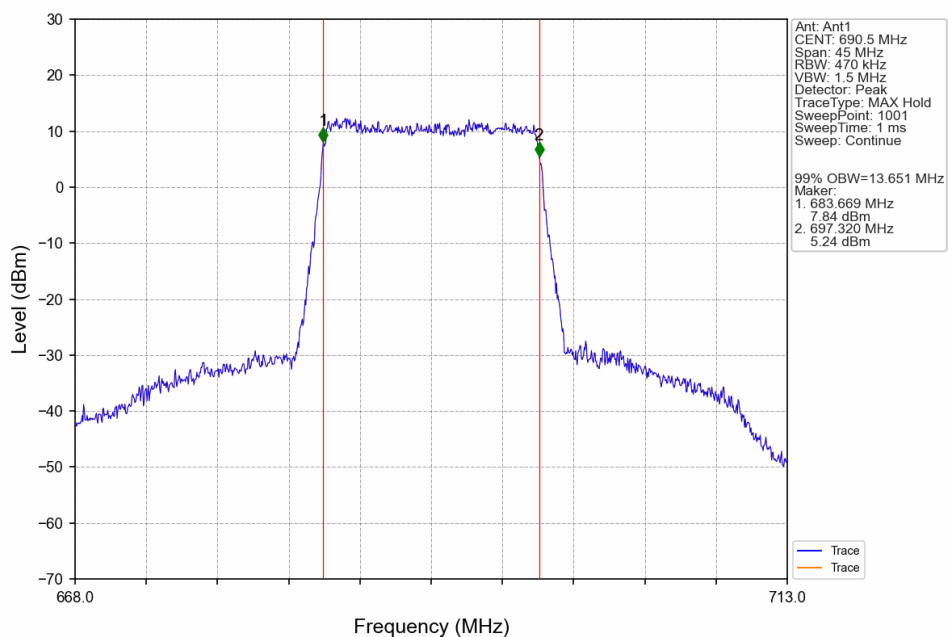
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



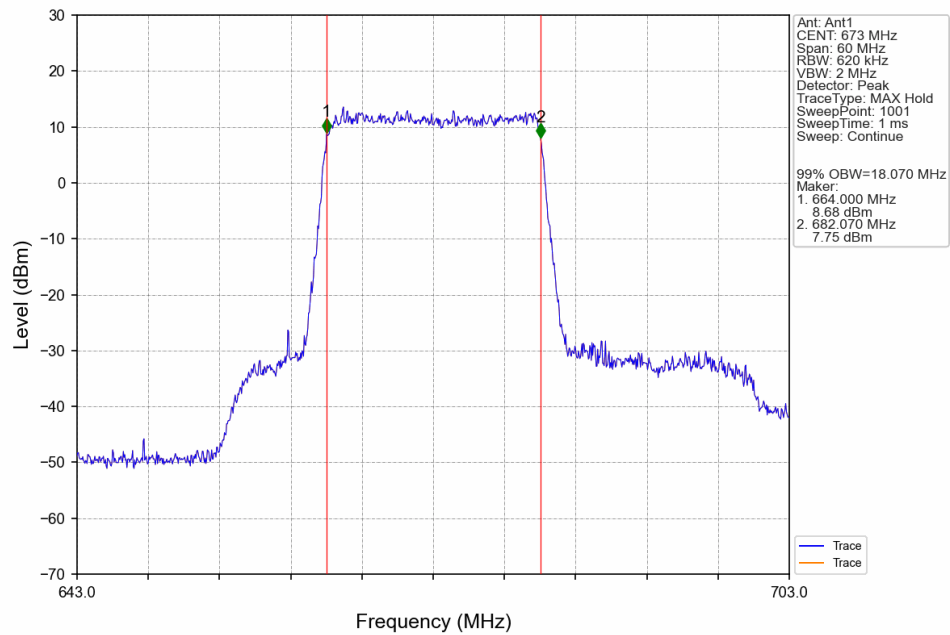
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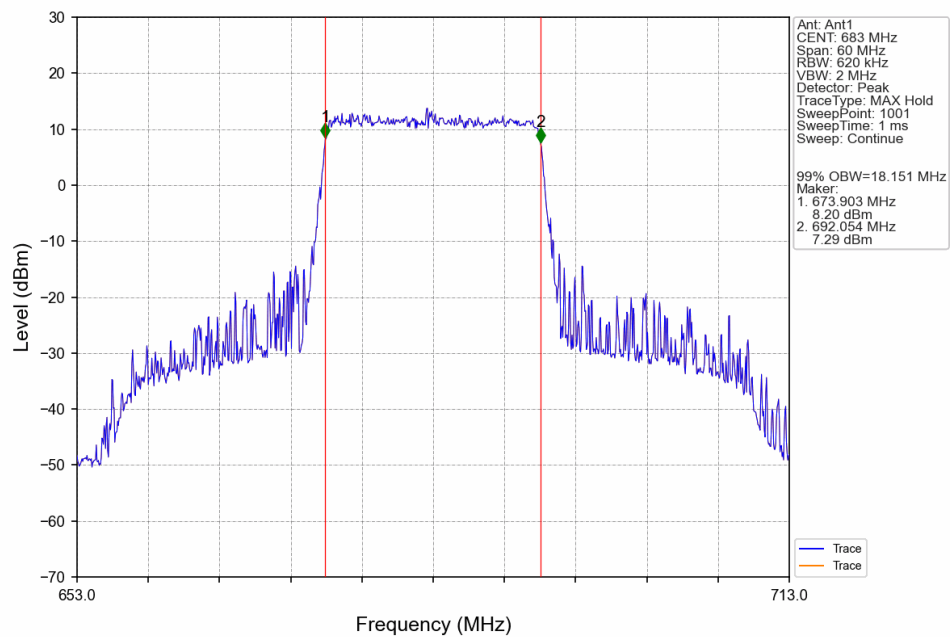
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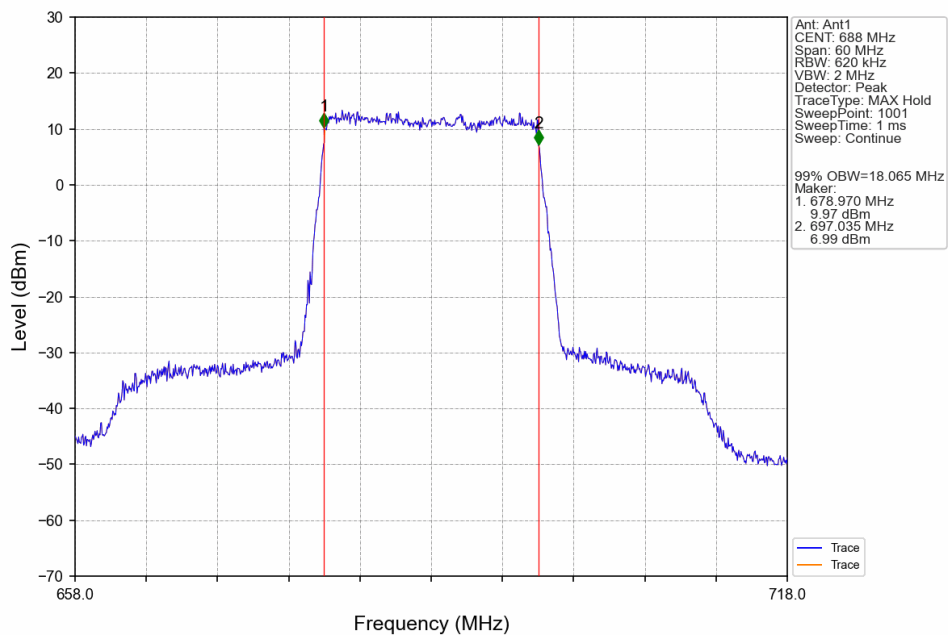
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



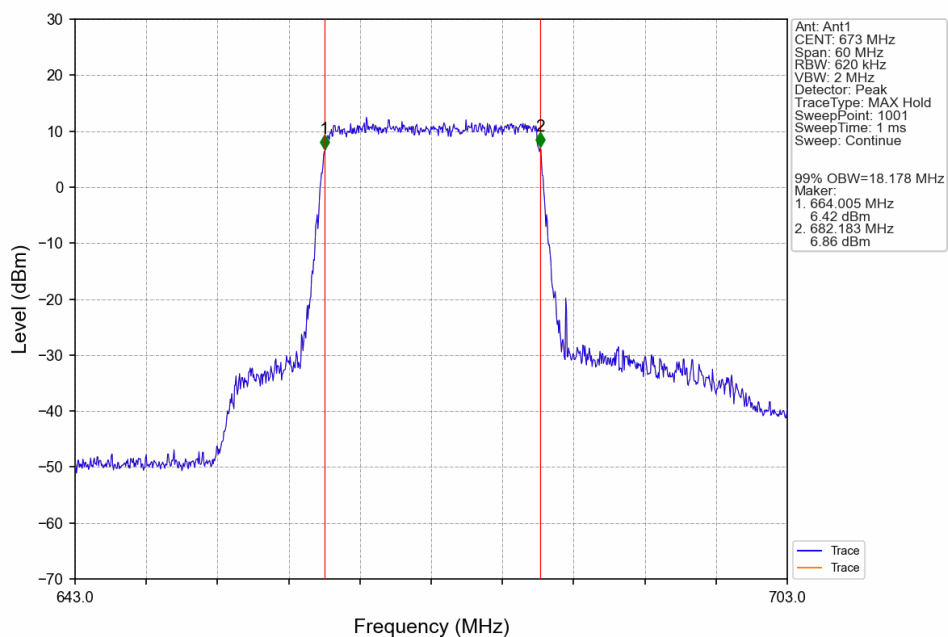
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTV



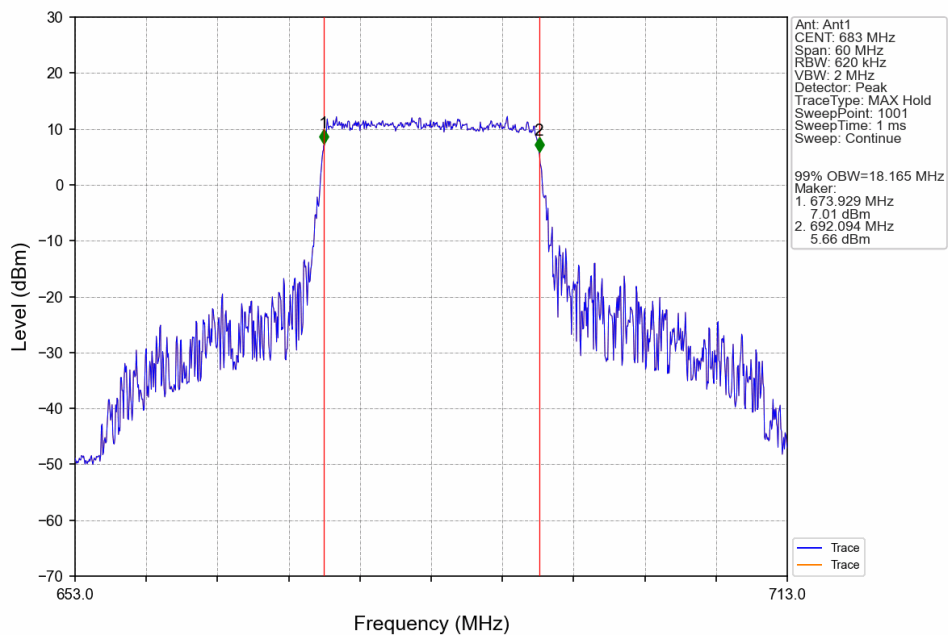
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



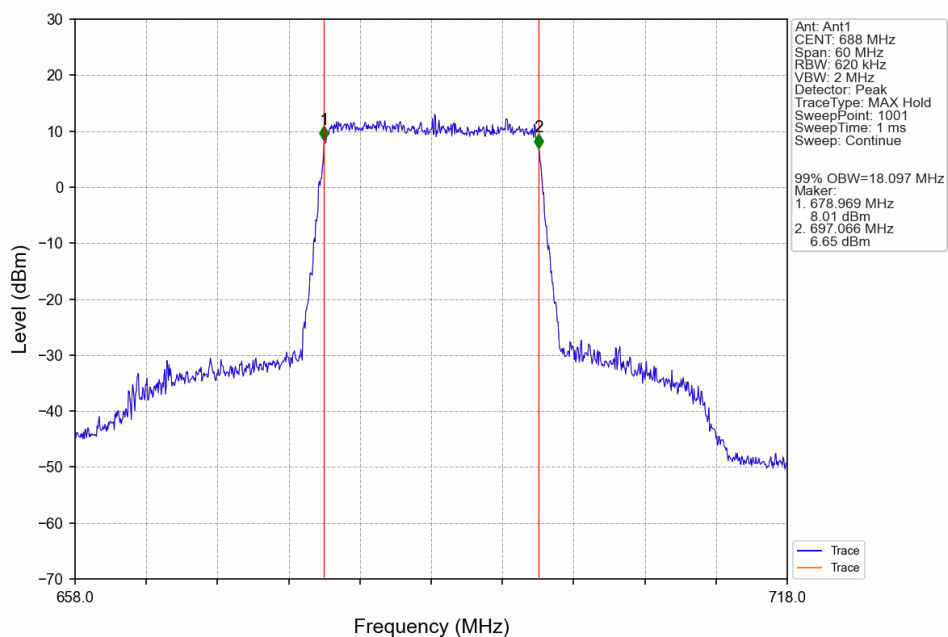
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



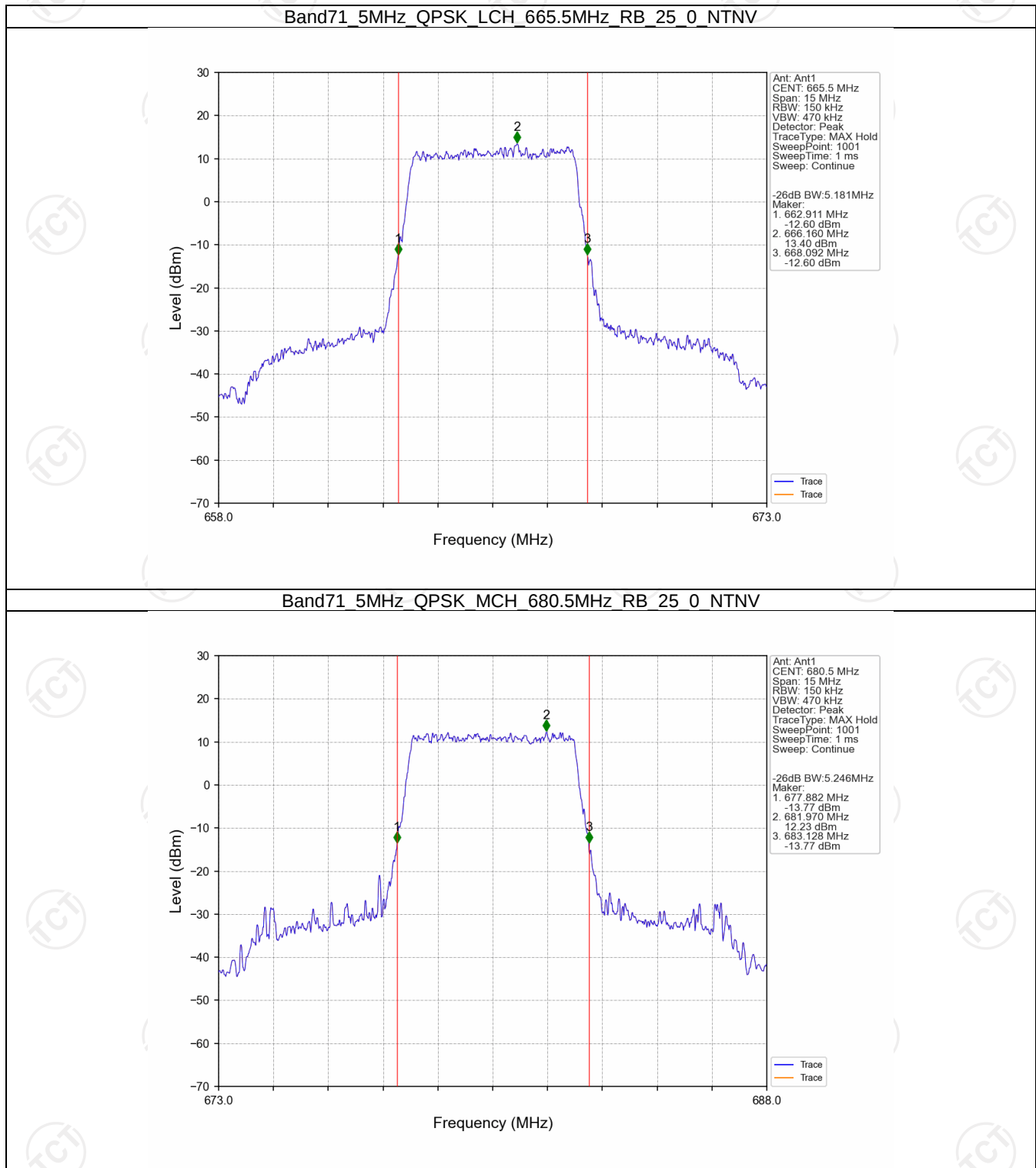
Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



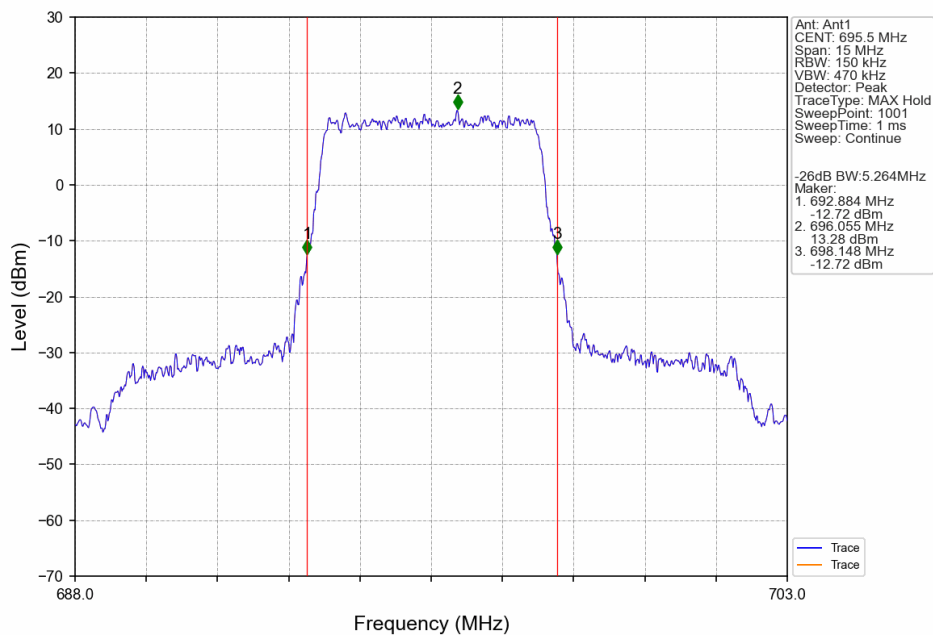
Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



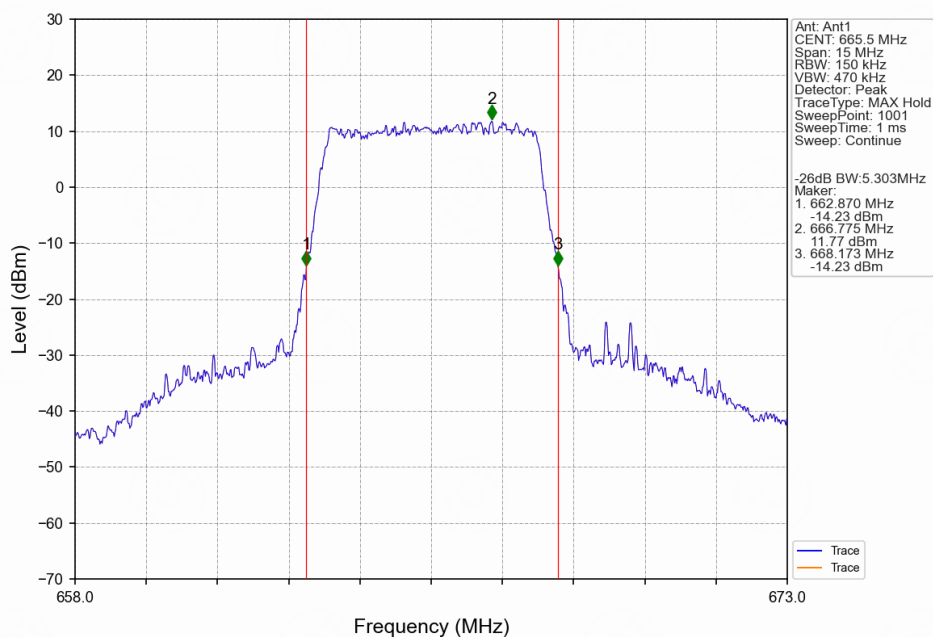
4.2.2 Band71_XDB



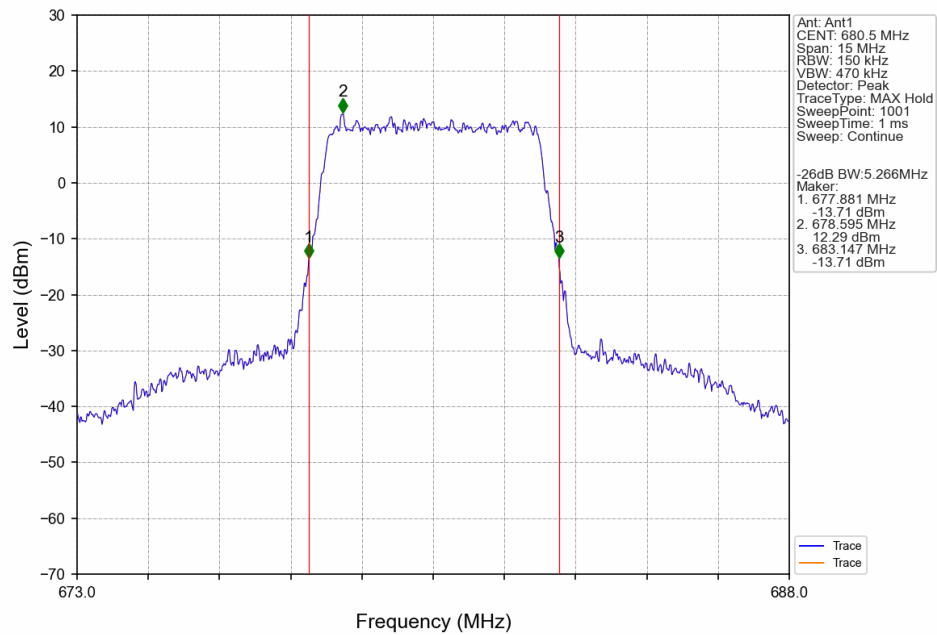
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



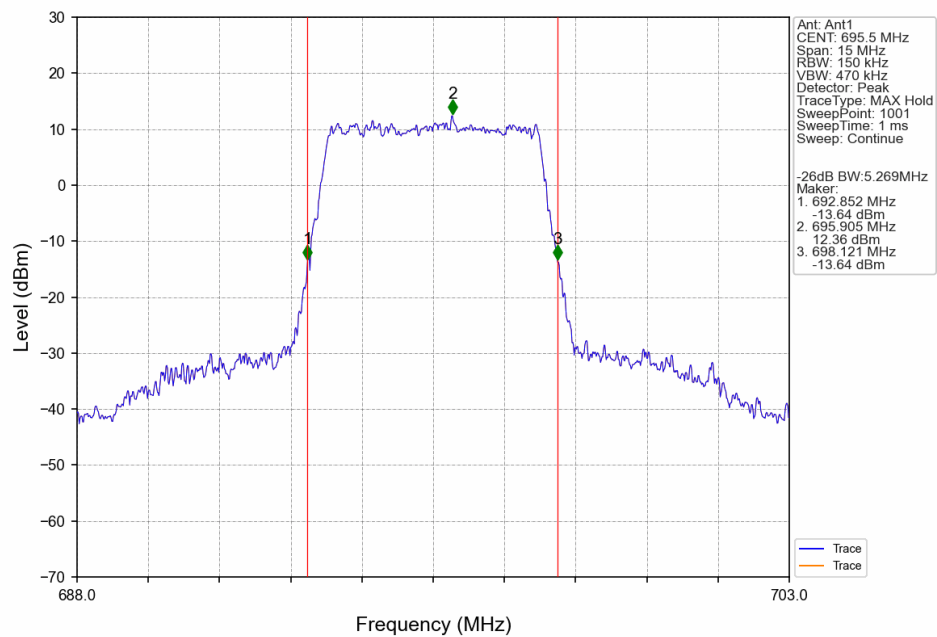
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



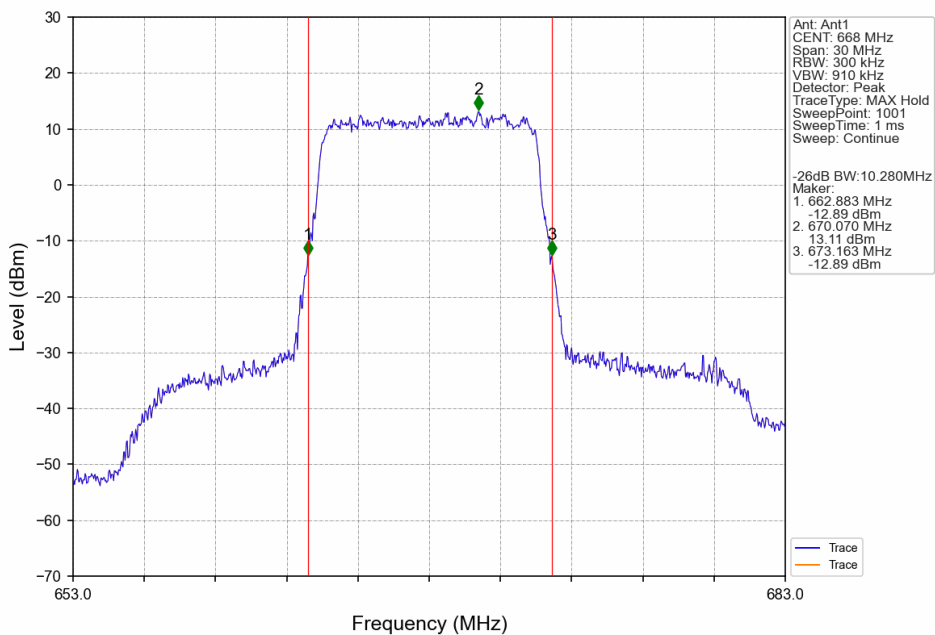
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTN



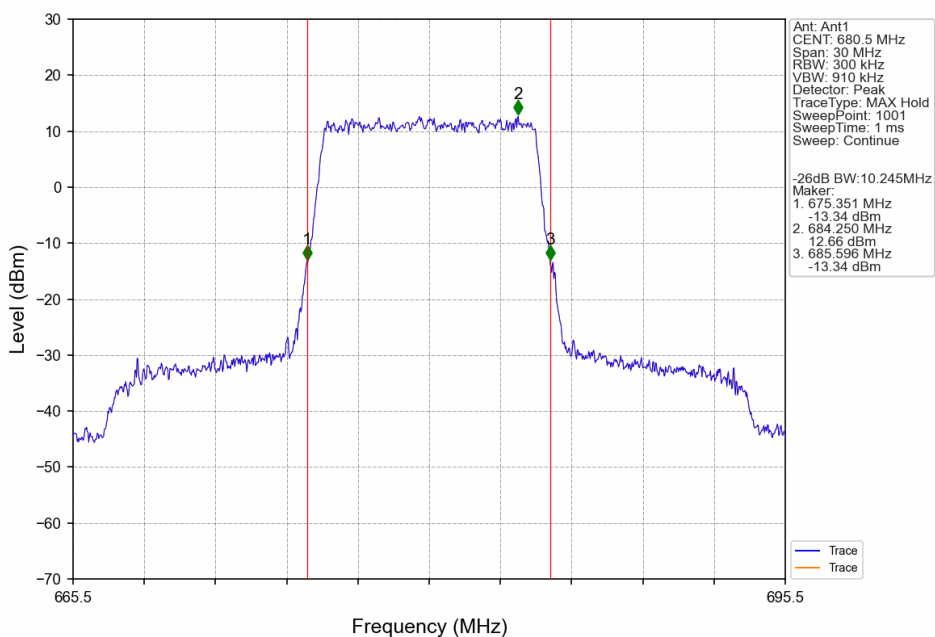
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTN



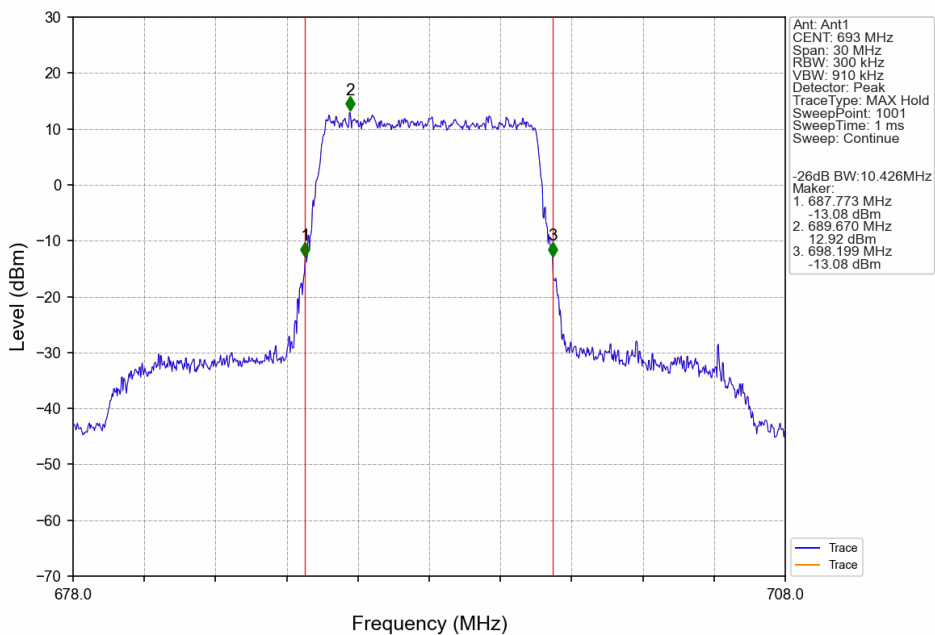
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



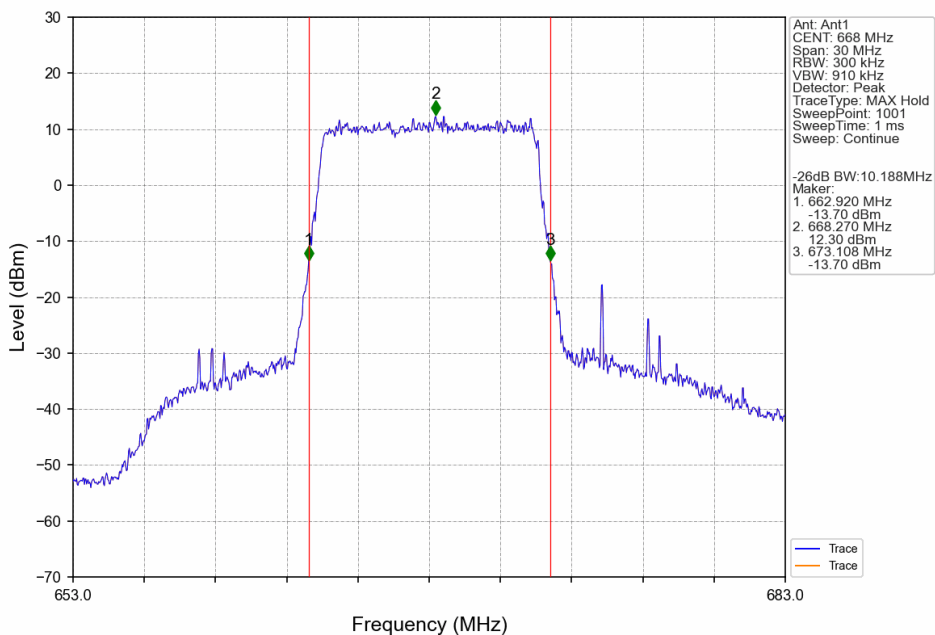
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



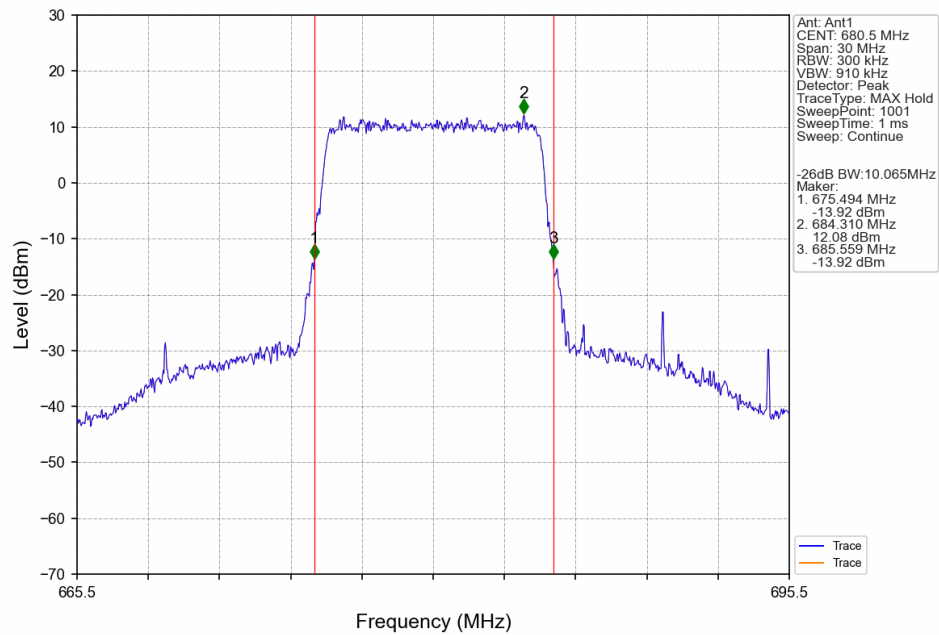
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



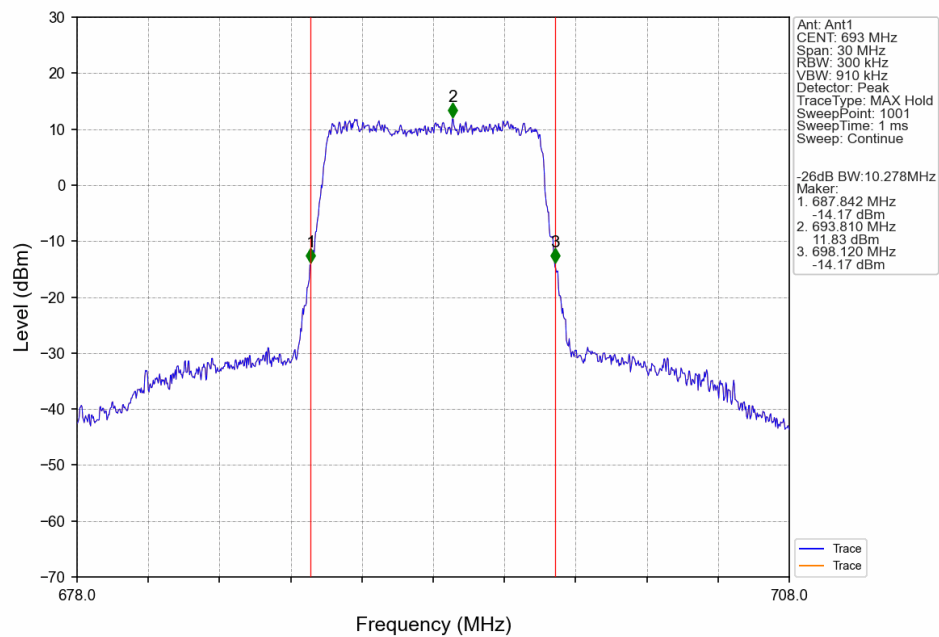
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



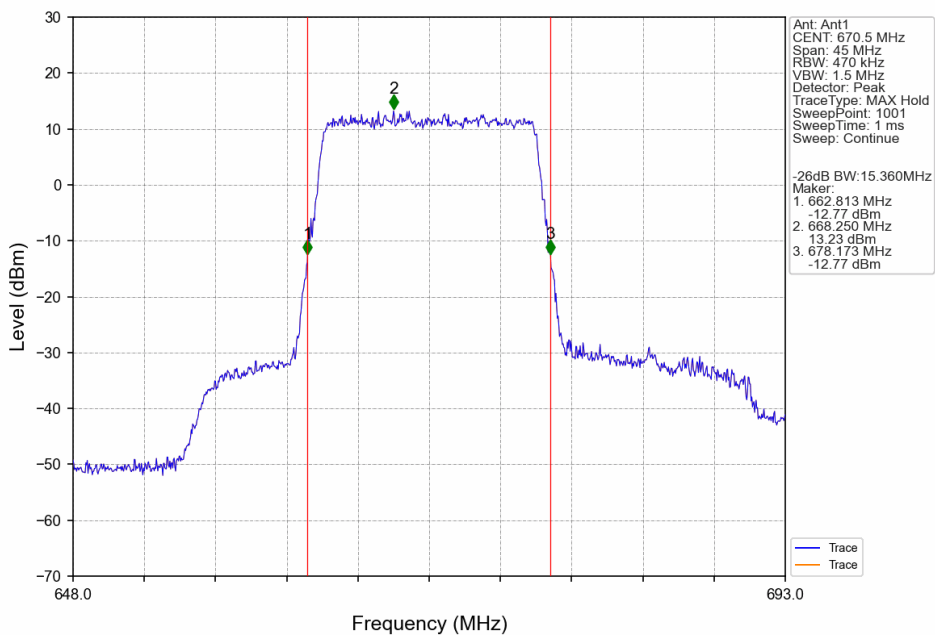
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



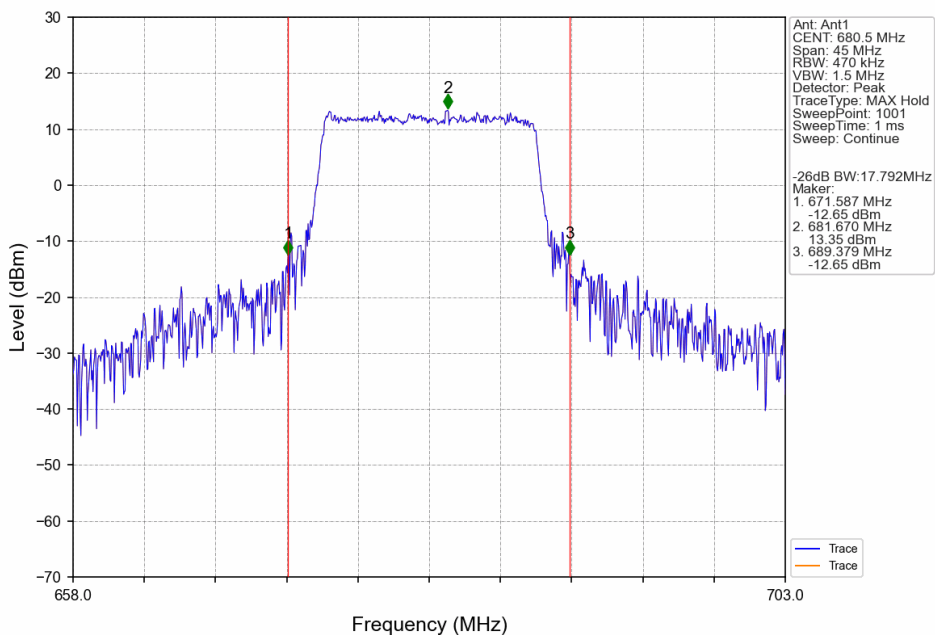
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



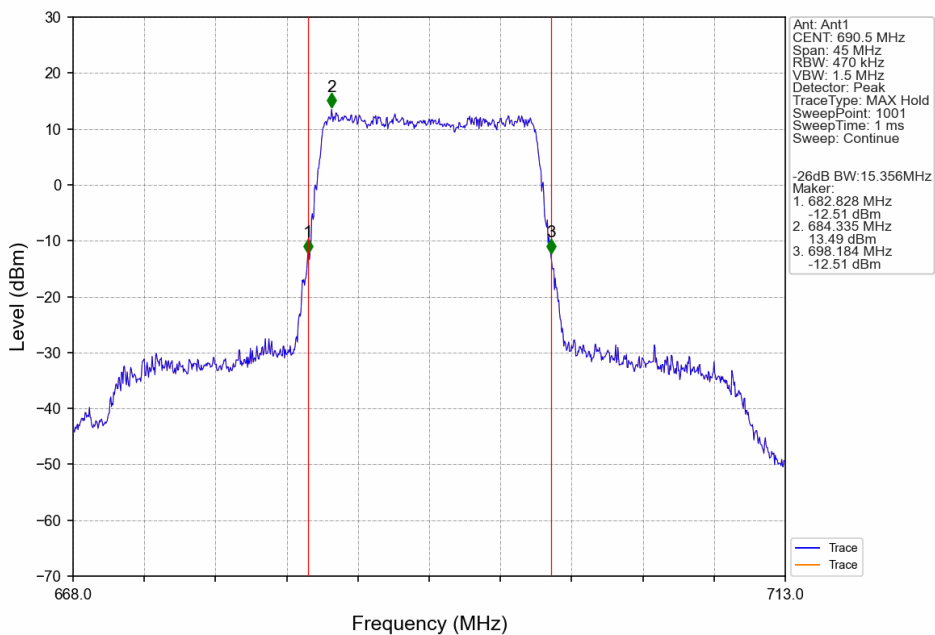
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



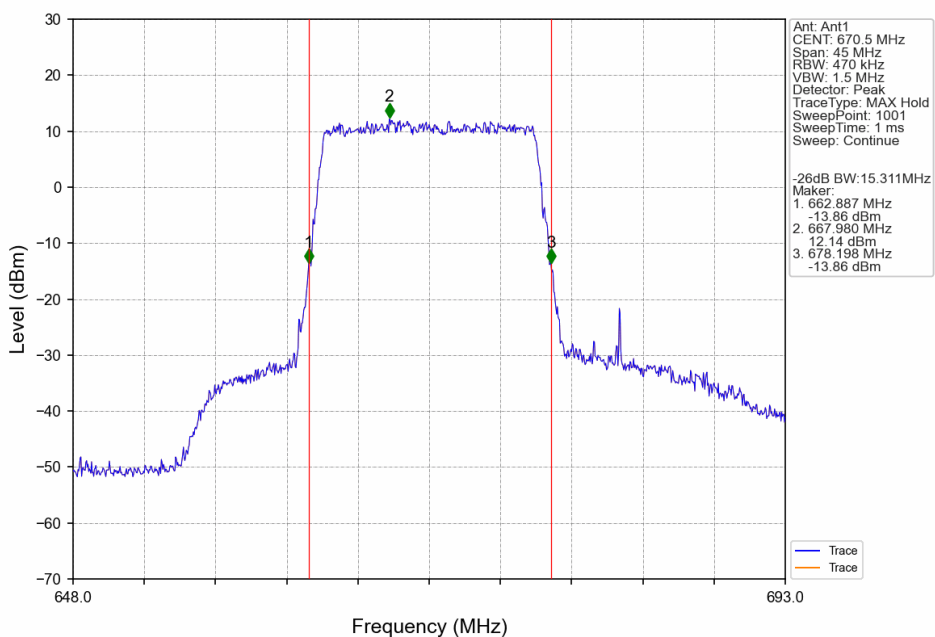
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTV



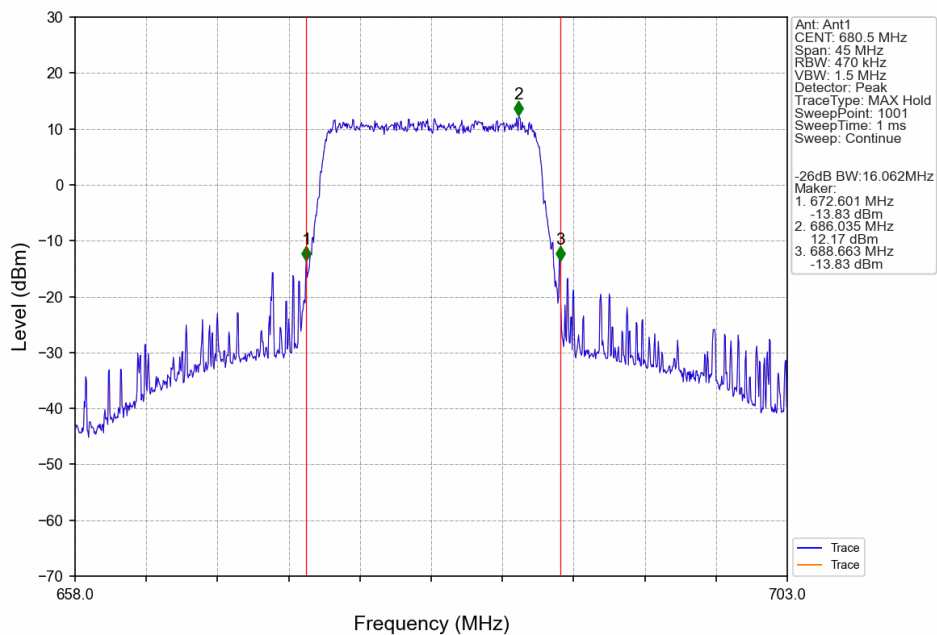
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



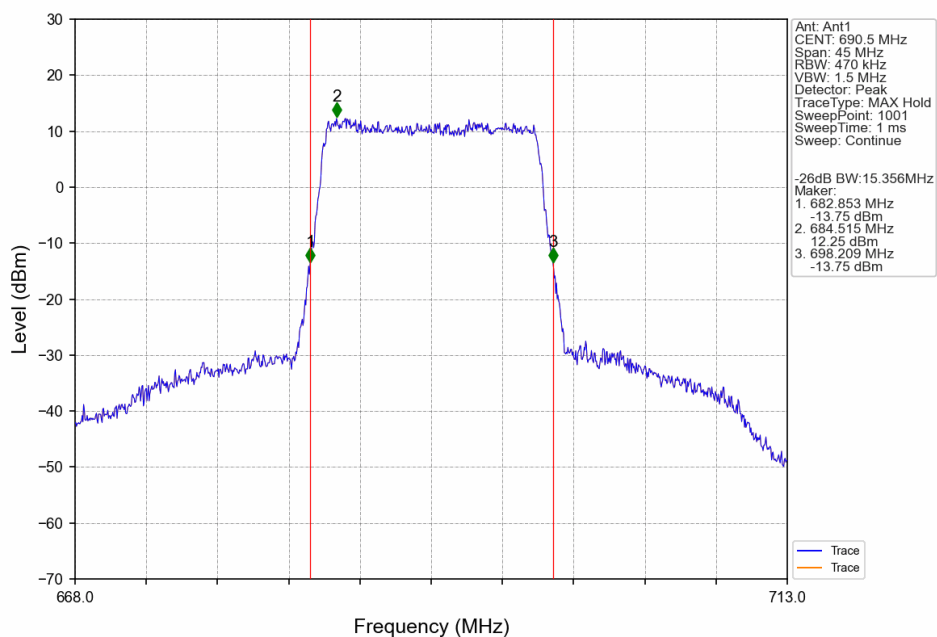
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



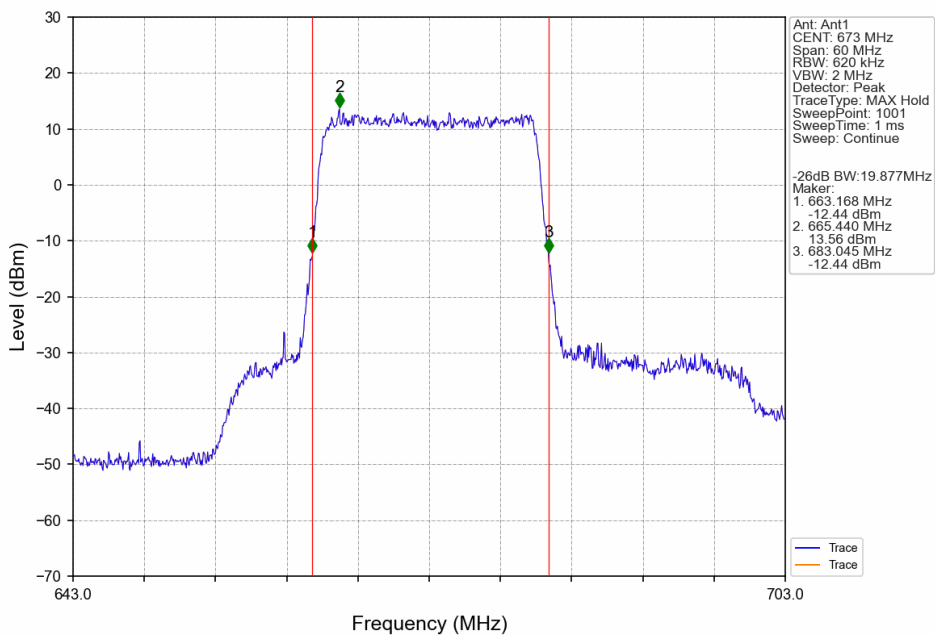
Band71 15MHz 16QAM MCH 680.5MHz RB 75 0 NTN



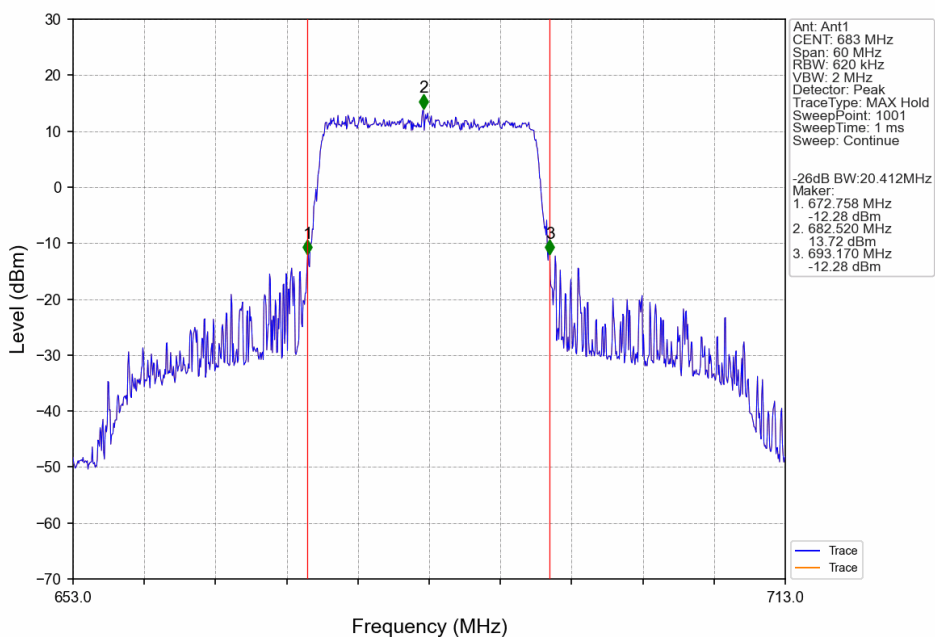
Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTN



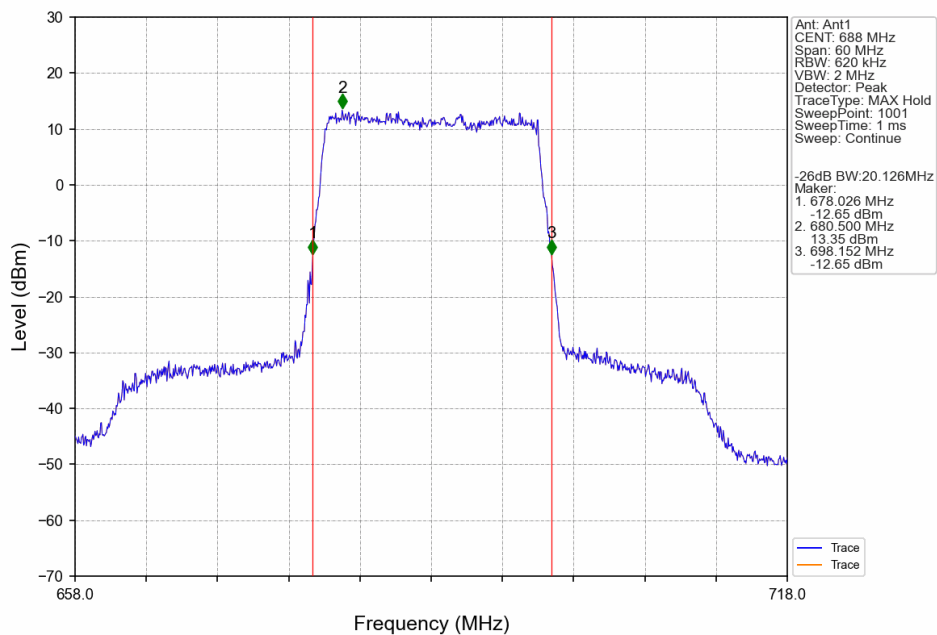
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



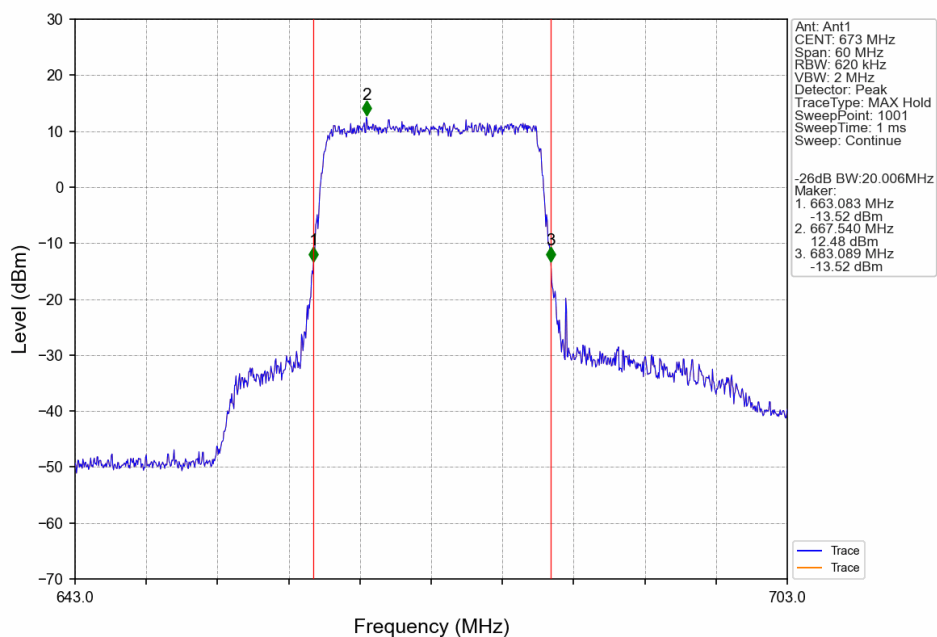
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTV



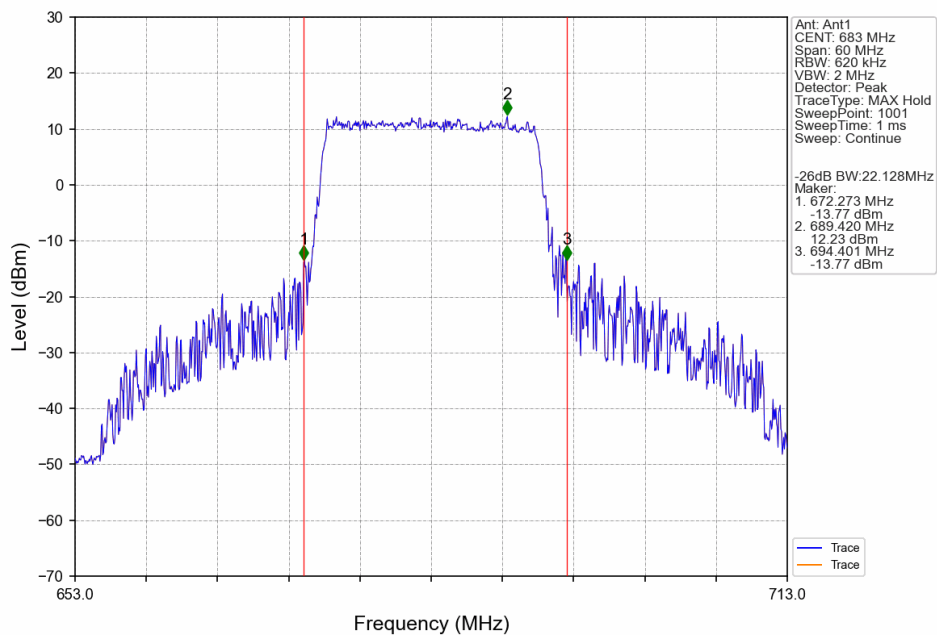
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



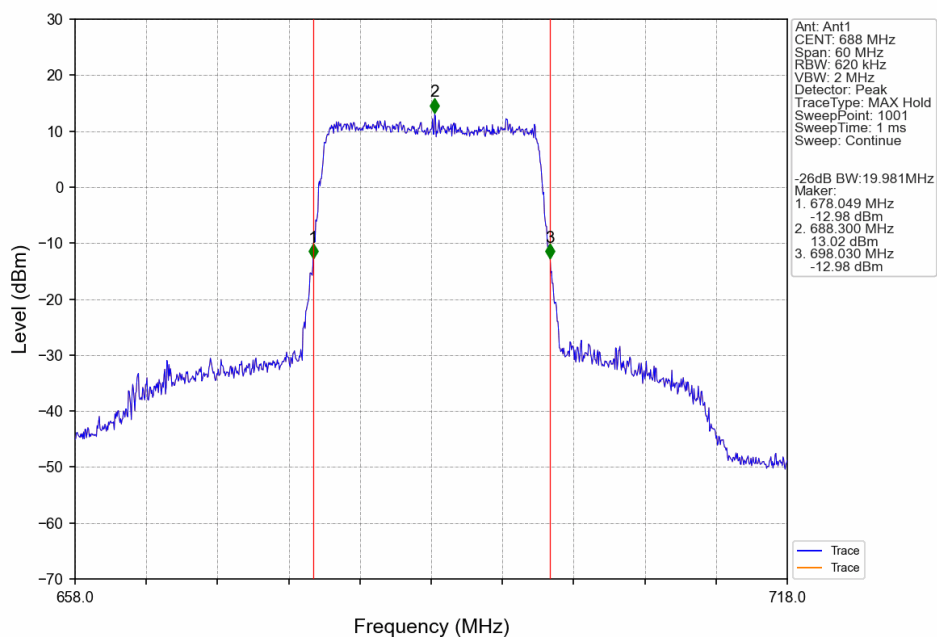
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTV



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	5.47	<=13	Pass
	680.5	25	0	5.63	<=13	Pass
	695.5	25	0	5.55	<=13	Pass
16QAM	665.5	25	0	6.16	<=13	Pass
	680.5	25	0	6.25	<=13	Pass
	695.5	25	0	6.16	<=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	5.46	<=13	Pass
	680.5	50	0	5.57	<=13	Pass
	693	50	0	5.60	<=13	Pass
16QAM	668	50	0	6.21	<=13	Pass
	680.5	50	0	6.29	<=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	5.77	<=13	Pass
	680.5	75	0	5.82	<=13	Pass
	690.5	75	0	5.86	<=13	Pass
16QAM	670.5	75	0	6.24	<=13	Pass
	680.5	75	0	6.30	<=13	Pass
	690.5	75	0	6.31	<=13	Pass

5.1.4 B71_20MHz

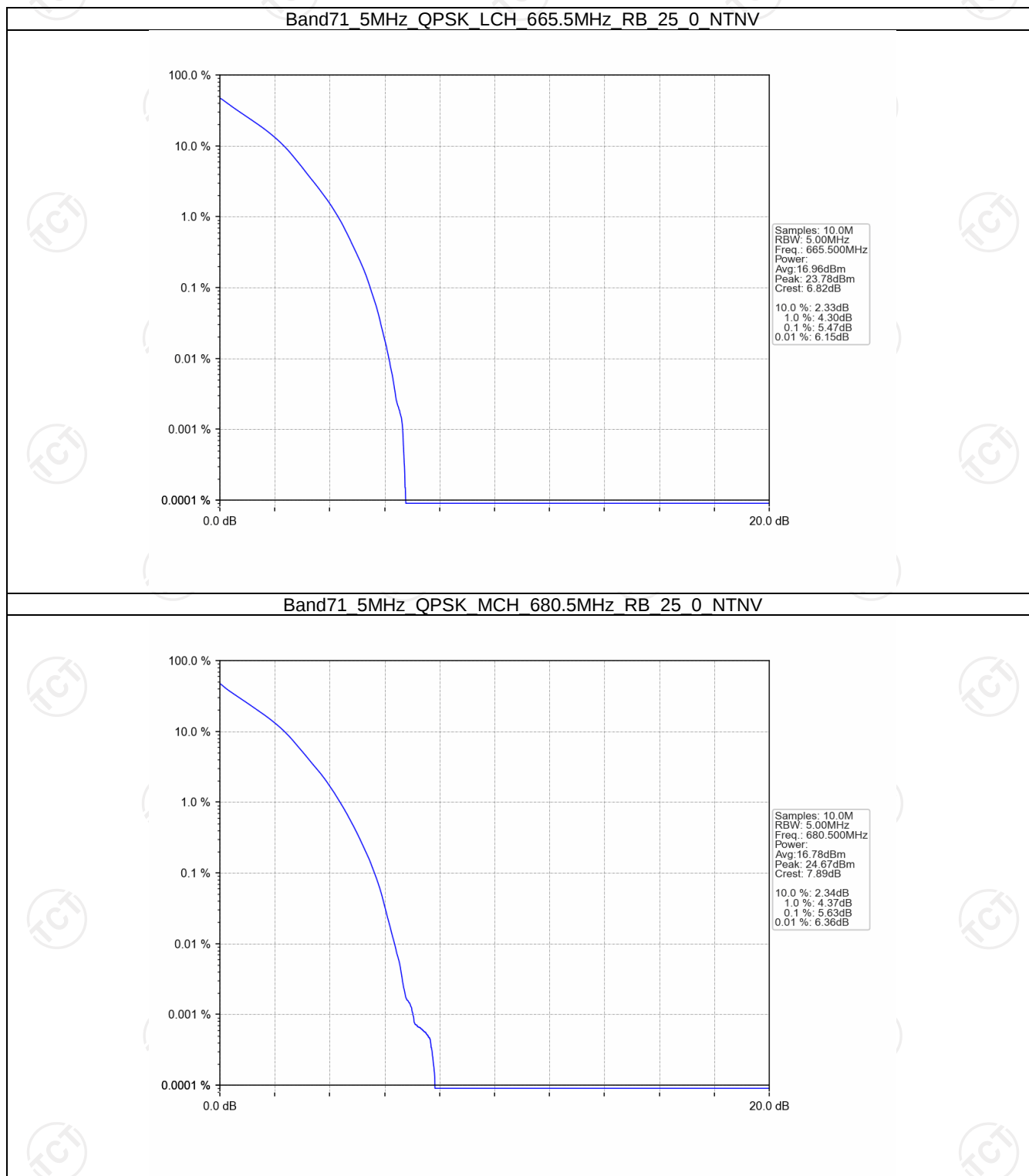
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.57	<=13	Pass
	683	100	0	5.55	<=13	Pass
	688	100	0	5.58	<=13	Pass
16QAM	673	100	0	6.28	<=13	Pass
	683	100	0	6.22	<=13	Pass

	688	100	0	6.28	<=13	Pass
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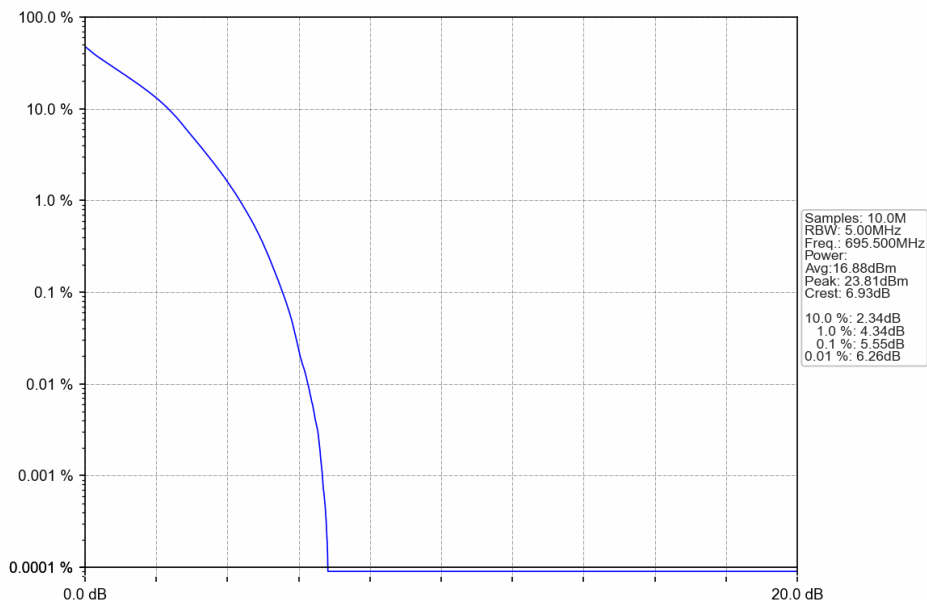


5.2 Test Graph

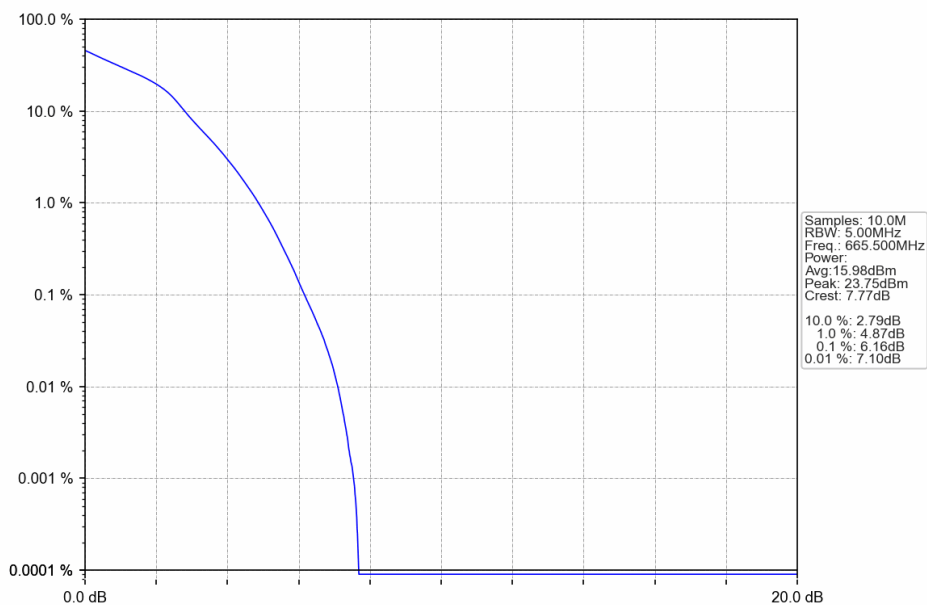
5.2.1 B71_5MHz



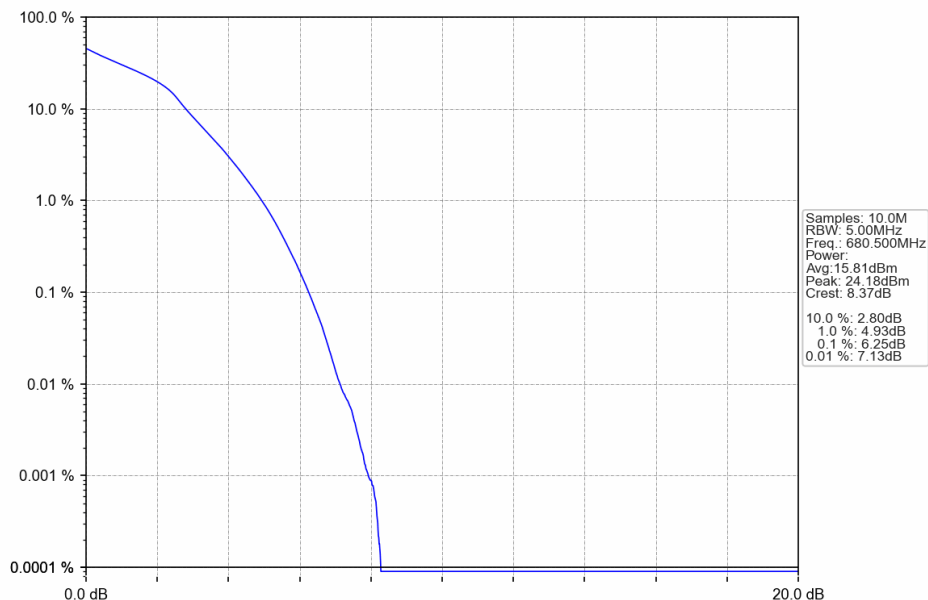
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



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

