

1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	21.81	0.46	20.12	<=34.77	Pass
			13	21.96	0.46	20.27	<=34.77	Pass
			24	21.71	0.46	20.02	<=34.77	Pass
		12	0	20.63	0.46	18.94	<=34.77	Pass
			6	20.85	0.46	19.16	<=34.77	Pass
			13	20.86	0.46	19.17	<=34.77	Pass
		25	0	20.78	0.46	19.09	<=34.77	Pass
	680.5	1	0	21.43	0.46	19.74	<=34.77	Pass
			13	21.54	0.46	19.85	<=34.77	Pass
			24	21.44	0.46	19.75	<=34.77	Pass
		12	0	20.50	0.46	18.81	<=34.77	Pass
			6	20.57	0.46	18.88	<=34.77	Pass
			13	20.52	0.46	18.83	<=34.77	Pass
		25	0	20.51	0.46	18.82	<=34.77	Pass
	695.5	1	0	21.71	0.46	20.02	<=34.77	Pass
			13	21.83	0.46	20.14	<=34.77	Pass
			24	21.84	0.46	20.15	<=34.77	Pass
		12	0	20.73	0.46	19.04	<=34.77	Pass
			6	20.85	0.46	19.16	<=34.77	Pass
			13	20.89	0.46	19.20	<=34.77	Pass
		25	0	20.81	0.46	19.12	<=34.77	Pass
16QAM	665.5	1	0	20.93	0.46	19.24	<=34.77	Pass
			13	21.08	0.46	19.39	<=34.77	Pass
			24	20.84	0.46	19.15	<=34.77	Pass
		12	0	19.60	0.46	17.91	<=34.77	Pass
			6	19.82	0.46	18.13	<=34.77	Pass
			13	19.73	0.46	18.04	<=34.77	Pass
		25	0	19.66	0.46	17.97	<=34.77	Pass
	680.5	1	0	20.44	0.46	18.75	<=34.77	Pass
			13	20.48	0.46	18.79	<=34.77	Pass
			24	20.45	0.46	18.76	<=34.77	Pass
		12	0	19.68	0.46	17.99	<=34.77	Pass
			6	19.58	0.46	17.89	<=34.77	Pass
			13	19.52	0.46	17.83	<=34.77	Pass
		25	0	19.55	0.46	17.86	<=34.77	Pass
	695.5	1	0	21.01	0.46	19.32	<=34.77	Pass
			13	21.02	0.46	19.33	<=34.77	Pass
			24	21.09	0.46	19.40	<=34.77	Pass
		12	0	19.73	0.46	18.04	<=34.77	Pass
			6	19.78	0.46	18.09	<=34.77	Pass
			13	19.81	0.46	18.12	<=34.77	Pass
		25	0	19.72	0.46	18.03	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B71_10MHz_ERP

1.2.1 Test Result

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	21.86	0.46	20.17	<=34.77	Pass	
			25	21.92	0.46	20.23	<=34.77	Pass	
			49	21.74	0.46	20.05	<=34.77	Pass	
		25	0	20.78	0.46	19.09	<=34.77	Pass	
			13	20.81	0.46	19.12	<=34.77	Pass	
			25	20.74	0.46	19.05	<=34.77	Pass	
		50	0	20.63	0.46	18.94	<=34.77	Pass	
		680.5	1	0	21.68	0.46	19.99	<=34.77	Pass
				25	21.60	0.46	19.91	<=34.77	Pass
	49			21.42	0.46	19.73	<=34.77	Pass	
	25		0	20.44	0.46	18.75	<=34.77	Pass	
			13	20.60	0.46	18.91	<=34.77	Pass	
			25	20.47	0.46	18.78	<=34.77	Pass	
	50	0	20.50	0.46	18.81	<=34.77	Pass		
	693	1	0	21.48	0.46	19.79	<=34.77	Pass	
			25	21.49	0.46	19.80	<=34.77	Pass	
			49	21.55	0.46	19.86	<=34.77	Pass	
		25	0	20.33	0.46	18.64	<=34.77	Pass	
			13	20.44	0.46	18.75	<=34.77	Pass	
			25	20.51	0.46	18.82	<=34.77	Pass	
		50	0	20.46	0.46	18.77	<=34.77	Pass	
16QAM		668	1	0	20.66	0.46	18.97	<=34.77	Pass
				25	20.71	0.46	19.02	<=34.77	Pass
	49			20.63	0.46	18.94	<=34.77	Pass	
	25		0	19.49	0.46	17.80	<=34.77	Pass	
			13	19.77	0.46	18.08	<=34.77	Pass	
			25	19.61	0.46	17.92	<=34.77	Pass	
	50		0	19.50	0.46	17.81	<=34.77	Pass	
	680.5		1	0	20.37	0.46	18.68	<=34.77	Pass
				25	20.36	0.46	18.67	<=34.77	Pass
		49		20.24	0.46	18.55	<=34.77	Pass	
		25	0	19.51	0.46	17.82	<=34.77	Pass	
			13	19.57	0.46	17.88	<=34.77	Pass	
			25	19.51	0.46	17.82	<=34.77	Pass	
	50	0	19.46	0.46	17.77	<=34.77	Pass		
	693	1	0	20.15	0.46	18.46	<=34.77	Pass	
			25	20.38	0.46	18.69	<=34.77	Pass	
			49	20.48	0.46	18.79	<=34.77	Pass	
		25	0	19.33	0.46	17.64	<=34.77	Pass	
			13	19.50	0.46	17.81	<=34.77	Pass	
			25	19.56	0.46	17.87	<=34.77	Pass	
		50	0	19.27	0.46	17.58	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.3 B71_15MHz_ERP

1.3.1 Test Result

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	21.73	0.46	20.04	<=34.77	Pass
			38	21.74	0.46	20.05	<=34.77	Pass
			74	21.63	0.46	19.94	<=34.77	Pass

		36	0	20.73	0.46	19.04	<=34.77	Pass		
			18	20.48	0.46	18.79	<=34.77	Pass		
			39	20.42	0.46	18.73	<=34.77	Pass		
		75	0	20.25	0.46	18.56	<=34.77	Pass		
			680.5	1	0	21.11	0.46	19.42	<=34.77	Pass
					38	21.13	0.46	19.44	<=34.77	Pass
		74			21.13	0.46	19.44	<=34.77	Pass	
		36		0	20.07	0.46	18.38	<=34.77	Pass	
				18	20.13	0.46	18.44	<=34.77	Pass	
	39			20.07	0.46	18.38	<=34.77	Pass		
	75	0	20.04	0.46	18.35	<=34.77	Pass			
	690.5	1	0	20.95	0.46	19.26	<=34.77	Pass		
			38	21.17	0.46	19.48	<=34.77	Pass		
			74	21.35	0.46	19.66	<=34.77	Pass		
		36	0	20.20	0.46	18.51	<=34.77	Pass		
			18	20.19	0.46	18.50	<=34.77	Pass		
			39	20.47	0.46	18.78	<=34.77	Pass		
		75	0	20.28	0.46	18.59	<=34.77	Pass		
		16QAM	670.5	1	0	20.22	0.46	18.53	<=34.77	Pass
					38	20.22	0.46	18.53	<=34.77	Pass
	74				20.05	0.46	18.36	<=34.77	Pass	
36	0			19.22	0.46	17.53	<=34.77	Pass		
	18			19.22	0.46	17.53	<=34.77	Pass		
	39			19.27	0.46	17.58	<=34.77	Pass		
75	0			19.24	0.46	17.55	<=34.77	Pass		
680.5	1			0	20.01	0.46	18.32	<=34.77	Pass	
				38	20.04	0.46	18.35	<=34.77	Pass	
			74	20.06	0.46	18.37	<=34.77	Pass		
	36		0	19.01	0.46	17.32	<=34.77	Pass		
			18	19.08	0.46	17.39	<=34.77	Pass		
			39	19.01	0.46	17.32	<=34.77	Pass		
75	0		18.98	0.46	17.29	<=34.77	Pass			
690.5	1		0	20.00	0.46	18.31	<=34.77	Pass		
			38	20.25	0.46	18.56	<=34.77	Pass		
			74	20.45	0.46	18.76	<=34.77	Pass		
	36		0	19.11	0.46	17.42	<=34.77	Pass		
			18	19.16	0.46	17.47	<=34.77	Pass		
			39	19.37	0.46	17.68	<=34.77	Pass		
75	0		19.26	0.46	17.57	<=34.77	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15										

1.4 B71_20MHz_ERP

1.4.1 Test Result

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	21.53	0.46	19.84	<=34.77	Pass
			50	21.60	0.46	19.91	<=34.77	Pass
			99	21.01	0.46	19.32	<=34.77	Pass
		50	0	20.34	0.46	18.65	<=34.77	Pass
			25	20.19	0.46	18.50	<=34.77	Pass
			50	20.30	0.46	18.61	<=34.77	Pass
		100	0	20.27	0.46	18.58	<=34.77	Pass
	683	1	0	20.89	0.46	19.20	<=34.77	Pass
			50	21.12	0.46	19.43	<=34.77	Pass

			99	21.08	0.46	19.39	<=34.77	Pass	
		50	0	19.99	0.46	18.30	<=34.77	Pass	
			25	20.06	0.46	18.37	<=34.77	Pass	
			50	20.04	0.46	18.35	<=34.77	Pass	
		100	0	20.02	0.46	18.33	<=34.77	Pass	
	688	1	0	20.83	0.46	19.14	<=34.77	Pass	
			50	21.18	0.46	19.49	<=34.77	Pass	
			99	21.17	0.46	19.48	<=34.77	Pass	
		50	0	20.25	0.46	18.56	<=34.77	Pass	
			25	20.12	0.46	18.43	<=34.77	Pass	
			50	20.37	0.46	18.68	<=34.77	Pass	
		100	0	20.31	0.46	18.62	<=34.77	Pass	
		16QAM	673	1	0	20.51	0.46	18.82	<=34.77
	50				20.69	0.46	19.00	<=34.77	Pass
	99				20.35	0.46	18.66	<=34.77	Pass
50	0			19.28	0.46	17.59	<=34.77	Pass	
	25			19.17	0.46	17.48	<=34.77	Pass	
	50			19.42	0.46	17.73	<=34.77	Pass	
100	0			19.28	0.46	17.59	<=34.77	Pass	
683	1		0	19.92	0.46	18.23	<=34.77	Pass	
			50	20.16	0.46	18.47	<=34.77	Pass	
			99	20.14	0.46	18.45	<=34.77	Pass	
	50		0	18.94	0.46	17.25	<=34.77	Pass	
			25	19.02	0.46	17.33	<=34.77	Pass	
			50	19.08	0.46	17.39	<=34.77	Pass	
	100		0	18.99	0.46	17.30	<=34.77	Pass	
688	1		0	19.64	0.46	17.95	<=34.77	Pass	
			50	20.01	0.46	18.32	<=34.77	Pass	
			99	20.07	0.46	18.38	<=34.77	Pass	
	50		0	19.21	0.46	17.52	<=34.77	Pass	
			25	19.08	0.46	17.39	<=34.77	Pass	
			50	19.34	0.46	17.65	<=34.77	Pass	
	100		0	19.29	0.46	17.60	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B71_5MHz

2.1.1 Test Result

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	-10.972	-0.0165	-2.5 to 2.5	Pass
					3.85	-4.520	-0.0068	-2.5 to 2.5	Pass
					4.43	-5.693	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-11.015	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-13.018	-0.0196	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-10.657	-0.0160	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.007	-0.0074	-2.5 to 2.5	Pass

					3.85	-10.815	-0.0159	-2.5 to 2.5	Pass
					4.43	-10.428	-0.0153	-2.5 to 2.5	Pass
				-30	3.85	-11.301	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-11.187	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-7.224	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-8.855	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-13.018	-0.0191	-2.5 to 2.5	Pass
				50	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-9.842	-0.0142	-2.5 to 2.5	Pass
					3.85	-11.573	-0.0166	-2.5 to 2.5	Pass
					4.43	-6.237	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-5.021	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-9.384	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-8.254	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-6.723	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-7.439	-0.0107	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-4.106	-0.0062	-2.5 to 2.5	Pass
					3.85	-3.176	-0.0048	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-7.567	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-5.865	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-10.486	-0.0158	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-5.279	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-5.307	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-3.405	-0.0051	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-9.913	-0.0146	-2.5 to 2.5	Pass
					3.85	-8.497	-0.0125	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-8.898	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-5.250	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0100	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-8.841	-0.0127	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0111	-2.5 to 2.5	Pass
					4.43	-6.495	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-12.217	-0.0176	-2.5 to 2.5	Pass
				-10	3.85	-5.236	-0.0075	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0063	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-11.487	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-7.267	-0.0104	-2.5 to 2.5	Pass

2.2 B71_10MHz

2.2.1 Test Result

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	-2.975	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.636	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-8.082	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-9.212	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0108	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-7.496	-0.0110	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0085	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-3.347	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-9.913	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-9.613	-0.0141	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-7.195	-0.0104	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0114	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-10.557	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0049	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-5.922	-0.0089	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.782	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-8.411	-0.0126	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-6.452	-0.0095	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0136	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-9.012	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-3.676	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-5.050	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-3.934	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0071	-2.5 to 2.5	Pass

	693	50	0	50	3.85	-11.988	-0.0176	-2.5 to 2.5	Pass
				20	3.27	-8.655	-0.0125	-2.5 to 2.5	Pass
					3.85	-8.941	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.353	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-8.655	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-12.074	-0.0174	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-9.184	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-7.410	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0105	-2.5 to 2.5	Pass

2.3 B71_15MHz

2.3.1 Test Result

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	-9.785	-0.0146	-2.5 to 2.5	Pass
					3.85	-8.154	-0.0122	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-11.344	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-11.745	-0.0175	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-8.283	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-4.706	-0.0070	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-7.424	-0.0109	-2.5 to 2.5	Pass
					3.85	-3.161	-0.0046	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-8.841	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-8.955	-0.0132	-2.5 to 2.5	Pass
				30	3.85	-8.683	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0067	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-6.924	-0.0100	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0099	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-3.791	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-6.766	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-4.635	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-8.640	-0.0125	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-8.669	-0.0129	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0063	-2.5 to 2.5	Pass

				-20	3.85	-5.965	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-9.141	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-5.794	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0093	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-3.905	-0.0057	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0073	-2.5 to 2.5	Pass
					4.43	-5.765	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-8.097	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-6.509	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-8.368	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0085	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-9.370	-0.0136	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0075	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0102	-2.5 to 2.5	Pass

2.4 B71_20MHz

2.4.1 Test Result

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	-7.067	-0.0105	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-9.413	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	-7.496	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-9.942	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-8.011	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0079	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-5.150	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0106	-2.5 to 2.5	Pass
					4.43	-8.955	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-7.796	-0.0114	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-9.212	-0.0135	-2.5 to 2.5	Pass
				0	3.85	-9.842	-0.0144	-2.5 to 2.5	Pass
				10	3.85	-9.284	-0.0136	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0052	-2.5 to 2.5	Pass

	688	100	0	40	3.85	-7.081	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-7.639	-0.0112	-2.5 to 2.5	Pass
				20	3.27	-6.108	-0.0089	-2.5 to 2.5	Pass
					3.85	-9.770	-0.0142	-2.5 to 2.5	Pass
					4.43	-9.084	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-9.155	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-9.270	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-7.625	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-10.414	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-9.499	-0.0138	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-6.151	-0.0091	-2.5 to 2.5	Pass
					3.85	-7.153	-0.0106	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-6.022	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-7.982	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-5.836	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-8.197	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-8.268	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-8.783	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0090	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-11.759	-0.0172	-2.5 to 2.5	Pass
					3.85	-3.662	-0.0054	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-4.091	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-5.279	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-7.782	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-10.901	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-9.885	-0.0145	-2.5 to 2.5	Pass
				40	3.85	-10.157	-0.0149	-2.5 to 2.5	Pass
				50	3.85	-8.755	-0.0128	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-4.463	-0.0065	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0121	-2.5 to 2.5	Pass
					4.43	-8.512	-0.0124	-2.5 to 2.5	Pass
				-30	3.85	-8.669	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-8.626	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-8.168	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-8.783	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-8.483	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-8.268	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-7.496	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-6.351	-0.0092	-2.5 to 2.5	Pass

3. Modulation Characteristics

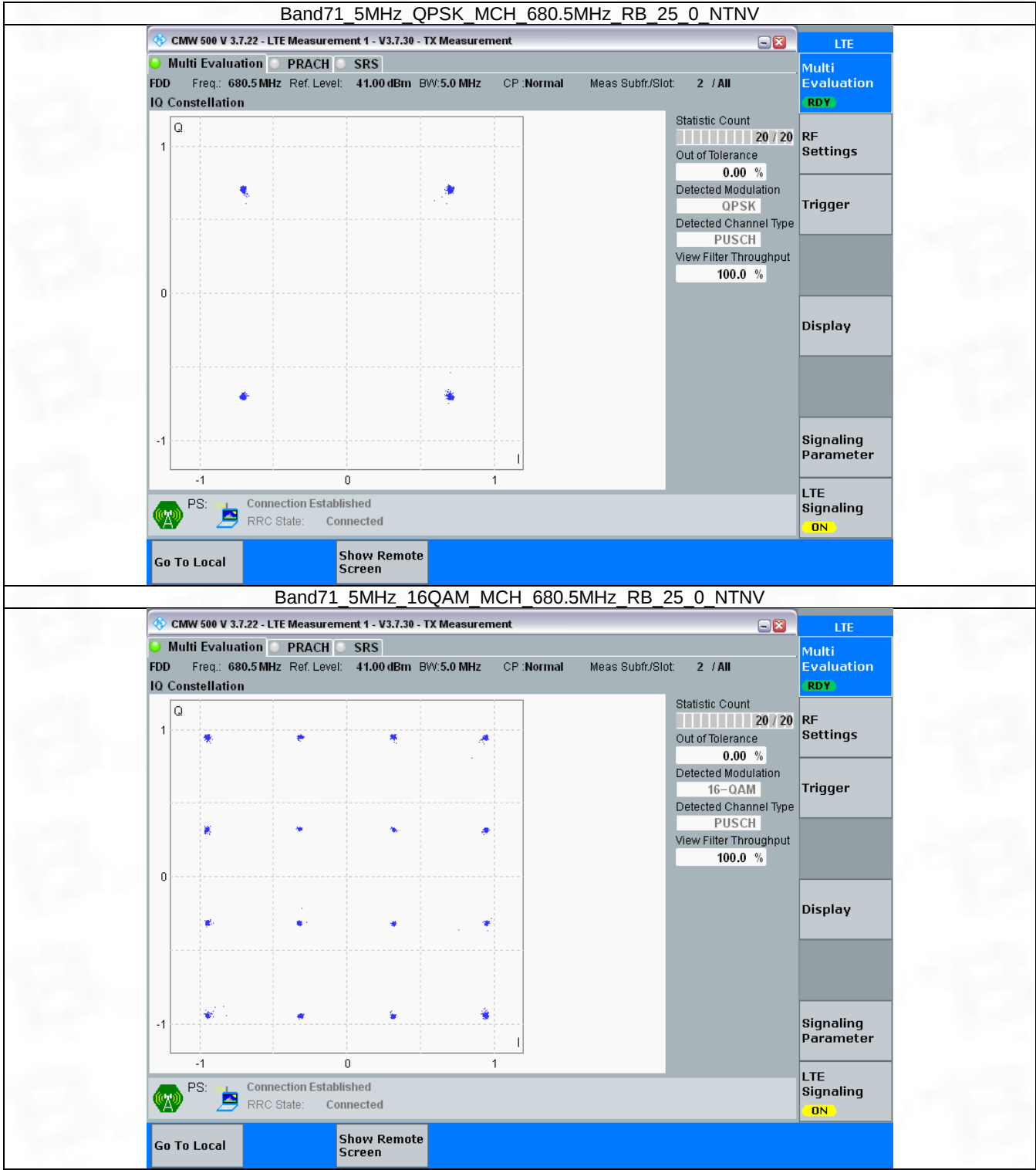
3.1 B71_5MHz

3.1.1 Test Result

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 Test Graph

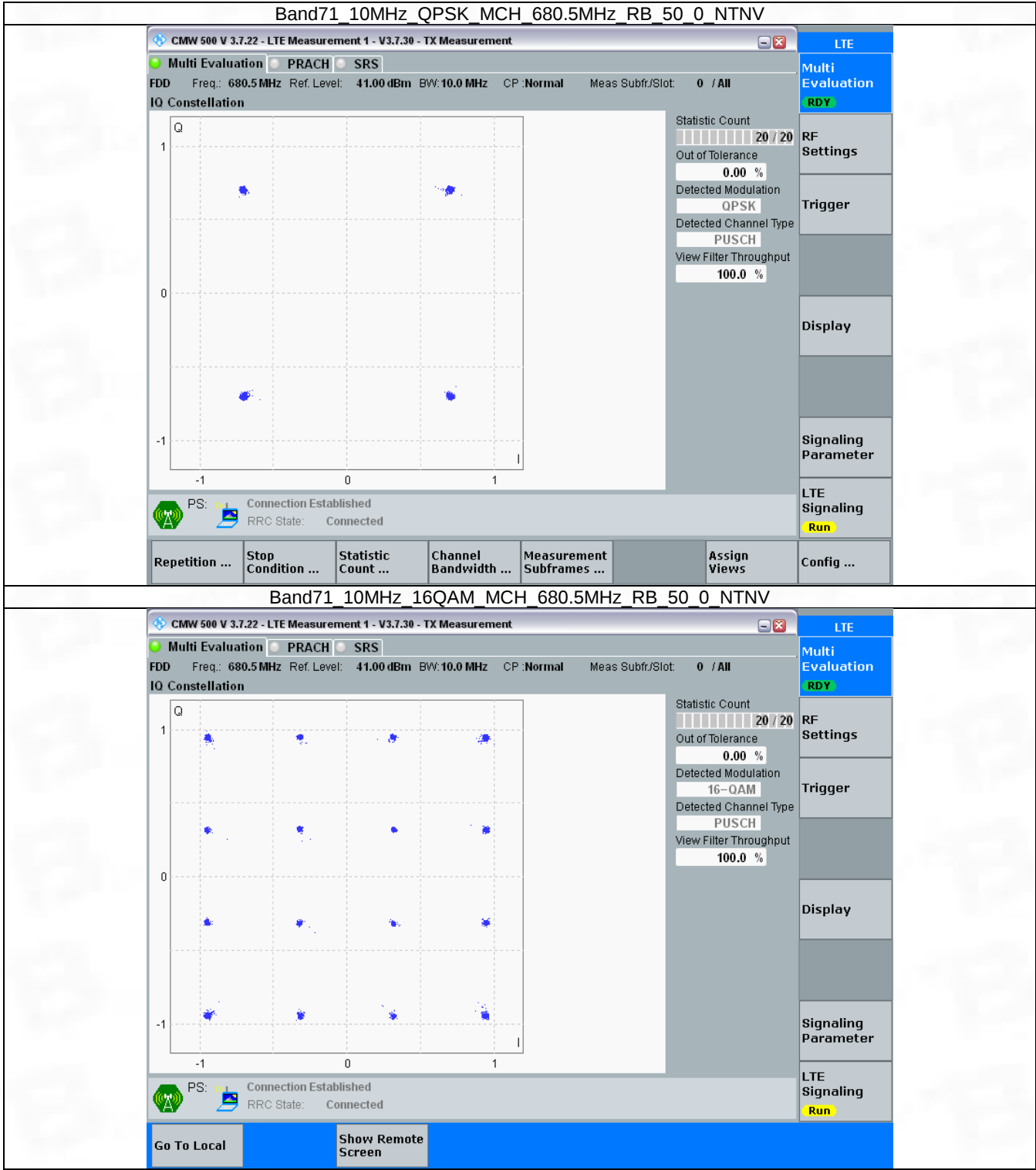


3.2 B71_10MHz

3.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
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

3.2.2 Test Graph

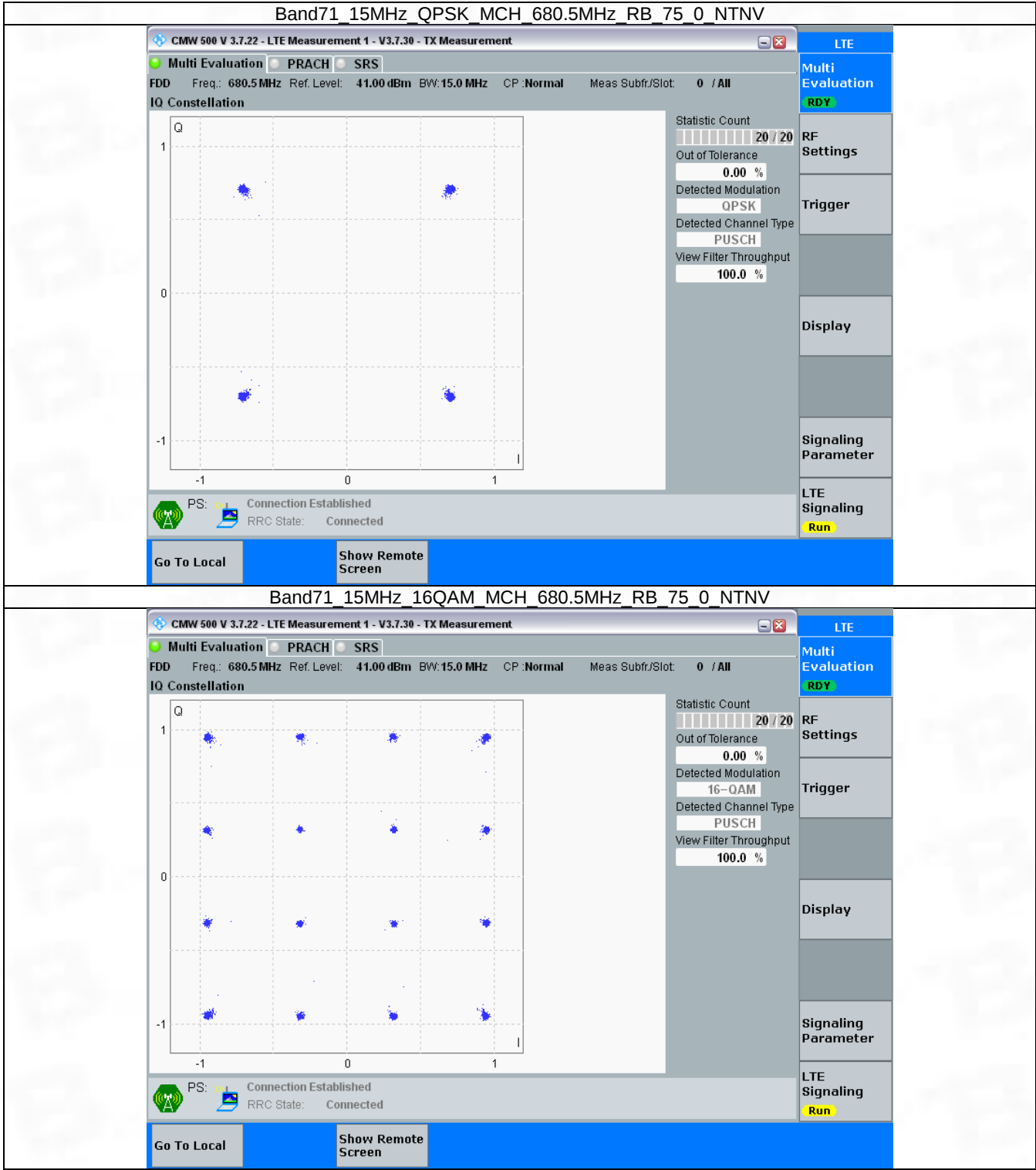


3.3 B71_15MHz

3.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTV						
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

3.3.2 Test Graph

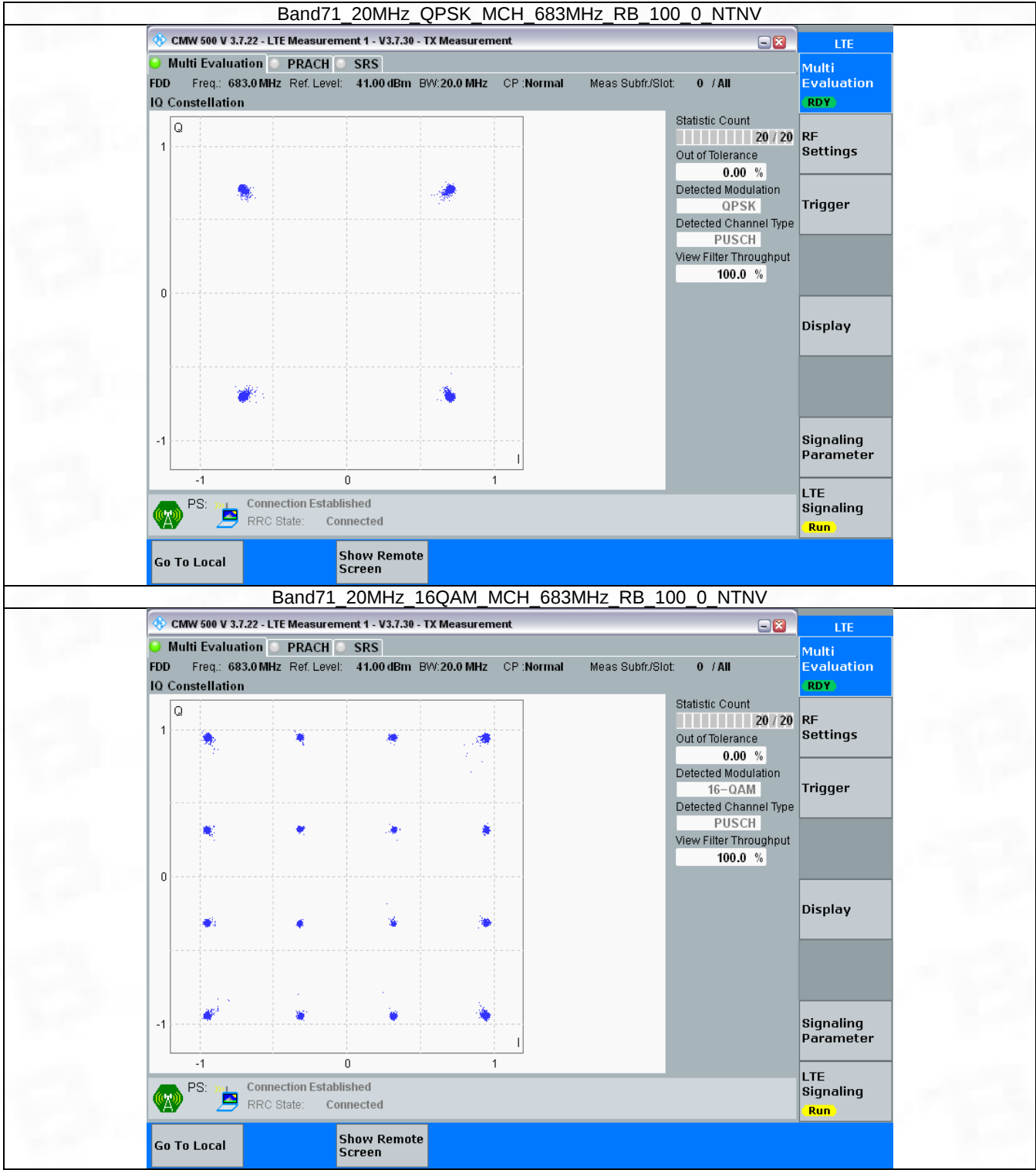


3.4 B71_20MHz

3.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV						
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

3.4.2 Test Graph



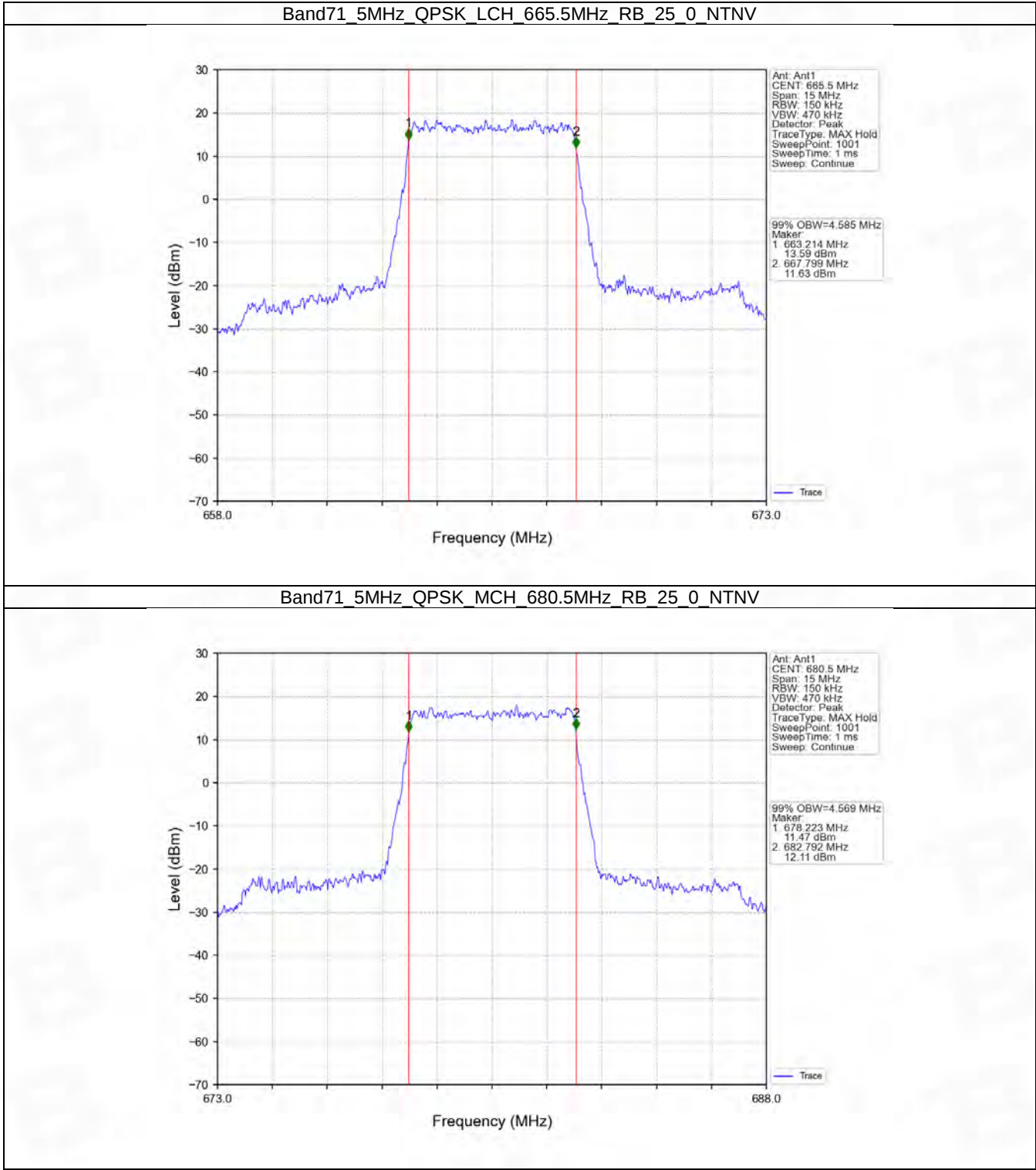
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

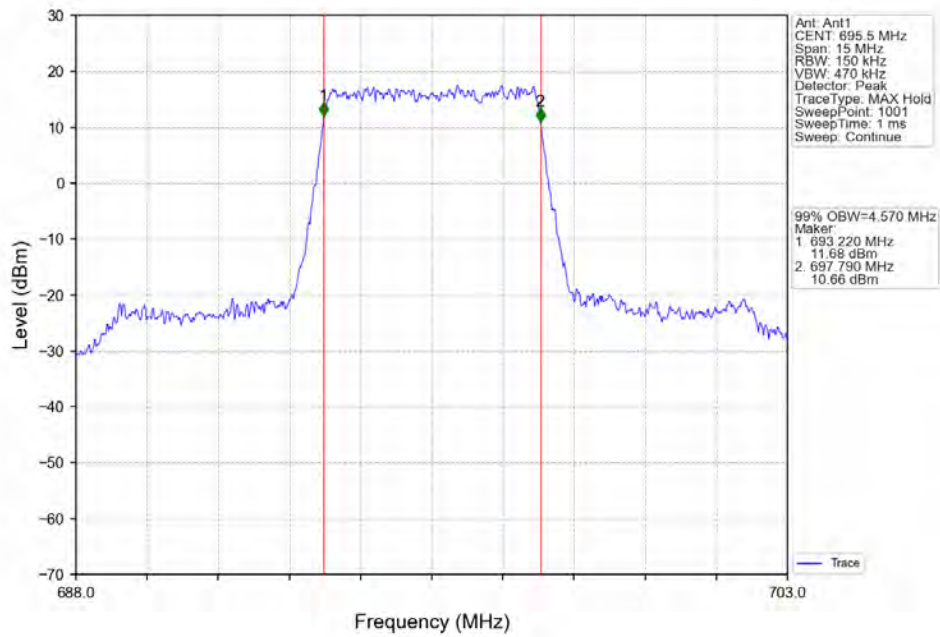
4.1.1 Test Result

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	4.585	/	Pass
		680.5	25	0	4.569	/	Pass
		695.5	25	0	4.570	/	Pass
	16QAM	665.5	25	0	4.577	/	Pass
		680.5	25	0	4.583	/	Pass
		695.5	25	0	4.597	/	Pass
10	QPSK	668	50	0	9.122	/	Pass
		680.5	50	0	9.096	/	Pass
		693	50	0	9.138	/	Pass
	16QAM	668	50	0	9.098	/	Pass
		680.5	50	0	9.099	/	Pass
		693	50	0	9.100	/	Pass
15	QPSK	670.5	75	0	13.615	/	Pass
		680.5	75	0	13.641	/	Pass
		690.5	75	0	13.642	/	Pass
	16QAM	670.5	75	0	13.623	/	Pass
		680.5	75	0	13.691	/	Pass
		690.5	75	0	13.643	/	Pass
20	QPSK	673	100	0	18.097	/	Pass
		683	100	0	18.151	/	Pass
		688	100	0	18.144	/	Pass
	16QAM	673	100	0	18.189	/	Pass
		683	100	0	18.125	/	Pass
		688	100	0	18.082	/	Pass

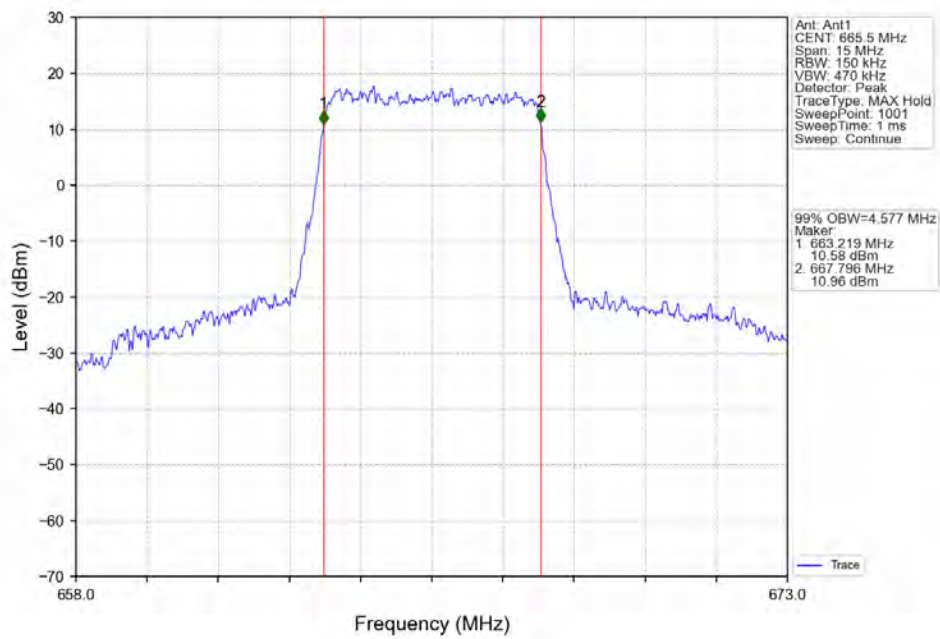
4.1.2 Test Graph



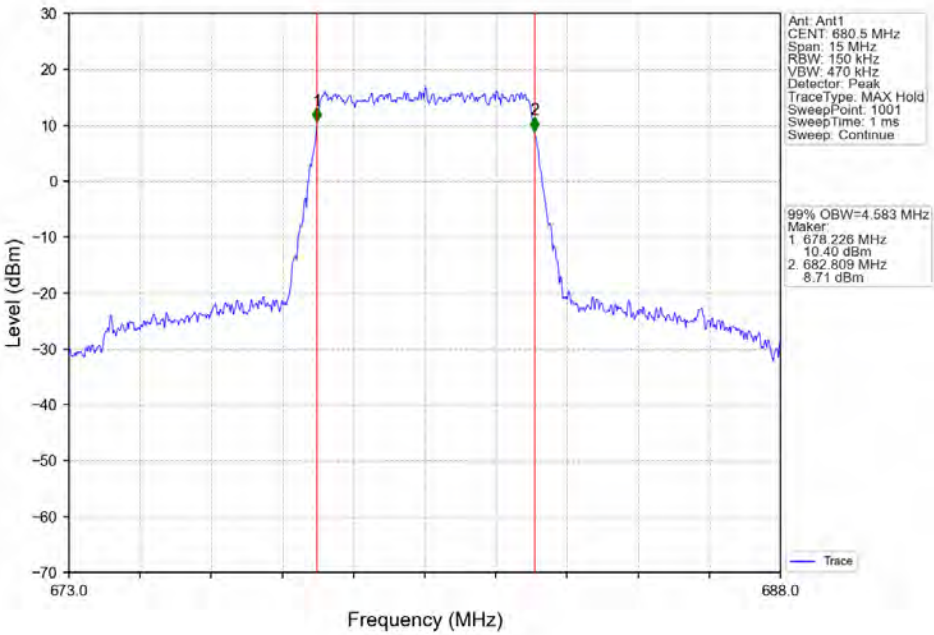
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



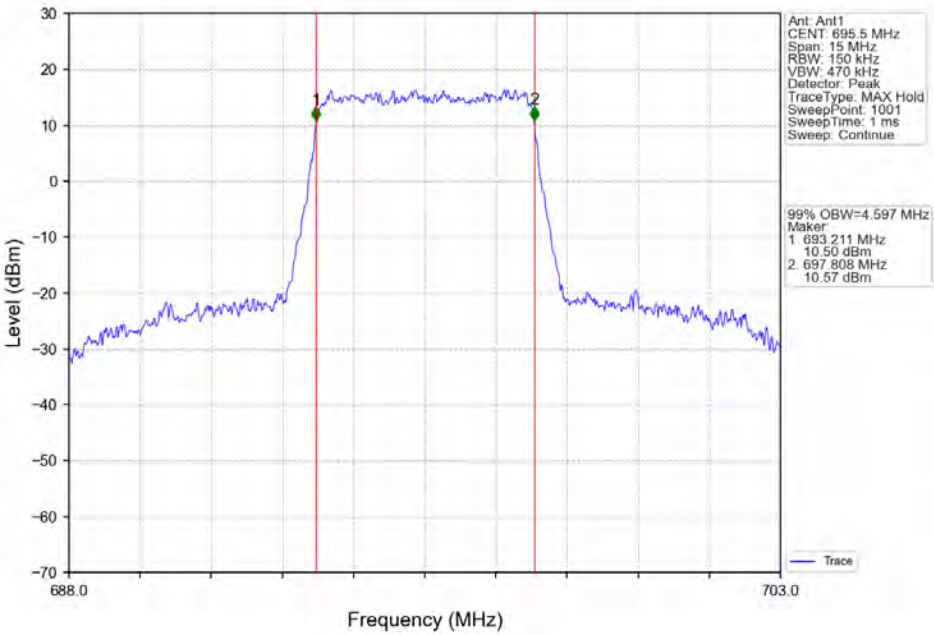
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



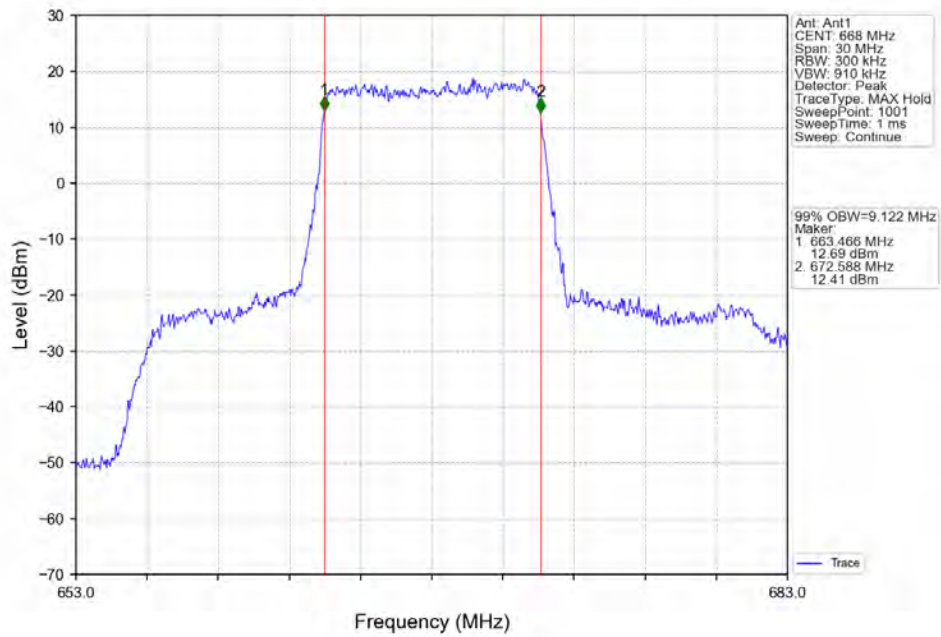
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



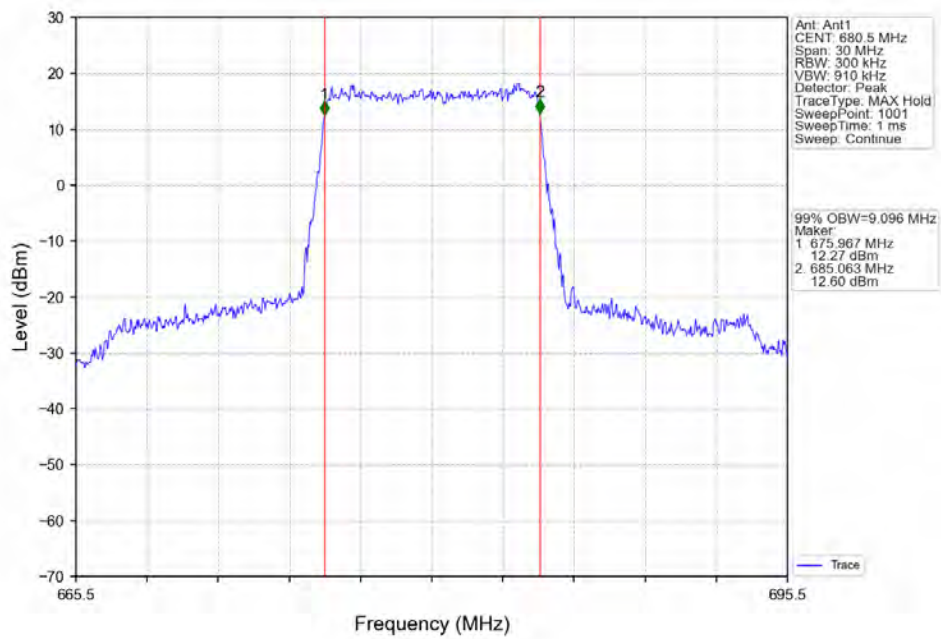
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



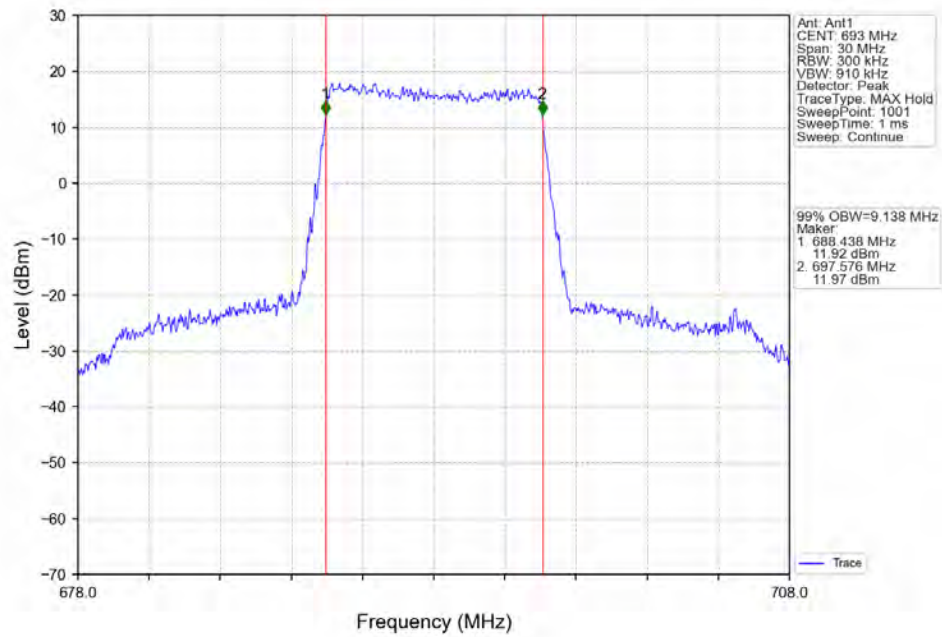
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



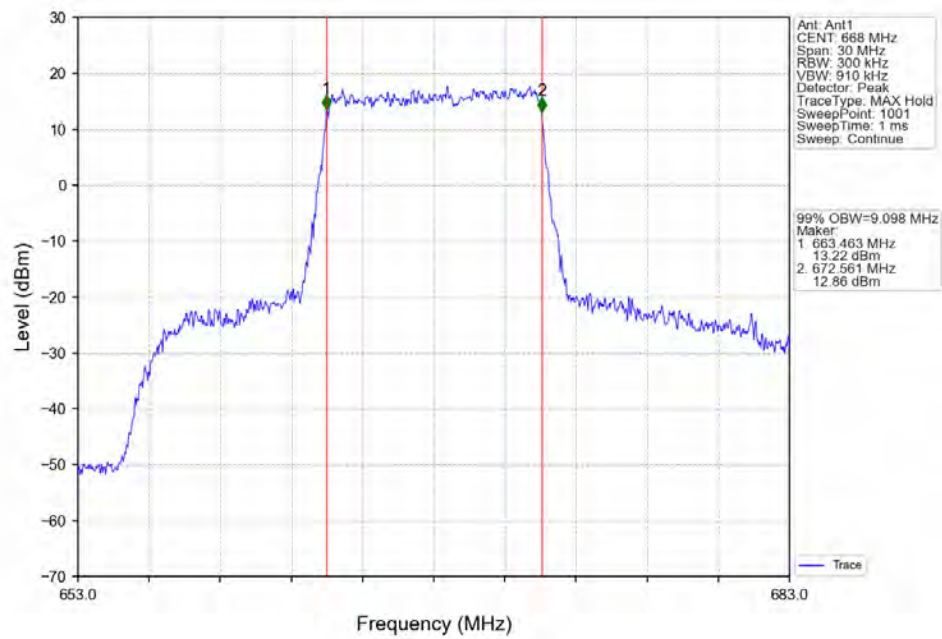
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTN



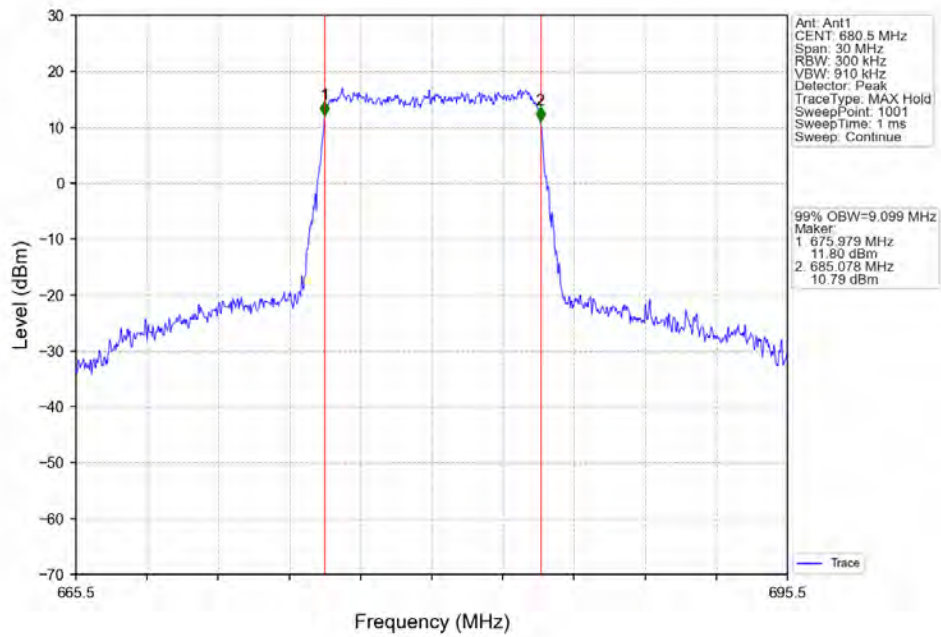
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



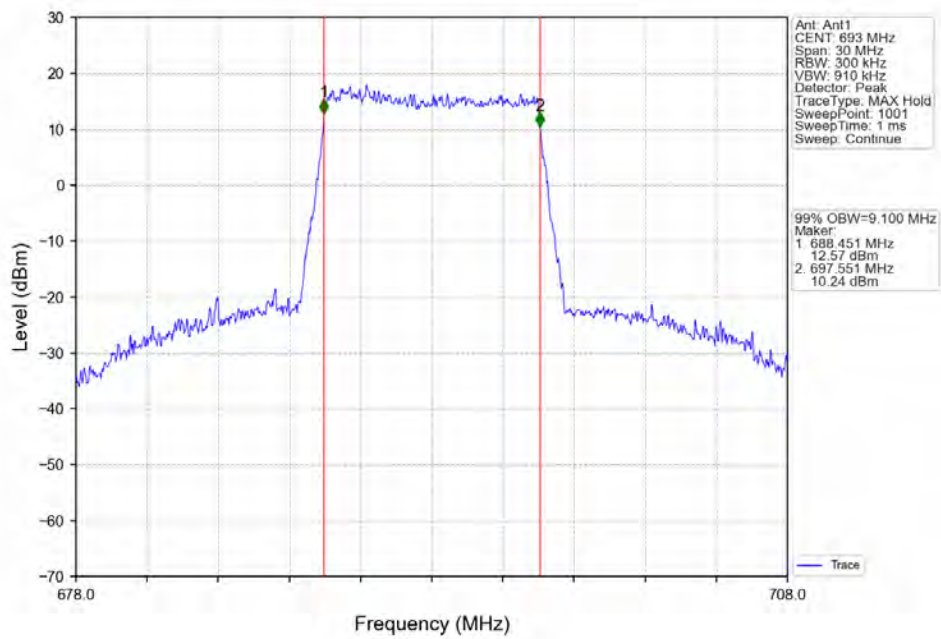
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



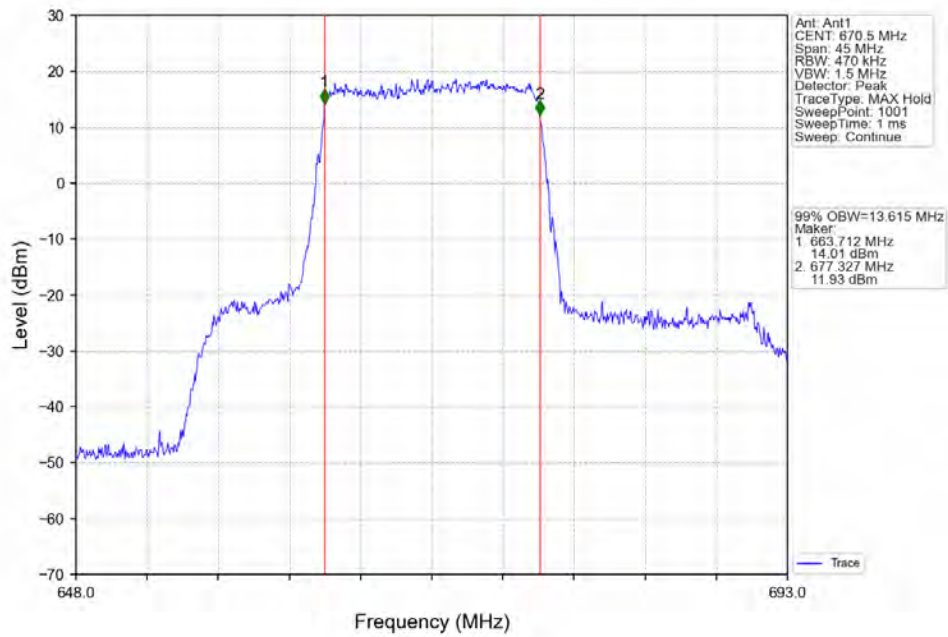
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTNV



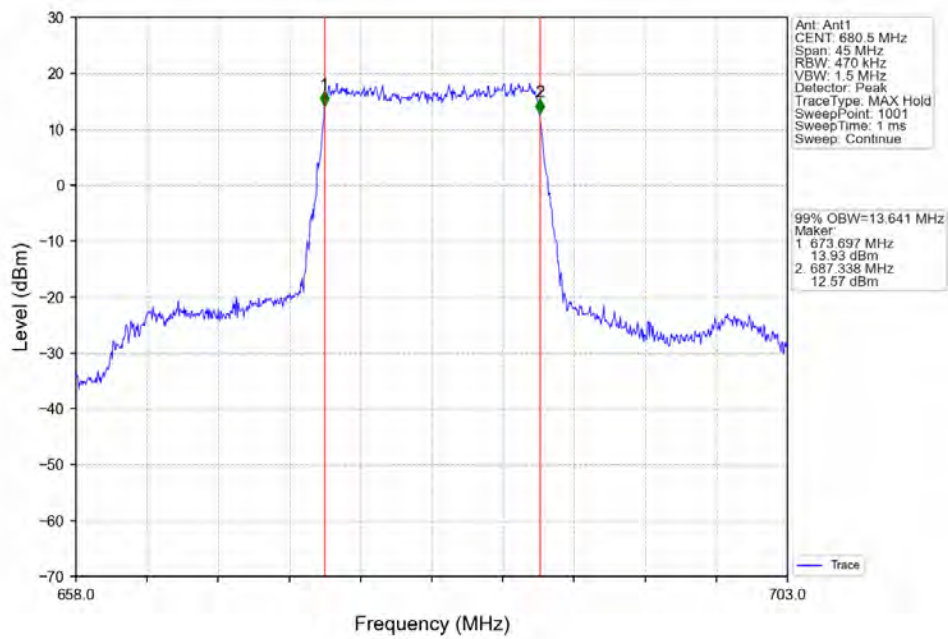
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTNV



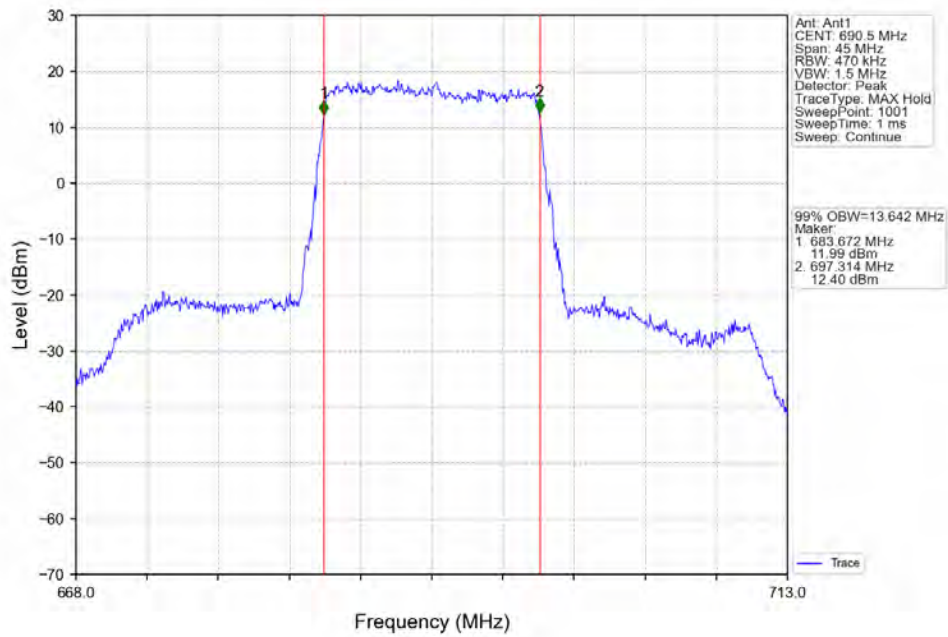
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



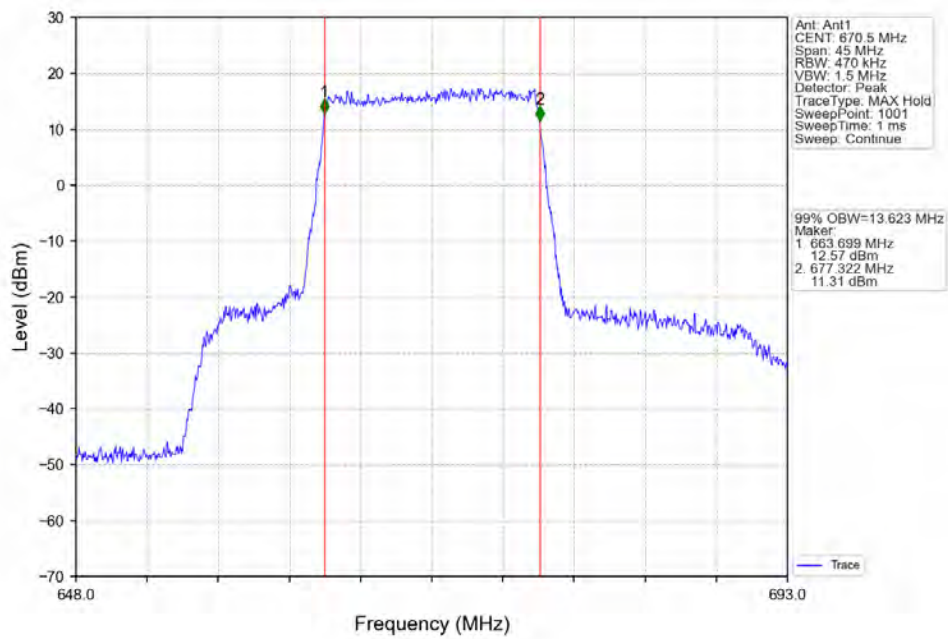
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



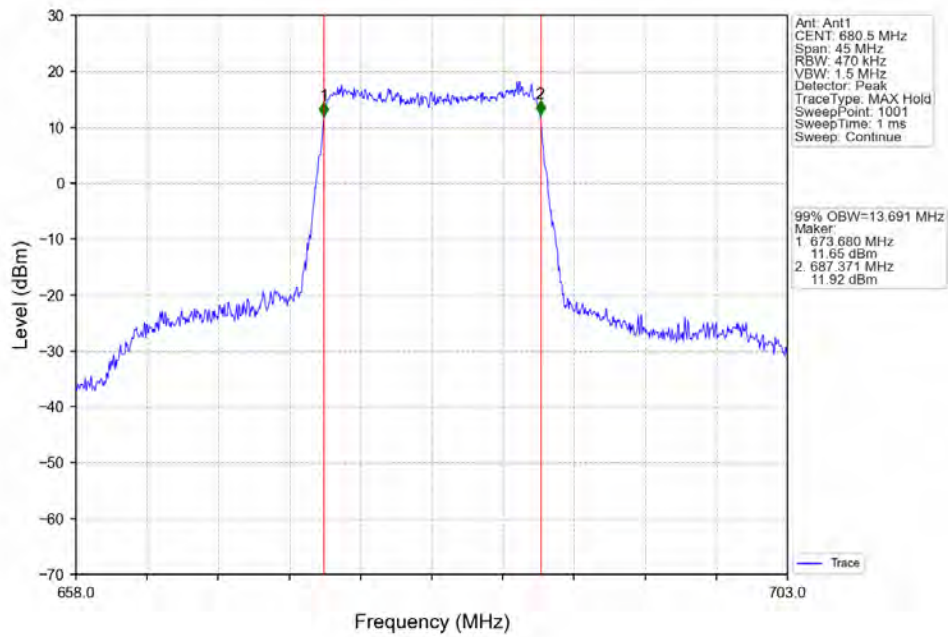
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



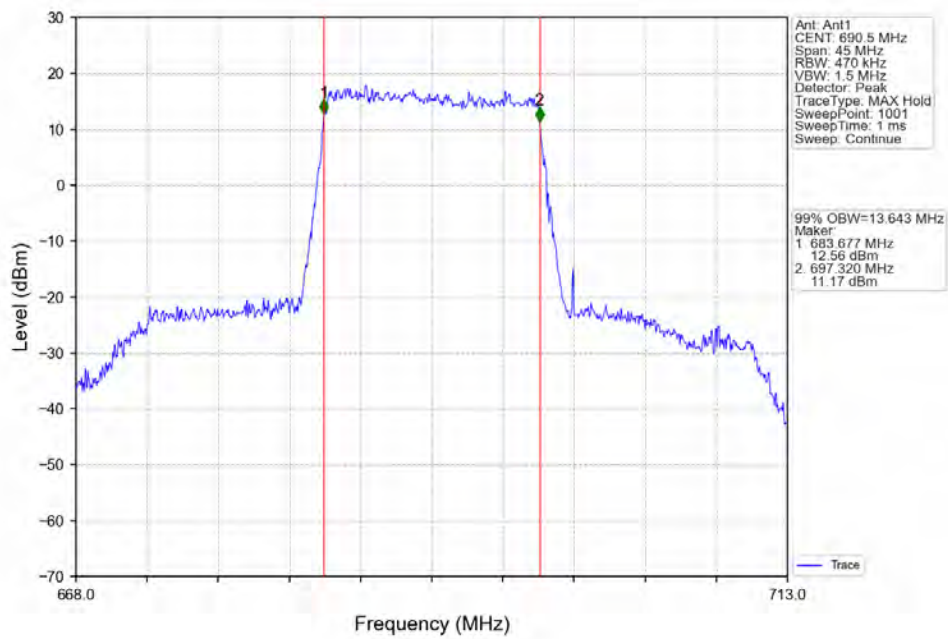
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



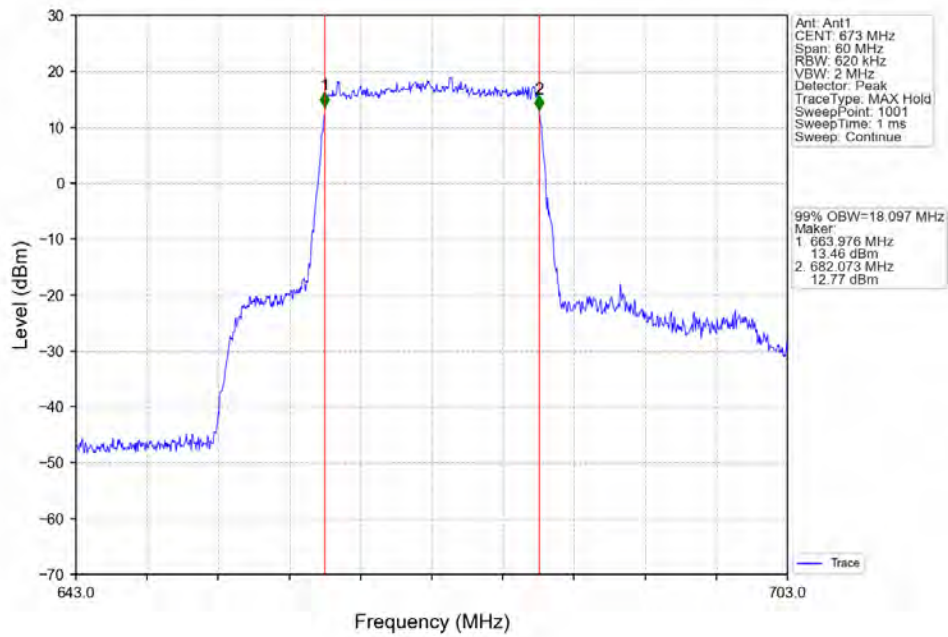
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



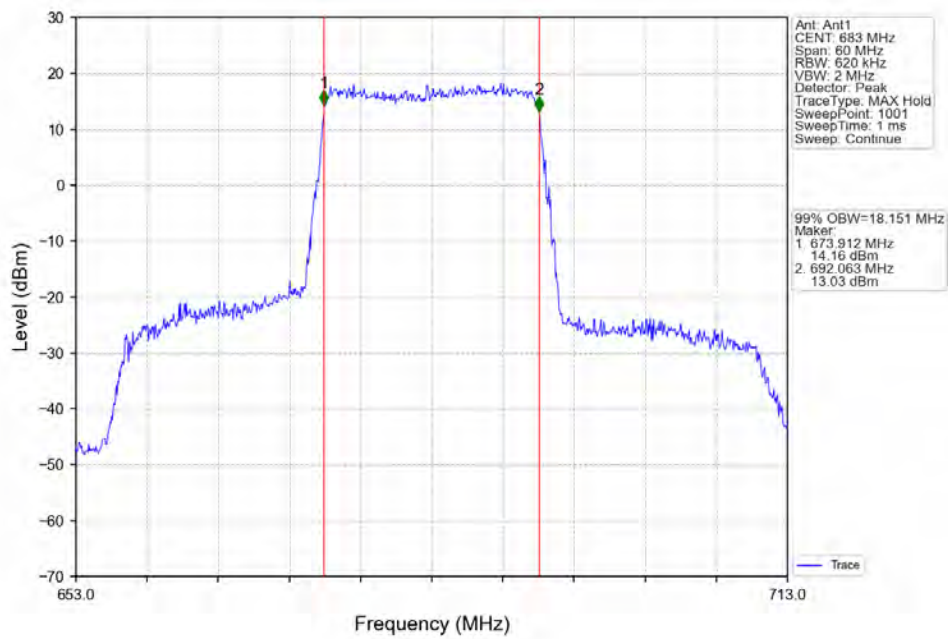
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



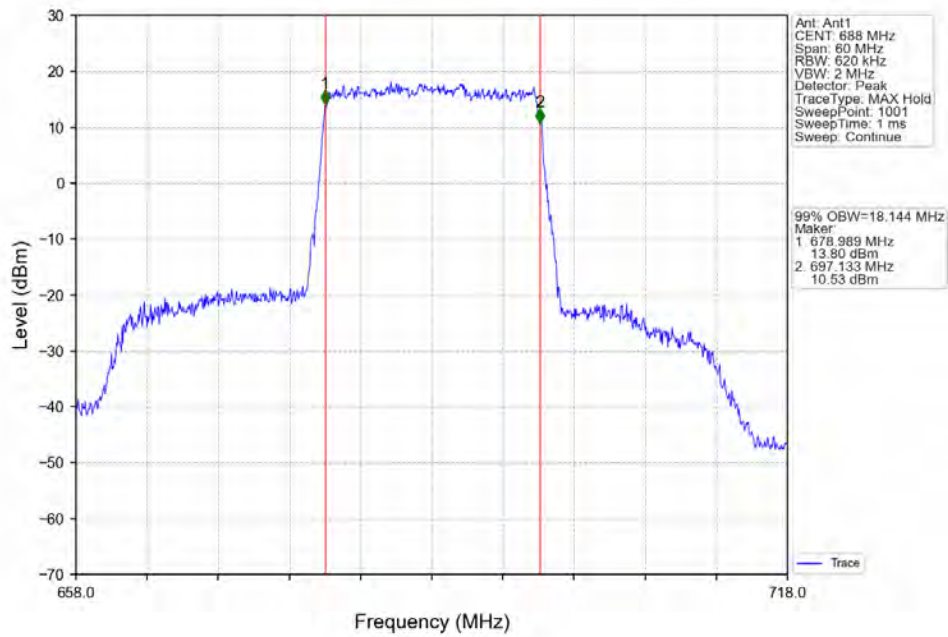
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



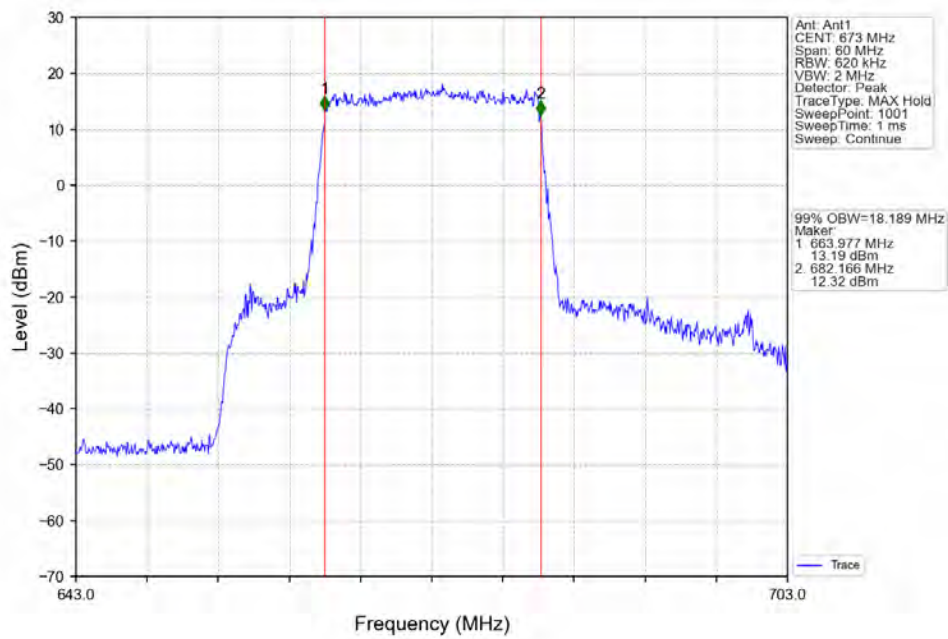
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



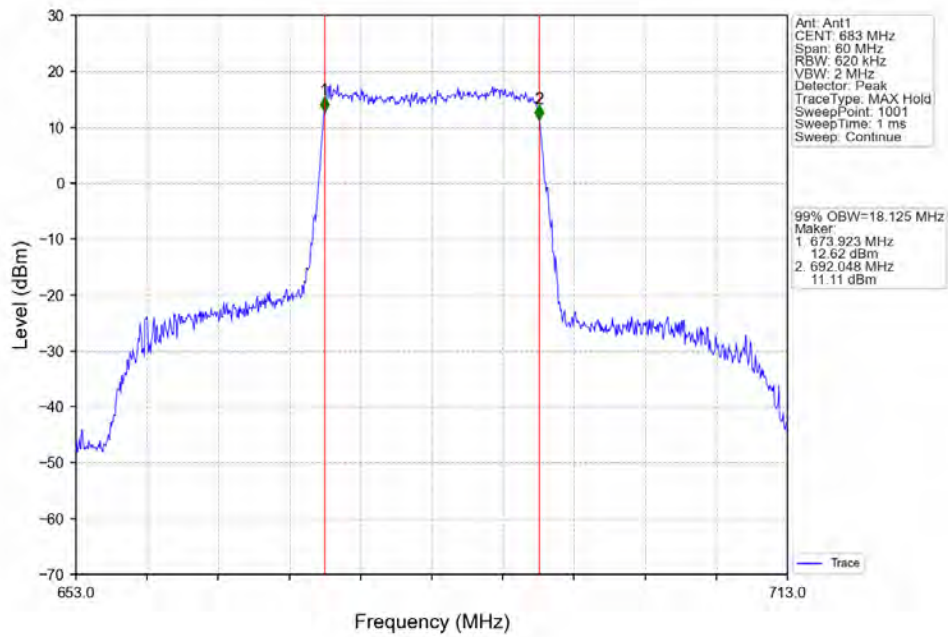
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



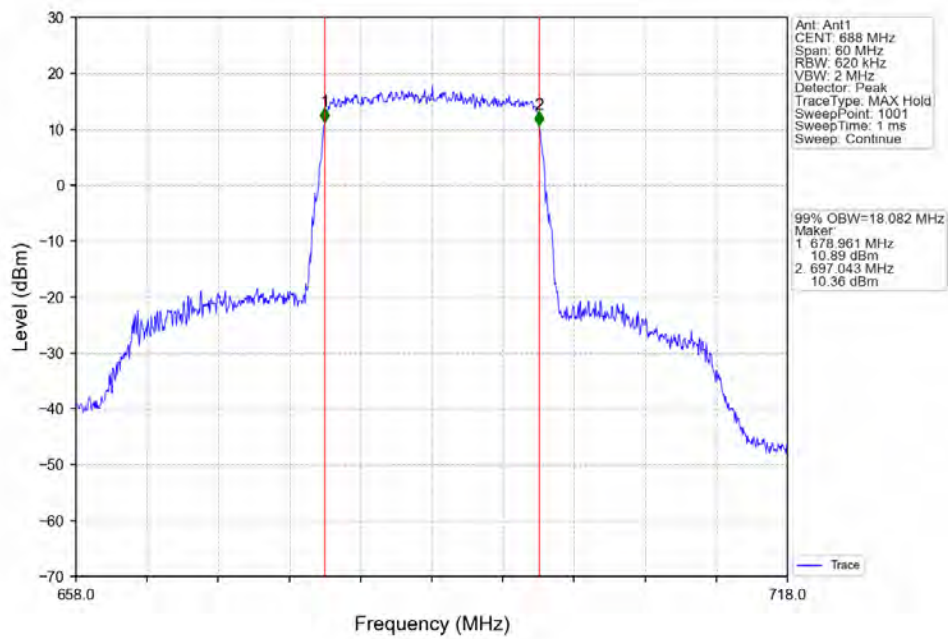
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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

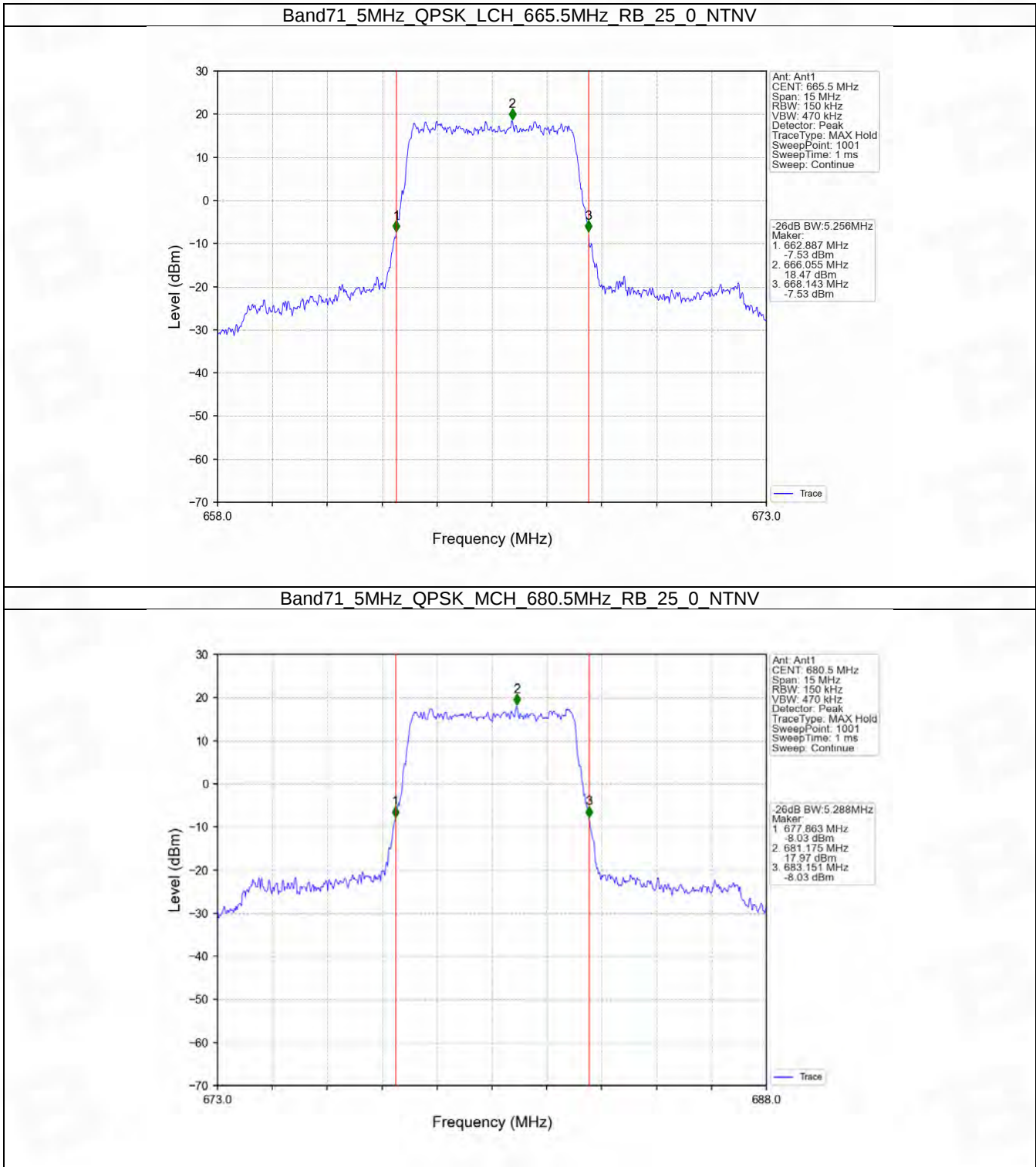


4.2 Band71_XDB

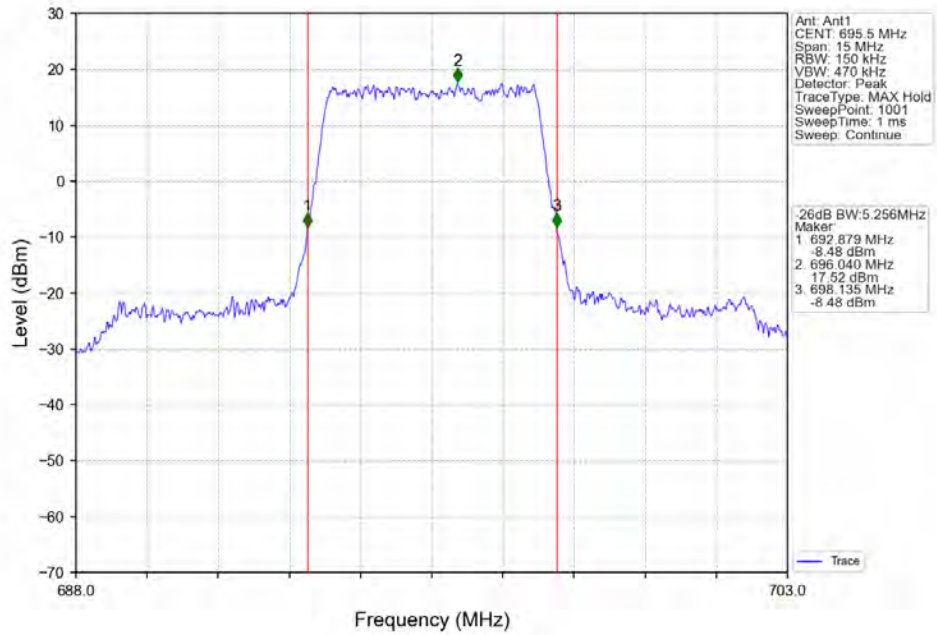
4.2.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.256	/	Pass
		680.5	25	0	5.288	/	Pass
		695.5	25	0	5.256	/	Pass
	16QAM	665.5	25	0	5.274	/	Pass
		680.5	25	0	5.317	/	Pass
		695.5	25	0	5.273	/	Pass
10	QPSK	668	50	0	10.256	/	Pass
		680.5	50	0	10.355	/	Pass
		693	50	0	10.365	/	Pass
	16QAM	668	50	0	10.350	/	Pass
		680.5	50	0	10.327	/	Pass
		693	50	0	10.249	/	Pass
15	QPSK	670.5	75	0	15.352	/	Pass
		680.5	75	0	15.402	/	Pass
		690.5	75	0	15.266	/	Pass
	16QAM	670.5	75	0	15.435	/	Pass
		680.5	75	0	15.331	/	Pass
		690.5	75	0	15.228	/	Pass
20	QPSK	673	100	0	19.988	/	Pass
		683	100	0	20.236	/	Pass
		688	100	0	19.987	/	Pass
	16QAM	673	100	0	20.032	/	Pass
		683	100	0	20.176	/	Pass
		688	100	0	20.270	/	Pass

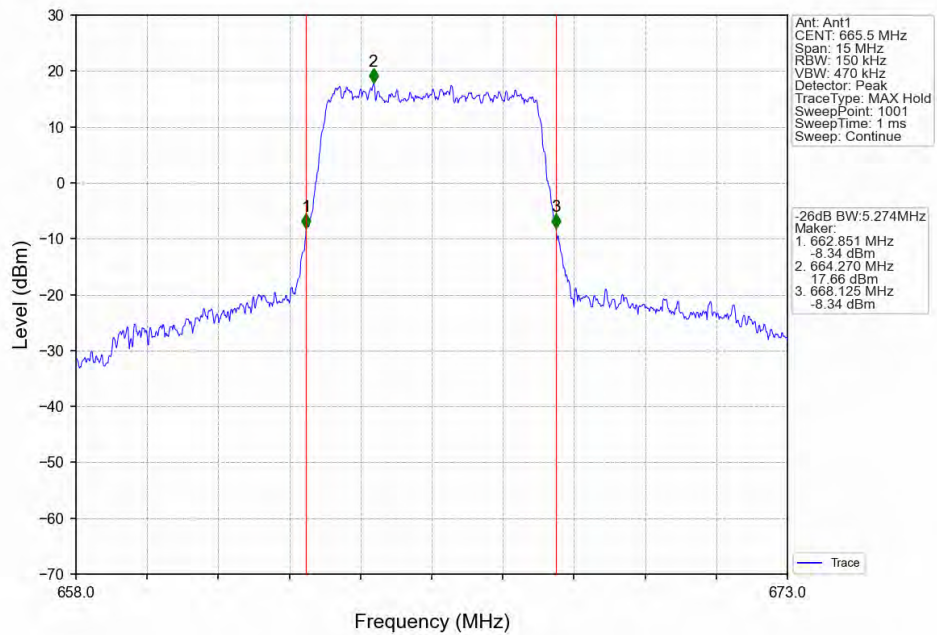
4.2.2 Test Graph



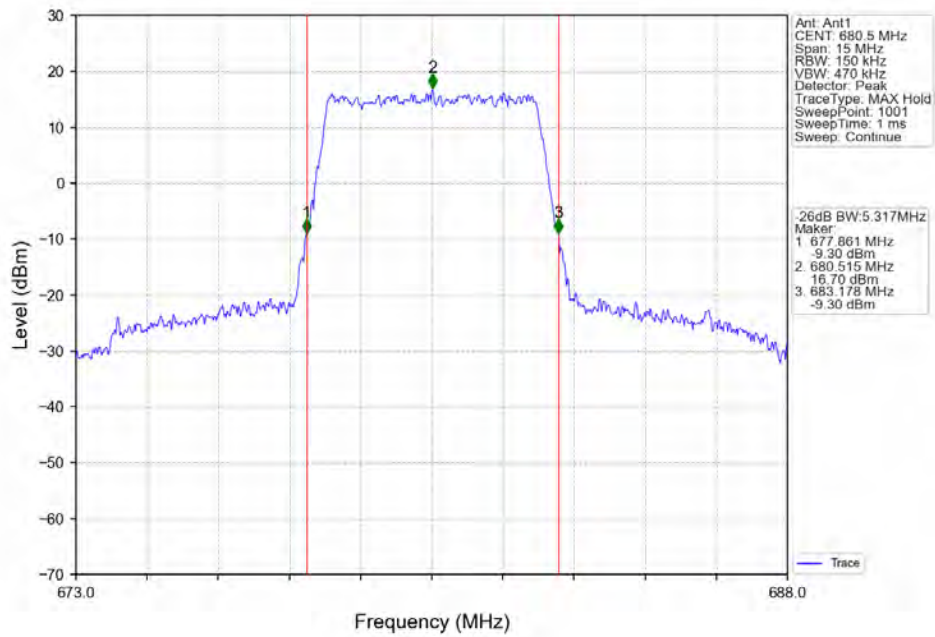
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



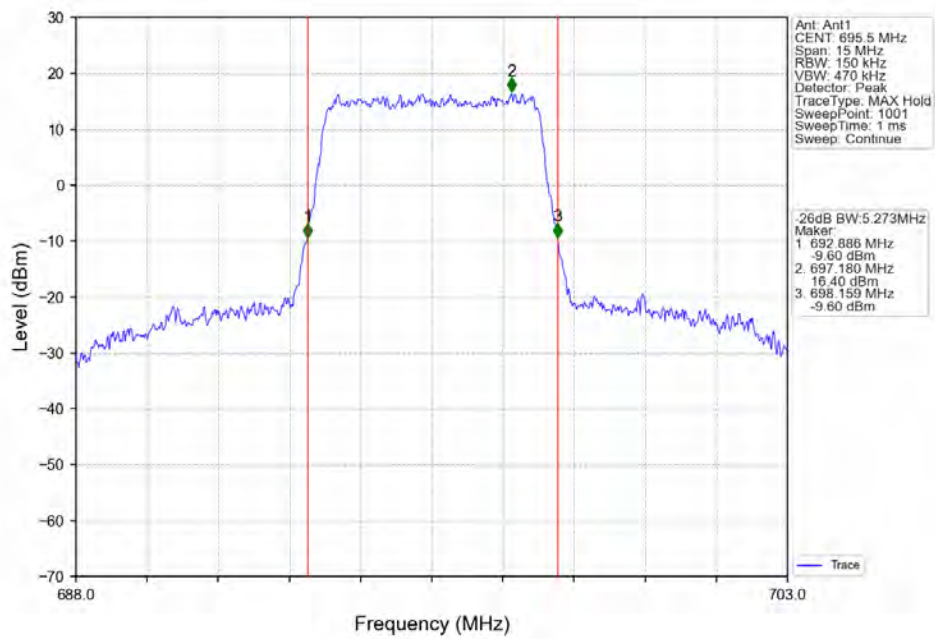
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTV



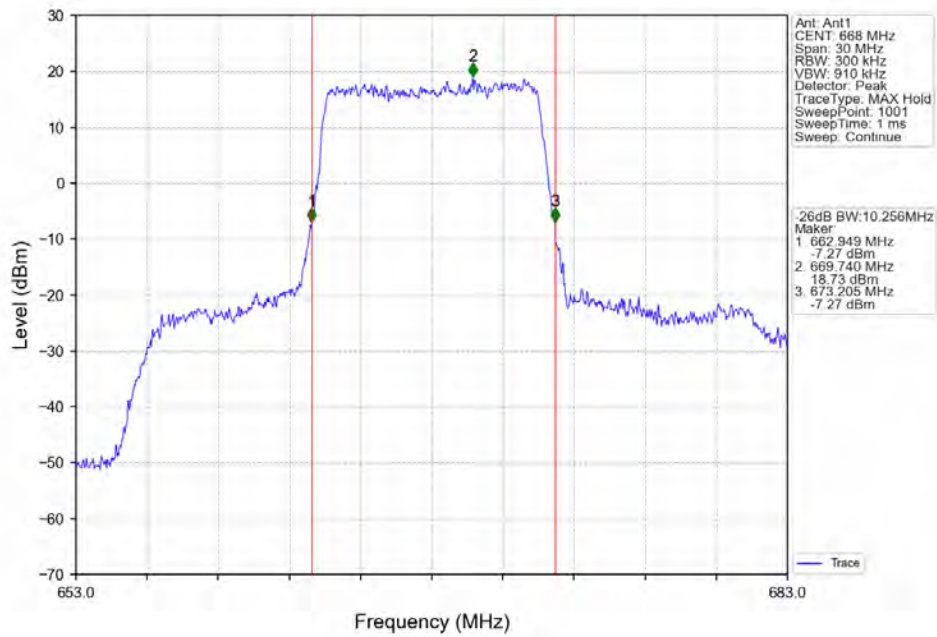
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



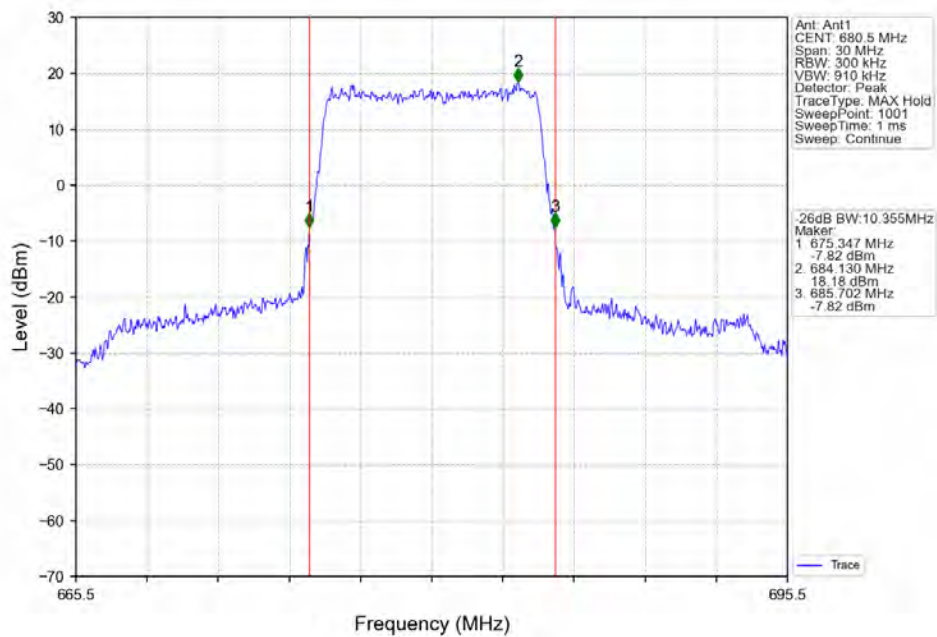
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



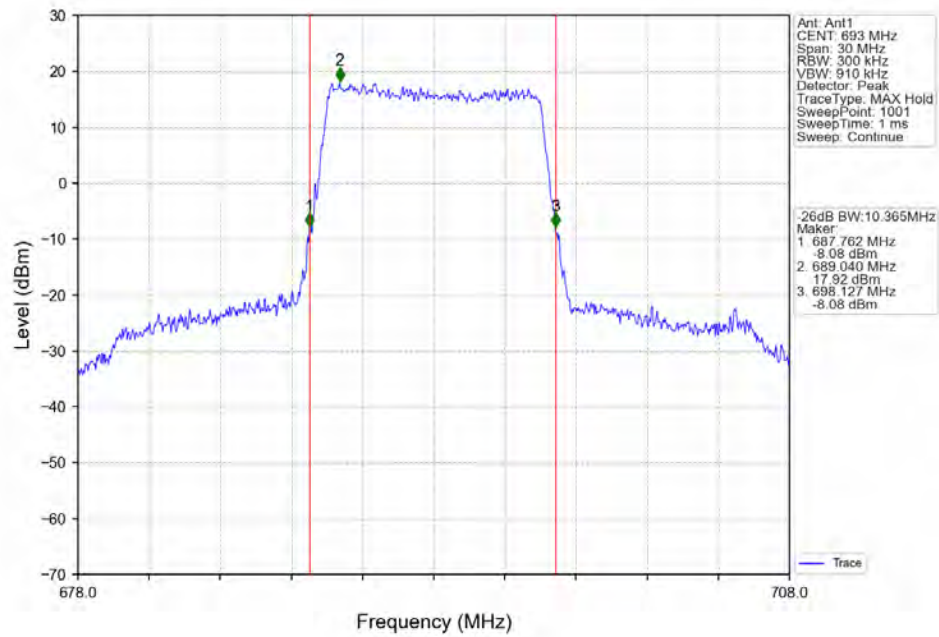
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



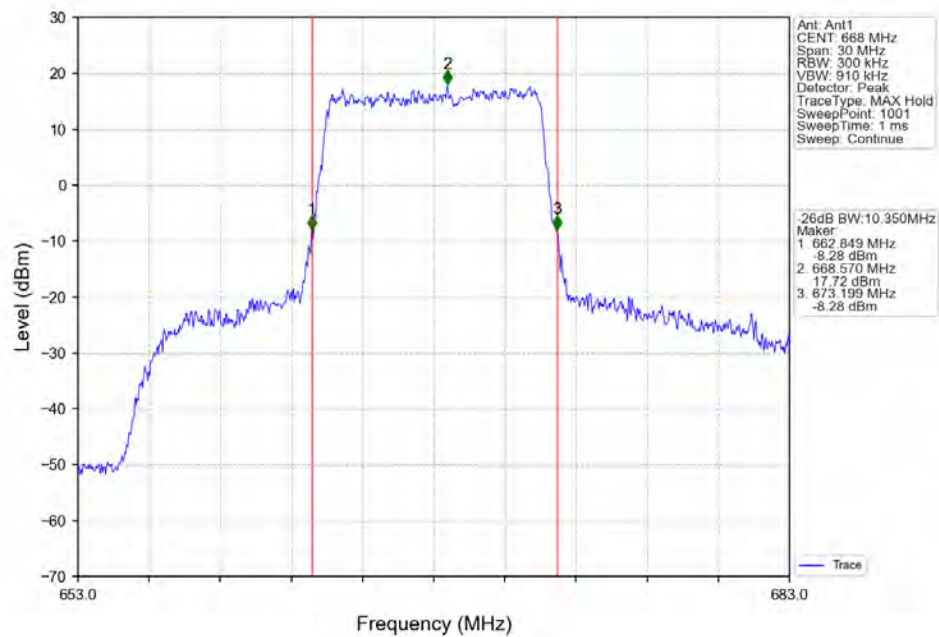
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTN



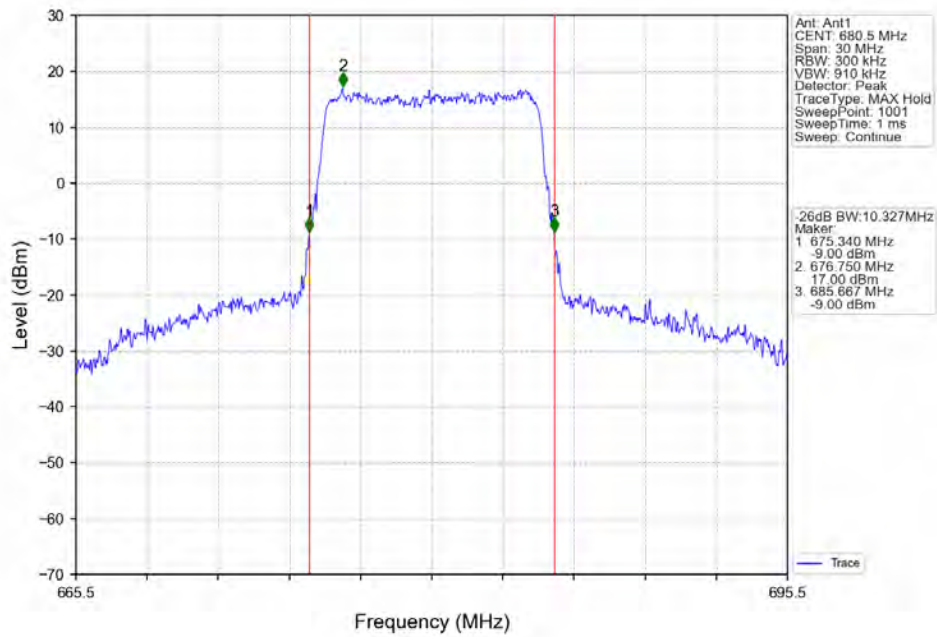
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



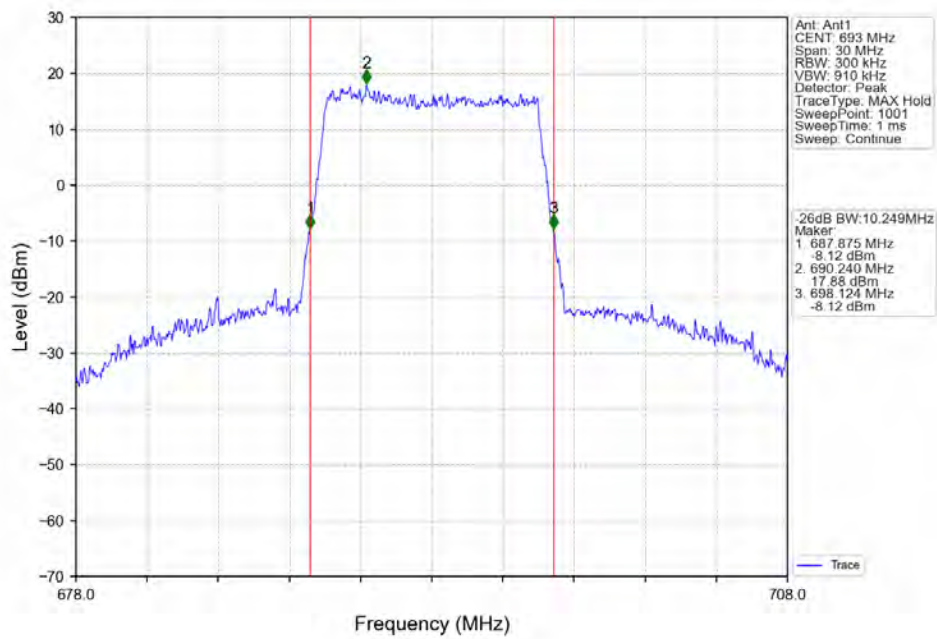
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



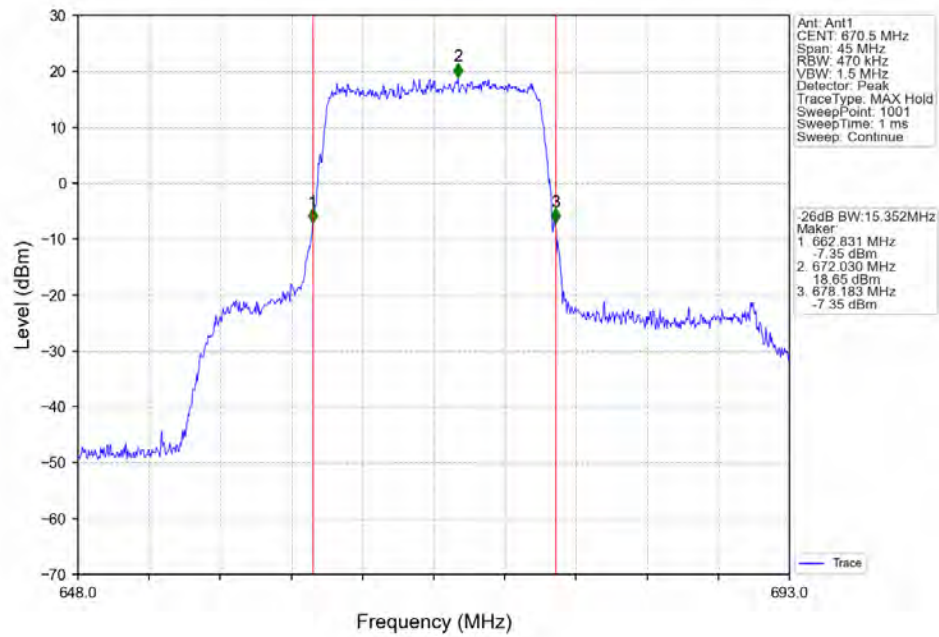
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTNV



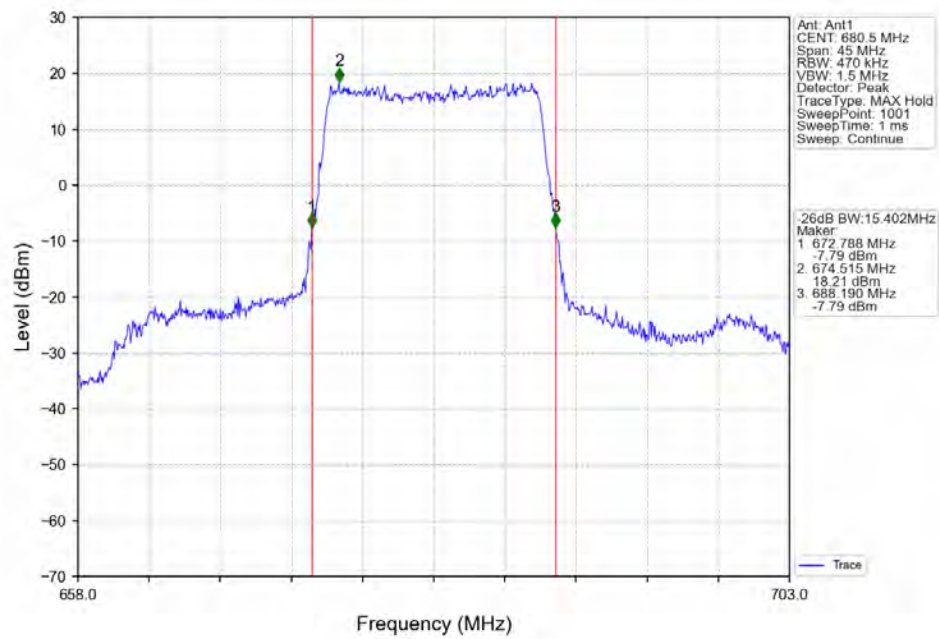
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTNV



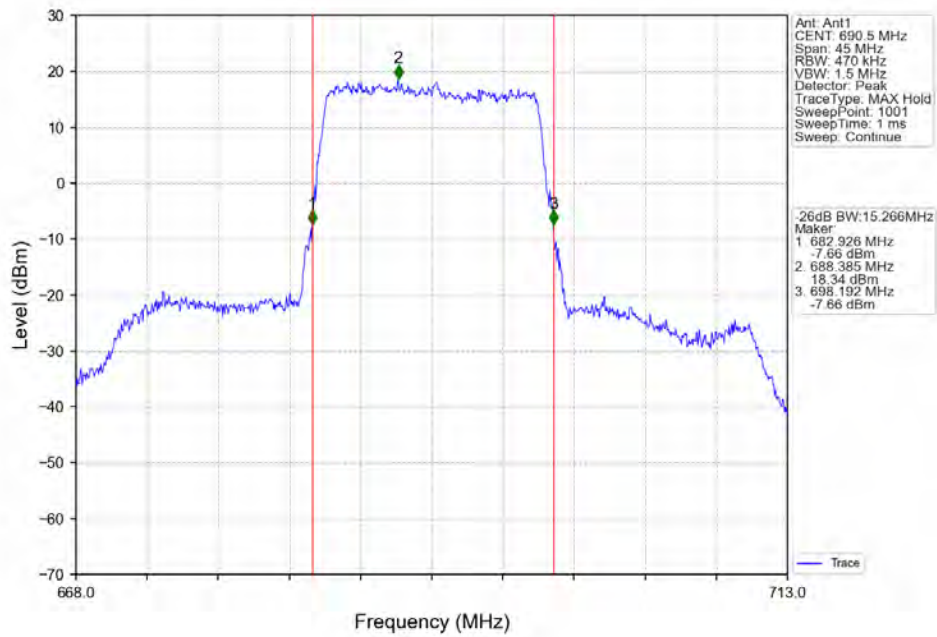
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



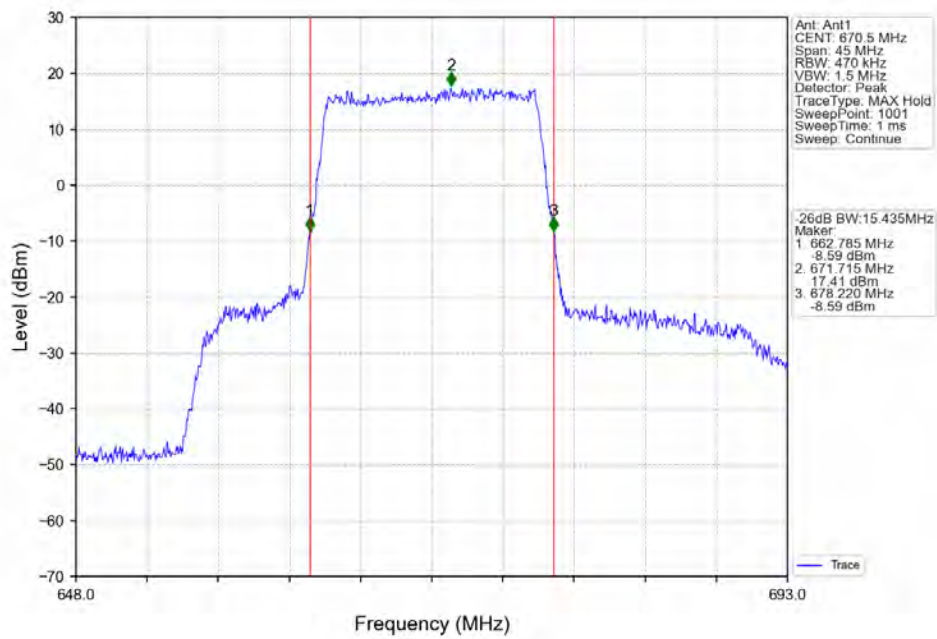
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



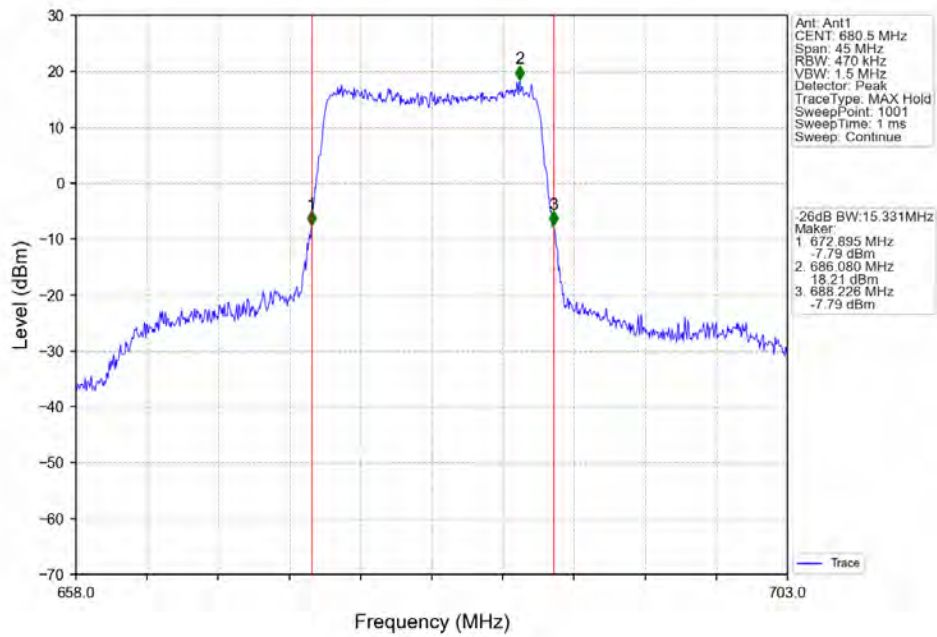
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



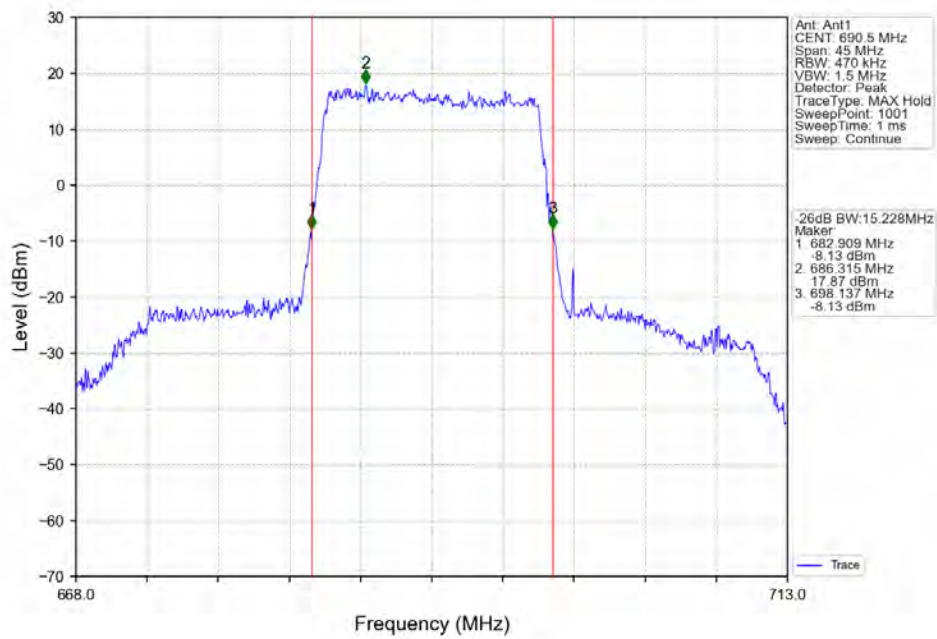
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



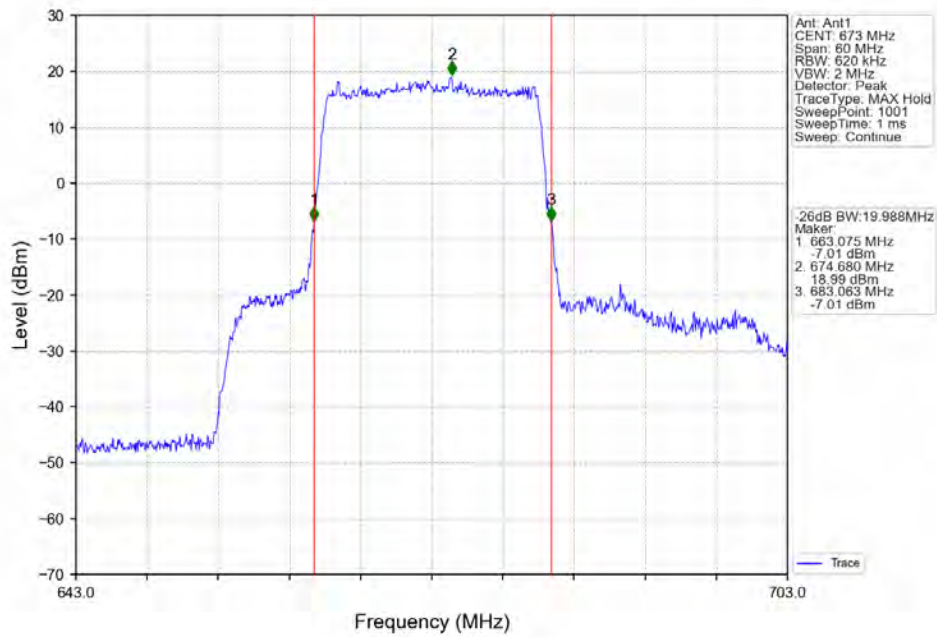
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



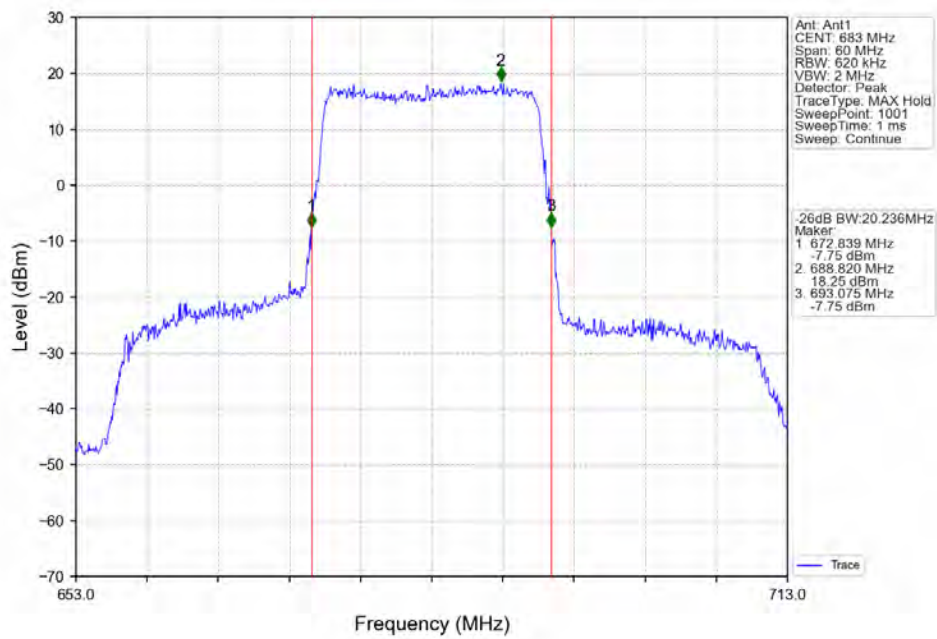
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



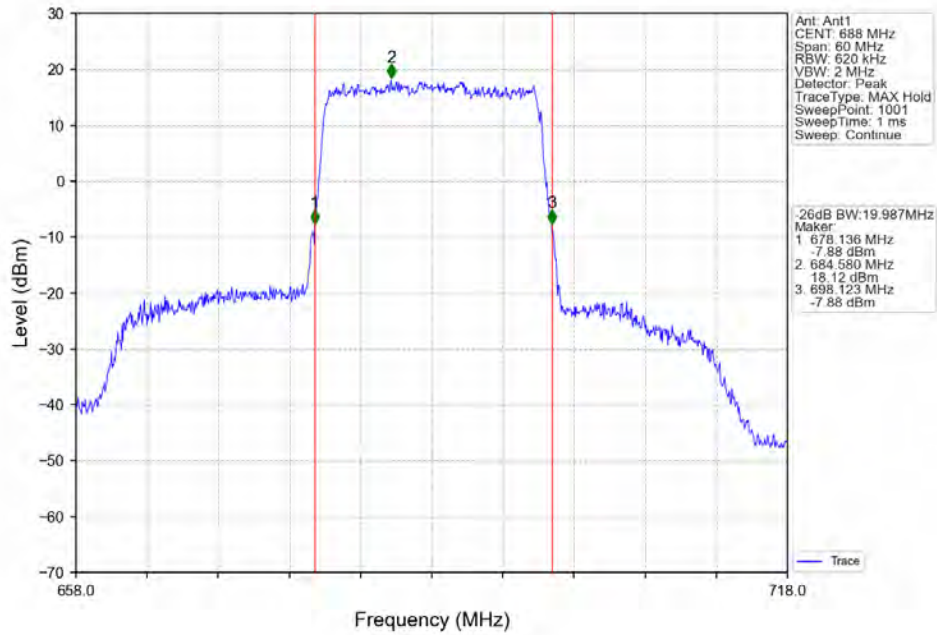
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTV



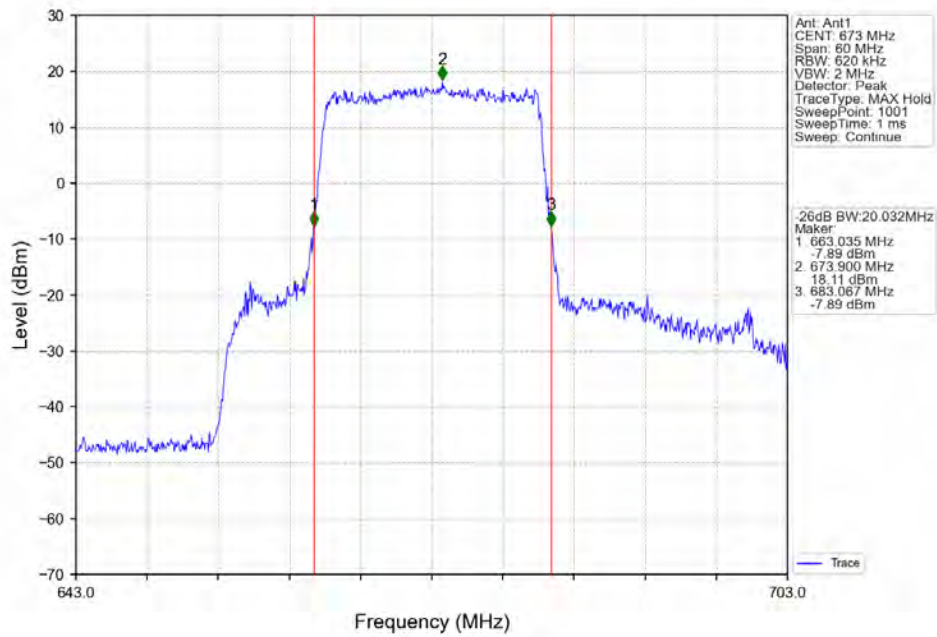
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTV



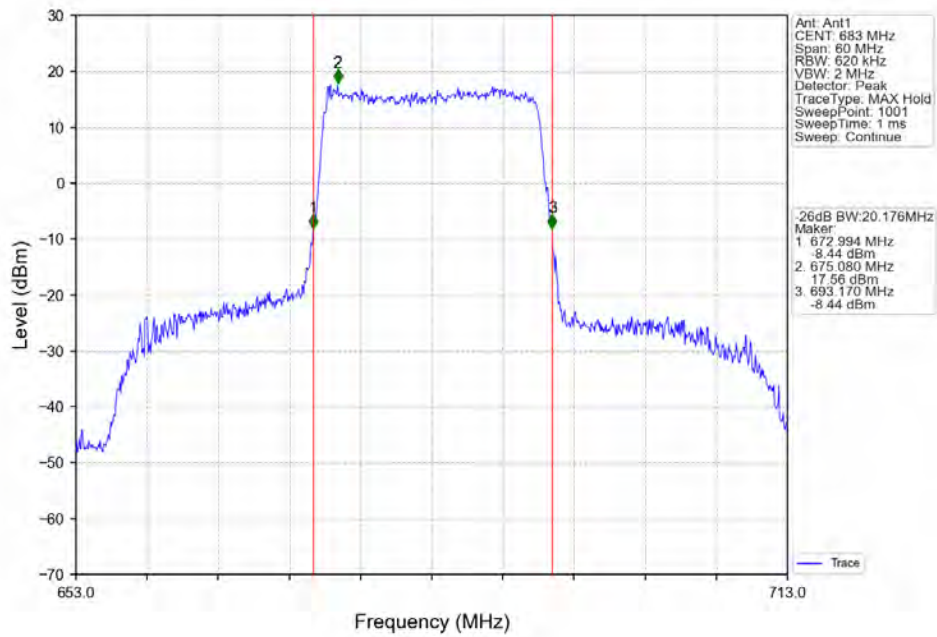
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



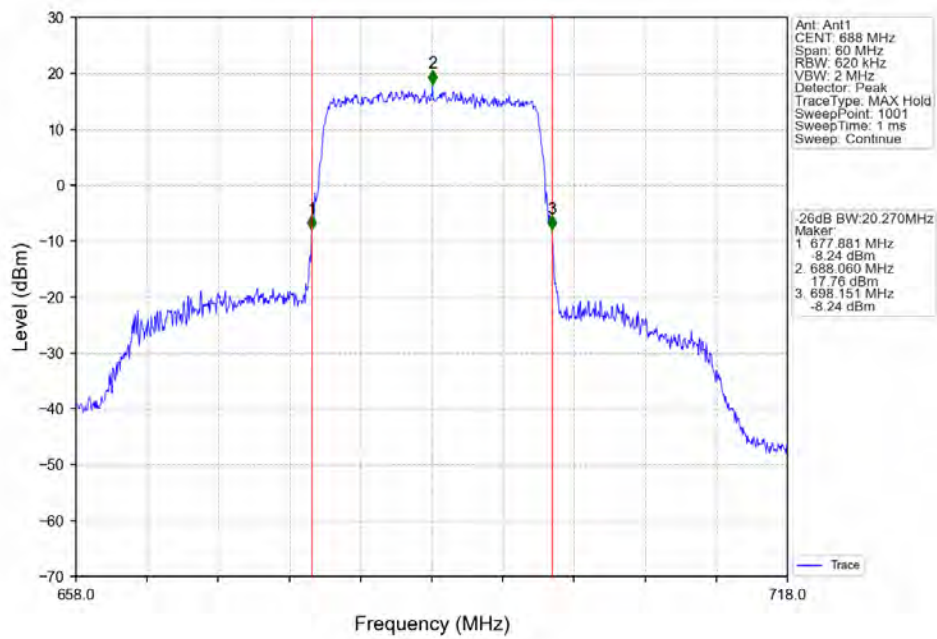
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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



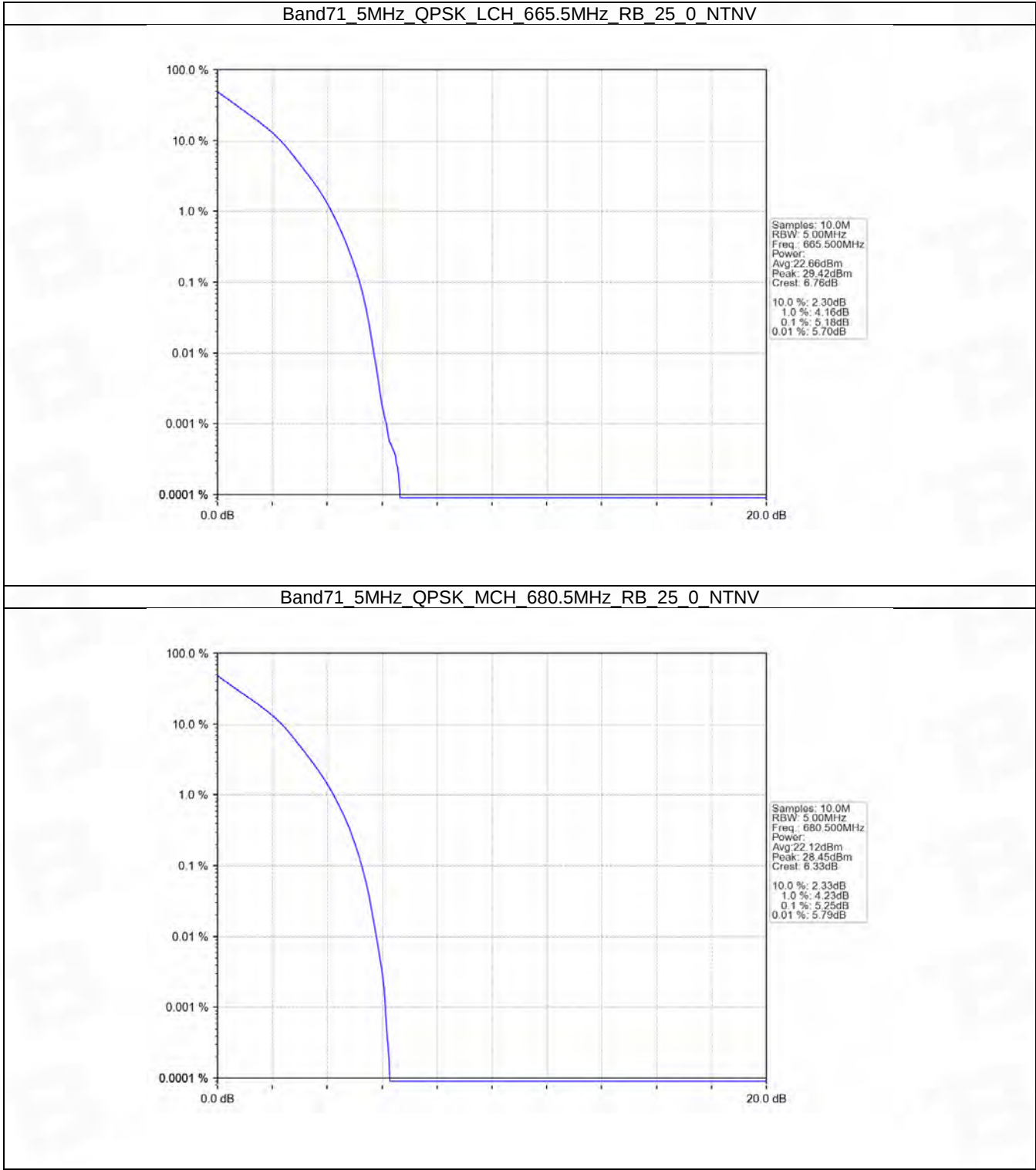
5. Peak-Average Ratio

5.1 B71_5MHz

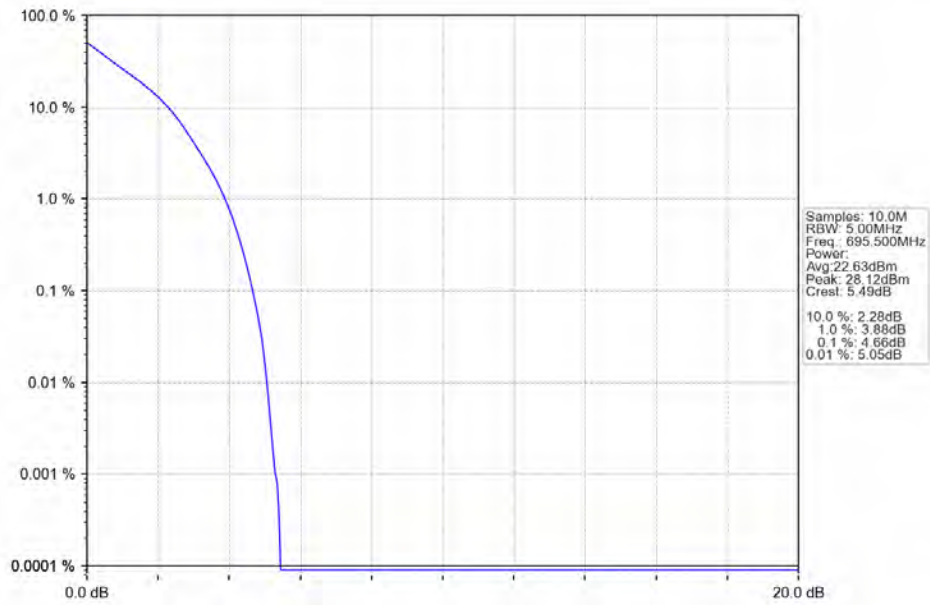
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.18	<=13	Pass
	680.5	25	0	5.25	<=13	Pass
	695.5	25	0	4.66	<=13	Pass
16QAM	665.5	25	0	5.88	<=13	Pass
	680.5	25	0	5.93	<=13	Pass
	695.5	25	0	5.40	<=13	Pass

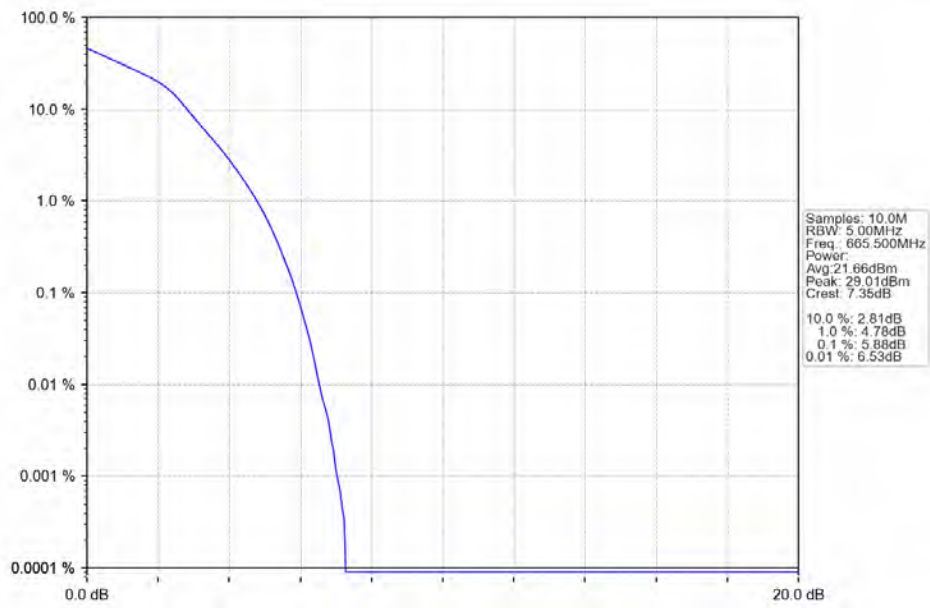
5.1.2 Test Graph



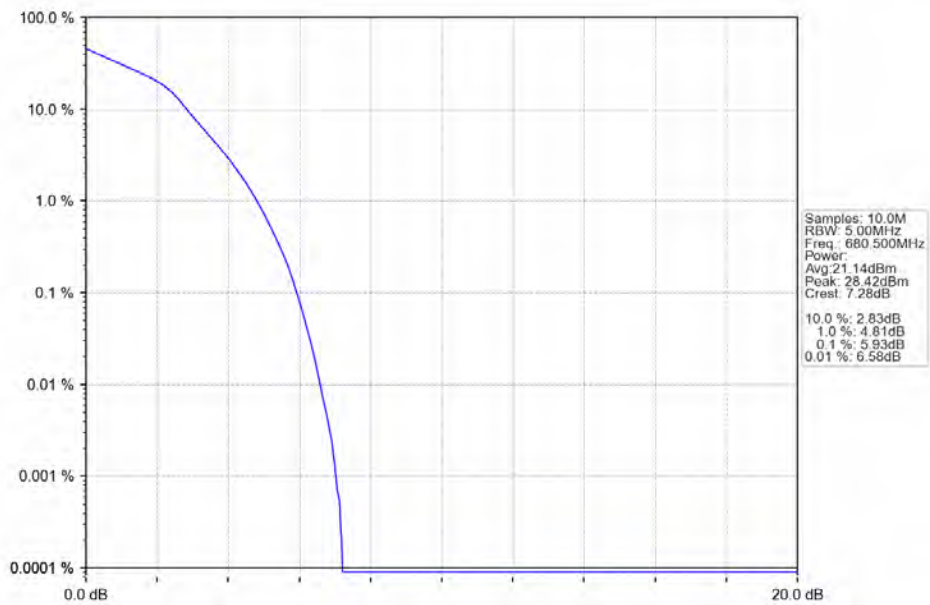
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



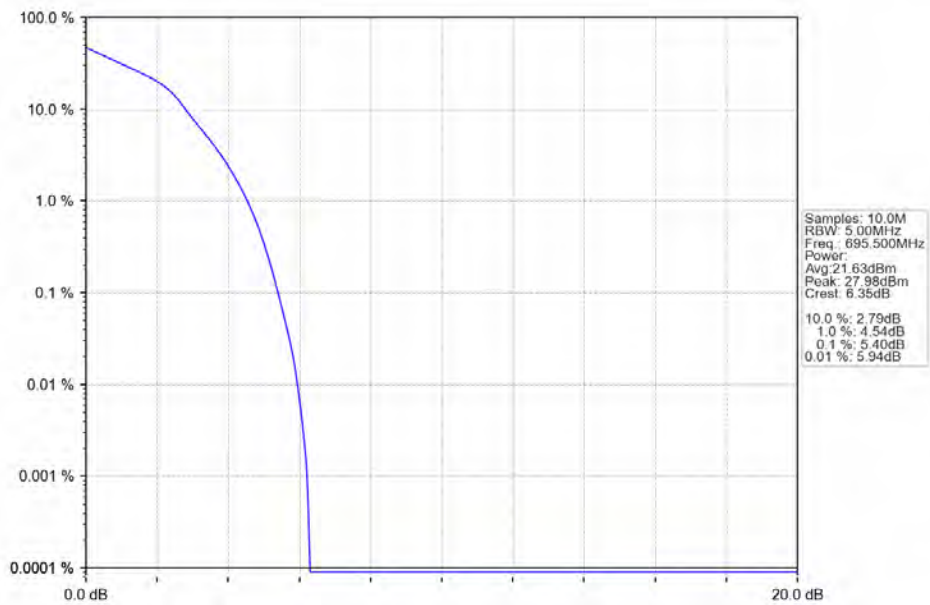
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



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



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

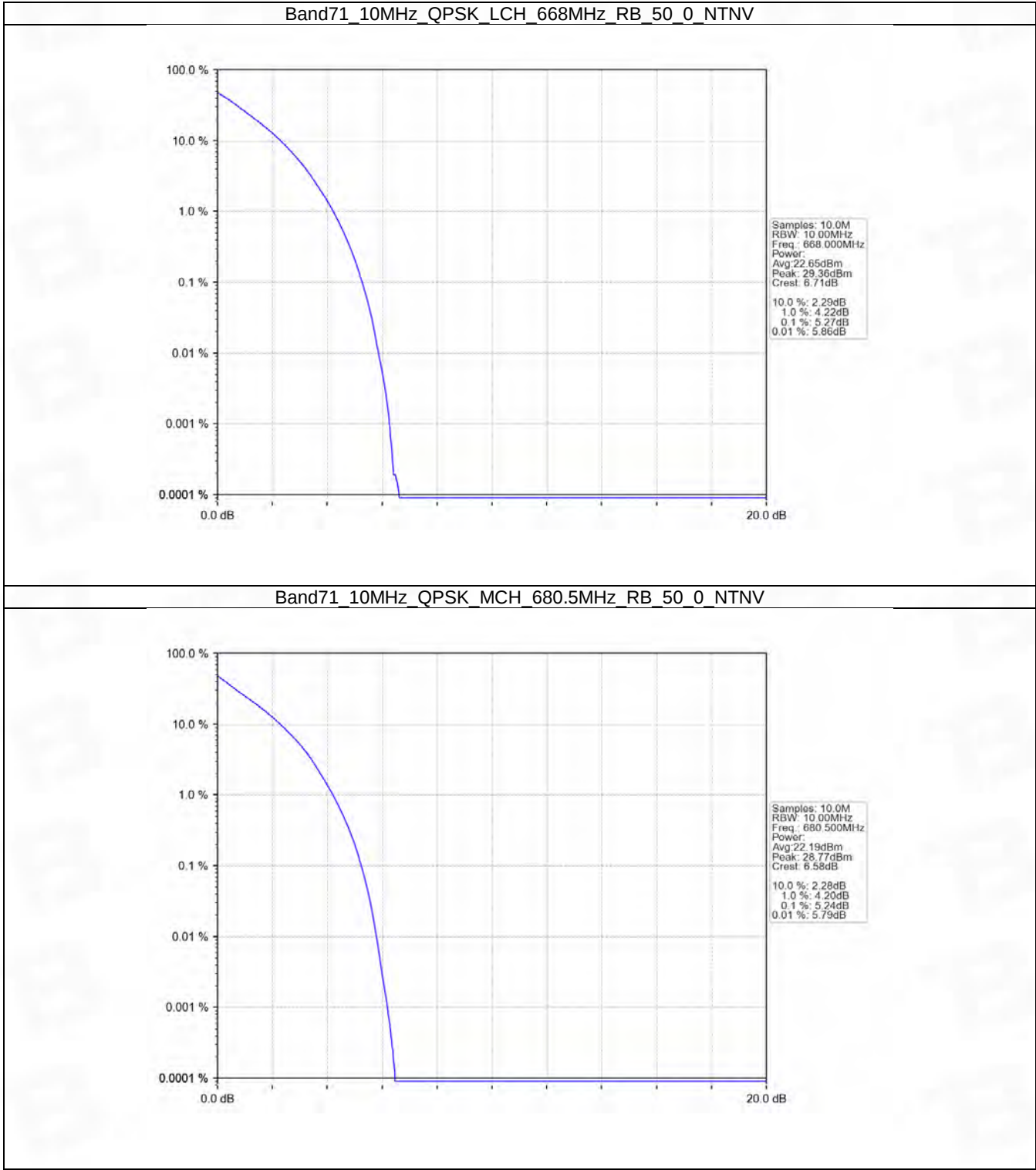


5.2 B71_10MHz

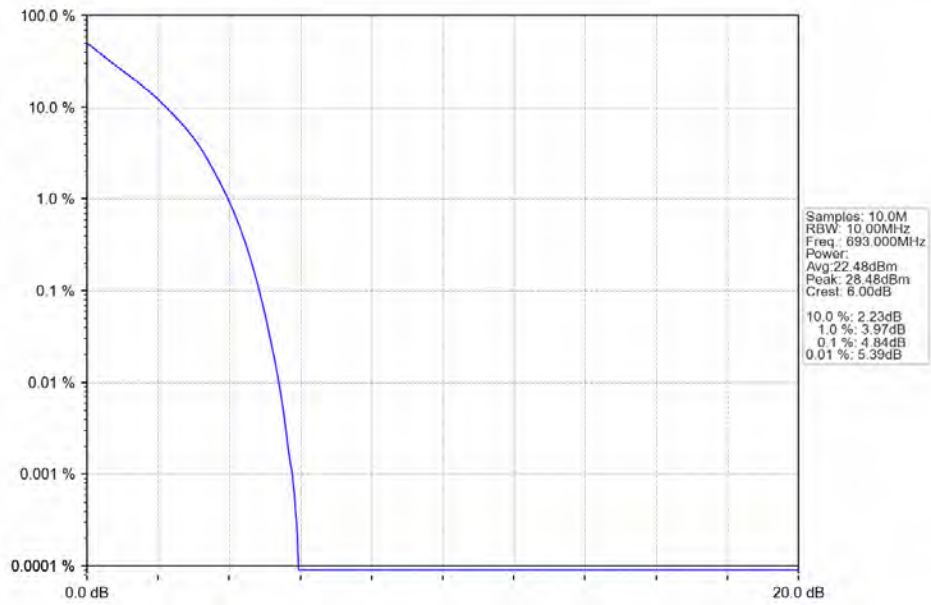
5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.27	<=13	Pass
	680.5	50	0	5.24	<=13	Pass
	693	50	0	4.84	<=13	Pass
16QAM	668	50	0	6.03	<=13	Pass
	680.5	50	0	5.99	<=13	Pass
	693	50	0	5.56	<=13	Pass

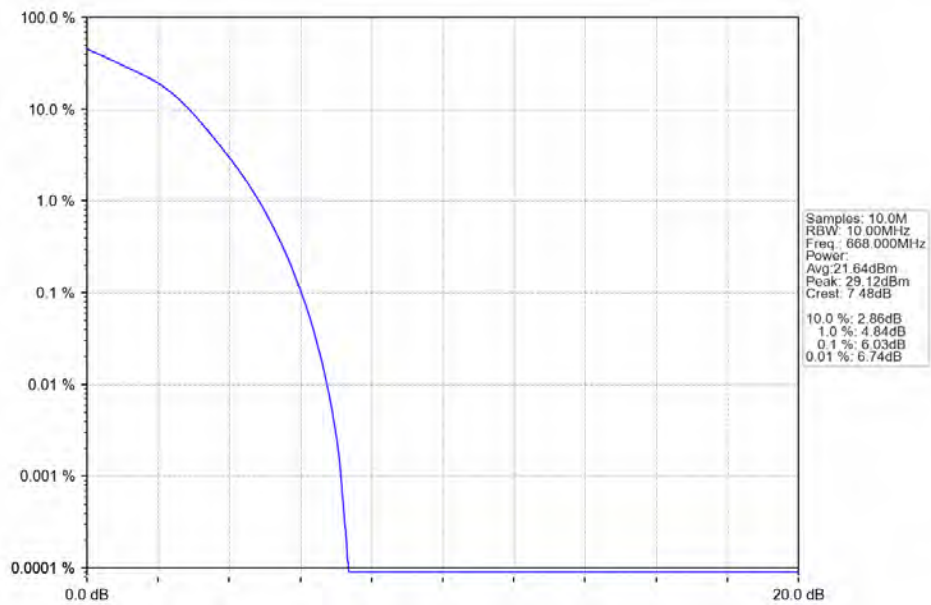
5.2.2 Test Graph



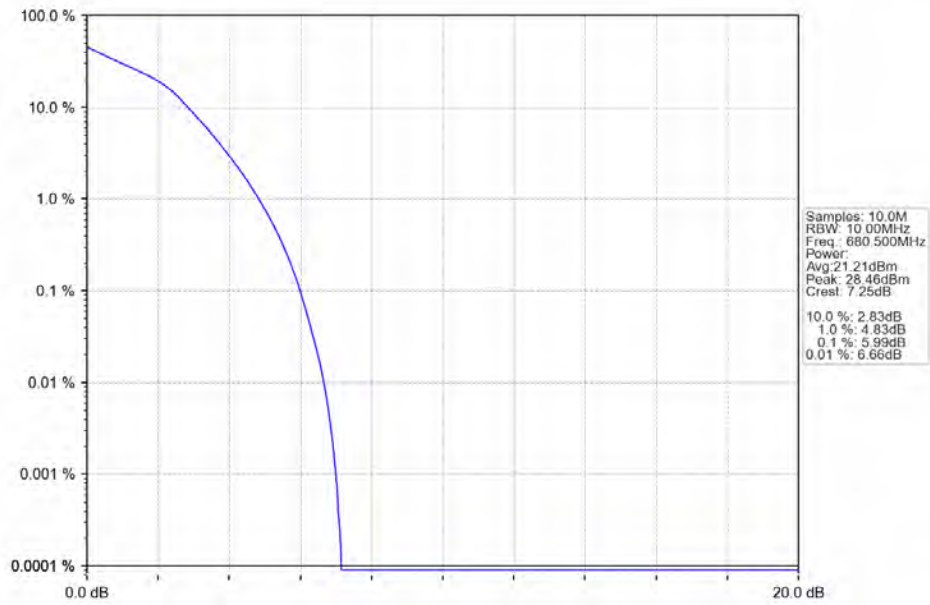
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



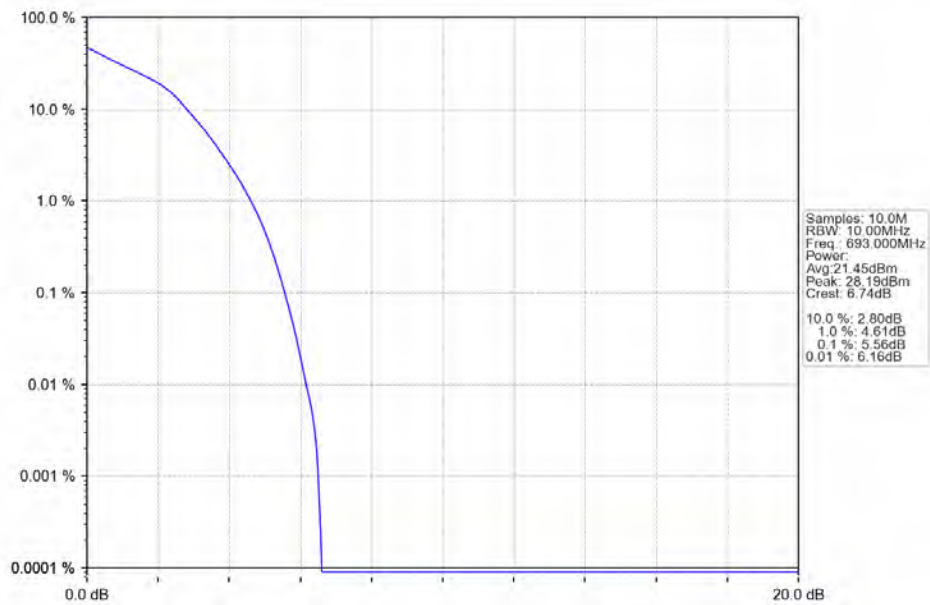
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



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



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

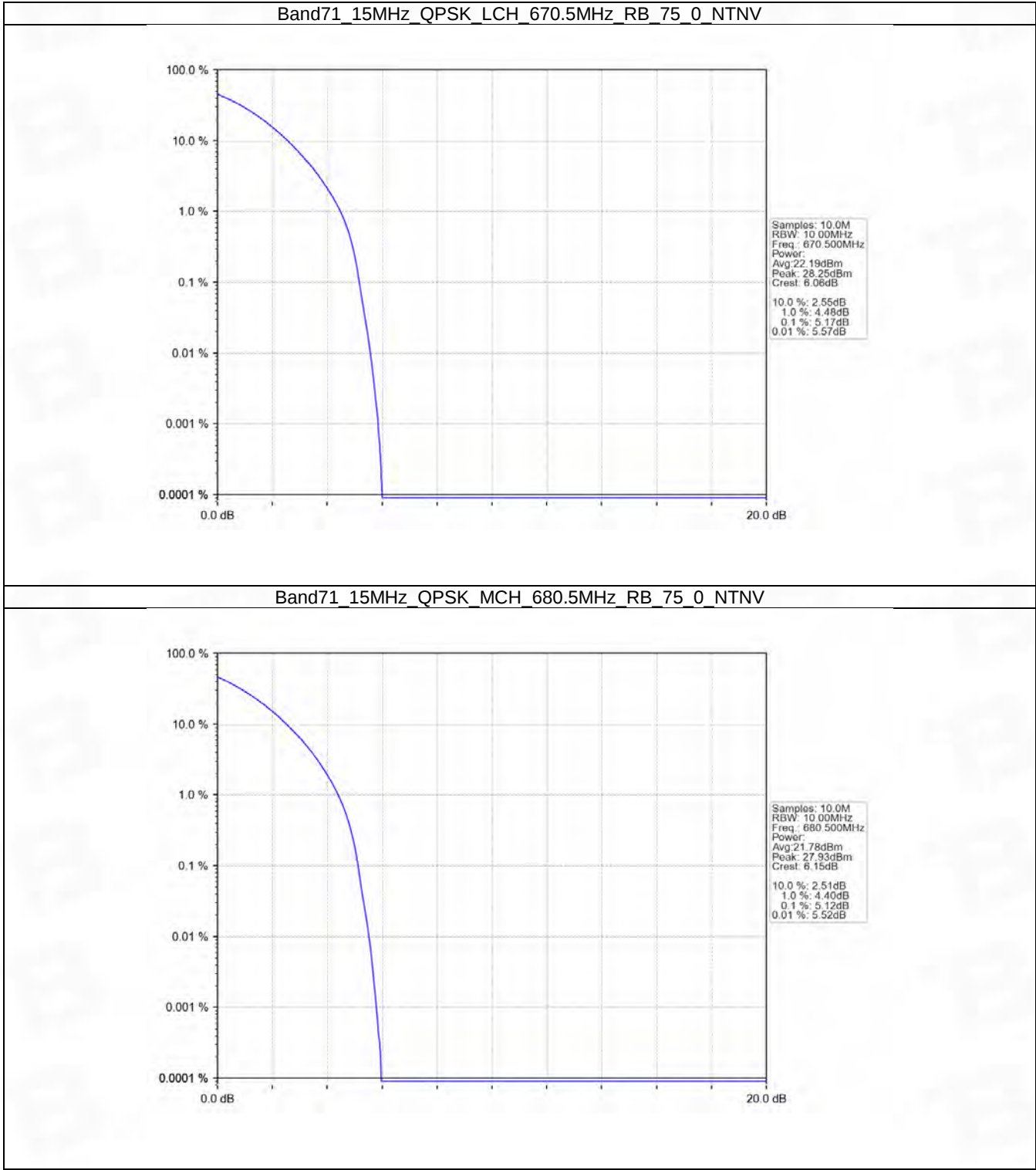


5.3 B71_15MHz

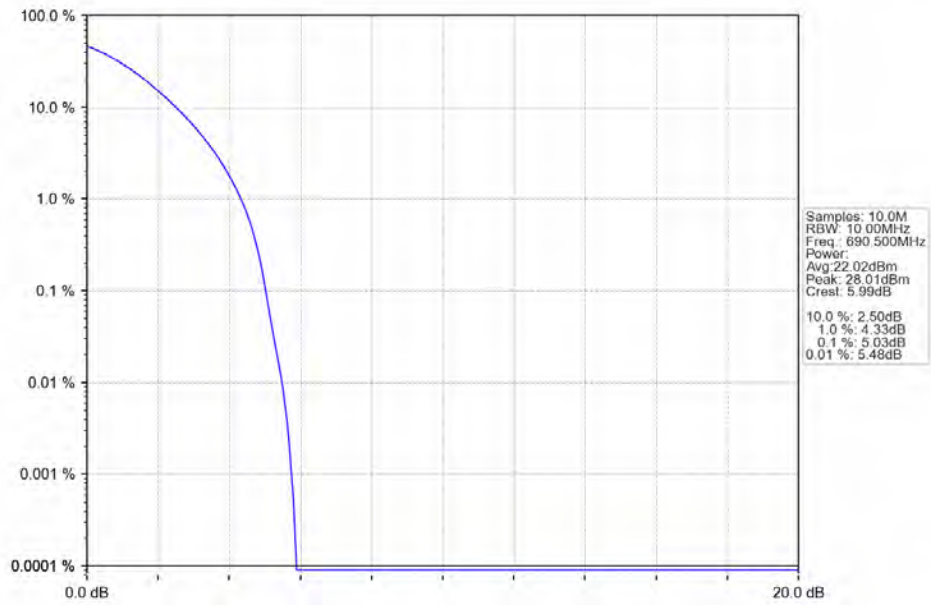
5.3.1 Test Result

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	5.12	<=13	Pass
	690.5	75	0	5.03	<=13	Pass
16QAM	670.5	75	0	6.03	<=13	Pass
	680.5	75	0	5.96	<=13	Pass
	690.5	75	0	5.81	<=13	Pass

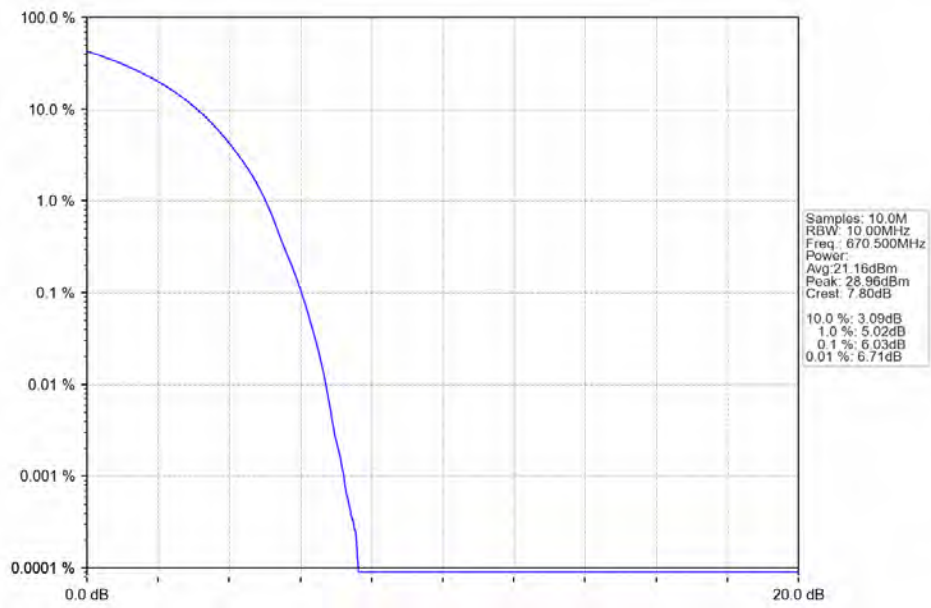
5.3.2 Test Graph



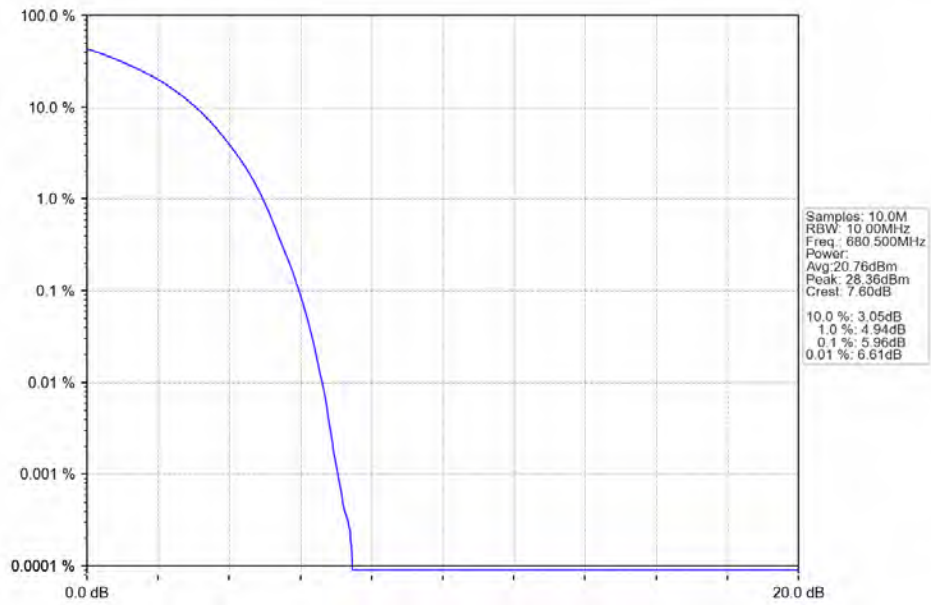
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



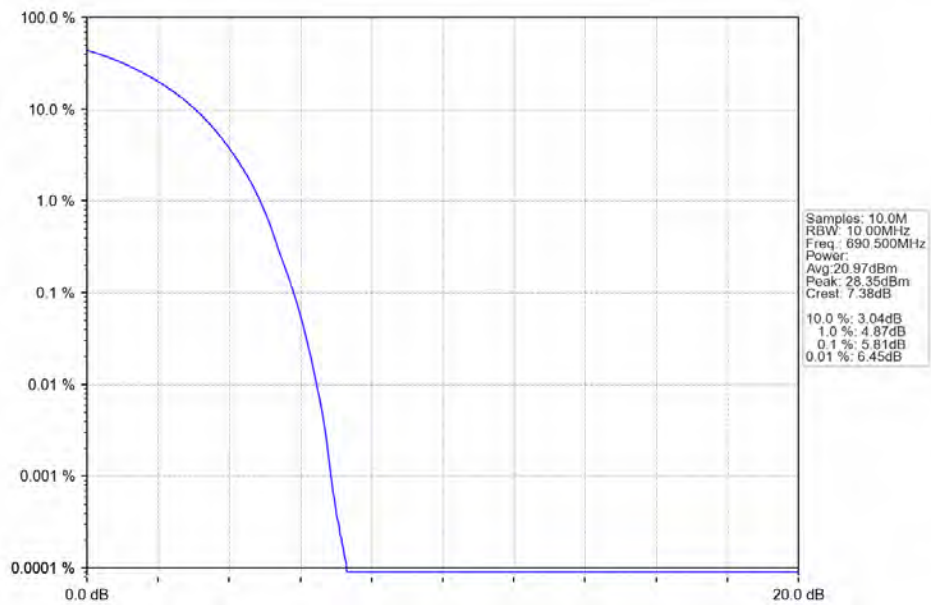
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV

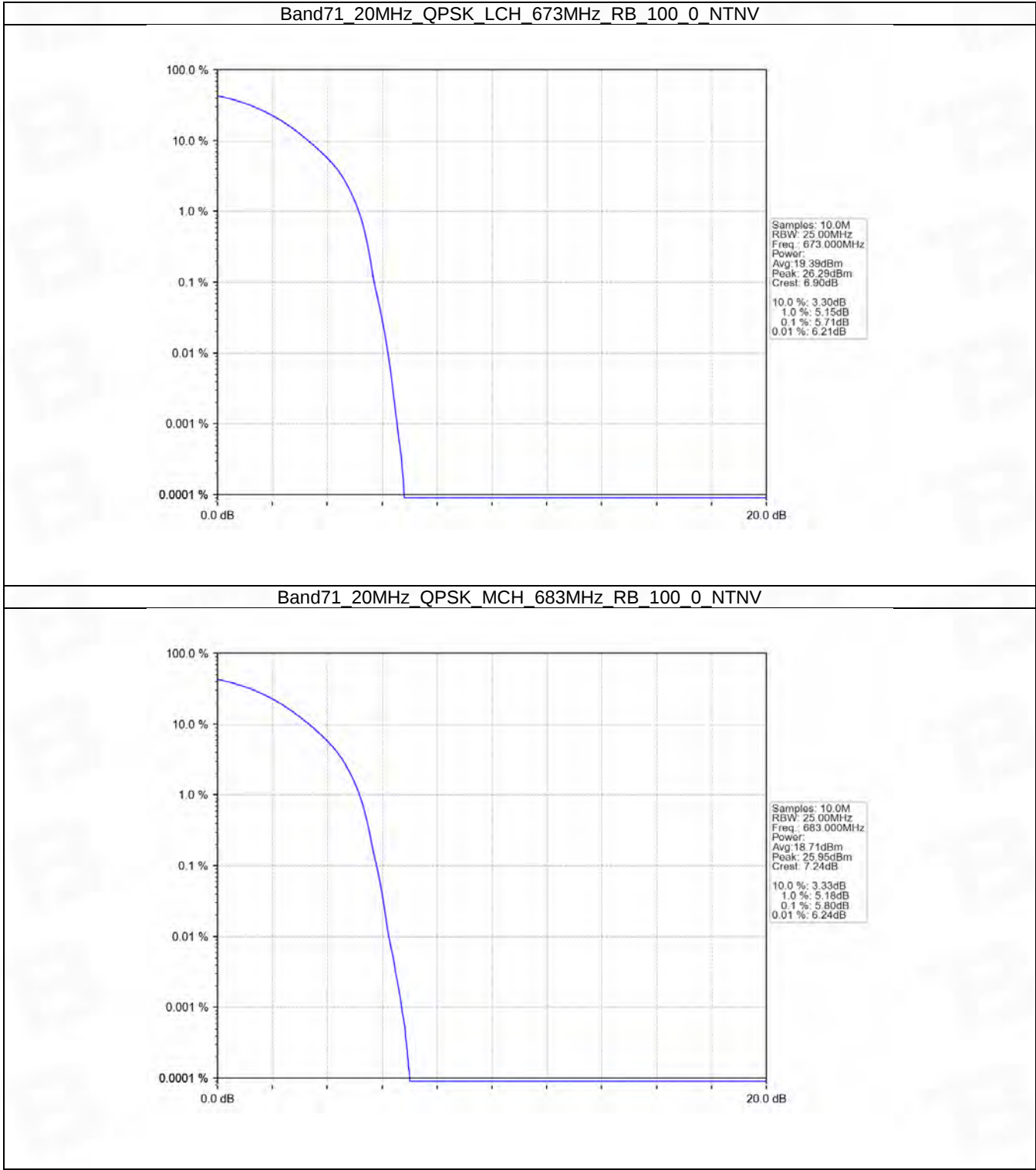


5.4 B71_20MHz

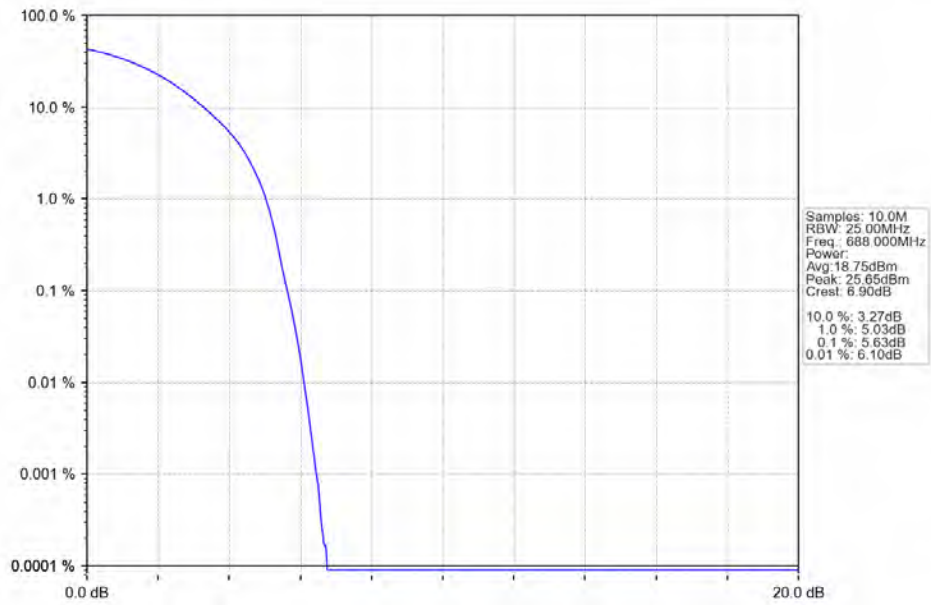
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.71	<=13	Pass
	683	100	0	5.80	<=13	Pass
	688	100	0	5.63	<=13	Pass
16QAM	673	100	0	6.71	<=13	Pass
	683	100	0	6.74	<=13	Pass
	688	100	0	6.67	<=13	Pass

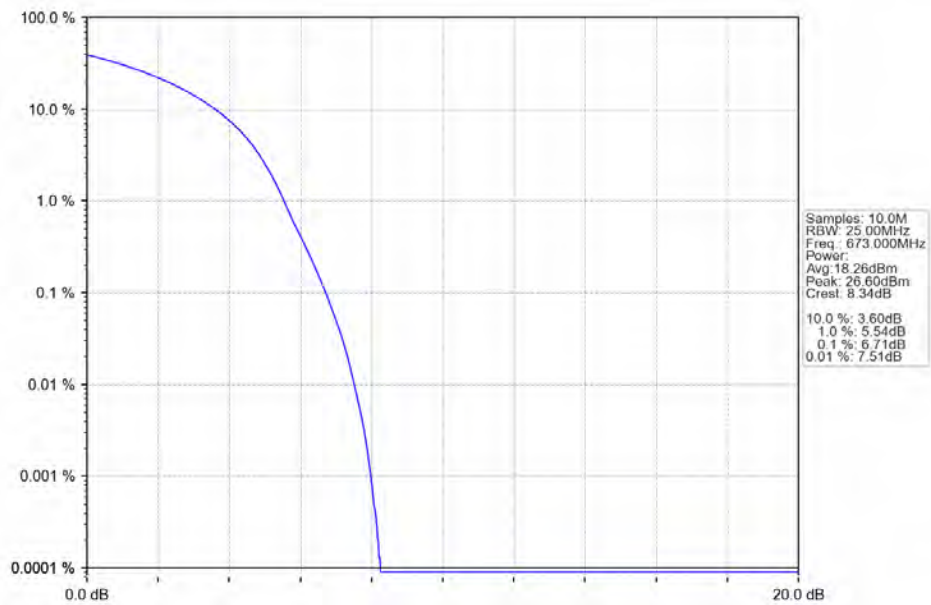
5.4.2 Test Graph



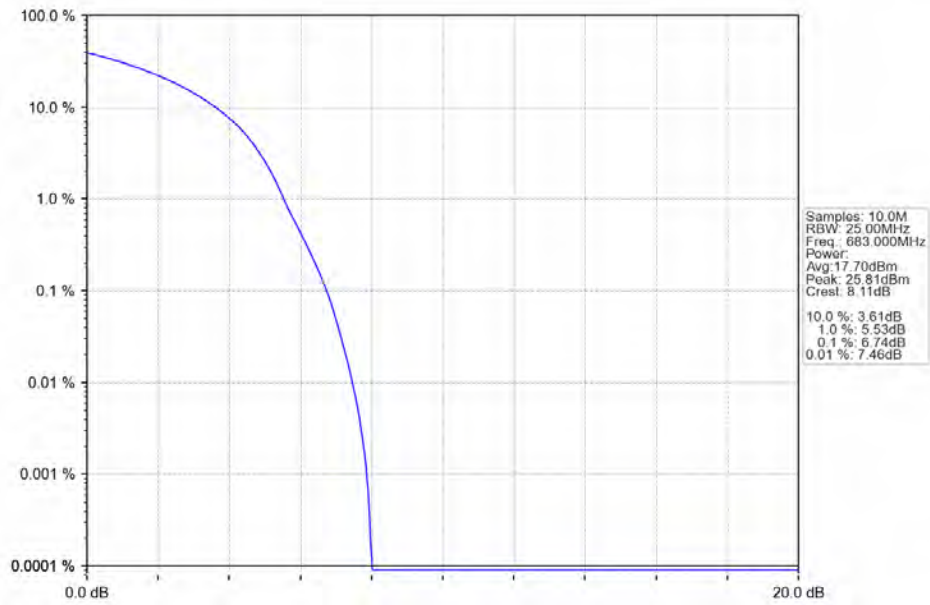
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



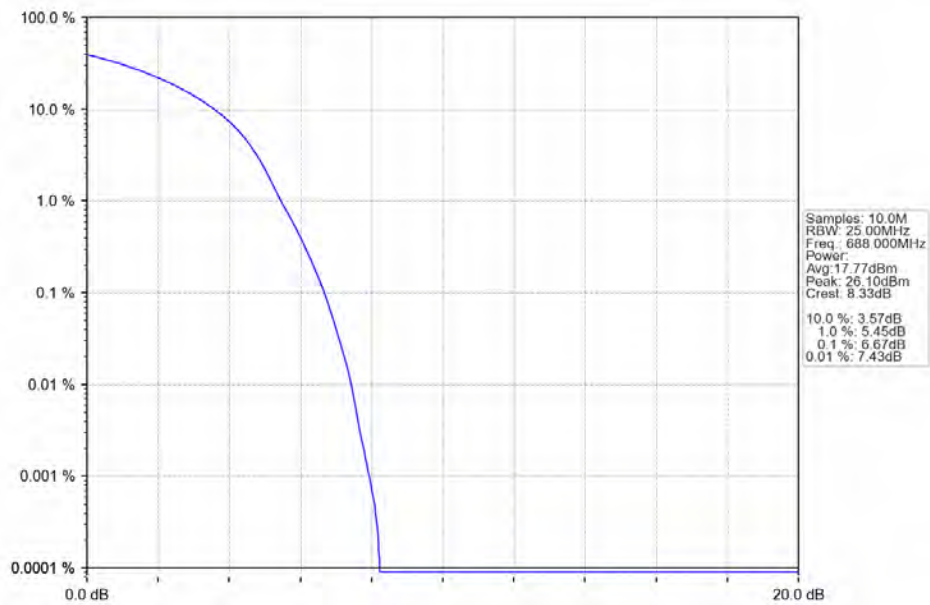
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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



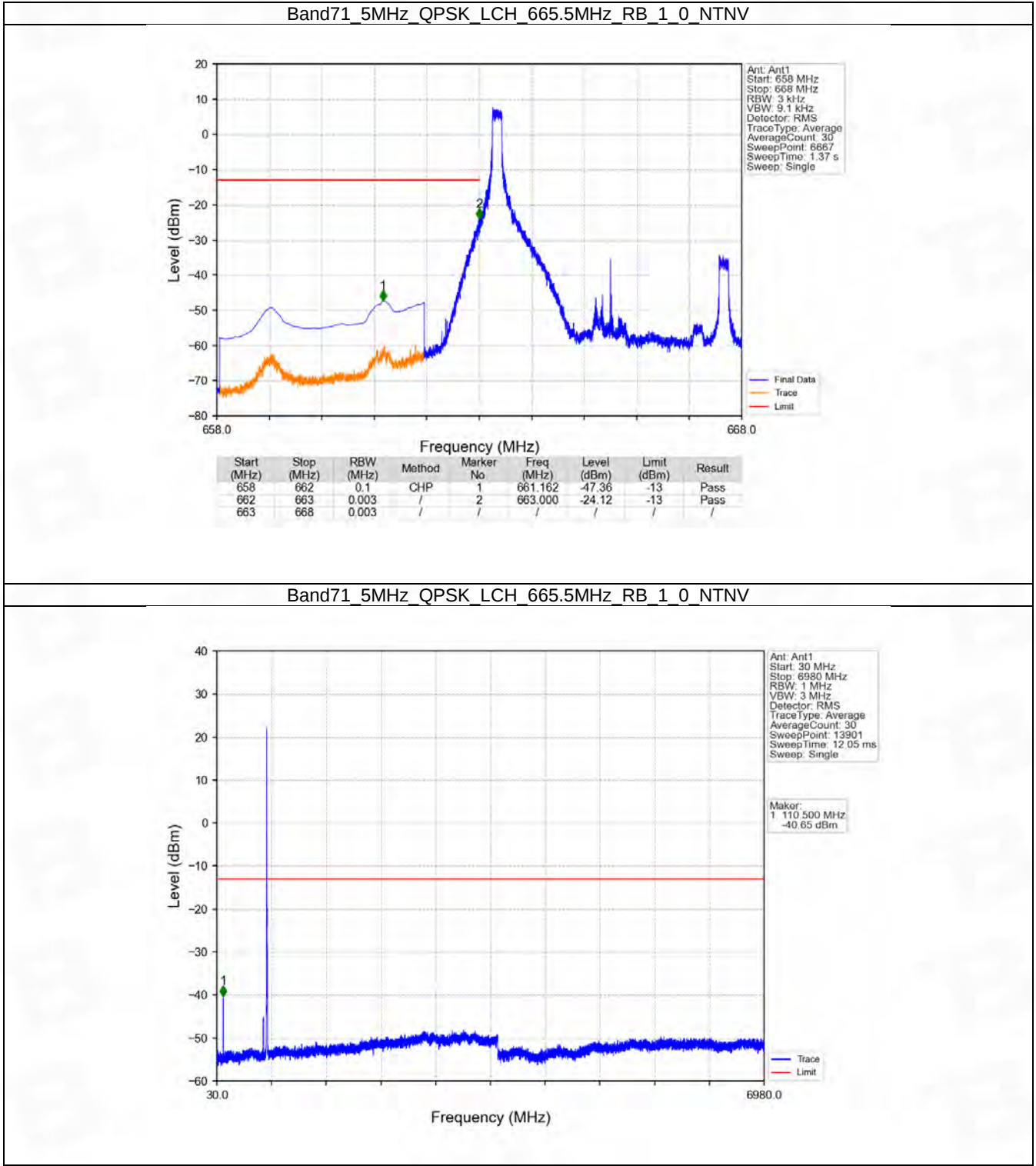
6. Spurious Emission

6.1 B71_5MHz

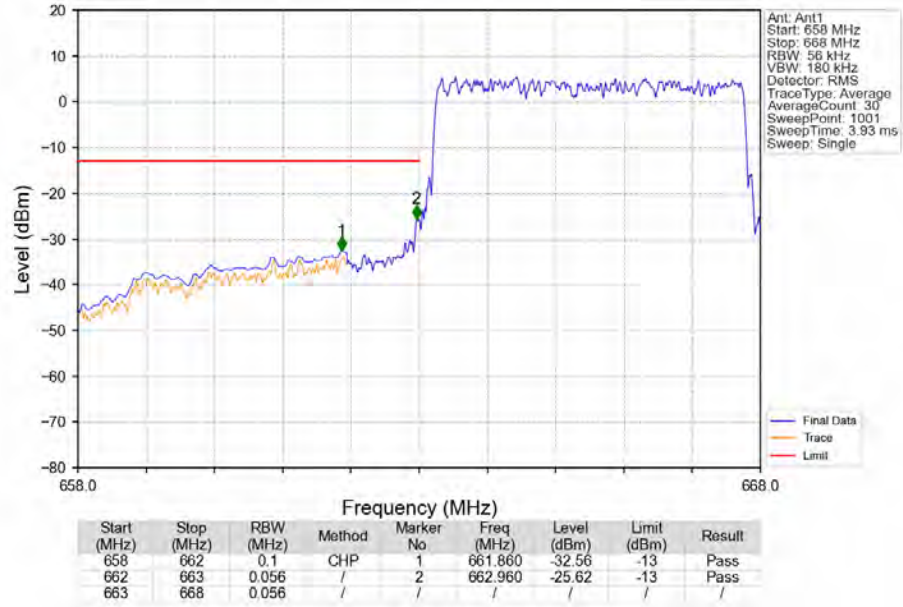
6.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

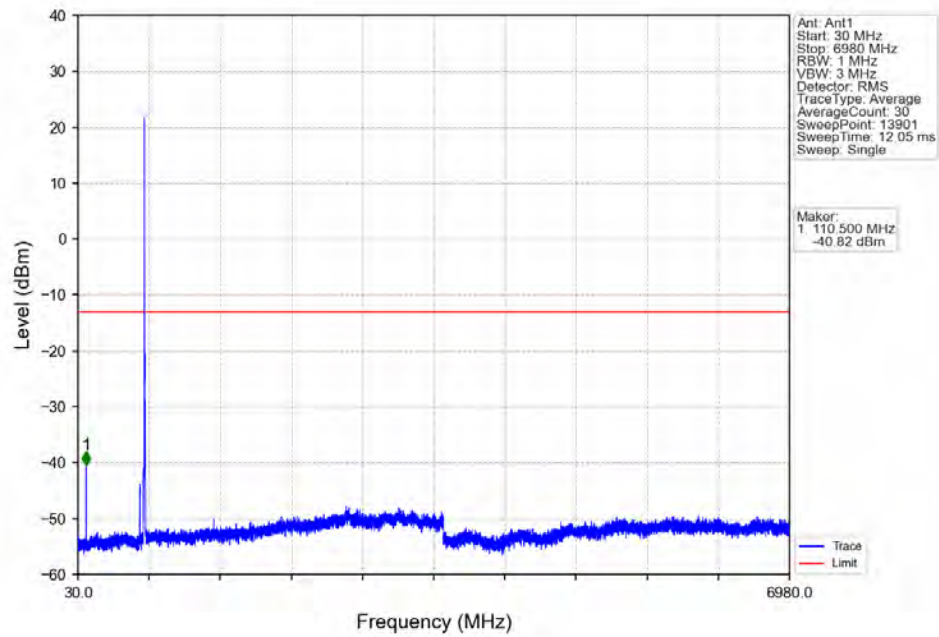
6.1.2 Test Graph



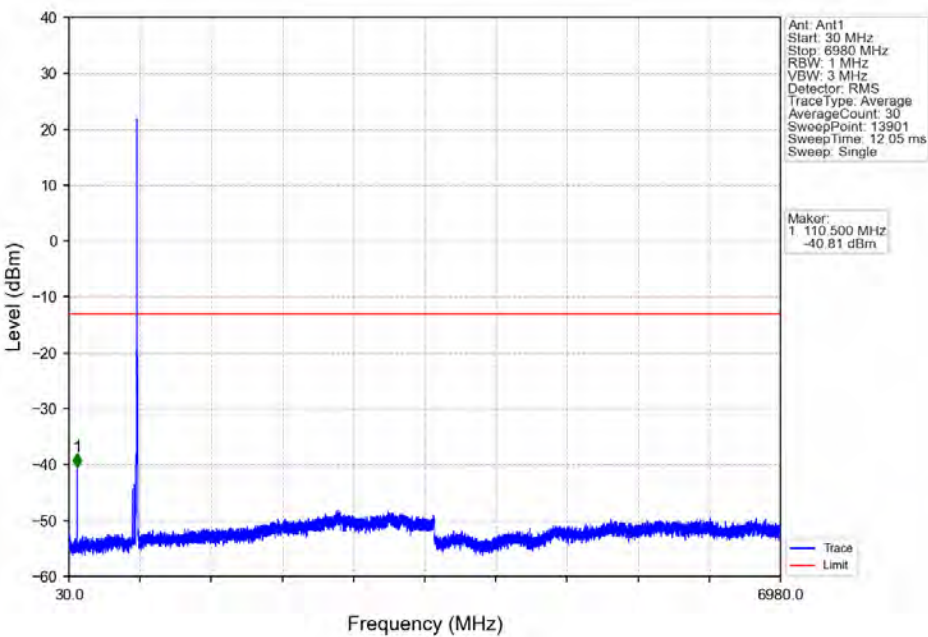
Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV



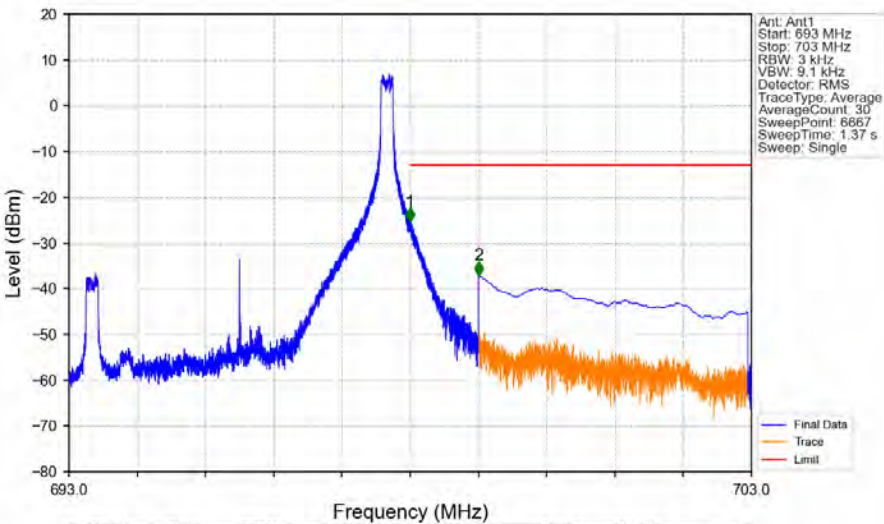
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTNV



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN

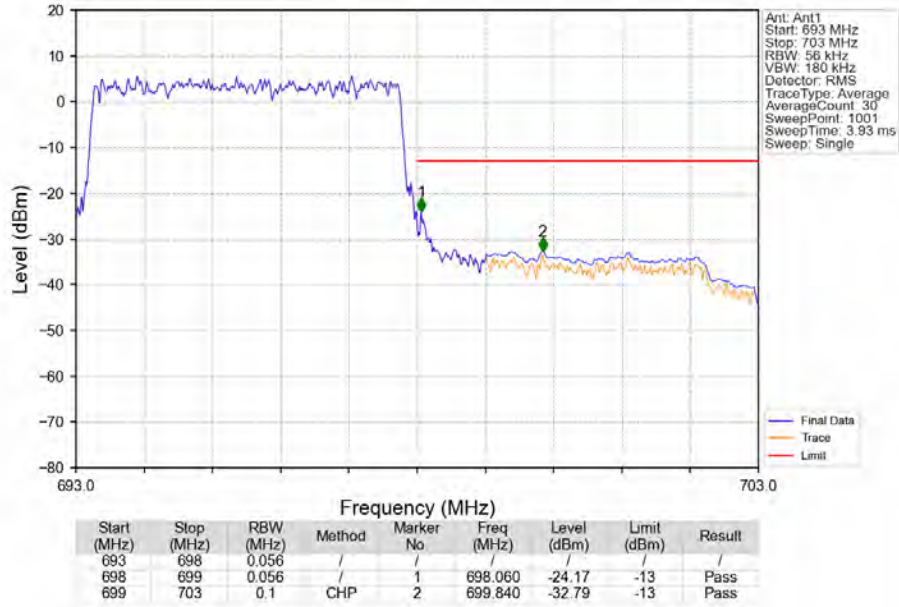


Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTN

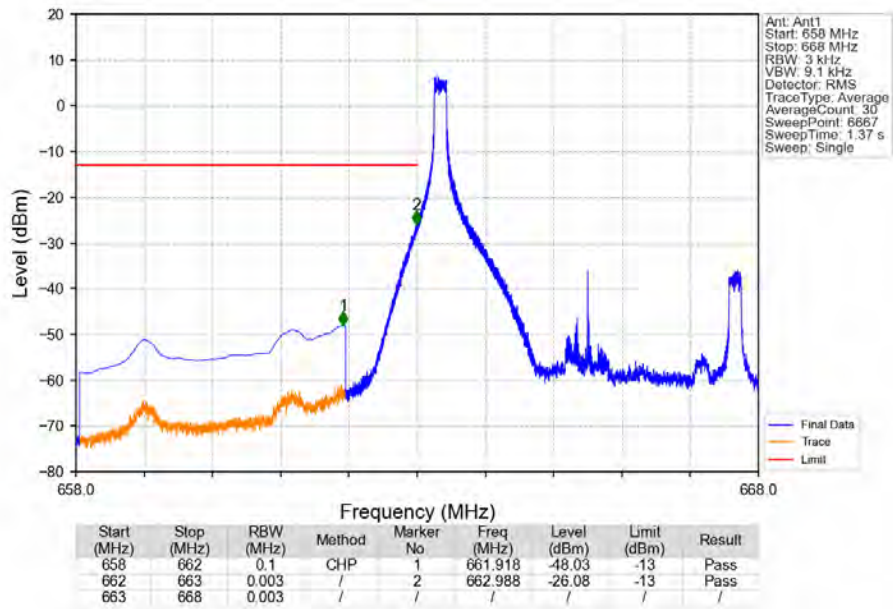


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	1	698.000	-25.28	-13	Pass
698	699	0.003	/	2	699.005	-37.07	-13	Pass
699	703	0.1	CHP					

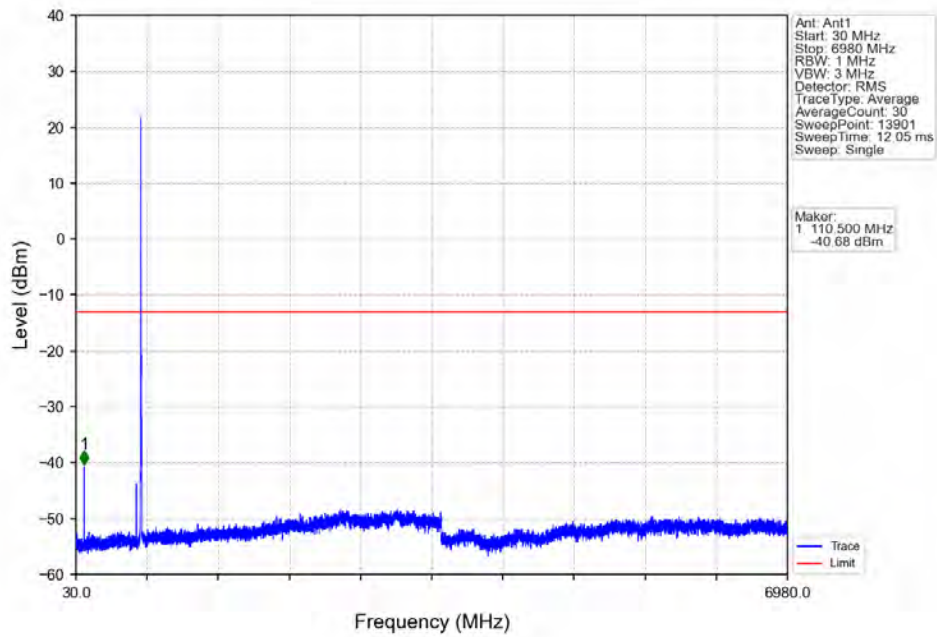
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



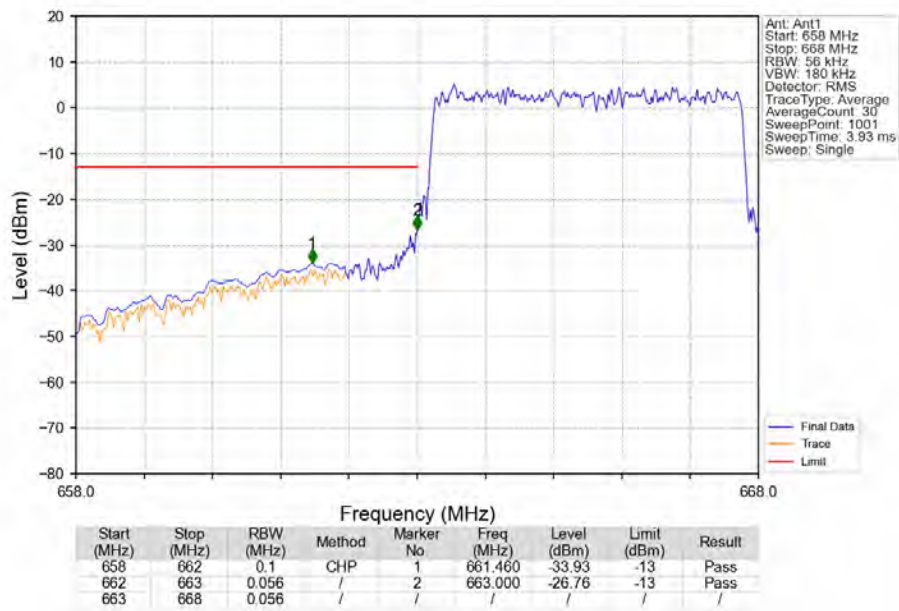
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV



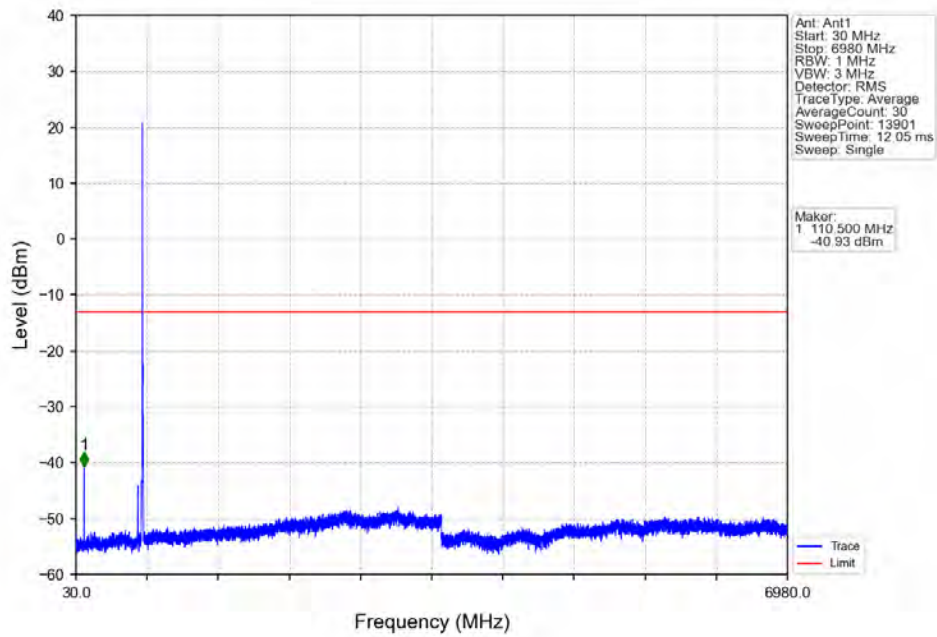
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



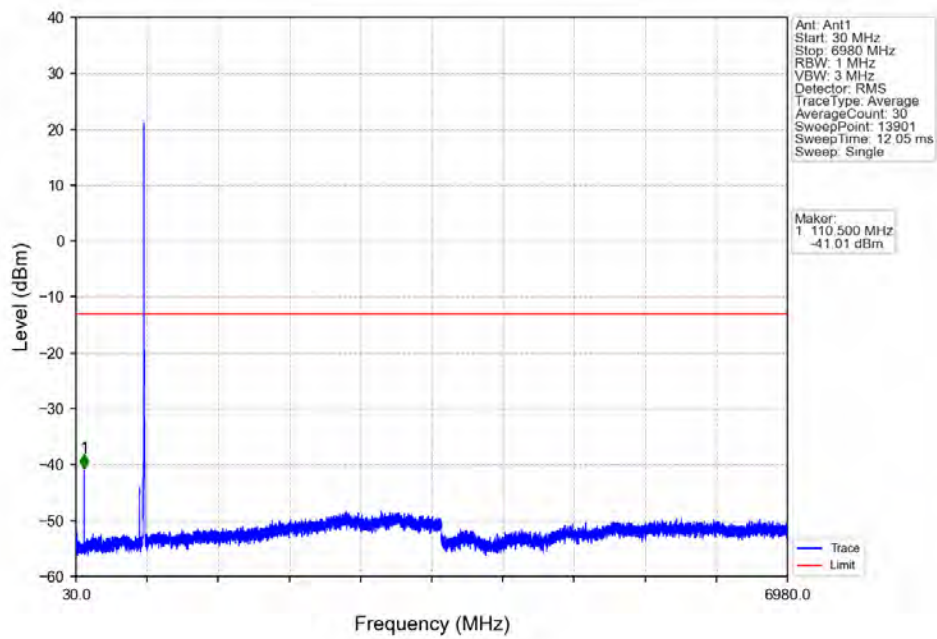
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



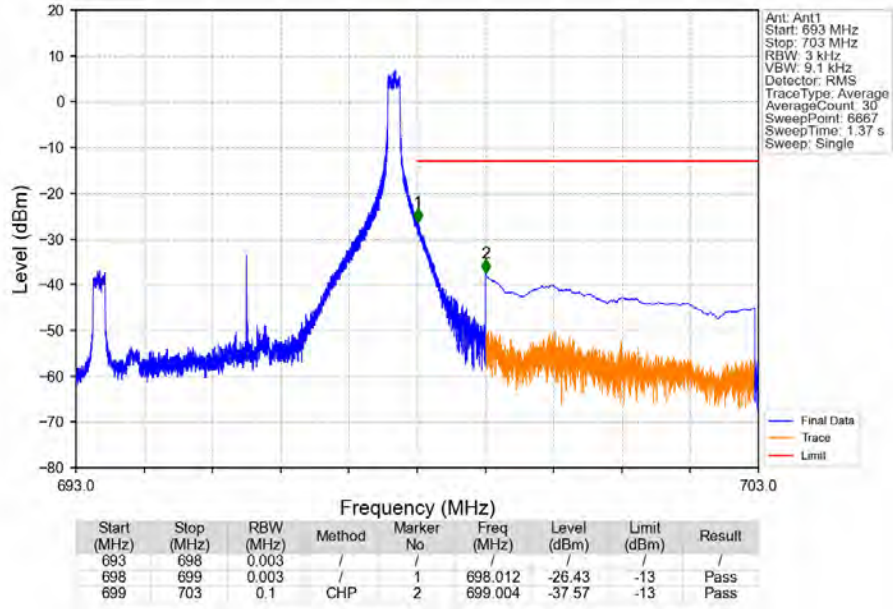
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTV



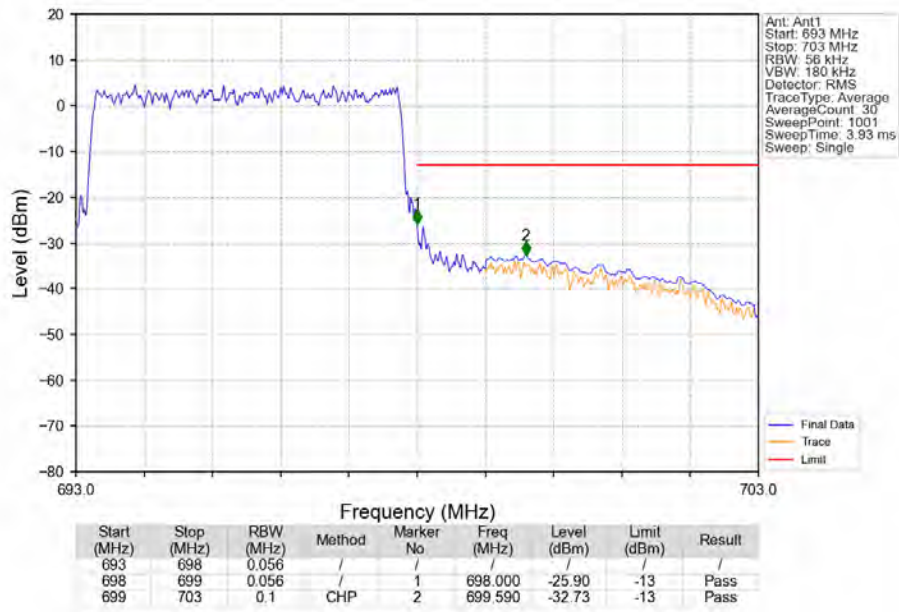
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV



Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTNV



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

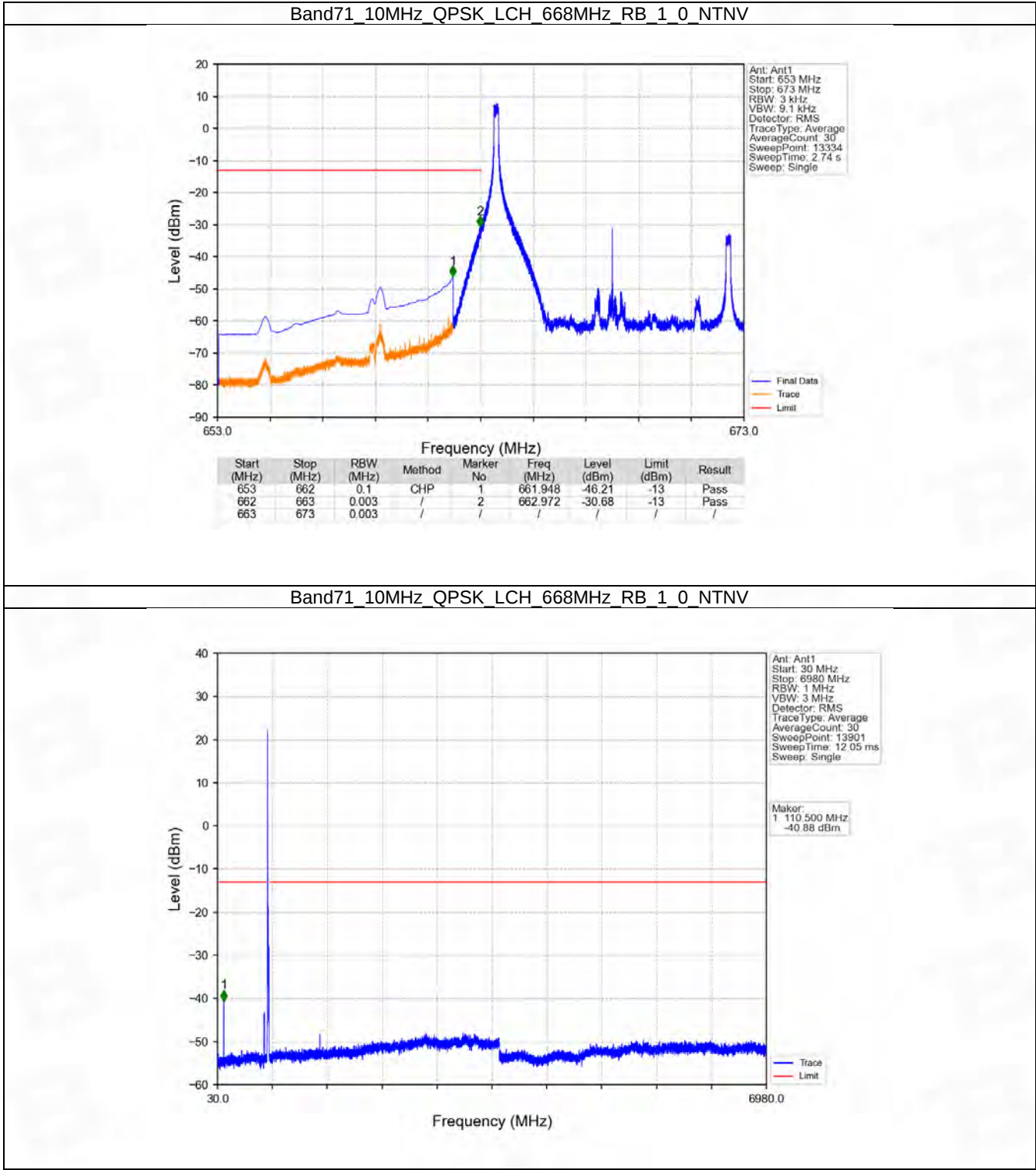


6.2 B71_10MHz

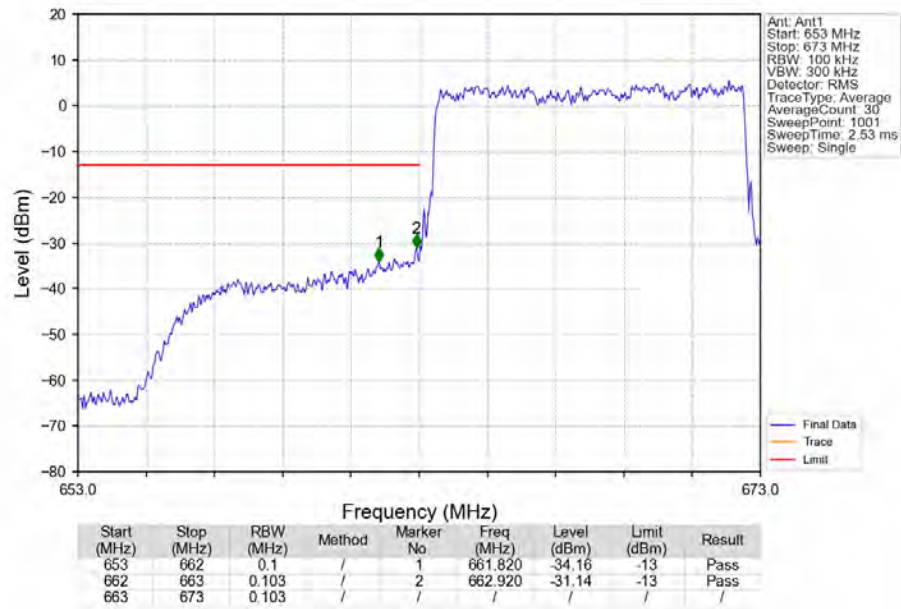
6.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

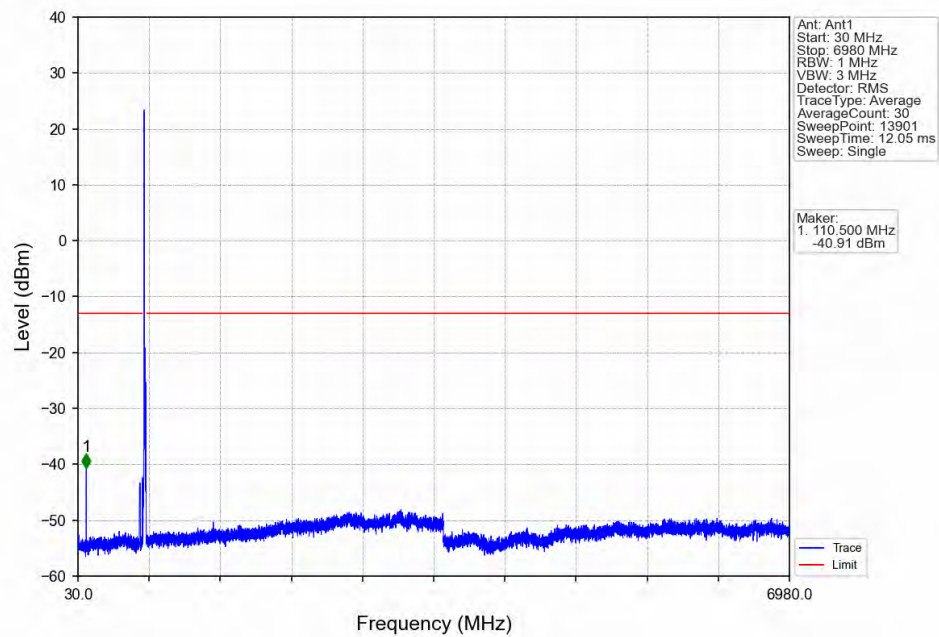
6.2.2 Test Graph



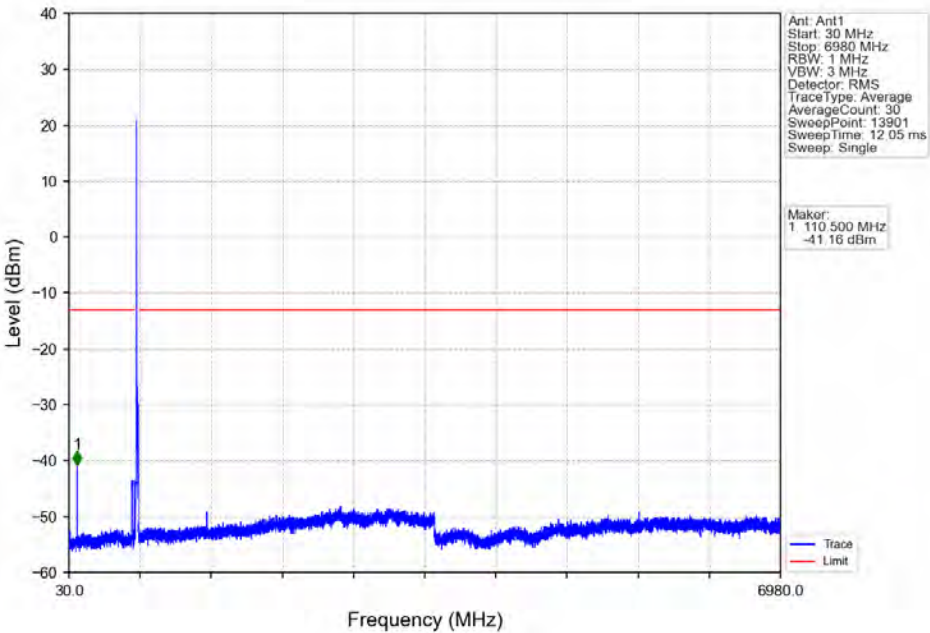
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



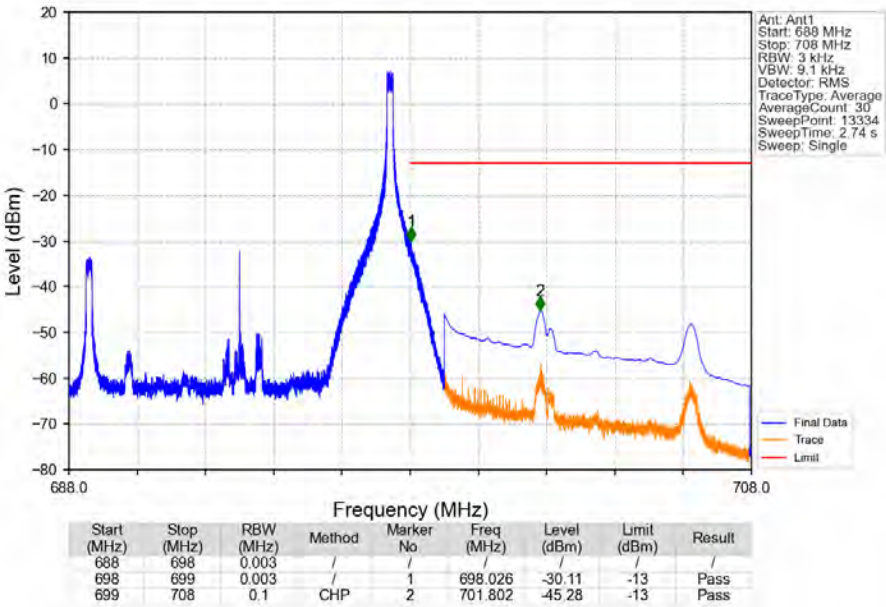
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



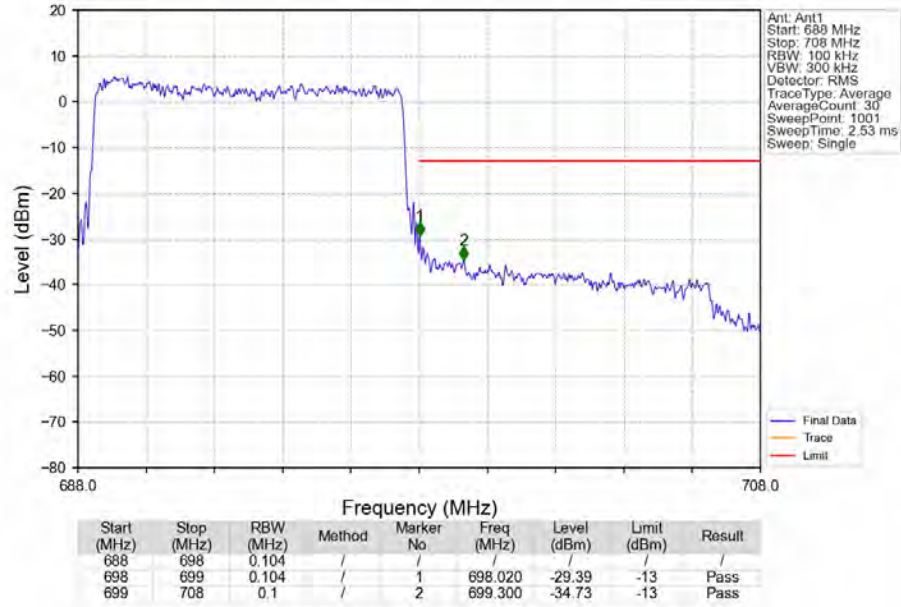
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



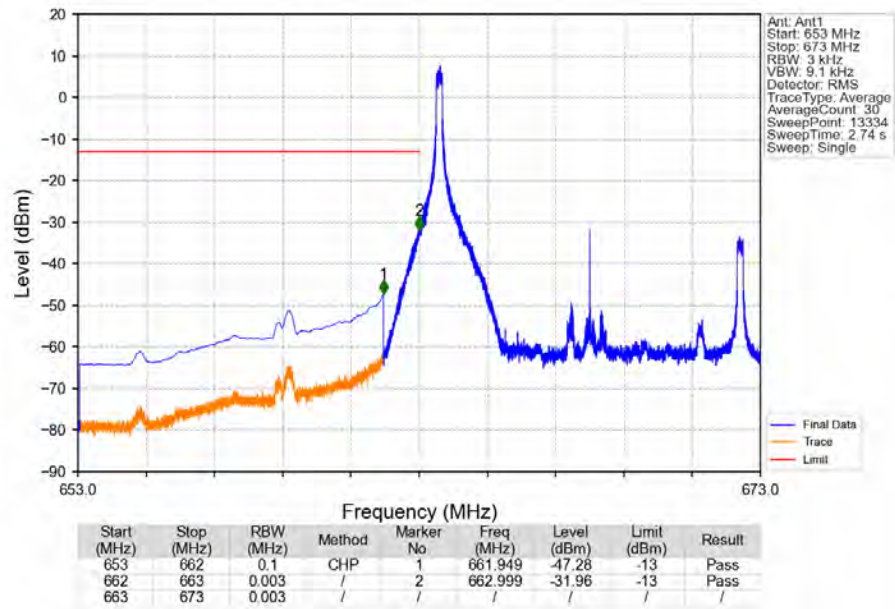
Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



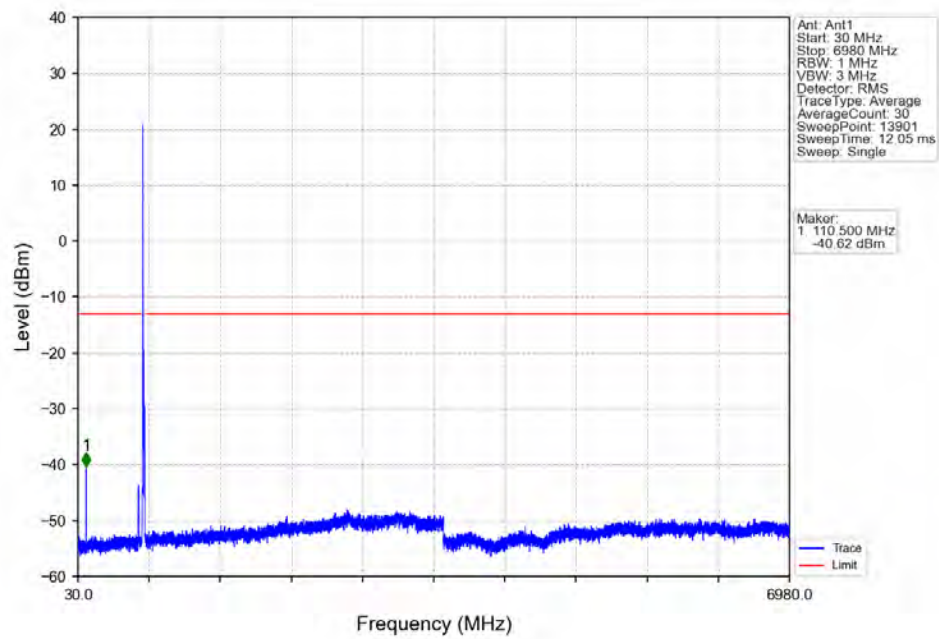
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



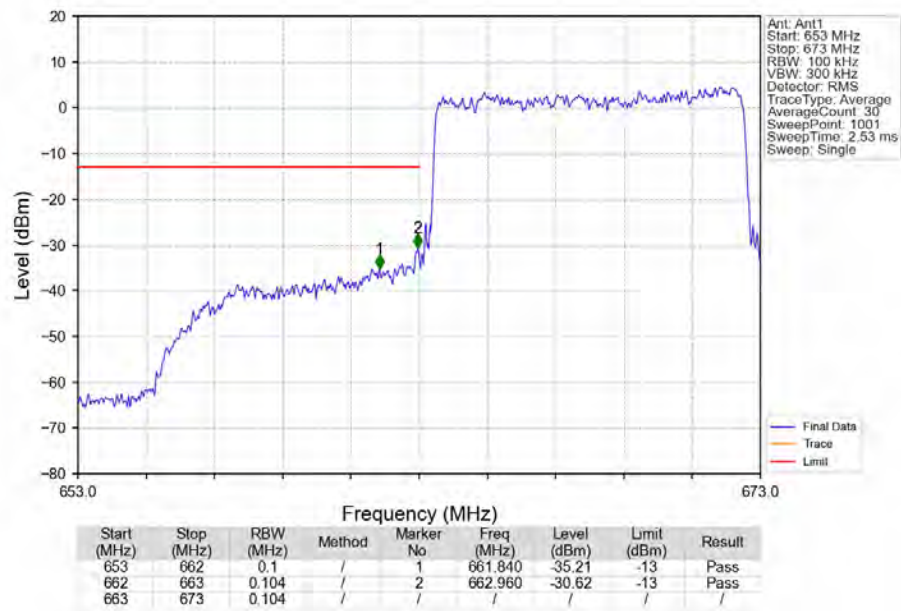
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTN



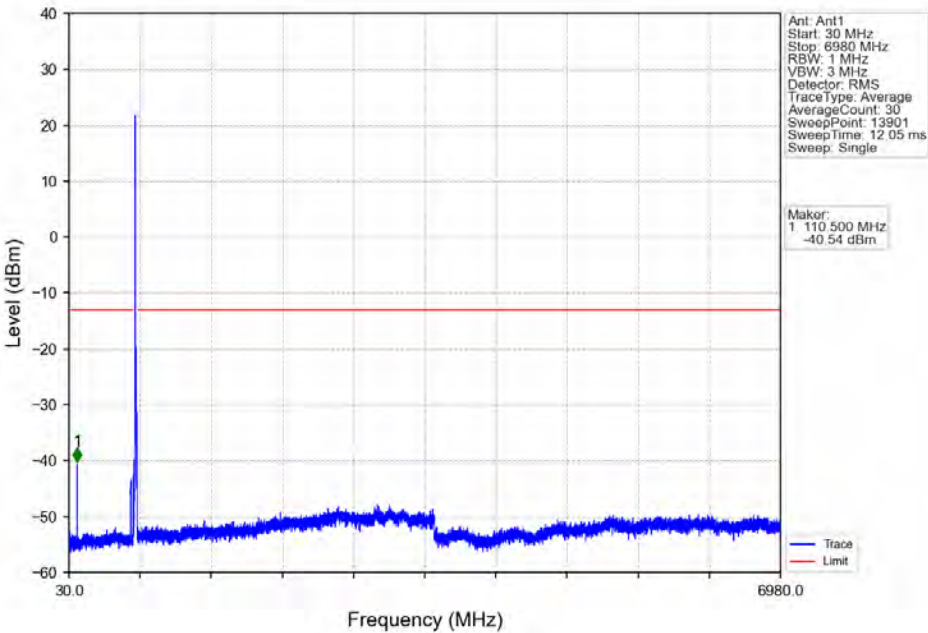
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



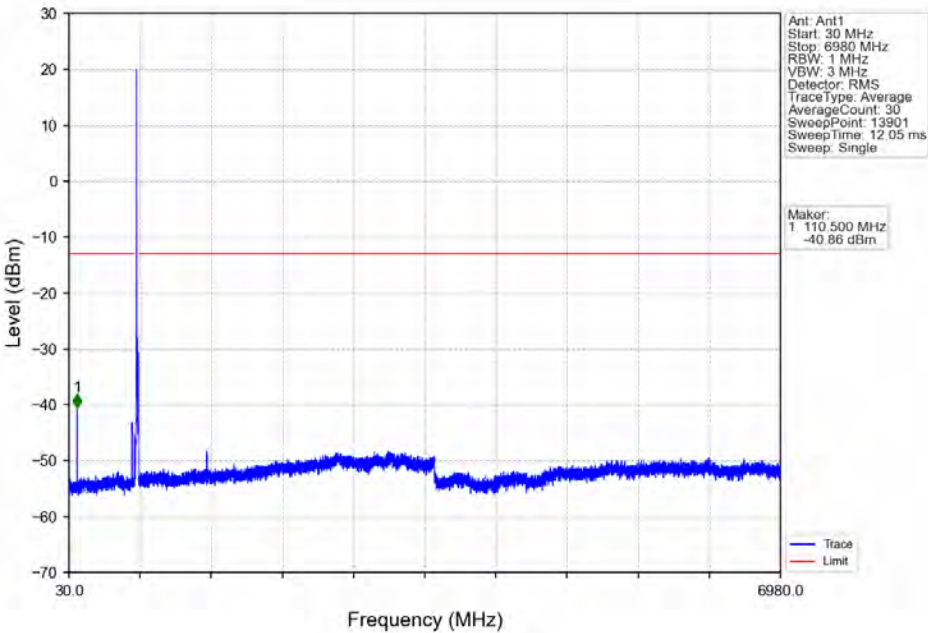
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



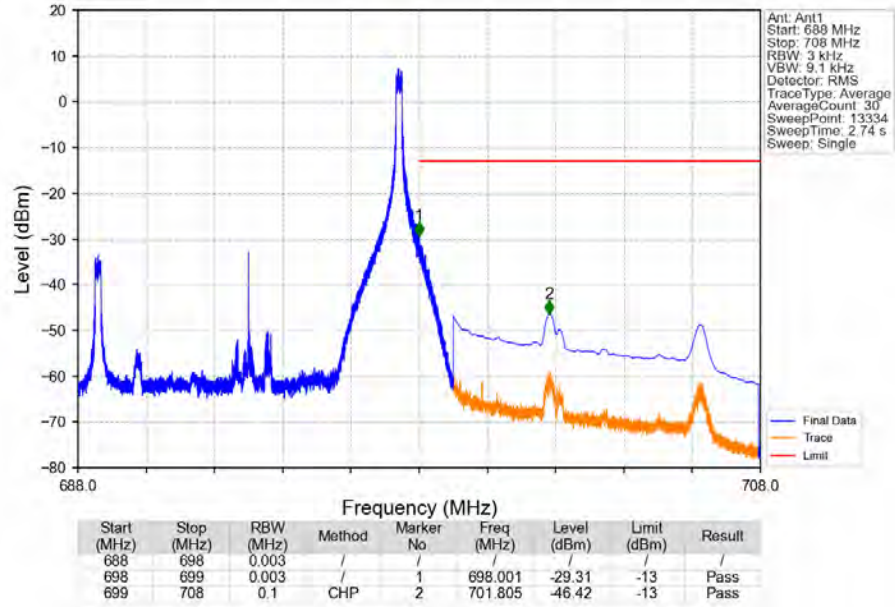
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



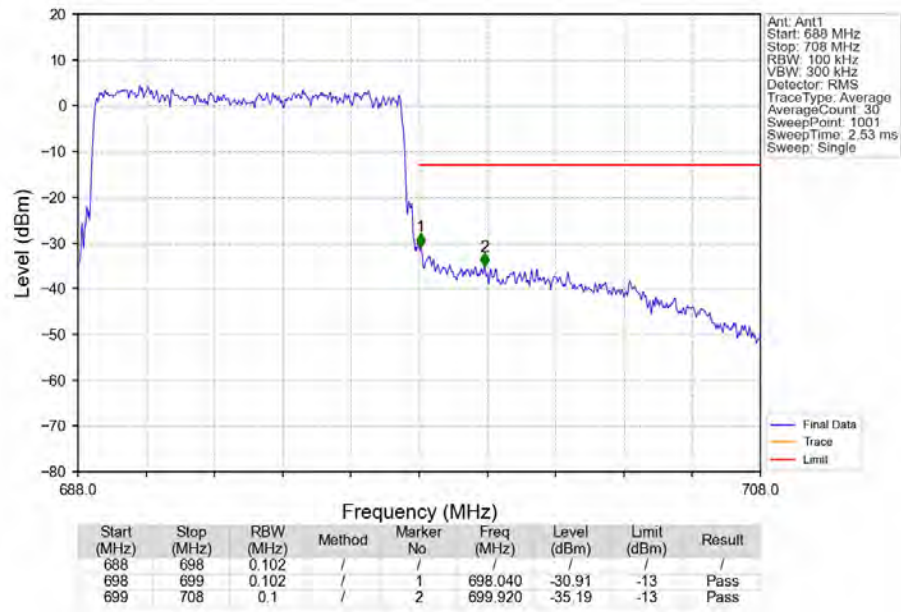
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



Band71 10MHz 16QAM HCH 693MHz RB 1 49 NTNV



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

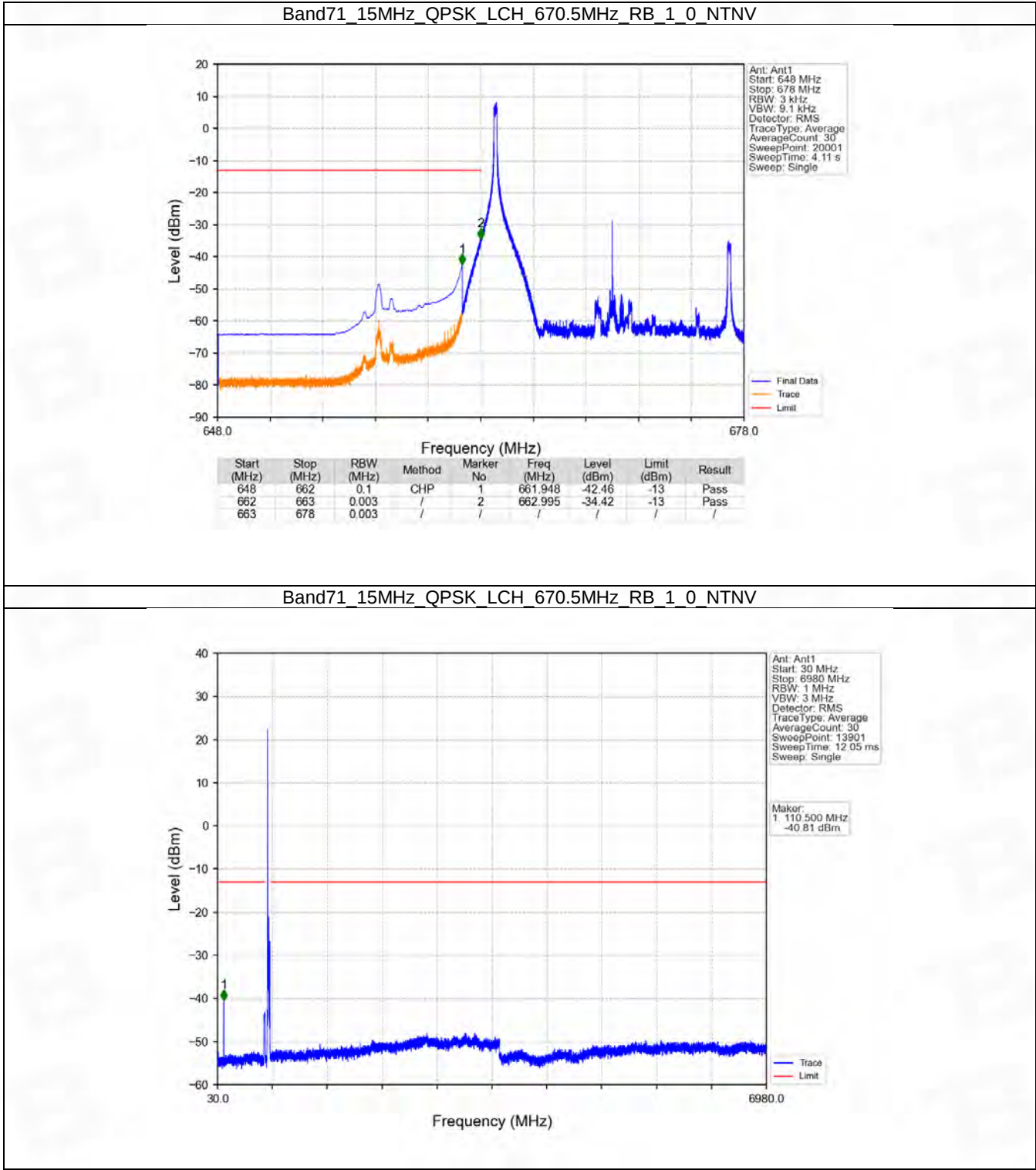


6.3 B71_15MHz

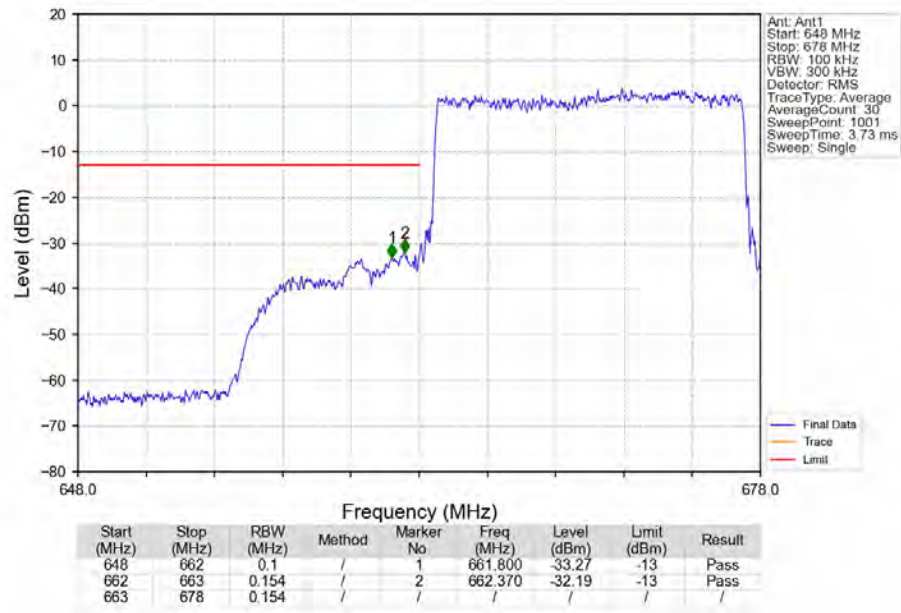
6.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

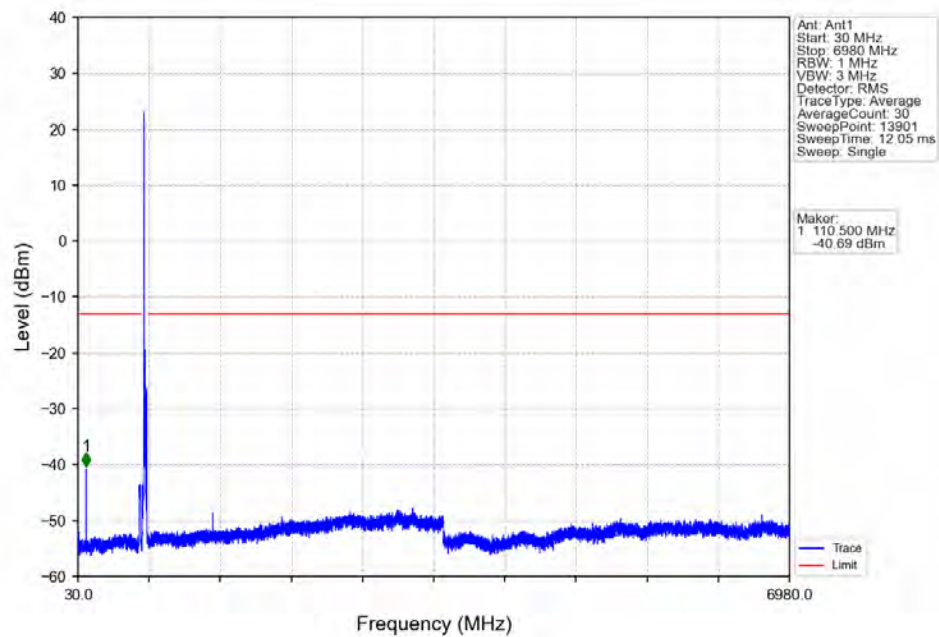
6.3.2 Test Graph



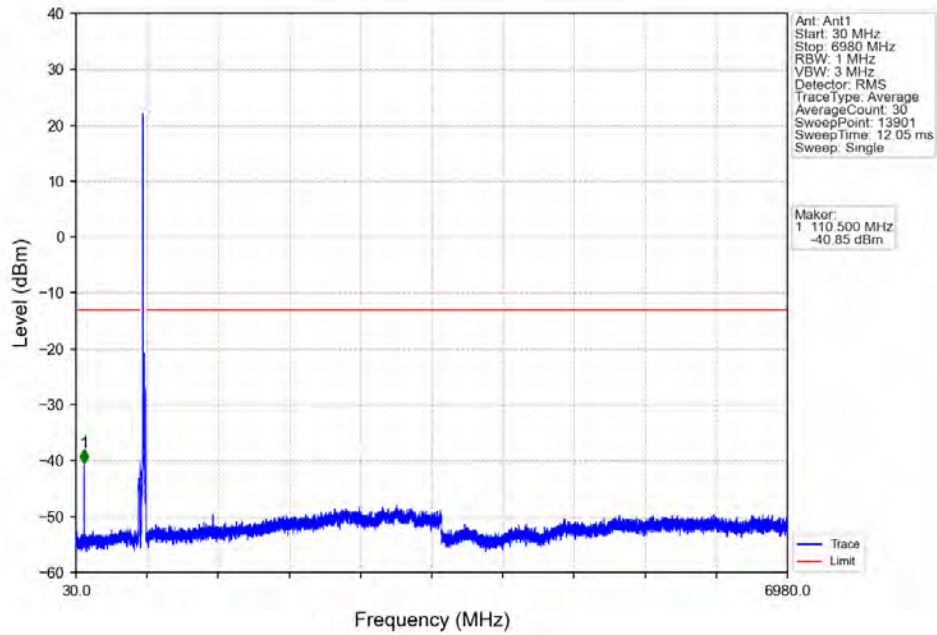
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



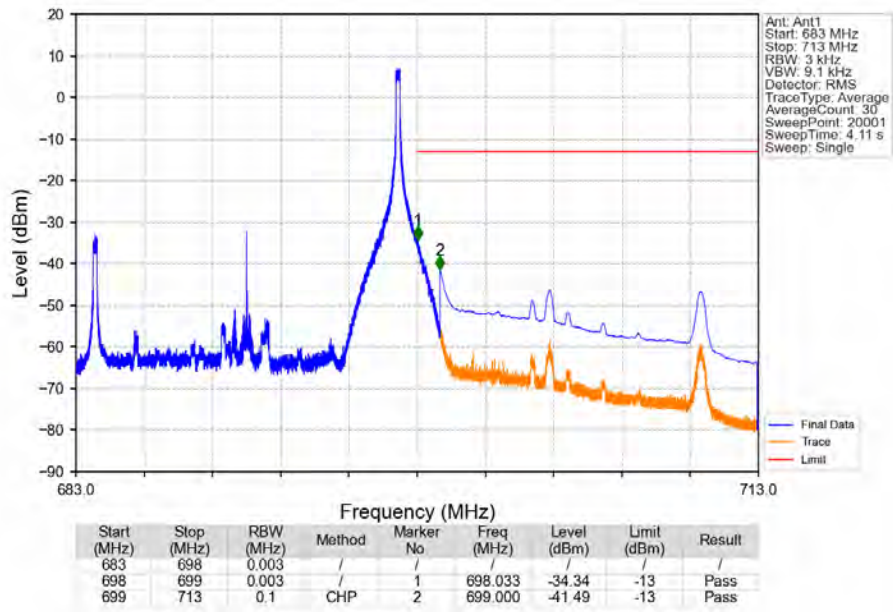
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTV



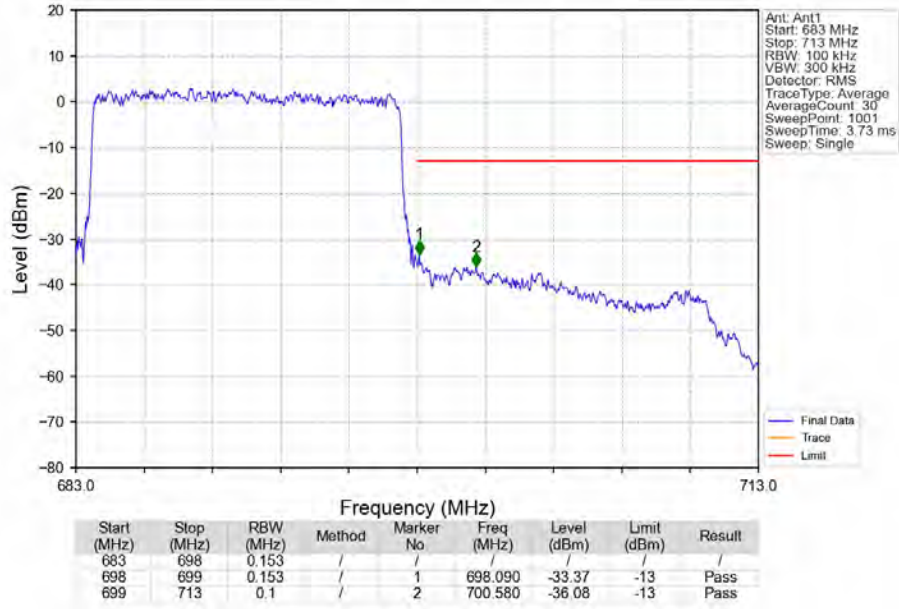
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTV



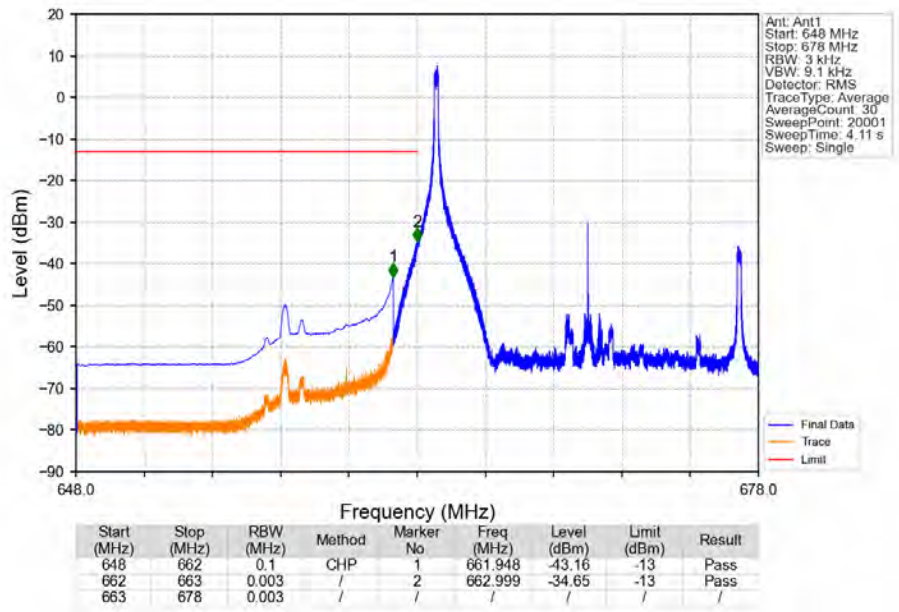
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



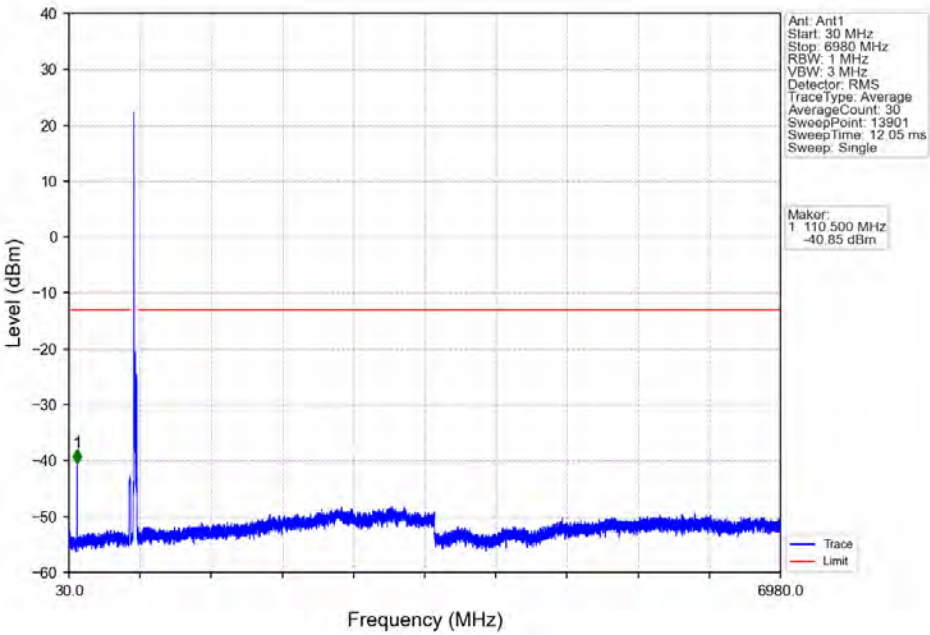
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



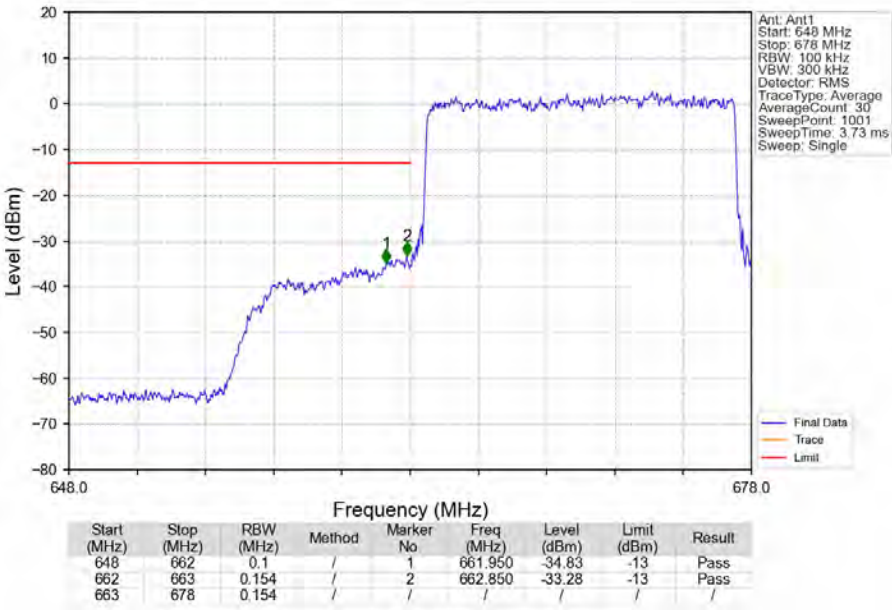
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



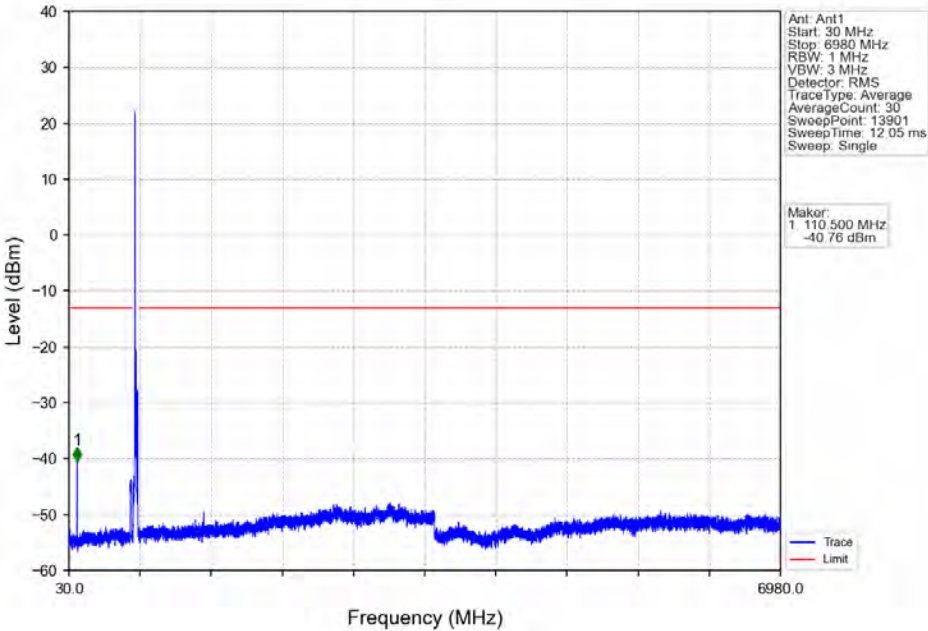
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



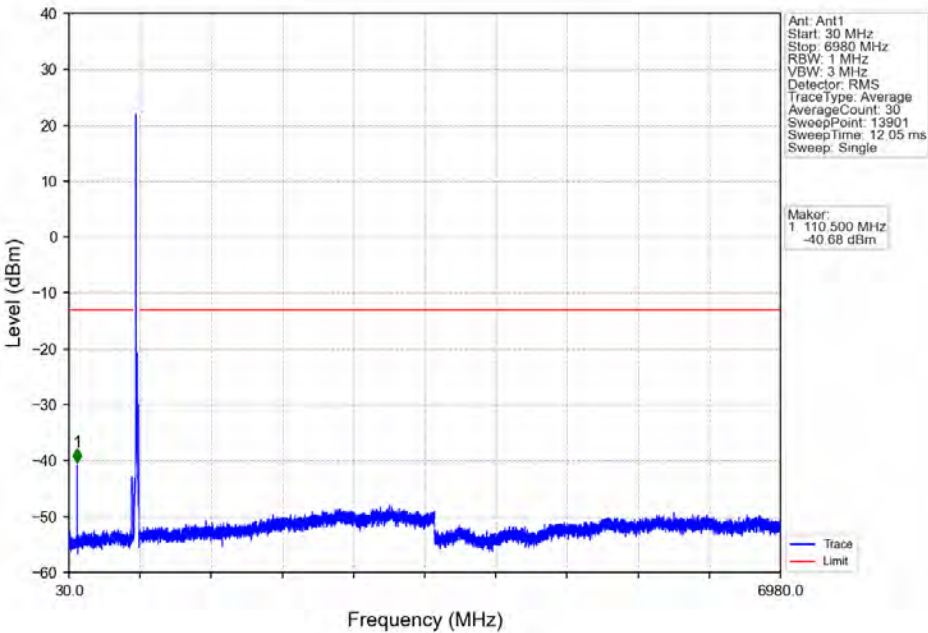
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



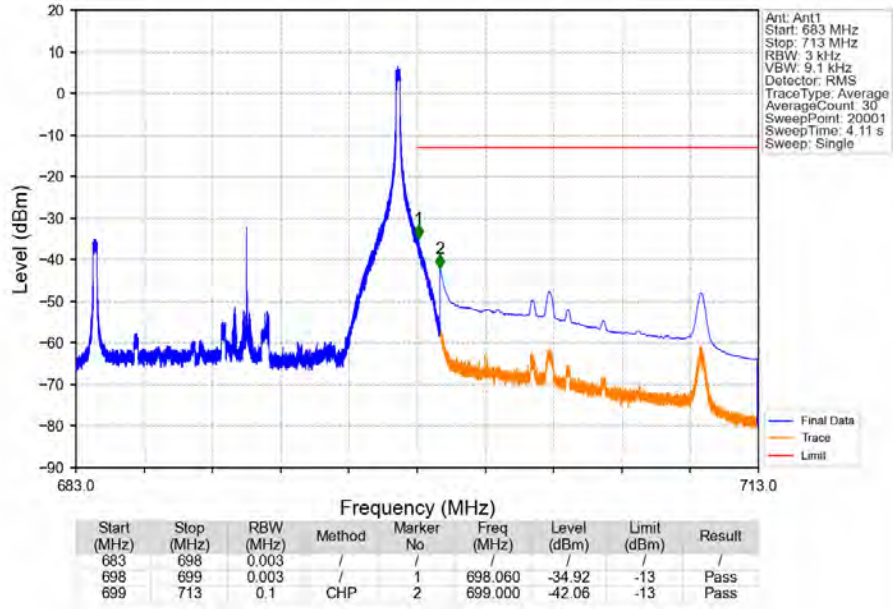
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



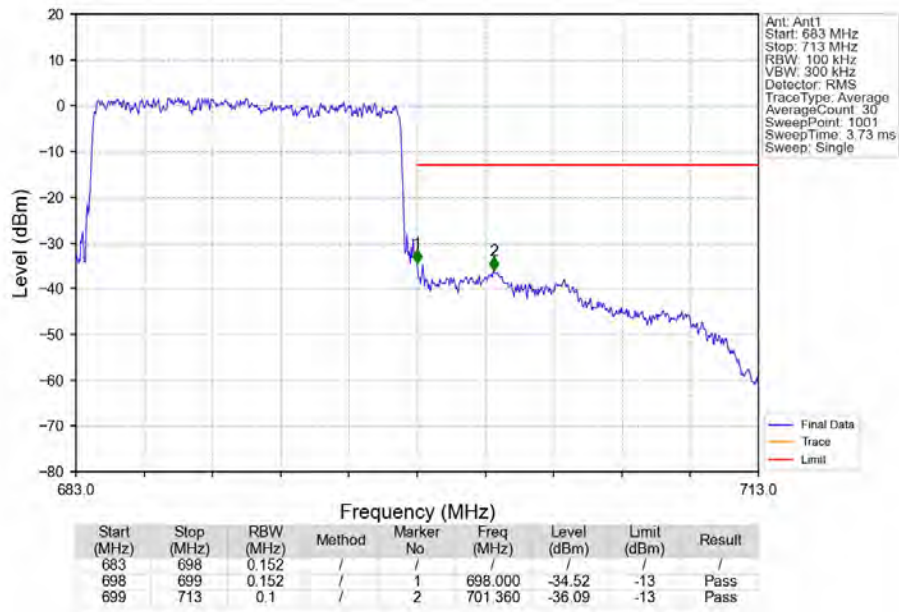
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



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

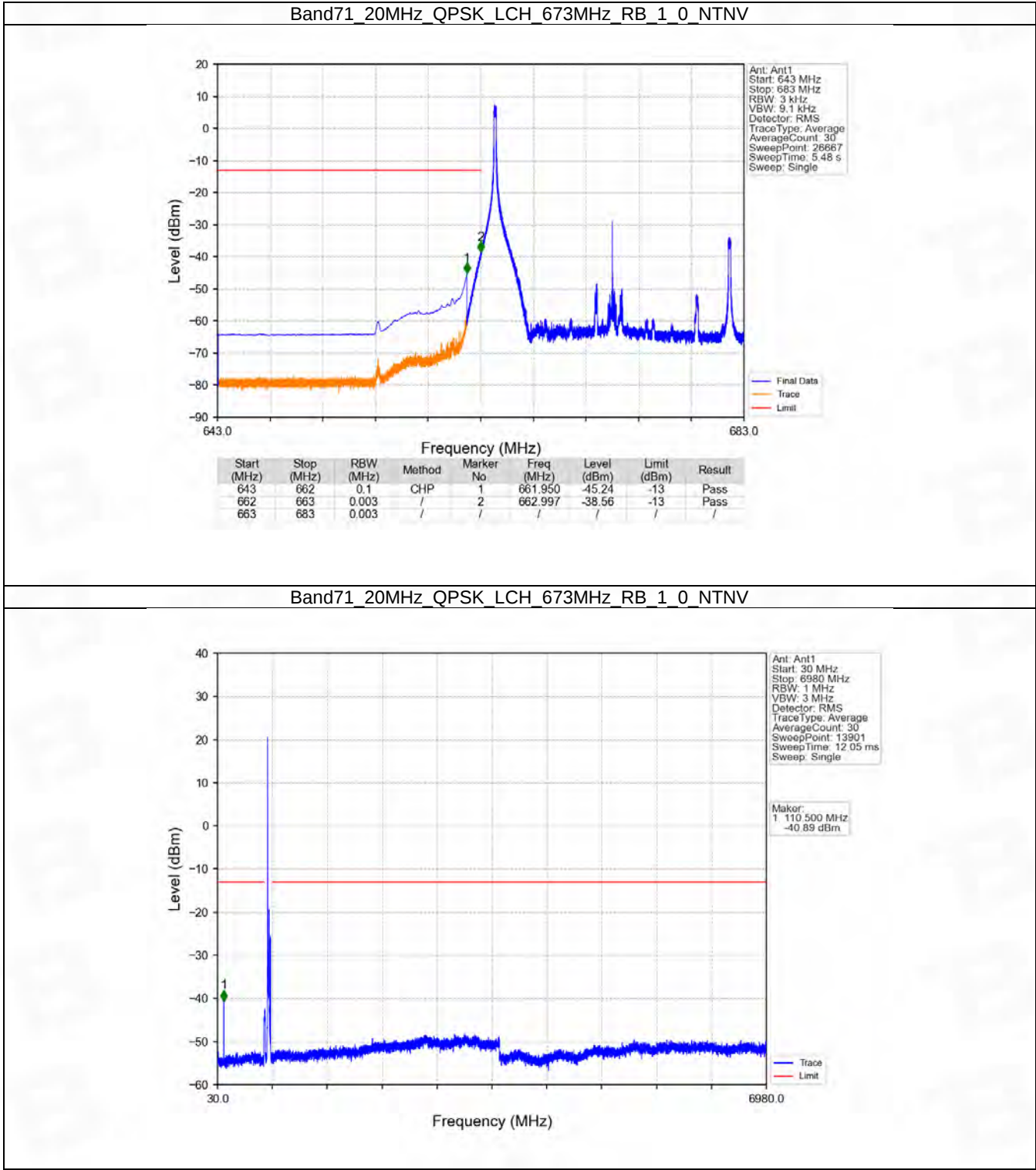


6.4 B71_20MHz

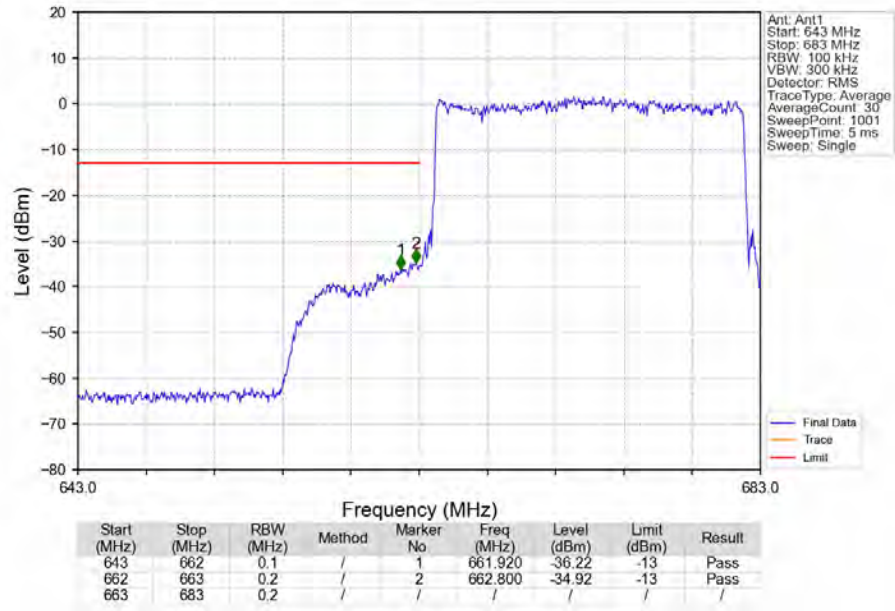
6.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

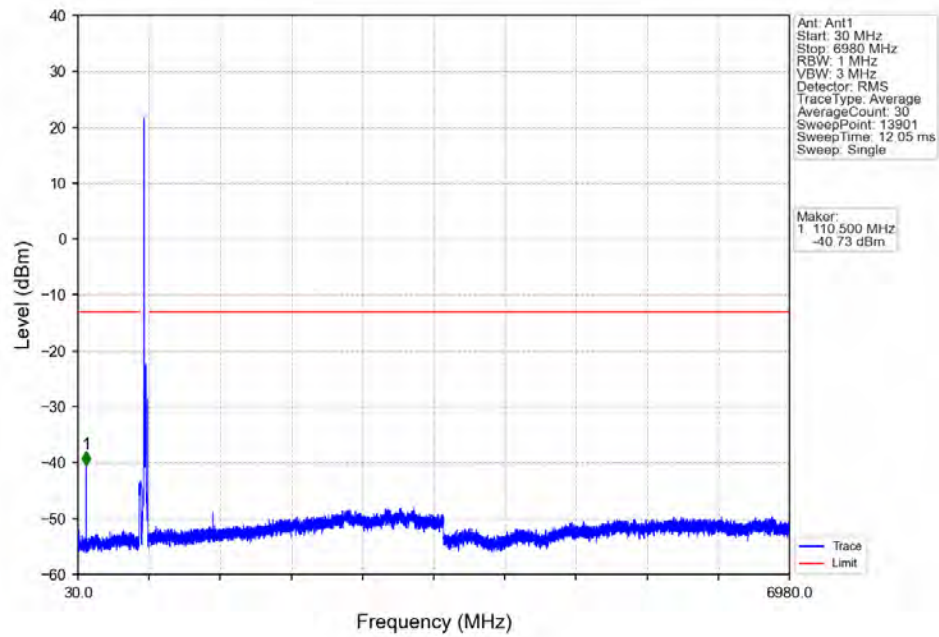
6.4.2 Test Graph



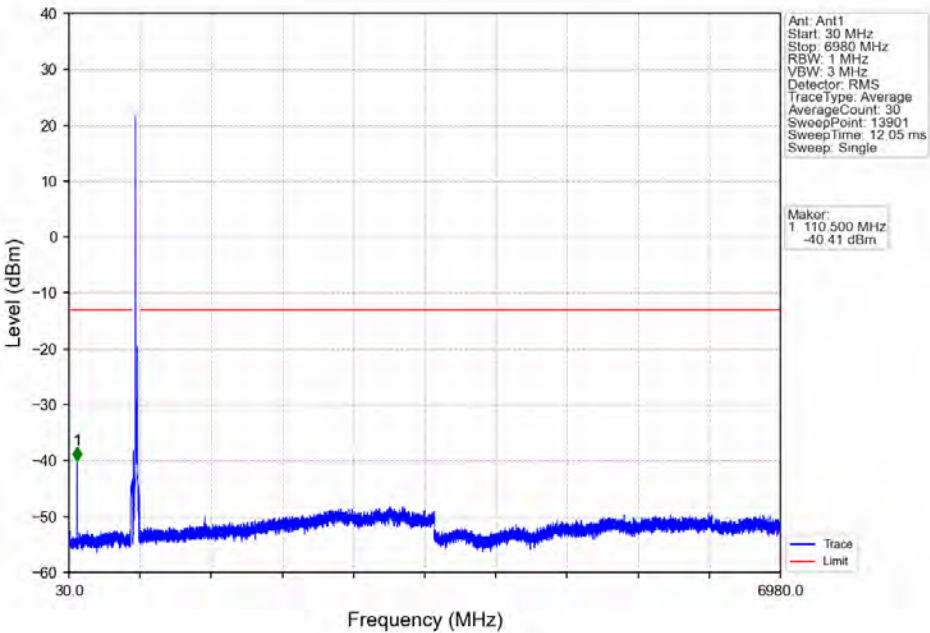
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



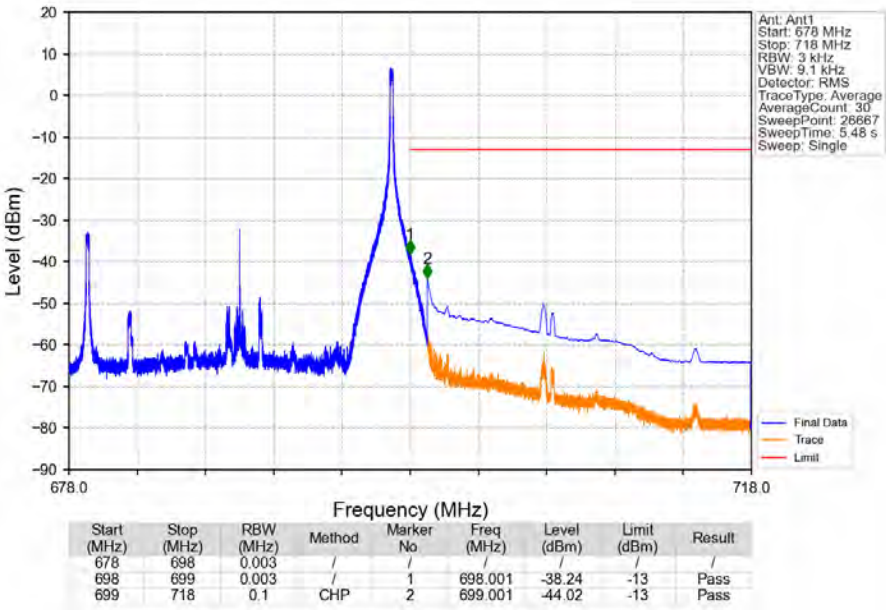
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



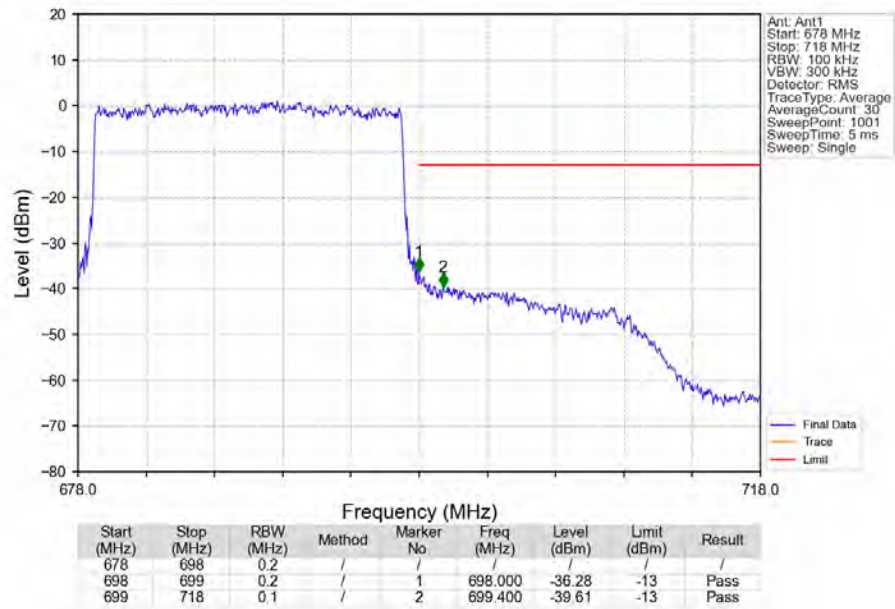
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



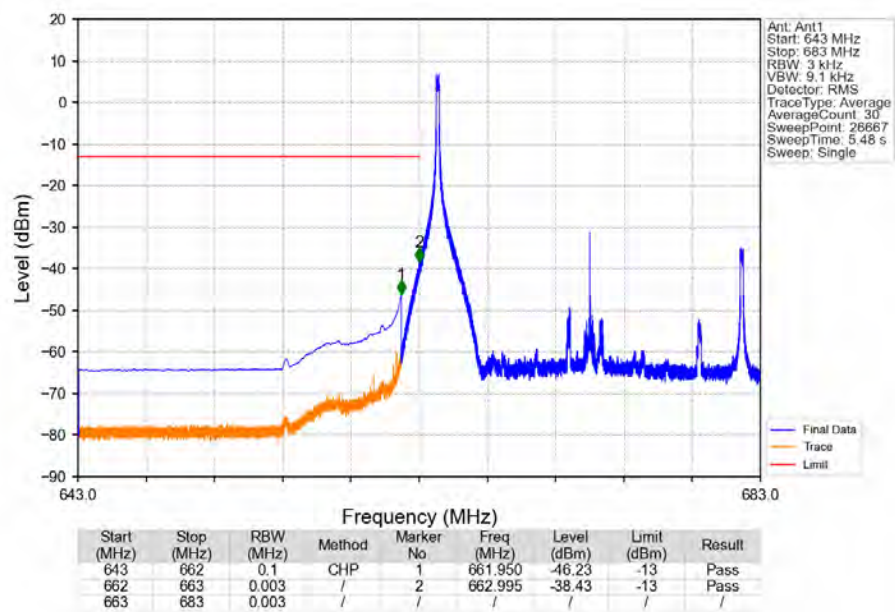
Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



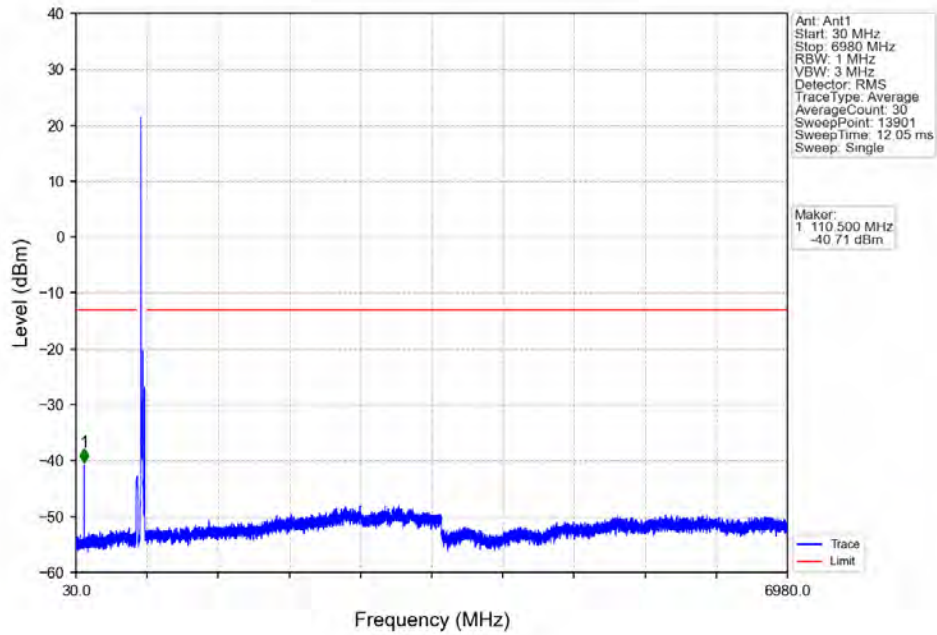
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



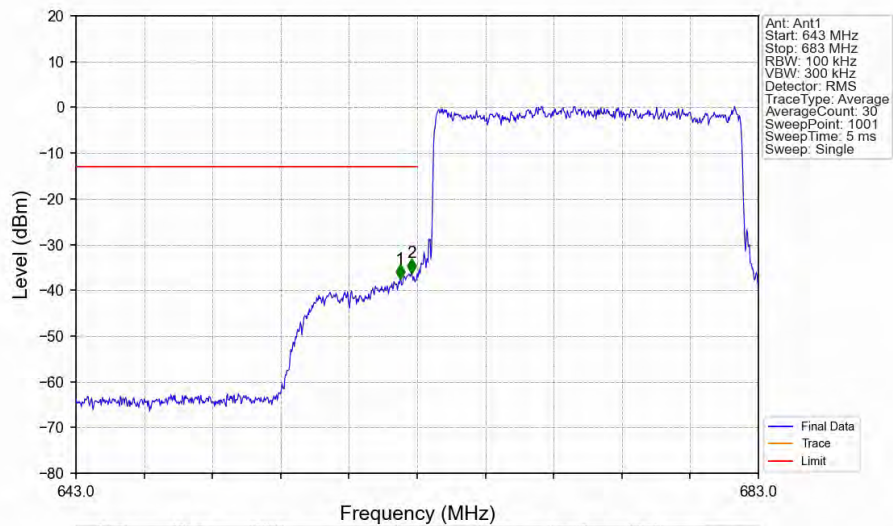
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV

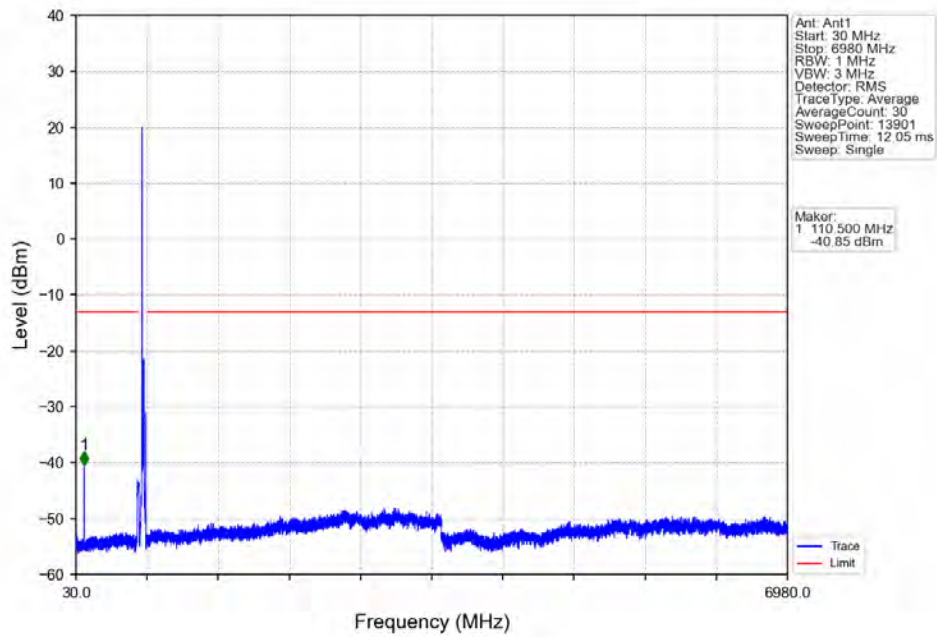


Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV

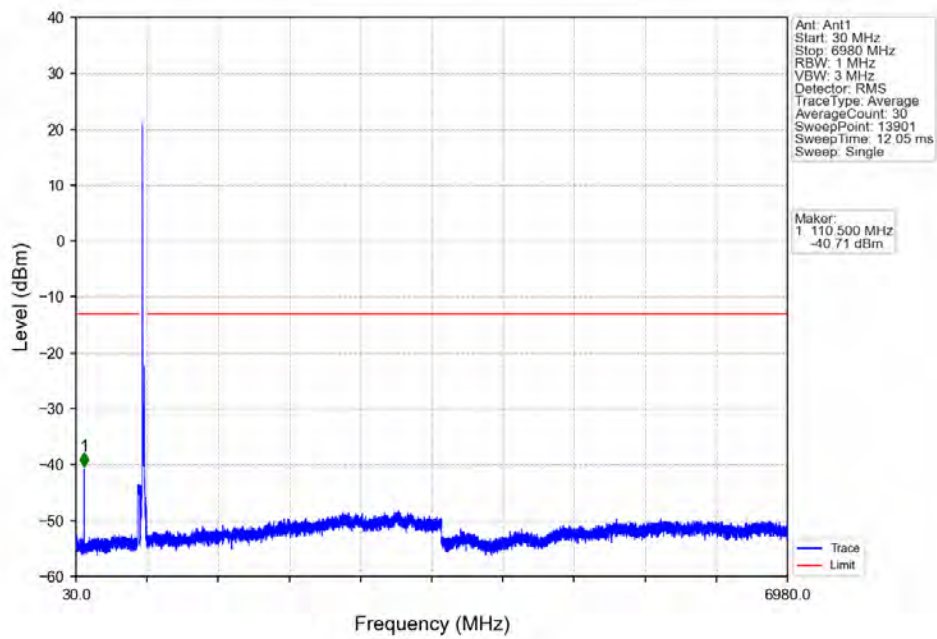


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-37.44	-13	Pass
662	663	0.2	/	2	662.680	-36.19	-13	Pass
663	683	0.2	/	/	/	/	/	/

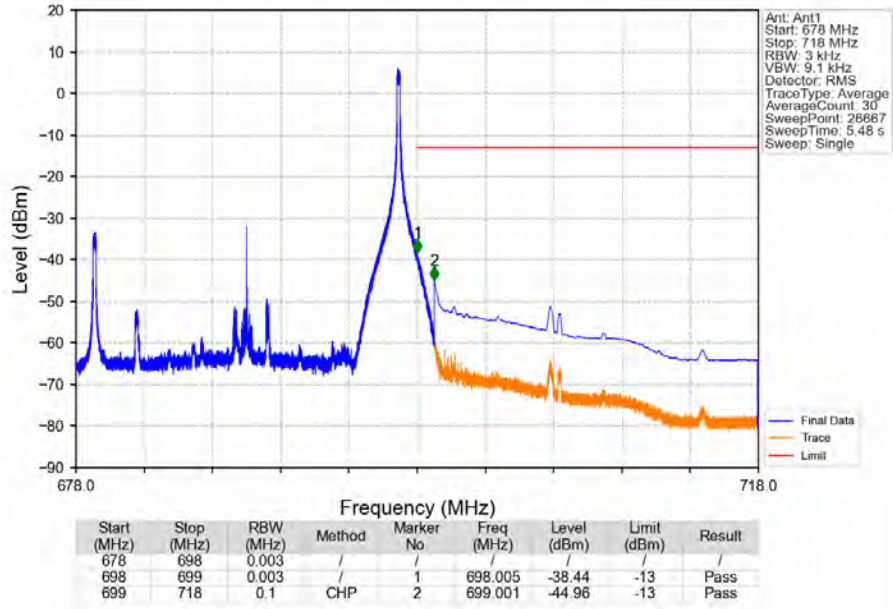
Band71 20MHz 16QAM MCH 683MHz RB 1 0 NTNV



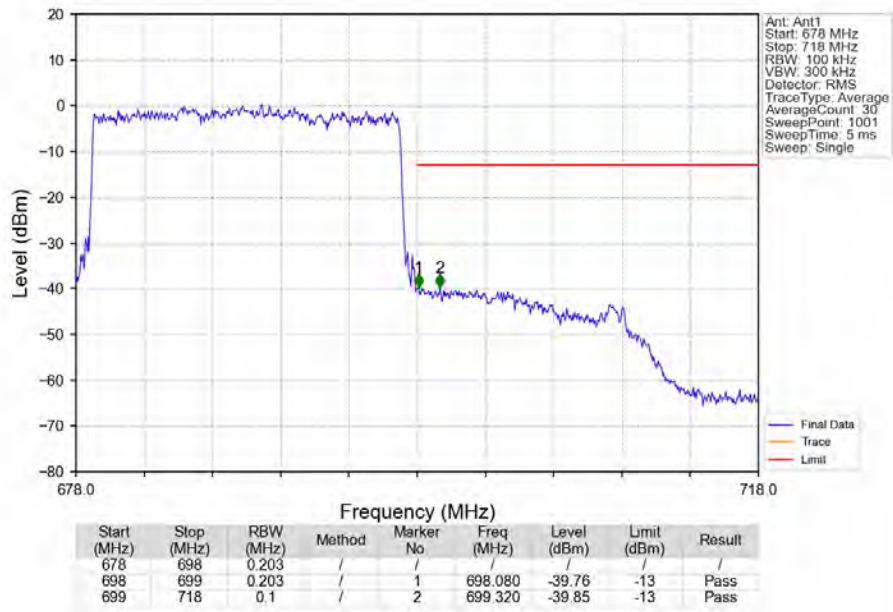
Band71 20MHz 16QAM HCH 688MHz RB 1 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 1 99 NTNV



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



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1570	0.0196	ppm	4M59G7D	27N	21.96
71	5	665.5	695.5	0.1285	0.0176	ppm	4M59W7D	27N	21.09
71	10	668	693	0.1556	0.0152	ppm	9M08G7D	27N	21.92
71	10	668	693	0.1178	0.0176	ppm	9M07W7D	27N	20.71
71	15	670.5	690.5	0.1493	0.0175	ppm	13M6G7D	27N	21.74
71	15	670.5	690.5	0.1109	0.0136	ppm	13M6W7D	27N	20.45
71	20	673	688	0.1445	0.0151	ppm	18M2G7D	27N	21.60
71	20	673	688	0.1172	0.0172	ppm	18M2W7D	27N	20.69

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1064	0.0196	ppm	4M59G7D	27N	20.27
71	5	665.5	695.5	0.0871	0.0176	ppm	4M59W7D	27N	19.40
71	10	668	693	0.1054	0.0152	ppm	9M08G7D	27N	20.23
71	10	668	693	0.0798	0.0176	ppm	9M07W7D	27N	19.02
71	15	670.5	690.5	0.1012	0.0175	ppm	13M6G7D	27N	20.05
71	15	670.5	690.5	0.0752	0.0136	ppm	13M6W7D	27N	18.76
71	20	673	688	0.0979	0.0151	ppm	18M2G7D	27N	19.91
71	20	673	688	0.0794	0.0172	ppm	18M2W7D	27N	19.00