

1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

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	23.59	-3.6	17.84	<=34.77	Pass
			13	23.61	-3.6	17.86	<=34.77	Pass
			24	23.51	-3.6	17.76	<=34.77	Pass
		12	0	22.36	-3.6	16.61	<=34.77	Pass
			6	22.59	-3.6	16.84	<=34.77	Pass
			13	22.54	-3.6	16.79	<=34.77	Pass
		25	0	22.46	-3.6	16.71	<=34.77	Pass
	680.5	1	0	23.46	-3.6	17.71	<=34.77	Pass
			13	23.55	-3.6	17.8	<=34.77	Pass
			24	23.47	-3.6	17.72	<=34.77	Pass
		12	0	22.45	-3.6	16.7	<=34.77	Pass
			6	22.51	-3.6	16.76	<=34.77	Pass
			13	22.46	-3.6	16.71	<=34.77	Pass
		25	0	22.49	-3.6	16.74	<=34.77	Pass
	695.5	1	0	23.52	-3.6	17.77	<=34.77	Pass
			13	23.70	-3.6	17.95	<=34.77	Pass
			24	23.65	-3.6	17.9	<=34.77	Pass
		12	0	22.56	-3.6	16.81	<=34.77	Pass
			6	22.66	-3.6	16.91	<=34.77	Pass
			13	22.66	-3.6	16.91	<=34.77	Pass
		25	0	22.68	-3.6	16.93	<=34.77	Pass
16QAM	665.5	1	0	22.62	-3.6	16.87	<=34.77	Pass
			13	22.66	-3.6	16.91	<=34.77	Pass
			24	22.56	-3.6	16.81	<=34.77	Pass
		12	0	21.30	-3.6	15.55	<=34.77	Pass
			6	21.55	-3.6	15.8	<=34.77	Pass
			13	21.46	-3.6	15.71	<=34.77	Pass
		25	0	21.35	-3.6	15.6	<=34.77	Pass
	680.5	1	0	22.37	-3.6	16.62	<=34.77	Pass
			13	22.46	-3.6	16.71	<=34.77	Pass
			24	22.38	-3.6	16.63	<=34.77	Pass
		12	0	21.45	-3.6	15.7	<=34.77	Pass
			6	21.55	-3.6	15.8	<=34.77	Pass
			13	21.44	-3.6	15.69	<=34.77	Pass
		25	0	21.51	-3.6	15.76	<=34.77	Pass
	695.5	1	0	22.91	-3.6	17.16	<=34.77	Pass
			13	23.04	-3.6	17.29	<=34.77	Pass
			24	23.00	-3.6	17.25	<=34.77	Pass
		12	0	21.54	-3.6	15.79	<=34.77	Pass
			6	21.65	-3.6	15.9	<=34.77	Pass
			13	21.63	-3.6	15.88	<=34.77	Pass
		25	0	21.61	-3.6	15.86	<=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 / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	23.64	-3.6	17.89	<=34.77	Pass
			25	23.74	-3.6	17.99	<=34.77	Pass
			49	23.65	-3.6	17.9	<=34.77	Pass
		25	0	22.52	-3.6	16.77	<=34.77	Pass
			13	22.65	-3.6	16.9	<=34.77	Pass
			25	22.58	-3.6	16.83	<=34.77	Pass
		50	0	22.55	-3.6	16.8	<=34.77	Pass
	680.5	1	0	23.58	-3.6	17.83	<=34.77	Pass
			25	23.71	-3.6	17.96	<=34.77	Pass
			49	23.57	-3.6	17.82	<=34.77	Pass
		25	0	22.49	-3.6	16.74	<=34.77	Pass
			13	22.60	-3.6	16.85	<=34.77	Pass
			25	22.47	-3.6	16.72	<=34.77	Pass
		50	0	22.42	-3.6	16.67	<=34.77	Pass
	693	1	0	23.43	-3.6	17.68	<=34.77	Pass
			25	23.73	-3.6	17.98	<=34.77	Pass
			49	23.70	-3.6	17.95	<=34.77	Pass
		25	0	22.57	-3.6	16.82	<=34.77	Pass
			13	22.67	-3.6	16.92	<=34.77	Pass
			25	22.77	-3.6	17.02	<=34.77	Pass
		50	0	22.62	-3.6	16.87	<=34.77	Pass
16QAM	668	1	0	22.90	-3.6	17.15	<=34.77	Pass
			25	23.05	-3.6	17.3	<=34.77	Pass
			49	22.93	-3.6	17.18	<=34.77	Pass
		25	0	21.49	-3.6	15.74	<=34.77	Pass
			13	21.58	-3.6	15.83	<=34.77	Pass
			25	21.51	-3.6	15.76	<=34.77	Pass
		50	0	21.49	-3.6	15.74	<=34.77	Pass
	680.5	1	0	22.43	-3.6	16.68	<=34.77	Pass
			25	22.55	-3.6	16.8	<=34.77	Pass
			49	22.41	-3.6	16.66	<=34.77	Pass
		25	0	21.50	-3.6	15.75	<=34.77	Pass
			13	21.61	-3.6	15.86	<=34.77	Pass
			25	21.49	-3.6	15.74	<=34.77	Pass
		50	0	21.39	-3.6	15.64	<=34.77	Pass
	693	1	0	22.43	-3.6	16.68	<=34.77	Pass
			25	22.73	-3.6	16.98	<=34.77	Pass
			49	22.64	-3.6	16.89	<=34.77	Pass
		25	0	21.53	-3.6	15.78	<=34.77	Pass
			13	21.65	-3.6	15.9	<=34.77	Pass
			25	21.74	-3.6	15.99	<=34.77	Pass
		50	0	21.62	-3.6	15.87	<=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 / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	23.48	-3.6	17.73	<=34.77	Pass
			38	23.66	-3.6	17.91	<=34.77	Pass
			74	23.47	-3.6	17.72	<=34.77	Pass
		36	0	22.59	-3.6	16.84	<=34.77	Pass
			18	22.63	-3.6	16.88	<=34.77	Pass
			39	22.70	-3.6	16.95	<=34.77	Pass
		75	0	22.69	-3.6	16.94	<=34.77	Pass
	680.5	1	0	23.42	-3.6	17.67	<=34.77	Pass
			38	23.59	-3.6	17.84	<=34.77	Pass
			74	23.43	-3.6	17.68	<=34.77	Pass
		36	0	22.36	-3.6	16.61	<=34.77	Pass
			18	22.52	-3.6	16.77	<=34.77	Pass
			39	22.39	-3.6	16.64	<=34.77	Pass
		75	0	22.39	-3.6	16.64	<=34.77	Pass
	690.5	1	0	23.28	-3.6	17.53	<=34.77	Pass
			38	23.56	-3.6	17.81	<=34.77	Pass
			74	23.57	-3.6	17.82	<=34.77	Pass
		36	0	22.50	-3.6	16.75	<=34.77	Pass
			18	22.56	-3.6	16.81	<=34.77	Pass
			39	22.68	-3.6	16.93	<=34.77	Pass
		75	0	22.67	-3.6	16.92	<=34.77	Pass
16QAM	670.5	1	0	22.33	-3.6	16.58	<=34.77	Pass
			38	22.54	-3.6	16.79	<=34.77	Pass
			74	22.41	-3.6	16.66	<=34.77	Pass
		36	0	21.52	-3.6	15.77	<=34.77	Pass
			18	21.58	-3.6	15.83	<=34.77	Pass
			39	21.67	-3.6	15.92	<=34.77	Pass
		75	0	21.61	-3.6	15.86	<=34.77	Pass
	680.5	1	0	22.29	-3.6	16.54	<=34.77	Pass
			38	22.43	-3.6	16.68	<=34.77	Pass
			74	22.28	-3.6	16.53	<=34.77	Pass
		36	0	21.36	-3.6	15.61	<=34.77	Pass
			18	21.48	-3.6	15.73	<=34.77	Pass
			39	21.36	-3.6	15.61	<=34.77	Pass
		75	0	21.36	-3.6	15.61	<=34.77	Pass
	690.5	1	0	22.28	-3.6	16.53	<=34.77	Pass
			38	22.54	-3.6	16.79	<=34.77	Pass
			74	22.52	-3.6	16.77	<=34.77	Pass
		36	0	21.46	-3.6	15.71	<=34.77	Pass
			18	21.52	-3.6	15.77	<=34.77	Pass
			39	21.67	-3.6	15.92	<=34.77	Pass
		75	0	21.60	-3.6	15.85	<=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 / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	23.26	-3.6	17.51	<=34.77	Pass
			50	23.68	-3.6	17.93	<=34.77	Pass
			99	23.29	-3.6	17.54	<=34.77	Pass
		50	0	22.67	-3.6	16.92	<=34.77	Pass
			25	22.62	-3.6	16.87	<=34.77	Pass
			50	22.81	-3.6	17.06	<=34.77	Pass
		100	0	22.70	-3.6	16.95	<=34.77	Pass
	683	1	0	23.25	-3.6	17.5	<=34.77	Pass
			50	23.56	-3.6	17.81	<=34.77	Pass
			99	23.33	-3.6	17.58	<=34.77	Pass
		50	0	22.32	-3.6	16.57	<=34.77	Pass
			25	22.47	-3.6	16.72	<=34.77	Pass
			50	22.42	-3.6	16.67	<=34.77	Pass
		100	0	22.35	-3.6	16.6	<=34.77	Pass
	688	1	0	23.20	-3.6	17.45	<=34.77	Pass
			50	23.61	-3.6	17.86	<=34.77	Pass
			99	23.48	-3.6	17.73	<=34.77	Pass
		50	0	22.66	-3.6	16.91	<=34.77	Pass
			25	22.50	-3.6	16.75	<=34.77	Pass
			50	22.72	-3.6	16.97	<=34.77	Pass
		100	0	22.67	-3.6	16.92	<=34.77	Pass
16QAM	673	1	0	22.59	-3.6	16.84	<=34.77	Pass
			50	23.06	-3.6	17.31	<=34.77	Pass
			99	22.65	-3.6	16.9	<=34.77	Pass
		50	0	21.64	-3.6	15.89	<=34.77	Pass
			25	21.55	-3.6	15.8	<=34.77	Pass
			50	21.74	-3.6	15.99	<=34.77	Pass
		100	0	21.68	-3.6	15.93	<=34.77	Pass
	683	1	0	22.23	-3.6	16.48	<=34.77	Pass
			50	22.59	-3.6	16.84	<=34.77	Pass
			99	22.33	-3.6	16.58	<=34.77	Pass
		50	0	21.29	-3.6	15.54	<=34.77	Pass
			25	21.42	-3.6	15.67	<=34.77	Pass
			50	21.38	-3.6	15.63	<=34.77	Pass
		100	0	21.34	-3.6	15.59	<=34.77	Pass
	688	1	0	21.99	-3.6	16.24	<=34.77	Pass
			50	22.43	-3.6	16.68	<=34.77	Pass
			99	22.24	-3.6	16.49	<=34.77	Pass
		50	0	21.57	-3.6	15.82	<=34.77	Pass
			25	21.48	-3.6	15.73	<=34.77	Pass
			50	21.70	-3.6	15.95	<=34.77	Pass
		100	0	21.66	-3.6	15.91	<=34.77	Pass
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	-2.289	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-8.097	-0.0122	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-5.736	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-5.322	-0.0080	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-7.210	-0.0106	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0114	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-8.111	-0.0119	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-7.052	-0.0101	-2.5 to 2.5	Pass
					3.85	-7.596	-0.0109	-2.5 to 2.5	Pass
					4.43	-7.882	-0.0113	-2.5 to 2.5	Pass
				-30	3.85	-2.561	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-10.042	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-5.922	-0.0085	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-4.420	-0.0066	-2.5 to 2.5	Pass
					3.85	-7.167	-0.0108	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-10.071	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-9.127	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-7.467	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-8.268	-0.0121	-2.5 to 2.5	Pass
					3.85	-7.739	-0.0114	-2.5 to 2.5	Pass

					4.43	-8.311	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-8.168	-0.0120	-2.5 to 2.5	Pass
				-20	3.85	-7.982	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-9.956	-0.0146	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-6.080	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-8.698	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0062	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-6.094	-0.0088	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-10.858	-0.0156	-2.5 to 2.5	Pass
				-20	3.85	-13.332	-0.0192	-2.5 to 2.5	Pass
				-10	3.85	-14.148	-0.0203	-2.5 to 2.5	Pass
				0	3.85	-5.980	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-6.380	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-6.695	-0.0096	-2.5 to 2.5	Pass
				40	3.85	-10.672	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-8.125	-0.0117	-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	-5.322	-0.0080	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0061	-2.5 to 2.5	Pass
					4.43	-0.958	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-7.396	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-8.640	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-4.964	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0081	-2.5 to 2.5	Pass
				50	3.85	-2.775	-0.0042	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-6.909	-0.0102	-2.5 to 2.5	Pass
					3.85	-7.796	-0.0115	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-5.608	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-6.824	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-6.638	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.189	-0.0032	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-8.926	-0.0129	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0077	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0145	-2.5 to 2.5	Pass

				-10	3.85	-4.120	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-2.747	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0143	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-4.964	-0.0072	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-5.293	-0.0079	-2.5 to 2.5	Pass
					3.85	-9.327	-0.0140	-2.5 to 2.5	Pass
					4.43	-4.692	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-3.548	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-7.124	-0.0107	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	1.073	0.0016	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0083	-2.5 to 2.5	Pass
					4.43	-3.133	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.116	0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.631	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.259	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-3.047	-0.0045	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-6.237	-0.0090	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0142	-2.5 to 2.5	Pass
					4.43	-10.228	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-9.341	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-11.530	-0.0166	-2.5 to 2.5	Pass
				-10	3.85	-10.343	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-8.097	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-8.311	-0.0120	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-9.084	-0.0131	-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	-5.379	-0.0080	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0042	-2.5 to 2.5	Pass
					4.43	-6.852	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.478	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-7.854	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-2.675	-0.0040	-2.5 to 2.5	Pass

	680.5	75	0	30	3.85	-3.004	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-2.875	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-5.794	-0.0086	-2.5 to 2.5	Pass
				20	3.27	-4.120	-0.0061	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0059	-2.5 to 2.5	Pass
					4.43	-3.819	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-3.076	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-7.081	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-9.227	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-4.864	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-9.227	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-9.027	-0.0133	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-5.708	-0.0083	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0062	-2.5 to 2.5	Pass
					4.43	-2.031	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-2.646	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-7.524	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-5.665	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-6.337	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-5.422	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-11.215	-0.0162	-2.5 to 2.5	Pass
				50	3.85	-6.409	-0.0093	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-5.779	-0.0086	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0065	-2.5 to 2.5	Pass
					4.43	-9.170	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.281	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-4.649	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-7.353	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-5.536	-0.0083	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-3.877	-0.0057	-2.5 to 2.5	Pass
					3.85	-7.782	-0.0114	-2.5 to 2.5	Pass
					4.43	-7.195	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-7.524	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-8.240	-0.0121	-2.5 to 2.5	Pass
				50	3.85	-7.782	-0.0114	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-7.067	-0.0102	-2.5 to 2.5	Pass
					3.85	-5.836	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-6.151	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-6.595	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-8.197	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-4.892	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-4.449	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0102	-2.5 to 2.5	Pass

				50	3.85	-5.751	-0.0083	-2.5 to 2.5	Pass
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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	-6.680	-0.0099	-2.5 to 2.5	Pass
					3.85	-8.683	-0.0129	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-6.480	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0103	-2.5 to 2.5	Pass
				30	3.85	-7.281	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-8.612	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-4.907	-0.0072	-2.5 to 2.5	Pass
					3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
					4.43	-8.869	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-5.465	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-6.752	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-2.060	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-7.653	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-3.119	-0.0046	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-7.424	-0.0108	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0050	-2.5 to 2.5	Pass
					4.43	-5.522	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-8.554	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-3.462	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.666	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-6.051	-0.0088	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-7.253	-0.0108	-2.5 to 2.5	Pass
					3.85	-6.895	-0.0102	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0133	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-7.596	-0.0113	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-10.400	-0.0155	-2.5 to 2.5	Pass
				40	3.85	-8.311	-0.0123	-2.5 to 2.5	Pass
				50	3.85	-6.523	-0.0097	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-7.153	-0.0105	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0126	-2.5 to 2.5	Pass

					4.43	-2.618	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-8.883	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-9.913	-0.0145	-2.5 to 2.5	Pass
				0	3.85	-2.246	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-6.280	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-9.599	-0.0141	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-7.954	-0.0116	-2.5 to 2.5	Pass
					3.85	-9.842	-0.0143	-2.5 to 2.5	Pass
					4.43	-9.470	-0.0138	-2.5 to 2.5	Pass
				-30	3.85	-8.440	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.317	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-2.618	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-4.849	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-4.978	-0.0072	-2.5 to 2.5	Pass

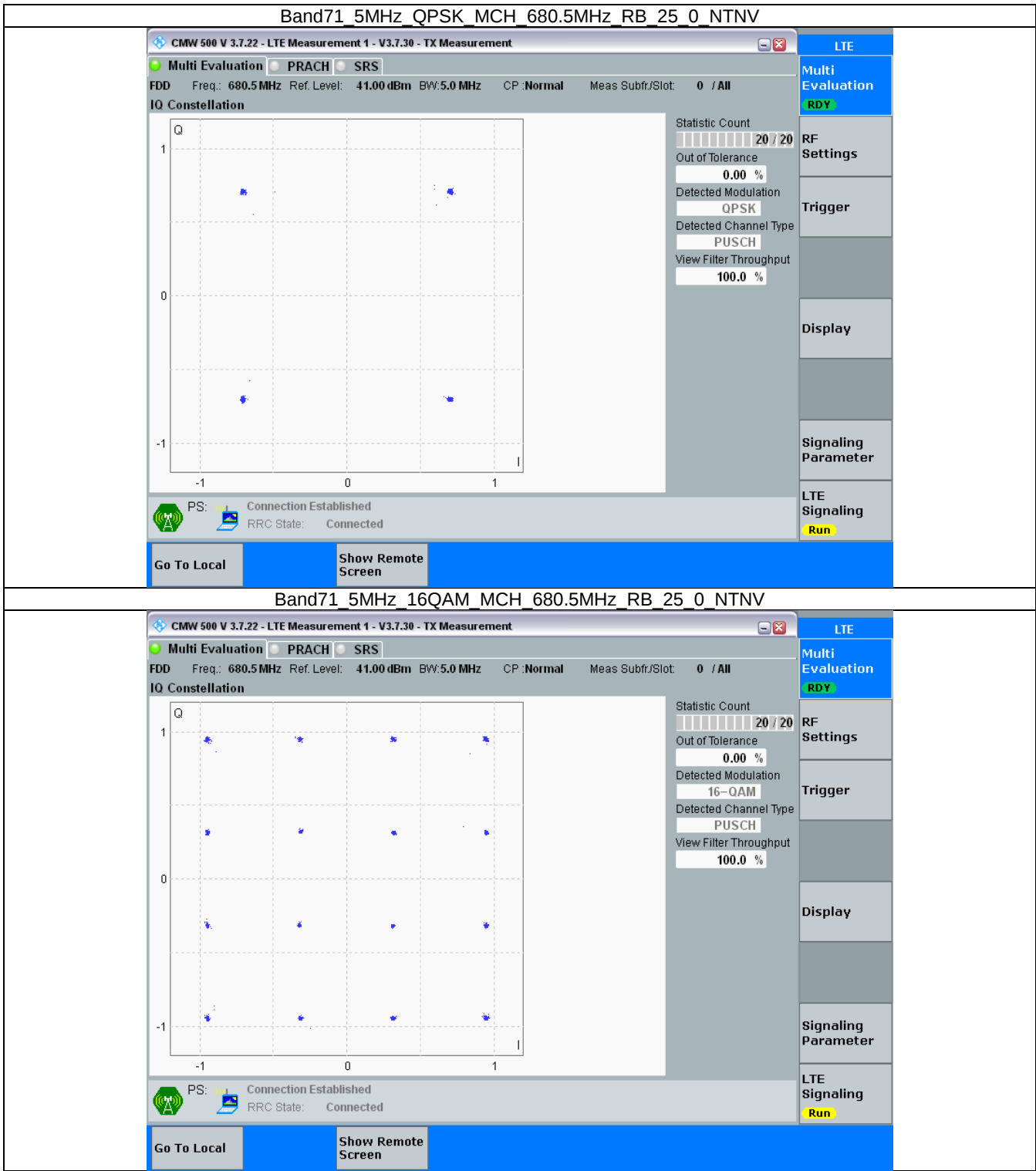
3. Modulation Characteristics

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

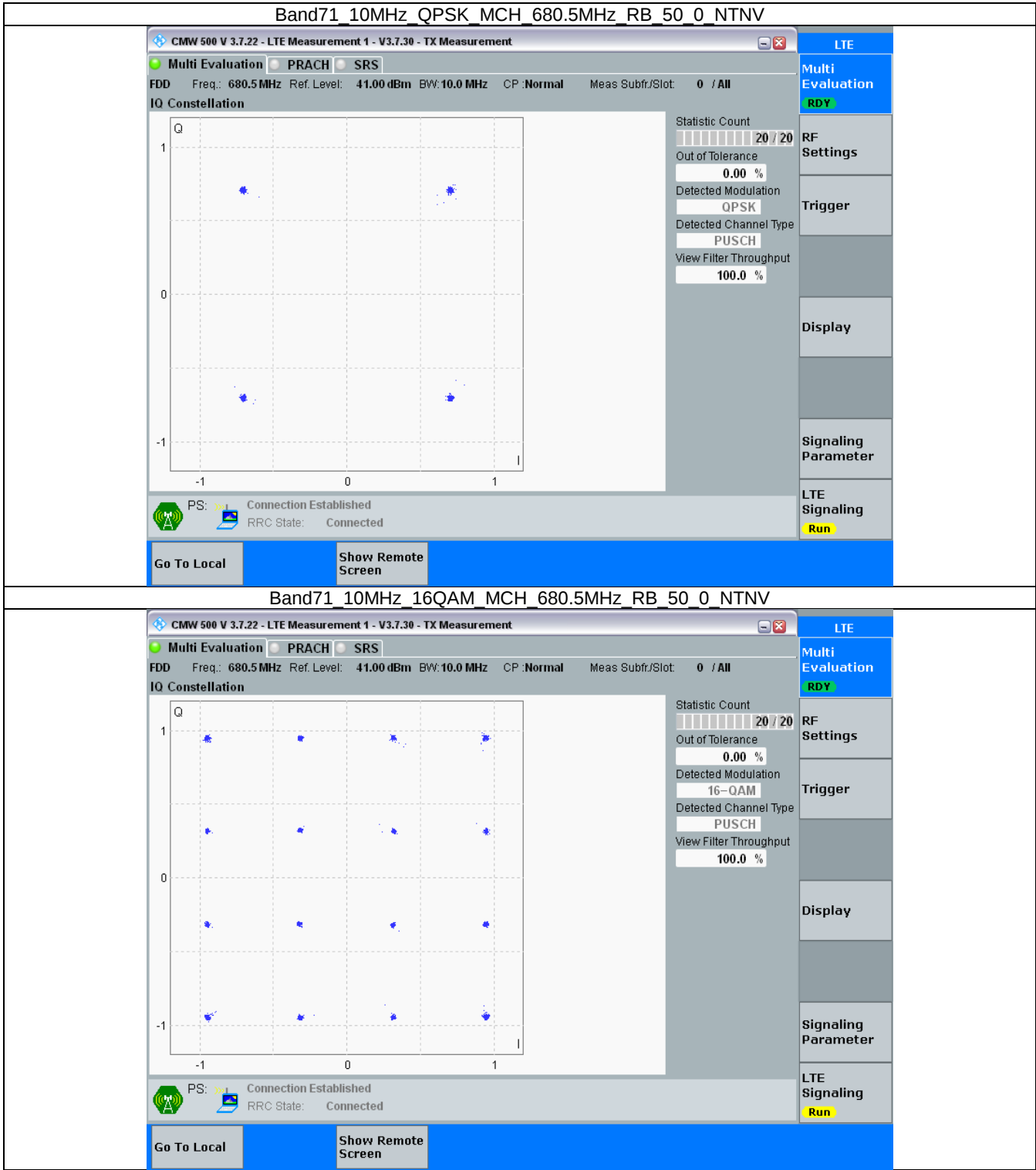


3.2 B71_10MHz

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

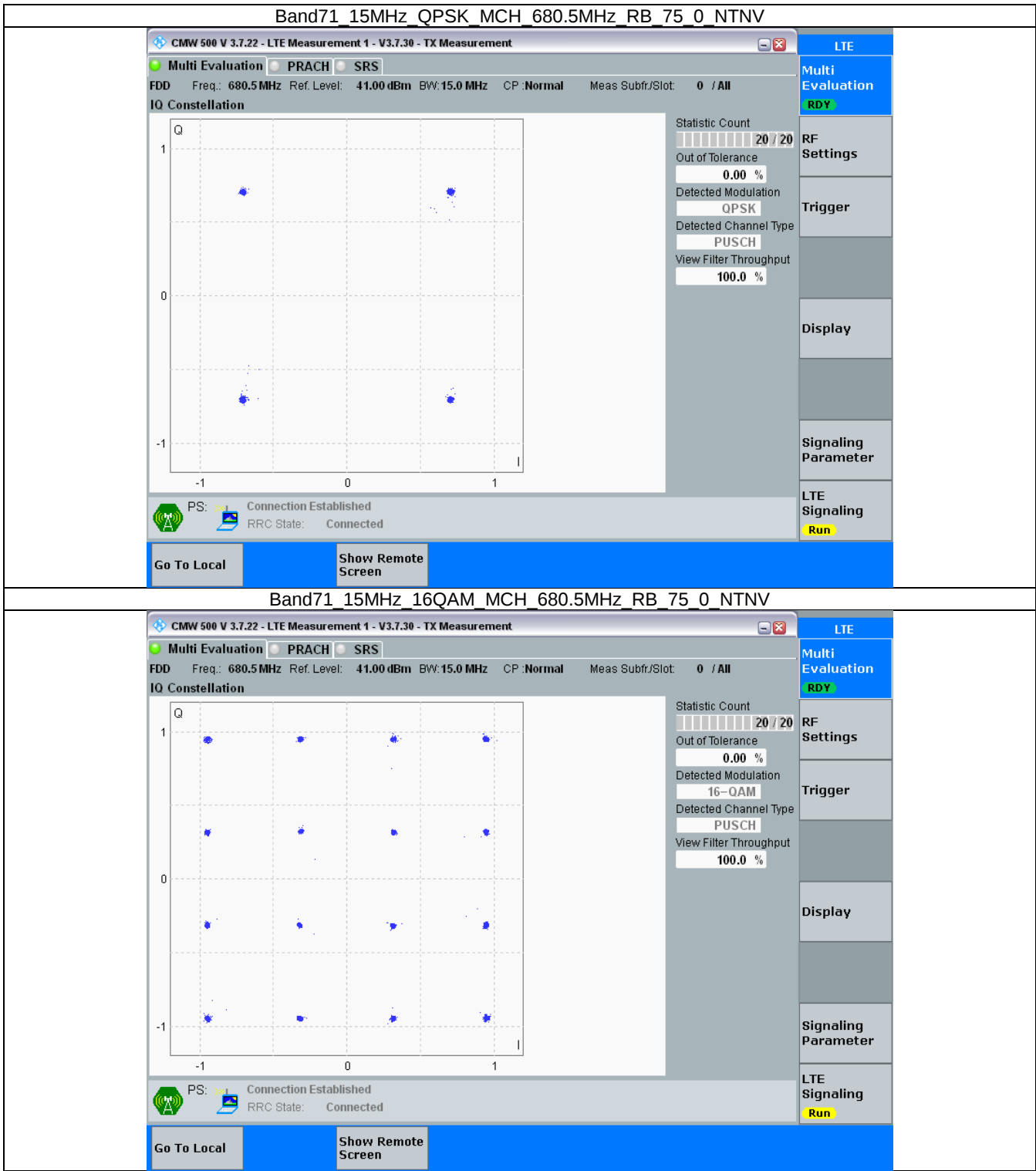


3.3 B71_15MHz

3.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTVN						
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

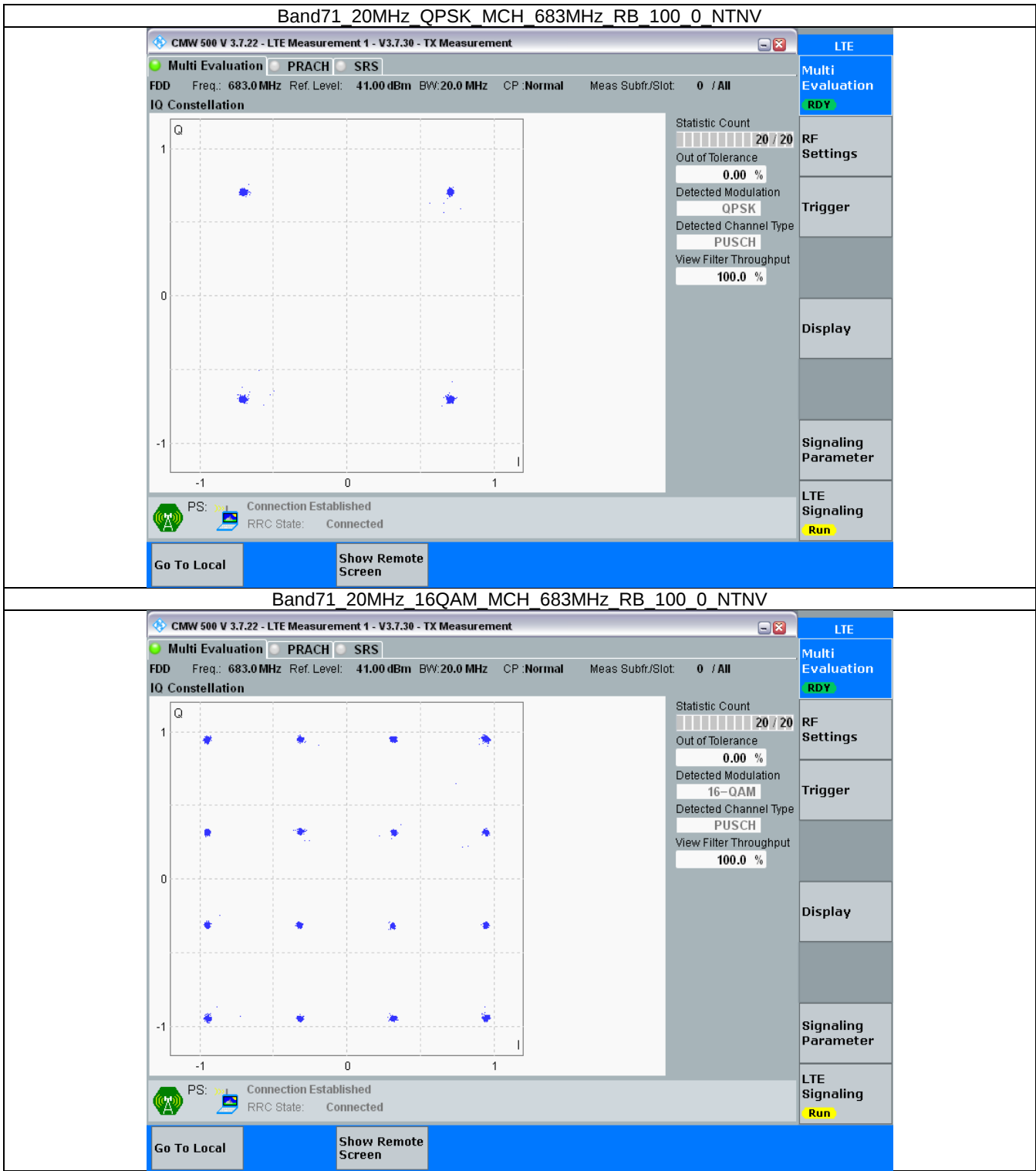


3.4 B71_20MHz

3.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTVN						
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



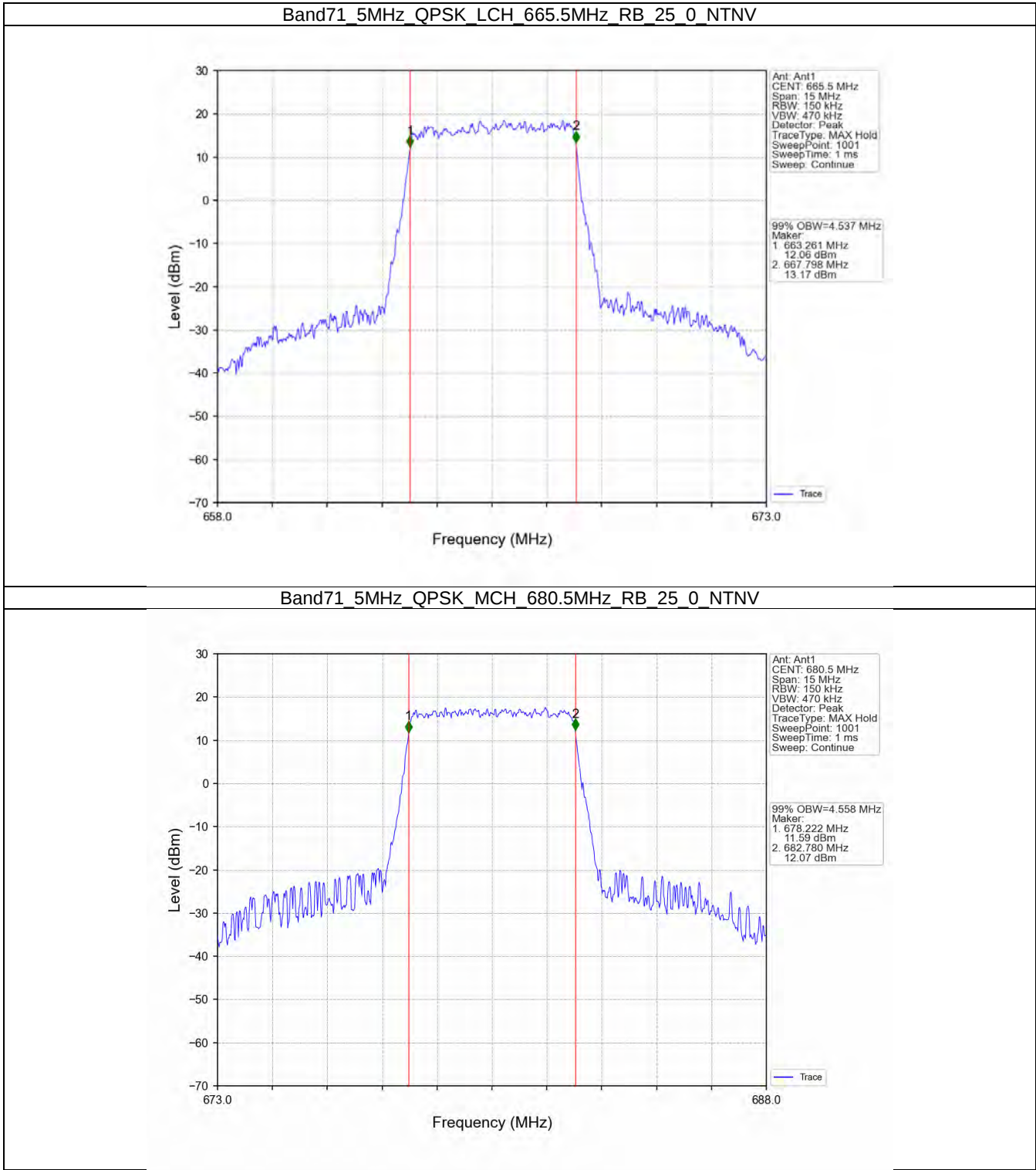
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

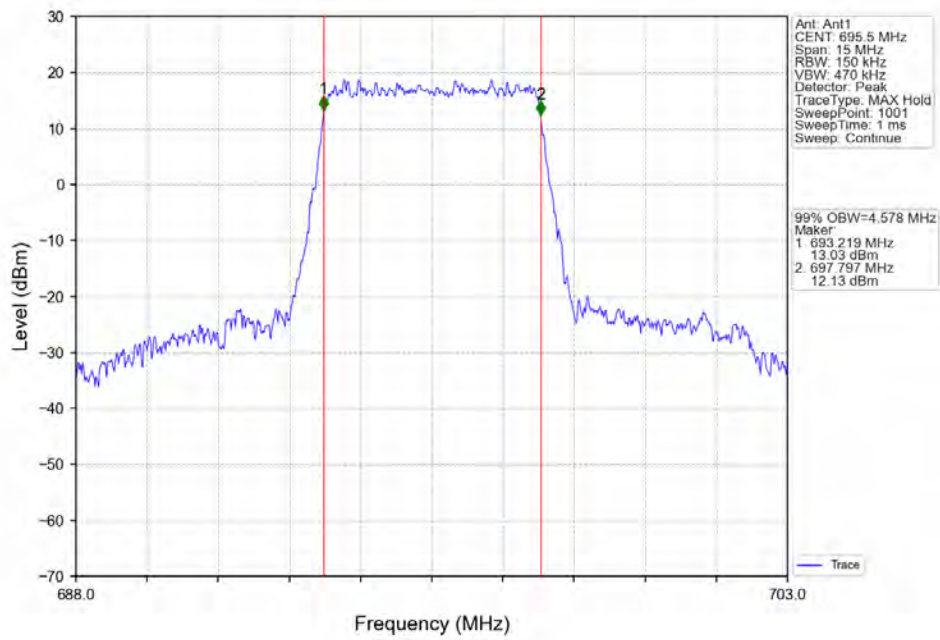
4.1.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.537	Pass
		680.5	25	0	4.558	Pass
		695.5	25	0	4.578	Pass
	16QAM	665.5	25	0	4.575	Pass
		680.5	25	0	4.582	Pass
		695.5	25	0	4.549	Pass
10	QPSK	668	50	0	9.056	Pass
		680.5	50	0	9.015	Pass
		693	50	0	9.103	Pass
	16QAM	668	50	0	9.025	Pass
		680.5	50	0	9.017	Pass
		693	50	0	9.069	Pass
15	QPSK	670.5	75	0	13.606	Pass
		680.5	75	0	13.516	Pass
		690.5	75	0	13.697	Pass
	16QAM	670.5	75	0	13.605	Pass
		680.5	75	0	13.524	Pass
		690.5	75	0	13.657	Pass
20	QPSK	673	100	0	18.170	Pass
		683	100	0	18.077	Pass
		688	100	0	18.176	Pass
	16QAM	673	100	0	18.178	Pass
		683	100	0	18.097	Pass
		688	100	0	18.189	Pass

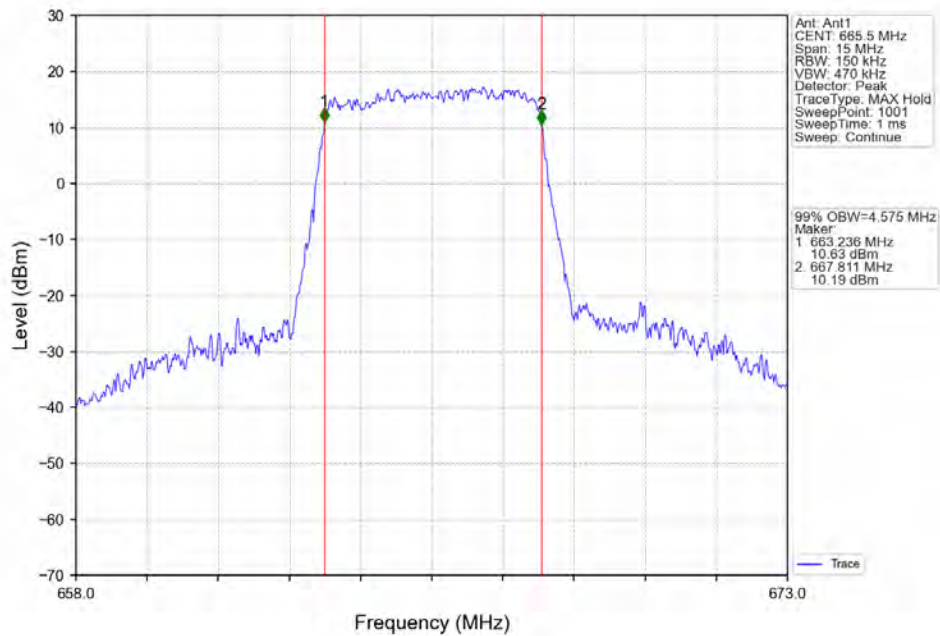
4.1.2 Test Graph



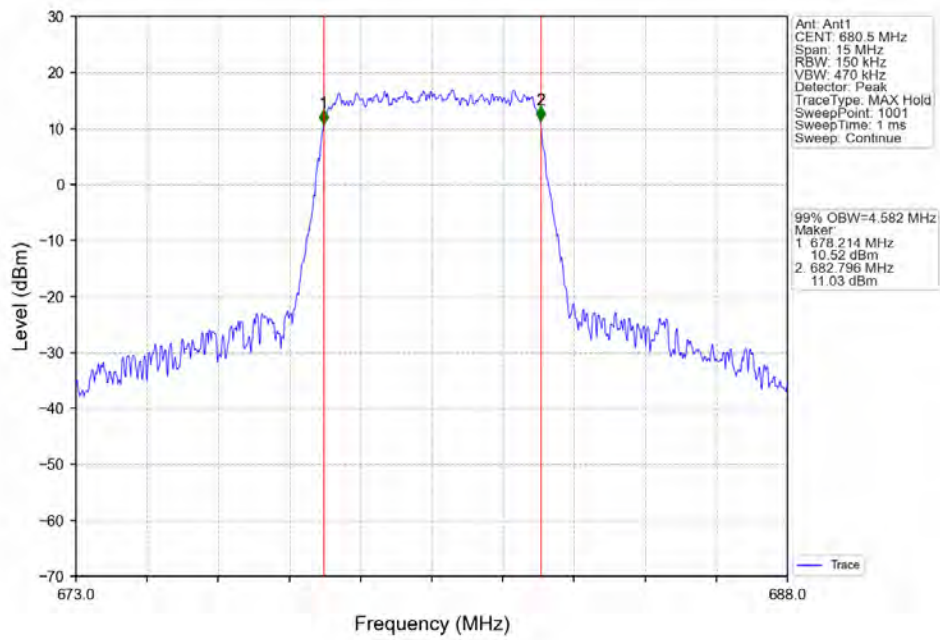
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



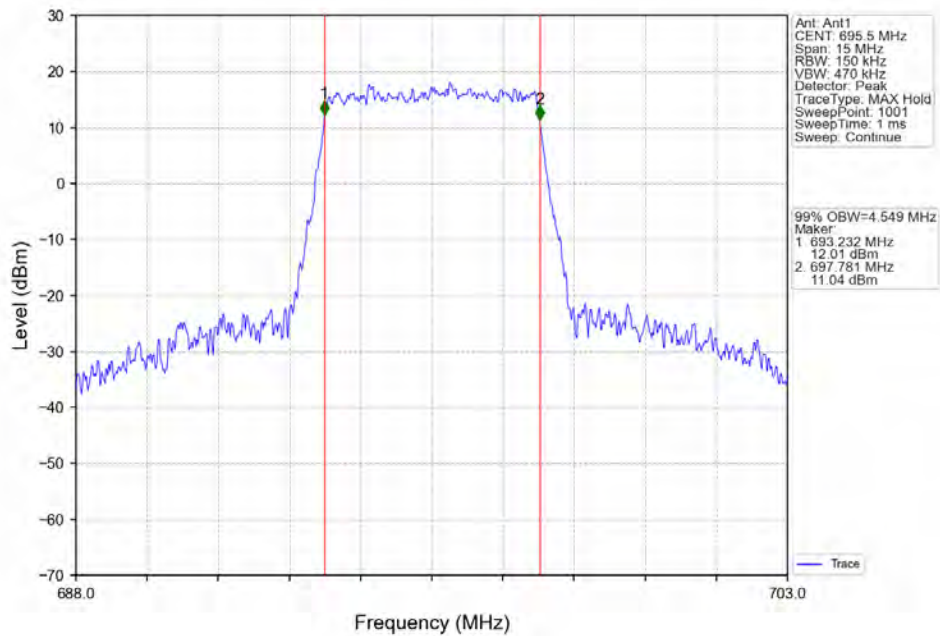
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



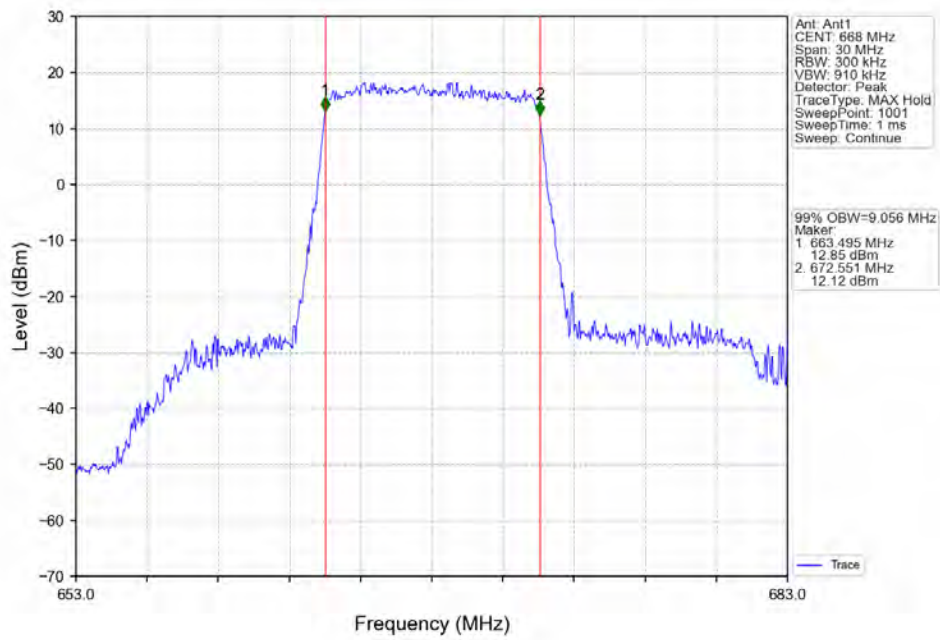
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



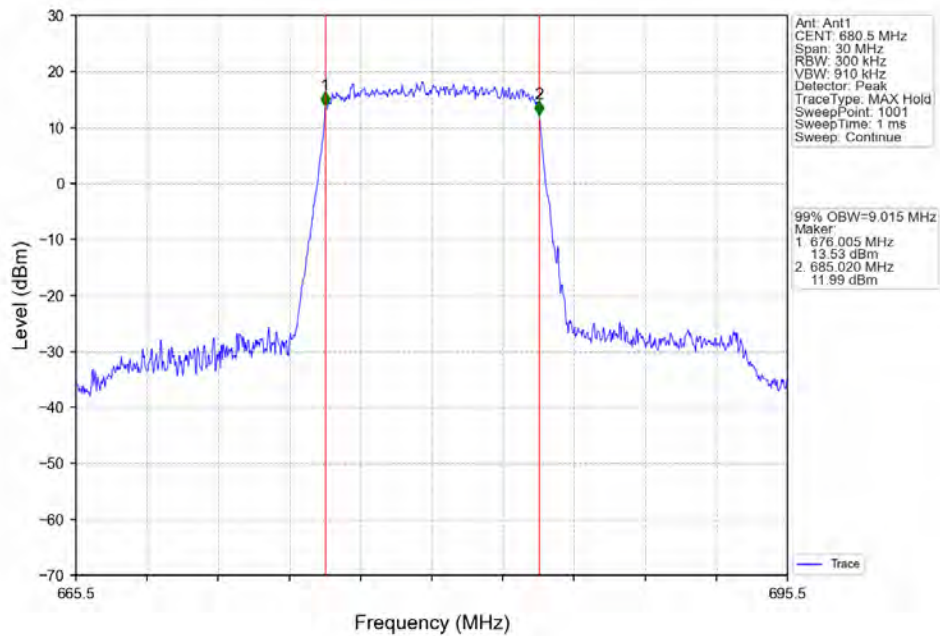
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



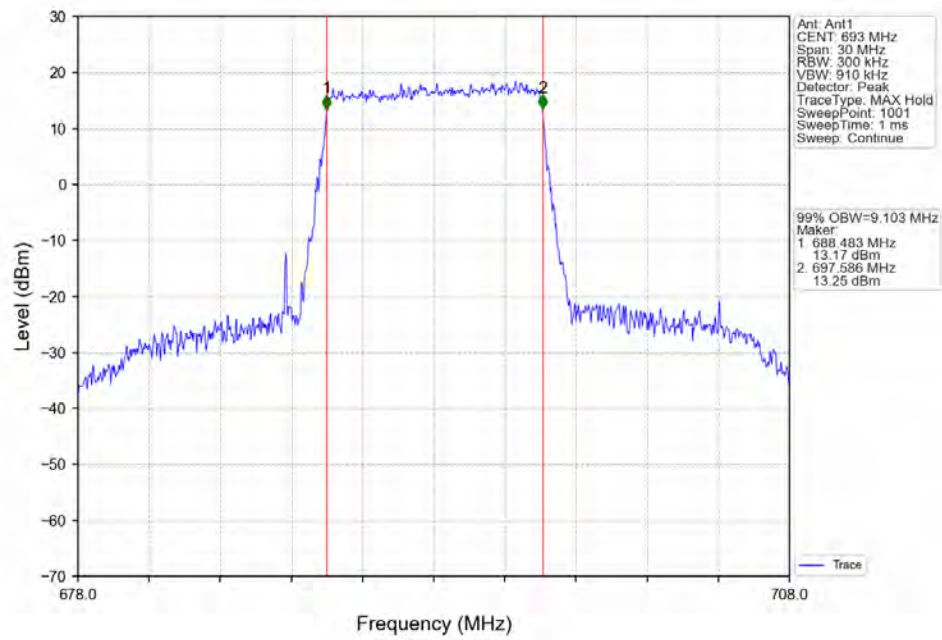
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



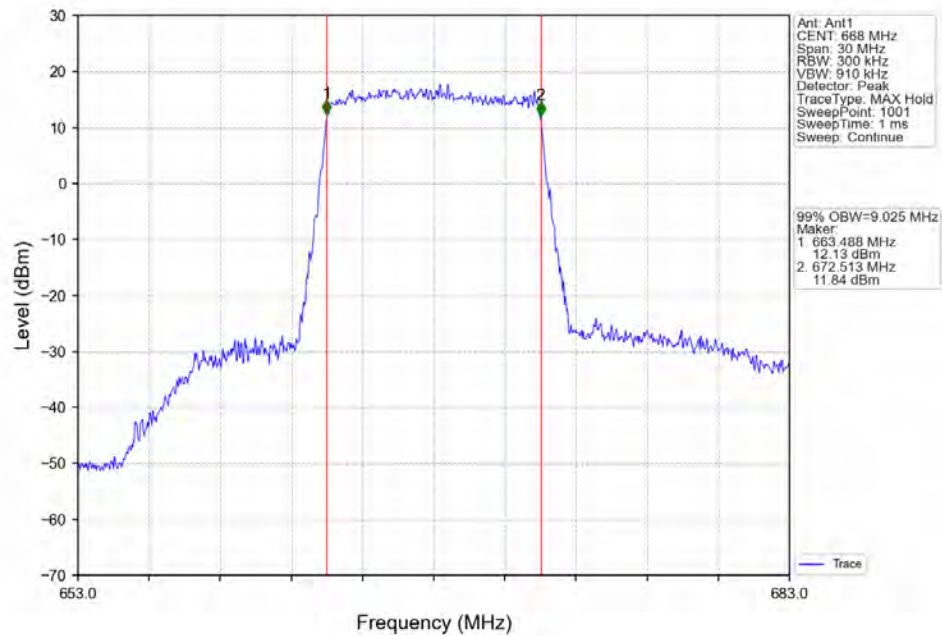
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



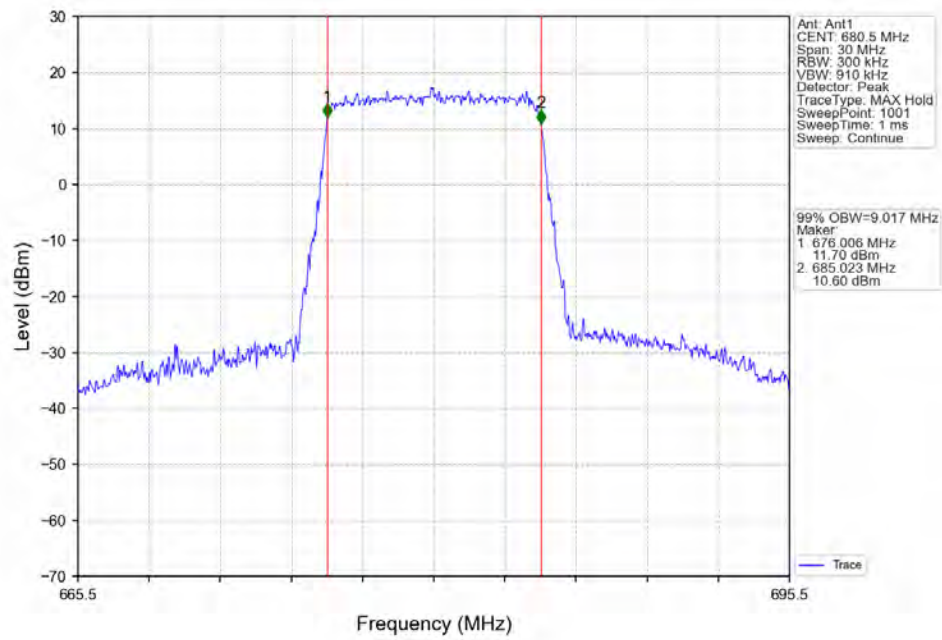
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



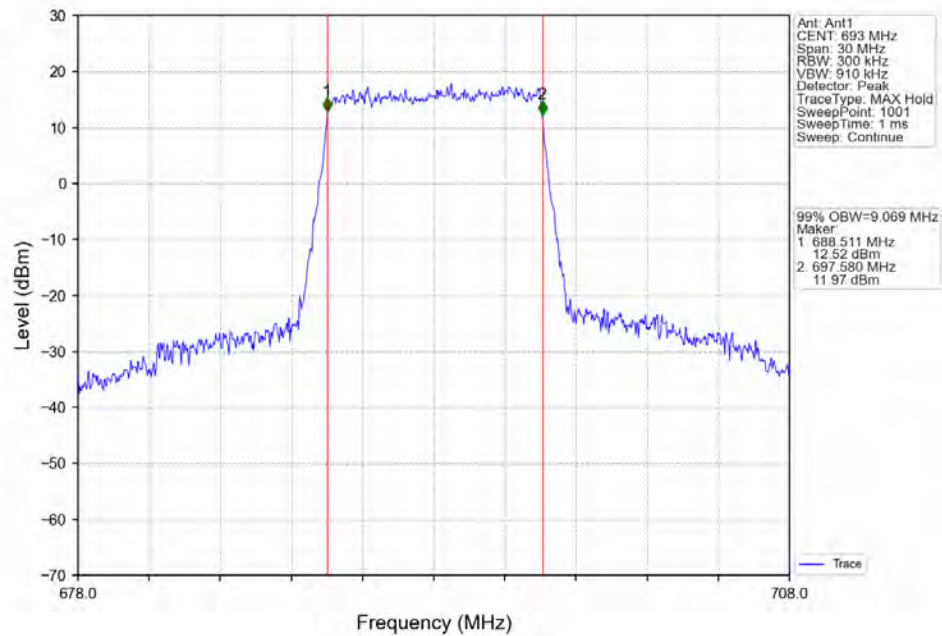
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



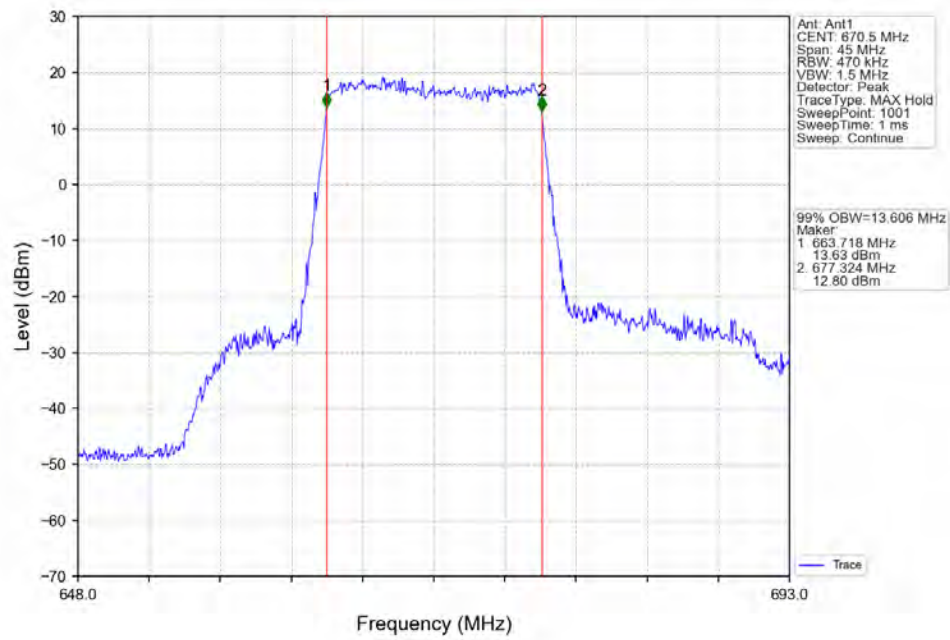
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



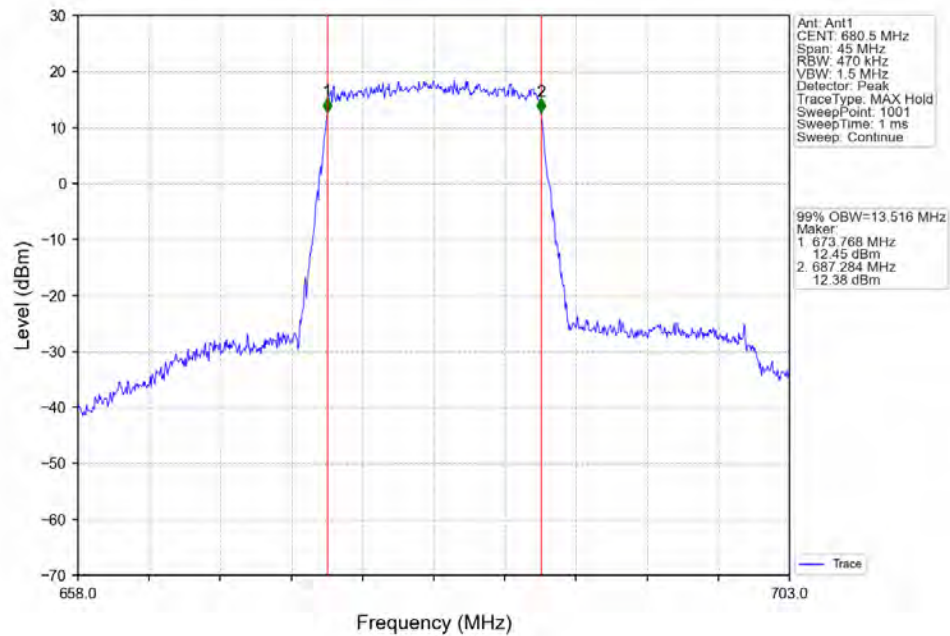
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



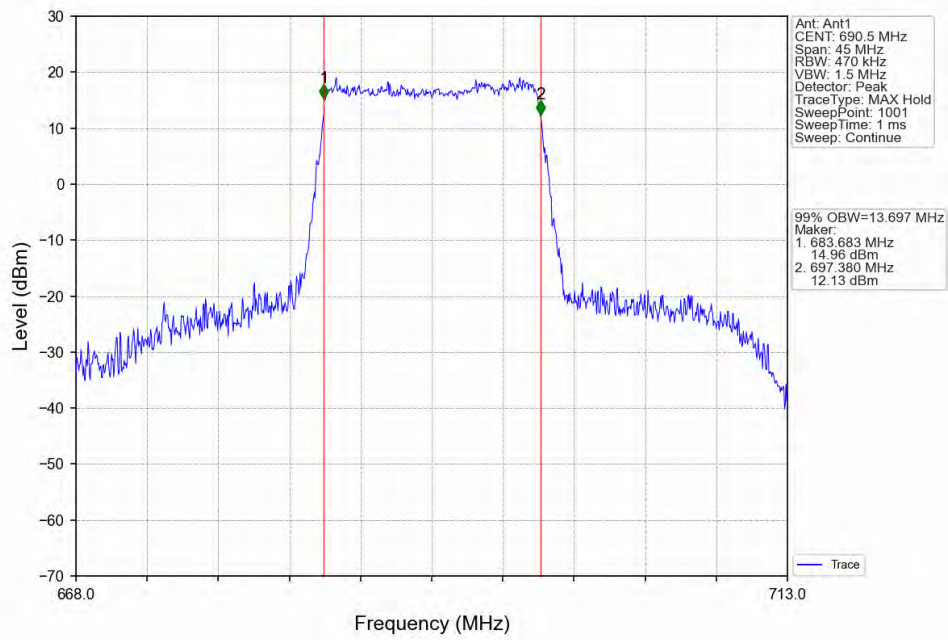
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



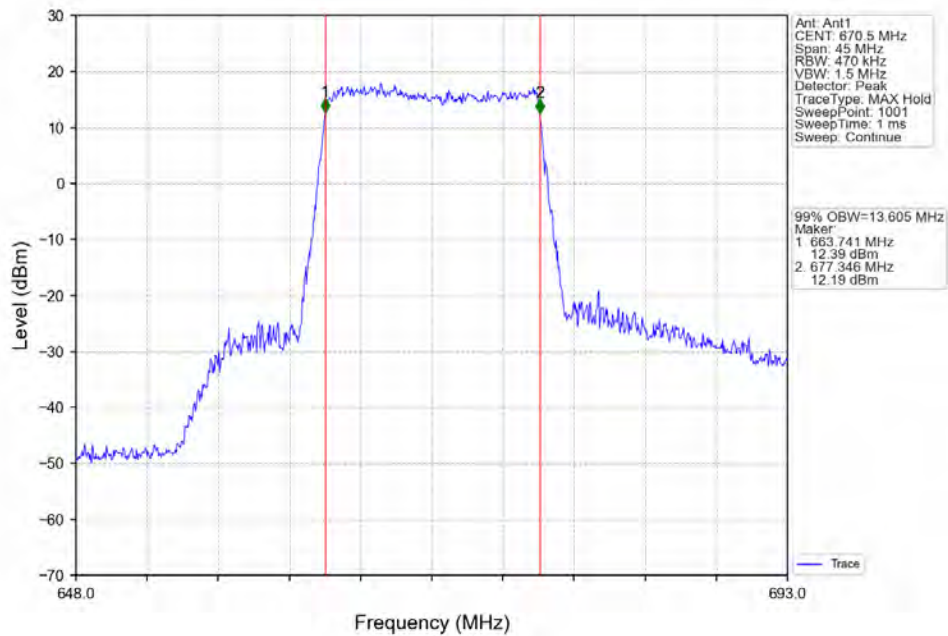
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTV



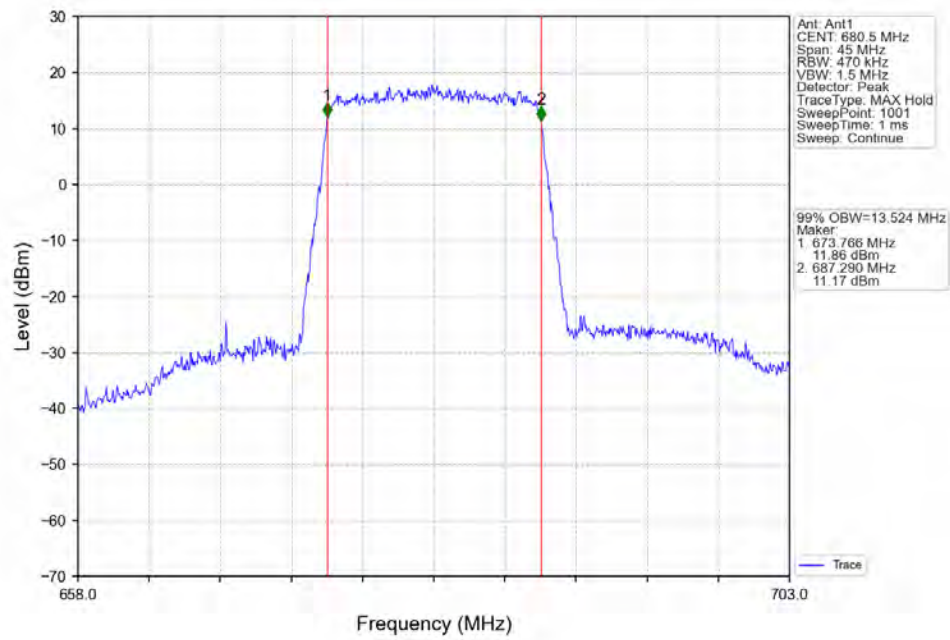
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



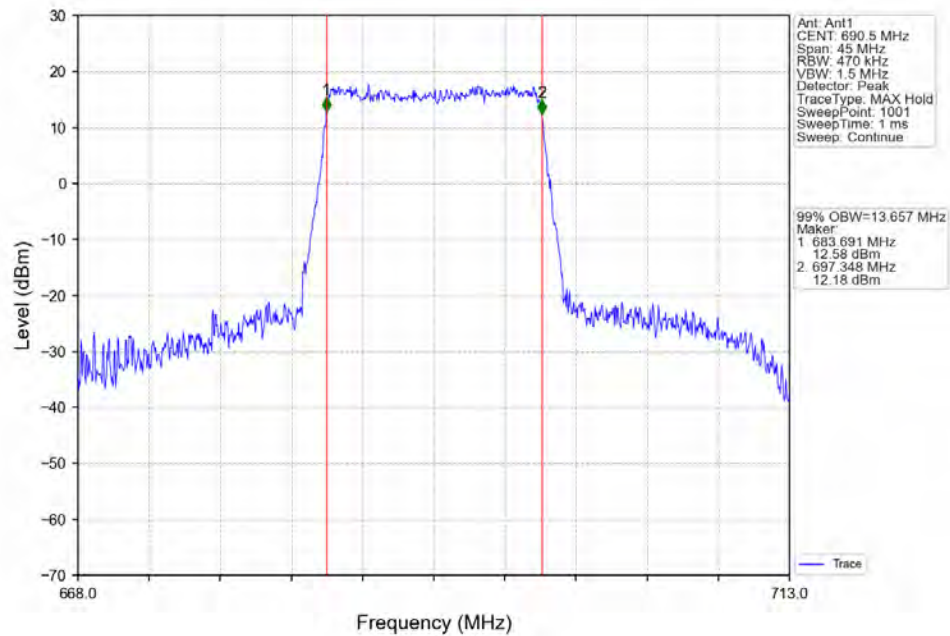
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



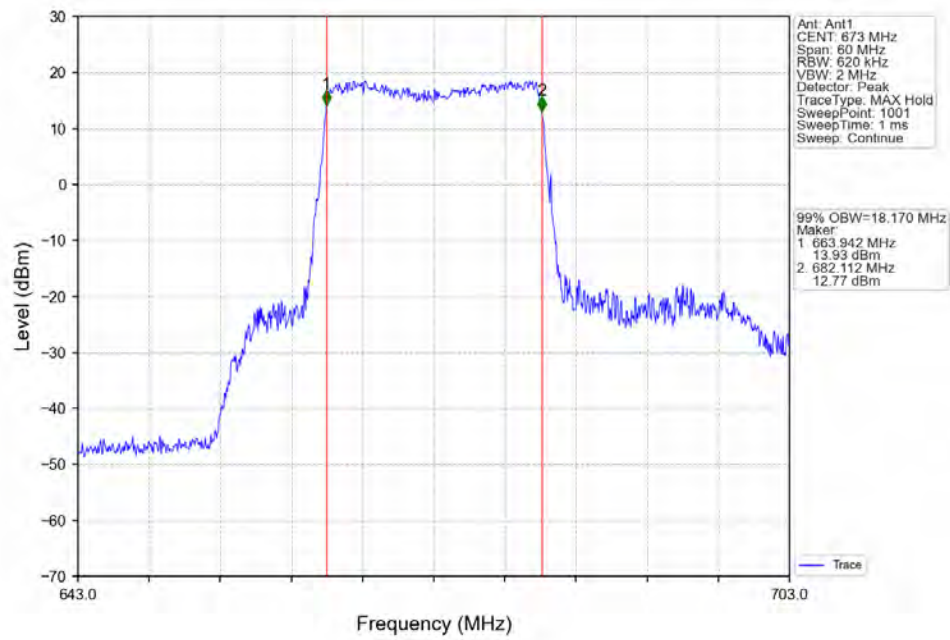
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



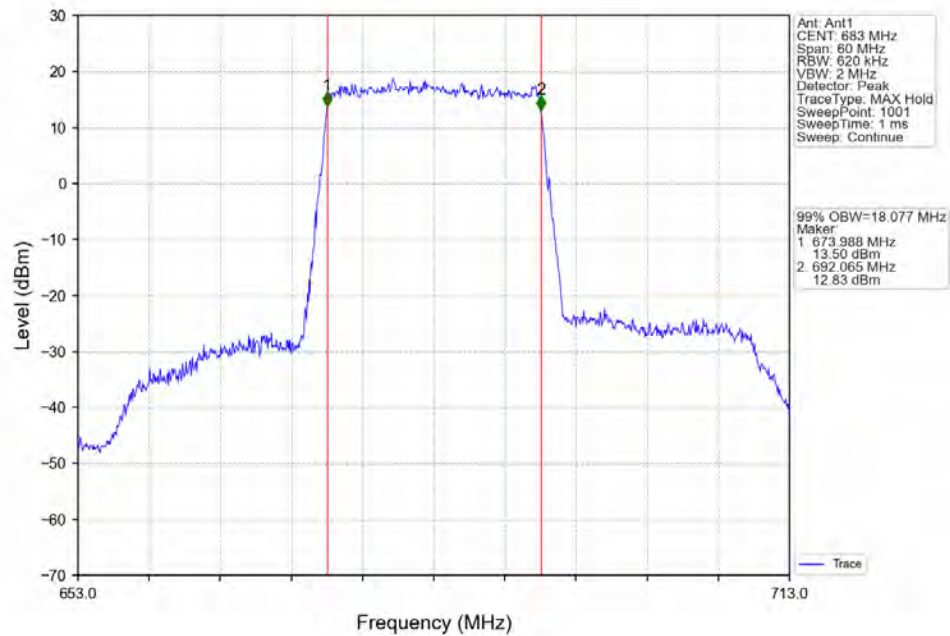
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



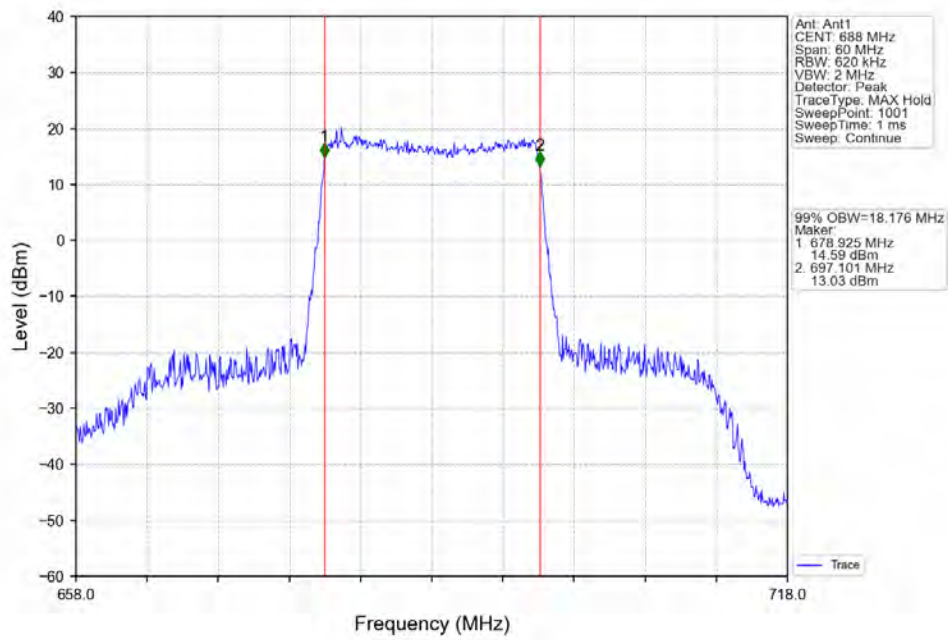
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



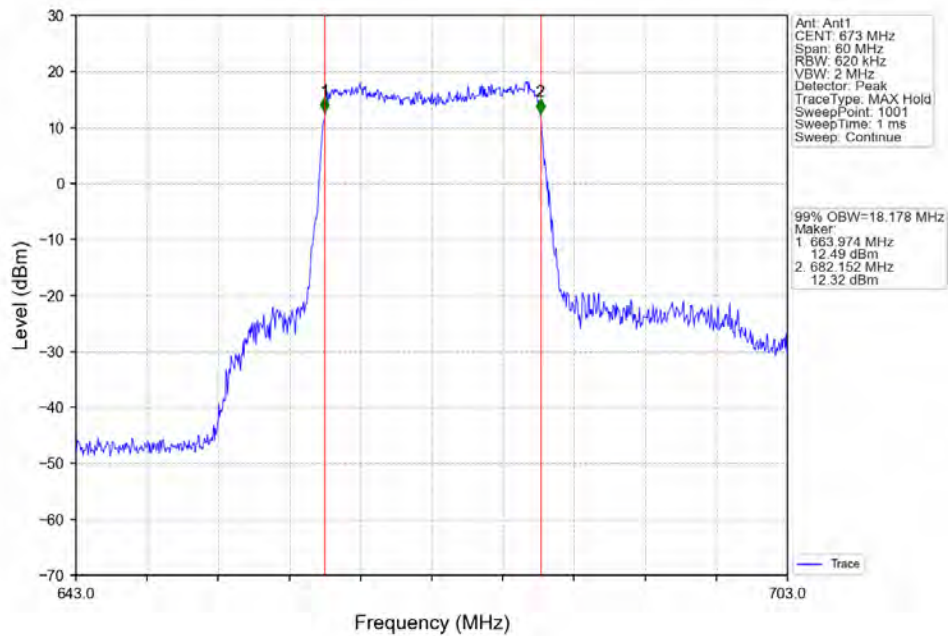
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



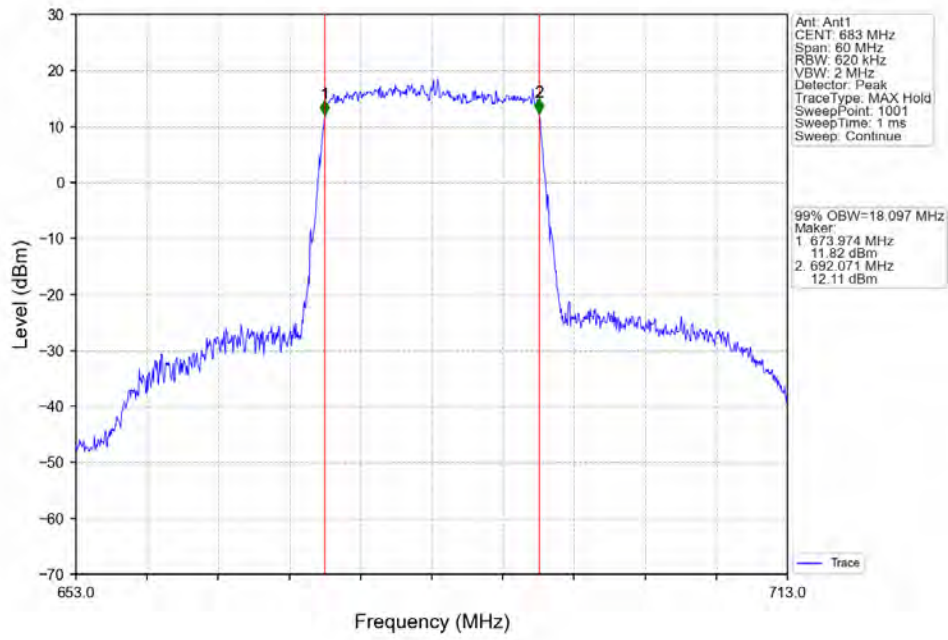
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



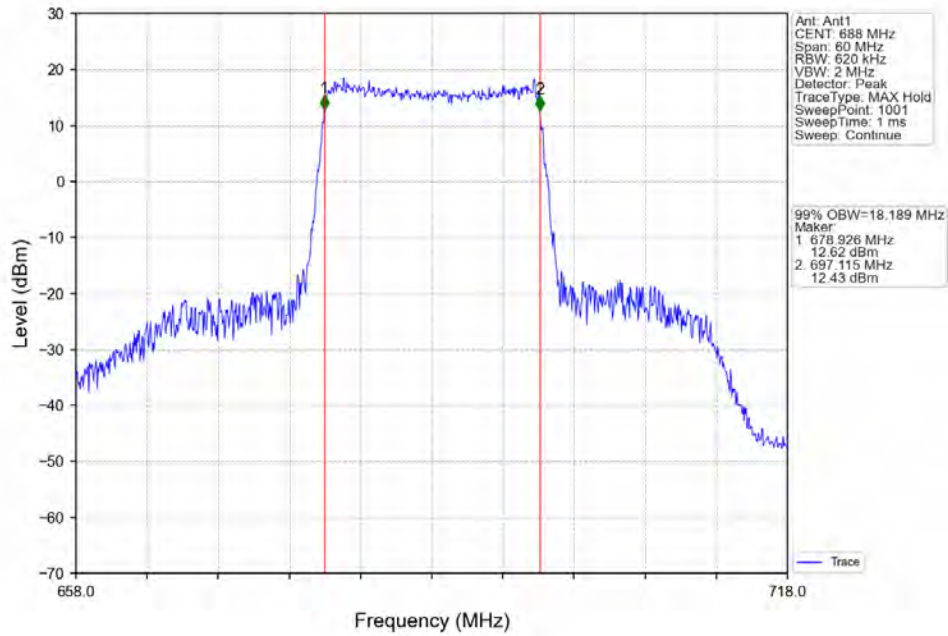
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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

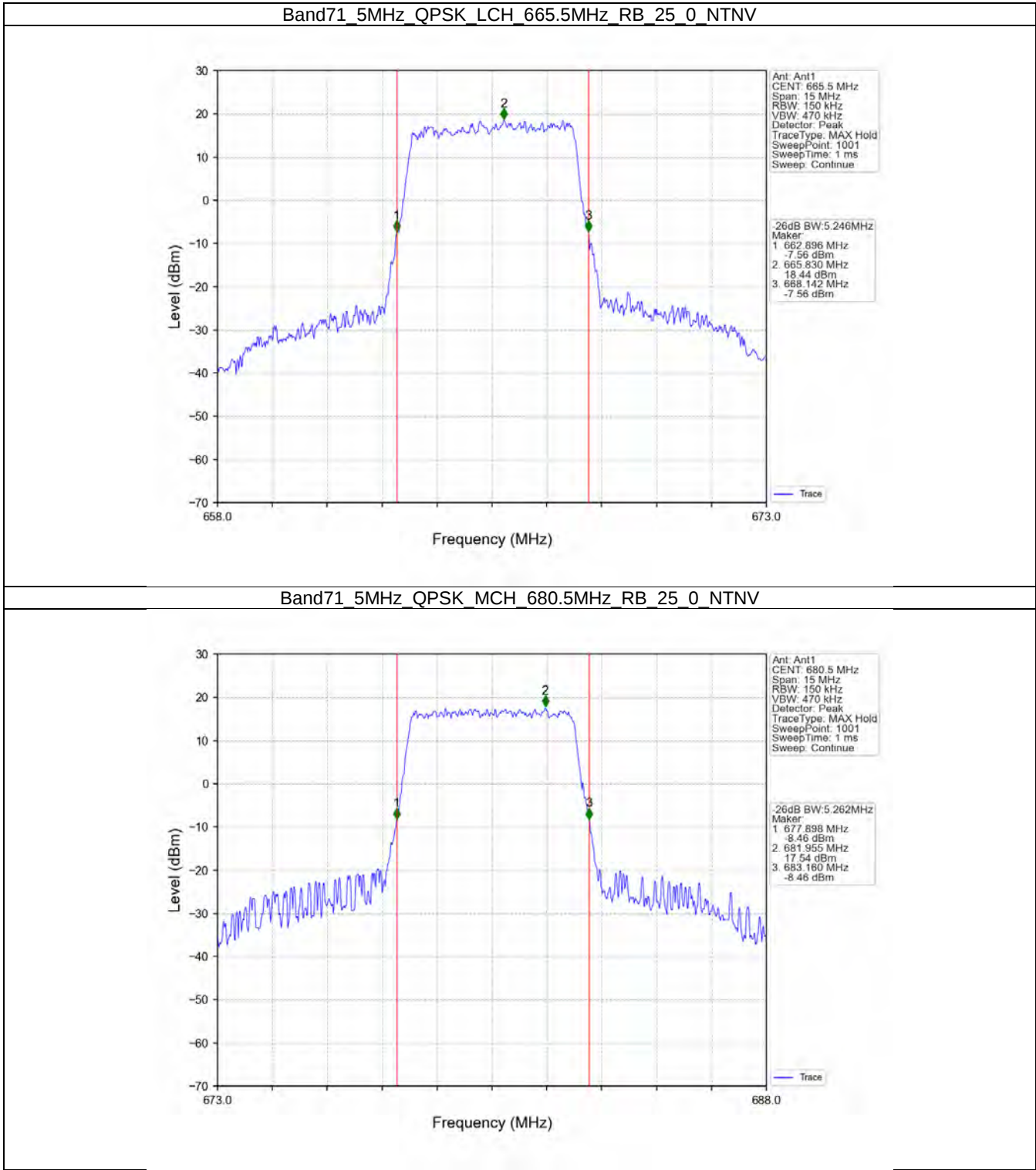


4.2 Band71_XDB

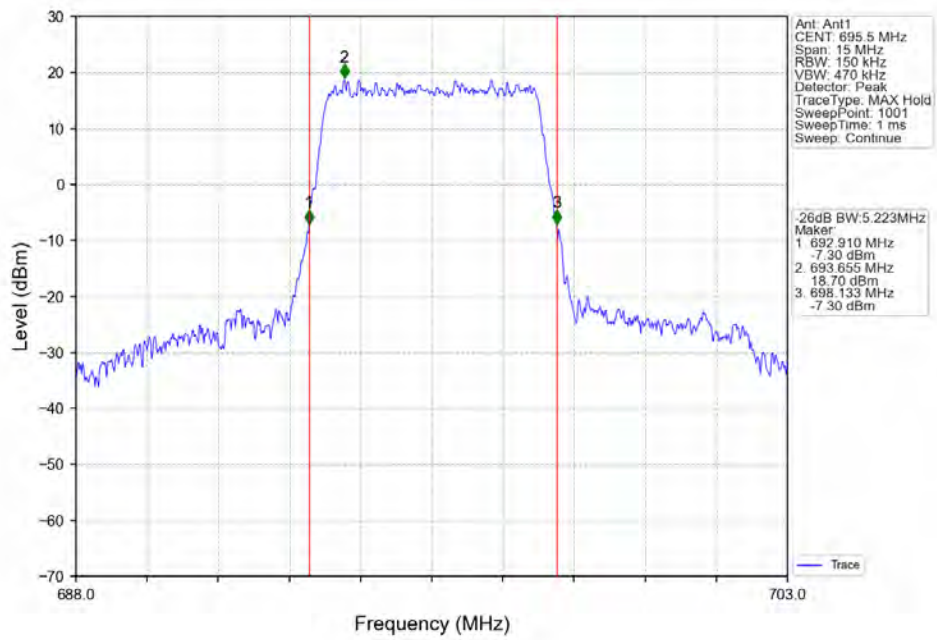
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.246	Pass
		680.5	25	0	5.262	Pass
		695.5	25	0	5.223	Pass
	16QAM	665.5	25	0	5.217	Pass
		680.5	25	0	5.268	Pass
		695.5	25	0	5.263	Pass
10	QPSK	668	50	0	10.326	Pass
		680.5	50	0	10.126	Pass
		693	50	0	10.227	Pass
	16QAM	668	50	0	10.163	Pass
		680.5	50	0	10.139	Pass
		693	50	0	10.222	Pass
15	QPSK	670.5	75	0	15.243	Pass
		680.5	75	0	15.207	Pass
		690.5	75	0	15.459	Pass
	16QAM	670.5	75	0	15.182	Pass
		680.5	75	0	15.141	Pass
		690.5	75	0	15.485	Pass
20	QPSK	673	100	0	20.252	Pass
		683	100	0	20.151	Pass
		688	100	0	19.890	Pass
	16QAM	673	100	0	20.119	Pass
		683	100	0	19.799	Pass
		688	100	0	20.057	Pass

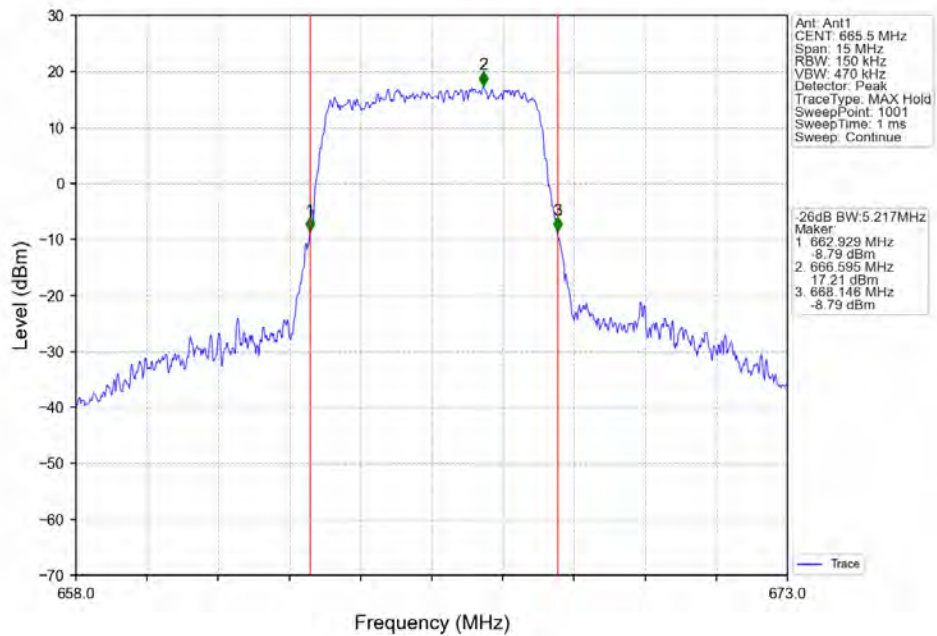
4.2.2 Test Graph



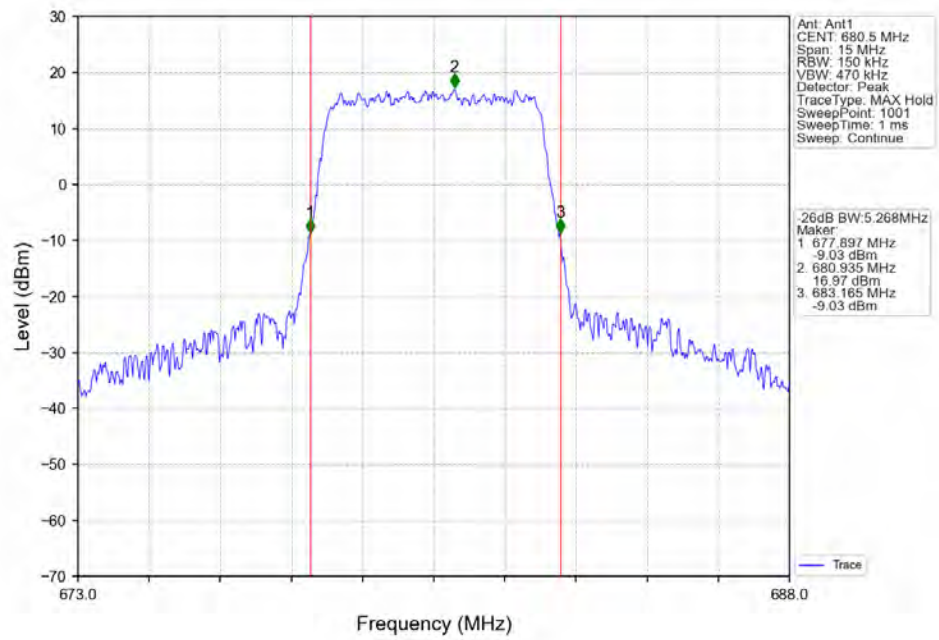
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



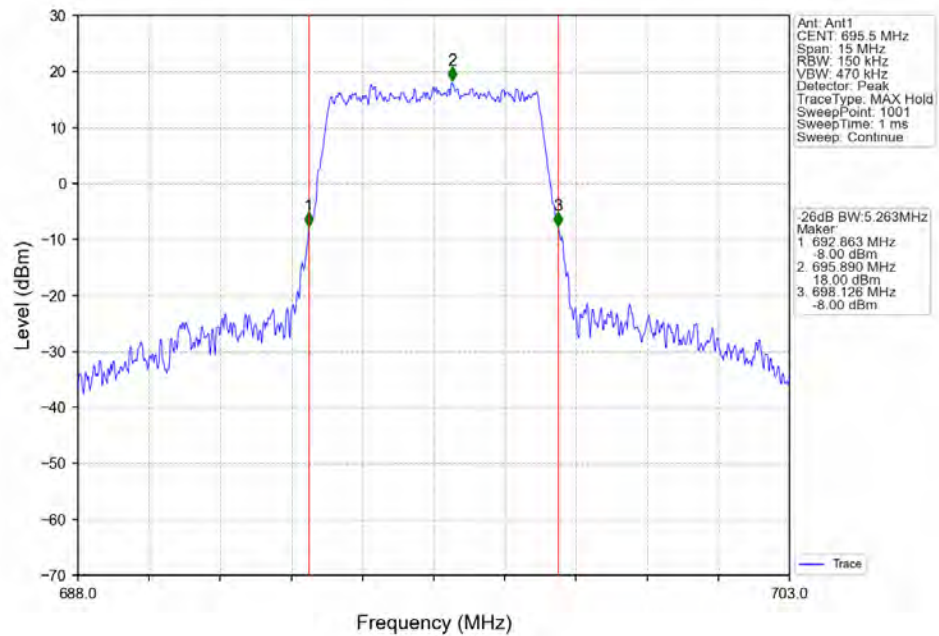
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



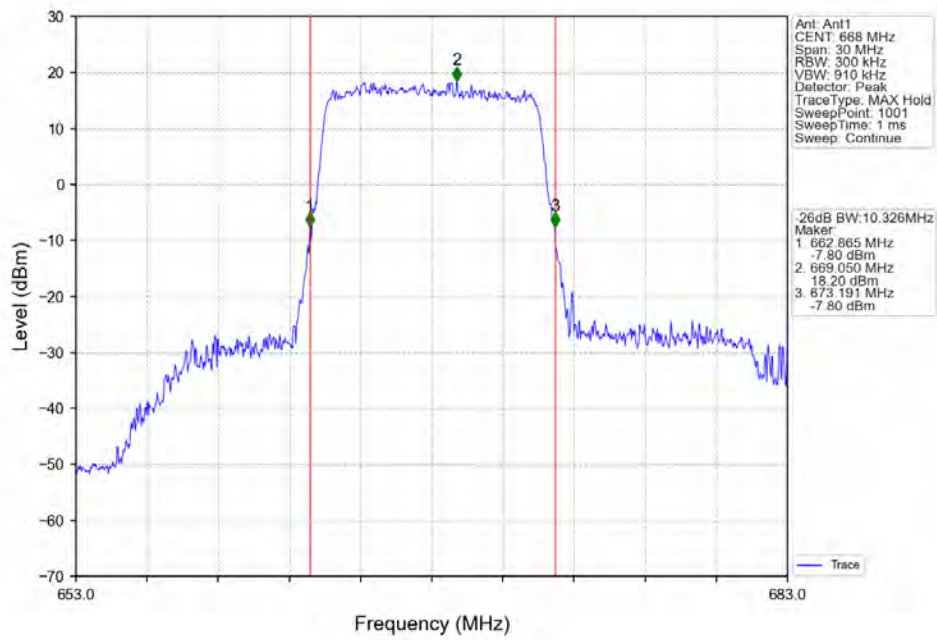
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



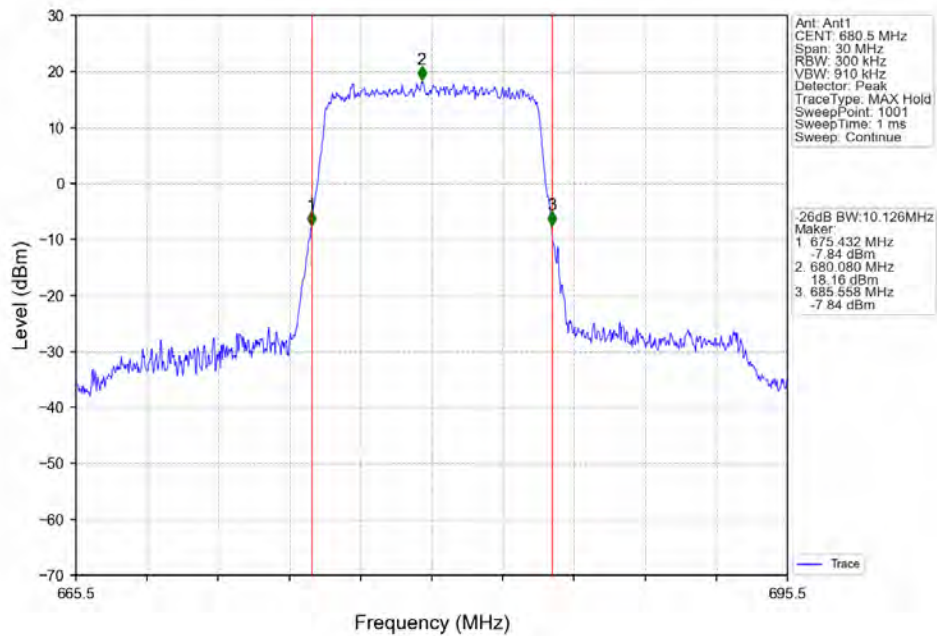
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



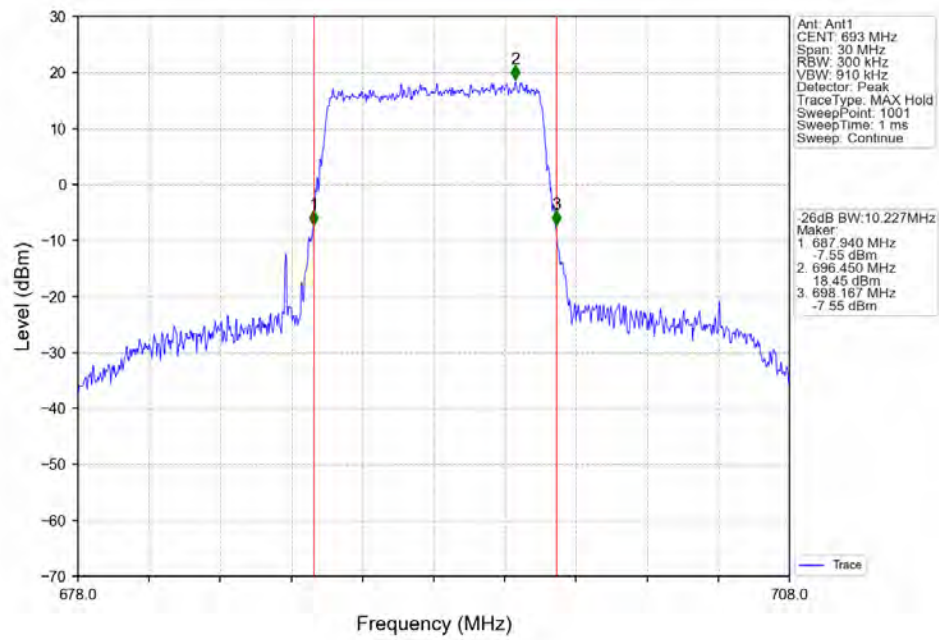
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



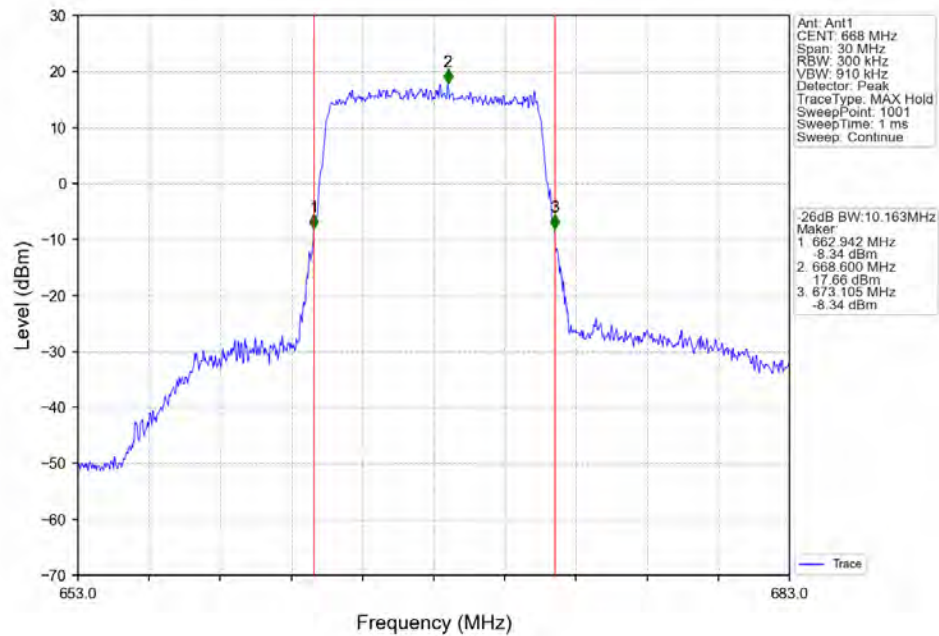
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



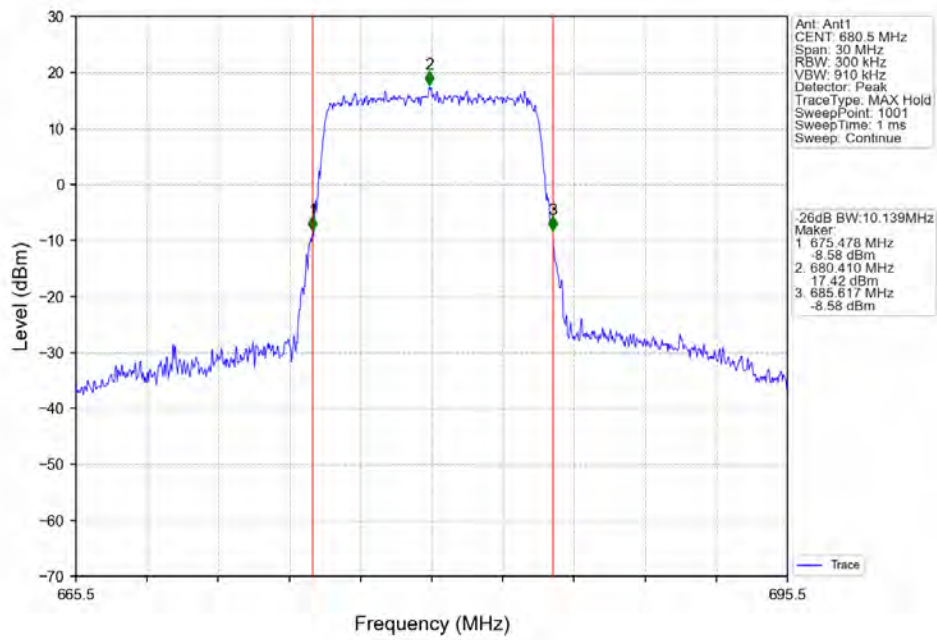
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



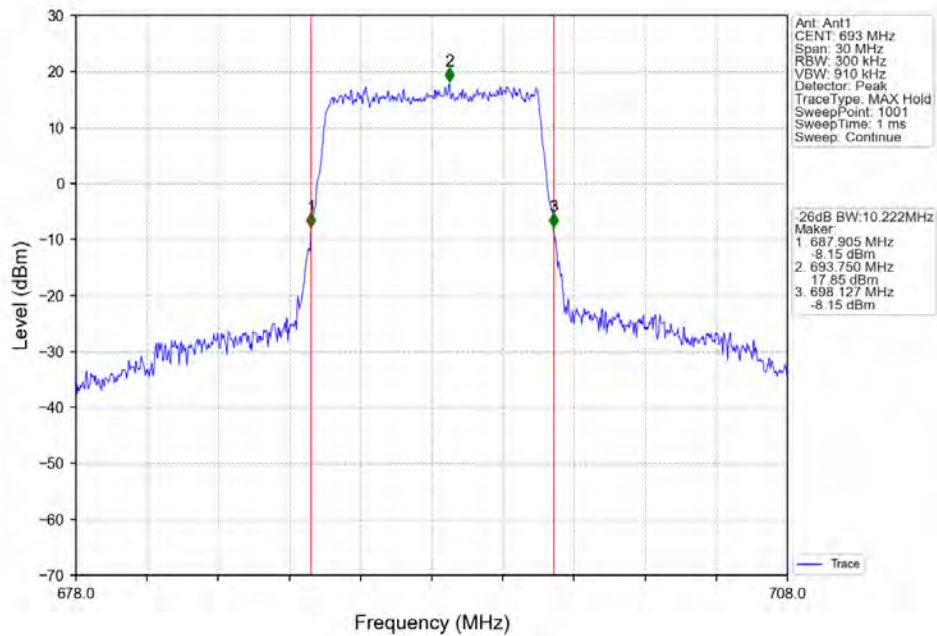
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



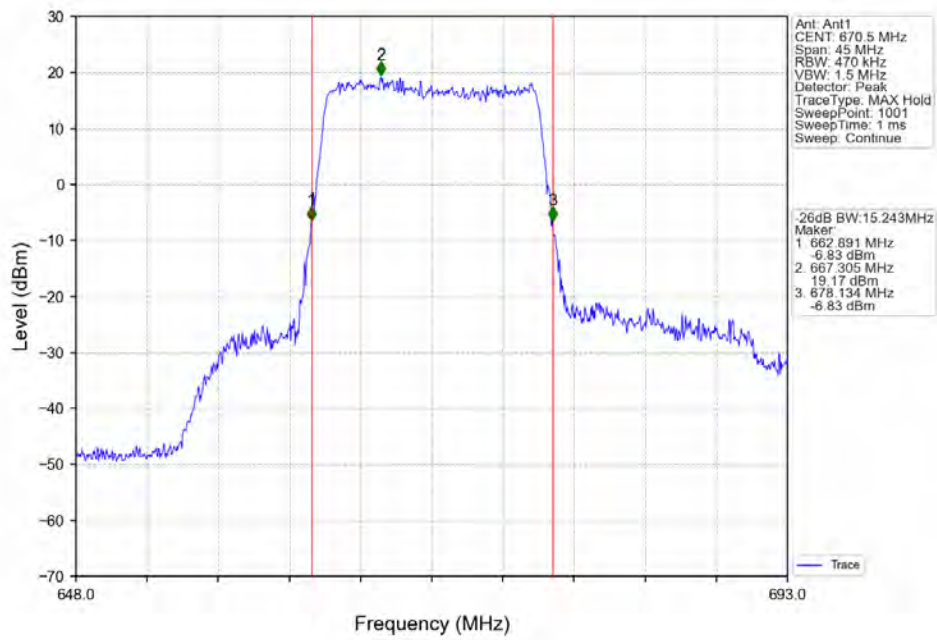
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



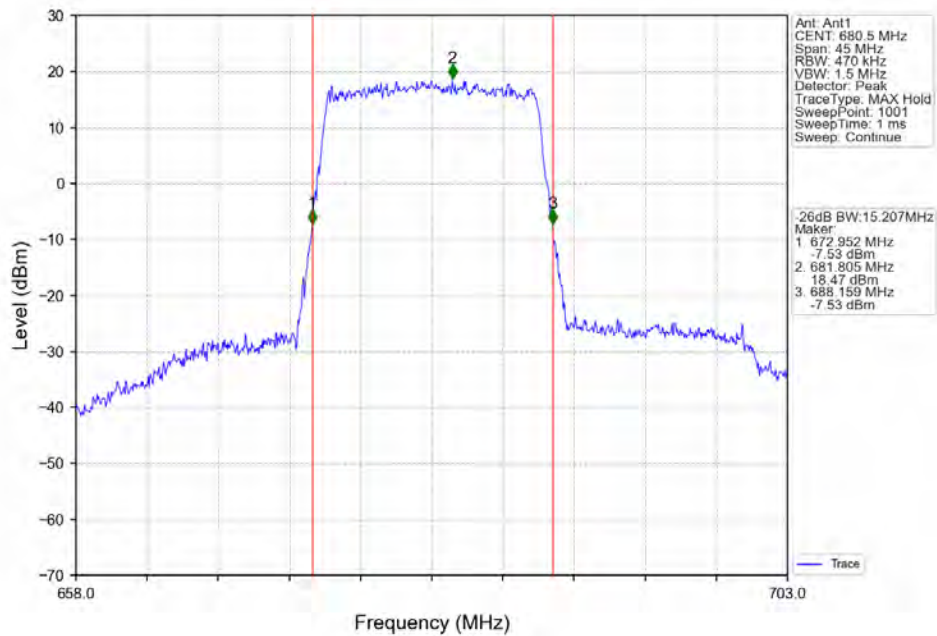
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



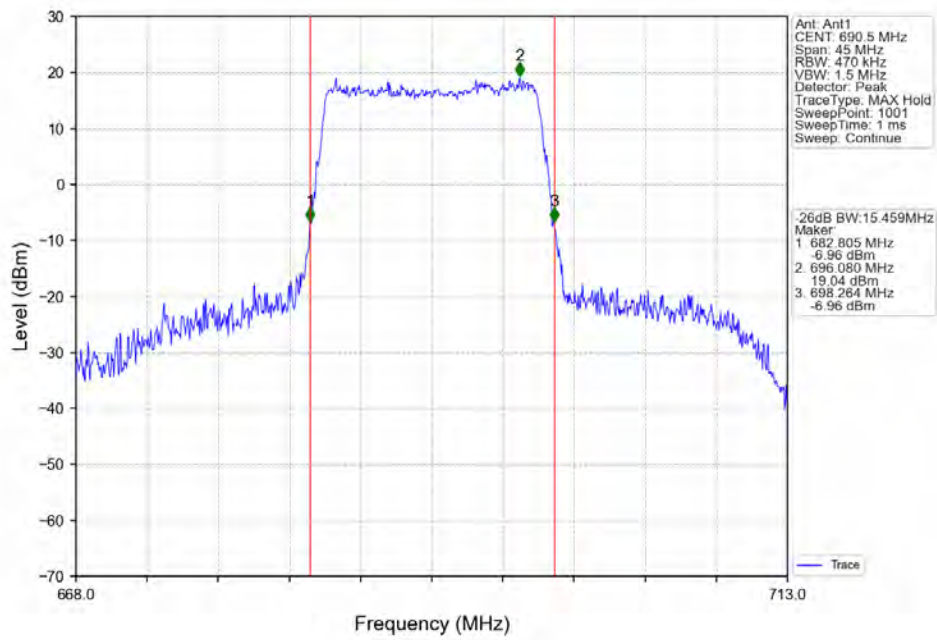
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTV



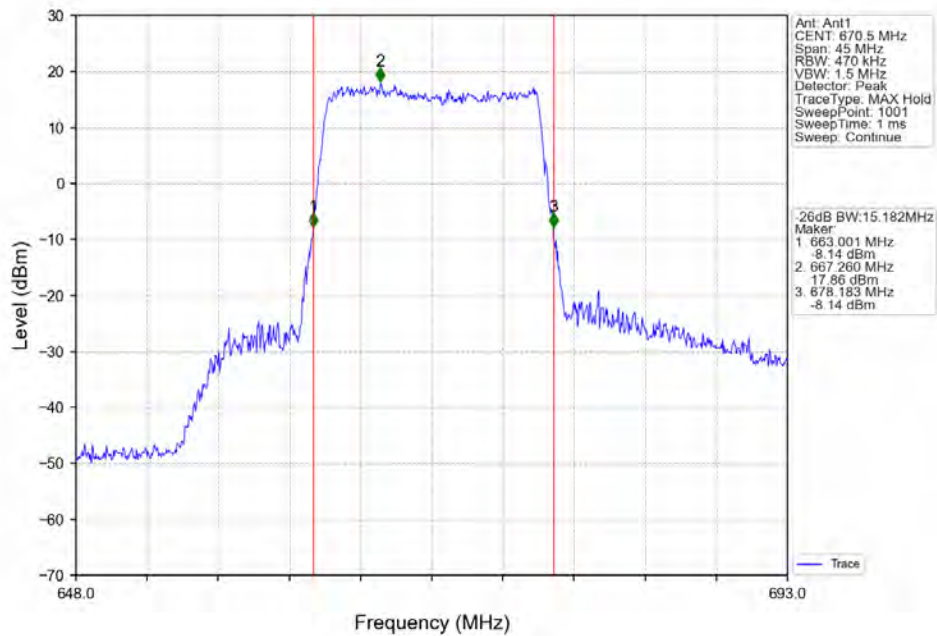
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTV



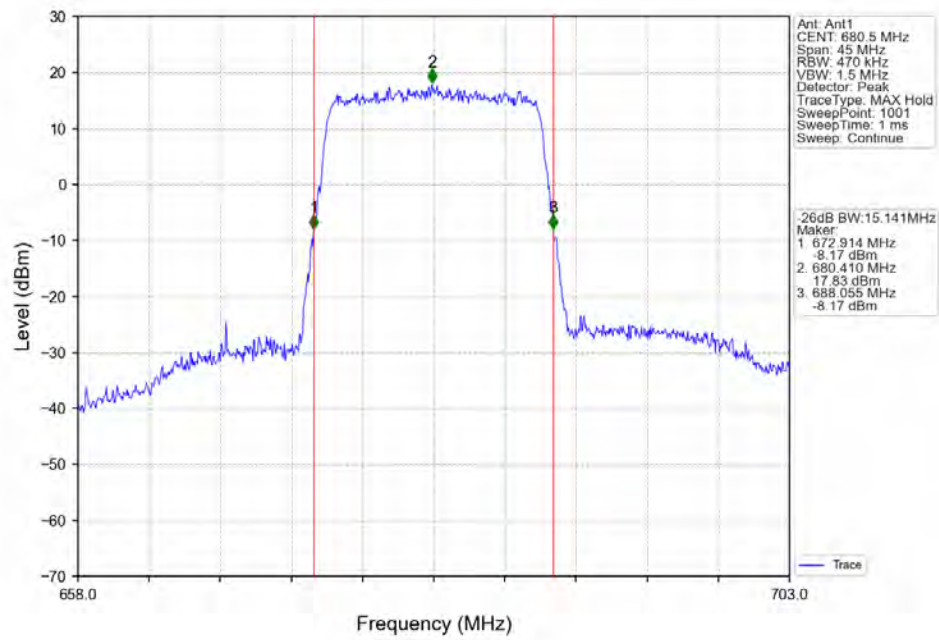
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



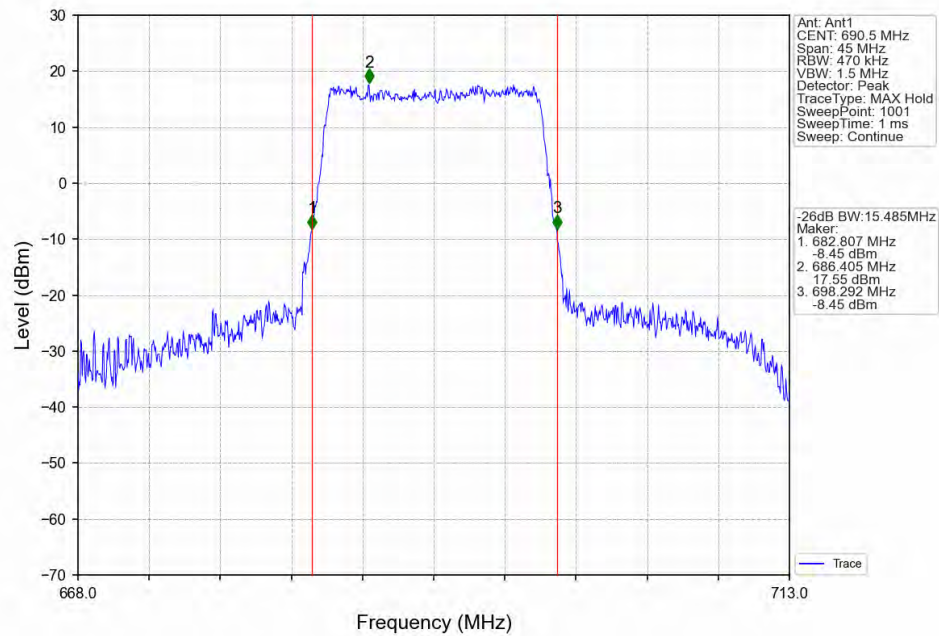
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



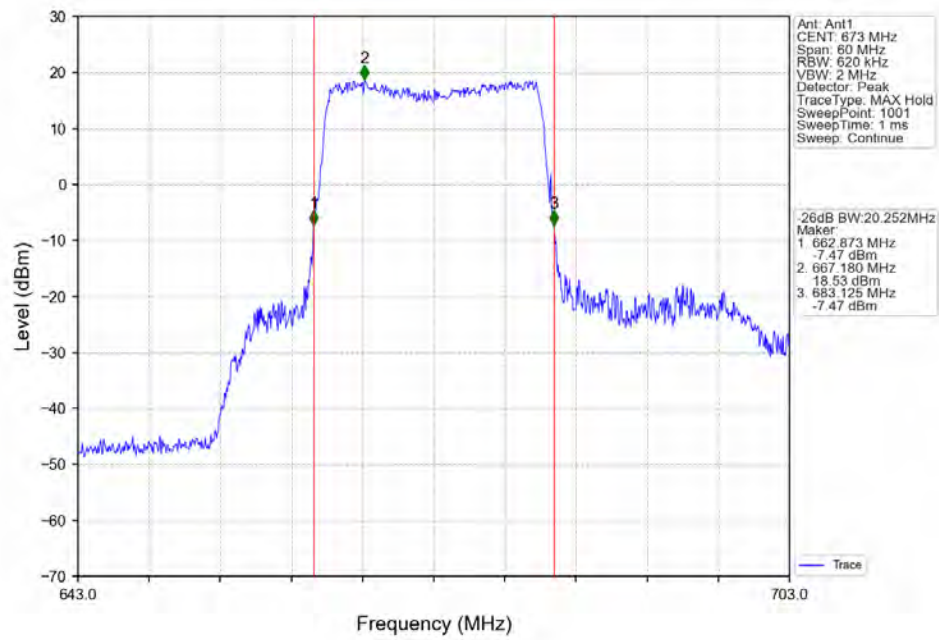
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



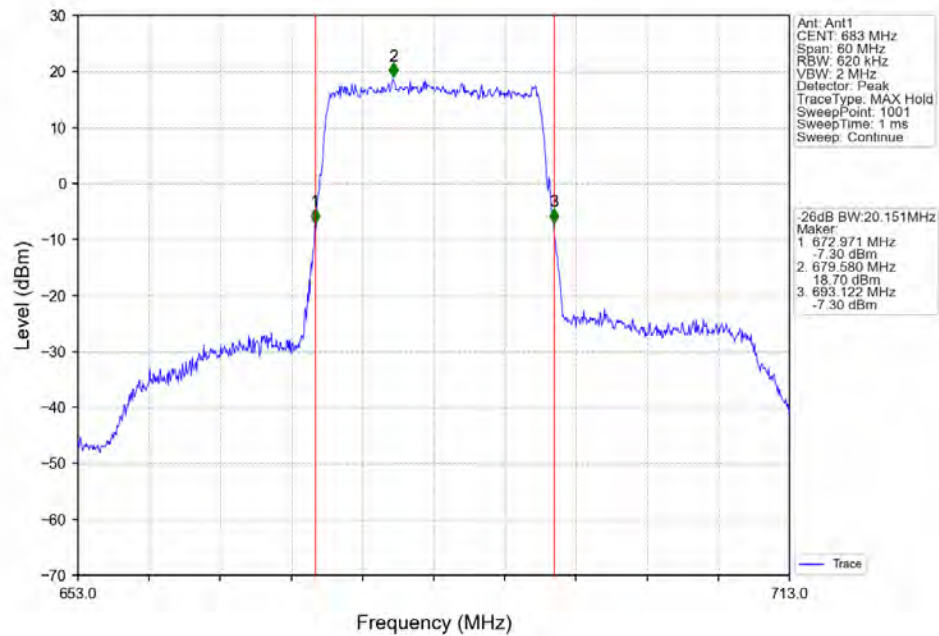
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



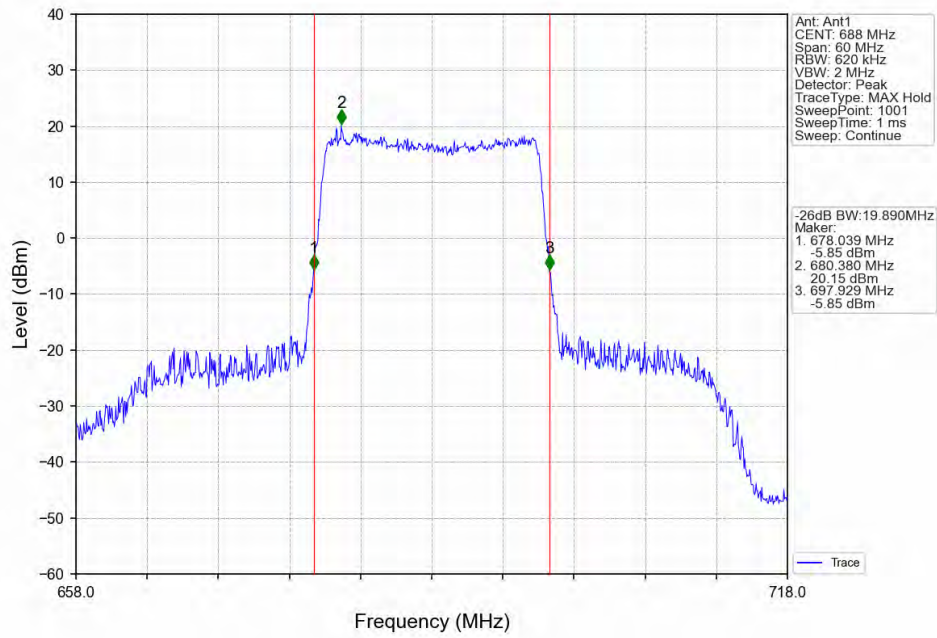
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



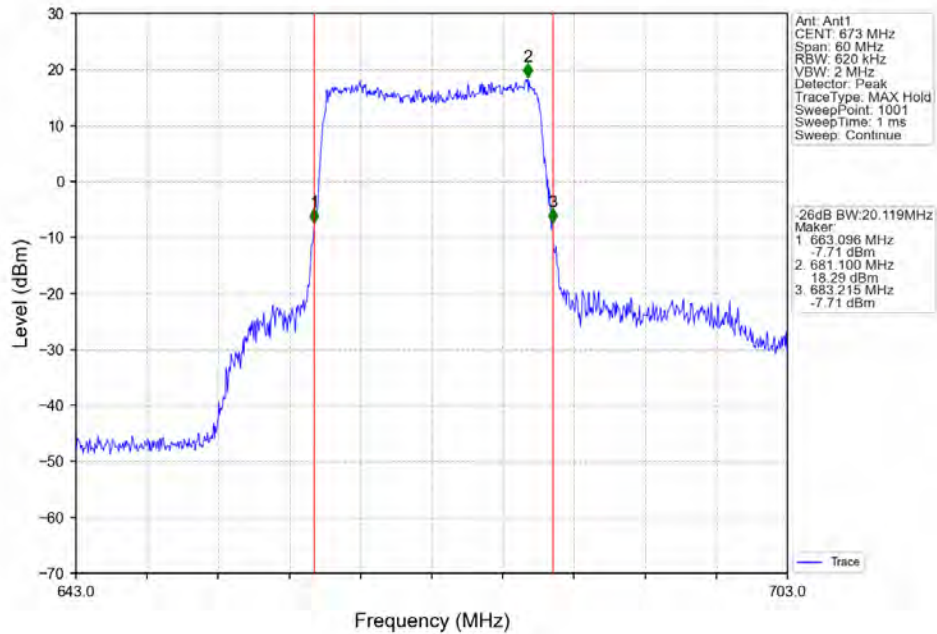
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



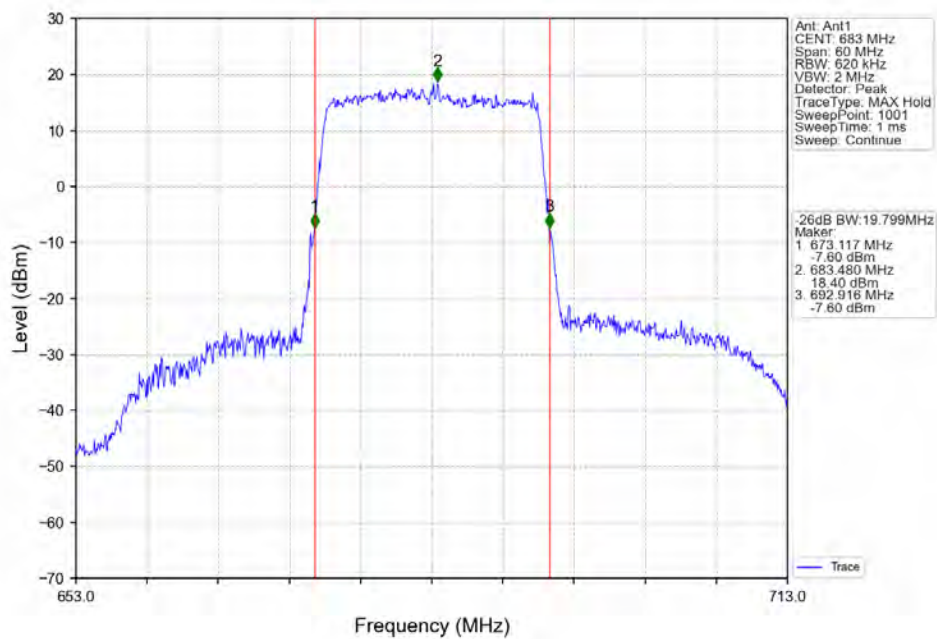
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



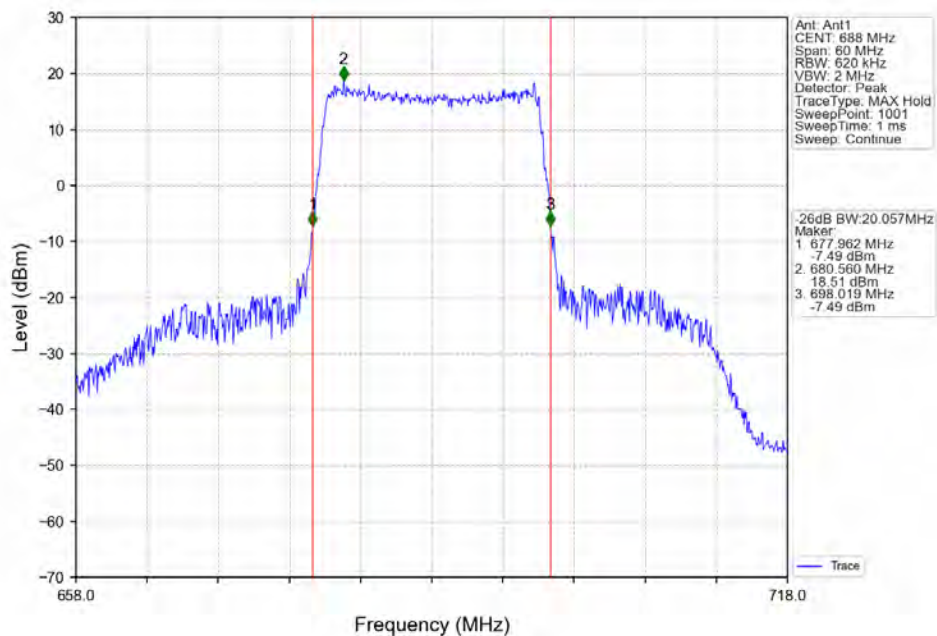
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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



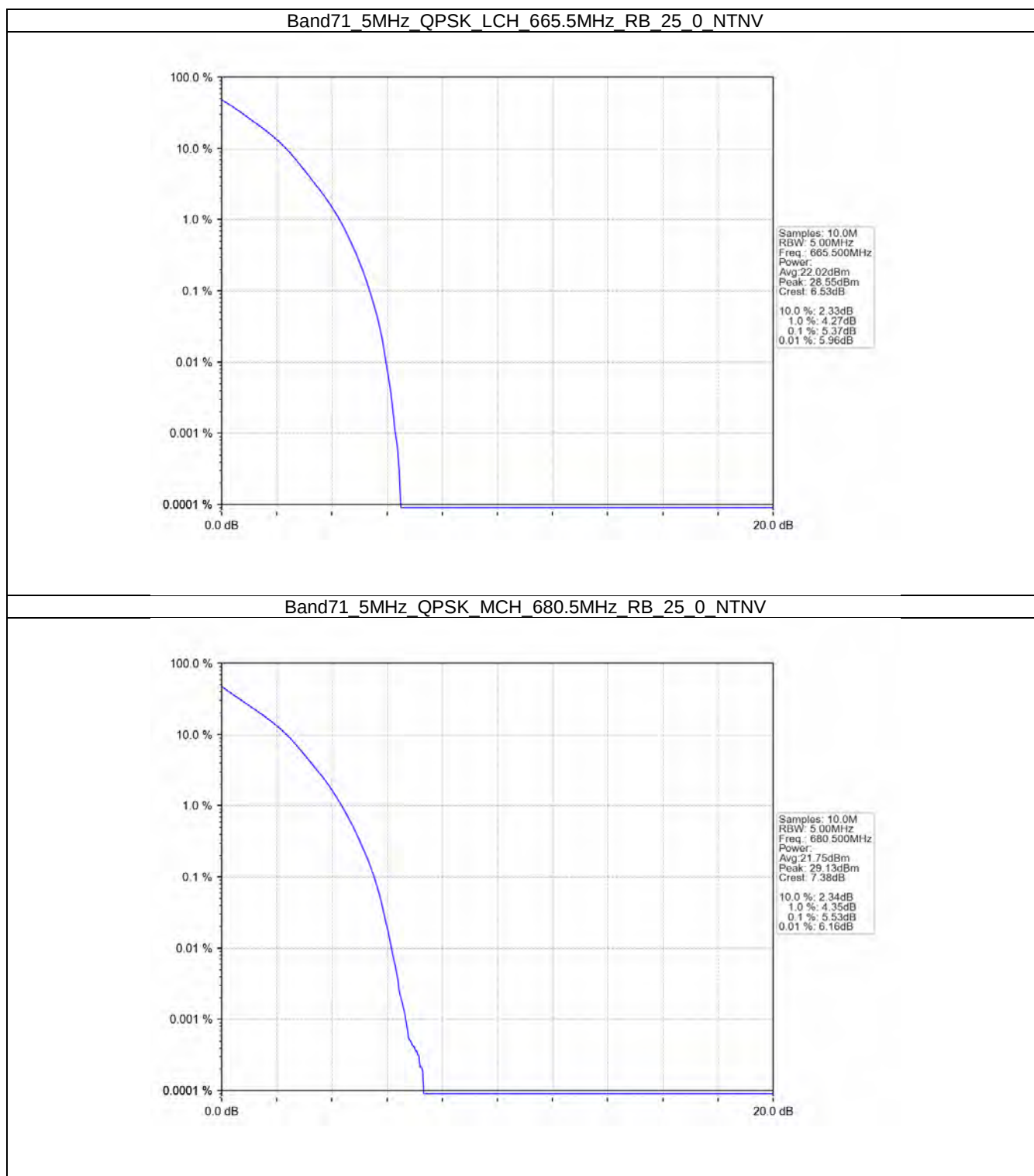
5. Peak-Average Ratio

5.1 B71_5MHz

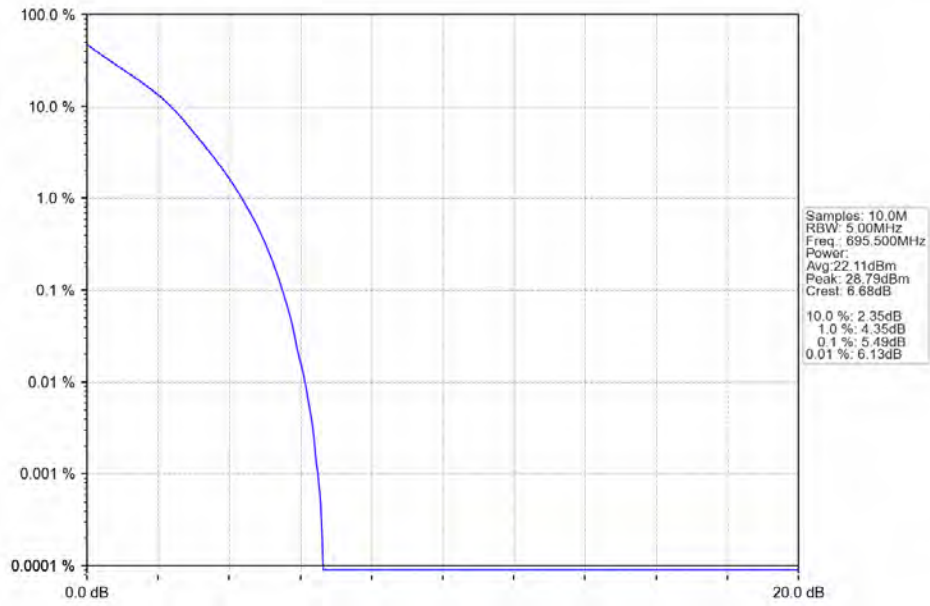
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.37	<=13	Pass
	680.5	25	0	5.53	<=13	Pass
	695.5	25	0	5.49	<=13	Pass
16QAM	665.5	25	0	6.14	<=13	Pass
	680.5	25	0	6.22	<=13	Pass
	695.5	25	0	6.17	<=13	Pass

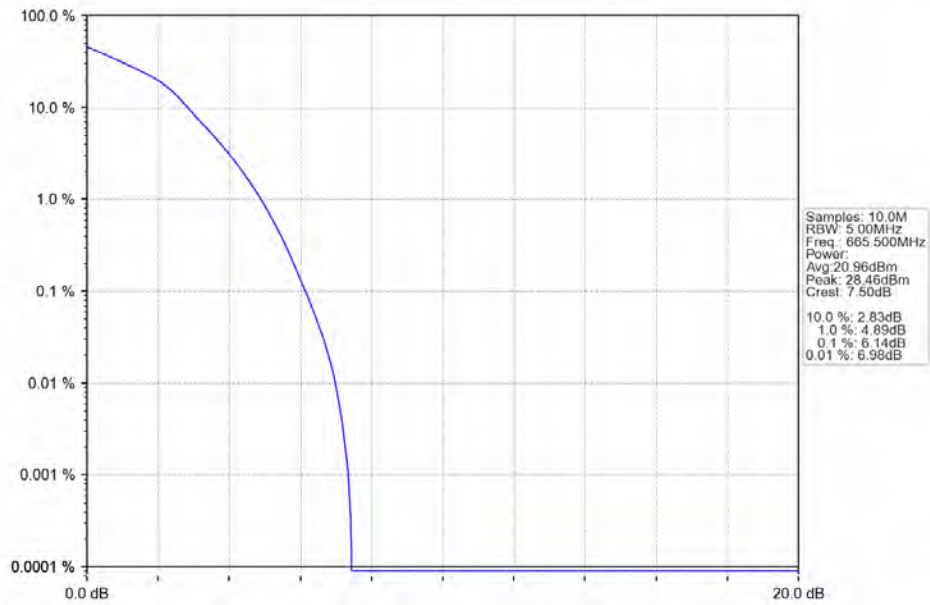
5.1.2 Test Graph



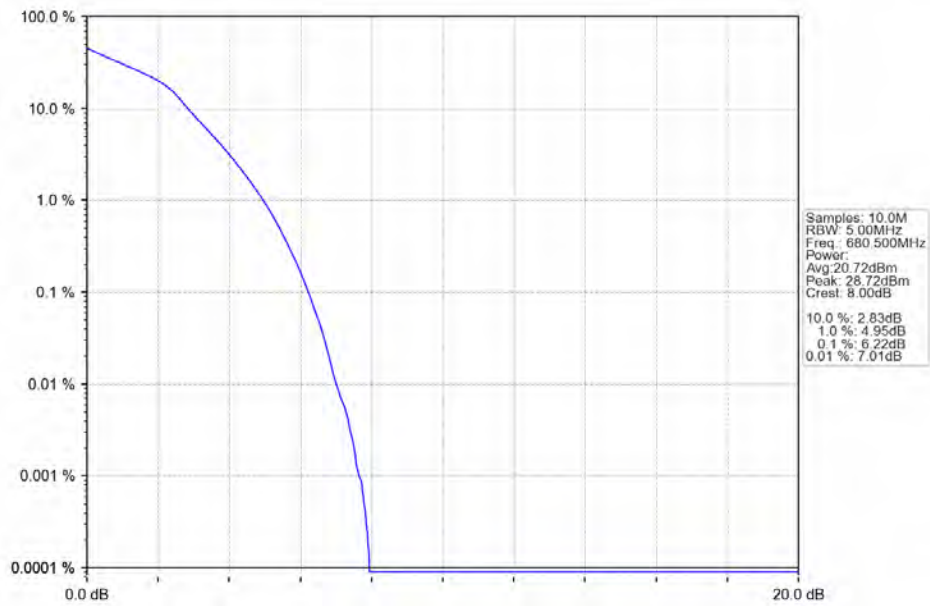
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTN



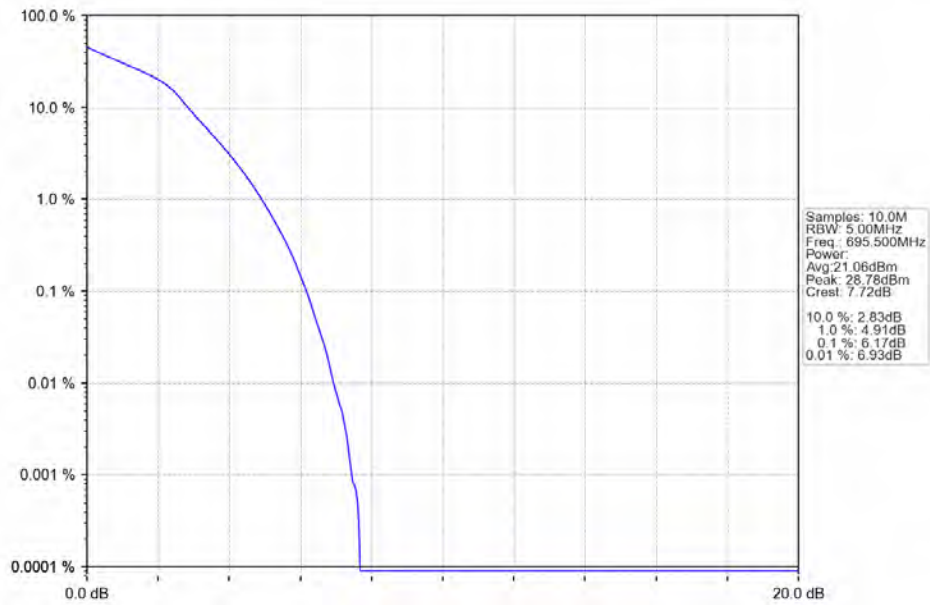
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTN



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



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

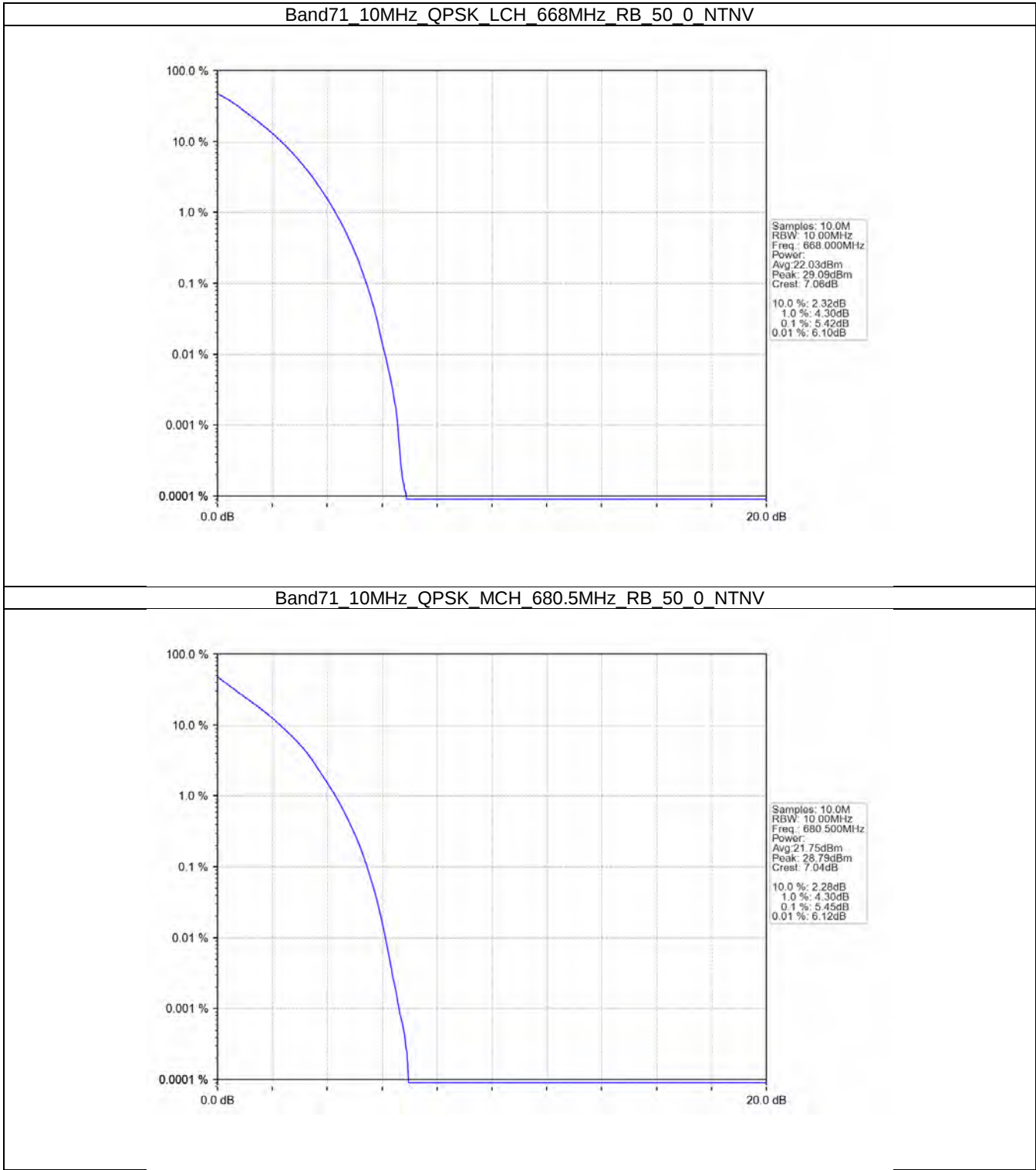


5.2 B71_10MHz

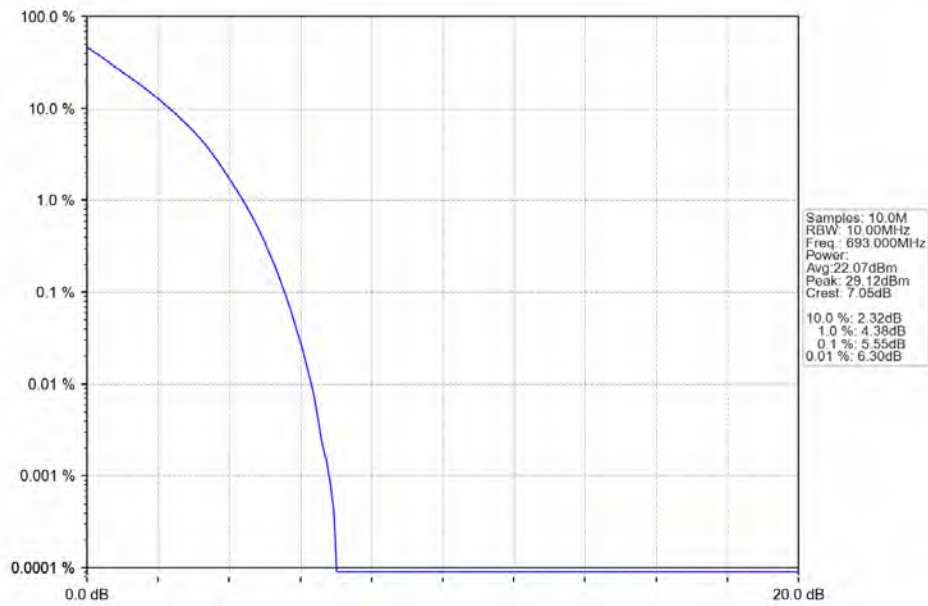
5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.42	<=13	Pass
	680.5	50	0	5.45	<=13	Pass
	693	50	0	5.55	<=13	Pass
16QAM	668	50	0	6.22	<=13	Pass
	680.5	50	0	6.25	<=13	Pass
	693	50	0	6.26	<=13	Pass

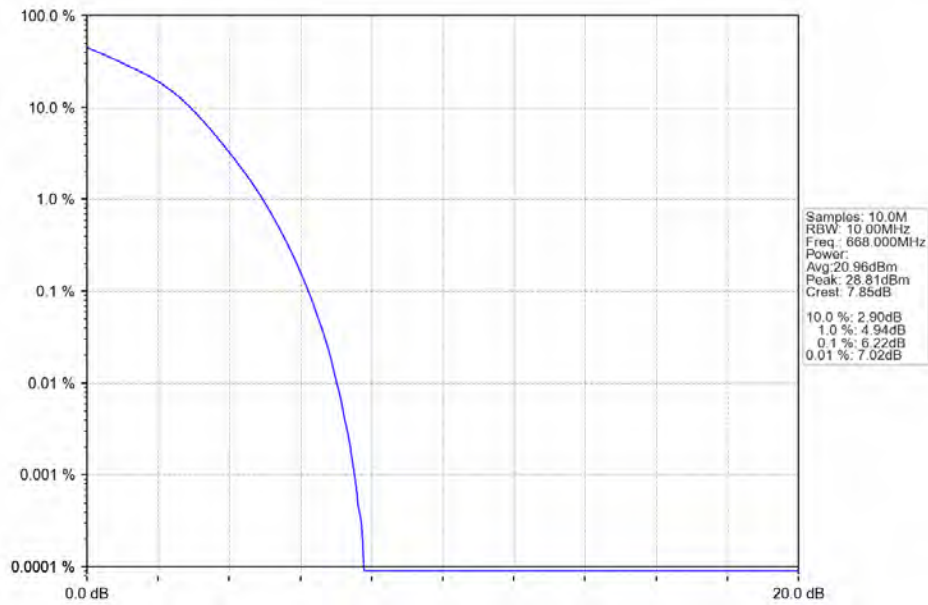
5.2.2 Test Graph



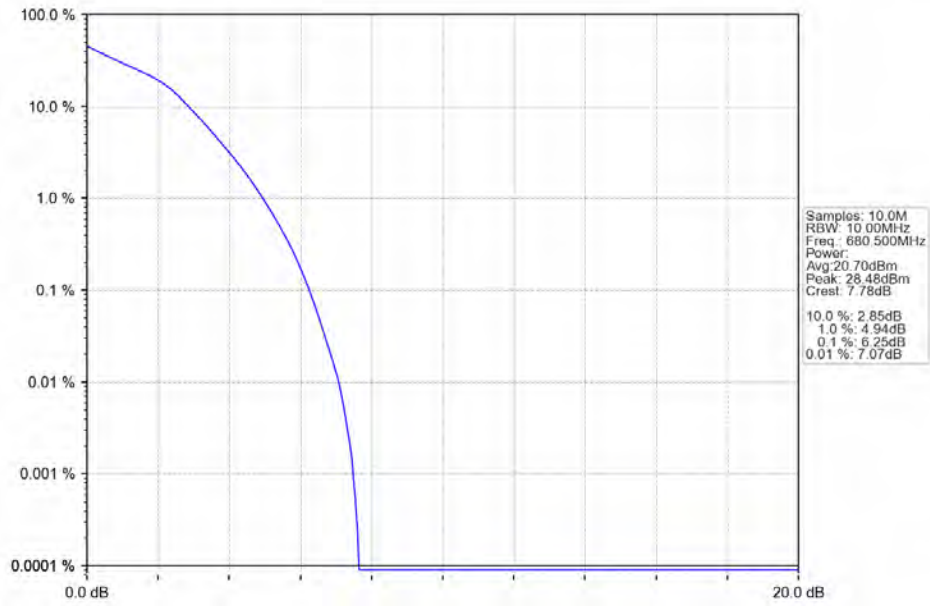
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



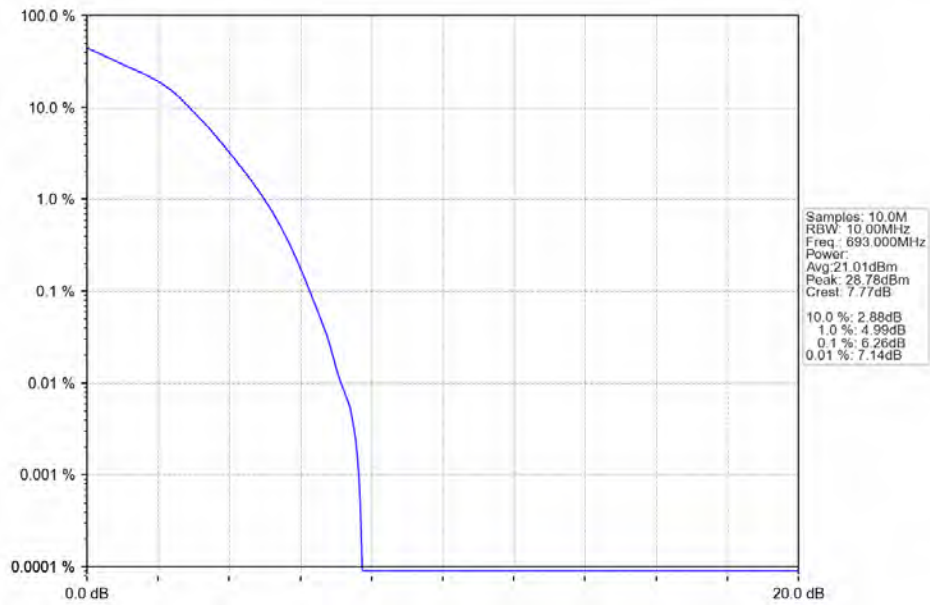
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



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



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

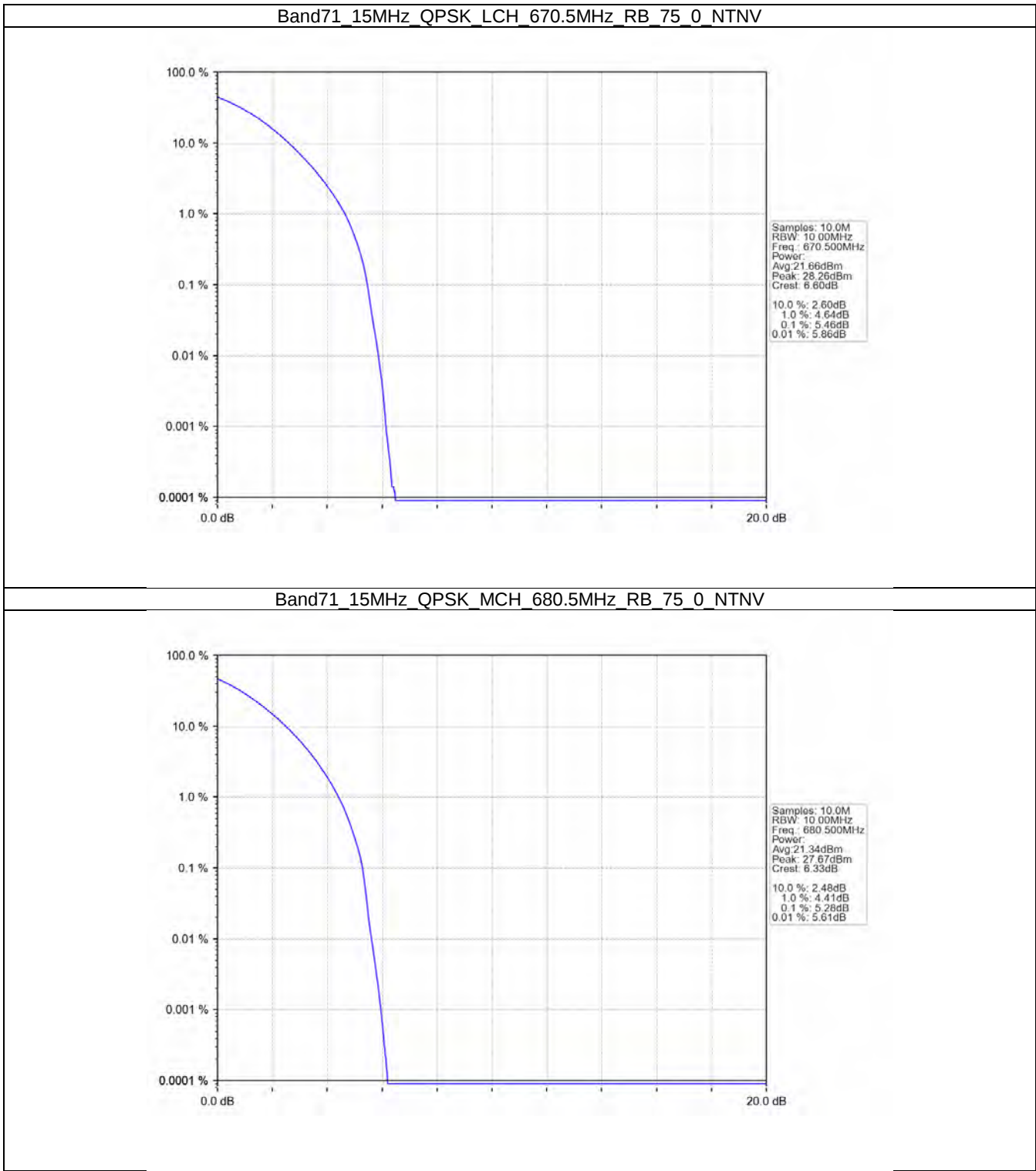


5.3 B71_15MHz

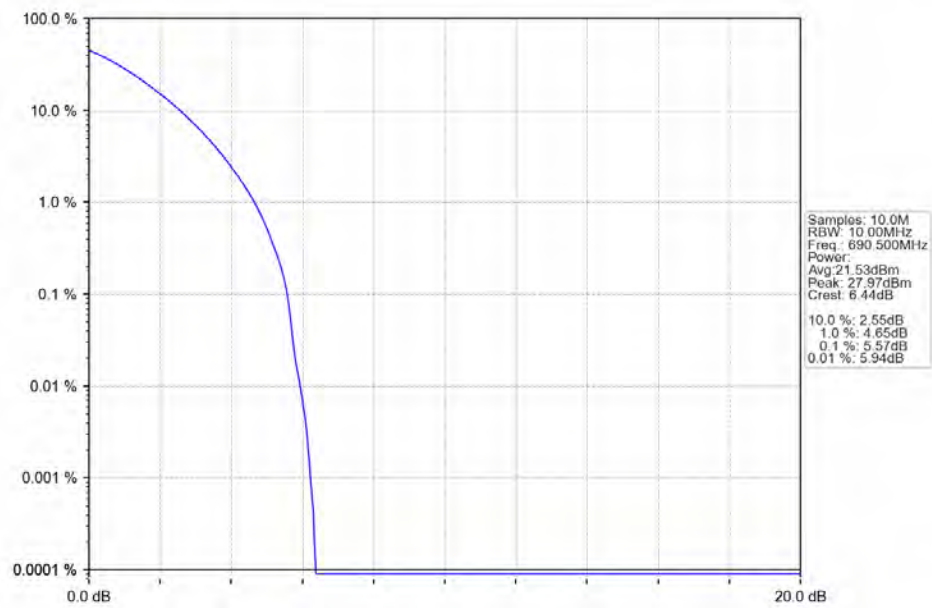
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.46	<=13	Pass
	680.5	75	0	5.28	<=13	Pass
	690.5	75	0	5.57	<=13	Pass
16QAM	670.5	75	0	6.22	<=13	Pass
	680.5	75	0	6.07	<=13	Pass
	690.5	75	0	6.22	<=13	Pass

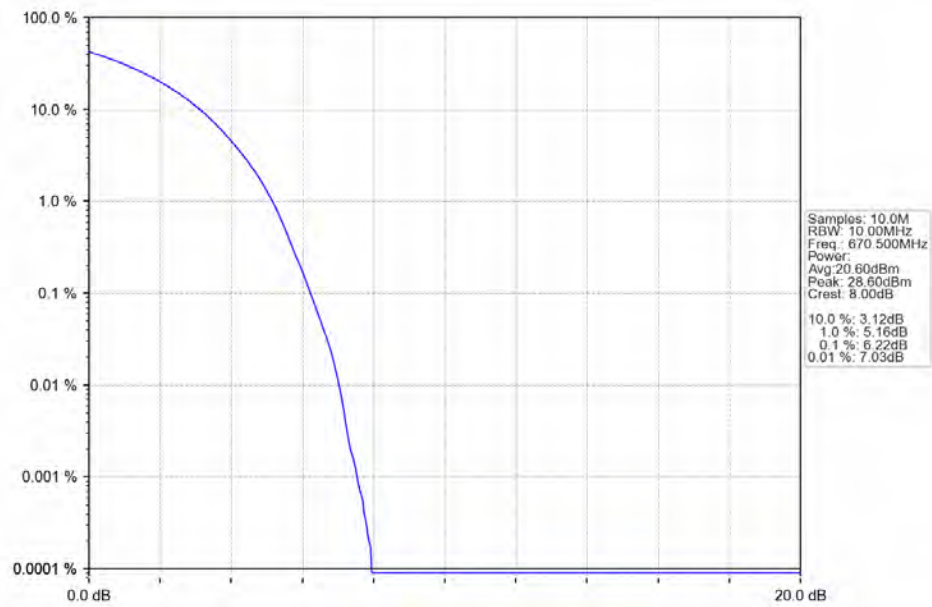
5.3.2 Test Graph



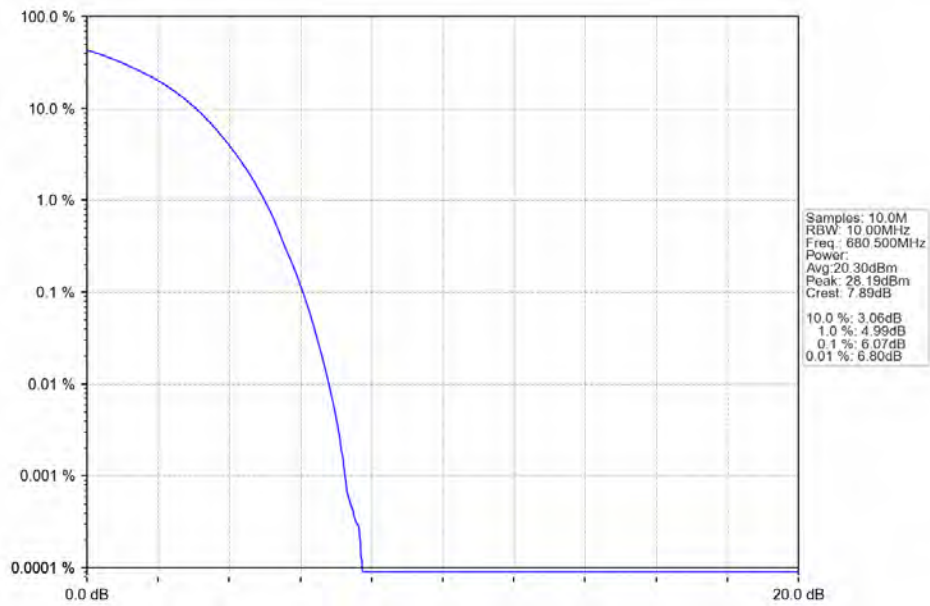
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



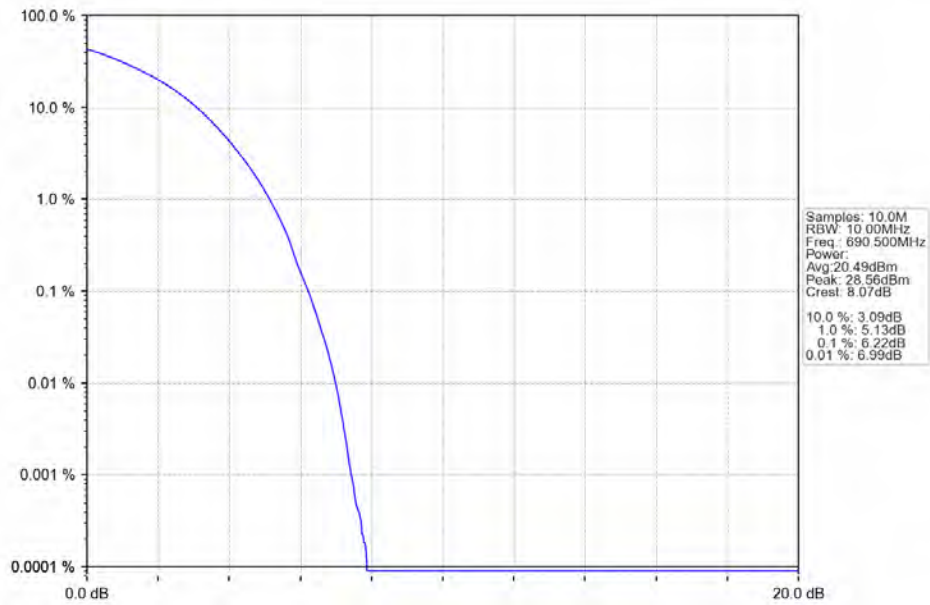
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV

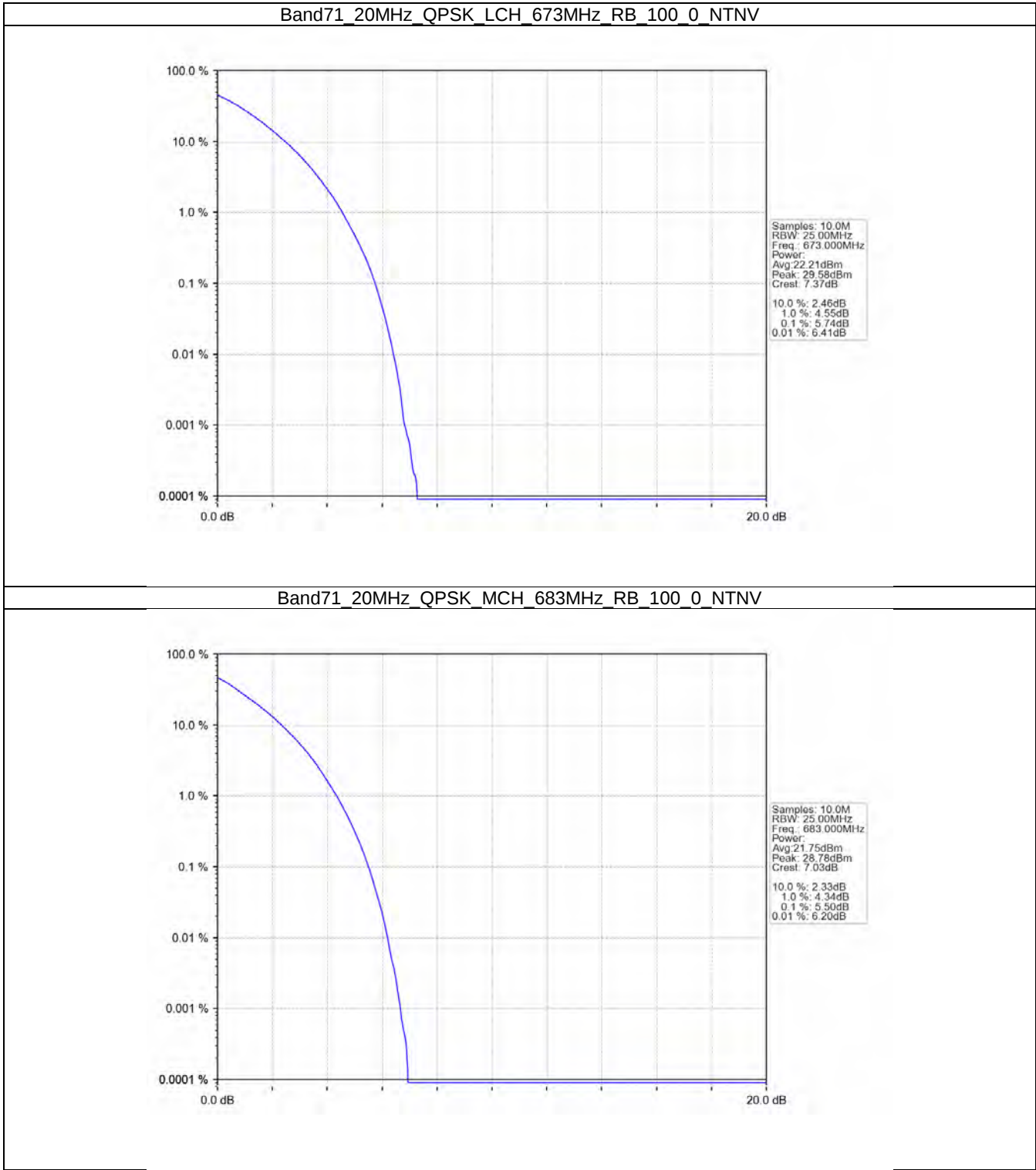


5.4 B71_20MHz

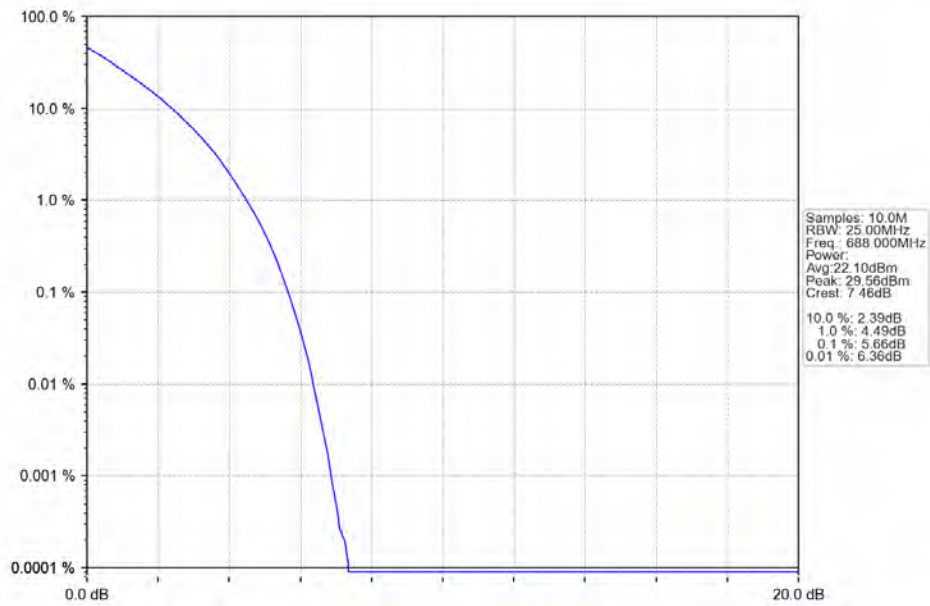
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.74	<=13	Pass
	683	100	0	5.50	<=13	Pass
	688	100	0	5.66	<=13	Pass
16QAM	673	100	0	6.40	<=13	Pass
	683	100	0	6.27	<=13	Pass
	688	100	0	6.39	<=13	Pass

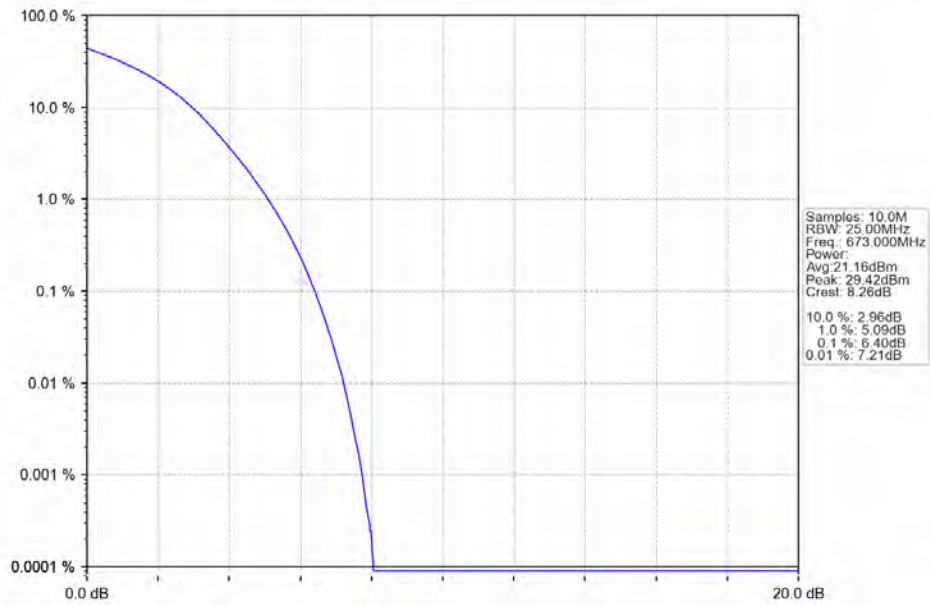
5.4.2 Test Graph



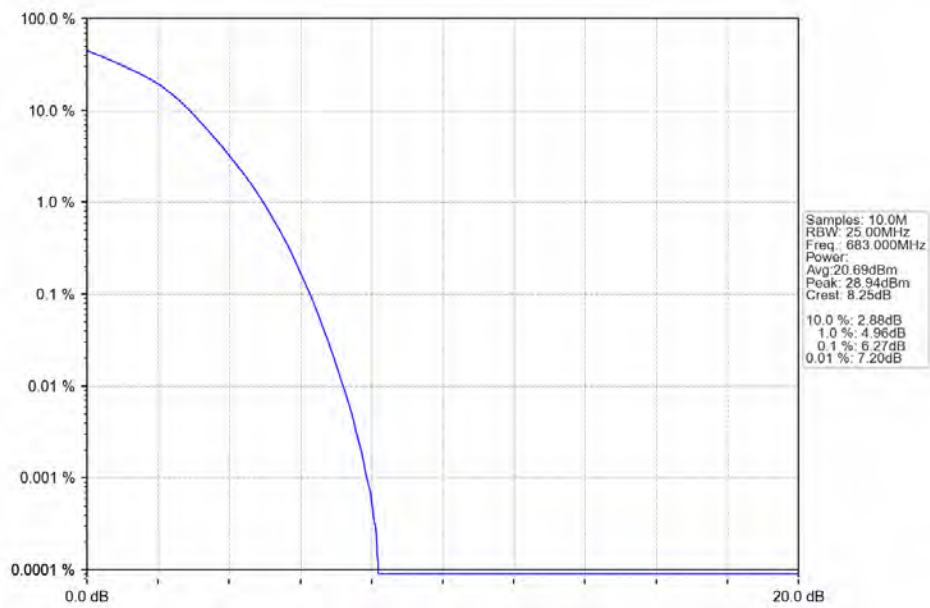
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



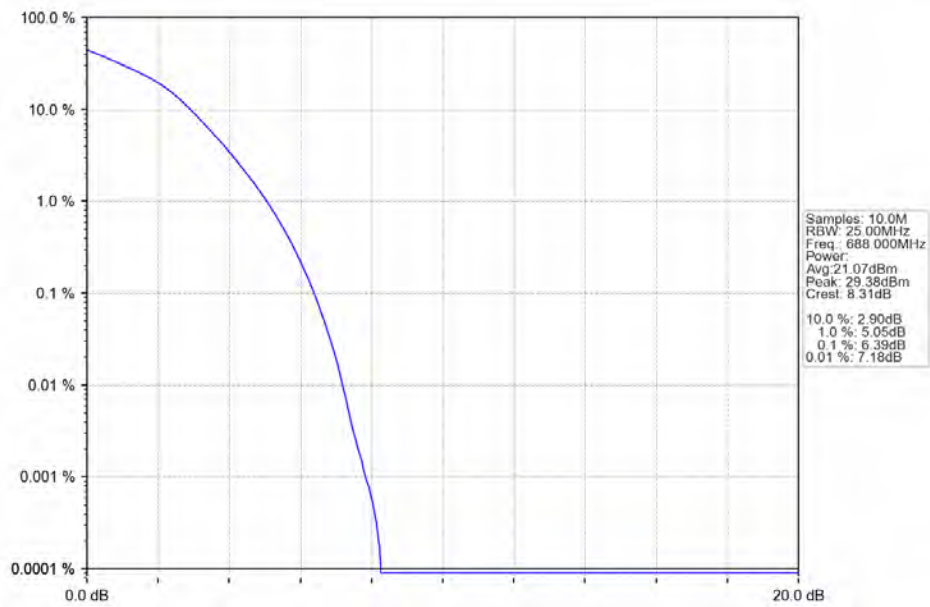
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



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



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



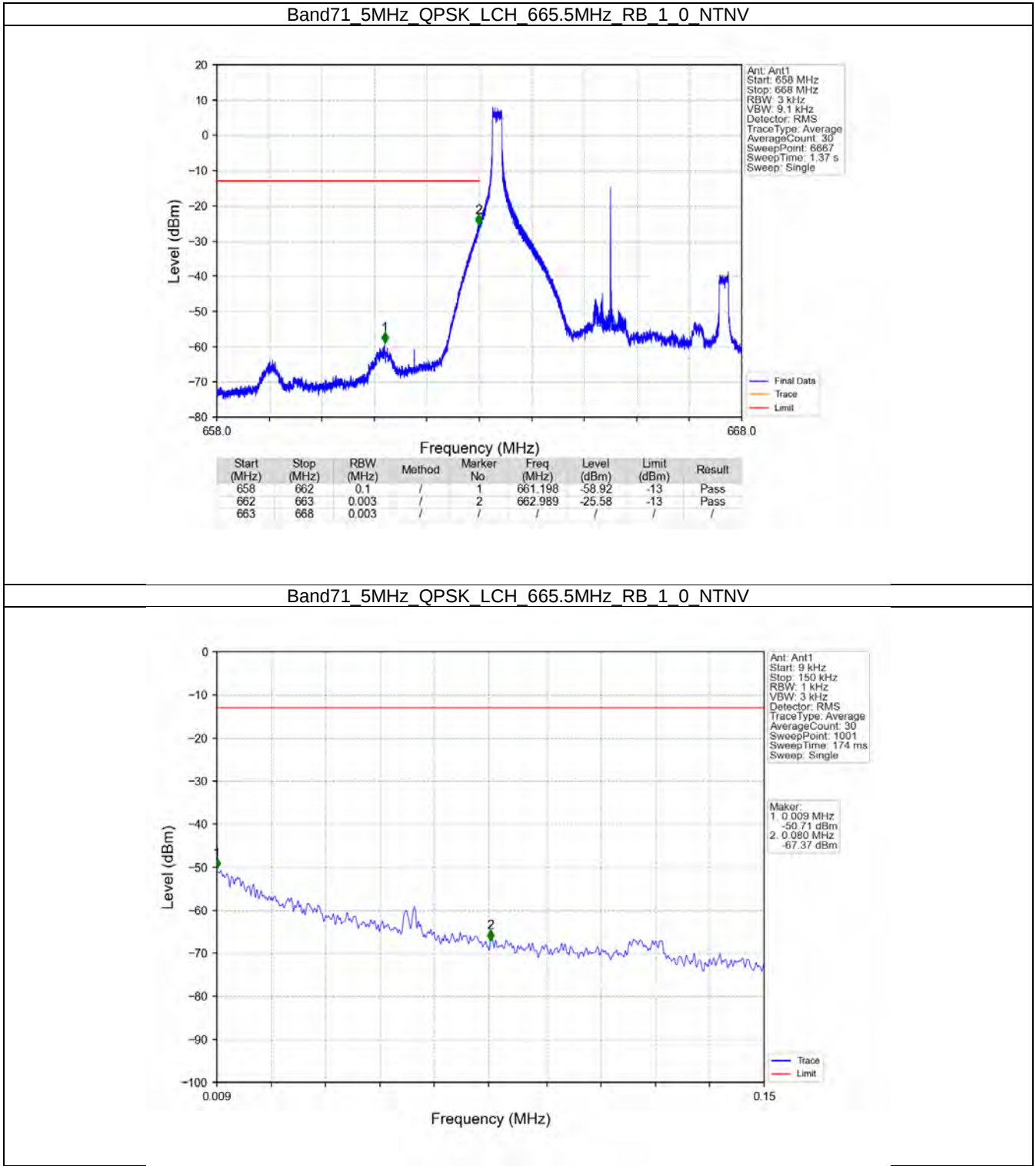
6. Spurious Emission

6.1 B71_5MHz

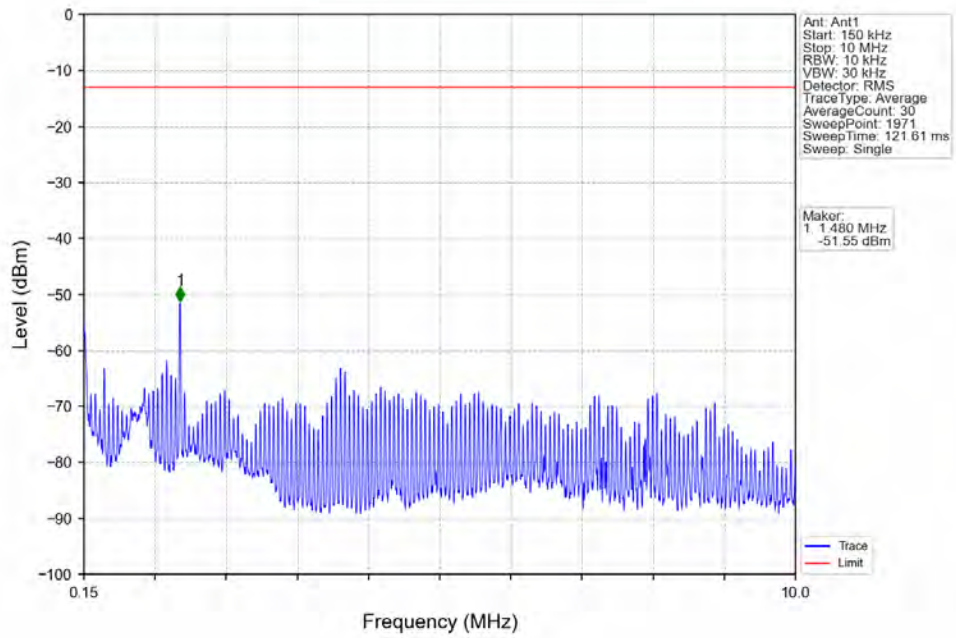
6.1.1 Test Result

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
		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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

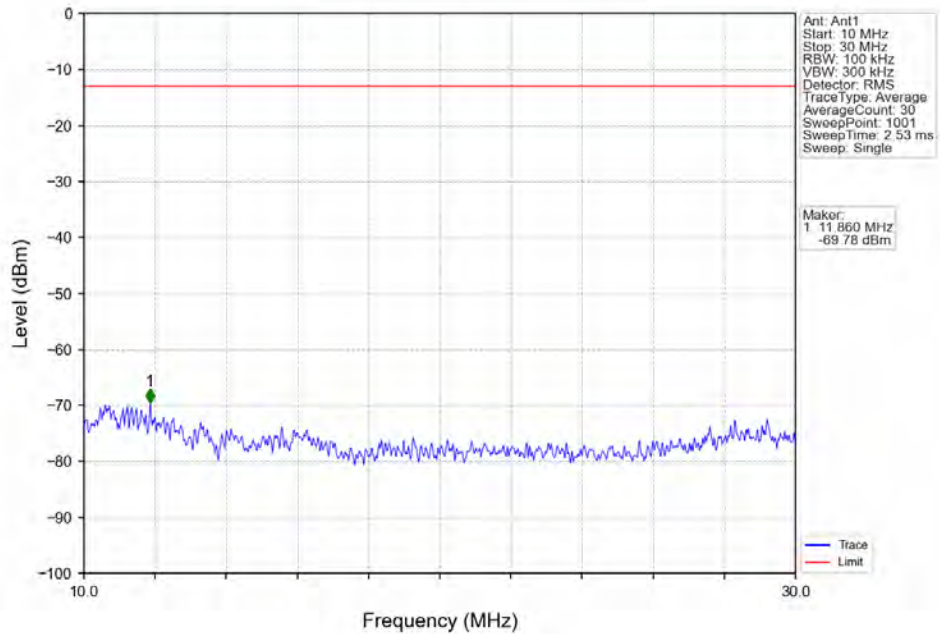
6.1.2 Test Graph



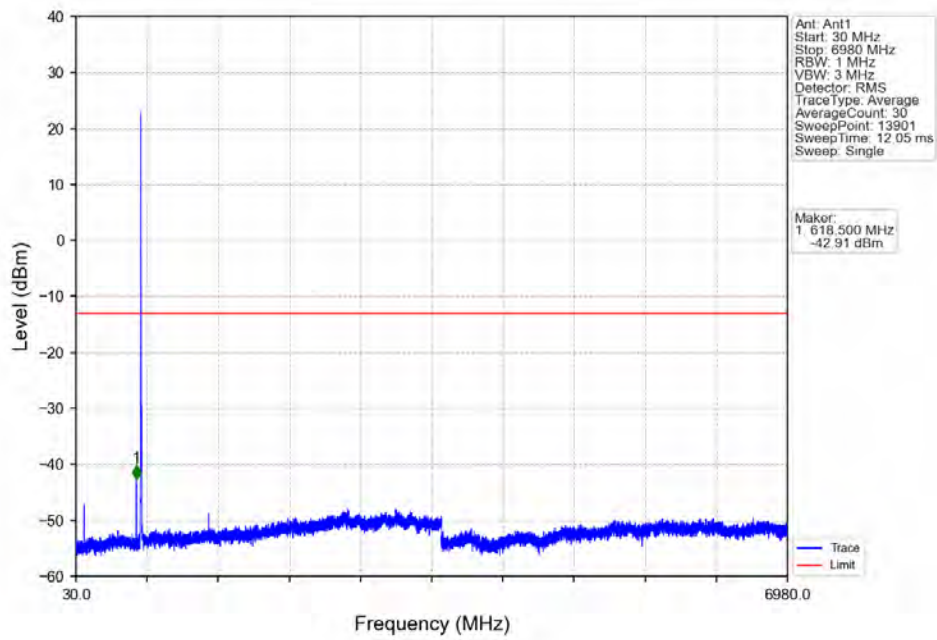
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



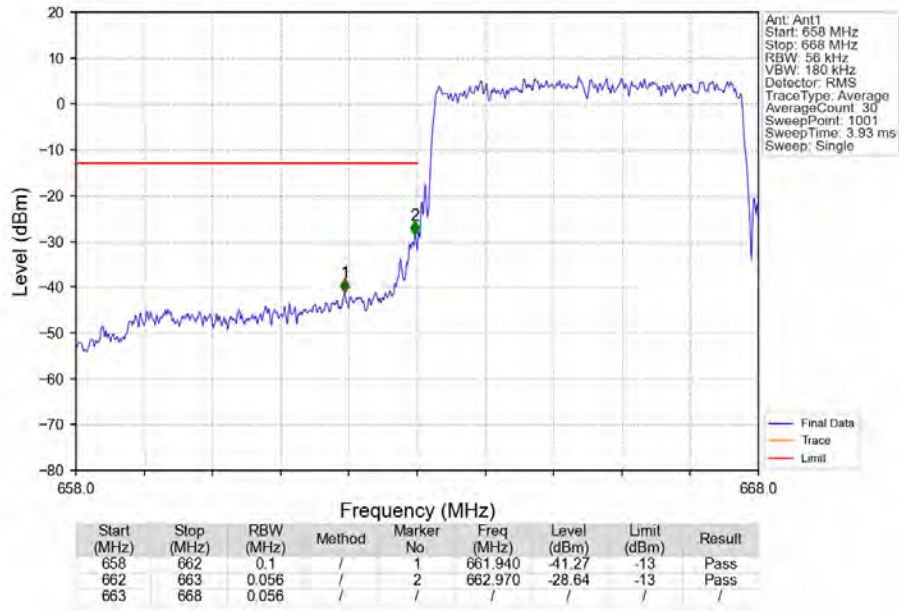
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



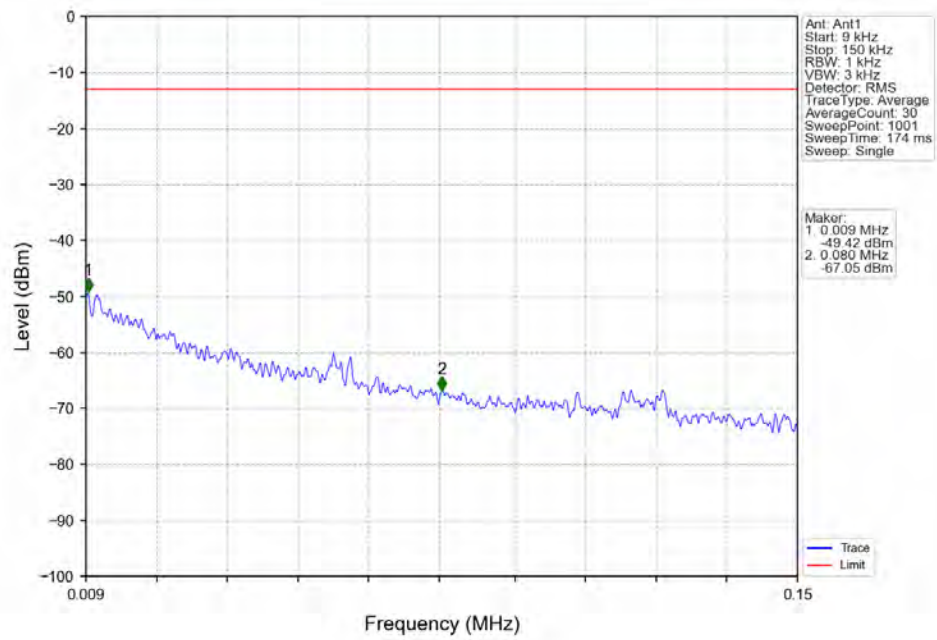
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



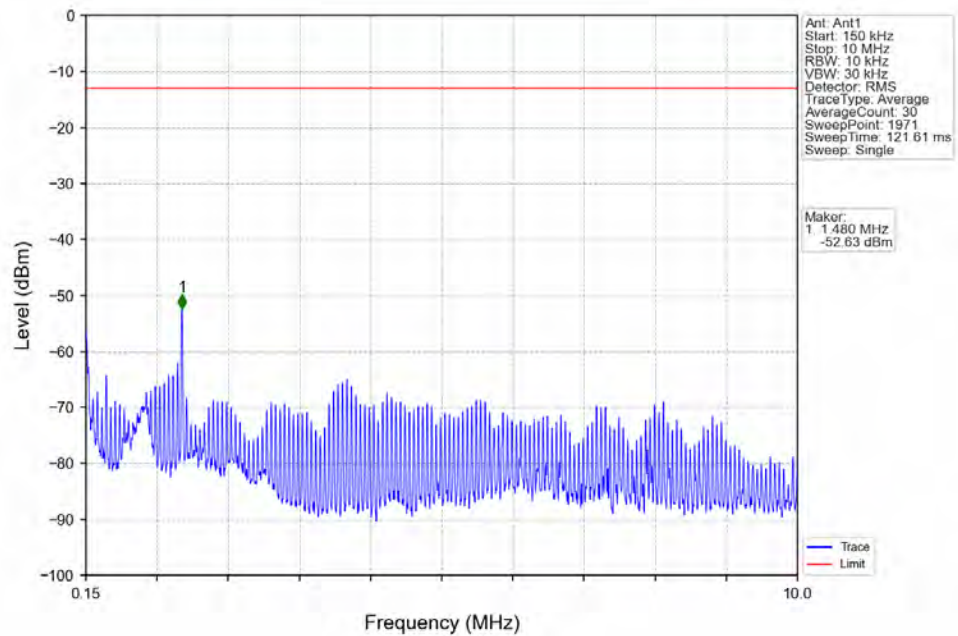
Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV



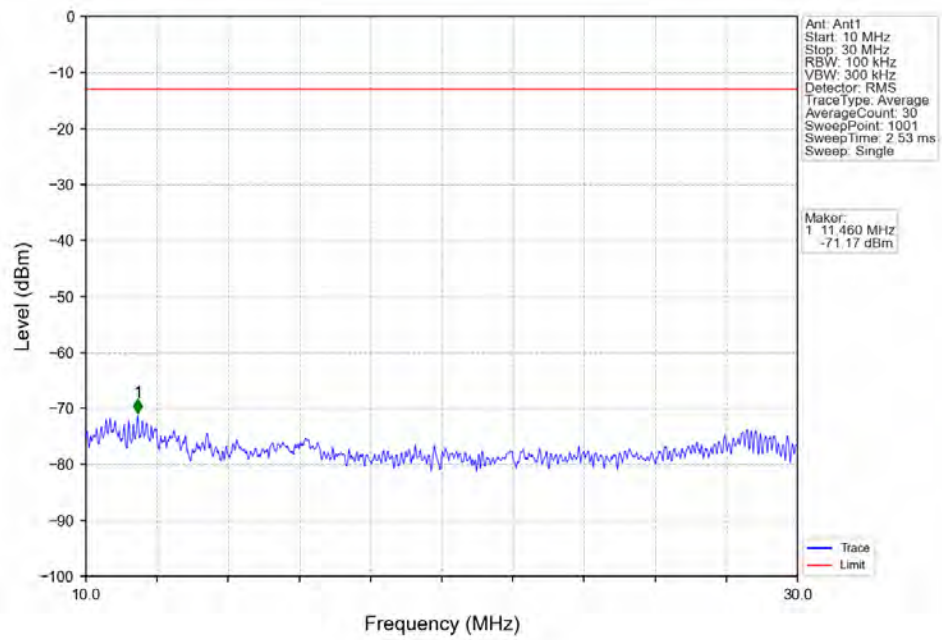
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



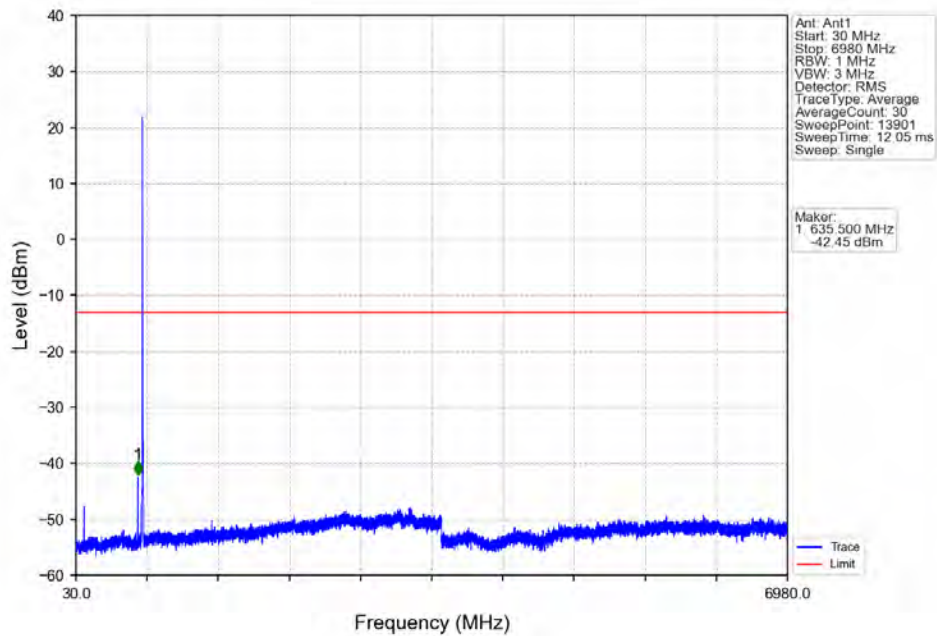
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



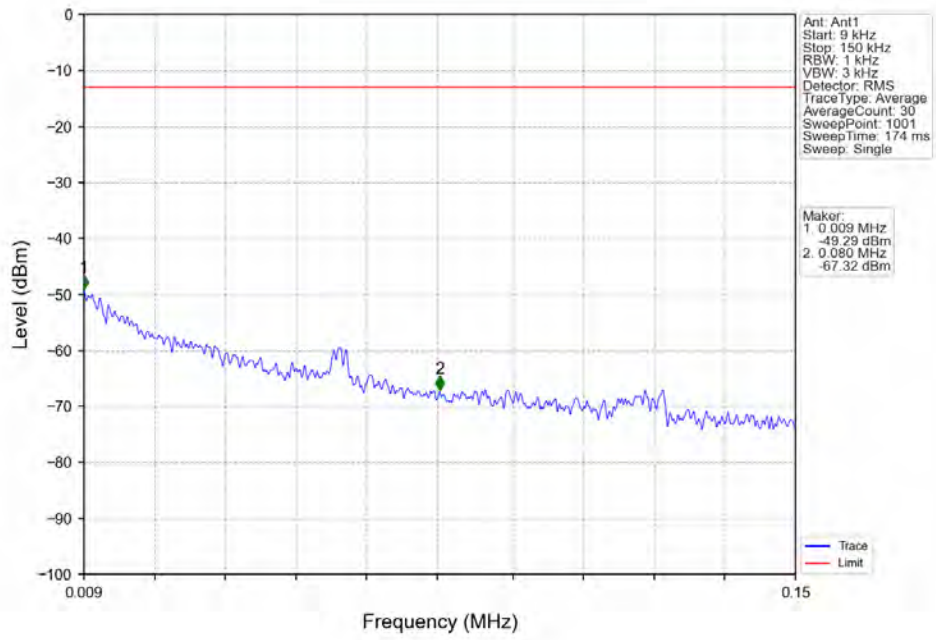
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



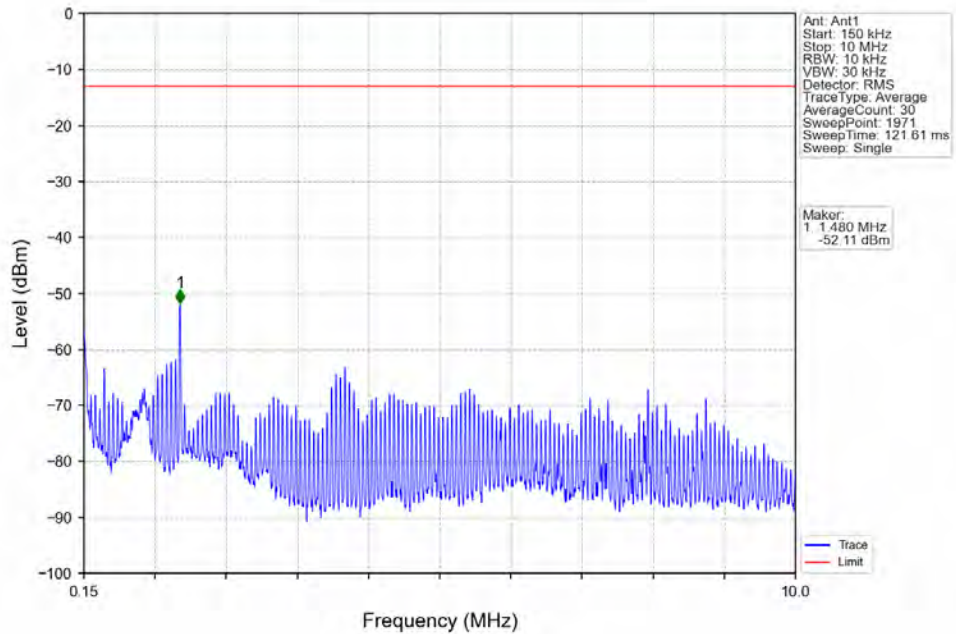
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



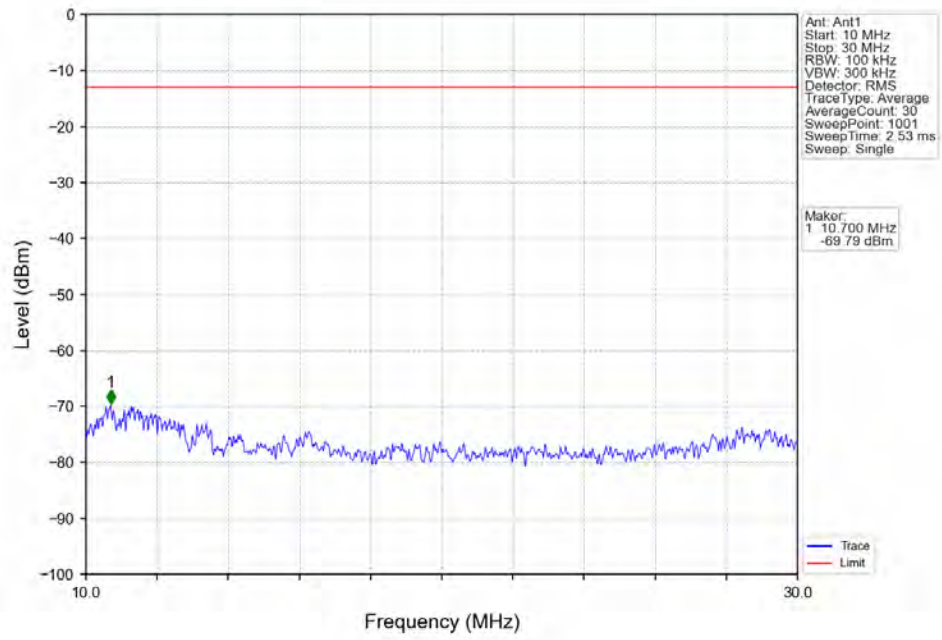
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



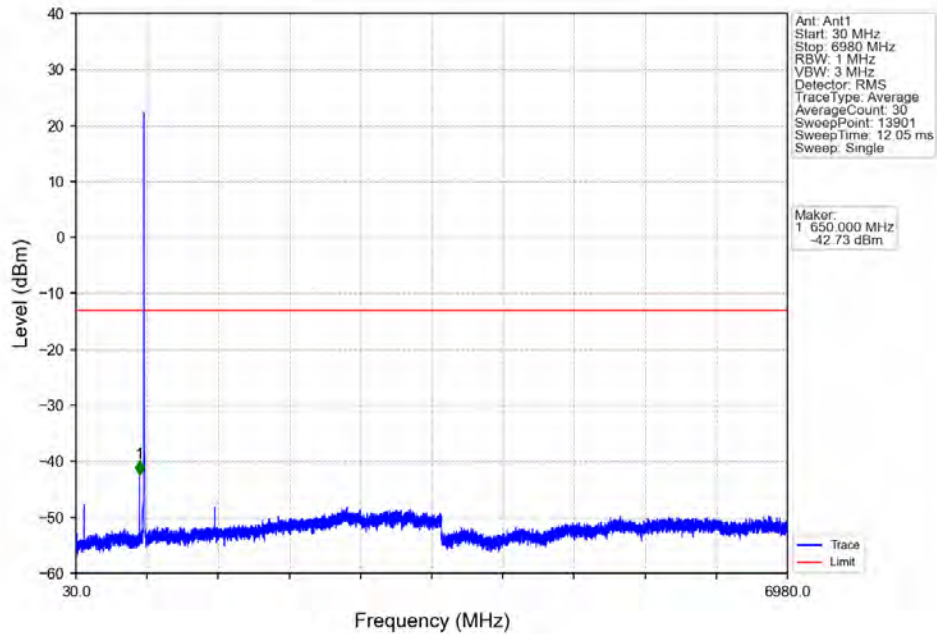
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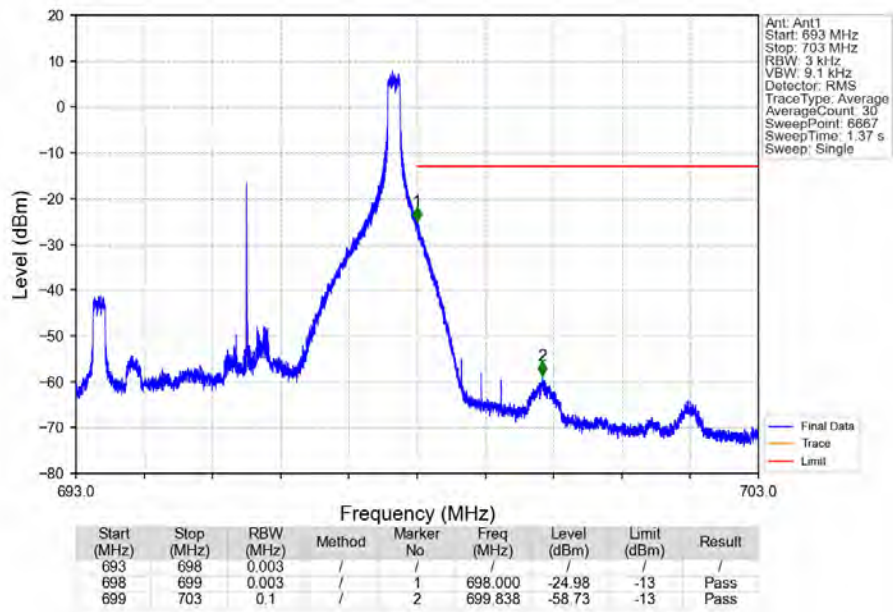
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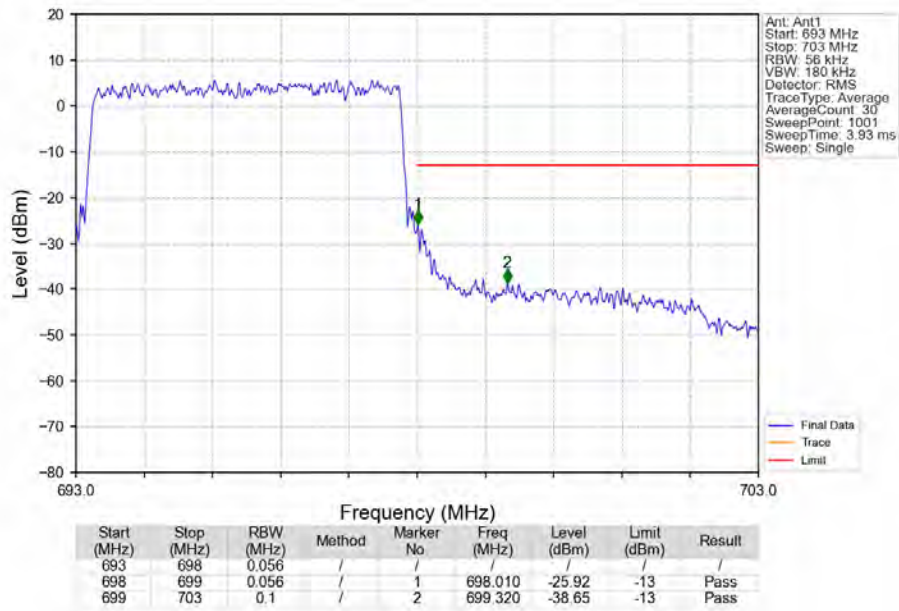
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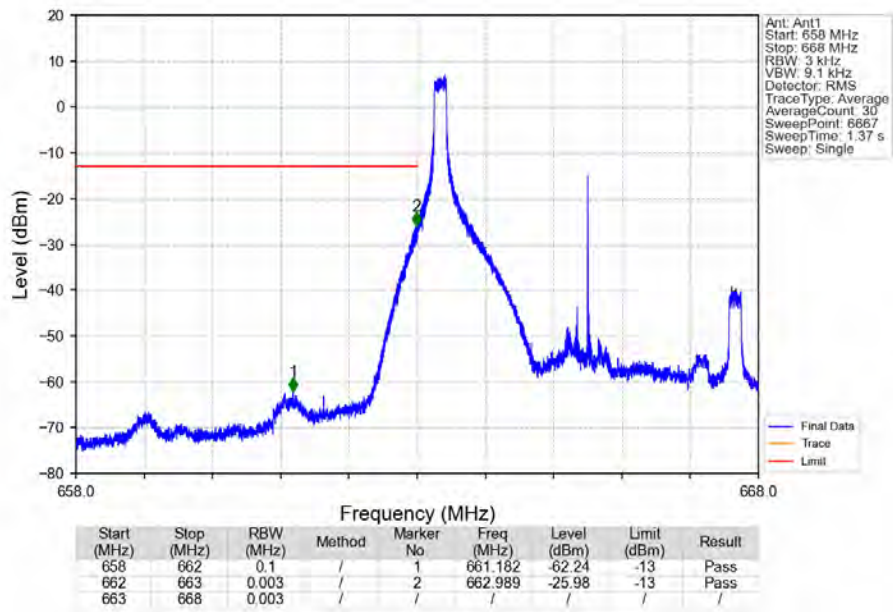
Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



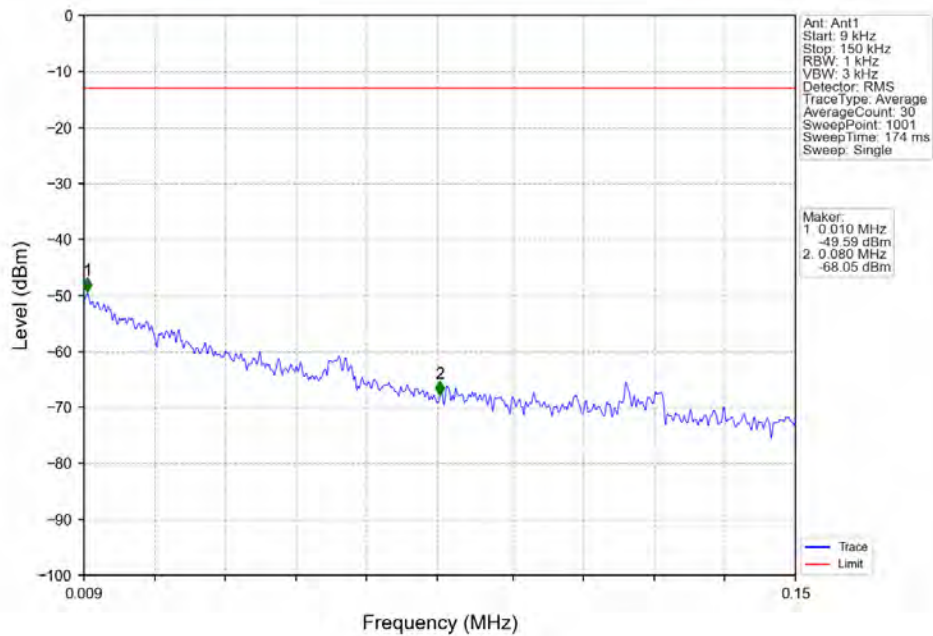
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



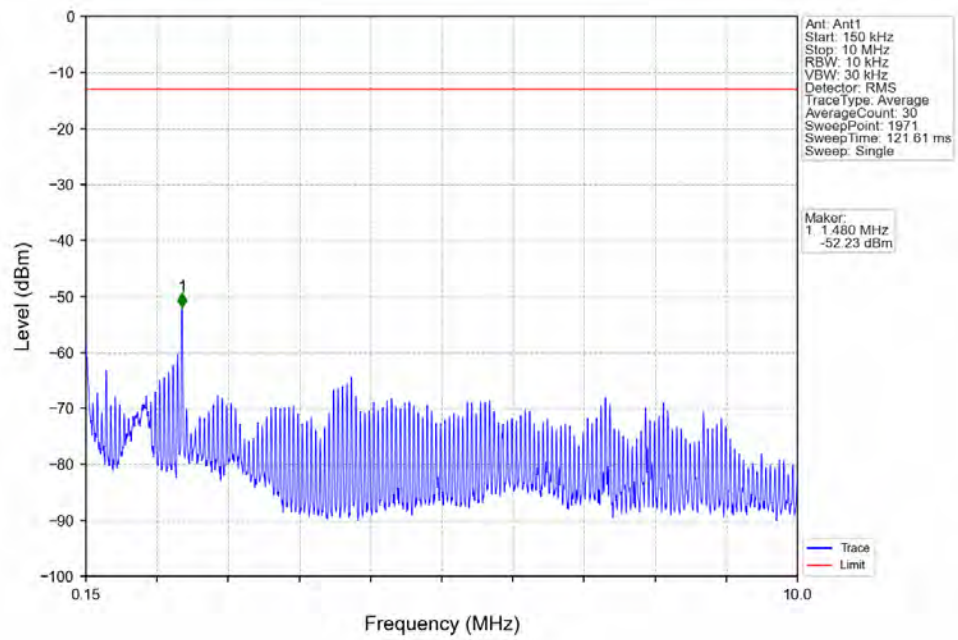
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV



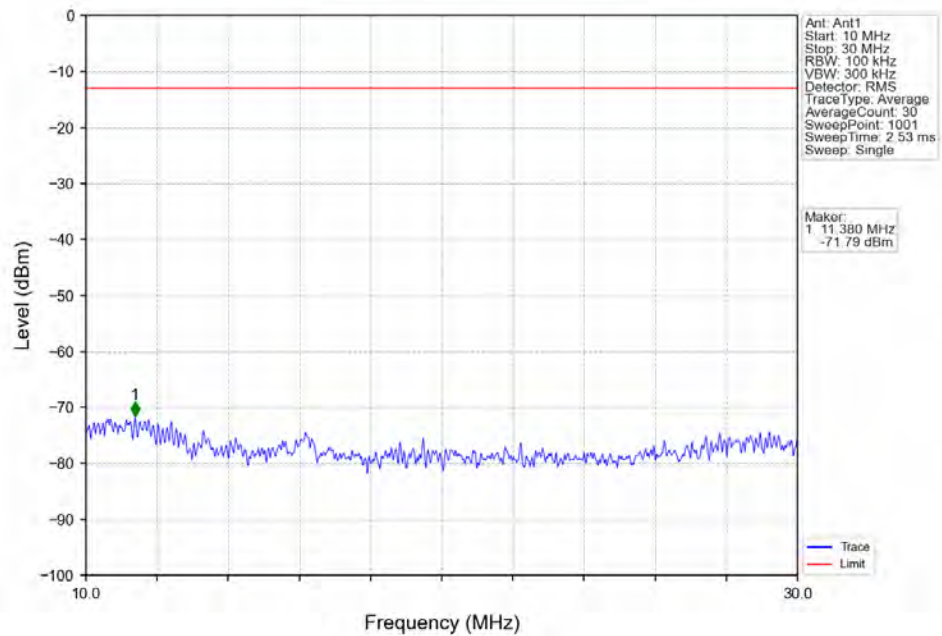
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV



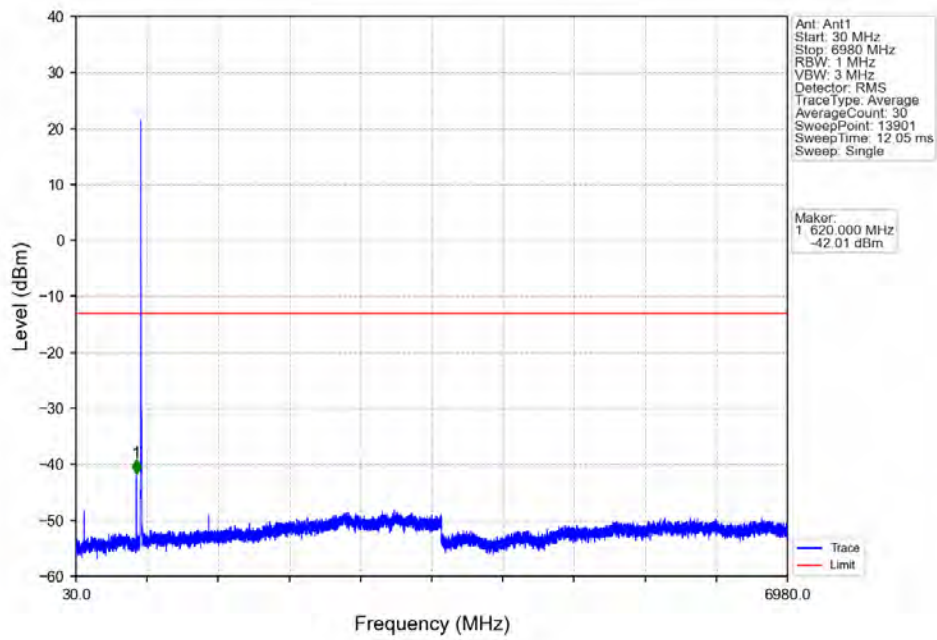
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



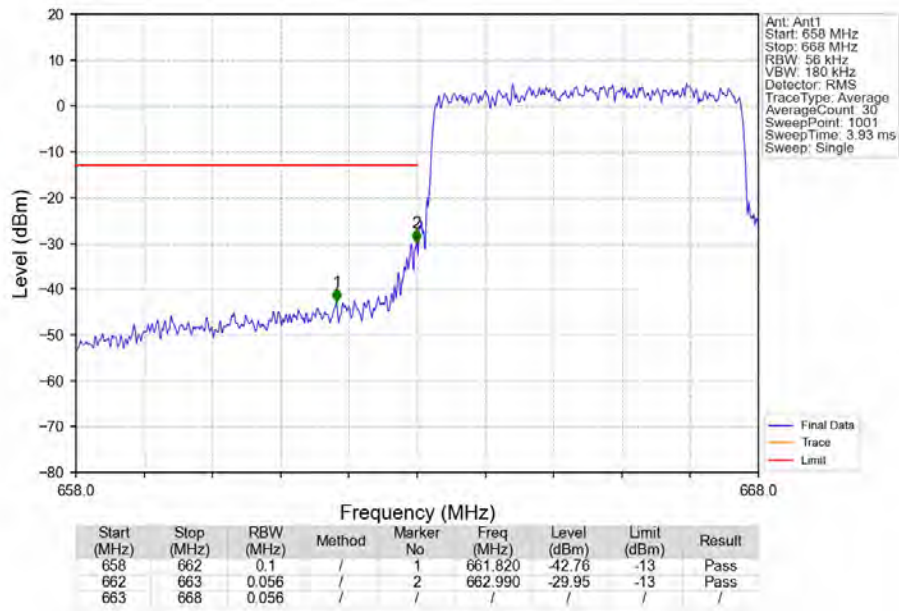
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



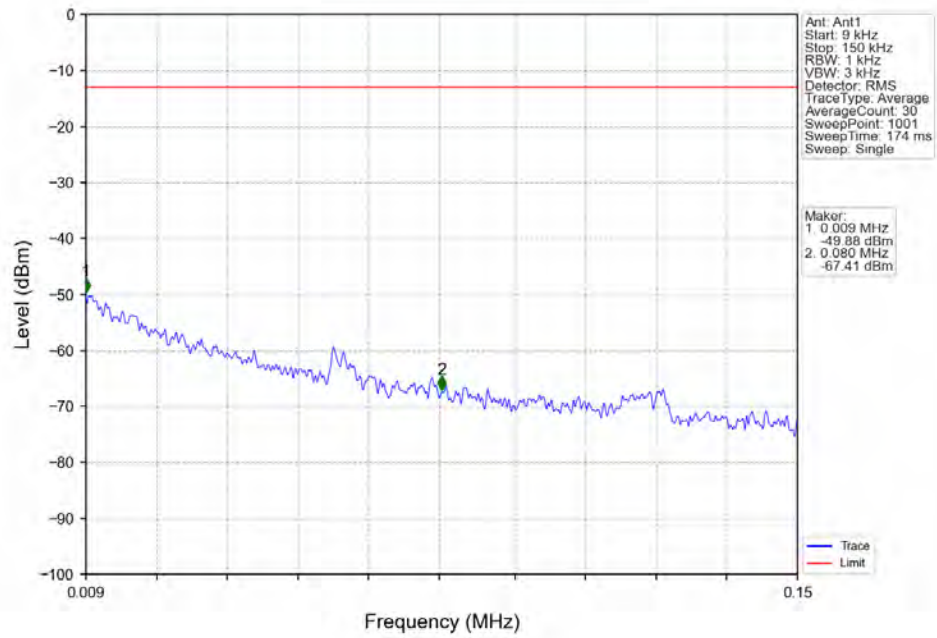
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



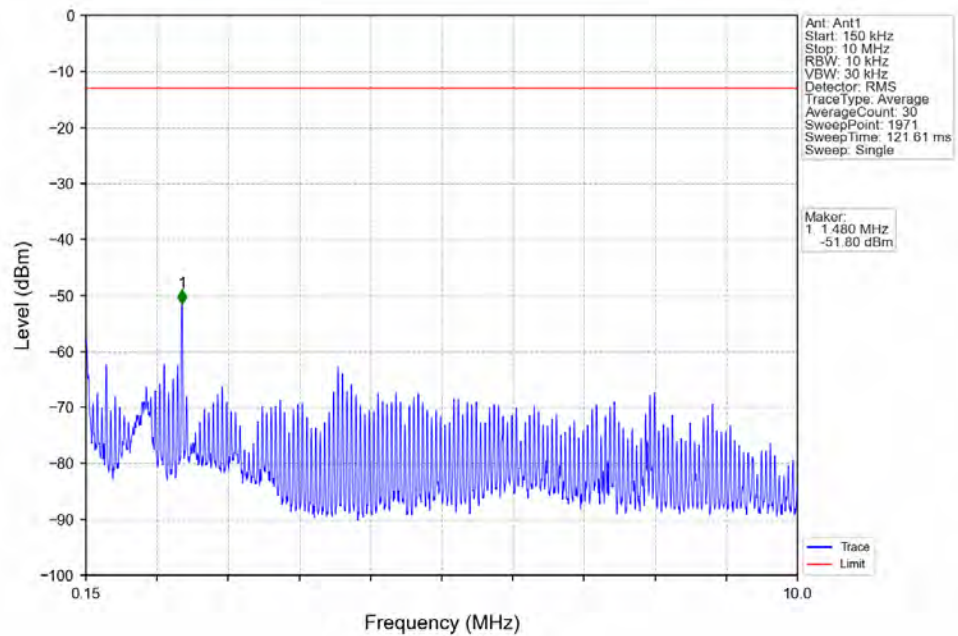
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



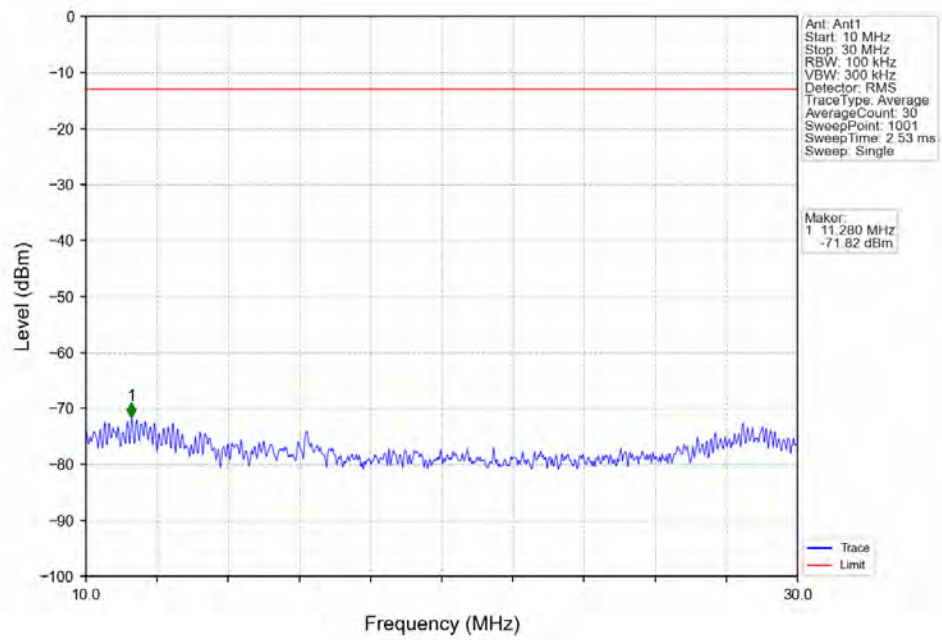
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



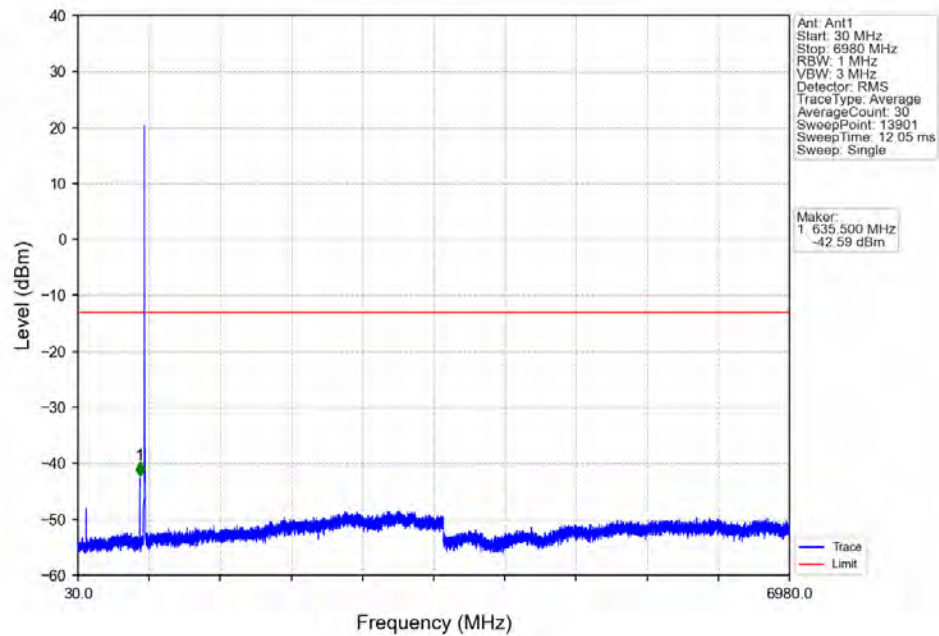
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



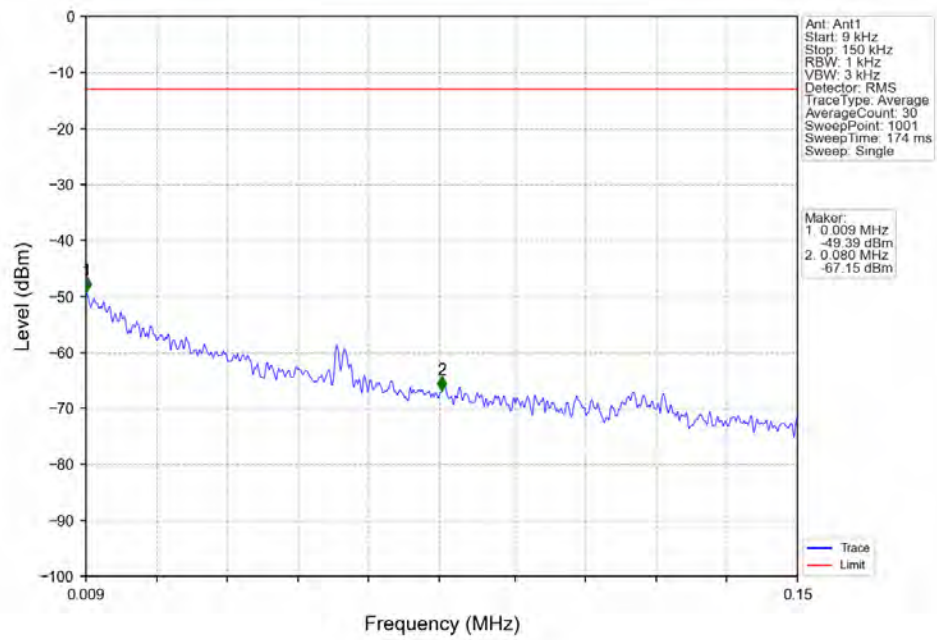
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



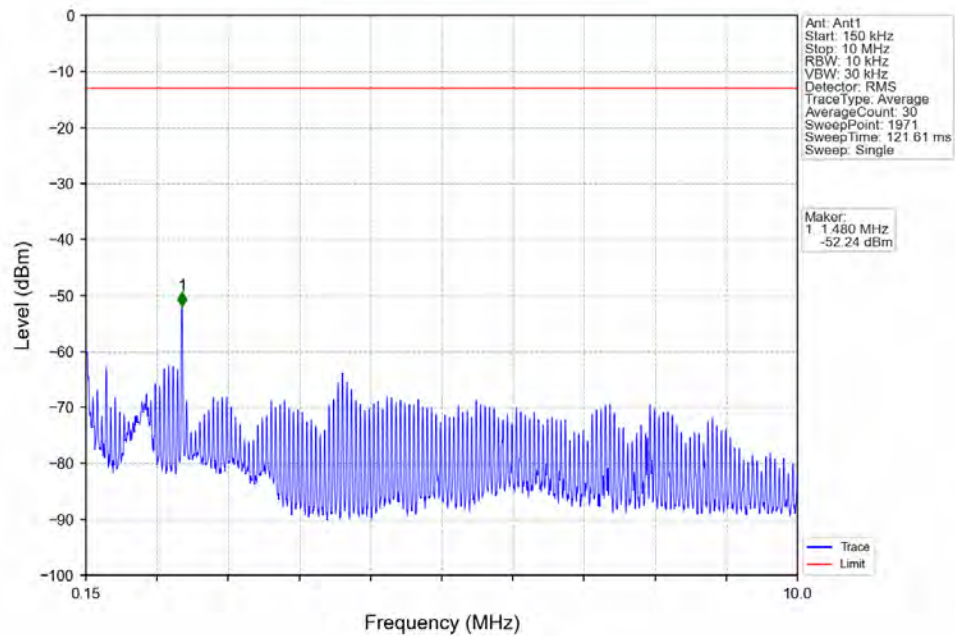
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



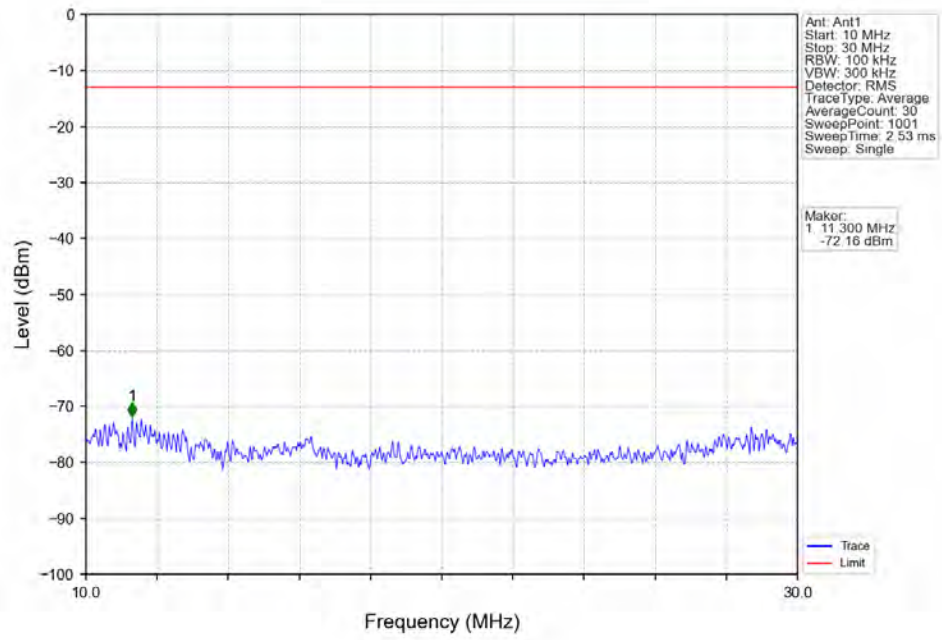
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV



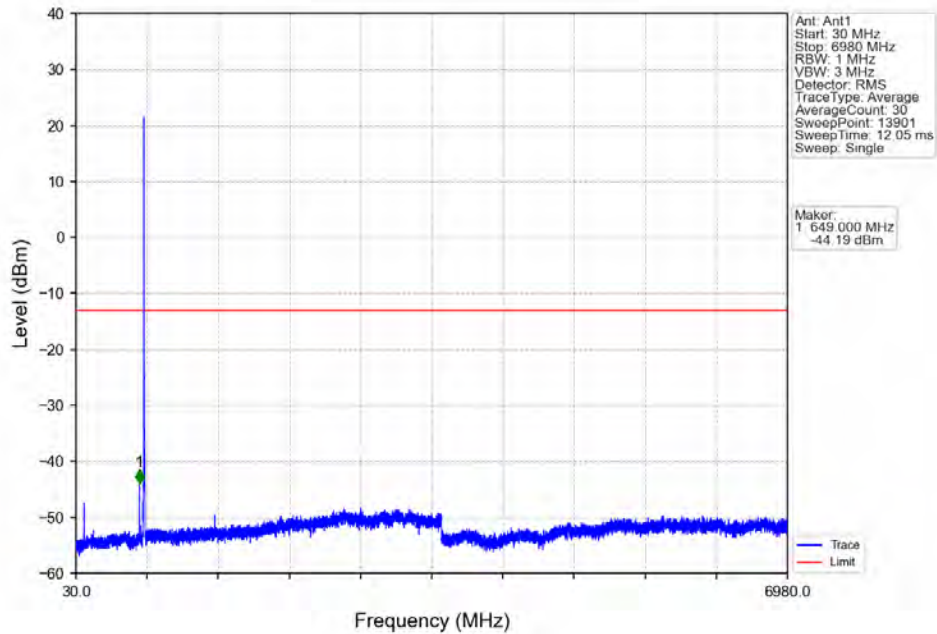
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTV



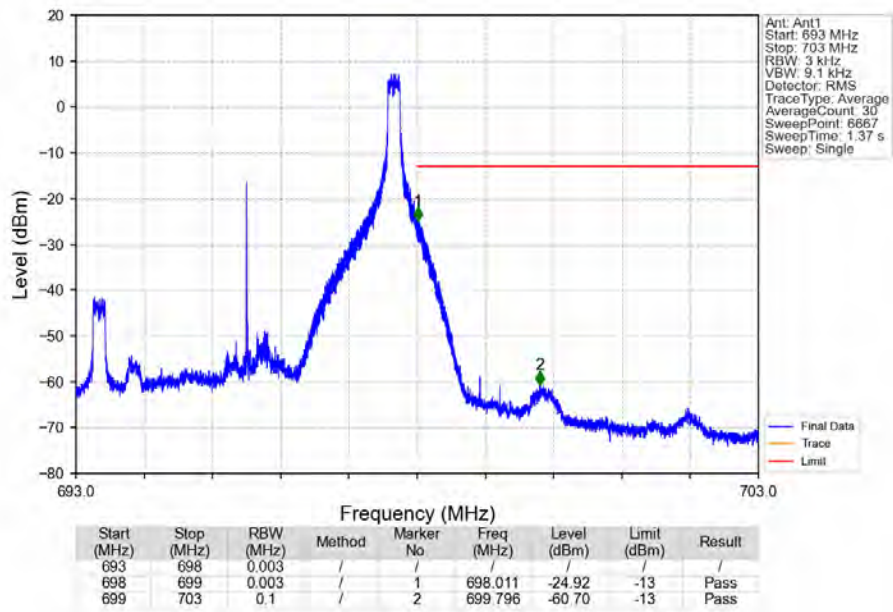
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



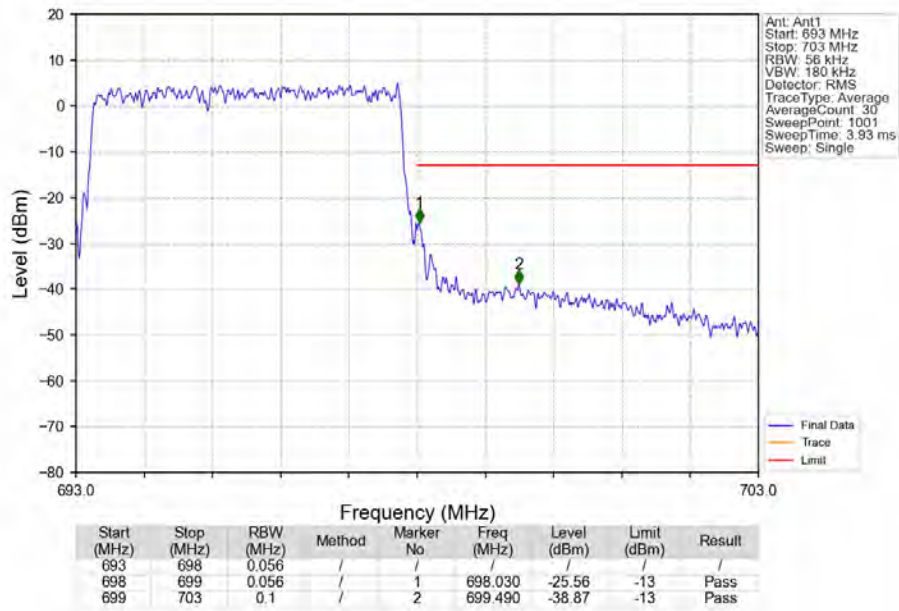
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



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



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

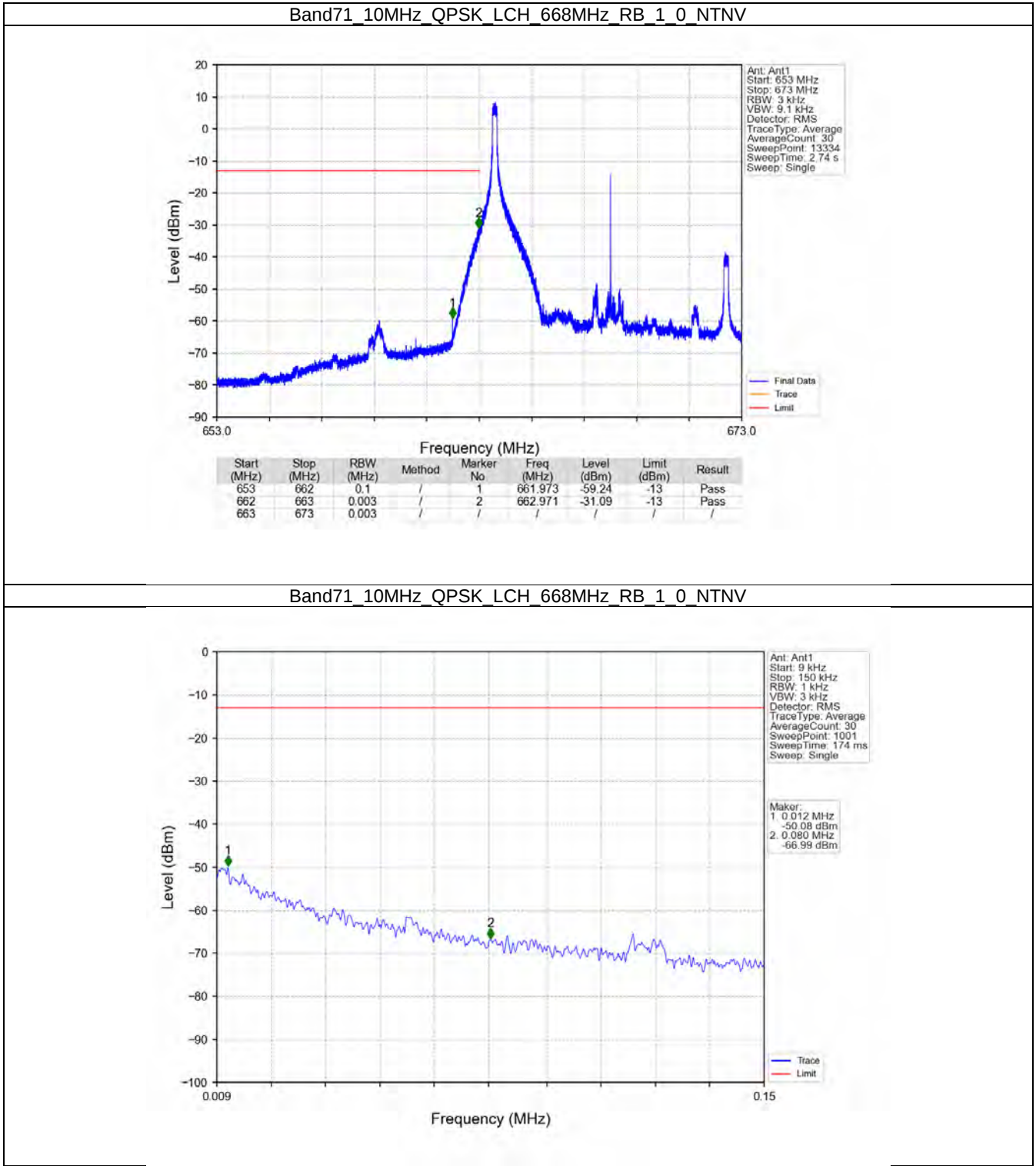


6.2 B71_10MHz

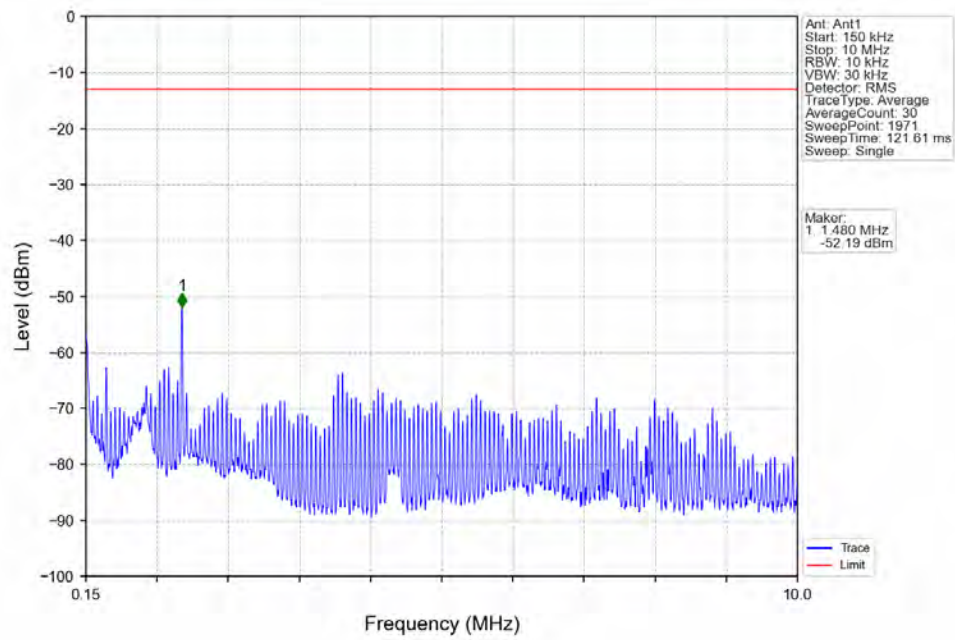
6.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
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

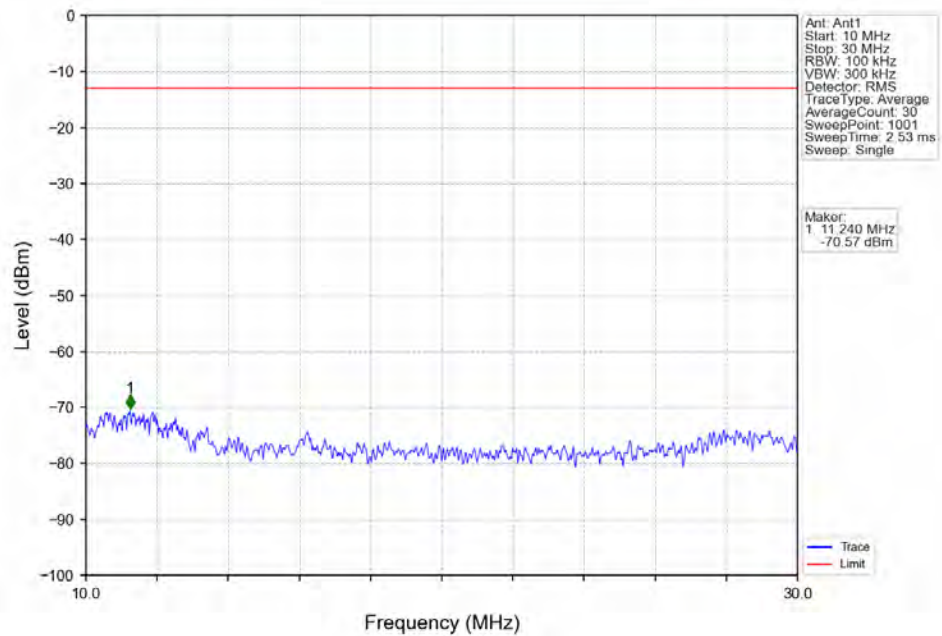
6.2.2 Test Graph



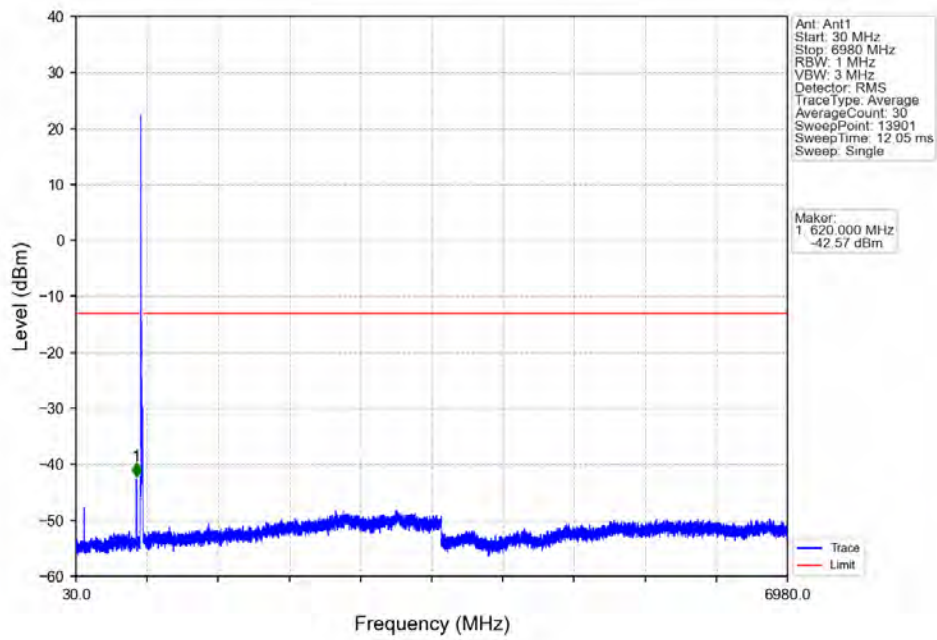
Band71_10MHz QPSK LCH 668MHz RB 1 0 NTN



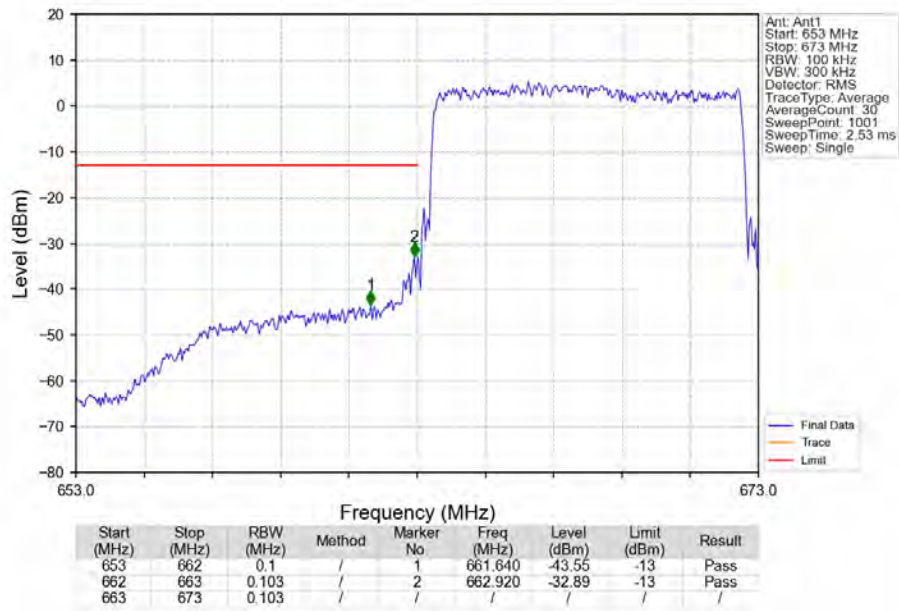
Band71_10MHz QPSK LCH 668MHz RB 1 0 NTN



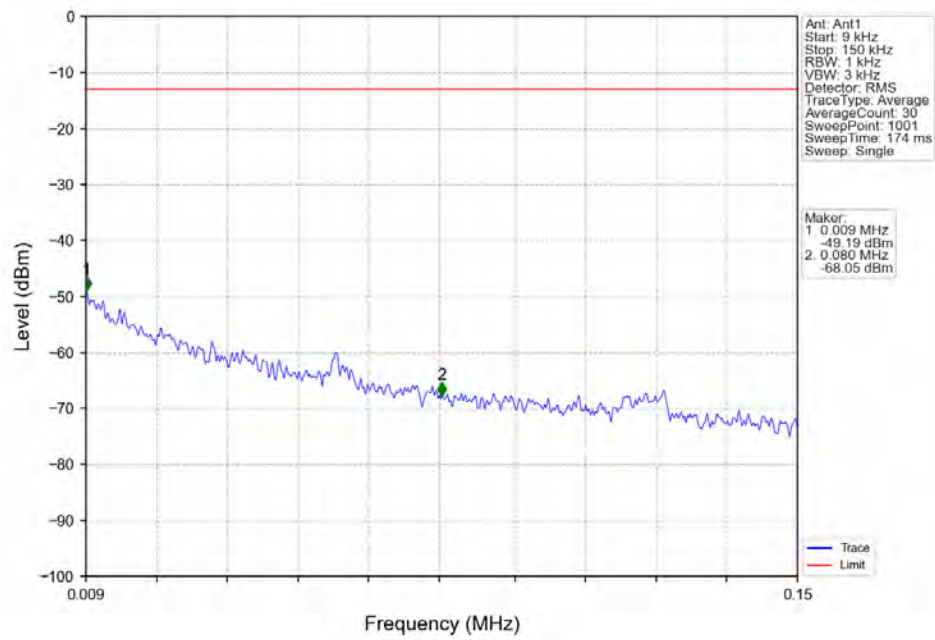
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



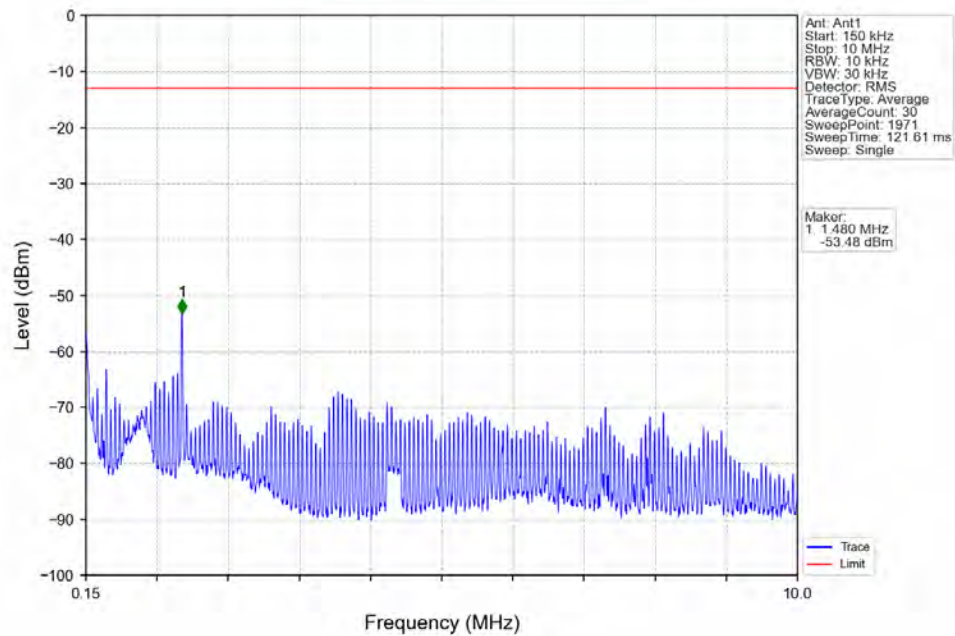
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



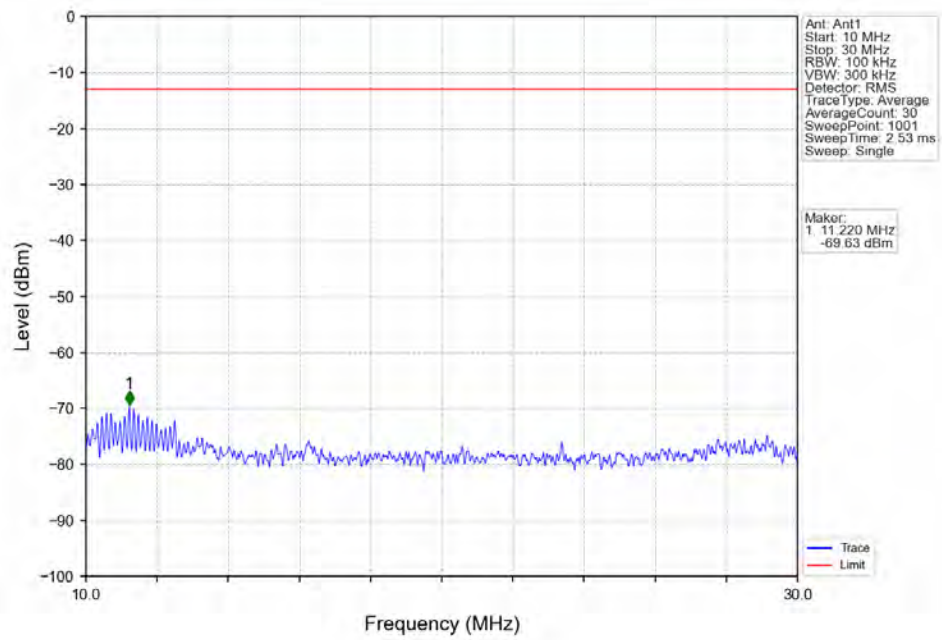
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



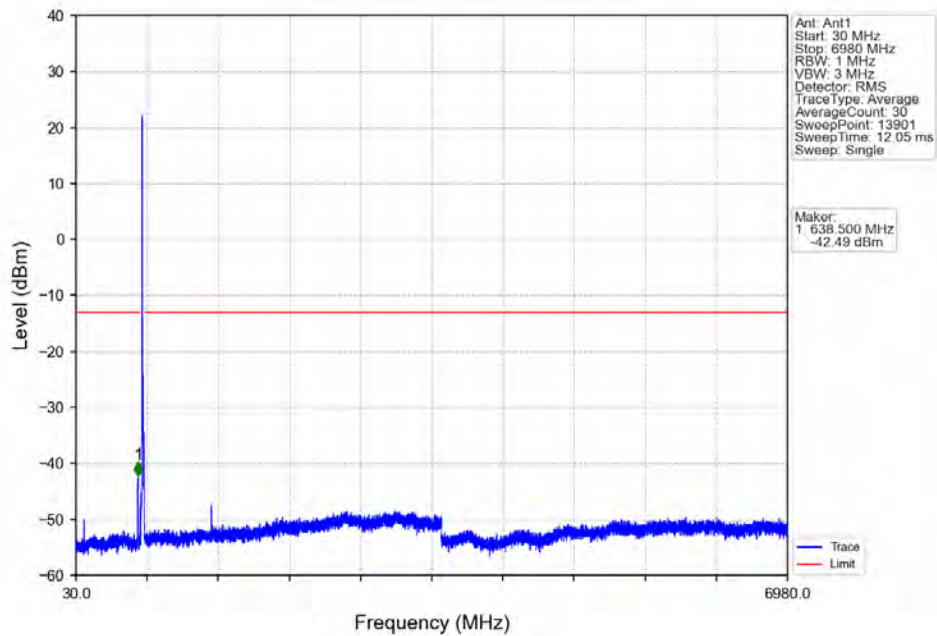
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



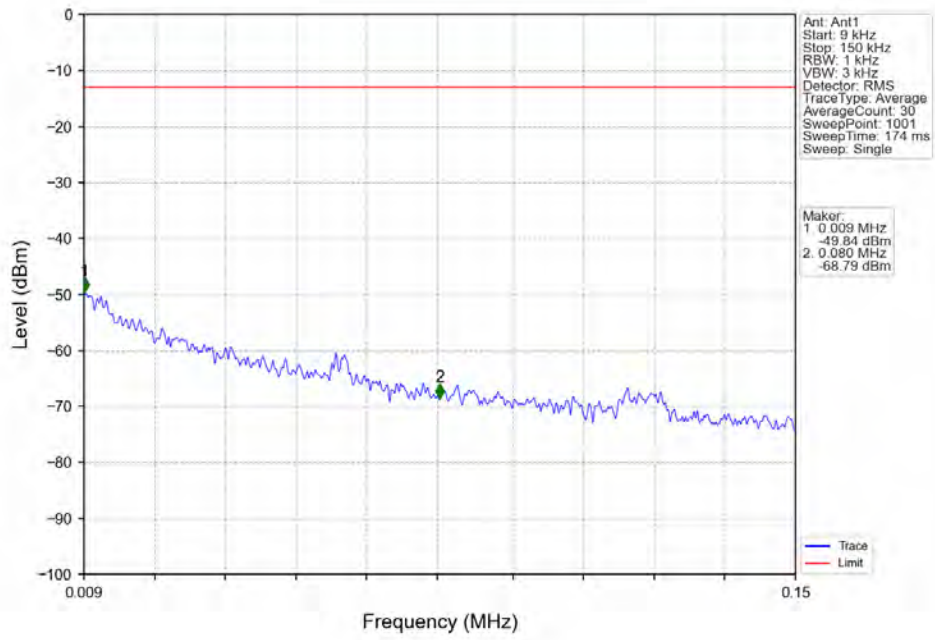
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



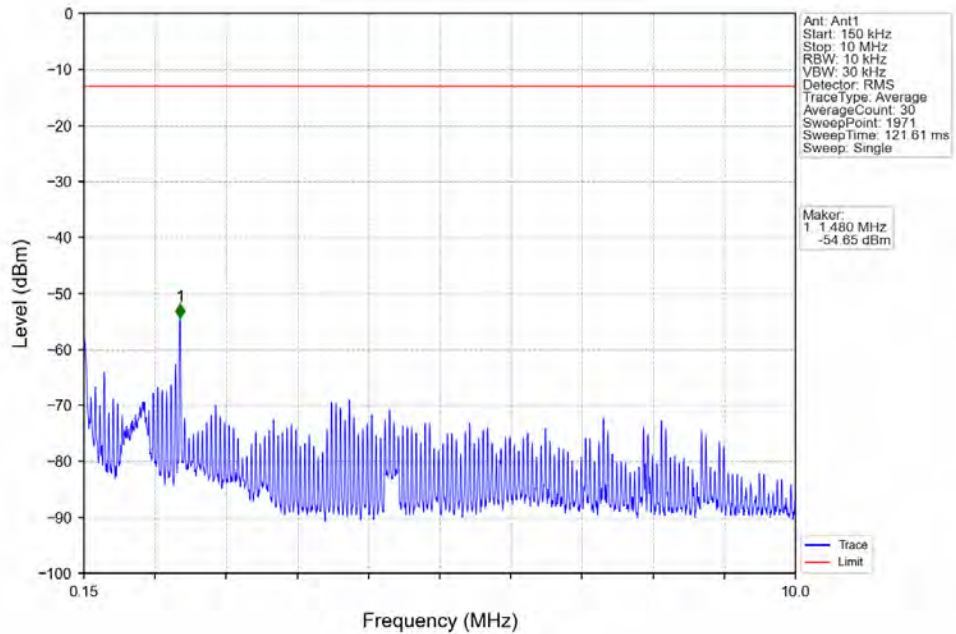
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



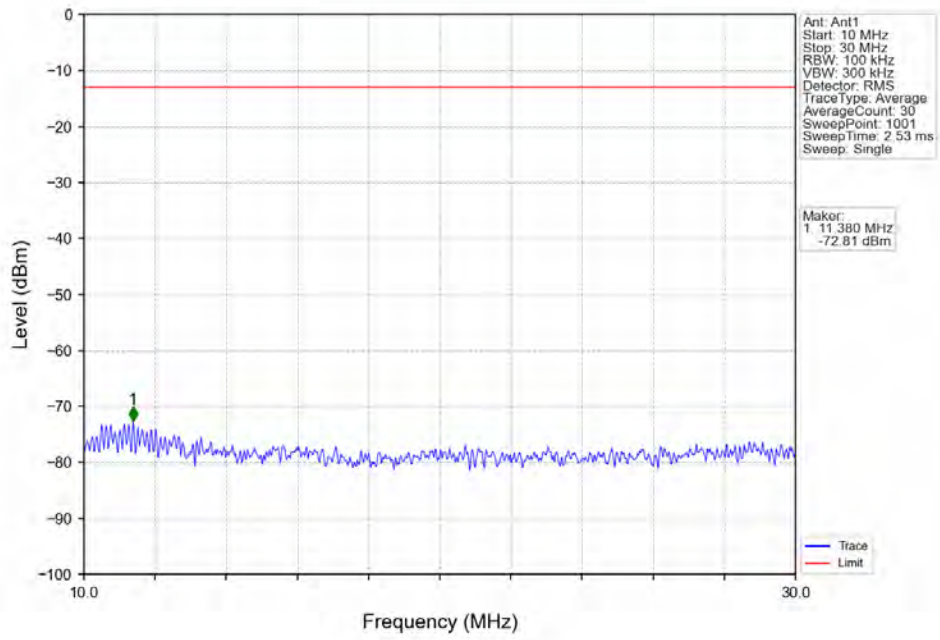
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



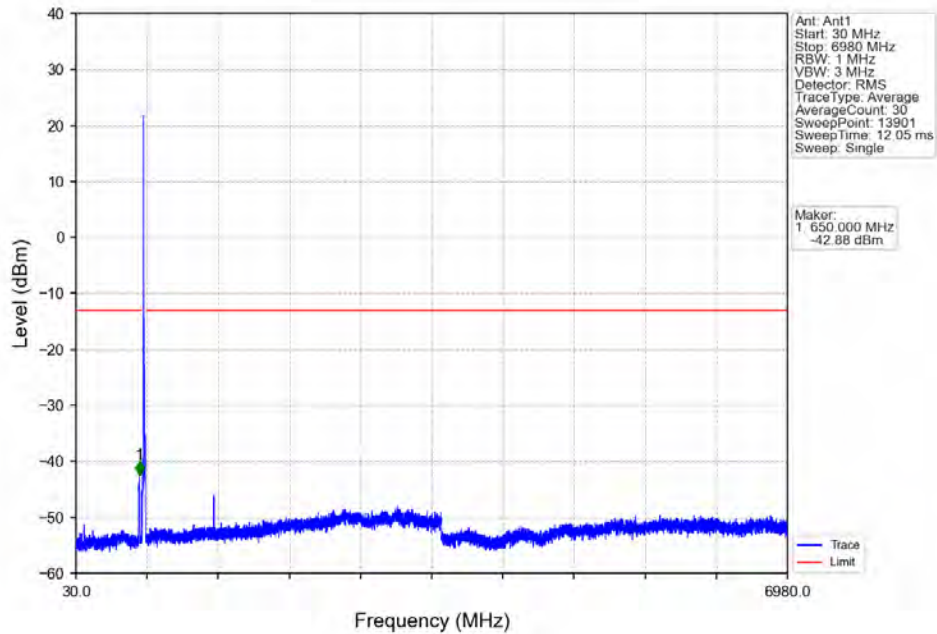
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



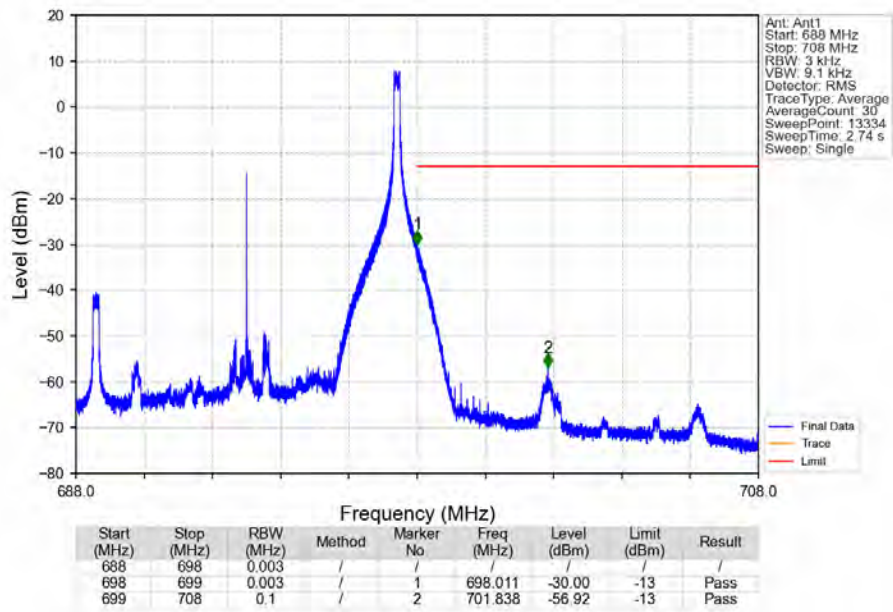
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



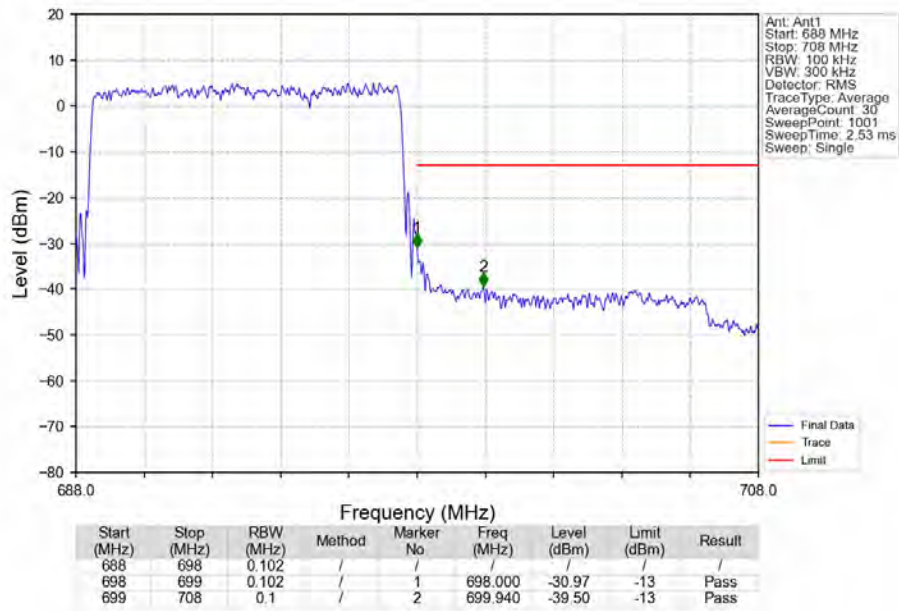
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



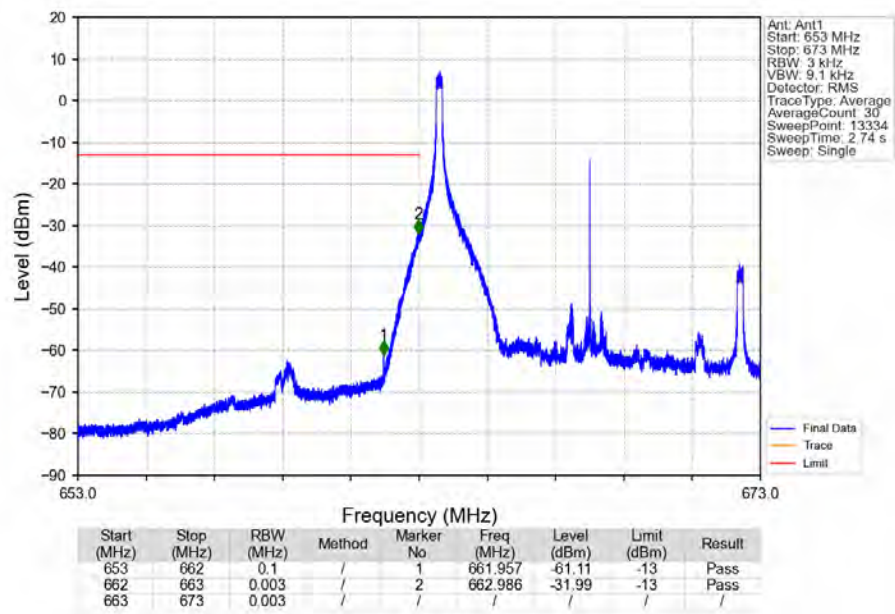
Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



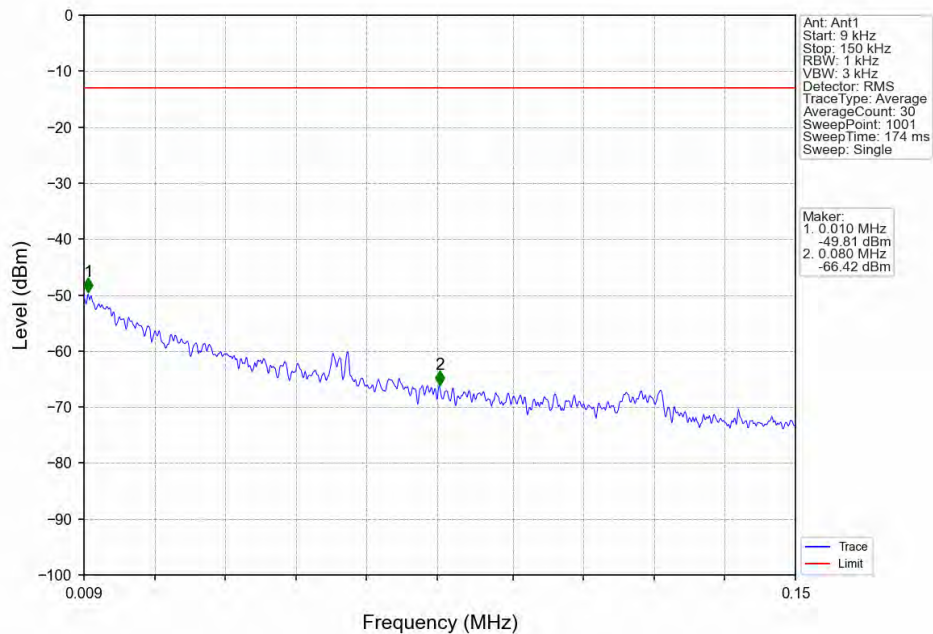
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



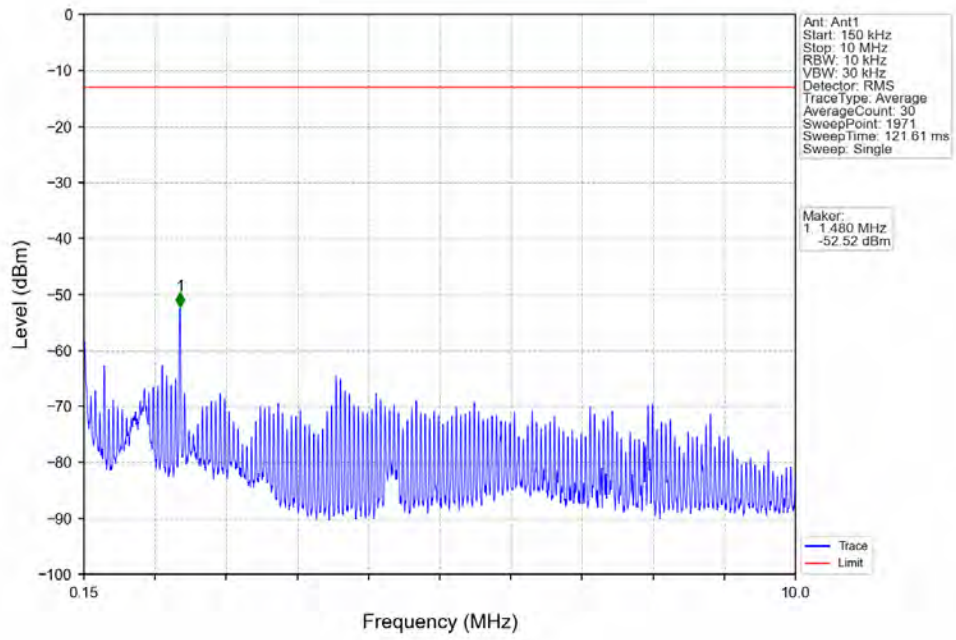
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



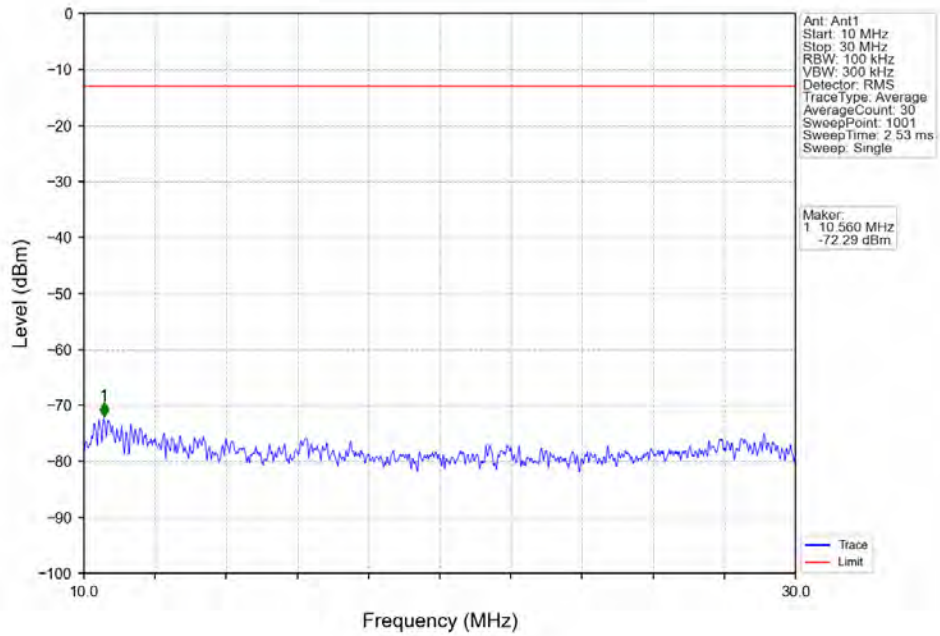
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



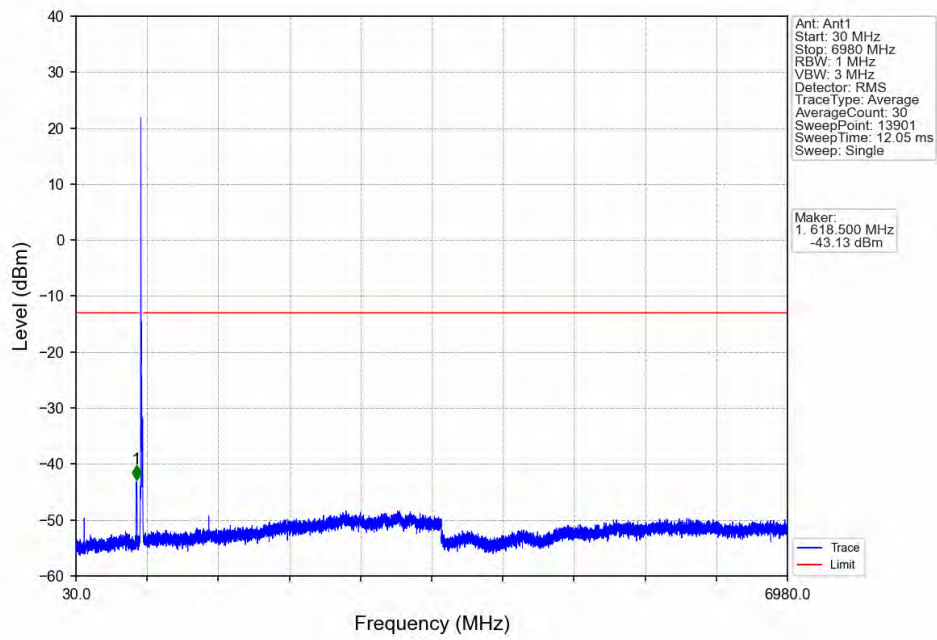
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



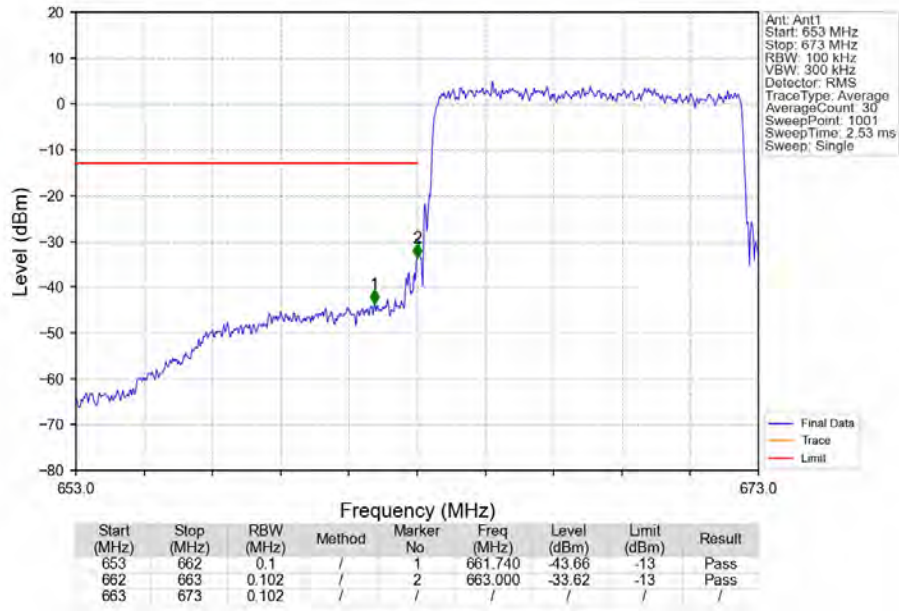
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



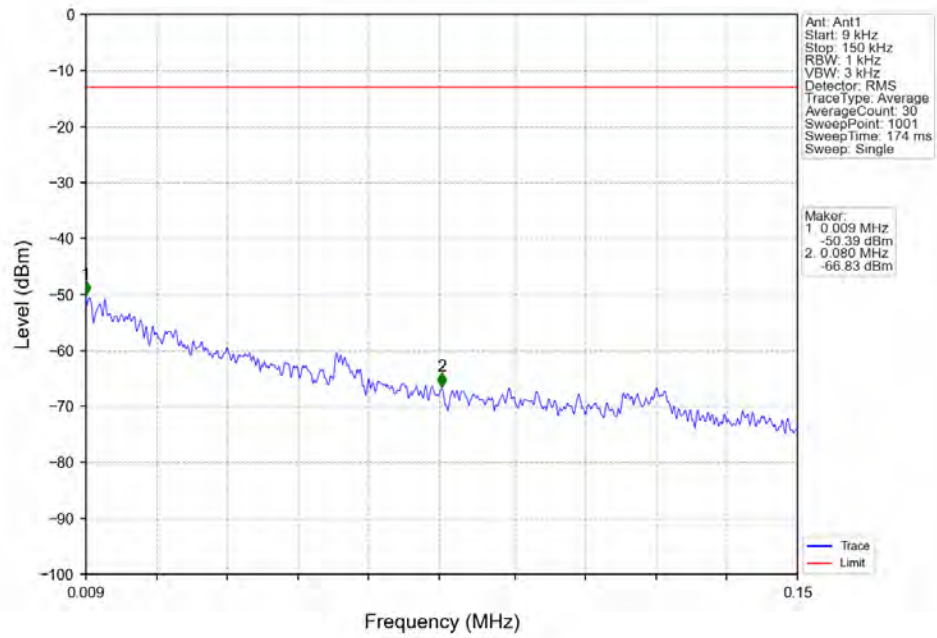
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



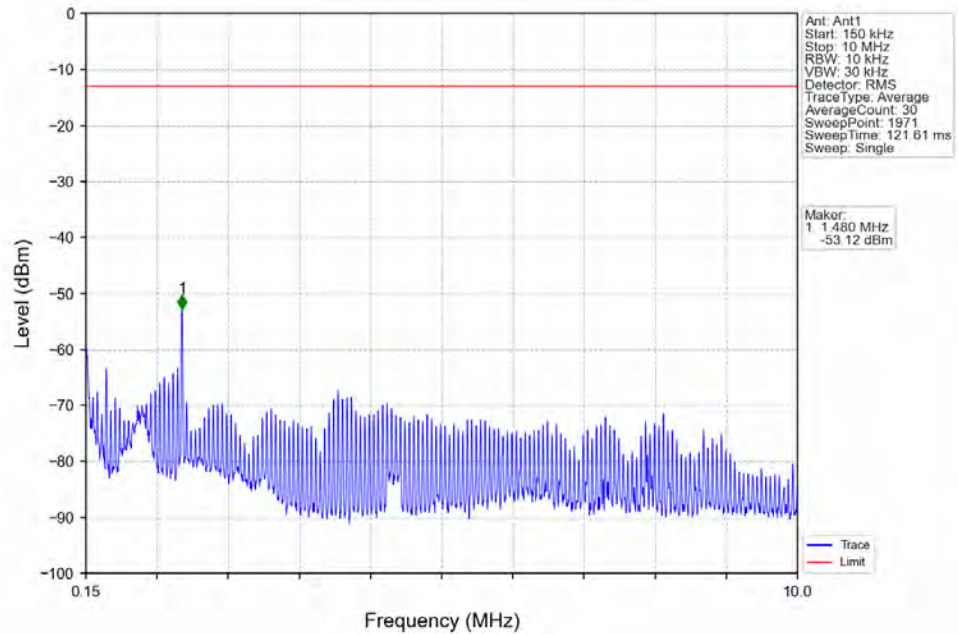
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



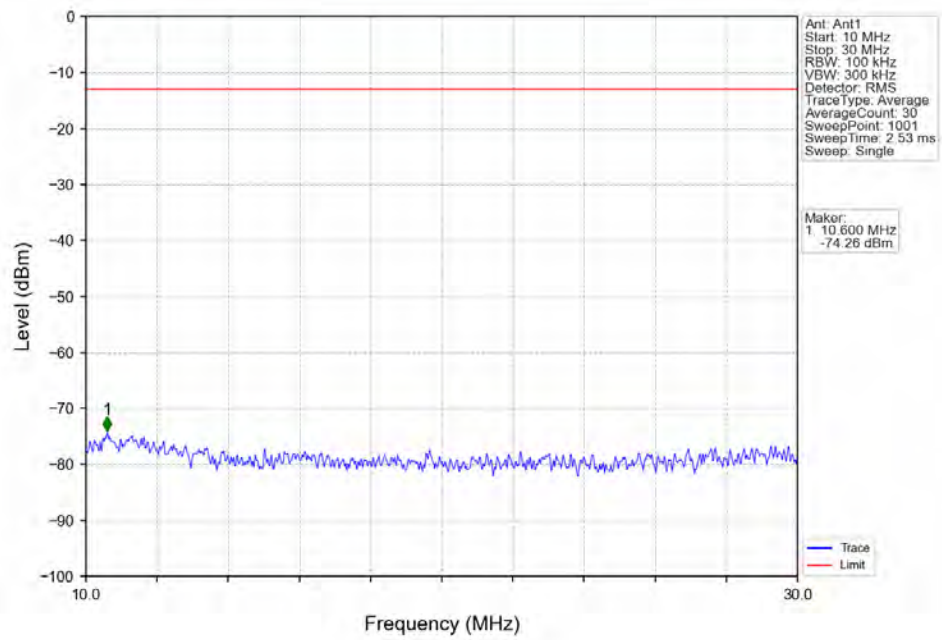
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



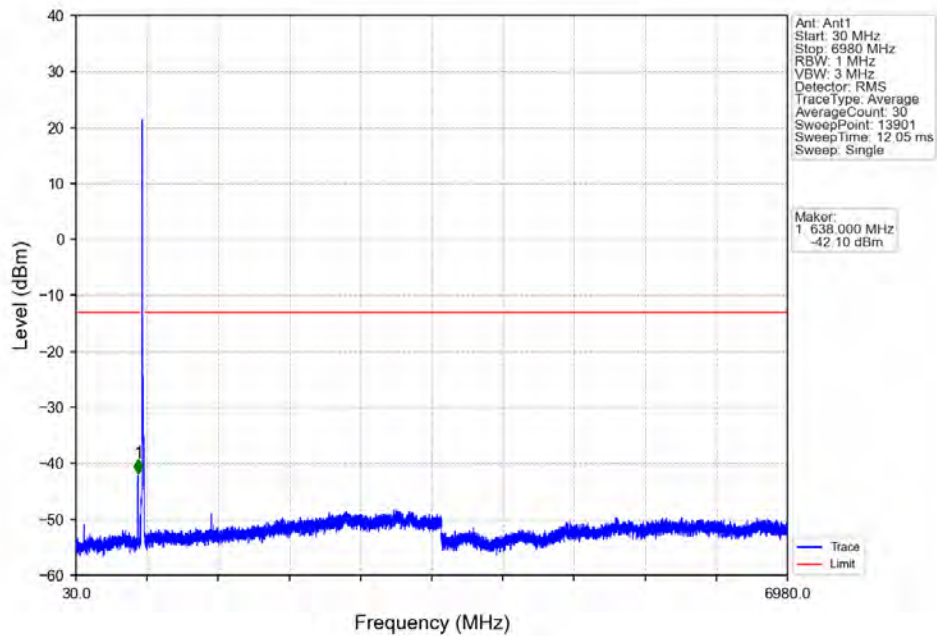
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



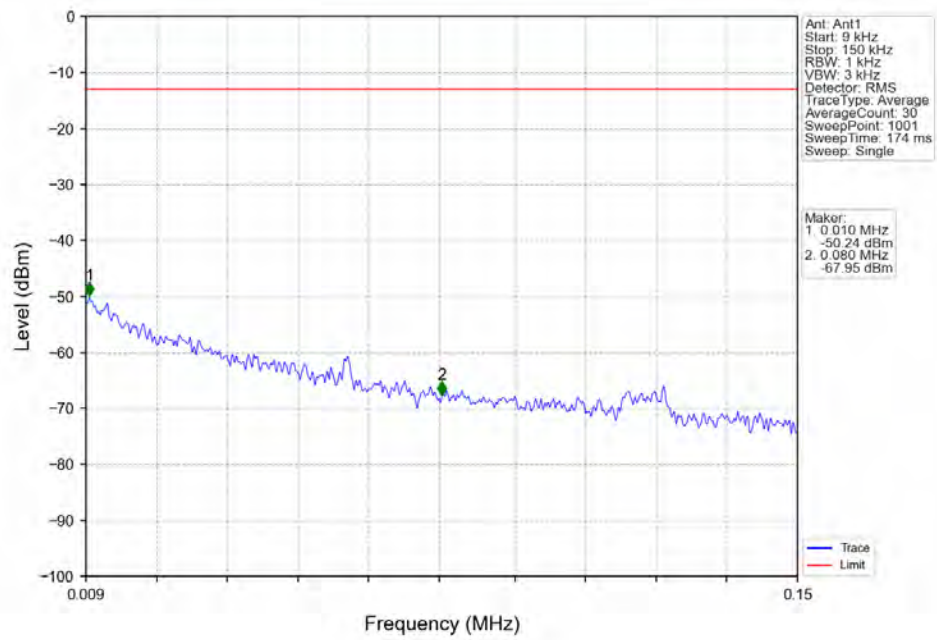
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



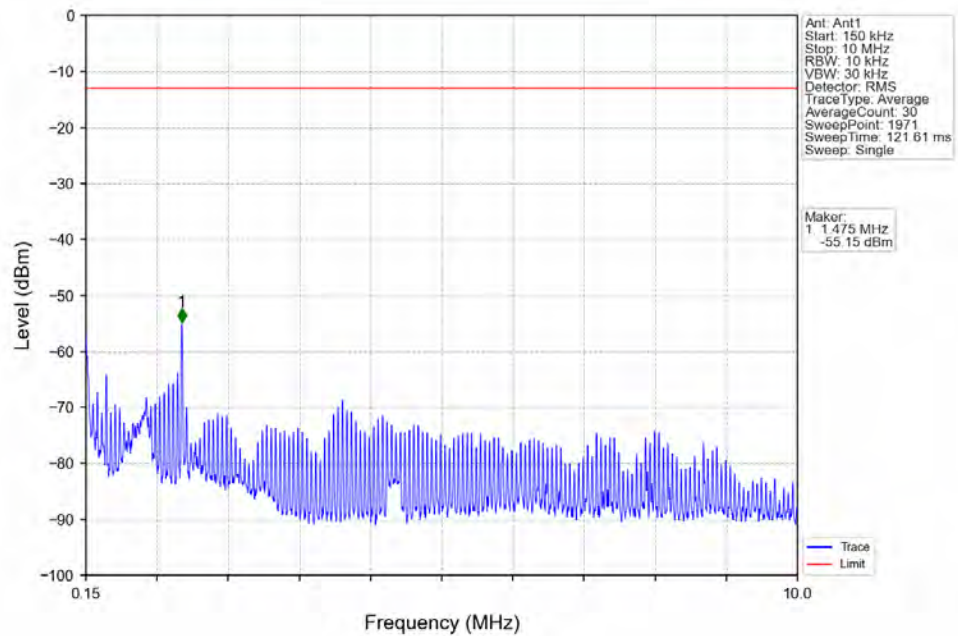
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



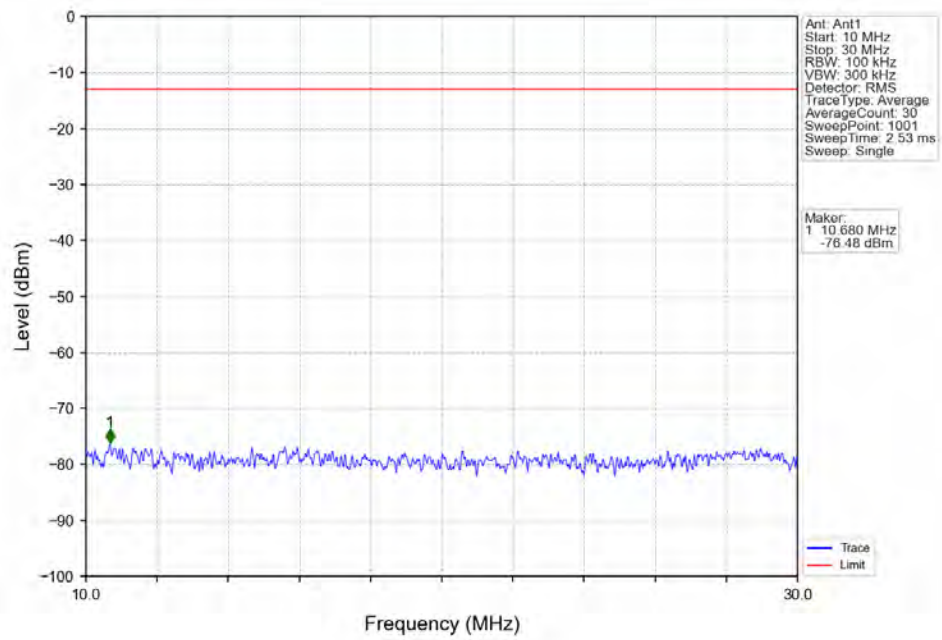
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



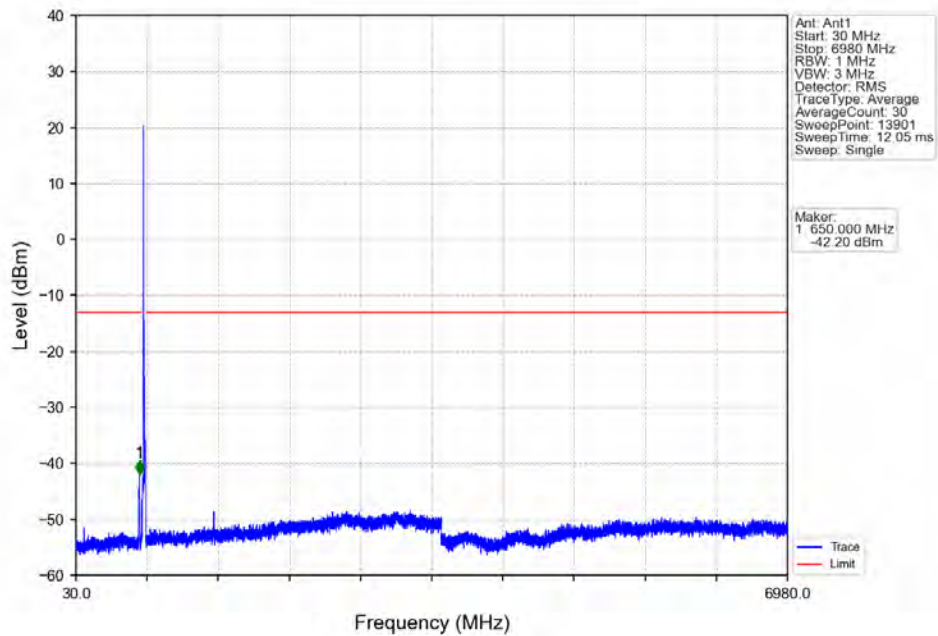
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



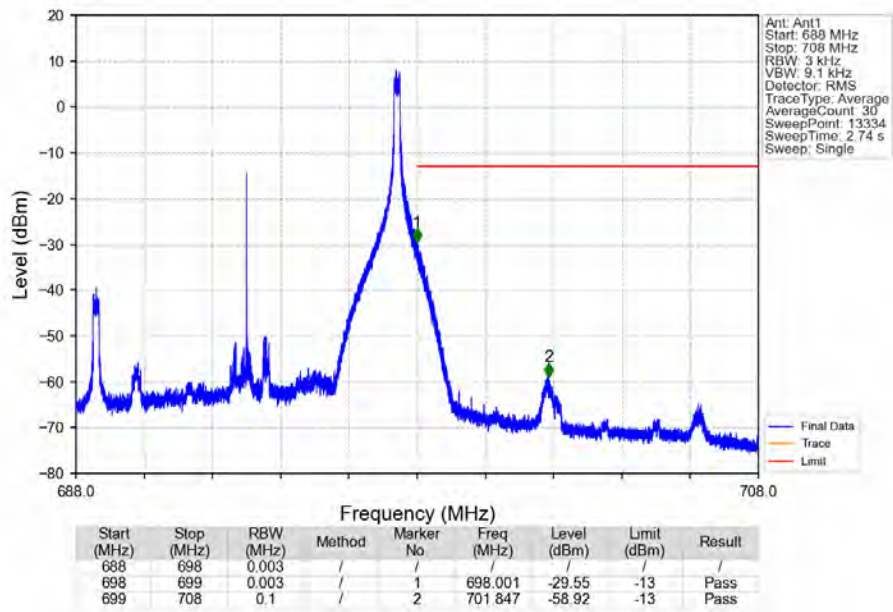
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTN



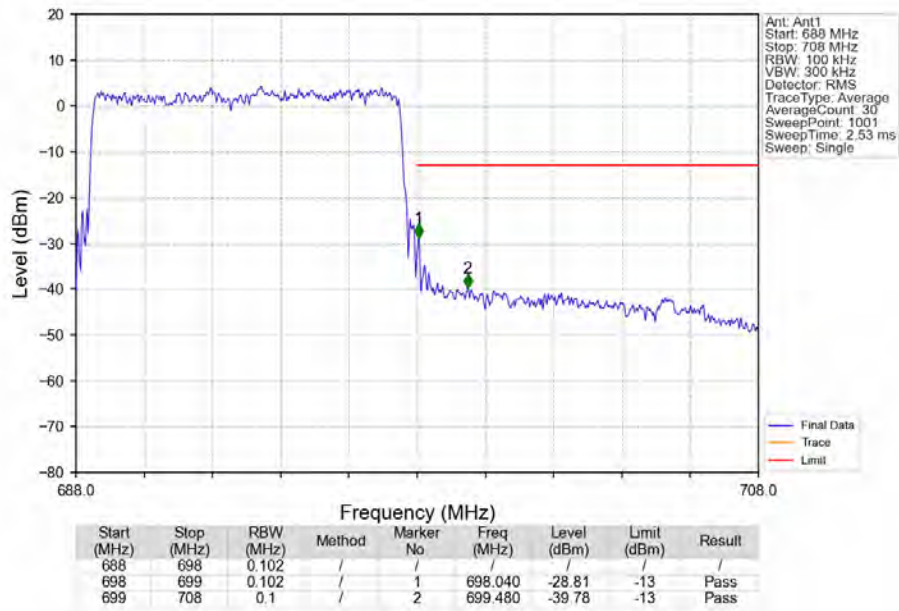
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTN



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



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

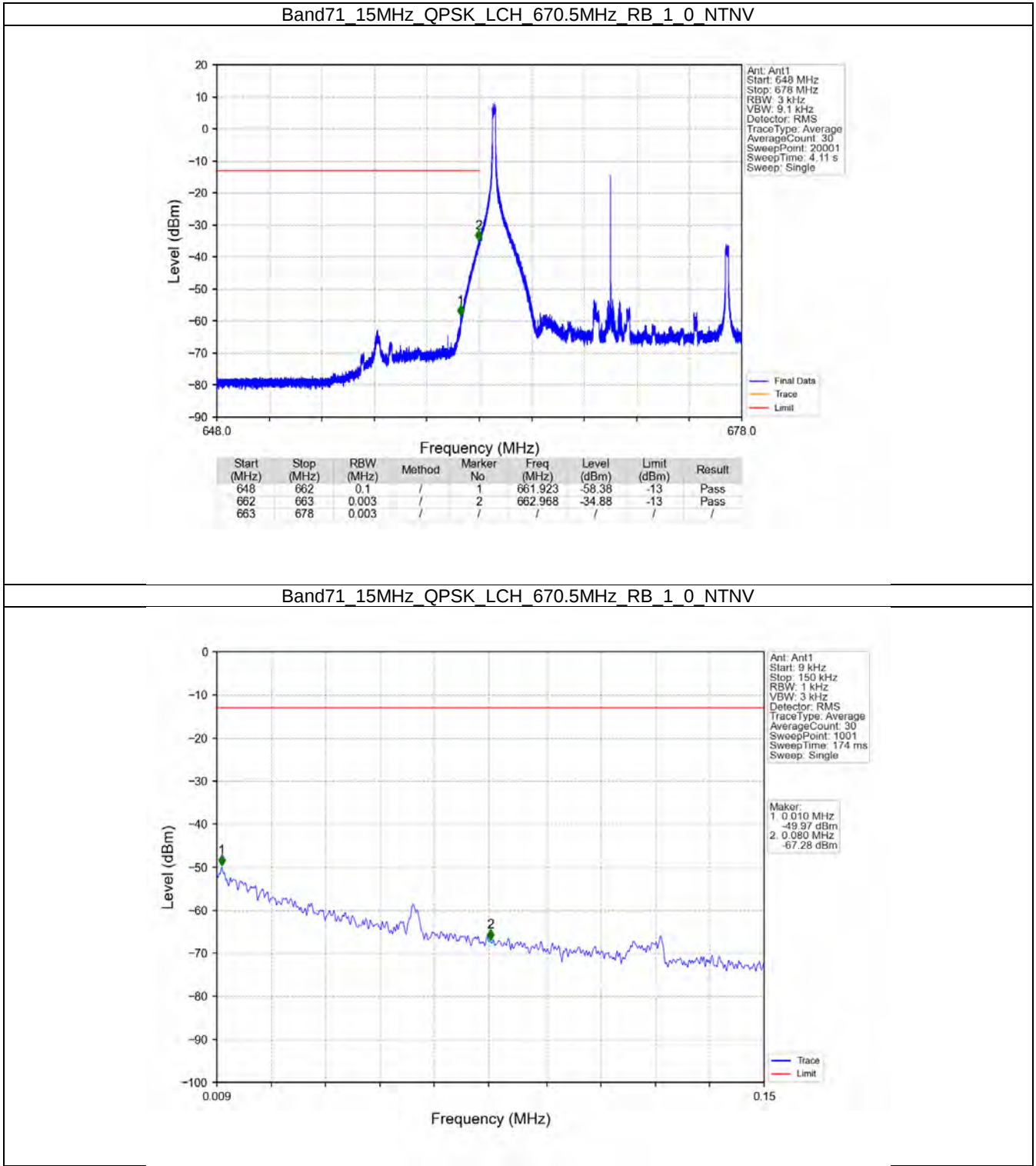


6.3 B71_15MHz

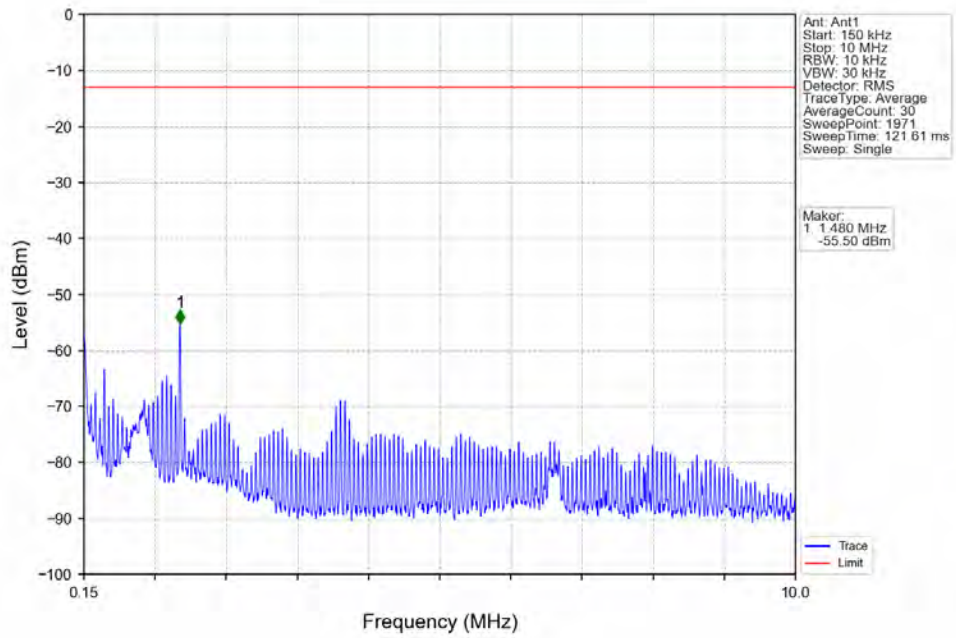
6.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTV						
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

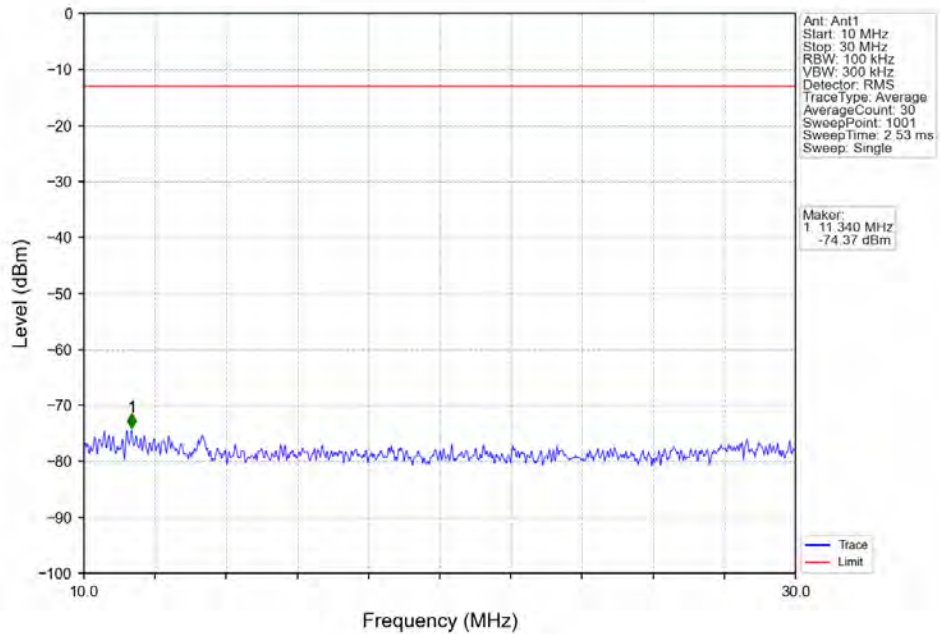
6.3.2 Test Graph



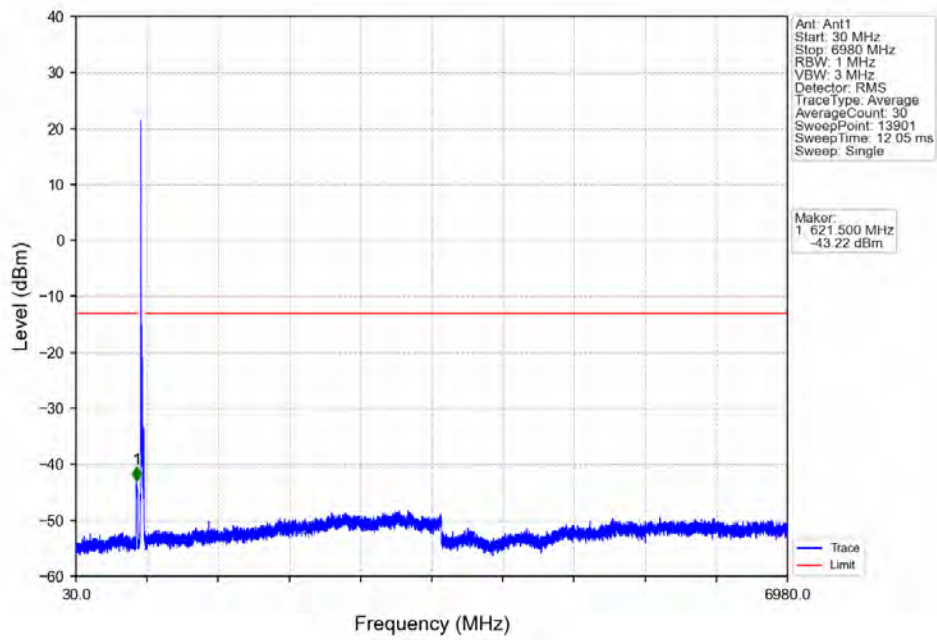
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



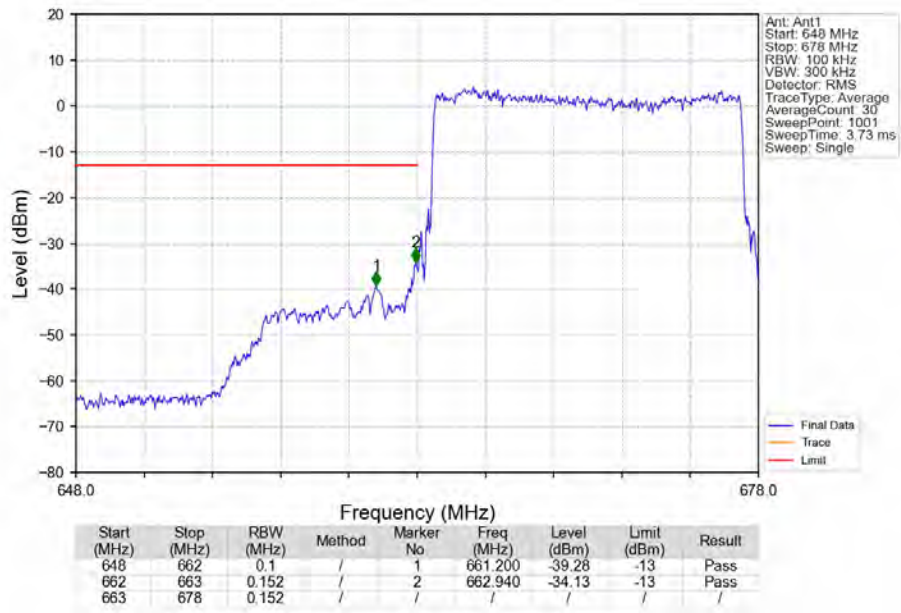
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



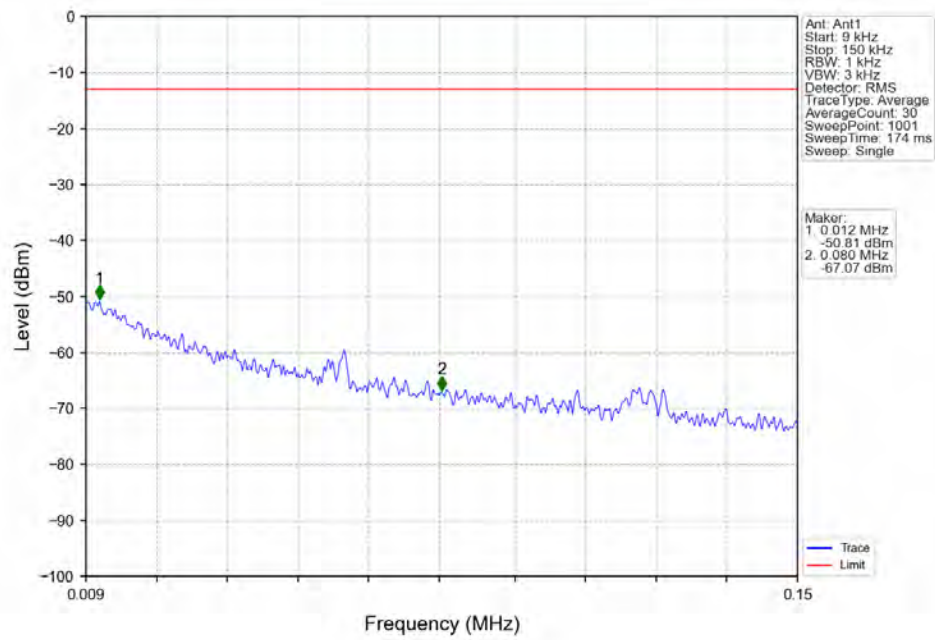
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



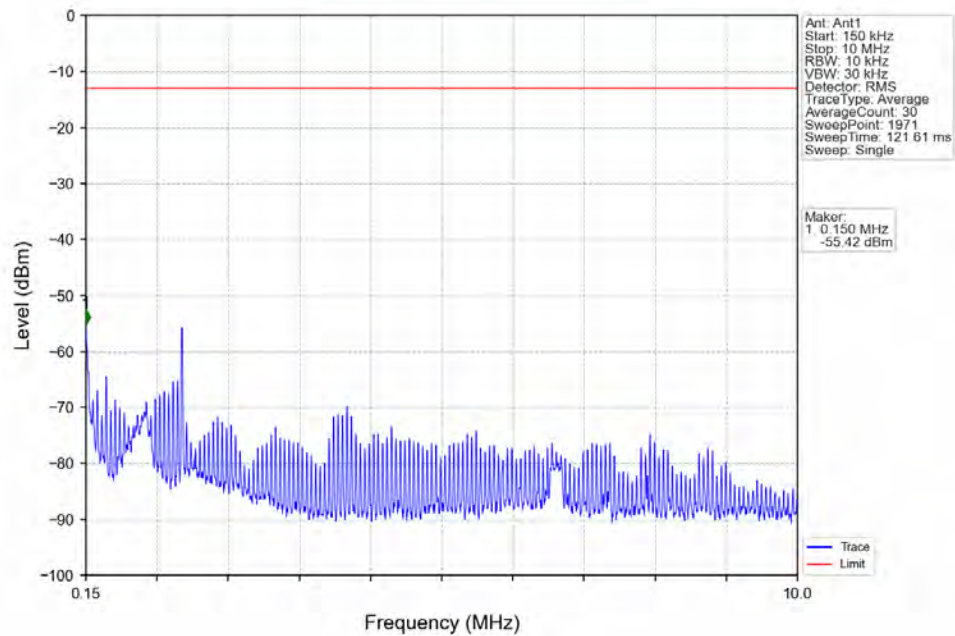
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



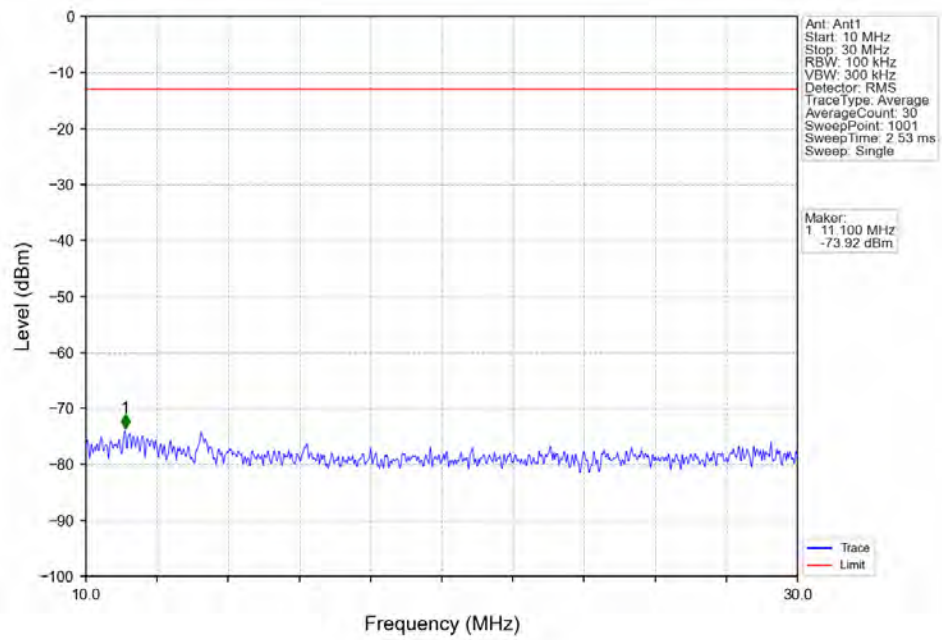
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



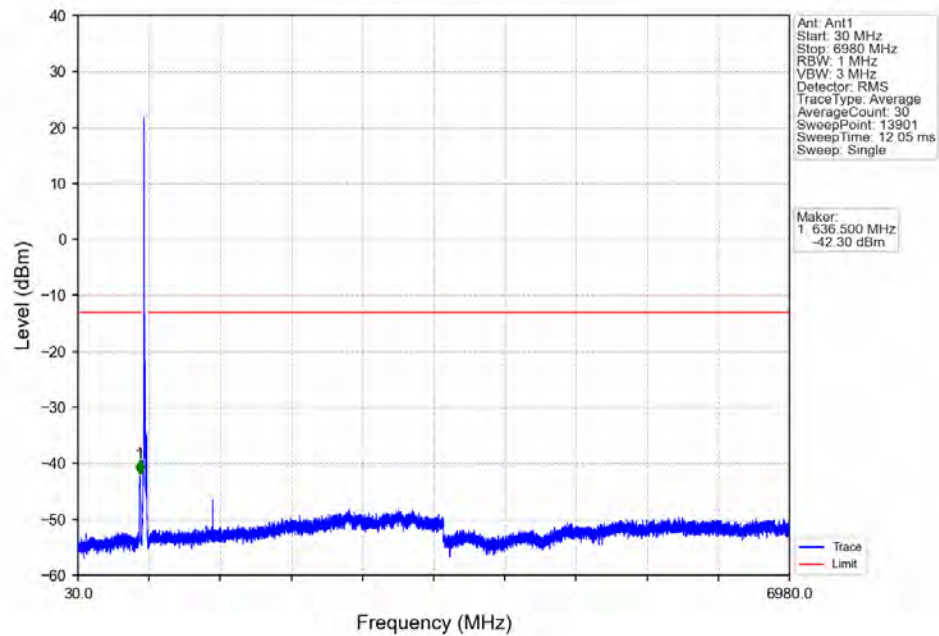
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



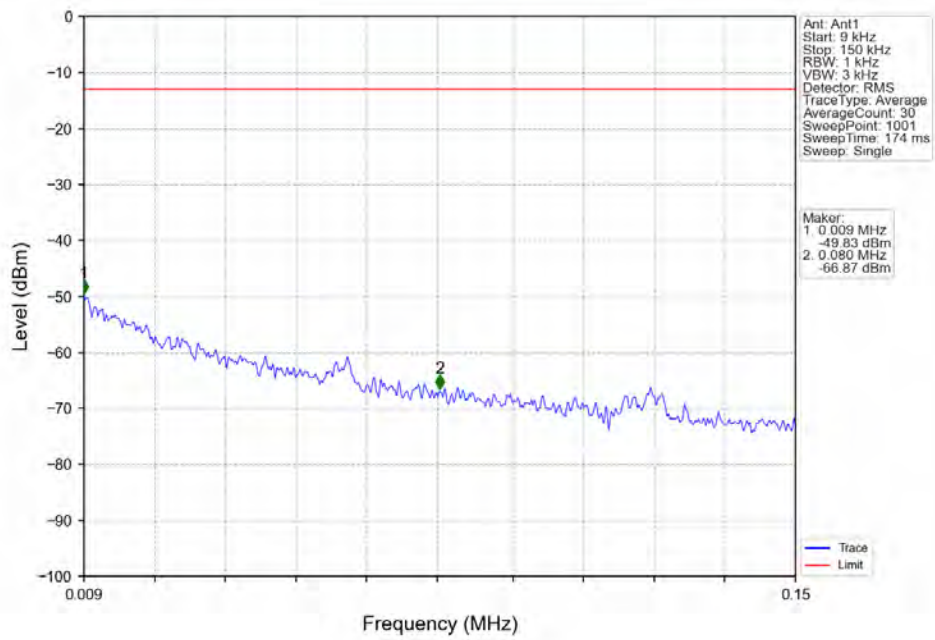
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



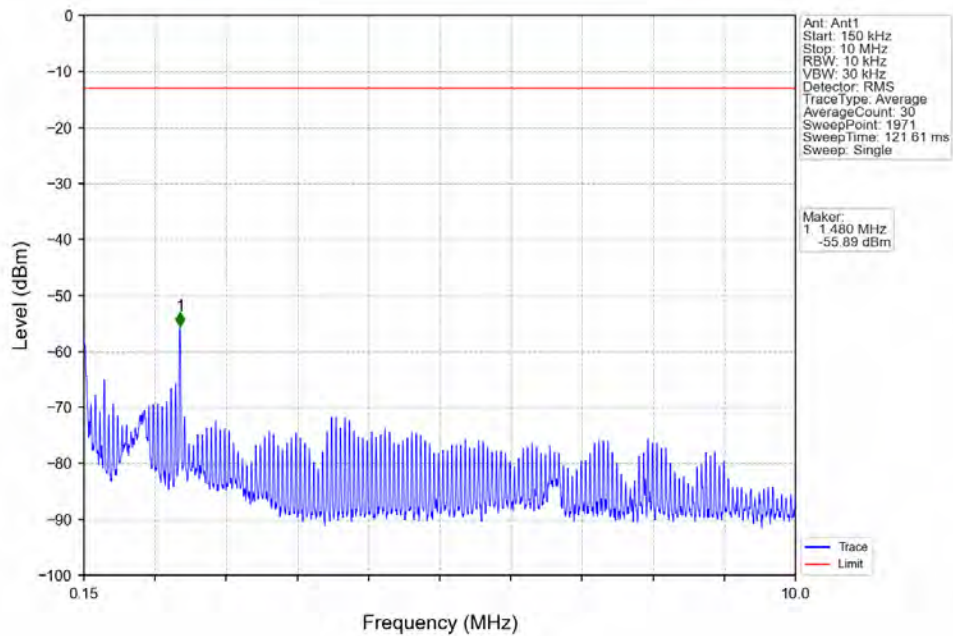
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



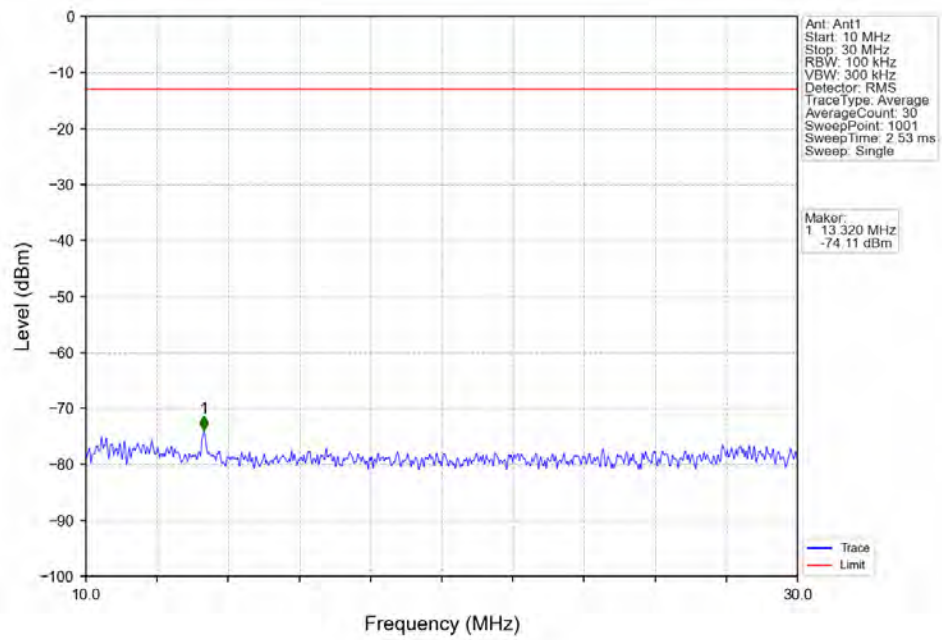
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



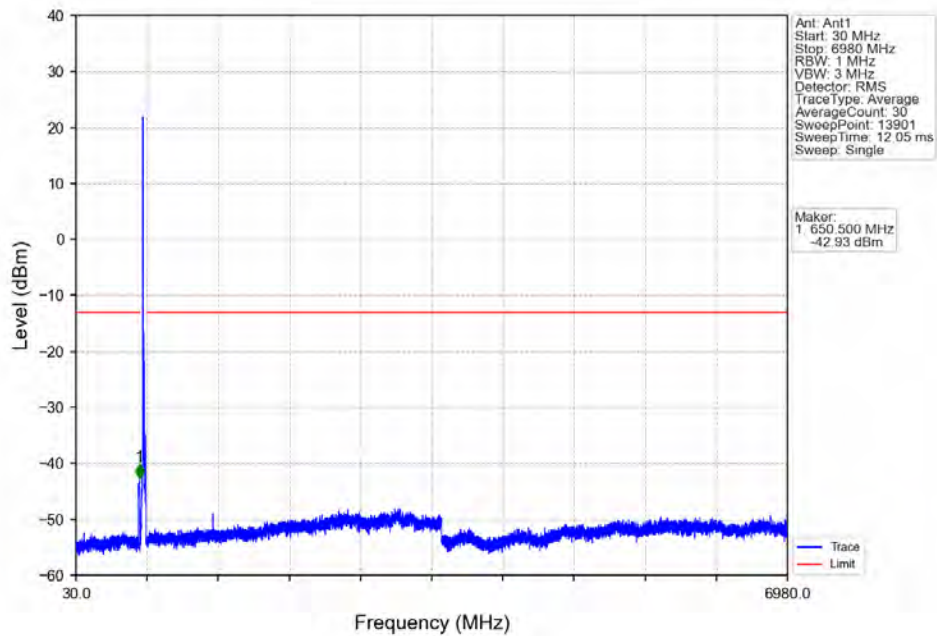
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



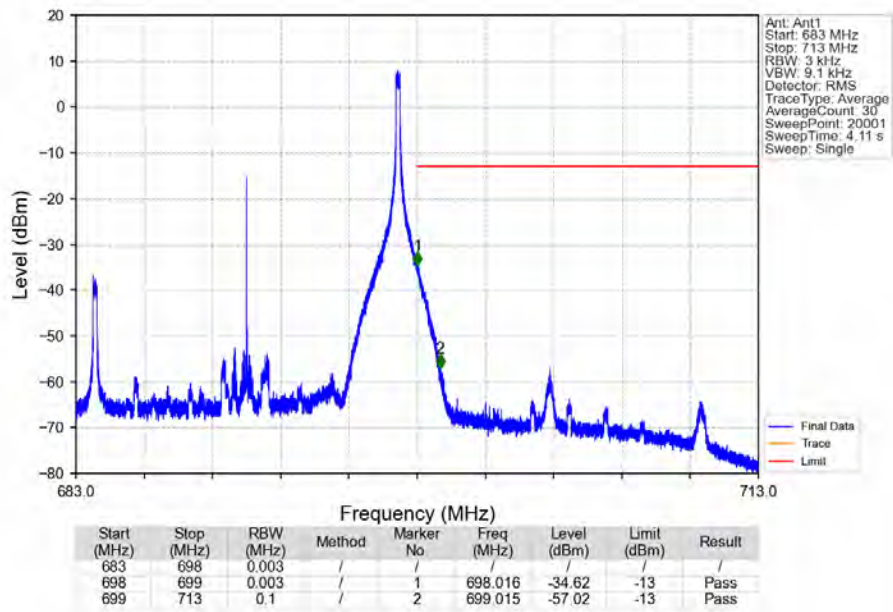
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTNV



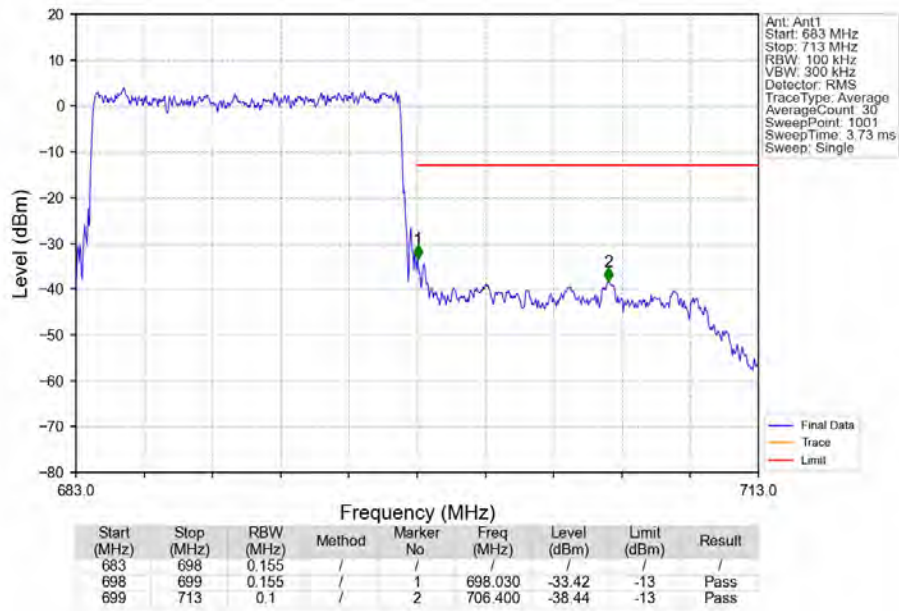
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTNV



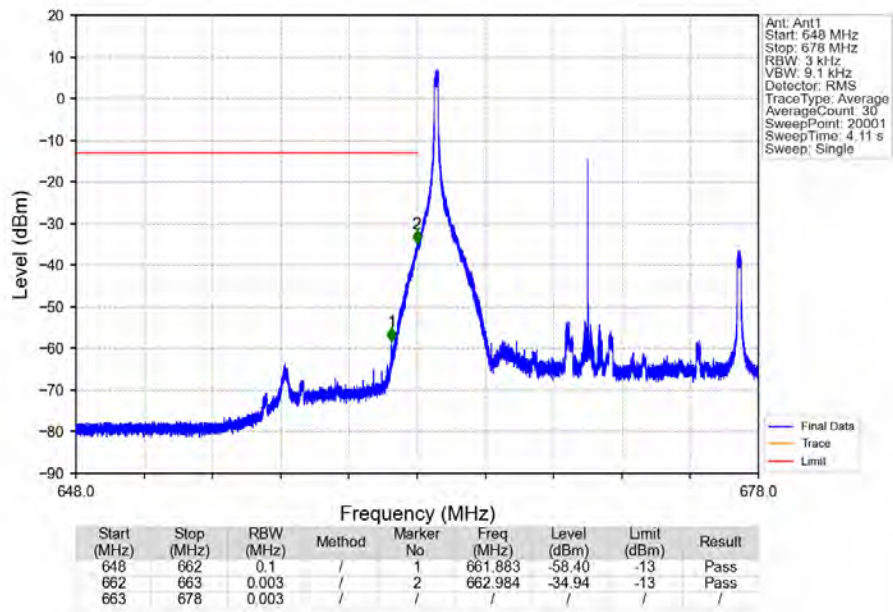
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



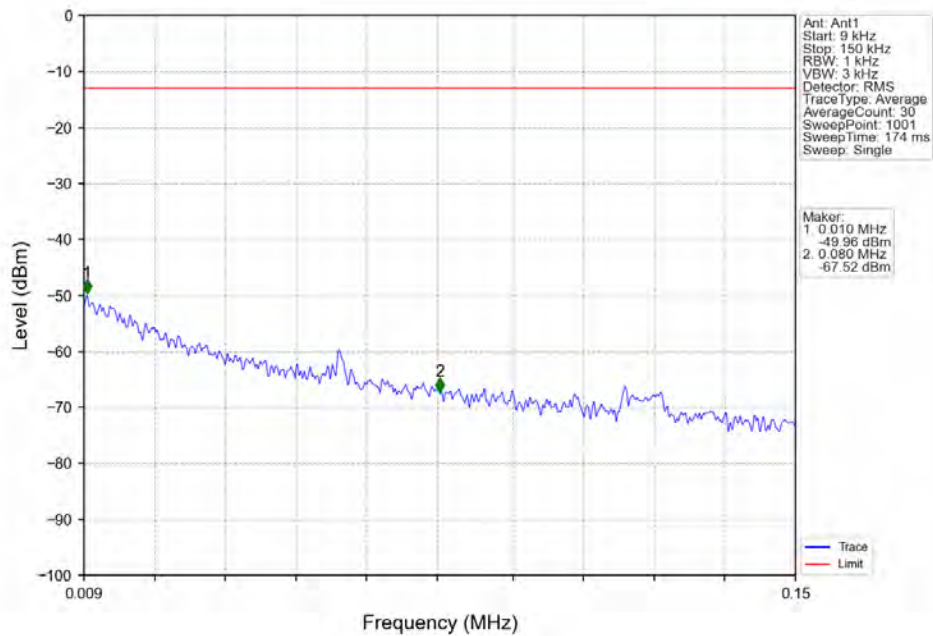
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



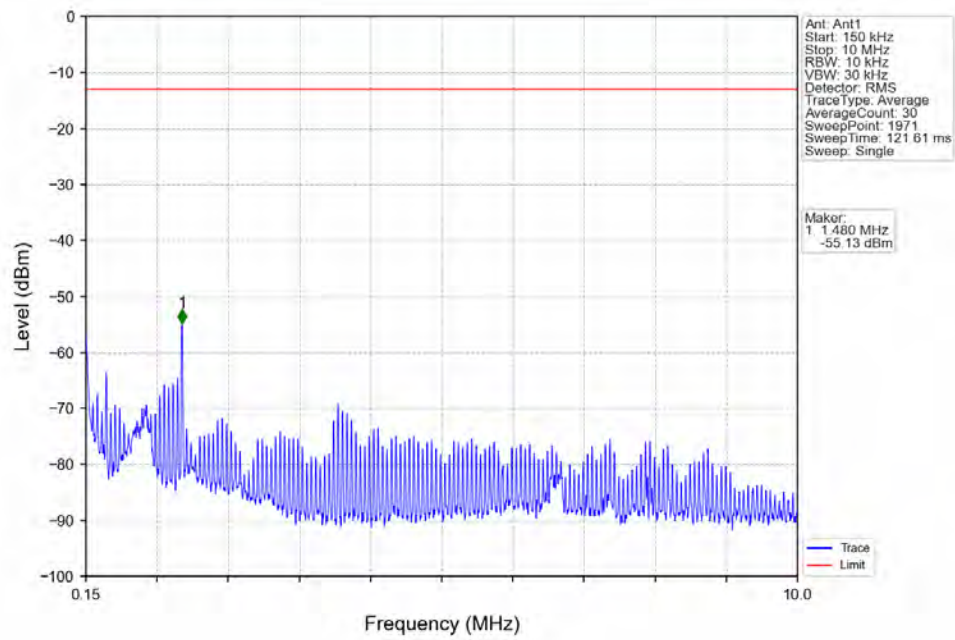
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



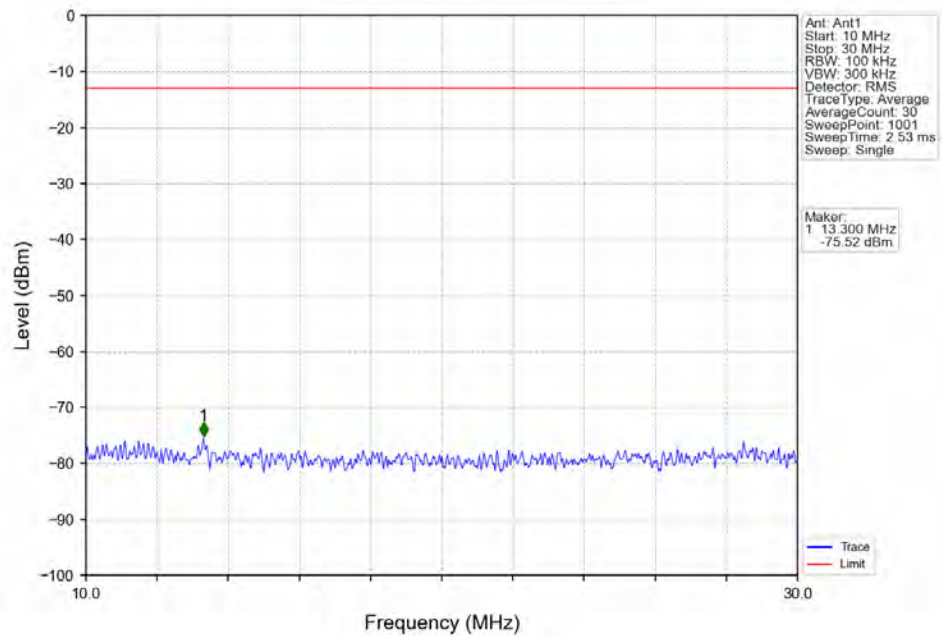
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



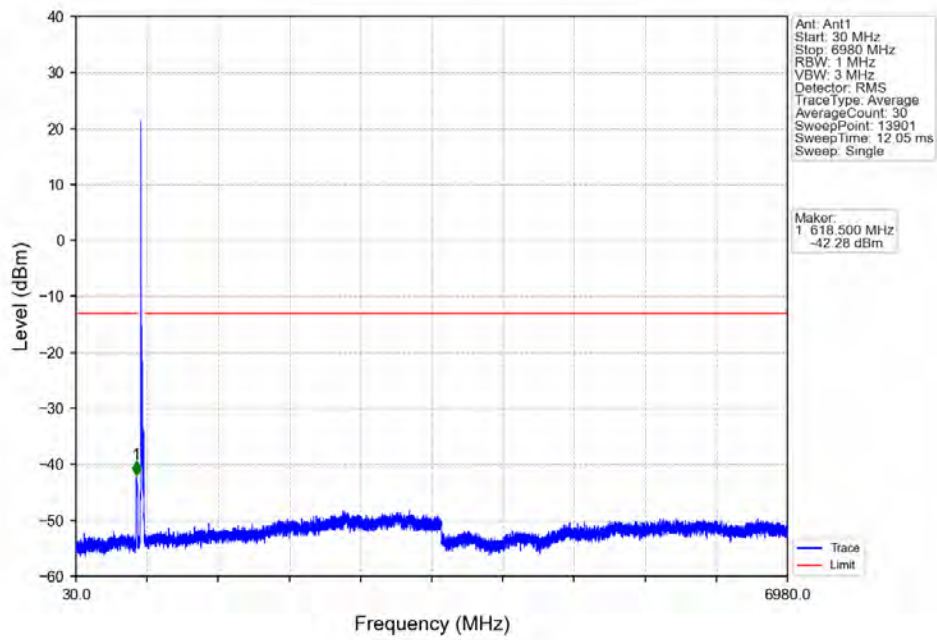
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



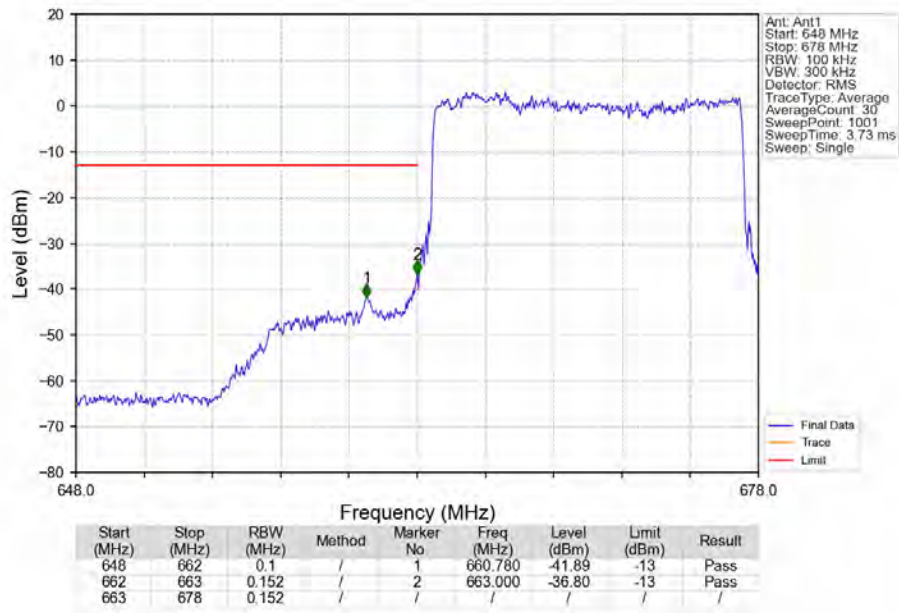
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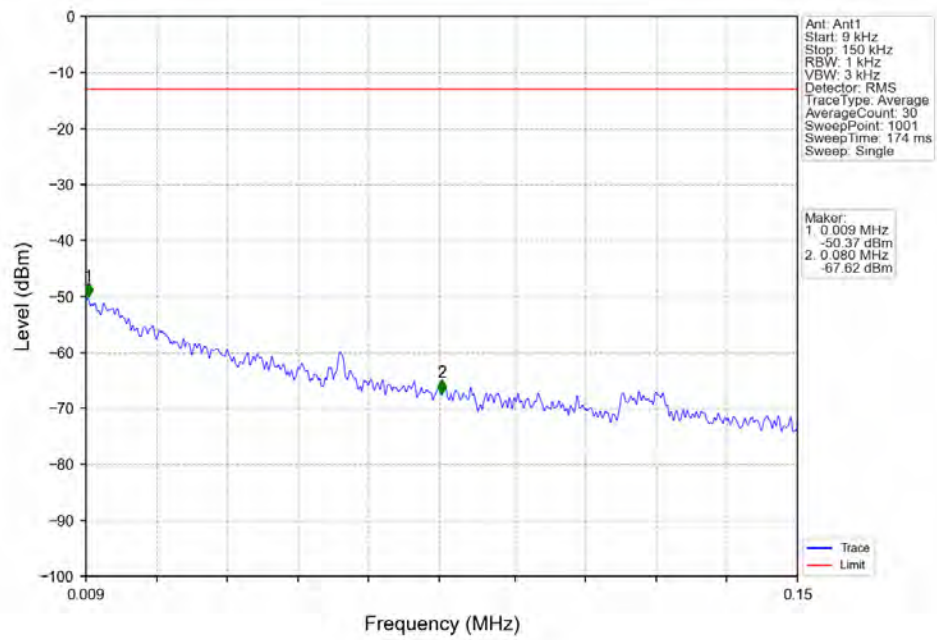
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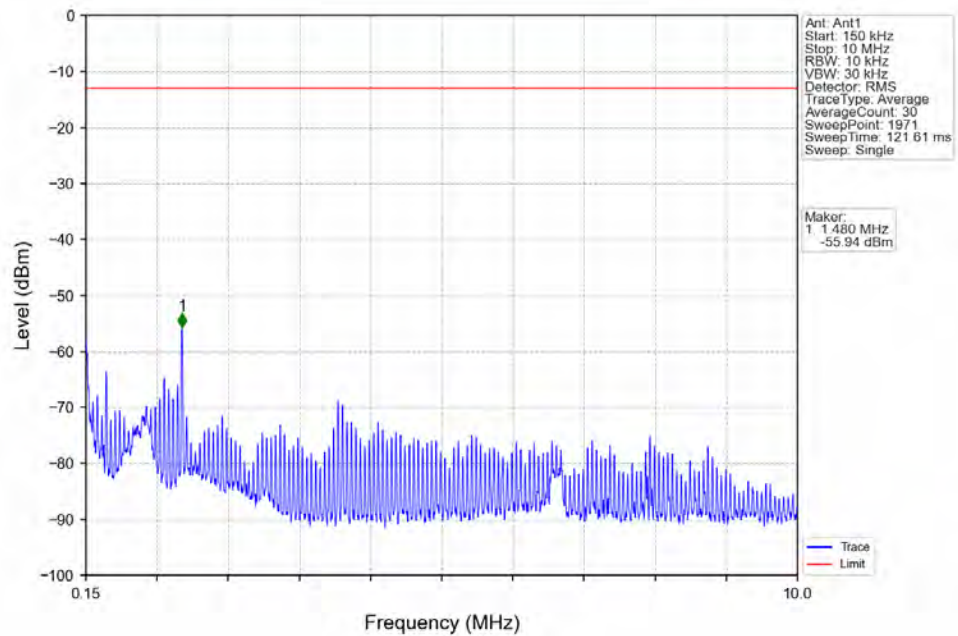
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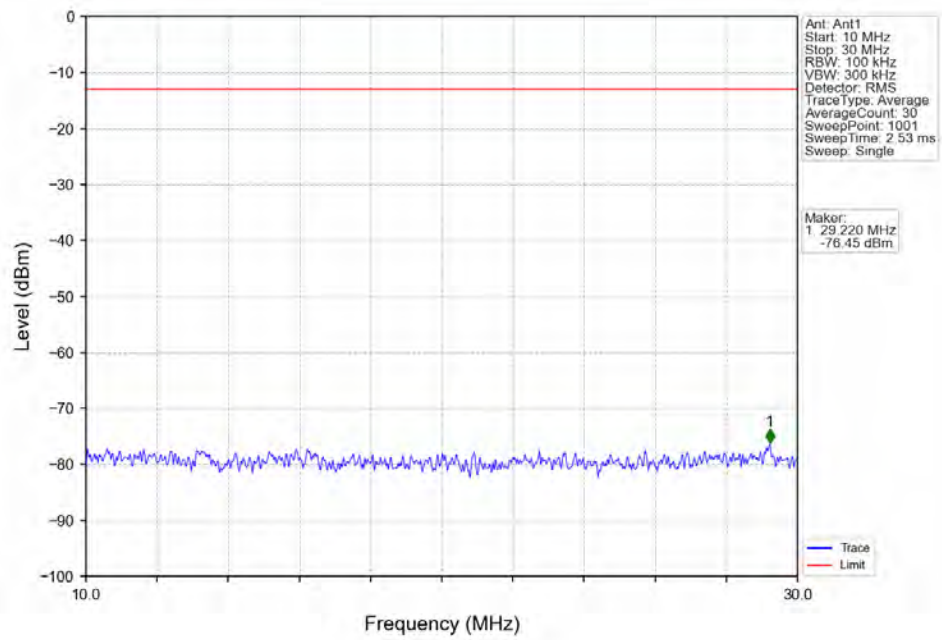
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTV



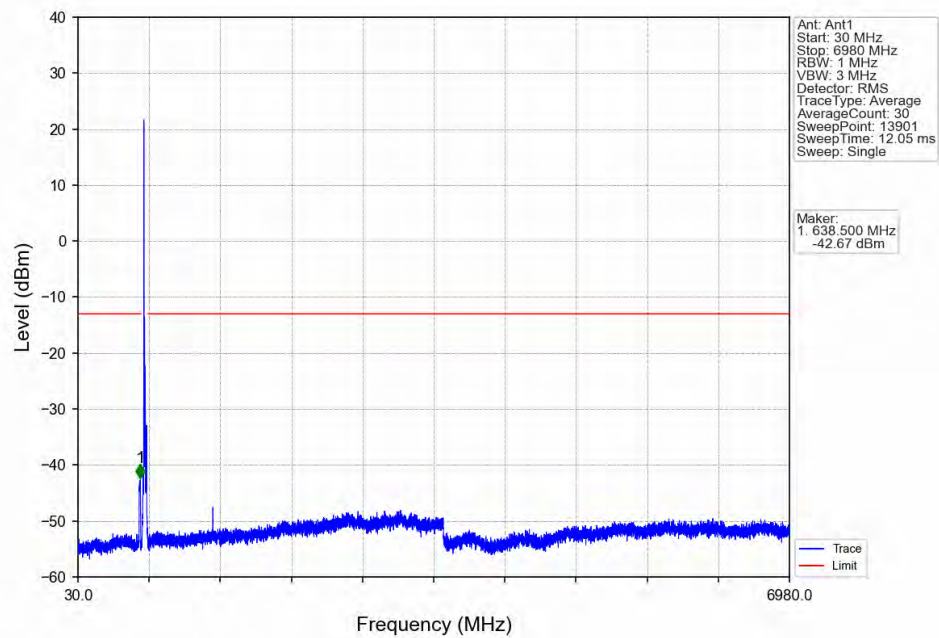
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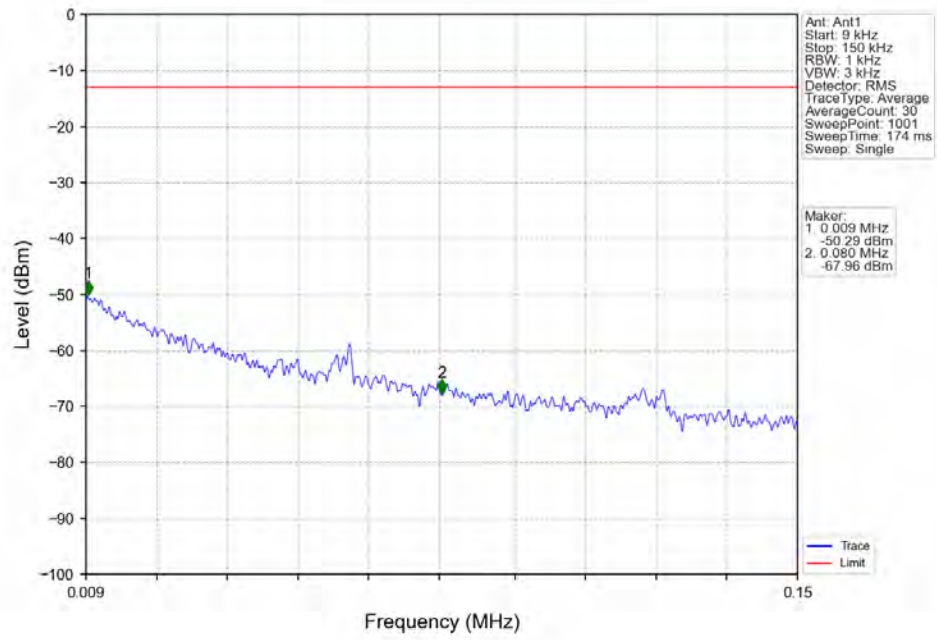
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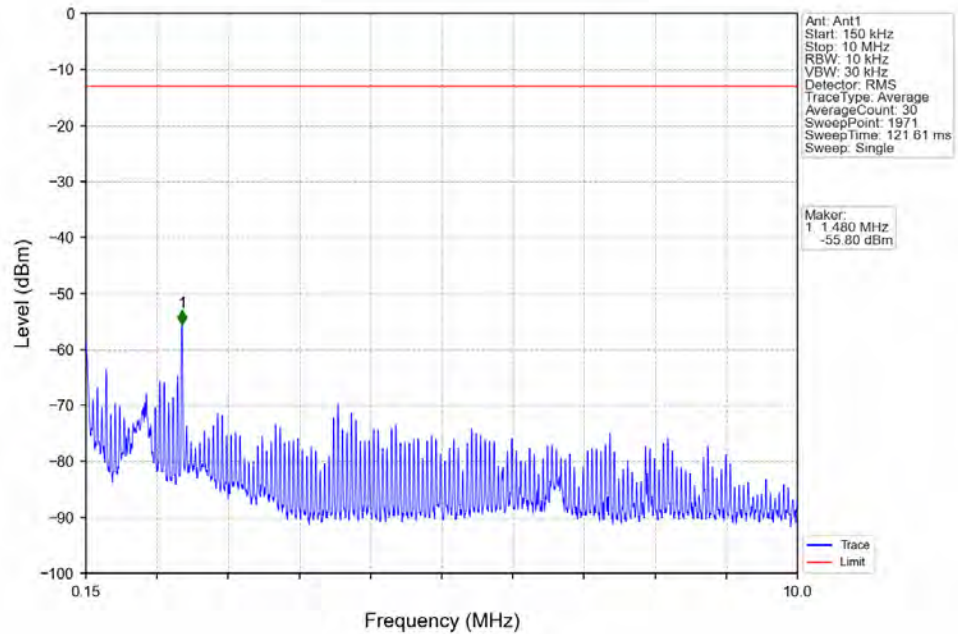
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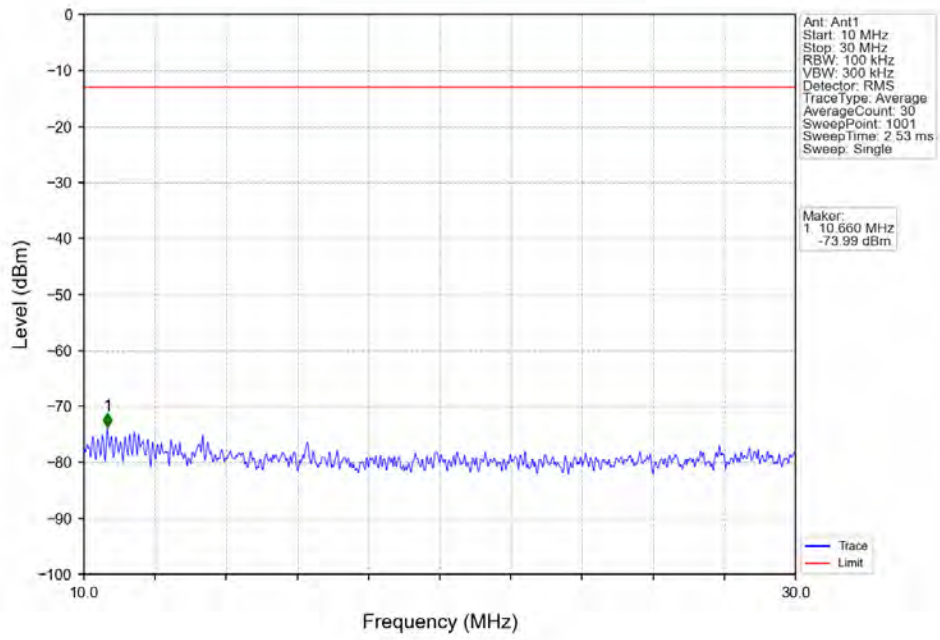
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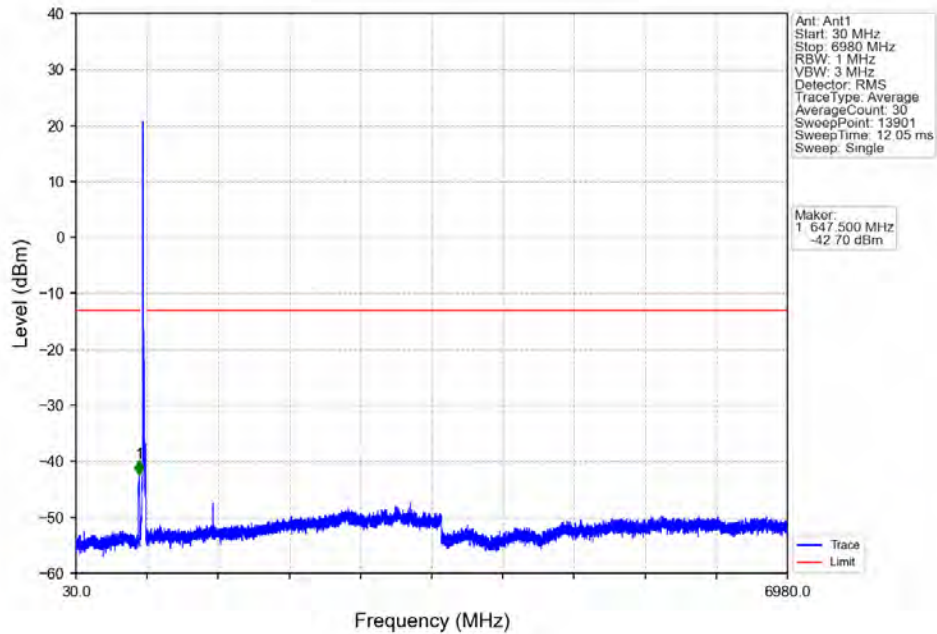
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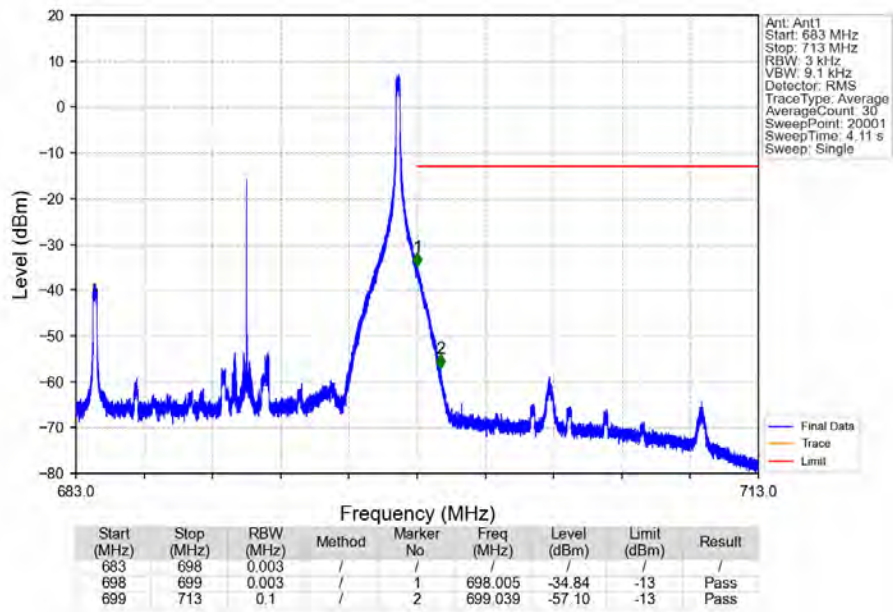
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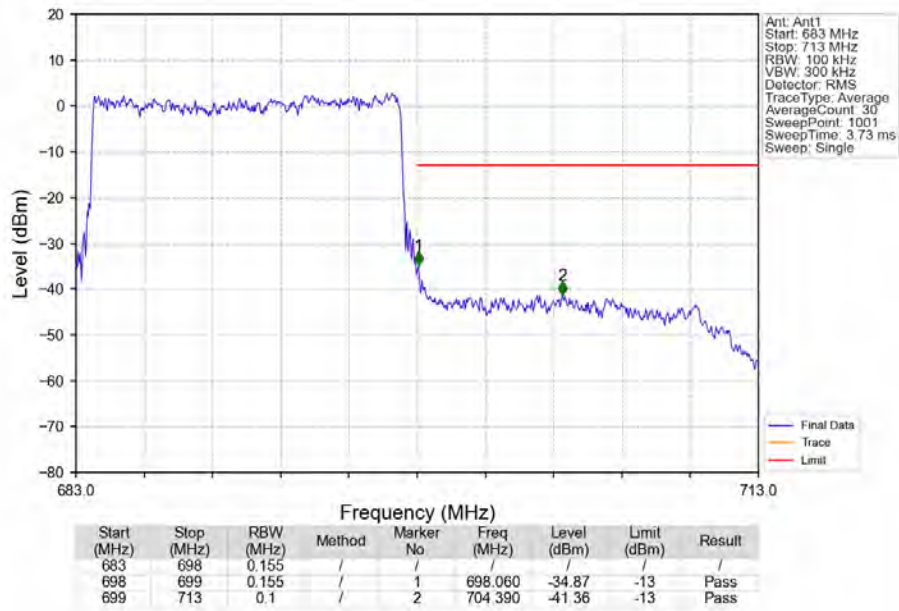
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Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



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

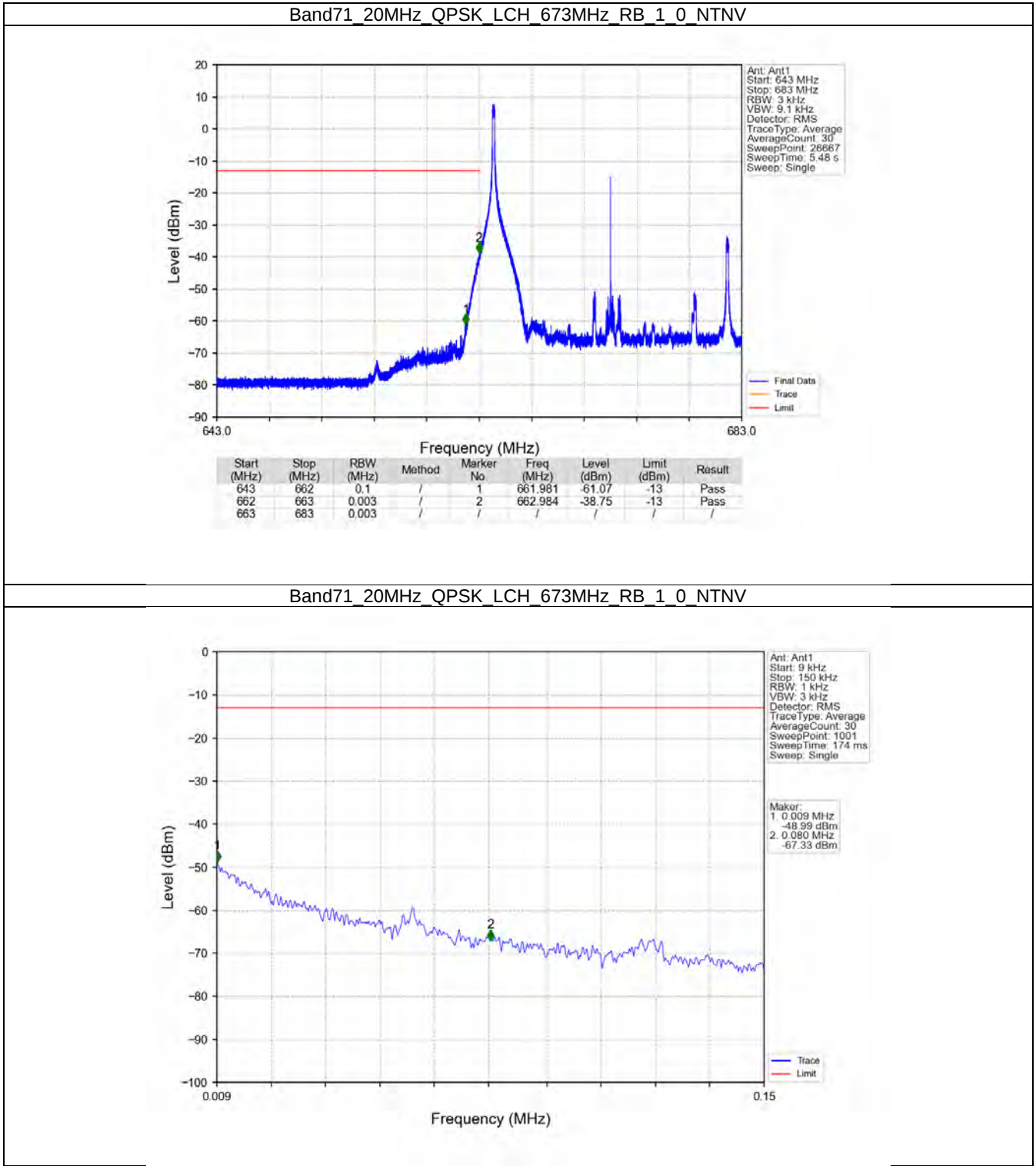


6.4 B71_20MHz

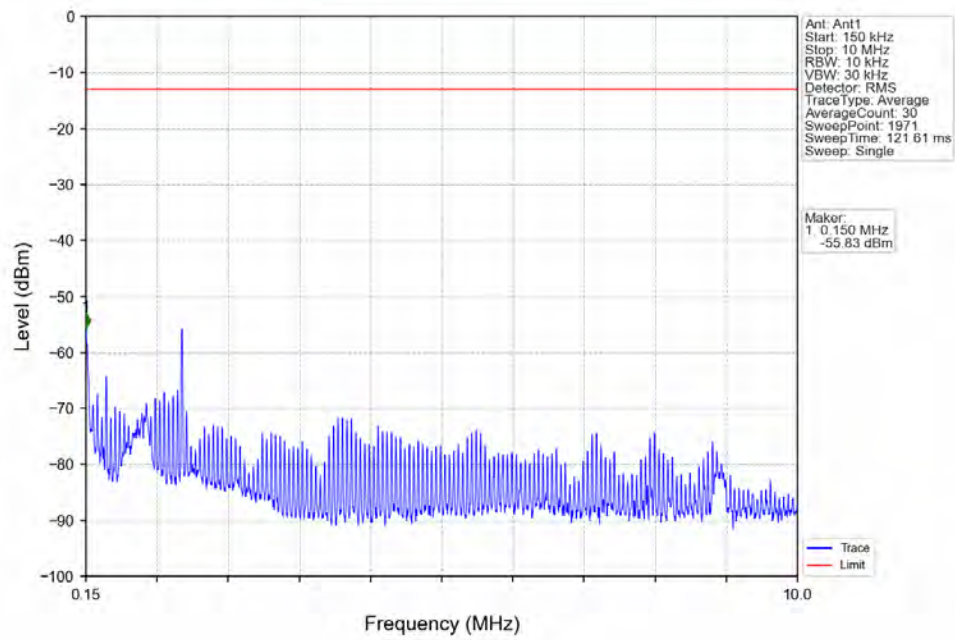
6.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV						
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

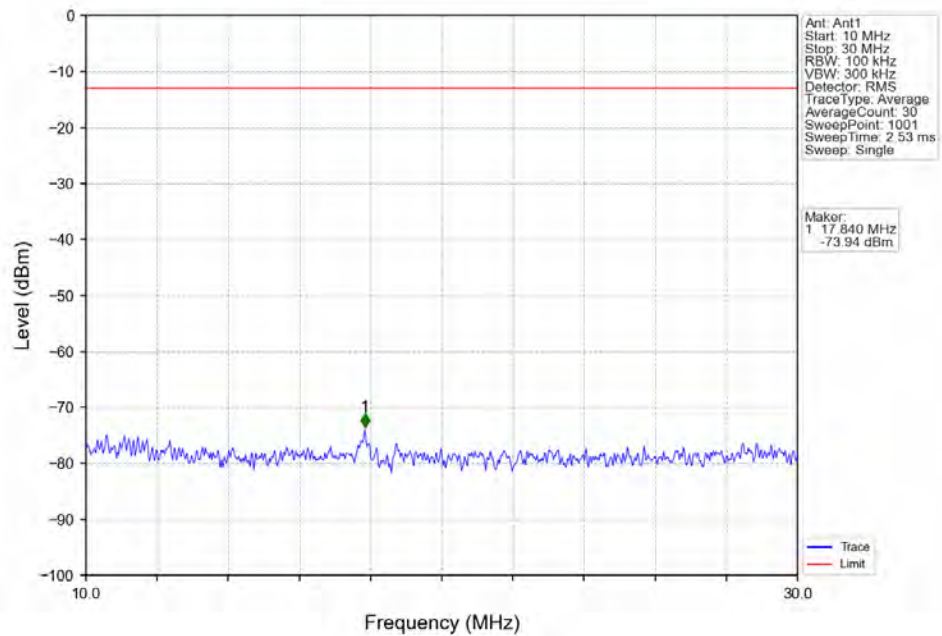
6.4.2 Test Graph



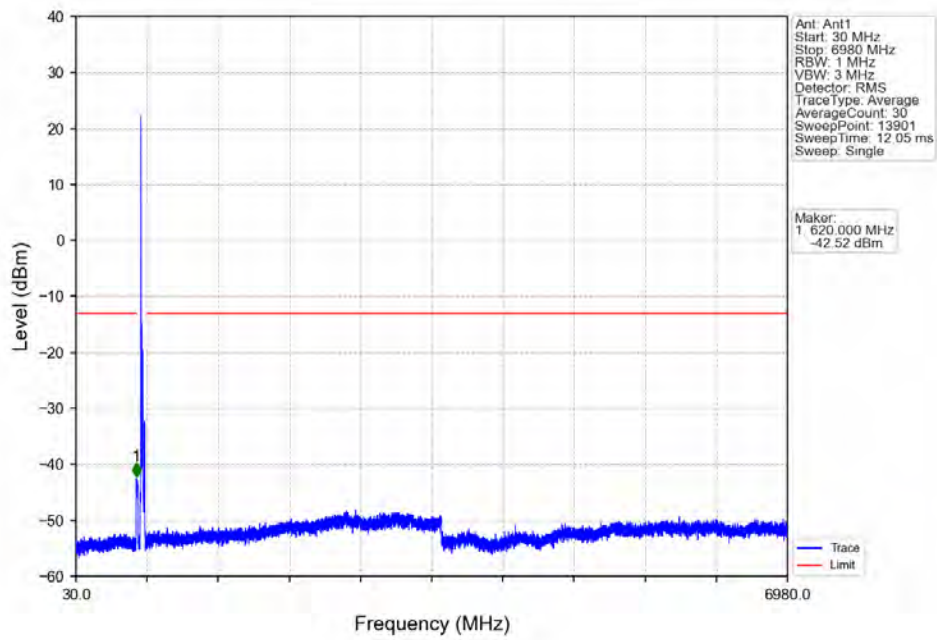
Band71_20MHz QPSK LCH 673MHz RB 1 0 NTN



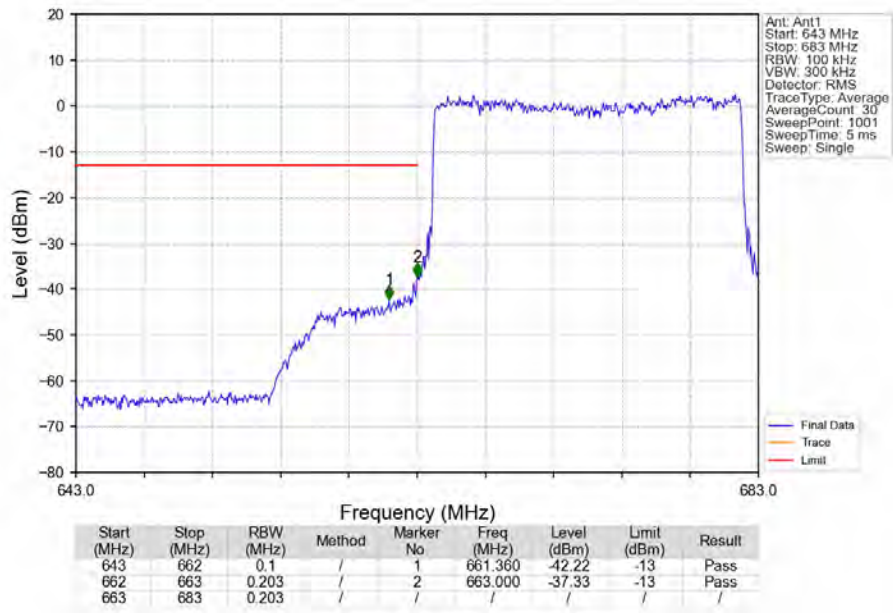
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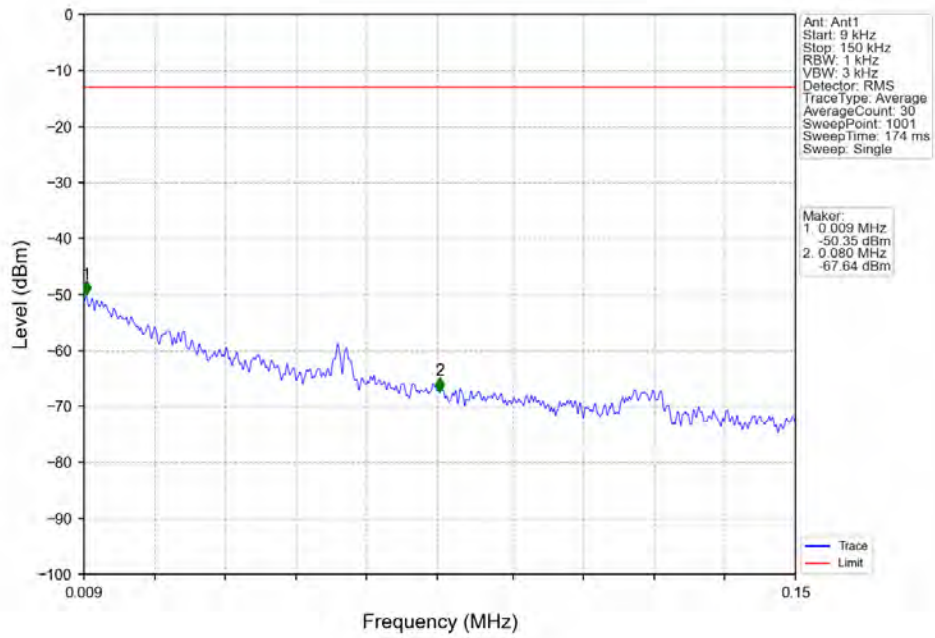
Band71_20MHz QPSK LCH 673MHz RB 1 0 NTN



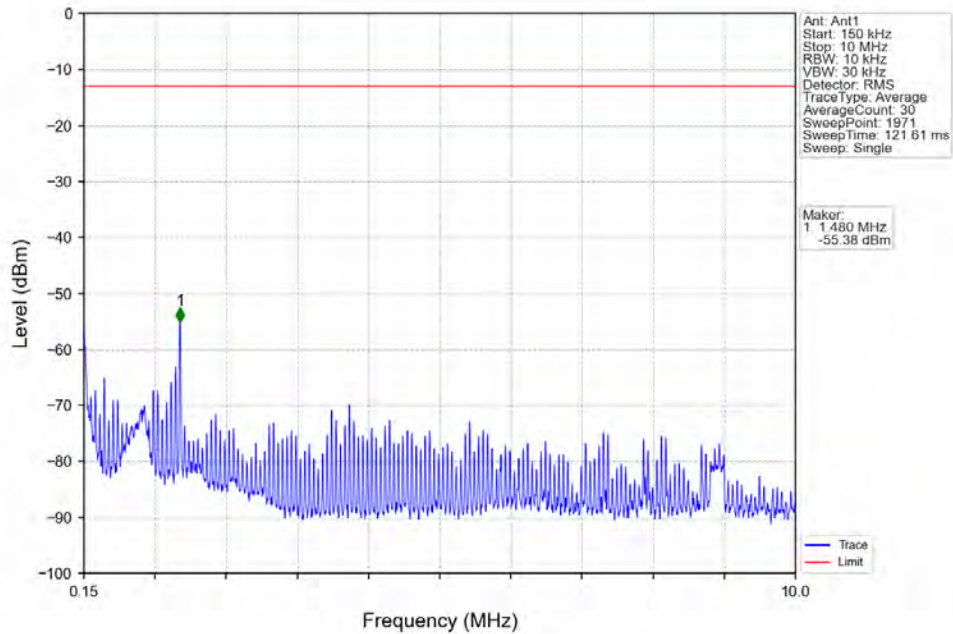
Band71_20MHz QPSK LCH 673MHz RB 100 0 NTN



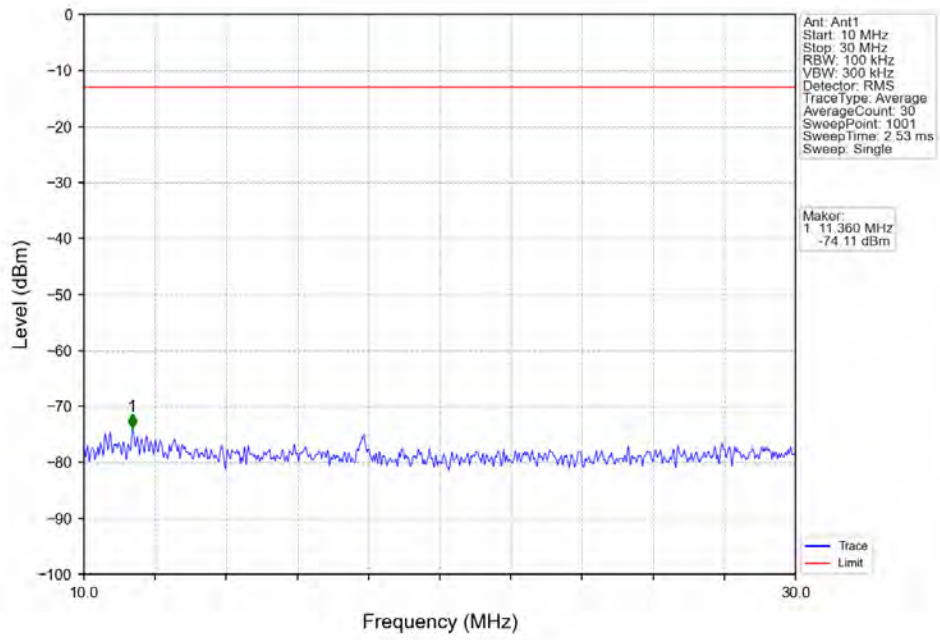
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



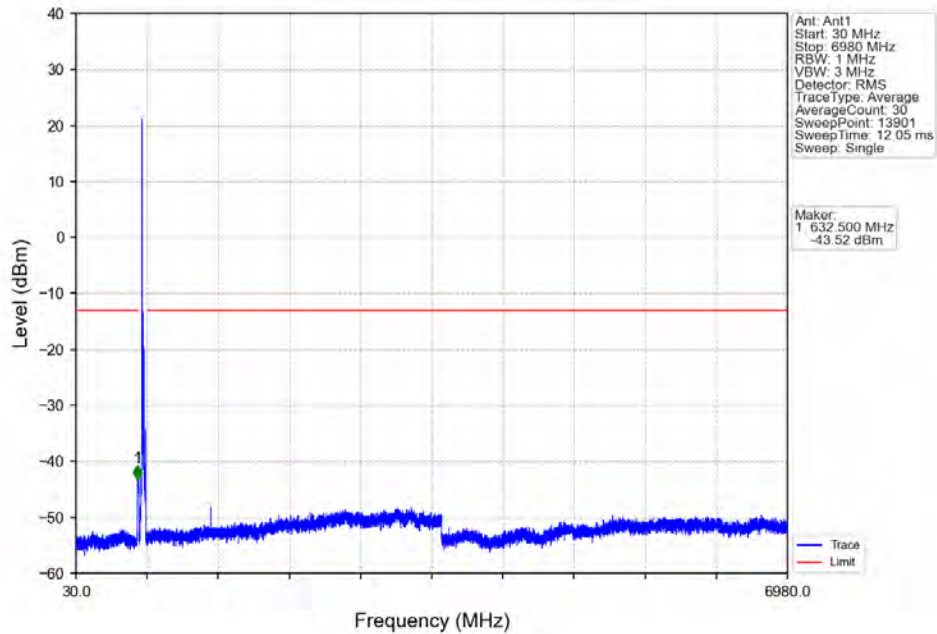
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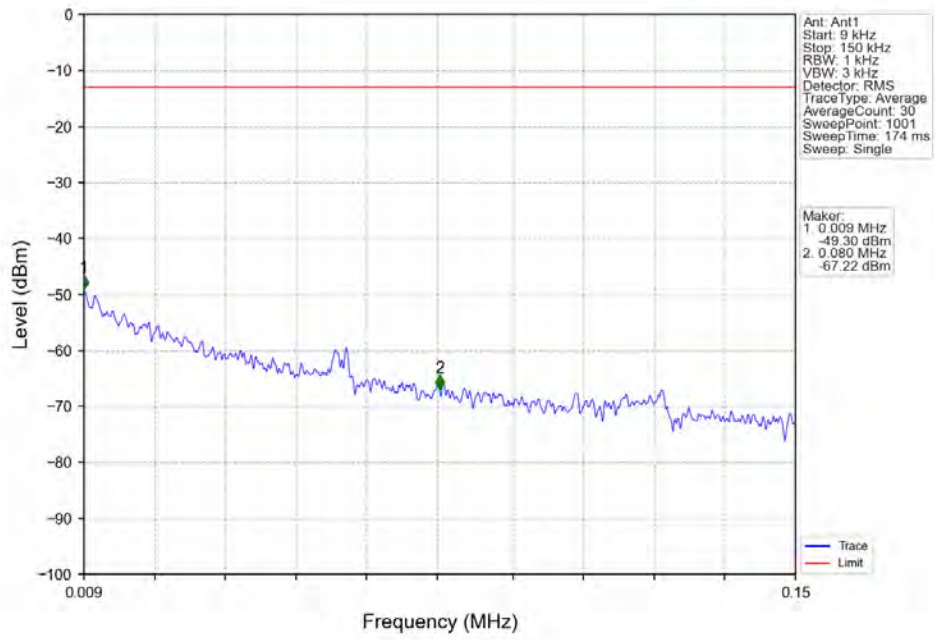
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



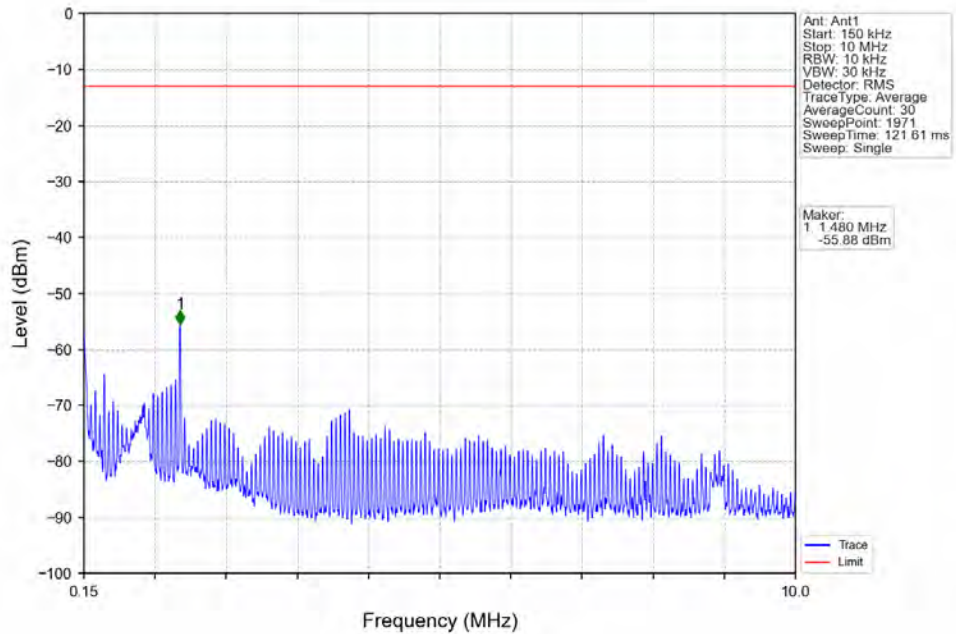
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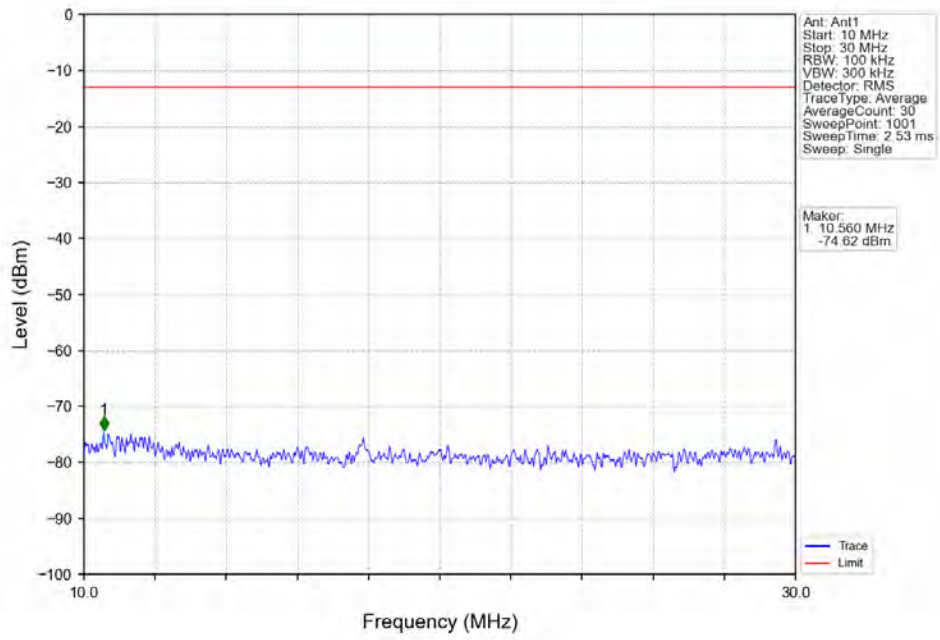
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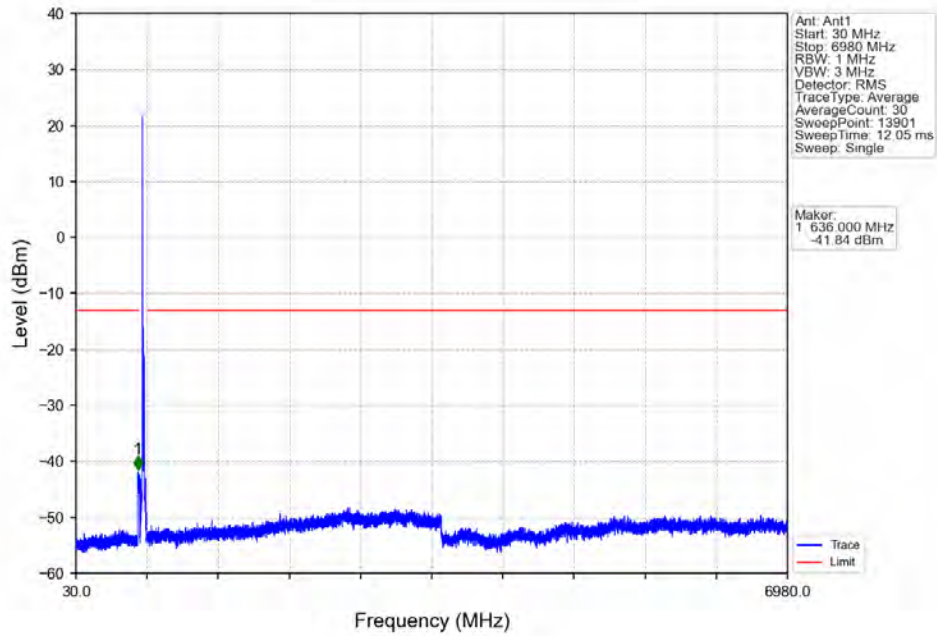
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



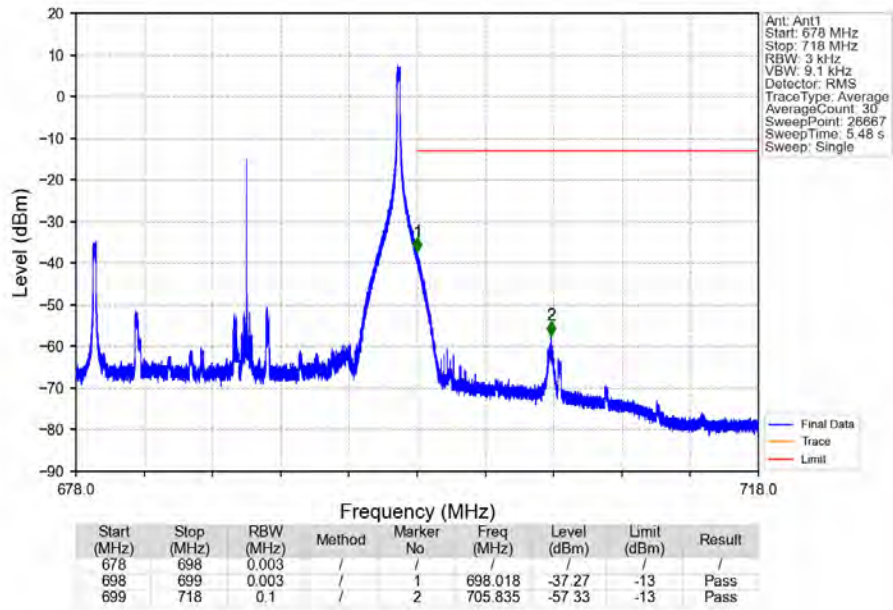
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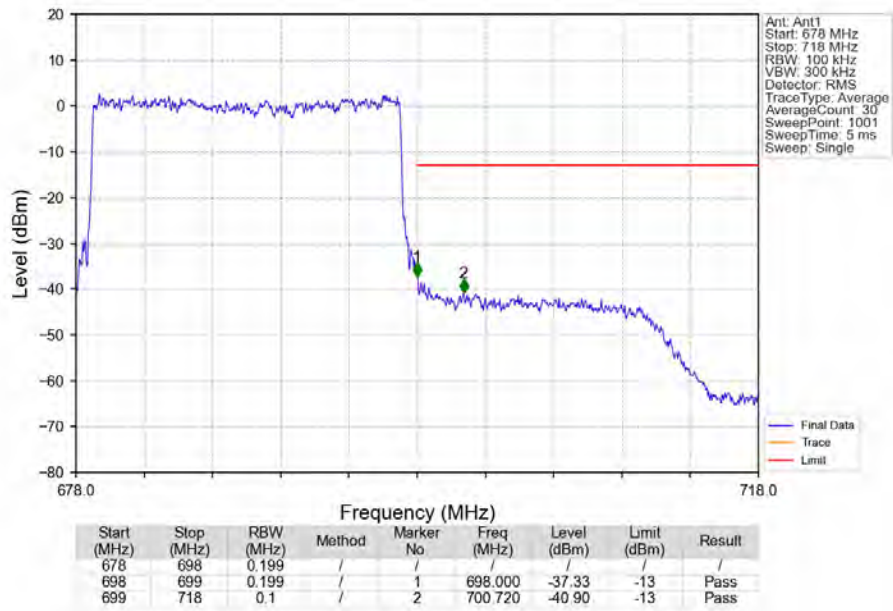
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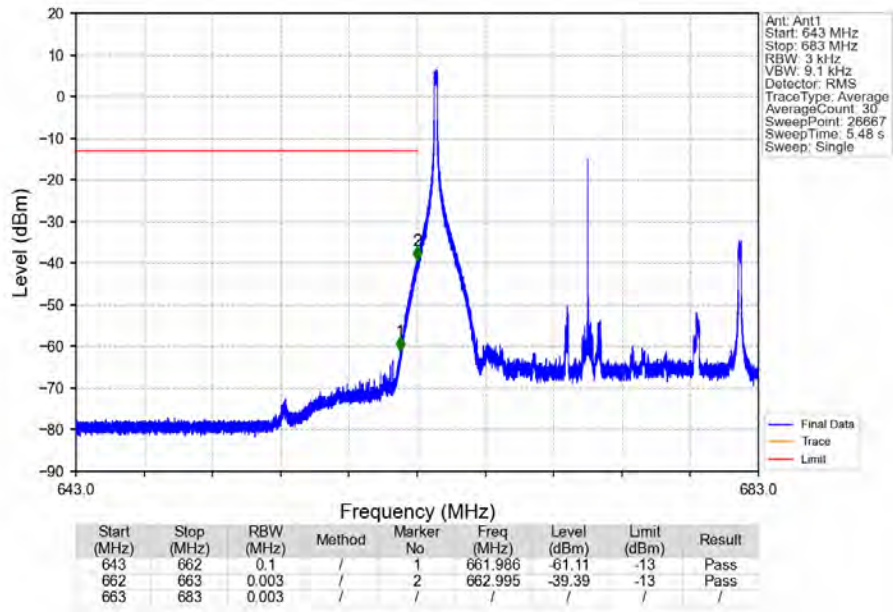
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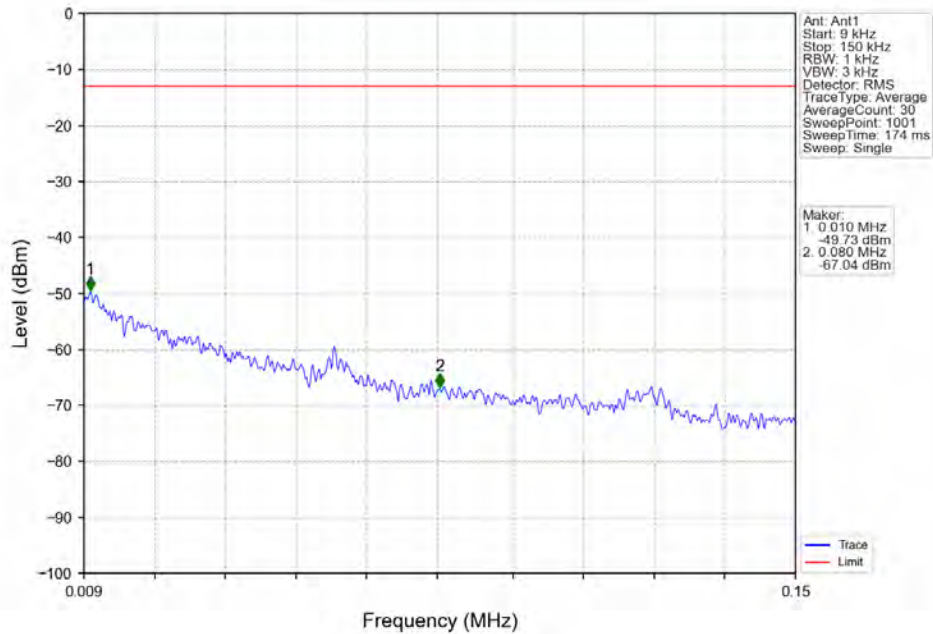
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



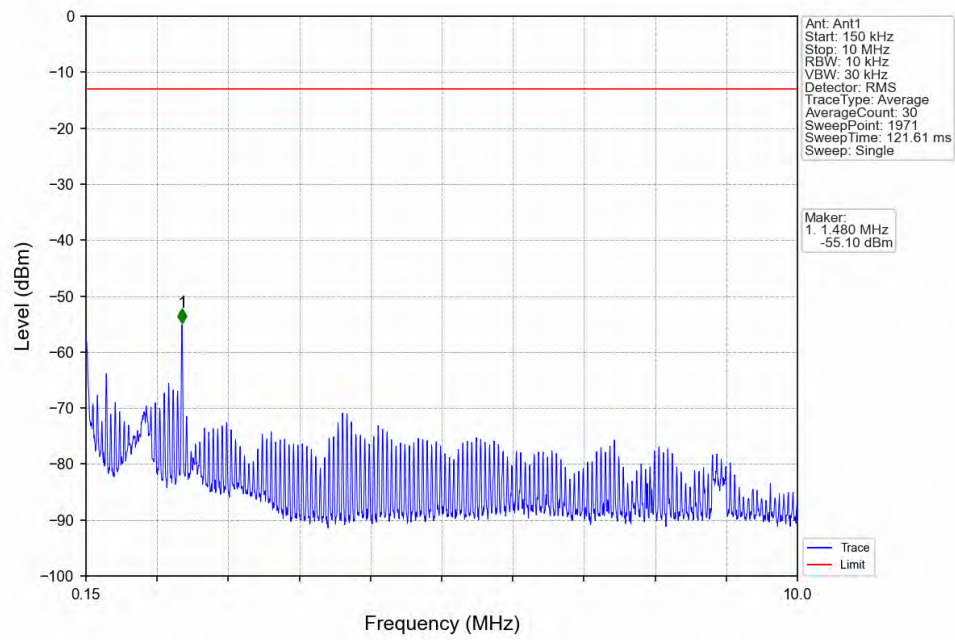
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



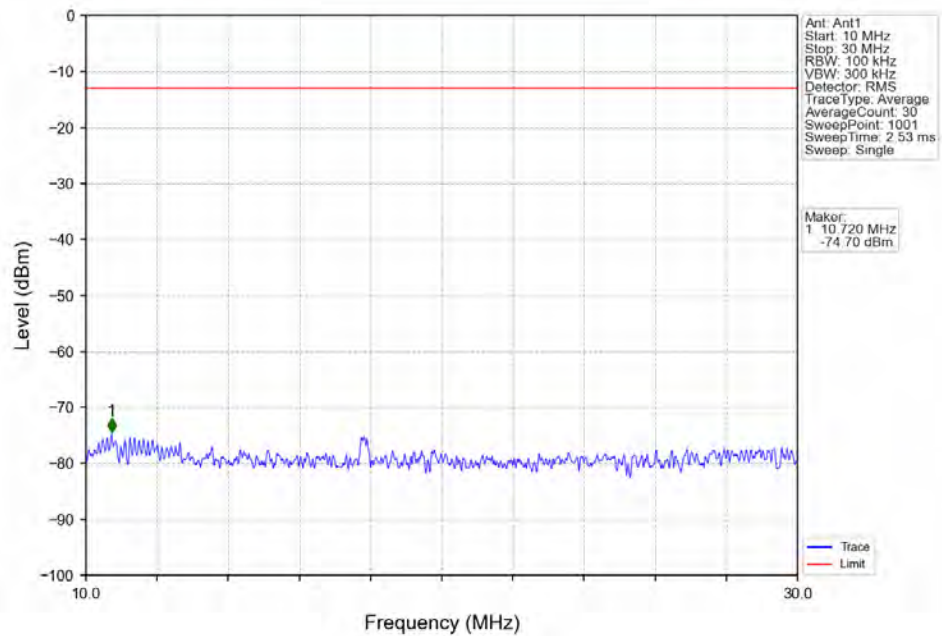
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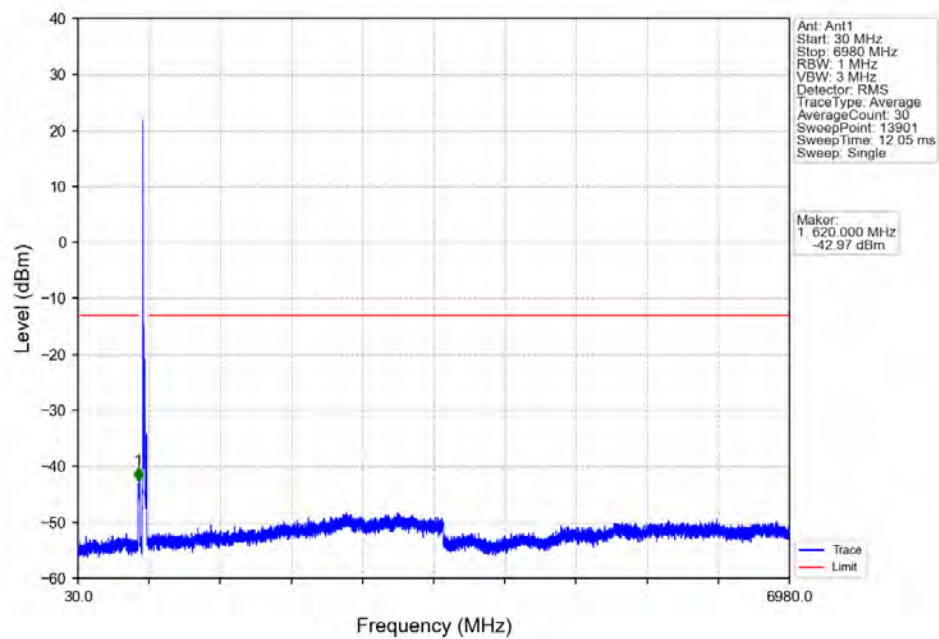
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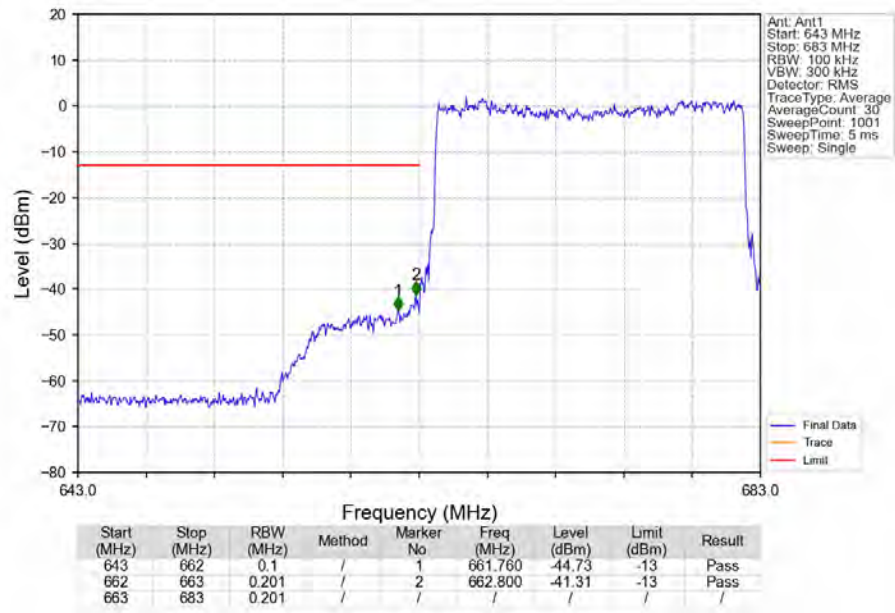
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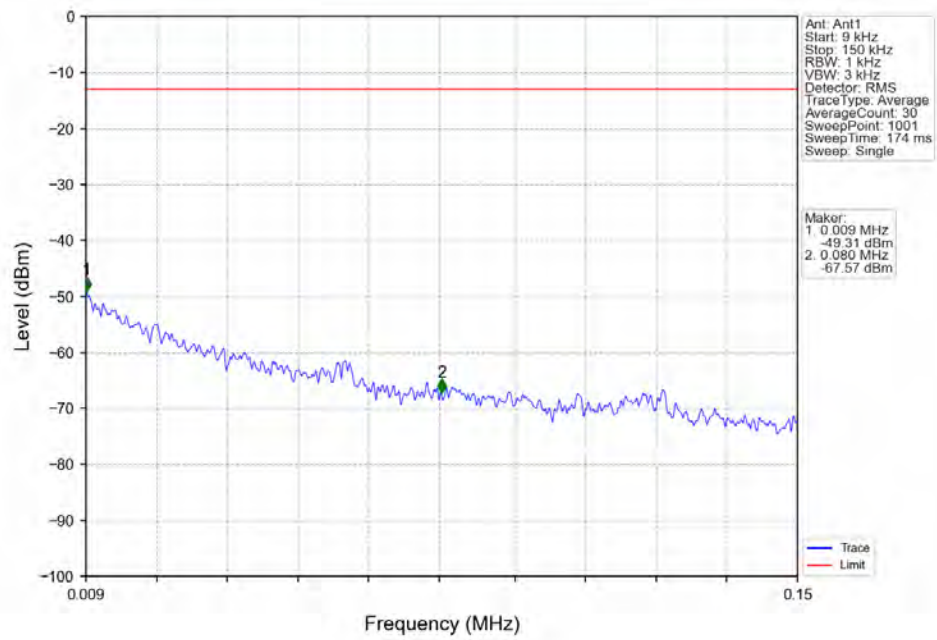
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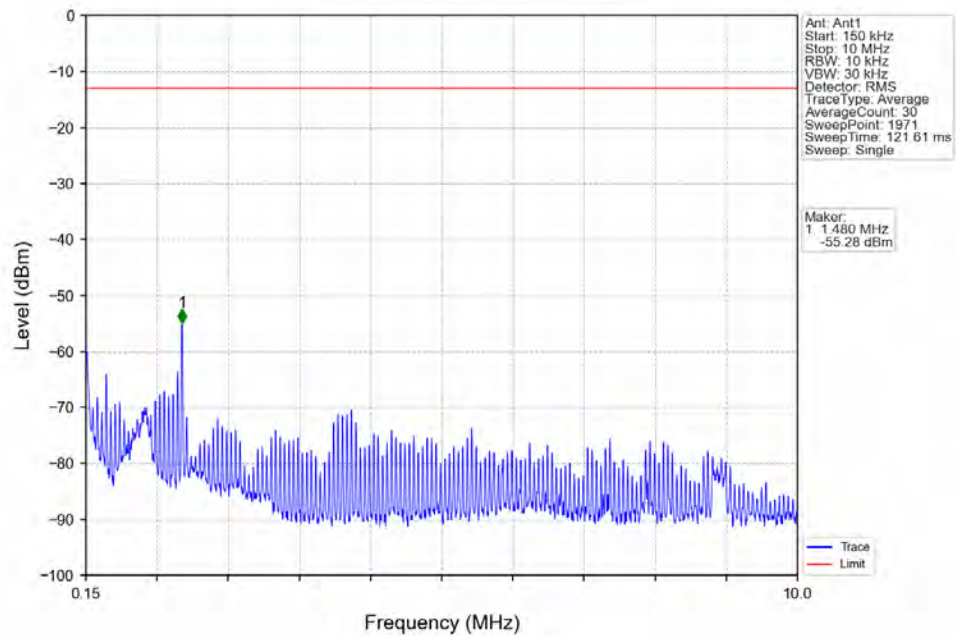
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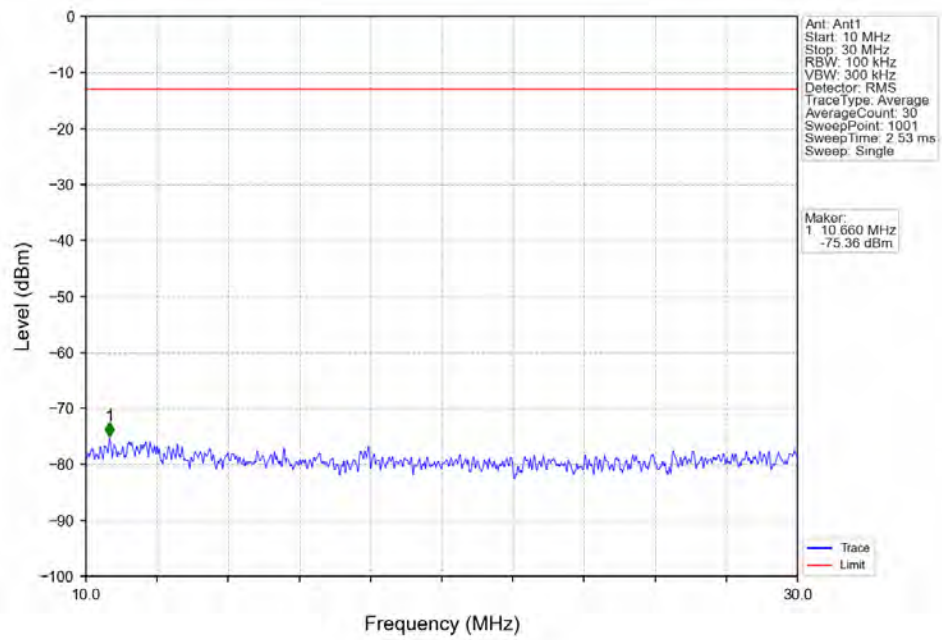
Band71 20MHz 16QAM MCH 683MHz RB 1 0 NTNV



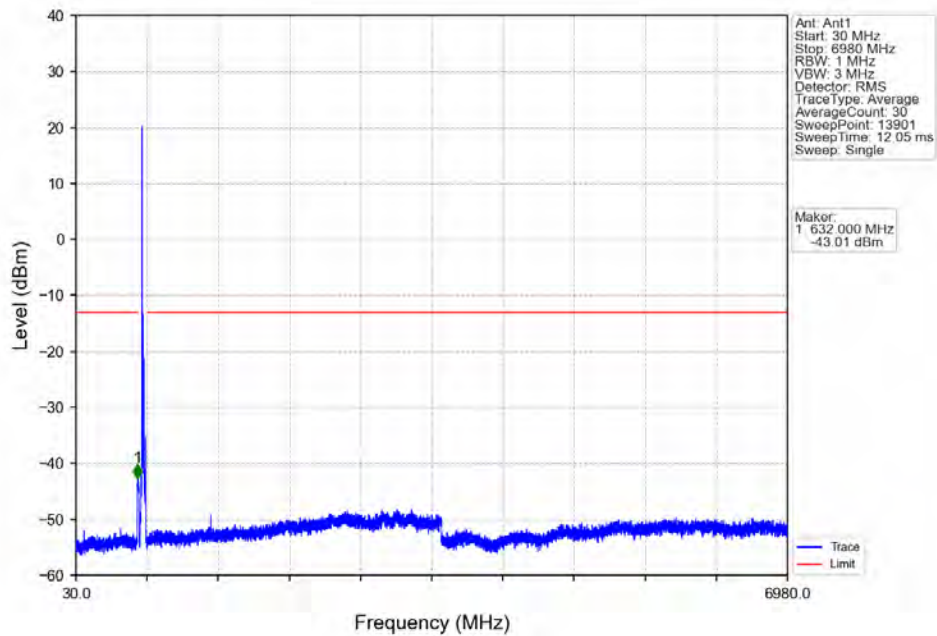
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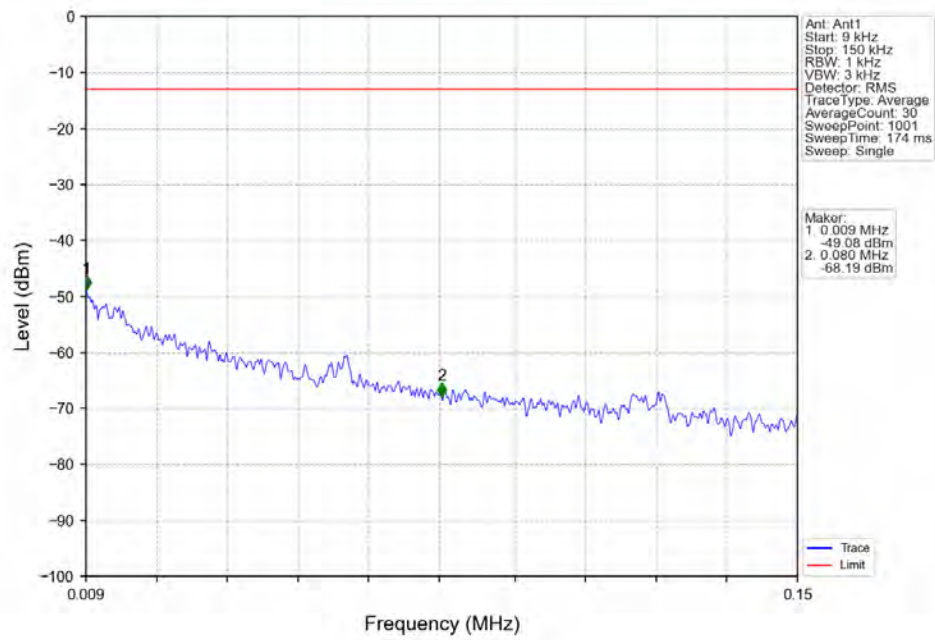
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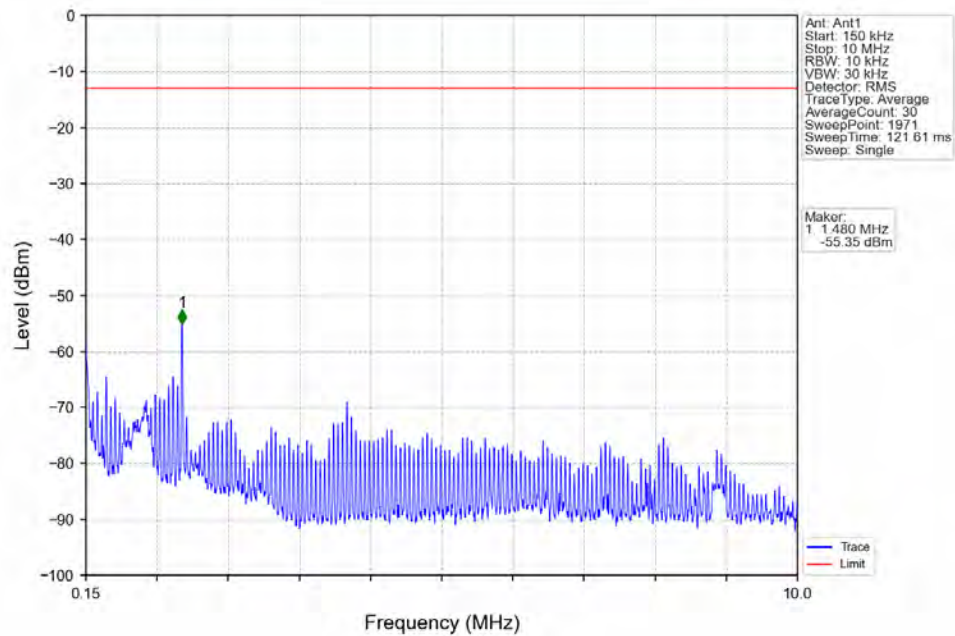
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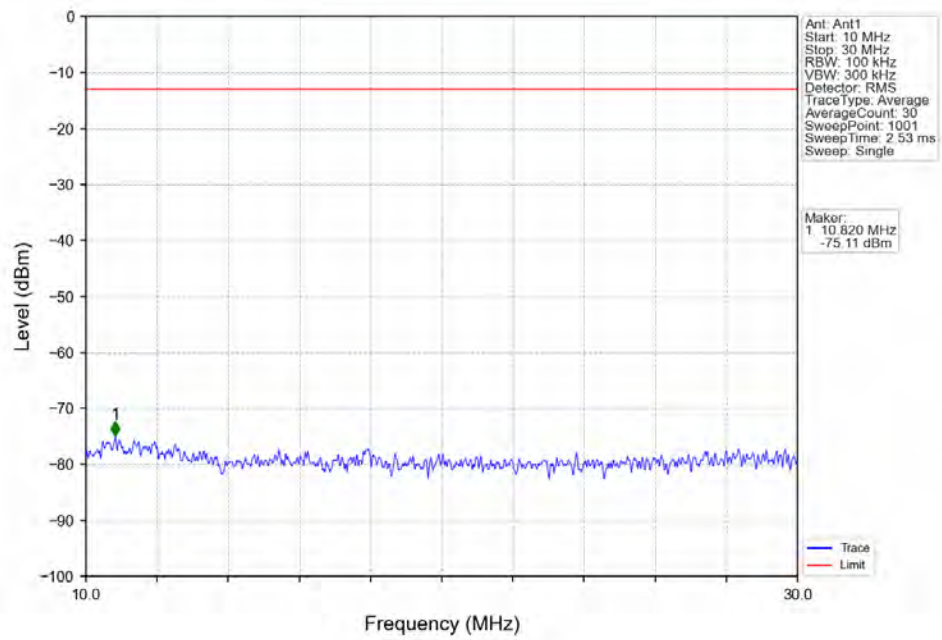
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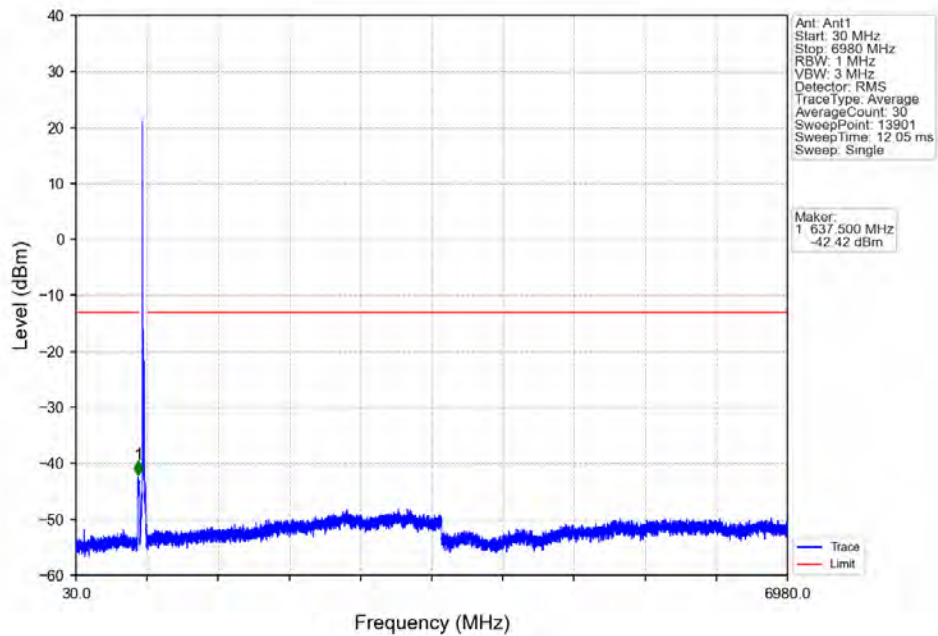
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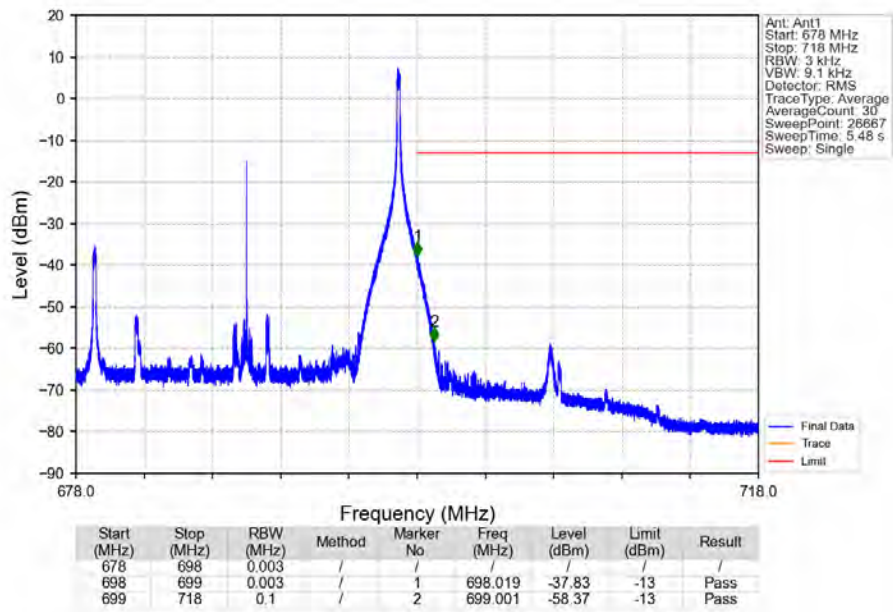
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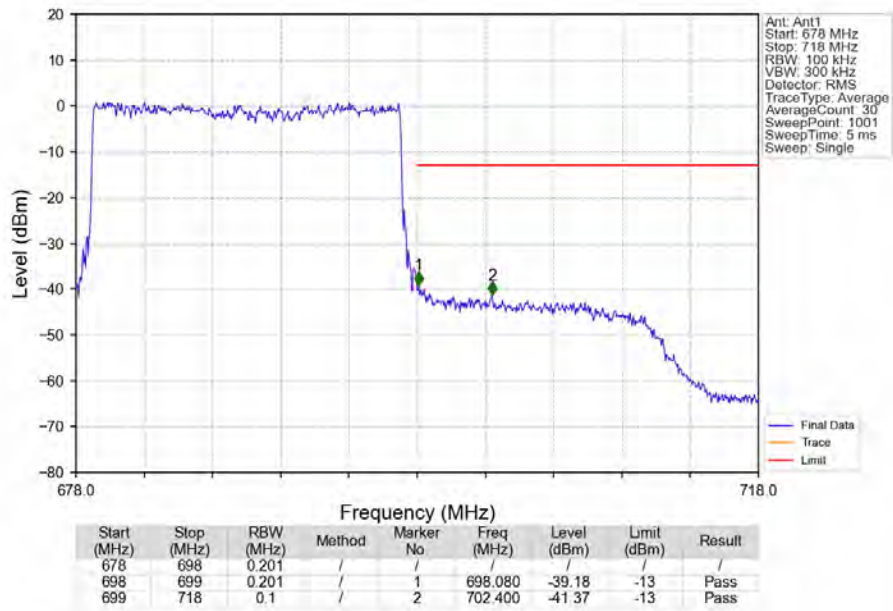
Band71 20MHz 16QAM HCH 688MHz RB 1 0 NTN



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



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



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	0.2344	0.0144	ppm	4M58G7D	27N	23.70
71	5	665.5	695.5	0.2014	0.0203	ppm	4M58W7D	27N	23.04
71	10	668	693	0.2366	0.0145	ppm	9M10G7D	27N	23.74
71	10	668	693	0.2018	0.0166	ppm	9M07W7D	27N	23.05
71	15	670.5	690.5	0.2323	0.0162	ppm	13M7G7D	27N	23.66
71	15	670.5	690.5	0.1795	0.0137	ppm	13M7W7D	27N	22.54
71	20	673	688	0.2333	0.0130	ppm	18M2G7D	27N	23.68
71	20	673	688	0.2023	0.0155	ppm	18M2W7D	27N	23.06

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	0.2582	0.0144	ppm	4M58G7D	27N	24.12
71	5	665.5	695.5	0.2218	0.0203	ppm	4M58W7D	27N	23.46
71	10	668	693	0.2606	0.0145	ppm	9M10G7D	27N	24.16
71	10	668	693	0.2223	0.0166	ppm	9M07W7D	27N	23.47
71	15	670.5	690.5	0.2559	0.0162	ppm	13M7G7D	27N	24.08
71	15	670.5	690.5	0.1977	0.0137	ppm	13M7W7D	27N	22.96
71	20	673	688	0.2570	0.0130	ppm	18M2G7D	27N	24.10
71	20	673	688	0.2228	0.0155	ppm	18M2W7D	27N	23.48