

1. Effective (Isotropic) Radiated Power Output Data

1.1 B71_5MHz_ERP

1.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	665.5	1	0	20.88	0.10	18.83	<=34.77	Pass		
			13	22.09	0.10	20.04	<=34.77	Pass		
			24	21.97	0.10	19.92	<=34.77	Pass		
		12	0	21.00	0.10	18.95	<=34.77	Pass		
			6	21.05	0.10	19.00	<=34.77	Pass		
			13	20.83	0.10	18.78	<=34.77	Pass		
		25	0	20.90	0.10	18.85	<=34.77	Pass		
		680.5	1	0	22.18	0.10	20.13	<=34.77	Pass	
				13	22.34	0.10	20.29	<=34.77	Pass	
	24			22.23	0.10	20.18	<=34.77	Pass		
	12		0	21.44	0.10	19.39	<=34.77	Pass		
			6	21.34	0.10	19.29	<=34.77	Pass		
			13	21.16	0.10	19.11	<=34.77	Pass		
	25		0	21.29	0.10	19.24	<=34.77	Pass		
	695.5		1	0	22.46	0.10	20.41	<=34.77	Pass	
				13	22.66	0.10	20.61	<=34.77	Pass	
		24		22.53	0.10	20.48	<=34.77	Pass		
		12	0	21.51	0.10	19.46	<=34.77	Pass		
			6	21.66	0.10	19.61	<=34.77	Pass		
			13	21.50	0.10	19.45	<=34.77	Pass		
		25	0	21.50	0.10	19.45	<=34.77	Pass		
		16QAM	665.5	1	0	21.00	0.10	18.95	<=34.77	Pass
					13	21.31	0.10	19.26	<=34.77	Pass
	24				21.19	0.10	19.14	<=34.77	Pass	
12	0			19.97	0.10	17.92	<=34.77	Pass		
	6			20.09	0.10	18.04	<=34.77	Pass		
	13			19.85	0.10	17.80	<=34.77	Pass		
25	0			19.90	0.10	17.85	<=34.77	Pass		
680.5	1			0	21.30	0.10	19.25	<=34.77	Pass	
				13	21.42	0.10	19.37	<=34.77	Pass	
			24	21.35	0.10	19.30	<=34.77	Pass		
	12		0	20.36	0.10	18.31	<=34.77	Pass		
			6	20.35	0.10	18.30	<=34.77	Pass		
			13	20.20	0.10	18.15	<=34.77	Pass		
	25		0	20.36	0.10	18.31	<=34.77	Pass		
	695.5		1	0	21.32	0.10	19.27	<=34.77	Pass	
				13	21.52	0.10	19.47	<=34.77	Pass	
24				21.40	0.10	19.35	<=34.77	Pass		
12			0	20.57	0.10	18.52	<=34.77	Pass		
			6	20.69	0.10	18.64	<=34.77	Pass		
			13	20.46	0.10	18.41	<=34.77	Pass		
25			0	20.58	0.10	18.53	<=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	21.94	0.10	19.89	<=34.77	Pass
			25	22.21	0.10	20.16	<=34.77	Pass
			49	22.04	0.10	19.99	<=34.77	Pass
		25	0	21.36	0.10	19.31	<=34.77	Pass
			13	21.12	0.10	19.07	<=34.77	Pass
			25	21.27	0.10	19.22	<=34.77	Pass
	50	0	21.26	0.10	19.21	<=34.77	Pass	
	680.5	1	0	22.18	0.10	20.13	<=34.77	Pass
			25	22.48	0.10	20.43	<=34.77	Pass
			49	22.31	0.10	20.26	<=34.77	Pass
		25	0	21.60	0.10	19.55	<=34.77	Pass
			13	21.40	0.10	19.35	<=34.77	Pass
			25	21.27	0.10	19.22	<=34.77	Pass
	50	0	21.48	0.10	19.43	<=34.77	Pass	
	693	1	0	22.33	0.10	20.28	<=34.77	Pass
			25	22.78	0.10	20.73	<=34.77	Pass
			49	22.60	0.10	20.55	<=34.77	Pass
		25	0	21.38	0.10	19.33	<=34.77	Pass
13			21.67	0.10	19.62	<=34.77	Pass	
25			21.54	0.10	19.49	<=34.77	Pass	
50	0	21.46	0.10	19.41	<=34.77	Pass		
16QAM	668	1	0	21.36	0.10	19.31	<=34.77	Pass
			25	21.83	0.10	19.78	<=34.77	Pass
			49	21.55	0.10	19.50	<=34.77	Pass
		25	0	20.40	0.10	18.35	<=34.77	Pass
			13	20.18	0.10	18.13	<=34.77	Pass
			25	20.34	0.10	18.29	<=34.77	Pass
	50	0	20.35	0.10	18.30	<=34.77	Pass	
	680.5	1	0	21.36	0.10	19.31	<=34.77	Pass
			25	21.65	0.10	19.60	<=34.77	Pass
			49	21.49	0.10	19.44	<=34.77	Pass
		25	0	20.63	0.10	18.58	<=34.77	Pass
			13	20.42	0.10	18.37	<=34.77	Pass
			25	20.30	0.10	18.25	<=34.77	Pass
	50	0	20.50	0.10	18.45	<=34.77	Pass	
	693	1	0	21.35	0.10	19.30	<=34.77	Pass
			25	21.76	0.10	19.71	<=34.77	Pass
			49	21.59	0.10	19.54	<=34.77	Pass
		25	0	20.51	0.10	18.46	<=34.77	Pass
13			20.74	0.10	18.69	<=34.77	Pass	
25			20.61	0.10	18.56	<=34.77	Pass	
50	0	20.50	0.10	18.45	<=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	21.79	0.10	19.74	<=34.77	Pass		
			38	22.03	0.10	19.98	<=34.77	Pass		
			74	22.07	0.10	20.02	<=34.77	Pass		
		36	0	21.19	0.10	19.14	<=34.77	Pass		
			18	21.09	0.10	19.04	<=34.77	Pass		
			39	21.38	0.10	19.33	<=34.77	Pass		
		75	0	21.27	0.10	19.22	<=34.77	Pass		
		680.5	1	0	21.95	0.10	19.90	<=34.77	Pass	
				38	22.32	0.10	20.27	<=34.77	Pass	
	74			22.17	0.10	20.12	<=34.77	Pass		
	36		0	21.38	0.10	19.33	<=34.77	Pass		
			18	21.31	0.10	19.26	<=34.77	Pass		
			39	21.32	0.10	19.27	<=34.77	Pass		
	75		0	21.33	0.10	19.28	<=34.77	Pass		
	690.5		1	0	22.10	0.10	20.05	<=34.77	Pass	
				38	22.53	0.10	20.48	<=34.77	Pass	
		74		22.47	0.10	20.42	<=34.77	Pass		
		36	0	21.22	0.10	19.17	<=34.77	Pass		
			18	21.51	0.10	19.46	<=34.77	Pass		
			39	21.62	0.10	19.57	<=34.77	Pass		
		75	0	21.46	0.10	19.41	<=34.77	Pass		
		16QAM	670.5	1	0	21.25	0.10	19.20	<=34.77	Pass
					38	21.55	0.10	19.50	<=34.77	Pass
	74				21.62	0.10	19.57	<=34.77	Pass	
36	0			20.19	0.10	18.14	<=34.77	Pass		
	18			20.09	0.10	18.04	<=34.77	Pass		
	39			20.36	0.10	18.31	<=34.77	Pass		
75	0			20.30	0.10	18.25	<=34.77	Pass		
680.5	1			0	21.11	0.10	19.06	<=34.77	Pass	
				38	21.45	0.10	19.40	<=34.77	Pass	
			74	21.38	0.10	19.33	<=34.77	Pass		
	36		0	20.34	0.10	18.29	<=34.77	Pass		
			18	20.34	0.10	18.29	<=34.77	Pass		
			39	20.31	0.10	18.26	<=34.77	Pass		
	75		0	20.33	0.10	18.28	<=34.77	Pass		
	690.5		1	0	21.50	0.10	19.45	<=34.77	Pass	
				38	21.84	0.10	19.79	<=34.77	Pass	
74				21.85	0.10	19.80	<=34.77	Pass		
36			0	20.24	0.10	18.19	<=34.77	Pass		
			18	20.45	0.10	18.40	<=34.77	Pass		
			39	20.60	0.10	18.55	<=34.77	Pass		
75			0	20.43	0.10	18.38	<=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	21.62	0.10	19.57	<=34.77	Pass
			50	22.22	0.10	20.17	<=34.77	Pass
			99	22.04	0.10	19.99	<=34.77	Pass
		50	0	21.04	0.10	18.99	<=34.77	Pass
			25	21.10	0.10	19.05	<=34.77	Pass
			50	20.95	0.10	18.90	<=34.77	Pass
	100	0	20.99	0.10	18.94	<=34.77	Pass	
	683	1	0	21.84	0.10	19.79	<=34.77	Pass
			50	22.45	0.10	20.40	<=34.77	Pass
			99	22.30	0.10	20.25	<=34.77	Pass
		50	0	21.60	0.10	19.55	<=34.77	Pass
			25	21.33	0.10	19.28	<=34.77	Pass
			50	21.73	0.10	19.68	<=34.77	Pass
	100	0	21.69	0.10	19.64	<=34.77	Pass	
	688	1	0	21.91	0.10	19.86	<=34.77	Pass
			50	22.48	0.10	20.43	<=34.77	Pass
			99	22.30	0.10	20.25	<=34.77	Pass
		50	0	21.44	0.10	19.39	<=34.77	Pass
25			21.45	0.10	19.40	<=34.77	Pass	
50			21.68	0.10	19.63	<=34.77	Pass	
100	0	21.55	0.10	19.50	<=34.77	Pass		
16QAM	673	1	0	20.83	0.10	18.78	<=34.77	Pass
			50	21.45	0.10	19.40	<=34.77	Pass
			99	21.27	0.10	19.22	<=34.77	Pass
		50	0	20.11	0.10	18.06	<=34.77	Pass
			25	20.10	0.10	18.05	<=34.77	Pass
			50	20.01	0.10	17.96	<=34.77	Pass
	100	0	20.00	0.10	17.95	<=34.77	Pass	
	683	1	0	21.00	0.10	18.95	<=34.77	Pass
			50	21.65	0.10	19.60	<=34.77	Pass
			99	21.46	0.10	19.41	<=34.77	Pass
		50	0	20.65	0.10	18.60	<=34.77	Pass
			25	20.36	0.10	18.31	<=34.77	Pass
			50	20.79	0.10	18.74	<=34.77	Pass
	100	0	20.67	0.10	18.62	<=34.77	Pass	
	688	1	0	21.46	0.10	19.41	<=34.77	Pass
			50	21.97	0.10	19.92	<=34.77	Pass
			99	21.90	0.10	19.85	<=34.77	Pass
		50	0	20.43	0.10	18.38	<=34.77	Pass
25			20.42	0.10	18.37	<=34.77	Pass	
50			20.67	0.10	18.62	<=34.77	Pass	
100	0	20.58	0.10	18.53	<=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	-7.997	-0.0120	-2.5 to 2.5	Pass
					3.85	-7.367	-0.0111	-2.5 to 2.5	Pass
					4.43	-8.612	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-8.454	-0.0127	-2.5 to 2.5	Pass
				-20	3.85	-9.384	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-10.858	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0109	-2.5 to 2.5	Pass
				30	3.85	-4.034	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass
	50	3.85	-7.725	-0.0116	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-3.519	-0.0052	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
					4.43	-5.264	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-7.453	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-8.769	-0.0129	-2.5 to 2.5	Pass
				-10	3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-7.067	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-6.237	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0093	-2.5 to 2.5	Pass
	50	3.85	-3.533	-0.0052	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-2.961	-0.0043	-2.5 to 2.5	Pass
					3.85	-8.454	-0.0122	-2.5 to 2.5	Pass
					4.43	-7.625	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-10.128	-0.0146	-2.5 to 2.5	Pass
				-20	3.85	-5.922	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-5.536	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-7.896	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-10.242	-0.0147	-2.5 to 2.5	Pass
30				3.85	-7.796	-0.0112	-2.5 to 2.5	Pass	
40				3.85	-4.606	-0.0066	-2.5 to 2.5	Pass	
50	3.85	-4.563	-0.0066	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-8.097	-0.0122	-2.5 to 2.5	Pass
					3.85	-5.350	-0.0080	-2.5 to 2.5	Pass
					4.43	-10.486	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	8.039	0.0121	-2.5 to 2.5	Pass
				0	3.85	-3.405	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-6.752	-0.0101	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-8.540	-0.0128	-2.5 to 2.5	Pass
	50	3.85	-9.227	-0.0139	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-8.640	-0.0127	-2.5 to 2.5	Pass

					3.85	-2.317	-0.0034	-2.5 to 2.5	Pass	
					4.43	-4.048	-0.0059	-2.5 to 2.5	Pass	
				-30	3.85	-5.593	-0.0082	-2.5 to 2.5	Pass	
				-20	3.85	-7.181	-0.0106	-2.5 to 2.5	Pass	
				-10	3.85	-6.852	-0.0101	-2.5 to 2.5	Pass	
				0	3.85	-5.407	-0.0079	-2.5 to 2.5	Pass	
				10	3.85	-10.257	-0.0151	-2.5 to 2.5	Pass	
				30	3.85	-7.396	-0.0109	-2.5 to 2.5	Pass	
				40	3.85	-5.908	-0.0087	-2.5 to 2.5	Pass	
				50	3.85	-8.855	-0.0130	-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	-6.509	-0.0094	-2.5 to 2.5	Pass
						4.43	-7.596	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-8.583	-0.0123	-2.5 to 2.5	Pass	
				-20	3.85	-5.593	-0.0080	-2.5 to 2.5	Pass	
				-10	3.85	-5.178	-0.0074	-2.5 to 2.5	Pass	
				0	3.85	-7.896	-0.0114	-2.5 to 2.5	Pass	
				10	3.85	-8.183	-0.0118	-2.5 to 2.5	Pass	
				30	3.85	-10.142	-0.0146	-2.5 to 2.5	Pass	
				40	3.85	-4.134	-0.0059	-2.5 to 2.5	Pass	
50	3.85	-6.595	-0.0095	-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	-7.682	-0.0115	-2.5 to 2.5	Pass
						3.85	-4.563	-0.0068	-2.5 to 2.5	Pass
						4.43	-8.354	-0.0125	-2.5 to 2.5	Pass
				-30	3.85	-8.612	-0.0129	-2.5 to 2.5	Pass	
				-20	3.85	-7.381	-0.0110	-2.5 to 2.5	Pass	
				-10	3.85	-7.539	-0.0113	-2.5 to 2.5	Pass	
				0	3.85	-5.622	-0.0084	-2.5 to 2.5	Pass	
				10	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass	
				30	3.85	-5.407	-0.0081	-2.5 to 2.5	Pass	
				40	3.85	-4.950	-0.0074	-2.5 to 2.5	Pass	
	50	3.85	-6.938	-0.0104	-2.5 to 2.5	Pass				
	680.5	50	0	20		3.27	-7.339	-0.0108	-2.5 to 2.5	Pass
						3.85	-8.998	-0.0132	-2.5 to 2.5	Pass
						4.43	-5.207	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-5.951	-0.0087	-2.5 to 2.5	Pass	
				-20	3.85	-5.994	-0.0088	-2.5 to 2.5	Pass	
				-10	3.85	-7.181	-0.0106	-2.5 to 2.5	Pass	
				0	3.85	-6.738	-0.0099	-2.5 to 2.5	Pass	
				10	3.85	-5.107	-0.0075	-2.5 to 2.5	Pass	
				30	3.85	-6.595	-0.0097	-2.5 to 2.5	Pass	
40				3.85	-6.595	-0.0097	-2.5 to 2.5	Pass		
50	3.85	-8.469	-0.0124	-2.5 to 2.5	Pass					
693	50	0	20		3.27	-6.151	-0.0089	-2.5 to 2.5	Pass	
					3.85	-8.183	-0.0118	-2.5 to 2.5	Pass	



					4.43	-8.097	-0.0117	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-6.194	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-9.170	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-5.951	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.665	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-7.739	-0.0112	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-7.210	-0.0104	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-4.635	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.081	-0.0106	-2.5 to 2.5	Pass
					4.43	-6.652	-0.0100	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-3.762	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-7.510	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-5.622	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-4.492	-0.0067	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-7.138	-0.0105	-2.5 to 2.5	Pass
					3.85	-6.294	-0.0092	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-3.905	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-7.281	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-9.856	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-8.326	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-9.756	-0.0143	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0111	-2.5 to 2.5	Pass
	50	3.85	-5.836	-0.0086	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	-9.856	-0.0142	-2.5 to 2.5	Pass
					3.85	-7.324	-0.0106	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-9.484	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-8.669	-0.0125	-2.5 to 2.5	Pass
				-10	3.85	-5.736	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-5.779	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-8.082	-0.0117	-2.5 to 2.5	Pass
30				3.85	-7.811	-0.0113	-2.5 to 2.5	Pass	
40				3.85	-7.038	-0.0102	-2.5 to 2.5	Pass	
50	3.85	-8.097	-0.0117	-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	-6.266	-0.0093	-2.5 to 2.5	Pass
					3.85	-7.353	-0.0110	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0112	-2.5 to 2.5	Pass

				-30	3.85	-8.097	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-9.012	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-8.826	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-6.423	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-4.606	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-7.124	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-4.120	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0087	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-5.865	-0.0086	-2.5 to 2.5	Pass
					3.85	-7.524	-0.0111	-2.5 to 2.5	Pass
					4.43	-6.351	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-8.125	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-5.708	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-6.895	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0074	-2.5 to 2.5	Pass
				690.5	75	0	20	3.27	-4.563
	3.85	-5.751	-0.0083					-2.5 to 2.5	Pass
	4.43	-5.651	-0.0082					-2.5 to 2.5	Pass
	-30	3.85	-5.221				-0.0076	-2.5 to 2.5	Pass
	-20	3.85	-4.992				-0.0072	-2.5 to 2.5	Pass
	-10	3.85	-4.592				-0.0067	-2.5 to 2.5	Pass
	0	3.85	-2.818				-0.0041	-2.5 to 2.5	Pass
	10	3.85	-8.140				-0.0118	-2.5 to 2.5	Pass
	30	3.85	-6.194				-0.0090	-2.5 to 2.5	Pass
40	3.85	-8.125	-0.0118				-2.5 to 2.5	Pass	
50	3.85	-3.977	-0.0058				-2.5 to 2.5	Pass	
16QAM	670.5	75	0				20	3.27	-7.553
				3.85	-5.565	-0.0083		-2.5 to 2.5	Pass
				4.43	-6.237	-0.0093		-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-7.696	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-4.721	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-4.363	-0.0065	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-4.206	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0088	-2.5 to 2.5	Pass
				680.5	75	0	20	3.27	-7.067
	3.85	-9.670	-0.0142					-2.5 to 2.5	Pass
	4.43	-8.054	-0.0118					-2.5 to 2.5	Pass
	-30	3.85	-7.725				-0.0114	-2.5 to 2.5	Pass
	-20	3.85	-10.171				-0.0149	-2.5 to 2.5	Pass
	-10	3.85	-8.268				-0.0121	-2.5 to 2.5	Pass
	0	3.85	-9.041				-0.0133	-2.5 to 2.5	Pass
	10	3.85	-9.184				-0.0135	-2.5 to 2.5	Pass
	30	3.85	-9.084				-0.0133	-2.5 to 2.5	Pass
	40	3.85	-11.330				-0.0166	-2.5 to 2.5	Pass
	50	3.85	-8.025				-0.0118	-2.5 to 2.5	Pass
	690.5	75	0				20	3.27	-4.592
				3.85	-9.012	-0.0131		-2.5 to 2.5	Pass
				4.43	-6.638	-0.0096		-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0068	-2.5 to 2.5	Pass



				-20	3.85	-2.704	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-8.526	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0130	-2.5 to 2.5	Pass
				10	3.85	-7.610	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-4.249	-0.0062	-2.5 to 2.5	Pass
				50	3.85	-5.965	-0.0086	-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	-7.539	-0.0112	-2.5 to 2.5	Pass
					3.85	-7.782	-0.0116	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-5.808	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-8.798	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-6.795	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-7.582	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0043	-2.5 to 2.5	Pass
	40	3.85	-4.807	-0.0071	-2.5 to 2.5	Pass			
	50	3.85	-8.397	-0.0125	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-7.625	-0.0112	-2.5 to 2.5	Pass
					3.85	-4.263	-0.0062	-2.5 to 2.5	Pass
					4.43	-5.894	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-6.423	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-9.055	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-8.483	-0.0124	-2.5 to 2.5	Pass
				30	3.85	-5.264	-0.0077	-2.5 to 2.5	Pass
	40	3.85	-11.115	-0.0163	-2.5 to 2.5	Pass			
	50	3.85	-5.651	-0.0083	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-7.968	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.482	-0.0109	-2.5 to 2.5	Pass
					4.43	-9.212	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-7.768	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-8.054	-0.0117	-2.5 to 2.5	Pass
-10				3.85	-4.878	-0.0071	-2.5 to 2.5	Pass	
0				3.85	-9.670	-0.0141	-2.5 to 2.5	Pass	
10				3.85	-9.084	-0.0132	-2.5 to 2.5	Pass	
30				3.85	-7.939	-0.0115	-2.5 to 2.5	Pass	
40	3.85	-8.283	-0.0120	-2.5 to 2.5	Pass				
50	3.85	-8.254	-0.0120	-2.5 to 2.5	Pass				
16QAM	673	100	0	20	3.27	-7.110	-0.0106	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0080	-2.5 to 2.5	Pass
					4.43	-9.170	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-7.081	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-10.271	-0.0153	-2.5 to 2.5	Pass

				-10	3.85	-10.085	-0.0150	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-6.666	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-6.537	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-7.896	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0051	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-4.606	-0.0067	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0056	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-8.154	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-8.383	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-7.968	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-9.112	-0.0133	-2.5 to 2.5	Pass
				688	100	0	20	3.27	-8.883
	3.85	-8.898	-0.0129					-2.5 to 2.5	Pass
	4.43	-6.909	-0.0100					-2.5 to 2.5	Pass
	-30	3.85	-7.668				-0.0111	-2.5 to 2.5	Pass
	-20	3.85	-5.708				-0.0083	-2.5 to 2.5	Pass
	-10	3.85	-6.924				-0.0101	-2.5 to 2.5	Pass
	0	3.85	-9.327				-0.0136	-2.5 to 2.5	Pass
10	3.85	-8.812	-0.0128				-2.5 to 2.5	Pass	
30	3.85	-8.497	-0.0124				-2.5 to 2.5	Pass	
40	3.85	-8.883	-0.0129				-2.5 to 2.5	Pass	
50	3.85	-8.311	-0.0121				-2.5 to 2.5	Pass	

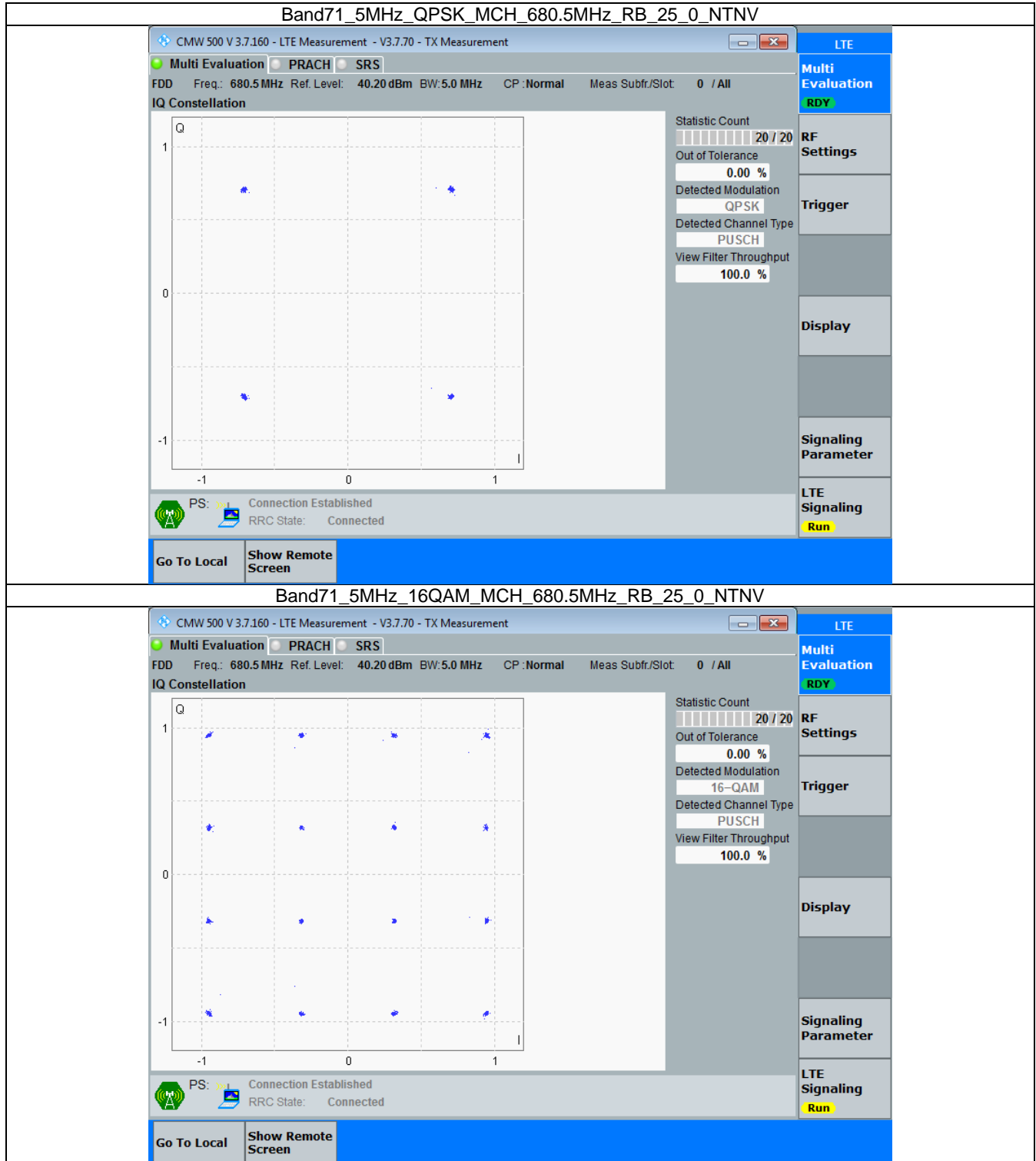
3. Modulation Characteristics

3.1 B71_5MHz

3.1.1 Test Result

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

3.1.2 Test Graph



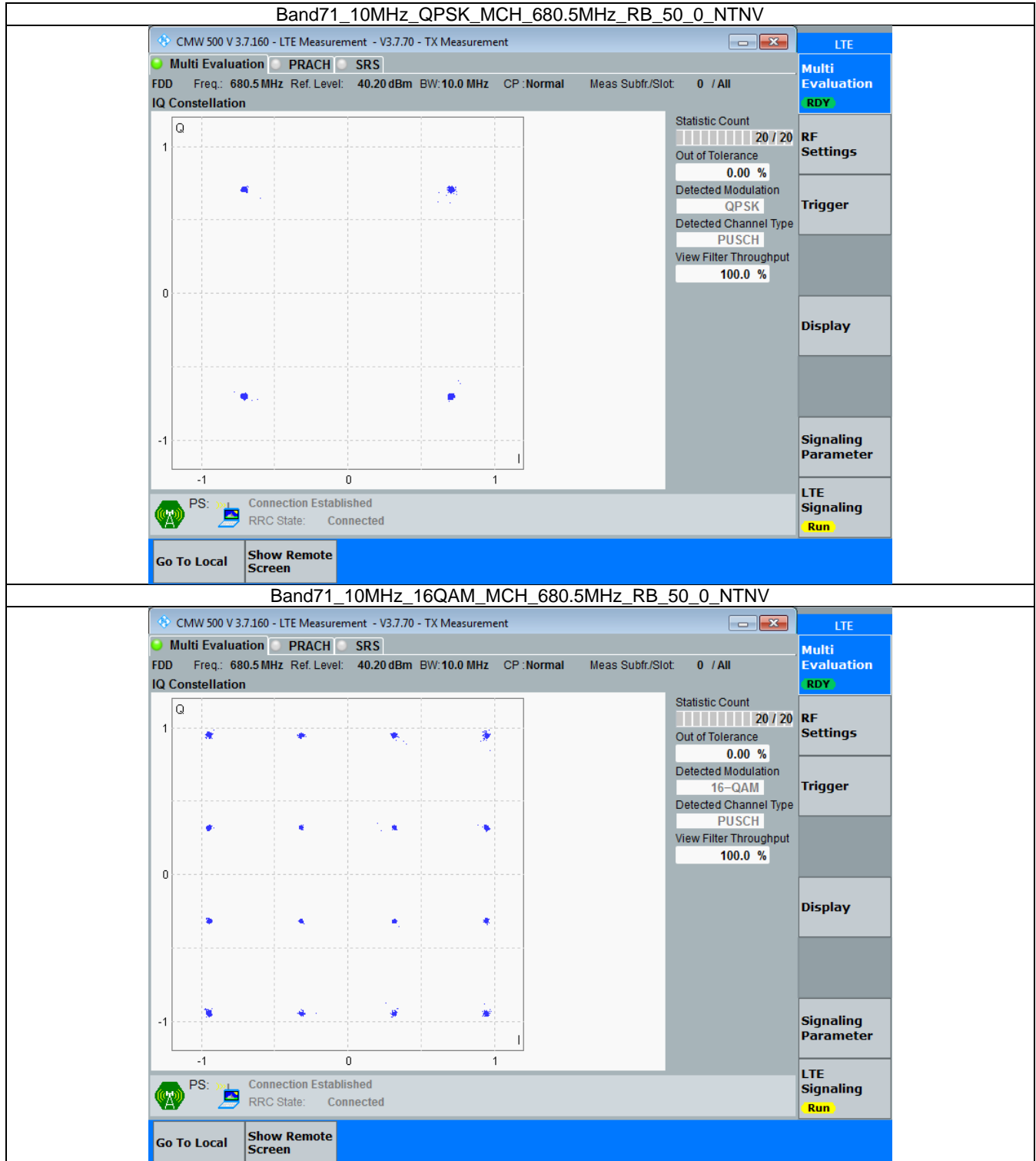


3.2 B71_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph



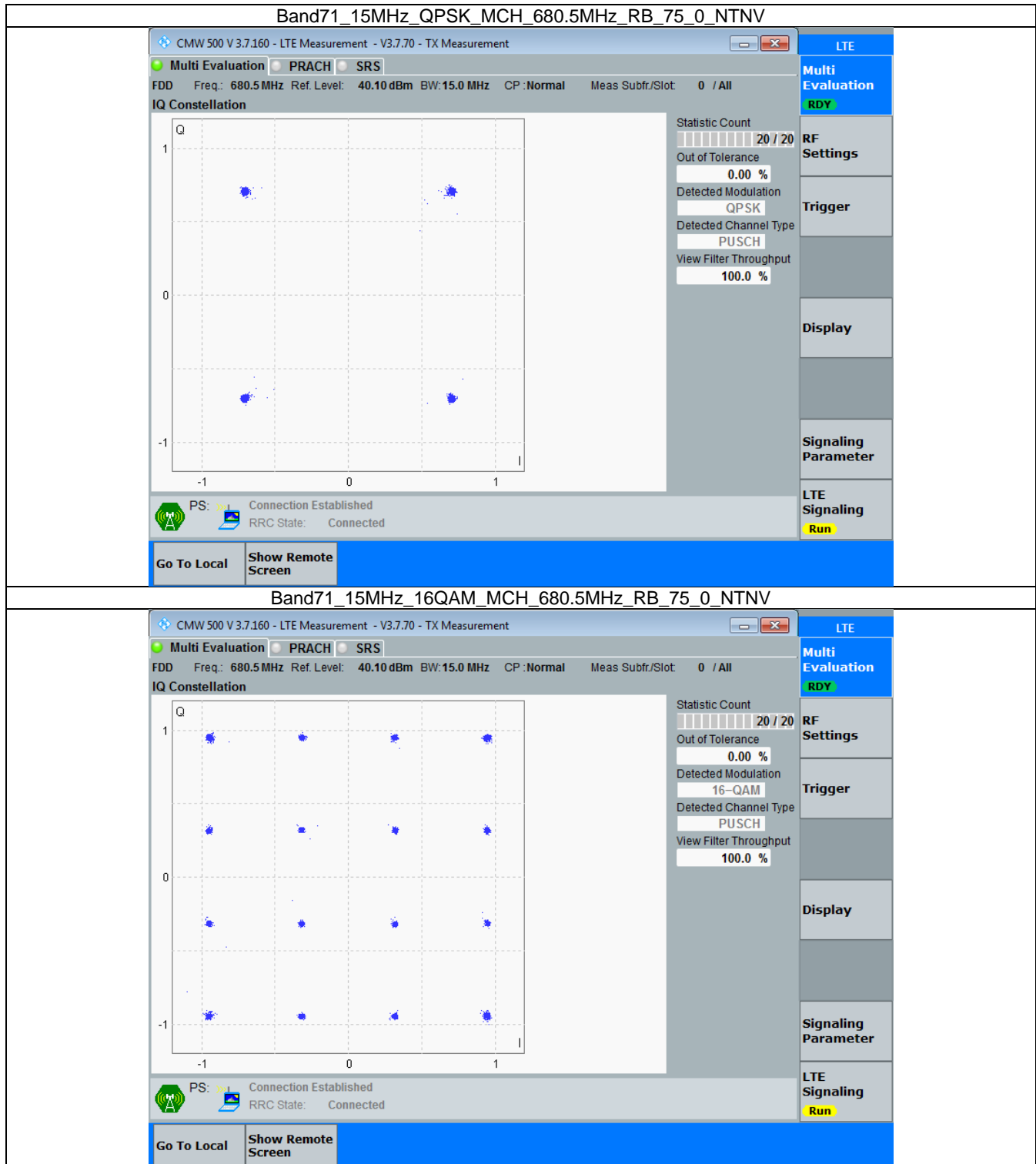


3.3 B71_15MHz

3.3.1 Test Result

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

3.3.2 Test Graph



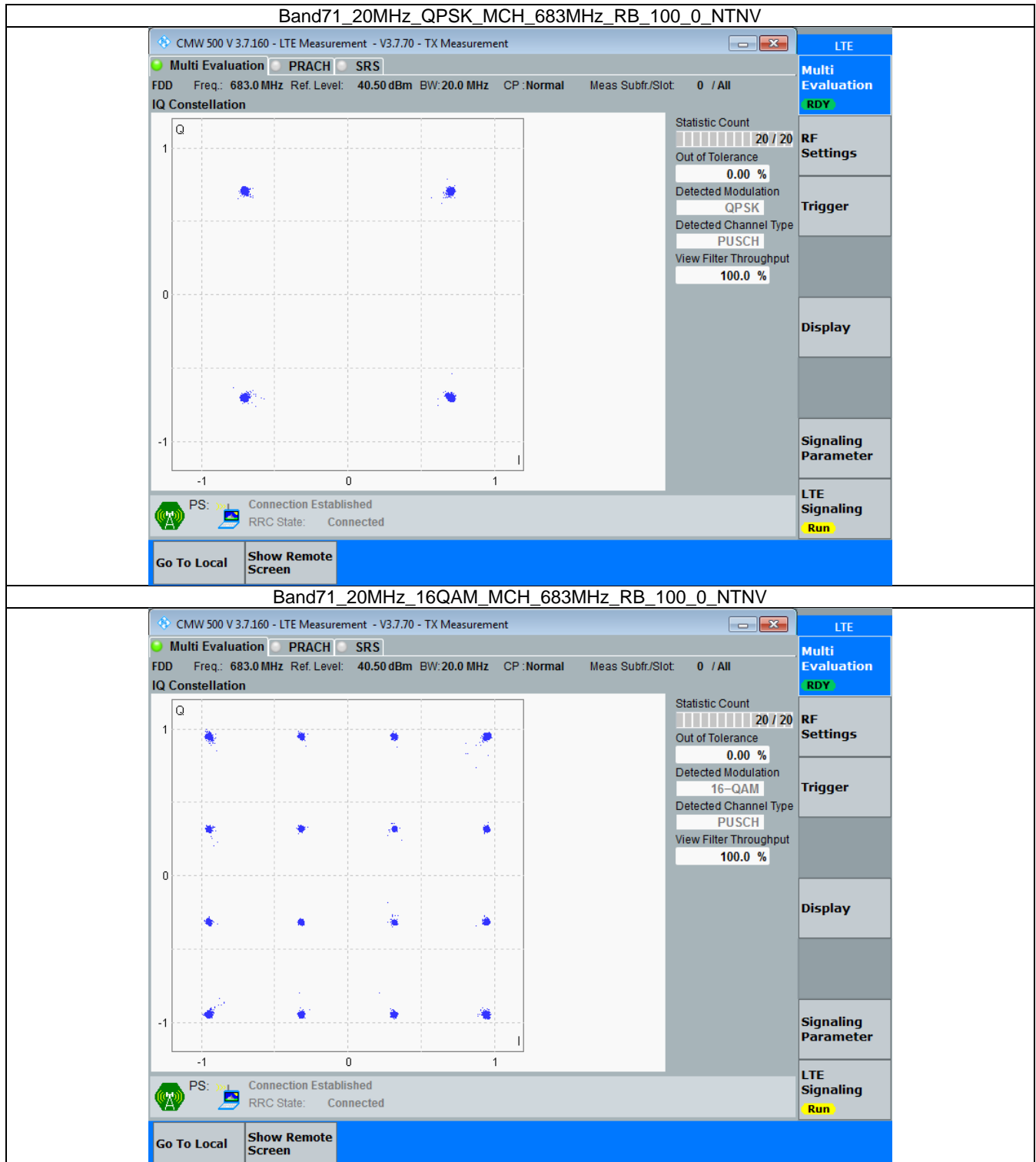


3.4 B71_20MHz

3.4.1 Test Result

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

3.4.2 Test Graph



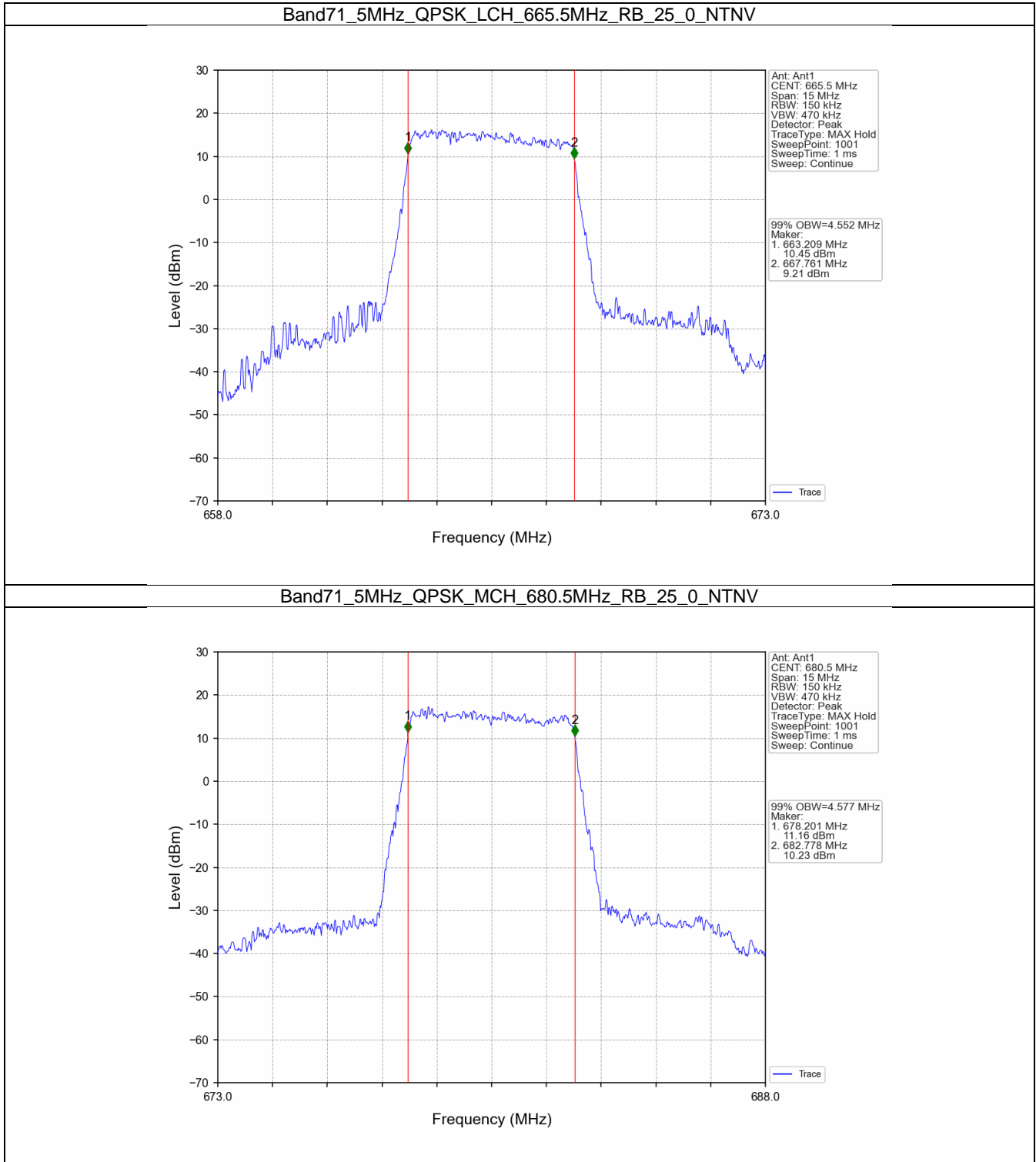
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

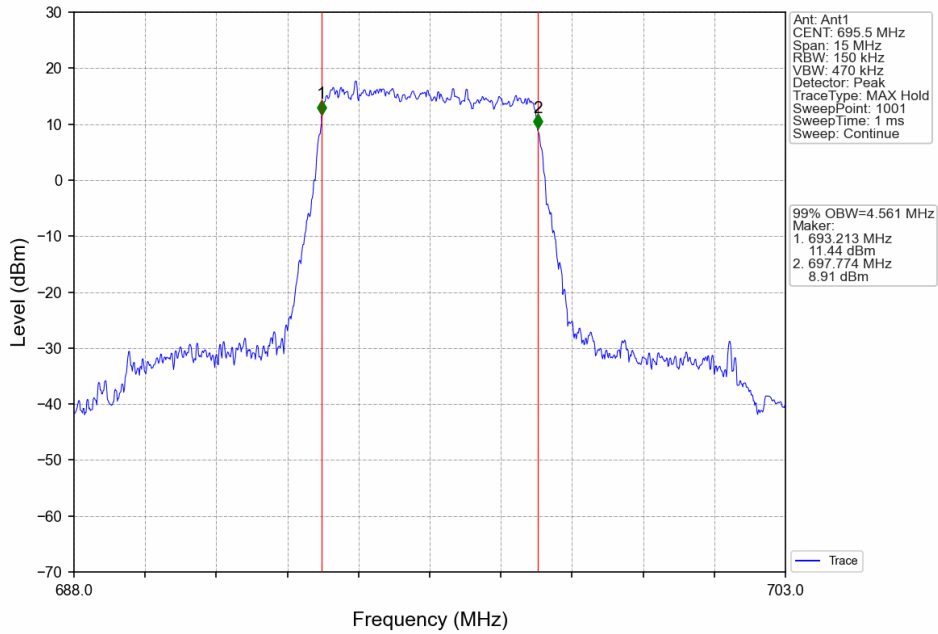
4.1.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.552	Pass
		680.5	25	0	4.577	Pass
		695.5	25	0	4.561	Pass
	16QAM	665.5	25	0	4.572	Pass
		680.5	25	0	4.570	Pass
		695.5	25	0	4.560	Pass
10	QPSK	668	50	0	9.157	Pass
		680.5	50	0	9.096	Pass
		693	50	0	9.037	Pass
	16QAM	668	50	0	9.123	Pass
		680.5	50	0	9.069	Pass
		693	50	0	9.028	Pass
15	QPSK	670.5	75	0	13.664	Pass
		680.5	75	0	13.600	Pass
		690.5	75	0	13.563	Pass
	16QAM	670.5	75	0	13.654	Pass
		680.5	75	0	13.590	Pass
		690.5	75	0	13.598	Pass
20	QPSK	673	100	0	18.147	Pass
		683	100	0	18.275	Pass
		688	100	0	18.240	Pass
	16QAM	673	100	0	18.217	Pass
		683	100	0	18.239	Pass
		688	100	0	18.151	Pass

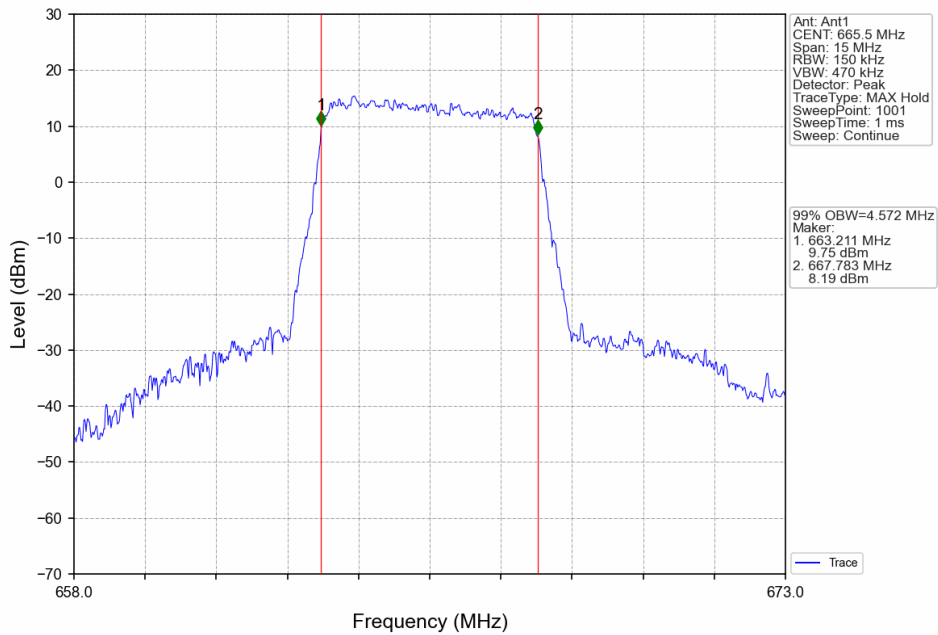
4.1.2 Test Graph



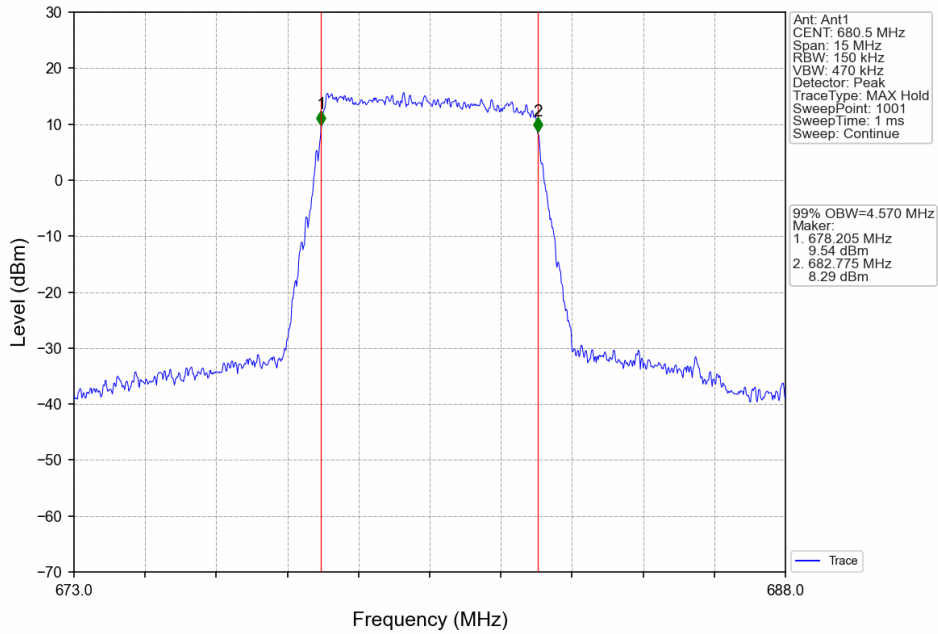
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



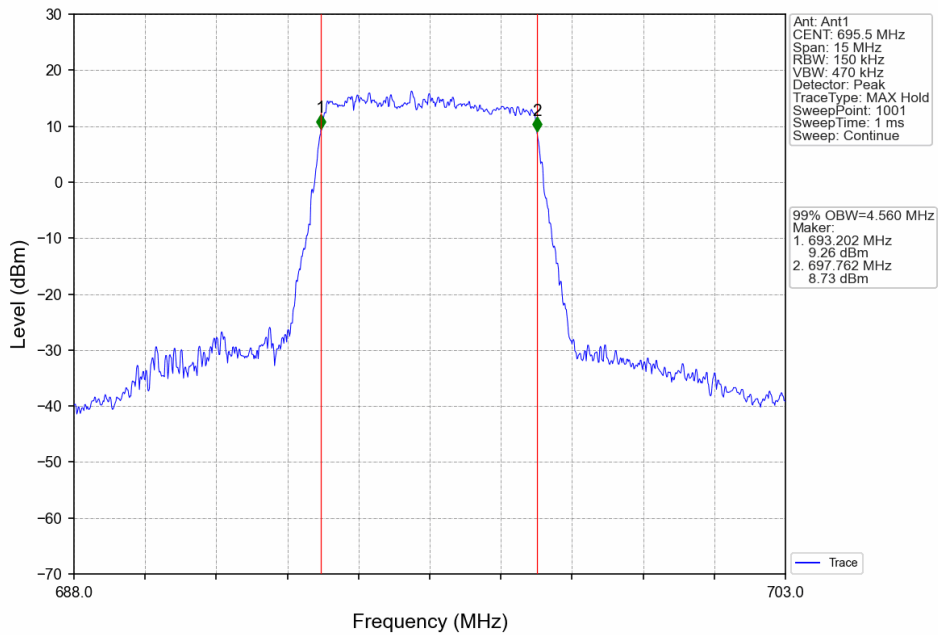
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



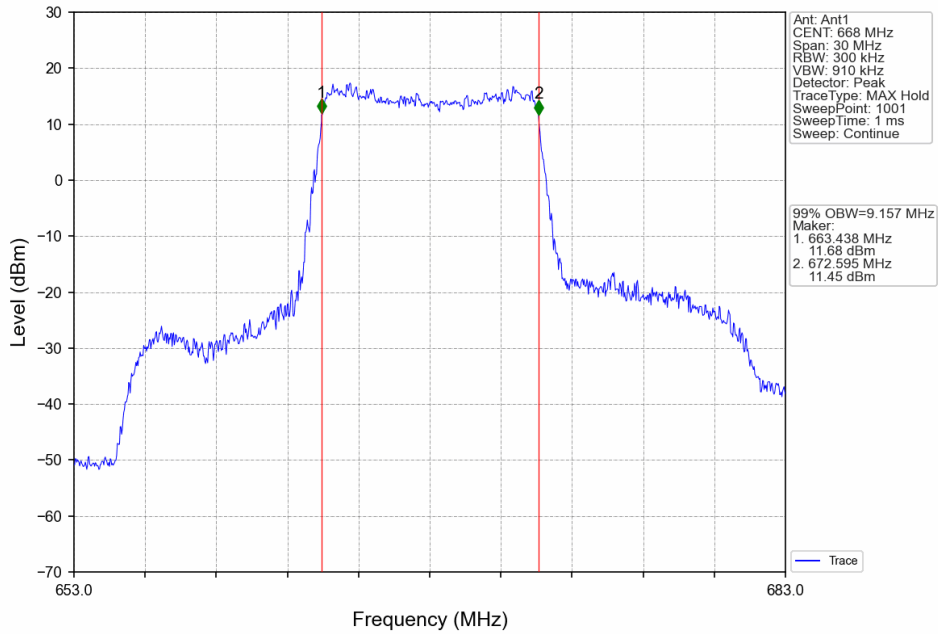
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



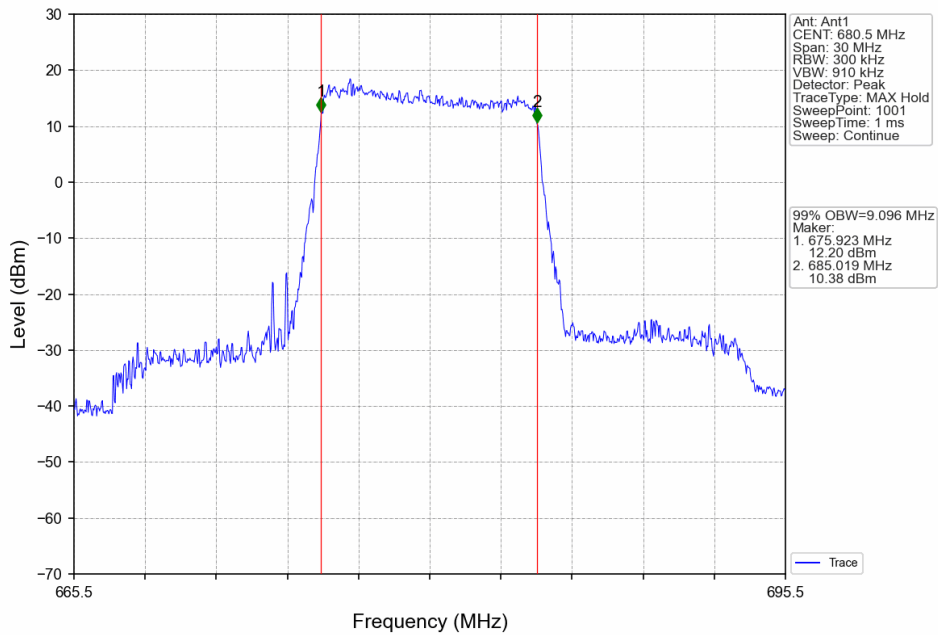
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



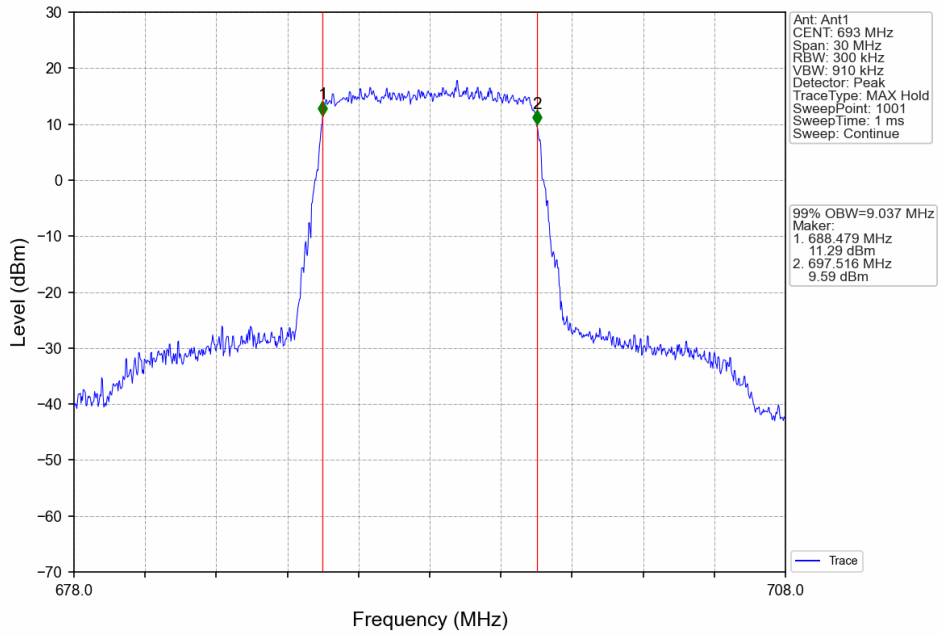
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



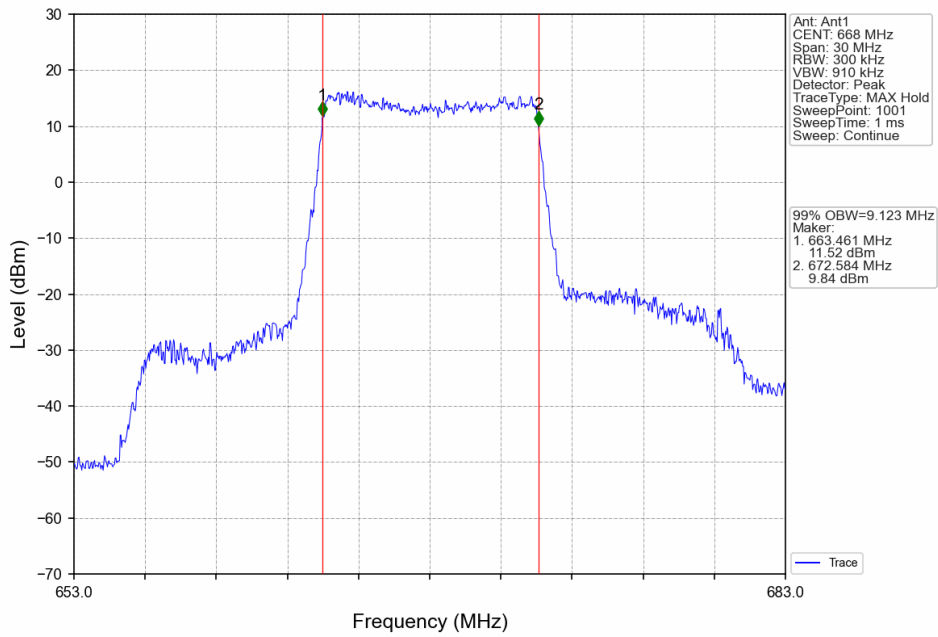
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



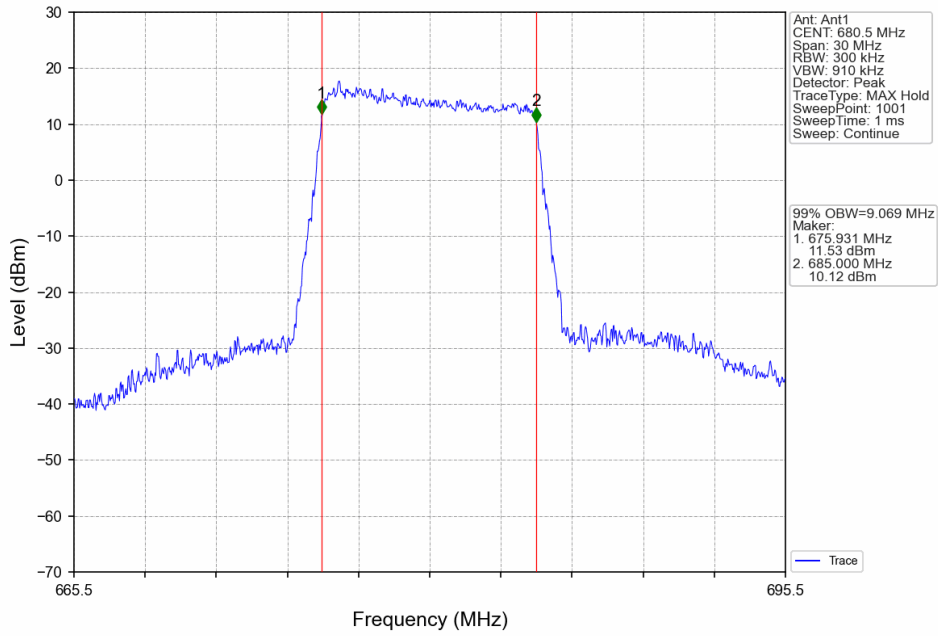
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



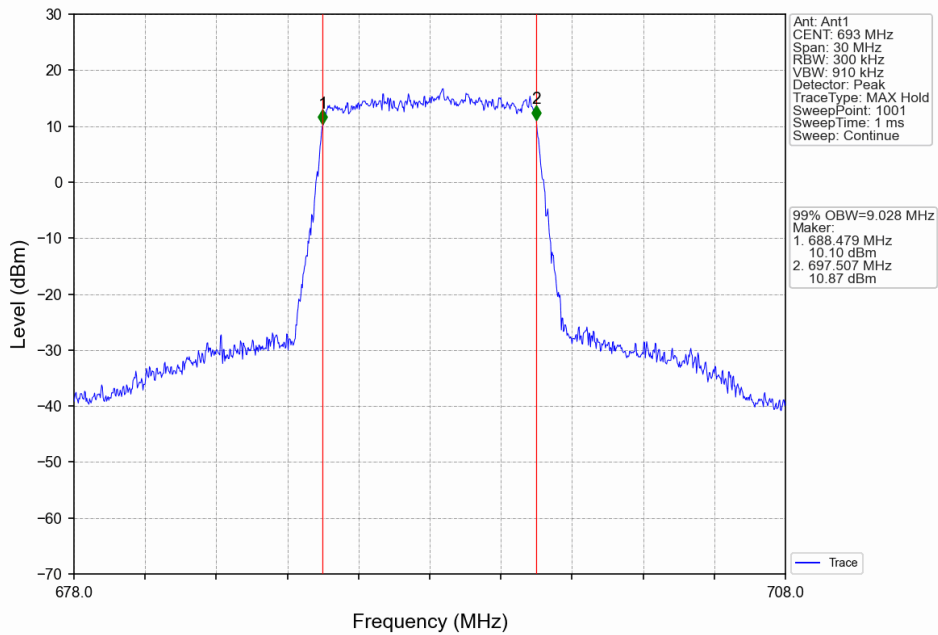
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



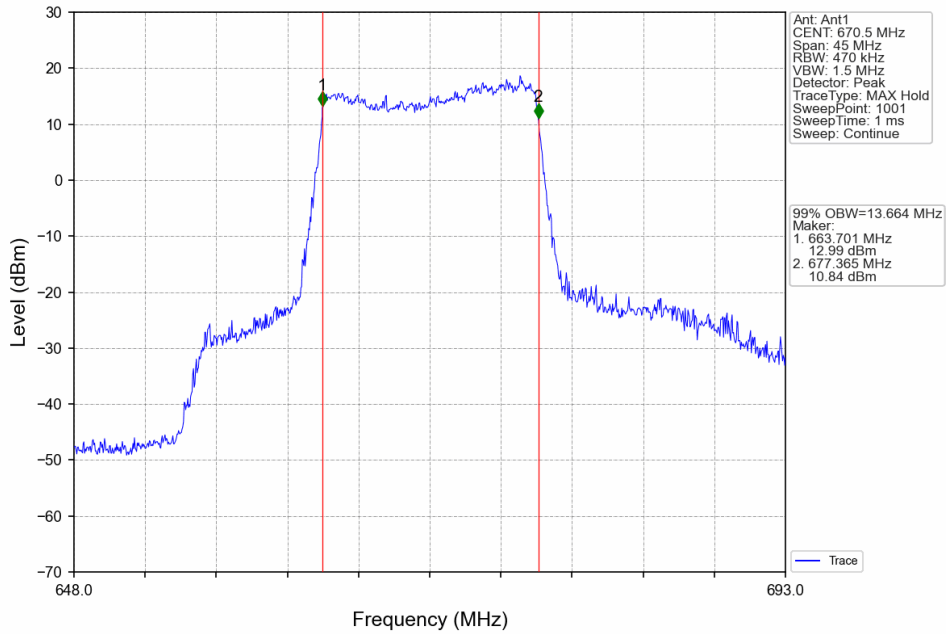
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



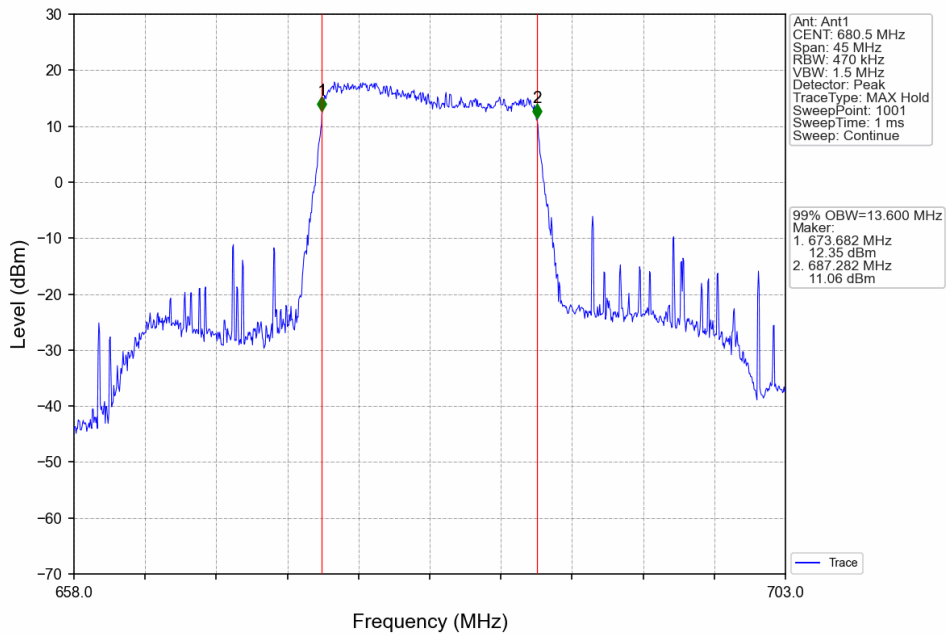
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



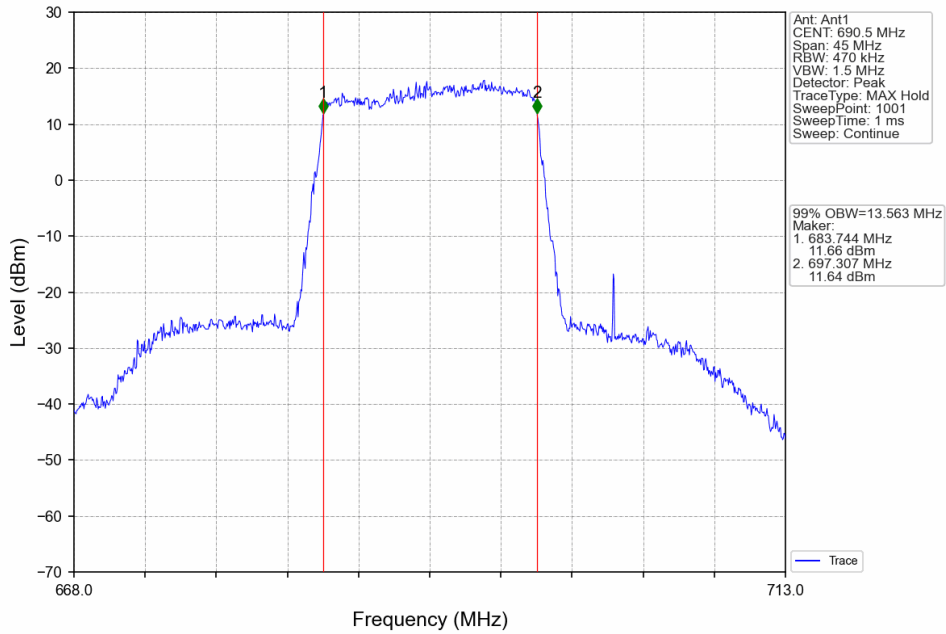
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



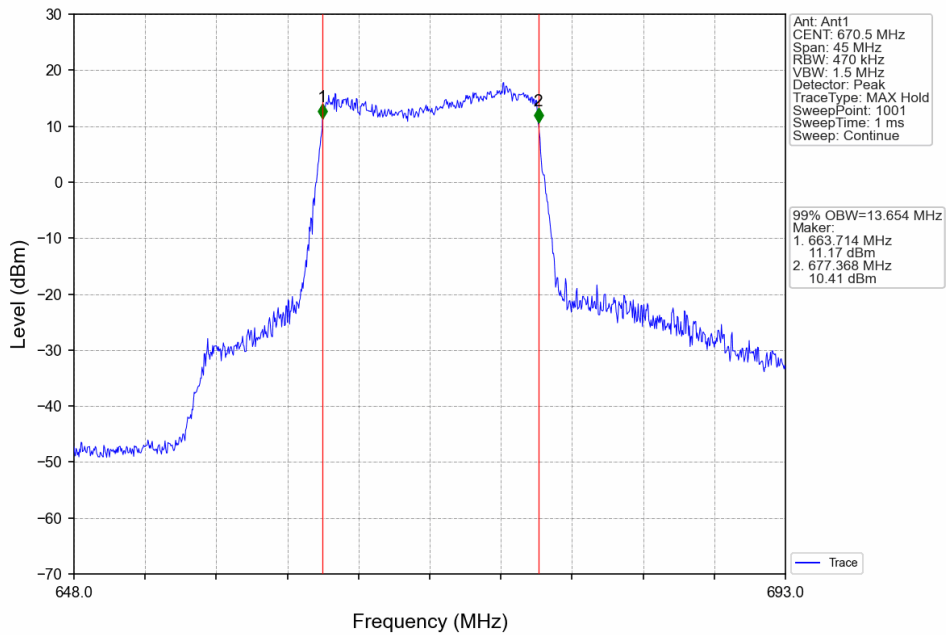
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



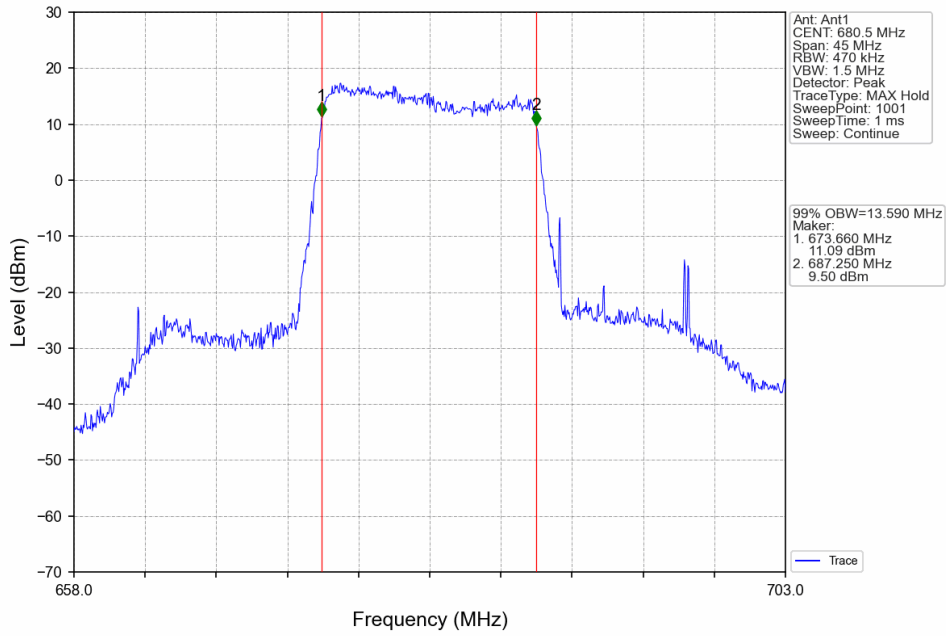
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



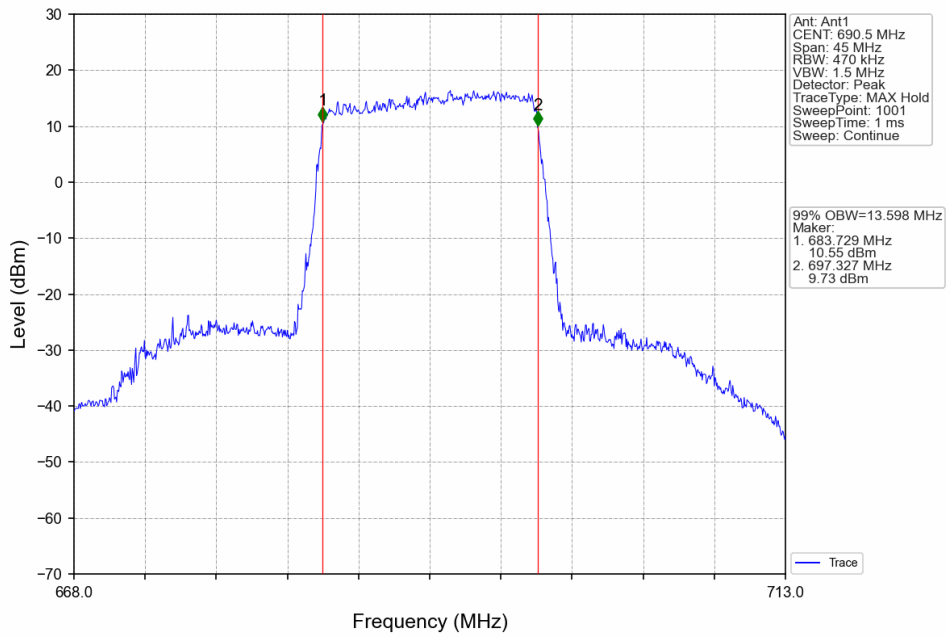
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



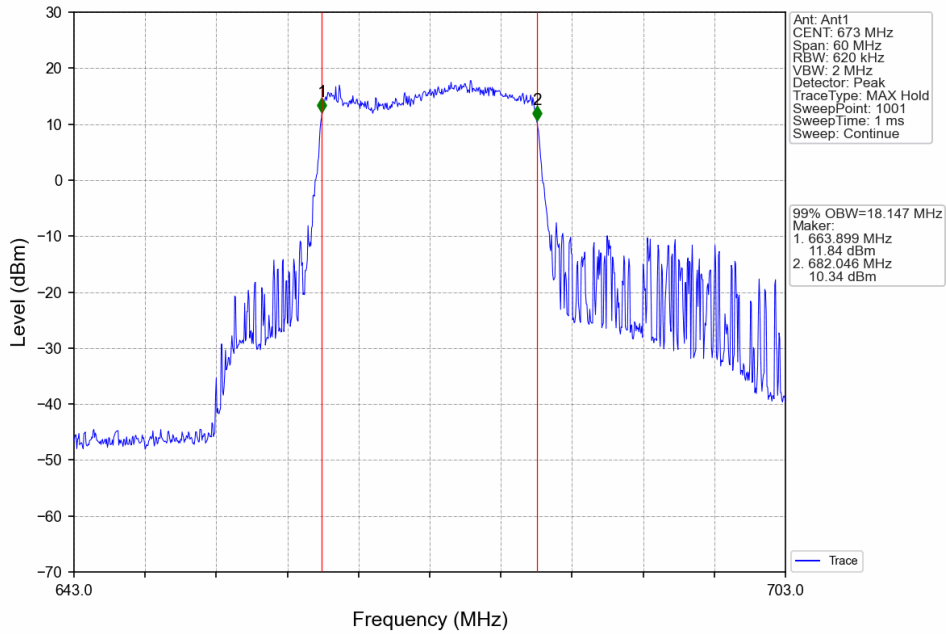
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



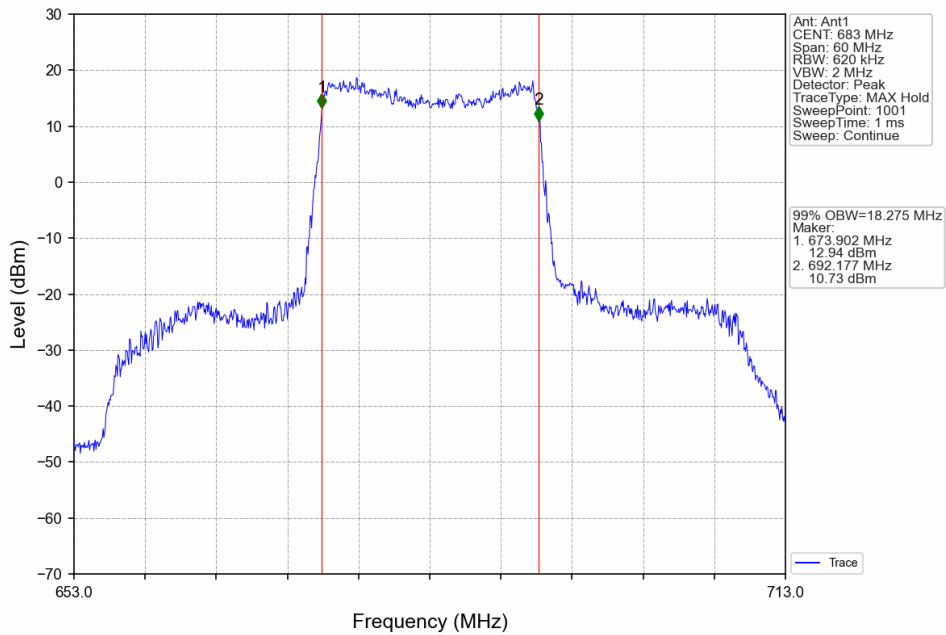
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



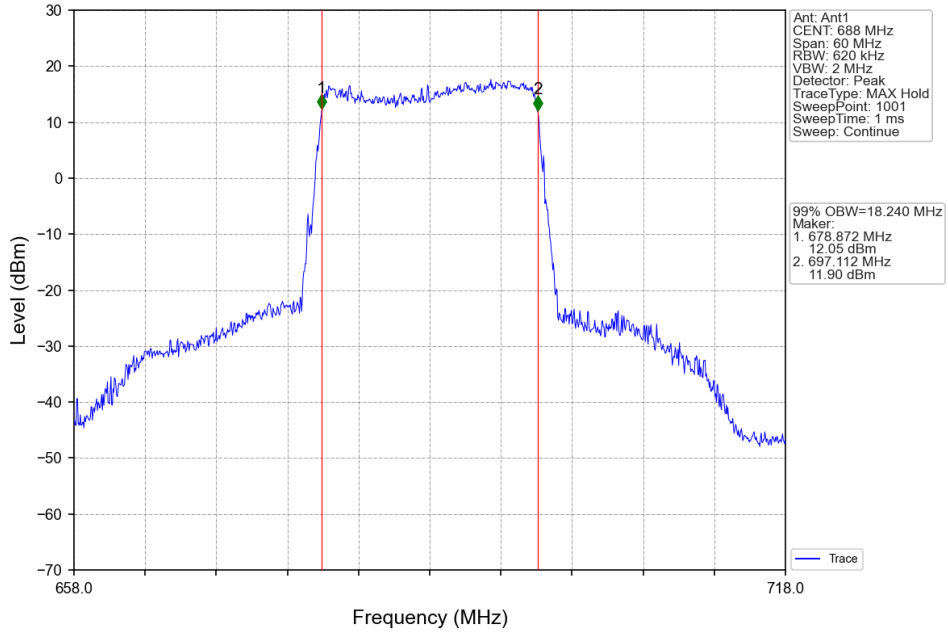
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



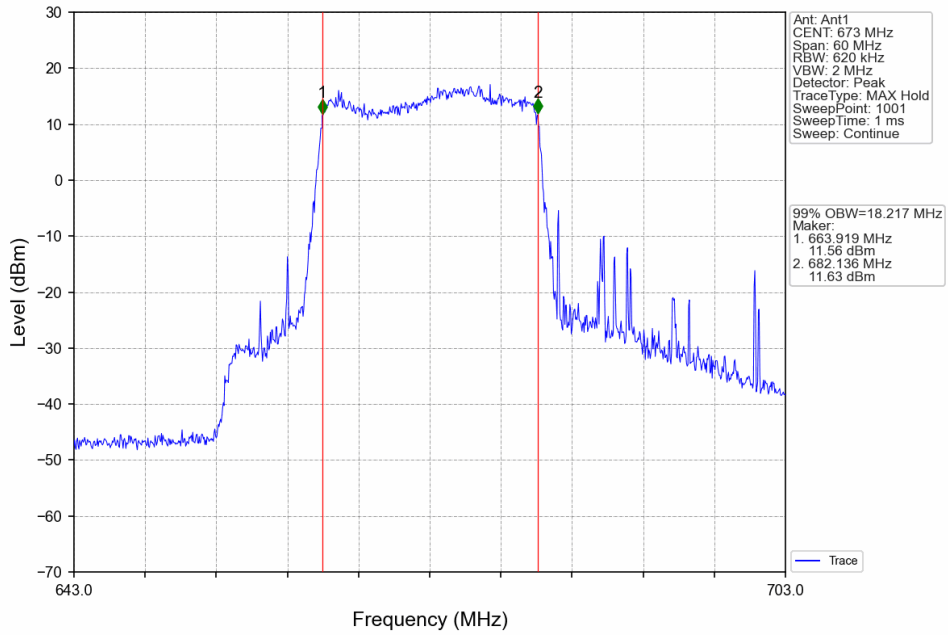
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



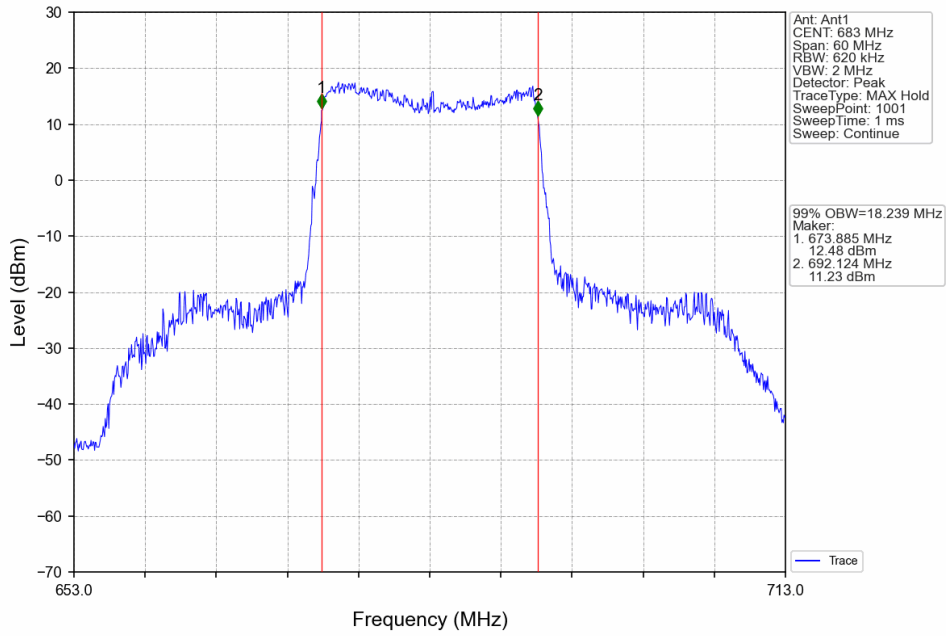
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



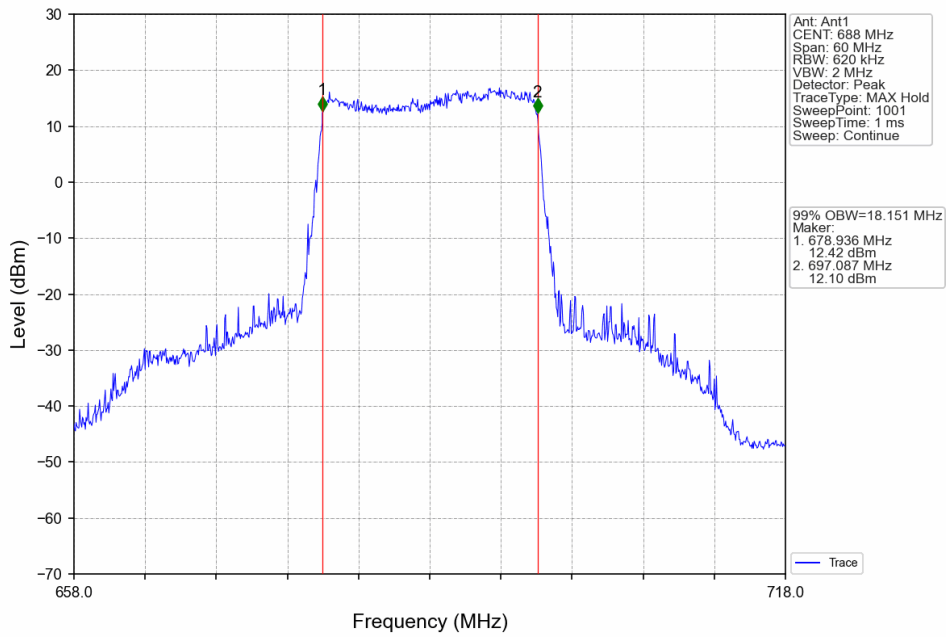
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

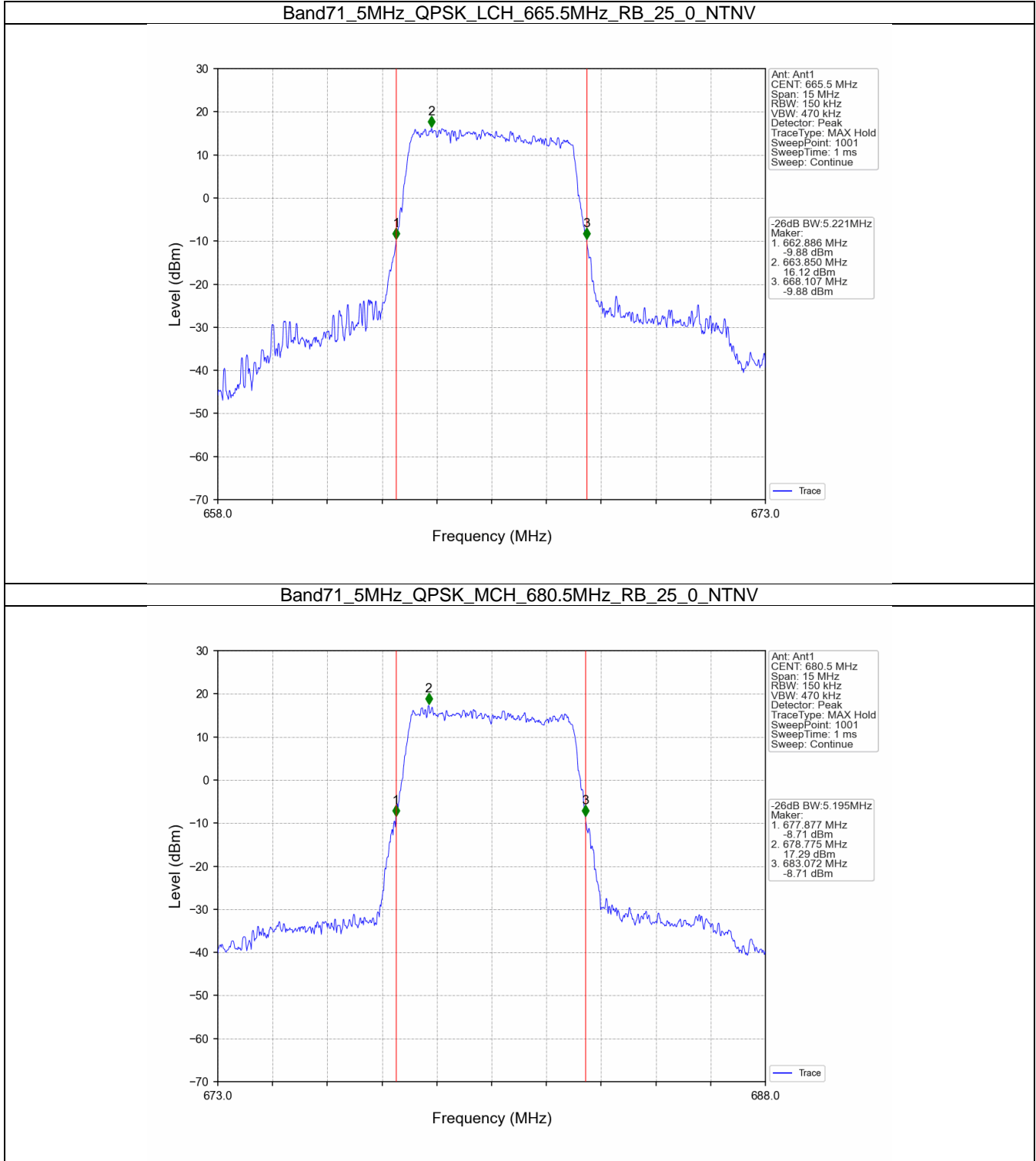


4.2 Band71_XDB

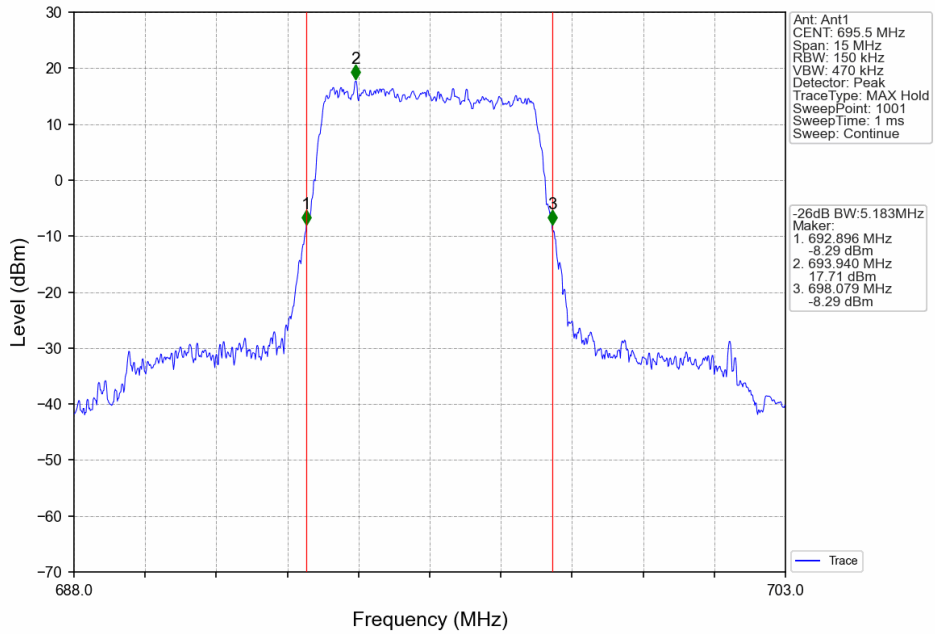
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.221	Pass
		680.5	25	0	5.195	Pass
		695.5	25	0	5.183	Pass
	16QAM	665.5	25	0	5.257	Pass
		680.5	25	0	5.269	Pass
		695.5	25	0	5.174	Pass
10	QPSK	668	50	0	10.369	Pass
		680.5	50	0	10.178	Pass
		693	50	0	10.155	Pass
	16QAM	668	50	0	10.240	Pass
		680.5	50	0	10.191	Pass
		693	50	0	10.123	Pass
15	QPSK	670.5	75	0	15.279	Pass
		680.5	75	0	17.986	Pass
		690.5	75	0	15.202	Pass
	16QAM	670.5	75	0	15.249	Pass
		680.5	75	0	15.841	Pass
		690.5	75	0	15.107	Pass
20	QPSK	673	100	0	20.960	Pass
		683	100	0	20.235	Pass
		688	100	0	20.351	Pass
	16QAM	673	100	0	20.841	Pass
		683	100	0	20.148	Pass
		688	100	0	20.322	Pass

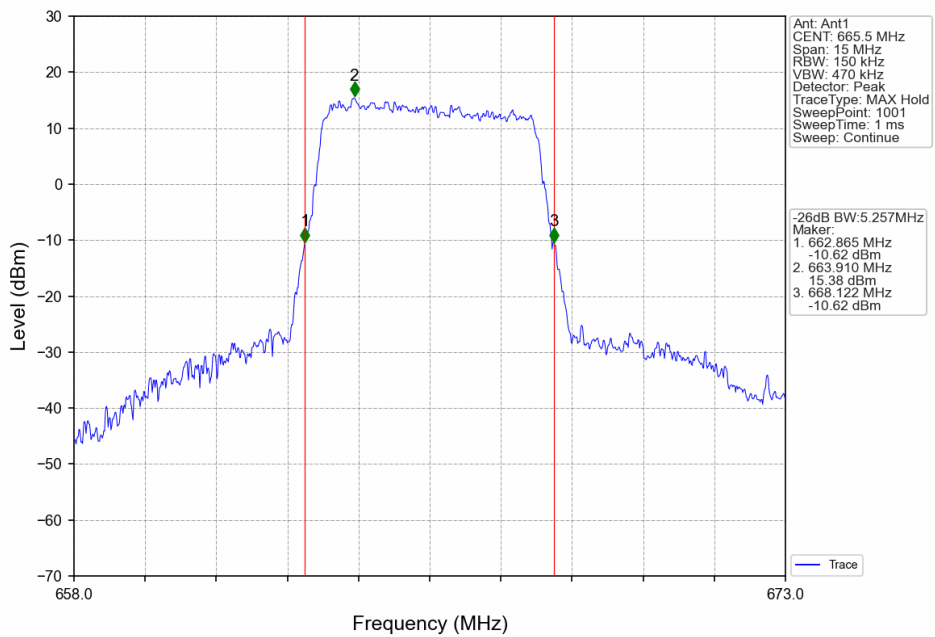
4.2.2 Test Graph



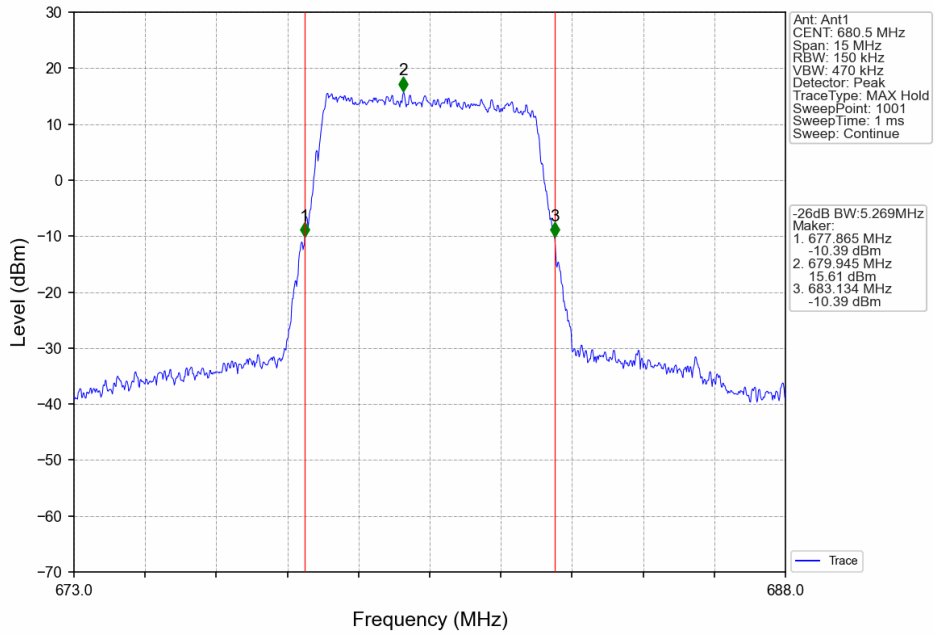
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



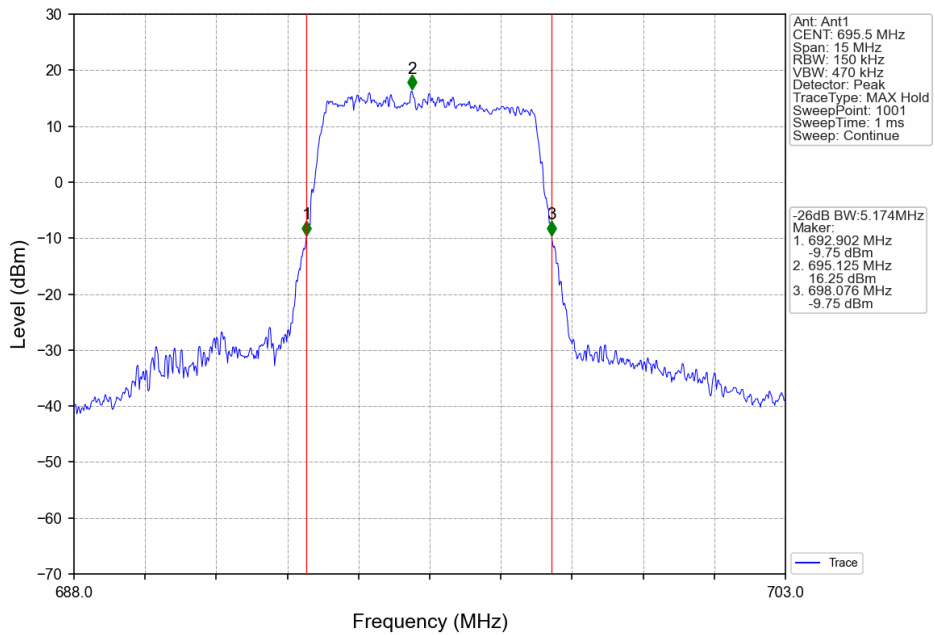
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



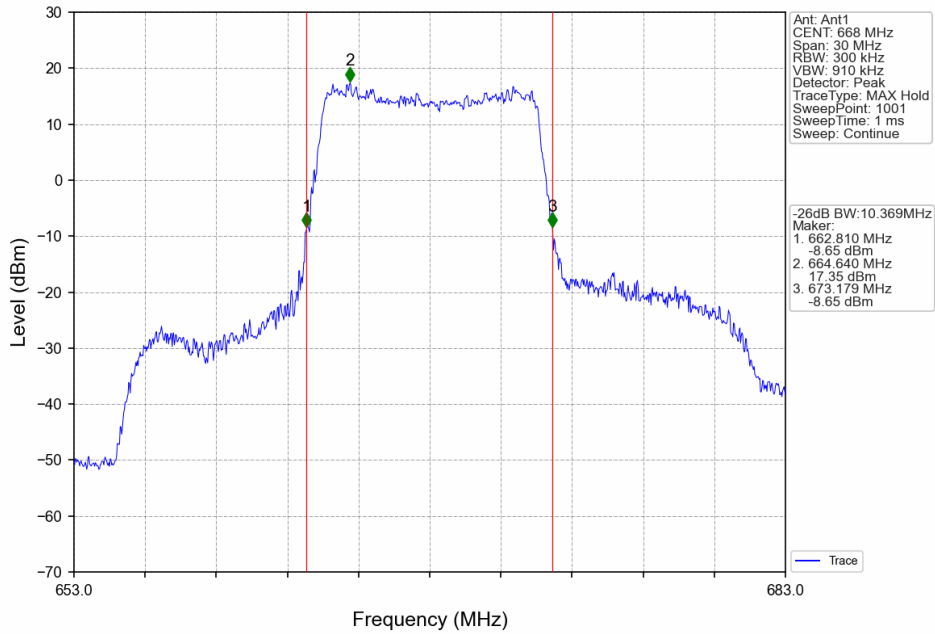
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



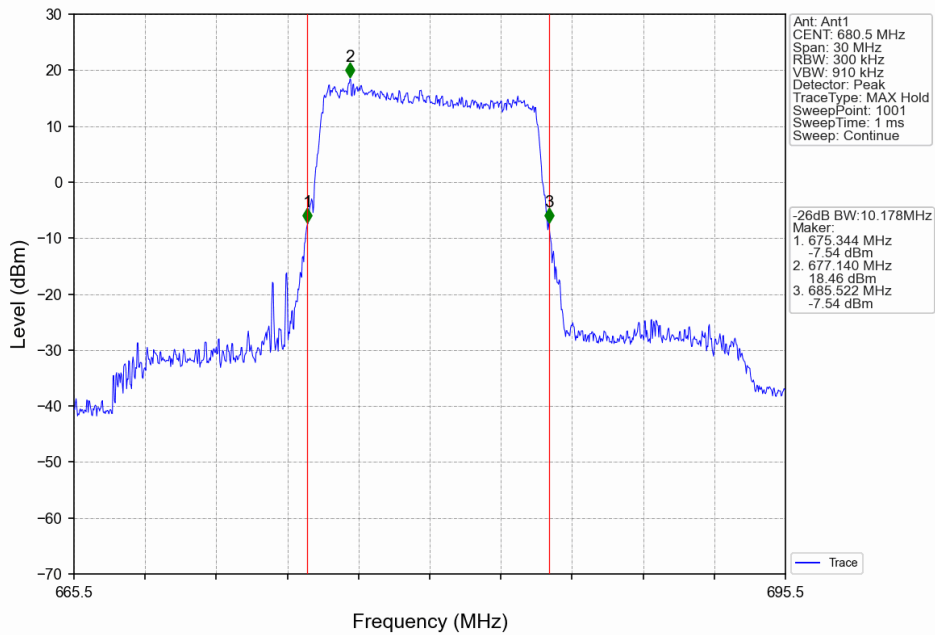
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



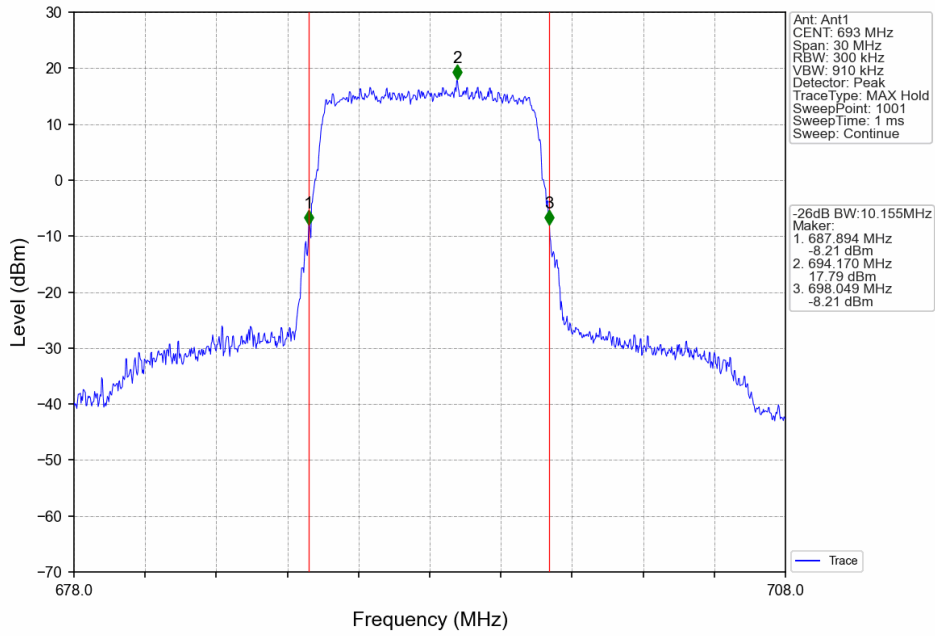
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



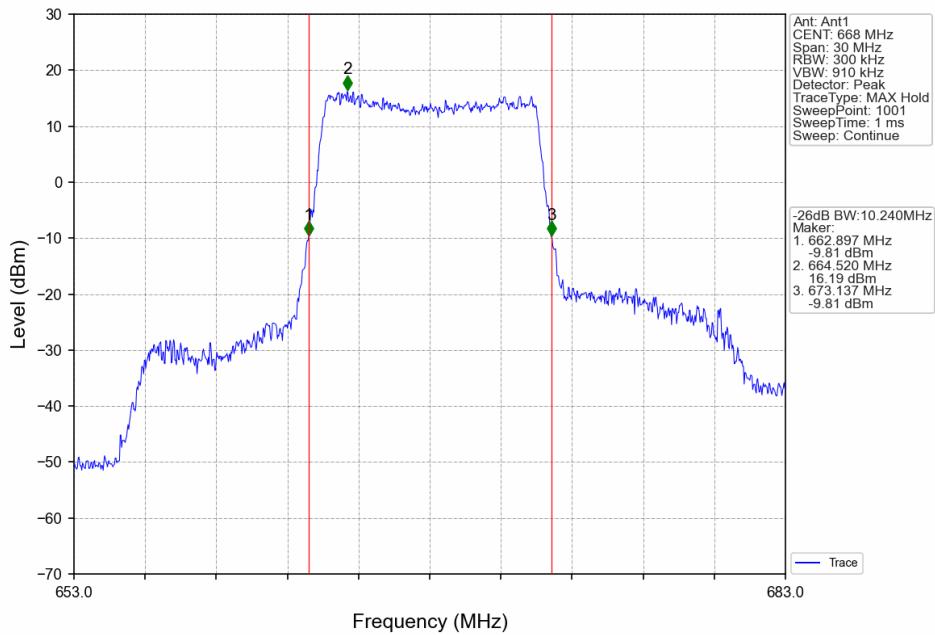
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



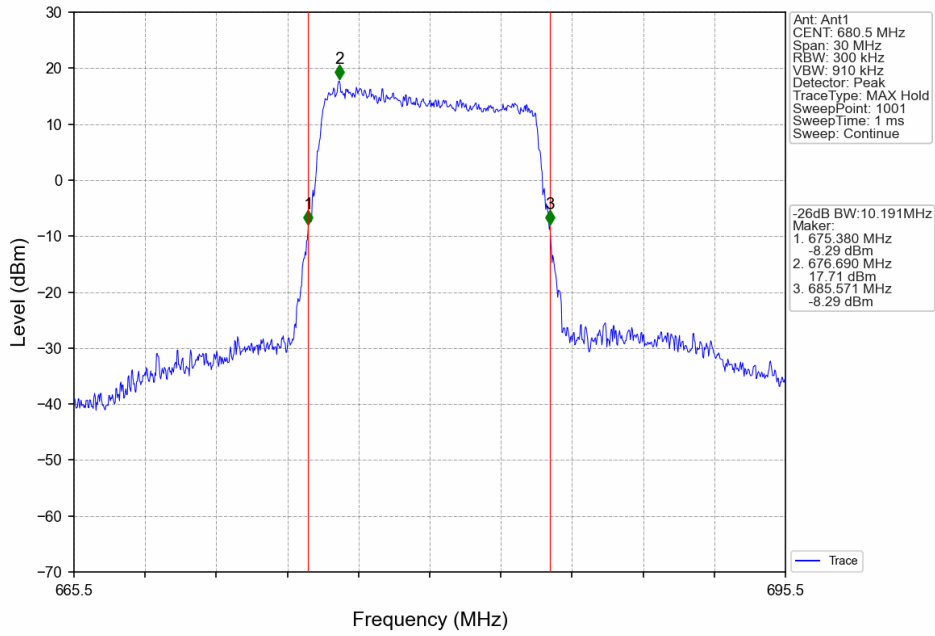
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



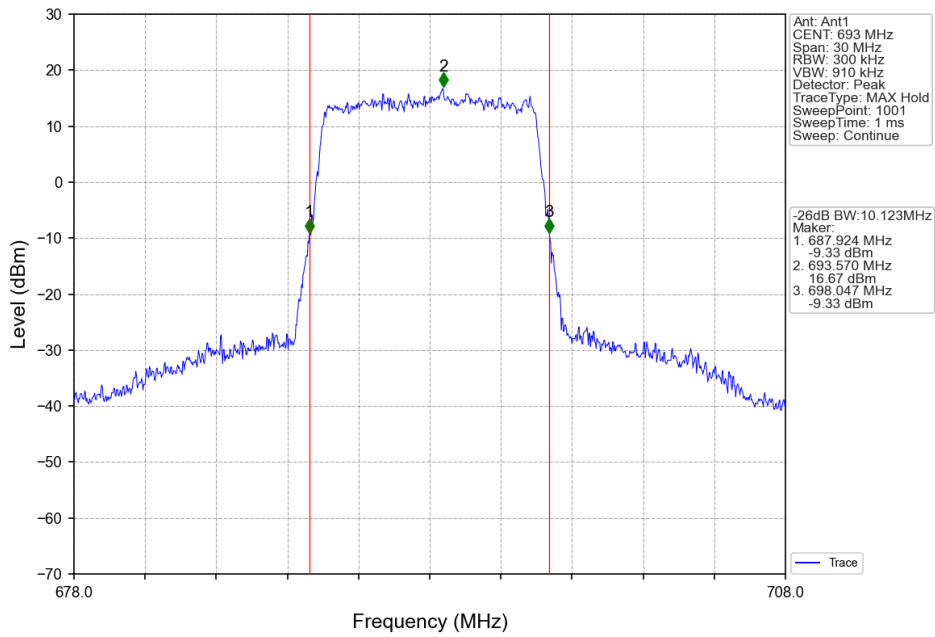
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



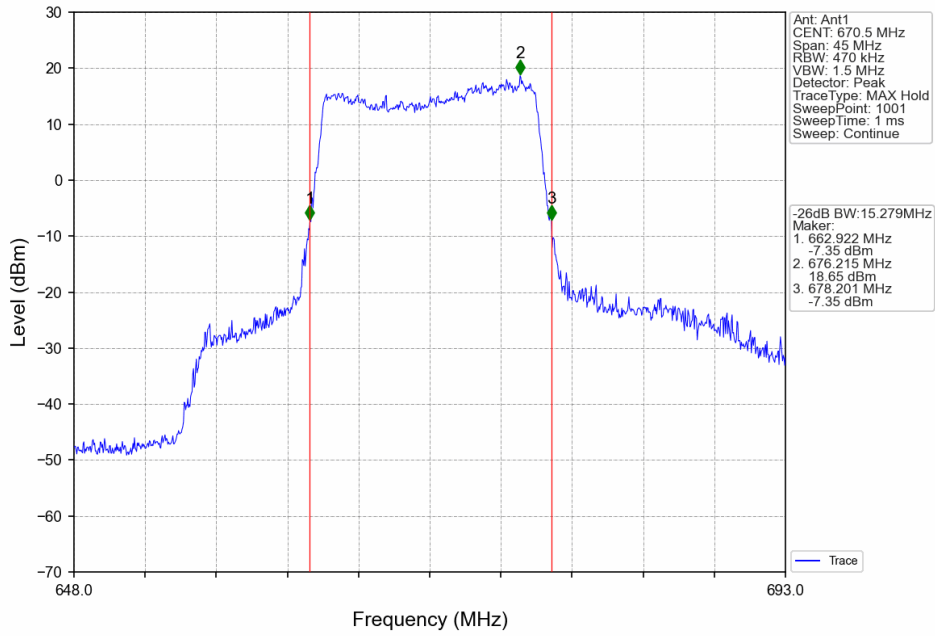
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



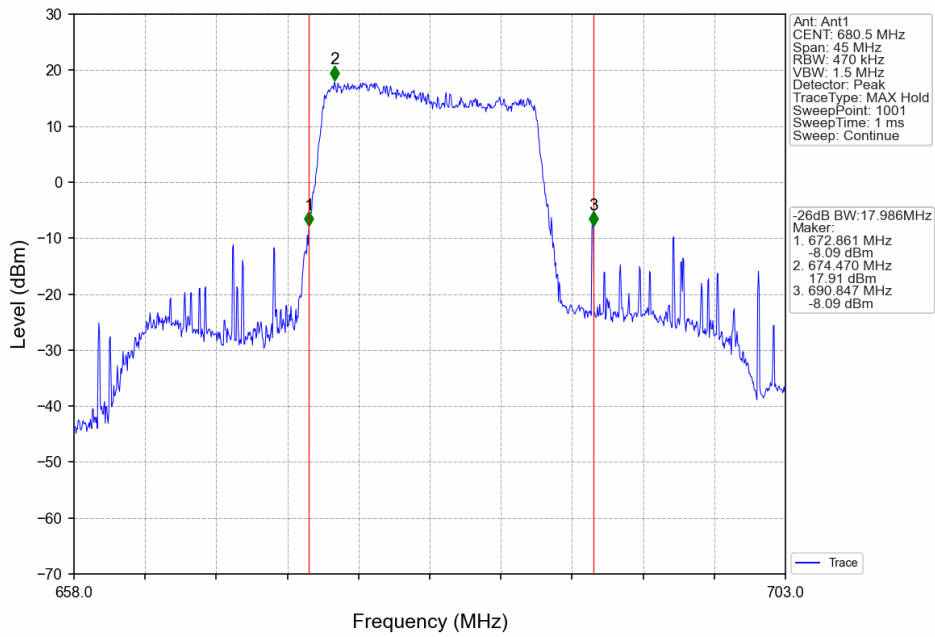
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



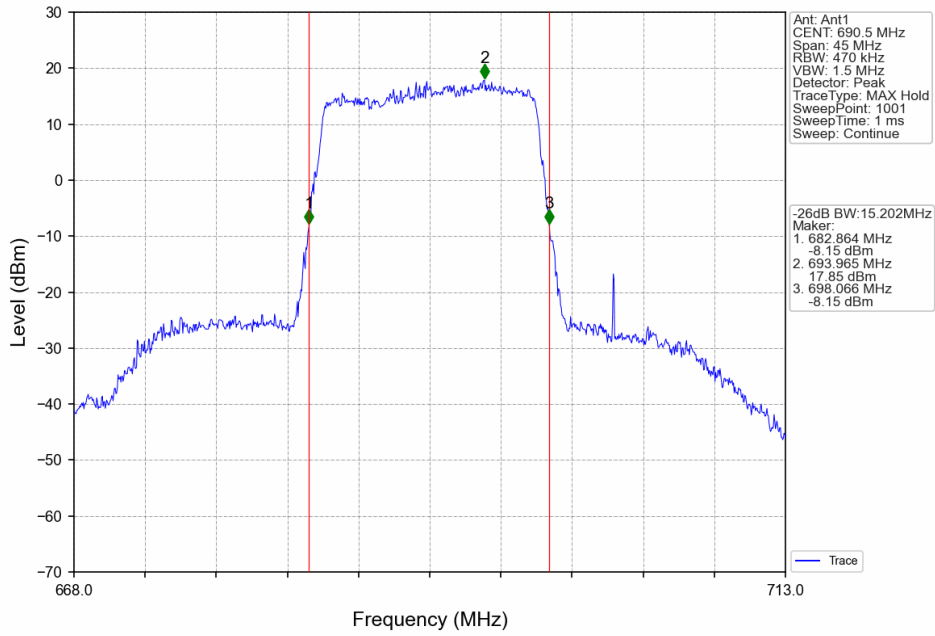
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



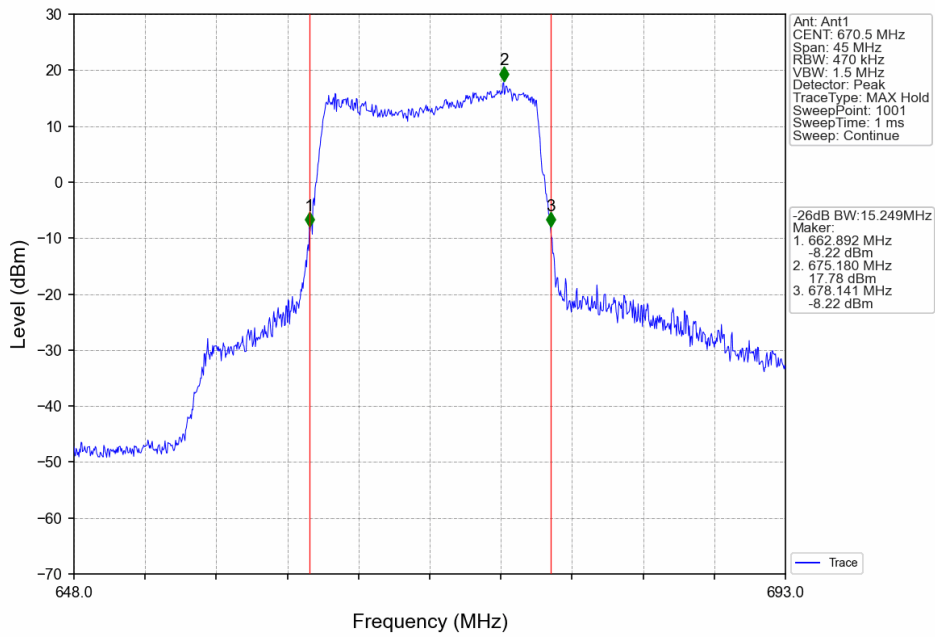
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



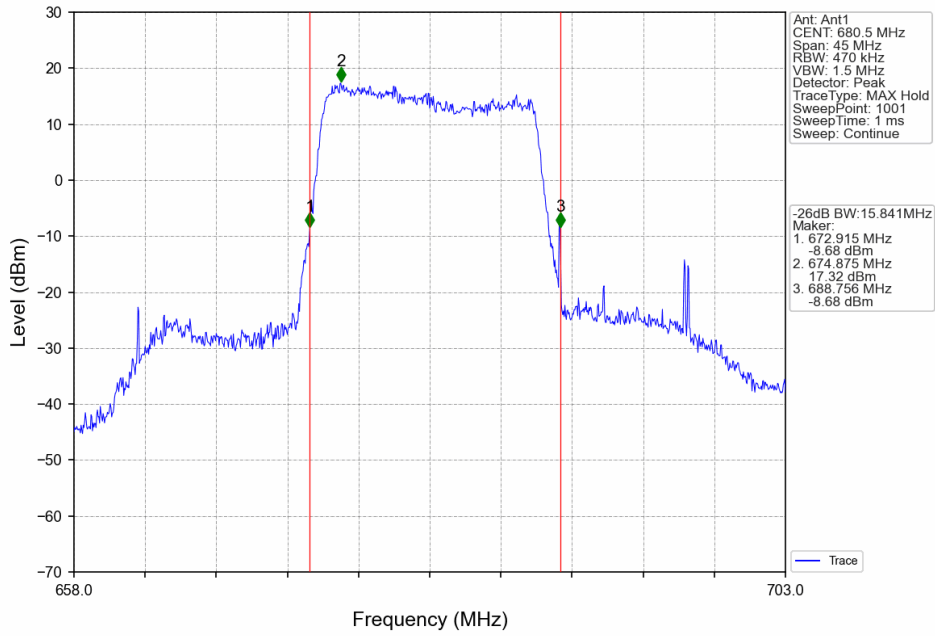
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



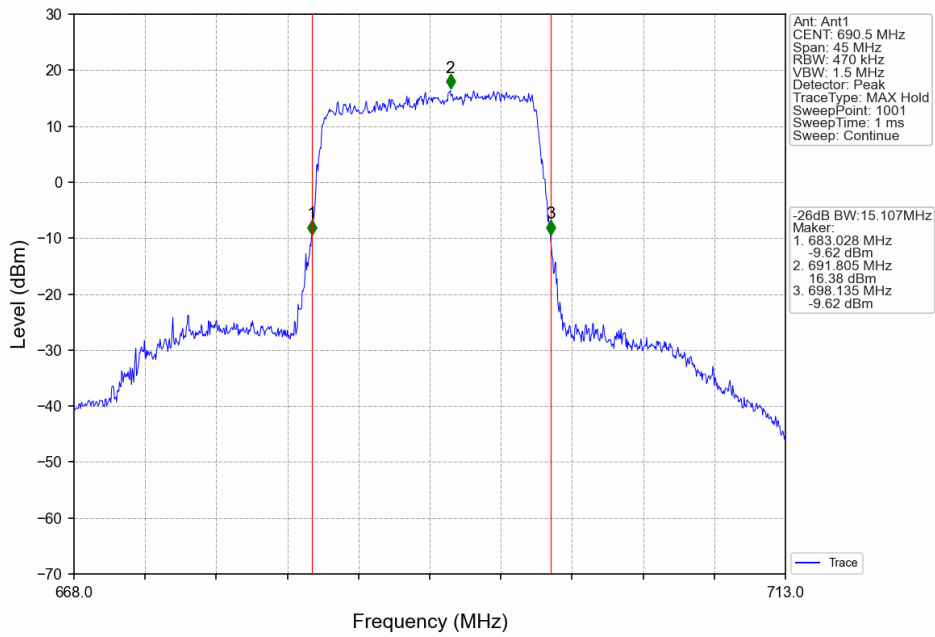
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



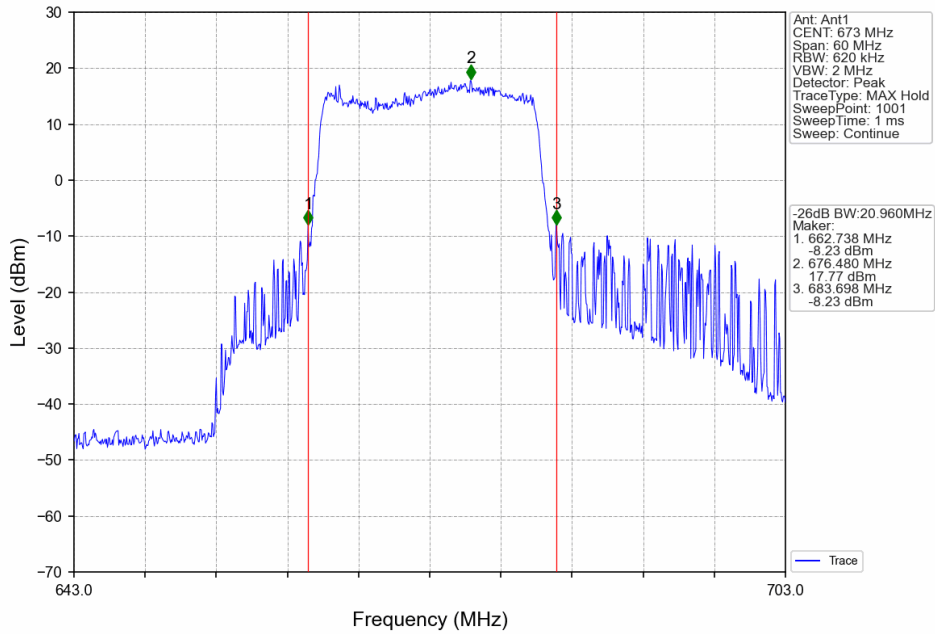
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



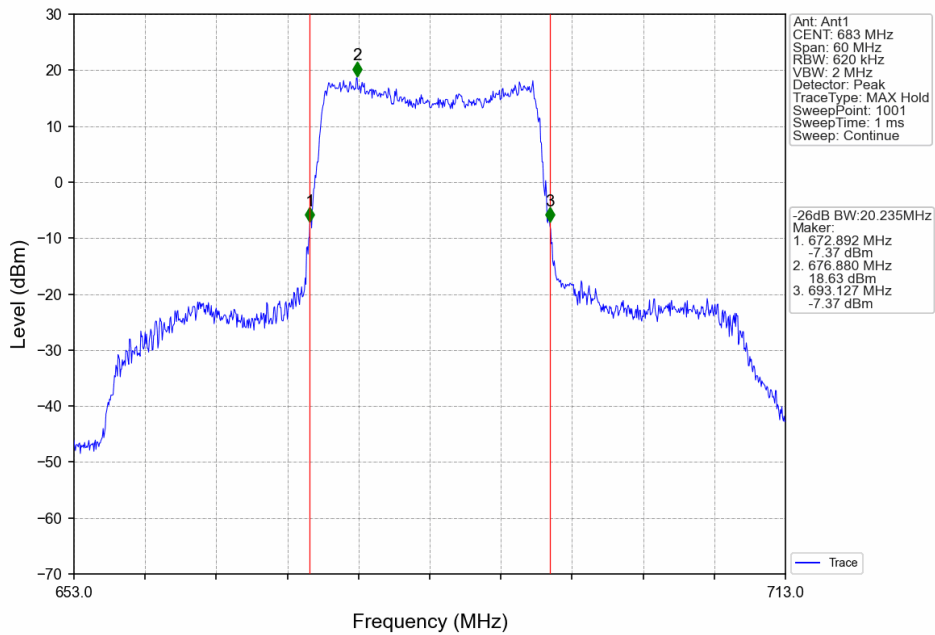
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



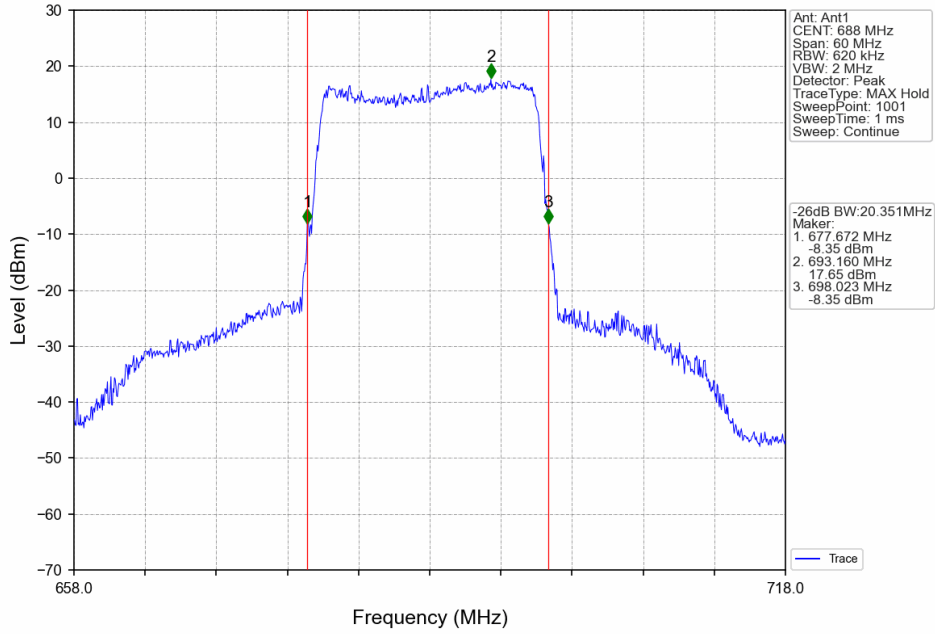
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



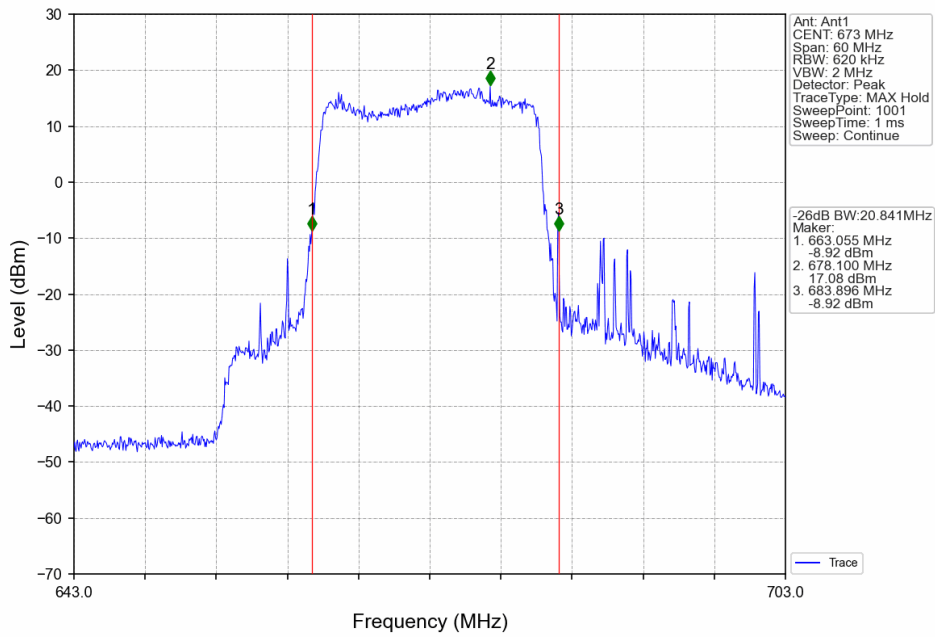
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



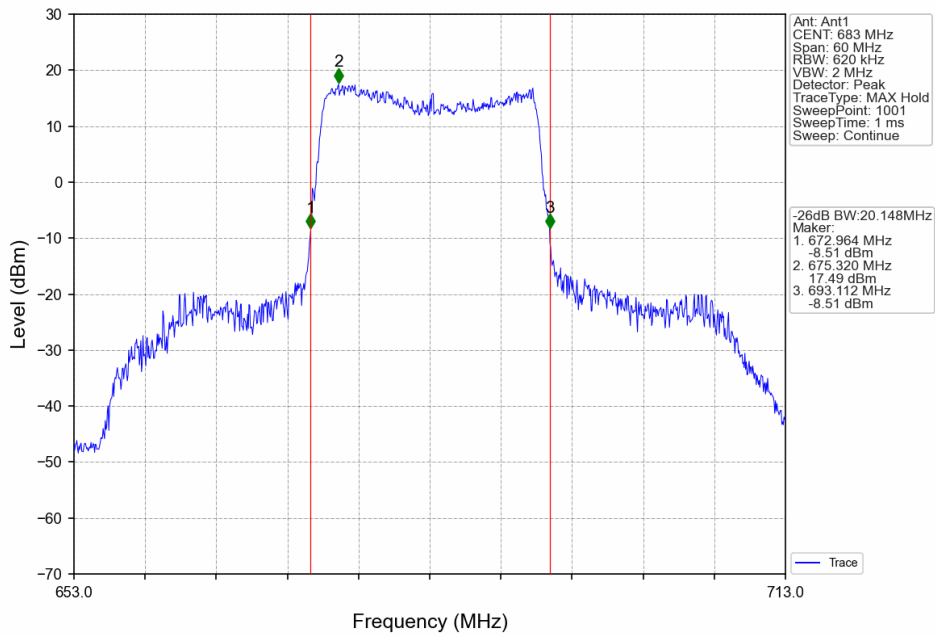
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



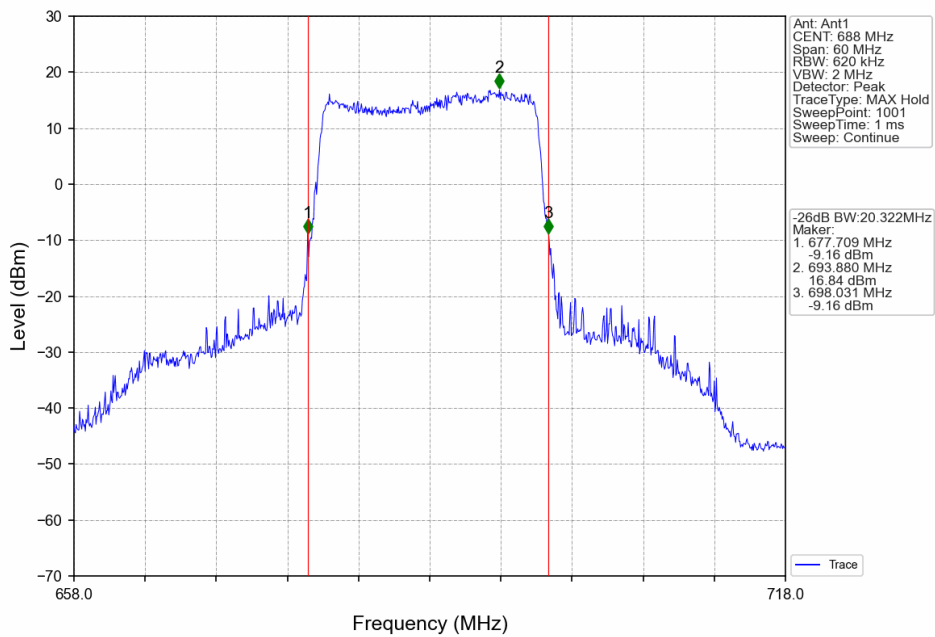
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV





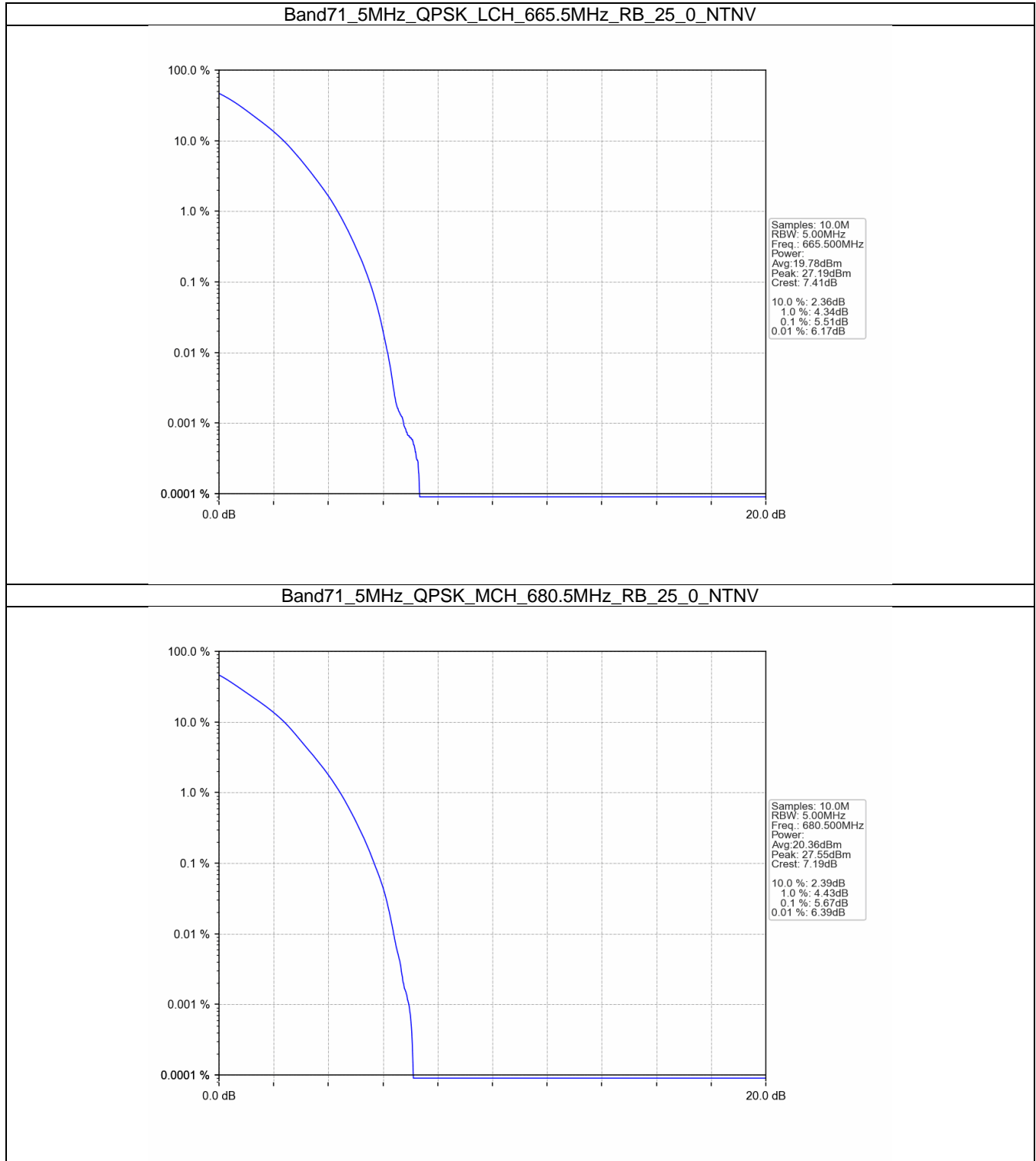
5. Peak-Average Ratio

5.1 B71_5MHz

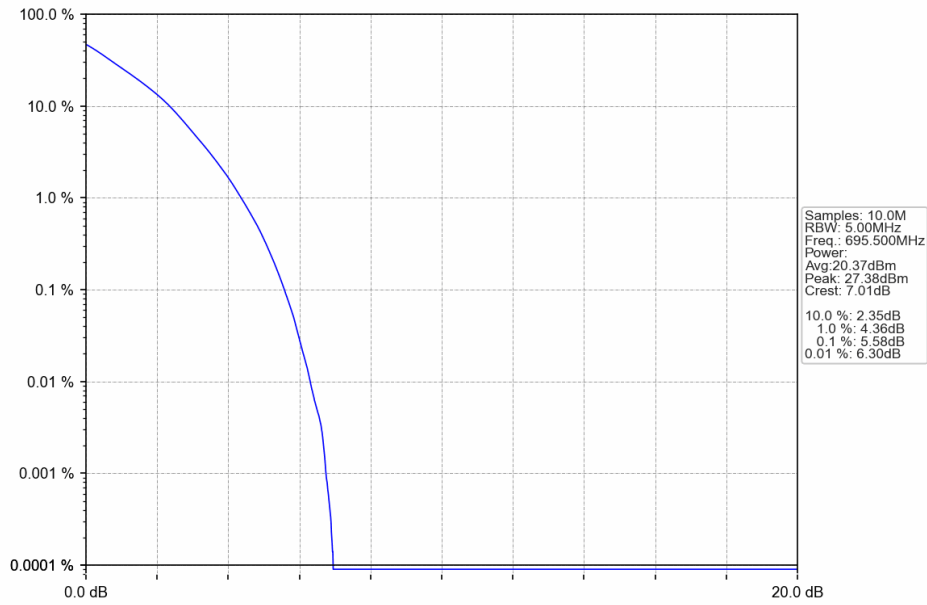
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.51	<=13	Pass
	680.5	25	0	5.67	<=13	Pass
	695.5	25	0	5.58	<=13	Pass
16QAM	665.5	25	0	6.18	<=13	Pass
	680.5	25	0	6.41	<=13	Pass
	695.5	25	0	6.21	<=13	Pass

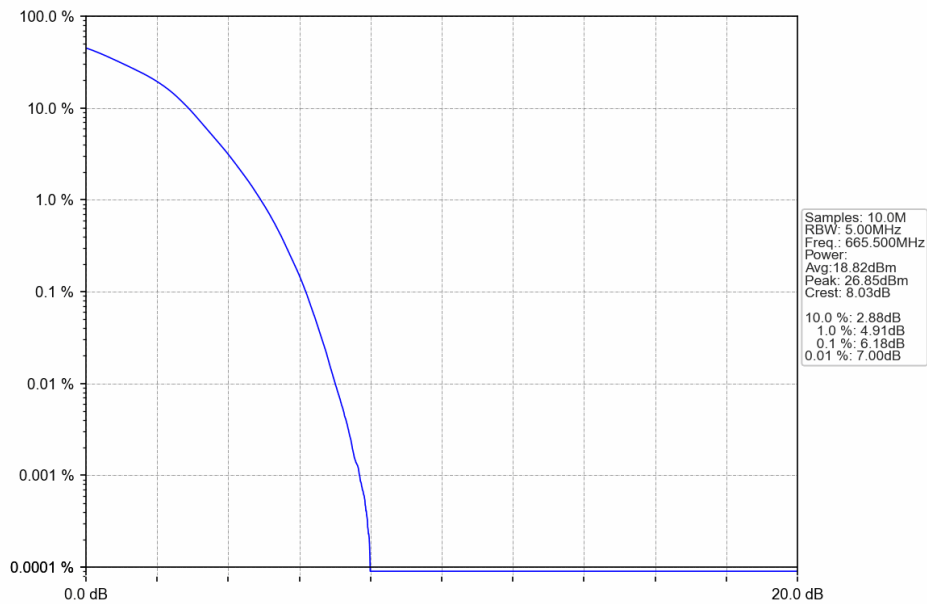
5.1.2 Test Graph



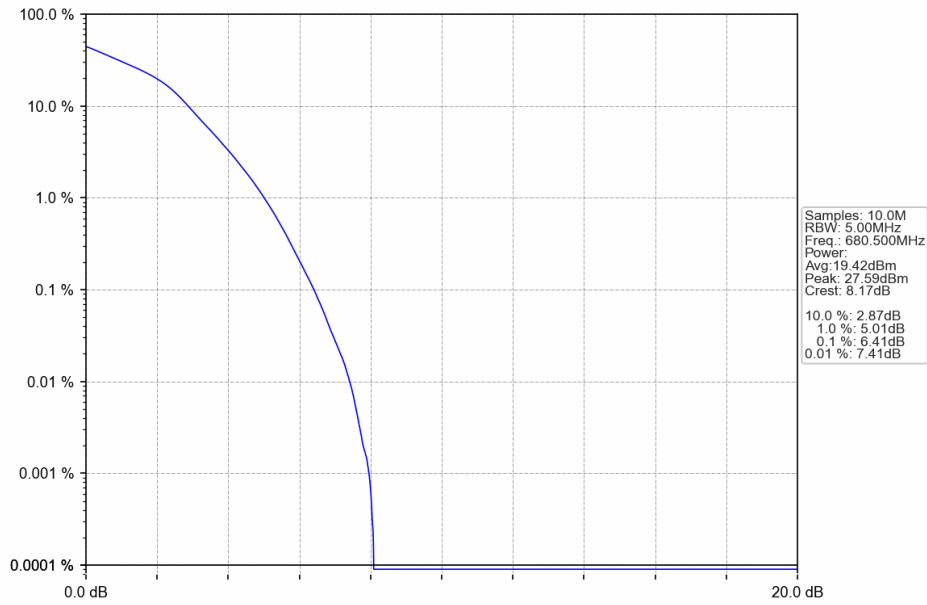
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



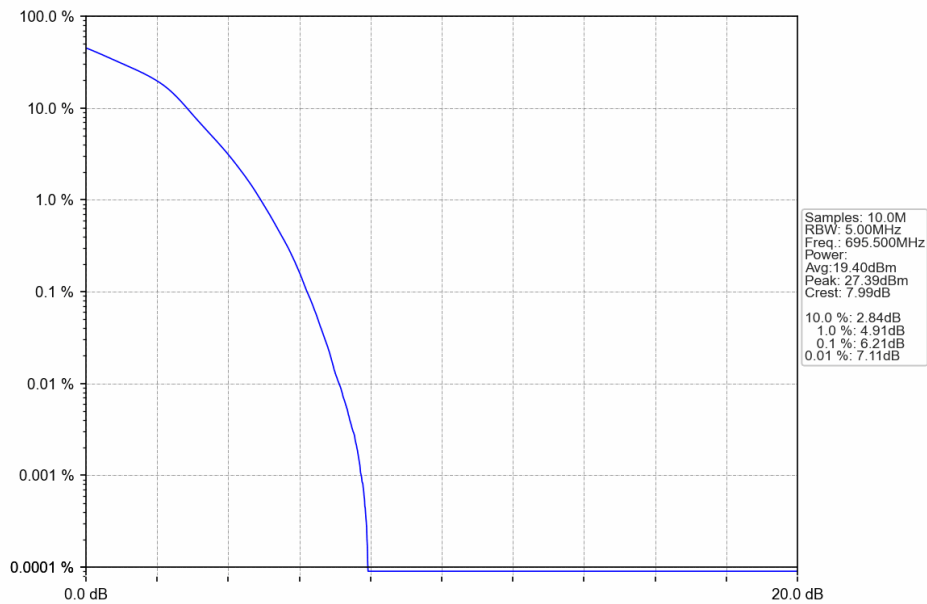
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



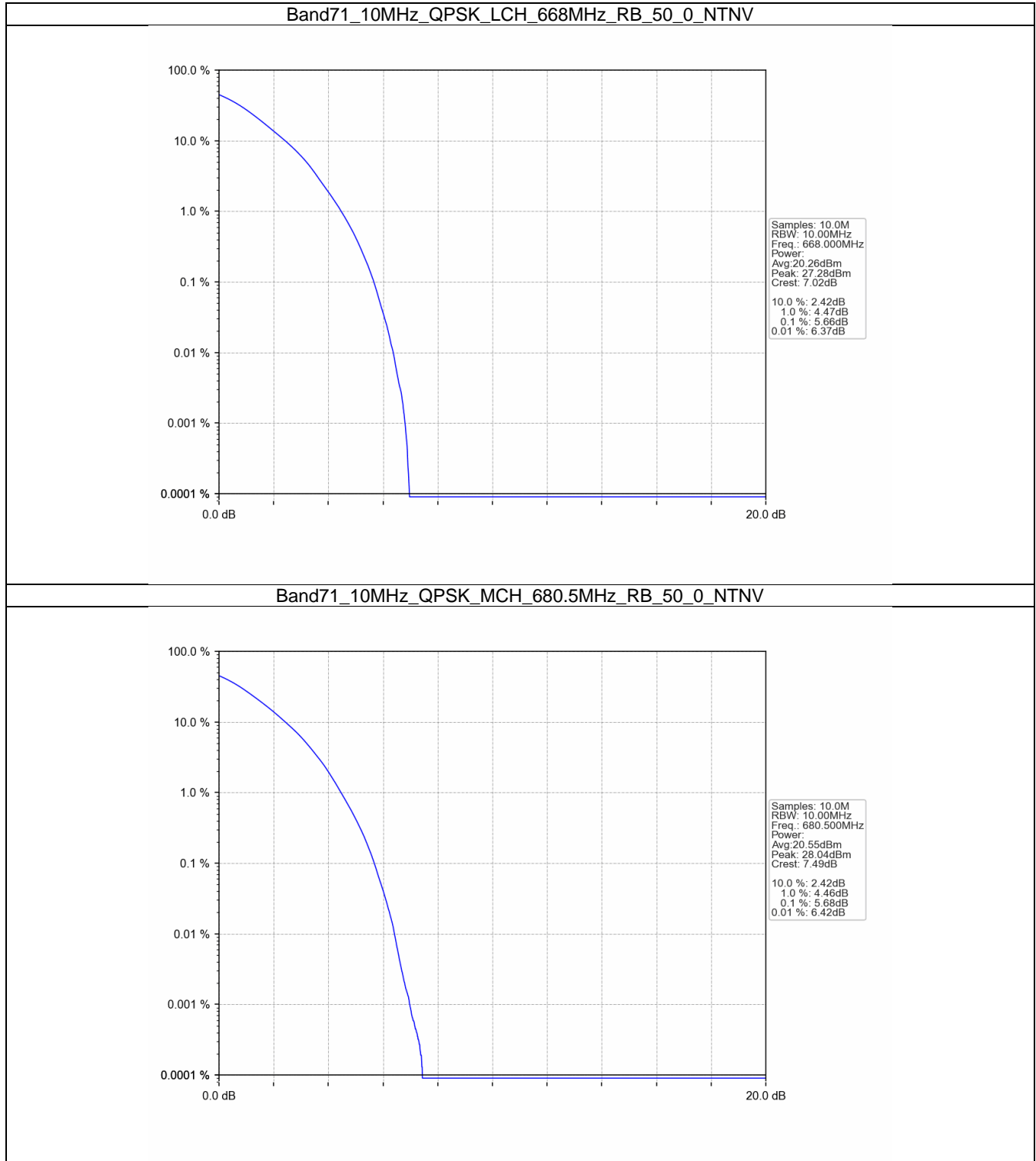


5.2 B71_10MHz

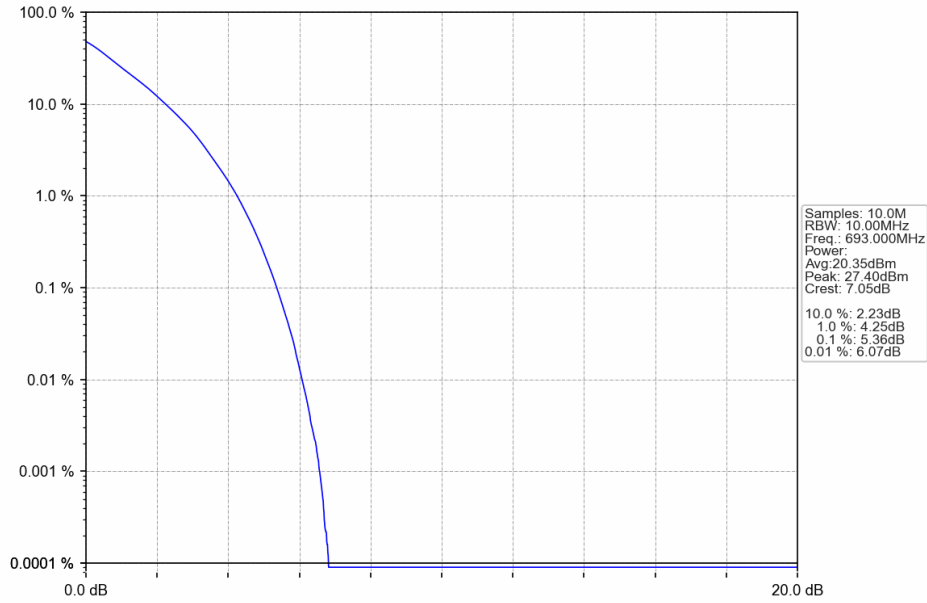
5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.66	<=13	Pass
	680.5	50	0	5.68	<=13	Pass
	693	50	0	5.36	<=13	Pass
16QAM	668	50	0	6.31	<=13	Pass
	680.5	50	0	6.40	<=13	Pass
	693	50	0	6.15	<=13	Pass

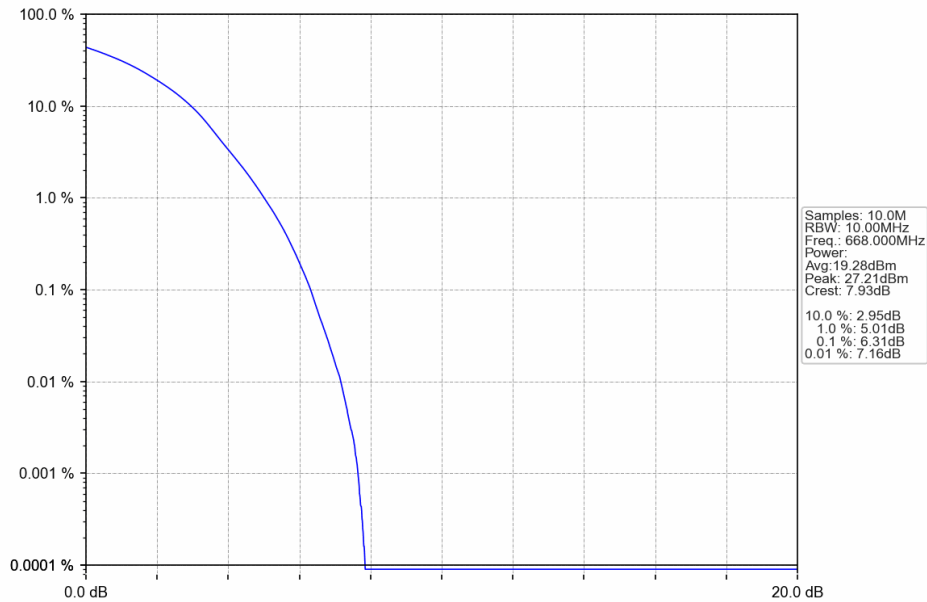
5.2.2 Test Graph



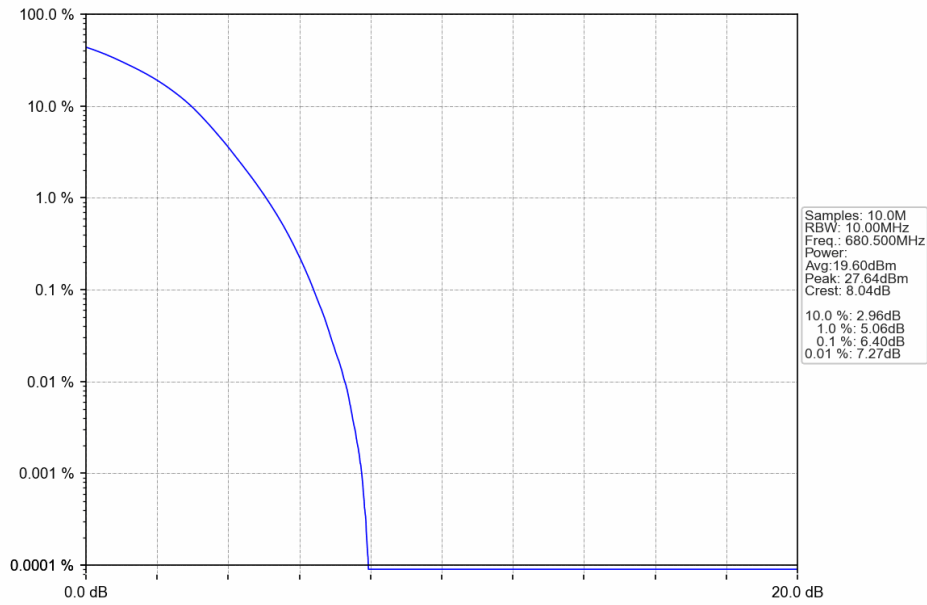
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



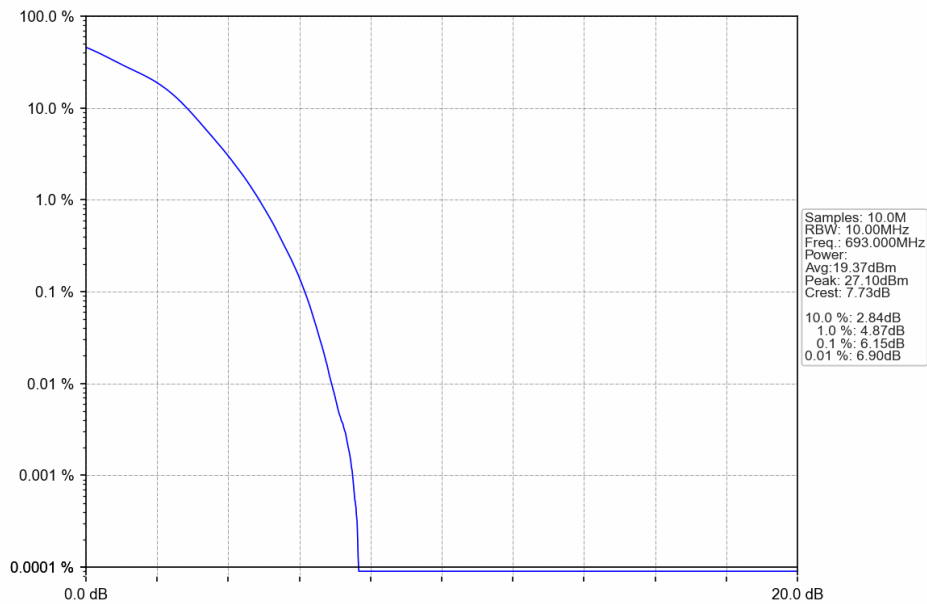
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



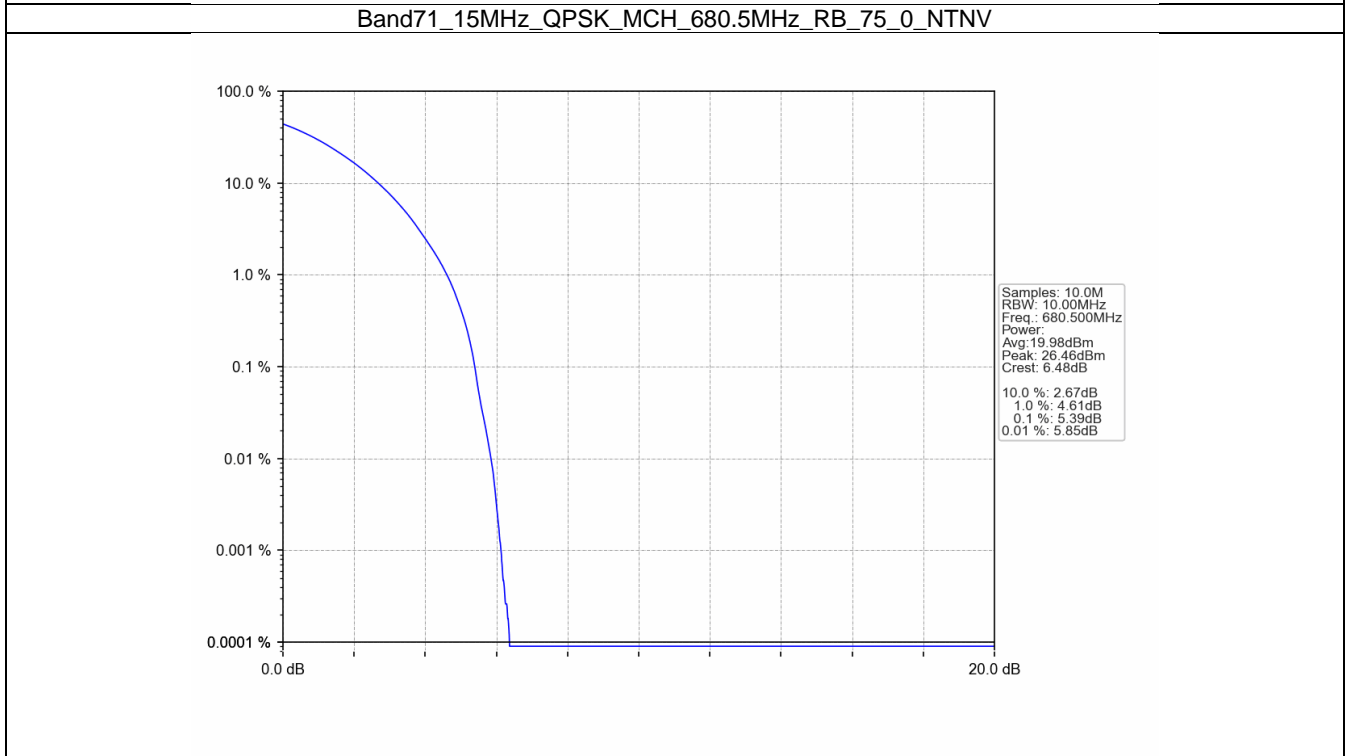
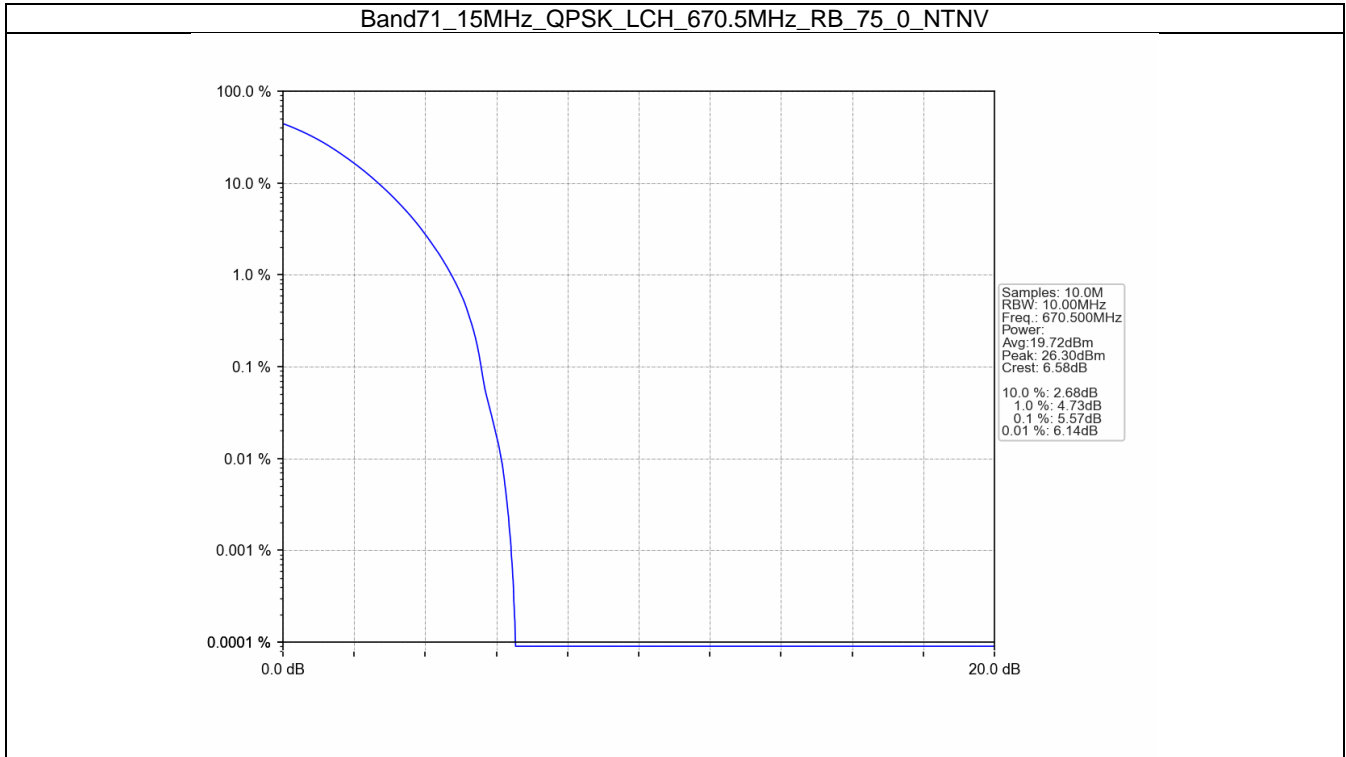


5.3 B71_15MHz

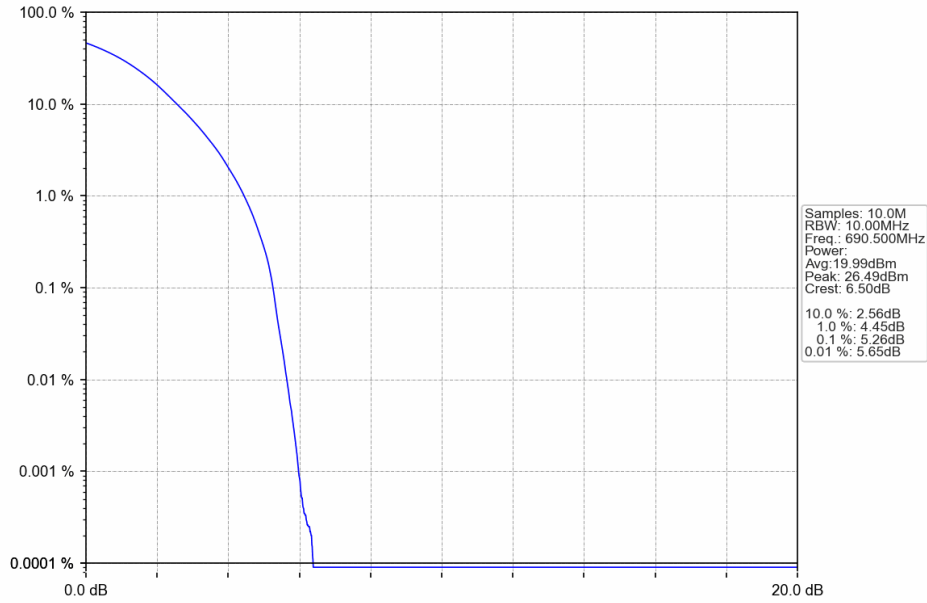
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.57	<=13	Pass
	680.5	75	0	5.39	<=13	Pass
	690.5	75	0	5.26	<=13	Pass
16QAM	670.5	75	0	6.26	<=13	Pass
	680.5	75	0	6.21	<=13	Pass
	690.5	75	0	6.08	<=13	Pass

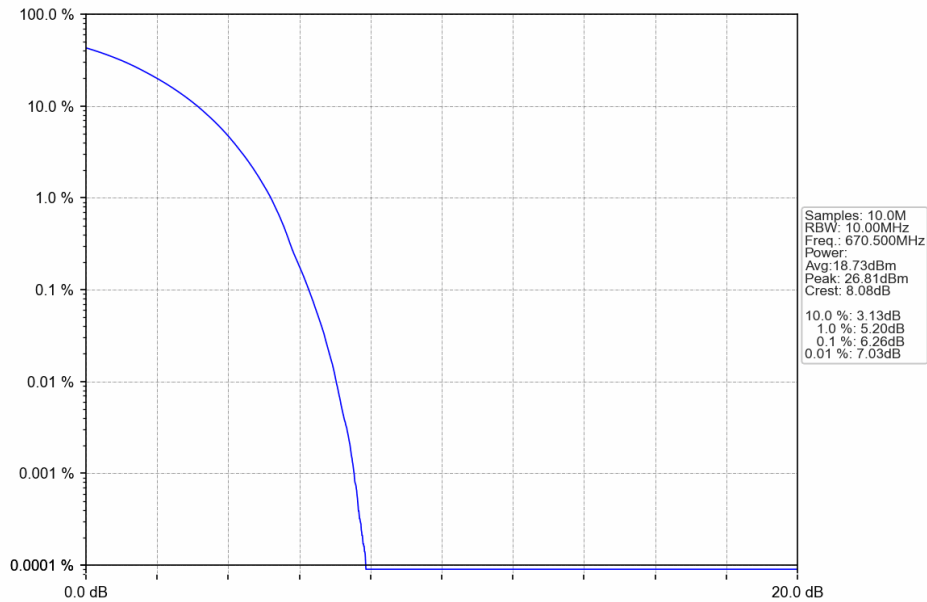
5.3.2 Test Graph



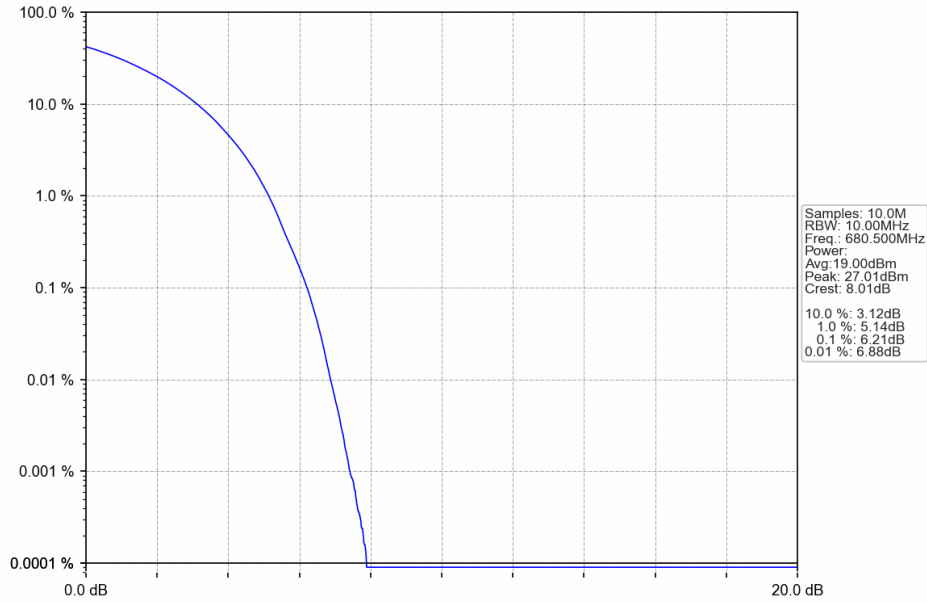
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



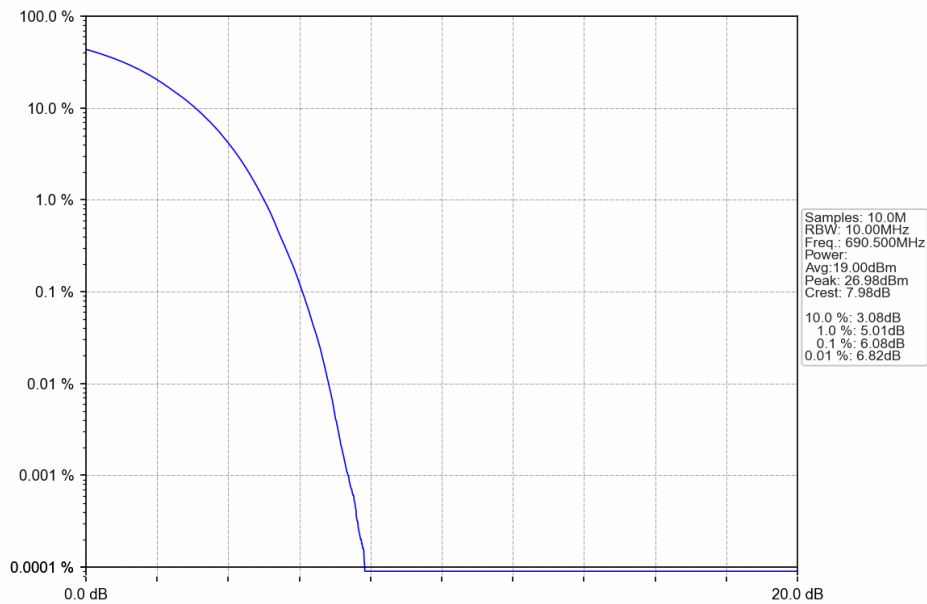
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



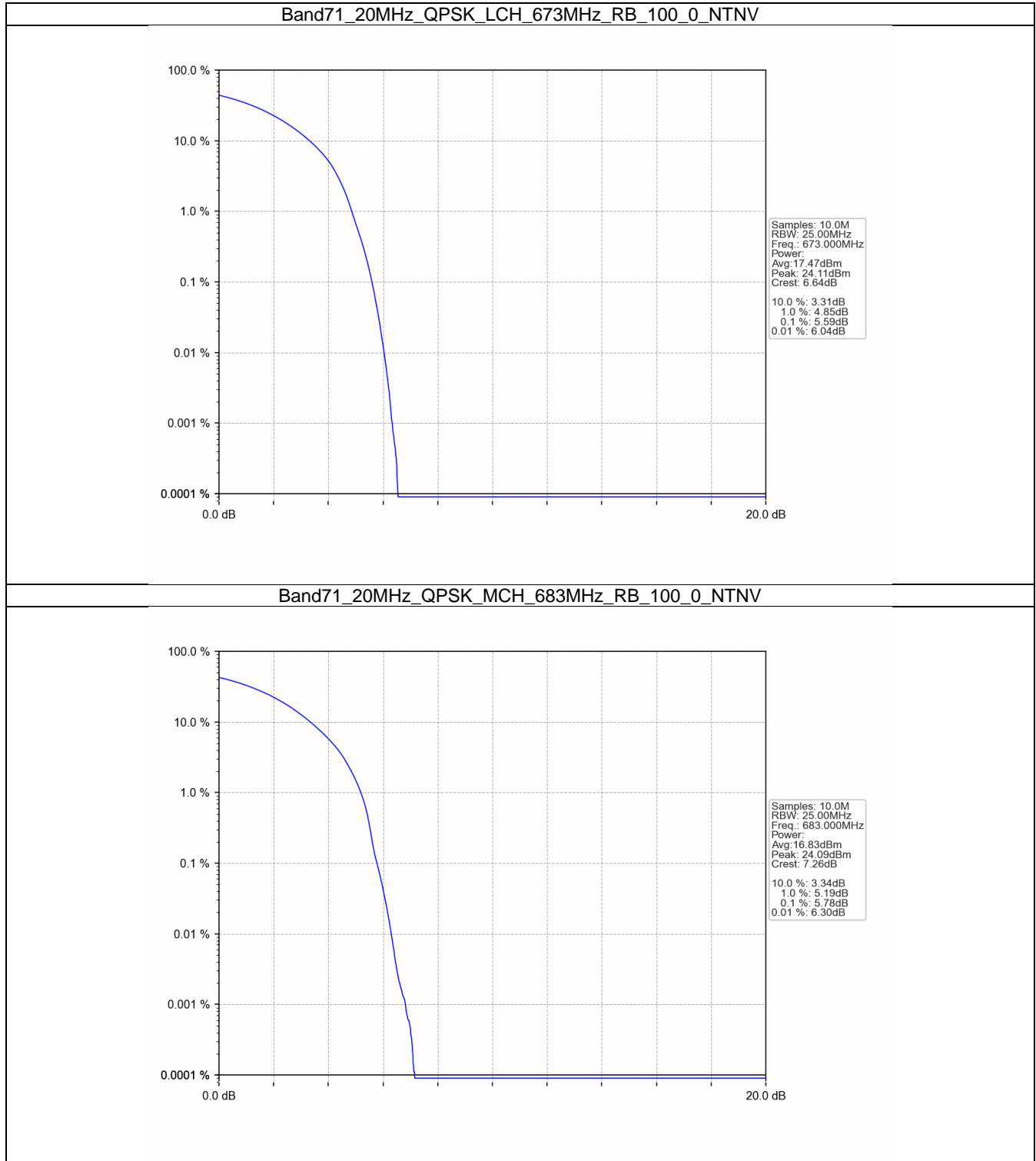


5.4 B71_20MHz

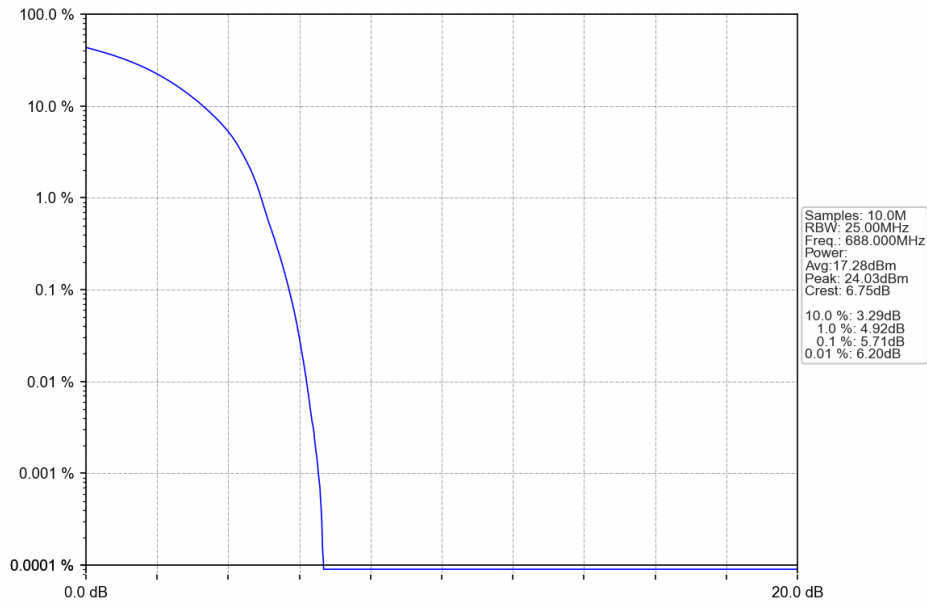
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.59	<=13	Pass
	683	100	0	5.78	<=13	Pass
	688	100	0	5.71	<=13	Pass
16QAM	673	100	0	6.61	<=13	Pass
	683	100	0	6.78	<=13	Pass
	688	100	0	6.67	<=13	Pass

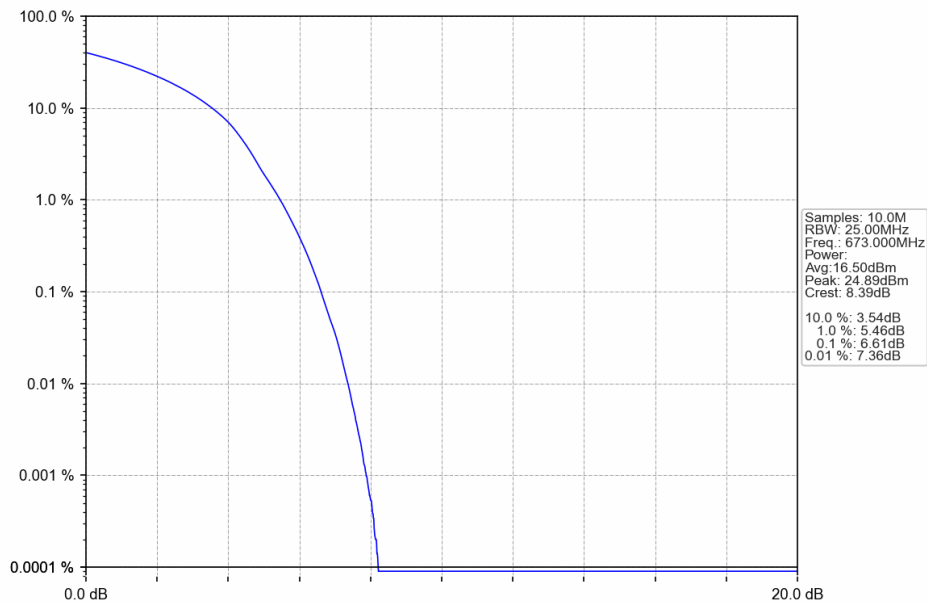
5.4.2 Test Graph



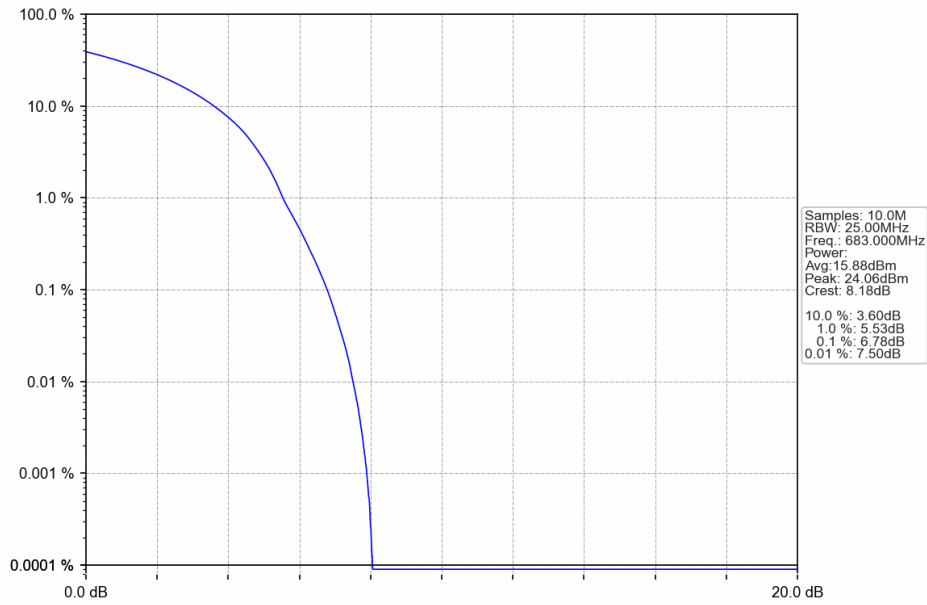
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



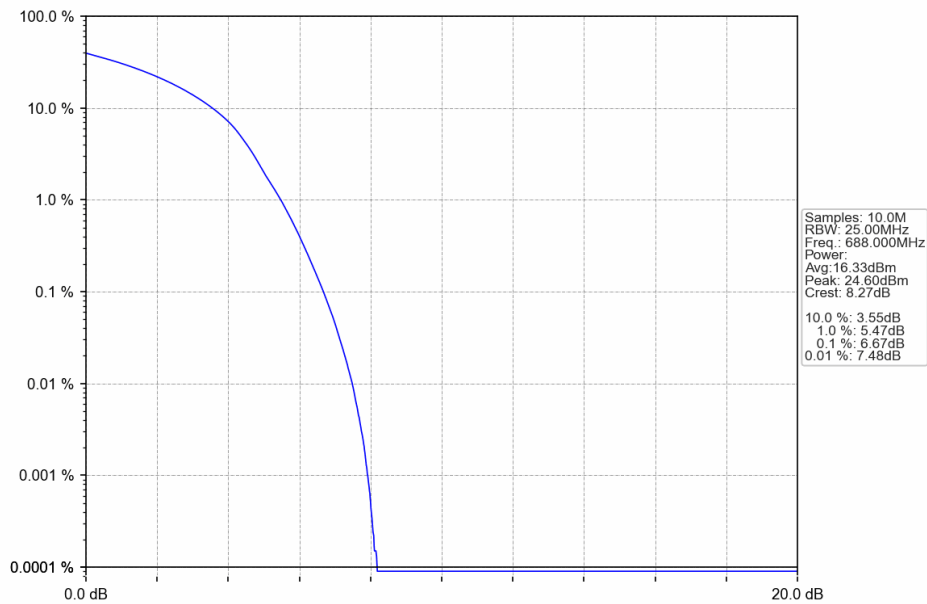
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



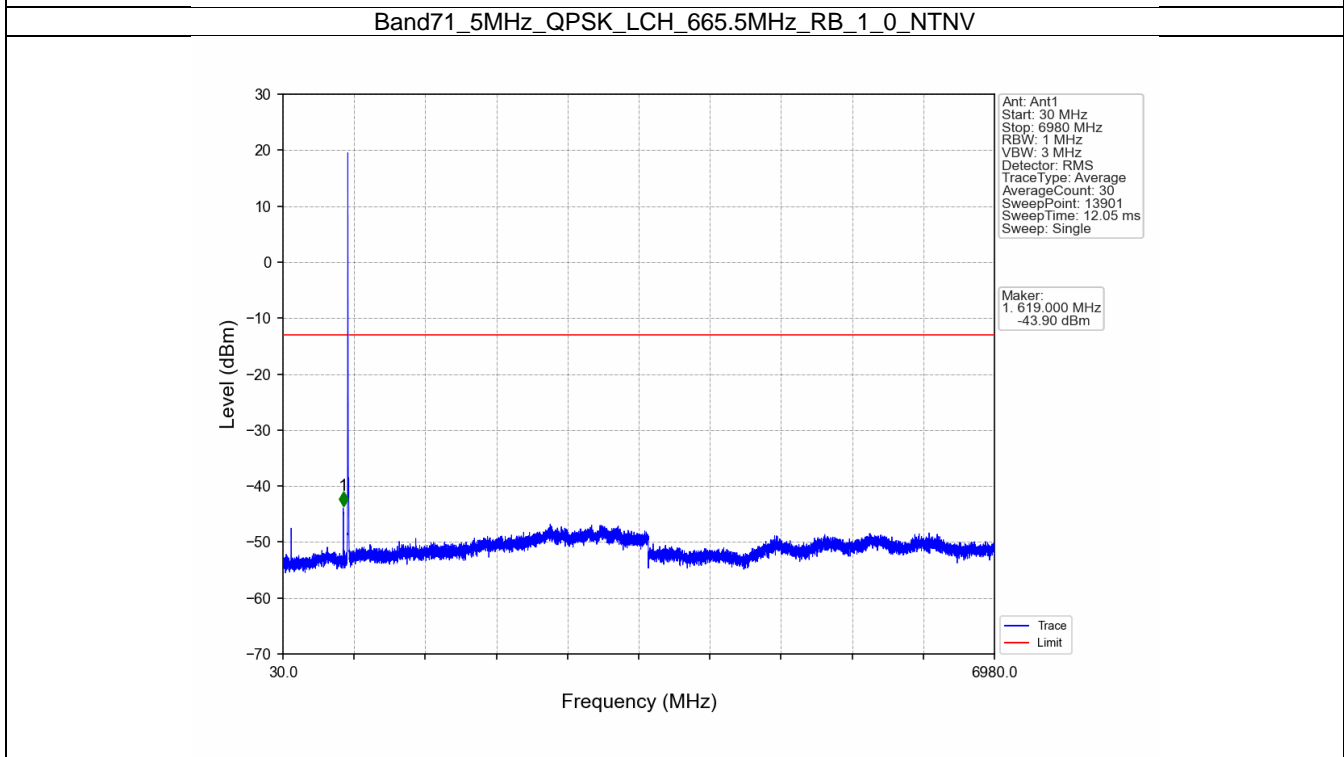
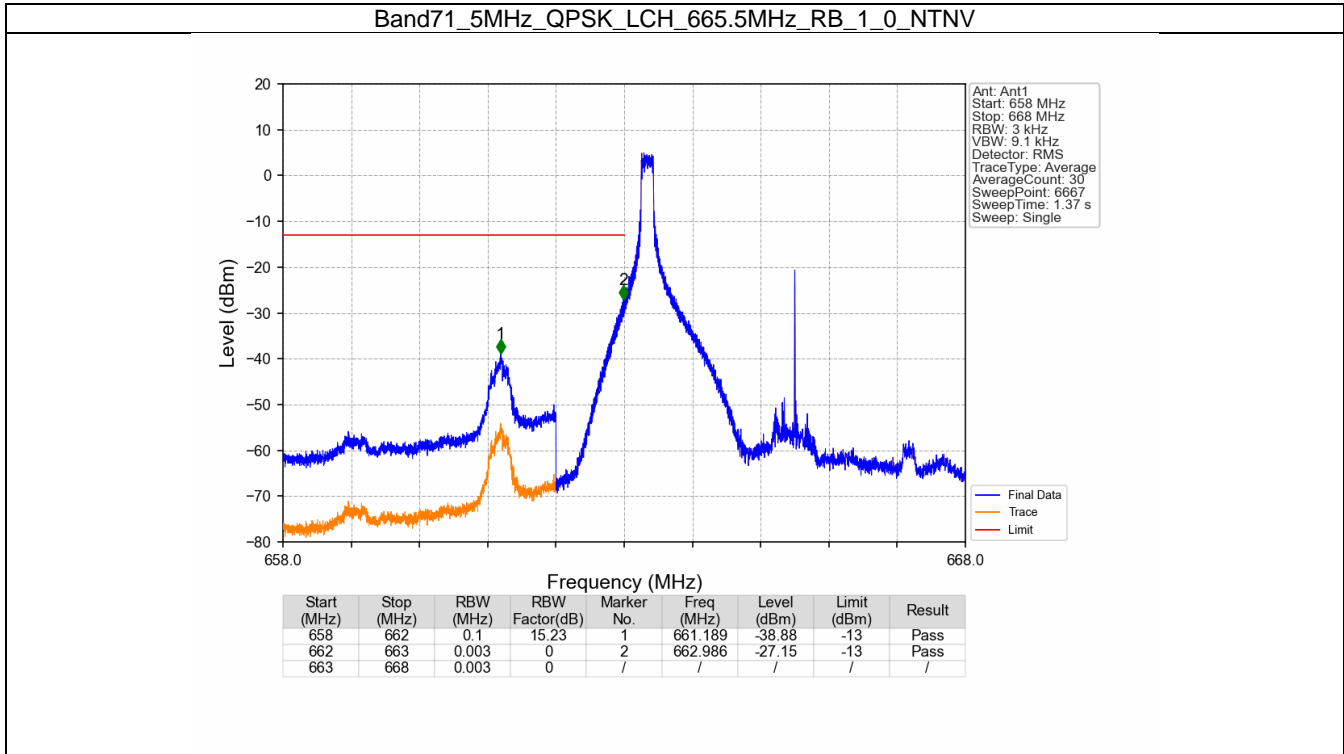
6. Spurious Emission

6.1 B71_5MHz

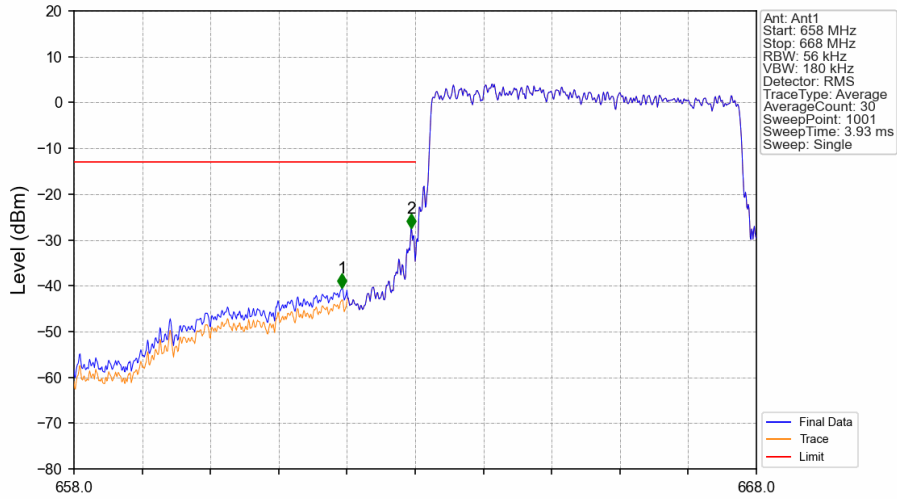
6.1.1 Test Result

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
		1	0	Refer To Test Graph		Pass
	695.5	1	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
	695.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 Test Graph

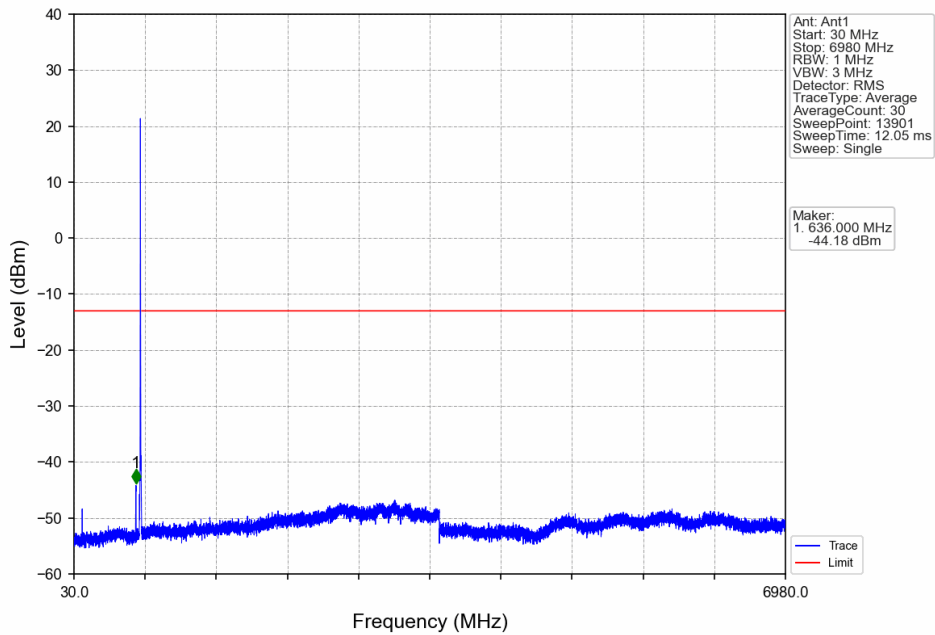


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	2.52	1	661.930	-40.52	-13	Pass
662	663	0.056	0	2	662.940	-27.47	-13	Pass
663	668	0.056	0	/	/	/	/	/

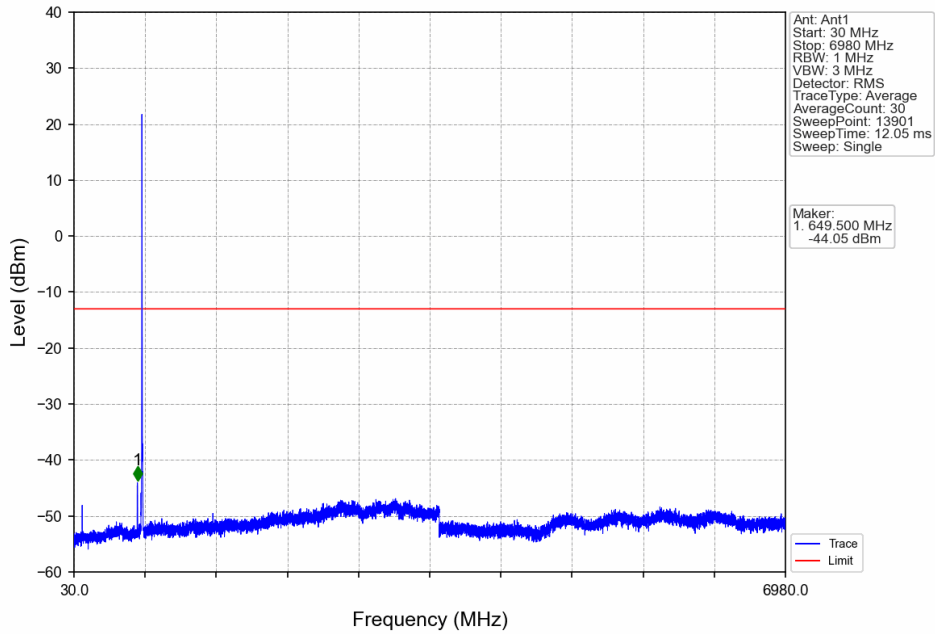
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



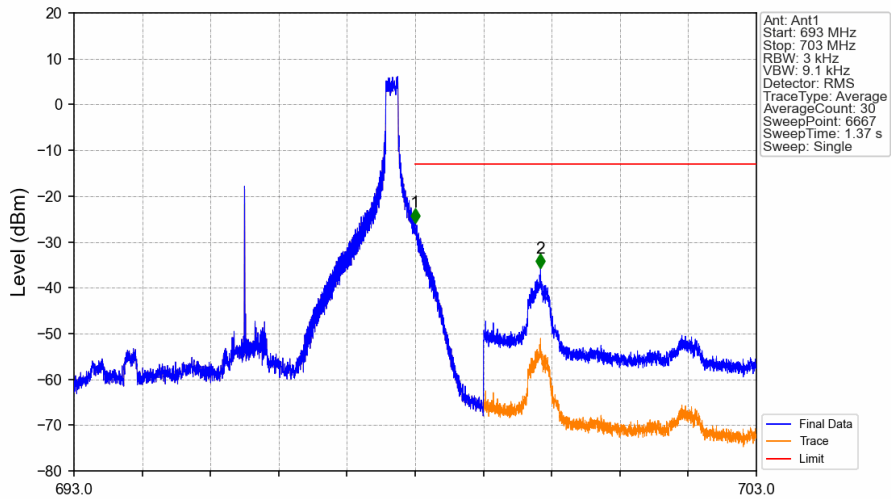
Ant: Ant1
 Start: 30 MHz
 Stop: 6980 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 Trace Type: Average
 Average Count: 30
 Sweep Point: 13901
 Sweep Time: 12.05 ms
 Sweep: Single

Marker:
 1: 636.000 MHz
 -44.18 dBm

Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

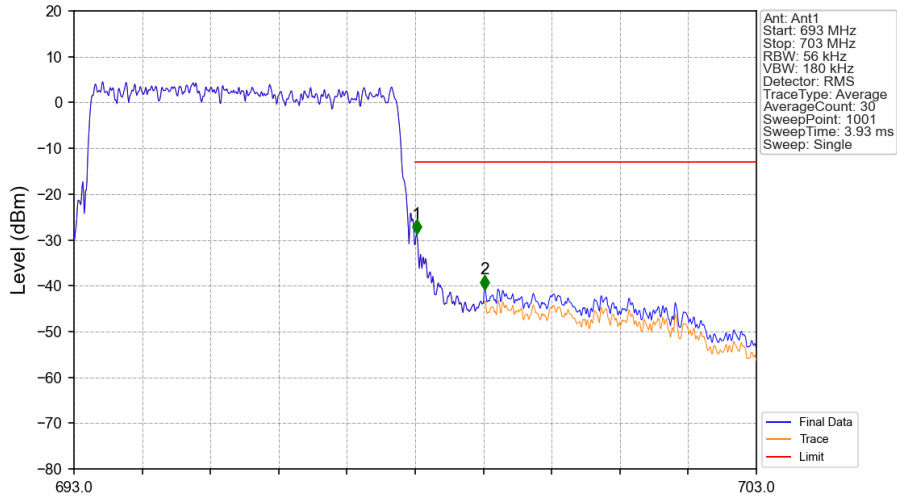


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



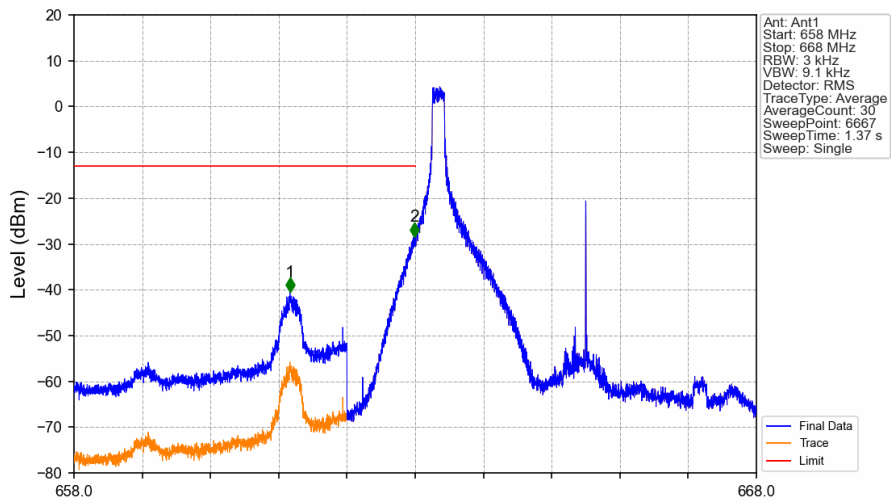
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	0	/	/	/	/	/
698	699	0.003	0	1	698.000	-25.79	-13	Pass
699	703	0.1	15.23	2	699.836	-35.81	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



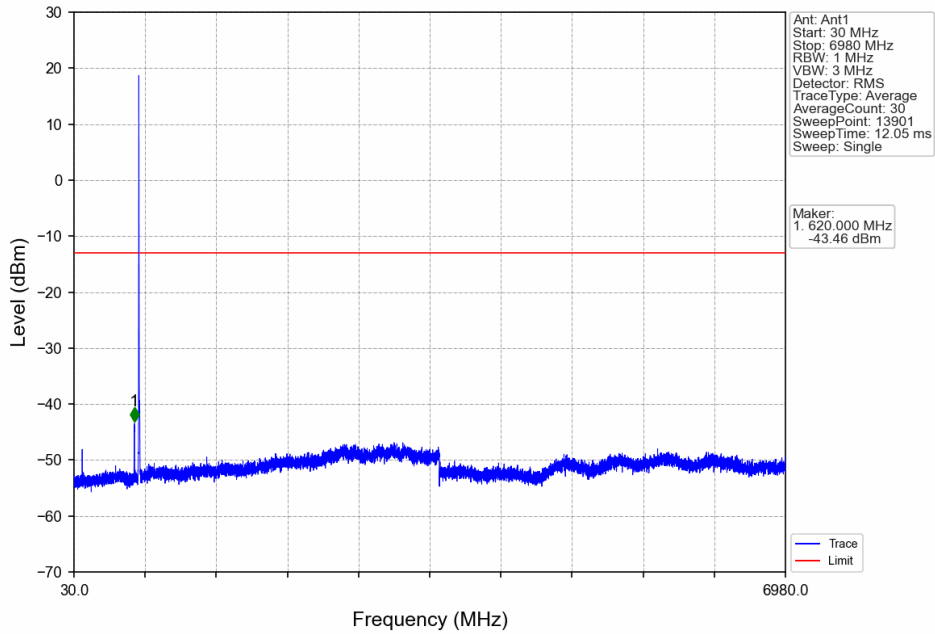
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	0	/	/	/	/	/
698	699	0.056	0	1	698.020	-28.73	-13	Pass
699	703	0.1	2.52	2	699.020	-40.79	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

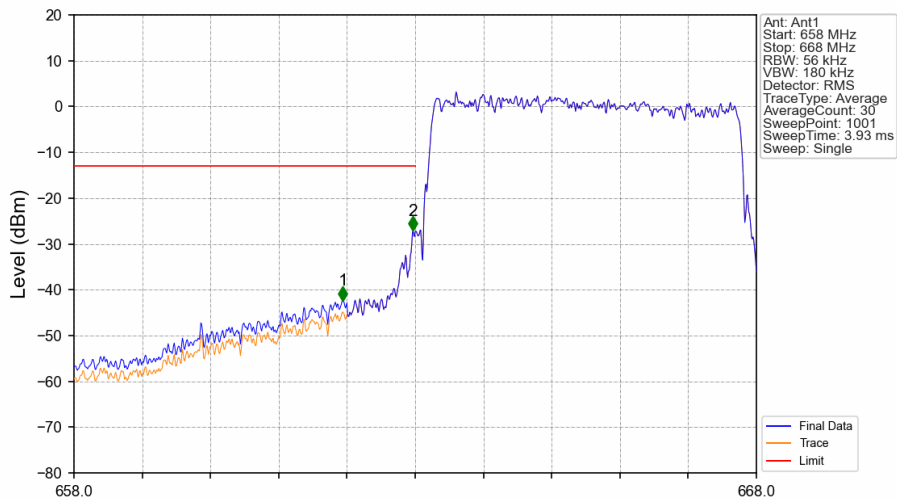


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	15.23	1	661.165	-40.55	-13	Pass
662	663	0.003	0	2	662.991	-28.44	-13	Pass
663	668	0.003	0	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

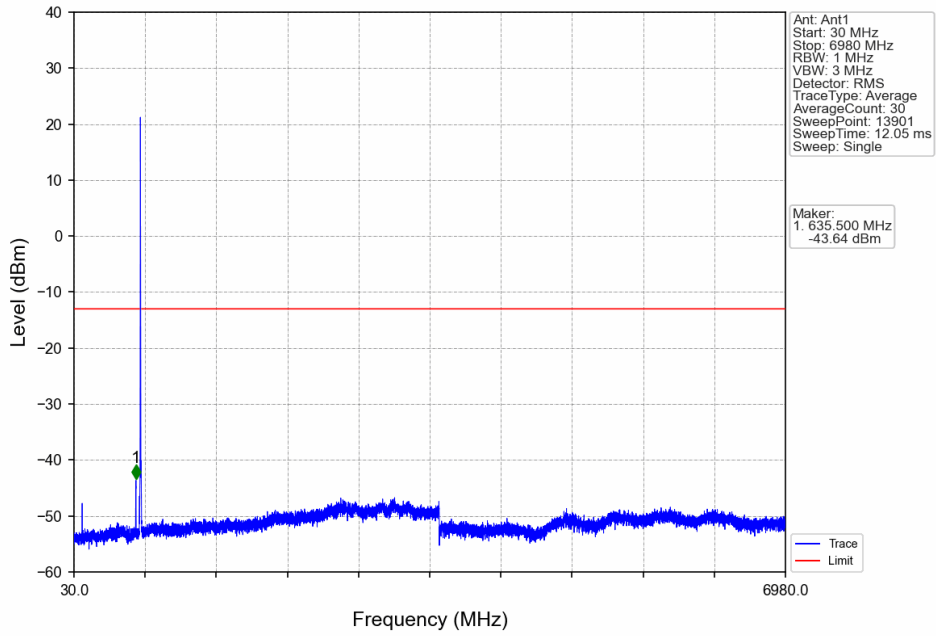


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

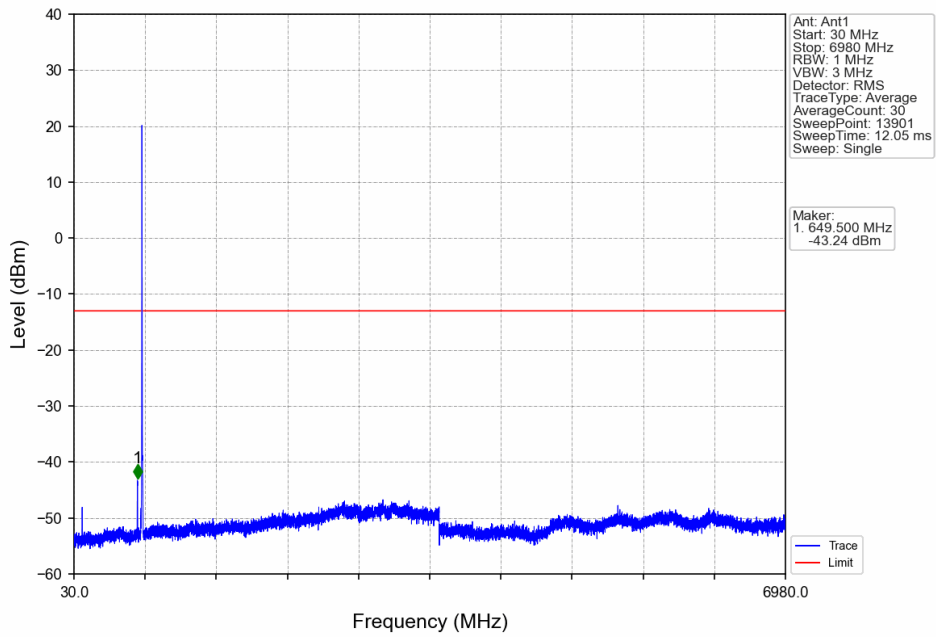


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	2.52	1	661.940	-42.34	-13	Pass
662	663	0.056	0	2	662.970	-27.10	-13	Pass
663	668	0.056	0	/	/	/	/	/

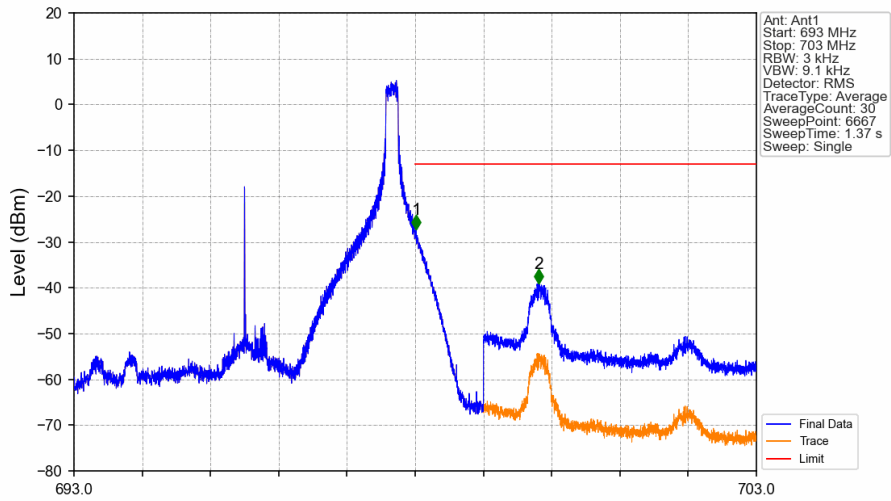
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV

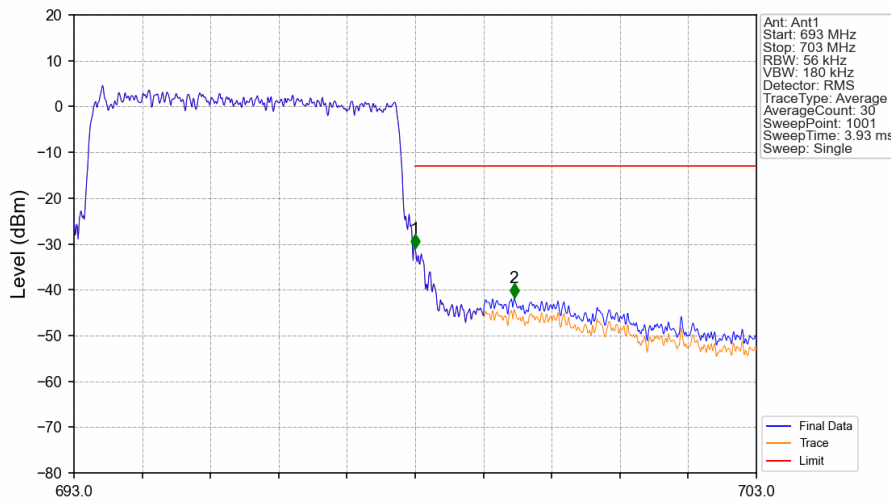


Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	0	/	/	/	/	/
698	699	0.003	0	1	698.015	-27.23	-13	Pass
699	703	0.1	15.23	2	699.808	-39.12	-13	Pass

Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



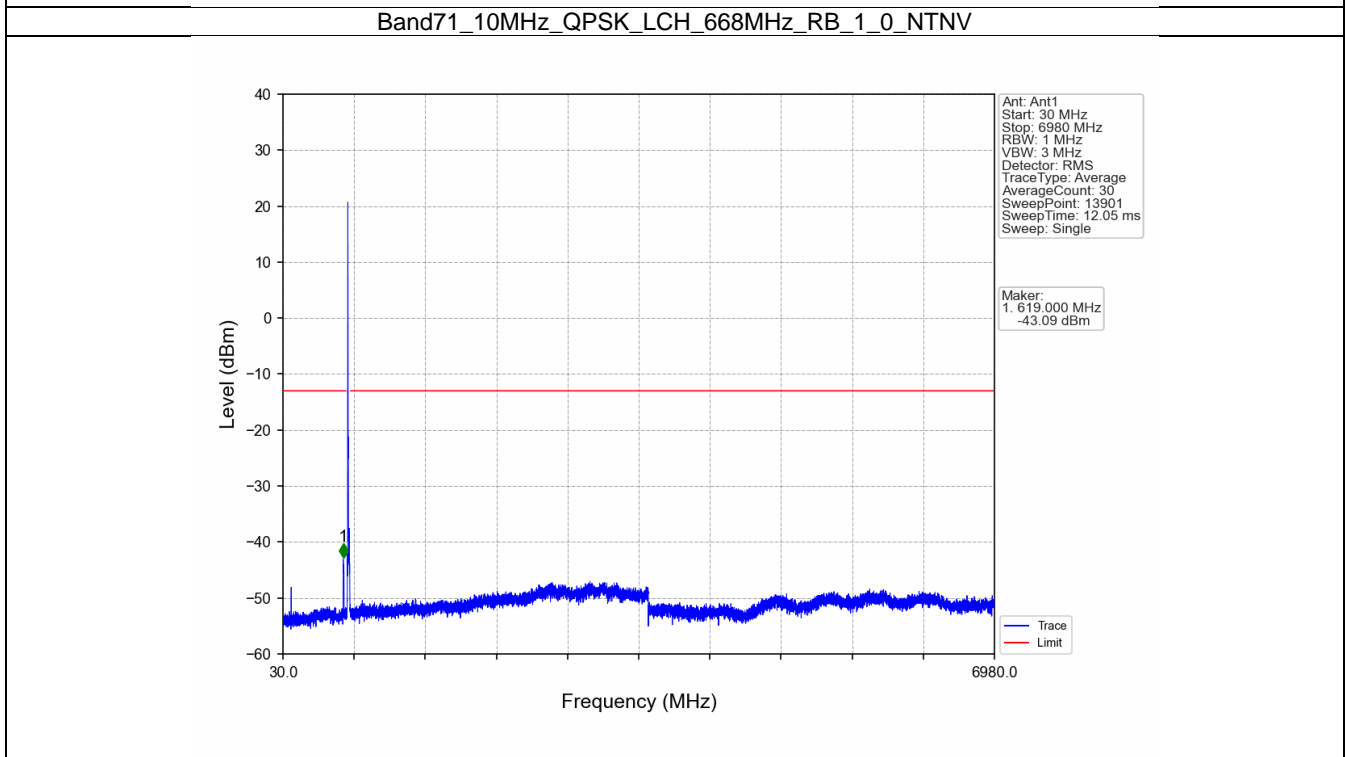
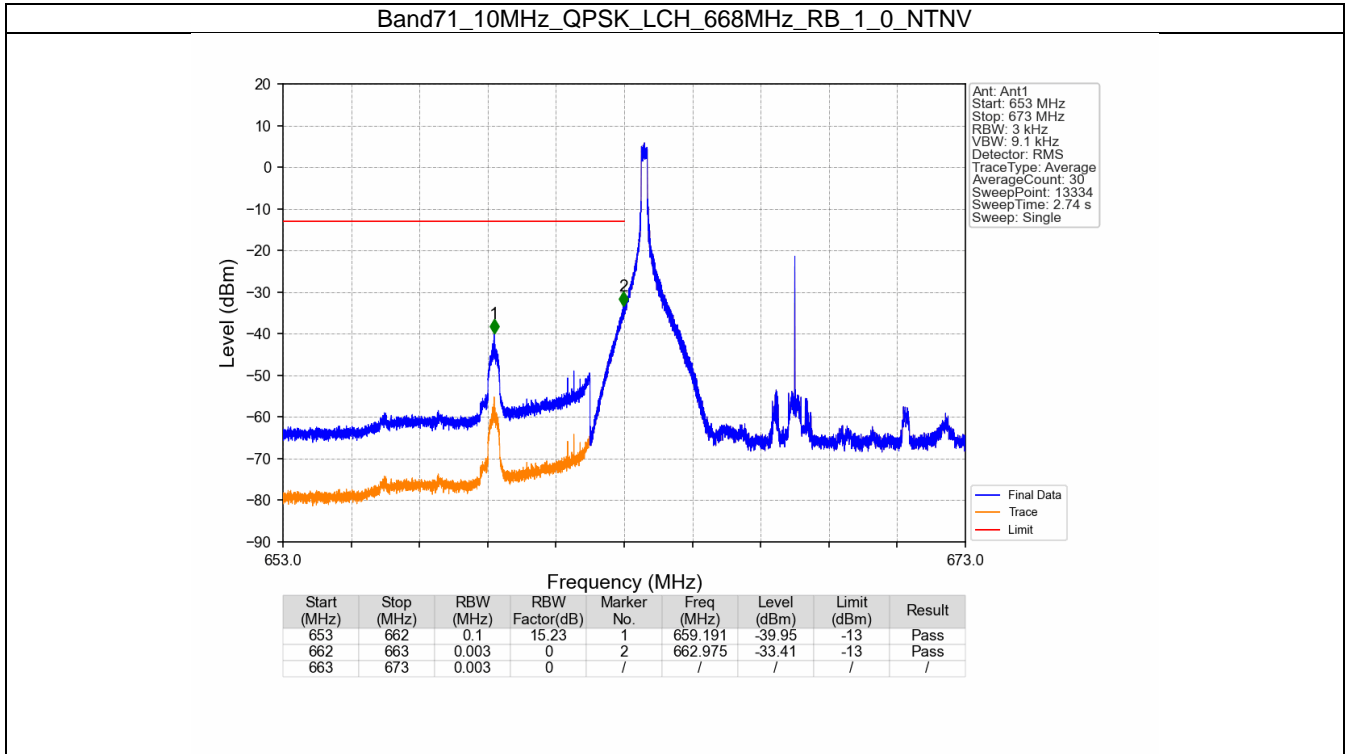
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	0	/	/	/	/	/
698	699	0.056	0	1	698.000	-30.91	-13	Pass
699	703	0.1	2.52	2	699.450	-41.80	-13	Pass

6.2 B71_10MHz

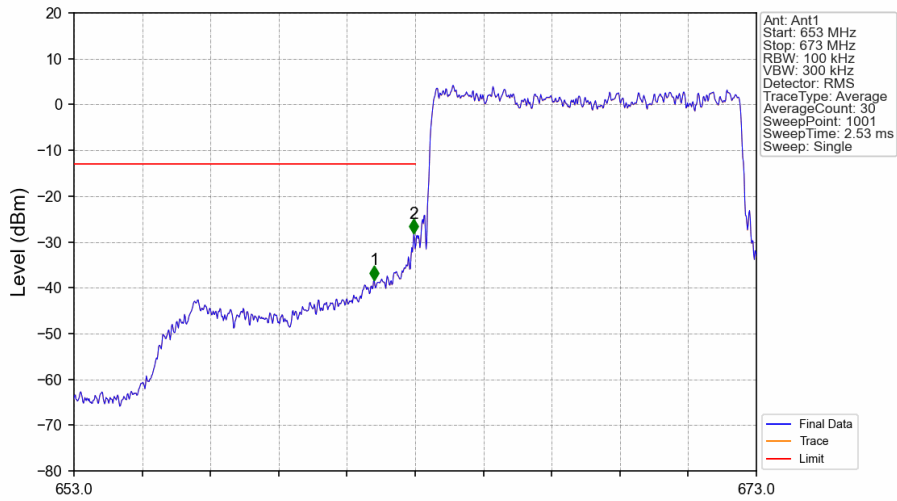
6.2.1 Test Result

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
	693	1	0	Refer To Test Graph		Pass
		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
	693	1	0	Refer To Test Graph		Pass
		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

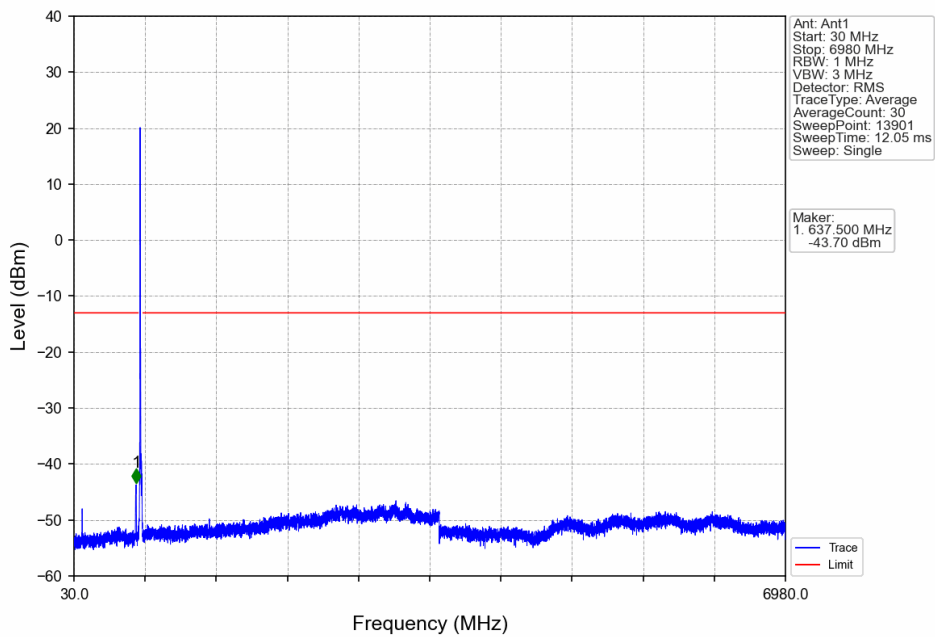


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	0	1	661.800	-38.32	-13	Pass
662	663	0.102	0.09	2	662.960	-28.13	-13	Pass
663	673	0.102	0.09	/	/	/	/	/

Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Ant: Ant1
 Start: 30 MHz
 Stop: 6980 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 Trace Type: Average
 Average Count: 30
 Sweep Point: 13901
 Sweep Time: 12.05 ms
 Sweep: Single

Marker:
 1: 637.500 MHz
 -43.70 dBm