



# 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	24.23	0.54	22.62	<=34.77	Pass		
			13	24.44	0.54	22.83	<=34.77	Pass		
			24	24.36	0.54	22.75	<=34.77	Pass		
		12	0	23.24	0.54	21.63	<=34.77	Pass		
			6	23.43	0.54	21.82	<=34.77	Pass		
			13	23.37	0.54	21.76	<=34.77	Pass		
		25	0	23.31	0.54	21.70	<=34.77	Pass		
		680.5	1	0	24.07	0.54	22.46	<=34.77	Pass	
				13	23.96	0.54	22.35	<=34.77	Pass	
	24			23.78	0.54	22.17	<=34.77	Pass		
	12		0	22.90	0.54	21.29	<=34.77	Pass		
			6	23.00	0.54	21.39	<=34.77	Pass		
			13	22.79	0.54	21.18	<=34.77	Pass		
	25		0	22.90	0.54	21.29	<=34.77	Pass		
	695.5		1	0	23.88	0.54	22.27	<=34.77	Pass	
				13	24.00	0.54	22.39	<=34.77	Pass	
		24		23.98	0.54	22.37	<=34.77	Pass		
		12	0	22.93	0.54	21.32	<=34.77	Pass		
			6	22.98	0.54	21.37	<=34.77	Pass		
			13	22.92	0.54	21.31	<=34.77	Pass		
		25	0	22.93	0.54	21.32	<=34.77	Pass		
		16QAM	665.5	1	0	23.26	0.54	21.65	<=34.77	Pass
					13	23.12	0.54	21.51	<=34.77	Pass
	24				23.03	0.54	21.42	<=34.77	Pass	
12	0			21.72	0.54	20.11	<=34.77	Pass		
	6			21.99	0.54	20.38	<=34.77	Pass		
	13			21.94	0.54	20.33	<=34.77	Pass		
25	0			21.80	0.54	20.19	<=34.77	Pass		
680.5	1			0	22.87	0.54	21.26	<=34.77	Pass	
				13	22.99	0.54	21.38	<=34.77	Pass	
			24	22.92	0.54	21.31	<=34.77	Pass		
	12		0	21.79	0.54	20.18	<=34.77	Pass		
			6	22.02	0.54	20.41	<=34.77	Pass		
			13	21.83	0.54	20.22	<=34.77	Pass		
	25		0	21.81	0.54	20.20	<=34.77	Pass		
	695.5		1	0	22.88	0.54	21.27	<=34.77	Pass	
				13	23.10	0.54	21.49	<=34.77	Pass	
24				23.07	0.54	21.46	<=34.77	Pass		
12			0	21.94	0.54	20.33	<=34.77	Pass		
			6	21.99	0.54	20.38	<=34.77	Pass		
			13	21.95	0.54	20.34	<=34.77	Pass		
25			0	21.99	0.54	20.38	<=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	24.20	0.54	22.59	<=34.77	Pass		
			25	24.51	0.54	22.90	<=34.77	Pass		
			49	24.21	0.54	22.60	<=34.77	Pass		
		25	0	22.96	0.54	21.35	<=34.77	Pass		
			13	23.04	0.54	21.43	<=34.77	Pass		
			25	22.96	0.54	21.35	<=34.77	Pass		
		50	0	22.90	0.54	21.29	<=34.77	Pass		
		680.5	1	0	23.74	0.54	22.13	<=34.77	Pass	
				25	23.97	0.54	22.36	<=34.77	Pass	
	49			23.81	0.54	22.20	<=34.77	Pass		
	25		0	22.85	0.54	21.24	<=34.77	Pass		
			13	22.87	0.54	21.26	<=34.77	Pass		
			25	22.83	0.54	21.22	<=34.77	Pass		
	50		0	22.83	0.54	21.22	<=34.77	Pass		
	693		1	0	23.72	0.54	22.11	<=34.77	Pass	
				25	23.95	0.54	22.34	<=34.77	Pass	
		49		23.93	0.54	22.32	<=34.77	Pass		
		25	0	22.95	0.54	21.34	<=34.77	Pass		
			13	22.97	0.54	21.36	<=34.77	Pass		
			25	22.90	0.54	21.29	<=34.77	Pass		
		50	0	22.86	0.54	21.25	<=34.77	Pass		
		16QAM	668	1	0	22.86	0.54	21.25	<=34.77	Pass
					25	23.19	0.54	21.58	<=34.77	Pass
	49				23.03	0.54	21.42	<=34.77	Pass	
25	0			21.85	0.54	20.24	<=34.77	Pass		
	13			21.97	0.54	20.36	<=34.77	Pass		
	25			21.97	0.54	20.36	<=34.77	Pass		
50	0			21.88	0.54	20.27	<=34.77	Pass		
680.5	1			0	22.65	0.54	21.04	<=34.77	Pass	
				25	22.84	0.54	21.23	<=34.77	Pass	
			49	22.70	0.54	21.09	<=34.77	Pass		
	25		0	21.85	0.54	20.24	<=34.77	Pass		
			13	21.93	0.54	20.32	<=34.77	Pass		
			25	21.93	0.54	20.32	<=34.77	Pass		
	50		0	21.79	0.54	20.18	<=34.77	Pass		
	693		1	0	22.89	0.54	21.28	<=34.77	Pass	
				25	23.09	0.54	21.48	<=34.77	Pass	
49				23.12	0.54	21.51	<=34.77	Pass		
25			0	21.91	0.54	20.30	<=34.77	Pass		
			13	21.95	0.54	20.34	<=34.77	Pass		
			25	21.88	0.54	20.27	<=34.77	Pass		
50			0	21.87	0.54	20.26	<=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	24.15	0.54	22.54	<=34.77	Pass		
			38	24.43	0.54	22.82	<=34.77	Pass		
			74	24.16	0.54	22.55	<=34.77	Pass		
		36	0	23.29	0.54	21.68	<=34.77	Pass		
			18	23.10	0.54	21.49	<=34.77	Pass		
			39	23.01	0.54	21.40	<=34.77	Pass		
		75	0	22.95	0.54	21.34	<=34.77	Pass		
		680.5	1	0	23.64	0.54	22.03	<=34.77	Pass	
				38	23.82	0.54	22.21	<=34.77	Pass	
	74			23.69	0.54	22.08	<=34.77	Pass		
	36		0	22.82	0.54	21.21	<=34.77	Pass		
			18	22.94	0.54	21.33	<=34.77	Pass		
			39	22.79	0.54	21.18	<=34.77	Pass		
	75		0	22.78	0.54	21.17	<=34.77	Pass		
	690.5		1	0	23.60	0.54	21.99	<=34.77	Pass	
				38	23.77	0.54	22.16	<=34.77	Pass	
		74		23.79	0.54	22.18	<=34.77	Pass		
		36	0	22.83	0.54	21.22	<=34.77	Pass		
			18	22.90	0.54	21.29	<=34.77	Pass		
			39	22.97	0.54	21.36	<=34.77	Pass		
		75	0	22.90	0.54	21.29	<=34.77	Pass		
		16QAM	670.5	1	0	22.86	0.54	21.25	<=34.77	Pass
					38	23.19	0.54	21.58	<=34.77	Pass
	74				22.92	0.54	21.31	<=34.77	Pass	
	36			0	21.86	0.54	20.25	<=34.77	Pass	
				18	21.94	0.54	20.33	<=34.77	Pass	
				39	21.97	0.54	20.36	<=34.77	Pass	
75	0			21.90	0.54	20.29	<=34.77	Pass		
680.5	1			0	22.54	0.54	20.93	<=34.77	Pass	
				38	22.73	0.54	21.12	<=34.77	Pass	
			74	22.53	0.54	20.92	<=34.77	Pass		
	36		0	21.68	0.54	20.07	<=34.77	Pass		
			18	21.89	0.54	20.28	<=34.77	Pass		
			39	21.76	0.54	20.15	<=34.77	Pass		
	75		0	21.79	0.54	20.18	<=34.77	Pass		
	690.5		1	0	22.73	0.54	21.12	<=34.77	Pass	
				38	22.94	0.54	21.33	<=34.77	Pass	
74				22.98	0.54	21.37	<=34.77	Pass		
36			0	21.78	0.54	20.17	<=34.77	Pass		
			18	21.85	0.54	20.24	<=34.77	Pass		
			39	21.88	0.54	20.27	<=34.77	Pass		
75			0	21.85	0.54	20.24	<=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	24.02	0.54	22.41	<=34.77	Pass		
			50	24.49	0.54	22.88	<=34.77	Pass		
			99	24.15	0.54	22.54	<=34.77	Pass		
		50	0	23.35	0.54	21.74	<=34.77	Pass		
			25	23.42	0.54	21.81	<=34.77	Pass		
			50	23.27	0.54	21.66	<=34.77	Pass		
		100	0	23.18	0.54	21.57	<=34.77	Pass		
		683	1	0	23.71	0.54	22.10	<=34.77	Pass	
				50	23.92	0.54	22.31	<=34.77	Pass	
	99			23.65	0.54	22.04	<=34.77	Pass		
	50		0	22.79	0.54	21.18	<=34.77	Pass		
			25	22.82	0.54	21.21	<=34.77	Pass		
			50	22.82	0.54	21.21	<=34.77	Pass		
	100		0	22.79	0.54	21.18	<=34.77	Pass		
	688		1	0	23.37	0.54	21.76	<=34.77	Pass	
				50	23.74	0.54	22.13	<=34.77	Pass	
		99		23.61	0.54	22.00	<=34.77	Pass		
		50	0	22.85	0.54	21.24	<=34.77	Pass		
			25	22.82	0.54	21.21	<=34.77	Pass		
			50	22.80	0.54	21.19	<=34.77	Pass		
		100	0	22.81	0.54	21.20	<=34.77	Pass		
		16QAM	673	1	0	22.79	0.54	21.18	<=34.77	Pass
					50	23.11	0.54	21.50	<=34.77	Pass
	99				22.75	0.54	21.14	<=34.77	Pass	
50	0			21.86	0.54	20.25	<=34.77	Pass		
	25			21.93	0.54	20.32	<=34.77	Pass		
	50			21.79	0.54	20.18	<=34.77	Pass		
100	0			21.84	0.54	20.23	<=34.77	Pass		
683	1			0	22.58	0.54	20.97	<=34.77	Pass	
				50	23.02	0.54	21.41	<=34.77	Pass	
			99	22.66	0.54	21.05	<=34.77	Pass		
	50		0	21.78	0.54	20.17	<=34.77	Pass		
			25	21.86	0.54	20.25	<=34.77	Pass		
			50	21.81	0.54	20.20	<=34.77	Pass		
	100		0	21.80	0.54	20.19	<=34.77	Pass		
	688		1	0	22.45	0.54	20.84	<=34.77	Pass	
				50	22.87	0.54	21.26	<=34.77	Pass	
99				22.75	0.54	21.14	<=34.77	Pass		
50			0	21.92	0.54	20.31	<=34.77	Pass		
			25	21.92	0.54	20.31	<=34.77	Pass		
			50	21.87	0.54	20.26	<=34.77	Pass		
100			0	21.83	0.54	20.22	<=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	-10.972	-0.0165	-2.5 to 2.5	Pass			
					3.85	-4.520	-0.0068	-2.5 to 2.5	Pass			
					4.43	-5.693	-0.0086	-2.5 to 2.5	Pass			
				-30	3.85	-11.015	-0.0166	-2.5 to 2.5	Pass			
				-20	3.85	-4.349	-0.0065	-2.5 to 2.5	Pass			
				-10	3.85	-6.351	-0.0095	-2.5 to 2.5	Pass			
				0	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass			
				10	3.85	-13.018	-0.0196	-2.5 to 2.5	Pass			
				30	3.85	-5.307	-0.0080	-2.5 to 2.5	Pass			
				40	3.85	-4.377	-0.0066	-2.5 to 2.5	Pass			
				50	3.85	-10.657	-0.0160	-2.5 to 2.5	Pass			
				680.5	25	0	20	3.27	-5.007	-0.0074	-2.5 to 2.5	Pass
								3.85	-10.815	-0.0159	-2.5 to 2.5	Pass
								4.43	-10.428	-0.0153	-2.5 to 2.5	Pass
							-30	3.85	-11.301	-0.0166	-2.5 to 2.5	Pass
	-20	3.85	-6.623				-0.0097	-2.5 to 2.5	Pass			
	-10	3.85	-11.187				-0.0164	-2.5 to 2.5	Pass			
	0	3.85	-7.224				-0.0106	-2.5 to 2.5	Pass			
	10	3.85	-8.855				-0.0130	-2.5 to 2.5	Pass			
	30	3.85	-9.470				-0.0139	-2.5 to 2.5	Pass			
	40	3.85	-13.018				-0.0191	-2.5 to 2.5	Pass			
	50	3.85	-5.136				-0.0075	-2.5 to 2.5	Pass			
	695.5	25	0				20	3.27	-9.842	-0.0142	-2.5 to 2.5	Pass
								3.85	-11.573	-0.0166	-2.5 to 2.5	Pass
								4.43	-6.237	-0.0090	-2.5 to 2.5	Pass
							-30	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0070	-2.5 to 2.5	Pass			
				-10	3.85	-5.021	-0.0072	-2.5 to 2.5	Pass			
				0	3.85	-9.384	-0.0135	-2.5 to 2.5	Pass			
				10	3.85	-8.254	-0.0119	-2.5 to 2.5	Pass			
30				3.85	-6.723	-0.0097	-2.5 to 2.5	Pass				
40				3.85	-7.439	-0.0107	-2.5 to 2.5	Pass				
50				3.85	-3.161	-0.0045	-2.5 to 2.5	Pass				
16QAM				665.5	25	0	20	3.27	-4.106	-0.0062	-2.5 to 2.5	Pass
								3.85	-3.176	-0.0048	-2.5 to 2.5	Pass
								4.43	-4.234	-0.0064	-2.5 to 2.5	Pass
							-30	3.85	-7.567	-0.0114	-2.5 to 2.5	Pass
	-20	3.85	-5.865				-0.0088	-2.5 to 2.5	Pass			
	-10	3.85	-10.486				-0.0158	-2.5 to 2.5	Pass			
	0	3.85	-6.495				-0.0098	-2.5 to 2.5	Pass			
	10	3.85	-5.279				-0.0079	-2.5 to 2.5	Pass			
	30	3.85	-5.307				-0.0080	-2.5 to 2.5	Pass			
	40	3.85	-3.405				-0.0051	-2.5 to 2.5	Pass			
	50	3.85	-7.696				-0.0116	-2.5 to 2.5	Pass			
	680.5	25	0				20	3.27	-9.913	-0.0146	-2.5 to 2.5	Pass
								3.85	-8.497	-0.0125	-2.5 to 2.5	Pass



					4.43	-5.479	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				-20	3.85	-7.625	-0.0112	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-8.898	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-5.250	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0100	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0088	-2.5 to 2.5	Pass
				695.5	25	0	20	3.27	-8.841
	3.85	-7.725	-0.0111					-2.5 to 2.5	Pass
	4.43	-6.495	-0.0093					-2.5 to 2.5	Pass
	-30	3.85	-7.167				-0.0103	-2.5 to 2.5	Pass
	-20	3.85	-12.217				-0.0176	-2.5 to 2.5	Pass
	-10	3.85	-5.236				-0.0075	-2.5 to 2.5	Pass
	0	3.85	-4.377				-0.0063	-2.5 to 2.5	Pass
	10	3.85	-5.665				-0.0081	-2.5 to 2.5	Pass
	30	3.85	-11.487				-0.0165	-2.5 to 2.5	Pass
	40	3.85	-4.635				-0.0067	-2.5 to 2.5	Pass
	50	3.85	-7.267	-0.0104	-2.5 to 2.5	Pass			

2.2 B71\_10MHz

2.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-2.975	-0.0045	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0085	-2.5 to 2.5	Pass
					4.43	-5.636	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-8.082	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-9.212	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0089	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass
	50	3.85	-7.195	-0.0108	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	-7.496	-0.0110	-2.5 to 2.5	Pass
					3.85	-5.808	-0.0085	-2.5 to 2.5	Pass
					4.43	-4.735	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-3.347	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-9.913	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0058	-2.5 to 2.5	Pass
40				3.85	-4.578	-0.0067	-2.5 to 2.5	Pass	
693	50	0	20	3.85	-9.613	-0.0141	-2.5 to 2.5	Pass	
				3.27	-7.195	-0.0104	-2.5 to 2.5	Pass	



					3.85	-7.925	-0.0114	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-10.557	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-7.868	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0108	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.419	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0097	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-5.922	-0.0089	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.782	-0.0116	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.439	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0141	-2.5 to 2.5	Pass
	50	3.85	-8.411	-0.0126	-2.5 to 2.5	Pass			
		20	3.27	-6.452	-0.0095	-2.5 to 2.5	Pass		
		3.85	-9.241	-0.0136	-2.5 to 2.5	Pass			
		4.43	-3.777	-0.0056	-2.5 to 2.5	Pass			
	-30	3.85	-9.012	-0.0132	-2.5 to 2.5	Pass			
	-20	3.85	-2.675	-0.0039	-2.5 to 2.5	Pass			
	-10	3.85	-3.676	-0.0054	-2.5 to 2.5	Pass			
	0	3.85	-5.107	-0.0075	-2.5 to 2.5	Pass			
	10	3.85	-5.050	-0.0074	-2.5 to 2.5	Pass			
	30	3.85	-3.934	-0.0058	-2.5 to 2.5	Pass			
40	3.85	-4.807	-0.0071	-2.5 to 2.5	Pass				
50	3.85	-11.988	-0.0176	-2.5 to 2.5	Pass				
	693	50	0	20	3.27	-8.655	-0.0125	-2.5 to 2.5	Pass
				3.85	-8.941	-0.0129	-2.5 to 2.5	Pass	
				4.43	-7.353	-0.0106	-2.5 to 2.5	Pass	
-30				3.85	-8.655	-0.0125	-2.5 to 2.5	Pass	
-20				3.85	-12.074	-0.0174	-2.5 to 2.5	Pass	
-10				3.85	-6.981	-0.0101	-2.5 to 2.5	Pass	
0				3.85	-9.184	-0.0133	-2.5 to 2.5	Pass	
10				3.85	-7.439	-0.0107	-2.5 to 2.5	Pass	
30				3.85	-6.423	-0.0093	-2.5 to 2.5	Pass	
40				3.85	-7.410	-0.0107	-2.5 to 2.5	Pass	
50	3.85	-7.281	-0.0105	-2.5 to 2.5	Pass				

## 2.3 B71\_15MHz

### 2.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	



QPSK	670.5	75	0	20	3.27	-9.785	-0.0146	-2.5 to 2.5	Pass	
					3.85	-8.154	-0.0122	-2.5 to 2.5	Pass	
					4.43	-7.339	-0.0109	-2.5 to 2.5	Pass	
				-30	3.85	-11.344	-0.0169	-2.5 to 2.5	Pass	
					-20	3.85	-5.164	-0.0077	-2.5 to 2.5	Pass
						3.85	-4.435	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-11.745	-0.0175	-2.5 to 2.5	Pass	
					3.85	-3.390	-0.0051	-2.5 to 2.5	Pass	
				30	3.85	-8.283	-0.0124	-2.5 to 2.5	Pass	
	40	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass				
	50	3.85	-4.706	-0.0070	-2.5 to 2.5	Pass				
	680.5	75	0	20	3.27	-7.424	-0.0109	-2.5 to 2.5	Pass	
					3.85	-3.161	-0.0046	-2.5 to 2.5	Pass	
					4.43	-4.849	-0.0071	-2.5 to 2.5	Pass	
				-30	3.85	-8.841	-0.0130	-2.5 to 2.5	Pass	
					-20	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
						3.85	-7.095	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0107	-2.5 to 2.5	Pass	
					3.85	-8.955	-0.0132	-2.5 to 2.5	Pass	
				30	3.85	-8.683	-0.0128	-2.5 to 2.5	Pass	
	40	3.85	-2.904	-0.0043	-2.5 to 2.5	Pass				
	50	3.85	-4.563	-0.0067	-2.5 to 2.5	Pass				
	690.5	75	0	20	3.27	-6.924	-0.0100	-2.5 to 2.5	Pass	
					3.85	-6.824	-0.0099	-2.5 to 2.5	Pass	
					4.43	-4.249	-0.0062	-2.5 to 2.5	Pass	
				-30	3.85	-2.747	-0.0040	-2.5 to 2.5	Pass	
					-20	3.85	-3.791	-0.0055	-2.5 to 2.5	Pass
3.85						-5.221	-0.0076	-2.5 to 2.5	Pass	
0				3.85	-6.766	-0.0098	-2.5 to 2.5	Pass		
				3.85	-5.937	-0.0086	-2.5 to 2.5	Pass		
30				3.85	-4.635	-0.0067	-2.5 to 2.5	Pass		
40	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass					
50	3.85	-8.640	-0.0125	-2.5 to 2.5	Pass					
16QAM	670.5	75	0	20	3.27	-8.669	-0.0129	-2.5 to 2.5	Pass	
					3.85	-6.952	-0.0104	-2.5 to 2.5	Pass	
					4.43	-7.925	-0.0118	-2.5 to 2.5	Pass	
				-30	3.85	-4.206	-0.0063	-2.5 to 2.5	Pass	
					-20	3.85	-5.965	-0.0089	-2.5 to 2.5	Pass
						3.85	-8.998	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-9.141	-0.0136	-2.5 to 2.5	Pass	
					3.85	-5.322	-0.0079	-2.5 to 2.5	Pass	
				30	3.85	-4.749	-0.0071	-2.5 to 2.5	Pass	
	40	3.85	-5.794	-0.0086	-2.5 to 2.5	Pass				
	50	3.85	-6.208	-0.0093	-2.5 to 2.5	Pass				
	680.5	75	0	20	3.27	-3.905	-0.0057	-2.5 to 2.5	Pass	
					3.85	-4.950	-0.0073	-2.5 to 2.5	Pass	
					4.43	-5.765	-0.0085	-2.5 to 2.5	Pass	
				-30	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass	
					-20	3.85	-7.424	-0.0109	-2.5 to 2.5	Pass
						3.85	-8.097	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-6.509	-0.0096	-2.5 to 2.5	Pass	
					3.85	-5.193	-0.0076	-2.5 to 2.5	Pass	
				30	3.85	-8.368	-0.0123	-2.5 to 2.5	Pass	





	690.5	75	0	40	3.85	-6.723	-0.0099	-2.5 to 2.5	Pass
				50	3.85	-5.765	-0.0085	-2.5 to 2.5	Pass
				20	3.27	-9.370	-0.0136	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0075	-2.5 to 2.5	Pass
					4.43	-2.961	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-5.593	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.834	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0102	-2.5 to 2.5	Pass

2.4 B71\_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	-7.067	-0.0105	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0094	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-9.413	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	-7.496	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-9.942	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-5.507	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-8.011	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0079	-2.5 to 2.5	Pass
				683	100	0	20	3.27	-5.150
	3.85	-7.210	-0.0106					-2.5 to 2.5	Pass
	4.43	-8.955	-0.0131					-2.5 to 2.5	Pass
	-30	3.85	-7.796				-0.0114	-2.5 to 2.5	Pass
	-20	3.85	-5.050				-0.0074	-2.5 to 2.5	Pass
	-10	3.85	-9.212				-0.0135	-2.5 to 2.5	Pass
	0	3.85	-9.842				-0.0144	-2.5 to 2.5	Pass
	10	3.85	-9.284				-0.0136	-2.5 to 2.5	Pass
	30	3.85	-3.519				-0.0052	-2.5 to 2.5	Pass
	40	3.85	-7.081				-0.0104	-2.5 to 2.5	Pass
	50	3.85	-7.639				-0.0112	-2.5 to 2.5	Pass
	688	100	0				20	3.27	-6.108
				3.85	-9.770	-0.0142		-2.5 to 2.5	Pass
				4.43	-9.084	-0.0132		-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-9.155	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-9.270	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0075	-2.5 to 2.5	Pass



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

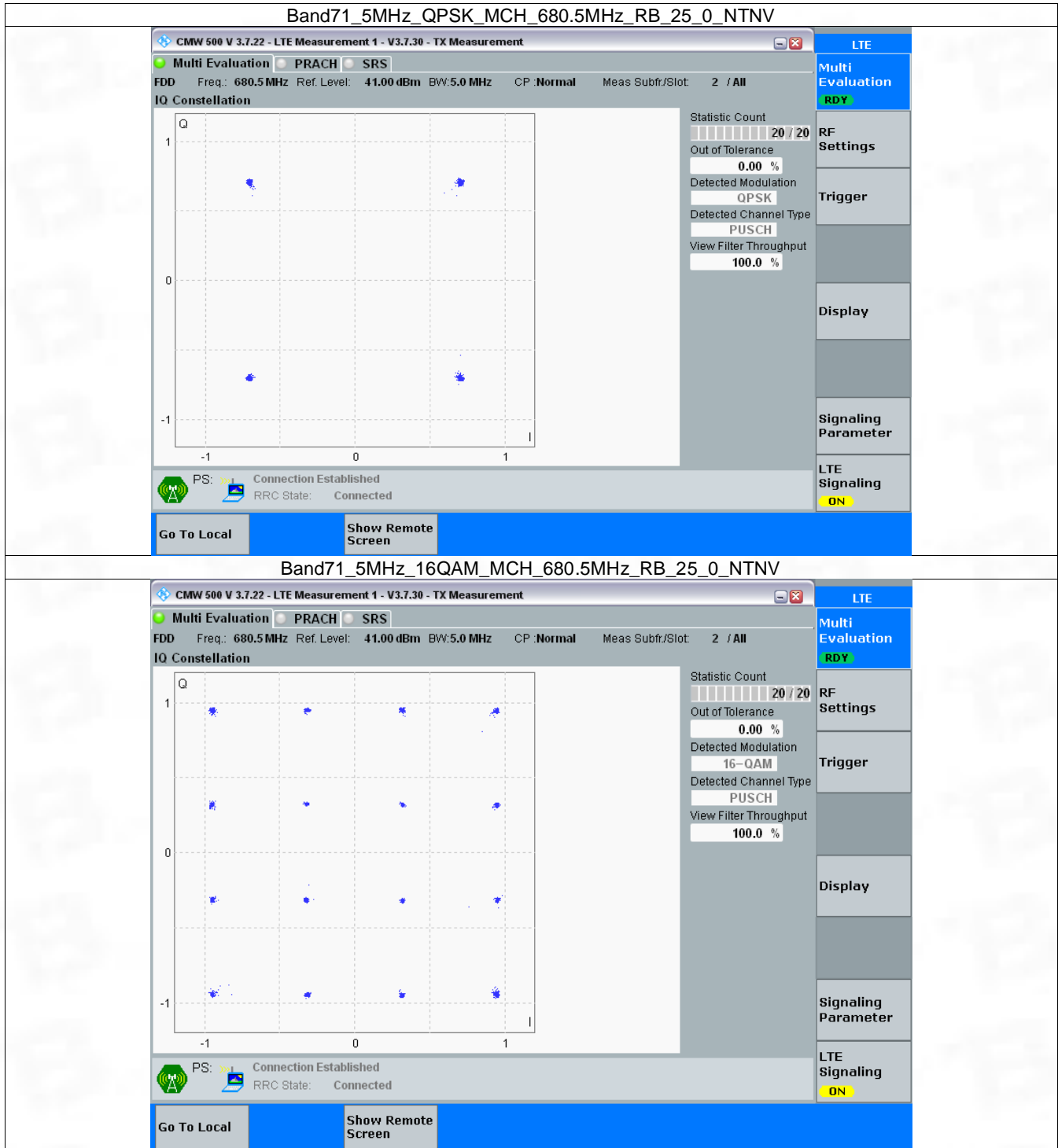
### 3. Modulation Characteristics

#### 3.1 B71\_5MHz

##### 3.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTN						
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



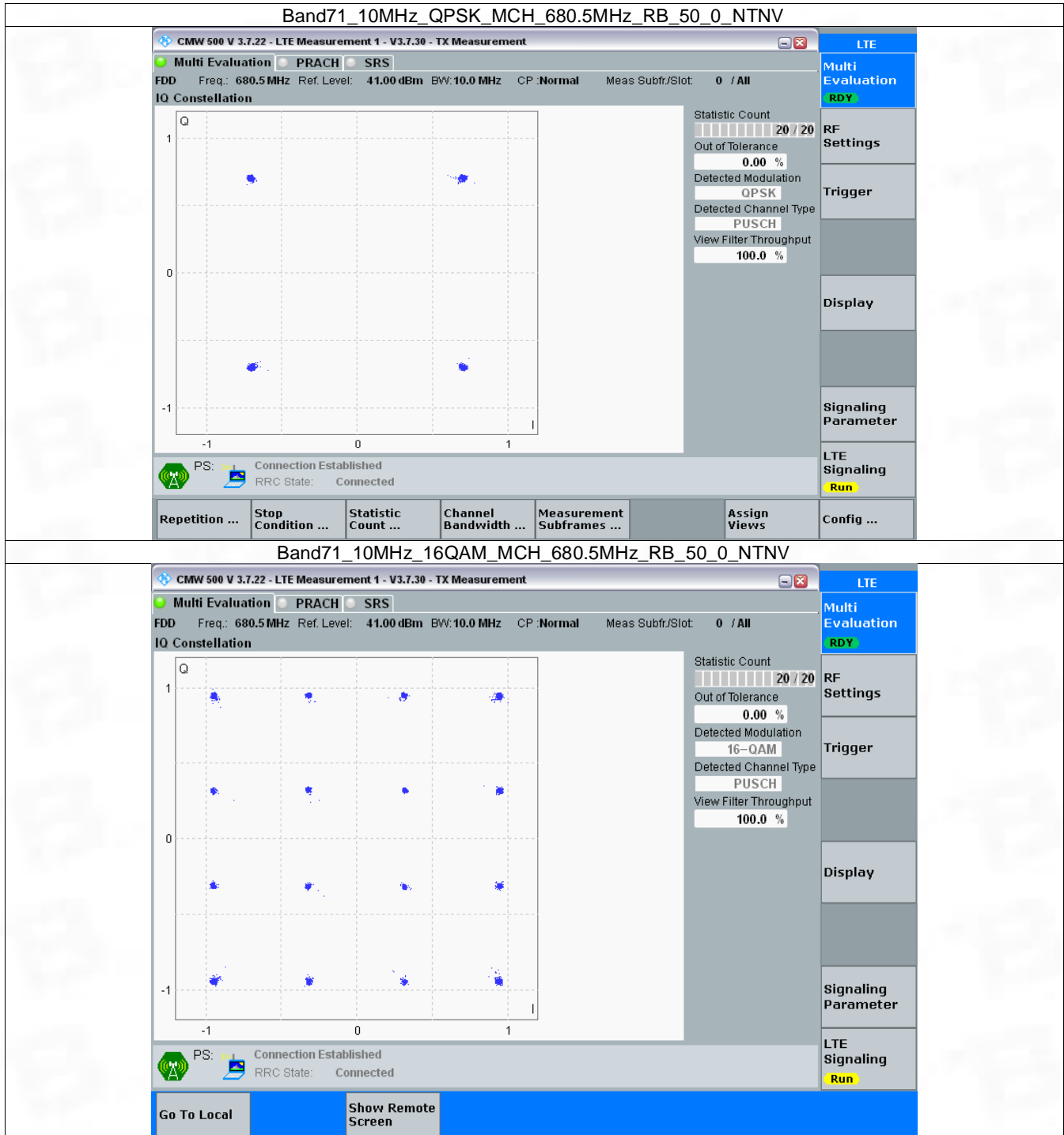


### 3.2 B71\_10MHz

#### 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



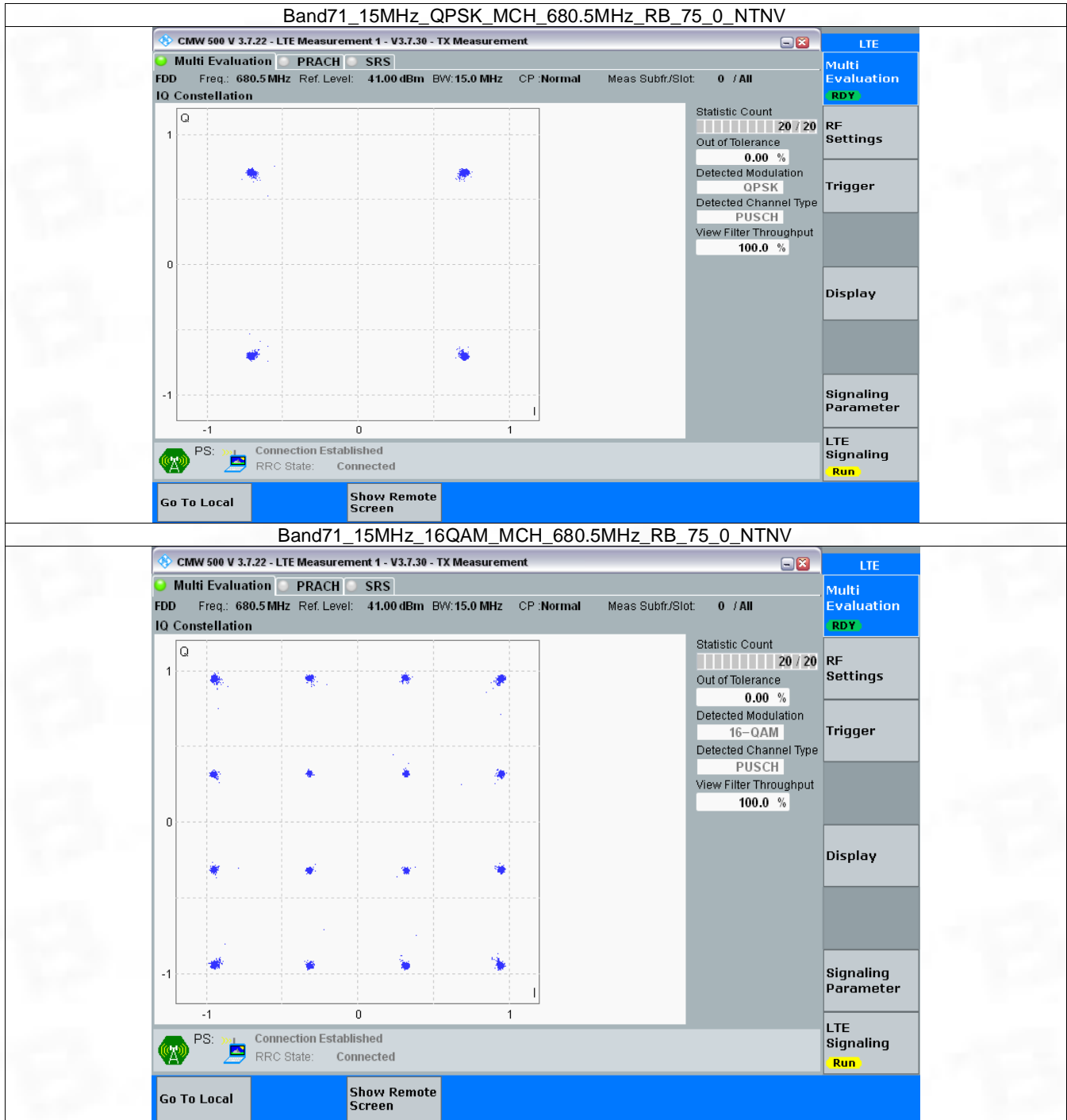
### 3.3 B71\_15MHz



### 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





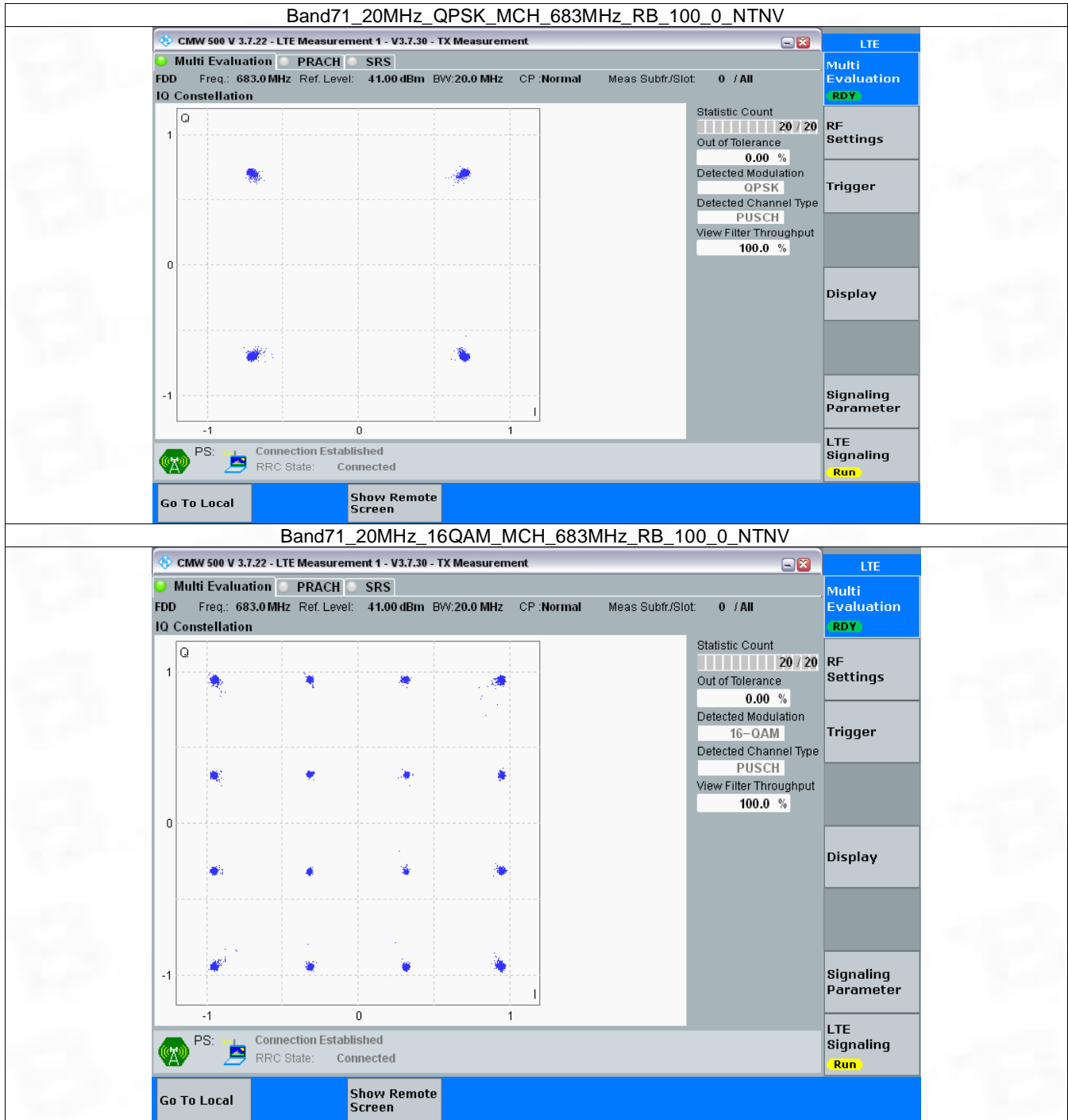
3.4 B71\_20MHz

3.4.1 Test Result

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



### 3.4.2 Test Graph





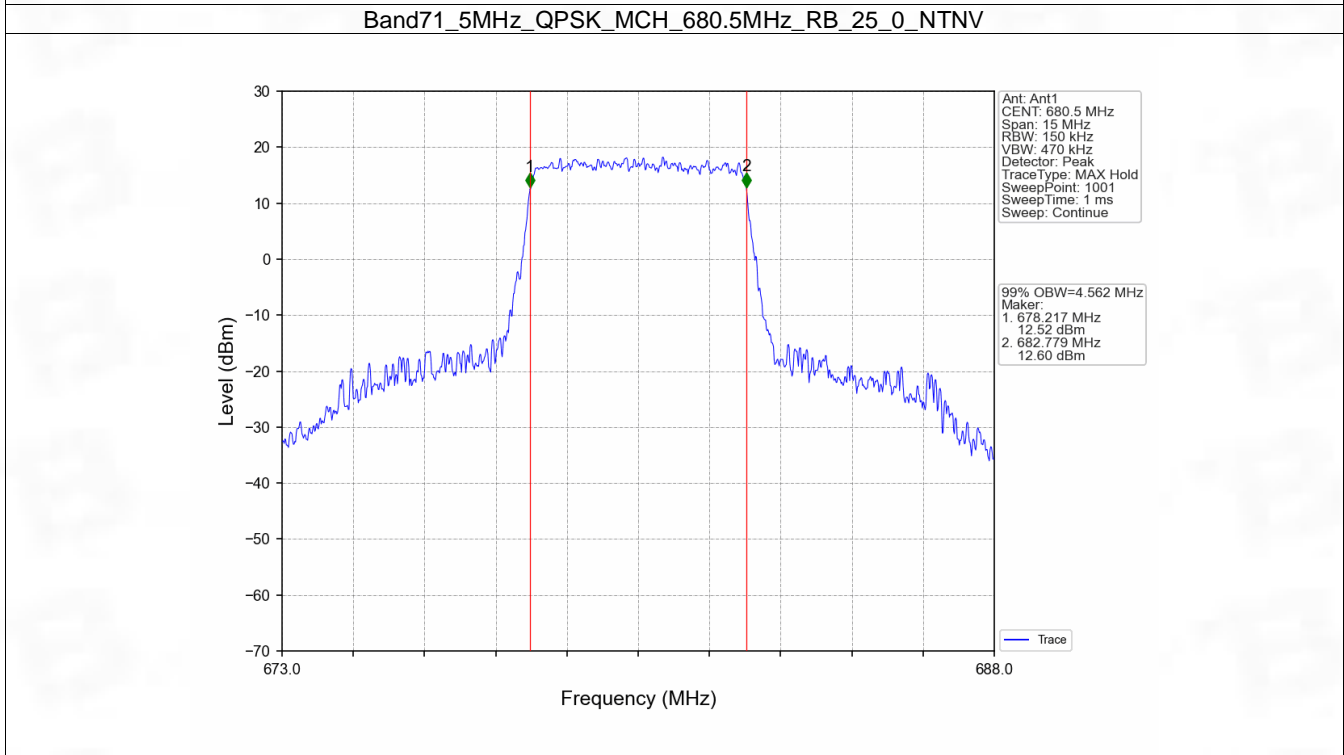
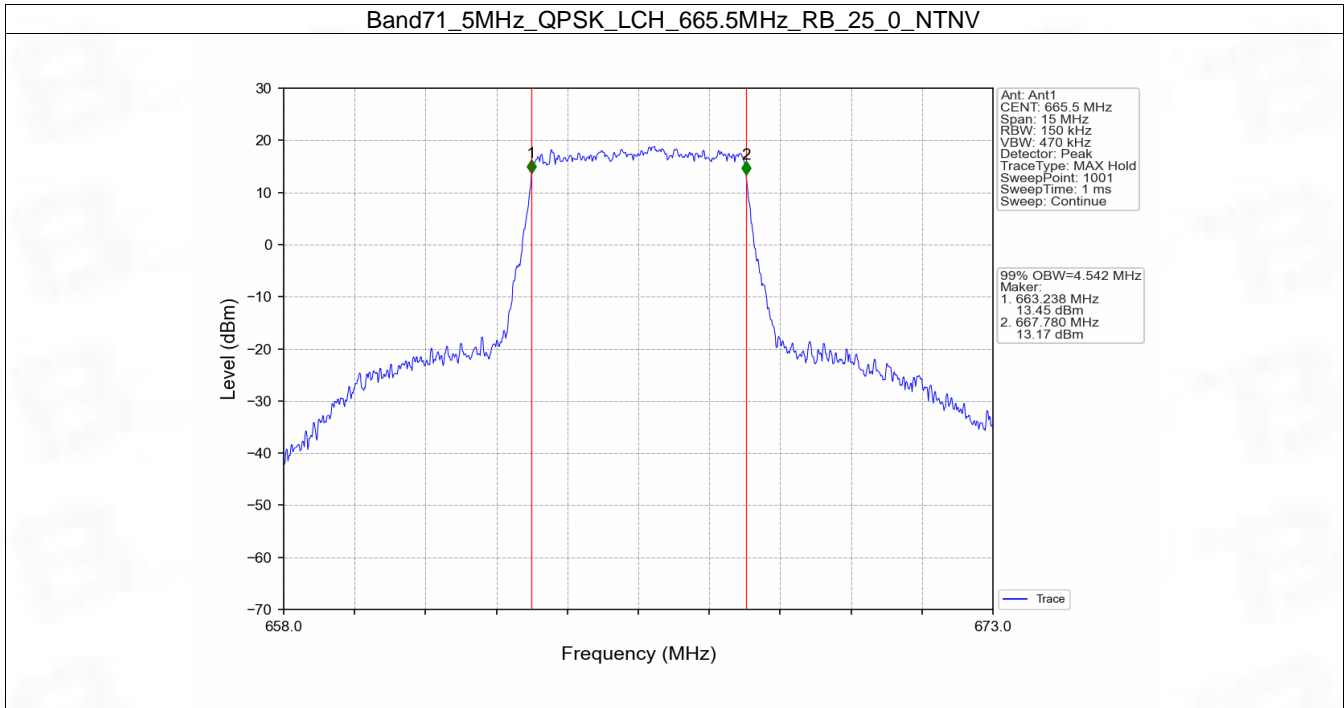
4. 99% & 26dB Bandwidth

4.1 Band71\_OBW

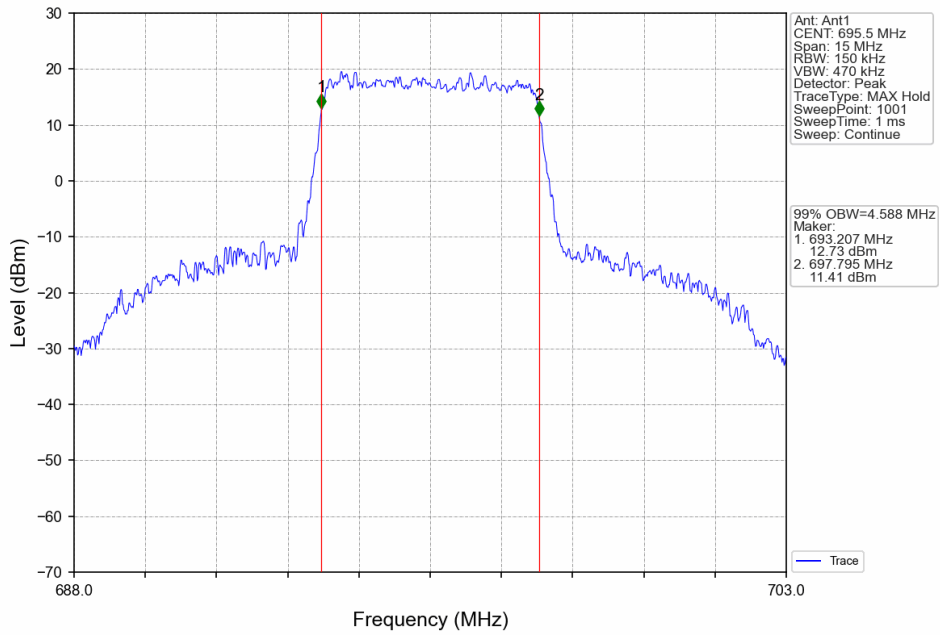
4.1.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.542	Pass
		680.5	25	0	4.562	Pass
		695.5	25	0	4.588	Pass
	16QAM	665.5	25	0	4.562	Pass
		680.5	25	0	4.588	Pass
		695.5	25	0	4.572	Pass
10	QPSK	668	50	0	9.084	Pass
		680.5	50	0	9.075	Pass
		693	50	0	9.053	Pass
	16QAM	668	50	0	9.026	Pass
		680.5	50	0	9.074	Pass
		693	50	0	9.049	Pass
15	QPSK	670.5	75	0	13.615	Pass
		680.5	75	0	13.565	Pass
		690.5	75	0	13.628	Pass
	16QAM	670.5	75	0	13.627	Pass
		680.5	75	0	13.531	Pass
		690.5	75	0	13.619	Pass
20	QPSK	673	100	0	18.117	Pass
		683	100	0	18.120	Pass
		688	100	0	18.160	Pass
	16QAM	673	100	0	18.143	Pass
		683	100	0	18.131	Pass
		688	100	0	18.179	Pass

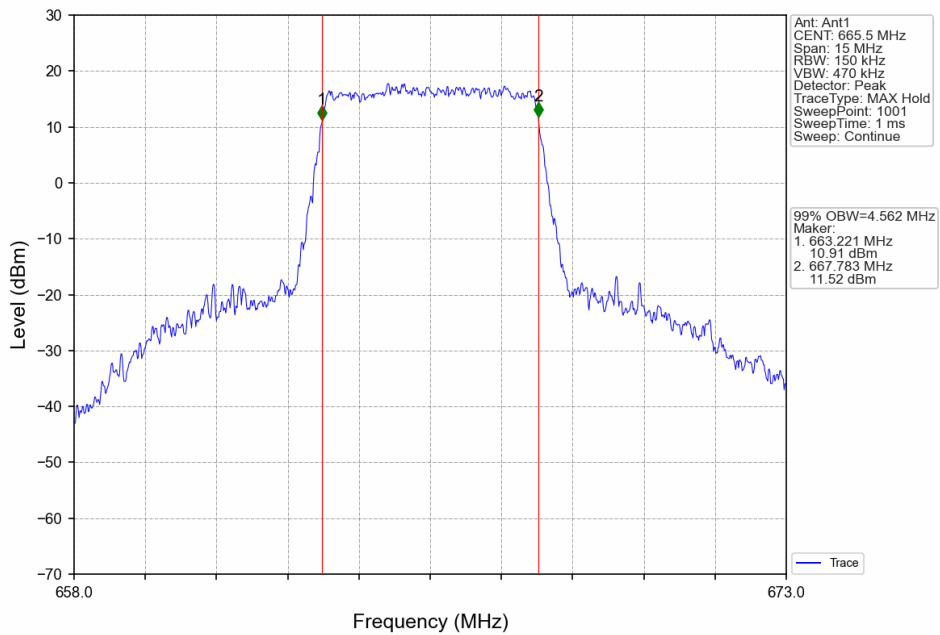
4.1.2 Test Graph



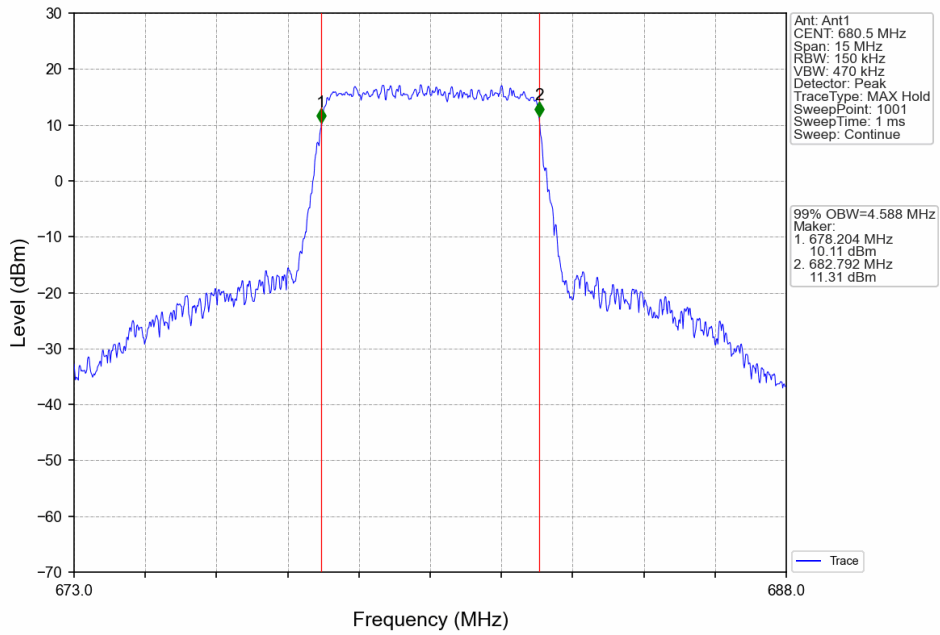
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



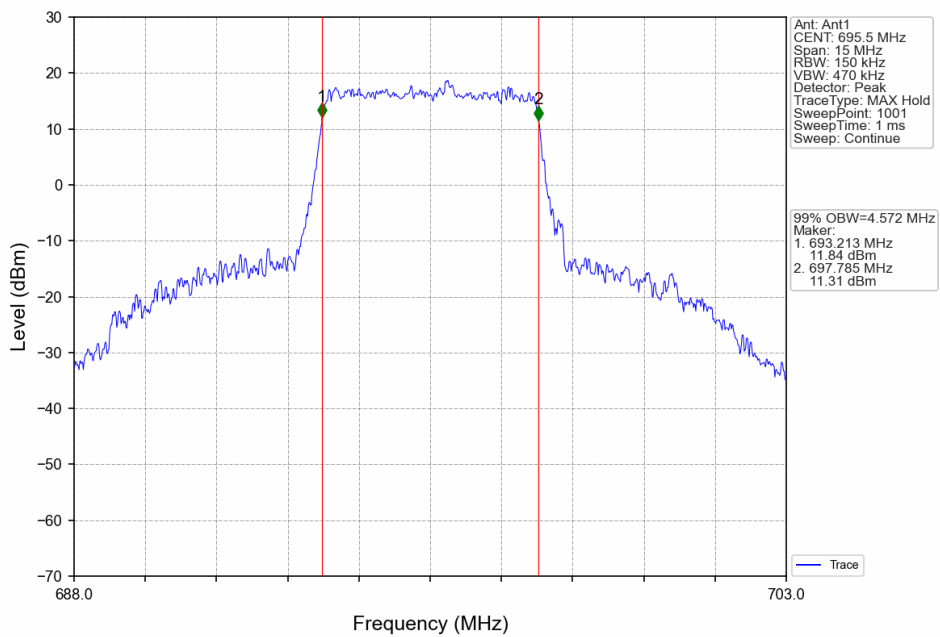
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



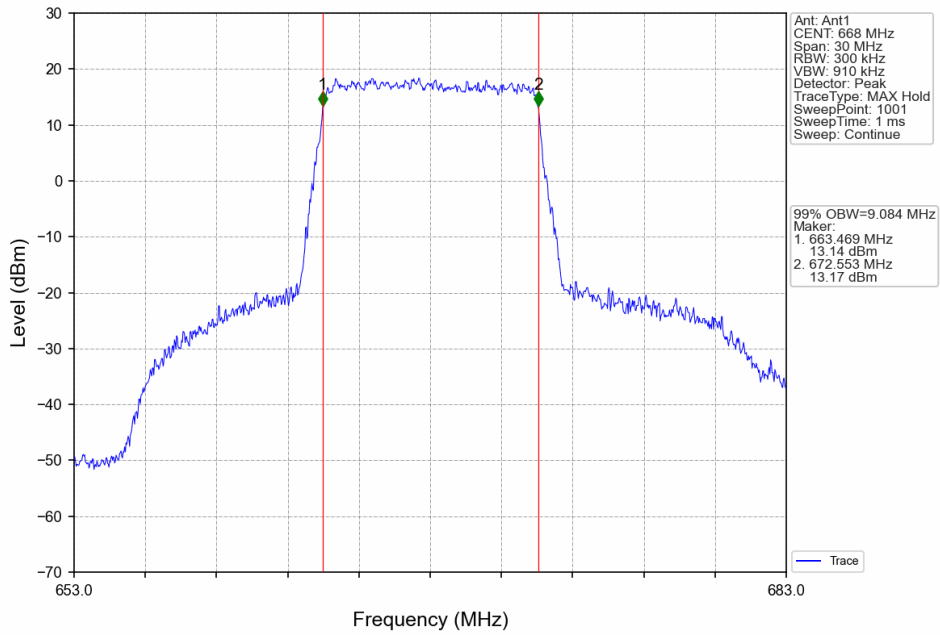
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



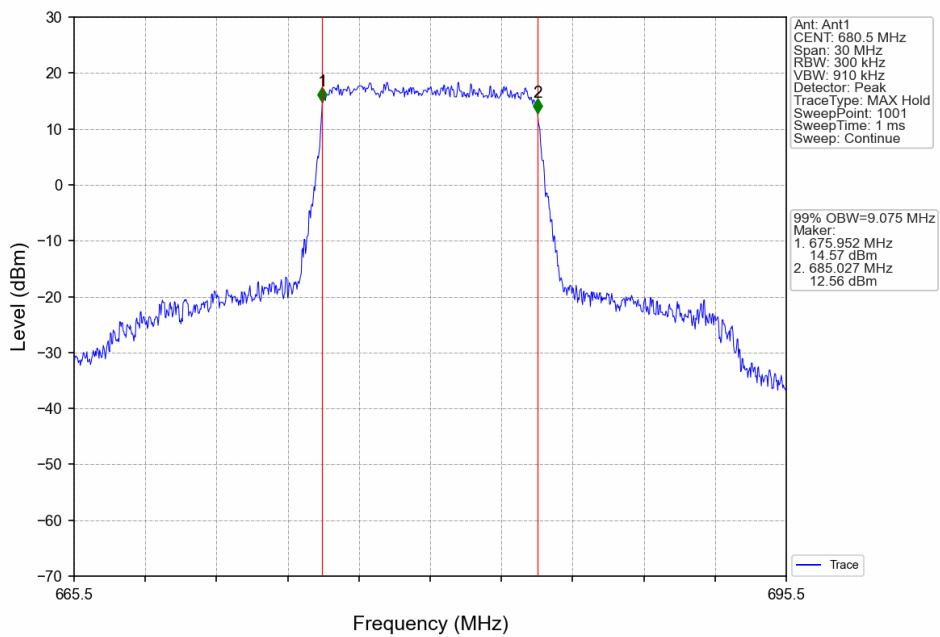
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



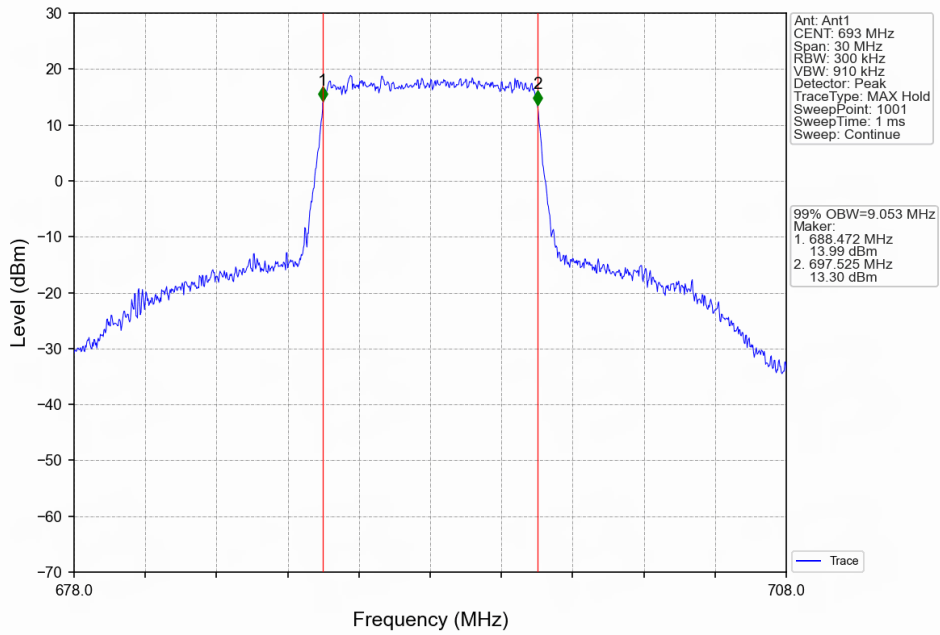
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



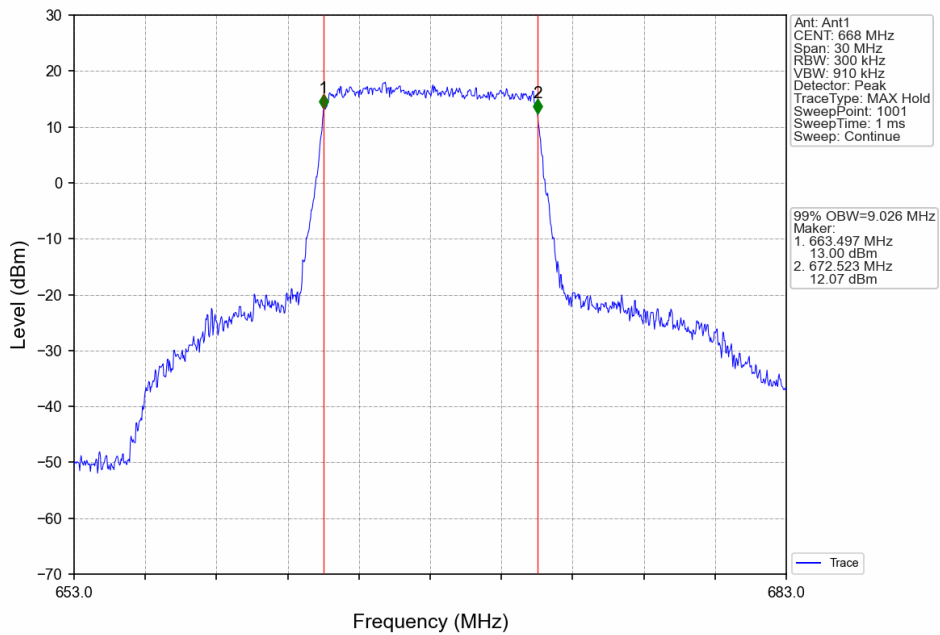
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



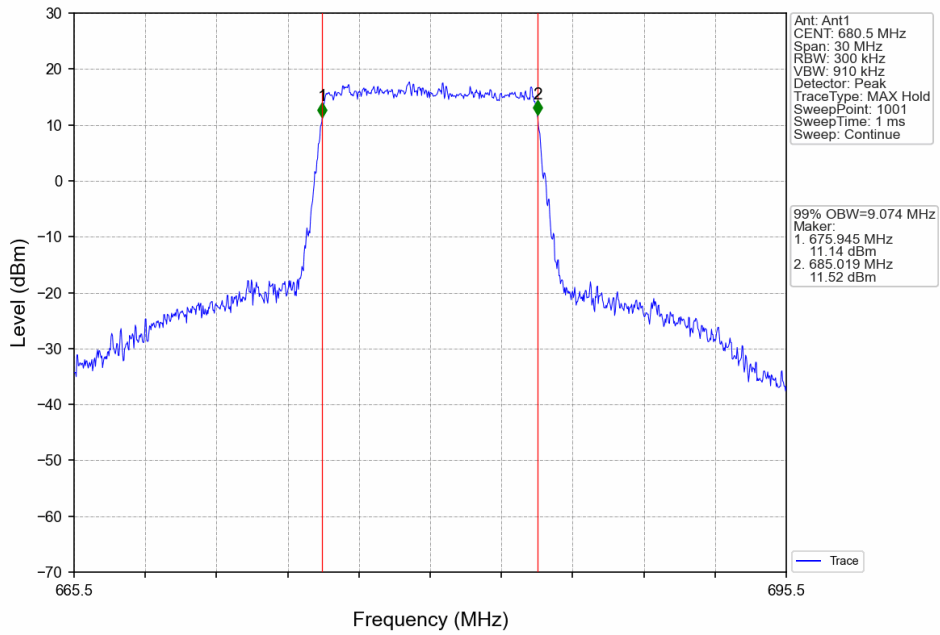
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



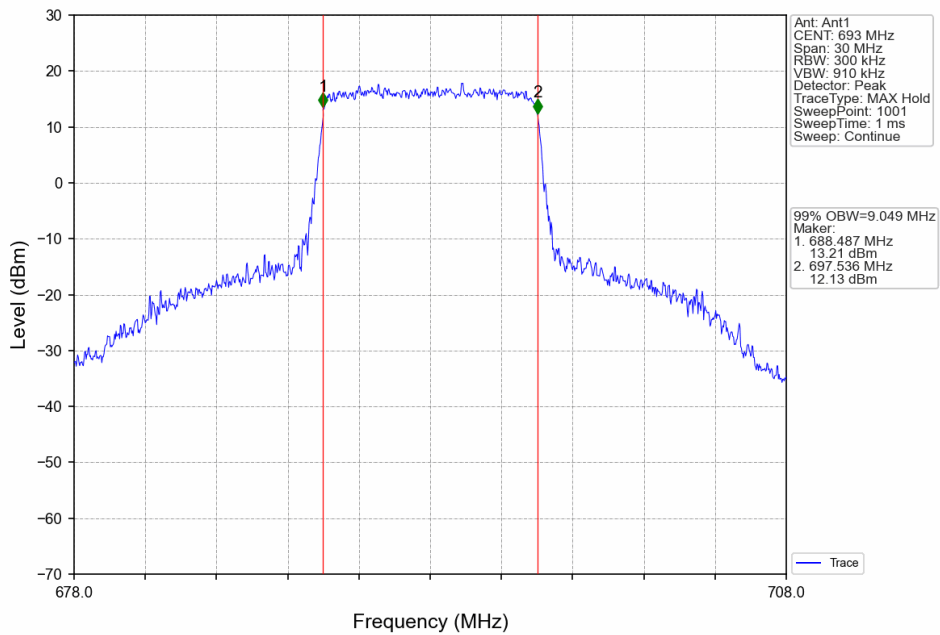
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV

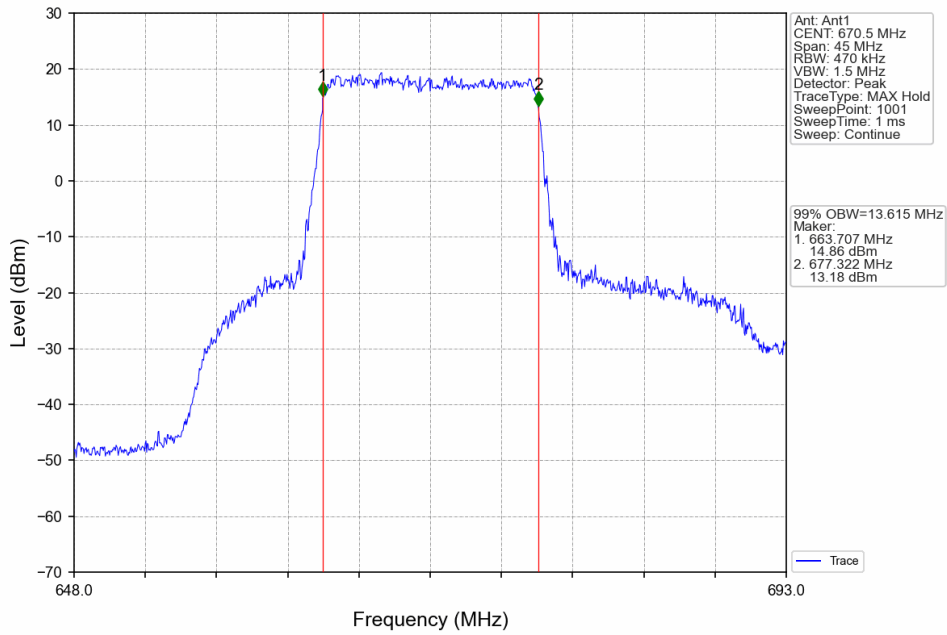


Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV

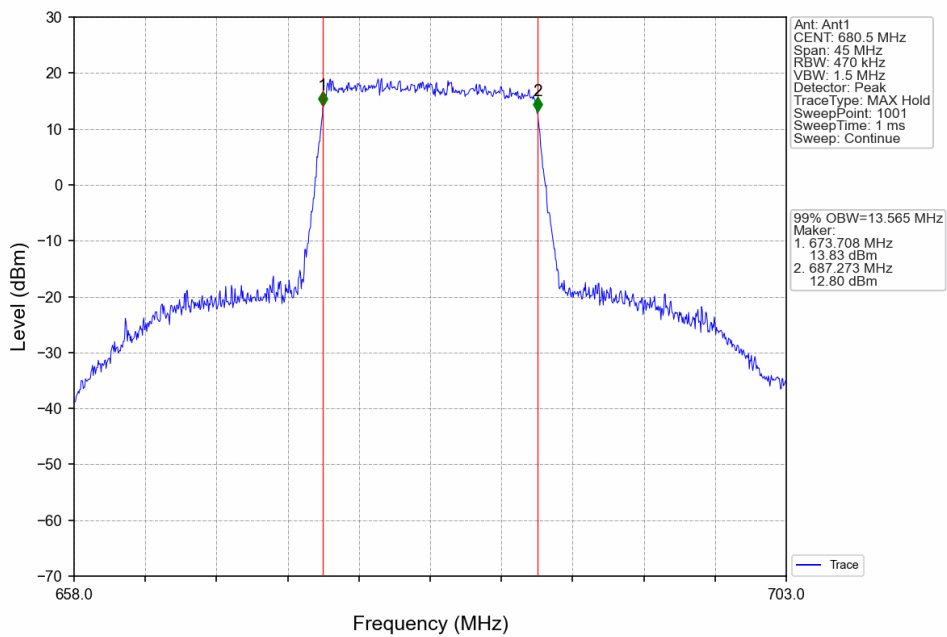




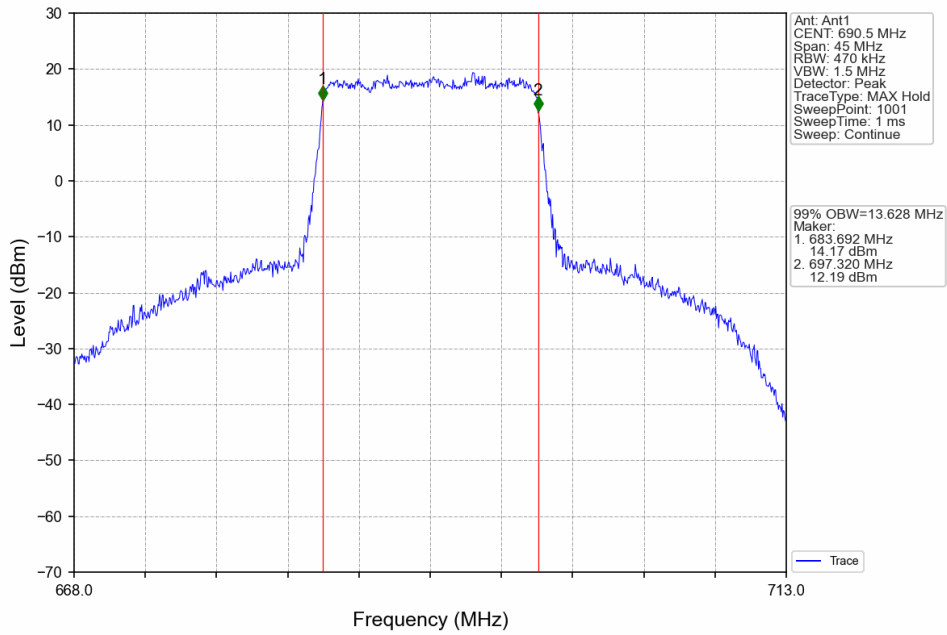
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



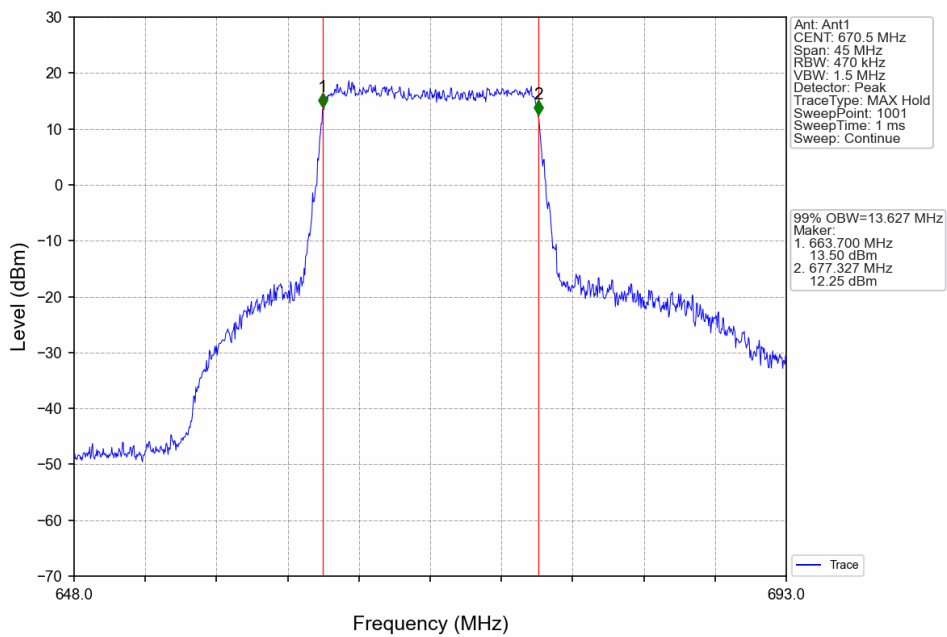
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



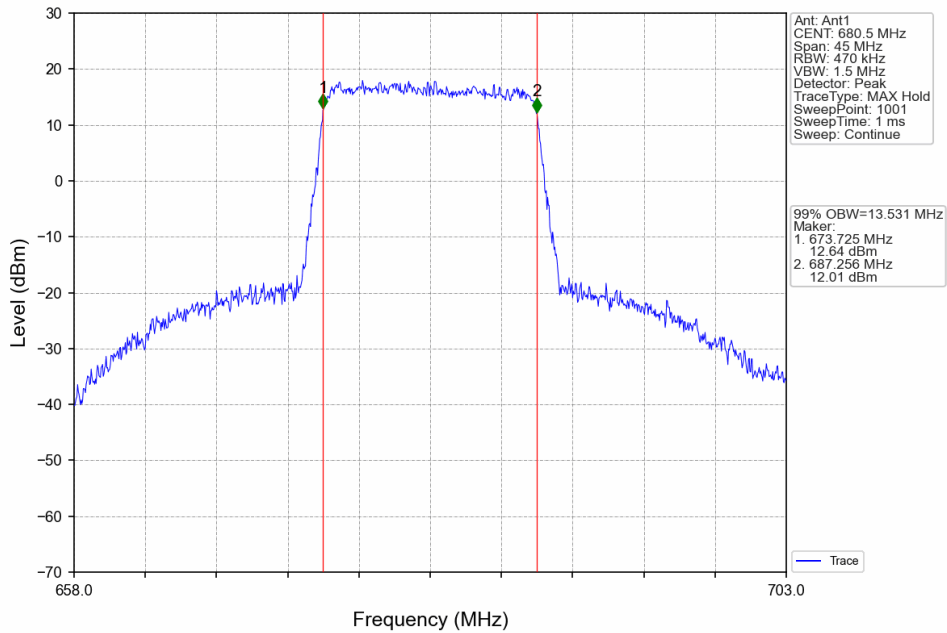
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



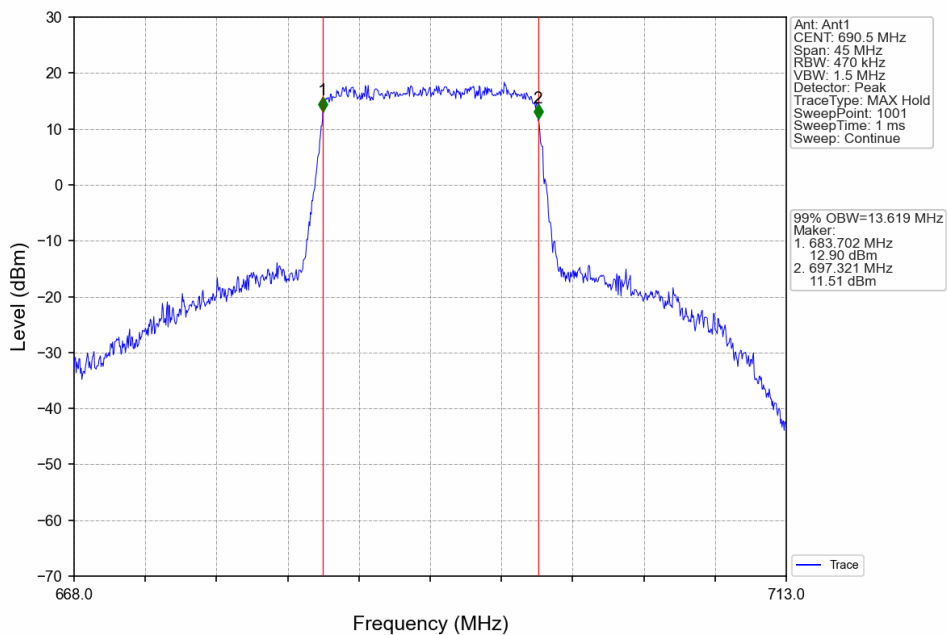
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



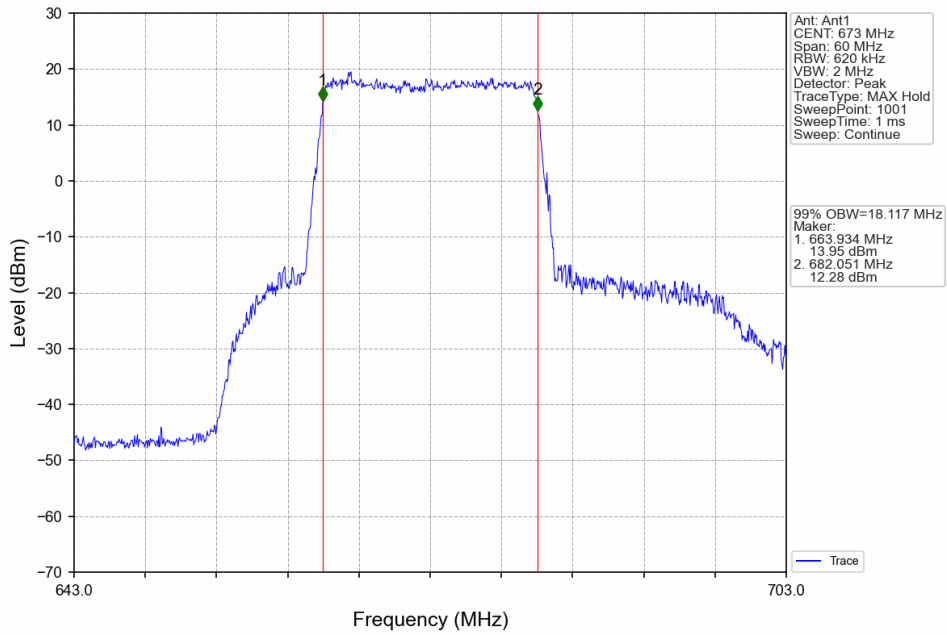
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



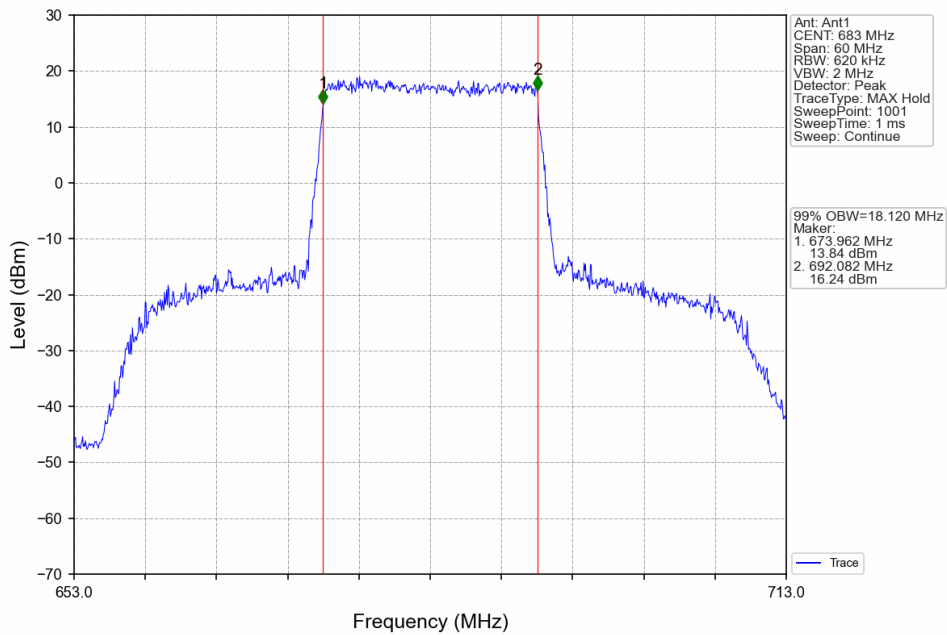
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



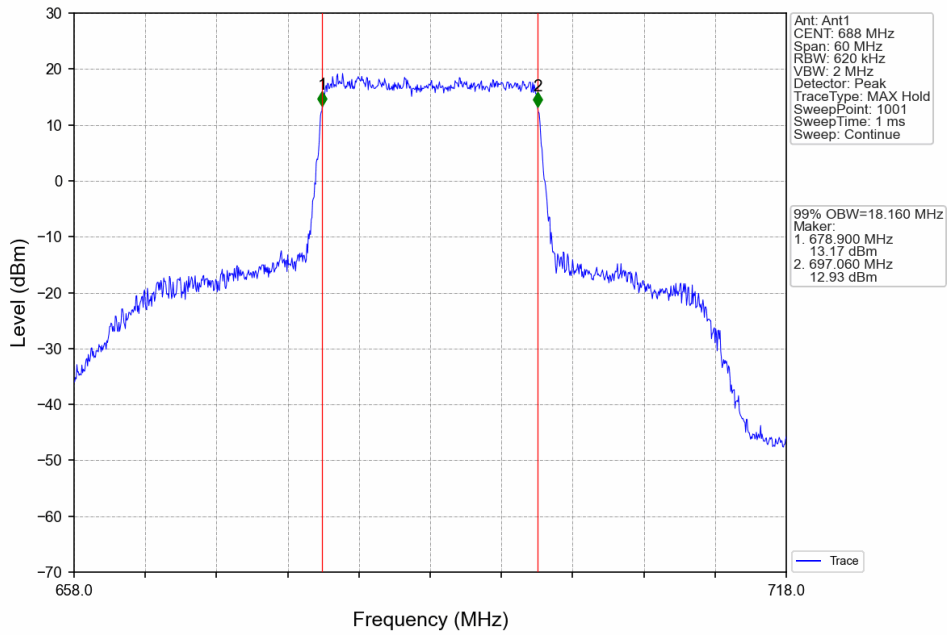
Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



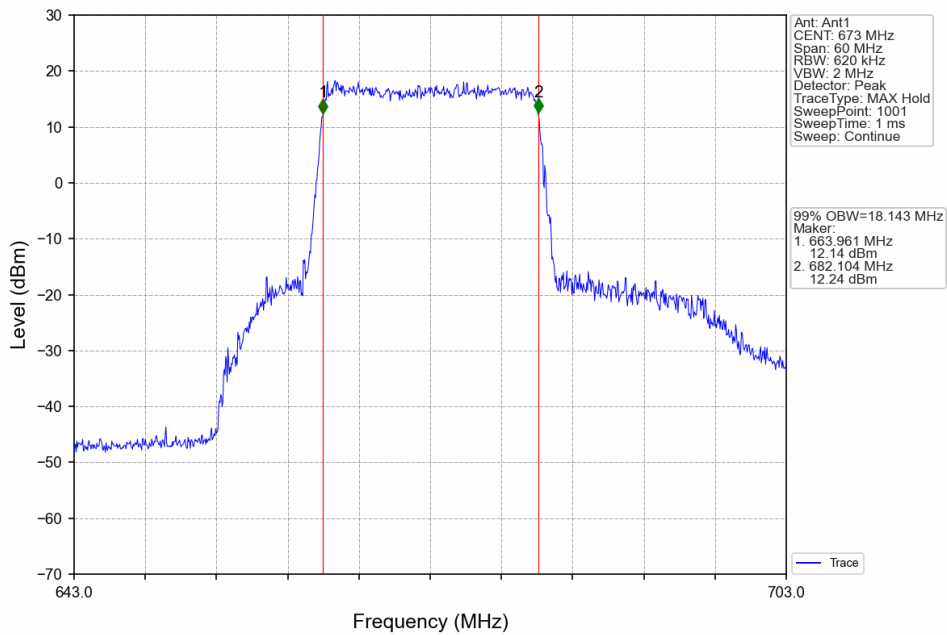
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



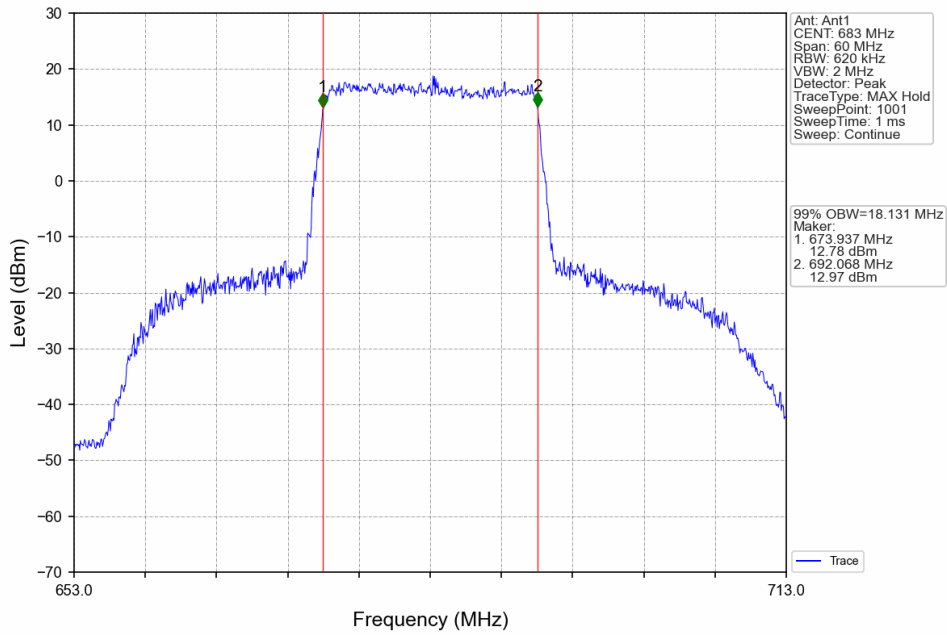
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



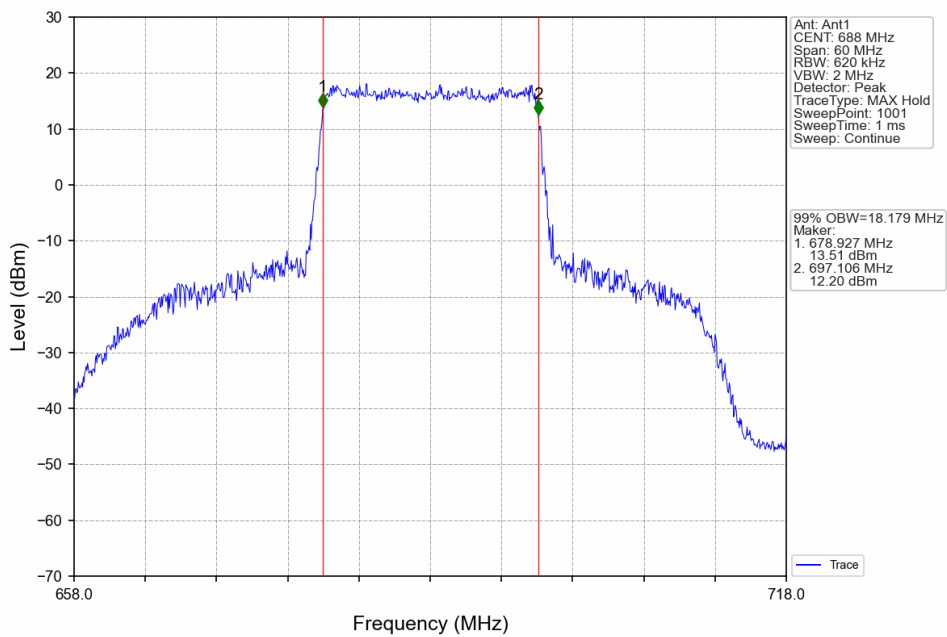
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV



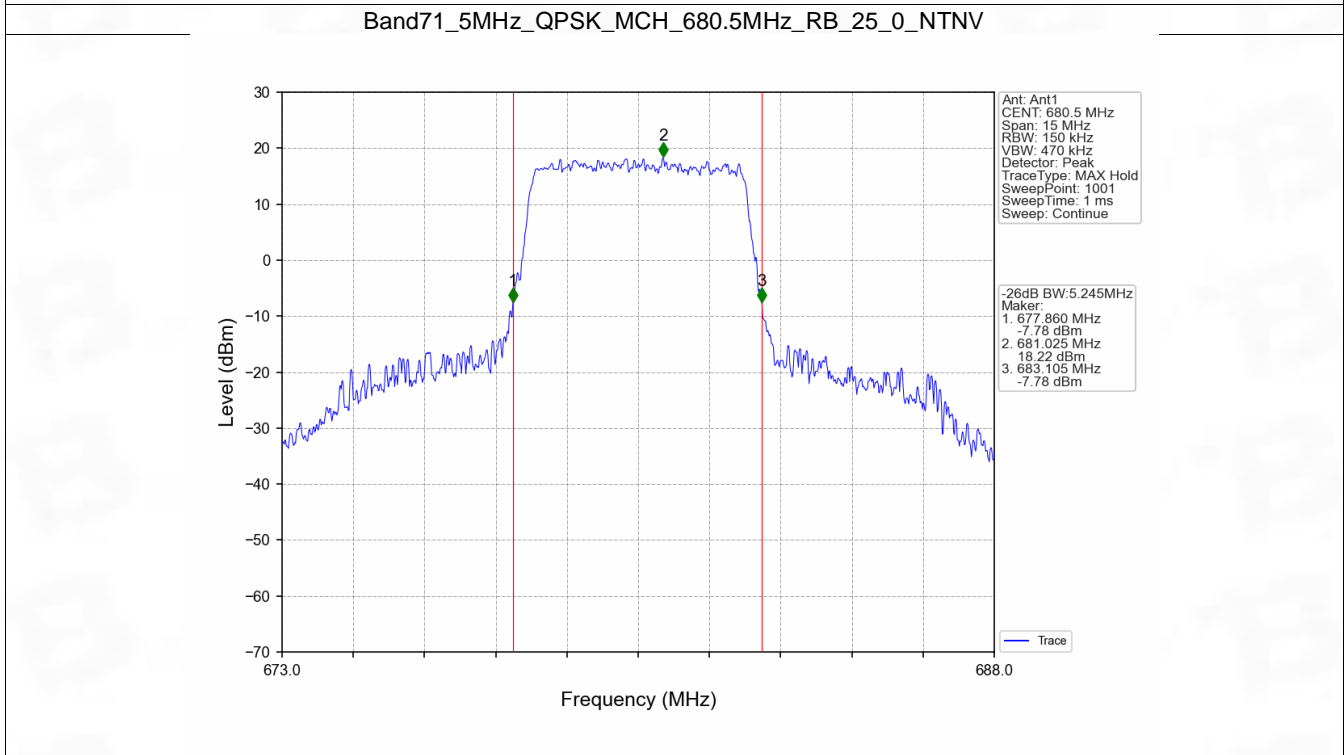
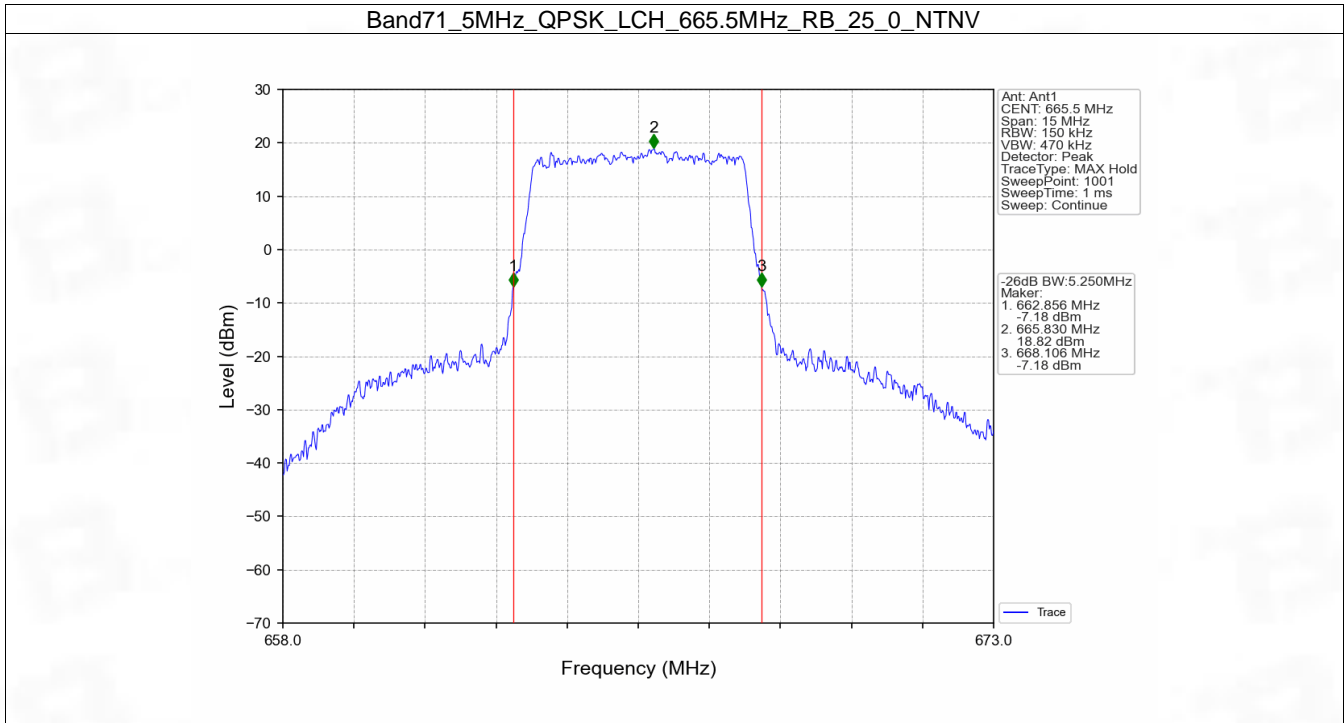


4.2 Band71\_XDB

4.2.1 Test Result

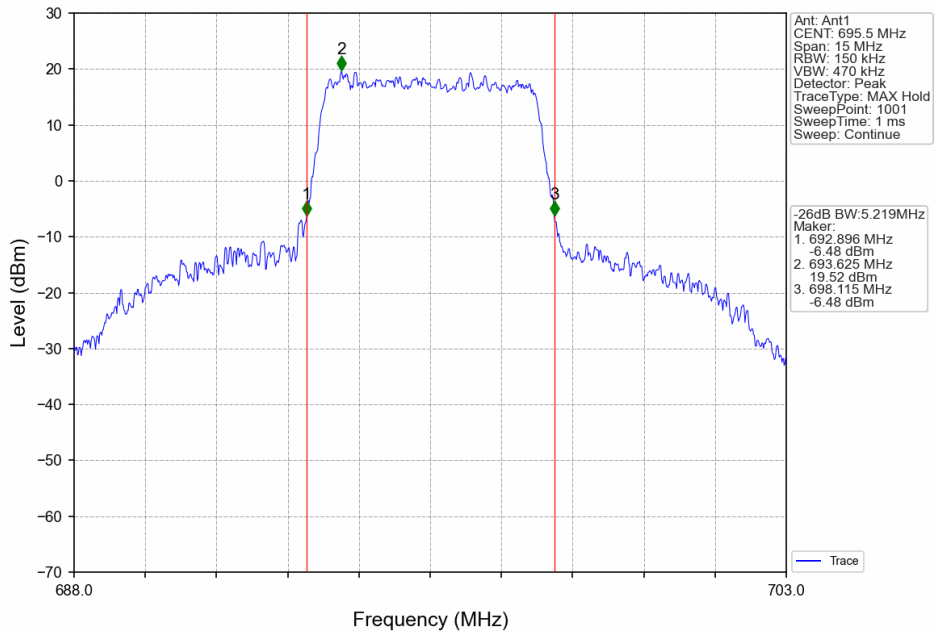
Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.250	Pass
		680.5	25	0	5.245	Pass
		695.5	25	0	5.219	Pass
	16QAM	665.5	25	0	5.268	Pass
		680.5	25	0	5.271	Pass
		695.5	25	0	5.408	Pass
10	QPSK	668	50	0	10.341	Pass
		680.5	50	0	10.272	Pass
		693	50	0	10.154	Pass
	16QAM	668	50	0	10.199	Pass
		680.5	50	0	10.132	Pass
		693	50	0	10.242	Pass
15	QPSK	670.5	75	0	15.208	Pass
		680.5	75	0	15.170	Pass
		690.5	75	0	15.426	Pass
	16QAM	670.5	75	0	15.186	Pass
		680.5	75	0	15.216	Pass
		690.5	75	0	15.321	Pass
20	QPSK	673	100	0	20.188	Pass
		683	100	0	20.198	Pass
		688	100	0	20.078	Pass
	16QAM	673	100	0	20.070	Pass
		683	100	0	20.010	Pass
		688	100	0	20.433	Pass

4.2.2 Test Graph

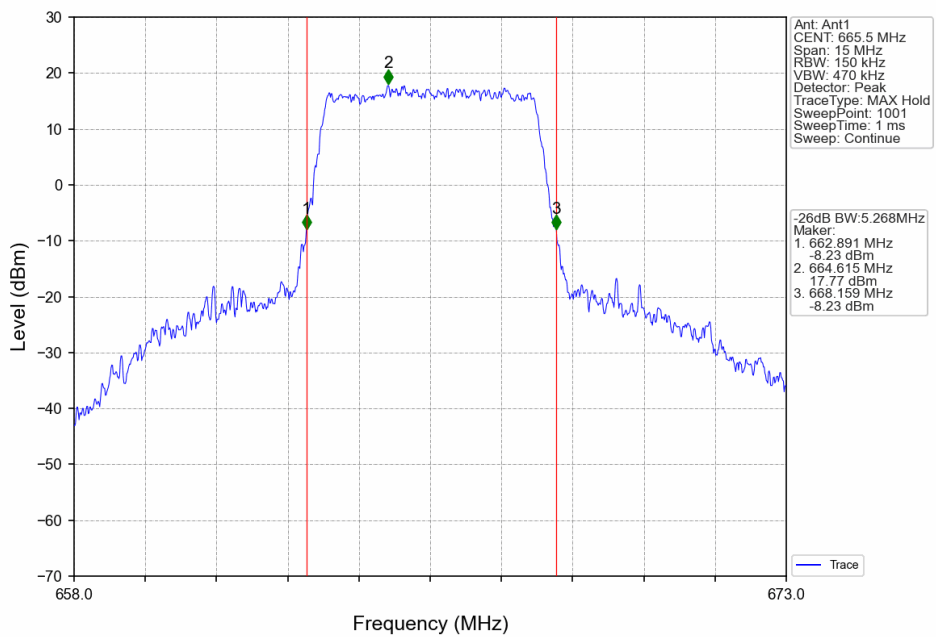




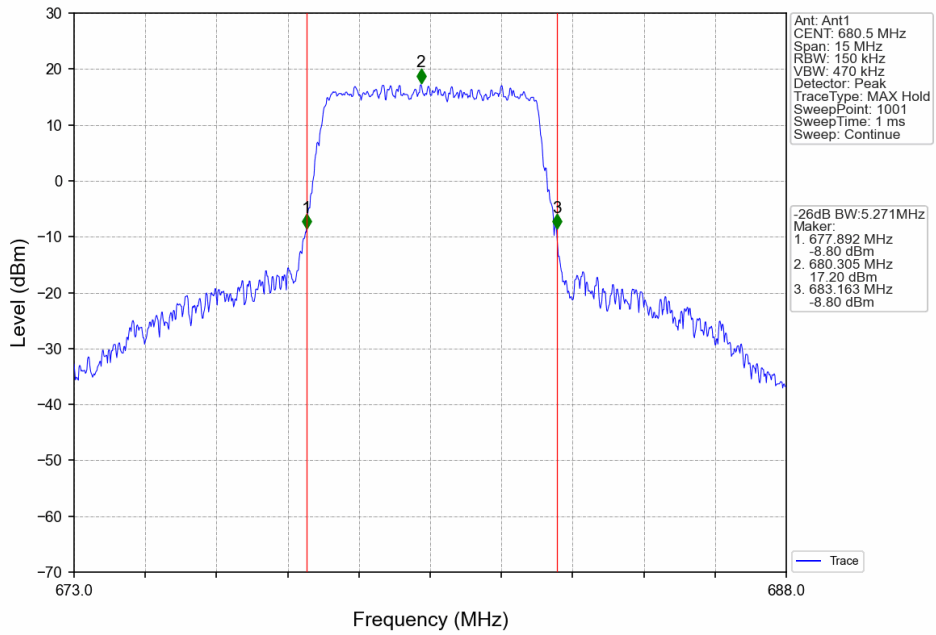
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



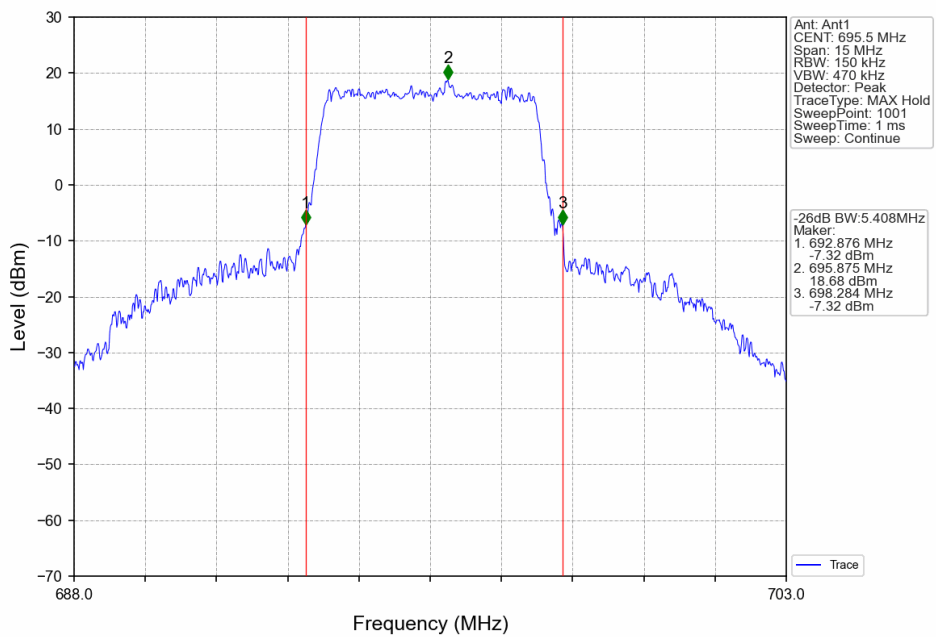
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



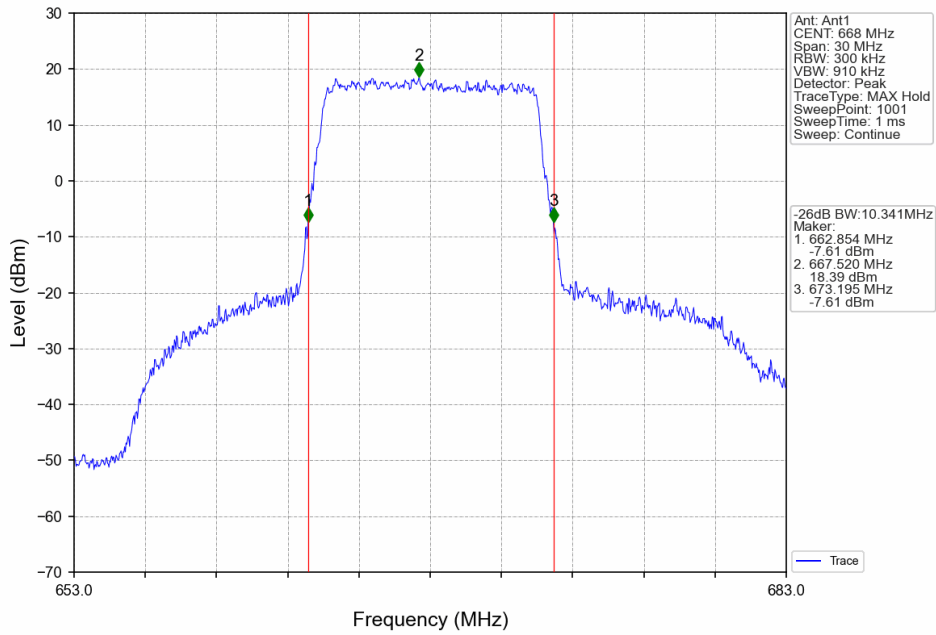
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



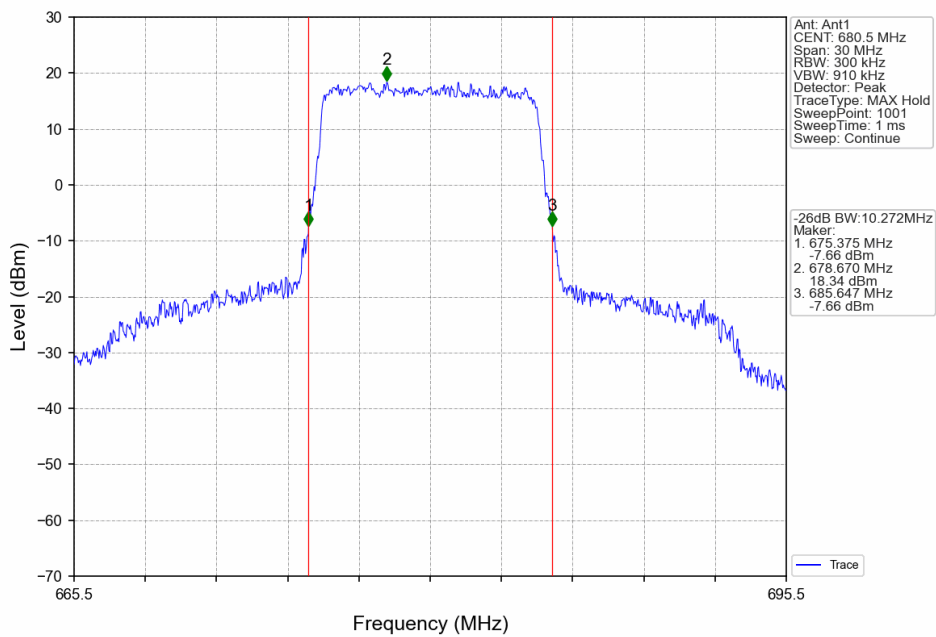
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



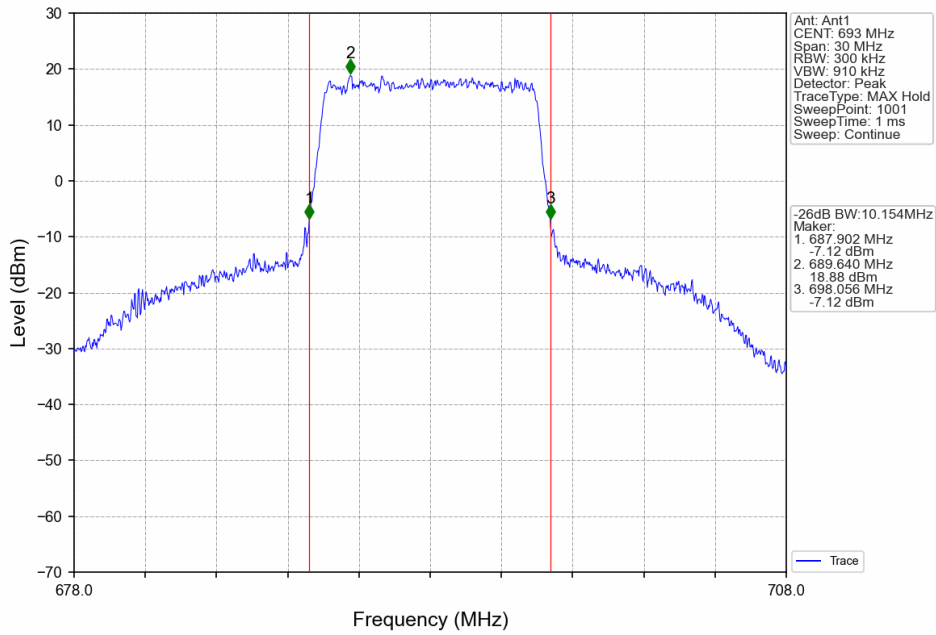
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



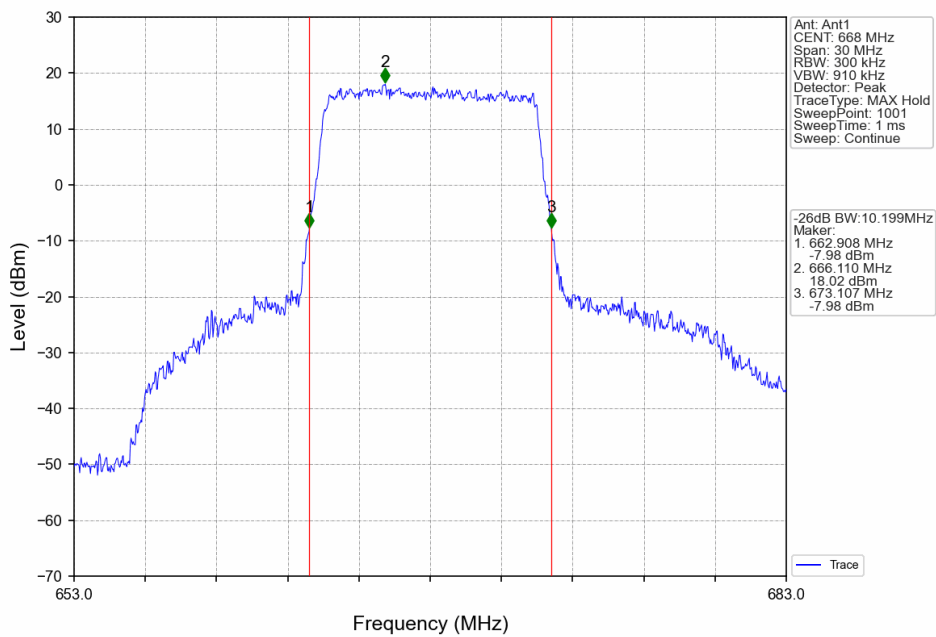
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



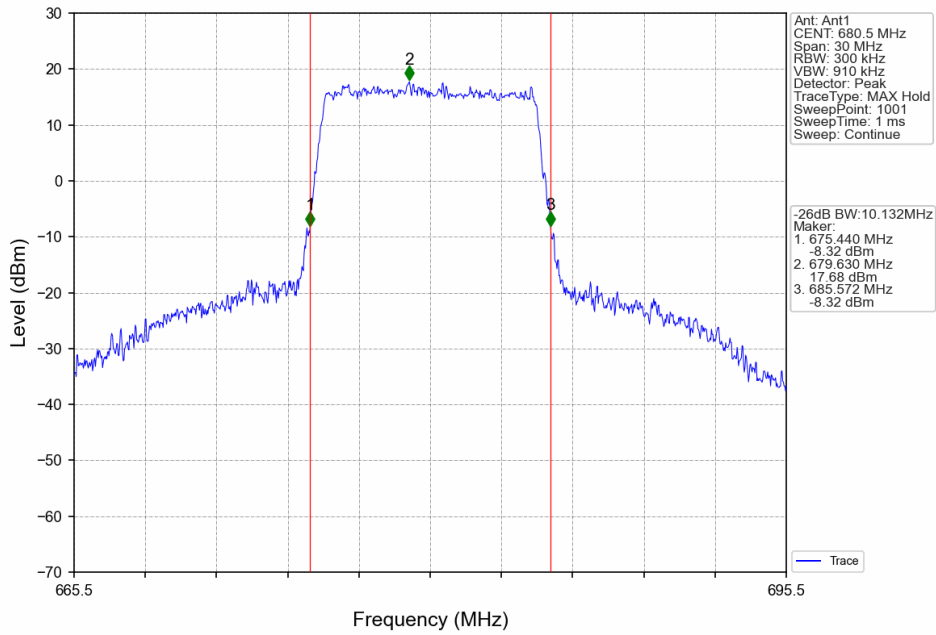
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



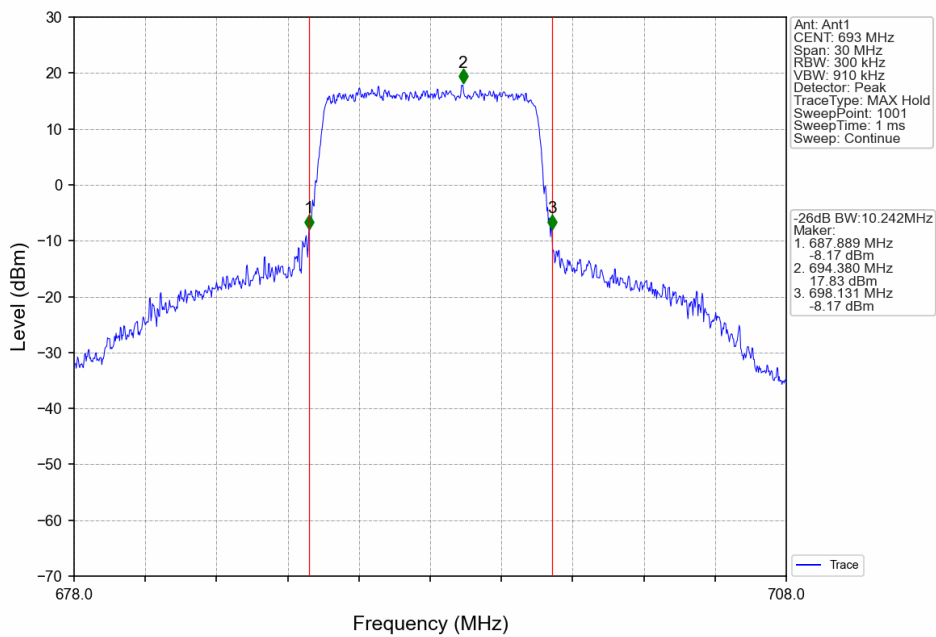
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



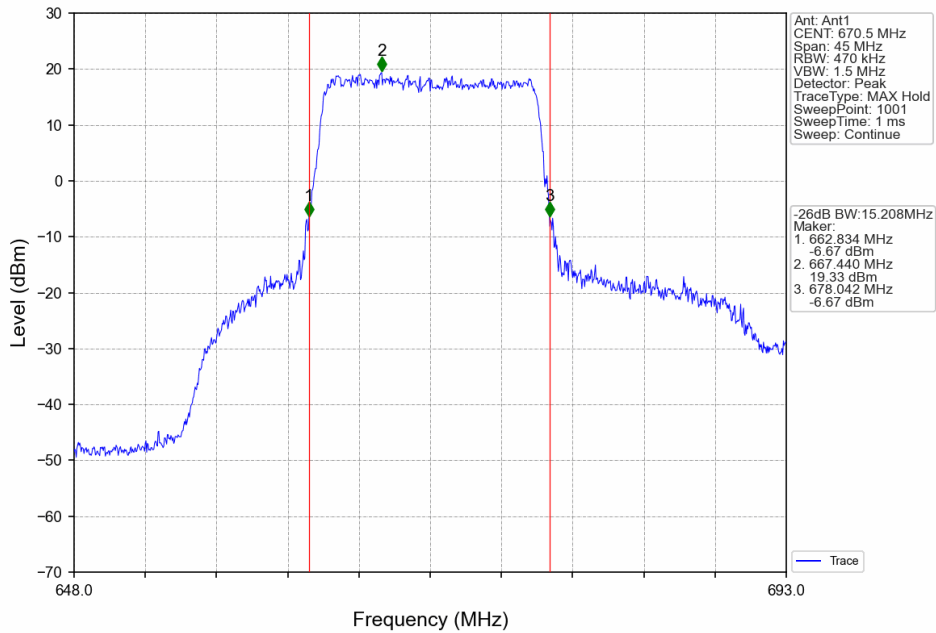
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



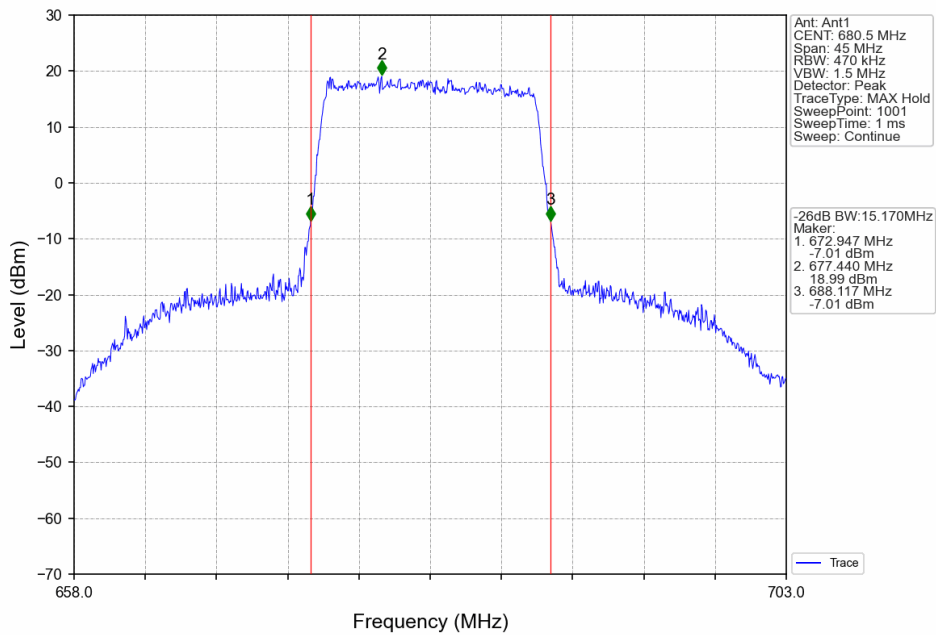
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV



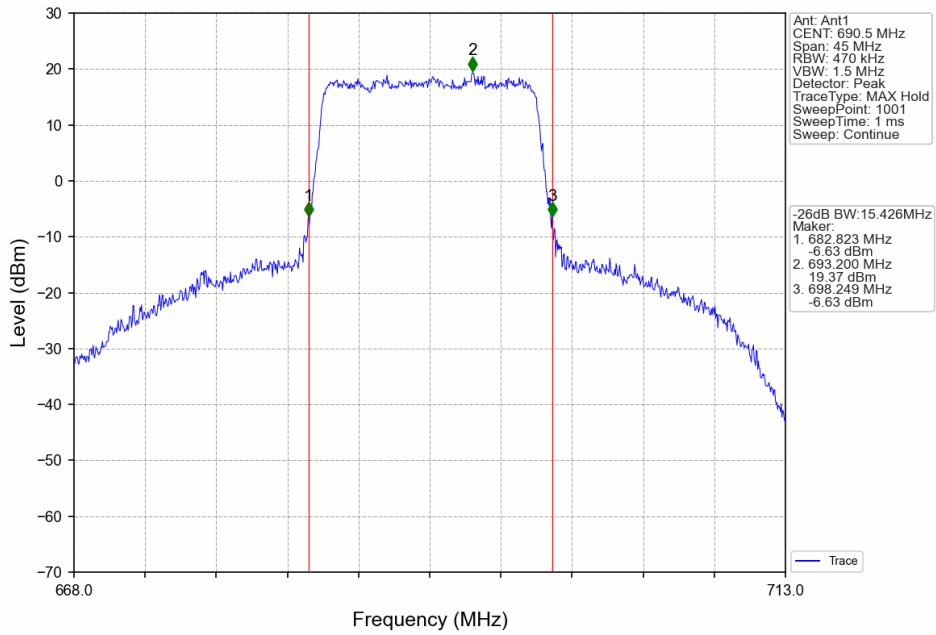
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



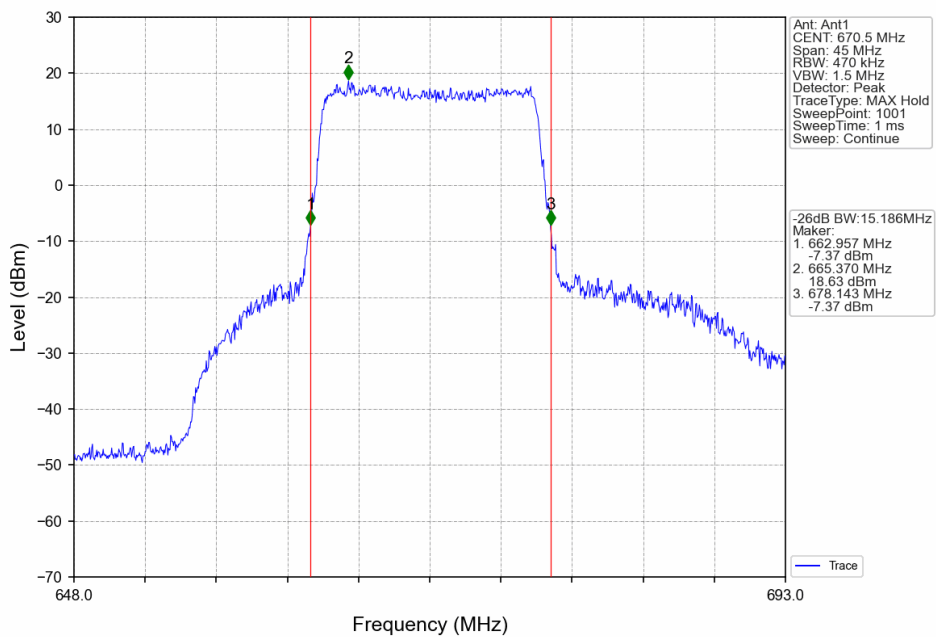
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



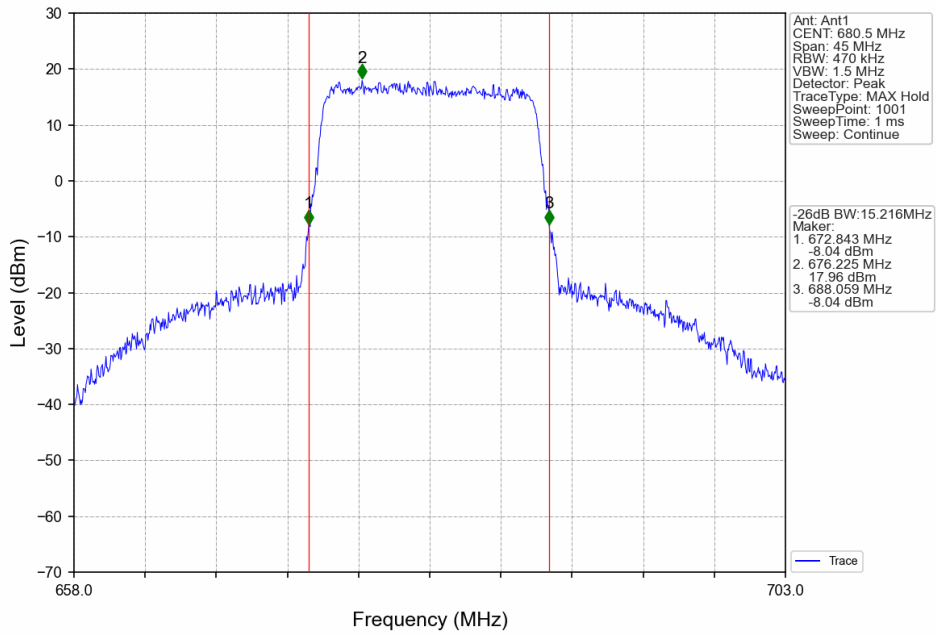
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



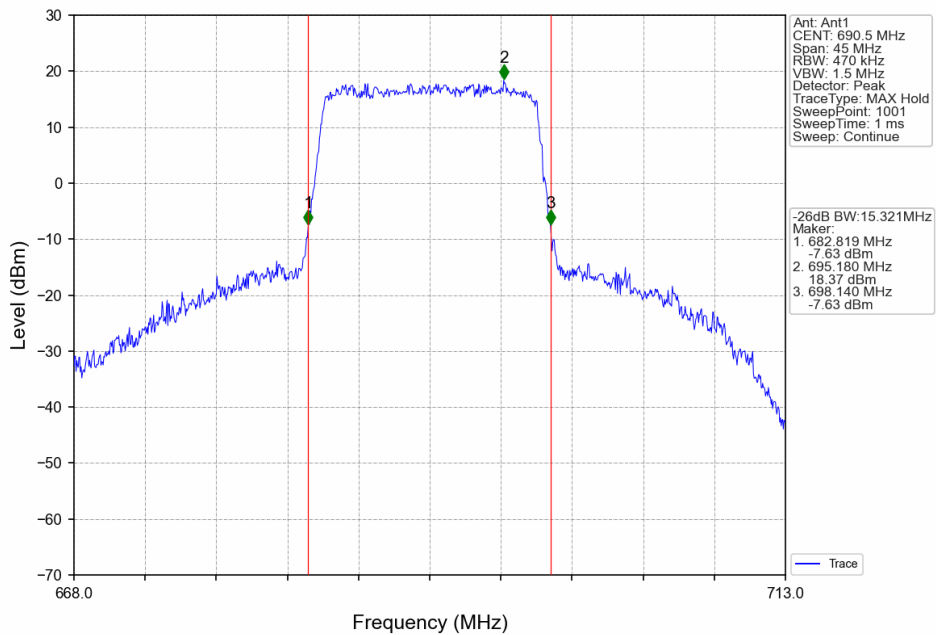
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV

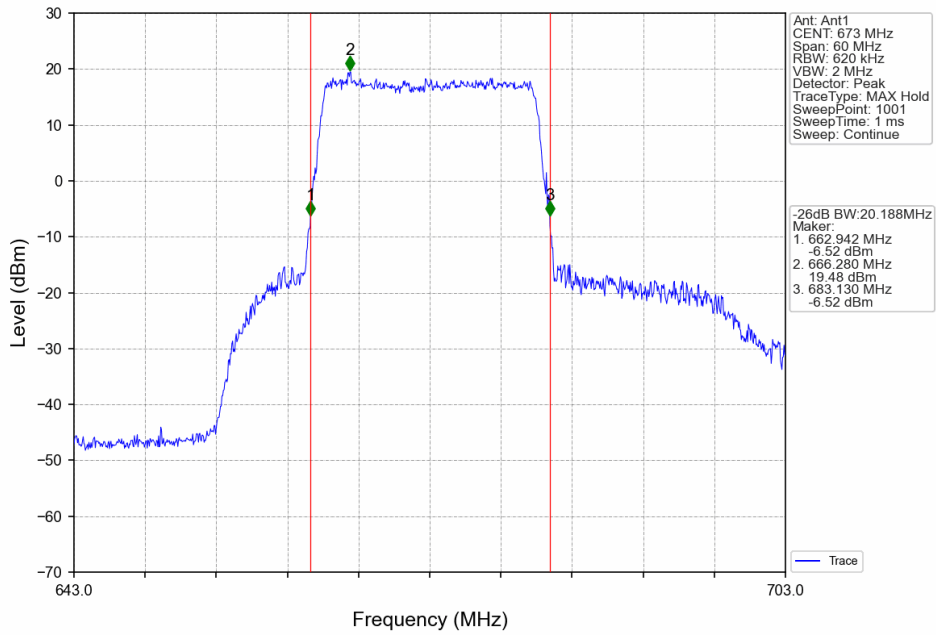


Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV

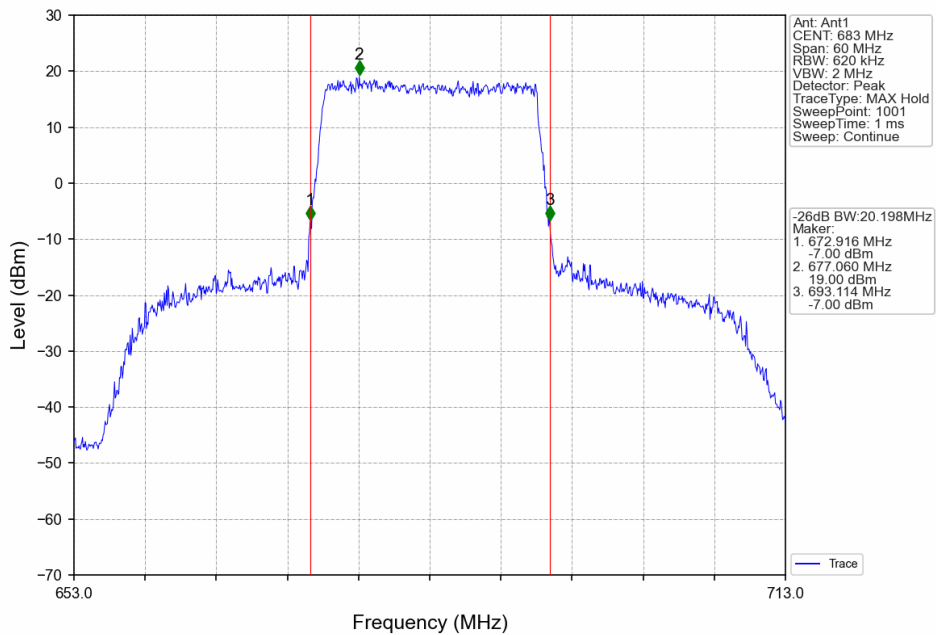




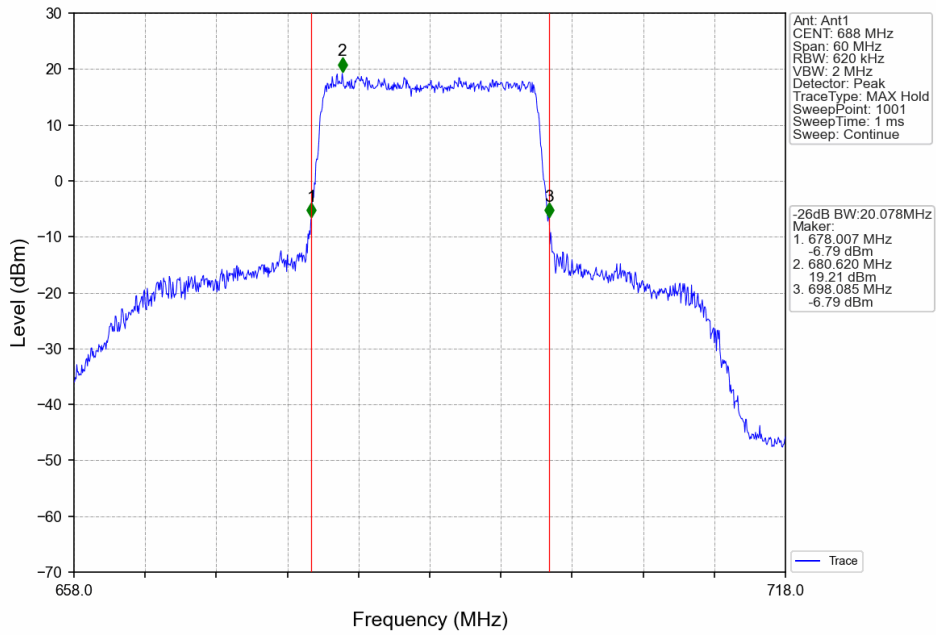
Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



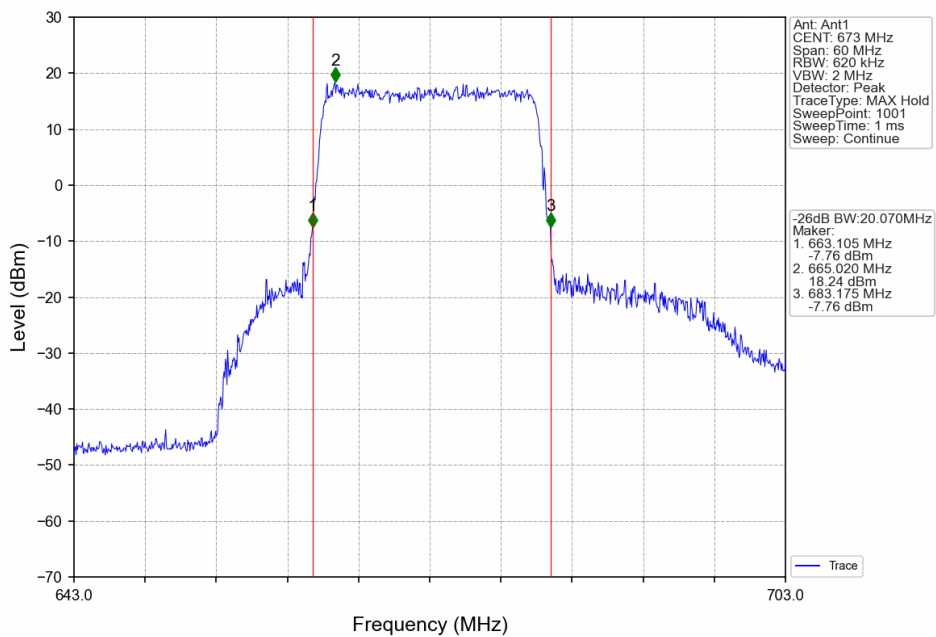
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



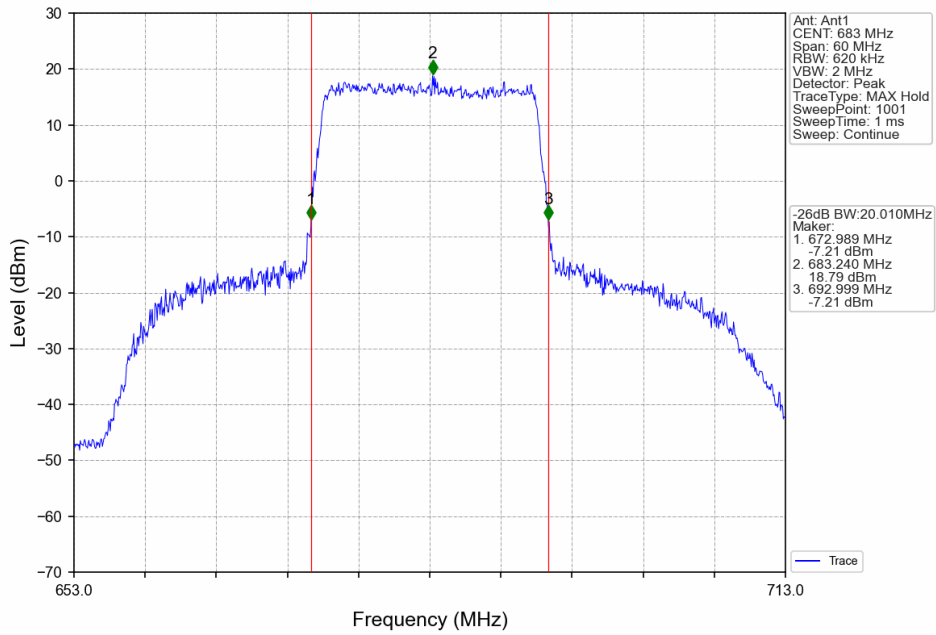
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



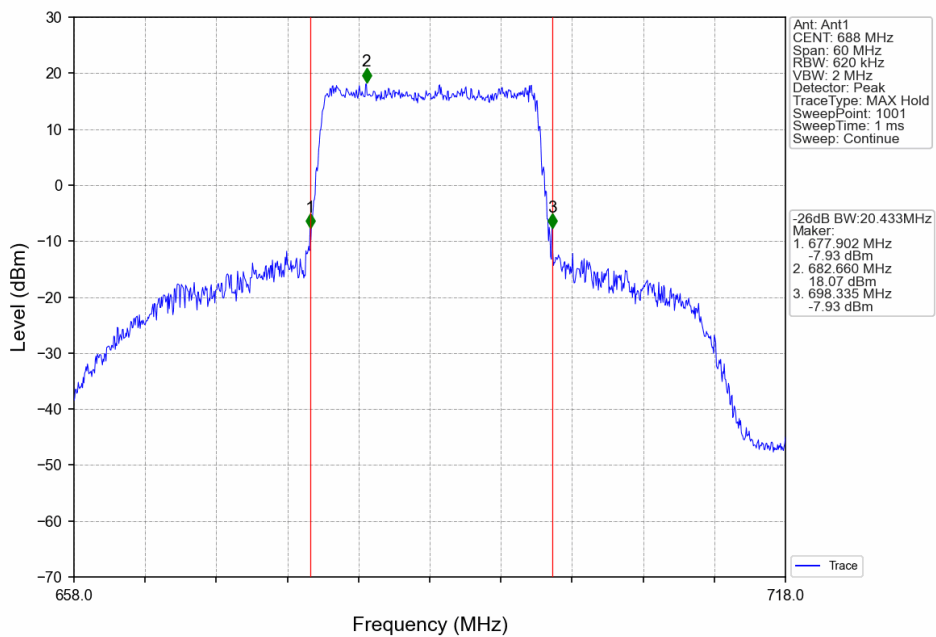
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV





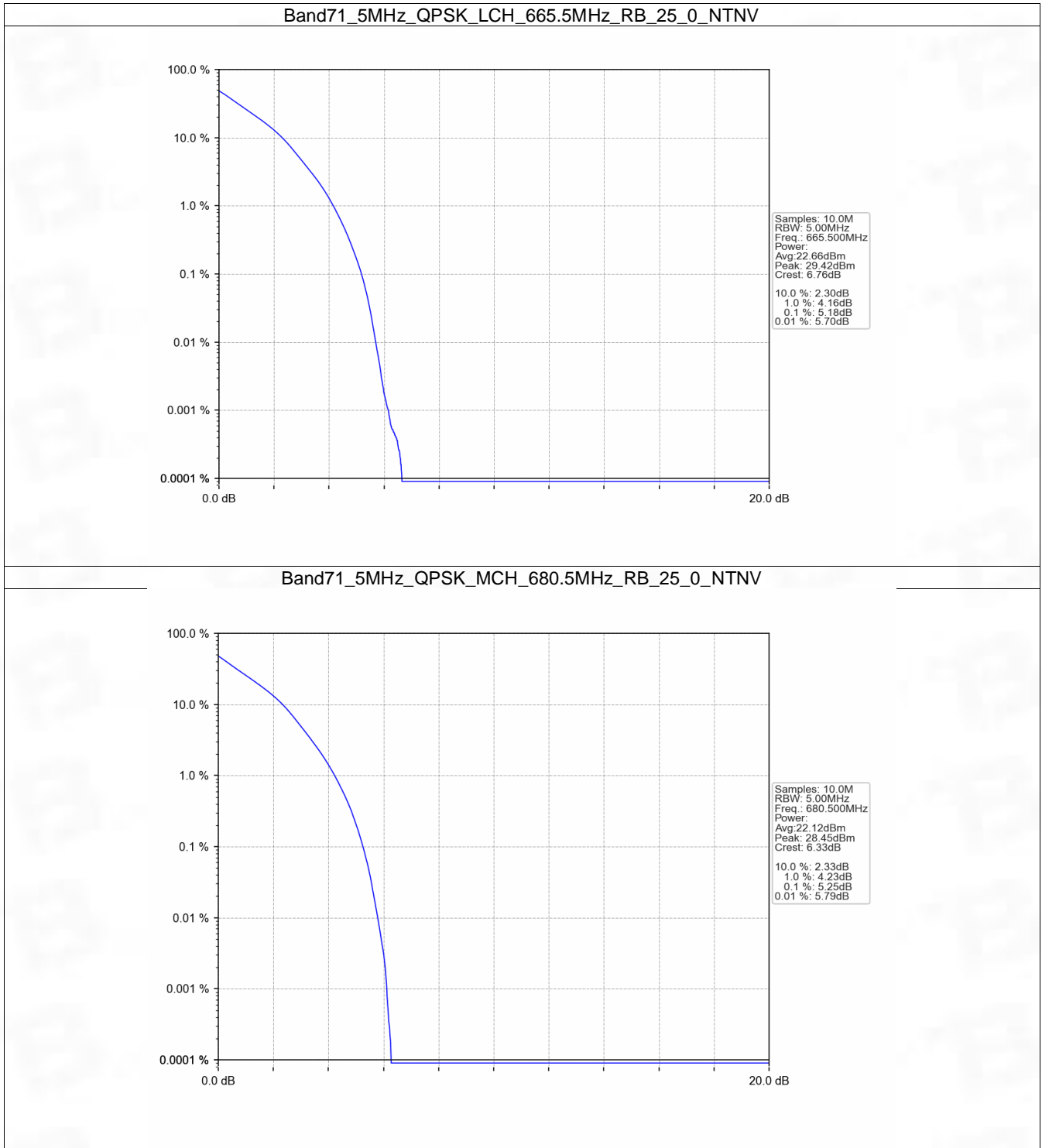
## 5. Peak-Average Ratio

### 5.1 B71\_5MHz

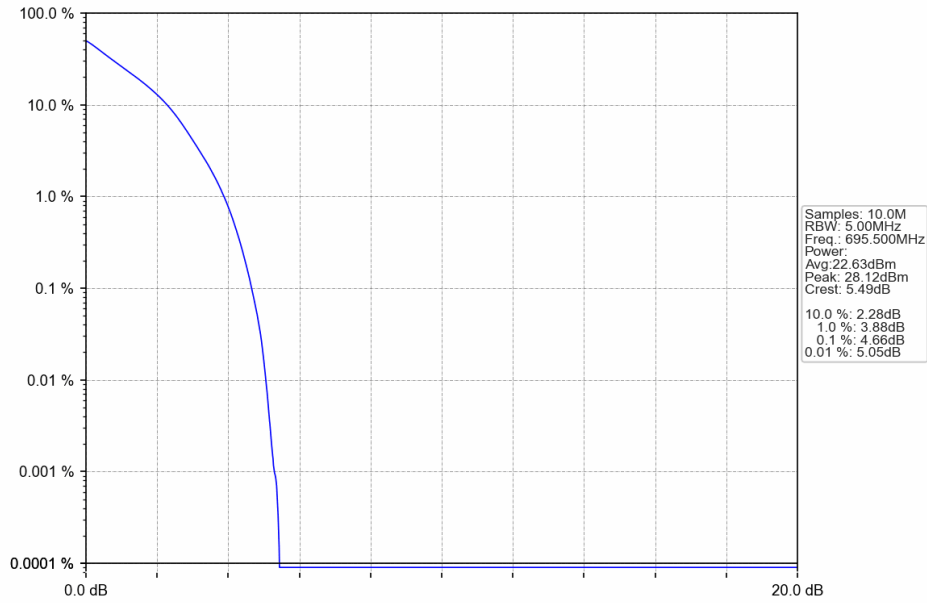
#### 5.1.1 Test Result

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

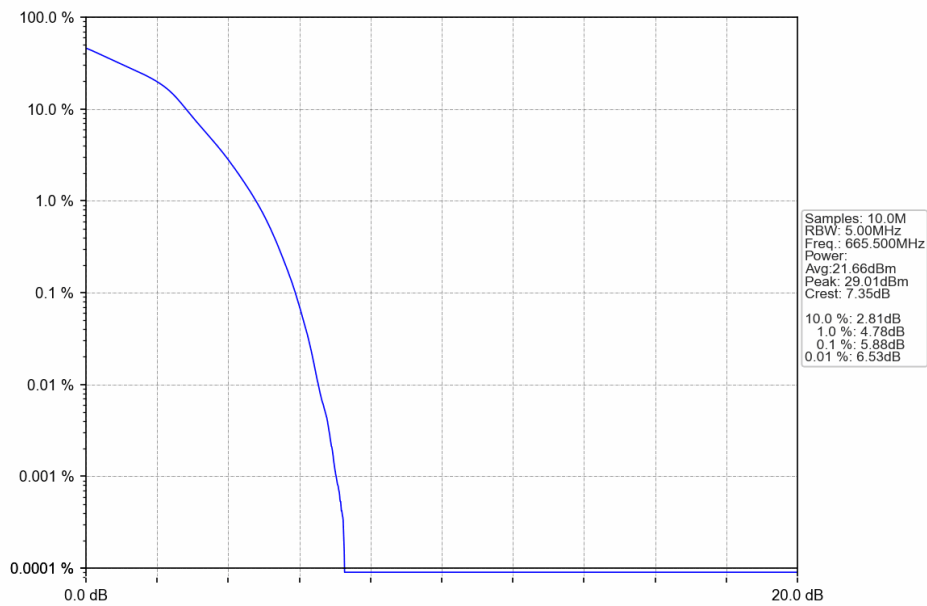
### 5.1.2 Test Graph



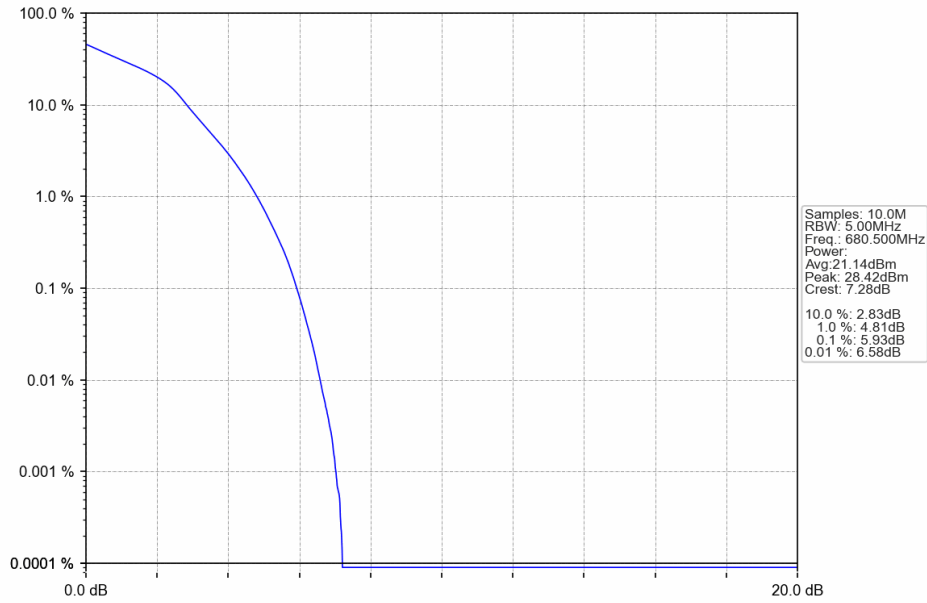
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



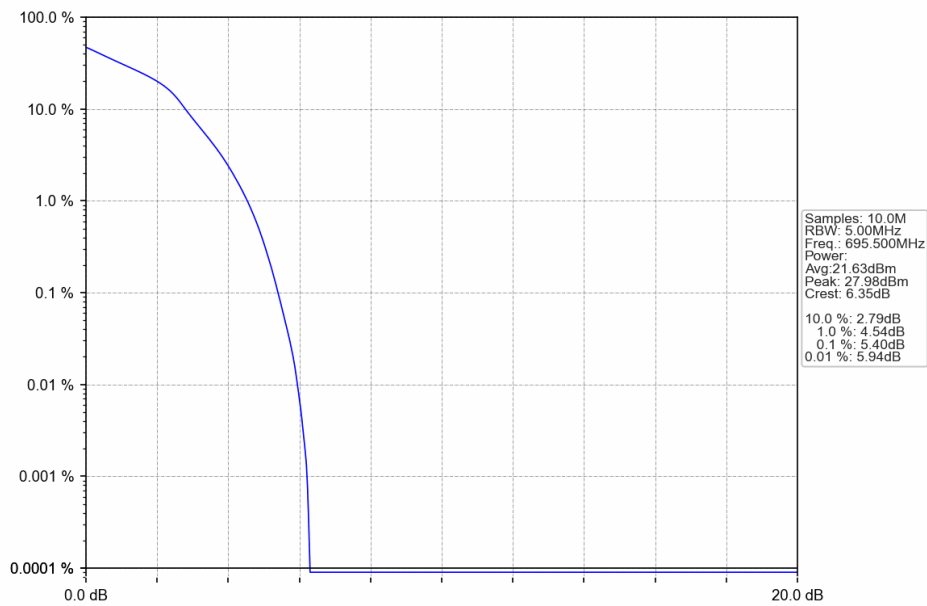
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV





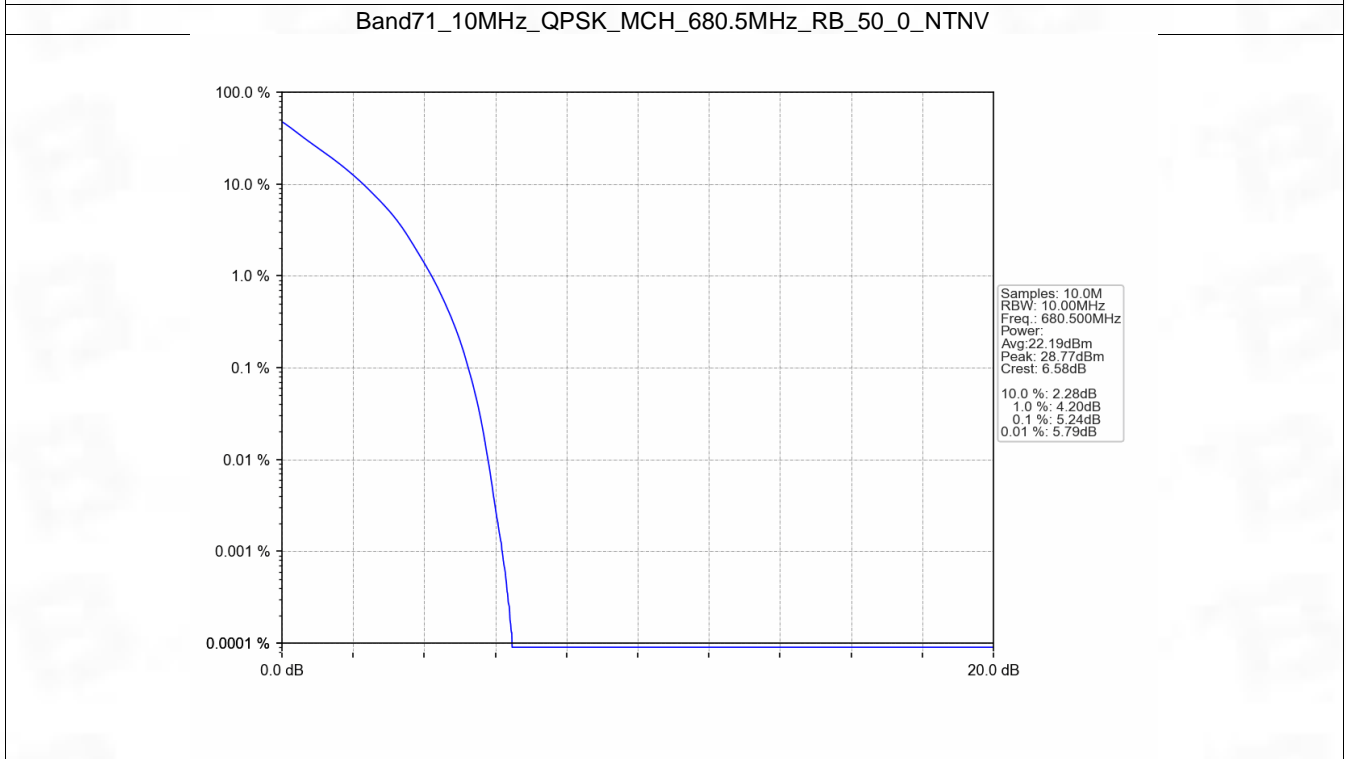
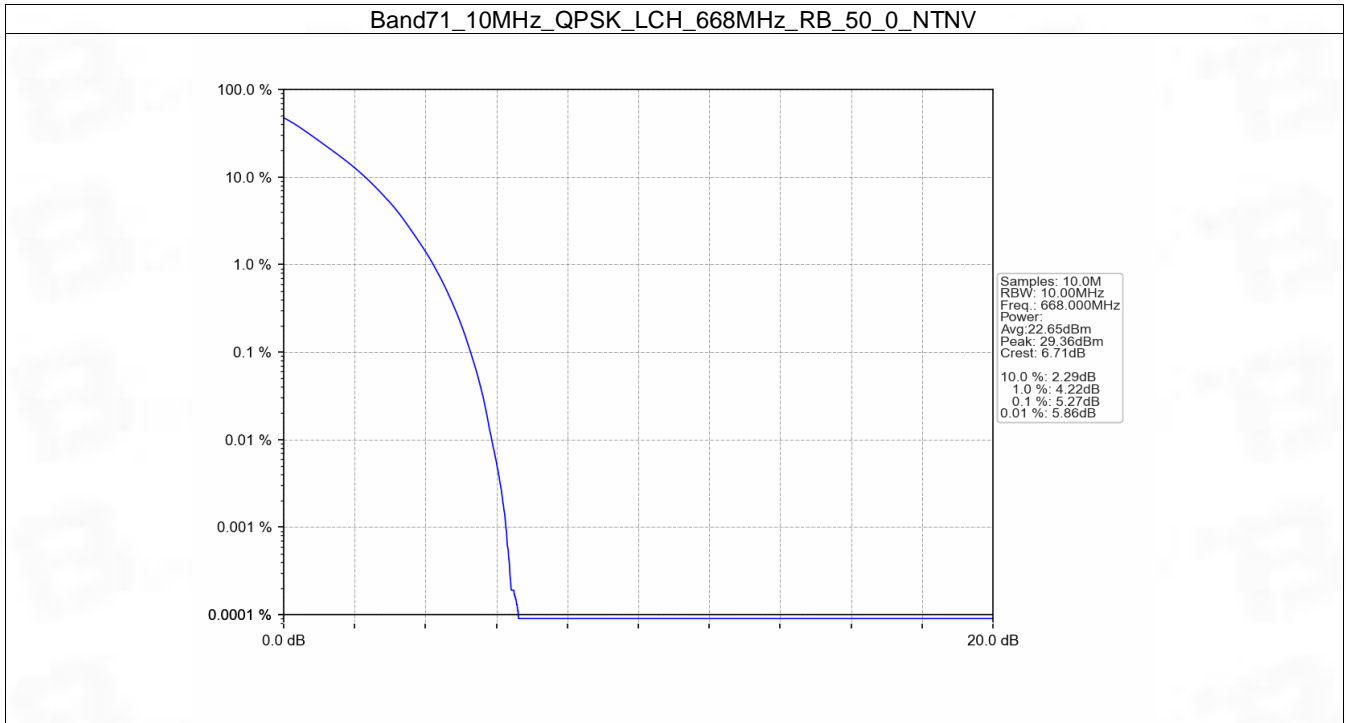
## 5.2 B71\_10MHz

### 5.2.1 Test Result

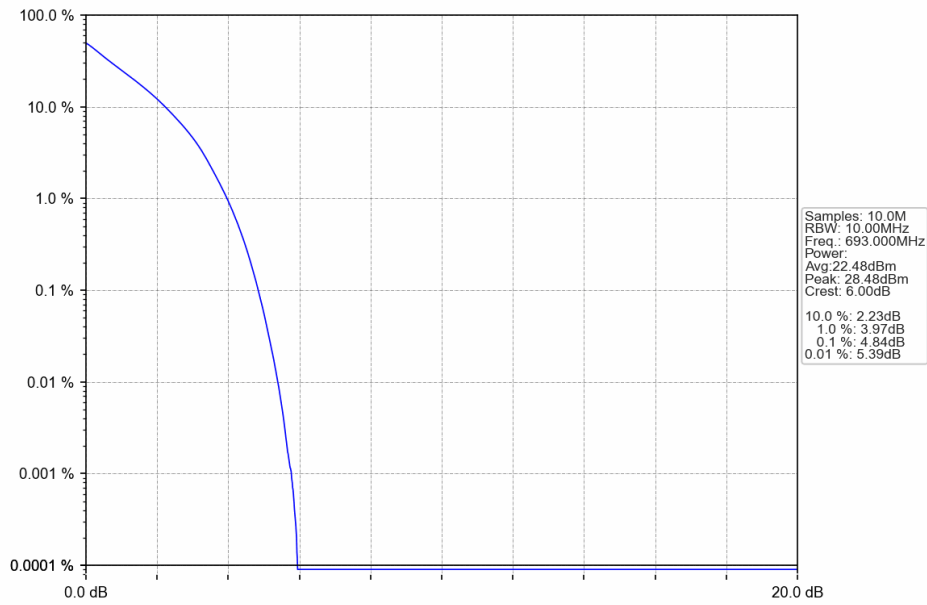
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.27	<=13	Pass
	680.5	50	0	5.24	<=13	Pass
	693	50	0	4.84	<=13	Pass
16QAM	668	50	0	6.03	<=13	Pass
	680.5	50	0	5.99	<=13	Pass
	693	50	0	5.56	<=13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



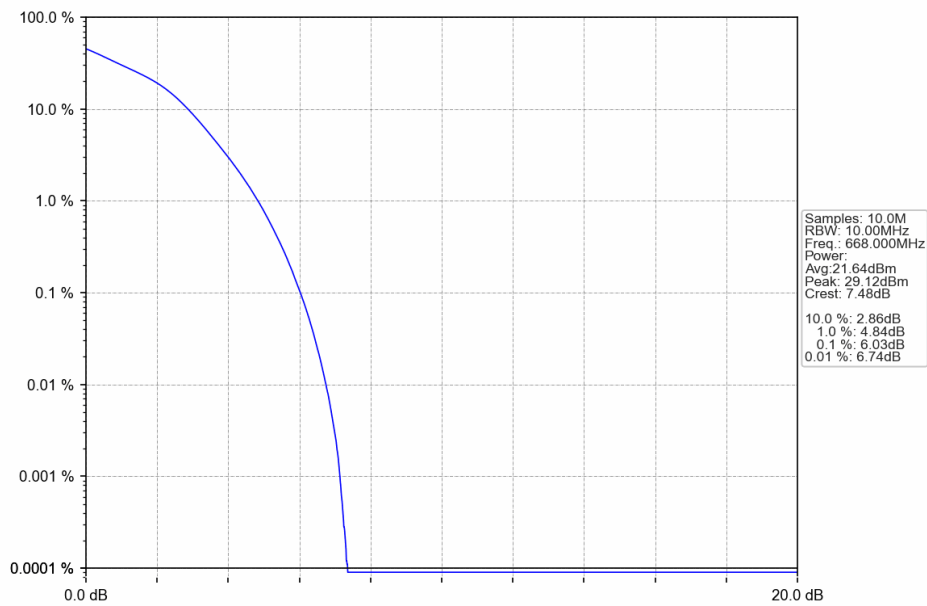
### 5.2.2 Test Graph



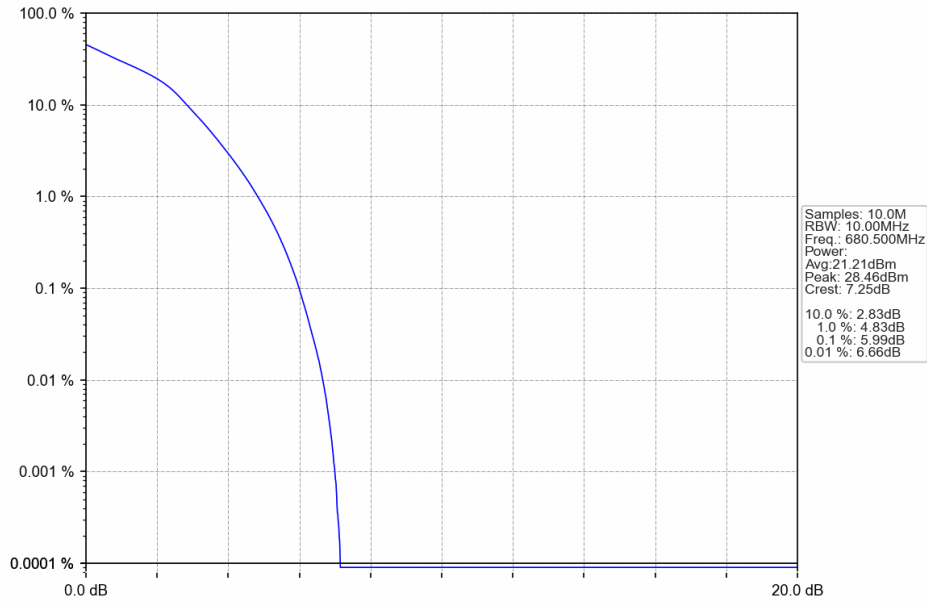
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



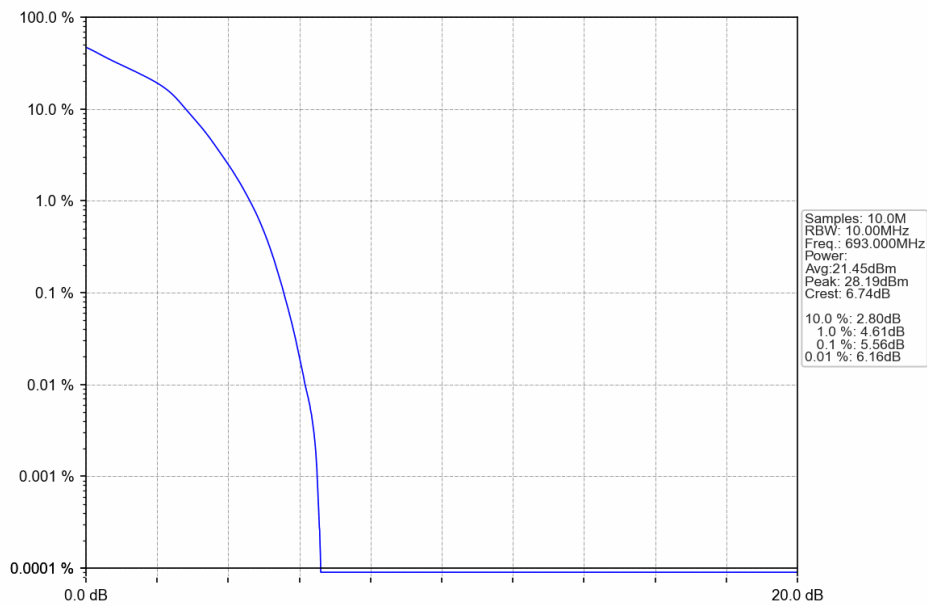
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV



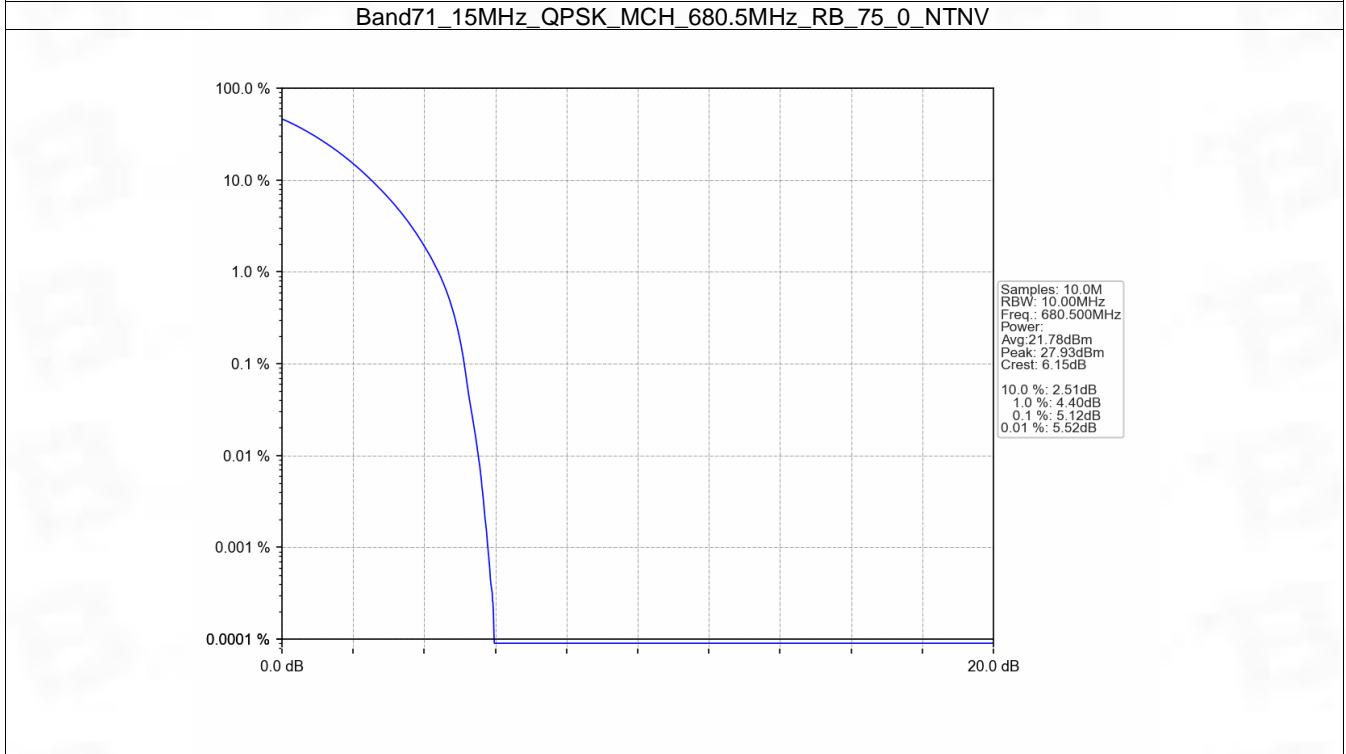
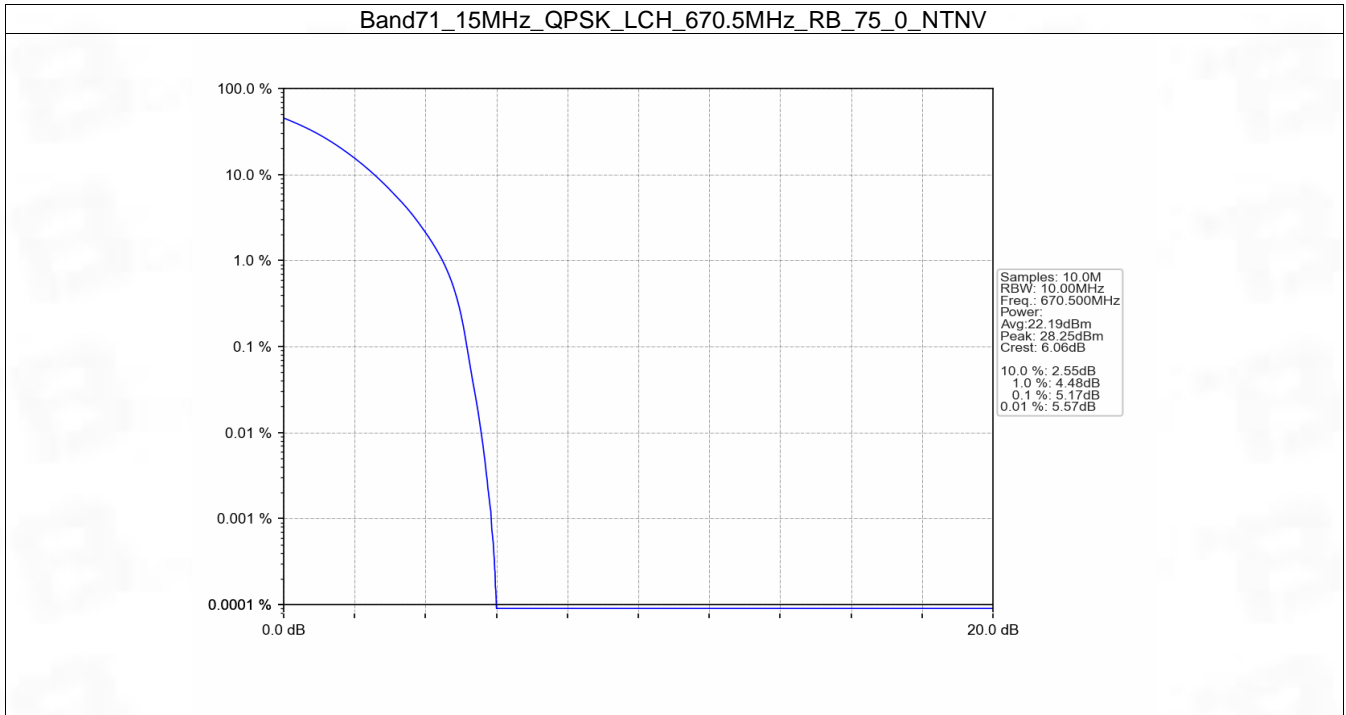


### 5.3 B71\_15MHz

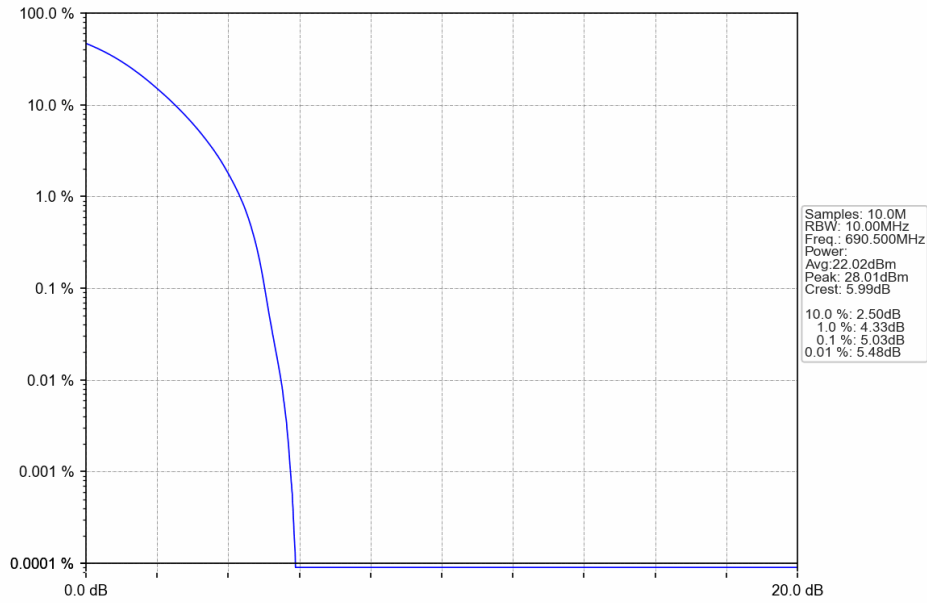
#### 5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.17	<=13	Pass
	680.5	75	0	5.12	<=13	Pass
	690.5	75	0	5.03	<=13	Pass
16QAM	670.5	75	0	6.03	<=13	Pass
	680.5	75	0	5.96	<=13	Pass
	690.5	75	0	5.81	<=13	Pass

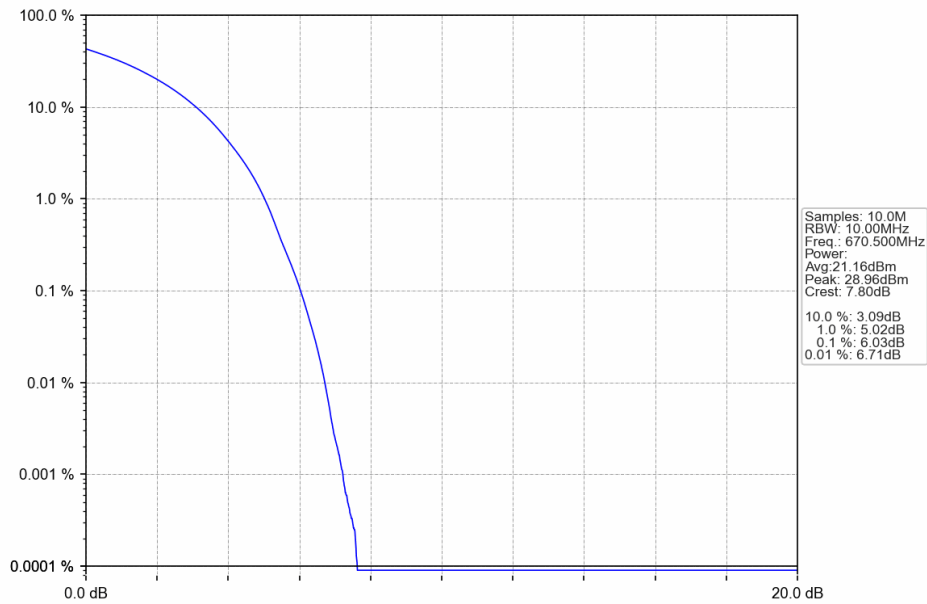
### 5.3.2 Test Graph



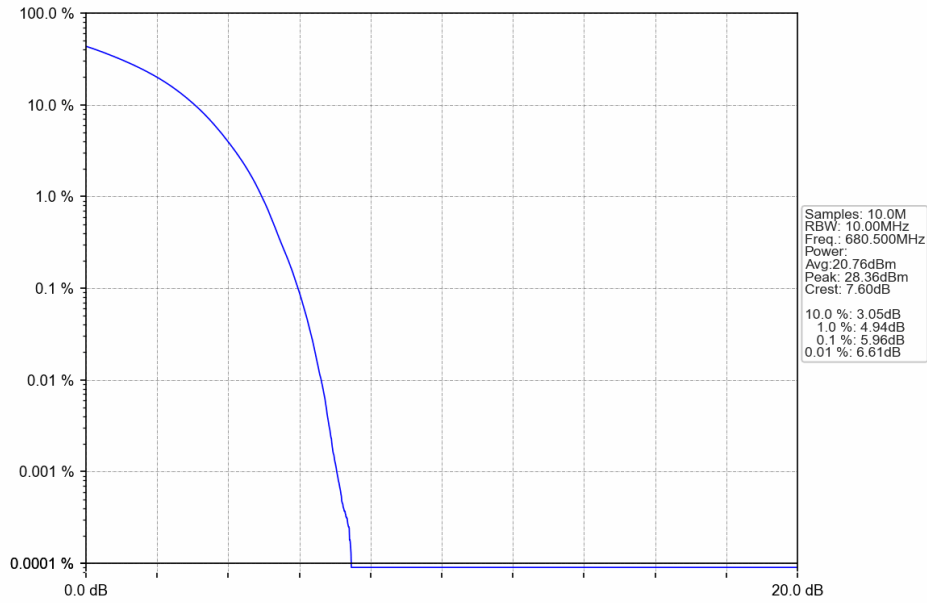
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



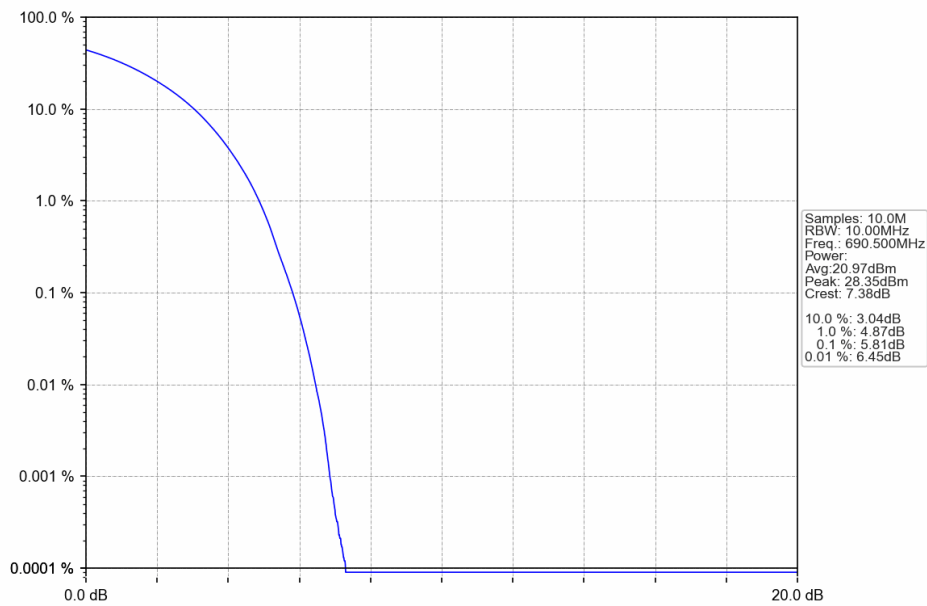
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV





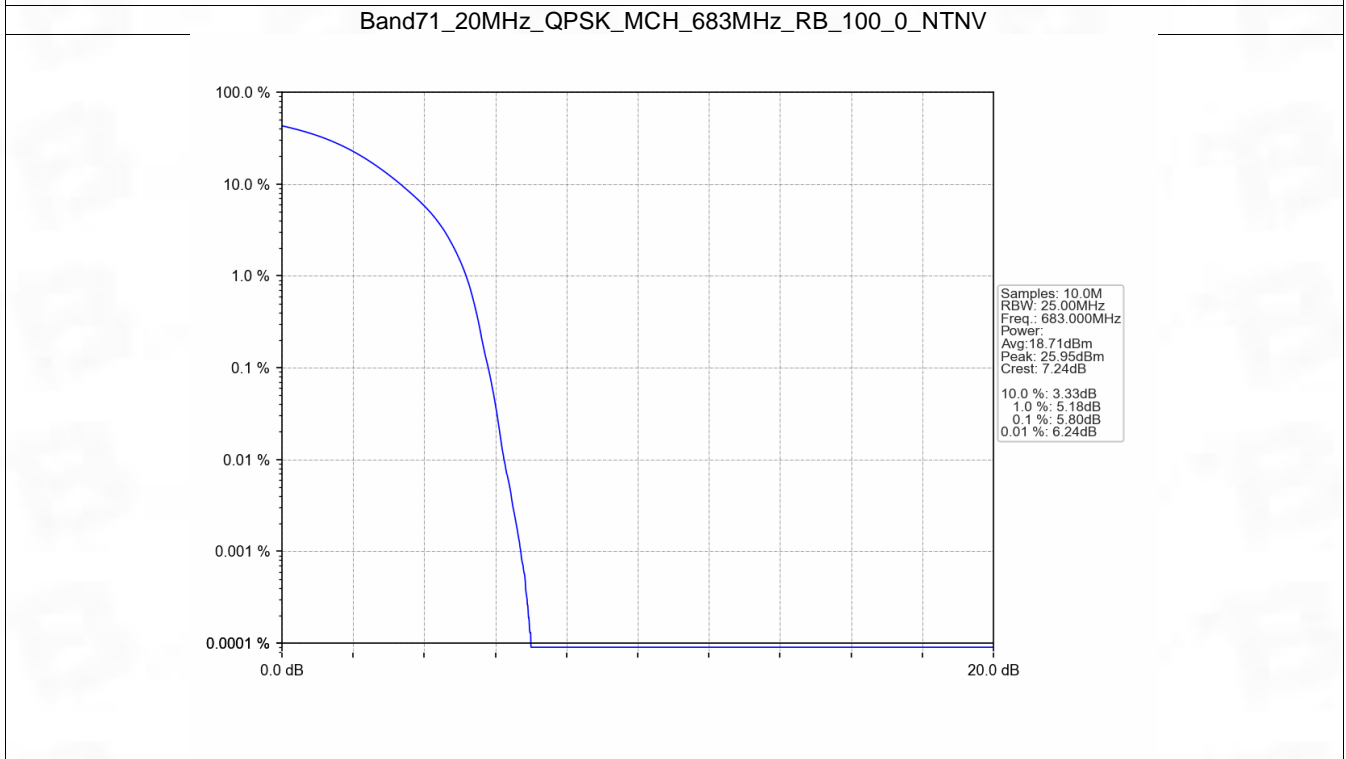
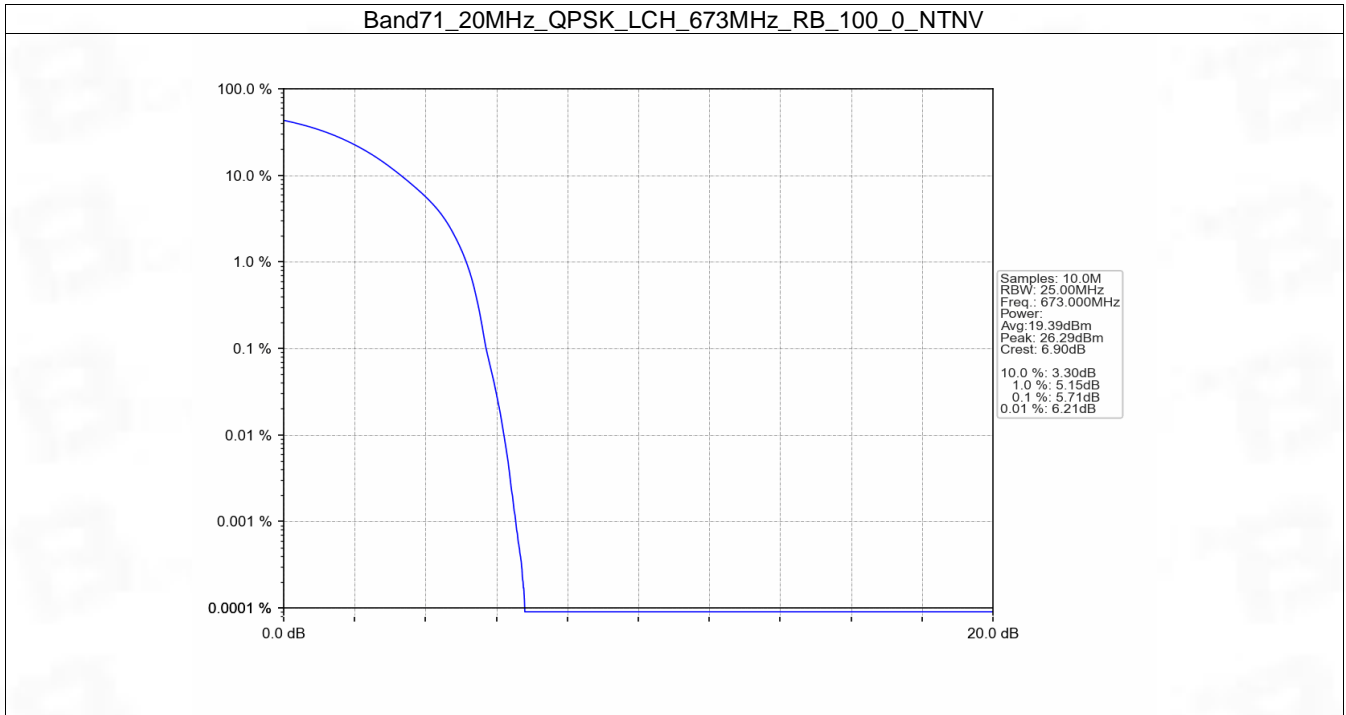
### 5.4 B71\_20MHz

#### 5.4.1 Test Result

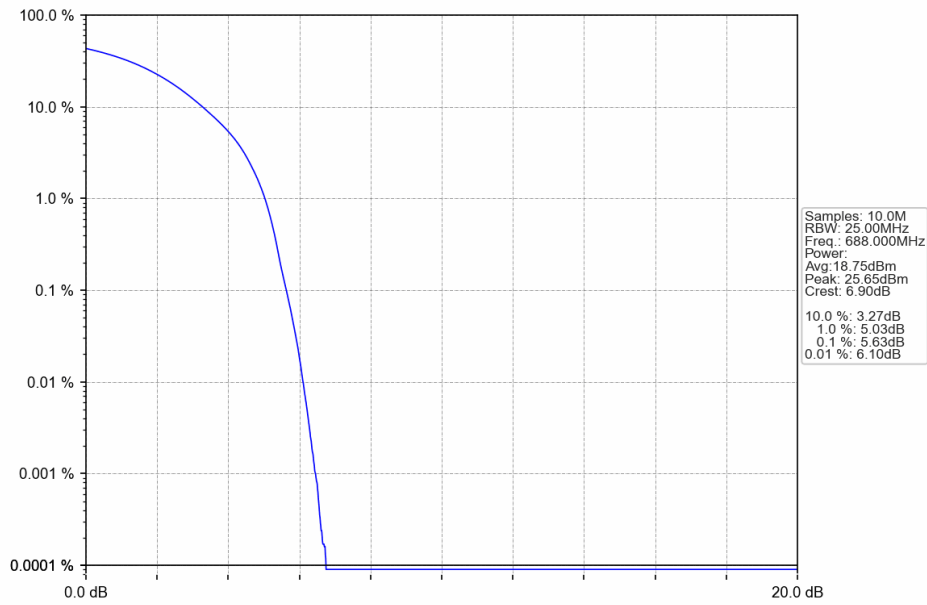
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.71	<=13	Pass
	683	100	0	5.80	<=13	Pass
	688	100	0	5.63	<=13	Pass
16QAM	673	100	0	6.71	<=13	Pass
	683	100	0	6.74	<=13	Pass
	688	100	0	6.67	<=13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



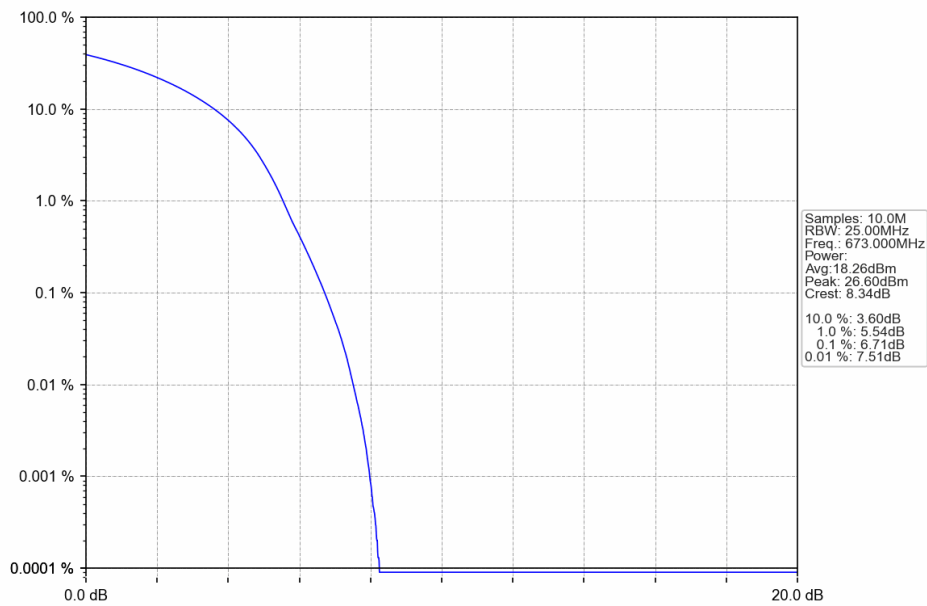
### 5.4.2 Test Graph



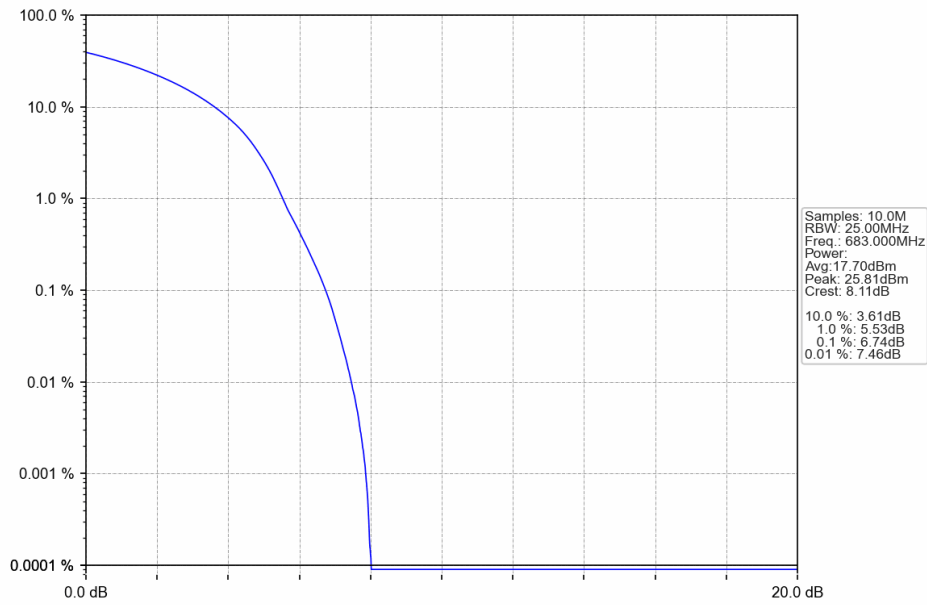
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



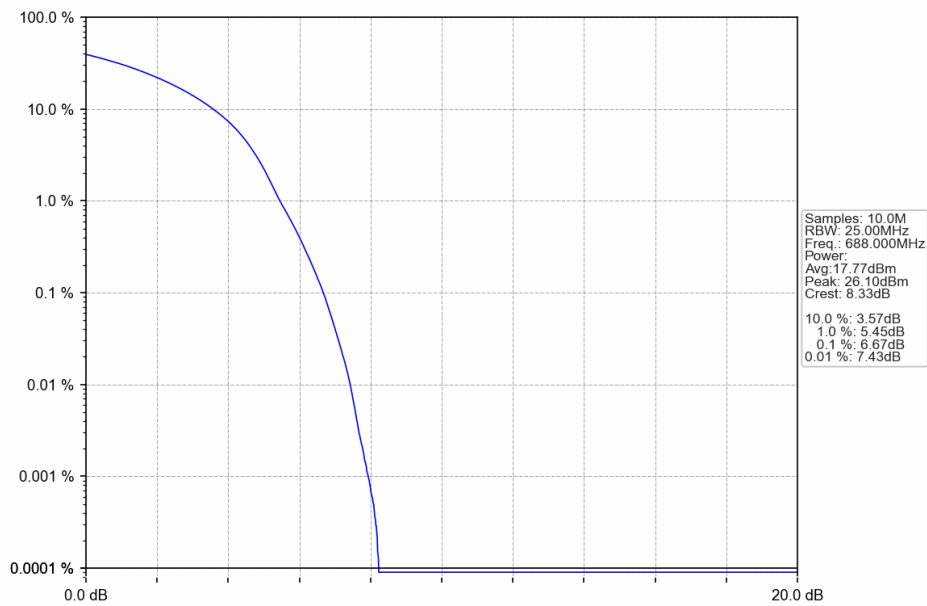
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_MCH\_683MHz\_RB\_100\_0\_NTNV



Band71\_20MHz\_16QAM\_HCH\_688MHz\_RB\_100\_0\_NTNV





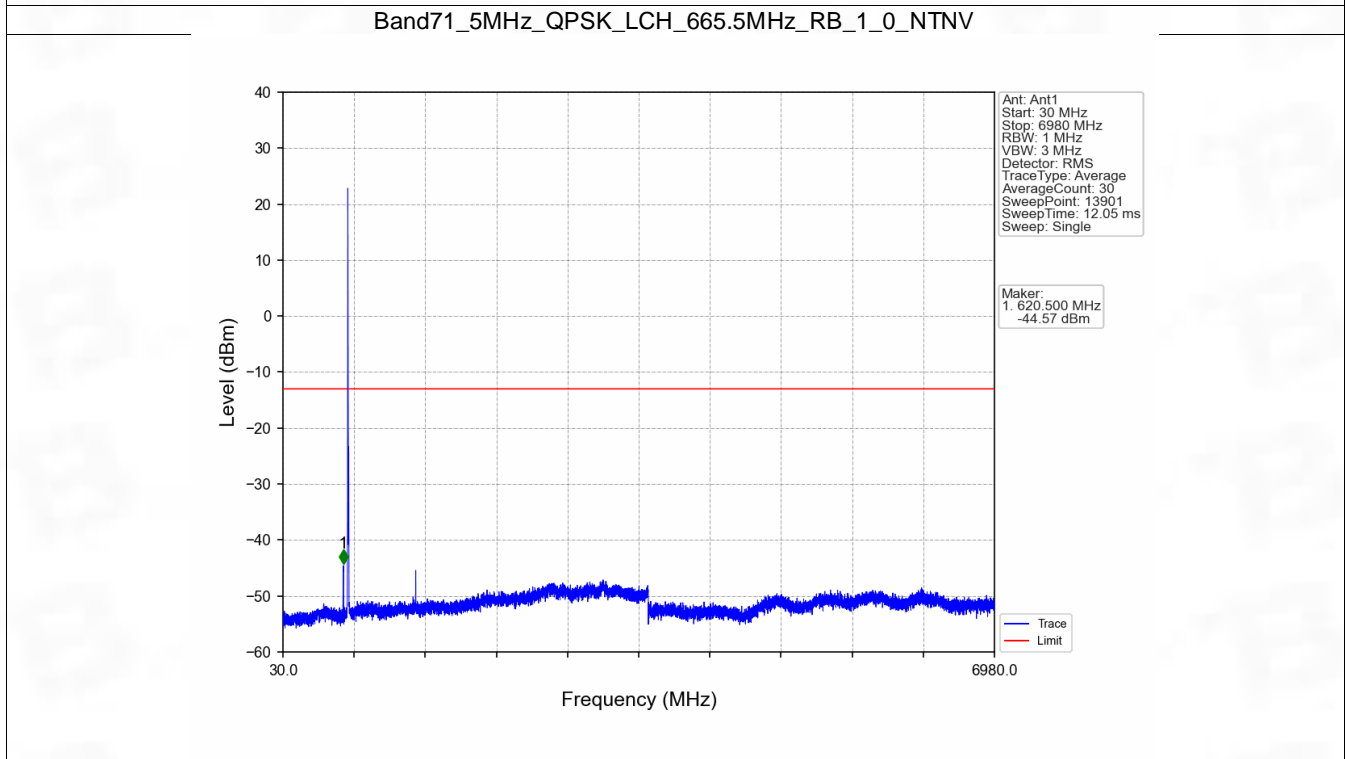
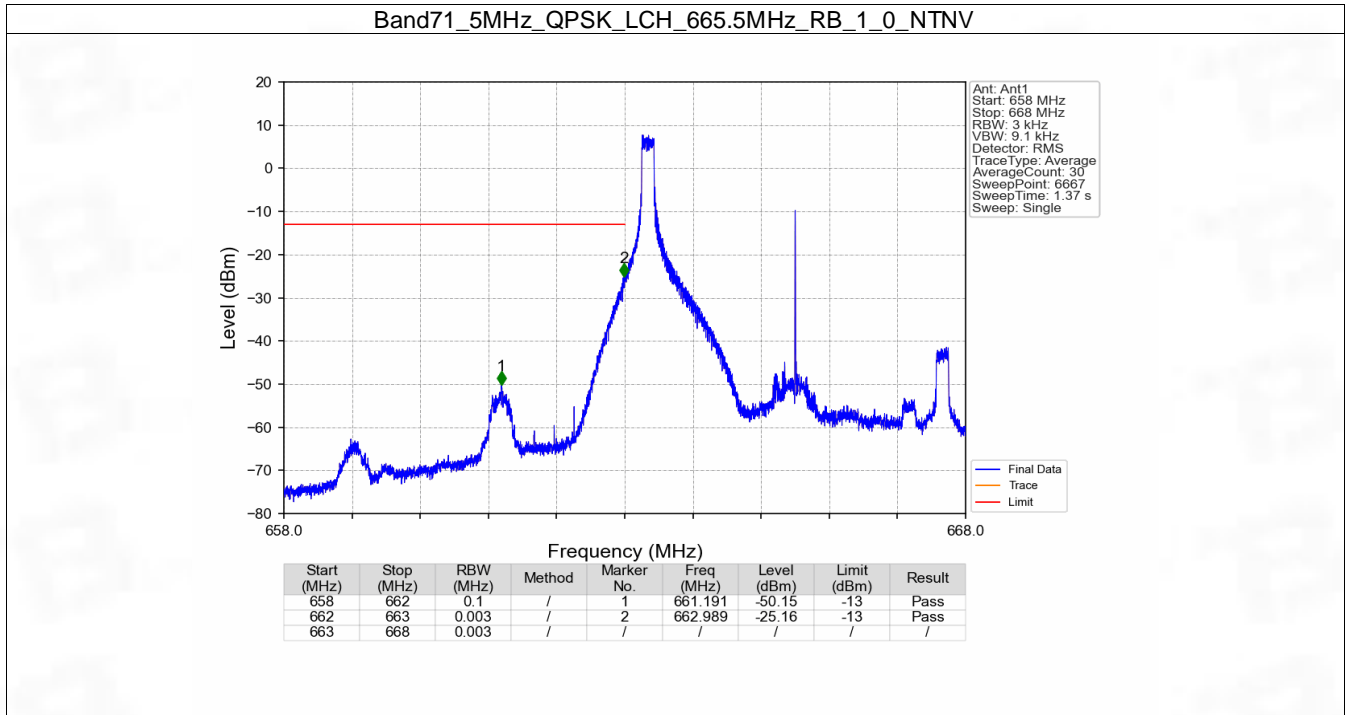
## 6. Spurious Emission

### 6.1 B71\_5MHz

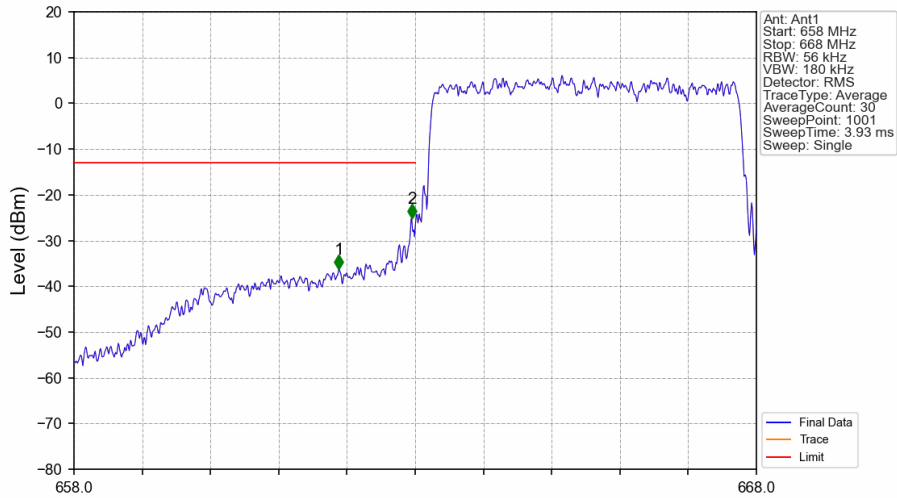
#### 6.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
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
			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
			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

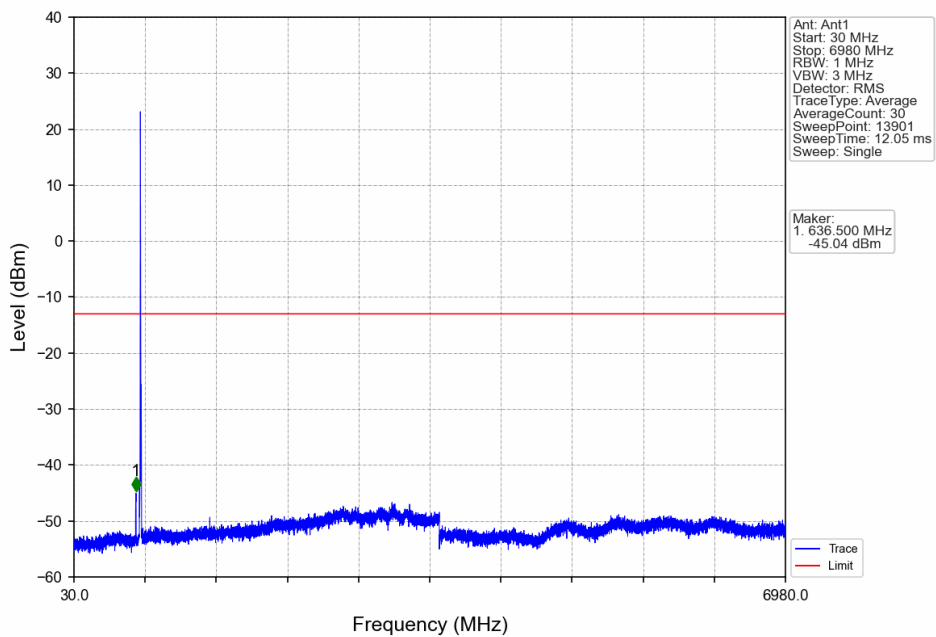


Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_25\_0\_NTNV

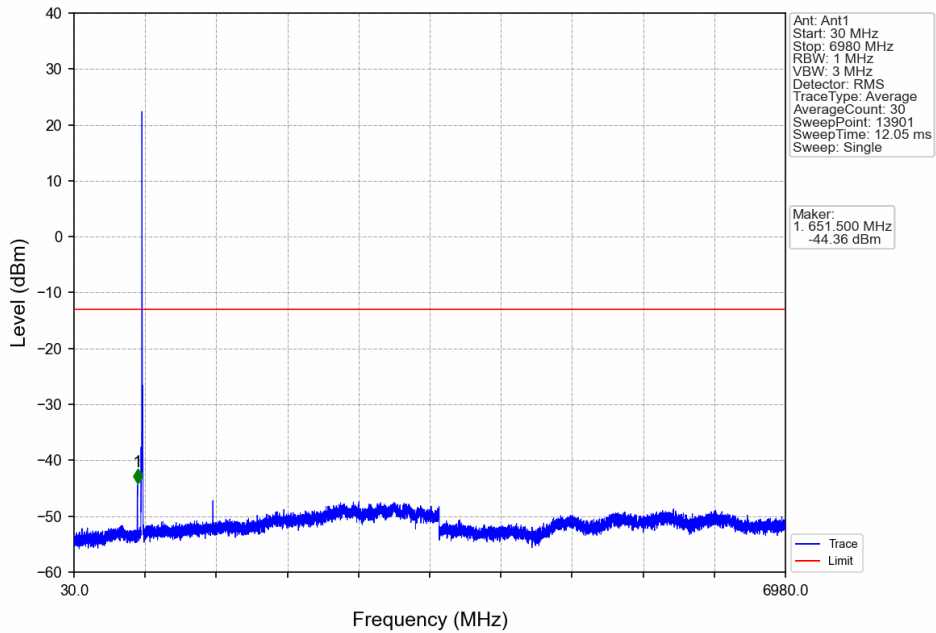


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.880	-36.25	-13	Pass
662	663	0.056	/	2	662.950	-25.22	-13	Pass
663	668	0.056	/	/	/	/	/	/

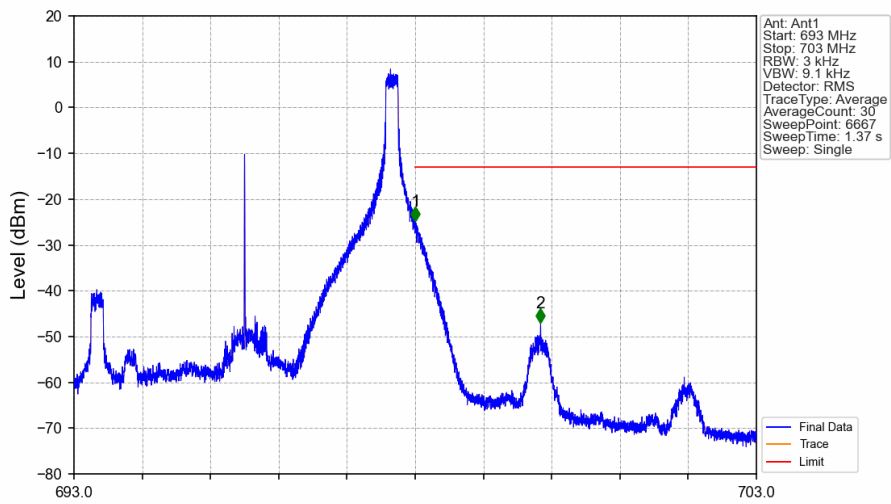
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV

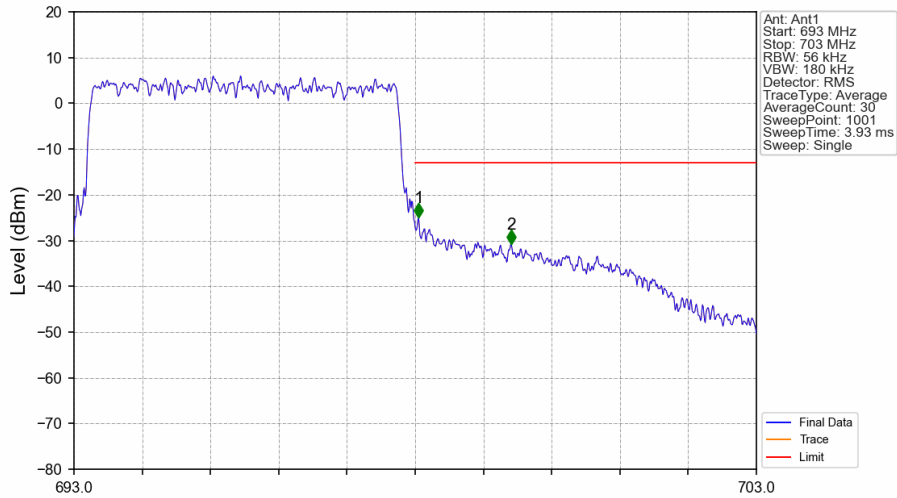


Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_24\_NTNV



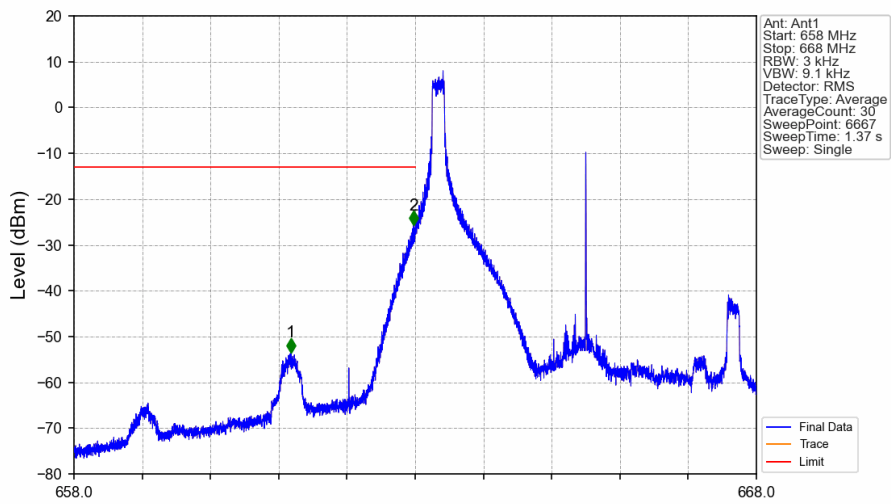
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-24.75	-13	Pass
699	703	0.1	/	2	699.838	-47.05	-13	Pass

Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.050	-24.96	-13	Pass
699	703	0.1	/	2	699.410	-30.84	-13	Pass

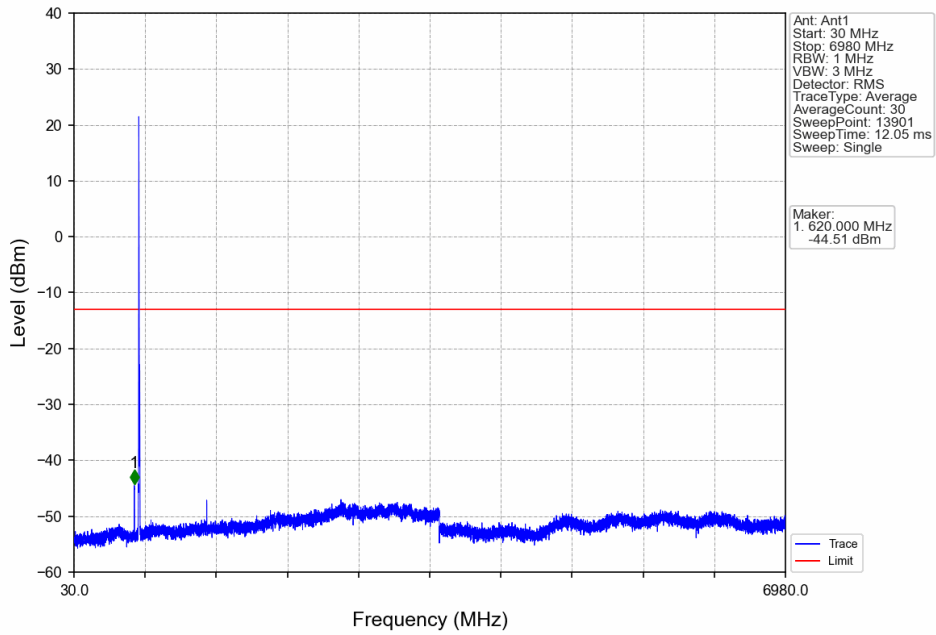
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



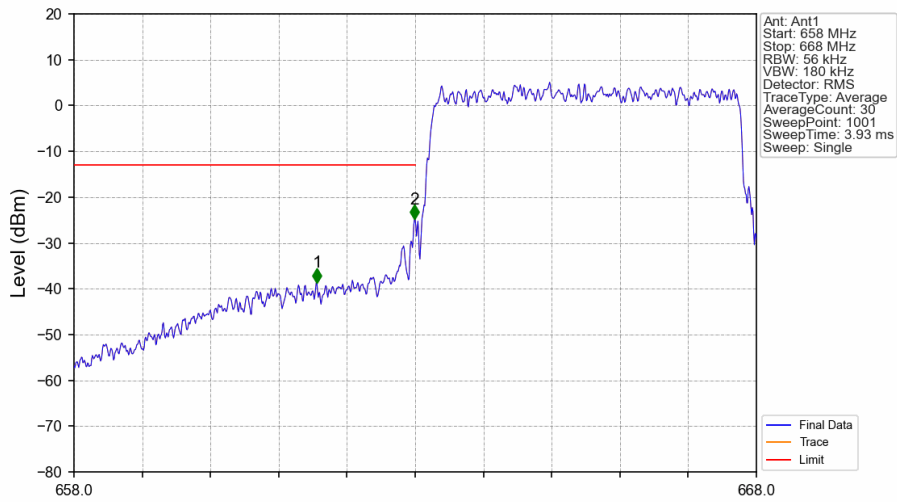
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.179	-53.45	-13	Pass
662	663	0.003	/	2	662.974	-25.70	-13	Pass
663	668	0.003	/	/	/	/	/	/



Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV

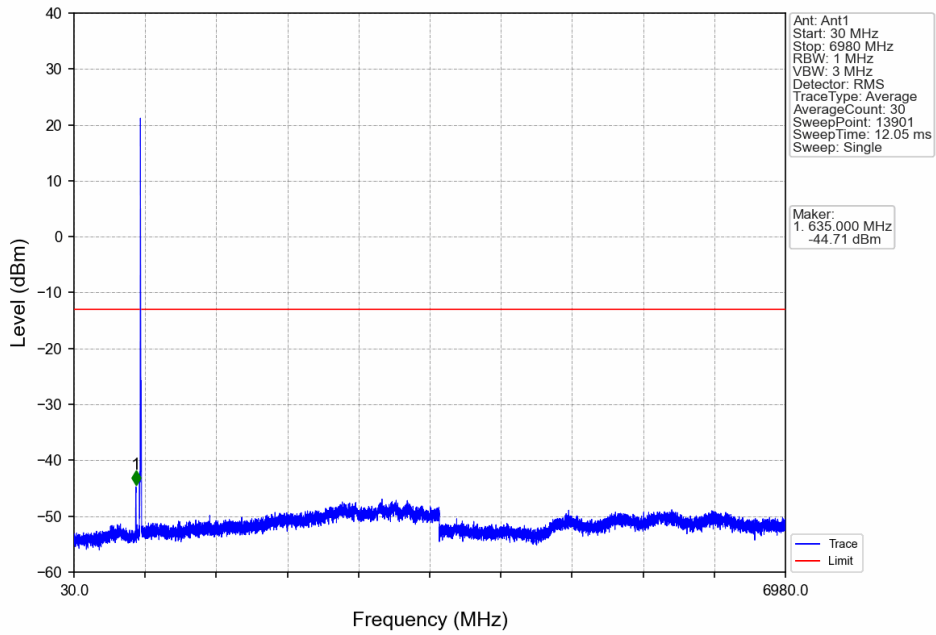


Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV

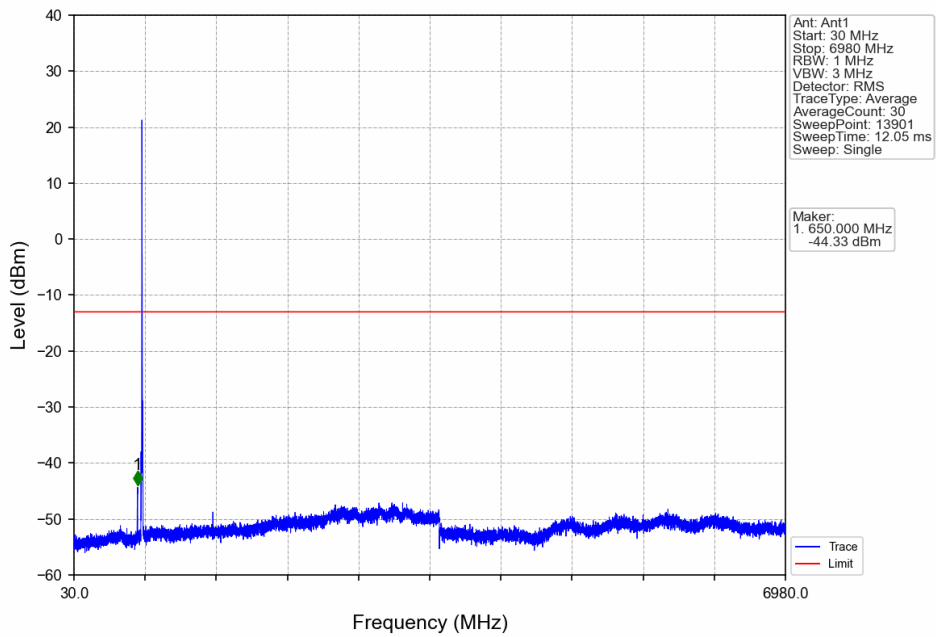


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.560	-38.66	-13	Pass
662	663	0.056	/	2	662.990	-24.78	-13	Pass
663	668	0.056	/	/	/	/	/	/

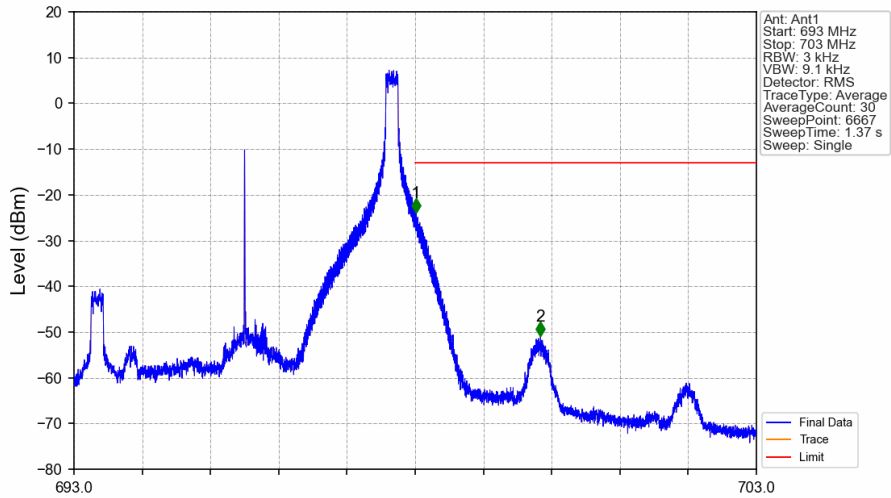
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_0\_NTNV

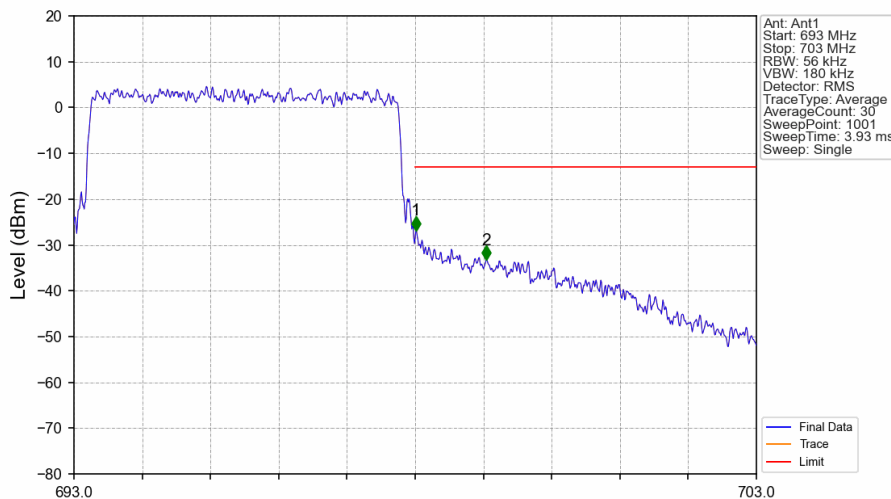


Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.011	-23.92	-13	Pass
699	703	0.1	/	2	699.836	-50.85	-13	Pass

Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.010	-26.86	-13	Pass
699	703	0.1	/	2	699.040	-33.23	-13	Pass

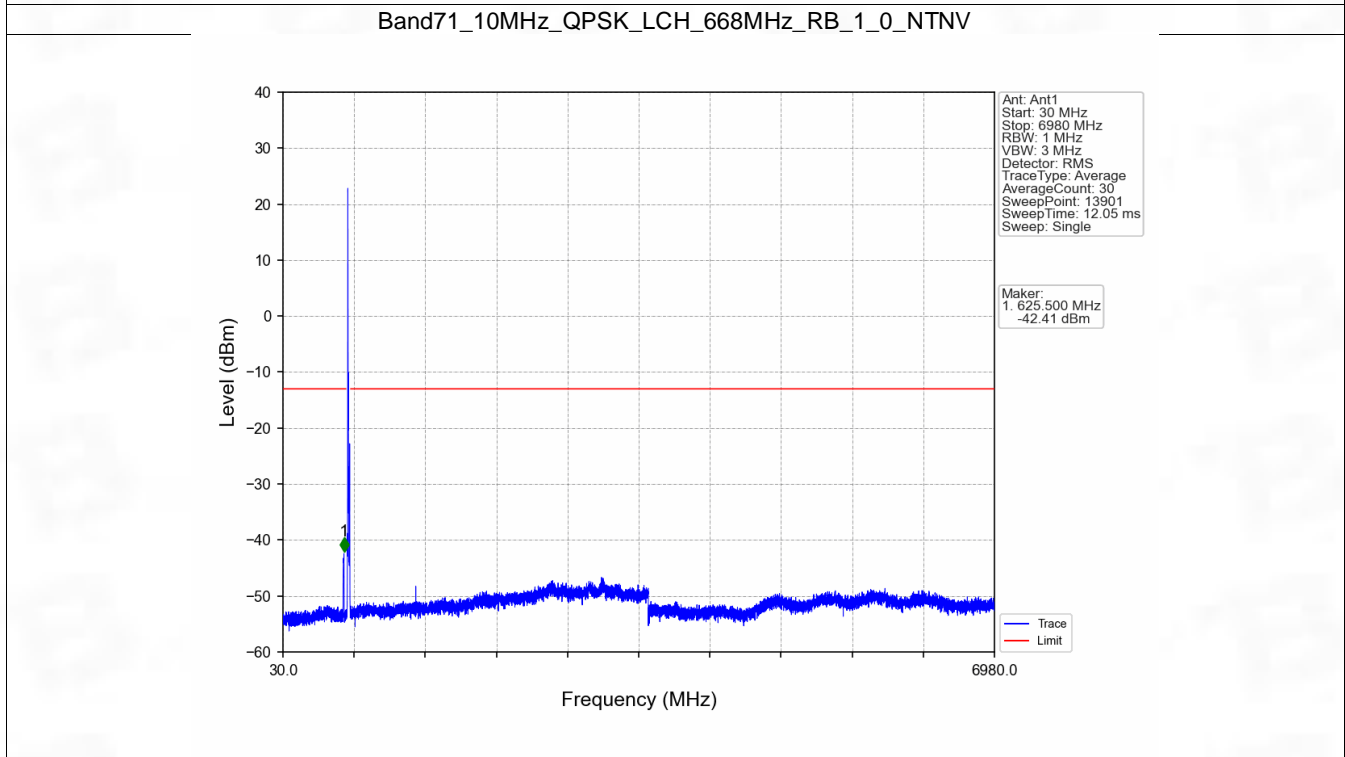
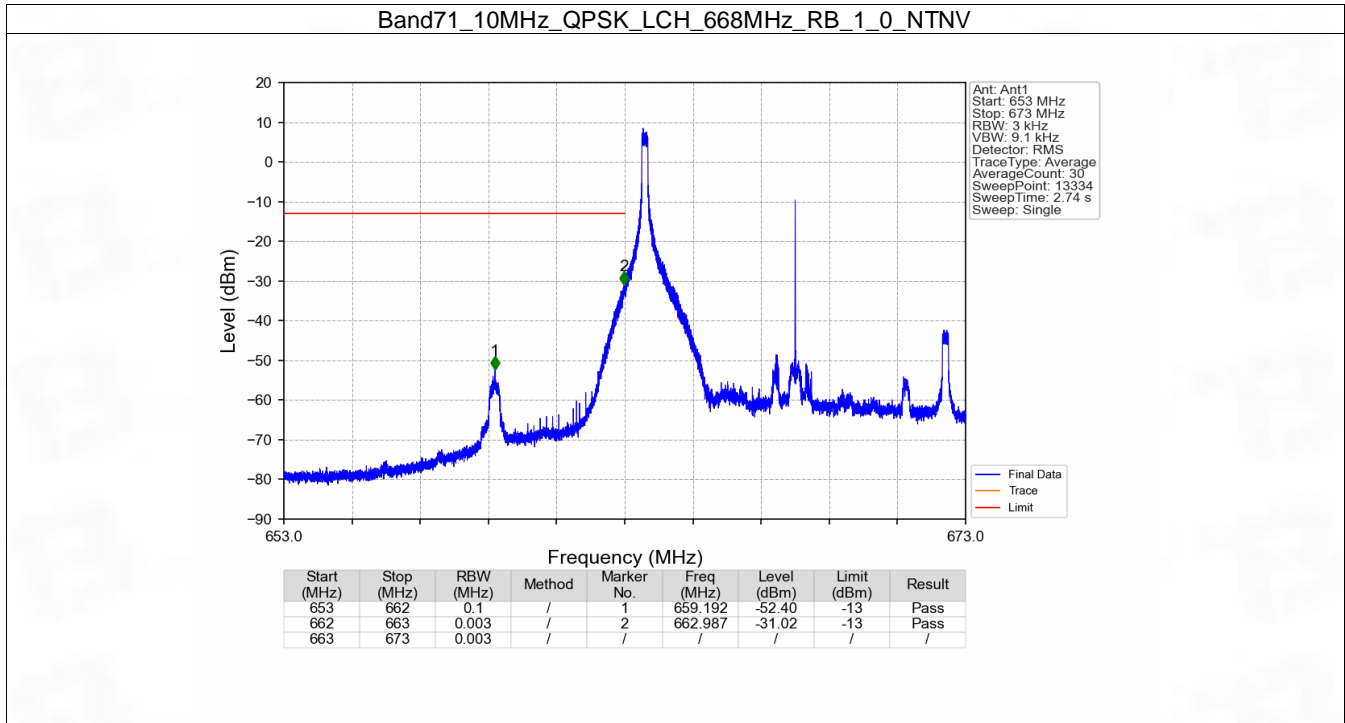


6.2 B71\_10MHz

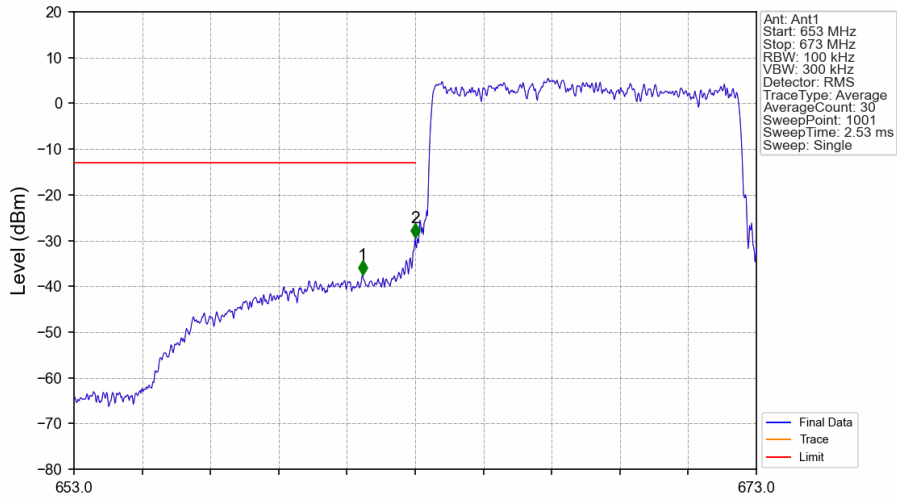
6.2.1 Test Result

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
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
			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
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.2.2 Test Graph

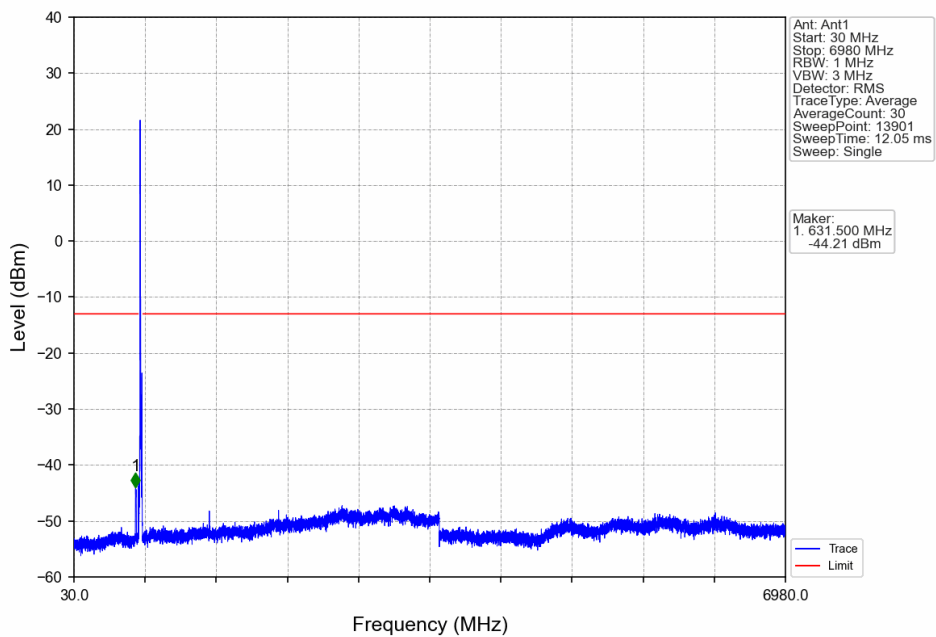


Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



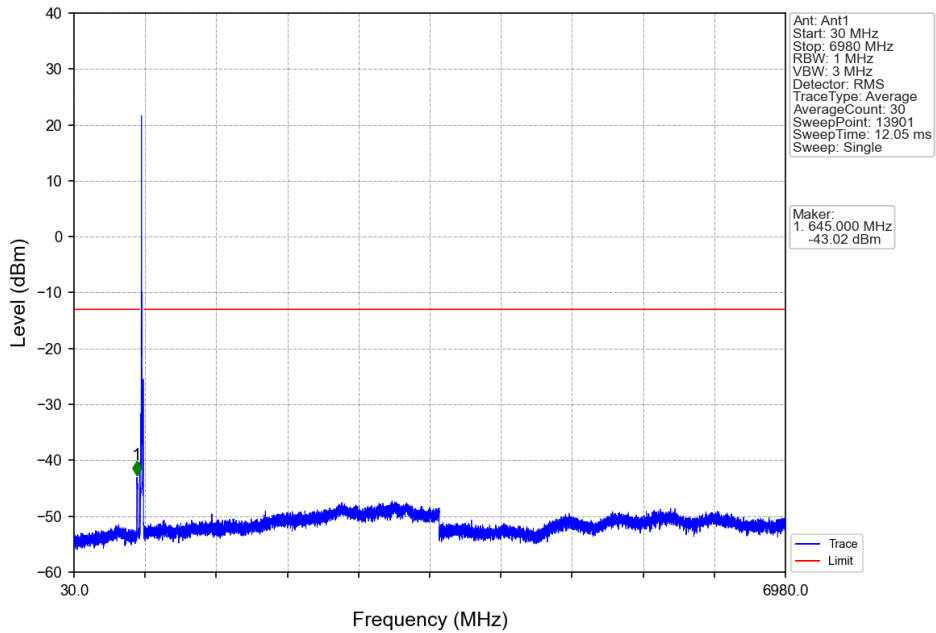
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.460	-37.51	-13	Pass
662	663	0.102	/	2	663.000	-29.41	-13	Pass
663	673	0.102	/	/	/	/	/	/

Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV

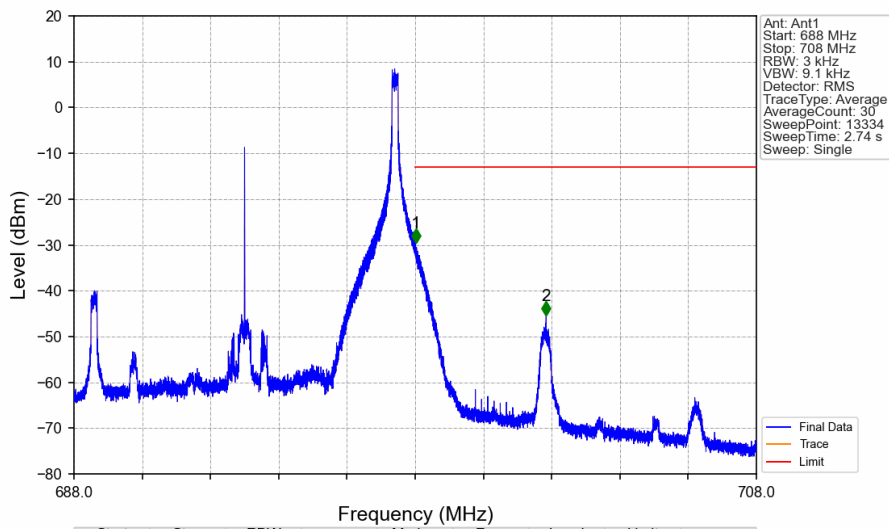


Marker	Freq (MHz)	Level (dBm)
1	631.500	-44.21

Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_0\_NTNV



Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.013	-29.55	-13	Pass
699	708	0.1	/	2	701.838	-45.49	-13	Pass