

# 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	22.51	2.65	23.01	<=34.77	Pass		
			13	22.72	2.65	23.22	<=34.77	Pass		
			24	22.64	2.65	23.14	<=34.77	Pass		
		12	0	21.70	2.65	22.20	<=34.77	Pass		
			6	21.67	2.65	22.17	<=34.77	Pass		
			13	21.60	2.65	22.10	<=34.77	Pass		
		25	0	21.68	2.65	22.18	<=34.77	Pass		
		680.5	1	0	22.58	2.65	23.08	<=34.77	Pass	
				13	22.69	2.65	23.19	<=34.77	Pass	
	24			22.63	2.65	23.13	<=34.77	Pass		
	12		0	21.74	2.65	22.24	<=34.77	Pass		
			6	21.74	2.65	22.24	<=34.77	Pass		
			13	21.70	2.65	22.20	<=34.77	Pass		
	25	0	21.76	2.65	22.26	<=34.77	Pass			
	695.5	1	0	22.72	2.65	23.22	<=34.77	Pass		
			13	22.84	2.65	23.34	<=34.77	Pass		
			24	22.67	2.65	23.17	<=34.77	Pass		
		12	0	22.07	2.65	22.57	<=34.77	Pass		
			6	22.01	2.65	22.51	<=34.77	Pass		
			13	21.96	2.65	22.46	<=34.77	Pass		
		25	0	22.07	2.65	22.57	<=34.77	Pass		
		16QAM	665.5	1	0	21.64	2.65	22.14	<=34.77	Pass
					13	21.90	2.65	22.40	<=34.77	Pass
	24				21.82	2.65	22.32	<=34.77	Pass	
12	0			20.62	2.65	21.12	<=34.77	Pass		
	6			20.58	2.65	21.08	<=34.77	Pass		
	13			20.56	2.65	21.06	<=34.77	Pass		
25	0			20.62	2.65	21.12	<=34.77	Pass		
680.5	1			0	21.81	2.65	22.31	<=34.77	Pass	
				13	21.90	2.65	22.40	<=34.77	Pass	
			24	21.82	2.65	22.32	<=34.77	Pass		
	12		0	20.68	2.65	21.18	<=34.77	Pass		
			6	20.70	2.65	21.20	<=34.77	Pass		
			13	20.65	2.65	21.15	<=34.77	Pass		
25	0		20.68	2.65	21.18	<=34.77	Pass			
695.5	1		0	21.92	2.65	22.42	<=34.77	Pass		
			13	22.18	2.65	22.68	<=34.77	Pass		
			24	22.21	2.65	22.71	<=34.77	Pass		
	12		0	21.06	2.65	21.56	<=34.77	Pass		
			6	21.04	2.65	21.54	<=34.77	Pass		
			13	20.97	2.65	21.47	<=34.77	Pass		
	25		0	21.00	2.65	21.50	<=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 / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	22.51	2.65	23.01	<=34.77	Pass
			25	22.83	2.65	23.33	<=34.77	Pass
			49	22.63	2.65	23.13	<=34.77	Pass
		25	0	21.80	2.65	22.30	<=34.77	Pass
			13	21.77	2.65	22.27	<=34.77	Pass
			25	22.05	2.65	22.55	<=34.77	Pass
	50	0	21.91	2.65	22.41	<=34.77	Pass	
	680.5	1	0	22.59	2.65	23.09	<=34.77	Pass
			25	22.85	2.65	23.35	<=34.77	Pass
			49	22.69	2.65	23.19	<=34.77	Pass
		25	0	22.00	2.65	22.50	<=34.77	Pass
			13	21.80	2.65	22.30	<=34.77	Pass
			25	21.89	2.65	22.39	<=34.77	Pass
	50	0	21.93	2.65	22.43	<=34.77	Pass	
	693	1	0	22.64	2.65	23.14	<=34.77	Pass
			25	22.98	2.65	23.48	<=34.77	Pass
			49	22.87	2.65	23.37	<=34.77	Pass
		25	0	22.04	2.65	22.54	<=34.77	Pass
13			21.94	2.65	22.44	<=34.77	Pass	
25			21.80	2.65	22.30	<=34.77	Pass	
50	0	21.95	2.65	22.45	<=34.77	Pass		
16QAM	668	1	0	21.59	2.65	22.09	<=34.77	Pass
			25	21.96	2.65	22.46	<=34.77	Pass
			49	21.72	2.65	22.22	<=34.77	Pass
		25	0	20.76	2.65	21.26	<=34.77	Pass
			13	20.71	2.65	21.21	<=34.77	Pass
			25	20.99	2.65	21.49	<=34.77	Pass
	50	0	20.86	2.65	21.36	<=34.77	Pass	
	680.5	1	0	21.61	2.65	22.11	<=34.77	Pass
			25	21.91	2.65	22.41	<=34.77	Pass
			49	21.71	2.65	22.21	<=34.77	Pass
		25	0	20.98	2.65	21.48	<=34.77	Pass
			13	20.80	2.65	21.30	<=34.77	Pass
			25	20.88	2.65	21.38	<=34.77	Pass
	50	0	20.87	2.65	21.37	<=34.77	Pass	
	693	1	0	21.76	2.65	22.26	<=34.77	Pass
			25	22.15	2.65	22.65	<=34.77	Pass
			49	22.22	2.65	22.72	<=34.77	Pass
		25	0	21.00	2.65	21.50	<=34.77	Pass
13			20.90	2.65	21.40	<=34.77	Pass	
25			20.77	2.65	21.27	<=34.77	Pass	
50	0	20.85	2.65	21.35	<=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 / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	670.5	1	0	22.38	2.65	22.88	<=34.77	Pass	
			38	22.62	2.65	23.12	<=34.77	Pass	
			74	22.49	2.65	22.99	<=34.77	Pass	
		36	0	21.61	2.65	22.11	<=34.77	Pass	
			18	21.69	2.65	22.19	<=34.77	Pass	
			39	21.67	2.65	22.17	<=34.77	Pass	
		75	0	21.68	2.65	22.18	<=34.77	Pass	
		680.5	1	0	22.42	2.65	22.92	<=34.77	Pass
				38	22.69	2.65	23.19	<=34.77	Pass
	74			22.54	2.65	23.04	<=34.77	Pass	
	36		0	21.89	2.65	22.39	<=34.77	Pass	
			18	21.76	2.65	22.26	<=34.77	Pass	
			39	21.89	2.65	22.39	<=34.77	Pass	
	75		0	21.95	2.65	22.45	<=34.77	Pass	
	690.5		1	0	22.43	2.65	22.93	<=34.77	Pass
				38	22.80	2.65	23.30	<=34.77	Pass
		74		22.85	2.65	23.35	<=34.77	Pass	
		36	0	21.58	2.65	22.08	<=34.77	Pass	
18			21.89	2.65	22.39	<=34.77	Pass		
39			21.76	2.65	22.26	<=34.77	Pass		
75		0	21.66	2.65	22.16	<=34.77	Pass		
16QAM		670.5	1	0	21.71	2.65	22.21	<=34.77	Pass
				38	22.02	2.65	22.52	<=34.77	Pass
	74			21.97	2.65	22.47	<=34.77	Pass	
	36		0	20.55	2.65	21.05	<=34.77	Pass	
			18	20.59	2.65	21.09	<=34.77	Pass	
			39	20.55	2.65	21.05	<=34.77	Pass	
	75		0	20.53	2.65	21.03	<=34.77	Pass	
	680.5		1	0	21.42	2.65	21.92	<=34.77	Pass
				38	21.76	2.65	22.26	<=34.77	Pass
		74		21.58	2.65	22.08	<=34.77	Pass	
		36	0	20.84	2.65	21.34	<=34.77	Pass	
			18	20.71	2.65	21.21	<=34.77	Pass	
			39	20.84	2.65	21.34	<=34.77	Pass	
		75	0	20.87	2.65	21.37	<=34.77	Pass	
		690.5	1	0	21.67	2.65	22.17	<=34.77	Pass
				38	21.89	2.65	22.39	<=34.77	Pass
	74			22.08	2.65	22.58	<=34.77	Pass	
	36		0	20.49	2.65	20.99	<=34.77	Pass	
18			20.79	2.65	21.29	<=34.77	Pass		
39			20.73	2.65	21.23	<=34.77	Pass		
75	0		20.58	2.65	21.08	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B71\_20MHz\_ERP

1.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	673	1	0	22.48	2.65	22.98	<=34.77	Pass		
			50	22.76	2.65	23.26	<=34.77	Pass		
			99	22.40	2.65	22.90	<=34.77	Pass		
		50	0	21.34	2.65	21.84	<=34.77	Pass		
			25	21.58	2.65	22.08	<=34.77	Pass		
			50	21.35	2.65	21.85	<=34.77	Pass		
		100	0	21.37	2.65	21.87	<=34.77	Pass		
		683	1	0	22.22	2.65	22.72	<=34.77	Pass	
				50	22.79	2.65	23.29	<=34.77	Pass	
	99			22.51	2.65	23.01	<=34.77	Pass		
	50		0	22.11	2.65	22.61	<=34.77	Pass		
			25	21.78	2.65	22.28	<=34.77	Pass		
			50	22.04	2.65	22.54	<=34.77	Pass		
	100		0	22.01	2.65	22.51	<=34.77	Pass		
	688		1	0	22.20	2.65	22.70	<=34.77	Pass	
				50	22.69	2.65	23.19	<=34.77	Pass	
		99		22.65	2.65	23.15	<=34.77	Pass		
		50	0	21.44	2.65	21.94	<=34.77	Pass		
			25	21.67	2.65	22.17	<=34.77	Pass		
			50	21.48	2.65	21.98	<=34.77	Pass		
		100	0	21.43	2.65	21.93	<=34.77	Pass		
		16QAM	673	1	0	21.35	2.65	21.85	<=34.77	Pass
					50	21.90	2.65	22.40	<=34.77	Pass
	99				21.62	2.65	22.12	<=34.77	Pass	
50	0			20.28	2.65	20.78	<=34.77	Pass		
	25			20.54	2.65	21.04	<=34.77	Pass		
	50			20.27	2.65	20.77	<=34.77	Pass		
100	0			20.30	2.65	20.80	<=34.77	Pass		
683	1			0	21.38	2.65	21.88	<=34.77	Pass	
				50	22.14	2.65	22.64	<=34.77	Pass	
			99	21.67	2.65	22.17	<=34.77	Pass		
	50		0	21.01	2.65	21.51	<=34.77	Pass		
			25	20.69	2.65	21.19	<=34.77	Pass		
			50	21.04	2.65	21.54	<=34.77	Pass		
	100		0	21.01	2.65	21.51	<=34.77	Pass		
	688		1	0	21.67	2.65	22.17	<=34.77	Pass	
				50	22.07	2.65	22.57	<=34.77	Pass	
99				22.10	2.65	22.60	<=34.77	Pass		
50			0	20.37	2.65	20.87	<=34.77	Pass		
			25	20.62	2.65	21.12	<=34.77	Pass		
			50	20.44	2.65	20.94	<=34.77	Pass		
100			0	20.36	2.65	20.86	<=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	-10.829	-0.0163	-2.5 to 2.5	Pass
					3.85	-3.791	-0.0057	-2.5 to 2.5	Pass
					4.43	-3.905	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-11.859	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-6.323	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-10.371	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-11.072	-0.0166	-2.5 to 2.5	Pass
				10	3.85	-7.625	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-3.018	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.520	-0.0068	-2.5 to 2.5	Pass
	50	3.85	-5.250	-0.0079	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-10.743	-0.0158	-2.5 to 2.5	Pass
					3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
					4.43	-1.302	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-11.244	-0.0165	-2.5 to 2.5	Pass
				-20	3.85	-6.094	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-10.471	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-8.197	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-3.290	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-5.007	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0059	-2.5 to 2.5	Pass
	50	3.85	-10.028	-0.0147	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-4.749	-0.0068	-2.5 to 2.5	Pass
					3.85	-7.567	-0.0109	-2.5 to 2.5	Pass
					4.43	-5.250	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	1.502	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-8.340	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-8.411	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-7.310	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-7.768	-0.0112	-2.5 to 2.5	Pass
30				3.85	-9.956	-0.0143	-2.5 to 2.5	Pass	
40				3.85	-8.726	-0.0125	-2.5 to 2.5	Pass	
50	3.85	-8.469	-0.0122	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-8.469	-0.0127	-2.5 to 2.5	Pass
					3.85	-9.027	-0.0136	-2.5 to 2.5	Pass
					4.43	-8.426	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-7.782	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-10.829	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-5.751	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-9.842	-0.0148	-2.5 to 2.5	Pass
				40	3.85	-7.095	-0.0107	-2.5 to 2.5	Pass
	50	3.85	-6.251	-0.0094	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-7.539	-0.0111	-2.5 to 2.5	Pass
					3.85	-7.625	-0.0112	-2.5 to 2.5	Pass

					4.43	-8.712	-0.0128	-2.5 to 2.5	Pass			
				-30	3.85	-6.180	-0.0091	-2.5 to 2.5	Pass			
				-20	3.85	-4.892	-0.0072	-2.5 to 2.5	Pass			
				-10	3.85	-10.271	-0.0151	-2.5 to 2.5	Pass			
				0	3.85	-8.569	-0.0126	-2.5 to 2.5	Pass			
				10	3.85	-7.567	-0.0111	-2.5 to 2.5	Pass			
				30	3.85	-5.207	-0.0077	-2.5 to 2.5	Pass			
				40	3.85	-6.108	-0.0090	-2.5 to 2.5	Pass			
				50	3.85	-3.161	-0.0046	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-11.272	-0.0162	-2.5 to 2.5	Pass			
3.85					-9.956	-0.0143	-2.5 to 2.5	Pass				
4.43					-0.257	-0.0004	-2.5 to 2.5	Pass				
							-30	3.85	-5.665	-0.0081	-2.5 to 2.5	Pass
							-20	3.85	-2.432	-0.0035	-2.5 to 2.5	Pass
							-10	3.85	-7.696	-0.0111	-2.5 to 2.5	Pass
							0	3.85	-11.601	-0.0167	-2.5 to 2.5	Pass
							10	3.85	-3.605	-0.0052	-2.5 to 2.5	Pass
							30	3.85	-9.241	-0.0133	-2.5 to 2.5	Pass
							40	3.85	-8.755	-0.0126	-2.5 to 2.5	Pass
							50	3.85	-8.211	-0.0118	-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	-8.726	-0.0131	-2.5 to 2.5	Pass				
					3.85	-5.021	-0.0075	-2.5 to 2.5	Pass				
					4.43	-5.264	-0.0079	-2.5 to 2.5	Pass				
								-30	3.85	-6.995	-0.0105	-2.5 to 2.5	Pass
								-20	3.85	-10.929	-0.0164	-2.5 to 2.5	Pass
								-10	3.85	-7.839	-0.0117	-2.5 to 2.5	Pass
								0	3.85	-8.082	-0.0121	-2.5 to 2.5	Pass
								10	3.85	-6.666	-0.0100	-2.5 to 2.5	Pass
								30	3.85	-8.397	-0.0126	-2.5 to 2.5	Pass
								40	3.85	-5.736	-0.0086	-2.5 to 2.5	Pass
								50	3.85	-7.539	-0.0113	-2.5 to 2.5	Pass
					680.5	50	0	20	3.27	-6.824	-0.0100	-2.5 to 2.5	Pass
				3.85					-5.736	-0.0084	-2.5 to 2.5	Pass	
				4.43					-3.319	-0.0049	-2.5 to 2.5	Pass	
											-30	3.85	-6.495
								-20	3.85	-7.997	-0.0118	-2.5 to 2.5	Pass
								-10	3.85	-5.679	-0.0083	-2.5 to 2.5	Pass
								0	3.85	-5.479	-0.0081	-2.5 to 2.5	Pass
								10	3.85	-6.423	-0.0094	-2.5 to 2.5	Pass
								30	3.85	-6.351	-0.0093	-2.5 to 2.5	Pass
								40	3.85	-3.490	-0.0051	-2.5 to 2.5	Pass
								50	3.85	-5.007	-0.0074	-2.5 to 2.5	Pass
		693	50	0				20	3.27	-9.785	-0.0141	-2.5 to 2.5	Pass
	3.85								-8.912	-0.0129	-2.5 to 2.5	Pass	
	4.43								-4.020	-0.0058	-2.5 to 2.5	Pass	
											-30	3.85	-9.069
								-20	3.85	-10.314	-0.0149	-2.5 to 2.5	Pass

				-10	3.85	-8.826	-0.0127	-2.5 to 2.5	Pass			
				0	3.85	-7.238	-0.0104	-2.5 to 2.5	Pass			
				10	3.85	-7.668	-0.0111	-2.5 to 2.5	Pass			
				30	3.85	-8.469	-0.0122	-2.5 to 2.5	Pass			
				40	3.85	-7.181	-0.0104	-2.5 to 2.5	Pass			
				50	3.85	-7.811	-0.0113	-2.5 to 2.5	Pass			
16QAM	668	50	0	20	3.27	-8.955	-0.0134	-2.5 to 2.5	Pass			
					3.85	-7.896	-0.0118	-2.5 to 2.5	Pass			
					4.43	-6.666	-0.0100	-2.5 to 2.5	Pass			
				-30	3.85	-5.937	-0.0089	-2.5 to 2.5	Pass			
				-20	3.85	-7.596	-0.0114	-2.5 to 2.5	Pass			
				-10	3.85	-5.708	-0.0085	-2.5 to 2.5	Pass			
				0	3.85	-10.457	-0.0157	-2.5 to 2.5	Pass			
				10	3.85	-5.050	-0.0076	-2.5 to 2.5	Pass			
				30	3.85	-5.651	-0.0085	-2.5 to 2.5	Pass			
				40	3.85	-8.554	-0.0128	-2.5 to 2.5	Pass			
				50	3.85	-7.567	-0.0113	-2.5 to 2.5	Pass			
				680.5	50	0	20	3.27	-2.732	-0.0040	-2.5 to 2.5	Pass
								3.85	-4.320	-0.0063	-2.5 to 2.5	Pass
								4.43	-2.217	-0.0033	-2.5 to 2.5	Pass
							-30	3.85	-4.106	-0.0060	-2.5 to 2.5	Pass
	-20	3.85	-4.778				-0.0070	-2.5 to 2.5	Pass			
	-10	3.85	-7.896				-0.0116	-2.5 to 2.5	Pass			
	0	3.85	-7.739				-0.0114	-2.5 to 2.5	Pass			
	10	3.85	-6.881				-0.0101	-2.5 to 2.5	Pass			
	30	3.85	-7.925				-0.0116	-2.5 to 2.5	Pass			
	40	3.85	-5.250				-0.0077	-2.5 to 2.5	Pass			
	50	3.85	-5.307				-0.0078	-2.5 to 2.5	Pass			
	693	50	0				20	3.27	-8.569	-0.0124	-2.5 to 2.5	Pass
								3.85	-8.225	-0.0119	-2.5 to 2.5	Pass
								4.43	-9.198	-0.0133	-2.5 to 2.5	Pass
							-30	3.85	-4.692	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-6.609	-0.0095	-2.5 to 2.5	Pass			
				-10	3.85	-8.154	-0.0118	-2.5 to 2.5	Pass			
				0	3.85	-6.967	-0.0101	-2.5 to 2.5	Pass			
				10	3.85	-8.254	-0.0119	-2.5 to 2.5	Pass			
30				3.85	-4.692	-0.0068	-2.5 to 2.5	Pass				
40				3.85	-9.069	-0.0131	-2.5 to 2.5	Pass				
50				3.85	-8.054	-0.0116	-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	-7.653	-0.0114	-2.5 to 2.5	Pass
					3.85	-7.052	-0.0105	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-7.896	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-9.670	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0096	-2.5 to 2.5	Pass

	680.5	75	0	30	3.85	-6.638	-0.0099	-2.5 to 2.5	Pass	
				40	3.85	-9.556	-0.0143	-2.5 to 2.5	Pass	
				50	3.85	-5.050	-0.0075	-2.5 to 2.5	Pass	
				20	3.27	-7.153	-0.0105	-2.5 to 2.5	Pass	
					3.85	-7.353	-0.0108	-2.5 to 2.5	Pass	
					4.43	-3.047	-0.0045	-2.5 to 2.5	Pass	
				-30	3.85	-5.593	-0.0082	-2.5 to 2.5	Pass	
				-20	3.85	-6.466	-0.0095	-2.5 to 2.5	Pass	
				-10	3.85	-7.238	-0.0106	-2.5 to 2.5	Pass	
				0	3.85	-7.524	-0.0111	-2.5 to 2.5	Pass	
				10	3.85	-9.112	-0.0134	-2.5 to 2.5	Pass	
				30	3.85	-7.138	-0.0105	-2.5 to 2.5	Pass	
	40	3.85	-6.080	-0.0089	-2.5 to 2.5	Pass				
	50	3.85	-7.596	-0.0112	-2.5 to 2.5	Pass				
	690.5	75	0	20	3.27	-6.080	-0.0088	-2.5 to 2.5	Pass	
					3.85	-4.549	-0.0066	-2.5 to 2.5	Pass	
					4.43	-5.550	-0.0080	-2.5 to 2.5	Pass	
				-30	3.85	-5.579	-0.0081	-2.5 to 2.5	Pass	
				-20	3.85	-6.194	-0.0090	-2.5 to 2.5	Pass	
				-10	3.85	-2.389	-0.0035	-2.5 to 2.5	Pass	
				0	3.85	-4.821	-0.0070	-2.5 to 2.5	Pass	
				10	3.85	-2.203	-0.0032	-2.5 to 2.5	Pass	
				30	3.85	-3.047	-0.0044	-2.5 to 2.5	Pass	
				40	3.85	-10.157	-0.0147	-2.5 to 2.5	Pass	
				50	3.85	-4.377	-0.0063	-2.5 to 2.5	Pass	
				16QAM	670.5	75	0	20	3.27	-6.967
	3.85	-7.968	-0.0119						-2.5 to 2.5	Pass
	4.43	-8.698	-0.0130						-2.5 to 2.5	Pass
	-30	3.85	-7.381					-0.0110	-2.5 to 2.5	Pass
	-20	3.85	-7.453					-0.0111	-2.5 to 2.5	Pass
-10	3.85	-9.670	-0.0144					-2.5 to 2.5	Pass	
0	3.85	-8.669	-0.0129					-2.5 to 2.5	Pass	
10	3.85	-7.167	-0.0107					-2.5 to 2.5	Pass	
30	3.85	-7.539	-0.0112					-2.5 to 2.5	Pass	
40	3.85	-7.010	-0.0105					-2.5 to 2.5	Pass	
50	3.85	-6.723	-0.0100					-2.5 to 2.5	Pass	
680.5	75	0	20					3.27	-6.924	-0.0102
					3.85	-7.310	-0.0107	-2.5 to 2.5	Pass	
					4.43	-6.123	-0.0090	-2.5 to 2.5	Pass	
			-30		3.85	-6.266	-0.0092	-2.5 to 2.5	Pass	
			-20		3.85	-8.612	-0.0127	-2.5 to 2.5	Pass	
			-10		3.85	-7.796	-0.0115	-2.5 to 2.5	Pass	
			0		3.85	-6.452	-0.0095	-2.5 to 2.5	Pass	
			10		3.85	-8.612	-0.0127	-2.5 to 2.5	Pass	
			30		3.85	-5.751	-0.0085	-2.5 to 2.5	Pass	
			40		3.85	-8.626	-0.0127	-2.5 to 2.5	Pass	
			50		3.85	-9.184	-0.0135	-2.5 to 2.5	Pass	
			690.5		75	0	20	3.27	-7.610	-0.0110
3.85	-7.153	-0.0104						-2.5 to 2.5	Pass	
4.43	-5.808	-0.0084						-2.5 to 2.5	Pass	
-30	3.85	-7.567					-0.0110	-2.5 to 2.5	Pass	
-20	3.85	-8.497					-0.0123	-2.5 to 2.5	Pass	
-10	3.85	-7.095					-0.0103	-2.5 to 2.5	Pass	
0	3.85	-9.112					-0.0132	-2.5 to 2.5	Pass	
10	3.85	-7.181					-0.0104	-2.5 to 2.5	Pass	
30	3.85	-10.014		-0.0145			-2.5 to 2.5	Pass		
40	3.85	-4.764		-0.0069			-2.5 to 2.5	Pass		



				50	3.85	-5.851	-0.0085	-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	-7.410	-0.0110	-2.5 to 2.5	Pass
					3.85	-6.680	-0.0099	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-6.266	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-9.670	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-9.556	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-7.195	-0.0107	-2.5 to 2.5	Pass
	50	3.85	-11.244	-0.0167	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-6.852	-0.0100	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0075	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-6.266	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-5.593	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-7.267	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-3.719	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0045	-2.5 to 2.5	Pass
	50	3.85	-3.948	-0.0058	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-7.253	-0.0105	-2.5 to 2.5	Pass
					3.85	-5.379	-0.0078	-2.5 to 2.5	Pass
					4.43	-6.151	-0.0089	-2.5 to 2.5	Pass
				-30	3.85	-7.238	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-8.311	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-6.952	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-8.755	-0.0127	-2.5 to 2.5	Pass
30				3.85	-6.580	-0.0096	-2.5 to 2.5	Pass	
40				3.85	-7.353	-0.0107	-2.5 to 2.5	Pass	
50	3.85	-9.427	-0.0137	-2.5 to 2.5	Pass				
16QAM	673	100	0	20	3.27	-7.367	-0.0109	-2.5 to 2.5	Pass
					3.85	-6.094	-0.0091	-2.5 to 2.5	Pass
					4.43	-7.210	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-6.523	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	-5.994	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-9.756	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-7.882	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-10.629	-0.0158	-2.5 to 2.5	Pass
	50	3.85	-8.140	-0.0121	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-7.424	-0.0109	-2.5 to 2.5	Pass
					3.85	-5.879	-0.0086	-2.5 to 2.5	Pass

					4.43	-5.350	-0.0078	-2.5 to 2.5	Pass			
				-30	3.85	-5.522	-0.0081	-2.5 to 2.5	Pass			
				-20	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass			
				-10	3.85	-4.406	-0.0065	-2.5 to 2.5	Pass			
				0	3.85	-3.777	-0.0055	-2.5 to 2.5	Pass			
				10	3.85	-5.922	-0.0087	-2.5 to 2.5	Pass			
				30	3.85	-5.565	-0.0081	-2.5 to 2.5	Pass			
				40	3.85	-5.522	-0.0081	-2.5 to 2.5	Pass			
				50	3.85	-6.323	-0.0093	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-9.084	-0.0132	-2.5 to 2.5	Pass			
3.85					-7.238	-0.0105	-2.5 to 2.5	Pass				
4.43					-7.710	-0.0112	-2.5 to 2.5	Pass				
							-30	3.85	-8.240	-0.0120	-2.5 to 2.5	Pass
							-20	3.85	-8.440	-0.0123	-2.5 to 2.5	Pass
							-10	3.85	-6.194	-0.0090	-2.5 to 2.5	Pass
							0	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass
							10	3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
							30	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass
							40	3.85	-6.151	-0.0089	-2.5 to 2.5	Pass
							50	3.85	-5.937	-0.0086	-2.5 to 2.5	Pass

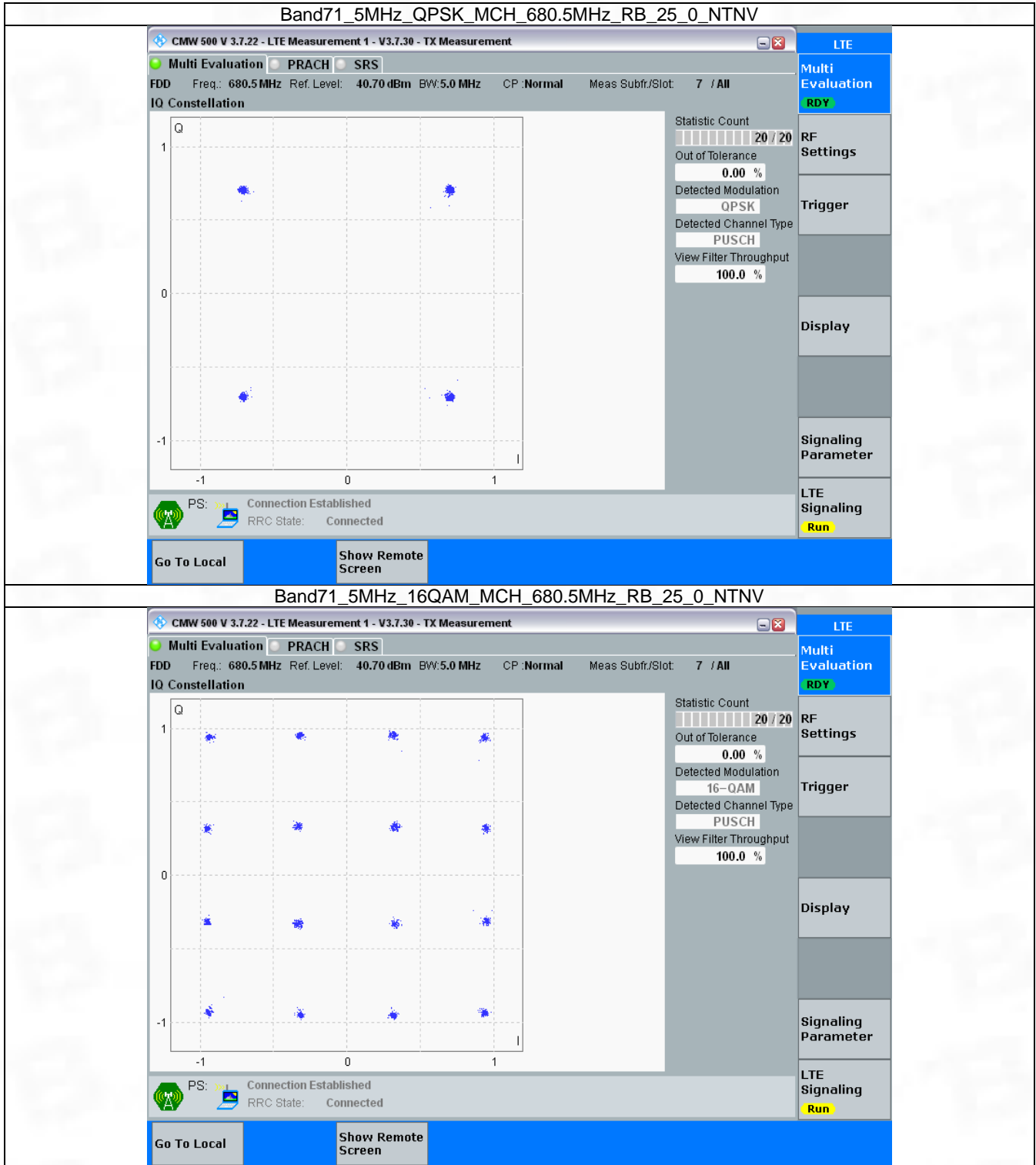
### 3. Modulation Characteristics

#### 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

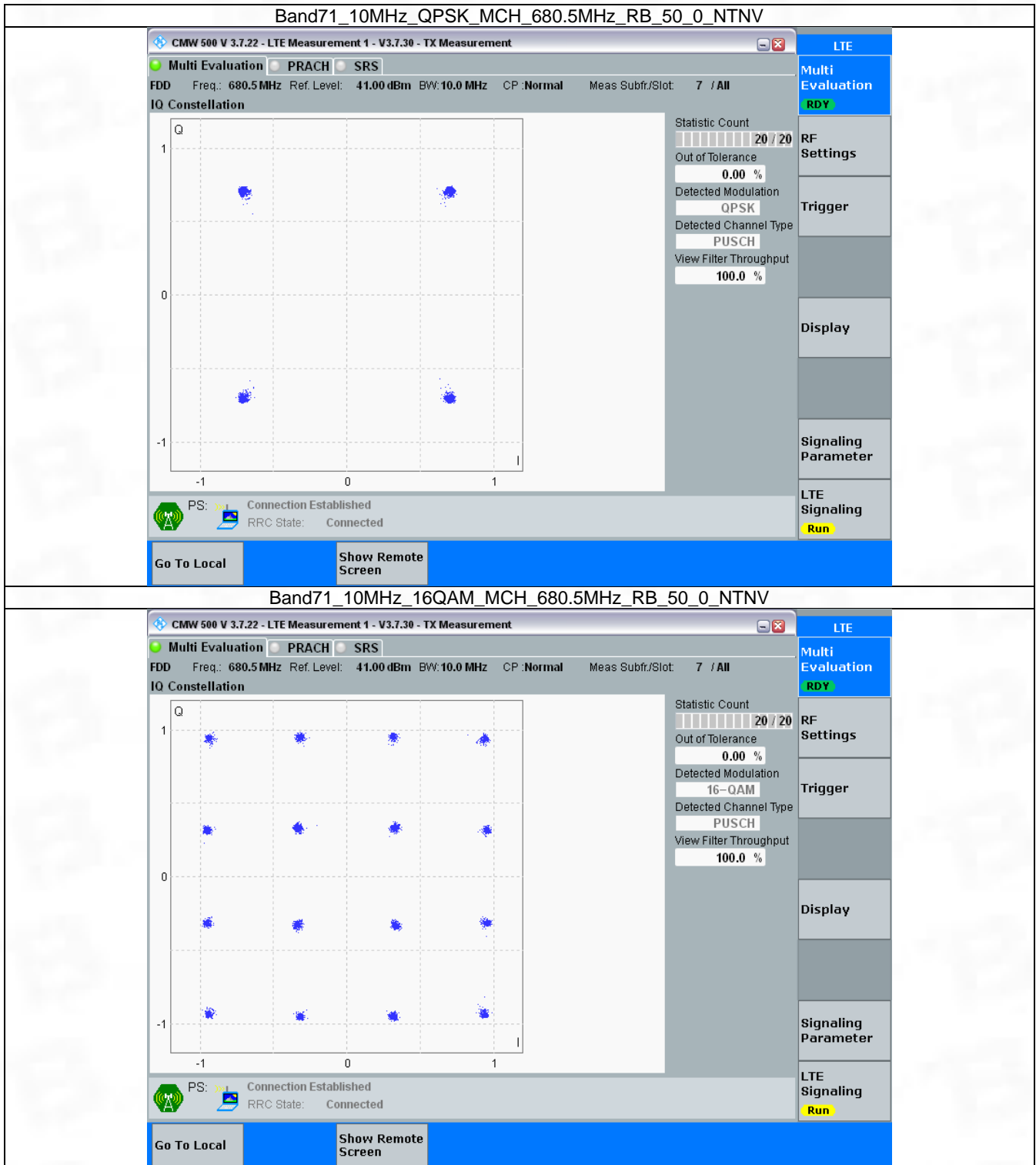


### 3.2 B71\_10MHz

#### 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

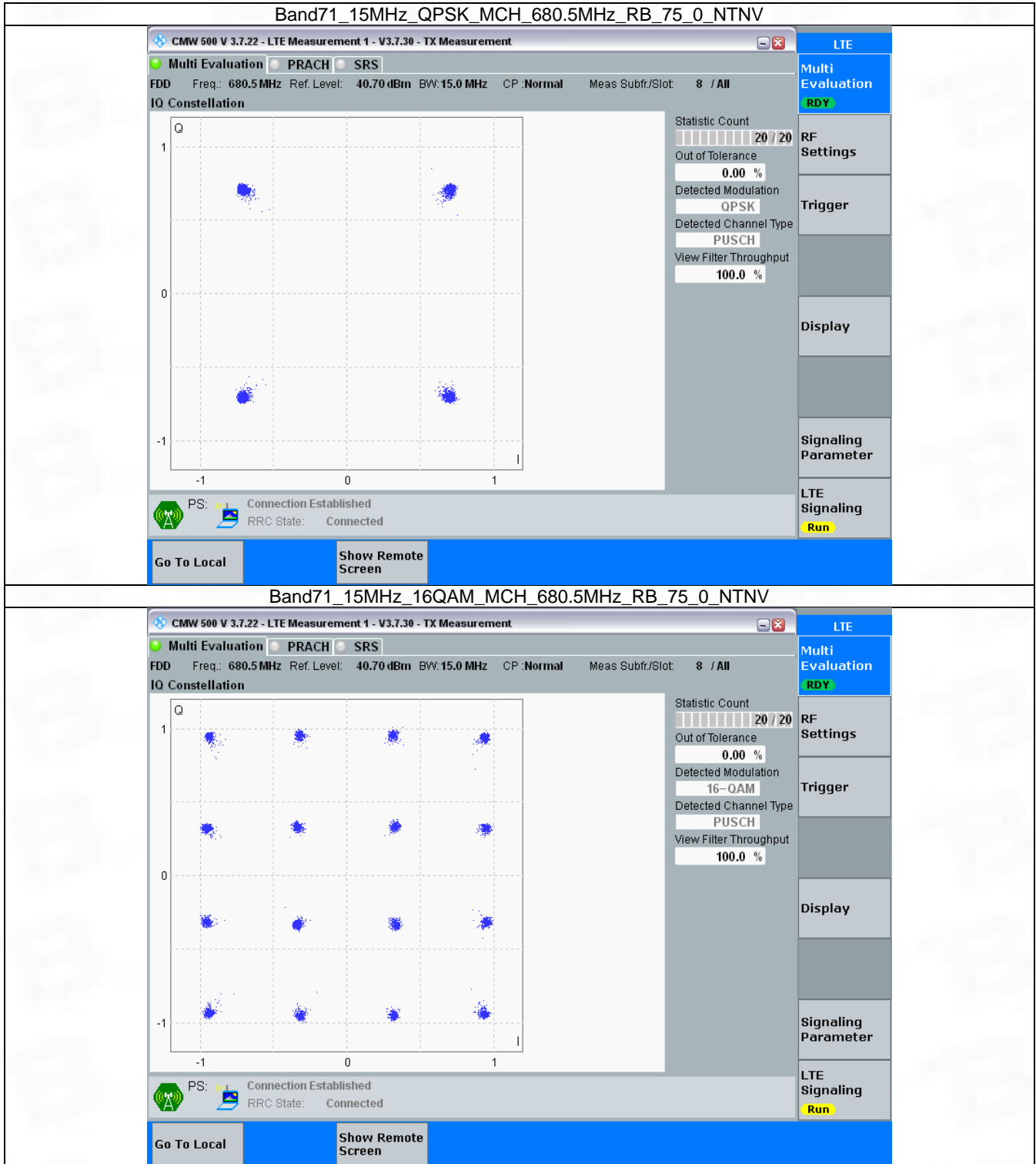


### 3.3 B71\_15MHz

#### 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



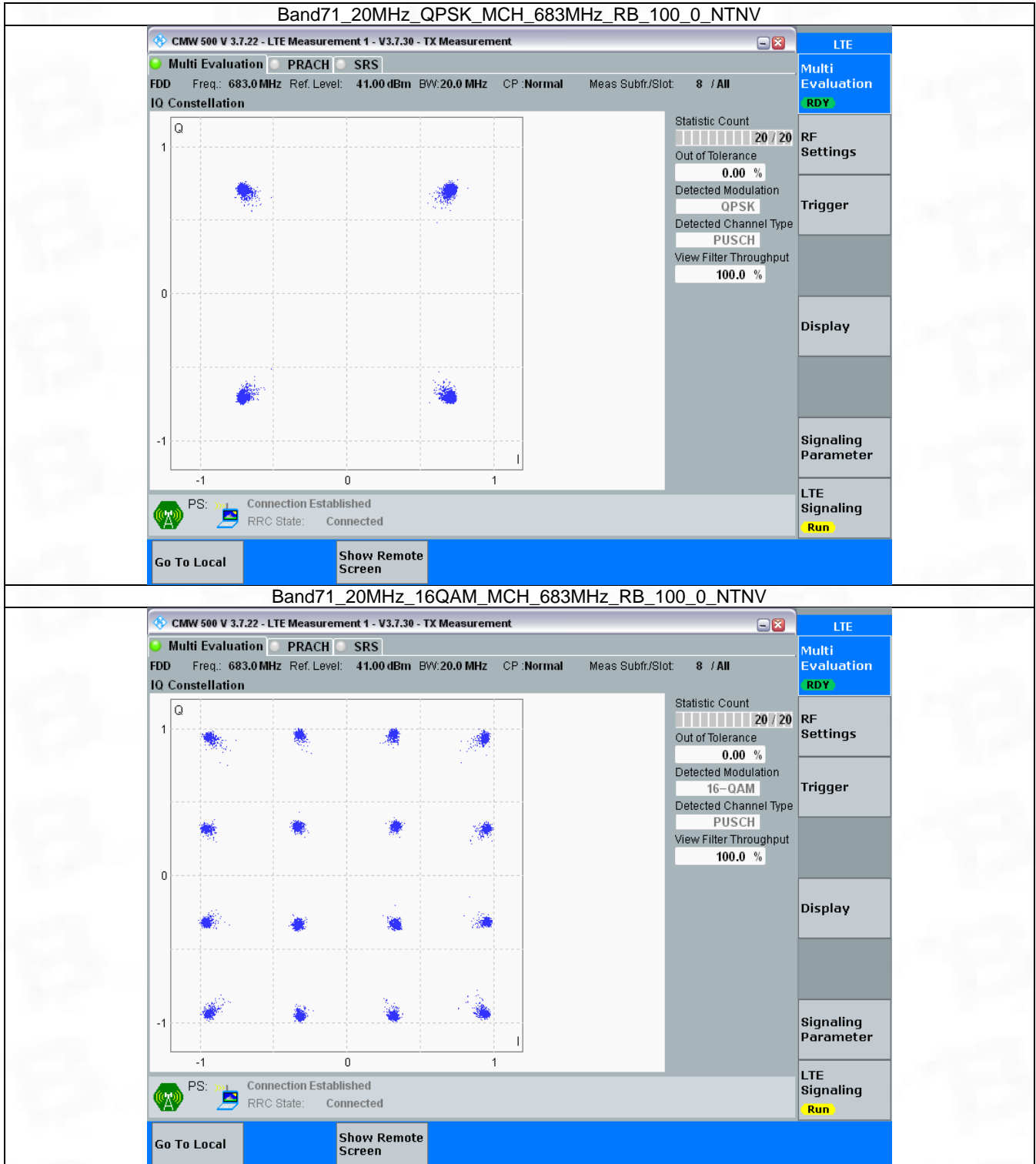
### 3.4 B71\_20MHz

#### 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



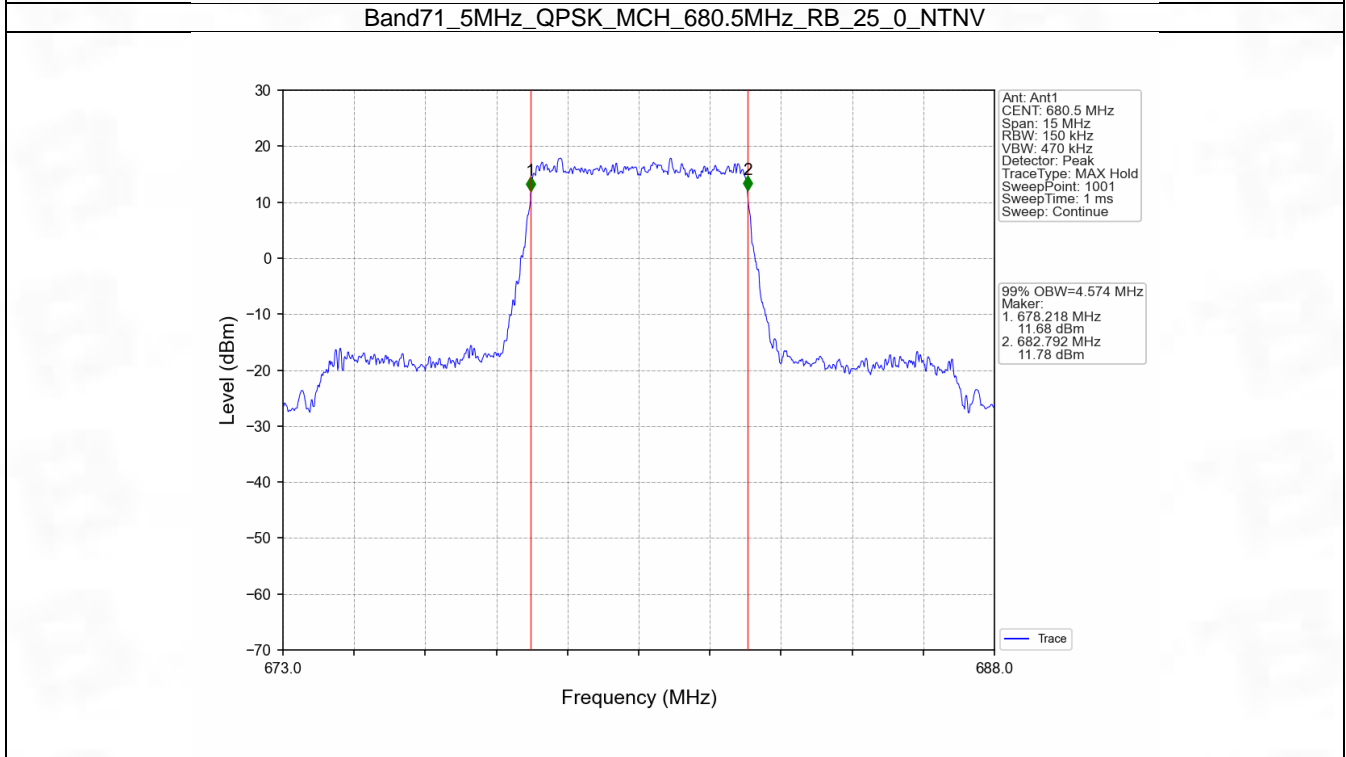
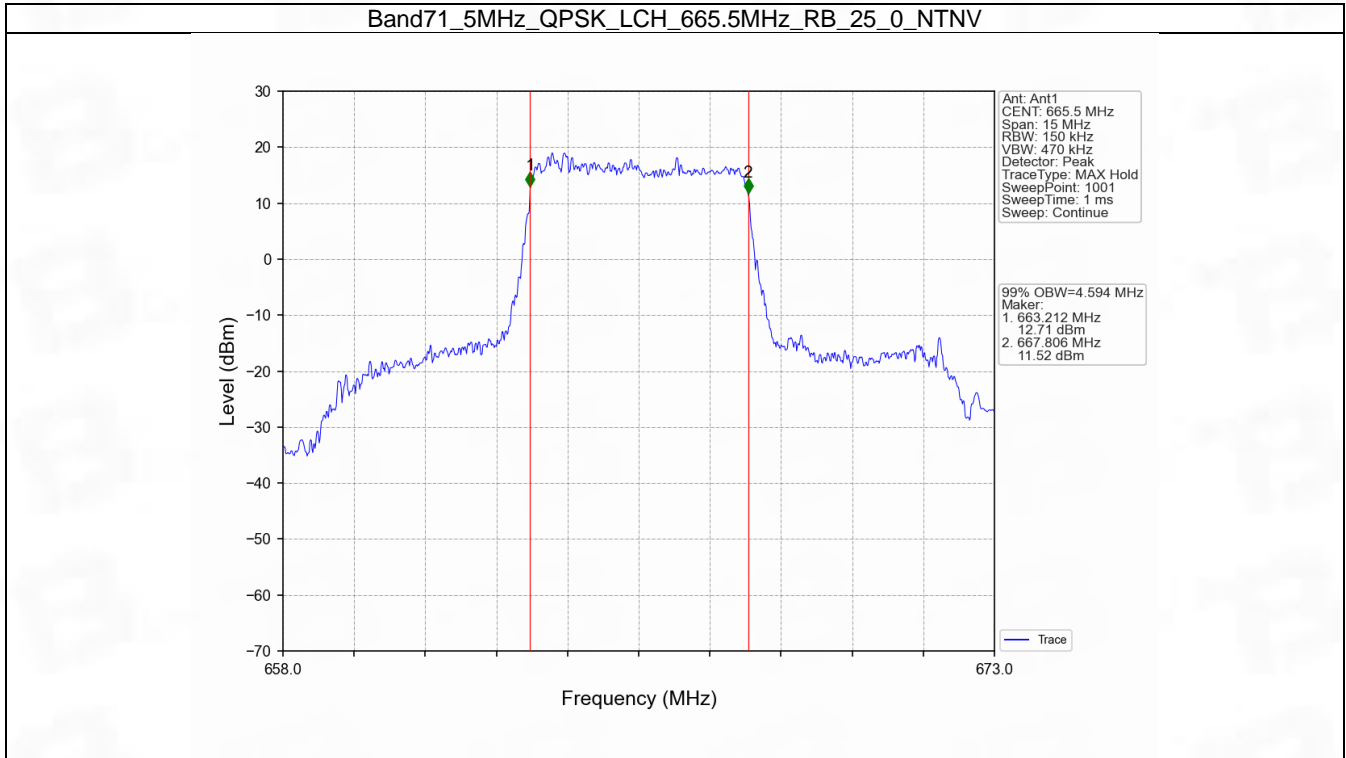
## 4. 99% & 26dB Bandwidth

### 4.1 Band71\_OBW

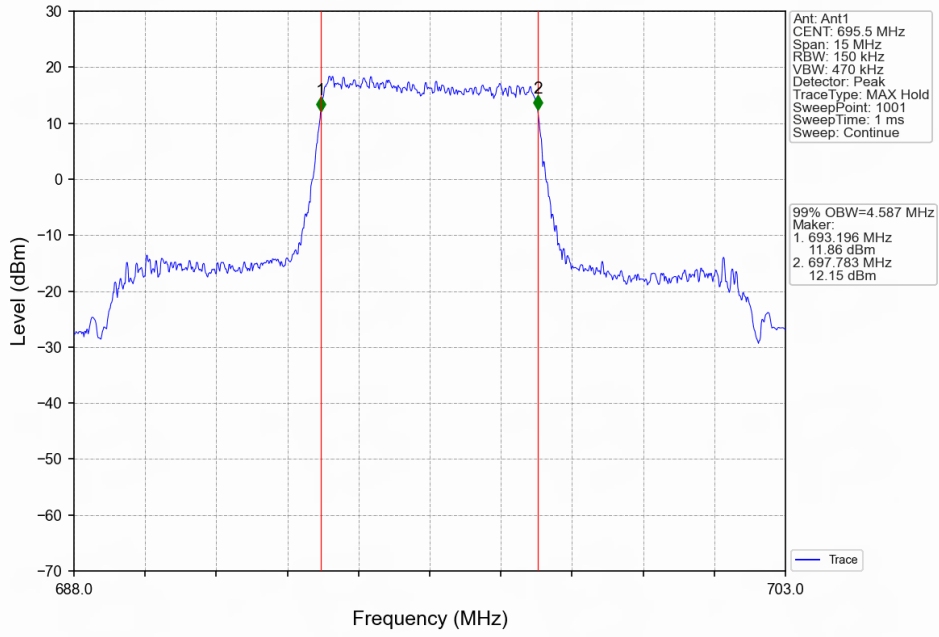
#### 4.1.1 Test Result

Band: 71 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.594	Pass
		680.5	25	0	4.574	Pass
		695.5	25	0	4.587	Pass
	16QAM	665.5	25	0	4.587	Pass
		680.5	25	0	4.587	Pass
		695.5	25	0	4.606	Pass
10	QPSK	668	50	0	9.183	Pass
		680.5	50	0	9.110	Pass
		693	50	0	9.085	Pass
	16QAM	668	50	0	9.147	Pass
		680.5	50	0	9.165	Pass
		693	50	0	9.099	Pass
15	QPSK	670.5	75	0	13.630	Pass
		680.5	75	0	13.755	Pass
		690.5	75	0	13.510	Pass
	16QAM	670.5	75	0	13.653	Pass
		680.5	75	0	13.782	Pass
		690.5	75	0	13.522	Pass
20	QPSK	673	100	0	18.093	Pass
		683	100	0	18.283	Pass
		688	100	0	18.104	Pass
	16QAM	673	100	0	18.081	Pass
		683	100	0	18.385	Pass
		688	100	0	18.082	Pass

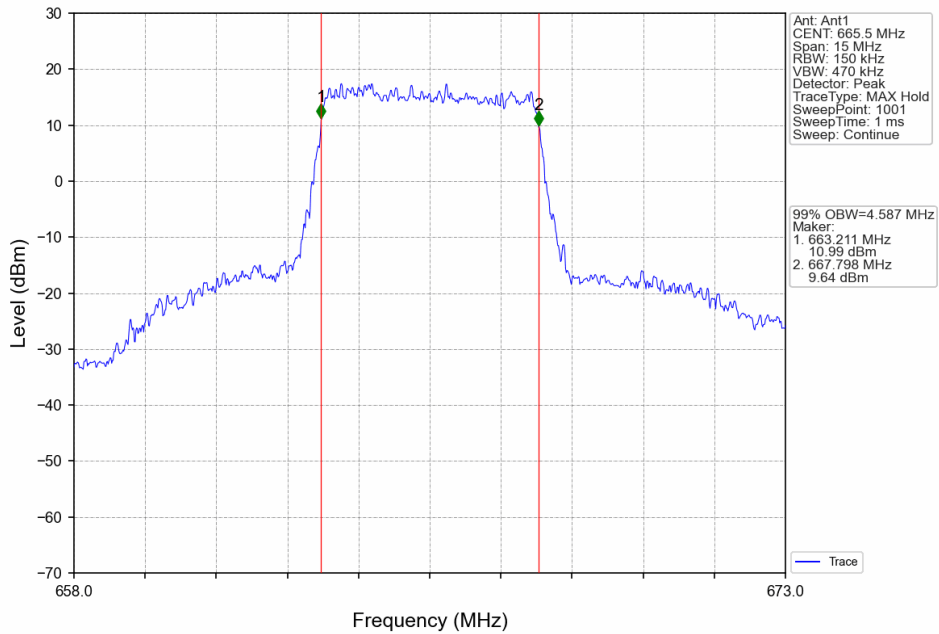
### 4.1.2 Test Graph



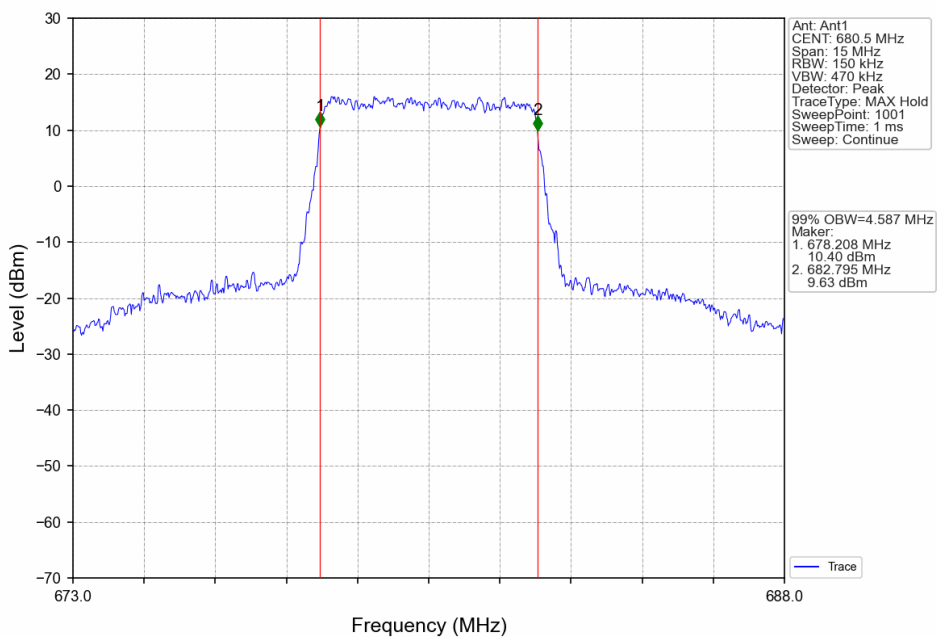
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



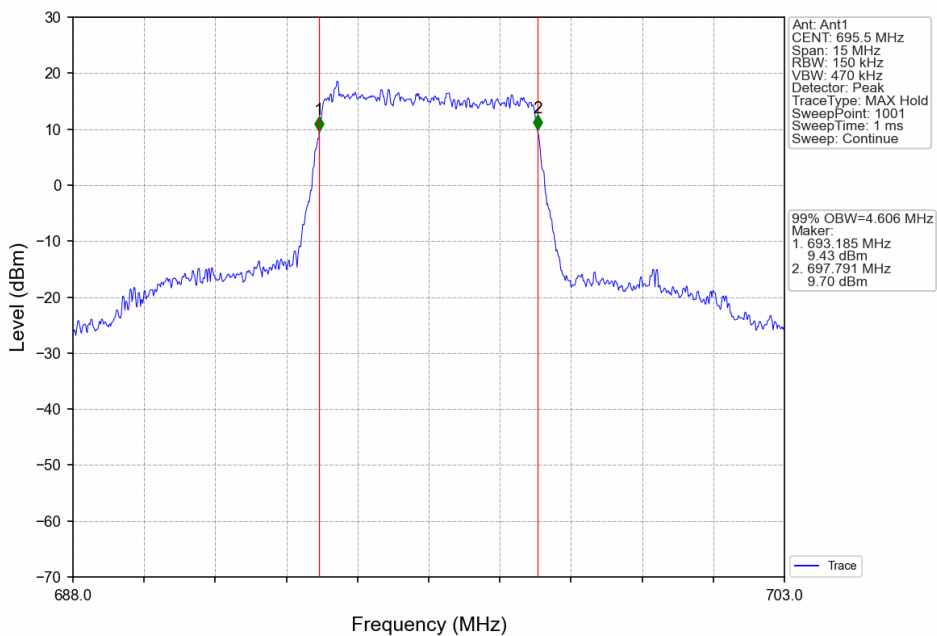
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



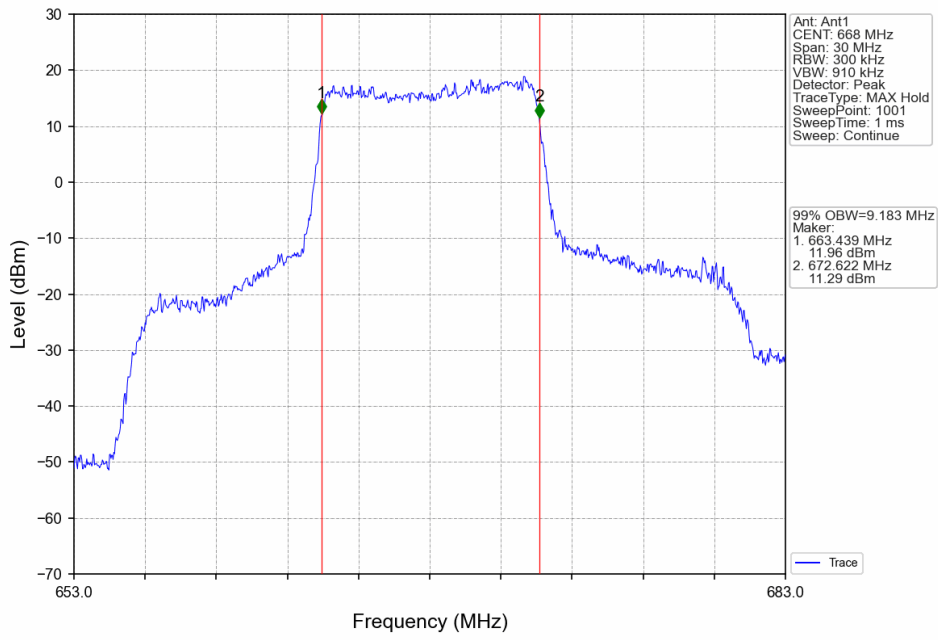
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



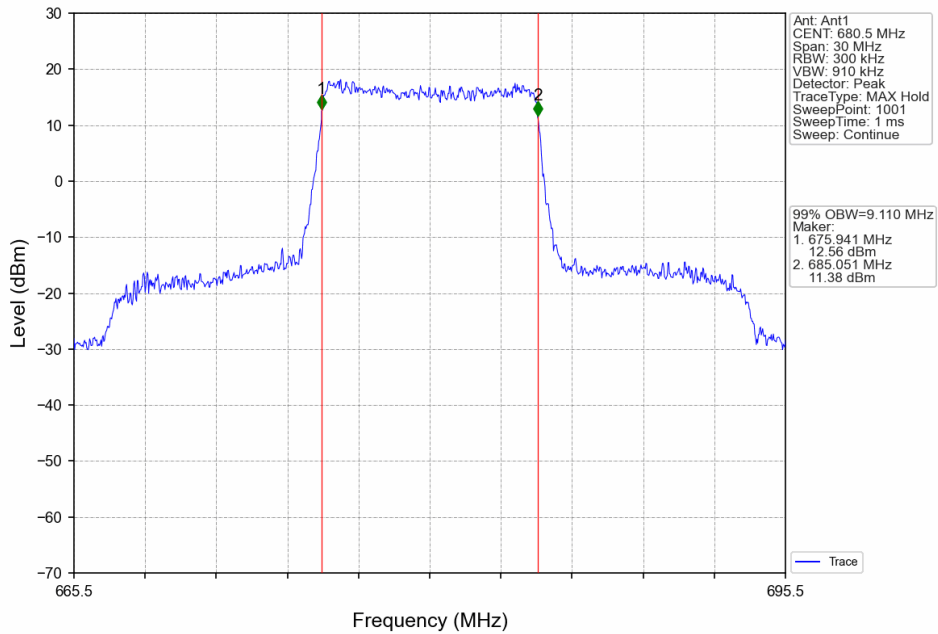
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



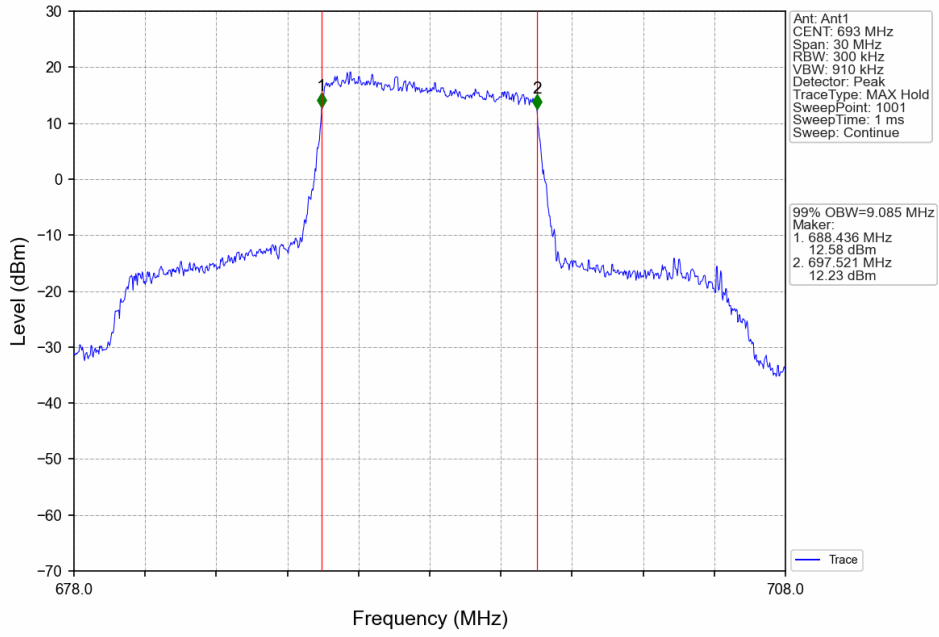
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



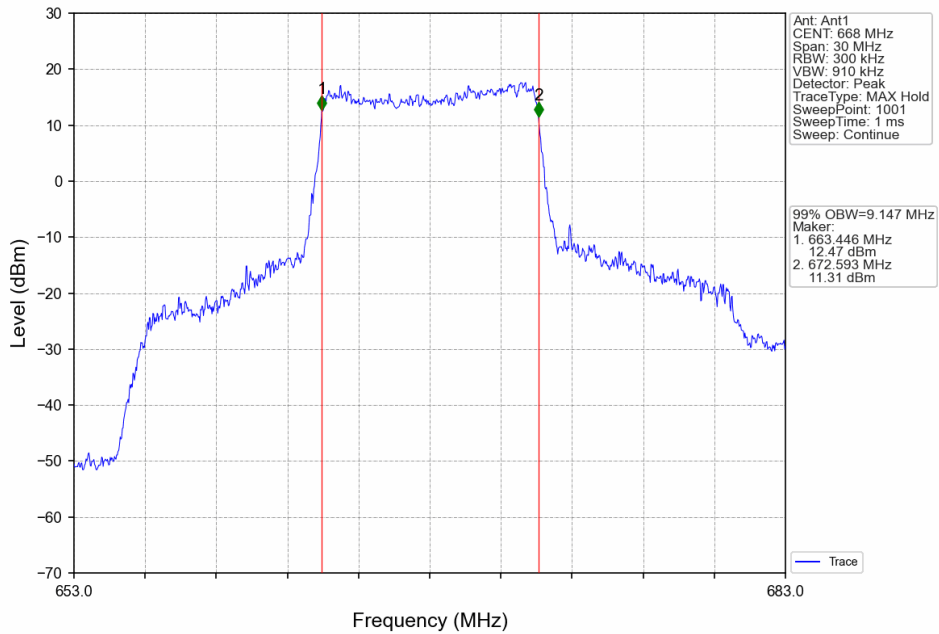
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



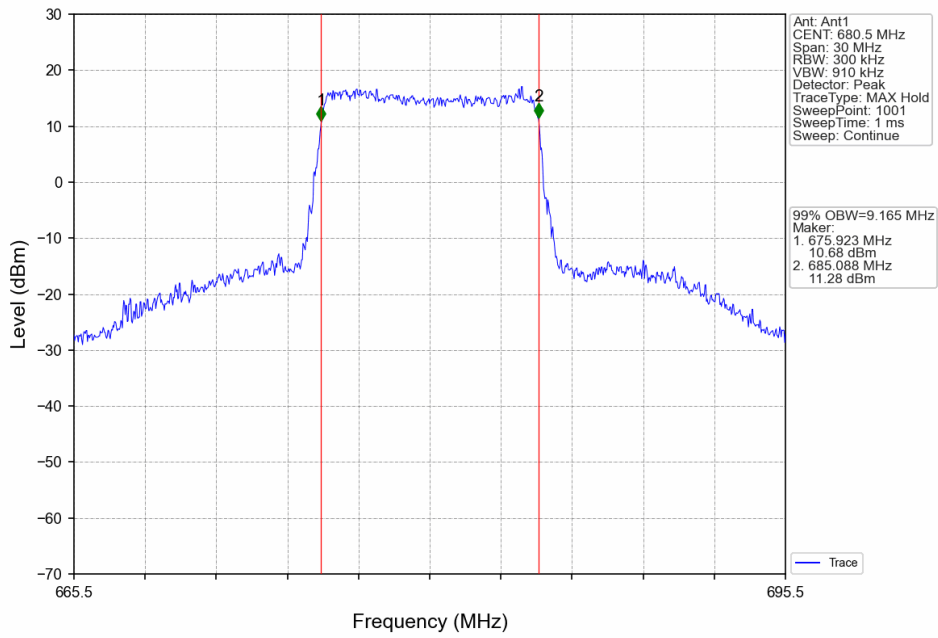
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



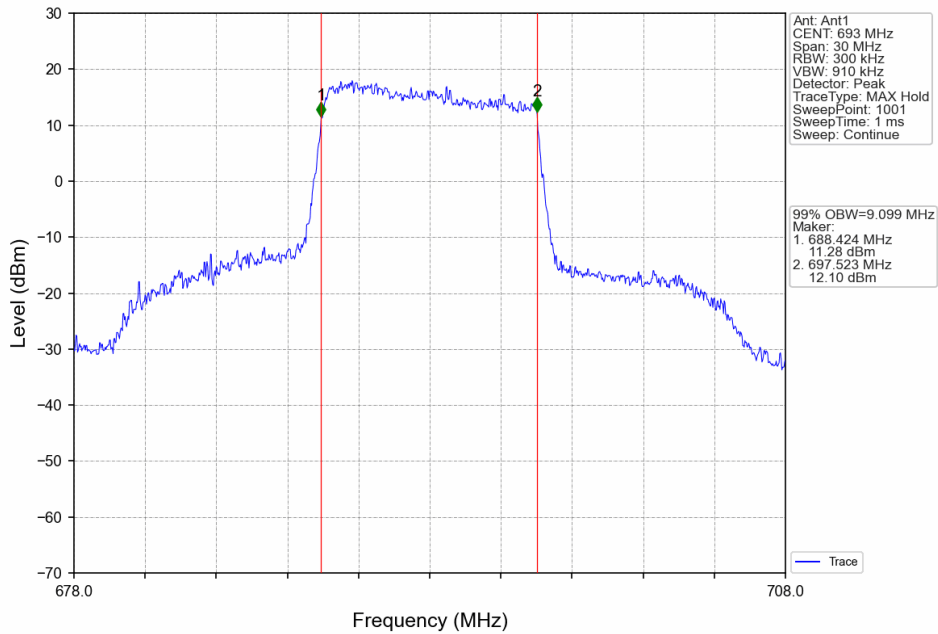
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



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

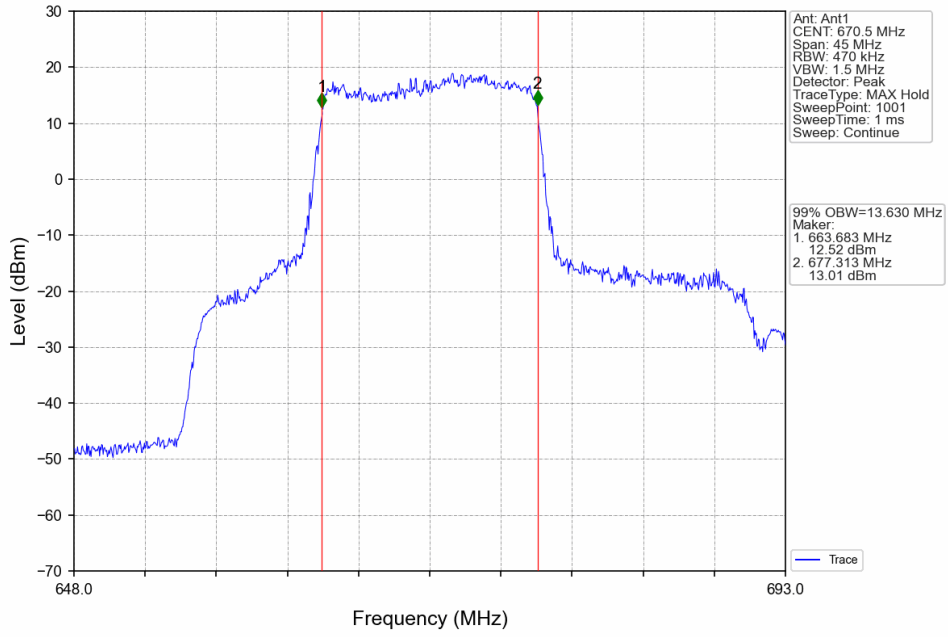


Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV

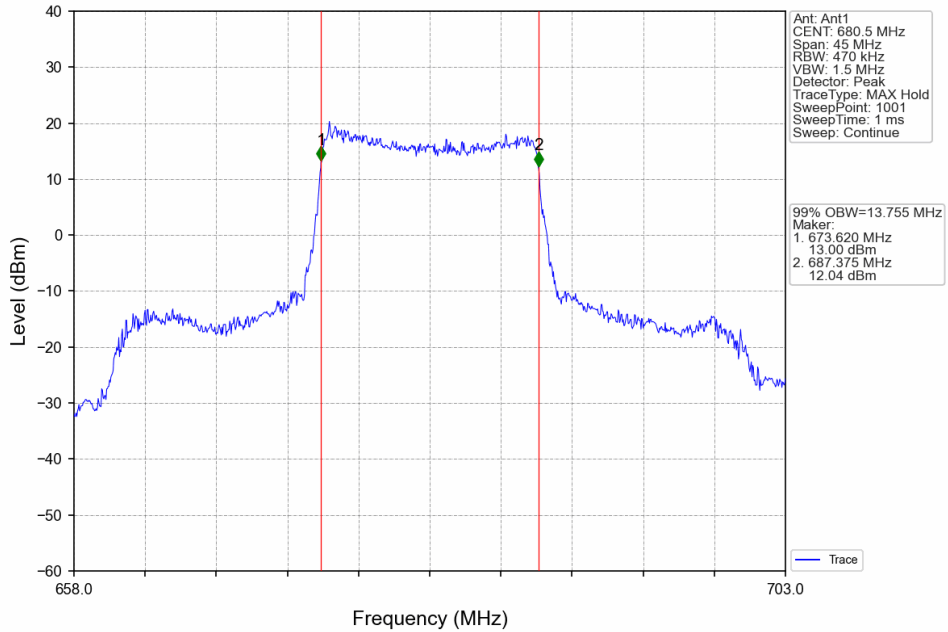




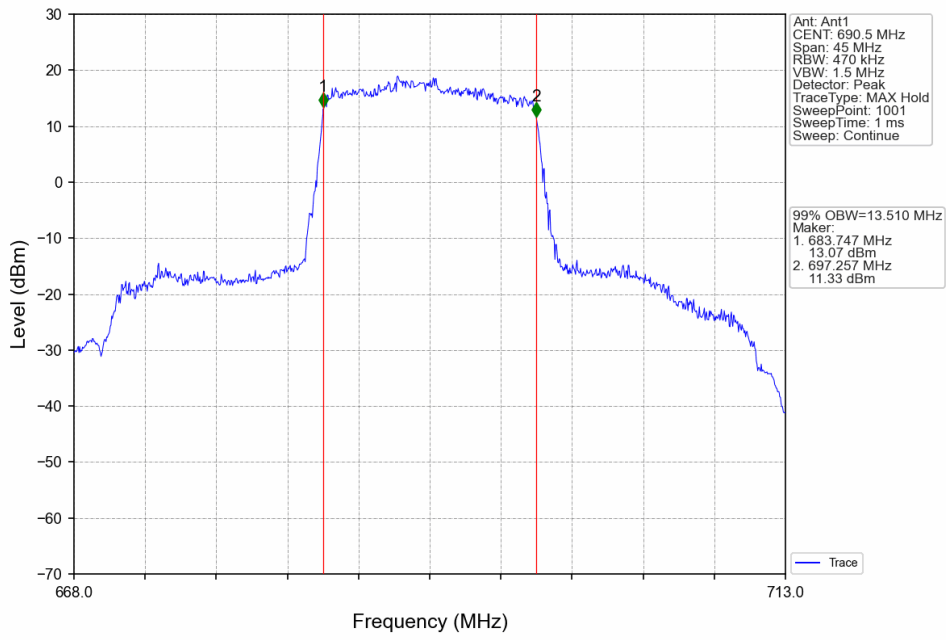
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



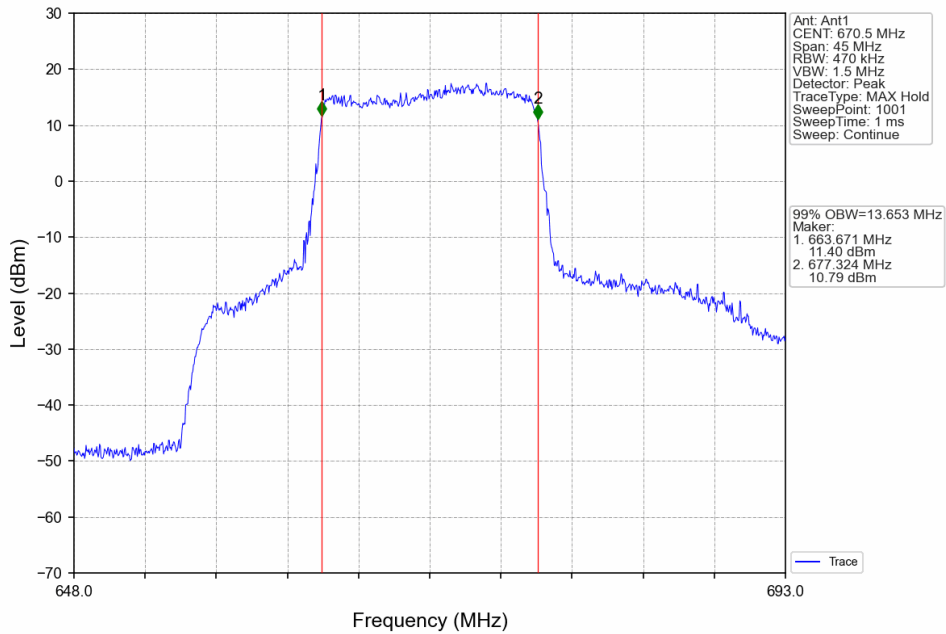
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



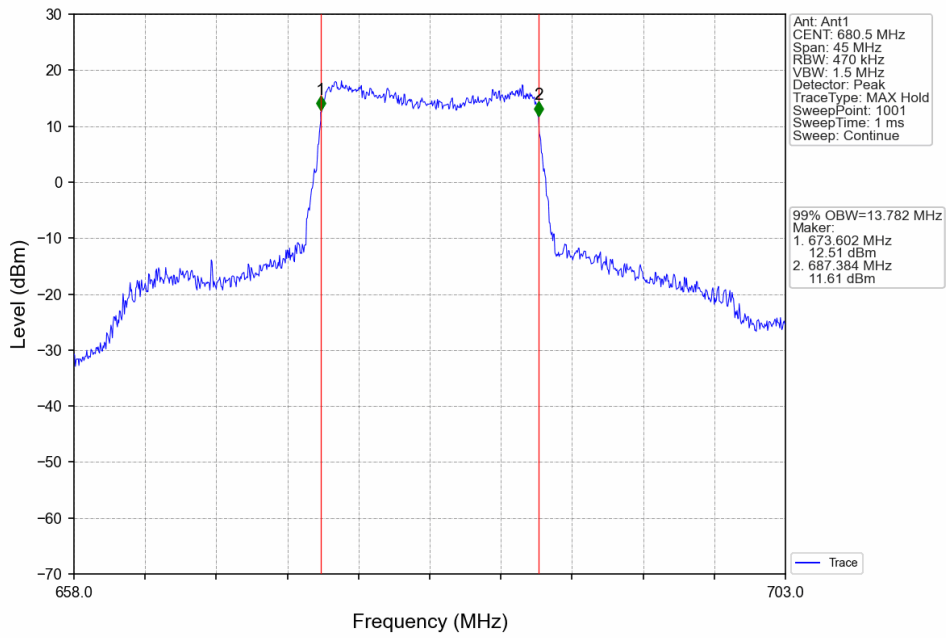
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



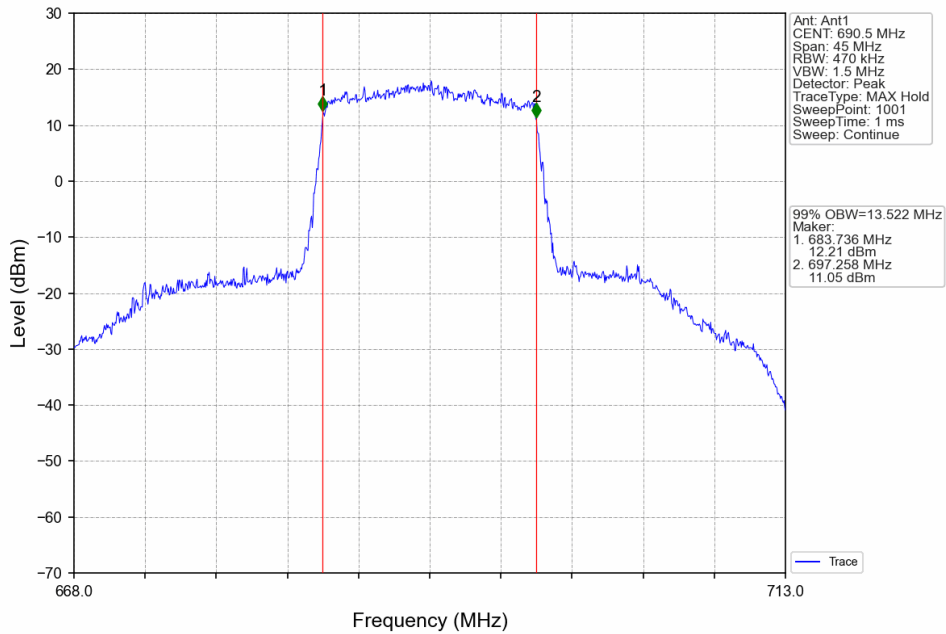
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



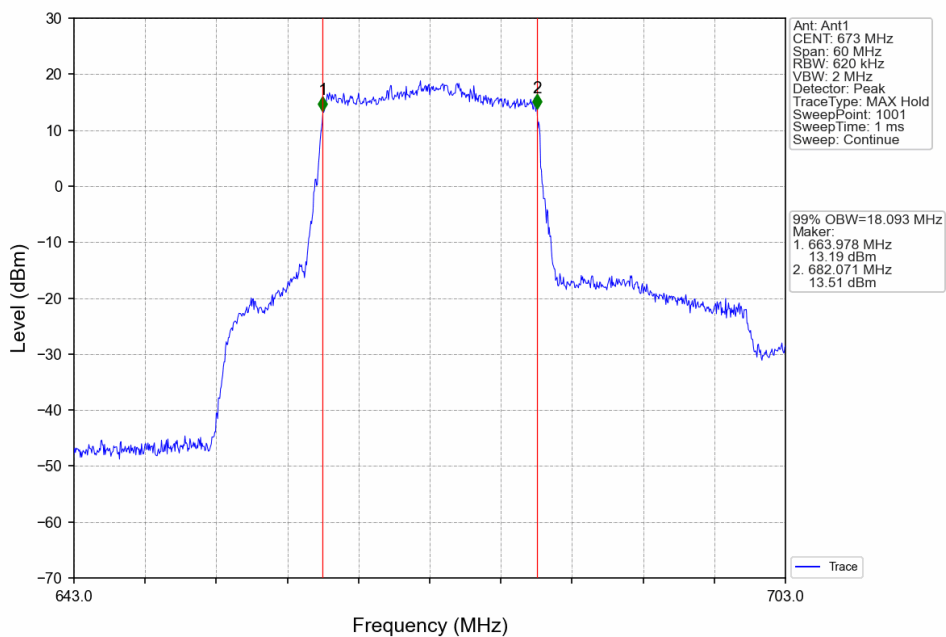
Band71\_15MHz\_16QAM\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



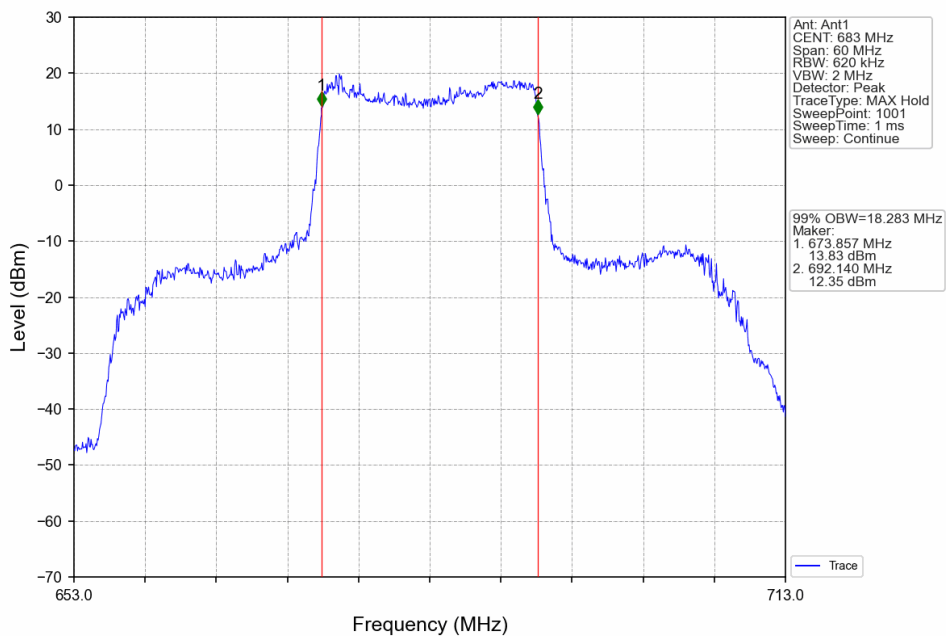
Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



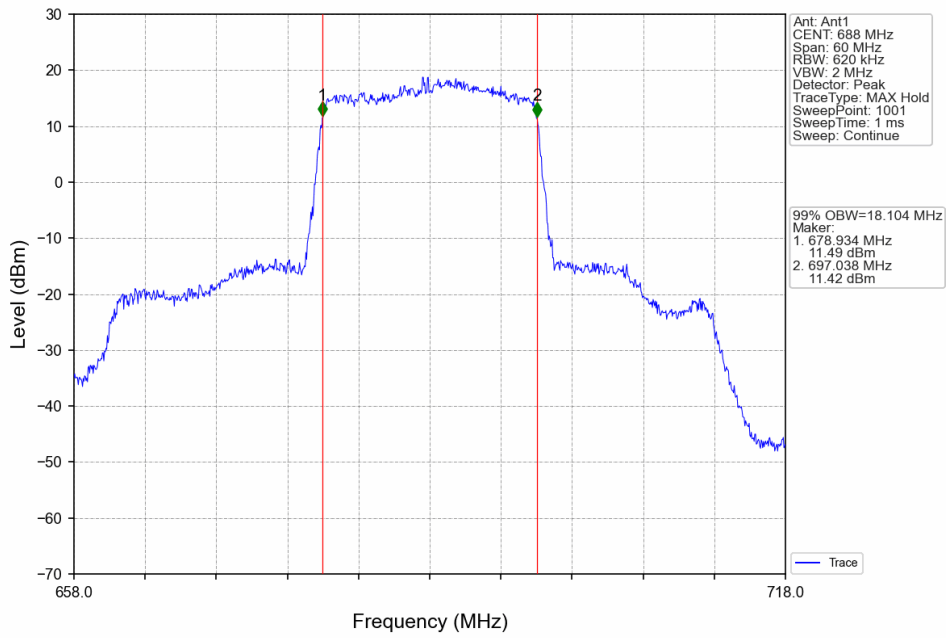
Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



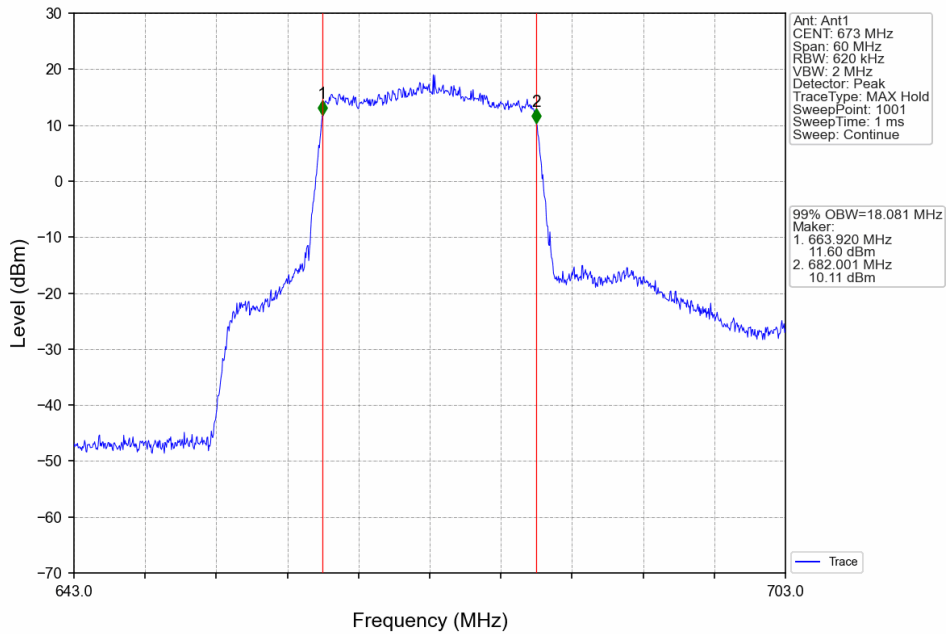
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



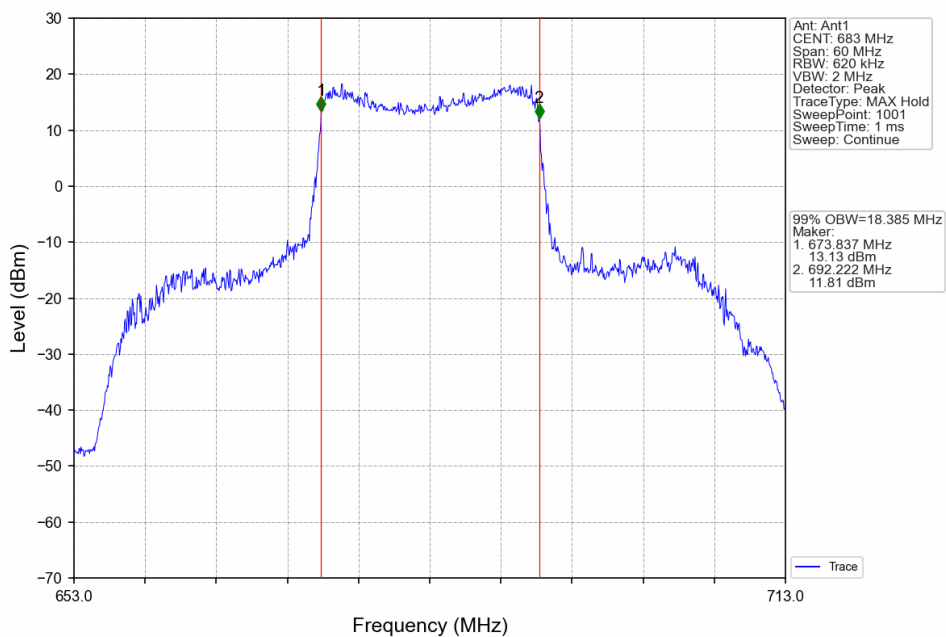
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



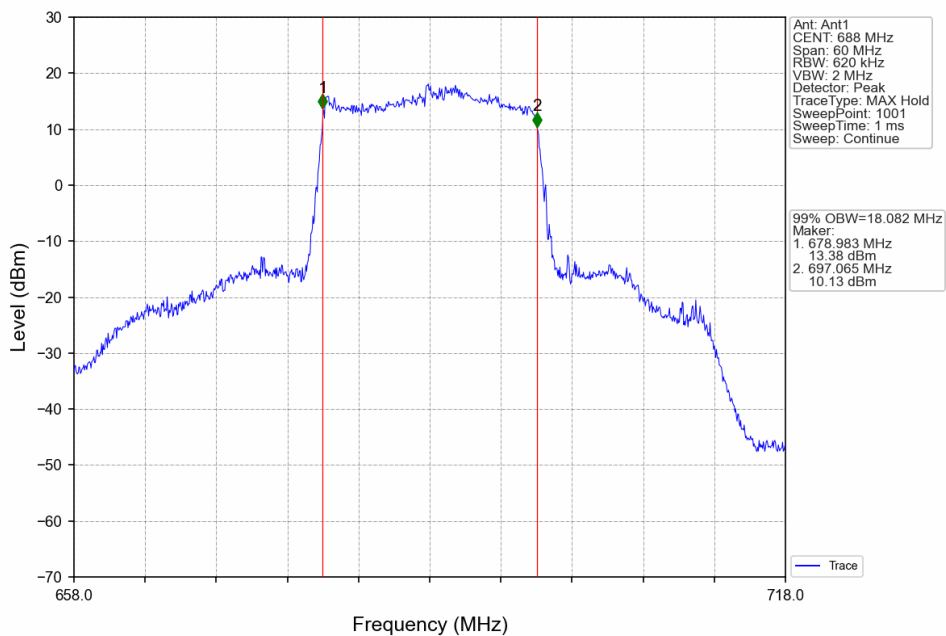
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



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



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

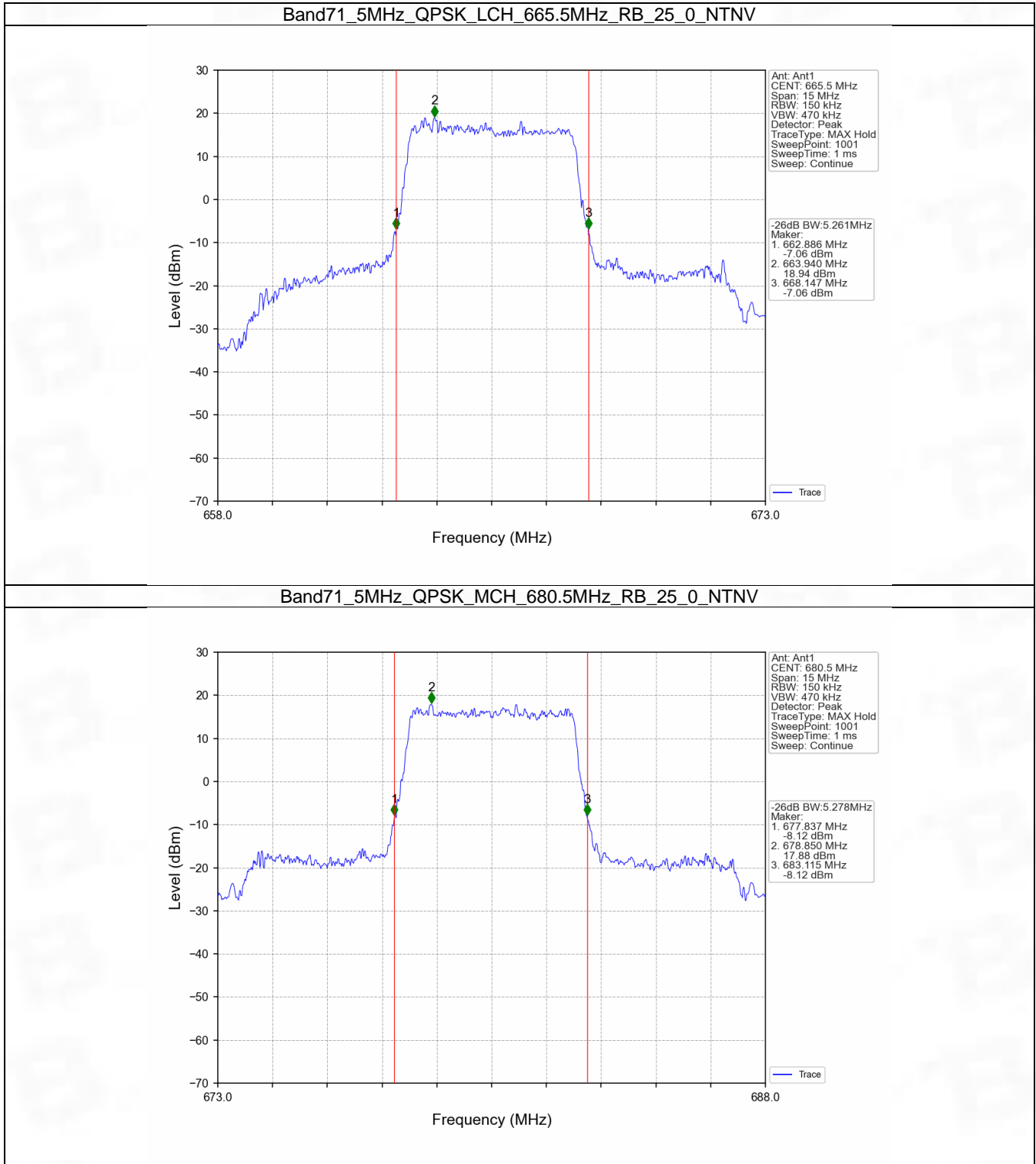


## 4.2 Band71\_XDB

### 4.2.1 Test Result

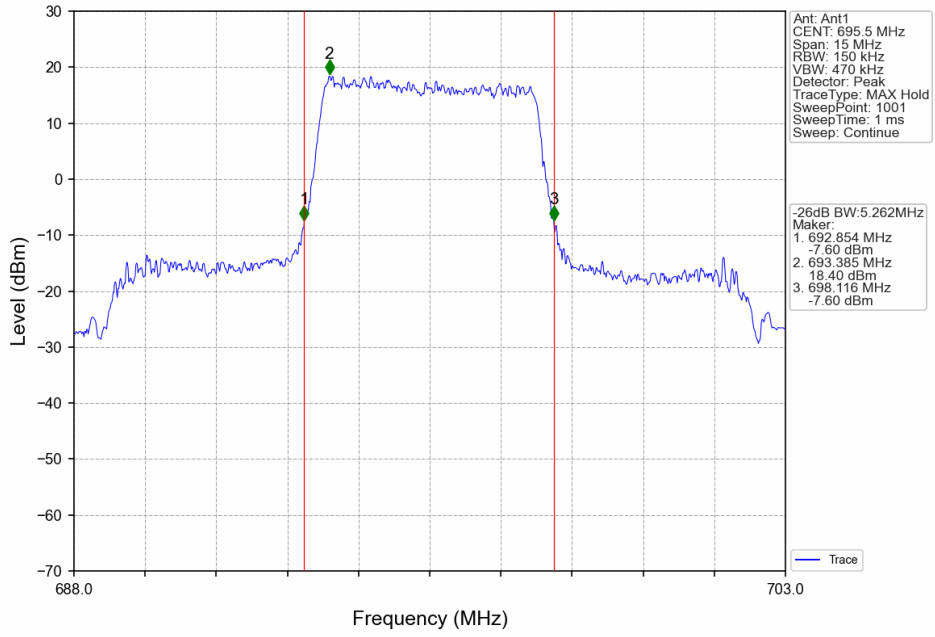
Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.261	Pass
		680.5	25	0	5.278	Pass
		695.5	25	0	5.262	Pass
	16QAM	665.5	25	0	5.318	Pass
		680.5	25	0	5.400	Pass
		695.5	25	0	5.267	Pass
10	QPSK	668	50	0	10.371	Pass
		680.5	50	0	10.282	Pass
		693	50	0	10.274	Pass
	16QAM	668	50	0	11.026	Pass
		680.5	50	0	10.345	Pass
		693	50	0	10.214	Pass
15	QPSK	670.5	75	0	15.400	Pass
		680.5	75	0	15.392	Pass
		690.5	75	0	15.286	Pass
	16QAM	670.5	75	0	15.269	Pass
		680.5	75	0	15.427	Pass
		690.5	75	0	15.172	Pass
20	QPSK	673	100	0	20.071	Pass
		683	100	0	20.172	Pass
		688	100	0	19.980	Pass
	16QAM	673	100	0	19.839	Pass
		683	100	0	20.298	Pass
		688	100	0	20.024	Pass

### 4.2.2 Test Graph

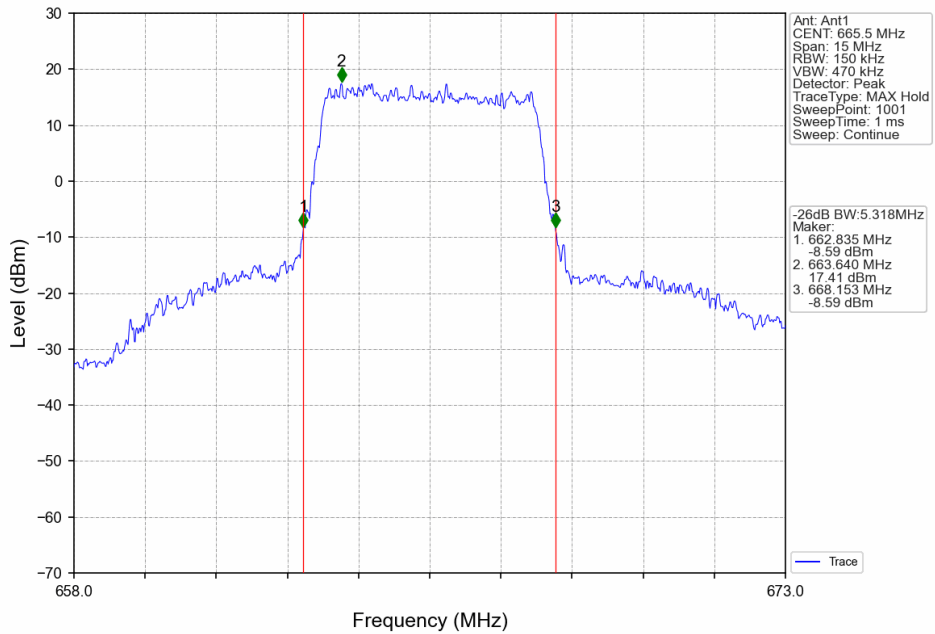




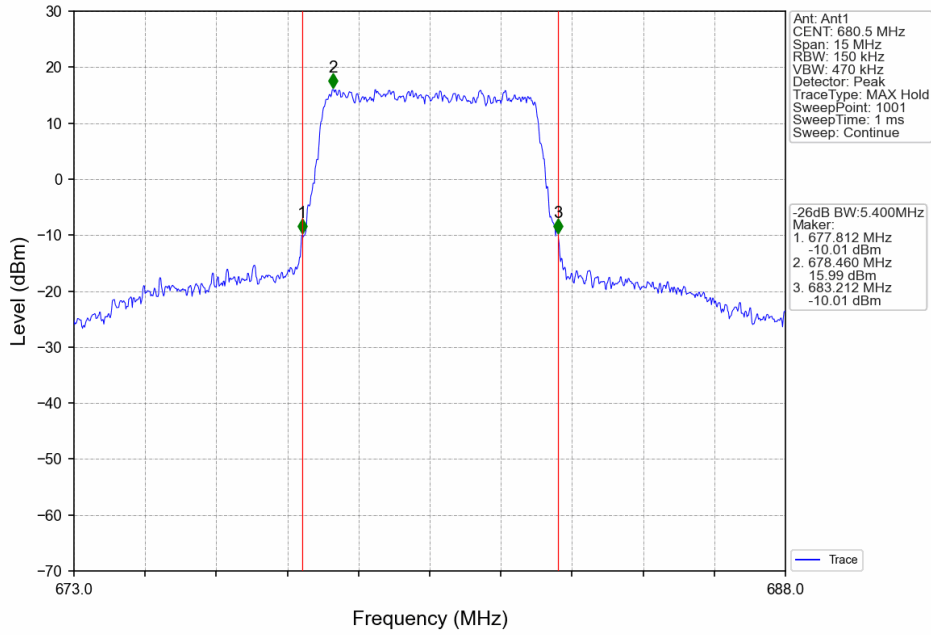
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



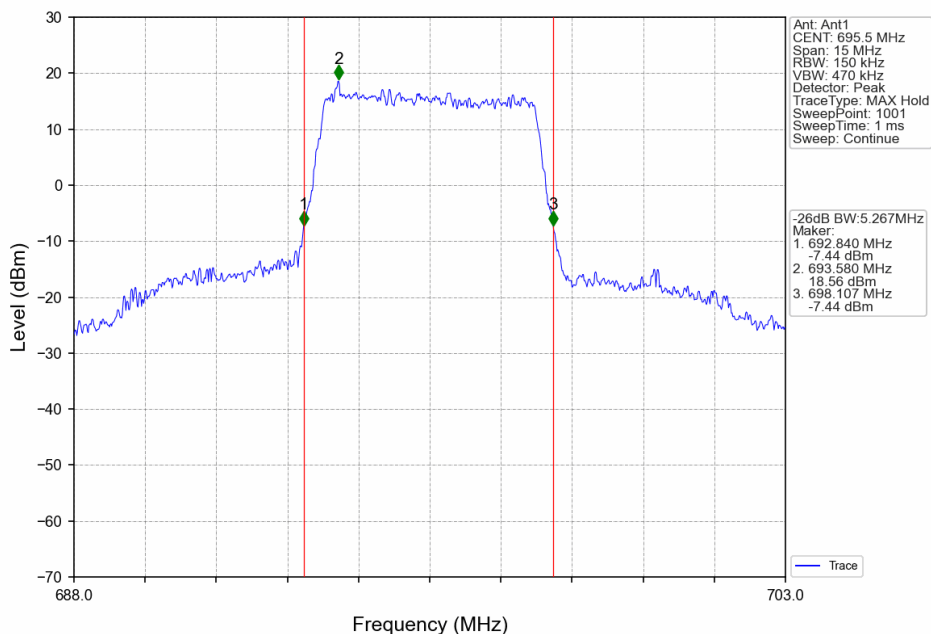
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



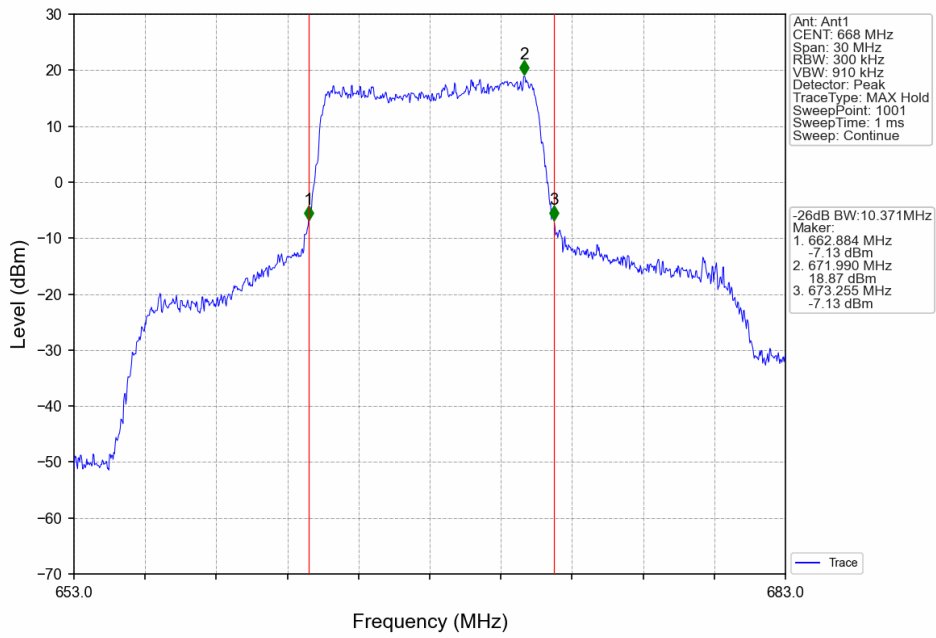
Band71\_5MHz\_16QAM\_MCH\_680.5MHz\_RB\_25\_0\_NTNV



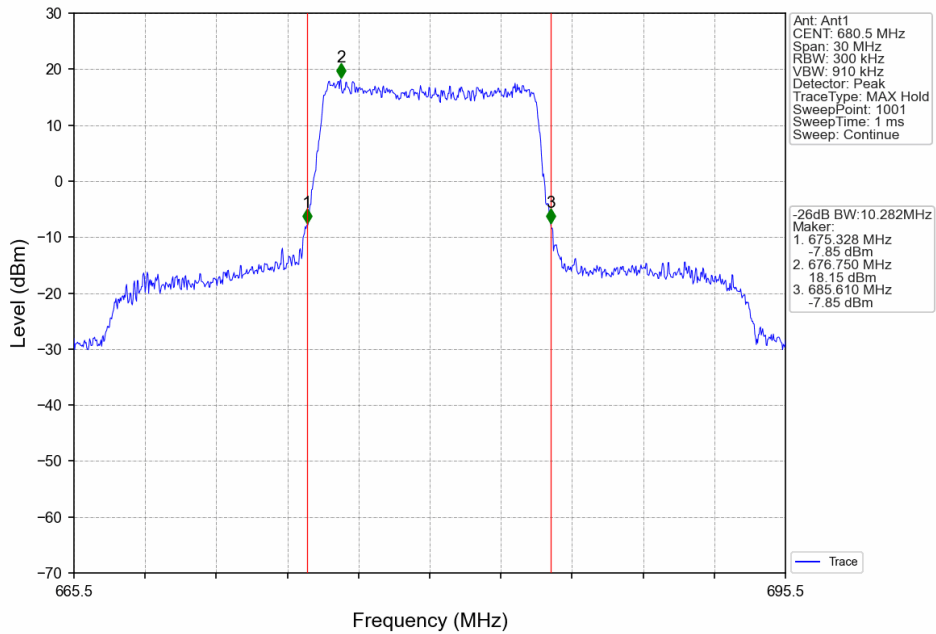
Band71\_5MHz\_16QAM\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



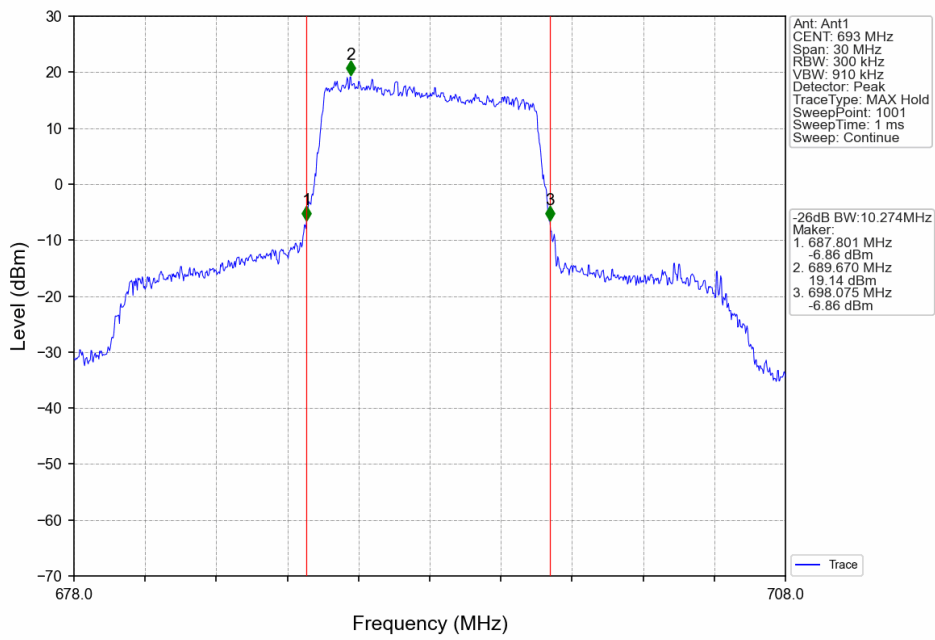
Band71\_10MHz\_QPSK\_LCH\_668MHz\_RB\_50\_0\_NTNV



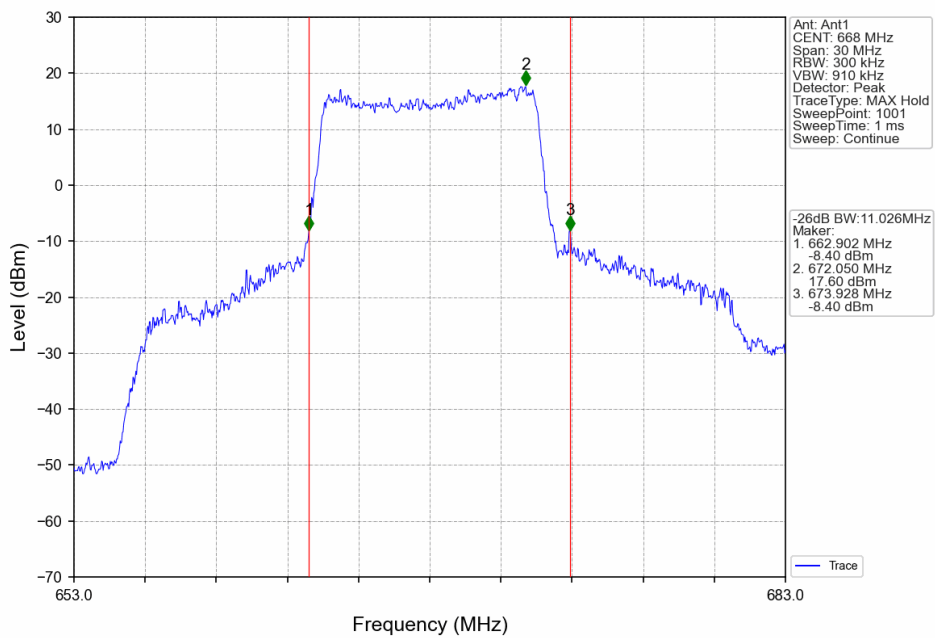
Band71\_10MHz\_QPSK\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



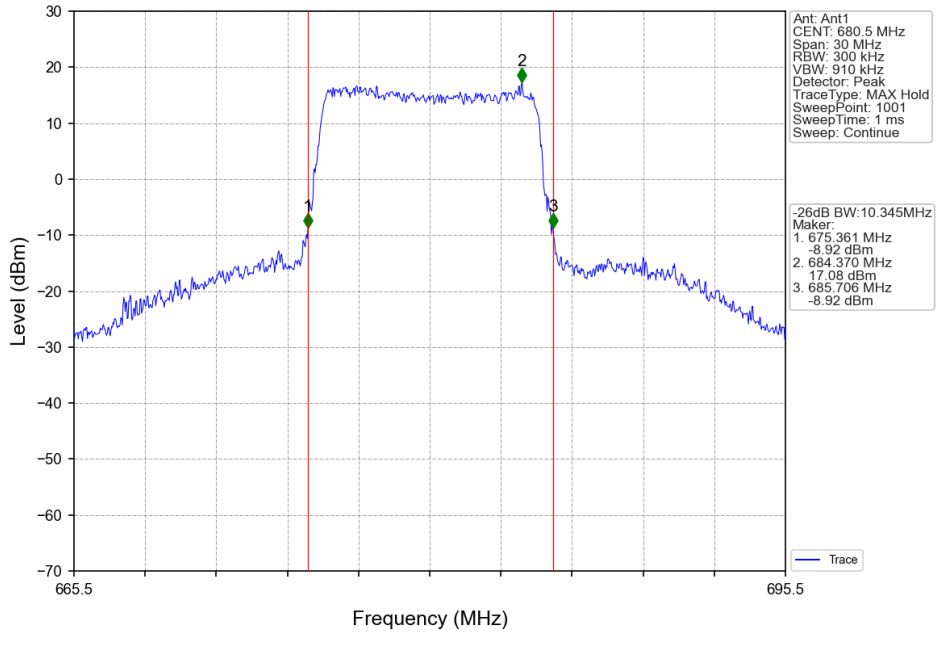
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



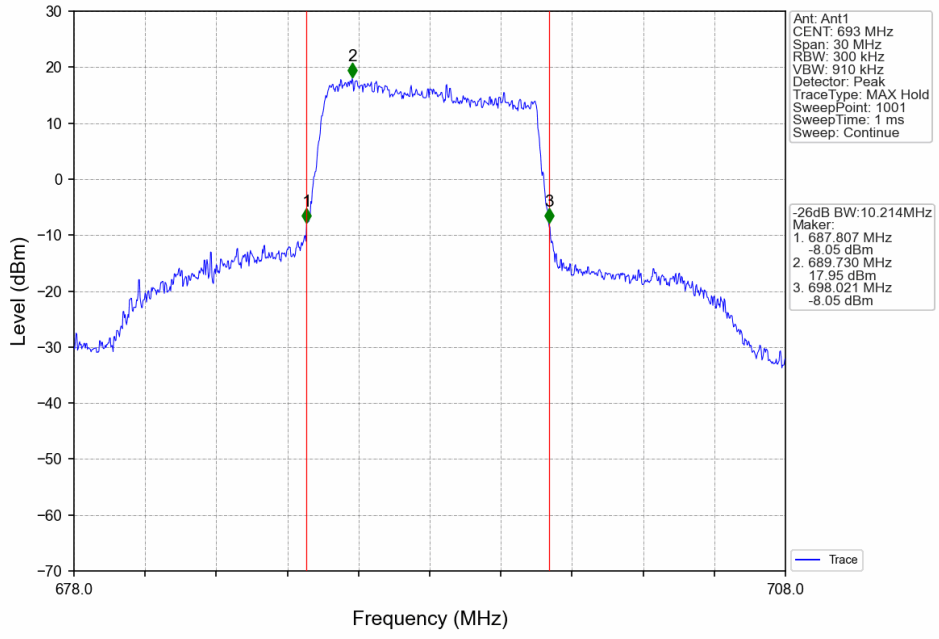
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



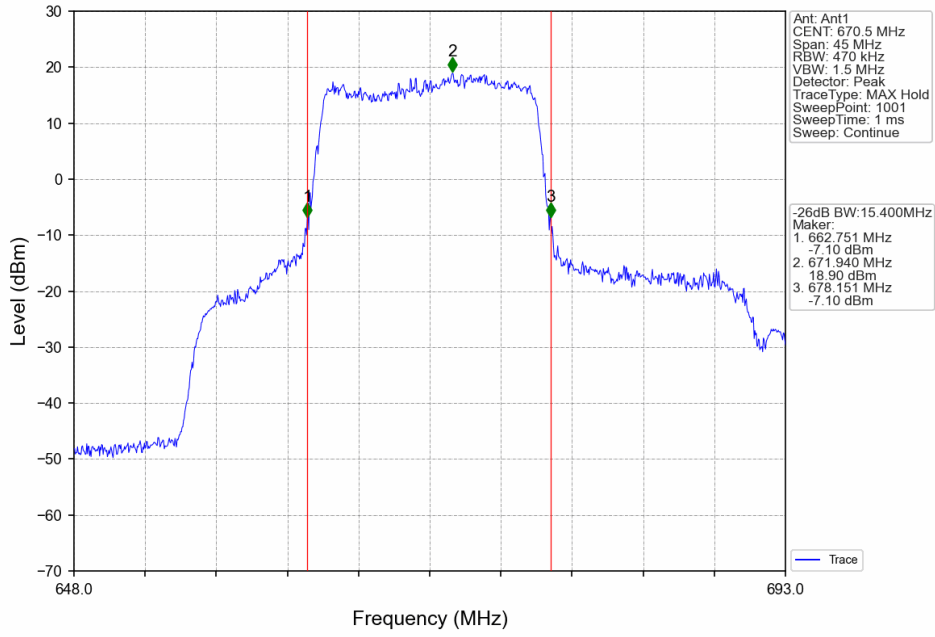
Band71\_10MHz\_16QAM\_MCH\_680.5MHz\_RB\_50\_0\_NTNV



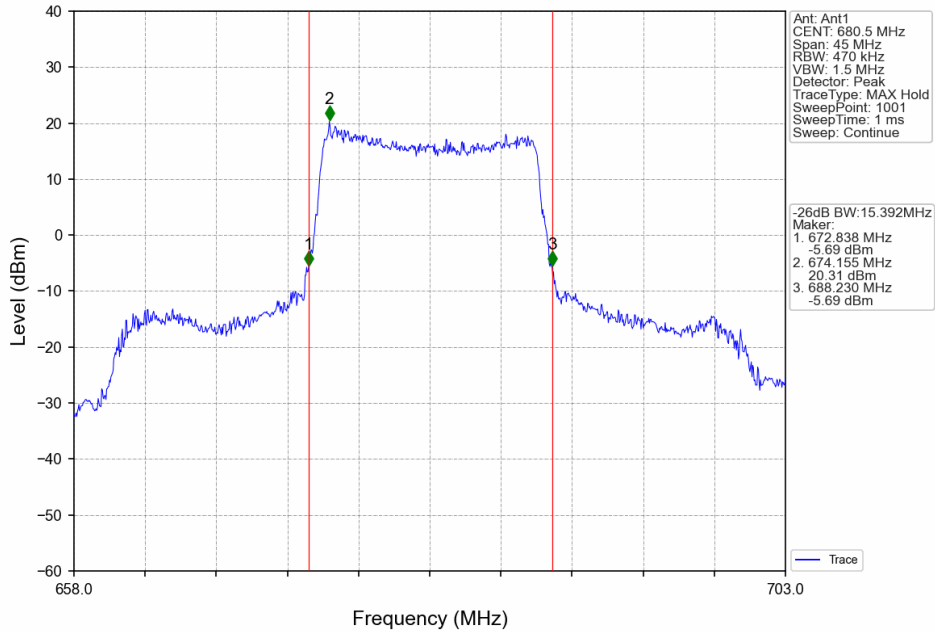
Band71\_10MHz\_16QAM\_HCH\_693MHz\_RB\_50\_0\_NTNV



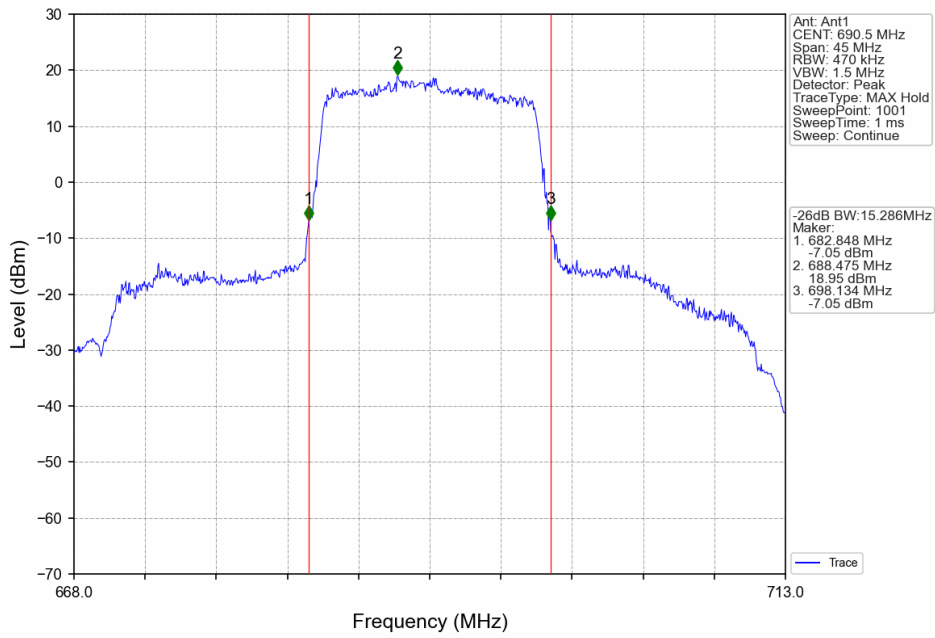
Band71\_15MHz\_QPSK\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



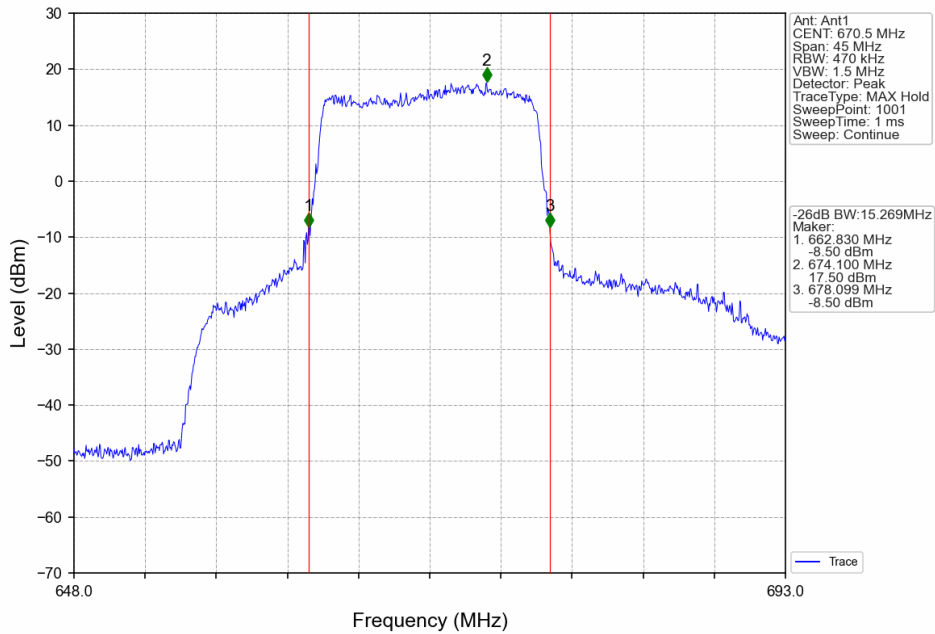
Band71\_15MHz\_QPSK\_MCH\_680.5MHz\_RB\_75\_0\_NTNV



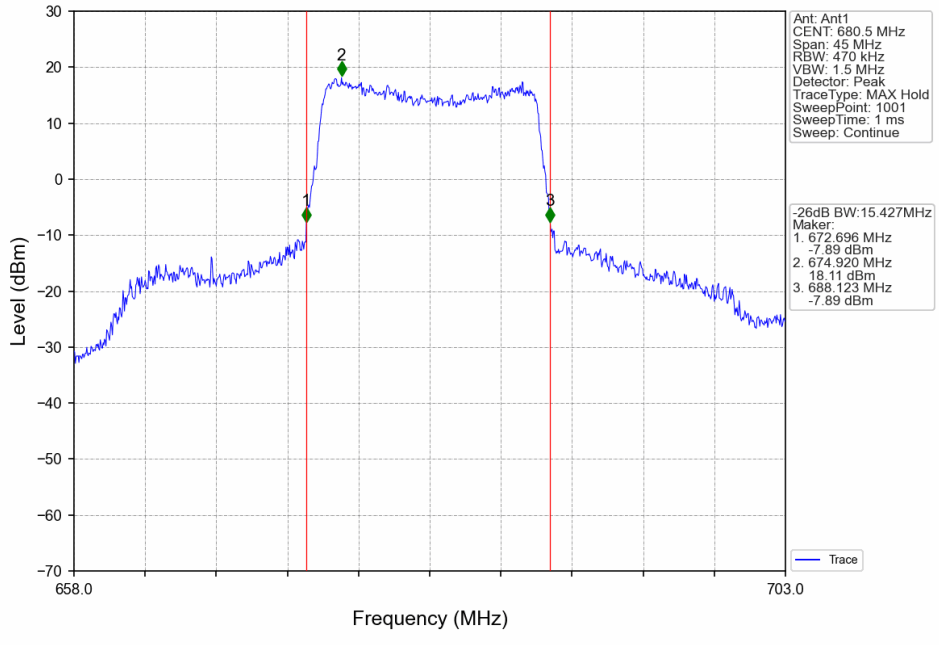
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



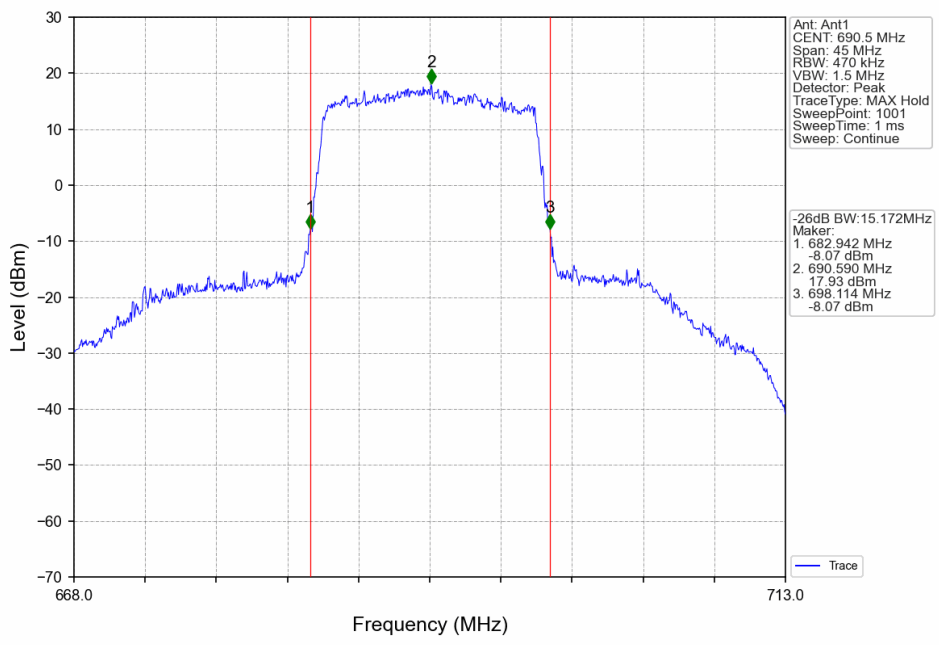
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



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

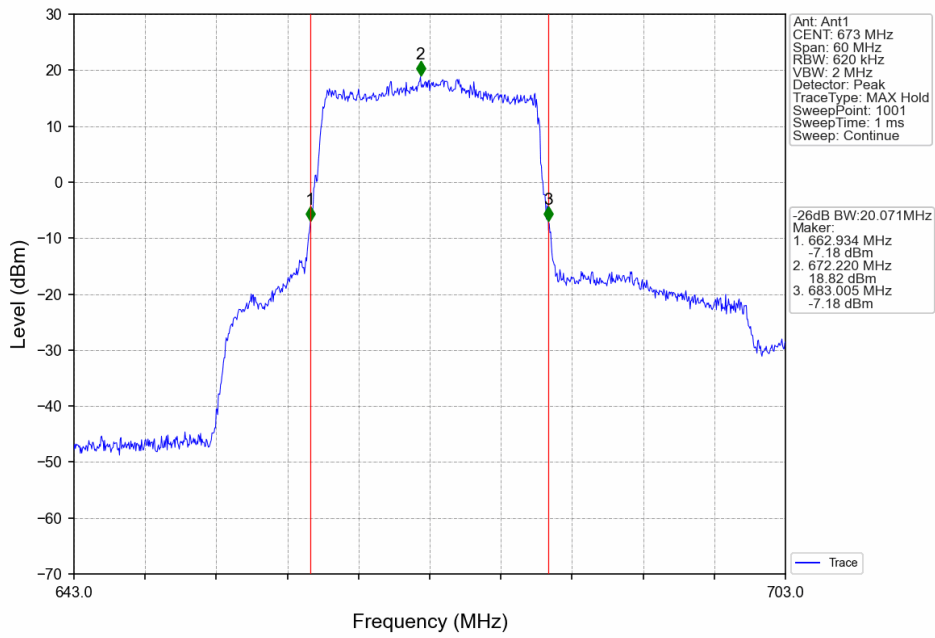


Band71\_15MHz\_16QAM\_HCH\_690.5MHz\_RB\_75\_0\_NTNV

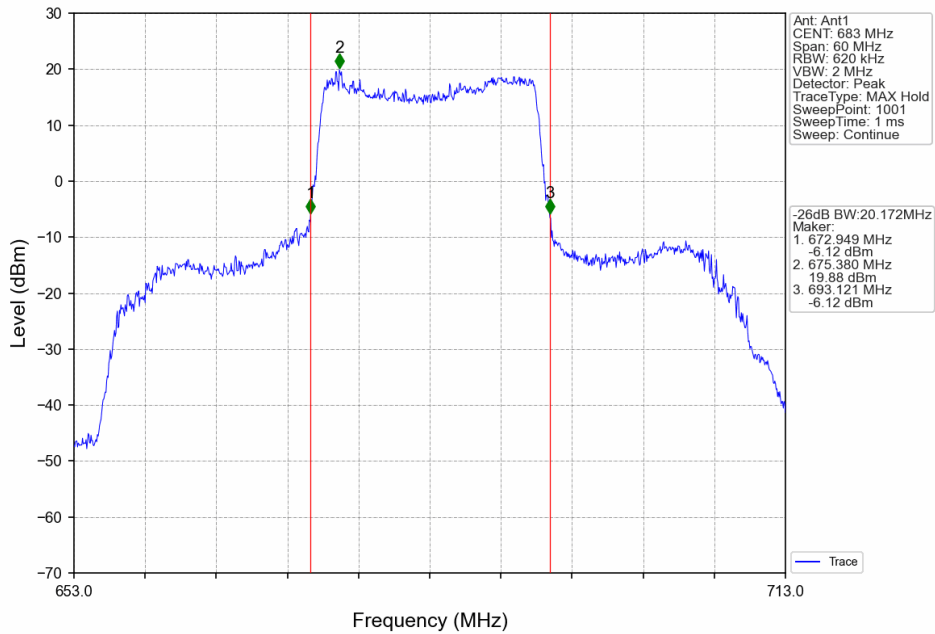




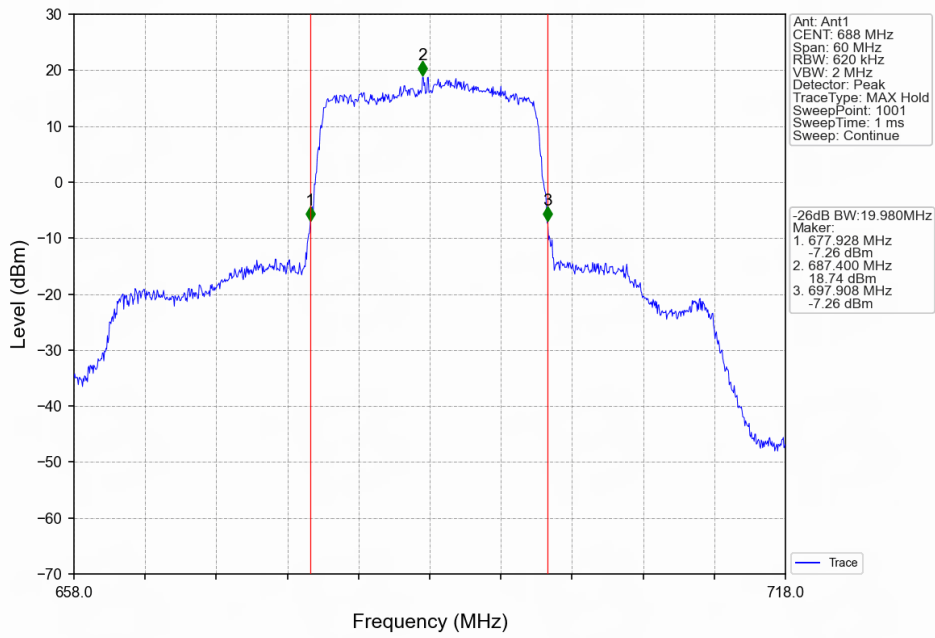
Band71\_20MHz\_QPSK\_LCH\_673MHz\_RB\_100\_0\_NTNV



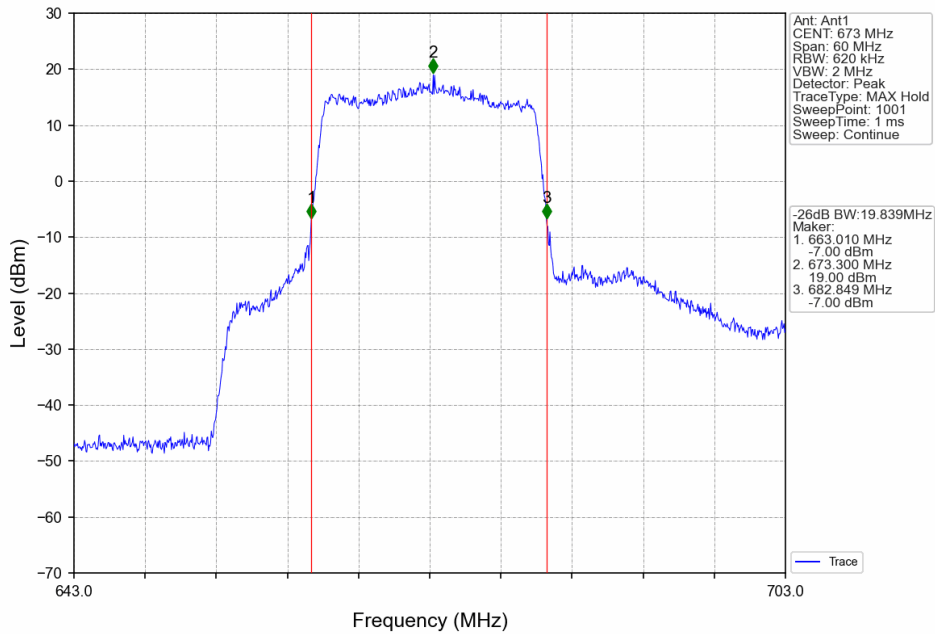
Band71\_20MHz\_QPSK\_MCH\_683MHz\_RB\_100\_0\_NTNV



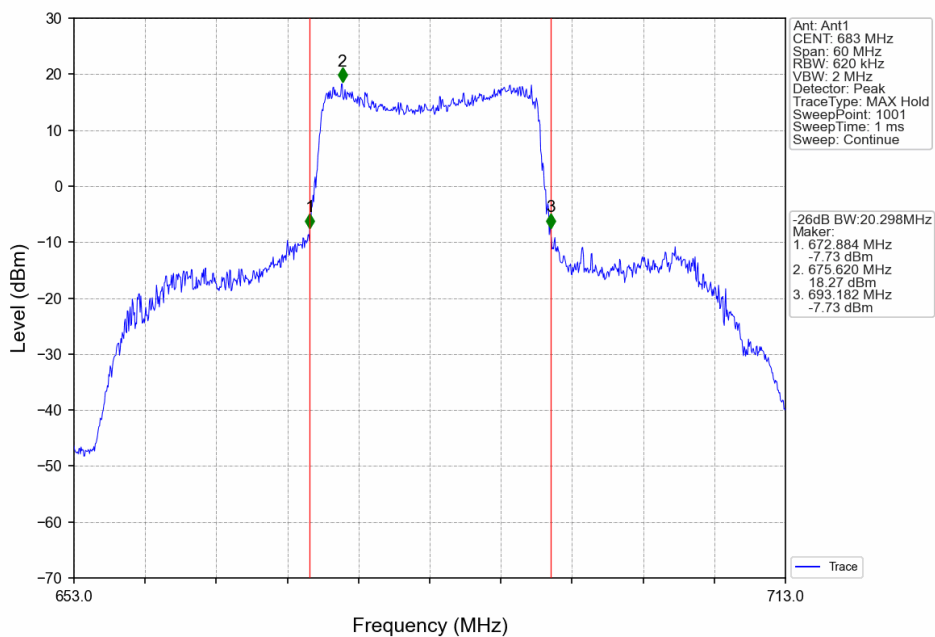
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



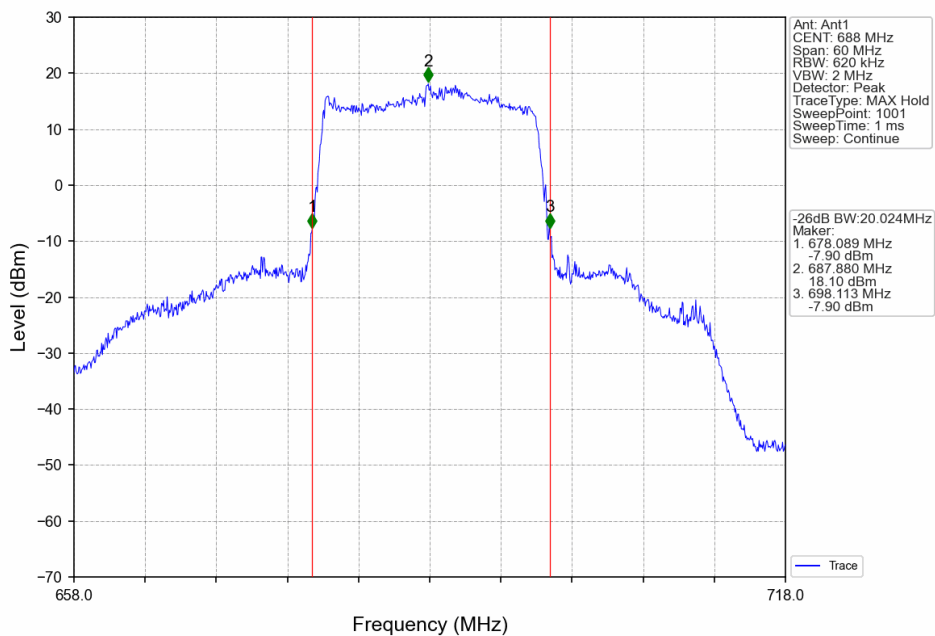
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



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



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



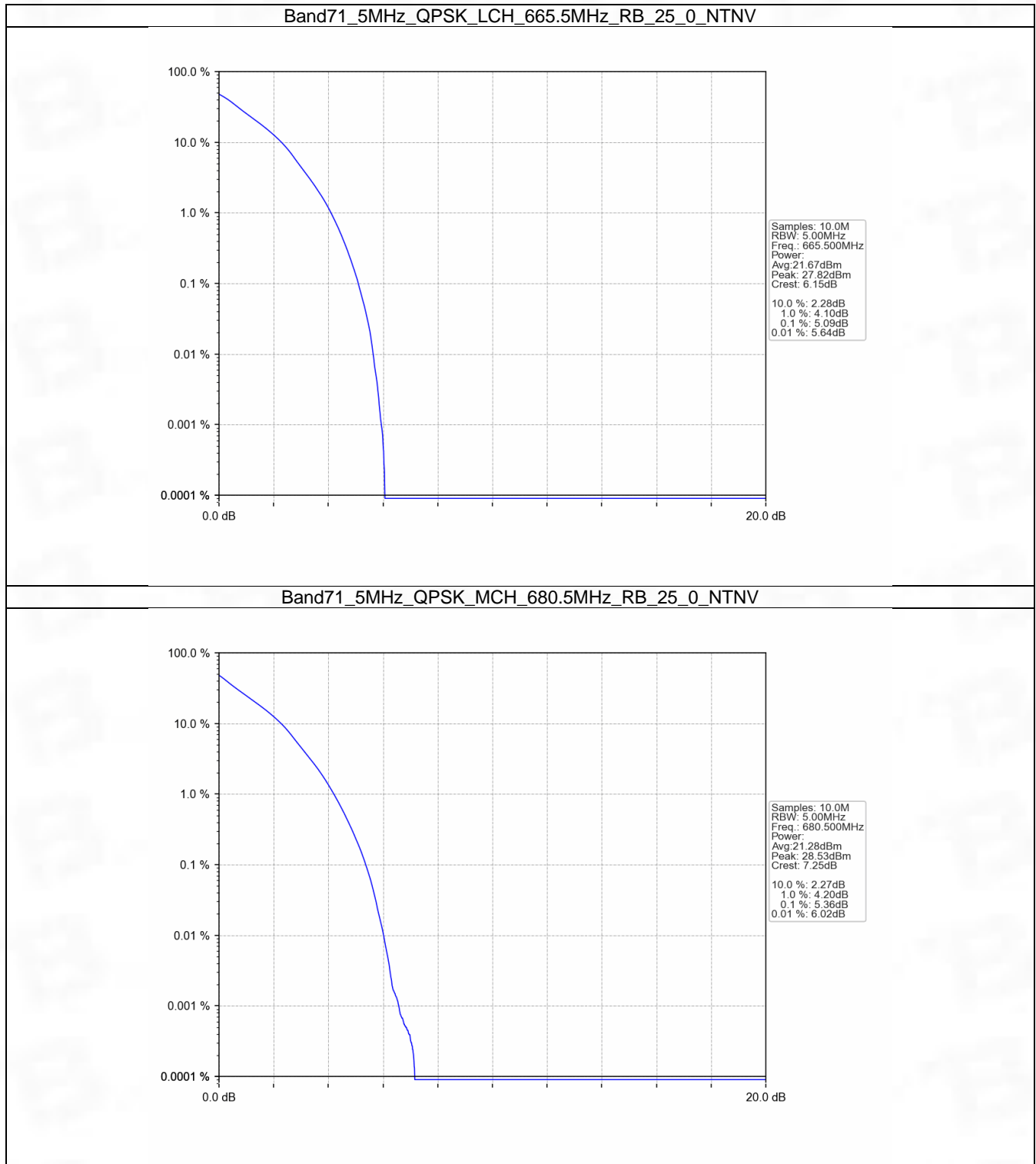
## 5. Peak-Average Ratio

### 5.1 B71\_5MHz

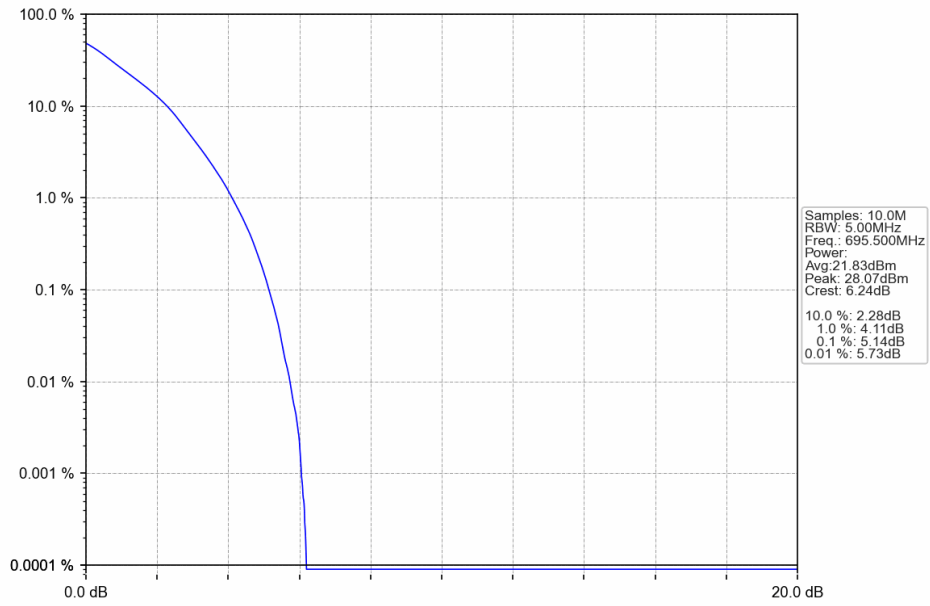
#### 5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.09	<=13	Pass
	680.5	25	0	5.36	<=13	Pass
	695.5	25	0	5.14	<=13	Pass
16QAM	665.5	25	0	5.80	<=13	Pass
	680.5	25	0	6.01	<=13	Pass
	695.5	25	0	5.77	<=13	Pass

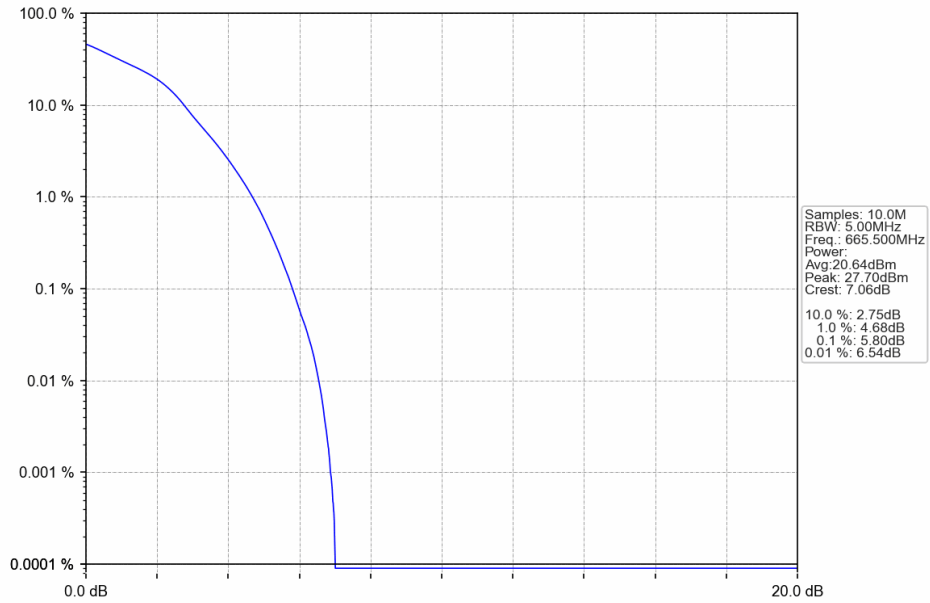
### 5.1.2 Test Graph



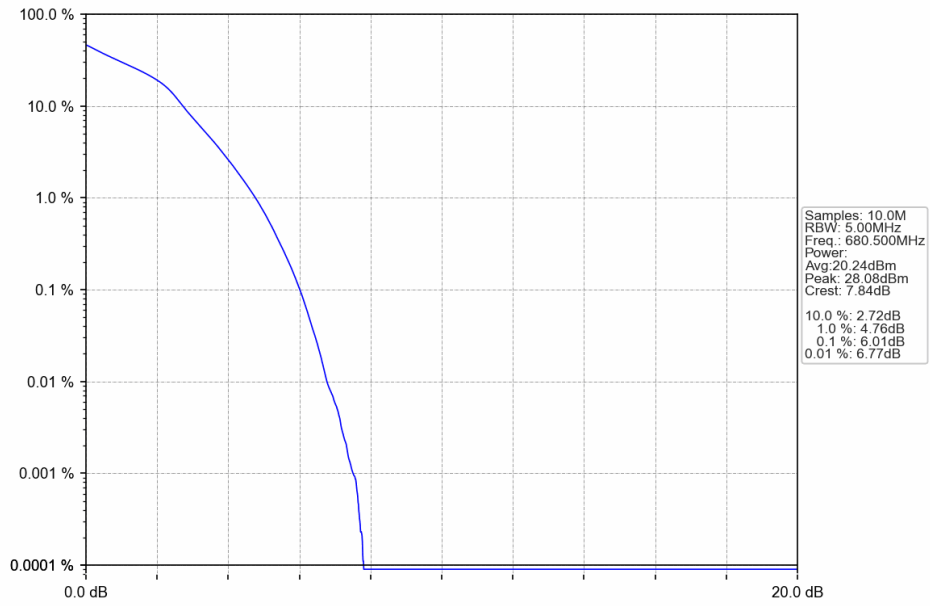
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_25\_0\_NTNV



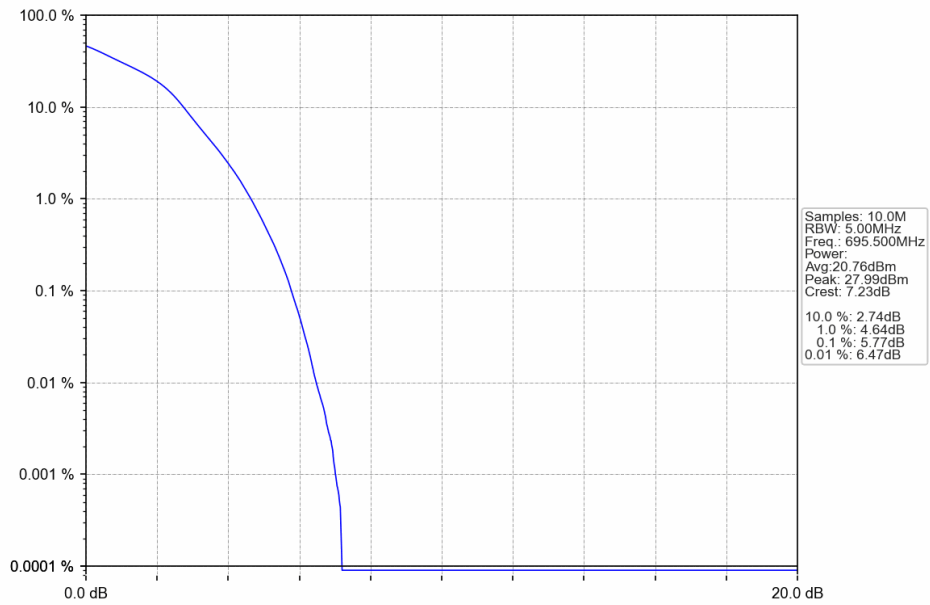
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_25\_0\_NTNV



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



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



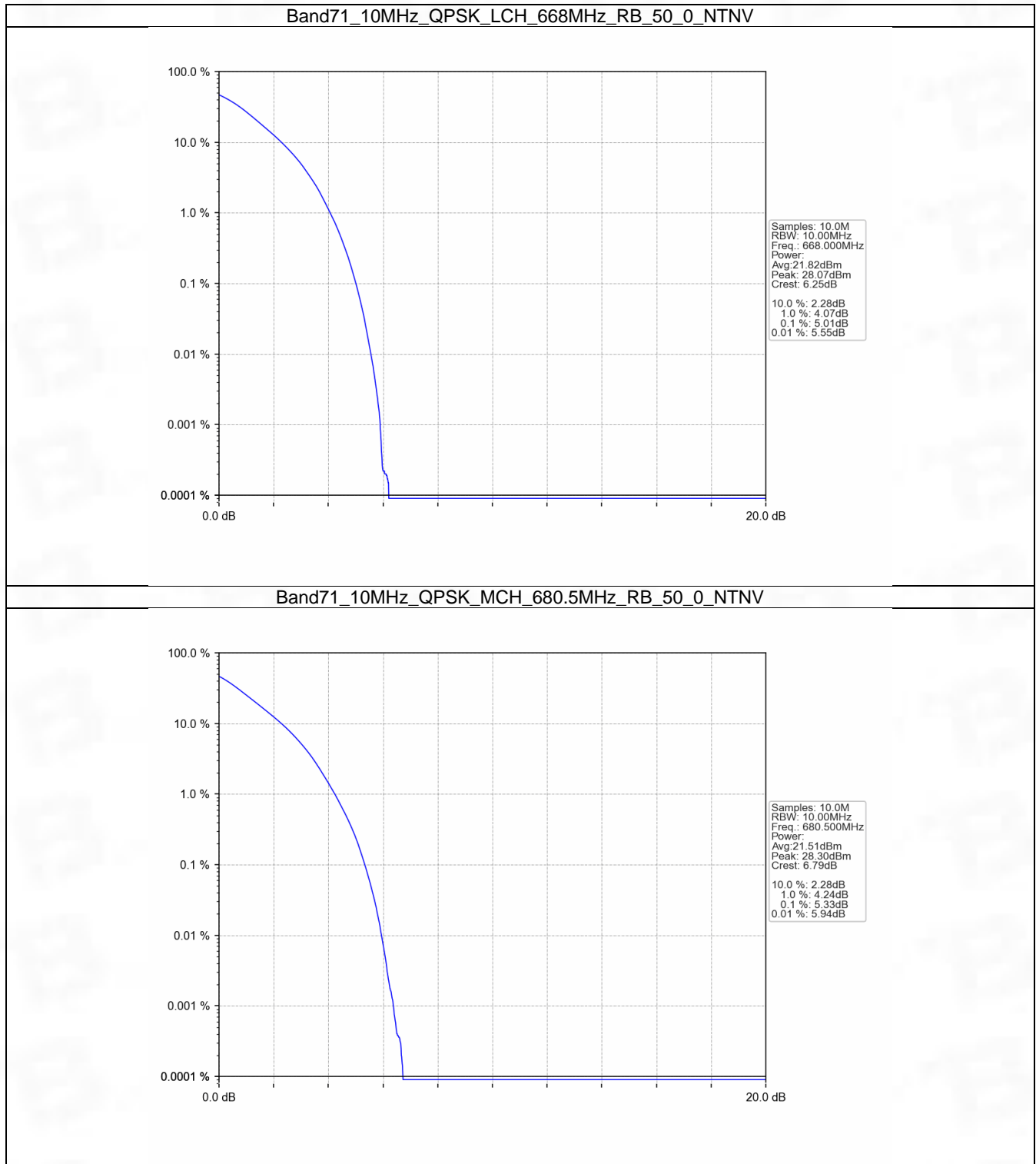
## 5.2 B71\_10MHz

### 5.2.1 Test Result

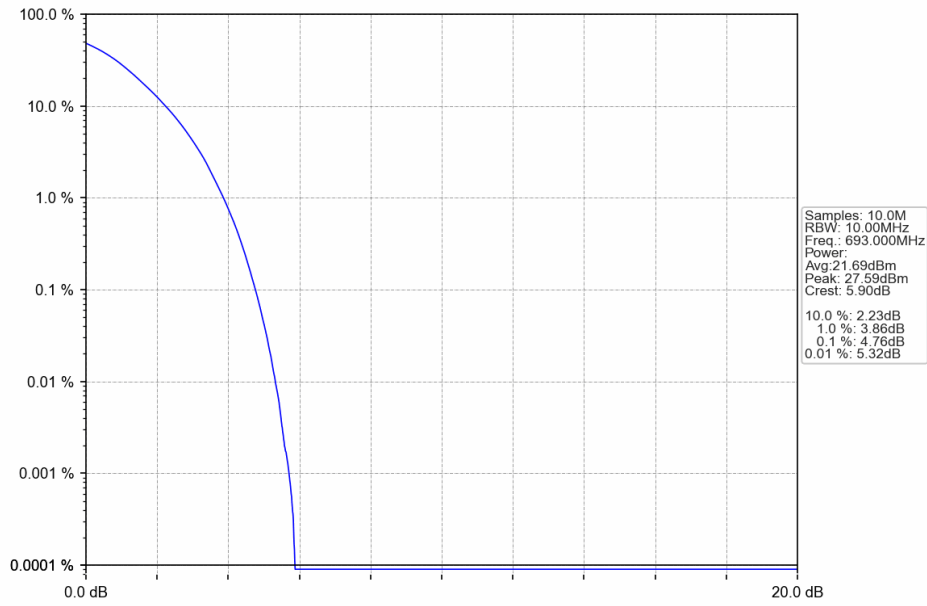
Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.01	<=13	Pass
	680.5	50	0	5.33	<=13	Pass
	693	50	0	4.76	<=13	Pass
16QAM	668	50	0	5.71	<=13	Pass
	680.5	50	0	6.02	<=13	Pass
	693	50	0	5.46	<=13	Pass



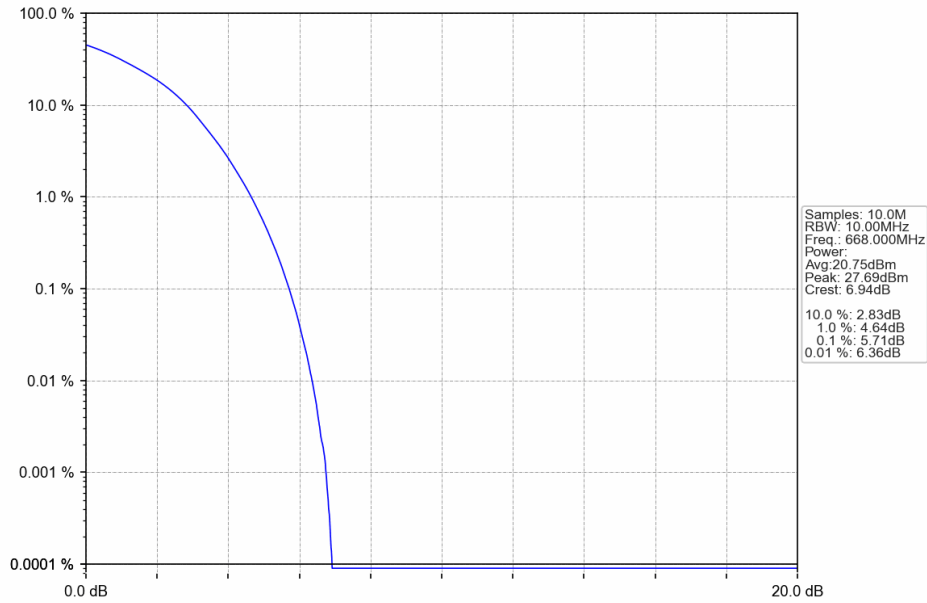
## 5.2.2 Test Graph



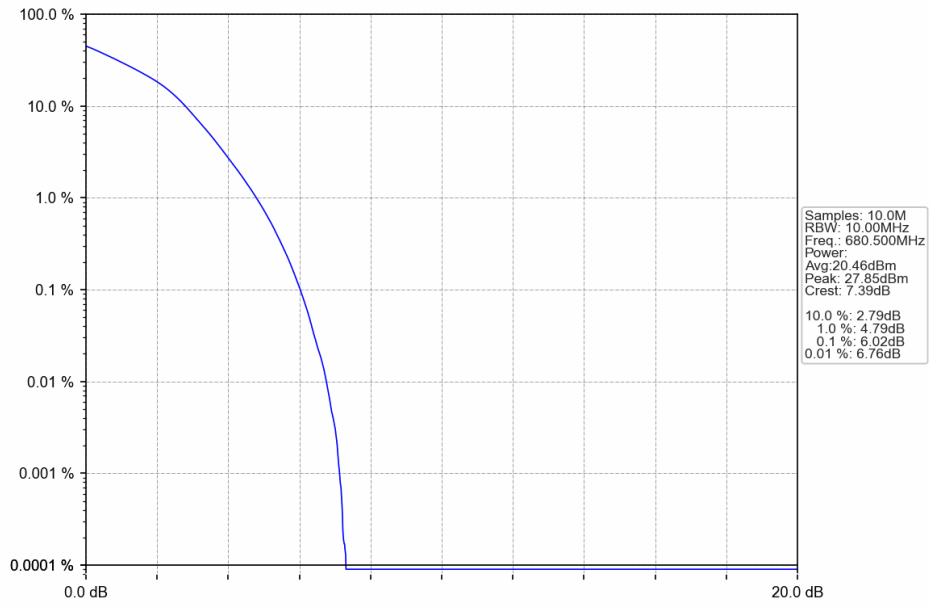
Band71\_10MHz\_QPSK\_HCH\_693MHz\_RB\_50\_0\_NTNV



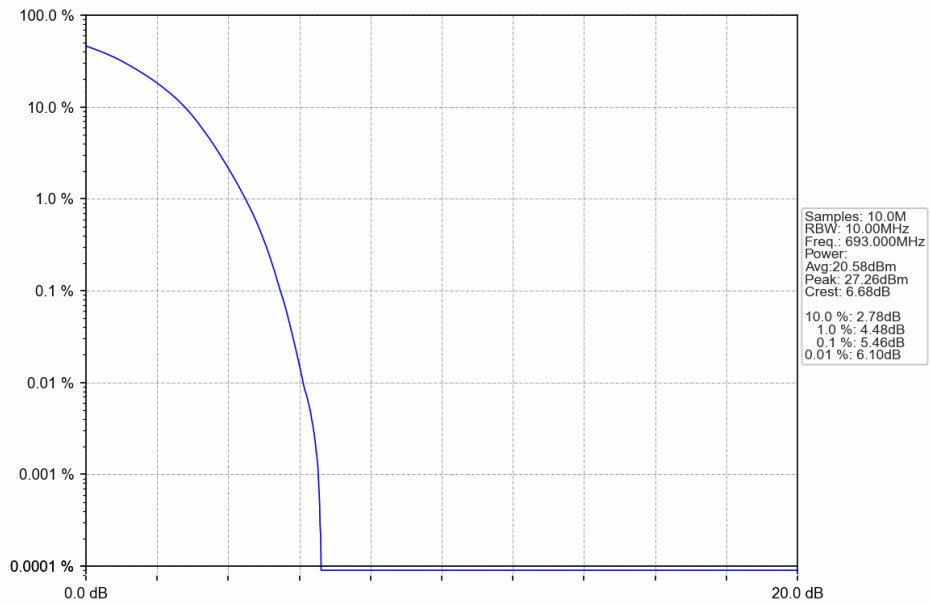
Band71\_10MHz\_16QAM\_LCH\_668MHz\_RB\_50\_0\_NTNV



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



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

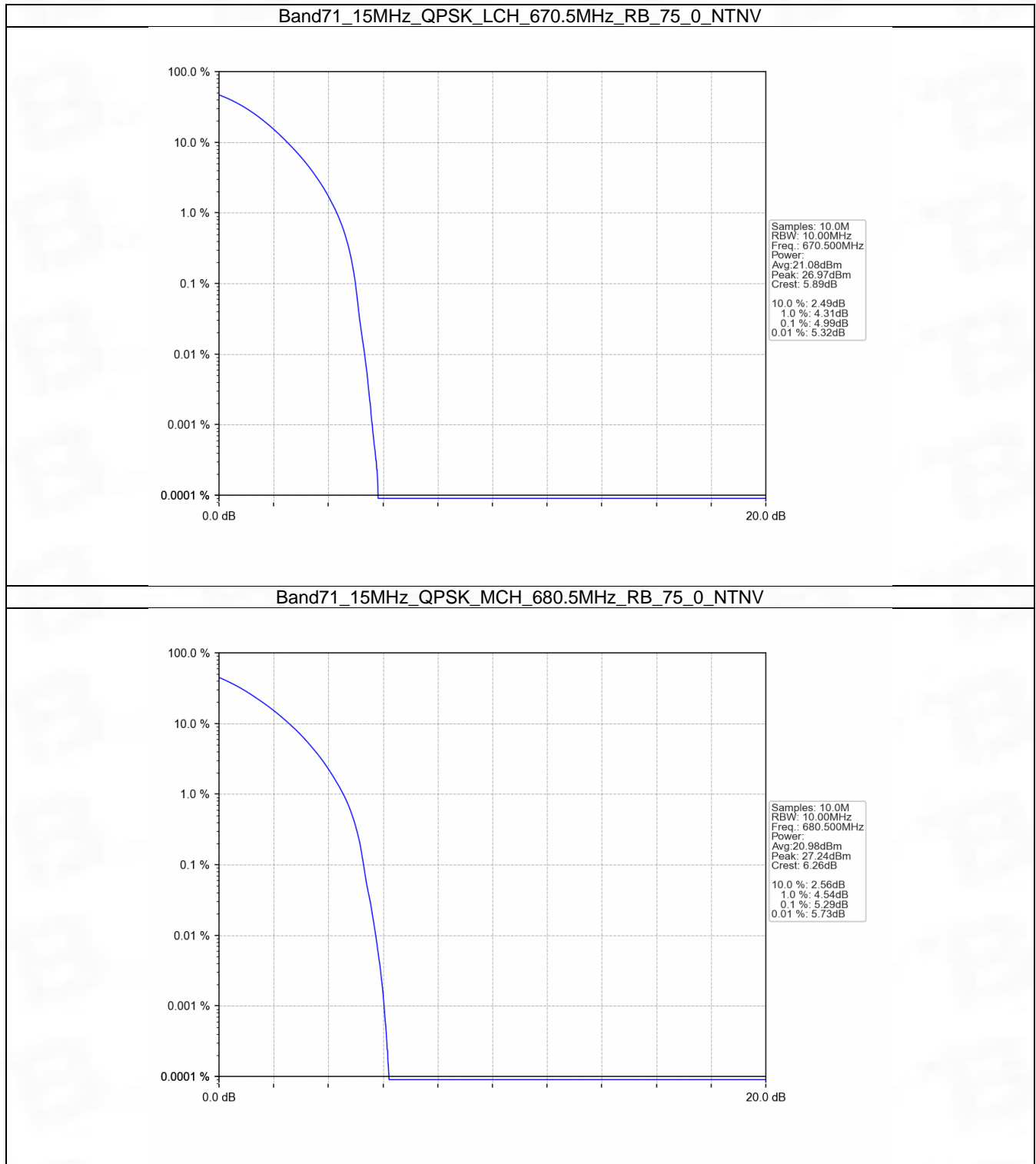


## 5.3 B71\_15MHz

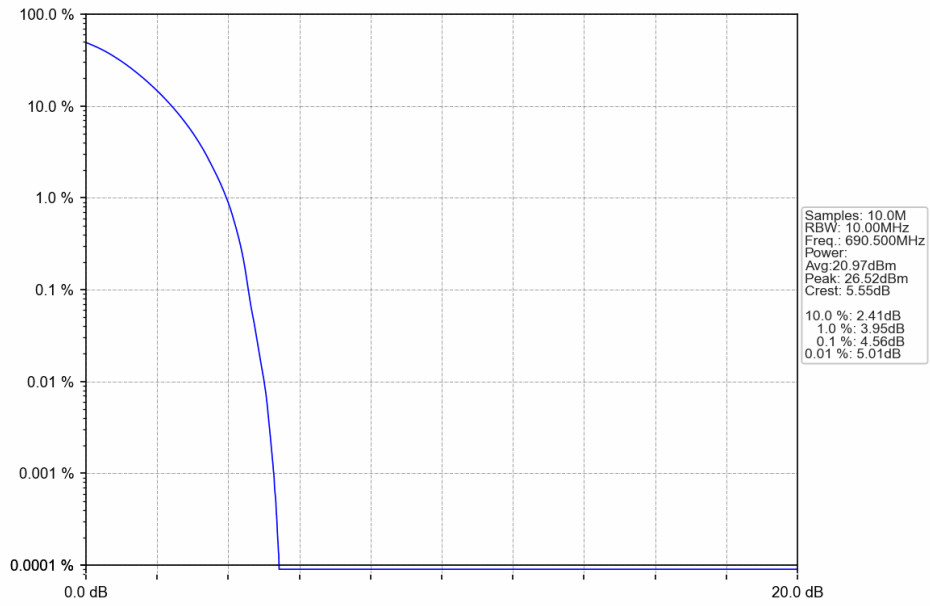
### 5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	4.99	<=13	Pass
	680.5	75	0	5.29	<=13	Pass
	690.5	75	0	4.56	<=13	Pass
16QAM	670.5	75	0	5.74	<=13	Pass
	680.5	75	0	5.99	<=13	Pass
	690.5	75	0	5.47	<=13	Pass

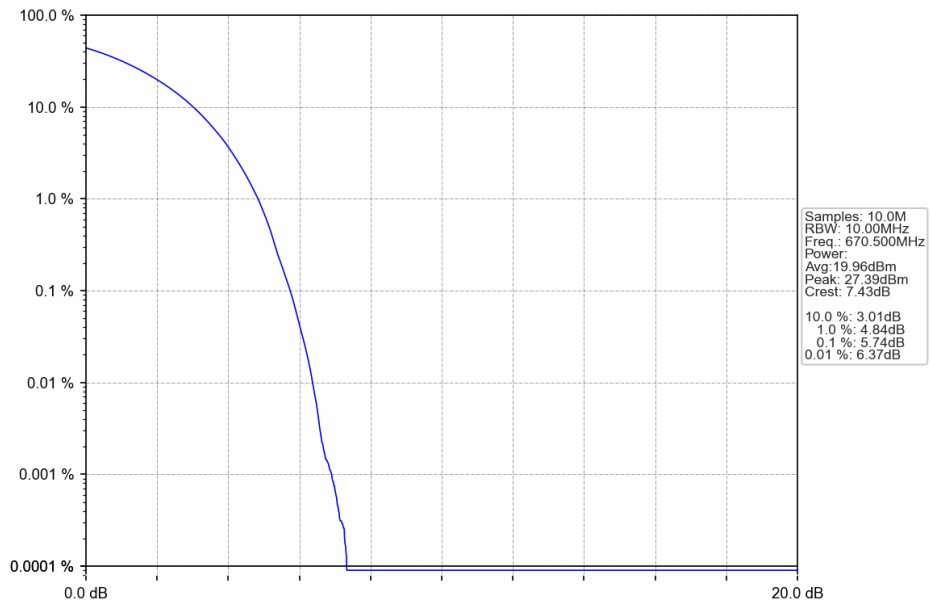
### 5.3.2 Test Graph



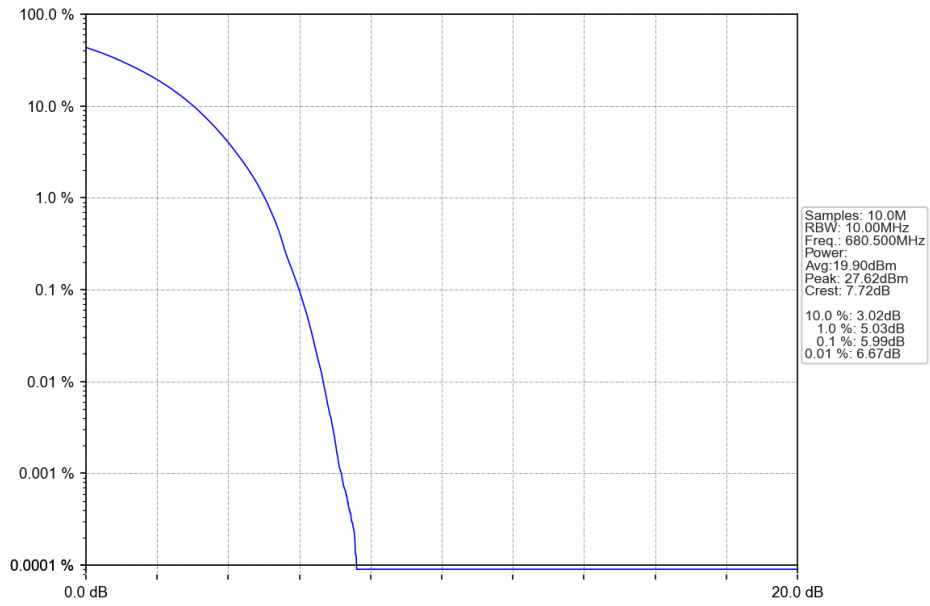
Band71\_15MHz\_QPSK\_HCH\_690.5MHz\_RB\_75\_0\_NTNV



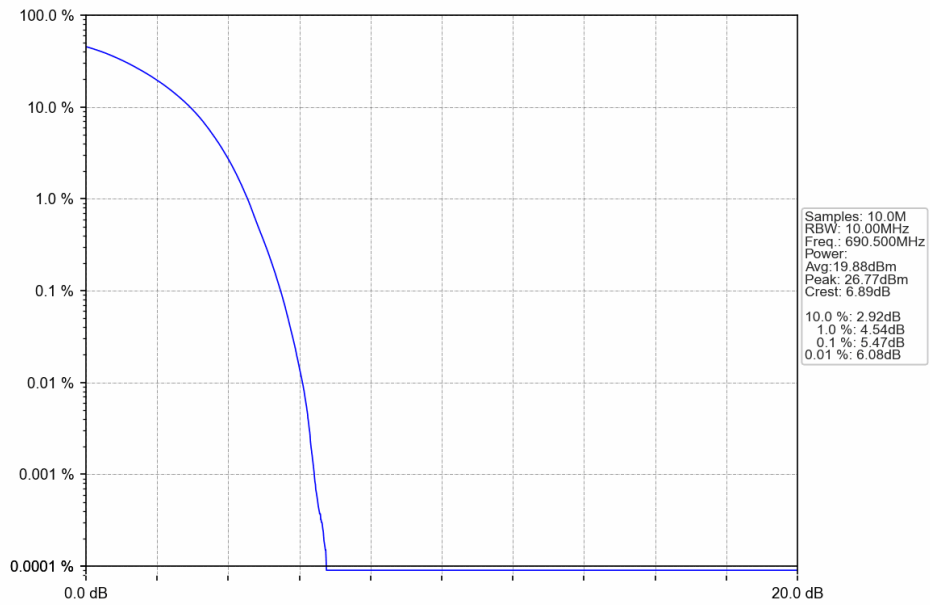
Band71\_15MHz\_16QAM\_LCH\_670.5MHz\_RB\_75\_0\_NTNV



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



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



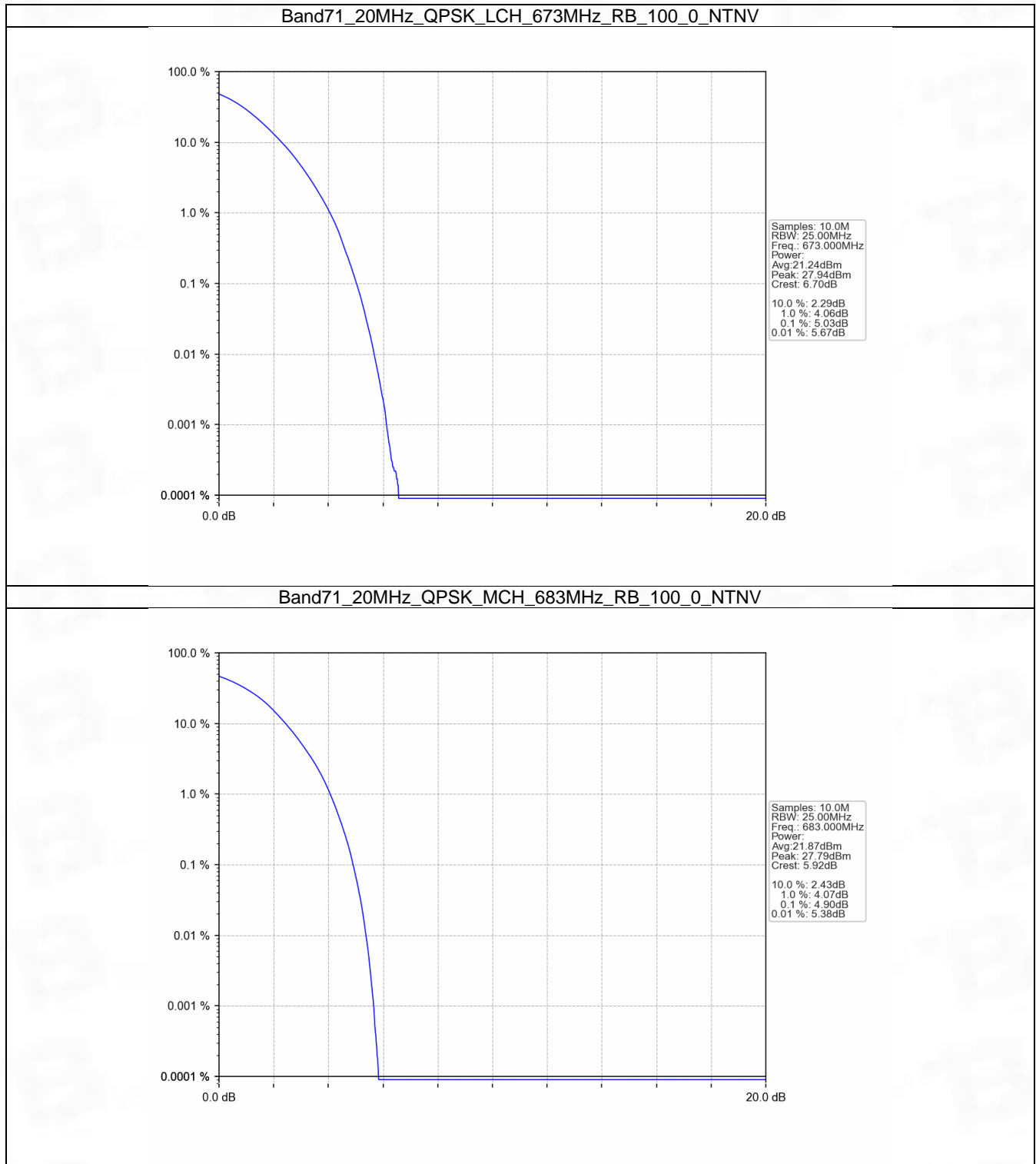
## 5.4 B71\_20MHz

### 5.4.1 Test Result

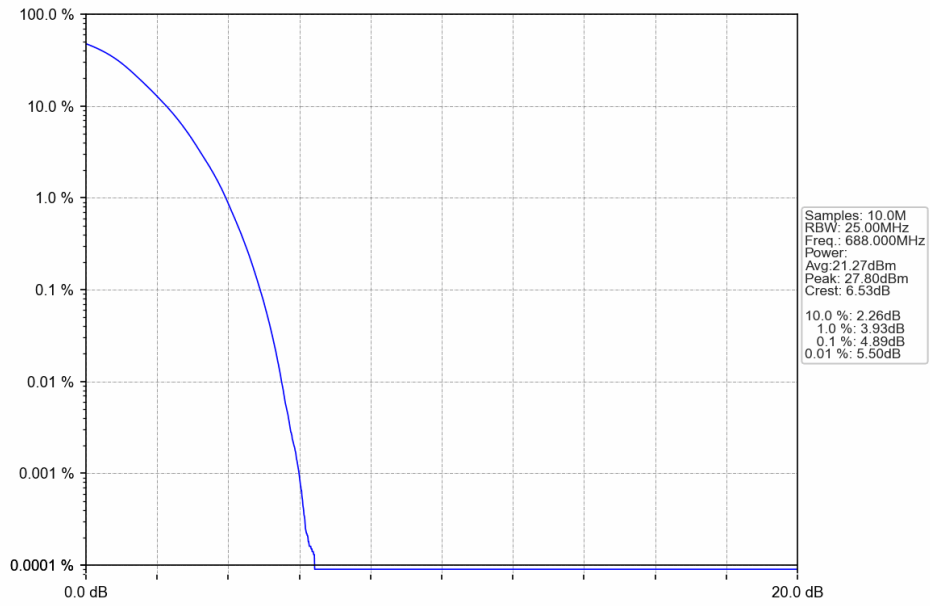
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.03	<=13	Pass
	683	100	0	4.90	<=13	Pass
	688	100	0	4.89	<=13	Pass
16QAM	673	100	0	5.76	<=13	Pass
	683	100	0	5.60	<=13	Pass
	688	100	0	5.58	<=13	Pass



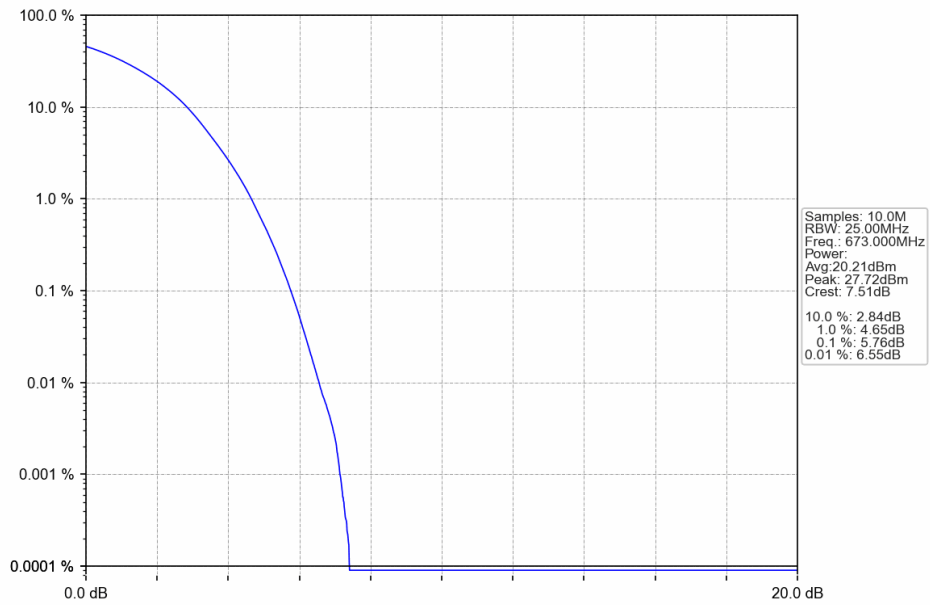
### 5.4.2 Test Graph



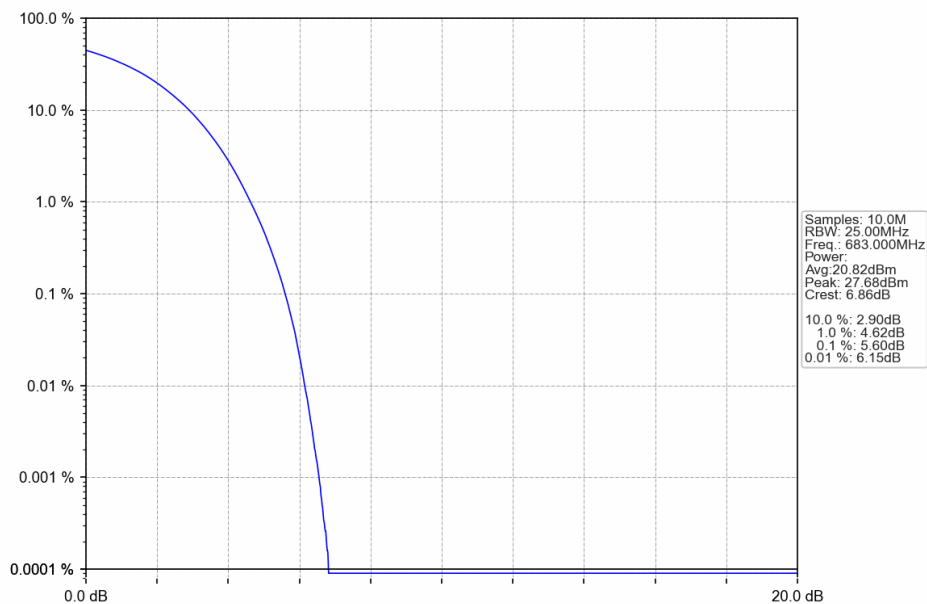
Band71\_20MHz\_QPSK\_HCH\_688MHz\_RB\_100\_0\_NTNV



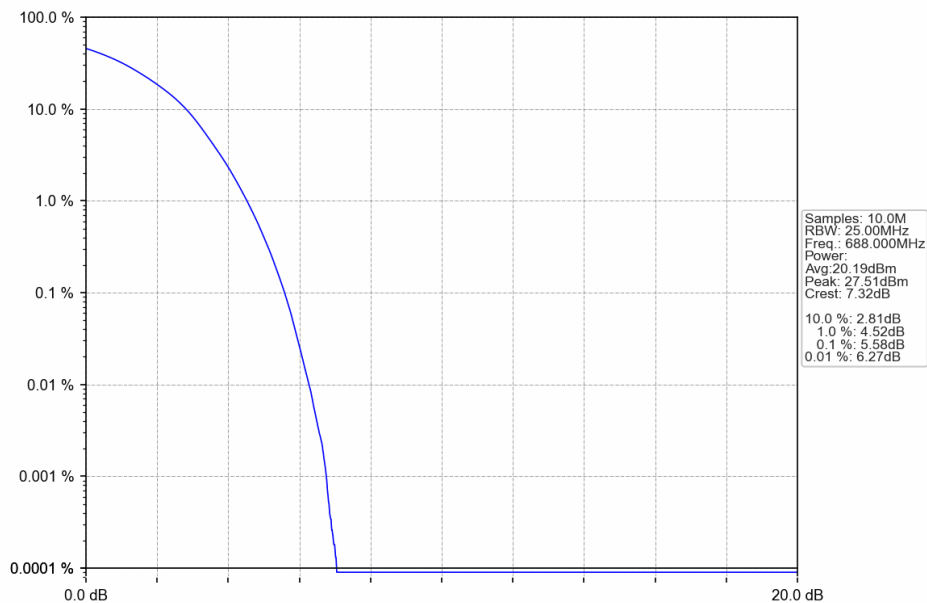
Band71\_20MHz\_16QAM\_LCH\_673MHz\_RB\_100\_0\_NTNV



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



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



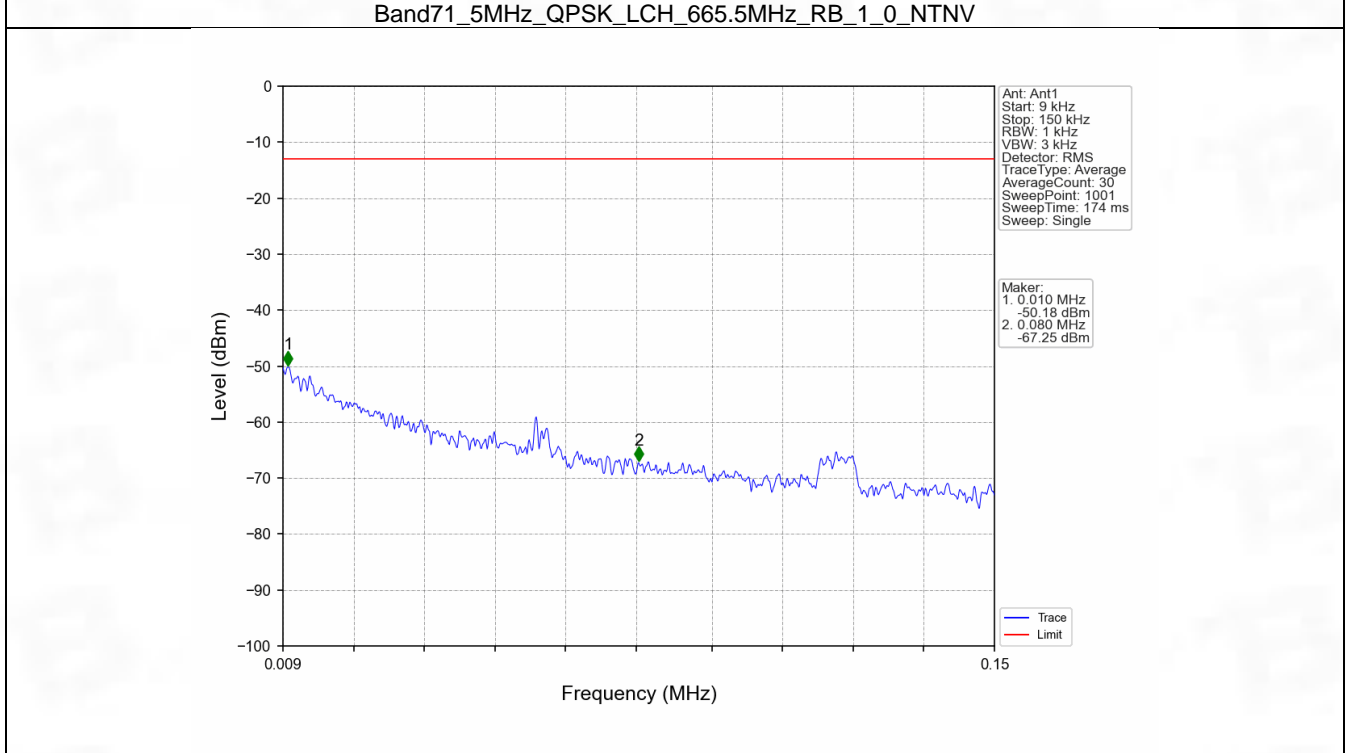
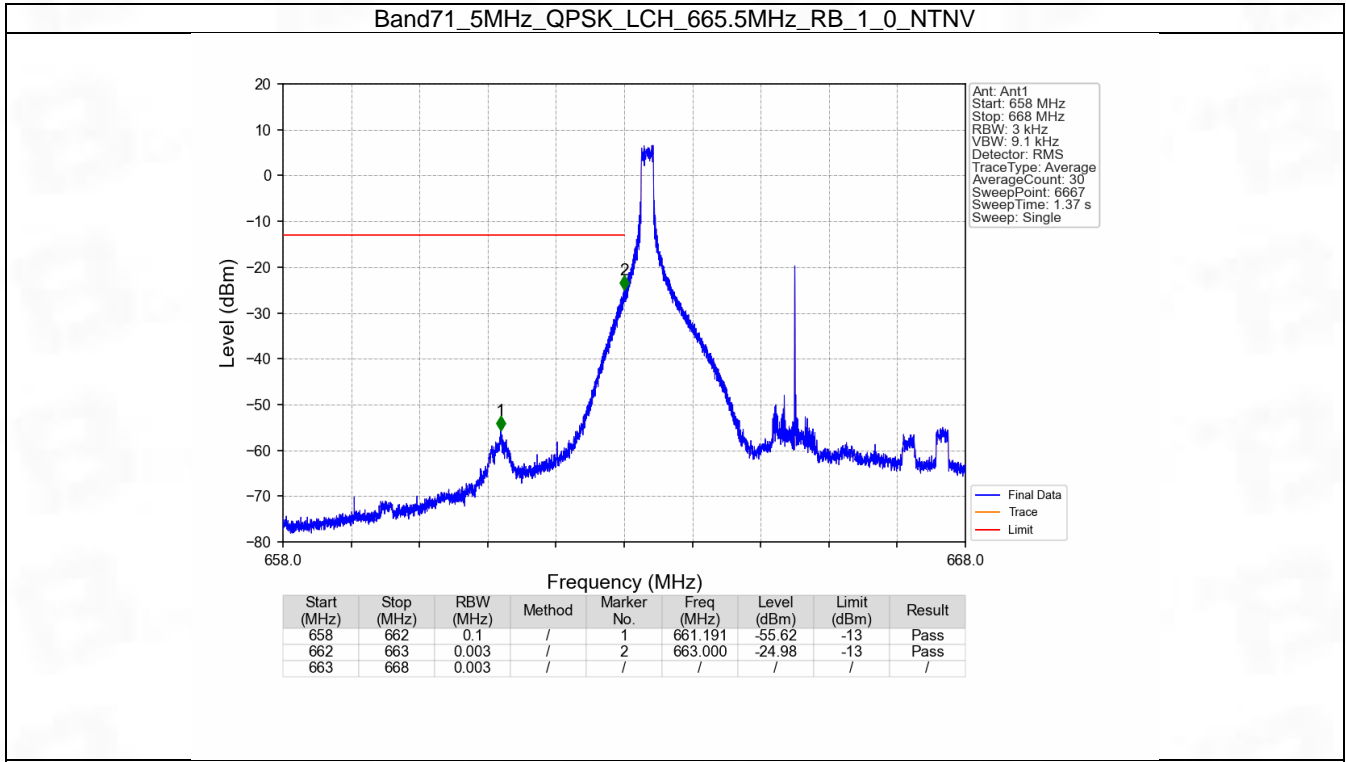
## 6. Spurious Emission

### 6.1 B71\_5MHz

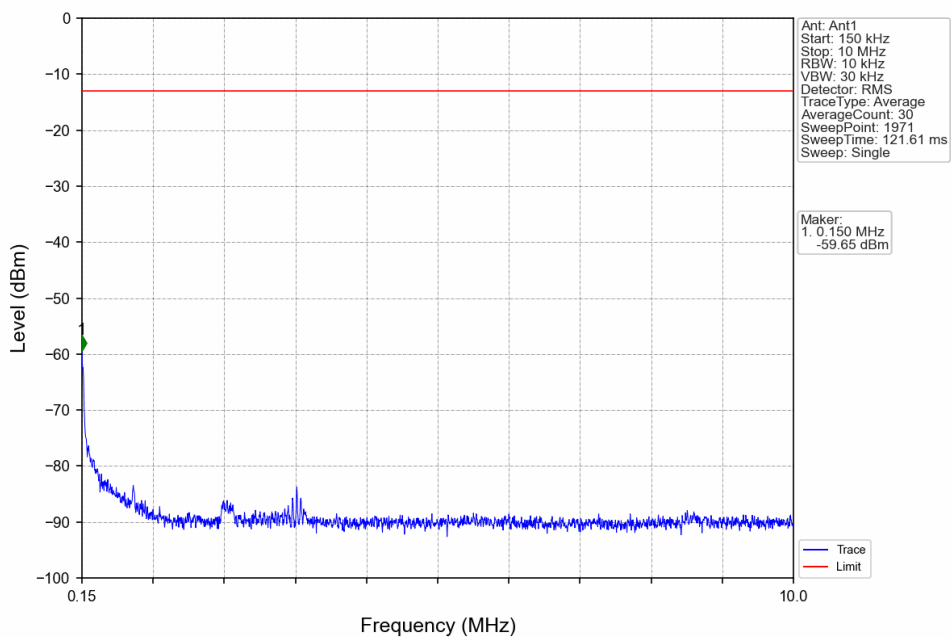
#### 6.1.1 Test Result

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

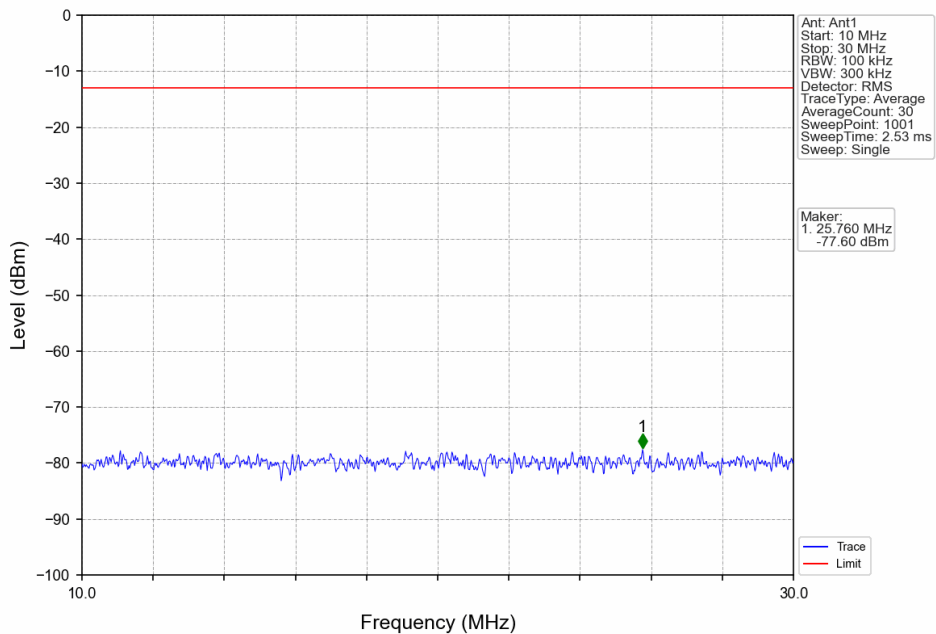
### 6.1.2 Test Graph



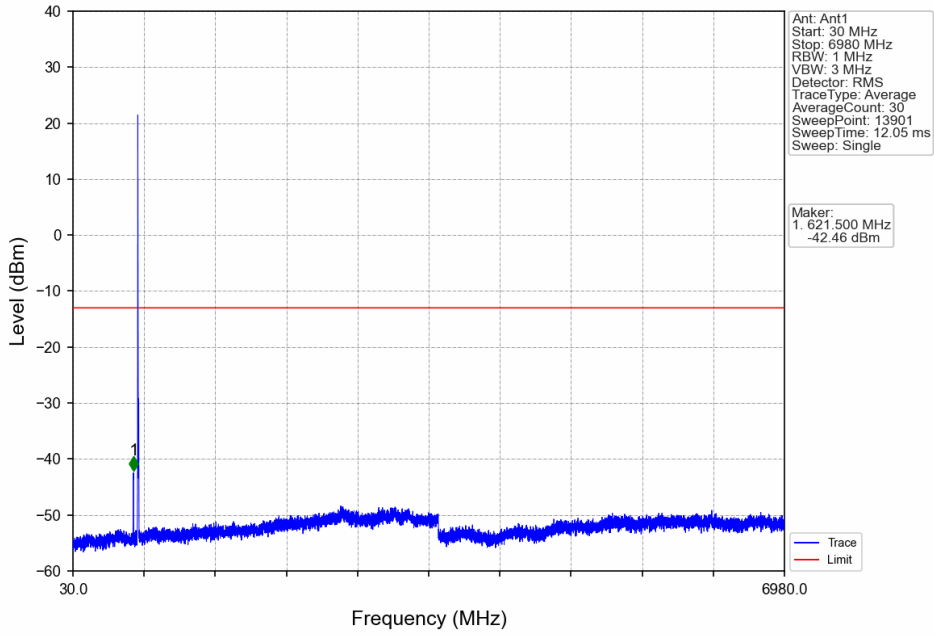
Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



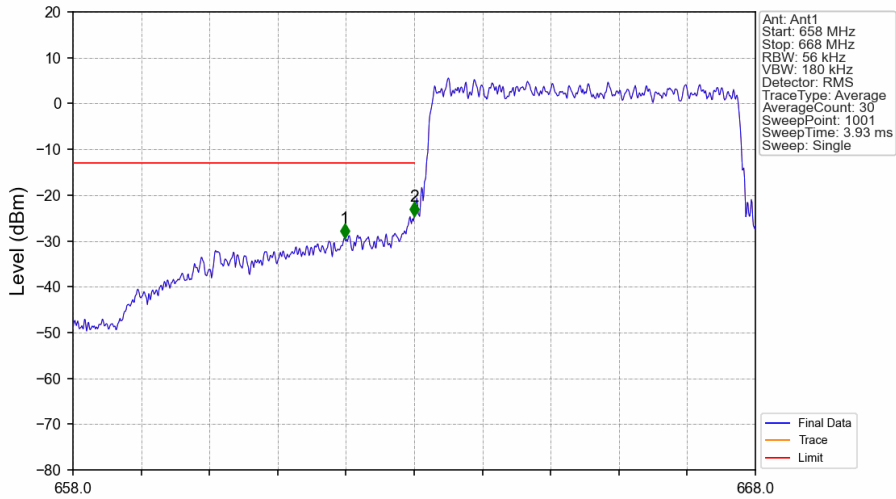
Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



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

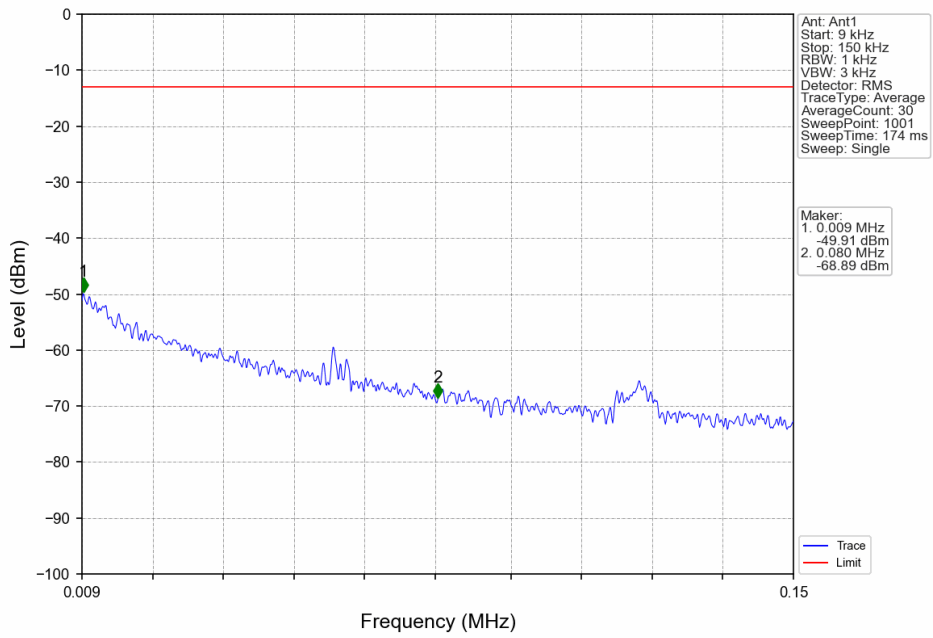


Band71\_5MHz\_QPSK\_LCH\_665.5MHz\_RB\_25\_0\_NTNV

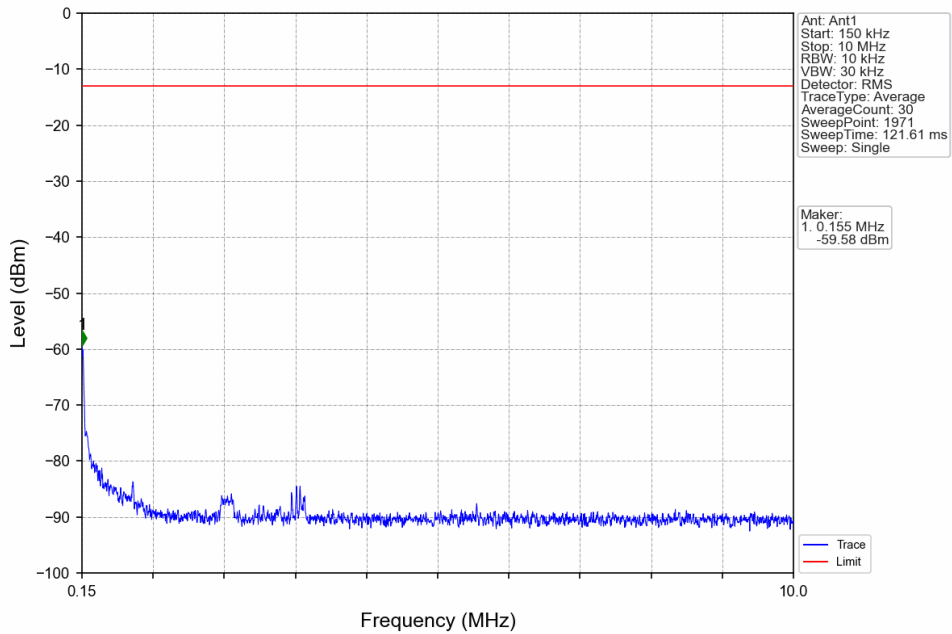


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	/	1	661.980	-29.40	-13	Pass
662	663	0.056	/	2	663.000	-24.70	-13	Pass
663	668	0.056	/	/	/	/	/	/

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

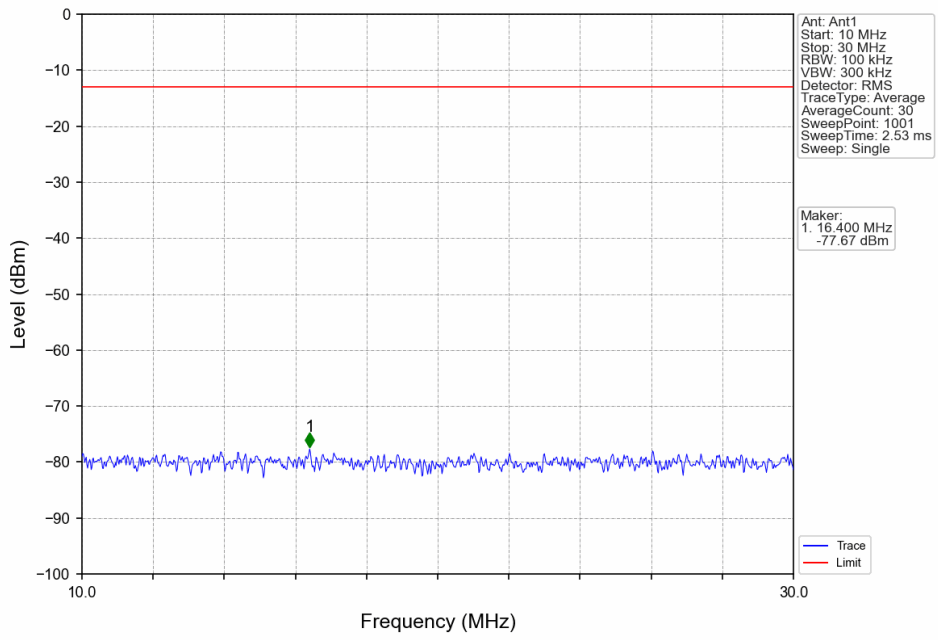


Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV

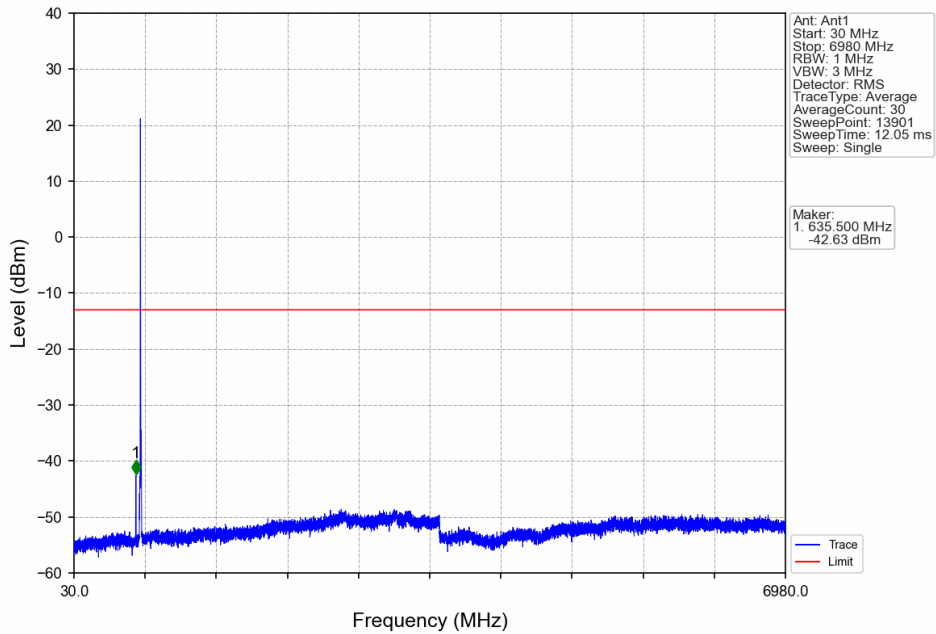




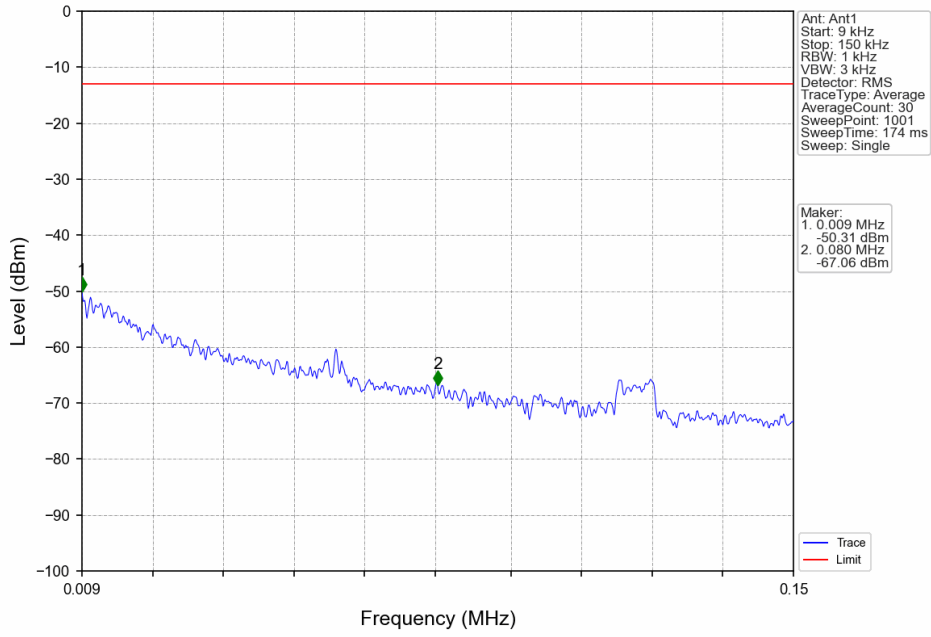
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



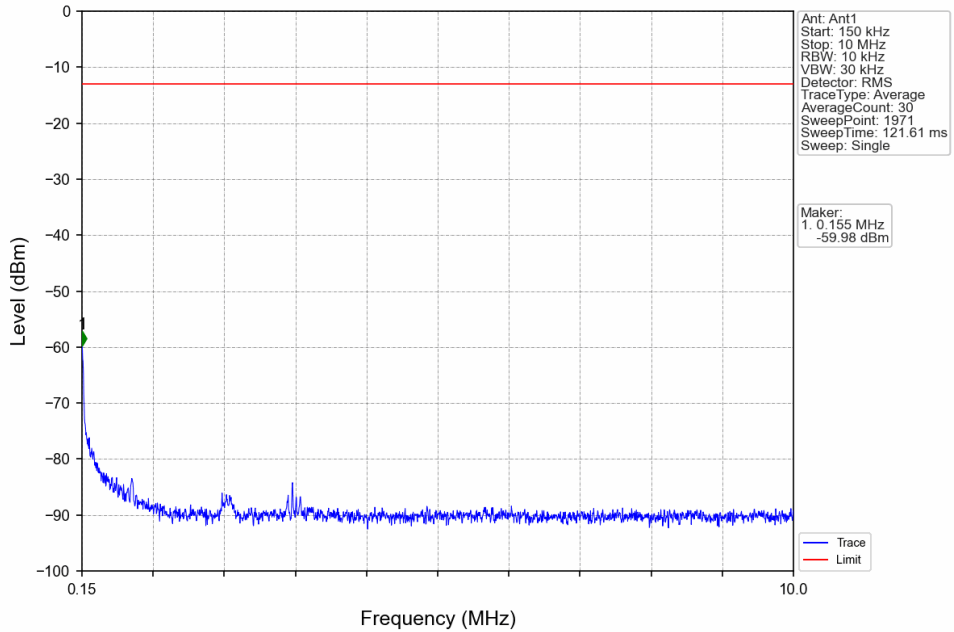
Band71\_5MHz\_QPSK\_MCH\_680.5MHz\_RB\_1\_0\_NTNV



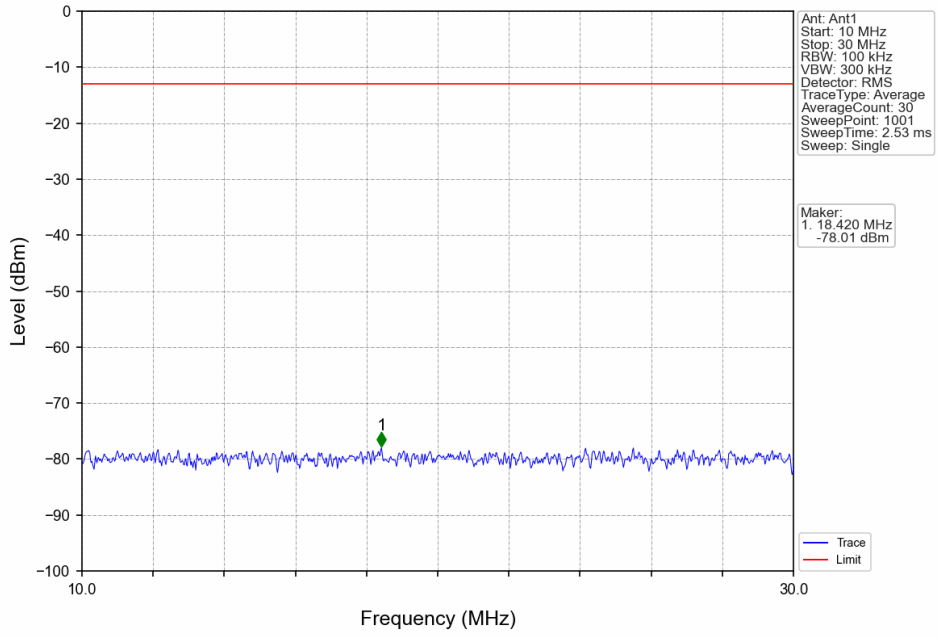
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



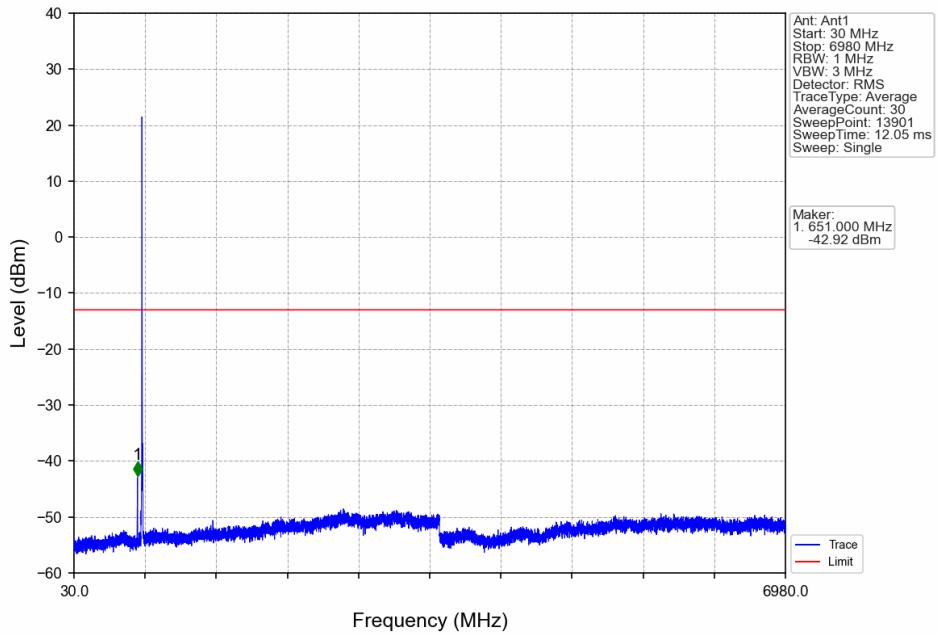
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



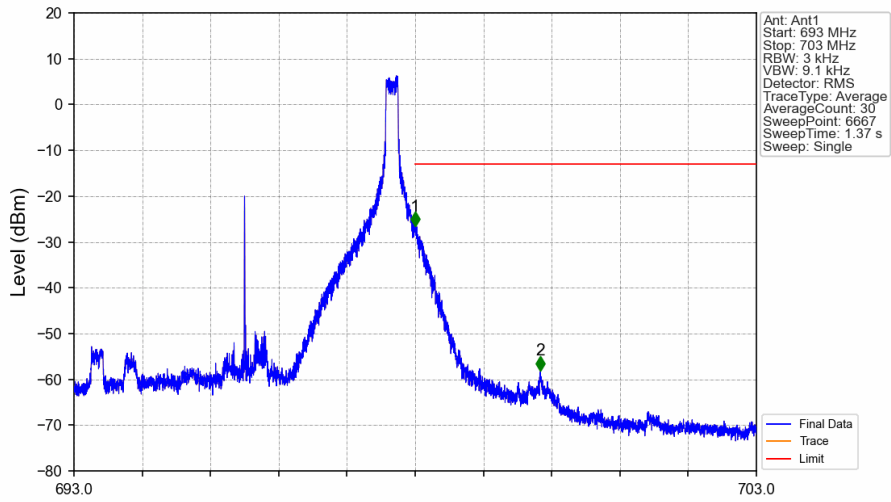
Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_0\_NTNV



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

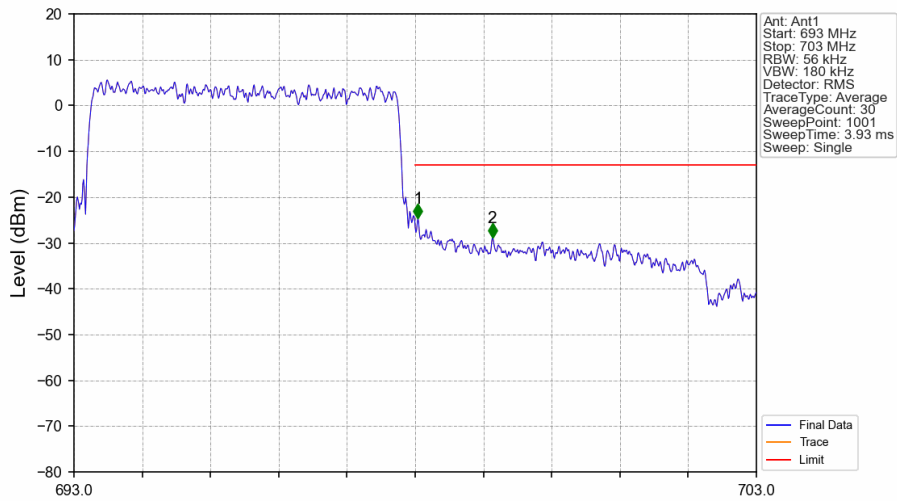


Band71\_5MHz\_QPSK\_HCH\_695.5MHz\_RB\_1\_24\_NTNV



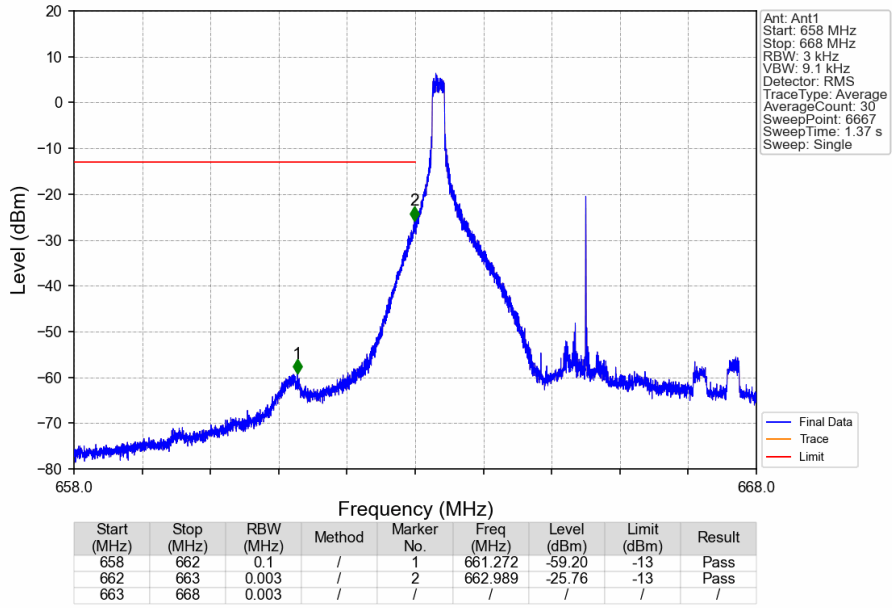
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-26.60	-13	Pass
699	703	0.1	/	2	699.836	-58.05	-13	Pass

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

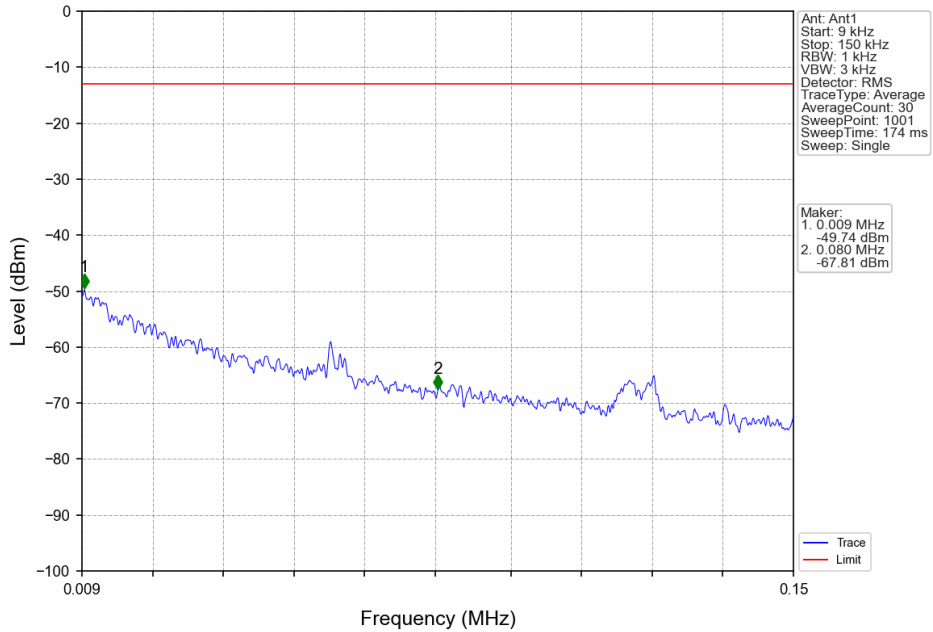


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.040	-24.63	-13	Pass
699	703	0.1	/	2	699.130	-28.85	-13	Pass

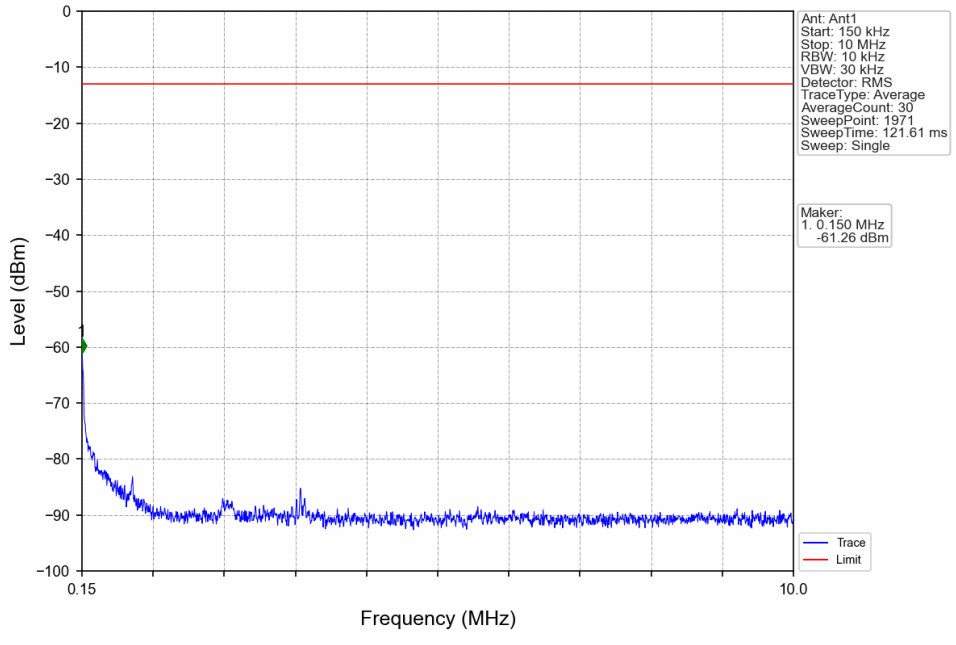
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



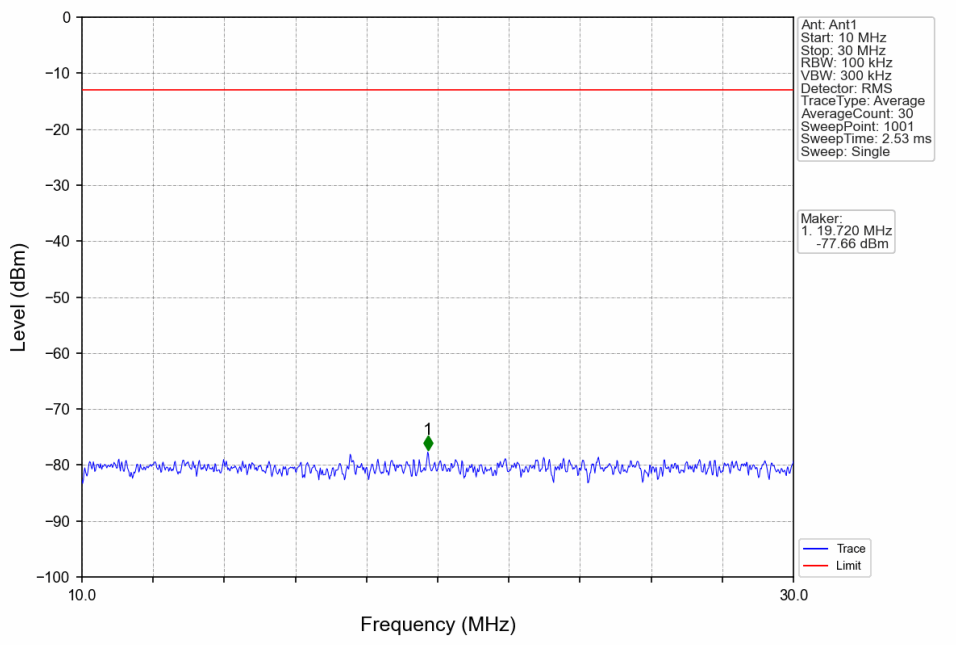
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



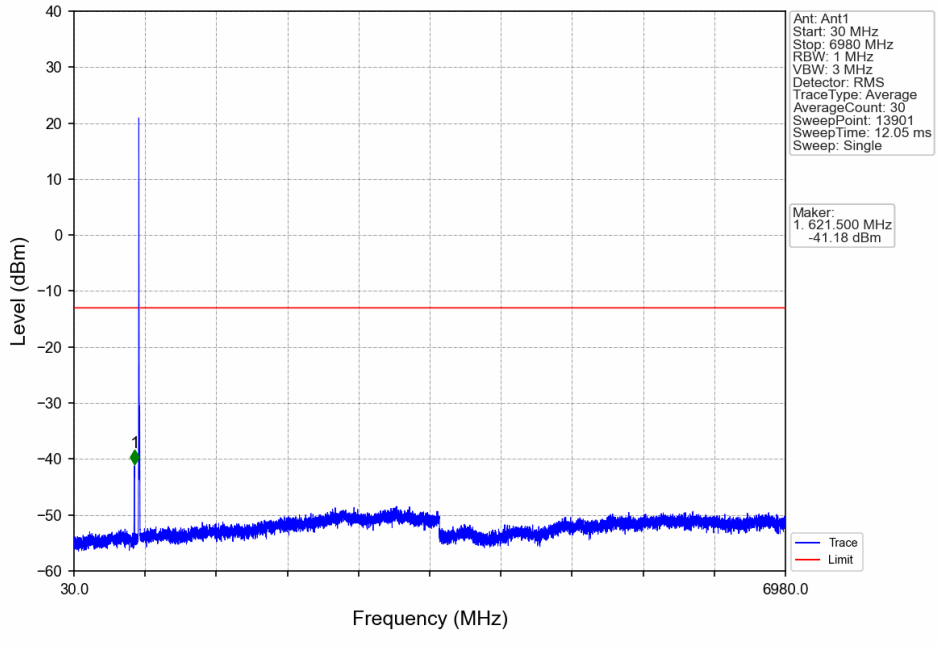
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



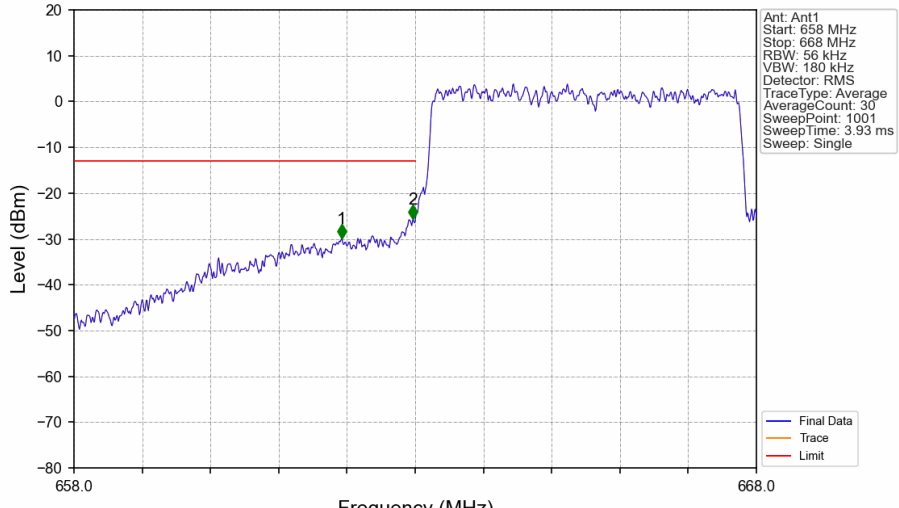
Band71\_5MHz\_16QAM\_LCH\_665.5MHz\_RB\_1\_0\_NTNV



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	661.920	-29.95	-13	Pass
662	663	0.056	/	2	662.970	-25.67	-13	Pass
663	668	0.056	/	/	/	/	/	/