



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	21.33	-1.37	17.81	<=34.77	Pass		
			13	21.39	-1.37	17.87	<=34.77	Pass		
			24	21.46	-1.37	17.94	<=34.77	Pass		
		12	0	20.52	-1.37	17.00	<=34.77	Pass		
			6	20.51	-1.37	16.99	<=34.77	Pass		
			13	20.46	-1.37	16.94	<=34.77	Pass		
		25	0	20.49	-1.37	16.97	<=34.77	Pass		
		680.5	1	0	21.34	-1.37	17.82	<=34.77	Pass	
				13	21.48	-1.37	17.96	<=34.77	Pass	
	24			21.47	-1.37	17.95	<=34.77	Pass		
	12		0	20.74	-1.37	17.22	<=34.77	Pass		
			6	20.69	-1.37	17.17	<=34.77	Pass		
			13	20.71	-1.37	17.19	<=34.77	Pass		
	25		0	20.62	-1.37	17.10	<=34.77	Pass		
	695.5		1	0	21.56	-1.37	18.04	<=34.77	Pass	
				13	21.44	-1.37	17.92	<=34.77	Pass	
		24		21.57	-1.37	18.05	<=34.77	Pass		
		12	0	20.76	-1.37	17.24	<=34.77	Pass		
			6	20.72	-1.37	17.20	<=34.77	Pass		
			13	20.80	-1.37	17.28	<=34.77	Pass		
		25	0	20.67	-1.37	17.15	<=34.77	Pass		
		16QAM	665.5	1	0	21.02	-1.37	17.50	<=34.77	Pass
					13	20.92	-1.37	17.40	<=34.77	Pass
	24				21.00	-1.37	17.48	<=34.77	Pass	
	12			0	19.35	-1.37	15.83	<=34.77	Pass	
				6	19.47	-1.37	15.95	<=34.77	Pass	
				13	19.49	-1.37	15.97	<=34.77	Pass	
25	0			19.47	-1.37	15.95	<=34.77	Pass		
680.5	1			0	20.38	-1.37	16.86	<=34.77	Pass	
				13	20.57	-1.37	17.05	<=34.77	Pass	
			24	20.47	-1.37	16.95	<=34.77	Pass		
	12		0	19.44	-1.37	15.92	<=34.77	Pass		
			6	19.40	-1.37	15.88	<=34.77	Pass		
			13	19.60	-1.37	16.08	<=34.77	Pass		
	25		0	19.61	-1.37	16.09	<=34.77	Pass		
	695.5		1	0	21.24	-1.37	17.72	<=34.77	Pass	
				13	21.28	-1.37	17.76	<=34.77	Pass	
24				21.38	-1.37	17.86	<=34.77	Pass		
12			0	19.95	-1.37	16.43	<=34.77	Pass		
			6	19.69	-1.37	16.17	<=34.77	Pass		
			13	19.70	-1.37	16.18	<=34.77	Pass		
25			0	19.77	-1.37	16.25	<=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	21.53	-1.37	18.01	<=34.77	Pass		
			25	21.74	-1.37	18.22	<=34.77	Pass		
			49	21.76	-1.37	18.24	<=34.77	Pass		
		25	0	20.37	-1.37	16.85	<=34.77	Pass		
			13	20.66	-1.37	17.14	<=34.77	Pass		
			25	20.64	-1.37	17.12	<=34.77	Pass		
		50	0	20.65	-1.37	17.13	<=34.77	Pass		
		680.5	1	0	21.62	-1.37	18.10	<=34.77	Pass	
				25	21.55	-1.37	18.03	<=34.77	Pass	
	49			21.50	-1.37	17.98	<=34.77	Pass		
	25		0	20.55	-1.37	17.03	<=34.77	Pass		
			13	20.74	-1.37	17.22	<=34.77	Pass		
			25	20.79	-1.37	17.27	<=34.77	Pass		
	50		0	20.79	-1.37	17.27	<=34.77	Pass		
	693		1	0	21.31	-1.37	17.79	<=34.77	Pass	
				25	21.60	-1.37	18.08	<=34.77	Pass	
		49		21.68	-1.37	18.16	<=34.77	Pass		
		25	0	20.61	-1.37	17.09	<=34.77	Pass		
			13	20.77	-1.37	17.25	<=34.77	Pass		
			25	20.77	-1.37	17.25	<=34.77	Pass		
		50	0	20.81	-1.37	17.29	<=34.77	Pass		
		16QAM	668	1	0	20.99	-1.37	17.47	<=34.77	Pass
					25	21.02	-1.37	17.50	<=34.77	Pass
	49				21.14	-1.37	17.62	<=34.77	Pass	
25	0			19.59	-1.37	16.07	<=34.77	Pass		
	13			19.70	-1.37	16.18	<=34.77	Pass		
	25			19.84	-1.37	16.32	<=34.77	Pass		
50	0			19.58	-1.37	16.06	<=34.77	Pass		
680.5	1			0	20.99	-1.37	17.47	<=34.77	Pass	
				25	21.09	-1.37	17.57	<=34.77	Pass	
			49	21.07	-1.37	17.55	<=34.77	Pass		
	25		0	19.62	-1.37	16.10	<=34.77	Pass		
			13	19.66	-1.37	16.14	<=34.77	Pass		
			25	19.65	-1.37	16.13	<=34.77	Pass		
	50		0	19.53	-1.37	16.01	<=34.77	Pass		
	693		1	0	20.67	-1.37	17.15	<=34.77	Pass	
				25	20.73	-1.37	17.21	<=34.77	Pass	
49				20.82	-1.37	17.30	<=34.77	Pass		
25			0	19.70	-1.37	16.18	<=34.77	Pass		
			13	19.89	-1.37	16.37	<=34.77	Pass		
			25	19.89	-1.37	16.37	<=34.77	Pass		
50			0	19.64	-1.37	16.12	<=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	21.59	-1.37	18.07	<=34.77	Pass		
			38	21.68	-1.37	18.16	<=34.77	Pass		
			74	21.64	-1.37	18.12	<=34.77	Pass		
		36	0	20.70	-1.37	17.18	<=34.77	Pass		
			18	20.63	-1.37	17.11	<=34.77	Pass		
			39	20.58	-1.37	17.06	<=34.77	Pass		
		75	0	20.61	-1.37	17.09	<=34.77	Pass		
		680.5	1	0	21.57	-1.37	18.05	<=34.77	Pass	
				38	21.47	-1.37	17.95	<=34.77	Pass	
	74			21.61	-1.37	18.09	<=34.77	Pass		
	36		0	20.48	-1.37	16.96	<=34.77	Pass		
			18	20.67	-1.37	17.15	<=34.77	Pass		
			39	20.66	-1.37	17.14	<=34.77	Pass		
	75		0	20.67	-1.37	17.15	<=34.77	Pass		
	690.5		1	0	21.54	-1.37	18.02	<=34.77	Pass	
				38	21.74	-1.37	18.22	<=34.77	Pass	
		74		21.82	-1.37	18.30	<=34.77	Pass		
		36	0	20.67	-1.37	17.15	<=34.77	Pass		
			18	20.61	-1.37	17.09	<=34.77	Pass		
			39	20.76	-1.37	17.24	<=34.77	Pass		
		75	0	20.63	-1.37	17.11	<=34.77	Pass		
		16QAM	670.5	1	0	21.07	-1.37	17.55	<=34.77	Pass
					38	21.06	-1.37	17.54	<=34.77	Pass
	74				21.25	-1.37	17.73	<=34.77	Pass	
36	0			19.57	-1.37	16.05	<=34.77	Pass		
	18			19.62	-1.37	16.10	<=34.77	Pass		
	39			19.66	-1.37	16.14	<=34.77	Pass		
75	0			19.76	-1.37	16.24	<=34.77	Pass		
680.5	1			0	21.65	-1.37	18.13	<=34.77	Pass	
				38	21.75	-1.37	18.23	<=34.77	Pass	
			74	21.85	-1.37	18.33	<=34.77	Pass		
	36		0	19.54	-1.37	16.02	<=34.77	Pass		
			18	19.55	-1.37	16.03	<=34.77	Pass		
			39	19.48	-1.37	15.96	<=34.77	Pass		
	75		0	19.61	-1.37	16.09	<=34.77	Pass		
	690.5		1	0	21.02	-1.37	17.50	<=34.77	Pass	
				38	21.16	-1.37	17.64	<=34.77	Pass	
74				21.32	-1.37	17.80	<=34.77	Pass		
36			0	20.26	-1.37	16.74	<=34.77	Pass		
			18	19.81	-1.37	16.29	<=34.77	Pass		
			39	20.03	-1.37	16.51	<=34.77	Pass		
75			0	19.67	-1.37	16.15	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B71_20MHz_ERP

1.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	673	1	0	21.45	-1.37	17.93	<=34.77	Pass		
			50	21.49	-1.37	17.97	<=34.77	Pass		
			99	21.59	-1.37	18.07	<=34.77	Pass		
		50	0	20.72	-1.37	17.20	<=34.77	Pass		
			25	20.57	-1.37	17.05	<=34.77	Pass		
			50	20.61	-1.37	17.09	<=34.77	Pass		
		100	0	20.75	-1.37	17.23	<=34.77	Pass		
		683	1	0	21.59	-1.37	18.07	<=34.77	Pass	
				50	21.65	-1.37	18.13	<=34.77	Pass	
	99			21.77	-1.37	18.25	<=34.77	Pass		
	50		0	20.50	-1.37	16.98	<=34.77	Pass		
			25	20.67	-1.37	17.15	<=34.77	Pass		
			50	20.68	-1.37	17.16	<=34.77	Pass		
	100		0	20.78	-1.37	17.26	<=34.77	Pass		
	688		1	0	21.48	-1.37	17.96	<=34.77	Pass	
				50	21.65	-1.37	18.13	<=34.77	Pass	
		99		21.82	-1.37	18.30	<=34.77	Pass		
		50	0	20.72	-1.37	17.20	<=34.77	Pass		
			25	20.73	-1.37	17.21	<=34.77	Pass		
			50	20.93	-1.37	17.41	<=34.77	Pass		
		100	0	20.64	-1.37	17.12	<=34.77	Pass		
		16QAM	673	1	0	20.57	-1.37	17.05	<=34.77	Pass
					50	20.63	-1.37	17.11	<=34.77	Pass
	99				20.64	-1.37	17.12	<=34.77	Pass	
50	0			19.58	-1.37	16.06	<=34.77	Pass		
	25			20.35	-1.37	16.83	<=34.77	Pass		
	50			19.79	-1.37	16.27	<=34.77	Pass		
100	0			20.24	-1.37	16.72	<=34.77	Pass		
683	1			0	20.96	-1.37	17.44	<=34.77	Pass	
				50	21.02	-1.37	17.50	<=34.77	Pass	
			99	21.31	-1.37	17.79	<=34.77	Pass		
	50		0	19.60	-1.37	16.08	<=34.77	Pass		
			25	19.75	-1.37	16.23	<=34.77	Pass		
			50	20.39	-1.37	16.87	<=34.77	Pass		
	100		0	19.76	-1.37	16.24	<=34.77	Pass		
	688		1	0	21.01	-1.37	17.49	<=34.77	Pass	
				50	21.30	-1.37	17.78	<=34.77	Pass	
99				21.17	-1.37	17.65	<=34.77	Pass		
50			0	19.48	-1.37	15.96	<=34.77	Pass		
			25	20.24	-1.37	16.72	<=34.77	Pass		
			50	19.85	-1.37	16.33	<=34.77	Pass		
100			0	20.24	-1.37	16.72	<=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	-28.596	-0.0430	-2.5 to 2.5	Pass
					3.85	-21.586	-0.0324	-2.5 to 2.5	Pass
					4.43	-36.693	-0.0551	-2.5 to 2.5	Pass
				-30	3.85	-47.178	-0.0709	-2.5 to 2.5	Pass
				-20	3.85	-52.457	-0.0788	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				0	3.85	-7.753	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-15.464	-0.0232	-2.5 to 2.5	Pass
				30	3.85	-23.203	-0.0349	-2.5 to 2.5	Pass
				40	3.85	-30.298	-0.0455	-2.5 to 2.5	Pass
	50	3.85	-37.766	-0.0567	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-23.060	-0.0339	-2.5 to 2.5	Pass
					3.85	-44.131	-0.0649	-2.5 to 2.5	Pass
					4.43	-46.306	-0.0680	-2.5 to 2.5	Pass
				-30	3.85	-39.725	-0.0584	-2.5 to 2.5	Pass
				-20	3.85	-37.751	-0.0555	-2.5 to 2.5	Pass
				-10	3.85	-39.182	-0.0576	-2.5 to 2.5	Pass
				0	3.85	-40.641	-0.0597	-2.5 to 2.5	Pass
				10	3.85	-42.014	-0.0617	-2.5 to 2.5	Pass
				30	3.85	-42.515	-0.0625	-2.5 to 2.5	Pass
				40	3.85	-44.689	-0.0657	-2.5 to 2.5	Pass
	50	3.85	-47.507	-0.0698	-2.5 to 2.5	Pass			
	695.5	25	0	20	3.27	-19.541	-0.0281	-2.5 to 2.5	Pass
					3.85	-35.448	-0.0510	-2.5 to 2.5	Pass
					4.43	-36.564	-0.0526	-2.5 to 2.5	Pass
				-30	3.85	-38.667	-0.0556	-2.5 to 2.5	Pass
				-20	3.85	-39.182	-0.0563	-2.5 to 2.5	Pass
				-10	3.85	-40.269	-0.0579	-2.5 to 2.5	Pass
				0	3.85	-41.342	-0.0594	-2.5 to 2.5	Pass
				10	3.85	-44.889	-0.0645	-2.5 to 2.5	Pass
30				3.85	-49.996	-0.0719	-2.5 to 2.5	Pass	
40				3.85	-53.644	-0.0771	-2.5 to 2.5	Pass	
50	3.85	-57.049	-0.0820	-2.5 to 2.5	Pass				
16QAM	665.5	25	0	20	3.27	-46.449	-0.0698	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0061	-2.5 to 2.5	Pass
					4.43	-21.701	-0.0326	-2.5 to 2.5	Pass
				-30	3.85	-38.438	-0.0578	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-14.205	-0.0213	-2.5 to 2.5	Pass
				0	3.85	-28.682	-0.0431	-2.5 to 2.5	Pass
				10	3.85	-42.486	-0.0638	-2.5 to 2.5	Pass
				30	3.85	-54.288	-0.0816	-2.5 to 2.5	Pass
				40	3.85	-12.088	-0.0182	-2.5 to 2.5	Pass
	50	3.85	-24.848	-0.0373	-2.5 to 2.5	Pass			
	680.5	25	0	20	3.27	-51.098	-0.0751	-2.5 to 2.5	Pass
					3.85	-9.828	-0.0144	-2.5 to 2.5	Pass
					4.43	-23.131	-0.0340	-2.5 to 2.5	Pass
				-30	3.85	-35.548	-0.0522	-2.5 to 2.5	Pass
				-20	3.85	-47.221	-0.0694	-2.5 to 2.5	Pass
				-10	3.85	-35.276	-0.0518	-2.5 to 2.5	Pass
				0	3.85	-11.458	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-20.971	-0.0308	-2.5 to 2.5	Pass



	695.5	25	0	30	3.85	-27.952	-0.0411	-2.5 to 2.5	Pass
				40	3.85	-37.365	-0.0549	-2.5 to 2.5	Pass
				50	3.85	-44.532	-0.0654	-2.5 to 2.5	Pass
				20	3.27	-7.882	-0.0113	-2.5 to 2.5	Pass
					3.85	-18.883	-0.0272	-2.5 to 2.5	Pass
					4.43	-30.856	-0.0444	-2.5 to 2.5	Pass
				-30	3.85	-41.971	-0.0603	-2.5 to 2.5	Pass
				-20	3.85	2.432	0.0035	-2.5 to 2.5	Pass
				-10	3.85	-7.067	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-20.871	-0.0300	-2.5 to 2.5	Pass
				10	3.85	-33.317	-0.0479	-2.5 to 2.5	Pass
				30	3.85	-44.432	-0.0639	-2.5 to 2.5	Pass
				40	3.85	3.061	0.0044	-2.5 to 2.5	Pass
				50	3.85	-6.466	-0.0093	-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	33.960	0.0508	-2.5 to 2.5	Pass
					3.85	36.836	0.0551	-2.5 to 2.5	Pass
					4.43	22.345	0.0335	-2.5 to 2.5	Pass
				-30	3.85	19.054	0.0285	-2.5 to 2.5	Pass
				-20	3.85	29.540	0.0442	-2.5 to 2.5	Pass
				-10	3.85	38.009	0.0569	-2.5 to 2.5	Pass
				0	3.85	29.111	0.0436	-2.5 to 2.5	Pass
				10	3.85	18.368	0.0275	-2.5 to 2.5	Pass
				30	3.85	23.646	0.0354	-2.5 to 2.5	Pass
				40	3.85	28.038	0.0420	-2.5 to 2.5	Pass
				50	3.85	9.956	0.0149	-2.5 to 2.5	Pass
				680.5	50	0	20	3.27	-7.238
	3.85	-5.922	-0.0087					-2.5 to 2.5	Pass
	4.43	24.462	0.0359					-2.5 to 2.5	Pass
	-30	3.85	20.642				0.0303	-2.5 to 2.5	Pass
	-20	3.85	30.584				0.0449	-2.5 to 2.5	Pass
	-10	3.85	8.783				0.0129	-2.5 to 2.5	Pass
	0	3.85	39.382				0.0579	-2.5 to 2.5	Pass
	10	3.85	14.706				0.0216	-2.5 to 2.5	Pass
	30	3.85	45.018				0.0662	-2.5 to 2.5	Pass
	40	3.85	21.100				0.0310	-2.5 to 2.5	Pass
	50	3.85	34.304				0.0504	-2.5 to 2.5	Pass
	693	50	0				20	3.27	-23.475
				3.85	-21.443	-0.0309		-2.5 to 2.5	Pass
				4.43	4.549	0.0066		-2.5 to 2.5	Pass
				-30	3.85	41.614	0.0600	-2.5 to 2.5	Pass
				-20	3.85	12.360	0.0178	-2.5 to 2.5	Pass
				-10	3.85	37.808	0.0546	-2.5 to 2.5	Pass
				0	3.85	6.266	0.0090	-2.5 to 2.5	Pass
				10	3.85	30.885	0.0446	-2.5 to 2.5	Pass
30				3.85	4.792	0.0069	-2.5 to 2.5	Pass	



				40	3.85	25.506	0.0368	-2.5 to 2.5	Pass
				50	3.85	45.490	0.0656	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	28.009	0.0419	-2.5 to 2.5	Pass
					3.85	42.229	0.0632	-2.5 to 2.5	Pass
					4.43	37.408	0.0560	-2.5 to 2.5	Pass
				-30	3.85	5.922	0.0089	-2.5 to 2.5	Pass
				-20	3.85	14.362	0.0215	-2.5 to 2.5	Pass
				-10	3.85	17.724	0.0265	-2.5 to 2.5	Pass
				0	3.85	17.323	0.0259	-2.5 to 2.5	Pass
				10	3.85	20.056	0.0300	-2.5 to 2.5	Pass
				30	3.85	24.519	0.0367	-2.5 to 2.5	Pass
				40	3.85	24.290	0.0364	-2.5 to 2.5	Pass
	50	3.85	20.742	0.0311	-2.5 to 2.5	Pass			
	680.5	50	0	20	3.27	27.123	0.0399	-2.5 to 2.5	Pass
					3.85	1.717	0.0025	-2.5 to 2.5	Pass
					4.43	29.898	0.0439	-2.5 to 2.5	Pass
				-30	3.85	22.988	0.0338	-2.5 to 2.5	Pass
				-20	3.85	36.092	0.0530	-2.5 to 2.5	Pass
				-10	3.85	6.995	0.0103	-2.5 to 2.5	Pass
				0	3.85	31.757	0.0467	-2.5 to 2.5	Pass
				10	3.85	3.662	0.0054	-2.5 to 2.5	Pass
				30	3.85	28.939	0.0425	-2.5 to 2.5	Pass
				40	3.85	20.900	0.0307	-2.5 to 2.5	Pass
	50	3.85	22.302	0.0328	-2.5 to 2.5	Pass			
	693	50	0	20	3.27	10.271	0.0148	-2.5 to 2.5	Pass
					3.85	36.650	0.0529	-2.5 to 2.5	Pass
					4.43	10.958	0.0158	-2.5 to 2.5	Pass
				-30	3.85	31.500	0.0455	-2.5 to 2.5	Pass
				-20	3.85	48.480	0.0700	-2.5 to 2.5	Pass
				-10	3.85	7.381	0.0107	-2.5 to 2.5	Pass
				0	3.85	25.134	0.0363	-2.5 to 2.5	Pass
				10	3.85	40.398	0.0583	-2.5 to 2.5	Pass
30				3.85	-27.924	-0.0403	-2.5 to 2.5	Pass	
40				3.85	-32.430	-0.0468	-2.5 to 2.5	Pass	
50	3.85	-22.287	-0.0322	-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	-30.499	-0.0455	-2.5 to 2.5	Pass
					3.85	-34.089	-0.0508	-2.5 to 2.5	Pass
					4.43	-40.340	-0.0602	-2.5 to 2.5	Pass
				-30	3.85	-33.960	-0.0506	-2.5 to 2.5	Pass
				-20	3.85	-20.456	-0.0305	-2.5 to 2.5	Pass
				-10	3.85	-9.670	-0.0144	-2.5 to 2.5	Pass
				0	3.85	-45.147	-0.0673	-2.5 to 2.5	Pass
				10	3.85	-24.076	-0.0359	-2.5 to 2.5	Pass
				30	3.85	-42.815	-0.0639	-2.5 to 2.5	Pass
				40	3.85	-23.746	-0.0354	-2.5 to 2.5	Pass



Test Report Number: BTF240419R00204

	680.5	75	0	50	3.85	-39.067	-0.0583	-2.5 to 2.5	Pass
				20	3.27	-30.484	-0.0448	-2.5 to 2.5	Pass
					3.85	-28.939	-0.0425	-2.5 to 2.5	Pass
					4.43	-12.174	-0.0179	-2.5 to 2.5	Pass
				-30	3.85	-9.069	-0.0133	-2.5 to 2.5	Pass
				-20	3.85	-14.491	-0.0213	-2.5 to 2.5	Pass
				-10	3.85	-22.388	-0.0329	-2.5 to 2.5	Pass
				0	3.85	-30.513	-0.0448	-2.5 to 2.5	Pass
				10	3.85	-37.050	-0.0544	-2.5 to 2.5	Pass
				30	3.85	-44.317	-0.0651	-2.5 to 2.5	Pass
	40	3.85	-37.851	-0.0556	-2.5 to 2.5	Pass			
	50	3.85	-46.034	-0.0676	-2.5 to 2.5	Pass			
	690.5	75	0	20	3.27	-26.121	-0.0378	-2.5 to 2.5	Pass
					3.85	-38.567	-0.0559	-2.5 to 2.5	Pass
					4.43	-25.649	-0.0371	-2.5 to 2.5	Pass
				-30	3.85	-17.567	-0.0254	-2.5 to 2.5	Pass
				-20	3.85	-9.084	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0027	-2.5 to 2.5	Pass
				0	3.85	6.809	0.0099	-2.5 to 2.5	Pass
				10	3.85	13.833	0.0200	-2.5 to 2.5	Pass
30				3.85	17.524	0.0254	-2.5 to 2.5	Pass	
40				3.85	19.240	0.0279	-2.5 to 2.5	Pass	
50	3.85	22.244	0.0322	-2.5 to 2.5	Pass				
16QAM	670.5	75	0	20	3.27	-24.405	-0.0364	-2.5 to 2.5	Pass
					3.85	-12.088	-0.0180	-2.5 to 2.5	Pass
					4.43	-40.956	-0.0611	-2.5 to 2.5	Pass
				-30	3.85	-34.490	-0.0514	-2.5 to 2.5	Pass
				-20	3.85	-2.975	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-28.367	-0.0423	-2.5 to 2.5	Pass
				0	3.85	-46.463	-0.0693	-2.5 to 2.5	Pass
				10	3.85	-24.476	-0.0365	-2.5 to 2.5	Pass
				30	3.85	-51.370	-0.0766	-2.5 to 2.5	Pass
				40	3.85	-21.129	-0.0315	-2.5 to 2.5	Pass
	50	3.85	-42.529	-0.0634	-2.5 to 2.5	Pass			
	680.5	75	0	20	3.27	-18.153	-0.0267	-2.5 to 2.5	Pass
					3.85	-17.438	-0.0256	-2.5 to 2.5	Pass
					4.43	-33.174	-0.0487	-2.5 to 2.5	Pass
				-30	3.85	-44.260	-0.0650	-2.5 to 2.5	Pass
				-20	3.85	-2.246	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-20.013	-0.0294	-2.5 to 2.5	Pass
				0	3.85	-36.807	-0.0541	-2.5 to 2.5	Pass
				10	3.85	-36.893	-0.0542	-2.5 to 2.5	Pass
				30	3.85	-12.131	-0.0178	-2.5 to 2.5	Pass
				40	3.85	-25.177	-0.0370	-2.5 to 2.5	Pass
	50	3.85	-31.385	-0.0461	-2.5 to 2.5	Pass			
	690.5	75	0	20	3.27	22.817	0.0330	-2.5 to 2.5	Pass
					3.85	8.626	0.0125	-2.5 to 2.5	Pass
					4.43	-7.710	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-22.459	-0.0325	-2.5 to 2.5	Pass
				-20	3.85	-35.362	-0.0512	-2.5 to 2.5	Pass
				-10	3.85	-47.164	-0.0683	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				10	3.85	-10.786	-0.0156	-2.5 to 2.5	Pass
30				3.85	-19.512	-0.0283	-2.5 to 2.5	Pass	
40				3.85	-24.276	-0.0352	-2.5 to 2.5	Pass	



				50	3.85	-33.231	-0.0481	-2.5 to 2.5	Pass
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2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	28.009	0.0416	-2.5 to 2.5	Pass
					3.85	28.696	0.0426	-2.5 to 2.5	Pass
					4.43	23.303	0.0346	-2.5 to 2.5	Pass
				-30	3.85	30.413	0.0452	-2.5 to 2.5	Pass
				-20	3.85	24.834	0.0369	-2.5 to 2.5	Pass
				-10	3.85	29.368	0.0436	-2.5 to 2.5	Pass
				0	3.85	37.065	0.0551	-2.5 to 2.5	Pass
				10	3.85	39.210	0.0583	-2.5 to 2.5	Pass
				30	3.85	31.943	0.0475	-2.5 to 2.5	Pass
	40	3.85	17.738	0.0264	-2.5 to 2.5	Pass			
	50	3.85	21.944	0.0326	-2.5 to 2.5	Pass			
	683	100	0	20	3.27	-18.396	-0.0269	-2.5 to 2.5	Pass
					3.85	26.007	0.0381	-2.5 to 2.5	Pass
					4.43	28.067	0.0411	-2.5 to 2.5	Pass
				-30	3.85	17.996	0.0263	-2.5 to 2.5	Pass
				-20	3.85	36.449	0.0534	-2.5 to 2.5	Pass
				-10	3.85	24.962	0.0365	-2.5 to 2.5	Pass
				0	3.85	10.414	0.0152	-2.5 to 2.5	Pass
				10	3.85	20.256	0.0297	-2.5 to 2.5	Pass
				30	3.85	19.970	0.0292	-2.5 to 2.5	Pass
	40	3.85	23.561	0.0345	-2.5 to 2.5	Pass			
	50	3.85	2.604	0.0038	-2.5 to 2.5	Pass			
	688	100	0	20	3.27	-27.351	-0.0398	-2.5 to 2.5	Pass
					3.85	-48.451	-0.0704	-2.5 to 2.5	Pass
					4.43	-17.896	-0.0260	-2.5 to 2.5	Pass
				-30	3.85	-36.049	-0.0524	-2.5 to 2.5	Pass
				-20	3.85	-25.563	-0.0372	-2.5 to 2.5	Pass
-10				3.85	-15.621	-0.0227	-2.5 to 2.5	Pass	
0				3.85	-30.899	-0.0449	-2.5 to 2.5	Pass	
10				3.85	-46.549	-0.0677	-2.5 to 2.5	Pass	
30				3.85	-42.686	-0.0620	-2.5 to 2.5	Pass	
40	3.85	-7.825	-0.0114	-2.5 to 2.5	Pass				
50	3.85	-23.289	-0.0339	-2.5 to 2.5	Pass				
16QAM	673	100	0	20	3.27	33.474	0.0497	-2.5 to 2.5	Pass
					3.85	30.270	0.0450	-2.5 to 2.5	Pass
					4.43	34.032	0.0506	-2.5 to 2.5	Pass
				-30	3.85	13.146	0.0195	-2.5 to 2.5	Pass
				-20	3.85	39.597	0.0588	-2.5 to 2.5	Pass
				-10	3.85	29.182	0.0434	-2.5 to 2.5	Pass
				0	3.85	17.023	0.0253	-2.5 to 2.5	Pass
				10	3.85	28.296	0.0420	-2.5 to 2.5	Pass
				30	3.85	39.754	0.0591	-2.5 to 2.5	Pass
40	3.85	41.528	0.0617	-2.5 to 2.5	Pass				
50	3.85	26.708	0.0397	-2.5 to 2.5	Pass				

	683	100	0	20	3.27	-34.633	-0.0507	-2.5 to 2.5	Pass	
					3.85	-31.757	-0.0465	-2.5 to 2.5	Pass	
					4.43	-25.463	-0.0373	-2.5 to 2.5	Pass	
				-30	3.85	-23.761	-0.0348	-2.5 to 2.5	Pass	
					-20	3.85	-28.224	-0.0413	-2.5 to 2.5	Pass
						-10	3.85	-18.640	-0.0273	-2.5 to 2.5
				0	3.85	-27.552	-0.0403	-2.5 to 2.5	Pass	
					10	3.85	-28.896	-0.0423	-2.5 to 2.5	Pass
					30	3.85	-29.068	-0.0426	-2.5 to 2.5	Pass
	688	100	0	20	3.85	-20.556	-0.0301	-2.5 to 2.5	Pass	
					50	3.85	-17.509	-0.0256	-2.5 to 2.5	Pass
					3.27	-38.967	-0.0566	-2.5 to 2.5	Pass	
				-30	3.85	-38.638	-0.0562	-2.5 to 2.5	Pass	
					-20	4.43	-17.638	-0.0256	-2.5 to 2.5	Pass
						-10	3.85	-29.039	-0.0422	-2.5 to 2.5
				0	3.85	-39.296	-0.0571	-2.5 to 2.5	Pass	
					10	3.85	-48.623	-0.0707	-2.5 to 2.5	Pass
					30	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-13.289	-0.0193	-2.5 to 2.5	Pass	
				30	3.85	-26.608	-0.0387	-2.5 to 2.5	Pass	
				40	3.85	-31.886	-0.0463	-2.5 to 2.5	Pass	
				50	3.85	-41.127	-0.0598	-2.5 to 2.5	Pass	
				50	3.85	-41.127	-0.0598	-2.5 to 2.5	Pass	

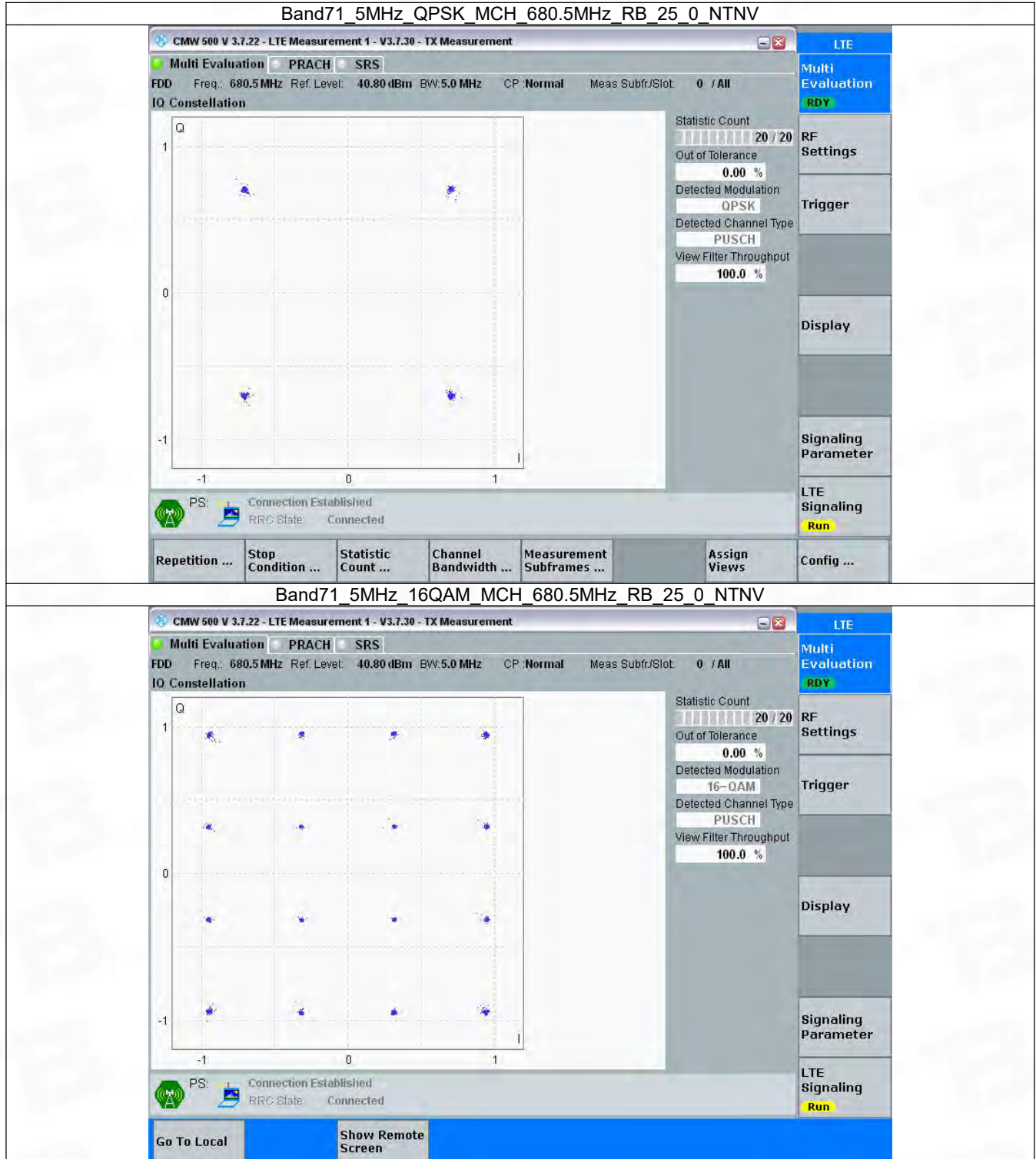
3. Modulation Characteristics

3.1 B71_5MHz

3.1.1 Test Result

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

3.1.2 Test Graph

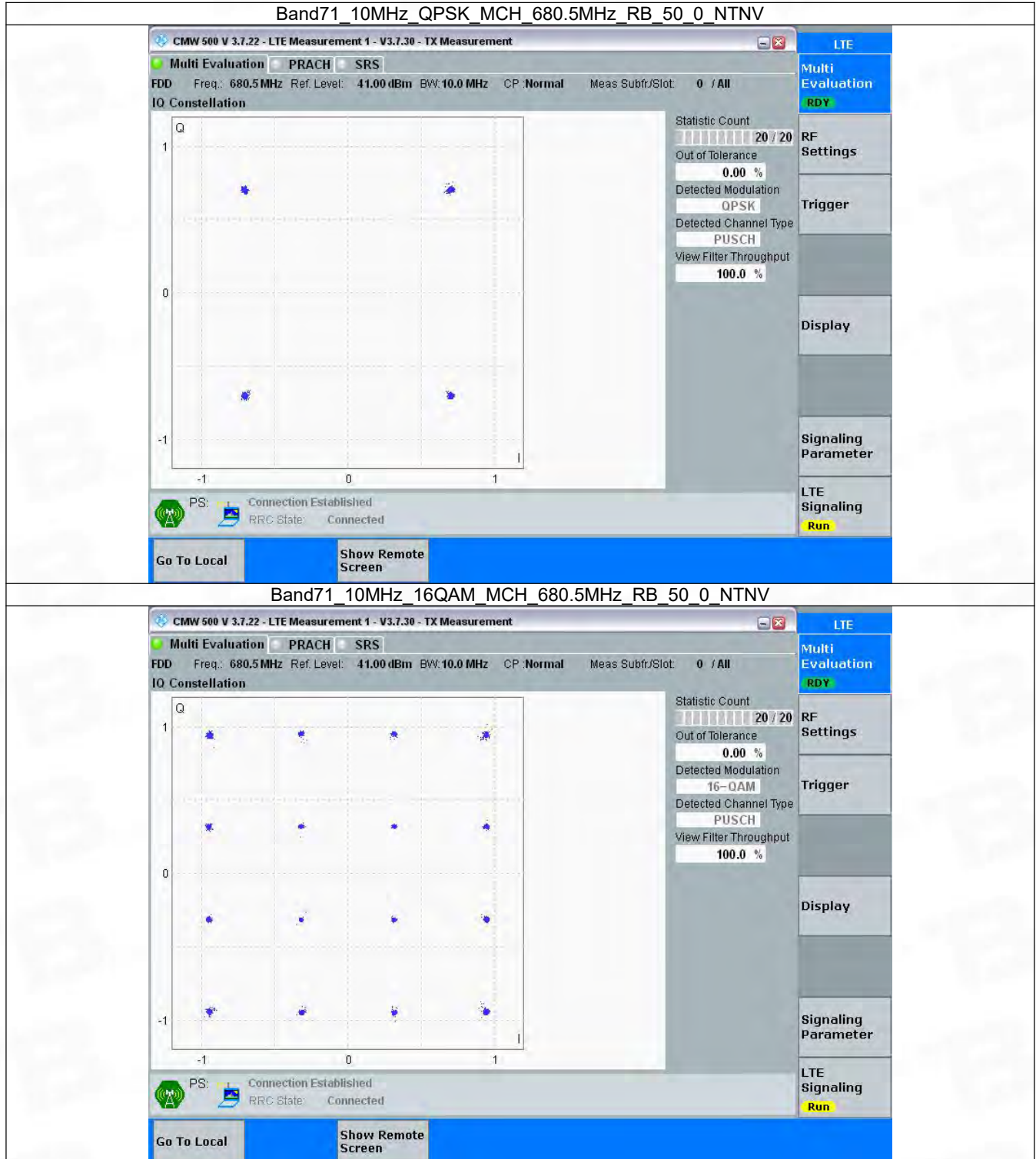


3.2 B71_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph

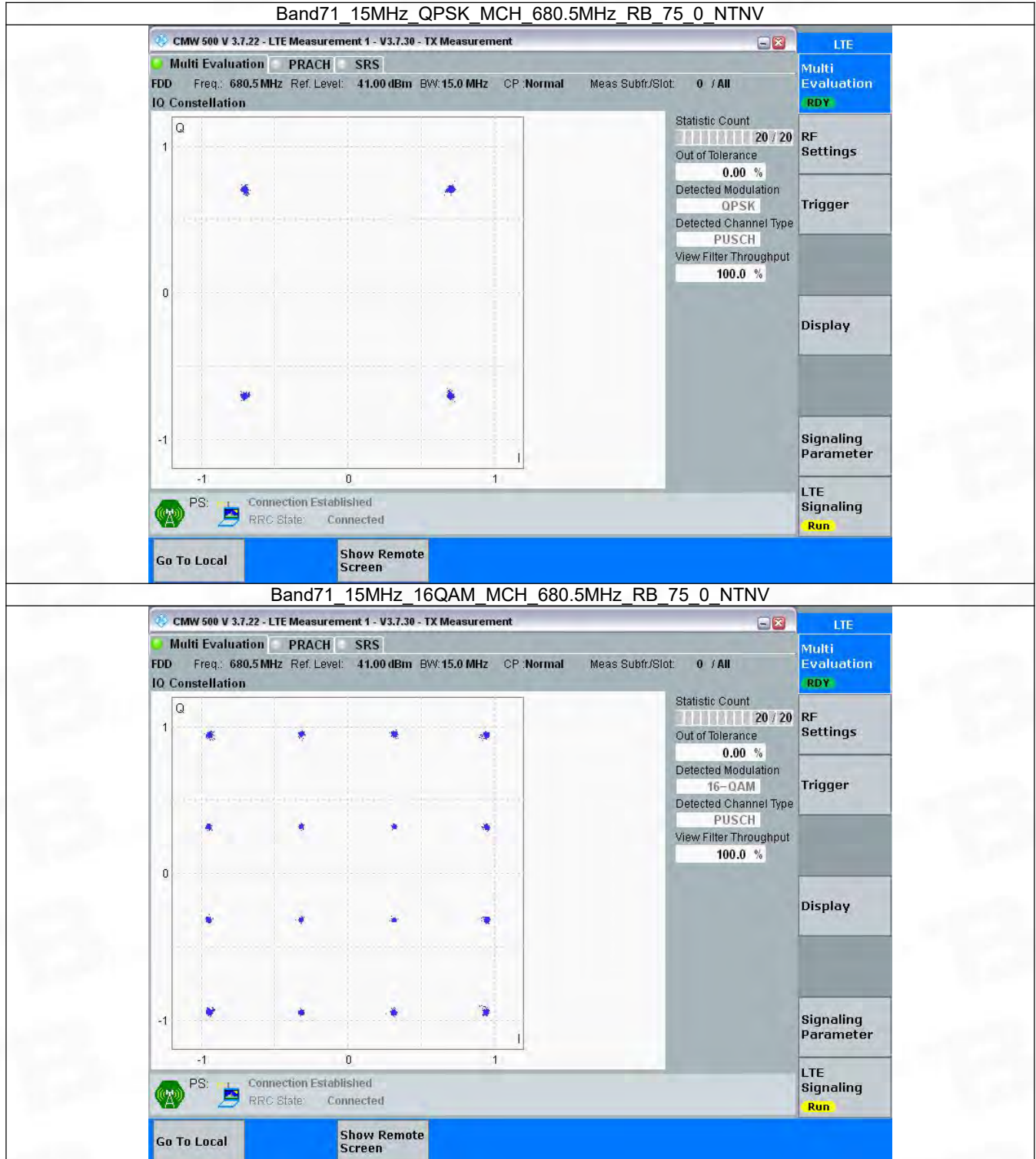


3.3 B71_15MHz

3.3.1 Test Result

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

3.3.2 Test Graph

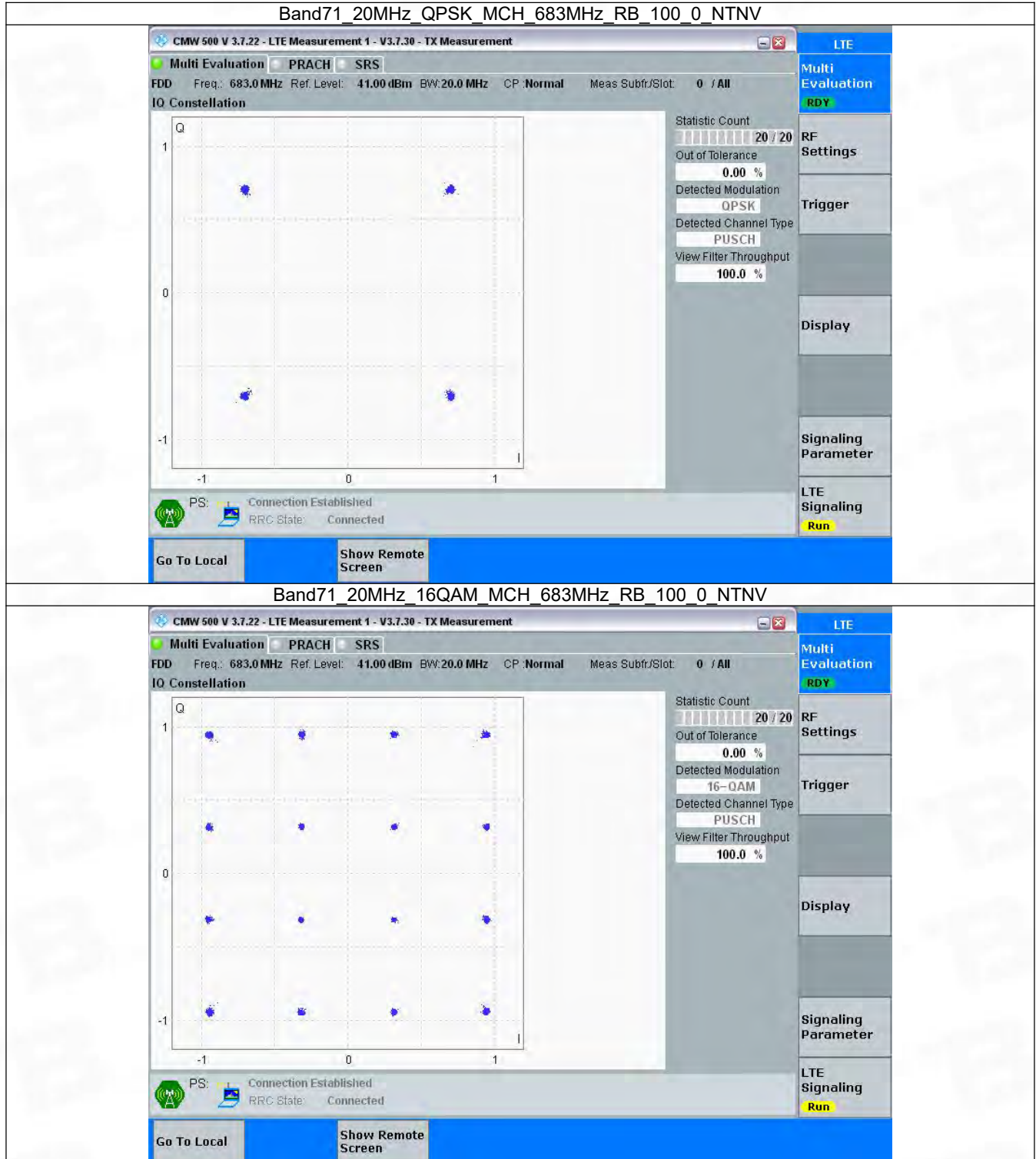


3.4 B71_20MHz

3.4.1 Test Result

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

3.4.2 Test Graph



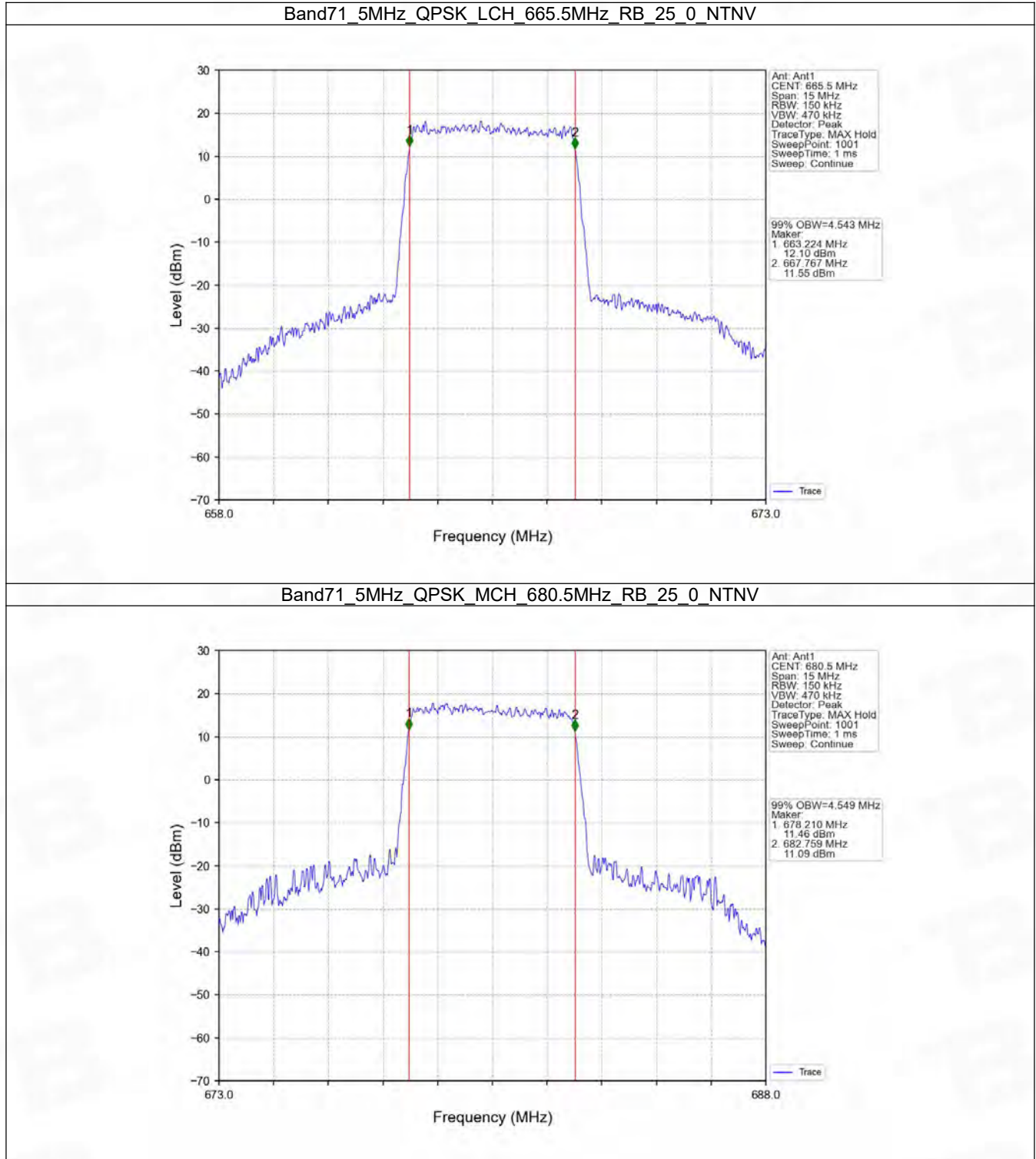
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

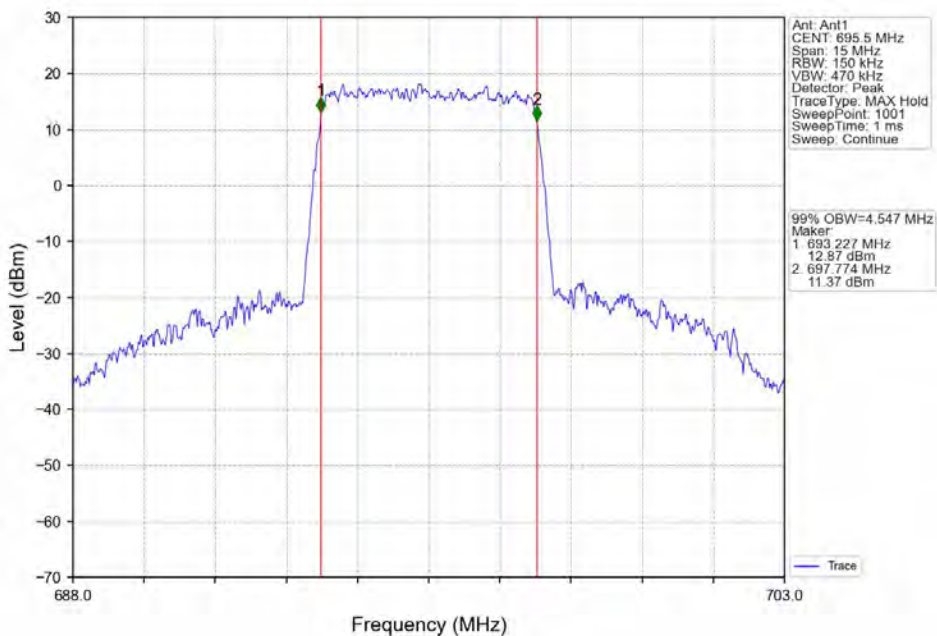
4.1.1 Test Result

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.543	/	Pass
		680.5	25	0	4.549	/	Pass
		695.5	25	0	4.547	/	Pass
	16QAM	665.5	25	0	4.554	/	Pass
		680.5	25	0	4.554	/	Pass
		695.5	25	0	4.558	/	Pass
10	QPSK	668	50	0	9.101	/	Pass
		680.5	50	0	9.062	/	Pass
		693	50	0	9.003	/	Pass
	16QAM	668	50	0	9.117	/	Pass
		680.5	50	0	9.064	/	Pass
		693	50	0	9.038	/	Pass
15	QPSK	670.5	75	0	13.668	/	Pass
		680.5	75	0	13.583	/	Pass
		690.5	75	0	13.564	/	Pass
	16QAM	670.5	75	0	13.701	/	Pass
		680.5	75	0	13.586	/	Pass
		690.5	75	0	13.590	/	Pass
20	QPSK	673	100	0	18.115	/	Pass
		683	100	0	18.173	/	Pass
		688	100	0	18.190	/	Pass
	16QAM	673	100	0	18.204	/	Pass
		683	100	0	18.204	/	Pass
		688	100	0	18.198	/	Pass

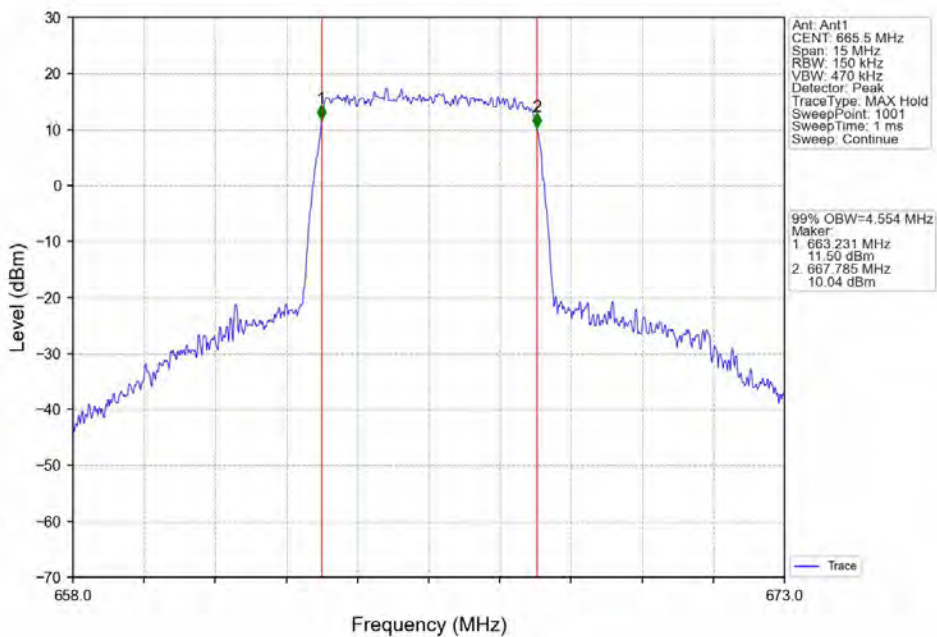
4.1.2 Test Graph



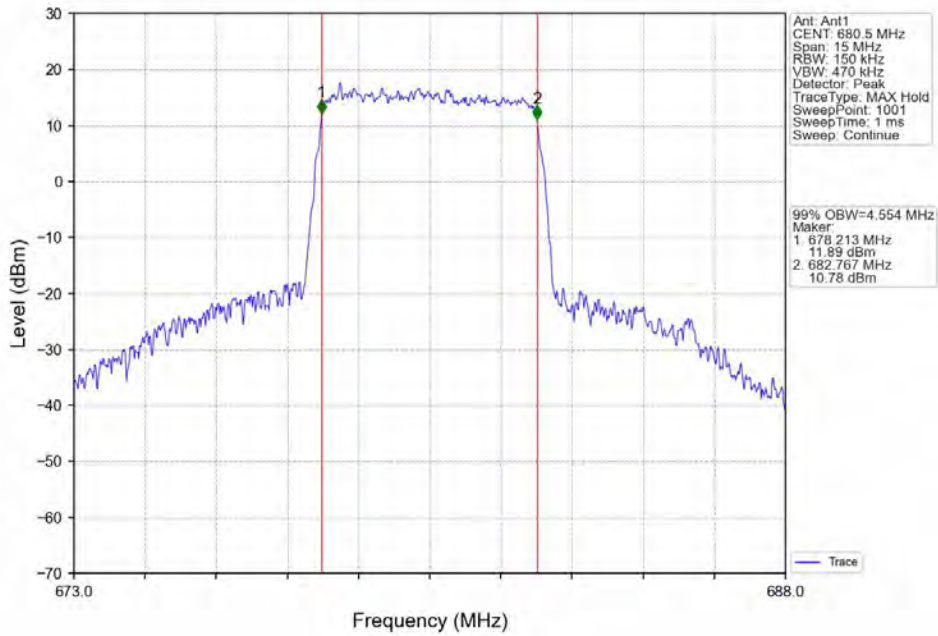
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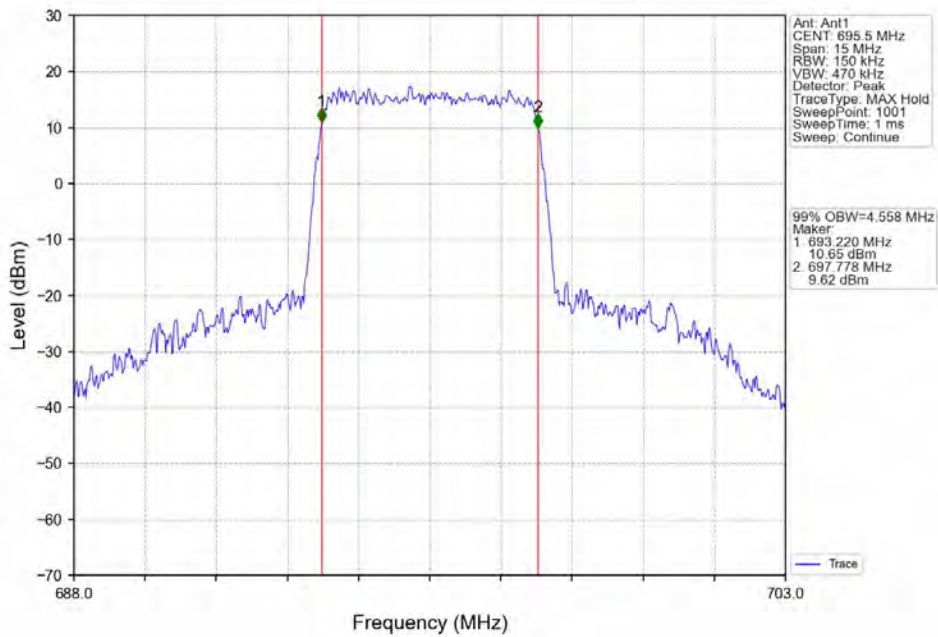
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



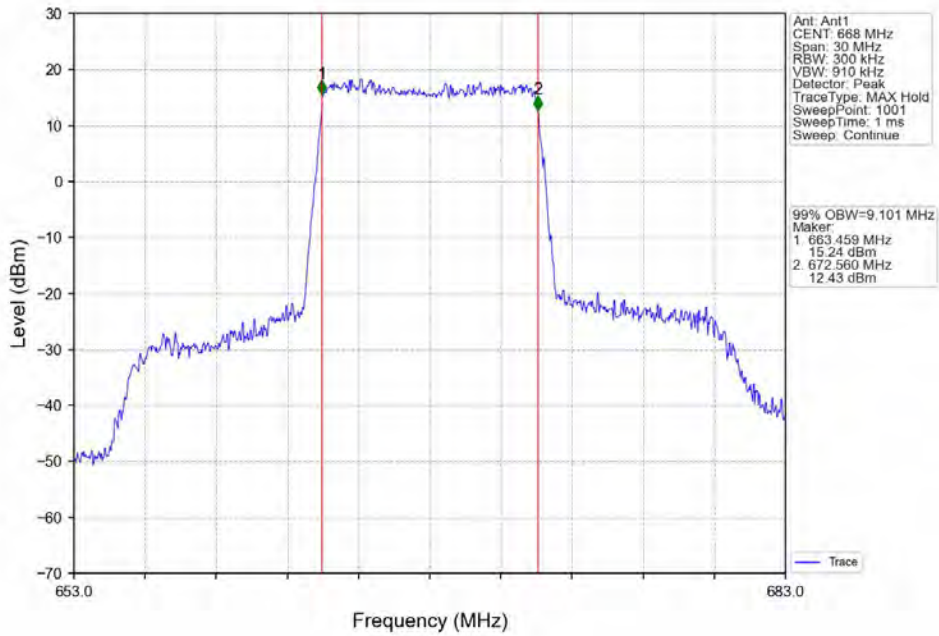
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



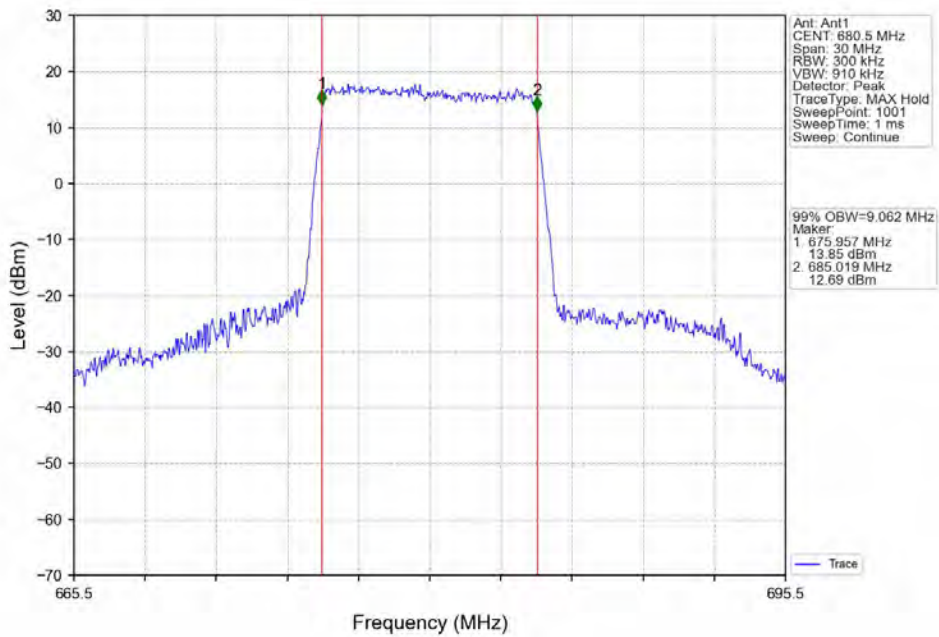
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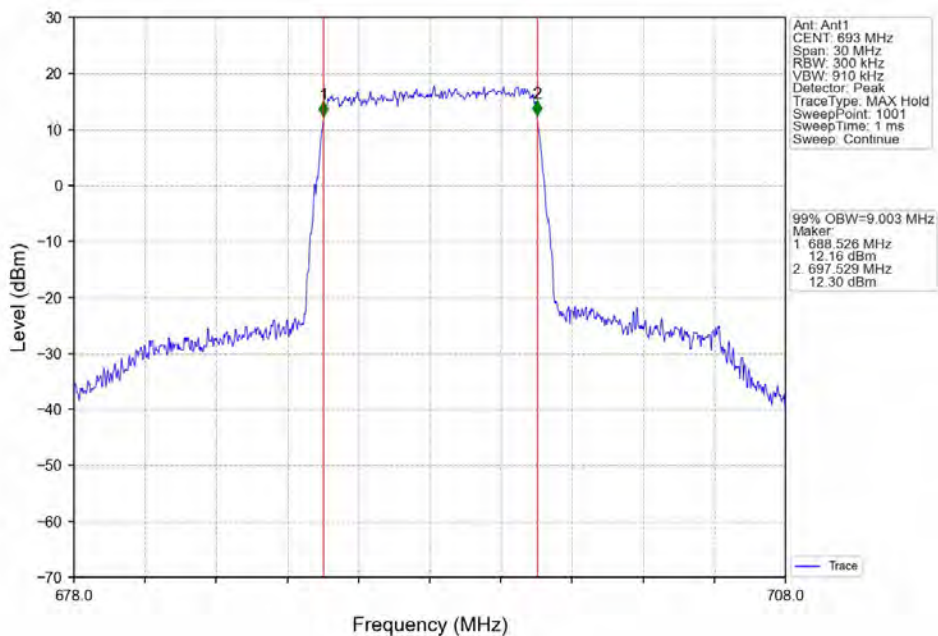
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



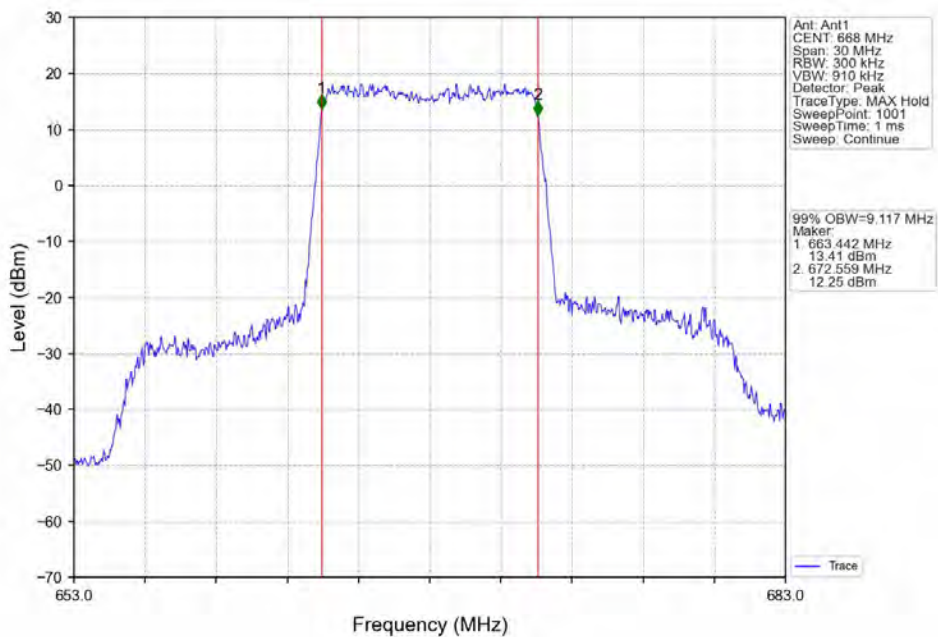
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



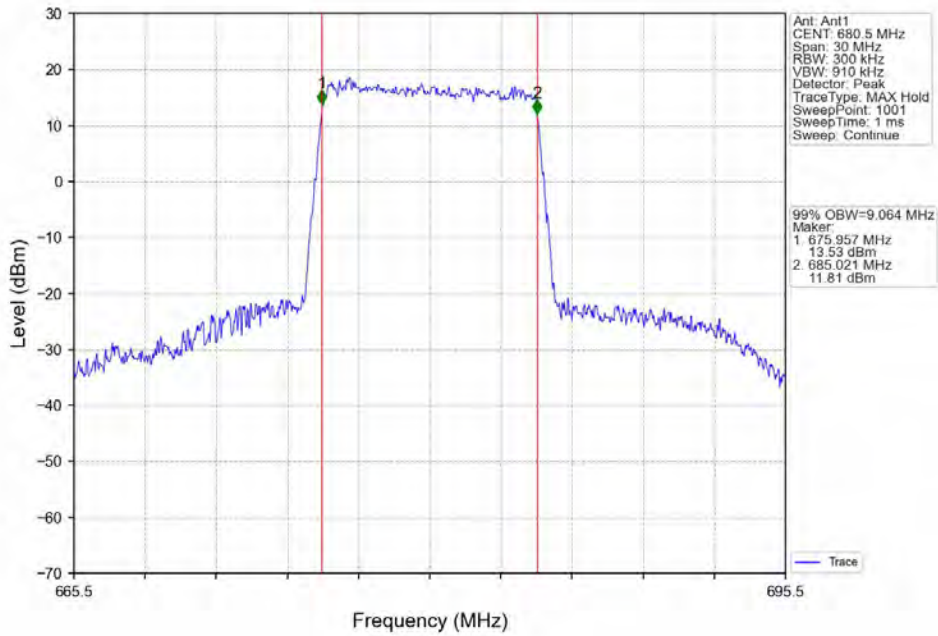
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



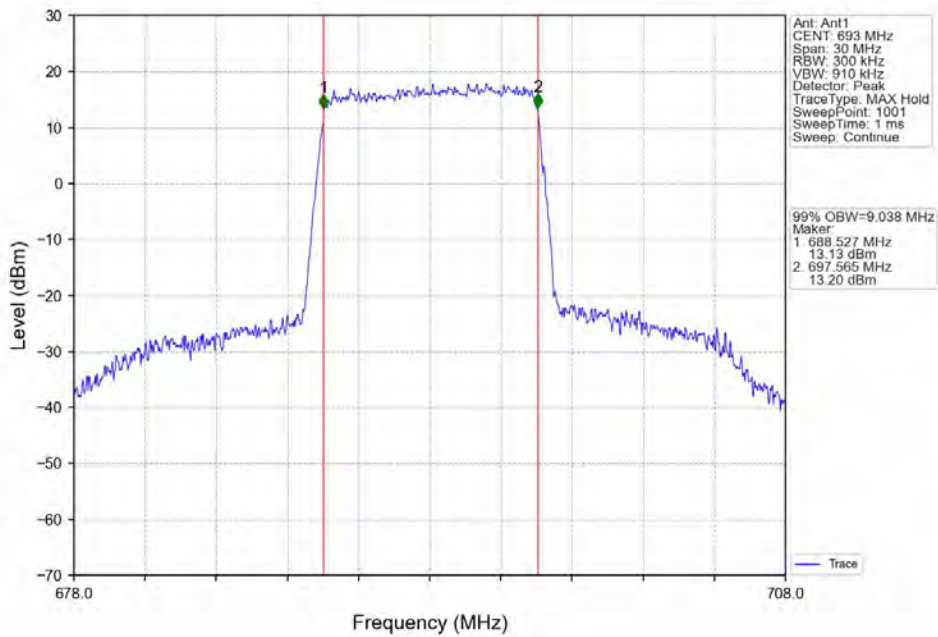
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



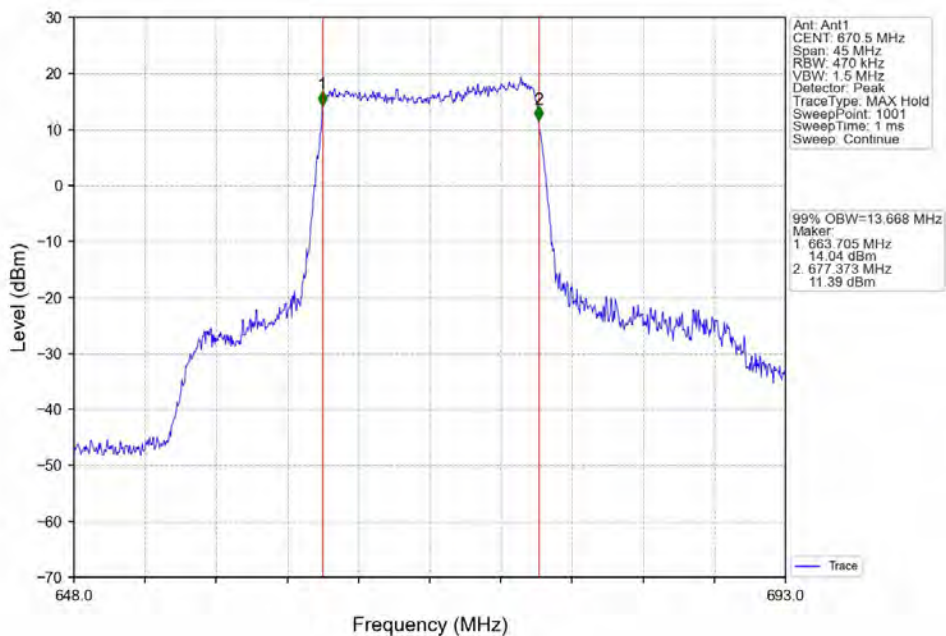
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



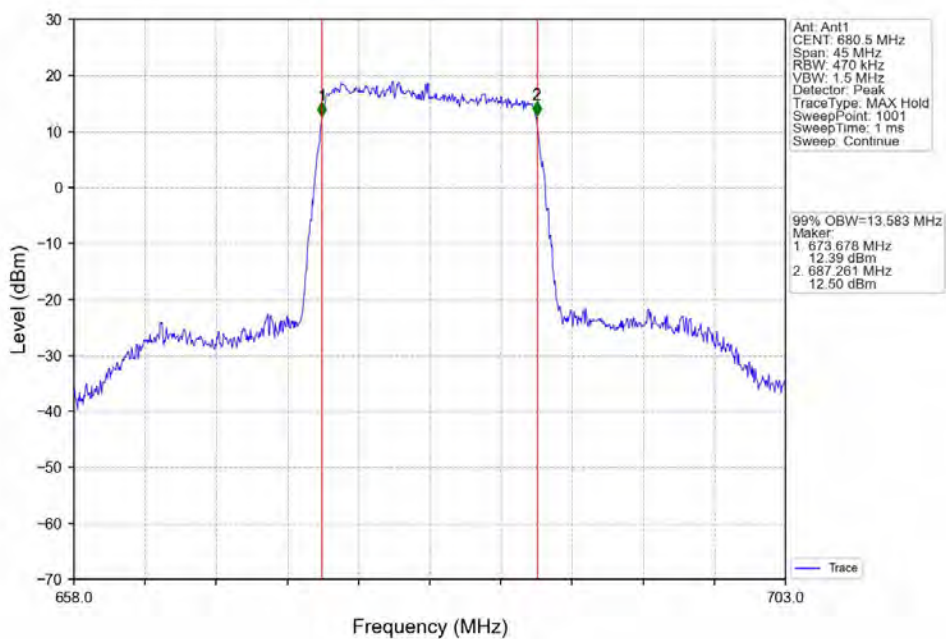
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



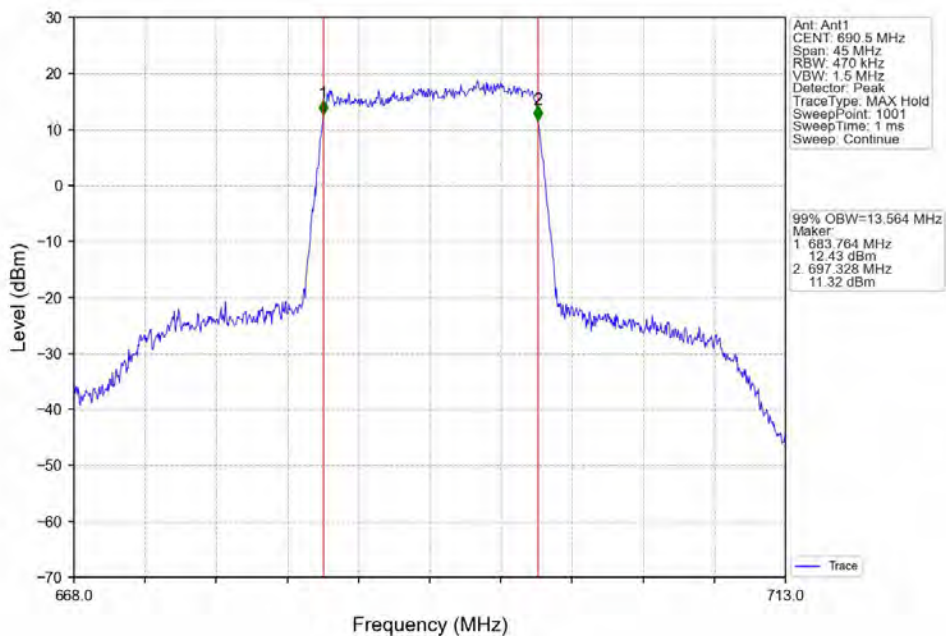
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



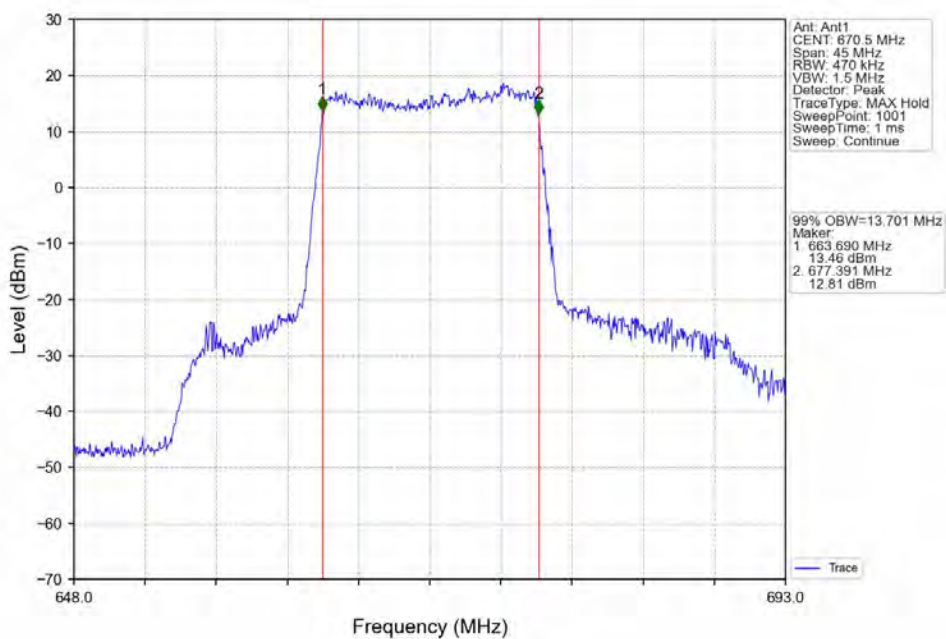
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



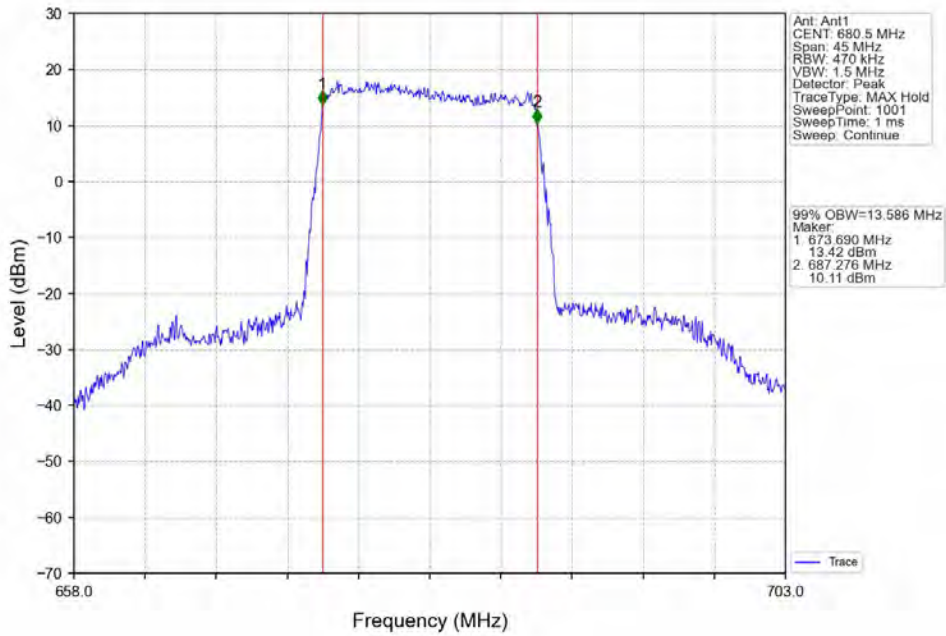
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



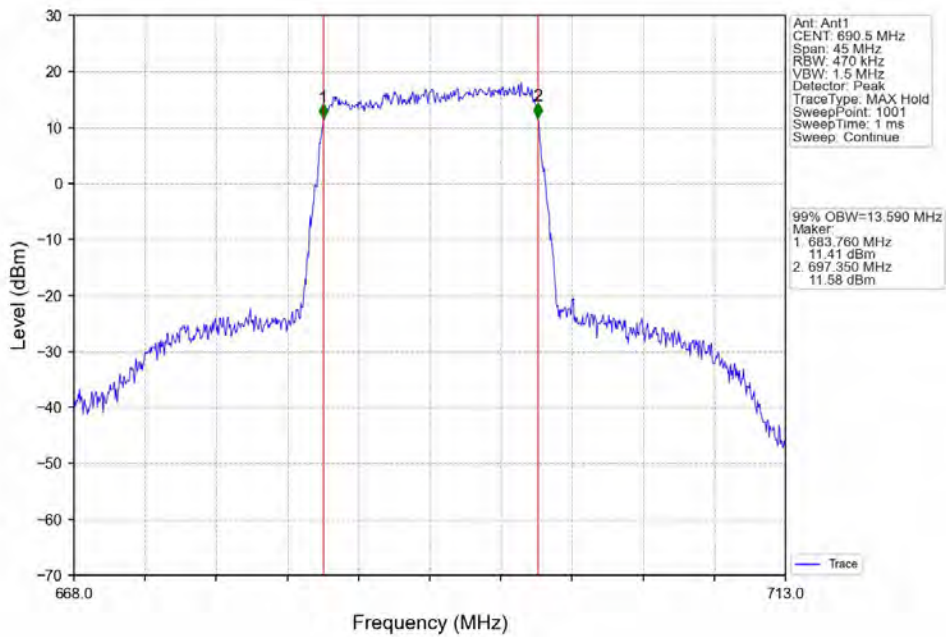
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



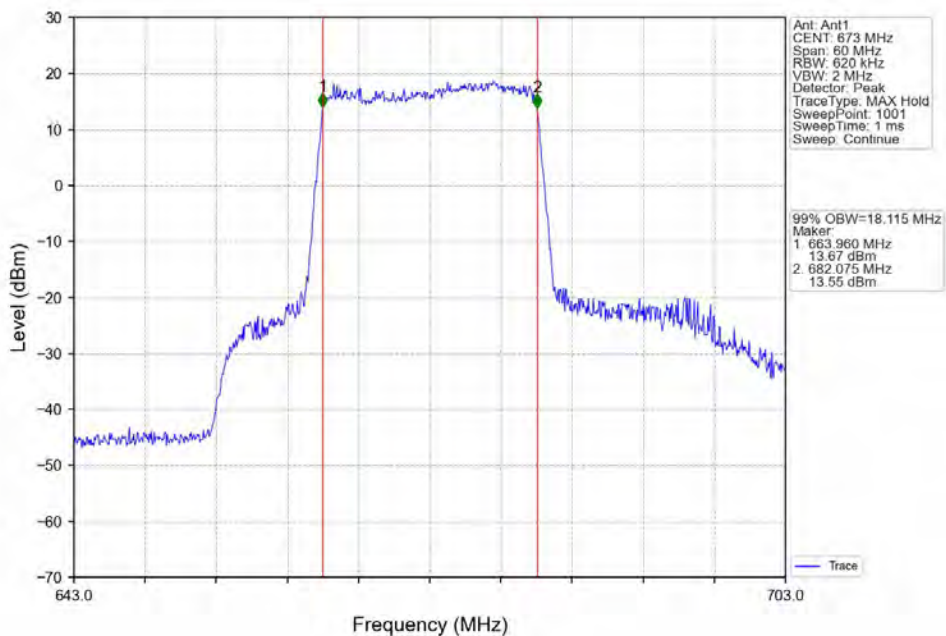
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



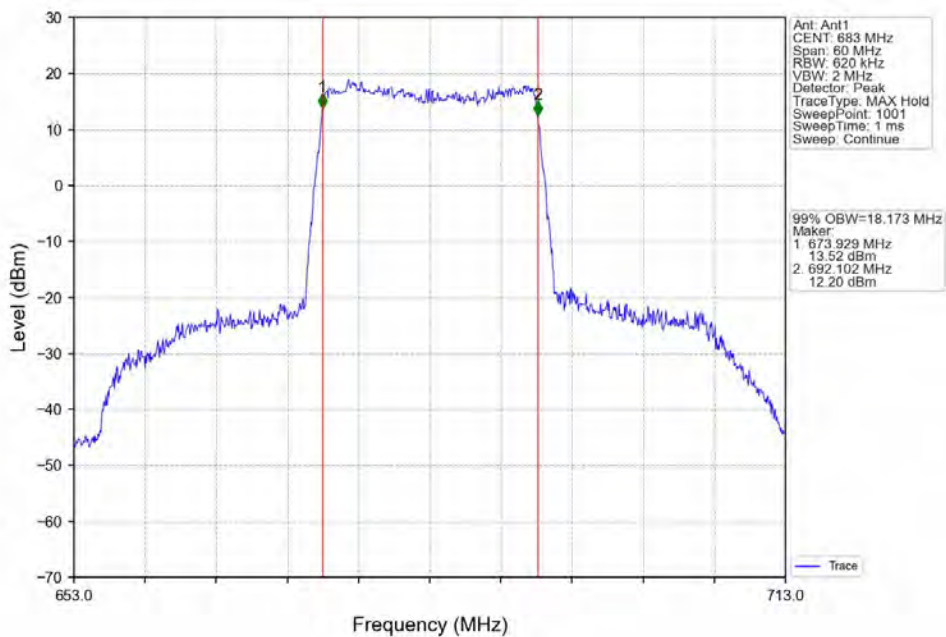
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



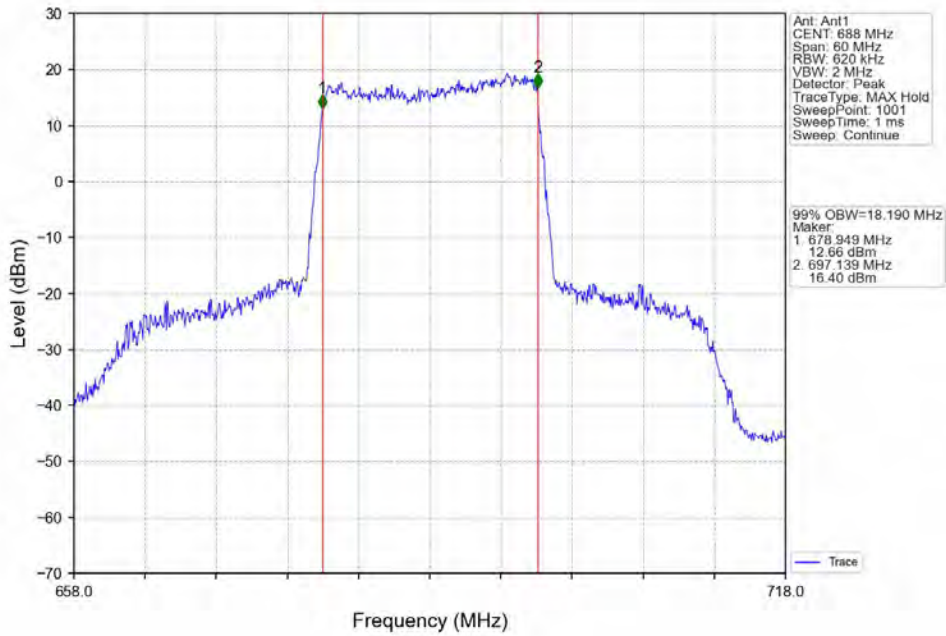
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



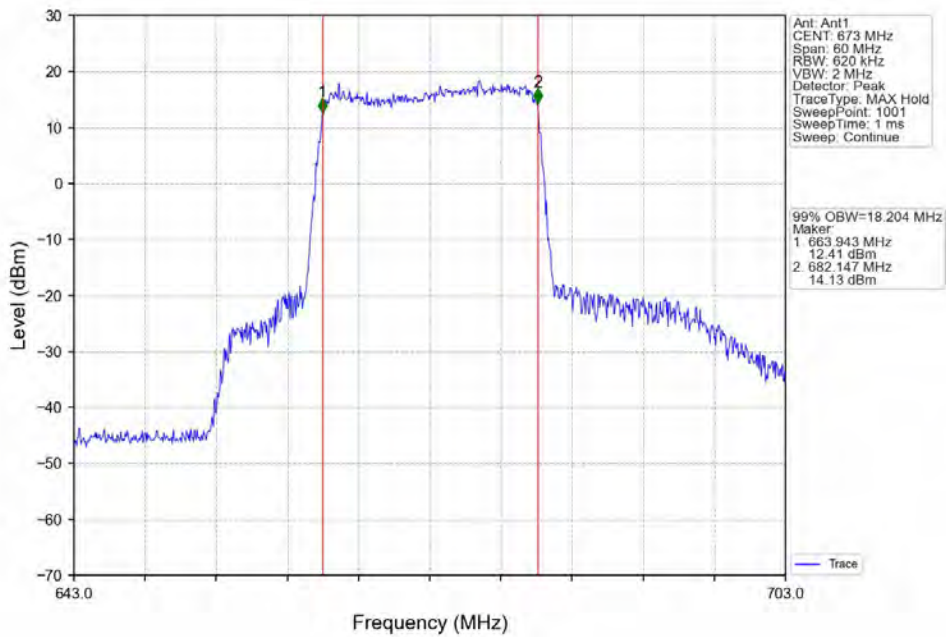
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



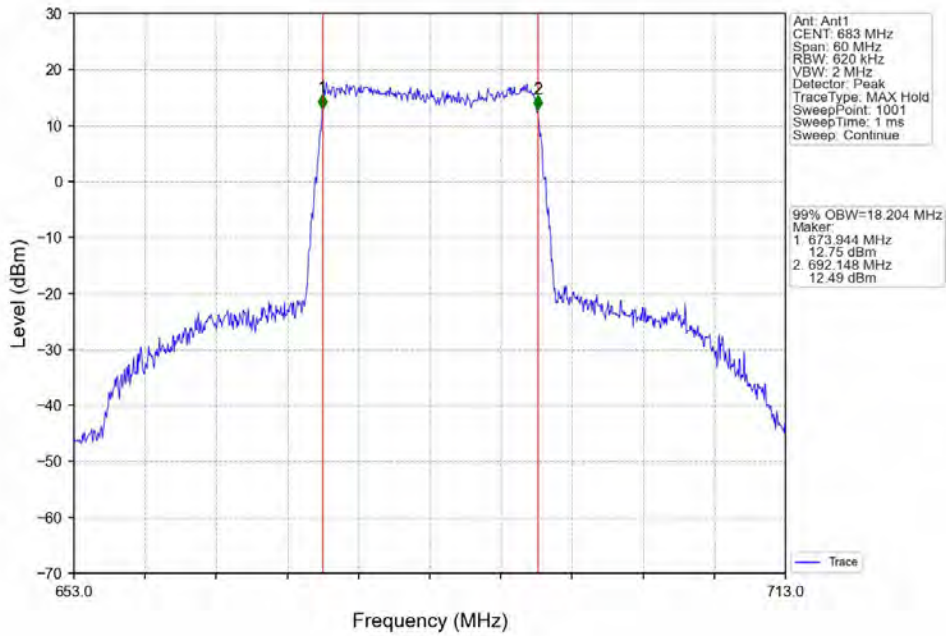
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



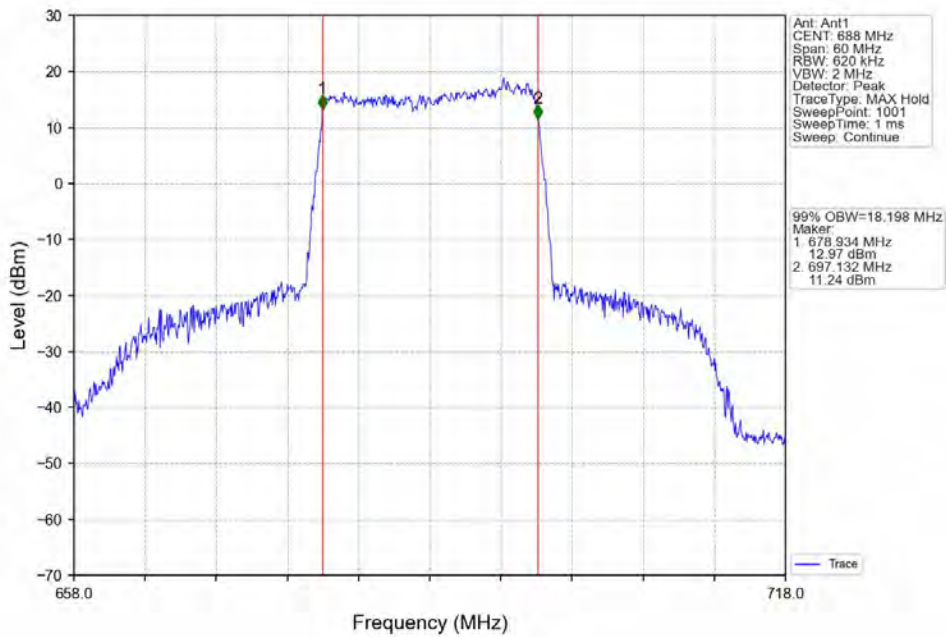
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

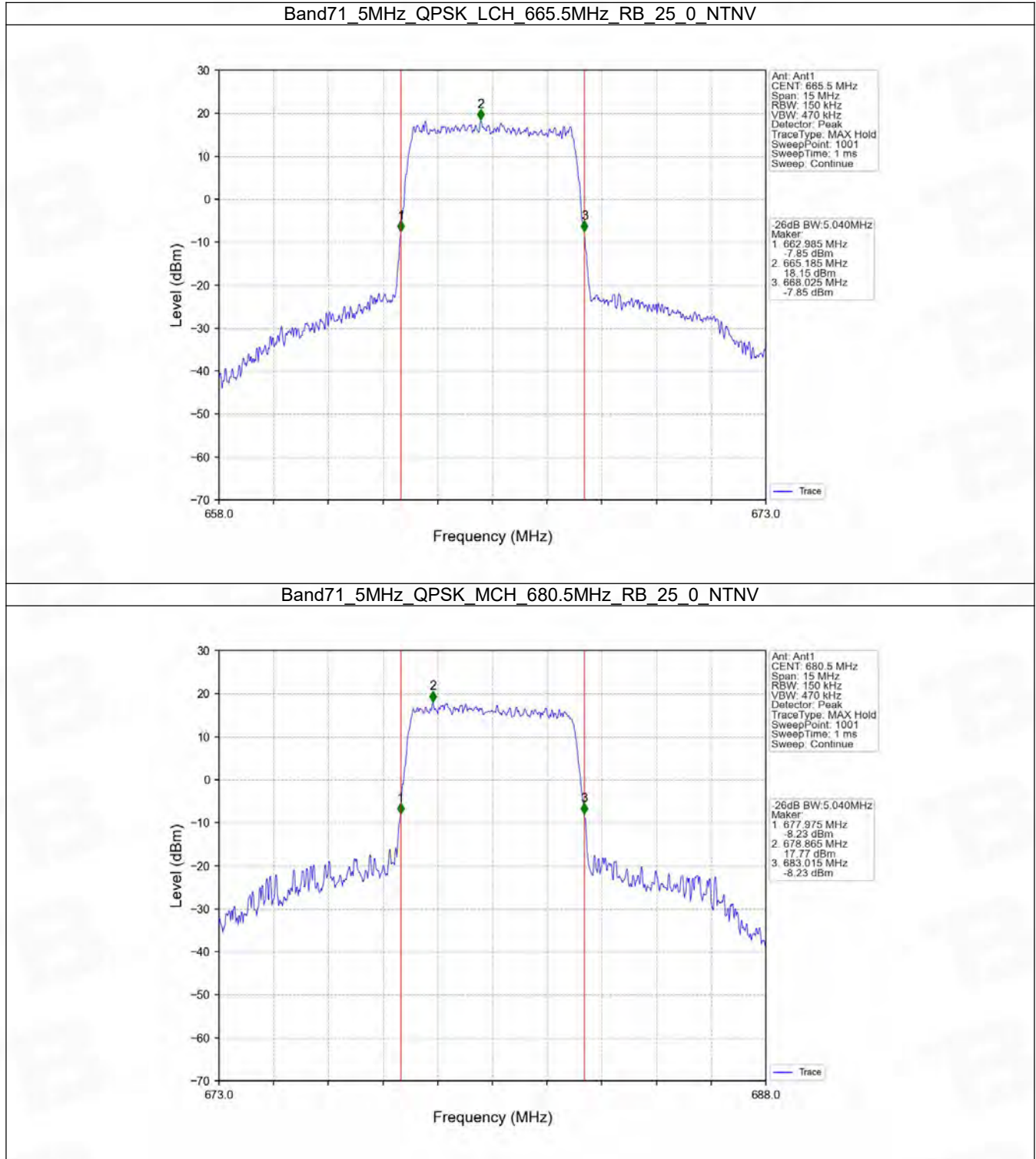


4.2 Band71_XDB

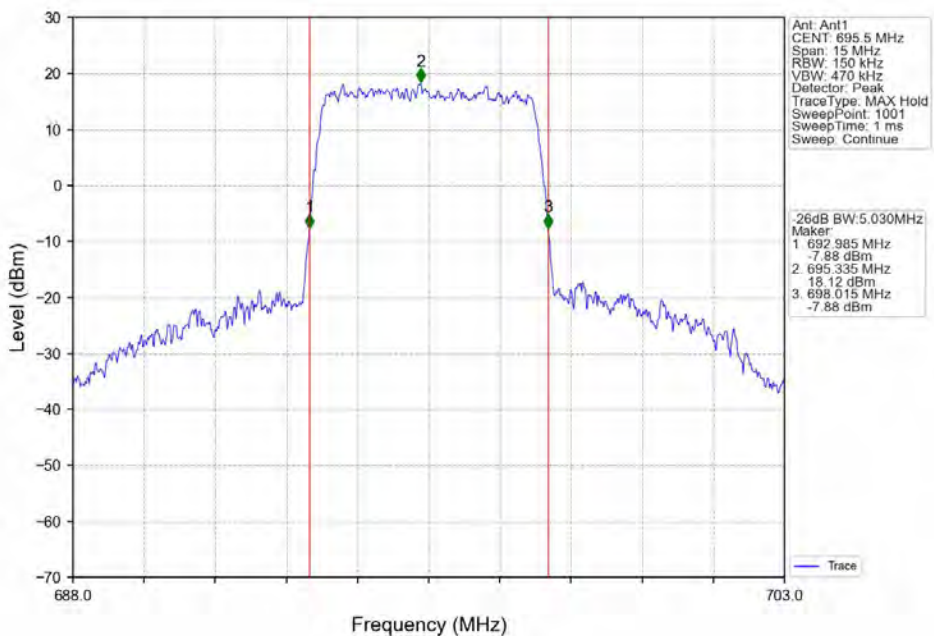
4.2.1 Test Result

Band: 71 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.040	/	Pass
		680.5	25	0	5.040	/	Pass
		695.5	25	0	5.030	/	Pass
	16QAM	665.5	25	0	5.069	/	Pass
		680.5	25	0	5.034	/	Pass
		695.5	25	0	5.060	/	Pass
10	QPSK	668	50	0	10.027	/	Pass
		680.5	50	0	10.082	/	Pass
		693	50	0	10.052	/	Pass
	16QAM	668	50	0	10.074	/	Pass
		680.5	50	0	10.029	/	Pass
		693	50	0	10.039	/	Pass
15	QPSK	670.5	75	0	15.118	/	Pass
		680.5	75	0	15.134	/	Pass
		690.5	75	0	15.094	/	Pass
	16QAM	670.5	75	0	15.171	/	Pass
		680.5	75	0	15.173	/	Pass
		690.5	75	0	15.195	/	Pass
20	QPSK	673	100	0	19.928	/	Pass
		683	100	0	20.143	/	Pass
		688	100	0	20.046	/	Pass
	16QAM	673	100	0	19.923	/	Pass
		683	100	0	20.184	/	Pass
		688	100	0	20.014	/	Pass

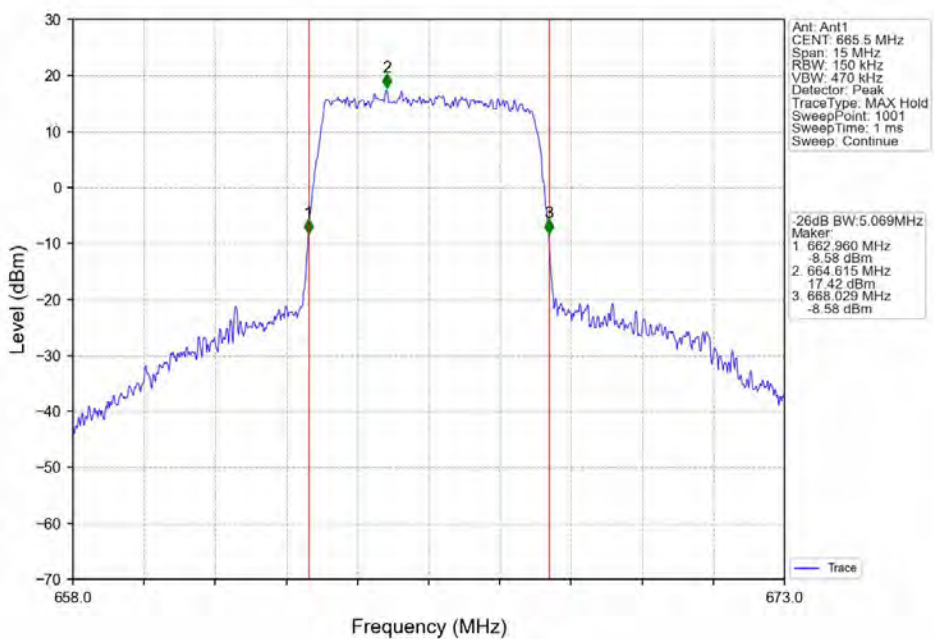
4.2.2 Test Graph



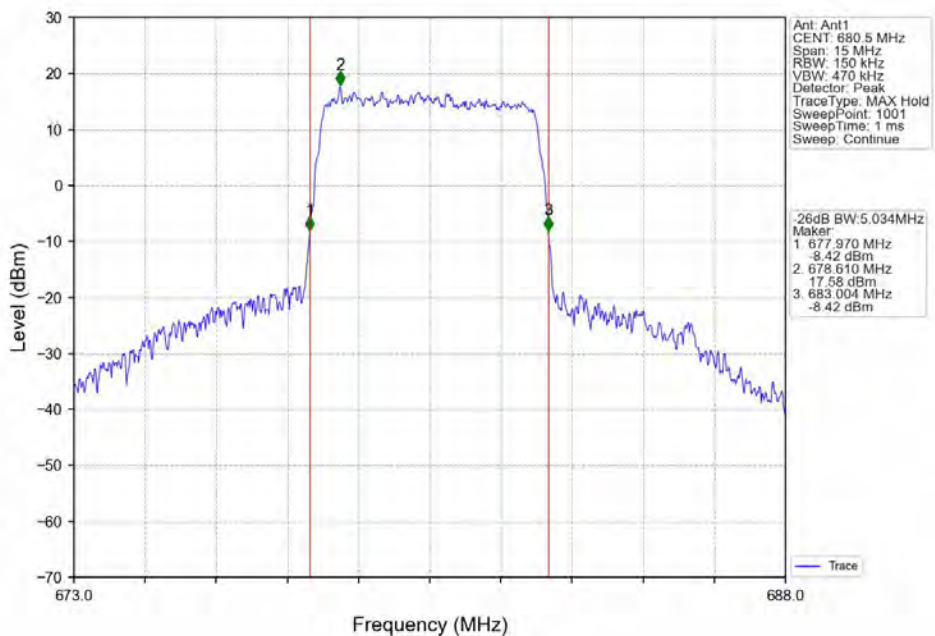
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



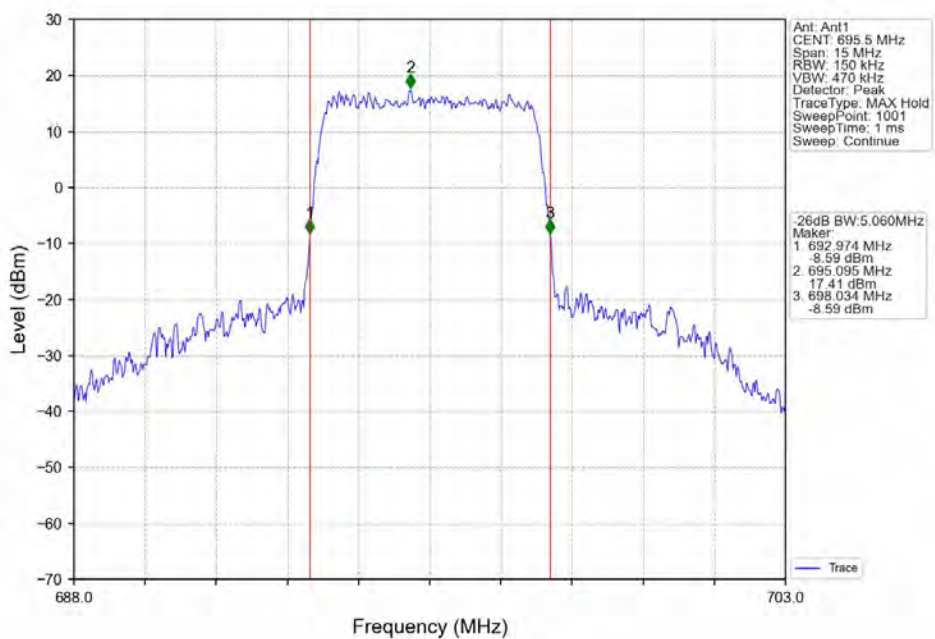
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



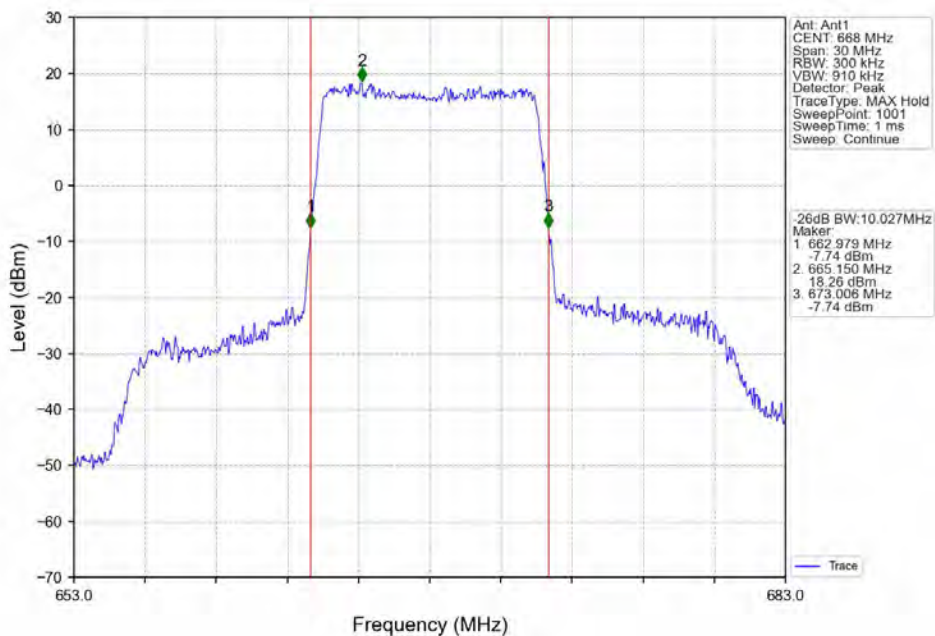
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



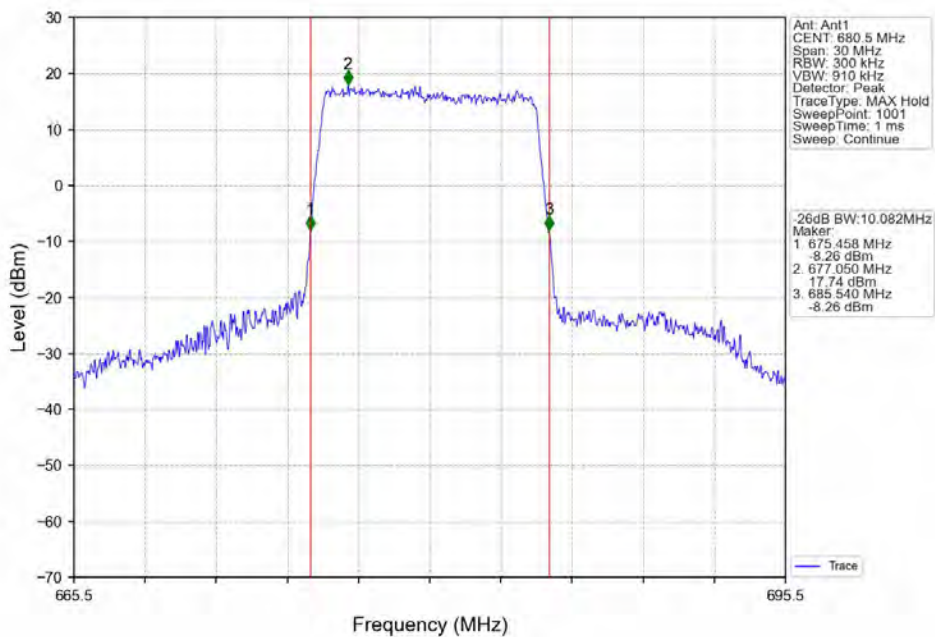
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



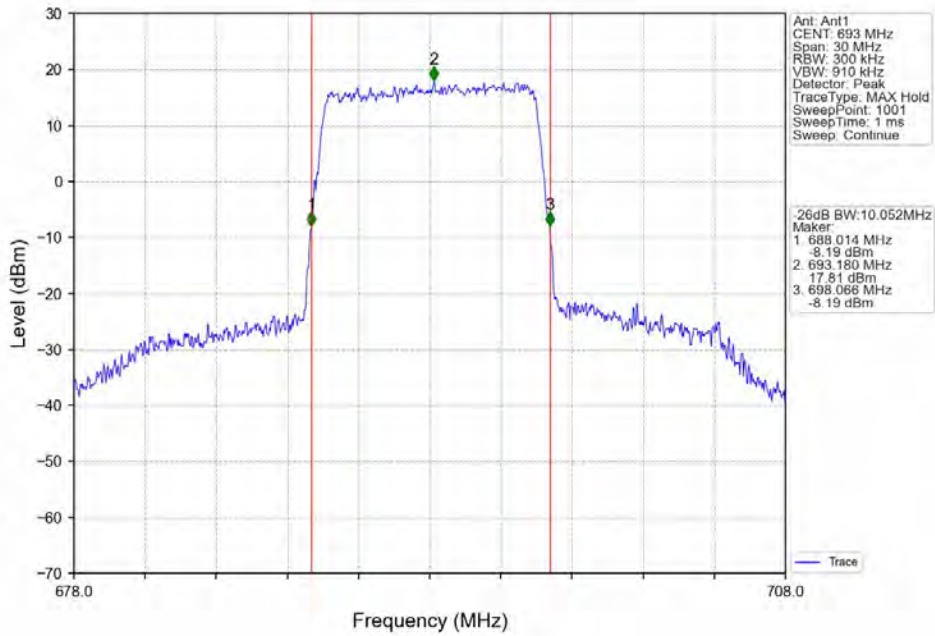
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



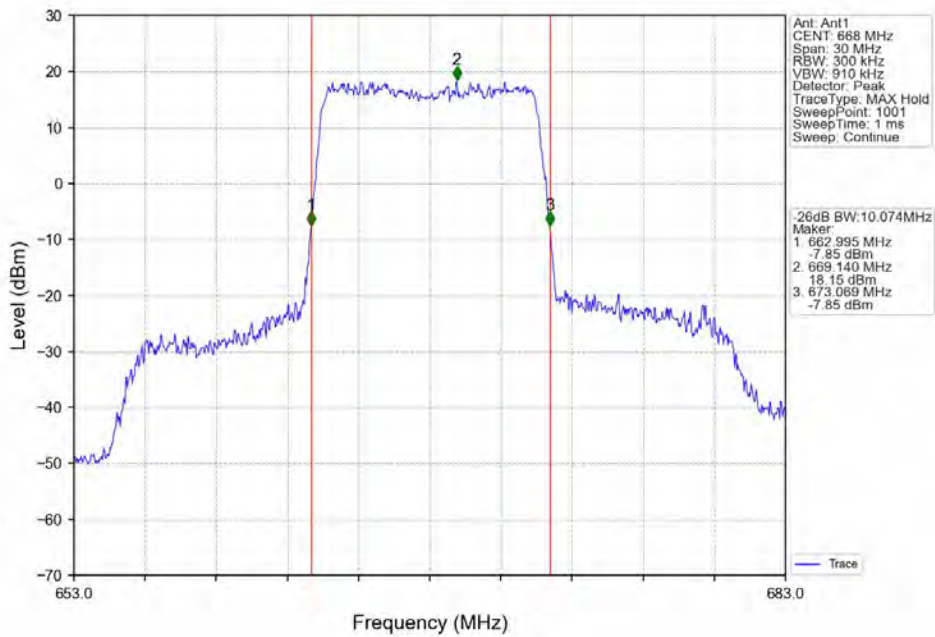
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



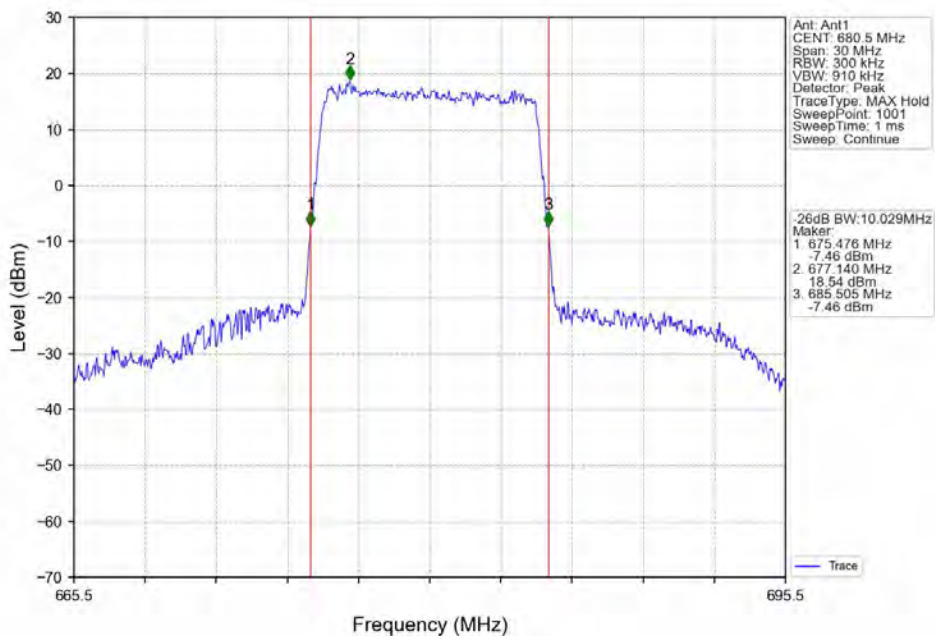
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



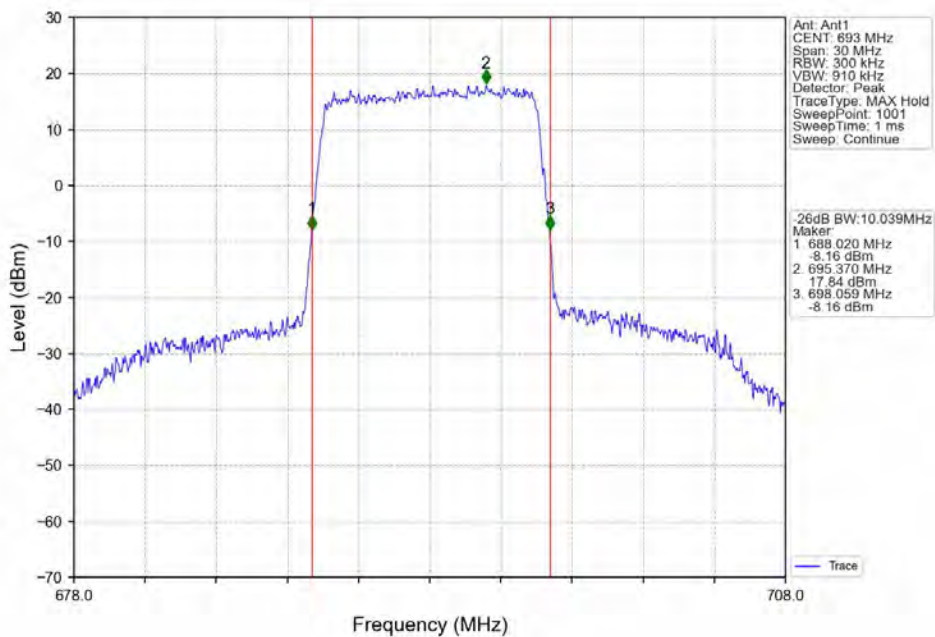
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



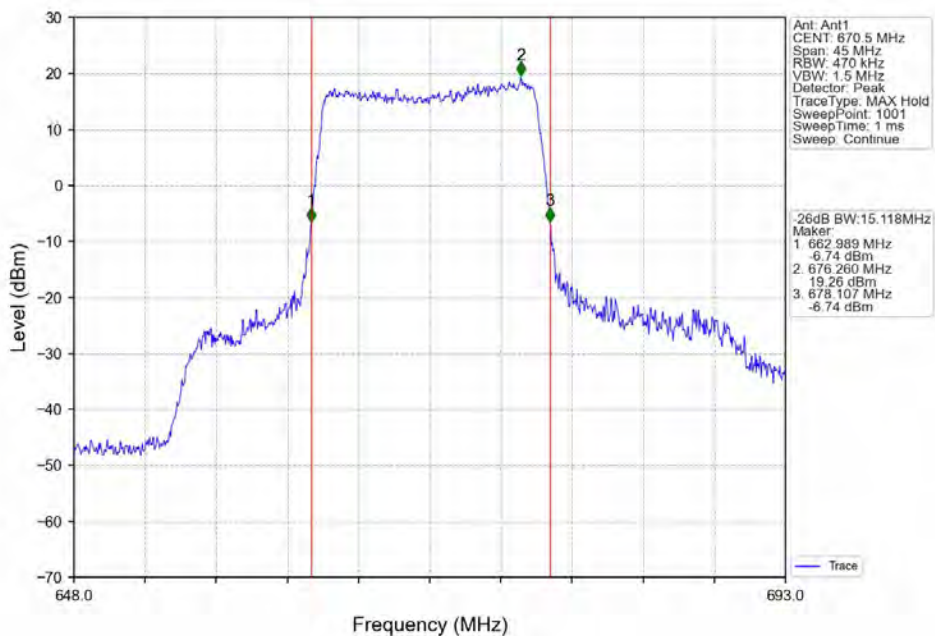
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



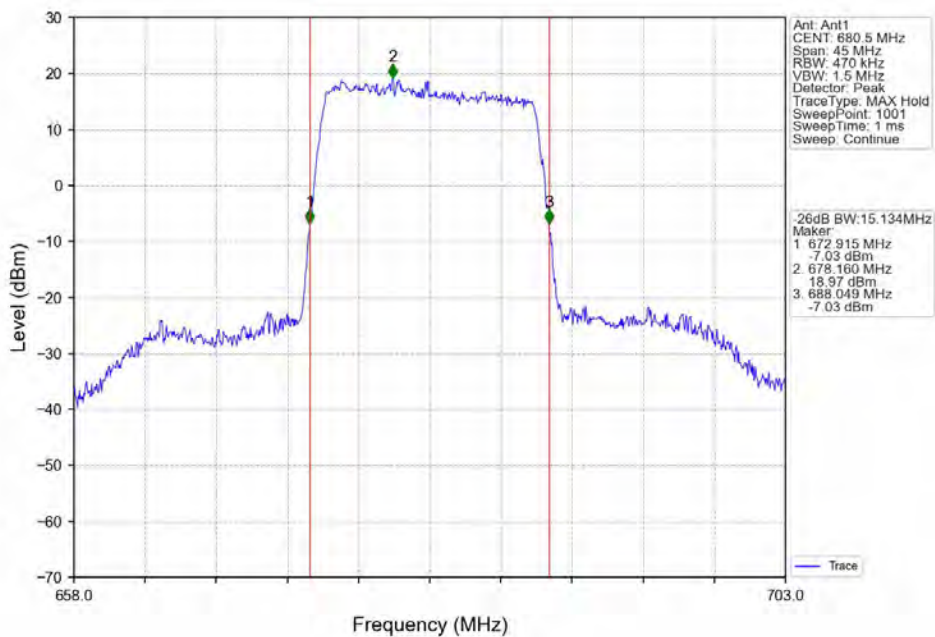
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



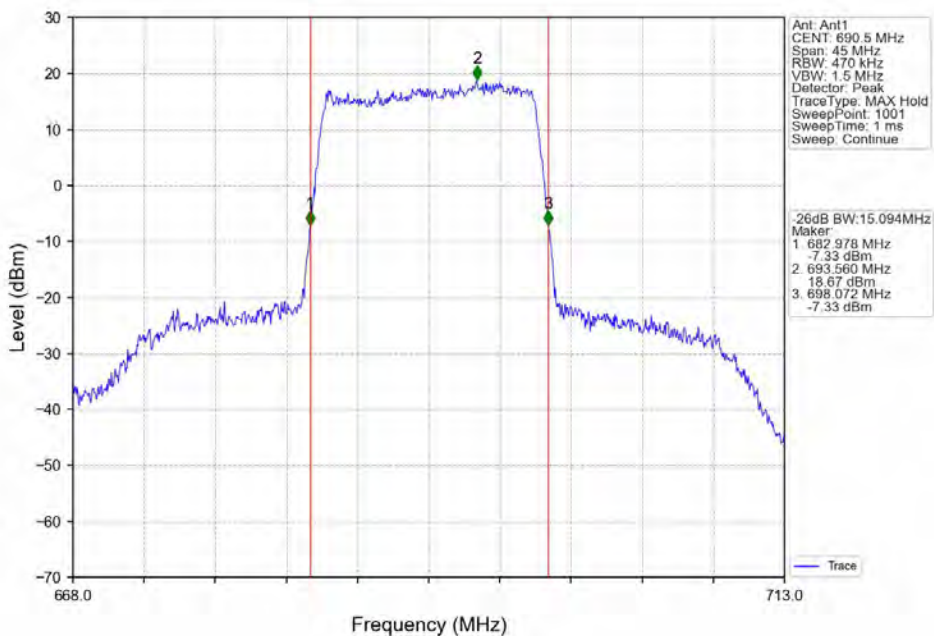
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



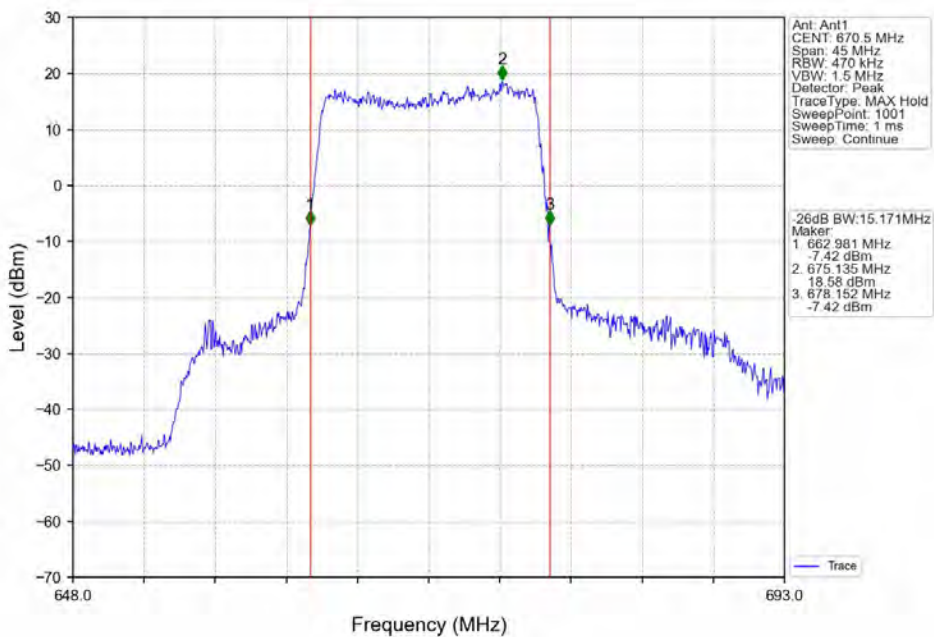
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



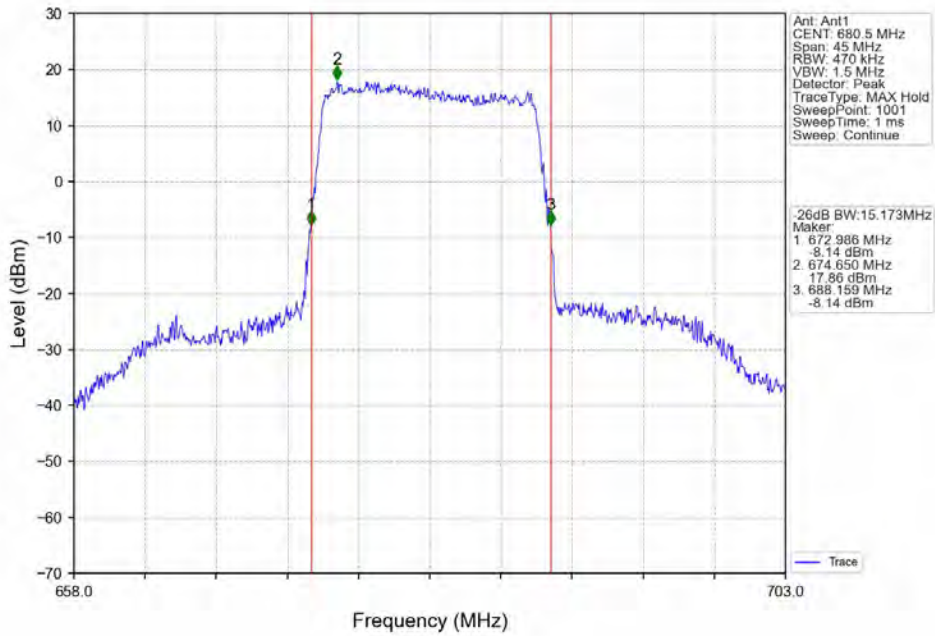
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



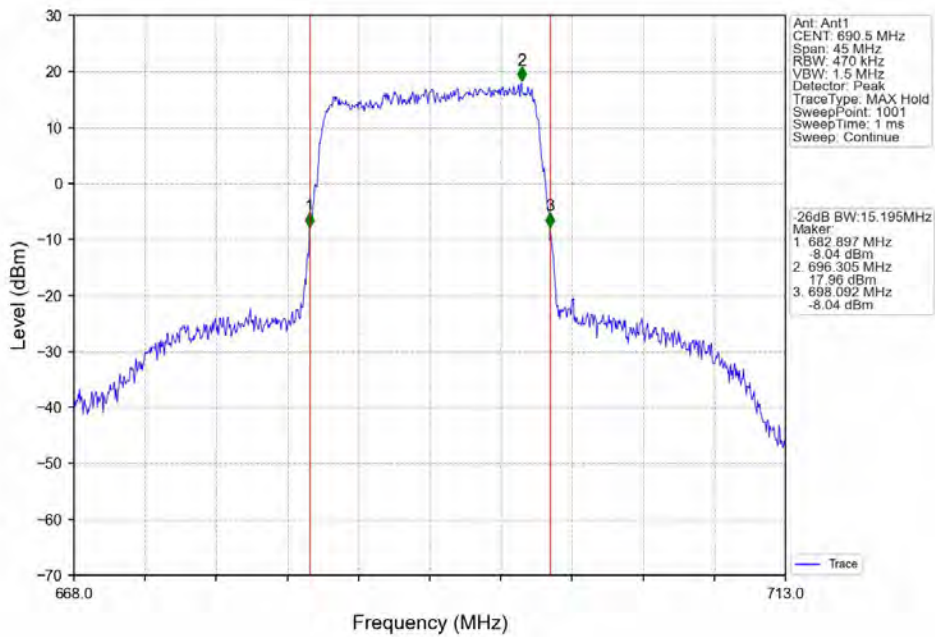
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



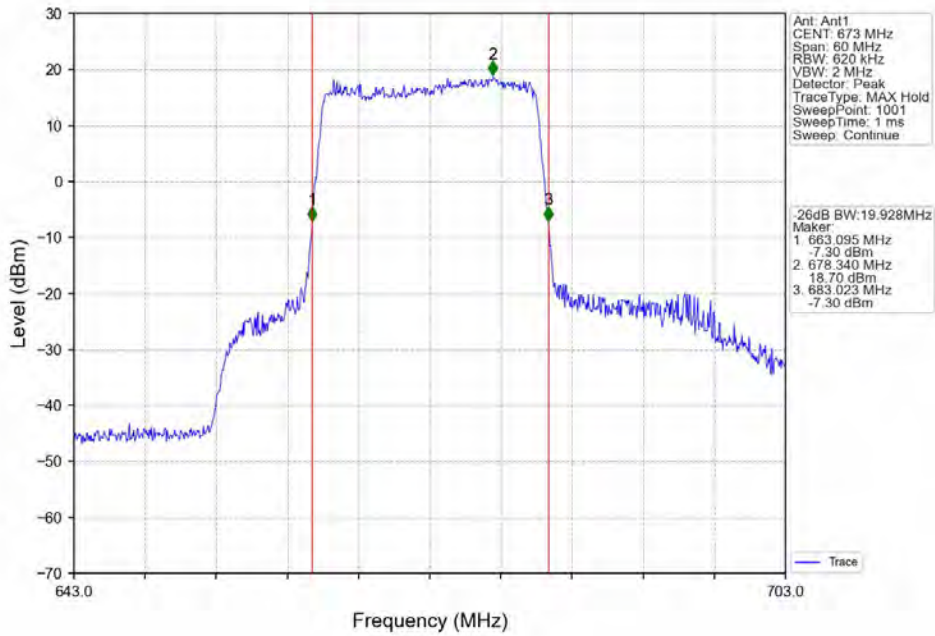
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



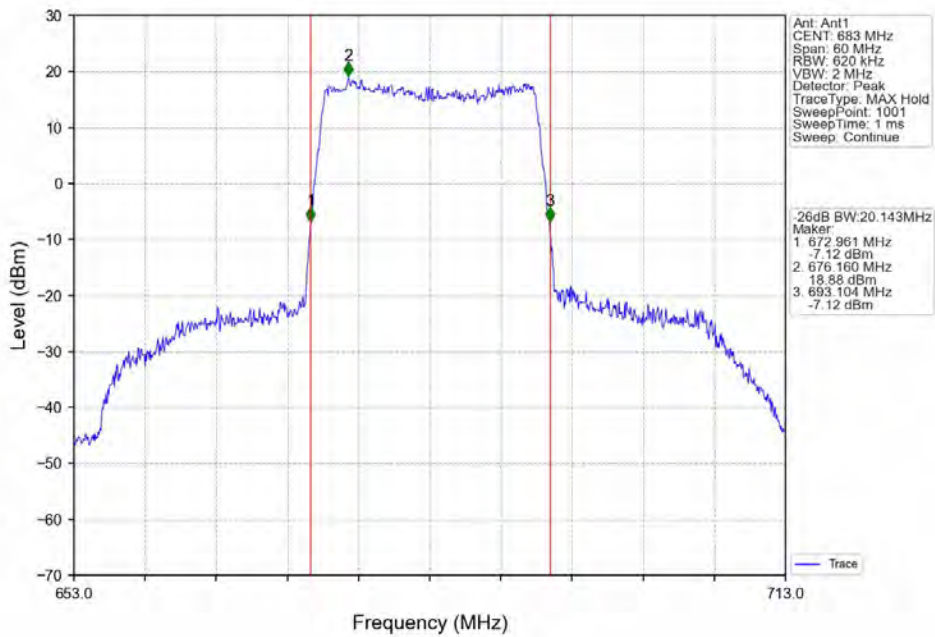
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



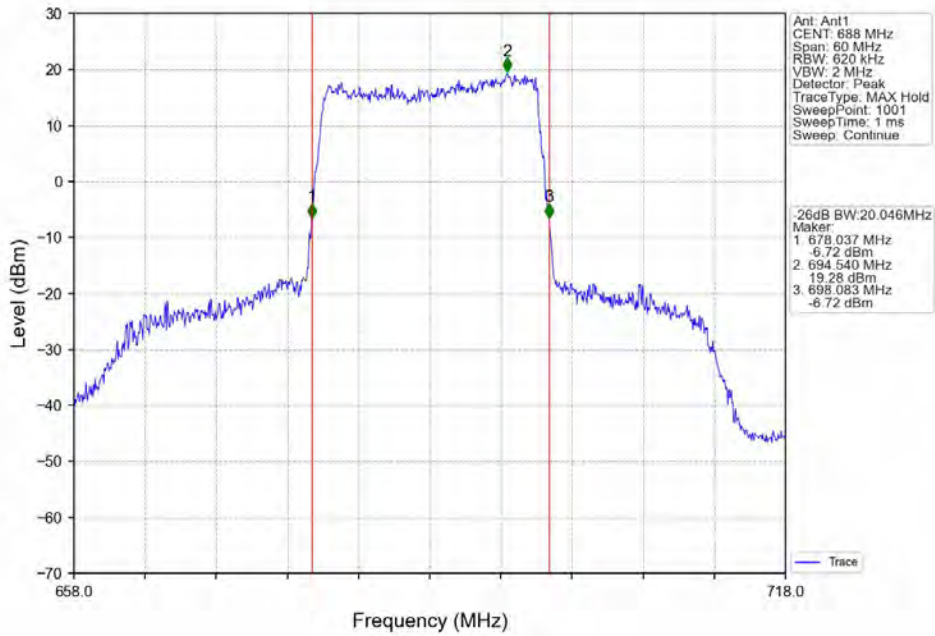
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



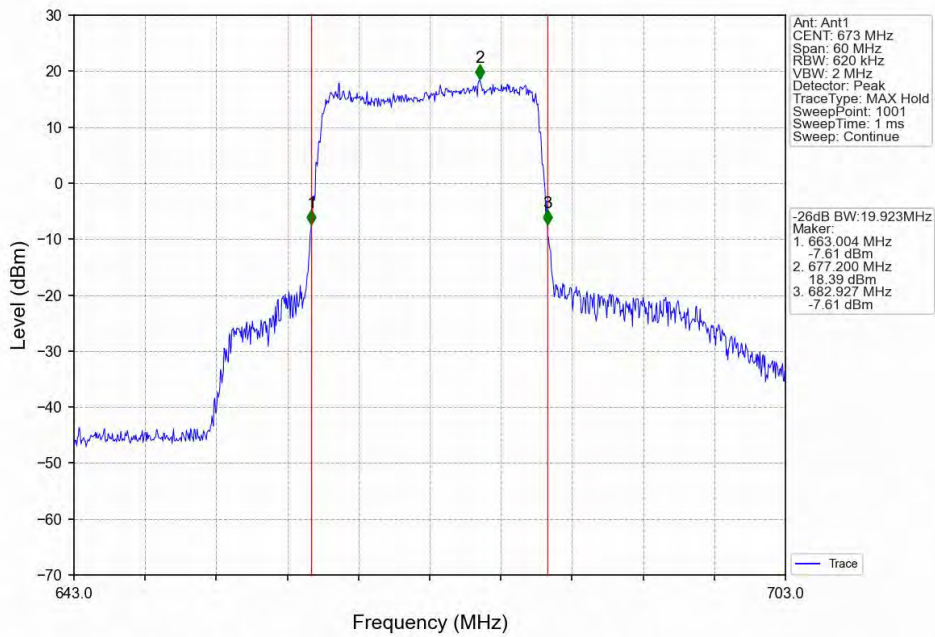
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



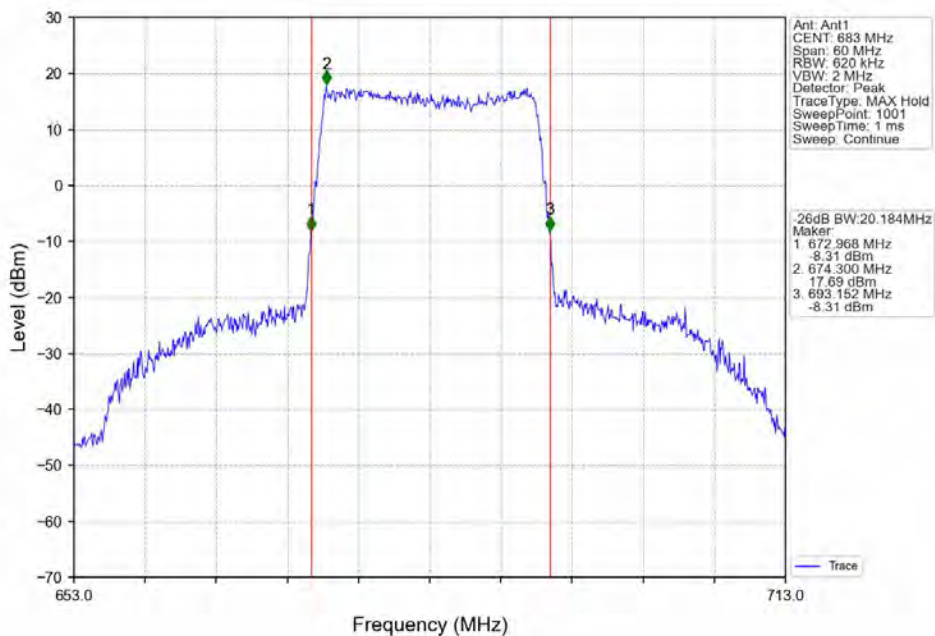
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



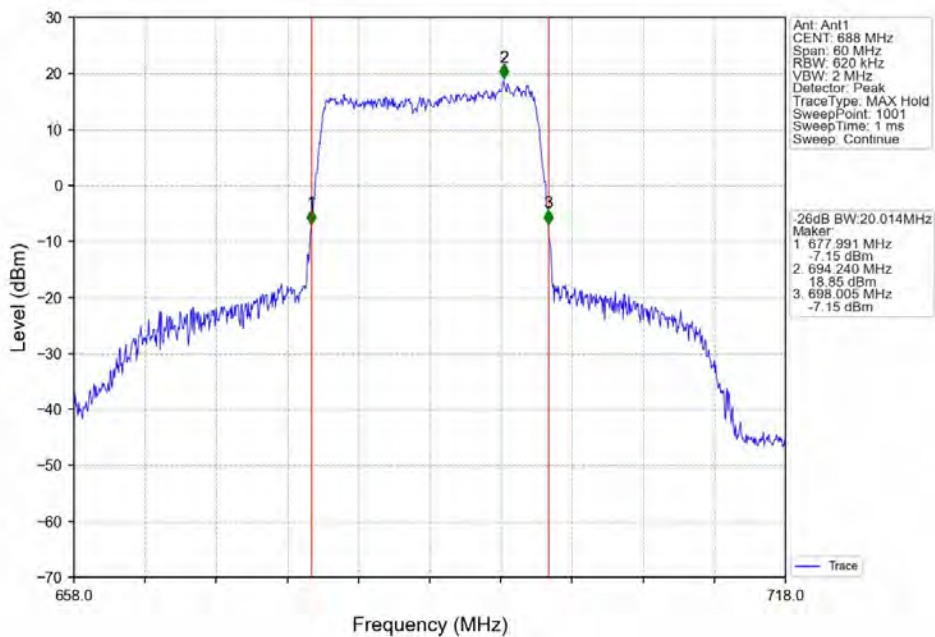
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



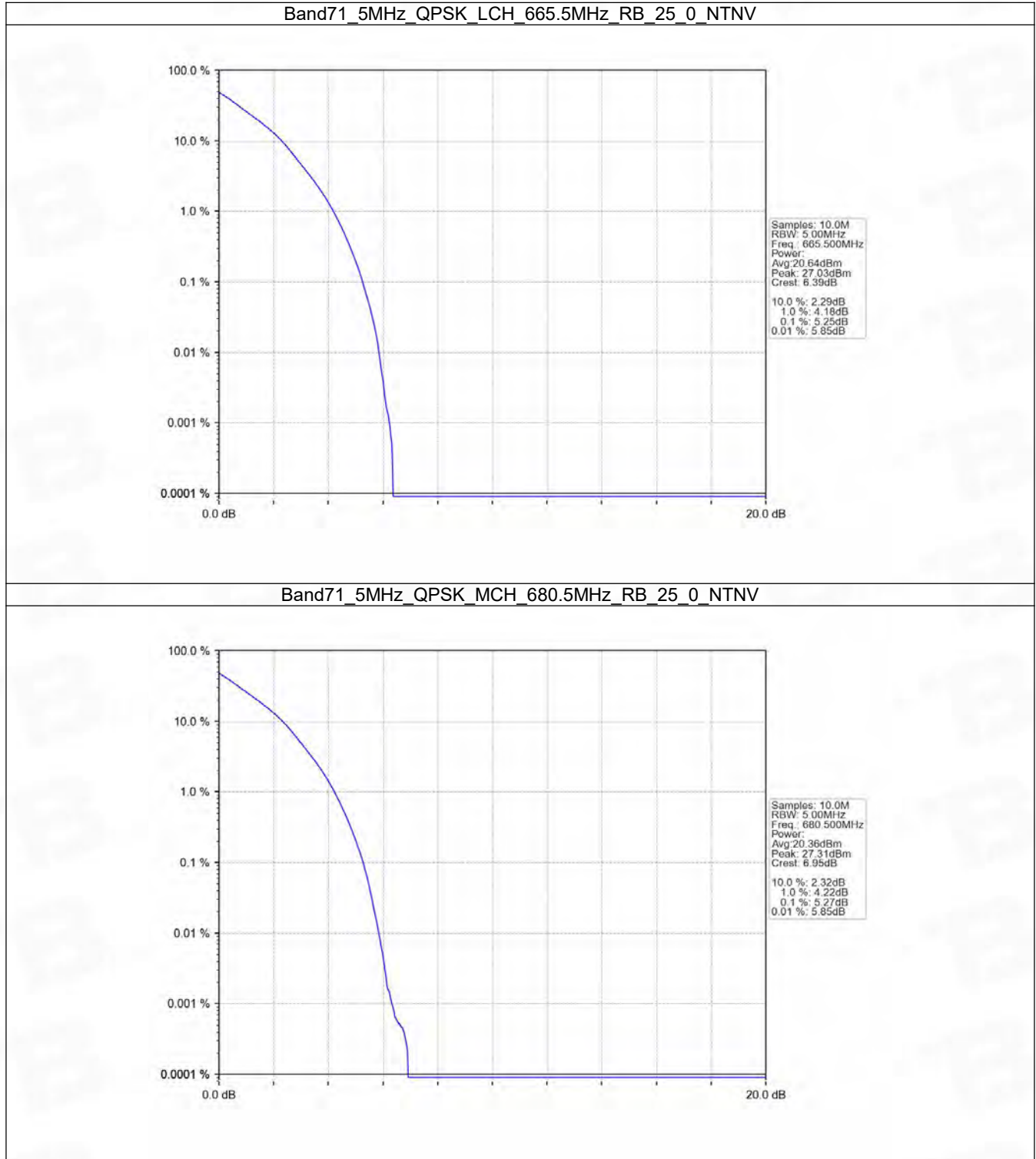
5. Peak-Average Ratio

5.1 B71_5MHz

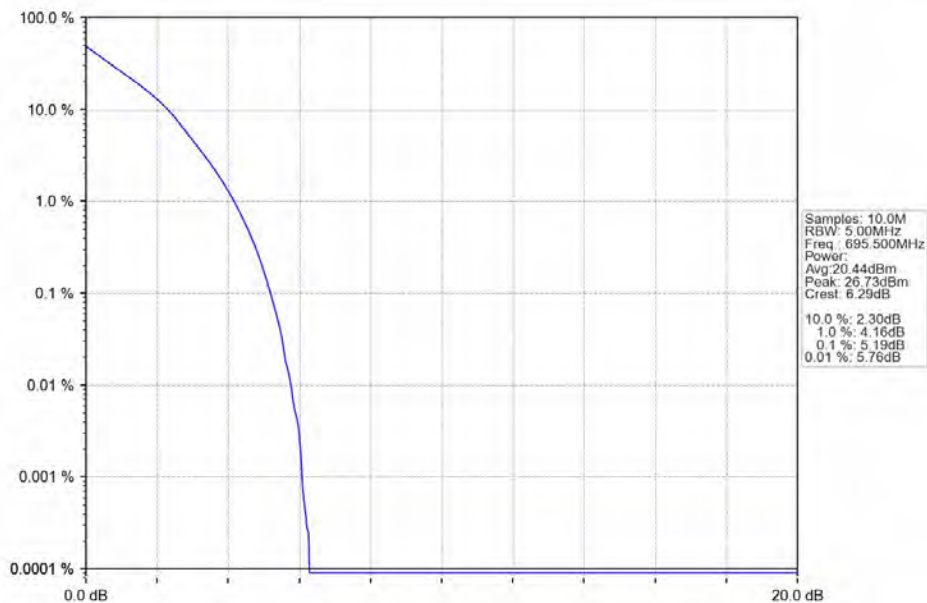
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.25	<=13	Pass
	680.5	25	0	5.27	<=13	Pass
	695.5	25	0	5.19	<=13	Pass
16QAM	665.5	25	0	5.96	<=13	Pass
	680.5	25	0	5.96	<=13	Pass
	695.5	25	0	5.88	<=13	Pass

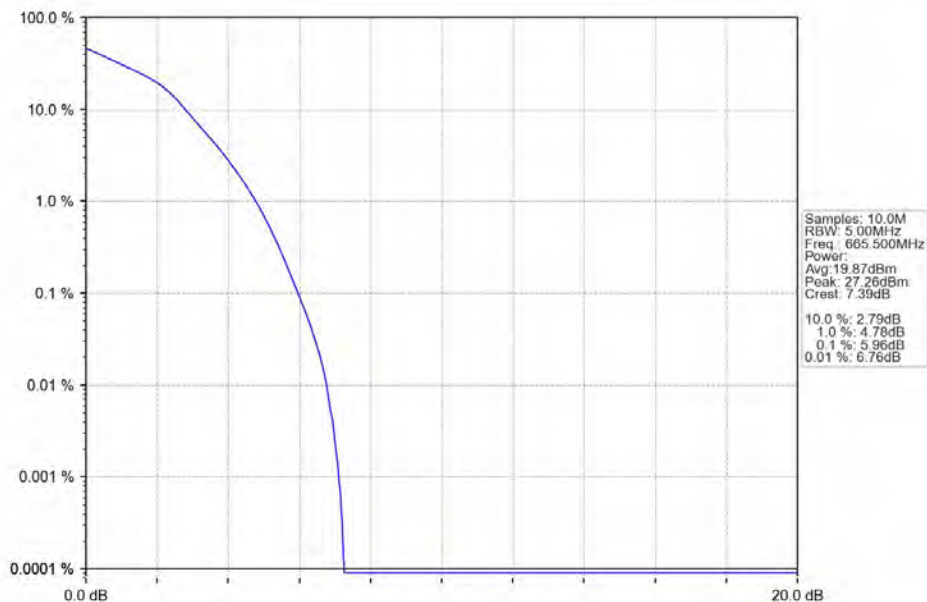
5.1.2 Test Graph



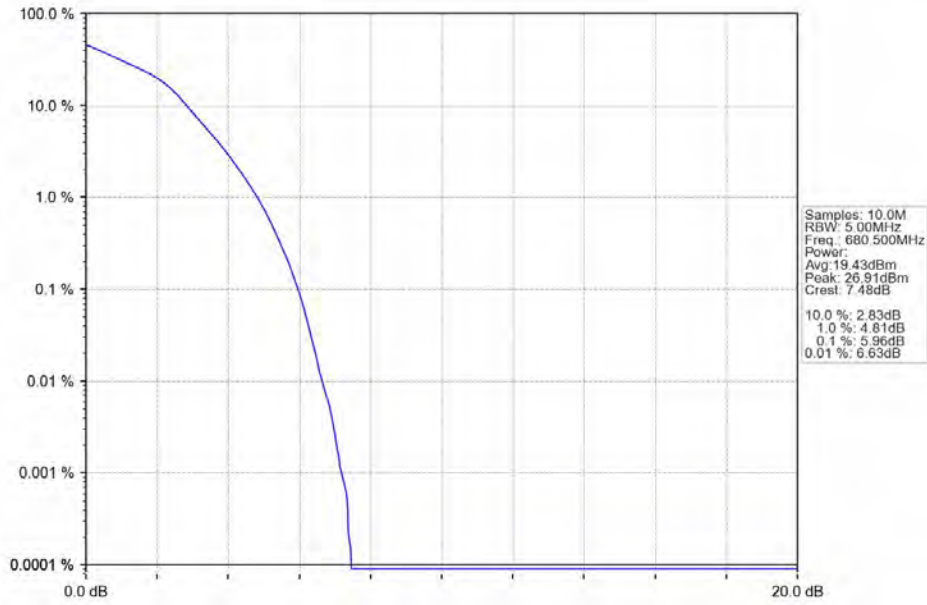
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



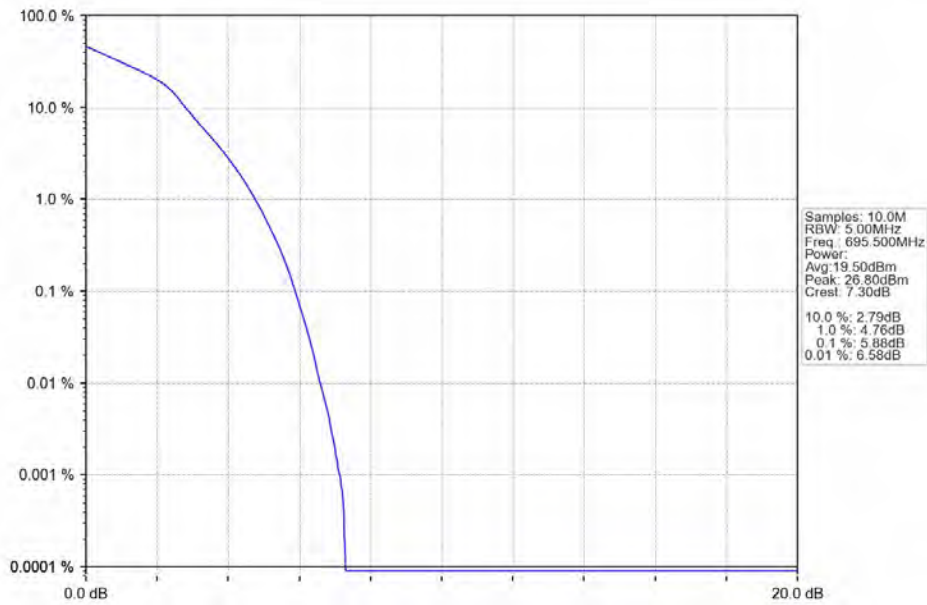
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

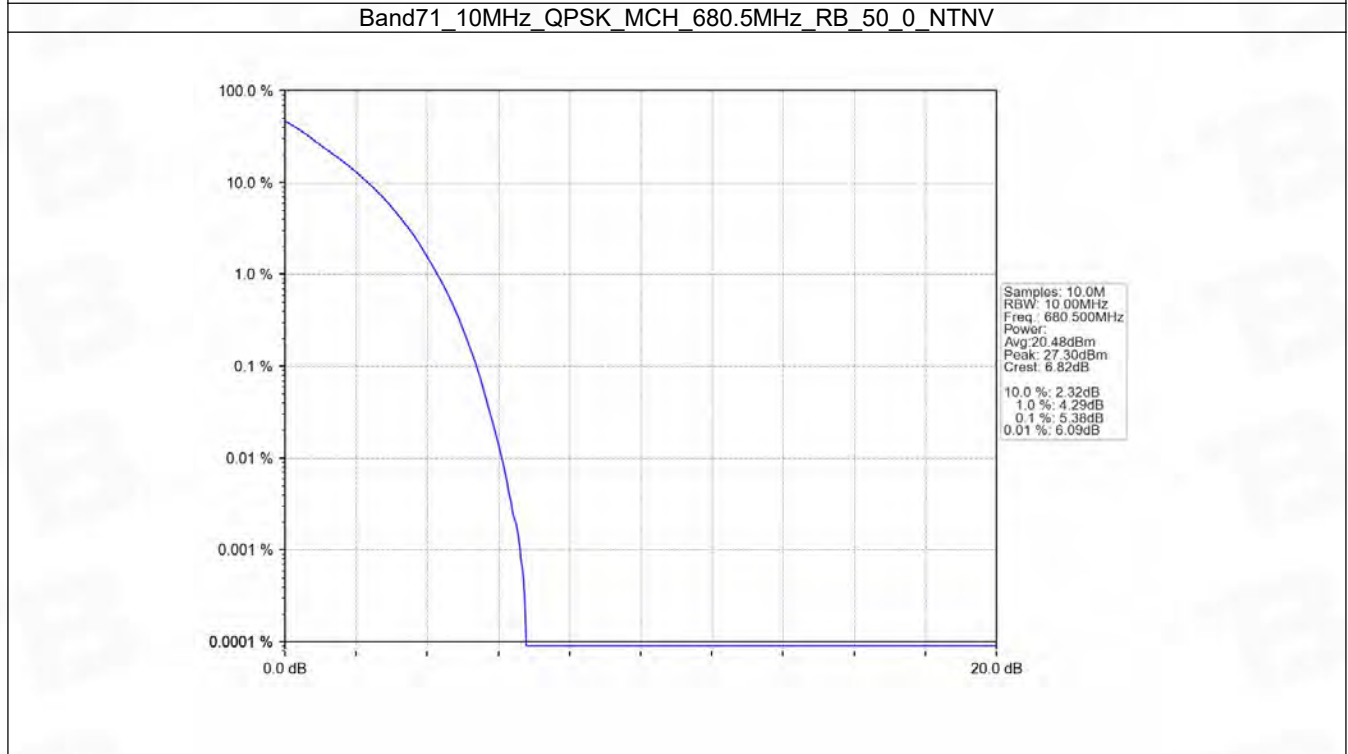
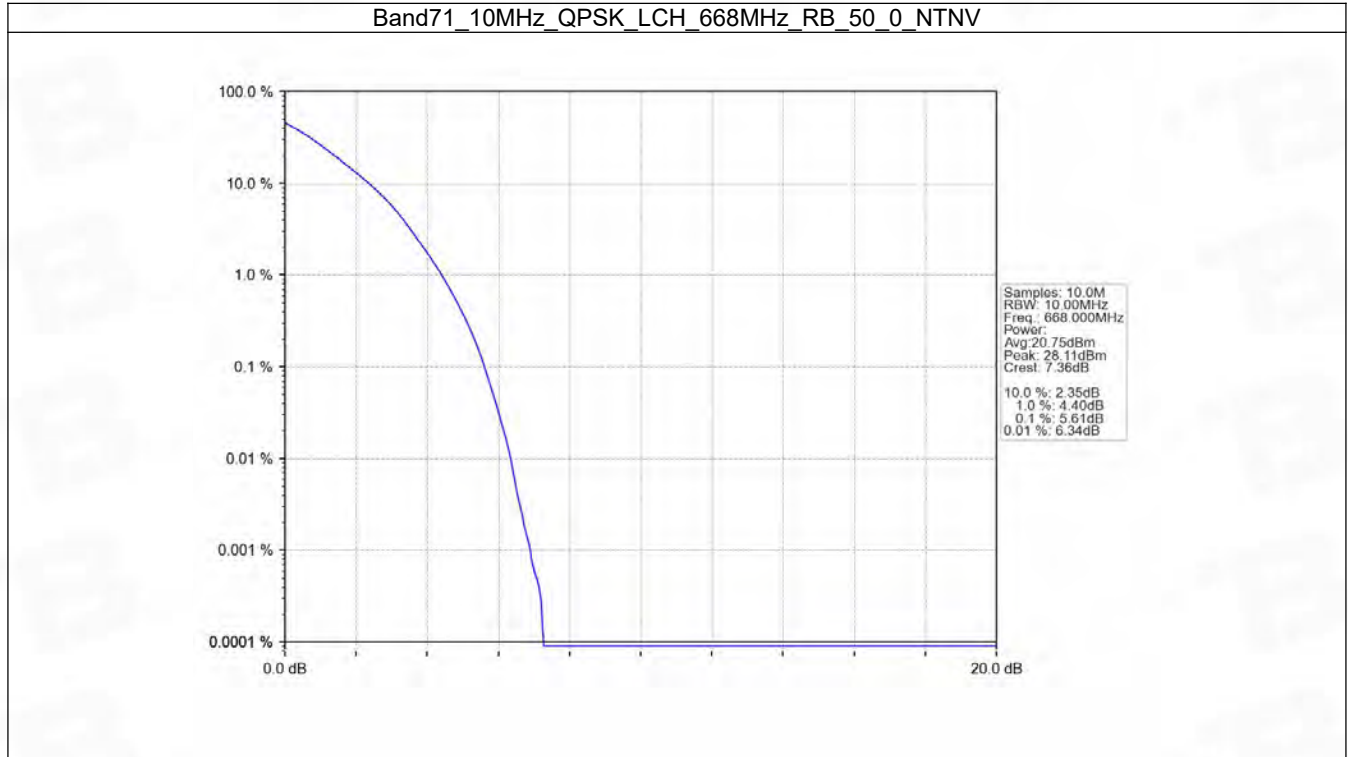


5.2 B71_10MHz

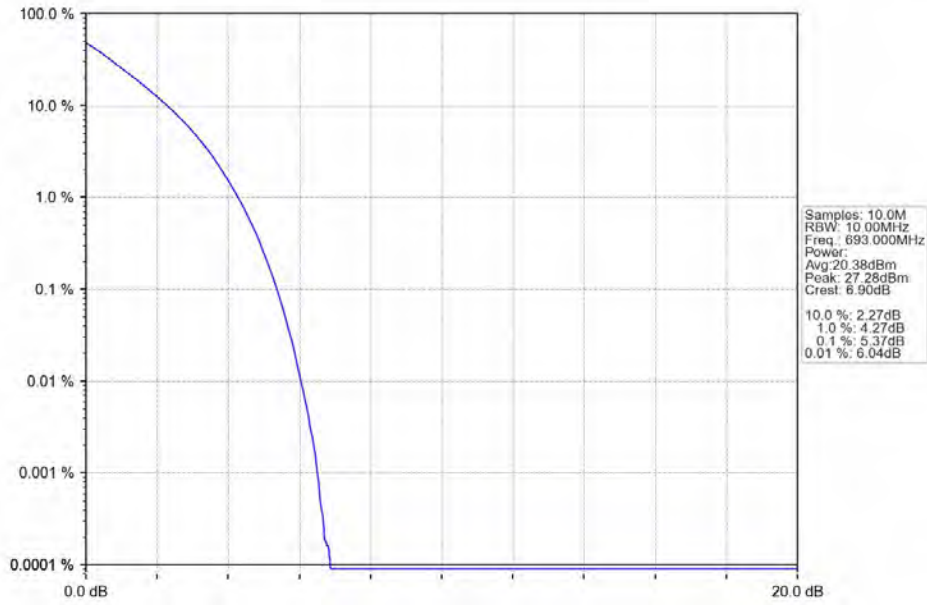
5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.61	<=13	Pass
	680.5	50	0	5.38	<=13	Pass
	693	50	0	5.37	<=13	Pass
16QAM	668	50	0	5.62	<=13	Pass
	680.5	50	0	5.39	<=13	Pass
	693	50	0	5.35	<=13	Pass

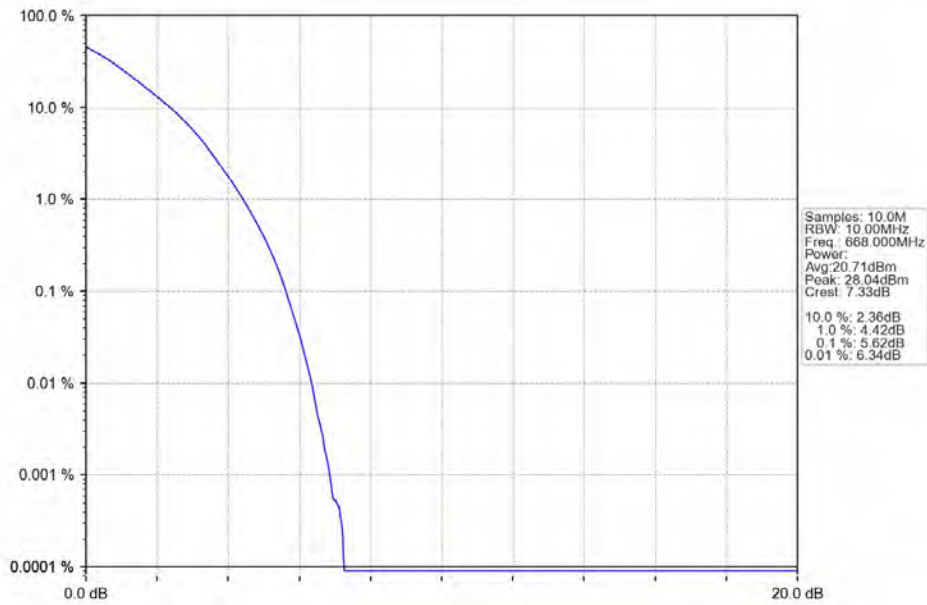
5.2.2 Test Graph



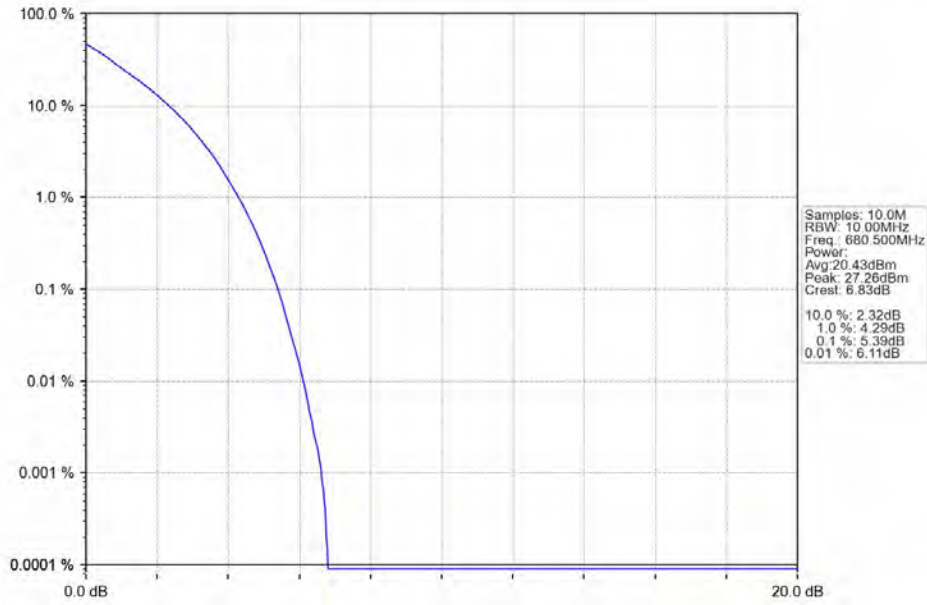
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



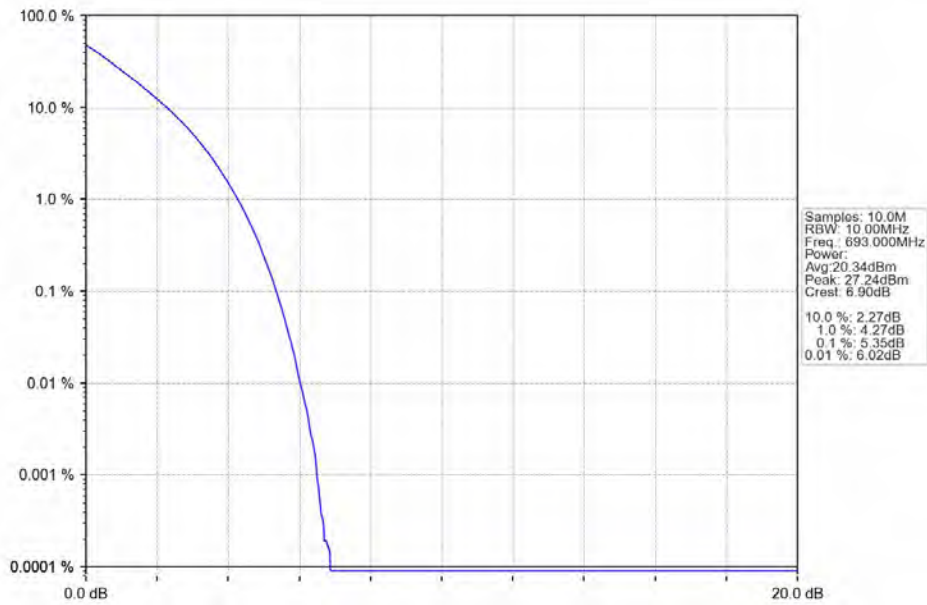
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

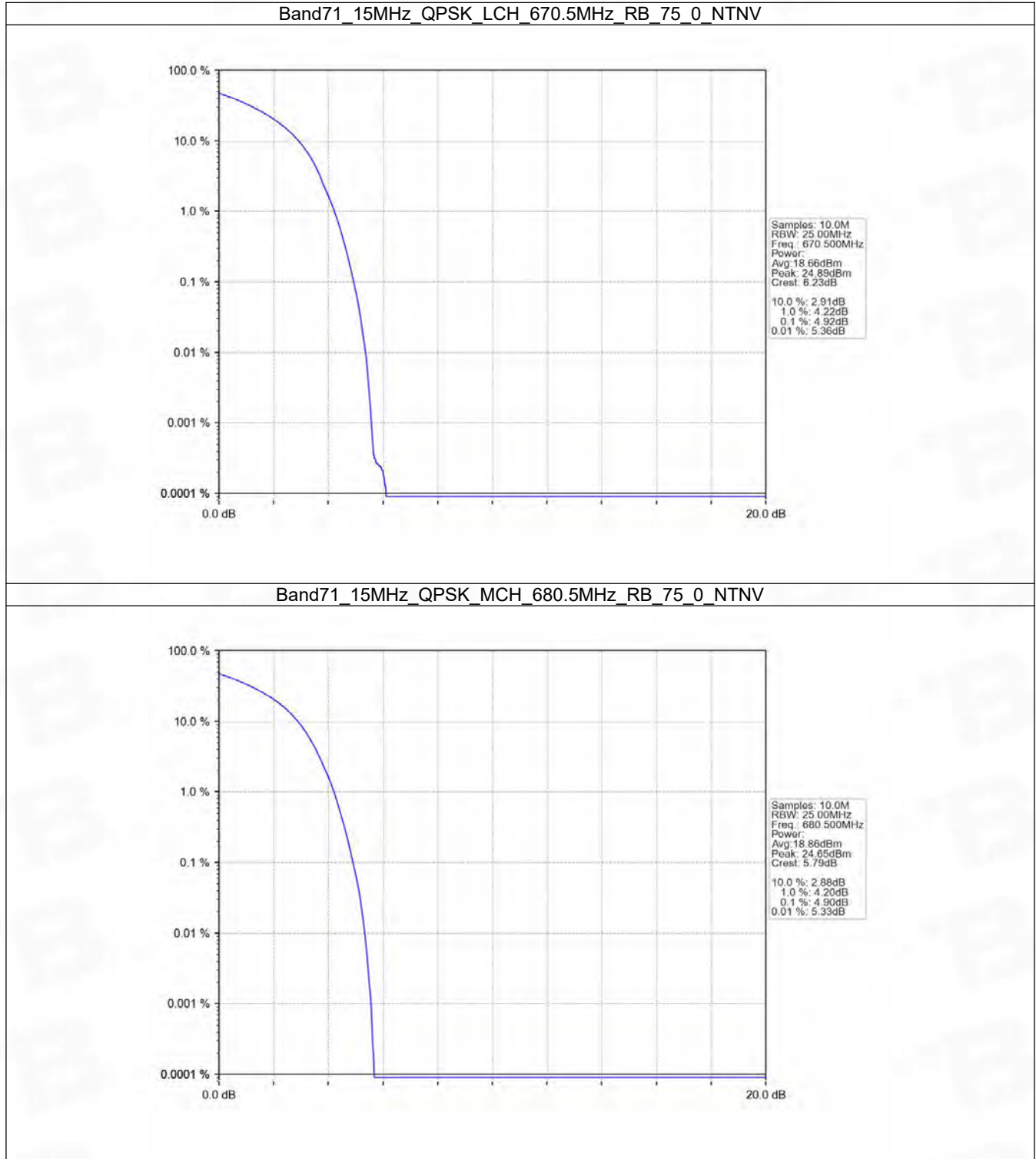


5.3 B71_15MHz

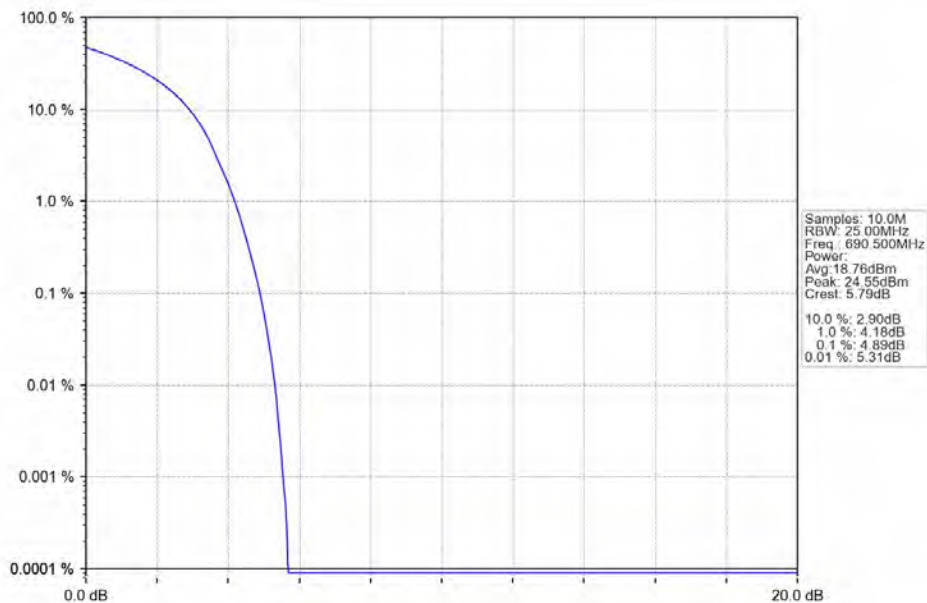
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	4.92	<=13	Pass
	680.5	75	0	4.90	<=13	Pass
	690.5	75	0	4.89	<=13	Pass
16QAM	670.5	75	0	6.13	<=13	Pass
	680.5	75	0	6.15	<=13	Pass
	690.5	75	0	6.09	<=13	Pass

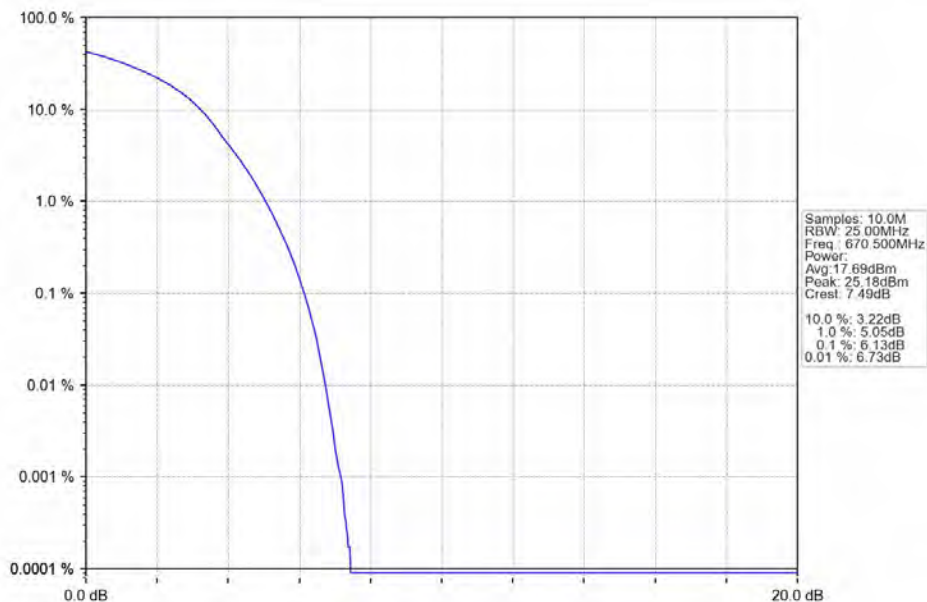
5.3.2 Test Graph



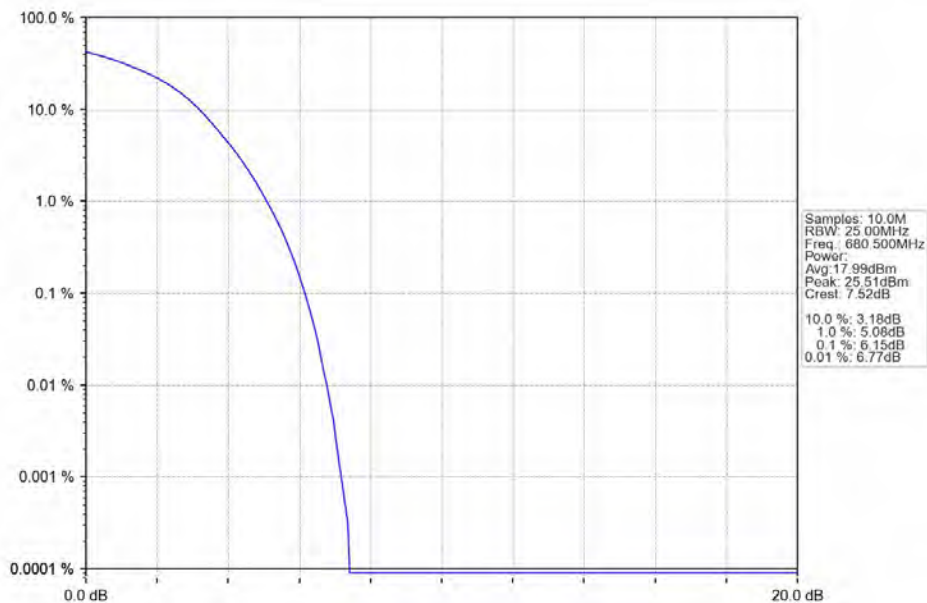
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



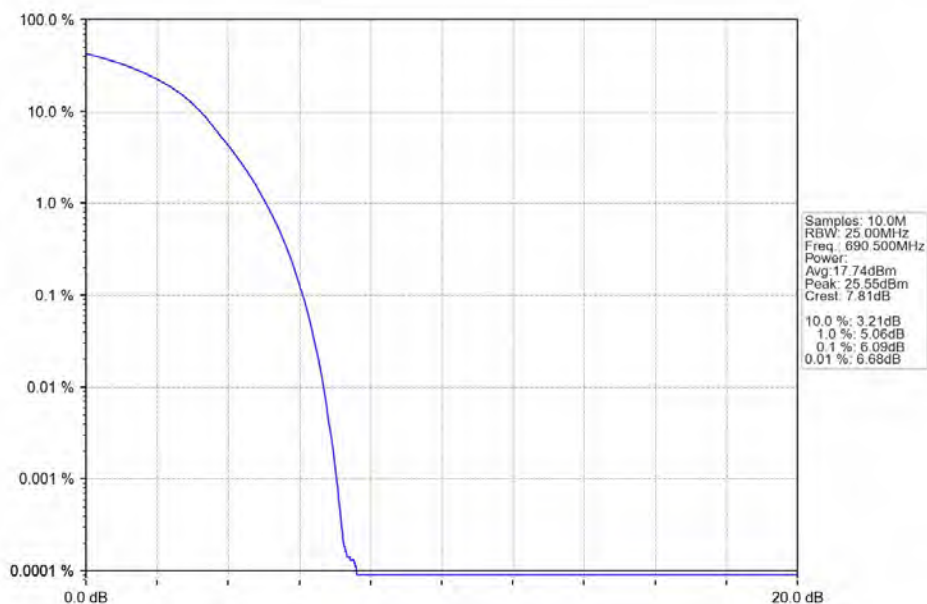
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

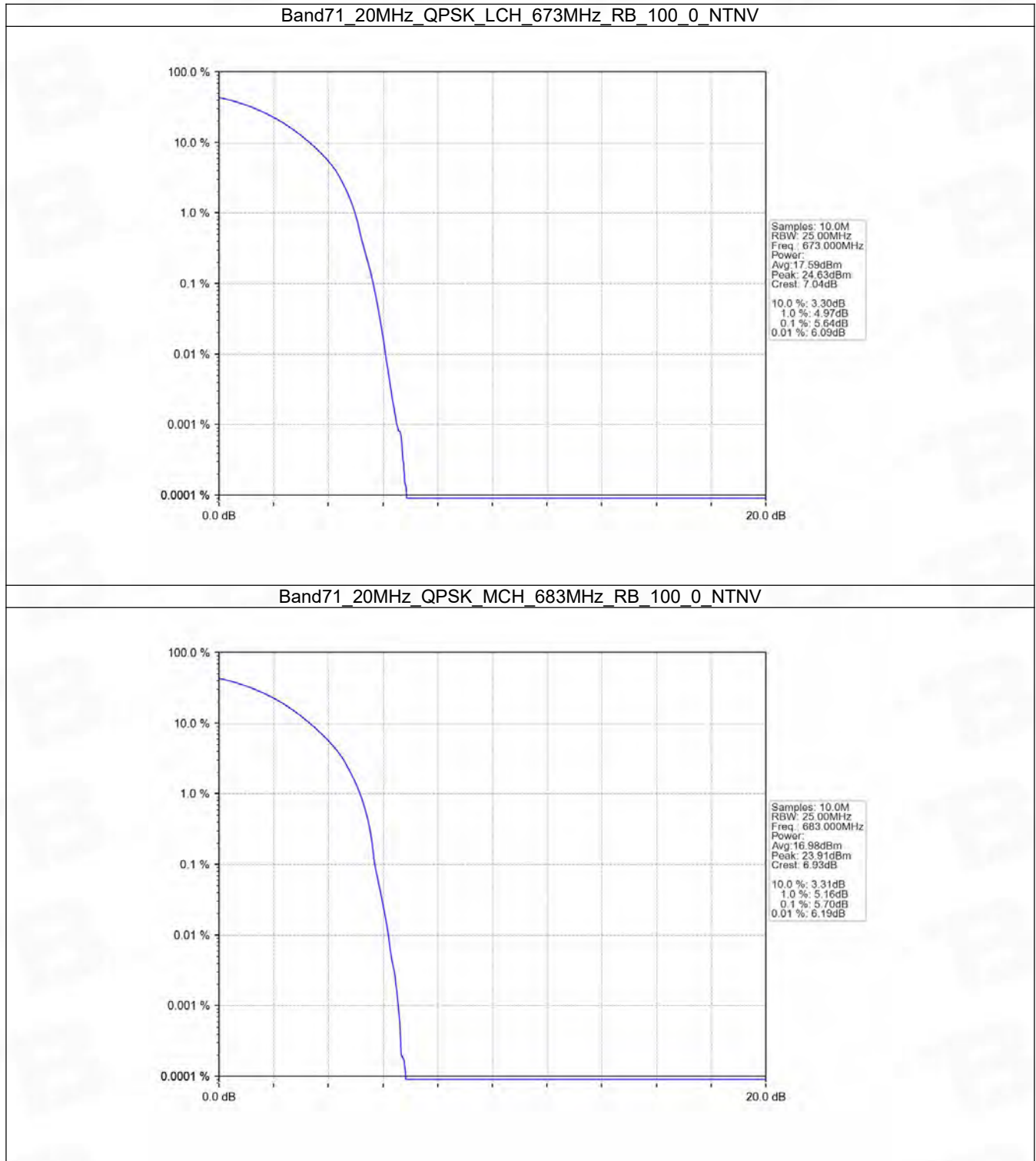


5.4 B71_20MHz

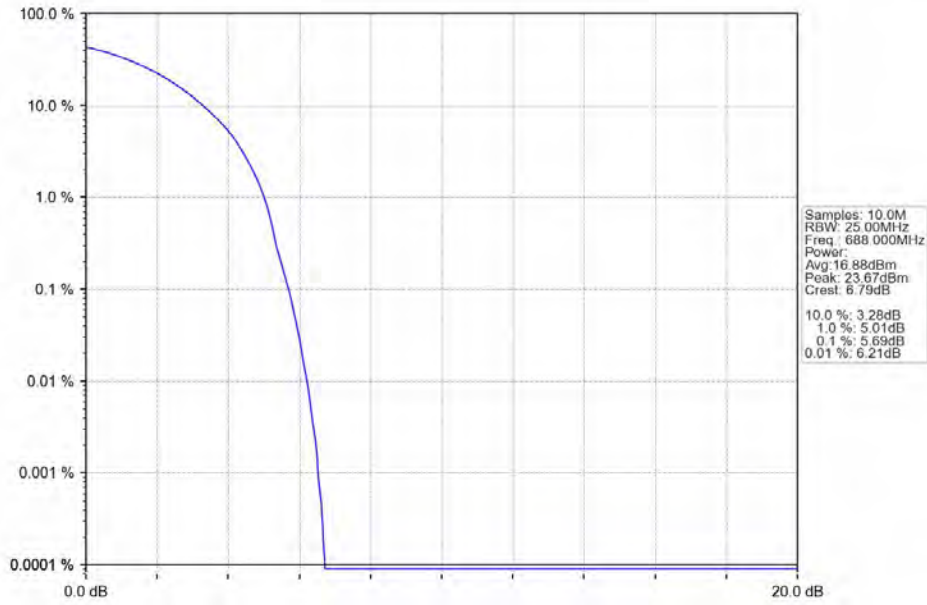
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.64	<=13	Pass
	683	100	0	5.70	<=13	Pass
	688	100	0	5.69	<=13	Pass
16QAM	673	100	0	6.66	<=13	Pass
	683	100	0	6.71	<=13	Pass
	688	100	0	6.67	<=13	Pass

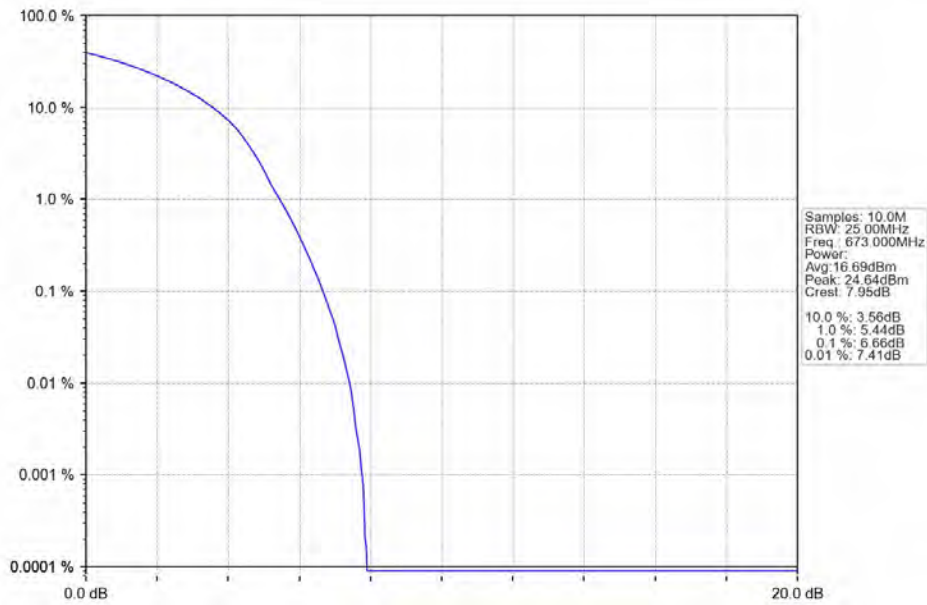
5.4.2 Test Graph



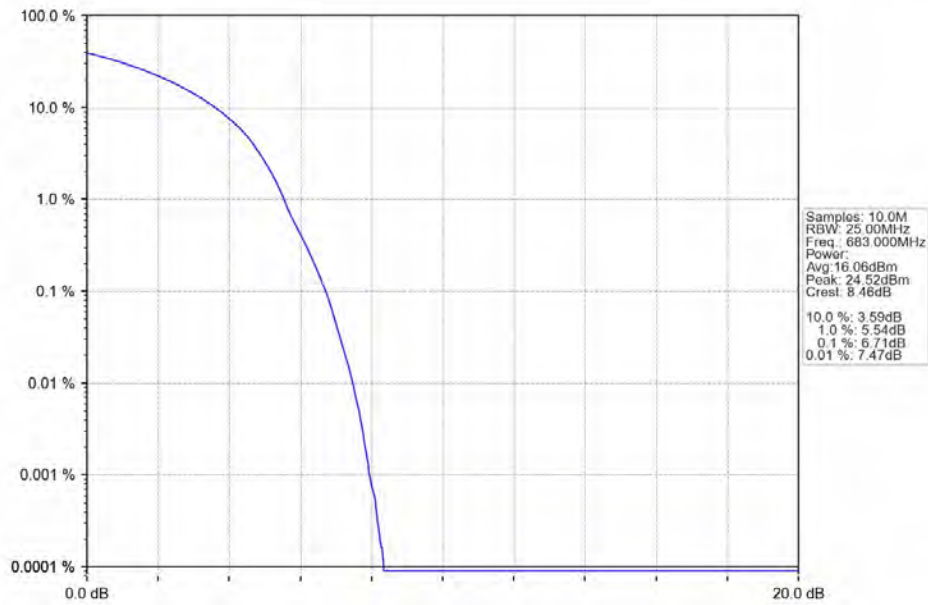
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



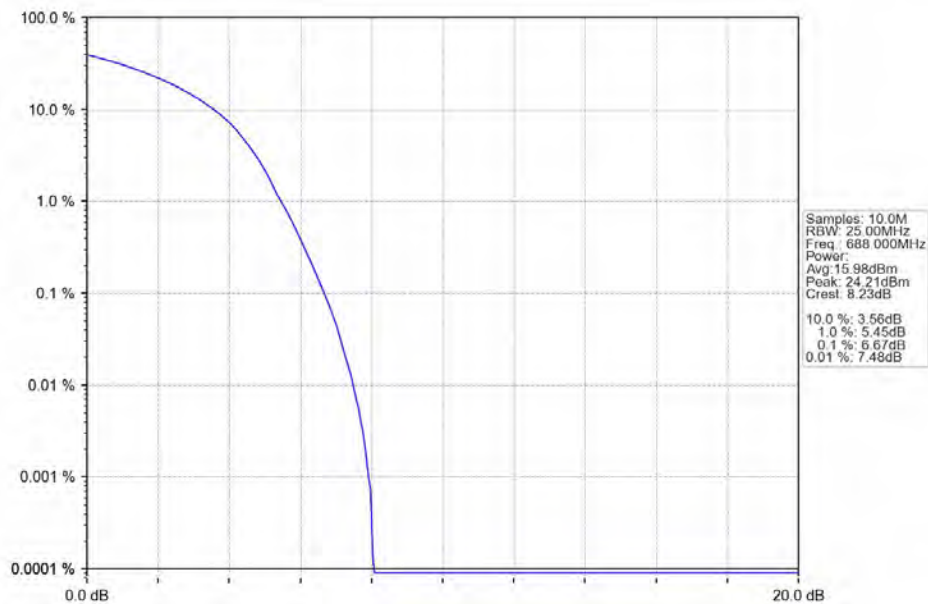
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



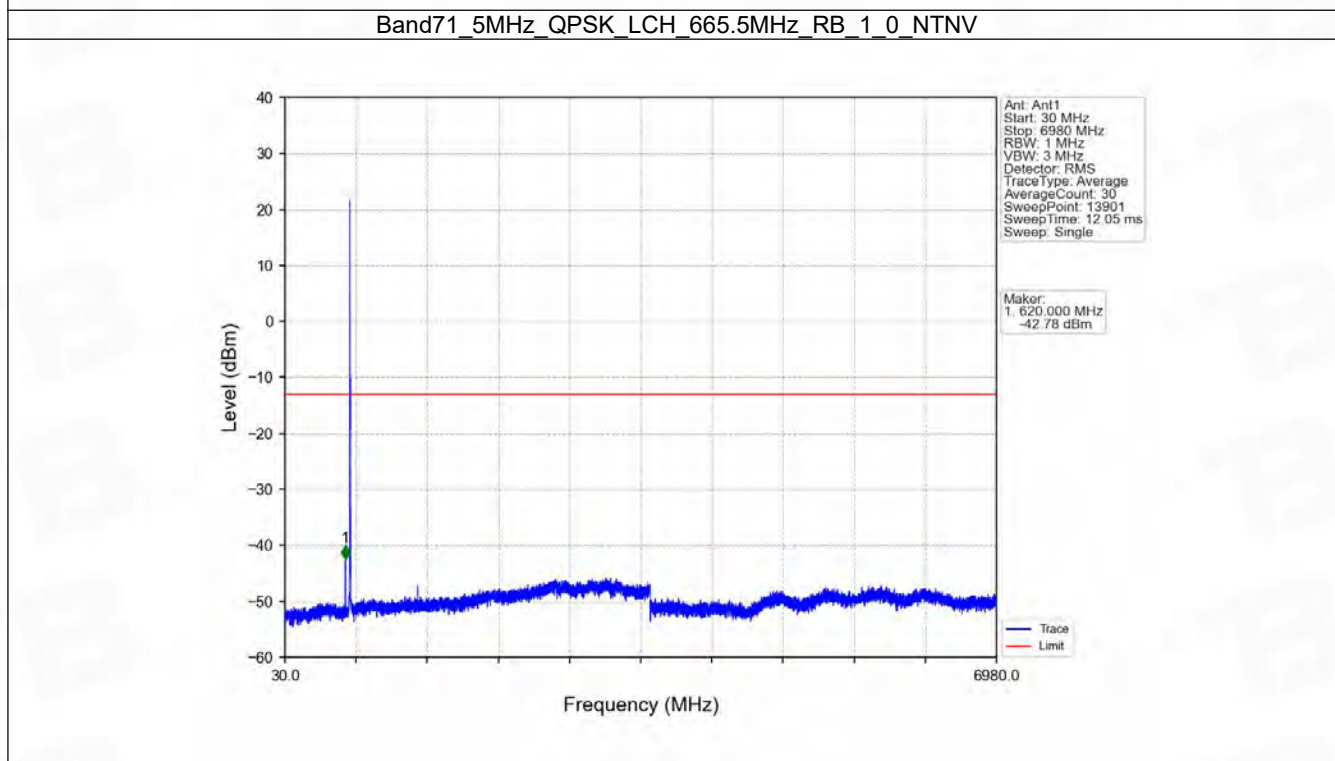
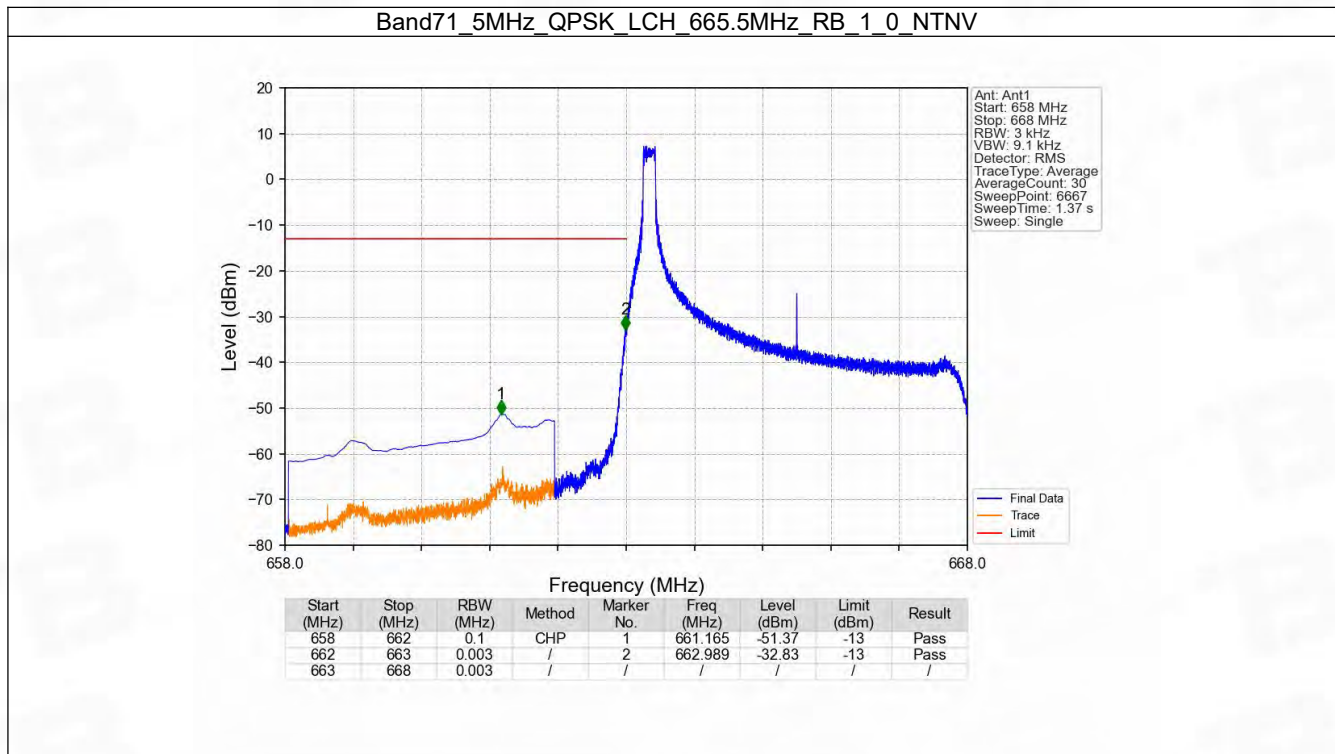
6. Spurious Emission

6.1 B71_5MHz

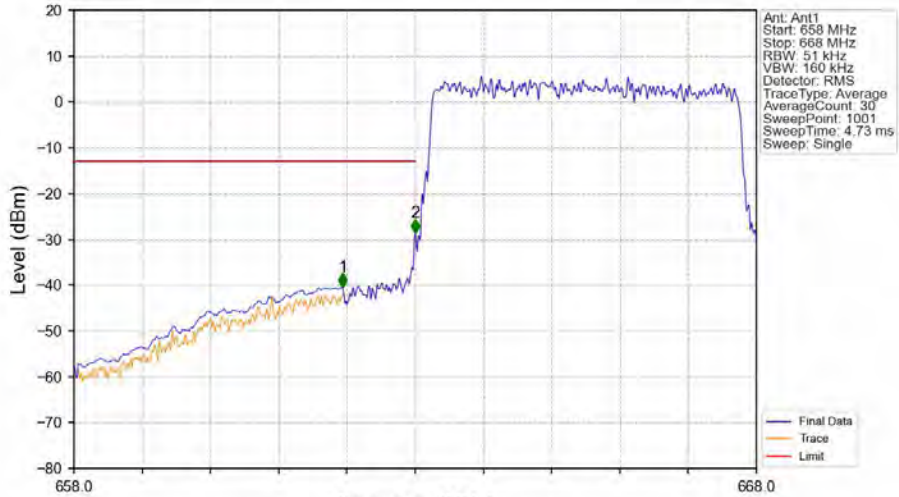
6.1.1 Test Result

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

6.1.2 Test Graph

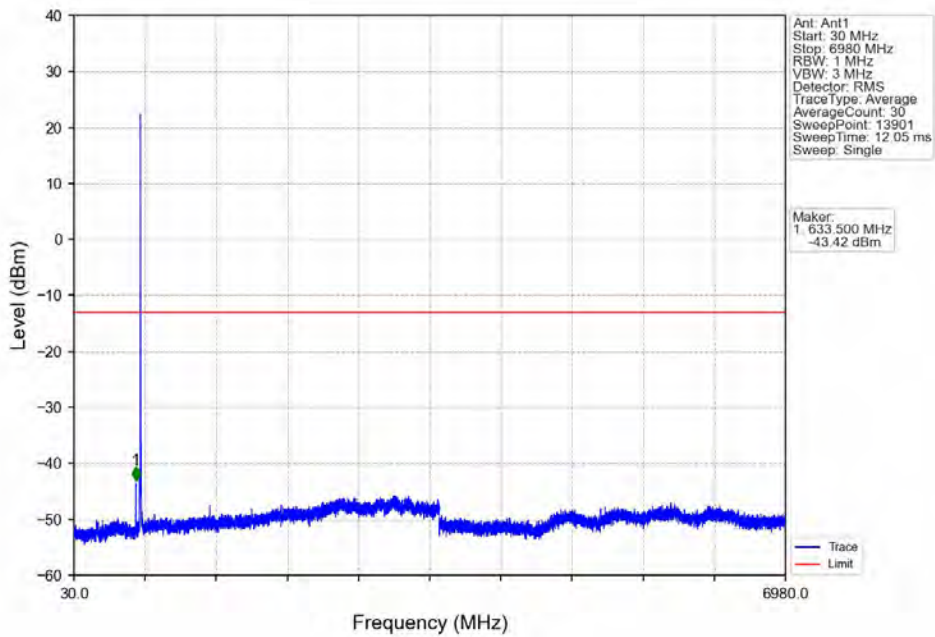


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-40.40	-13	Pass
662	663	0.051	/	2	663.000	-28.59	-13	Pass
663	668	0.051	/	/	/	/	/	/

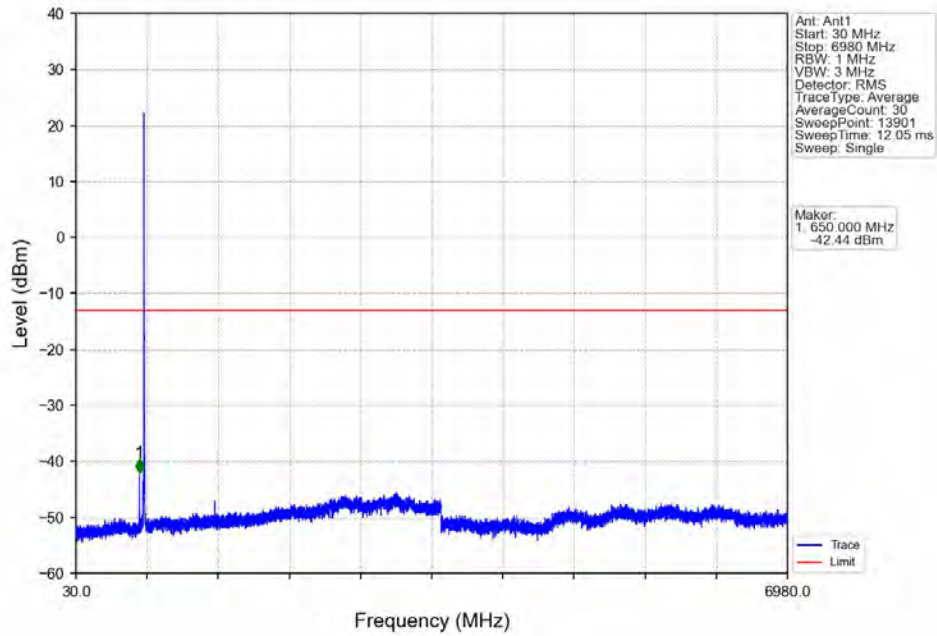
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



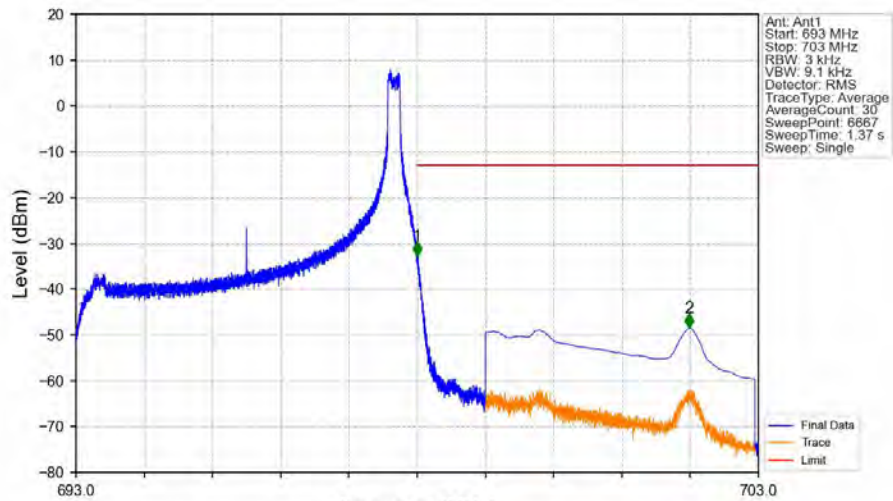
Ant: Ant1
 Start: 30 MHz
 Stop: 6980 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 TraceType: Average
 AverageCount: 30
 SweepPoint: 13901
 SweepTime: 12.05 ms
 Sweep: Single

Marker:
 1: 633.500 MHz
 -43.42 dBm

Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

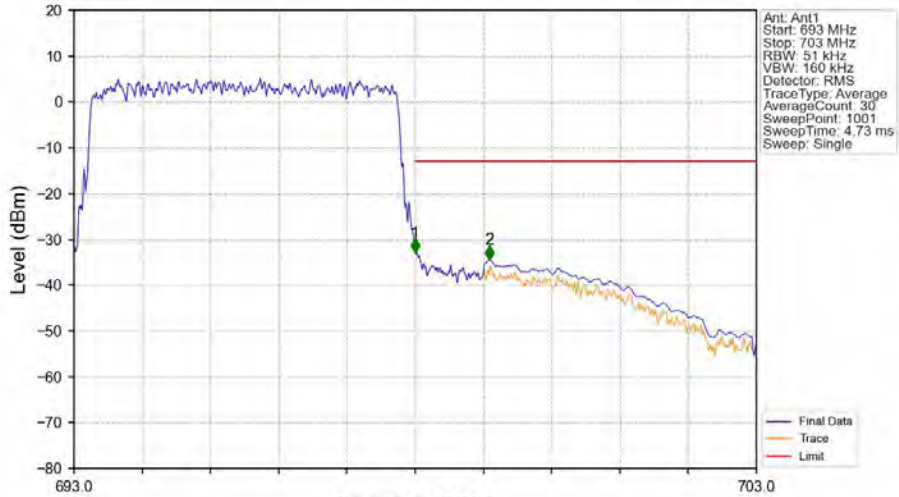


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



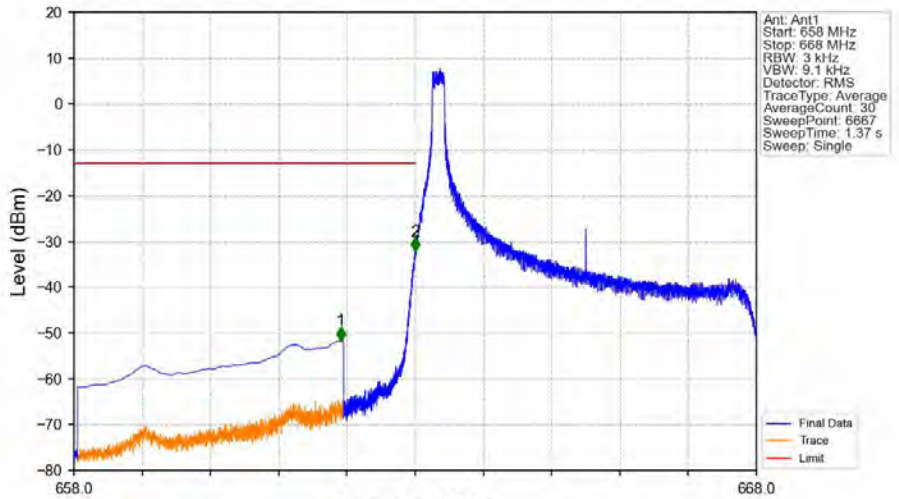
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	1	698.000	-32.76	-13	Pass
698	699	0.003	/	1	698.000	-32.76	-13	Pass
699	703	0.1	CHP	2	701.984	-48.51	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



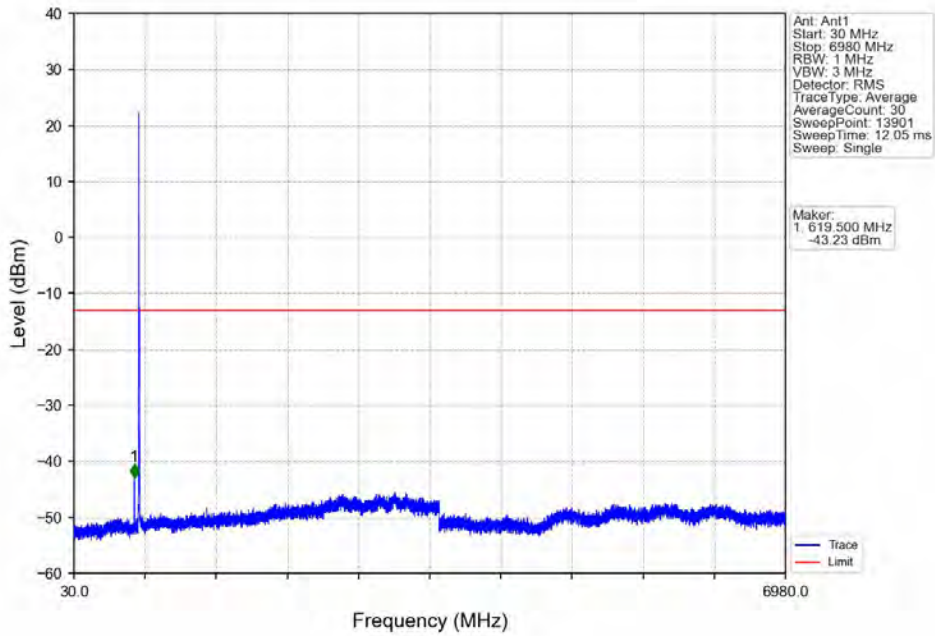
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	1	698.000	-32.94	-13	Pass
698	699	0.051	/	2	699.090	-34.42	-13	Pass
699	703	0.1	CHP	2				

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

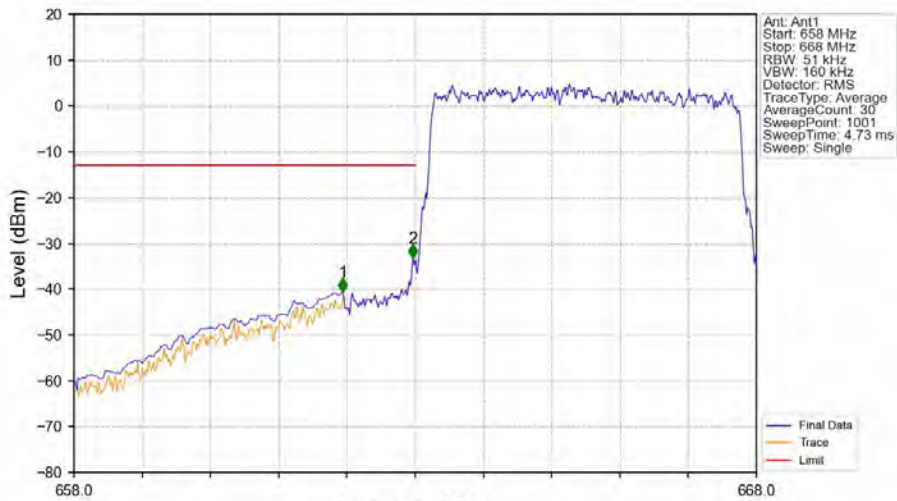


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.911	-51.71	-13	Pass
662	663	0.003	/	2	663.000	-32.16	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTV

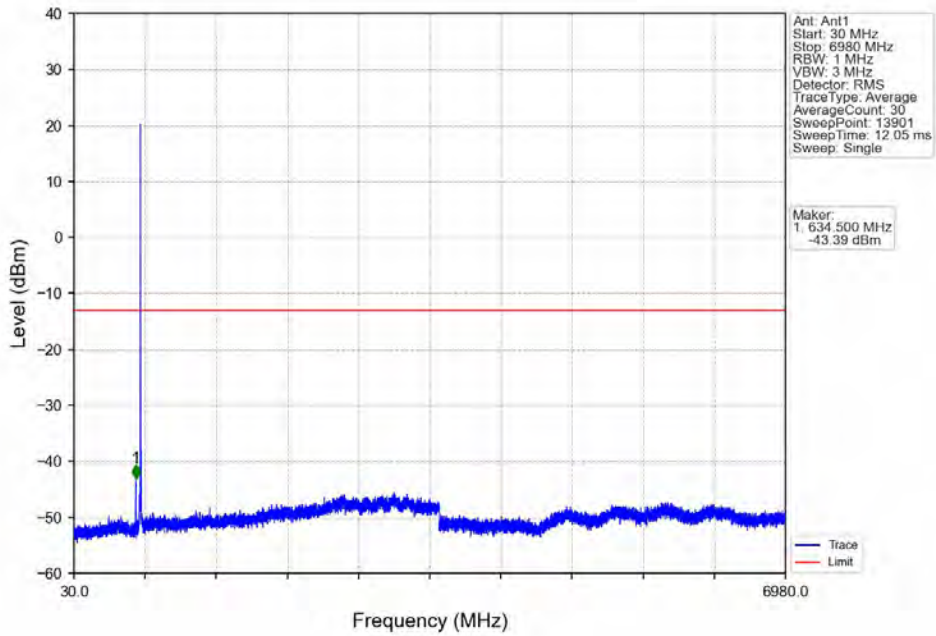


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTV

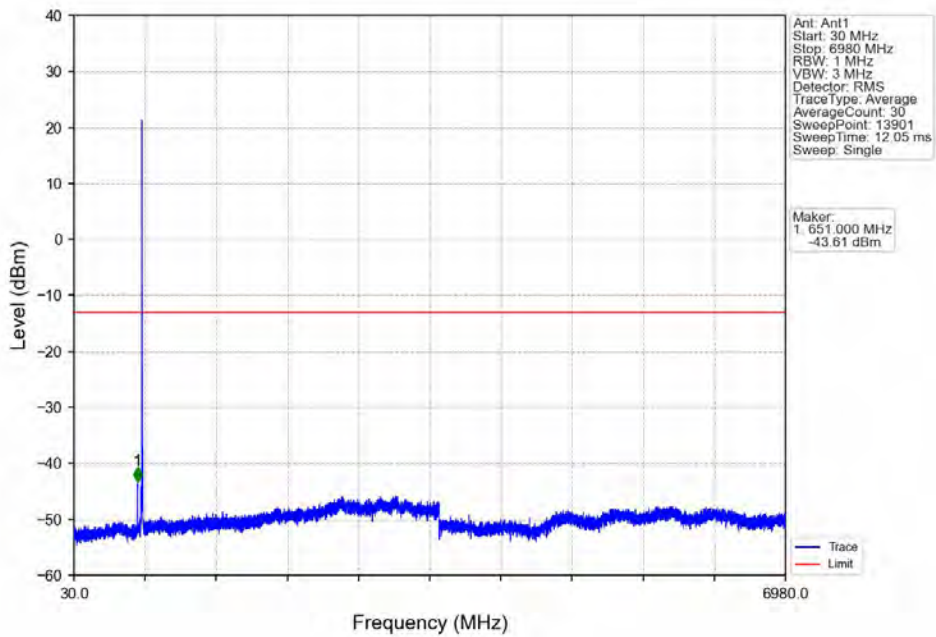


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-40.74	-13	Pass
662	663	0.051	/	2	662.970	-33.23	-13	Pass
663	668	0.051	/	/	/	/	/	/

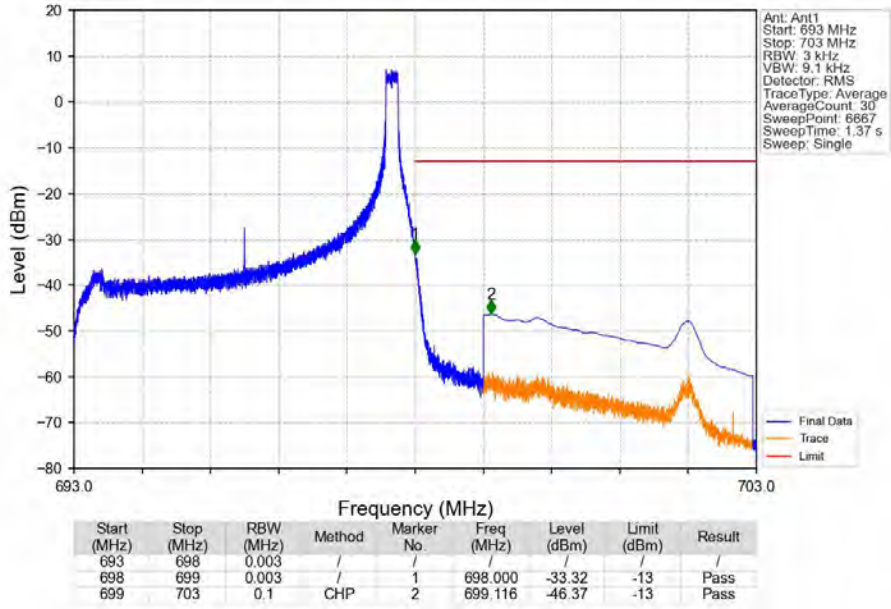
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



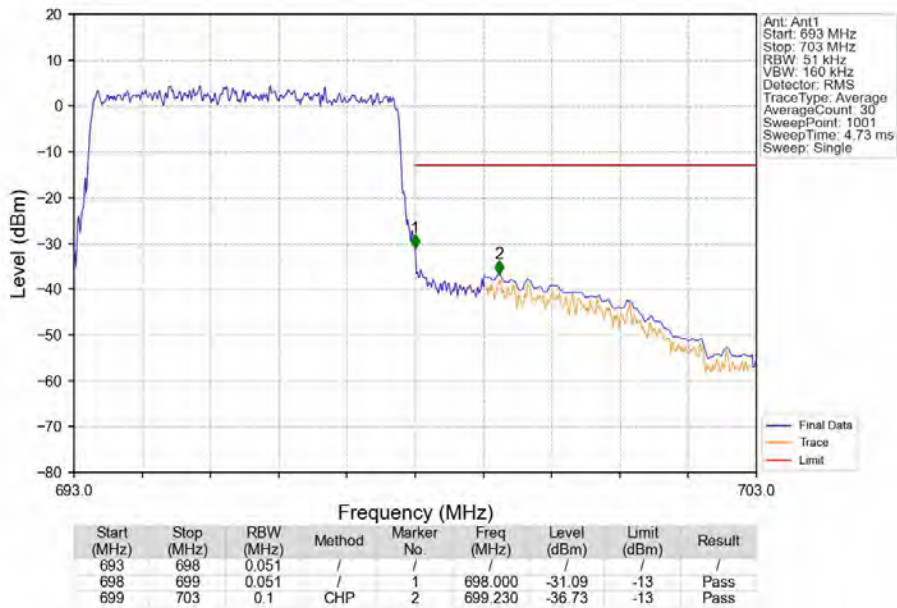
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

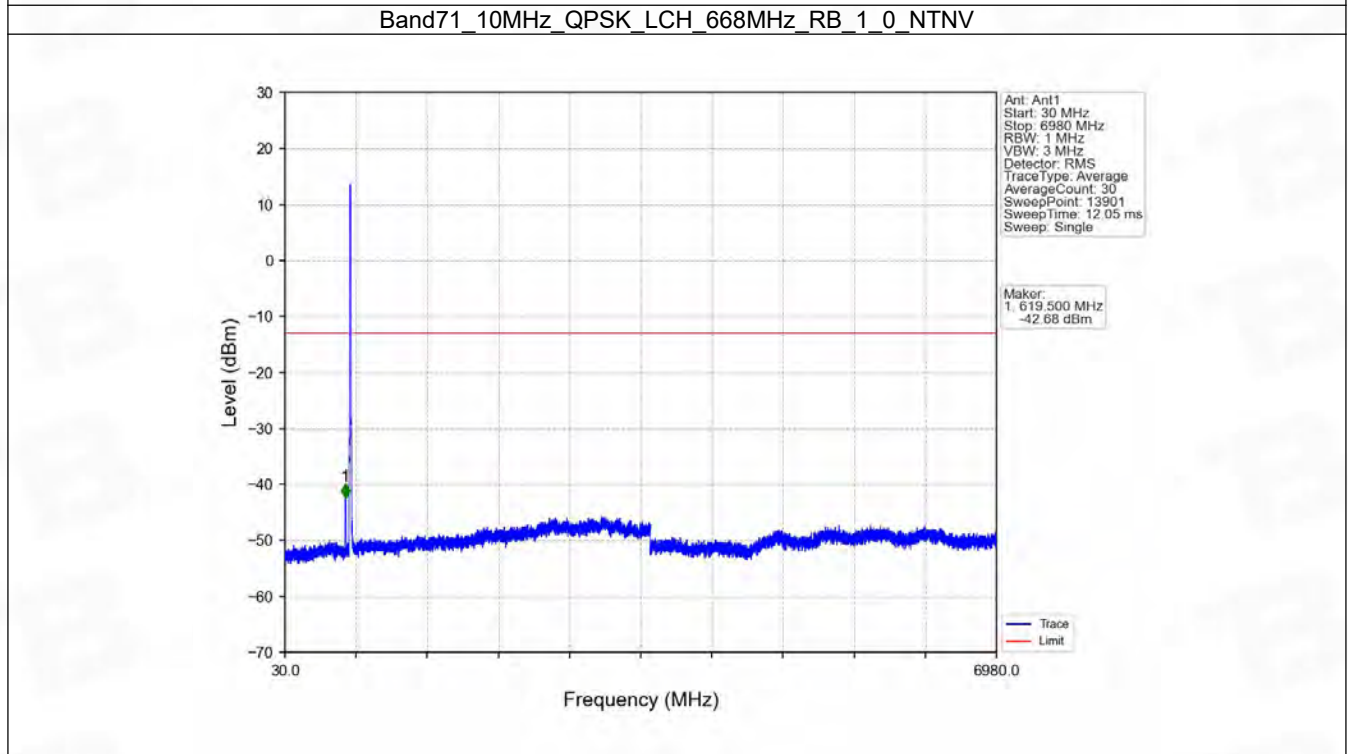
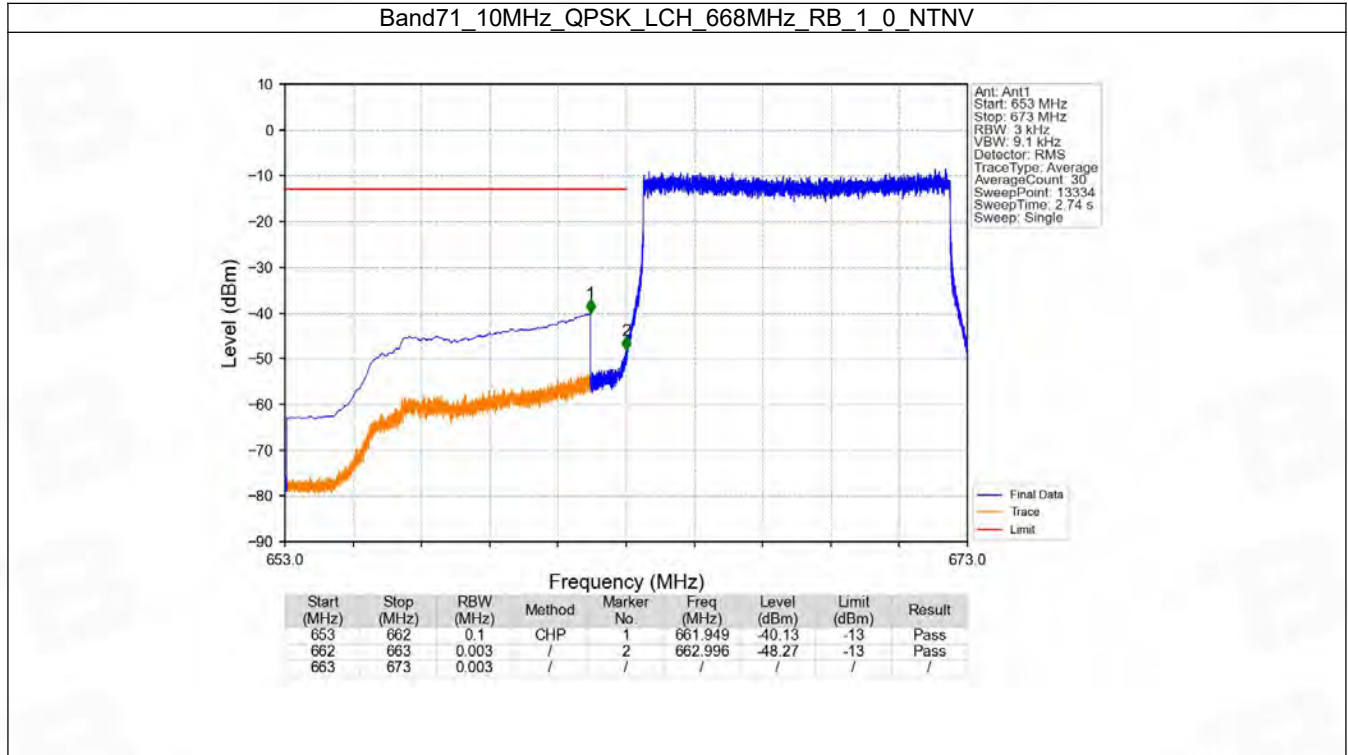


6.2 B71_10MHz

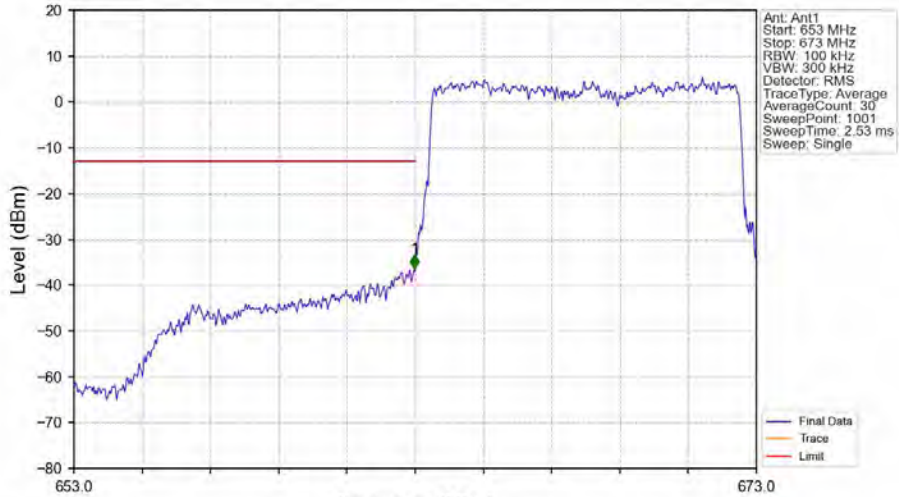
6.2.1 Test Result

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

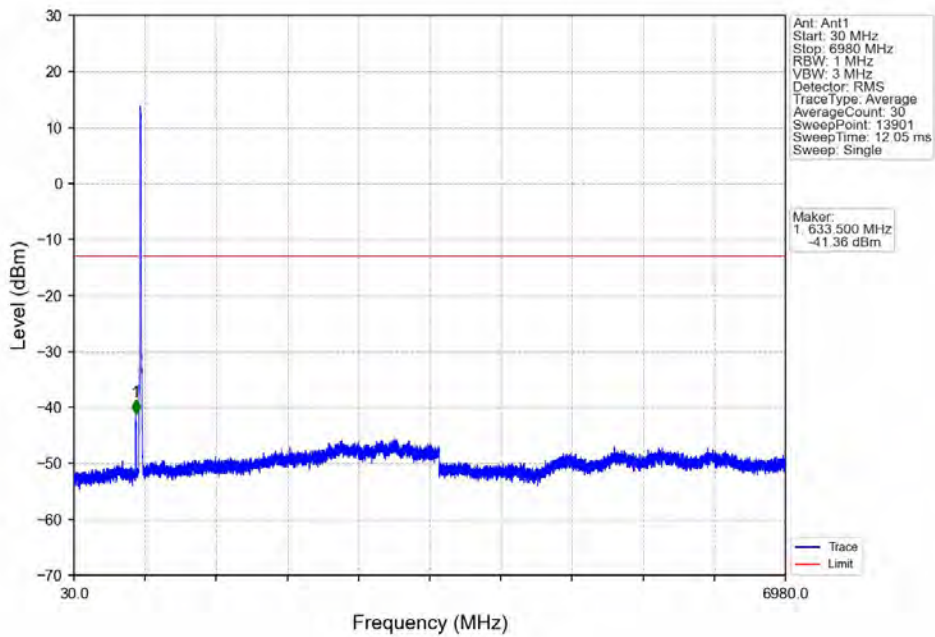


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



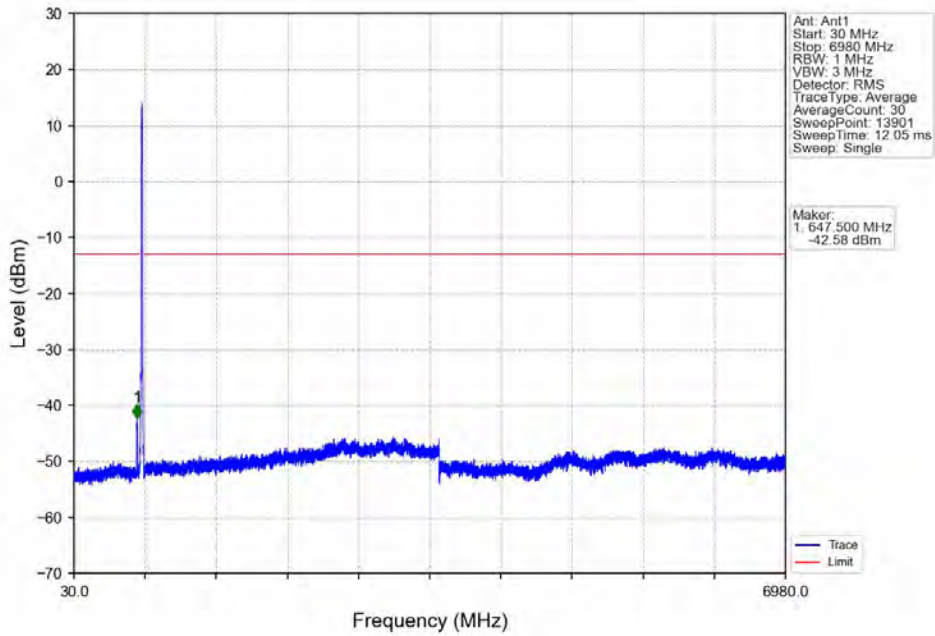
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.980	-36.41	-13	Pass
663	673	0.1	/	/	/	/	/	/

Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV

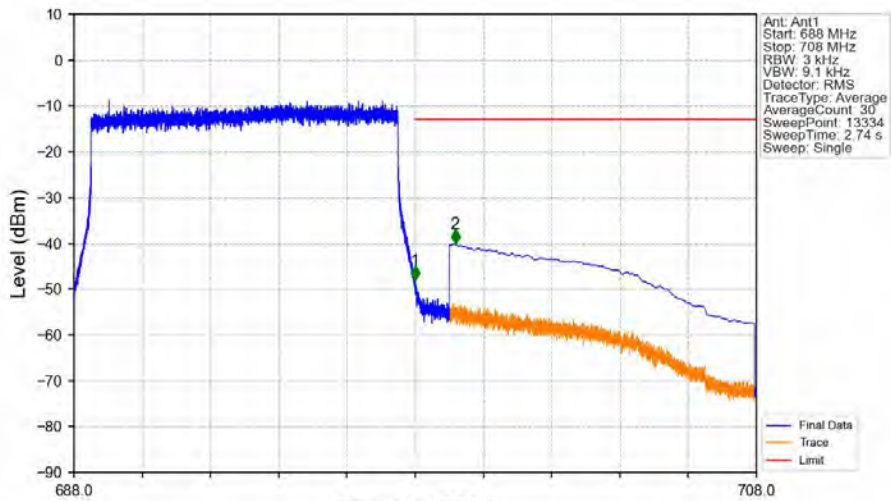


Marker	Freq (MHz)	Level (dBm)
1	633.500	-41.36

Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

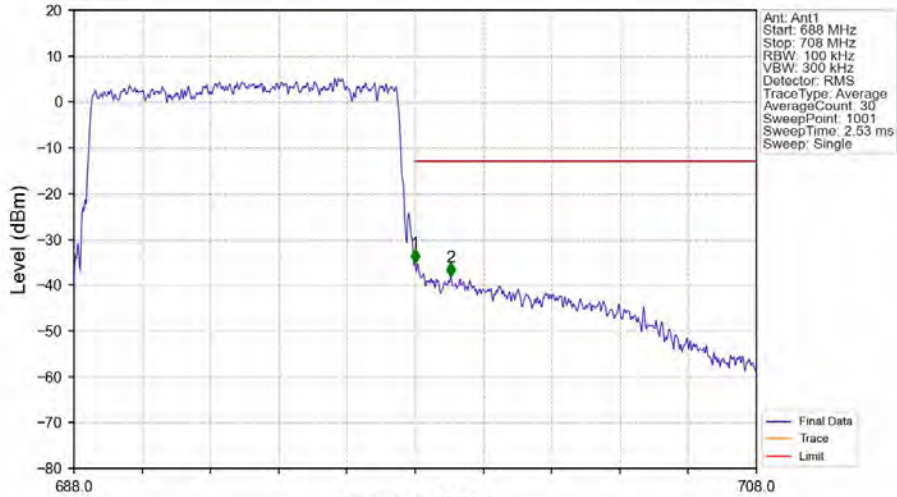


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



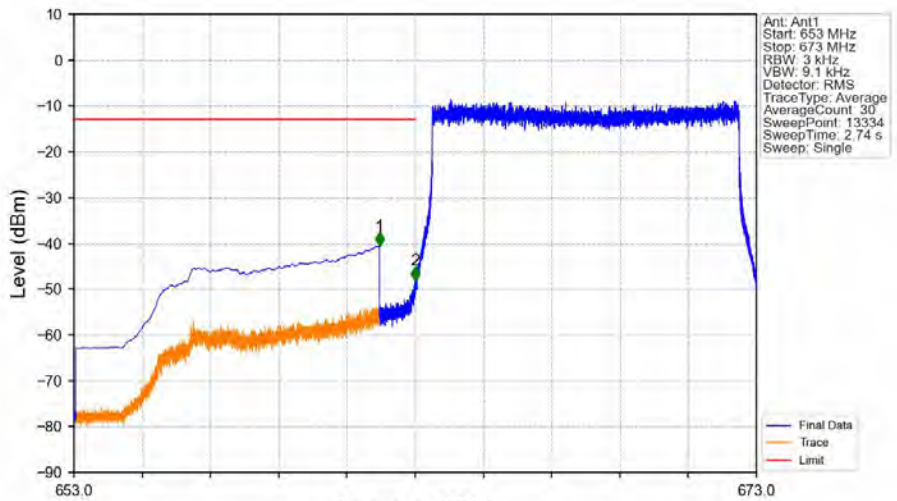
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	1	698.001	-48.05	-13	Pass
698	699	0.003	/	1	698.001	-48.05	-13	Pass
699	708	0.1	CHP	2	699.171	-40.06	-13	Pass

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



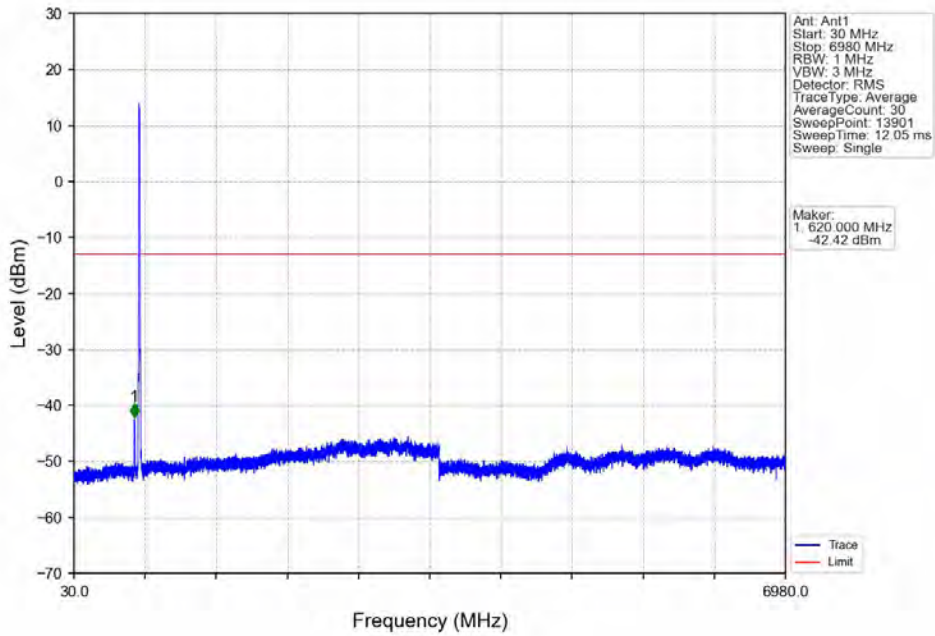
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.101	/	1	698.000	-35.23	-13	Pass
698	699	0.101	/	2	699.040	-38.14	-13	Pass

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

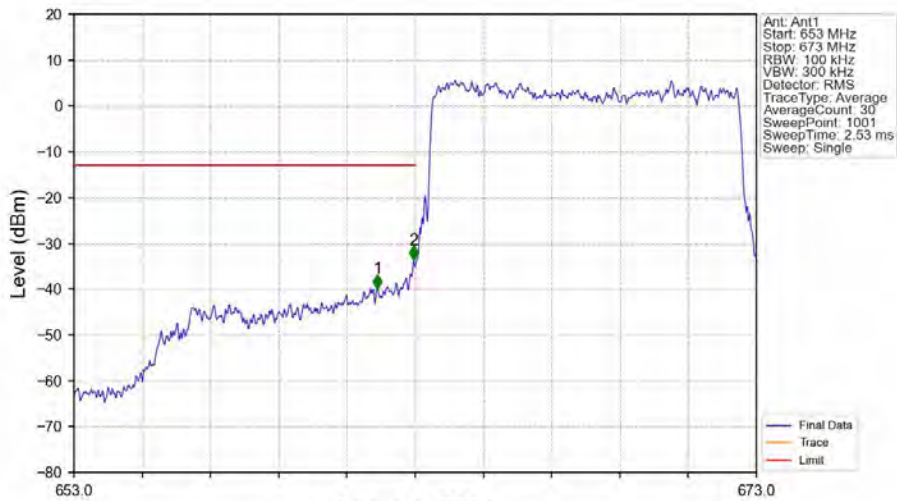


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.949	-40.60	-13	Pass
662	663	0.003	/	2	662.998	-48.11	-13	Pass

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

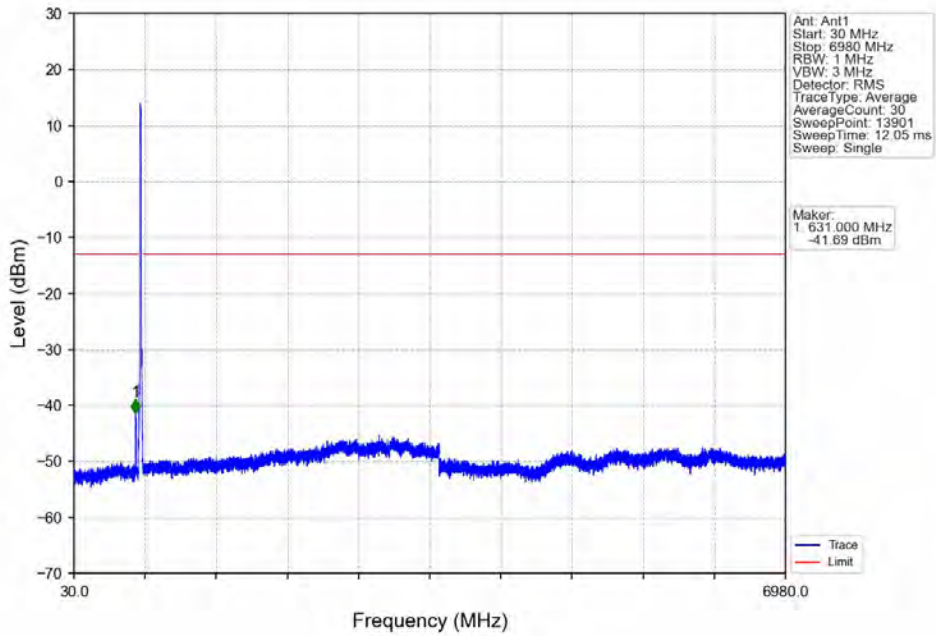


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

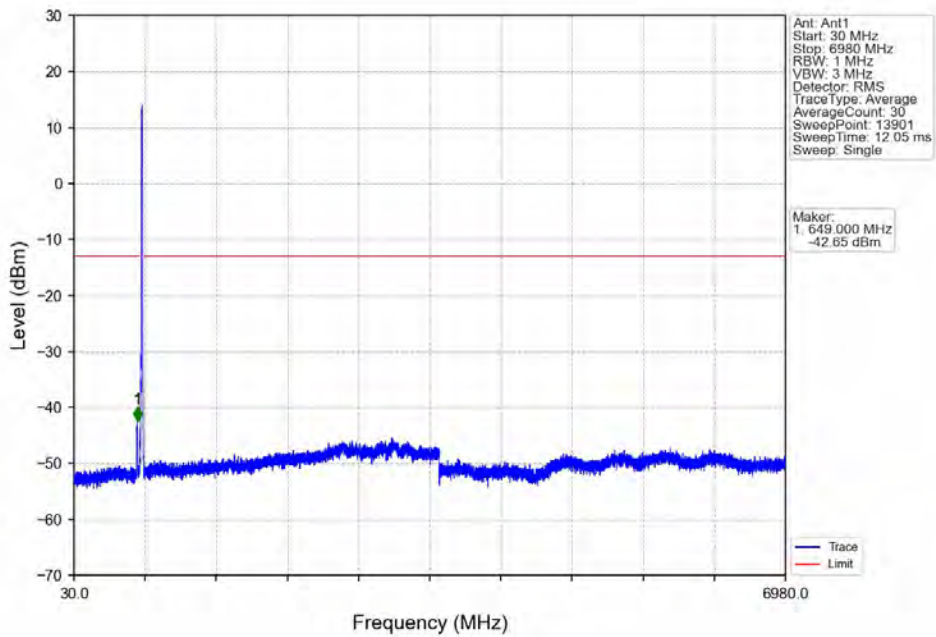


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.900	-39.89	-13	Pass
662	663	0.101	/	2	662.960	-33.61	-13	Pass
663	673	0.101	/	/	/	/	/	/

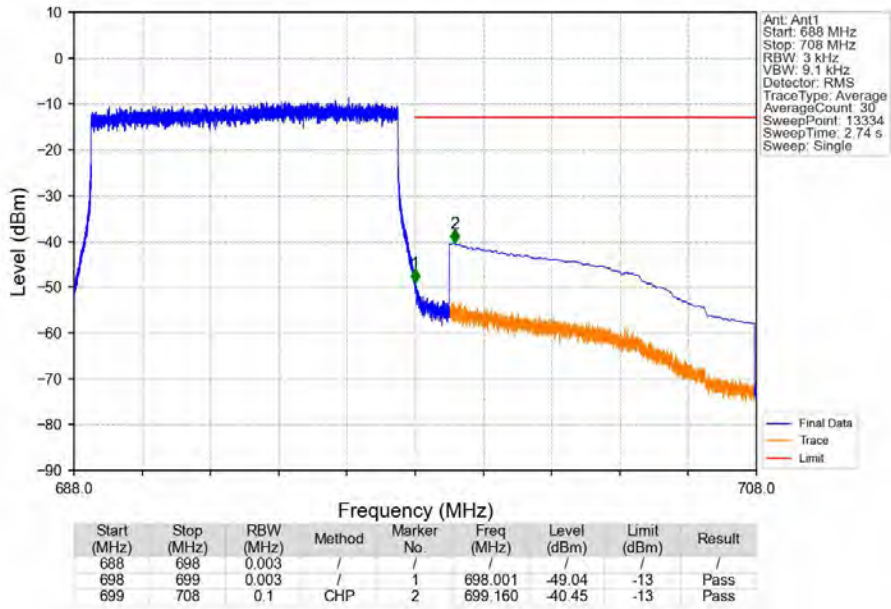
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



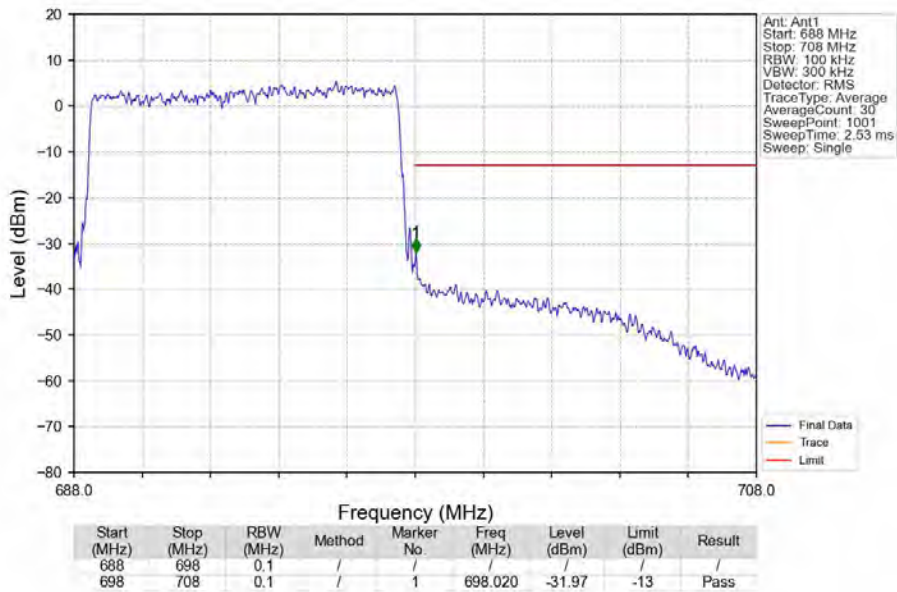
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTV

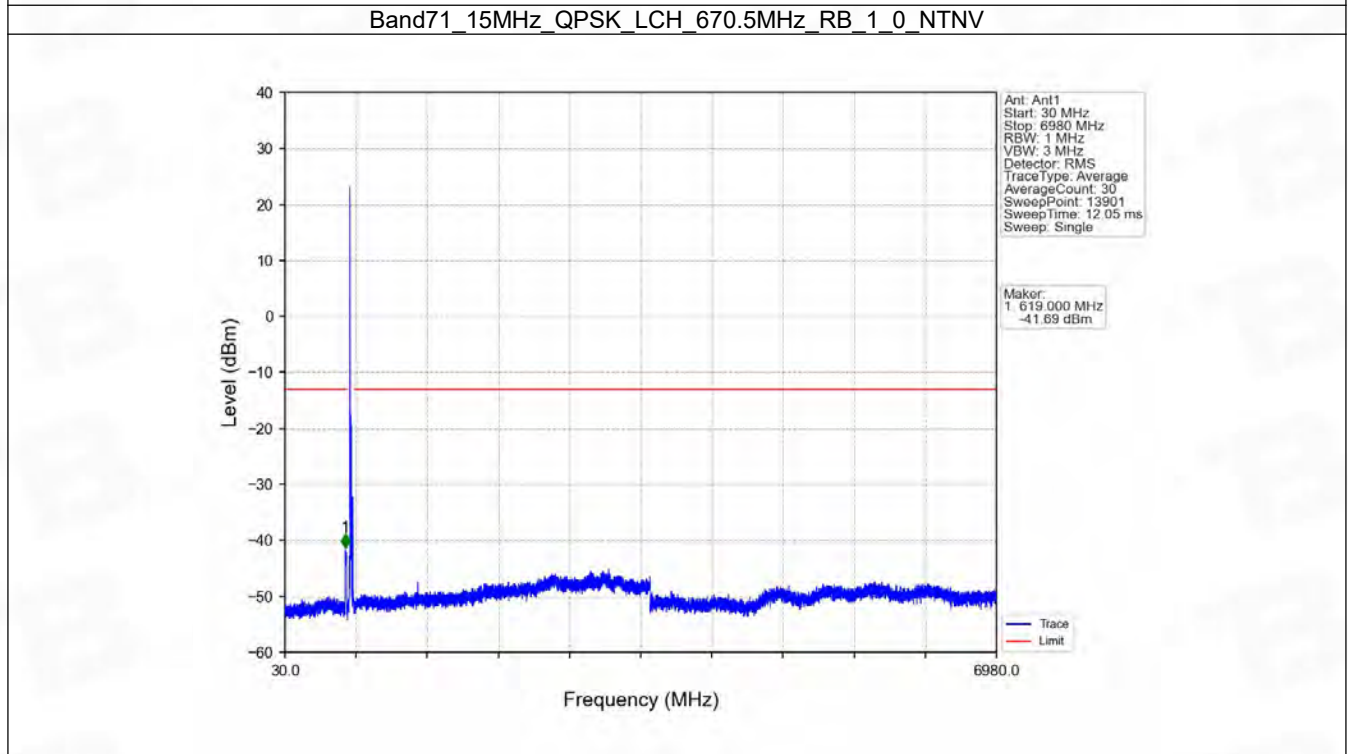
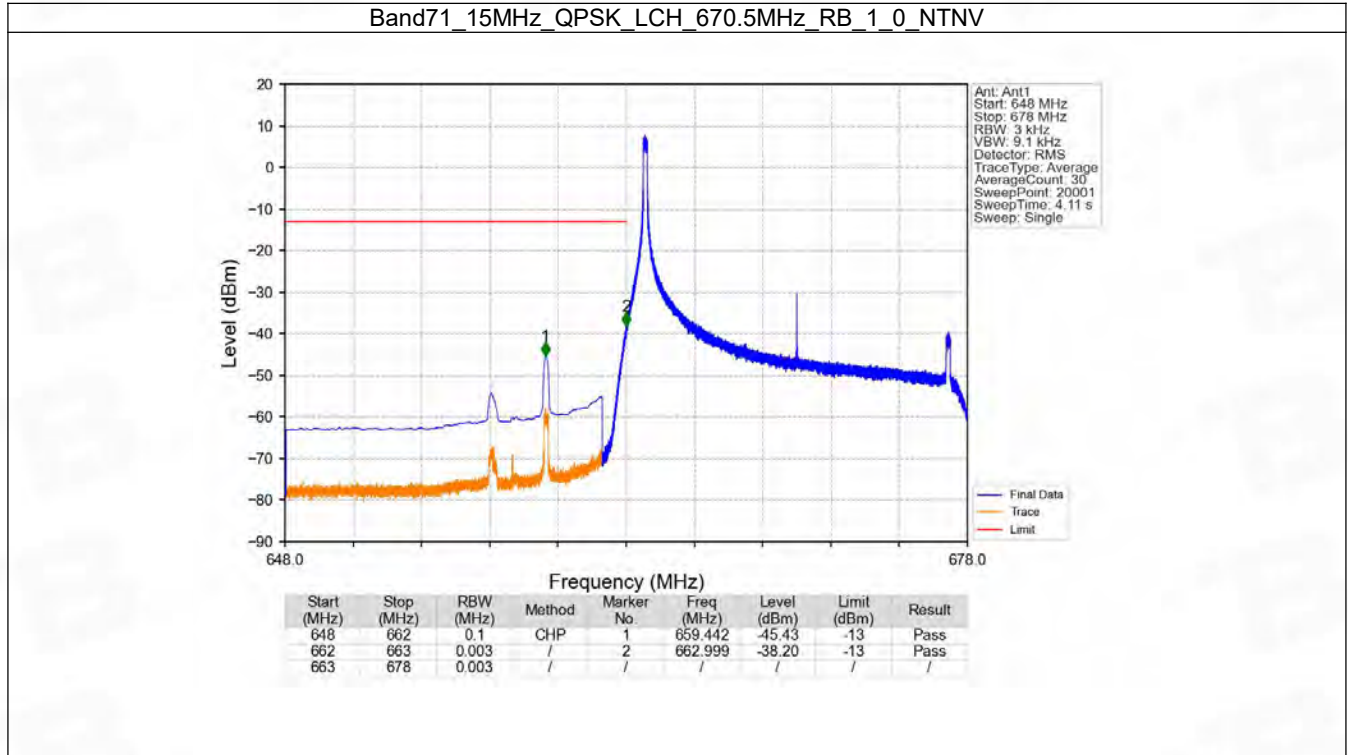


6.3 B71_15MHz

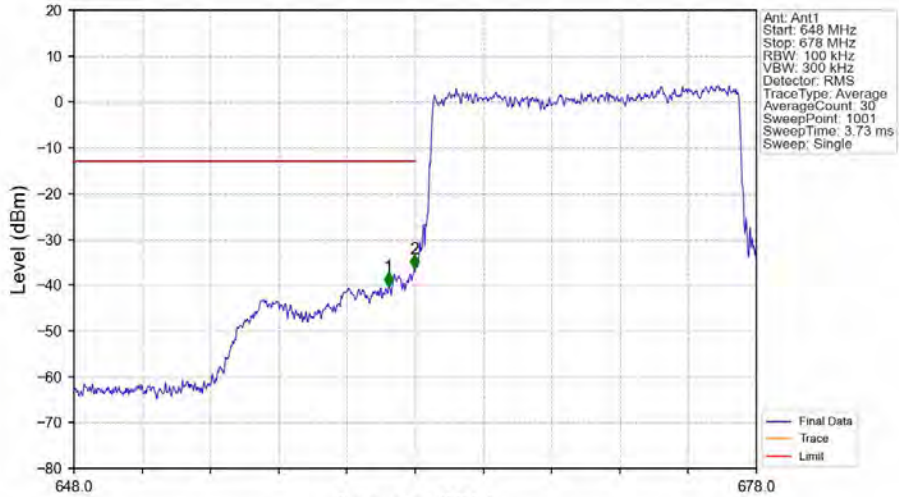
6.3.1 Test Result

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

6.3.2 Test Graph

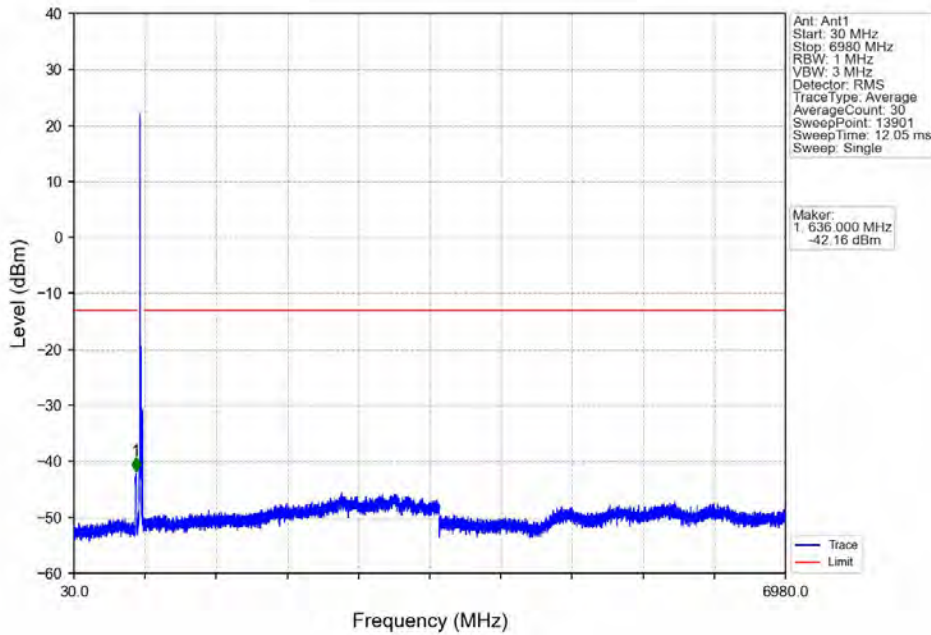


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.830	-40.31	-13	Pass
662	663	0.151	/	2	662.970	-36.46	-13	Pass
663	678	0.151	/	/	/	/	/	/

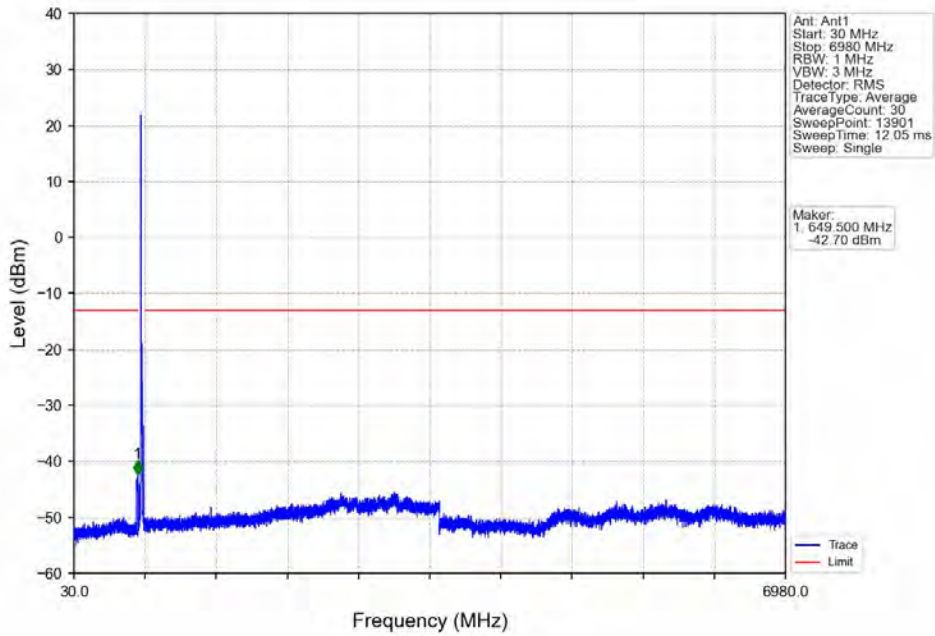
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



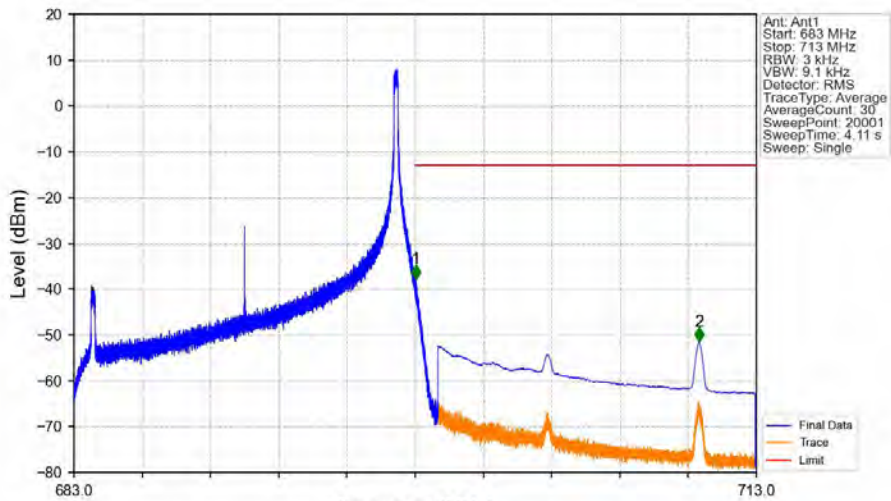
Ant: Ant1
 Start: 30 MHz
 Stop: 6980 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 TraceType: Average
 AverageCount: 30
 SweepPoint: 13901
 SweepTime: 12.05 ms
 Sweep: Single

Marker:
 1: 636.000 MHz
 -42.16 dBm

Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

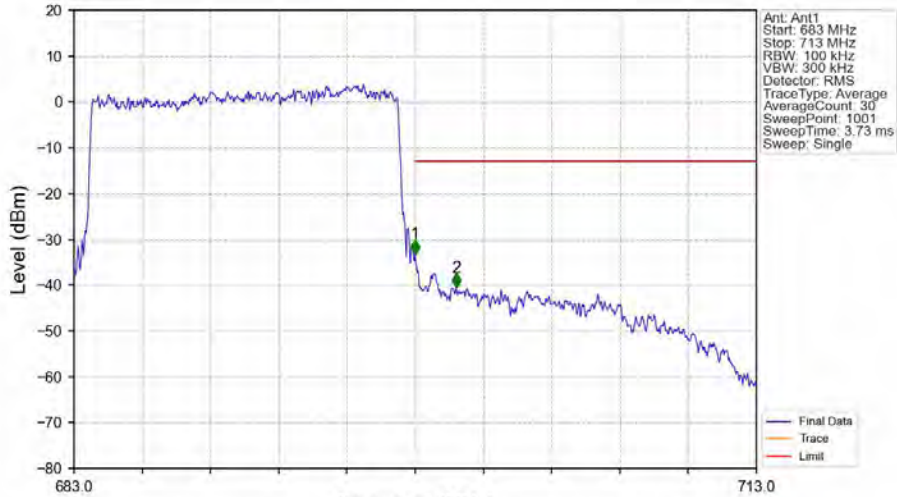


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



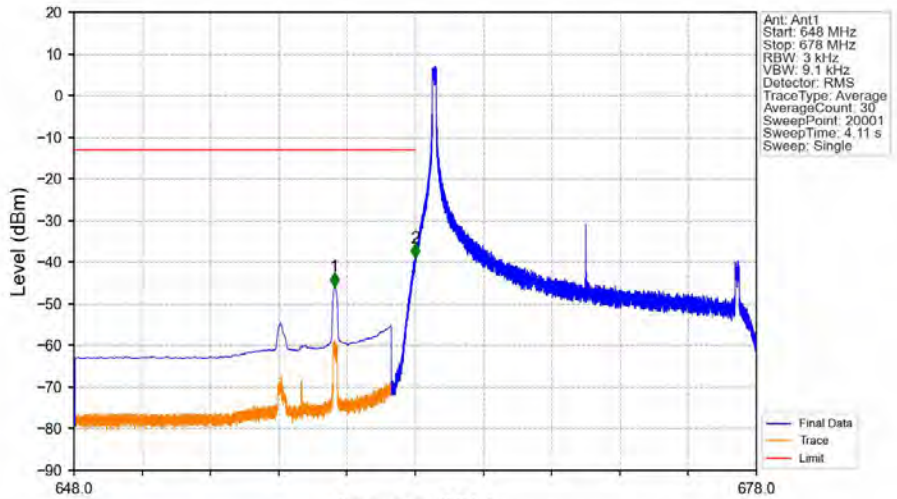
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.030	-37.78	-13	Pass
699	713	0.1	CHP	2	710.472	-51.50	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



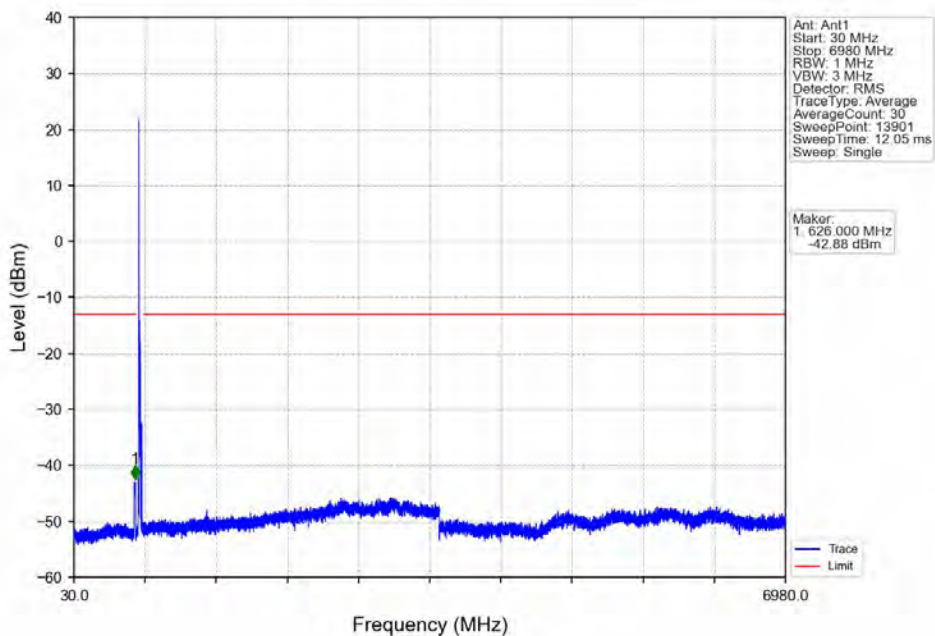
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.151	/	/	/	/	/	/
698	699	0.151	/	1	698.000	-33.20	-13	Pass
699	713	0.1	/	2	699.800	-40.55	-13	Pass

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

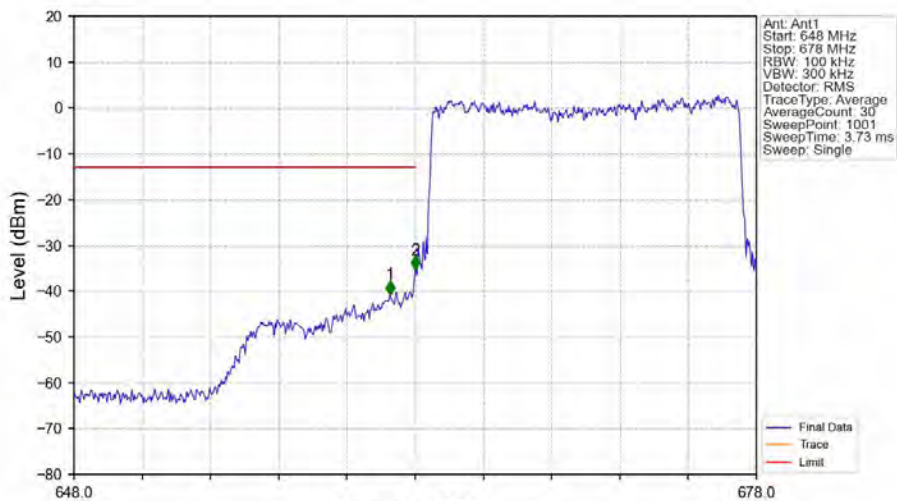


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	659.442	-45.86	-13	Pass
662	663	0.003	/	2	663.000	-39.01	-13	Pass
663	678	0.003	/	/	/	/	/	/

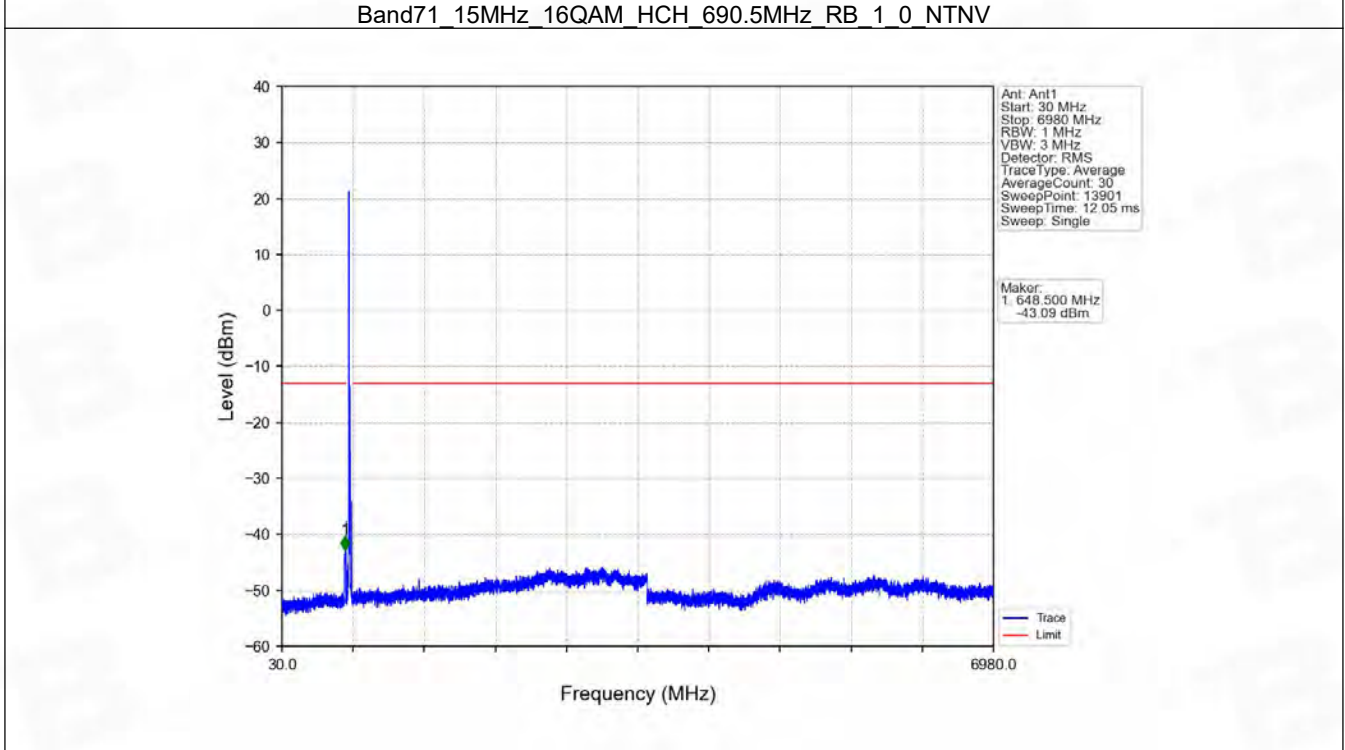
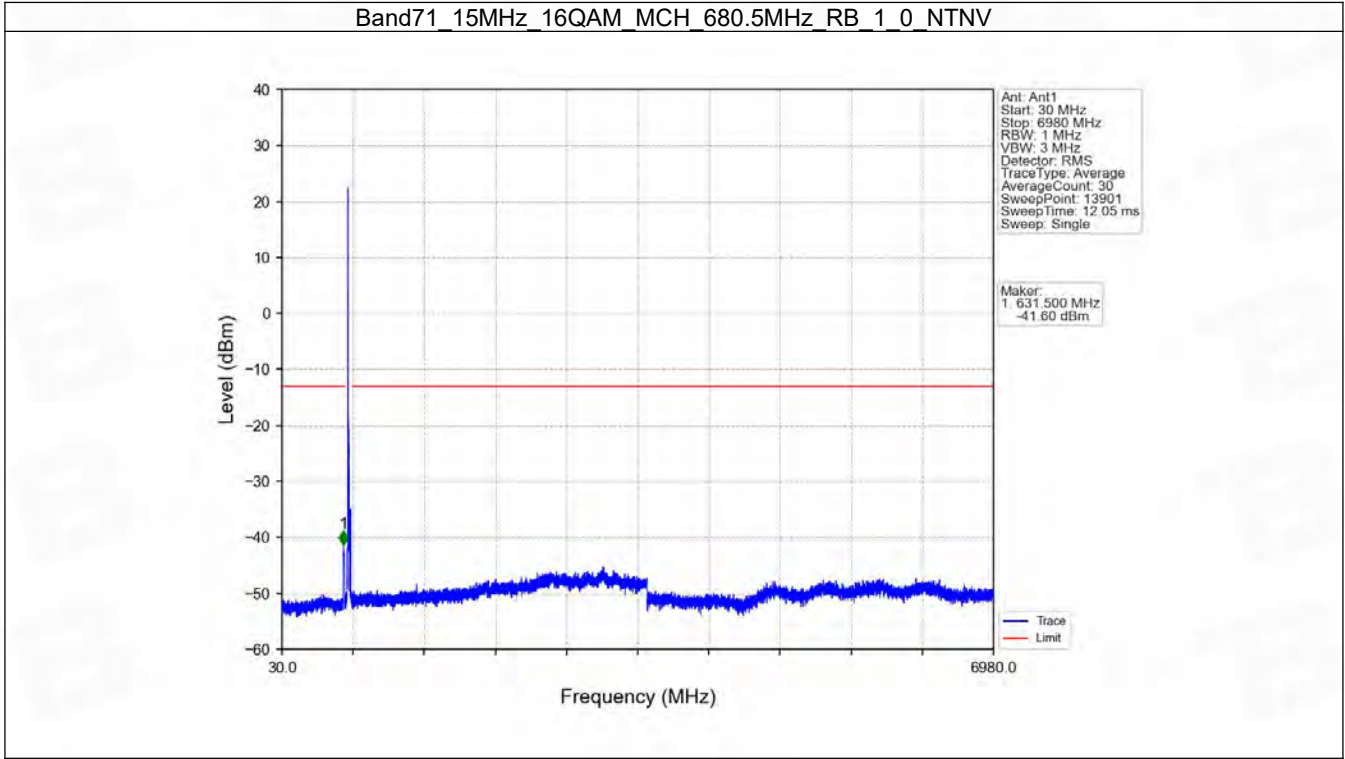
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



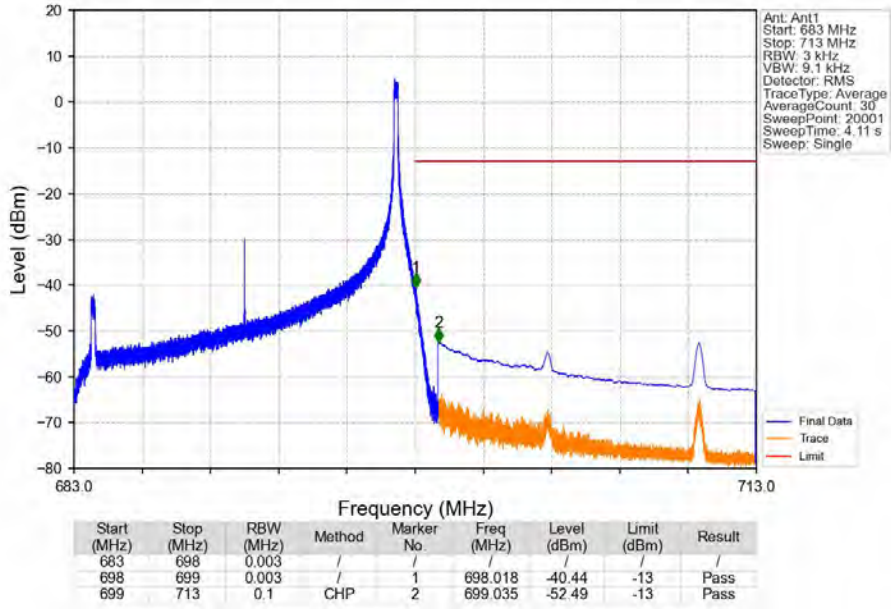
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



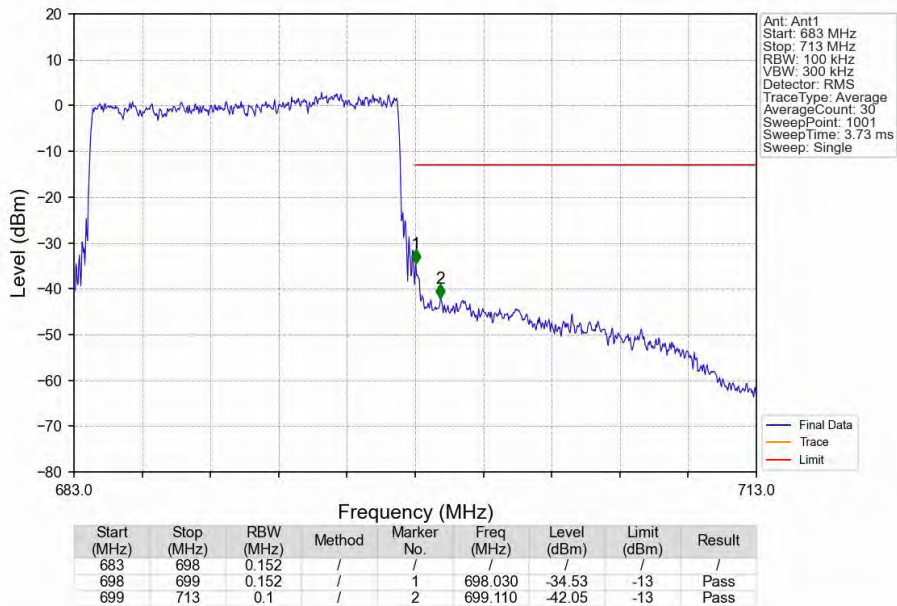
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.890	-40.79	-13	Pass
662	663	0.152	/	2	663.000	-35.44	-13	Pass
663	678	0.152	/	/	/	/	/	/



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

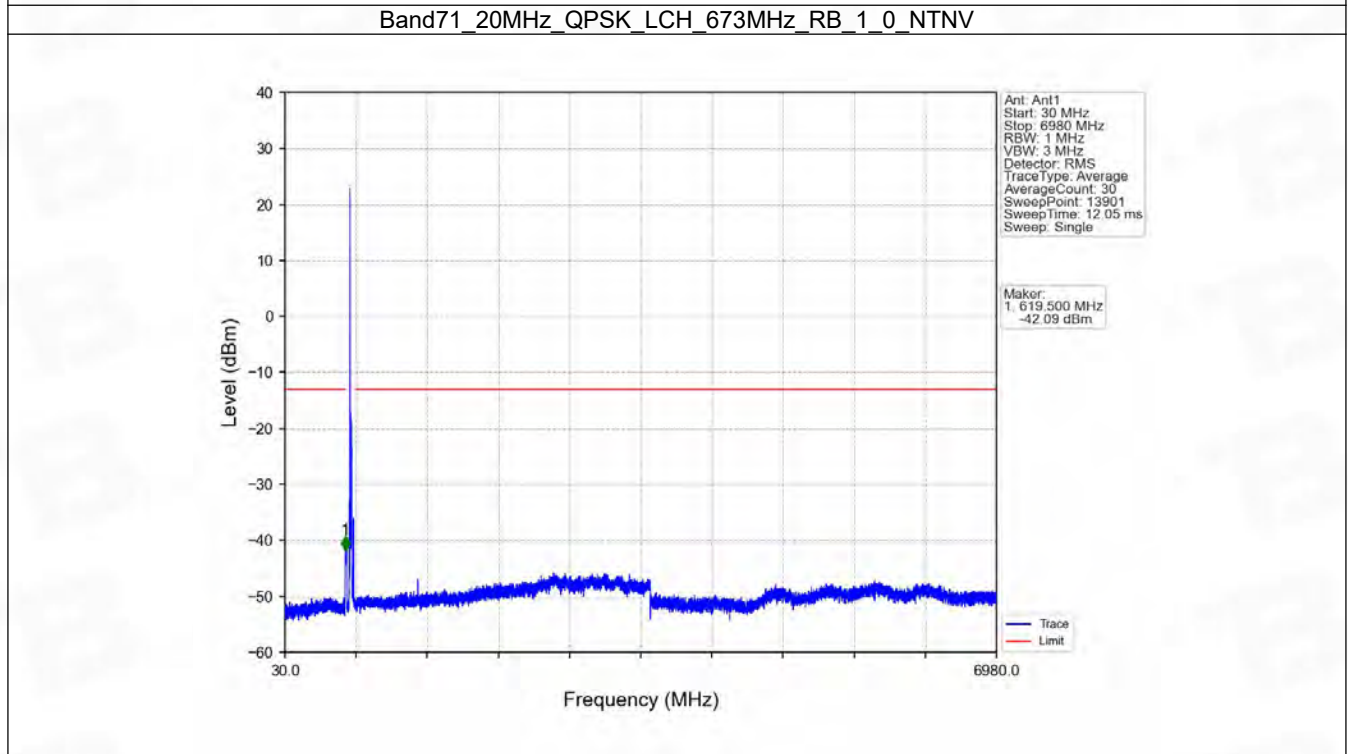
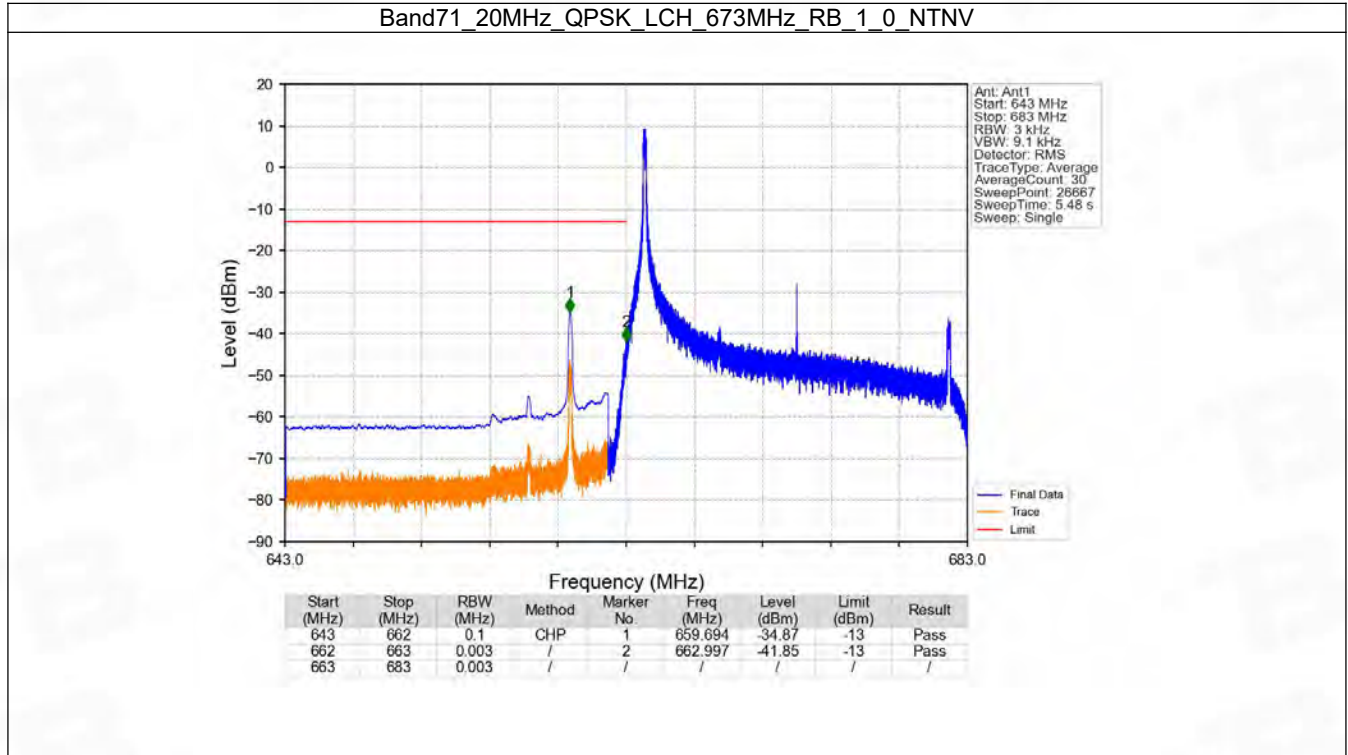


6.4 B71_20MHz

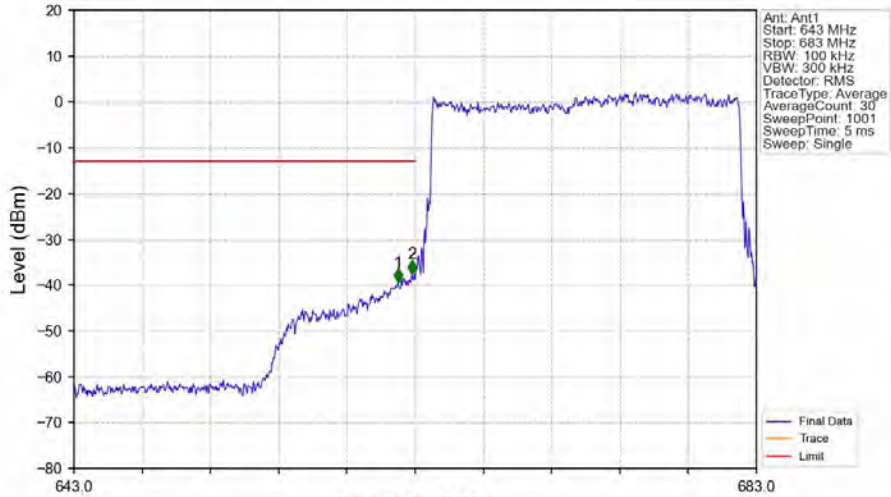
6.4.1 Test Result

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

6.4.2 Test Graph

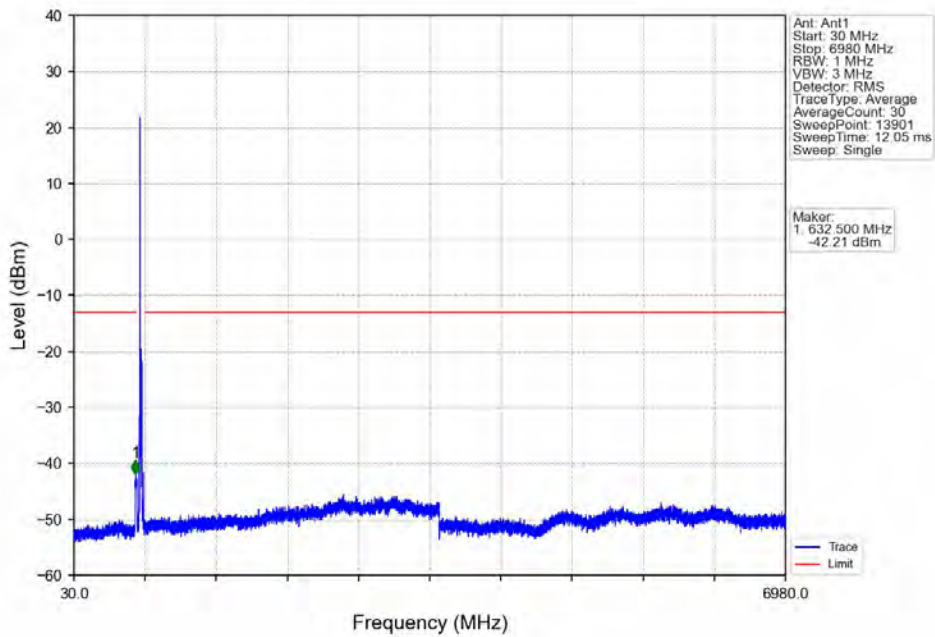


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-39.51	-13	Pass
662	663	0.199	/	2	662.800	-37.61	-13	Pass
663	683	0.199	/	/	/	/	/	/

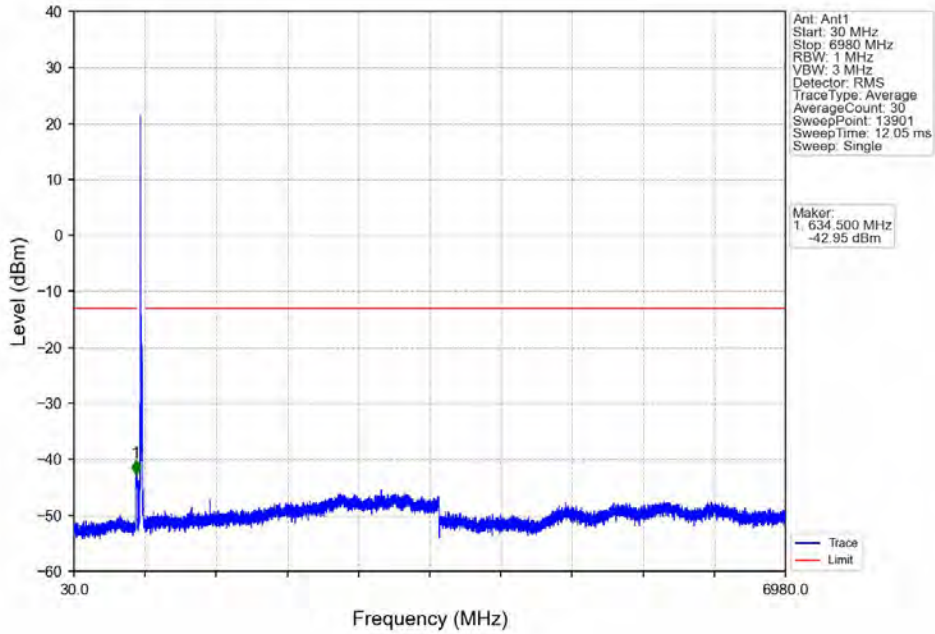
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



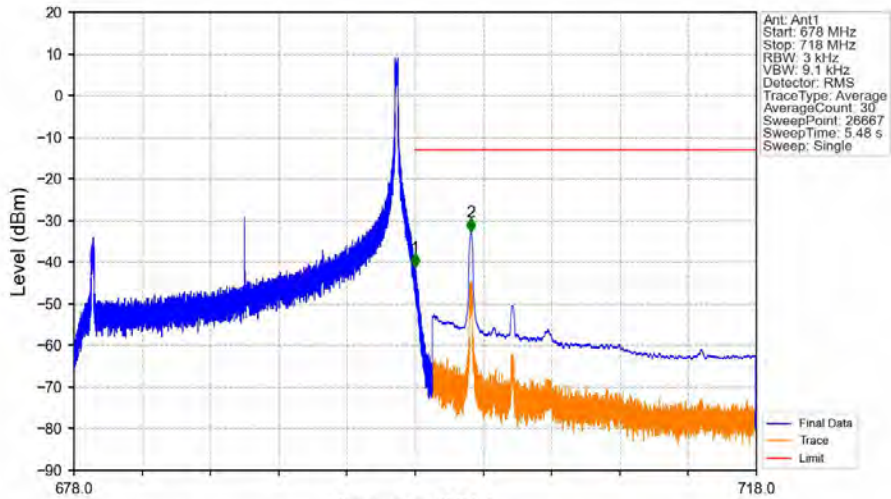
Ant: Ant1
 Start: 30 MHz
 Stop: 6980 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 TraceType: Average
 AverageCount: 30
 SweepPoint: 13901
 SweepTime: 12.05 ms
 Sweep: Single

Marker:
 1: 632.500 MHz
 -42.21 dBm

Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

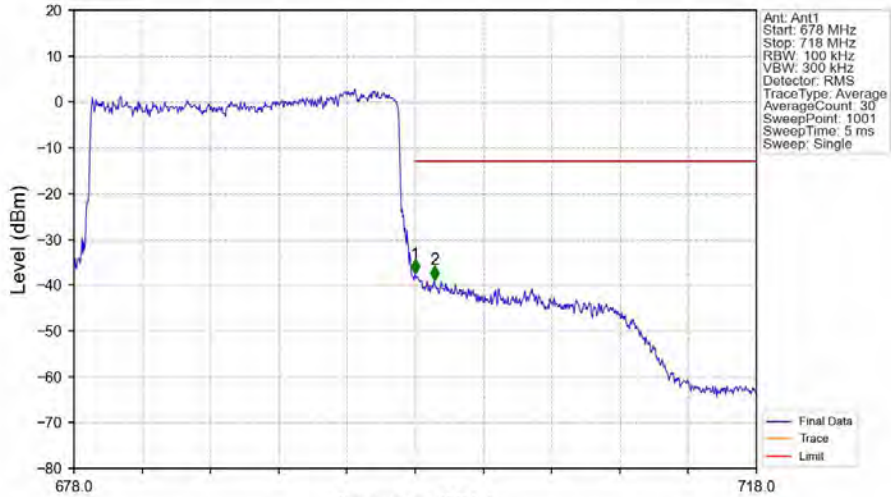


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



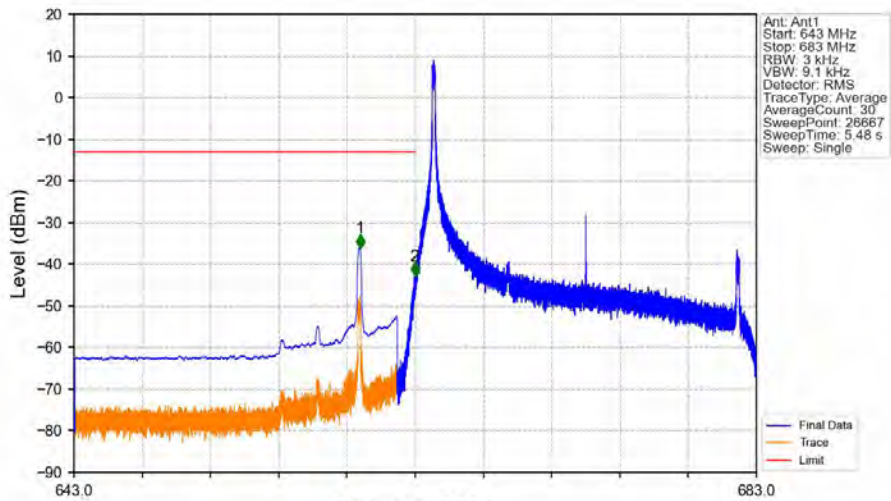
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	1	698.000	-41.30	-13	Pass
698	699	0.003	/	1	698.000	-41.30	-13	Pass
699	718	0.1	CHP	2	701.282	-32.79	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



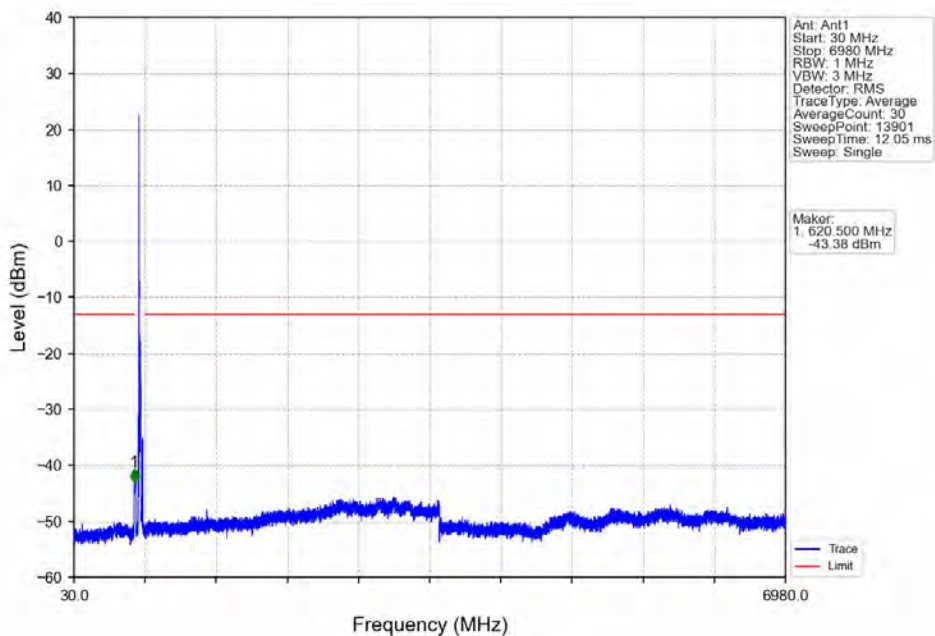
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.2	/	/	/	/	/	/
698	699	0.2	/	1	698.000	-37.47	-13	Pass
699	718	0.1	/	2	699.120	-38.83	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

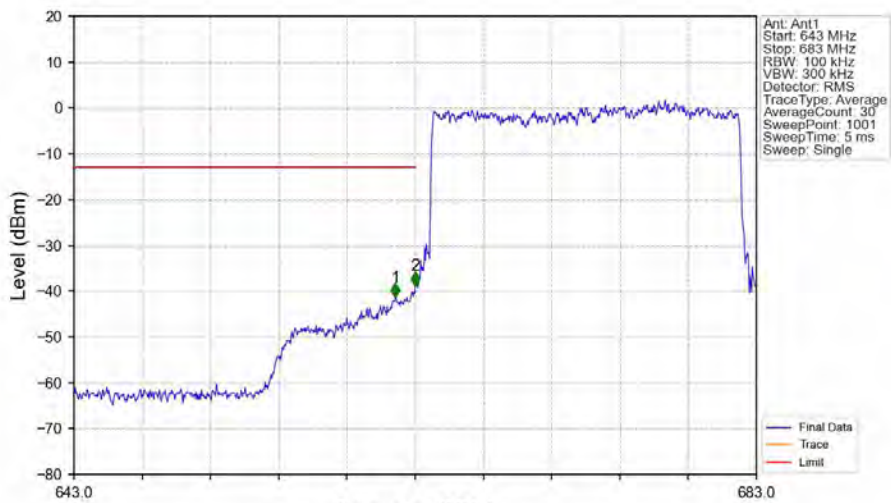


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	659.766	-36.18	-13	Pass
662	663	0.003	/	2	662.982	-42.82	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

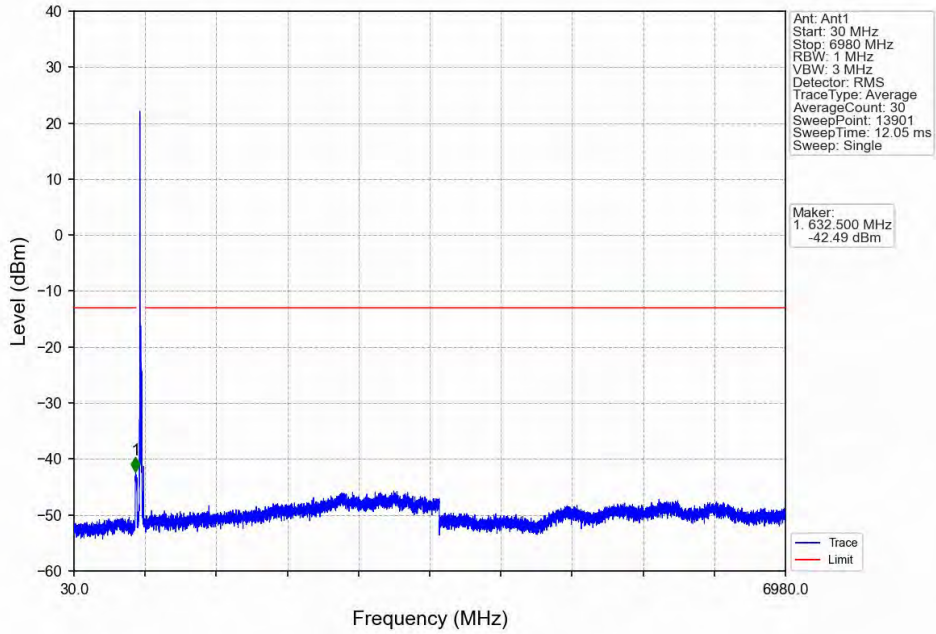


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

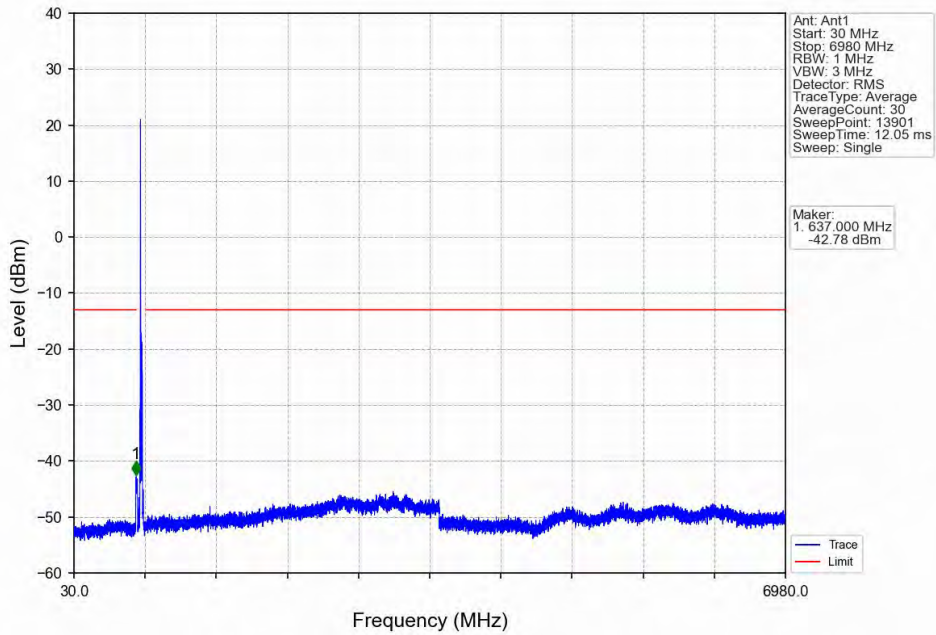


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.840	-41.42	-13	Pass
662	663	0.199	/	2	663.000	-38.85	-13	Pass
663	683	0.199	/	/	/	/	/	/

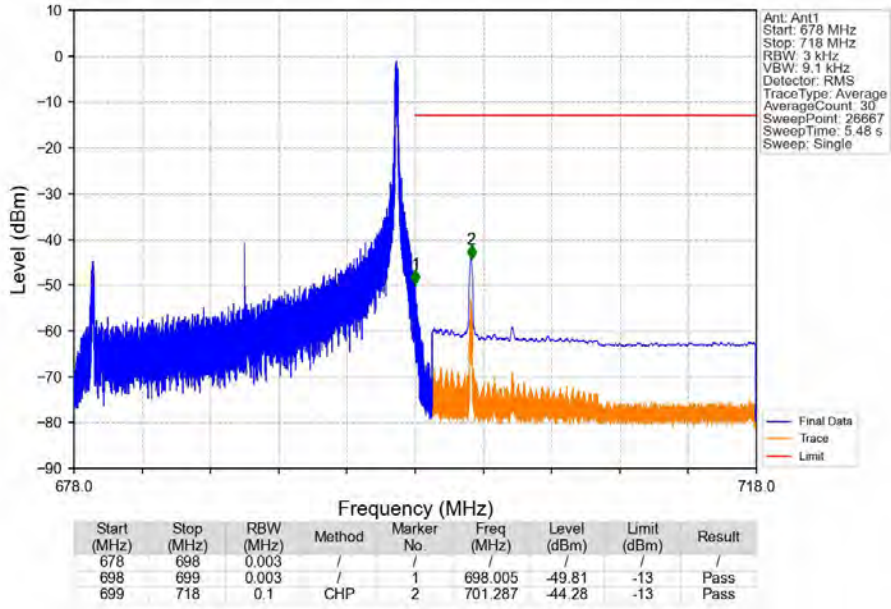
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



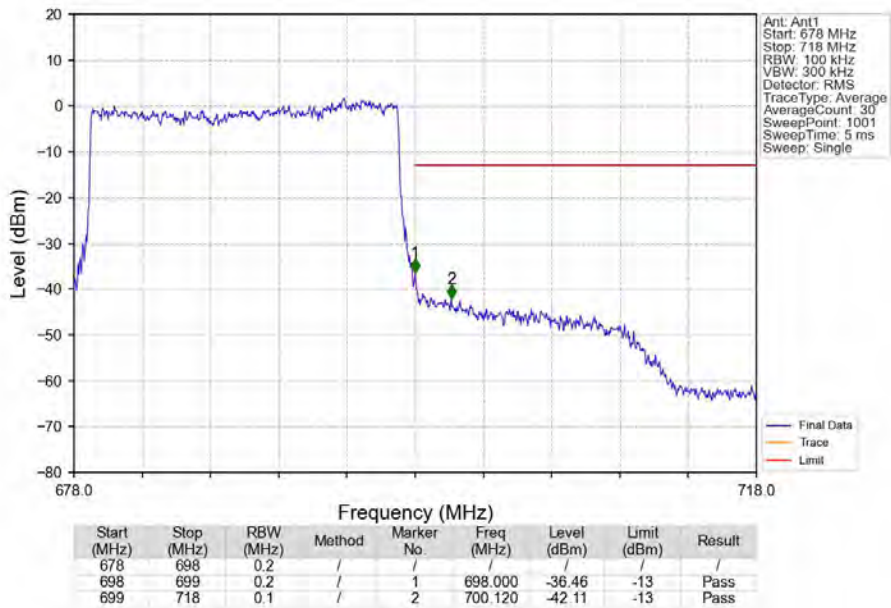
Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1435	0.0820	ppm	4M55G7D	27N	21.57
71	5	665.5	695.5	0.1374	0.0816	ppm	4M56W7D	27N	21.38
71	10	668	693	0.1500	0.0662	ppm	9M10G7D	27N	21.76
71	10	668	693	0.1300	0.0700	ppm	9M12W7D	27N	21.14
71	15	670.5	690.5	0.1521	0.0676	ppm	13M7G7D	27N	21.82
71	15	670.5	690.5	0.1531	0.0766	ppm	13M7W7D	27N	21.85
71	20	673	688	0.1521	0.0704	ppm	18M2G7D	27N	21.82
71	20	673	688	0.1352	0.0707	ppm	18M2W7D	27N	21.31

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.0638	0.0820	ppm	4M55G7D	27N	18.05
71	5	665.5	695.5	0.0611	0.0816	ppm	4M56W7D	27N	17.86
71	10	668	693	0.0667	0.0662	ppm	9M10G7D	27N	18.24
71	10	668	693	0.0578	0.0700	ppm	9M12W7D	27N	17.62
71	15	670.5	690.5	0.0676	0.0676	ppm	13M7G7D	27N	18.30
71	15	670.5	690.5	0.0681	0.0766	ppm	13M7W7D	27N	18.33
71	20	673	688	0.0676	0.0704	ppm	18M2G7D	27N	18.30
71	20	673	688	0.0601	0.0707	ppm	18M2W7D	27N	17.79