

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	665.5	1	0	21.98	-4.43	15.40	<=34.77	Pass		
			13	21.87	-4.43	15.29	<=34.77	Pass		
			24	21.93	-4.43	15.35	<=34.77	Pass		
		12	0	21.01	-4.43	14.43	<=34.77	Pass		
			6	20.94	-4.43	14.36	<=34.77	Pass		
			13	20.94	-4.43	14.36	<=34.77	Pass		
		25	0	20.91	-4.43	14.33	<=34.77	Pass		
		680.5	1	0	21.73	-4.43	15.15	<=34.77	Pass	
				13	21.70	-4.43	15.12	<=34.77	Pass	
	24			21.75	-4.43	15.17	<=34.77	Pass		
	12		0	20.87	-4.43	14.29	<=34.77	Pass		
			6	20.86	-4.43	14.28	<=34.77	Pass		
			13	20.96	-4.43	14.38	<=34.77	Pass		
	25	0	20.86	-4.43	14.28	<=34.77	Pass			
	695.5	1	0	21.89	-4.43	15.31	<=34.77	Pass		
			13	21.71	-4.43	15.13	<=34.77	Pass		
			24	21.71	-4.43	15.13	<=34.77	Pass		
		12	0	20.87	-4.43	14.29	<=34.77	Pass		
			6	20.92	-4.43	14.34	<=34.77	Pass		
			13	20.77	-4.43	14.19	<=34.77	Pass		
		25	0	20.95	-4.43	14.37	<=34.77	Pass		
		16QAM	665.5	1	0	21.46	-4.43	14.88	<=34.77	Pass
					13	21.47	-4.43	14.89	<=34.77	Pass
	24				21.49	-4.43	14.91	<=34.77	Pass	
12	0			19.79	-4.43	13.21	<=34.77	Pass		
	6			19.81	-4.43	13.23	<=34.77	Pass		
	13			19.84	-4.43	13.26	<=34.77	Pass		
25	0			19.75	-4.43	13.17	<=34.77	Pass		
680.5	1		0	21.02	-4.43	14.44	<=34.77	Pass		
			13	20.94	-4.43	14.36	<=34.77	Pass		
			24	20.93	-4.43	14.35	<=34.77	Pass		
	12		0	19.80	-4.43	13.22	<=34.77	Pass		
			6	19.77	-4.43	13.19	<=34.77	Pass		
			13	19.79	-4.43	13.21	<=34.77	Pass		
25	0		19.90	-4.43	13.32	<=34.77	Pass			
695.5	1		0	21.26	-4.43	14.68	<=34.77	Pass		
			13	21.30	-4.43	14.72	<=34.77	Pass		
			24	21.19	-4.43	14.61	<=34.77	Pass		
	12		0	20.06	-4.43	13.48	<=34.77	Pass		
		6	20.12	-4.43	13.54	<=34.77	Pass			
		13	20.12	-4.43	13.54	<=34.77	Pass			
25	0	20.06	-4.43	13.48	<=34.77	Pass				
Note1: ERP=Conducted Power+Antenna Gain-2.15										

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	21.86	-4.43	15.28	<=34.77	Pass
			25	21.89	-4.43	15.31	<=34.77	Pass
			49	21.89	-4.43	15.31	<=34.77	Pass
		25	0	20.77	-4.43	14.19	<=34.77	Pass
			13	20.92	-4.43	14.34	<=34.77	Pass
			25	20.85	-4.43	14.27	<=34.77	Pass
		50	0	20.88	-4.43	14.30	<=34.77	Pass
	680.5	1	0	21.91	-4.43	15.33	<=34.77	Pass
			25	21.75	-4.43	15.17	<=34.77	Pass
			49	21.86	-4.43	15.28	<=34.77	Pass
		25	0	20.87	-4.43	14.29	<=34.77	Pass
			13	20.75	-4.43	14.17	<=34.77	Pass
			25	20.84	-4.43	14.26	<=34.77	Pass
		50	0	20.86	-4.43	14.28	<=34.77	Pass
	693	1	0	21.80	-4.43	15.22	<=34.77	Pass
			25	21.86	-4.43	15.28	<=34.77	Pass
			49	21.88	-4.43	15.30	<=34.77	Pass
		25	0	20.91	-4.43	14.33	<=34.77	Pass
			13	20.93	-4.43	14.35	<=34.77	Pass
			25	20.90	-4.43	14.32	<=34.77	Pass
		50	0	20.92	-4.43	14.34	<=34.77	Pass
16QAM	668	1	0	21.24	-4.43	14.66	<=34.77	Pass
			25	21.11	-4.43	14.53	<=34.77	Pass
			49	21.10	-4.43	14.52	<=34.77	Pass
		25	0	19.78	-4.43	13.20	<=34.77	Pass
			13	19.94	-4.43	13.36	<=34.77	Pass
			25	19.94	-4.43	13.36	<=34.77	Pass
		50	0	19.98	-4.43	13.40	<=34.77	Pass
	680.5	1	0	21.23	-4.43	14.65	<=34.77	Pass
			25	21.23	-4.43	14.65	<=34.77	Pass
			49	21.45	-4.43	14.87	<=34.77	Pass
		25	0	19.94	-4.43	13.36	<=34.77	Pass
			13	19.92	-4.43	13.34	<=34.77	Pass
			25	19.97	-4.43	13.39	<=34.77	Pass
		50	0	19.86	-4.43	13.28	<=34.77	Pass
	693	1	0	21.38	-4.43	14.80	<=34.77	Pass
			25	21.37	-4.43	14.79	<=34.77	Pass
			49	21.25	-4.43	14.67	<=34.77	Pass
		25	0	20.50	-4.43	13.92	<=34.77	Pass
			13	20.57	-4.43	13.99	<=34.77	Pass
			25	20.02	-4.43	13.44	<=34.77	Pass
		50	0	20.47	-4.43	13.89	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B71_15MHz_ERP

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	21.91	-4.43	15.33	<=34.77	Pass
			38	21.76	-4.43	15.18	<=34.77	Pass
			74	21.83	-4.43	15.25	<=34.77	Pass
		36	0	20.81	-4.43	14.23	<=34.77	Pass
			18	20.77	-4.43	14.19	<=34.77	Pass
			39	20.96	-4.43	14.38	<=34.77	Pass

16QAM	680.5	75	0	20.72	-4.43	14.14	<=34.77	Pass
		1	0	21.89	-4.43	15.31	<=34.77	Pass
			38	21.78	-4.43	15.20	<=34.77	Pass
			74	21.90	-4.43	15.32	<=34.77	Pass
		36	0	20.86	-4.43	14.28	<=34.77	Pass
			18	20.73	-4.43	14.15	<=34.77	Pass
			39	20.83	-4.43	14.25	<=34.77	Pass
		75	0	20.83	-4.43	14.25	<=34.77	Pass
	690.5	1	0	21.91	-4.43	15.33	<=34.77	Pass
			38	21.93	-4.43	15.35	<=34.77	Pass
			74	21.85	-4.43	15.27	<=34.77	Pass
		36	0	20.98	-4.43	14.40	<=34.77	Pass
			18	20.96	-4.43	14.38	<=34.77	Pass
			39	20.90	-4.43	14.32	<=34.77	Pass
		75	0	20.95	-4.43	14.37	<=34.77	Pass
	670.5	1	0	21.06	-4.43	14.48	<=34.77	Pass
			38	21.04	-4.43	14.46	<=34.77	Pass
			74	21.08	-4.43	14.50	<=34.77	Pass
		36	0	19.86	-4.43	13.28	<=34.77	Pass
			18	19.76	-4.43	13.18	<=34.77	Pass
			39	20.03	-4.43	13.45	<=34.77	Pass
		75	0	19.90	-4.43	13.32	<=34.77	Pass
	680.5	1	0	21.63	-4.43	15.05	<=34.77	Pass
			38	21.71	-4.43	15.13	<=34.77	Pass
			74	21.81	-4.43	15.23	<=34.77	Pass
		36	0	19.88	-4.43	13.30	<=34.77	Pass
			18	19.80	-4.43	13.22	<=34.77	Pass
			39	19.87	-4.43	13.29	<=34.77	Pass
		75	0	19.87	-4.43	13.29	<=34.77	Pass
	690.5	1	0	22.01	-4.43	15.43	<=34.77	Pass
			38	22.05	-4.43	15.47	<=34.77	Pass
			74	22.01	-4.43	15.43	<=34.77	Pass
		36	0	19.88	-4.43	13.30	<=34.77	Pass
			18	20.37	-4.43	13.79	<=34.77	Pass
			39	19.90	-4.43	13.32	<=34.77	Pass
		75	0	20.38	-4.43	13.80	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	21.84	-4.43	15.26	<=34.77	Pass
			50	21.75	-4.43	15.17	<=34.77	Pass
			99	21.88	-4.43	15.30	<=34.77	Pass
		50	0	20.75	-4.43	14.17	<=34.77	Pass
			25	20.80	-4.43	14.22	<=34.77	Pass
			50	20.97	-4.43	14.39	<=34.77	Pass
		100	0	20.85	-4.43	14.27	<=34.77	Pass
	683	1	0	21.80	-4.43	15.22	<=34.77	Pass
			50	21.68	-4.43	15.10	<=34.77	Pass
			99	21.86	-4.43	15.28	<=34.77	Pass
		50	0	20.90	-4.43	14.32	<=34.77	Pass
			25	20.94	-4.43	14.36	<=34.77	Pass
			50	21.07	-4.43	14.49	<=34.77	Pass
		100	0	20.80	-4.43	14.22	<=34.77	Pass

16QAM	688	1	0	21.84	-4.43	15.26	<=34.77	Pass
			50	21.84	-4.43	15.26	<=34.77	Pass
			99	21.89	-4.43	15.31	<=34.77	Pass
		50	0	20.80	-4.43	14.22	<=34.77	Pass
			25	20.93	-4.43	14.35	<=34.77	Pass
			50	20.83	-4.43	14.25	<=34.77	Pass
		100	0	20.98	-4.43	14.40	<=34.77	Pass
			0	21.73	-4.43	15.15	<=34.77	Pass
			50	21.74	-4.43	15.16	<=34.77	Pass
	673	1	99	21.79	-4.43	15.21	<=34.77	Pass
			0	20.00	-4.43	13.42	<=34.77	Pass
			25	19.85	-4.43	13.27	<=34.77	Pass
		50	50	19.91	-4.43	13.33	<=34.77	Pass
			0	19.71	-4.43	13.13	<=34.77	Pass
			0	21.19	-4.43	14.61	<=34.77	Pass
		1	50	20.90	-4.43	14.32	<=34.77	Pass
			99	21.06	-4.43	14.48	<=34.77	Pass
			0	19.98	-4.43	13.40	<=34.77	Pass
	683	50	25	19.90	-4.43	13.32	<=34.77	Pass
			50	20.01	-4.43	13.43	<=34.77	Pass
			0	19.82	-4.43	13.24	<=34.77	Pass
		100	0	21.64	-4.43	15.06	<=34.77	Pass
			50	21.60	-4.43	15.02	<=34.77	Pass
			99	21.71	-4.43	15.13	<=34.77	Pass
		1	0	19.89	-4.43	13.31	<=34.77	Pass
			25	19.97	-4.43	13.39	<=34.77	Pass
			50	20.43	-4.43	13.85	<=34.77	Pass
		50	0	20.08	-4.43	13.50	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B71_5MHz

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	9.813	0.0147	-2.5 to 2.5	Pass
					3.85	15.035	0.0226	-2.5 to 2.5	Pass
					4.43	16.694	0.0251	-2.5 to 2.5	Pass
				-30	3.85	16.723	0.0251	-2.5 to 2.5	Pass
				-20	3.85	14.949	0.0225	-2.5 to 2.5	Pass
				-10	3.85	13.604	0.0204	-2.5 to 2.5	Pass
				0	3.85	14.577	0.0219	-2.5 to 2.5	Pass
				10	3.85	13.719	0.0206	-2.5 to 2.5	Pass
				30	3.85	13.833	0.0208	-2.5 to 2.5	Pass
				40	3.85	16.122	0.0242	-2.5 to 2.5	Pass
				50	3.85	19.355	0.0291	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	20.585	0.0302	-2.5 to 2.5	Pass
					3.85	27.523	0.0404	-2.5 to 2.5	Pass
					4.43	30.627	0.0450	-2.5 to 2.5	Pass
				-30	3.85	33.431	0.0491	-2.5 to 2.5	Pass
				-20	3.85	36.378	0.0535	-2.5 to 2.5	Pass
				-10	3.85	40.112	0.0589	-2.5 to 2.5	Pass

				0	3.85	46.763	0.0687	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				30	3.85	4.377	0.0064	-2.5 to 2.5	Pass
				40	3.85	5.293	0.0078	-2.5 to 2.5	Pass
				50	3.85	10.586	0.0156	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	4.706	0.0068	-2.5 to 2.5	Pass
					3.85	-6.838	-0.0098	-2.5 to 2.5	Pass
					4.43	-18.339	-0.0264	-2.5 to 2.5	Pass
				-30	3.85	-29.554	-0.0425	-2.5 to 2.5	Pass
				-20	3.85	-40.226	-0.0578	-2.5 to 2.5	Pass
				-10	3.85	-47.364	-0.0681	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-10.629	-0.0153	-2.5 to 2.5	Pass
				30	3.85	-16.065	-0.0231	-2.5 to 2.5	Pass
				40	3.85	-19.712	-0.0283	-2.5 to 2.5	Pass
				50	3.85	-23.103	-0.0332	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	21.915	0.0329	-2.5 to 2.5	Pass
					3.85	27.351	0.0411	-2.5 to 2.5	Pass
					4.43	34.475	0.0518	-2.5 to 2.5	Pass
				-30	3.85	39.082	0.0587	-2.5 to 2.5	Pass
				-20	3.85	42.872	0.0644	-2.5 to 2.5	Pass
				-10	3.85	45.590	0.0685	-2.5 to 2.5	Pass
				0	3.85	49.624	0.0746	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0019	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0042	-2.5 to 2.5	Pass
				40	3.85	6.523	0.0098	-2.5 to 2.5	Pass
				50	3.85	11.444	0.0172	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	16.251	0.0239	-2.5 to 2.5	Pass
					3.85	24.877	0.0366	-2.5 to 2.5	Pass
					4.43	30.556	0.0449	-2.5 to 2.5	Pass
				-30	3.85	38.896	0.0572	-2.5 to 2.5	Pass
				-20	3.85	46.105	0.0678	-2.5 to 2.5	Pass
				-10	3.85	51.627	0.0759	-2.5 to 2.5	Pass
				0	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass
				10	3.85	1.030	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.819	0.0056	-2.5 to 2.5	Pass
				40	3.85	8.397	0.0123	-2.5 to 2.5	Pass
				50	3.85	12.188	0.0179	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-25.492	-0.0367	-2.5 to 2.5	Pass
					3.85	-21.014	-0.0302	-2.5 to 2.5	Pass
					4.43	-17.695	-0.0254	-2.5 to 2.5	Pass
				-30	3.85	-17.381	-0.0250	-2.5 to 2.5	Pass
				-20	3.85	-15.321	-0.0220	-2.5 to 2.5	Pass
				-10	3.85	-13.261	-0.0191	-2.5 to 2.5	Pass
				0	3.85	-14.205	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0110	-2.5 to 2.5	Pass
				30	3.85	-2.589	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0035	-2.5 to 2.5	Pass

2.1.2 B71_10MHz

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	-10.157	-0.0152	-2.5 to 2.5	Pass
					3.85	-44.246	-0.0662	-2.5 to 2.5	Pass

					4.43	-20.671	-0.0309	-2.5 to 2.5	Pass
				-30	3.85	-52.257	-0.0782	-2.5 to 2.5	Pass
				-20	3.85	-21.071	-0.0315	-2.5 to 2.5	Pass
				-10	3.85	-42.644	-0.0638	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-17.223	-0.0258	-2.5 to 2.5	Pass
				30	3.85	-27.080	-0.0405	-2.5 to 2.5	Pass
				40	3.85	-37.708	-0.0564	-2.5 to 2.5	Pass
				50	3.85	-28.968	-0.0434	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	17.323	0.0255	-2.5 to 2.5	Pass
					3.85	22.659	0.0333	-2.5 to 2.5	Pass
					4.43	22.917	0.0337	-2.5 to 2.5	Pass
				-30	3.85	21.372	0.0314	-2.5 to 2.5	Pass
				-20	3.85	23.961	0.0352	-2.5 to 2.5	Pass
				-10	3.85	23.232	0.0341	-2.5 to 2.5	Pass
				0	3.85	21.400	0.0314	-2.5 to 2.5	Pass
				10	3.85	19.870	0.0292	-2.5 to 2.5	Pass
				30	3.85	18.396	0.0270	-2.5 to 2.5	Pass
				40	3.85	14.706	0.0216	-2.5 to 2.5	Pass
				50	3.85	12.016	0.0177	-2.5 to 2.5	Pass
	693	50	0	20	3.27	1.702	0.0025	-2.5 to 2.5	Pass
					3.85	-7.253	-0.0105	-2.5 to 2.5	Pass
					4.43	-19.526	-0.0282	-2.5 to 2.5	Pass
				-30	3.85	-31.843	-0.0459	-2.5 to 2.5	Pass
				-20	3.85	-39.854	-0.0575	-2.5 to 2.5	Pass
				-10	3.85	-50.440	-0.0728	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-9.341	-0.0135	-2.5 to 2.5	Pass
				30	3.85	-20.299	-0.0293	-2.5 to 2.5	Pass
				40	3.85	-23.088	-0.0333	-2.5 to 2.5	Pass
				50	3.85	-27.895	-0.0403	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-7.410	-0.0111	-2.5 to 2.5	Pass
					3.85	-13.361	-0.0200	-2.5 to 2.5	Pass
					4.43	-11.902	-0.0178	-2.5 to 2.5	Pass
				-30	3.85	-10.800	-0.0162	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0151	-2.5 to 2.5	Pass
				-10	3.85	-9.856	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-10.986	-0.0164	-2.5 to 2.5	Pass
				10	3.85	-13.704	-0.0205	-2.5 to 2.5	Pass
				30	3.85	-14.777	-0.0221	-2.5 to 2.5	Pass
				40	3.85	-11.745	-0.0176	-2.5 to 2.5	Pass
				50	3.85	-11.473	-0.0172	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	14.219	0.0209	-2.5 to 2.5	Pass
					3.85	24.204	0.0356	-2.5 to 2.5	Pass
					4.43	30.284	0.0445	-2.5 to 2.5	Pass
				-30	3.85	36.821	0.0541	-2.5 to 2.5	Pass
				-20	3.85	41.757	0.0614	-2.5 to 2.5	Pass
				-10	3.85	49.367	0.0725	-2.5 to 2.5	Pass
				0	3.85	53.802	0.0791	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.360	-0.0035	-2.5 to 2.5	Pass
				50	3.85	3.619	0.0053	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-34.790	-0.0502	-2.5 to 2.5	Pass
					3.85	-31.800	-0.0459	-2.5 to 2.5	Pass
					4.43	-29.197	-0.0421	-2.5 to 2.5	Pass
				-30	3.85	-28.424	-0.0410	-2.5 to 2.5	Pass
				-20	3.85	-28.424	-0.0410	-2.5 to 2.5	Pass
				-10	3.85	-26.679	-0.0385	-2.5 to 2.5	Pass

				0	3.85	-22.488	-0.0325	-2.5 to 2.5	Pass
				10	3.85	-20.657	-0.0298	-2.5 to 2.5	Pass
				30	3.85	-19.426	-0.0280	-2.5 to 2.5	Pass
				40	3.85	-17.438	-0.0252	-2.5 to 2.5	Pass
				50	3.85	-15.078	-0.0218	-2.5 to 2.5	Pass

2.1.3 B71_15MHz

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	-11.458	-0.0171	-2.5 to 2.5	Pass
					3.85	-40.469	-0.0604	-2.5 to 2.5	Pass
					4.43	-24.076	-0.0359	-2.5 to 2.5	Pass
				-30	3.85	-39.225	-0.0585	-2.5 to 2.5	Pass
				-20	3.85	-26.364	-0.0393	-2.5 to 2.5	Pass
				-10	3.85	-44.560	-0.0665	-2.5 to 2.5	Pass
				0	3.85	-17.867	-0.0266	-2.5 to 2.5	Pass
				10	3.85	-34.232	-0.0511	-2.5 to 2.5	Pass
				30	3.85	-46.263	-0.0690	-2.5 to 2.5	Pass
				40	3.85	-49.882	-0.0744	-2.5 to 2.5	Pass
				50	3.85	-11.544	-0.0172	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	8.111	0.0119	-2.5 to 2.5	Pass
					3.85	4.277	0.0063	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.290	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-3.304	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-3.104	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-6.166	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-7.868	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	7.453	0.0108	-2.5 to 2.5	Pass
					3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
					4.43	-12.689	-0.0184	-2.5 to 2.5	Pass
				-30	3.85	-19.155	-0.0277	-2.5 to 2.5	Pass
				-20	3.85	-27.866	-0.0404	-2.5 to 2.5	Pass
				-10	3.85	-35.791	-0.0518	-2.5 to 2.5	Pass
				0	3.85	-47.736	-0.0691	-2.5 to 2.5	Pass
				10	3.85	-44.689	-0.0647	-2.5 to 2.5	Pass
				30	3.85	-11.044	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-11.873	-0.0172	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-18.582	-0.0277	-2.5 to 2.5	Pass
					3.85	-20.256	-0.0302	-2.5 to 2.5	Pass
					4.43	-21.672	-0.0323	-2.5 to 2.5	Pass
				-30	3.85	-23.661	-0.0353	-2.5 to 2.5	Pass
				-20	3.85	-23.832	-0.0355	-2.5 to 2.5	Pass
				-10	3.85	-23.761	-0.0354	-2.5 to 2.5	Pass
				0	3.85	-26.736	-0.0399	-2.5 to 2.5	Pass
				10	3.85	-26.321	-0.0393	-2.5 to 2.5	Pass
				30	3.85	-25.091	-0.0374	-2.5 to 2.5	Pass
				40	3.85	-25.949	-0.0387	-2.5 to 2.5	Pass
				50	3.85	-30.155	-0.0450	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-2.890	-0.0042	-2.5 to 2.5	Pass
					3.85	5.164	0.0076	-2.5 to 2.5	Pass

					4.43	11.315	0.0166	-2.5 to 2.5	Pass
				-30	3.85	12.488	0.0184	-2.5 to 2.5	Pass
				-20	3.85	14.391	0.0211	-2.5 to 2.5	Pass
				-10	3.85	17.166	0.0252	-2.5 to 2.5	Pass
				0	3.85	21.644	0.0318	-2.5 to 2.5	Pass
				10	3.85	25.749	0.0378	-2.5 to 2.5	Pass
				30	3.85	29.612	0.0435	-2.5 to 2.5	Pass
				40	3.85	33.989	0.0499	-2.5 to 2.5	Pass
				50	3.85	36.592	0.0538	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-18.010	-0.0261	-2.5 to 2.5	Pass
					3.85	-19.455	-0.0282	-2.5 to 2.5	Pass
					4.43	-19.541	-0.0283	-2.5 to 2.5	Pass
				-30	3.85	-19.784	-0.0287	-2.5 to 2.5	Pass
				-20	3.85	-17.338	-0.0251	-2.5 to 2.5	Pass
				-10	3.85	-14.820	-0.0215	-2.5 to 2.5	Pass
				0	3.85	-13.862	-0.0201	-2.5 to 2.5	Pass
				10	3.85	-12.074	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-11.659	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-9.012	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0144	-2.5 to 2.5	Pass

2.1.4 B71_20MHz

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	-16.379	-0.0243	-2.5 to 2.5	Pass
					3.85	-7.367	-0.0109	-2.5 to 2.5	Pass
					4.43	-30.999	-0.0461	-2.5 to 2.5	Pass
				-30	3.85	-33.703	-0.0501	-2.5 to 2.5	Pass
				-20	3.85	-3.090	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-27.223	-0.0405	-2.5 to 2.5	Pass
				0	3.85	-47.078	-0.0700	-2.5 to 2.5	Pass
				10	3.85	-6.452	-0.0096	-2.5 to 2.5	Pass
				30	3.85	-22.130	-0.0329	-2.5 to 2.5	Pass
				40	3.85	-32.158	-0.0478	-2.5 to 2.5	Pass
				50	3.85	-44.789	-0.0666	-2.5 to 2.5	Pass
	683	100	0	20	3.27	9.098	0.0133	-2.5 to 2.5	Pass
					3.85	8.082	0.0118	-2.5 to 2.5	Pass
					4.43	1.845	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-10.586	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-12.960	-0.0190	-2.5 to 2.5	Pass
				0	3.85	-18.611	-0.0272	-2.5 to 2.5	Pass
				10	3.85	-20.885	-0.0306	-2.5 to 2.5	Pass
				30	3.85	-21.429	-0.0314	-2.5 to 2.5	Pass
				40	3.85	-20.828	-0.0305	-2.5 to 2.5	Pass
				50	3.85	-22.702	-0.0332	-2.5 to 2.5	Pass
	688	100	0	20	3.27	5.507	0.0080	-2.5 to 2.5	Pass
					3.85	-2.604	-0.0038	-2.5 to 2.5	Pass
					4.43	-17.123	-0.0249	-2.5 to 2.5	Pass
				-30	3.85	-28.281	-0.0411	-2.5 to 2.5	Pass
				-20	3.85	-40.040	-0.0582	-2.5 to 2.5	Pass
				-10	3.85	-50.068	-0.0728	-2.5 to 2.5	Pass
				0	3.85	-4.706	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-11.916	-0.0173	-2.5 to 2.5	Pass
				30	3.85	-17.123	-0.0249	-2.5 to 2.5	Pass

16QAM	673	100	0	40	3.85	-22.187	-0.0322	-2.5 to 2.5	Pass
				50	3.85	-25.964	-0.0377	-2.5 to 2.5	Pass
				20	3.27	2.432	0.0036	-2.5 to 2.5	Pass
					3.85	2.089	0.0031	-2.5 to 2.5	Pass
					4.43	4.592	0.0068	-2.5 to 2.5	Pass
				-30	3.85	7.567	0.0112	-2.5 to 2.5	Pass
				-20	3.85	7.153	0.0106	-2.5 to 2.5	Pass
				-10	3.85	3.262	0.0048	-2.5 to 2.5	Pass
				0	3.85	2.360	0.0035	-2.5 to 2.5	Pass
				10	3.85	6.366	0.0095	-2.5 to 2.5	Pass
	683	100	0	30	3.85	6.881	0.0102	-2.5 to 2.5	Pass
				40	3.85	5.264	0.0078	-2.5 to 2.5	Pass
				50	3.85	5.851	0.0087	-2.5 to 2.5	Pass
				20	3.27	-19.770	-0.0289	-2.5 to 2.5	Pass
					3.85	-11.830	-0.0173	-2.5 to 2.5	Pass
					4.43	-3.777	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0024	-2.5 to 2.5	Pass
				-10	3.85	4.950	0.0072	-2.5 to 2.5	Pass
				0	3.85	9.456	0.0138	-2.5 to 2.5	Pass
	688	100	0	10	3.85	16.136	0.0236	-2.5 to 2.5	Pass
				30	3.85	17.667	0.0259	-2.5 to 2.5	Pass
				40	3.85	20.771	0.0304	-2.5 to 2.5	Pass
				50	3.85	22.001	0.0322	-2.5 to 2.5	Pass
				20	3.27	-26.851	-0.0390	-2.5 to 2.5	Pass
					3.85	-18.625	-0.0271	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-4.721	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	2.346	0.0034	-2.5 to 2.5	Pass
				0	3.85	5.865	0.0085	-2.5 to 2.5	Pass
				10	3.85	14.963	0.0217	-2.5 to 2.5	Pass
				30	3.85	17.424	0.0253	-2.5 to 2.5	Pass
				40	3.85	24.776	0.0360	-2.5 to 2.5	Pass
				50	3.85	24.705	0.0359	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

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 B71_10MHz

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

3.1.3 B71_15MHz

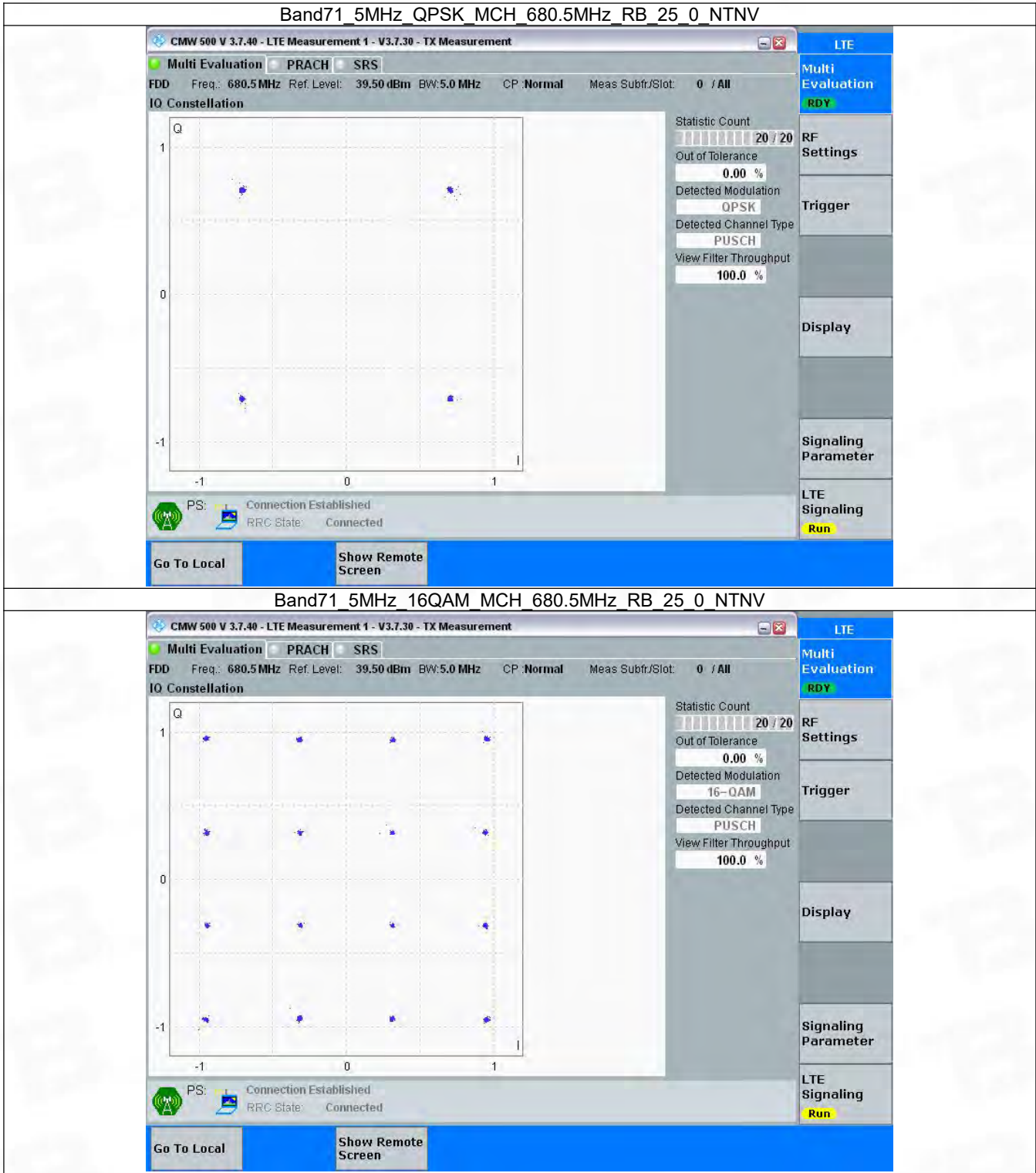
Band: 71 / Bandwidth: 15MHz / NTVV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

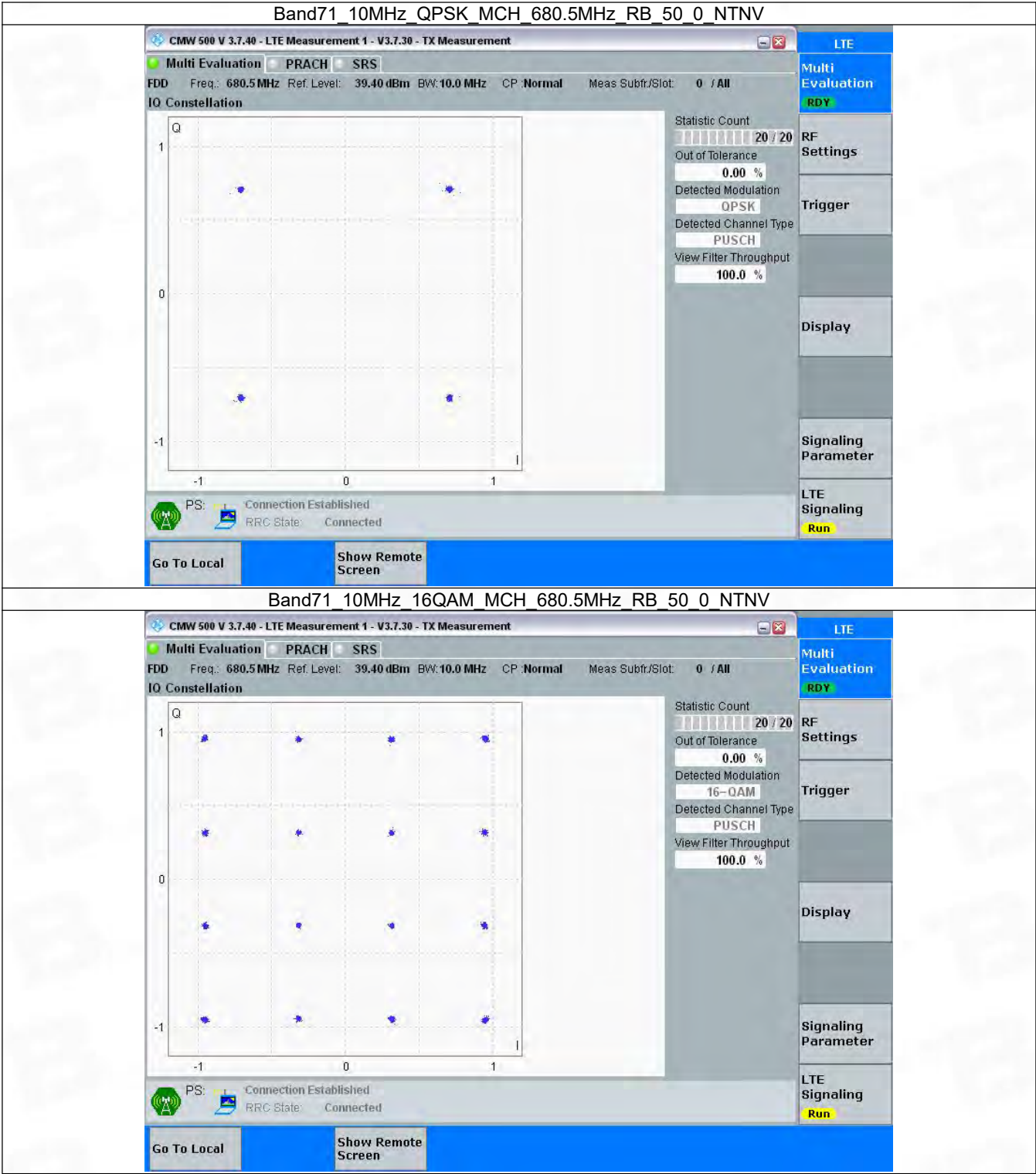
Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

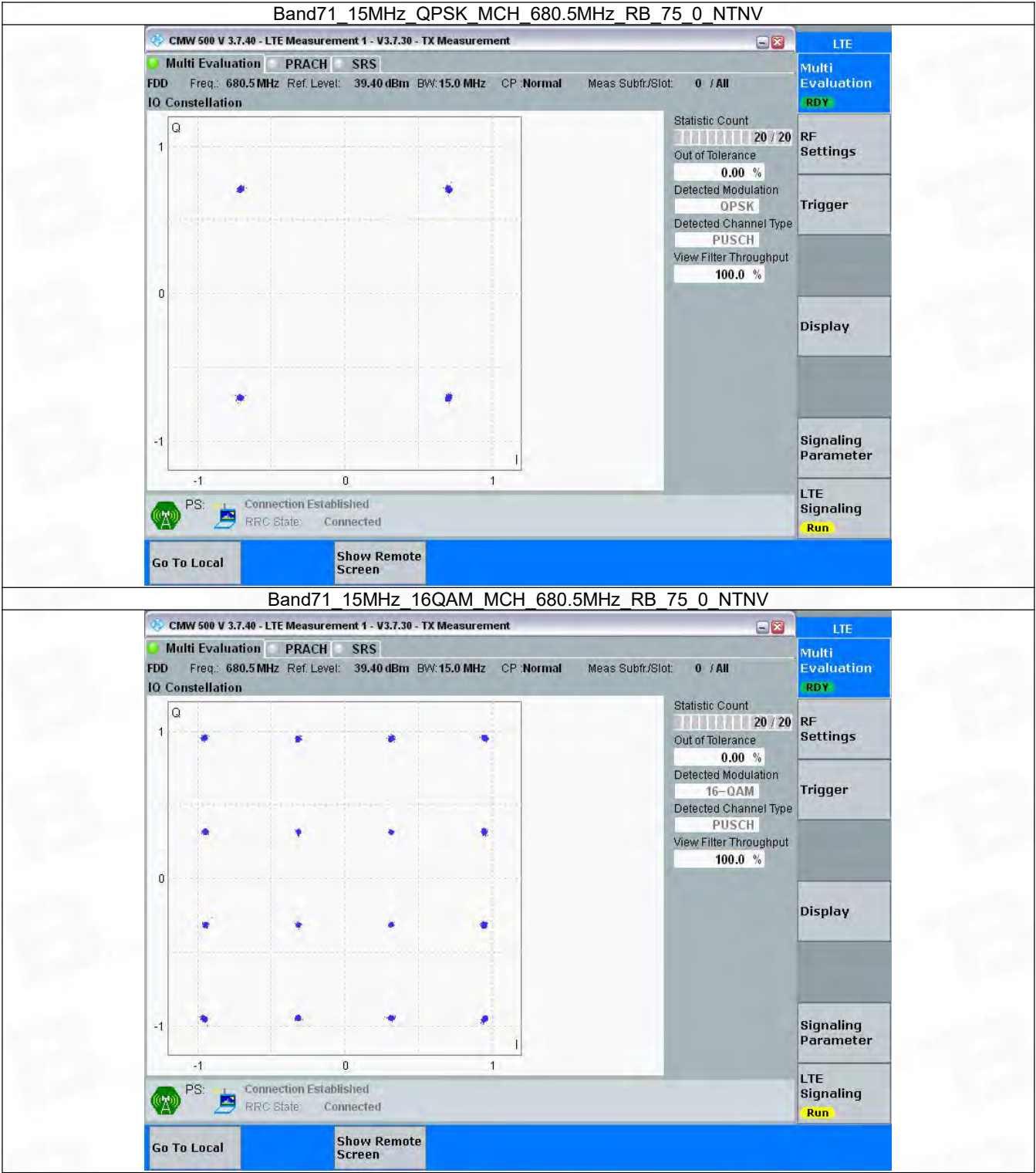
3.2.1 B71_5MHz



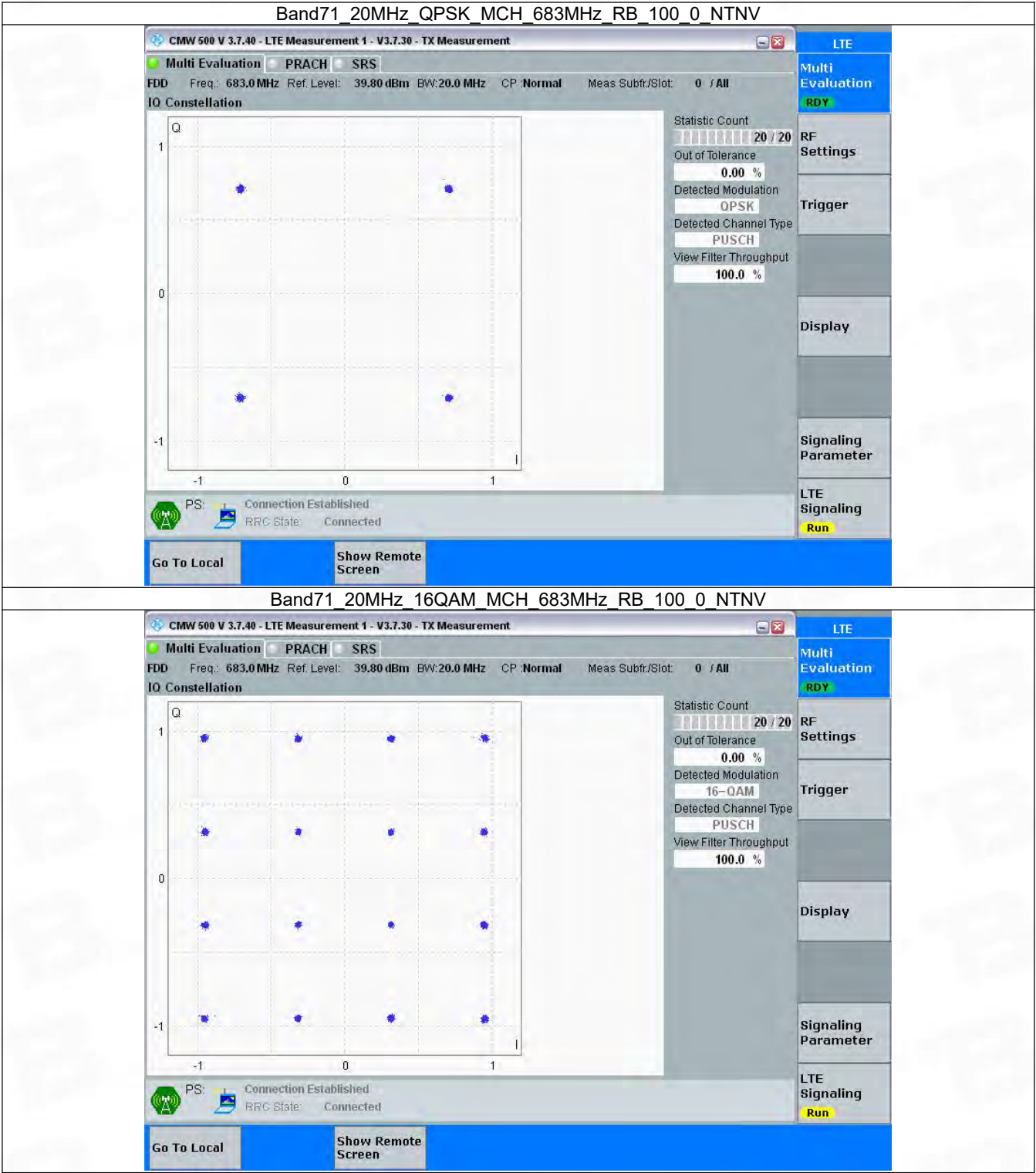
3.2.2 B71_10MHz



3.2.3 B71_15MHz



3.2.4 B71_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band71_OBW

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	4.553	/	Pass
		680.5	25	0	4.566	/	Pass
		695.5	25	0	4.530	/	Pass
	16QAM	665.5	25	0	4.562	/	Pass
		680.5	25	0	4.550	/	Pass
		695.5	25	0	4.572	/	Pass
10	QPSK	668	50	0	9.120	/	Pass
		680.5	50	0	9.059	/	Pass
		693	50	0	9.071	/	Pass
	16QAM	668	50	0	9.081	/	Pass
		680.5	50	0	9.079	/	Pass
		693	50	0	9.094	/	Pass
15	QPSK	670.5	75	0	13.633	/	Pass
		680.5	75	0	13.601	/	Pass
		690.5	75	0	13.603	/	Pass
	16QAM	670.5	75	0	13.627	/	Pass
		680.5	75	0	13.570	/	Pass
		690.5	75	0	13.613	/	Pass
20	QPSK	673	100	0	18.144	/	Pass
		683	100	0	18.120	/	Pass
		688	100	0	18.126	/	Pass
	16QAM	673	100	0	18.114	/	Pass
		683	100	0	18.134	/	Pass
		688	100	0	18.128	/	Pass

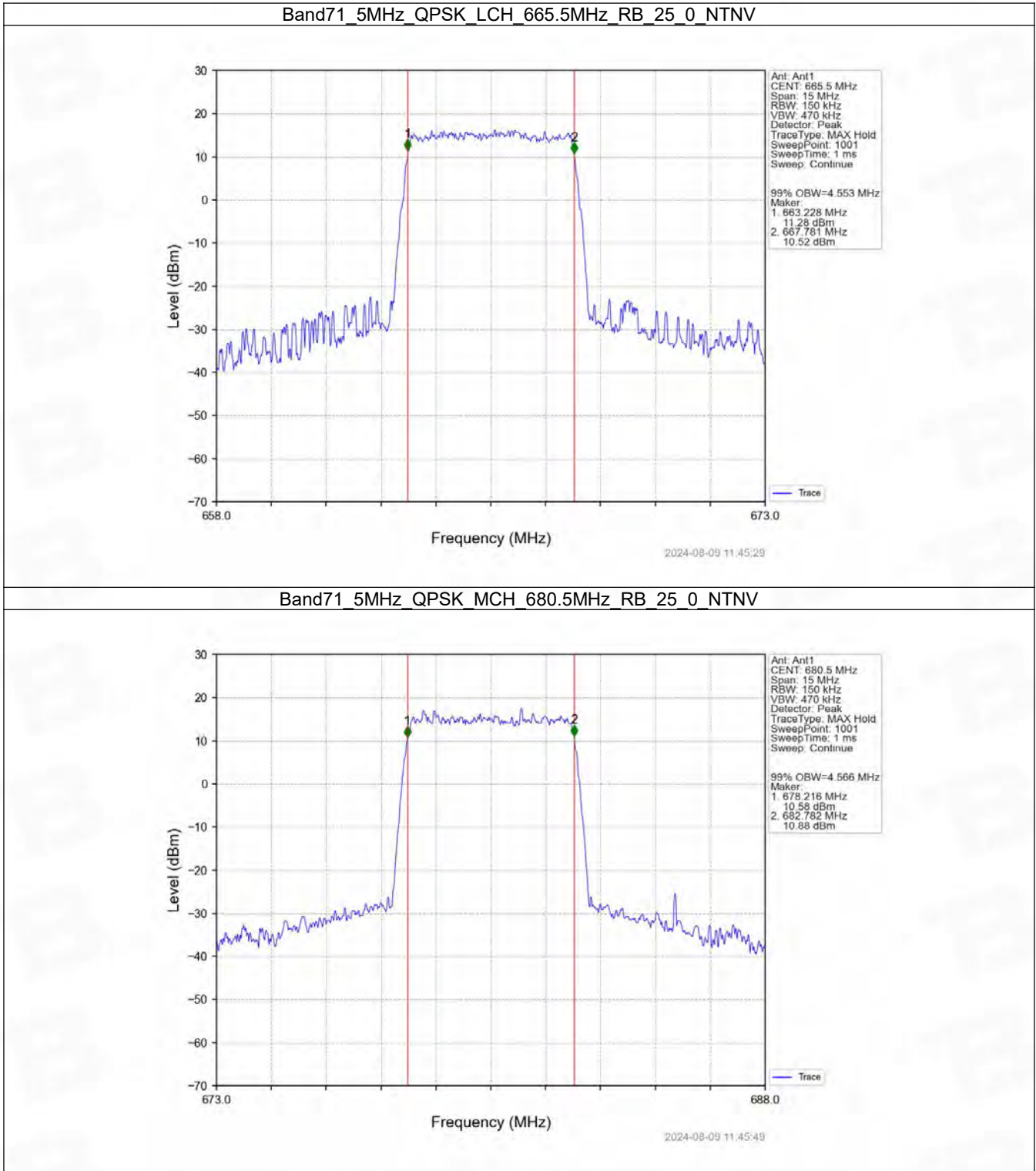
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.066	/	Pass
		680.5	25	0	5.021	/	Pass
		695.5	25	0	4.964	/	Pass
	16QAM	665.5	25	0	5.069	/	Pass
		680.5	25	0	5.037	/	Pass
		695.5	25	0	5.064	/	Pass
10	QPSK	668	50	0	9.998	/	Pass
		680.5	50	0	10.093	/	Pass
		693	50	0	10.012	/	Pass
	16QAM	668	50	0	10.030	/	Pass
		680.5	50	0	10.078	/	Pass
		693	50	0	10.088	/	Pass
15	QPSK	670.5	75	0	15.133	/	Pass
		680.5	75	0	15.110	/	Pass
		690.5	75	0	15.104	/	Pass

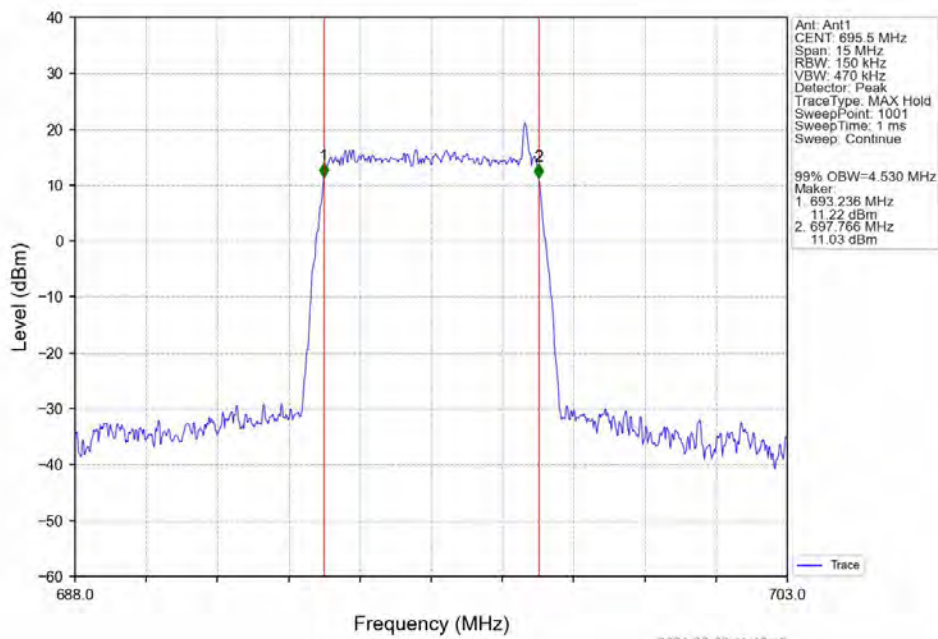
20	16QAM	670.5	75	0	15.124	/	Pass
		680.5	75	0	15.231	/	Pass
		690.5	75	0	15.112	/	Pass
	QPSK	673	100	0	20.131	/	Pass
		683	100	0	20.005	/	Pass
		688	100	0	19.903	/	Pass
	16QAM	673	100	0	19.935	/	Pass
		683	100	0	20.037	/	Pass
		688	100	0	19.955	/	Pass

4.2 Test Graph

4.2.1 Band71_OBW

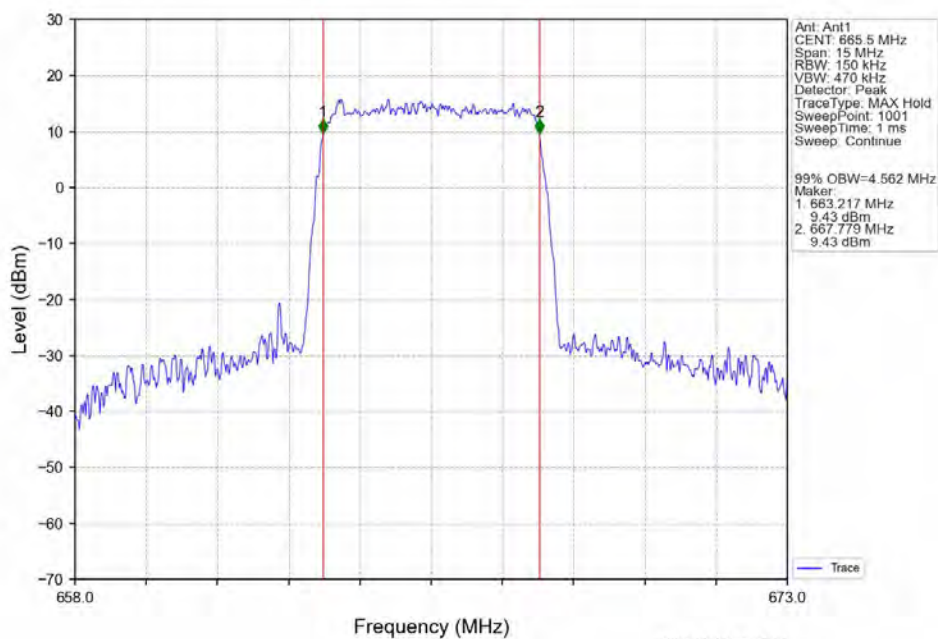


Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



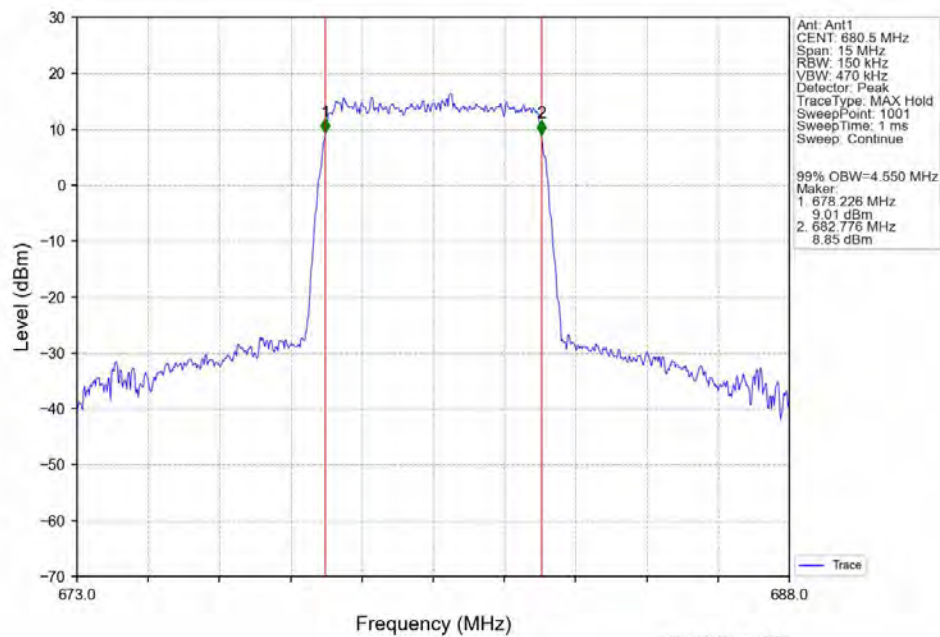
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Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

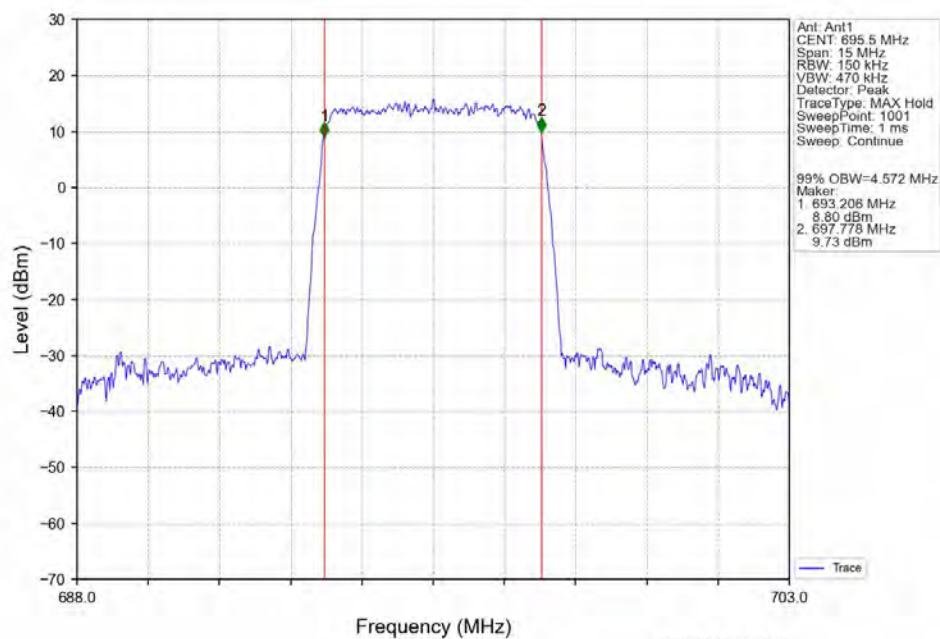


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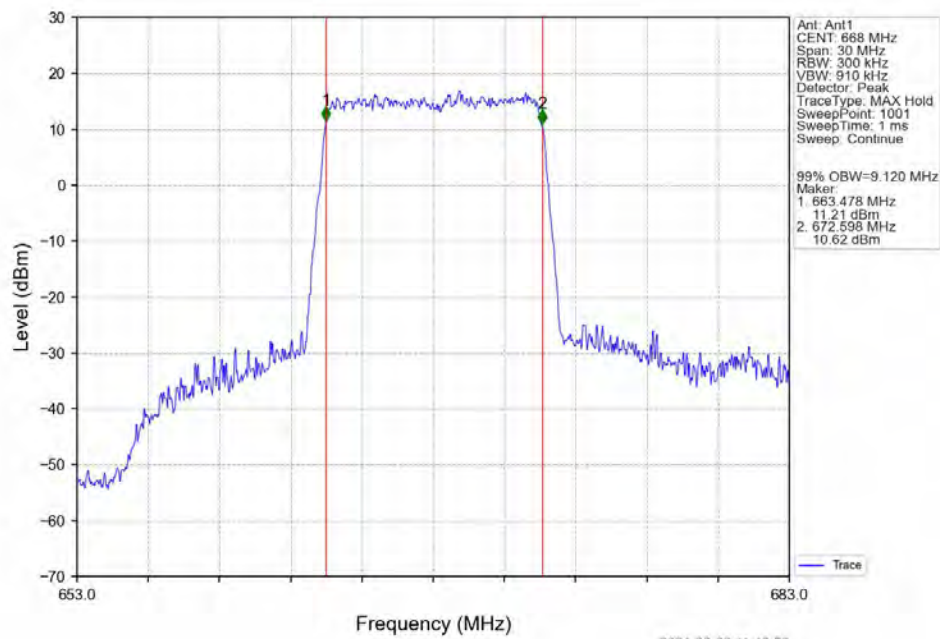
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



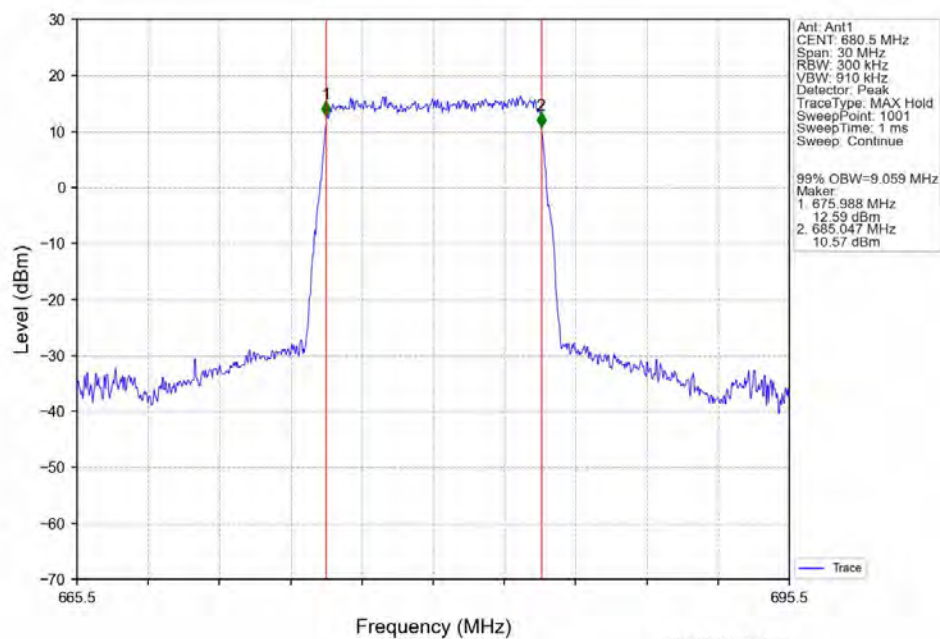
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



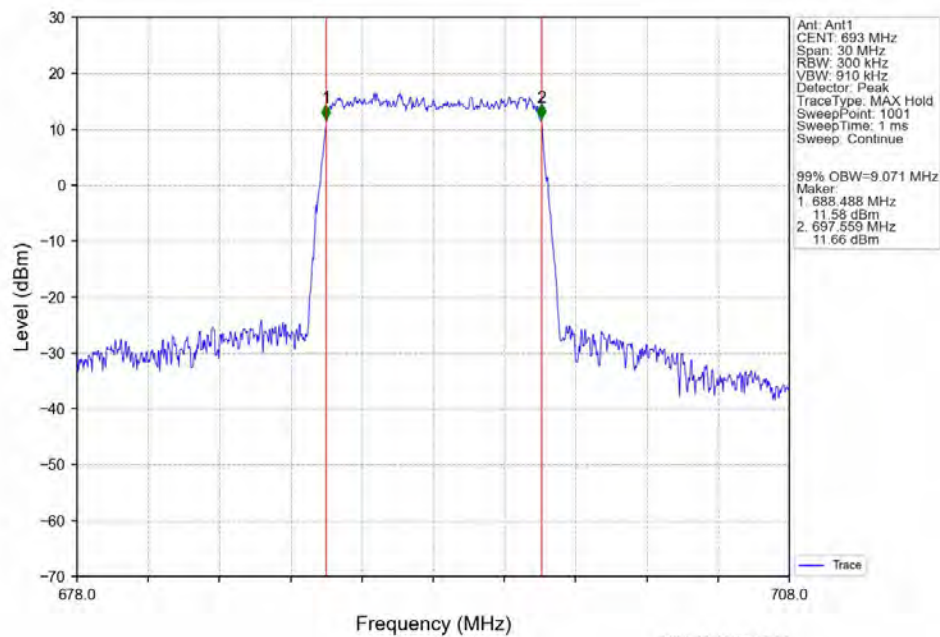
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



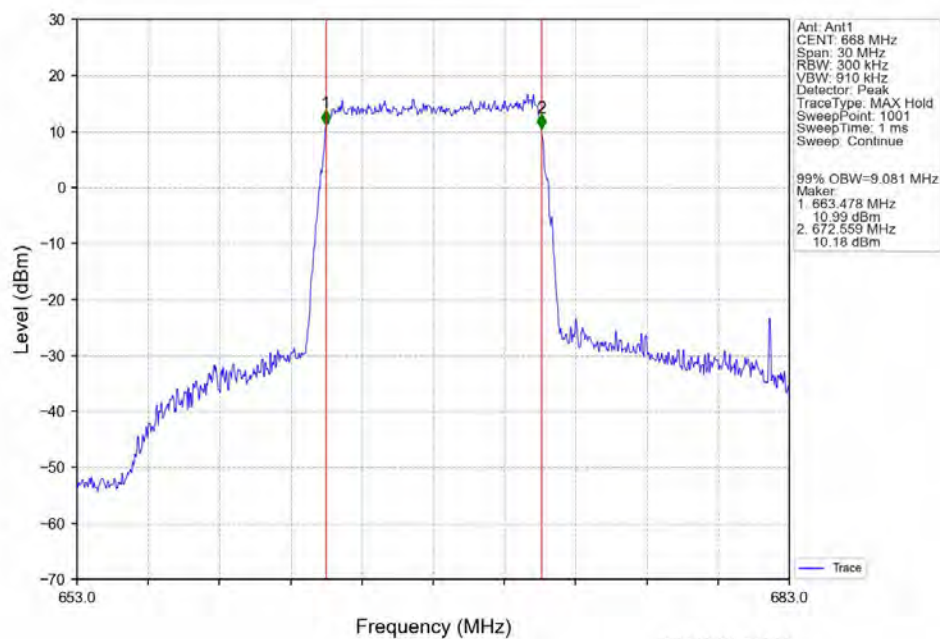
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV

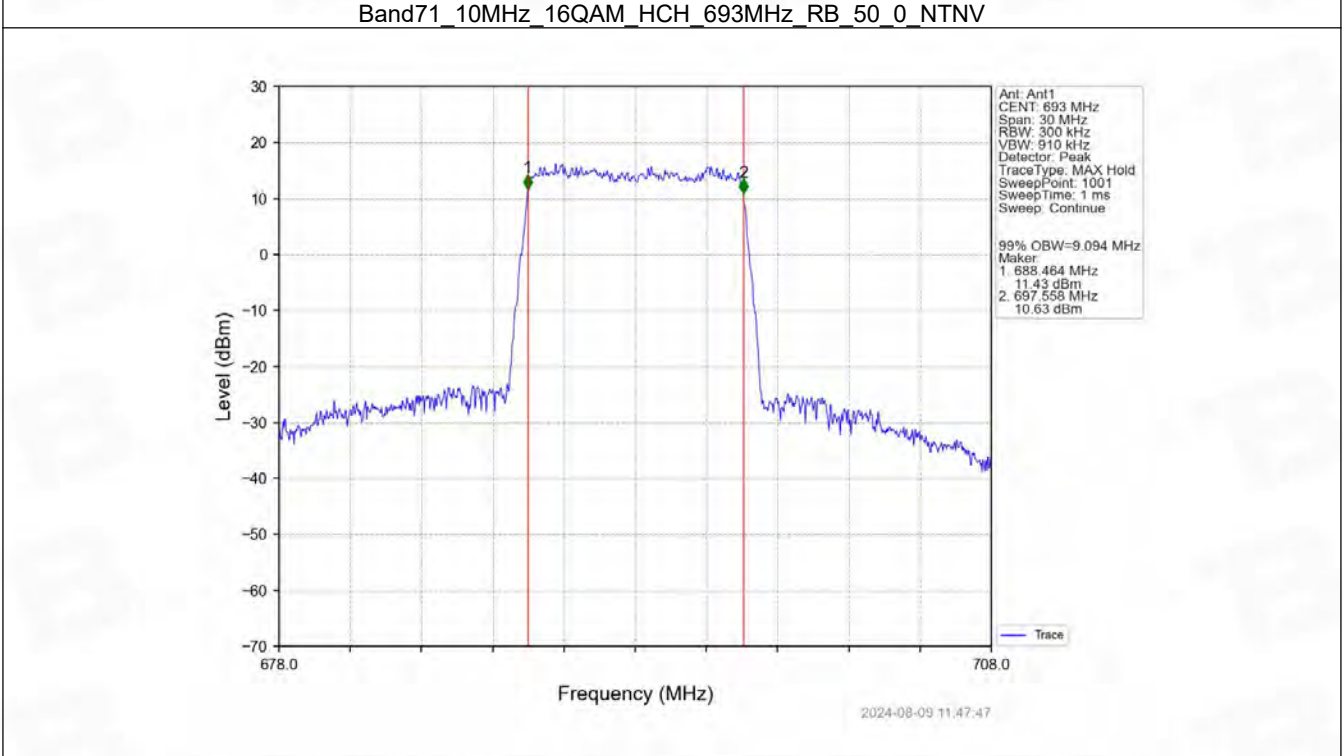
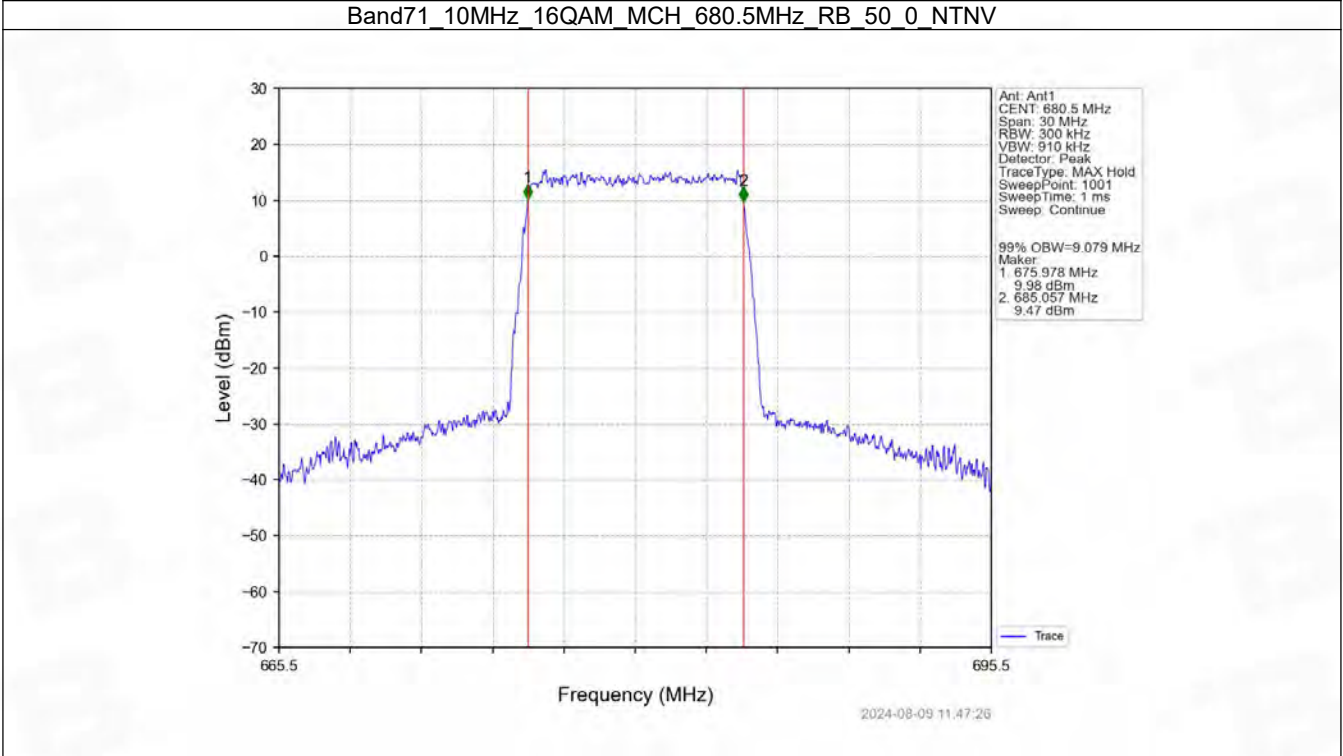


Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV

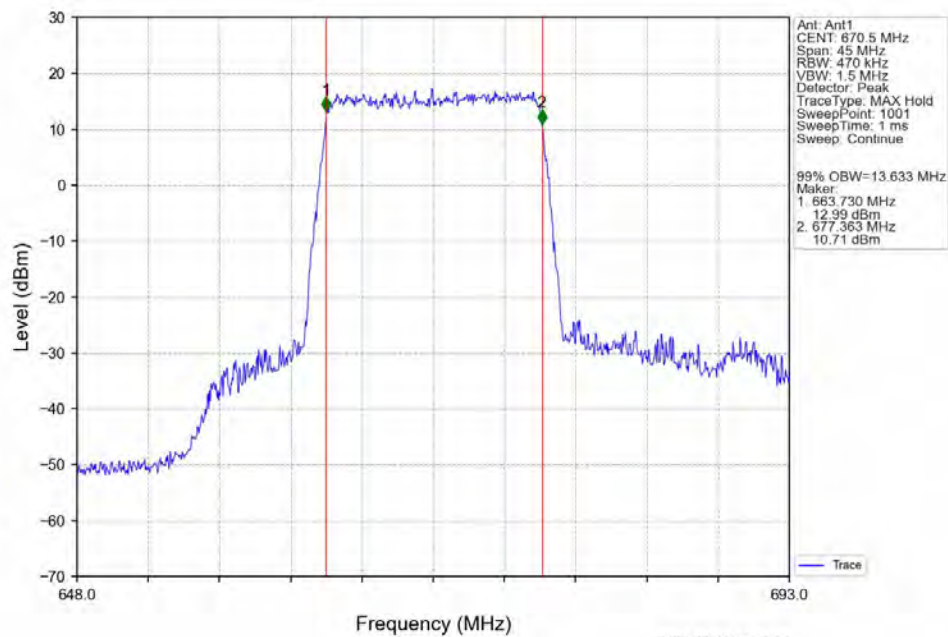


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

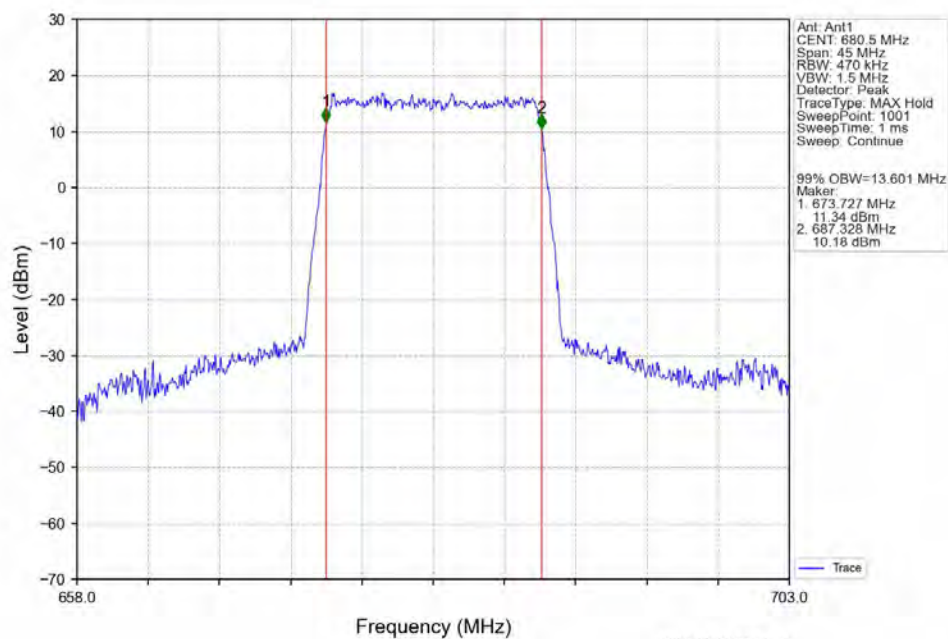




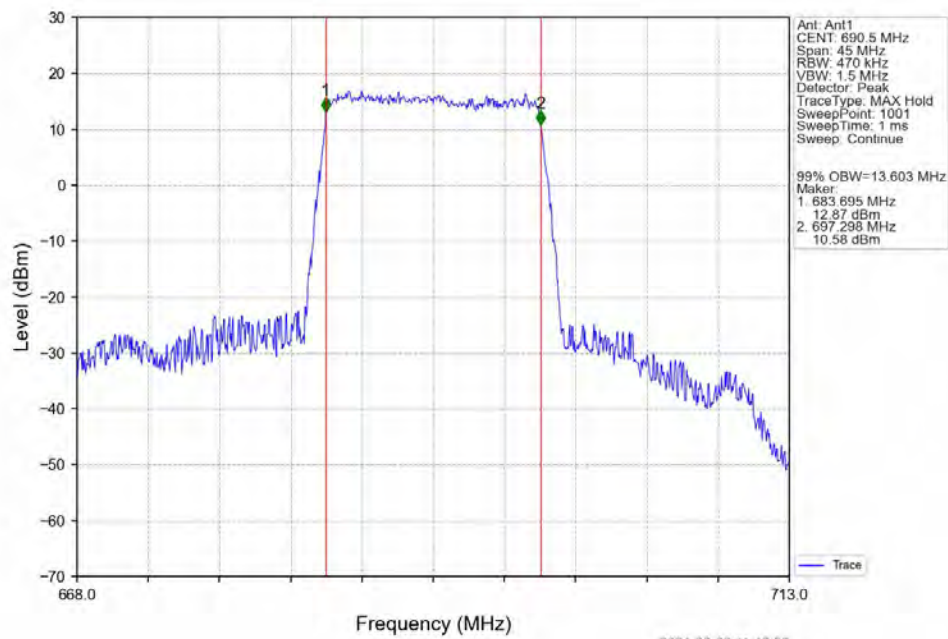
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



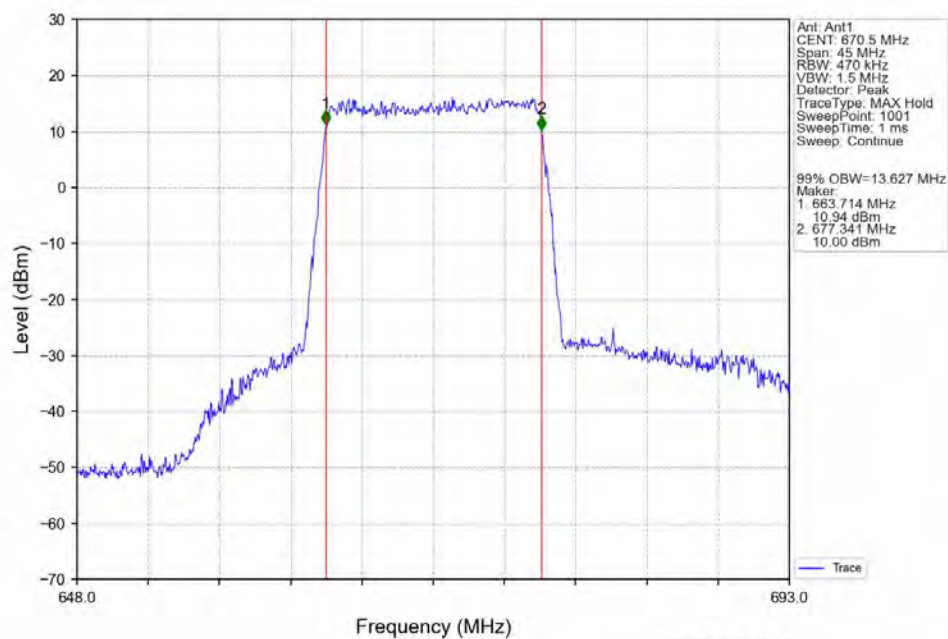
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV

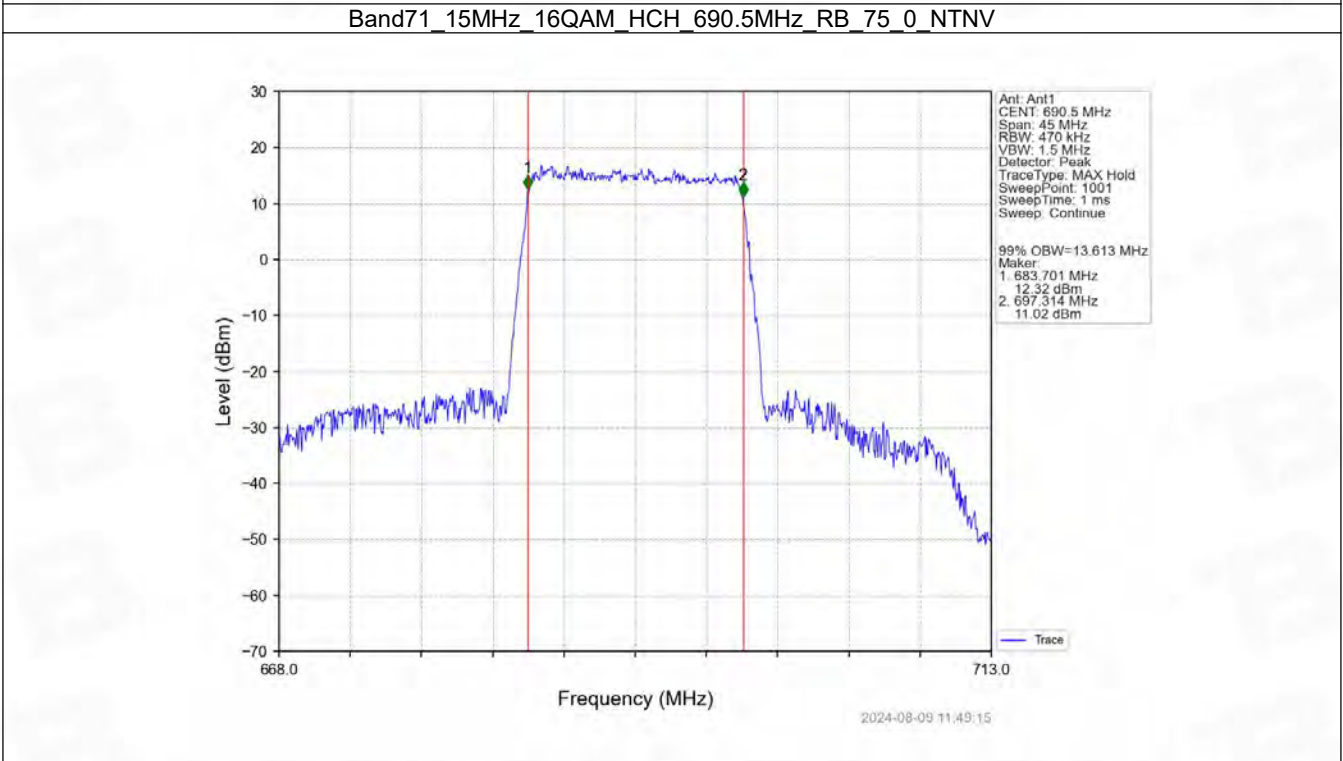
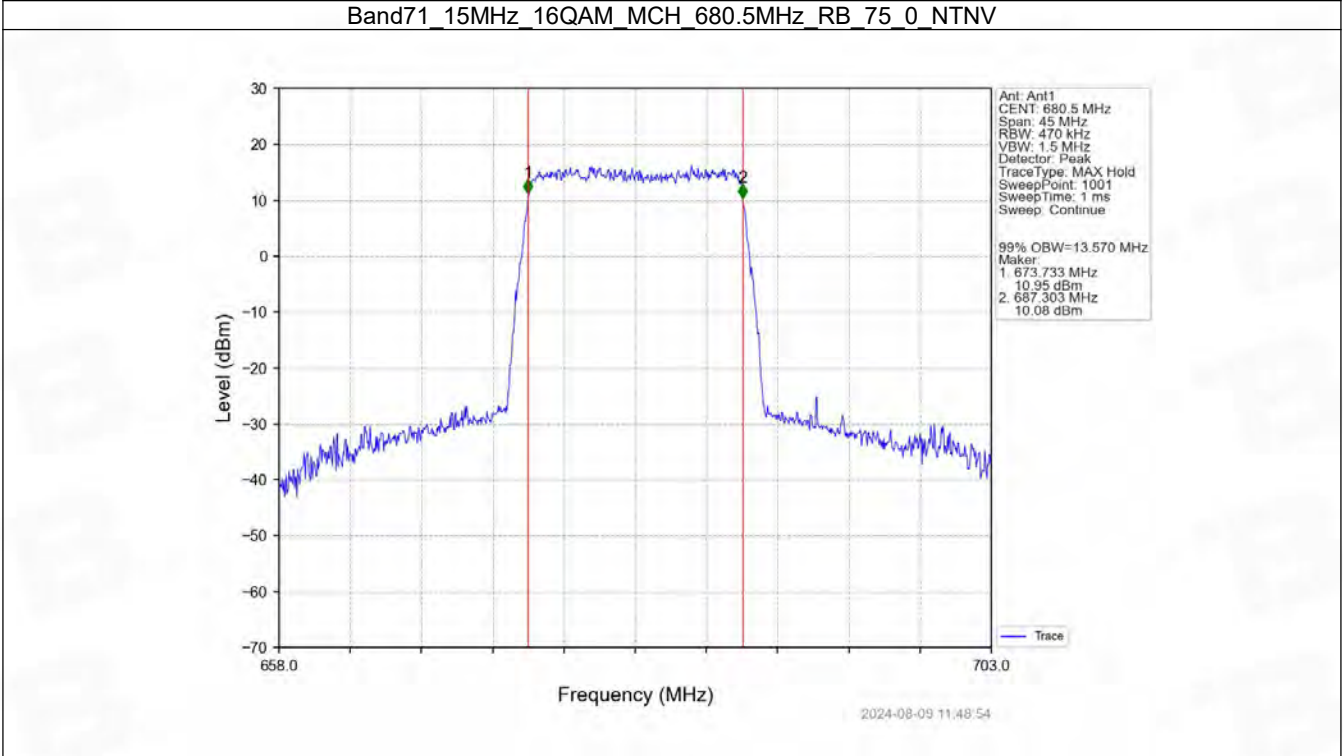


Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV

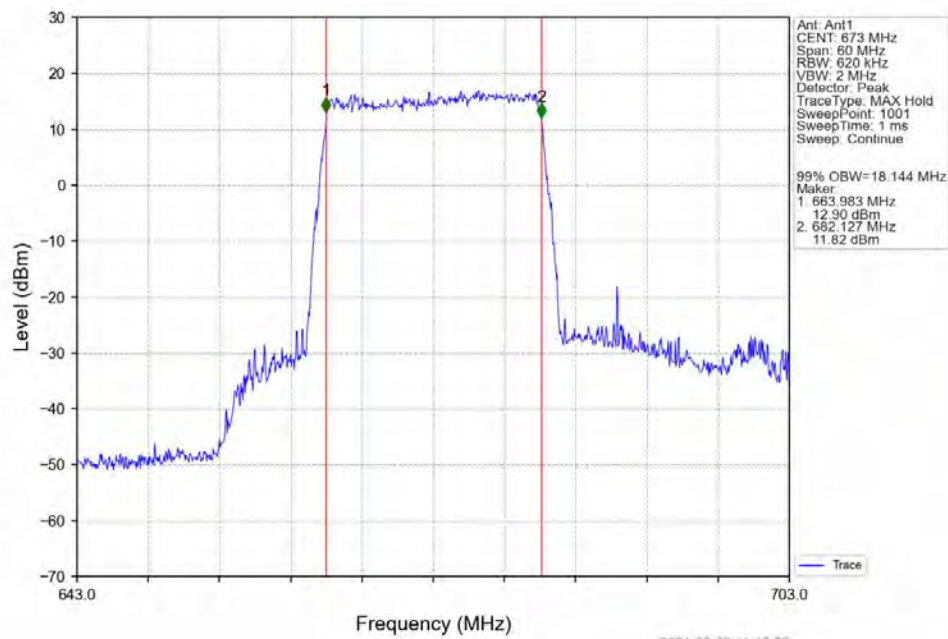


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

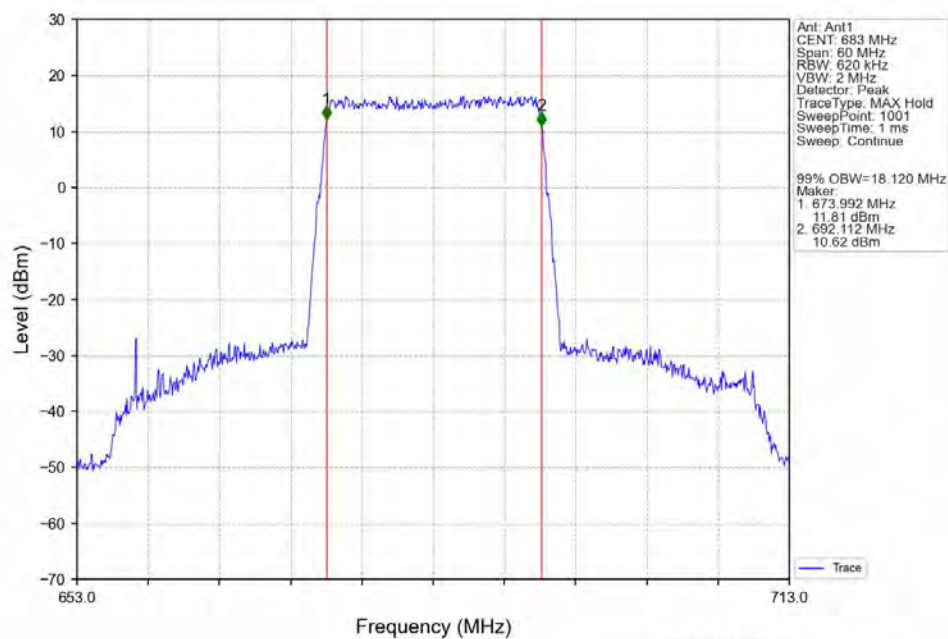




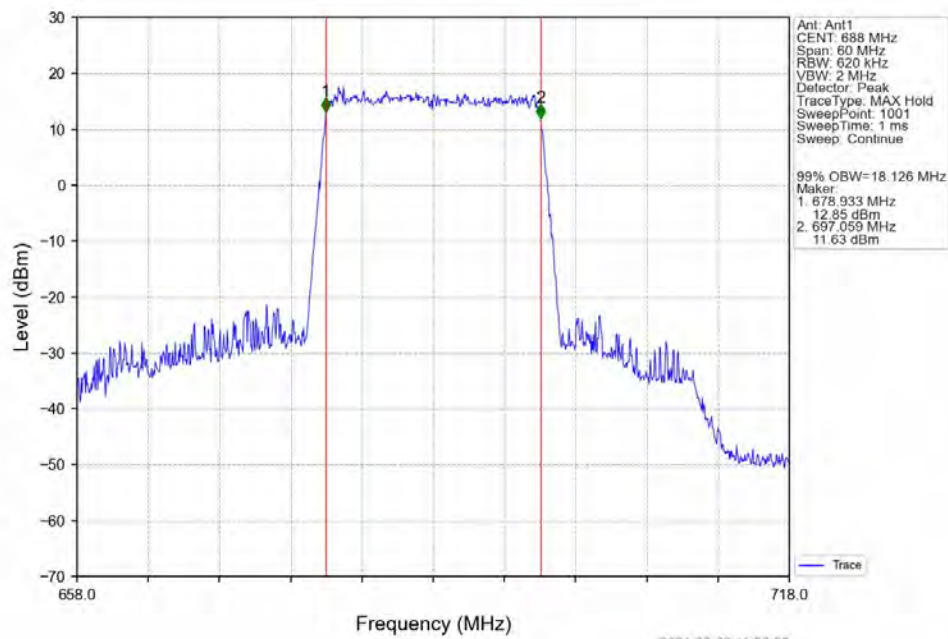
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



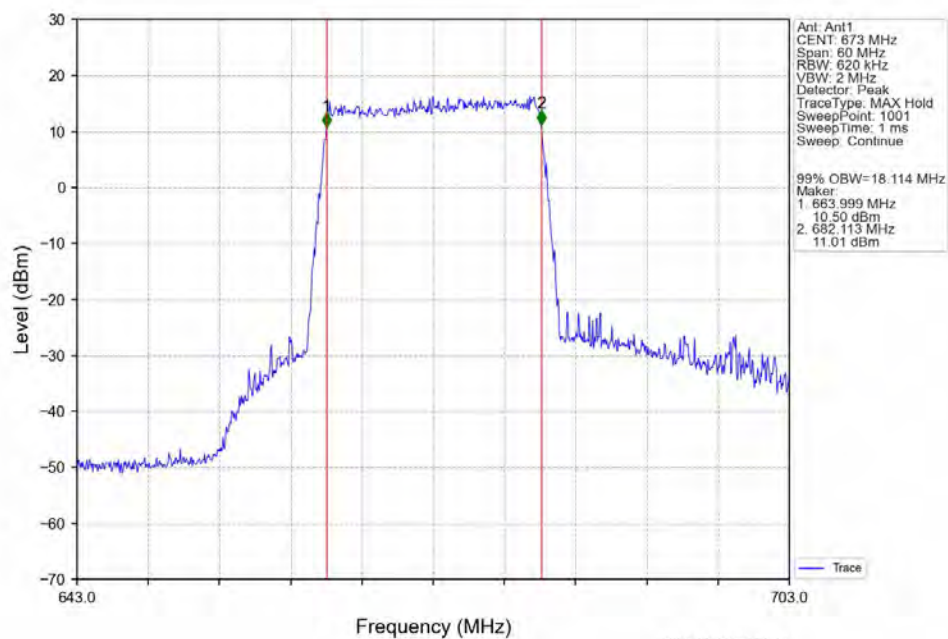
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



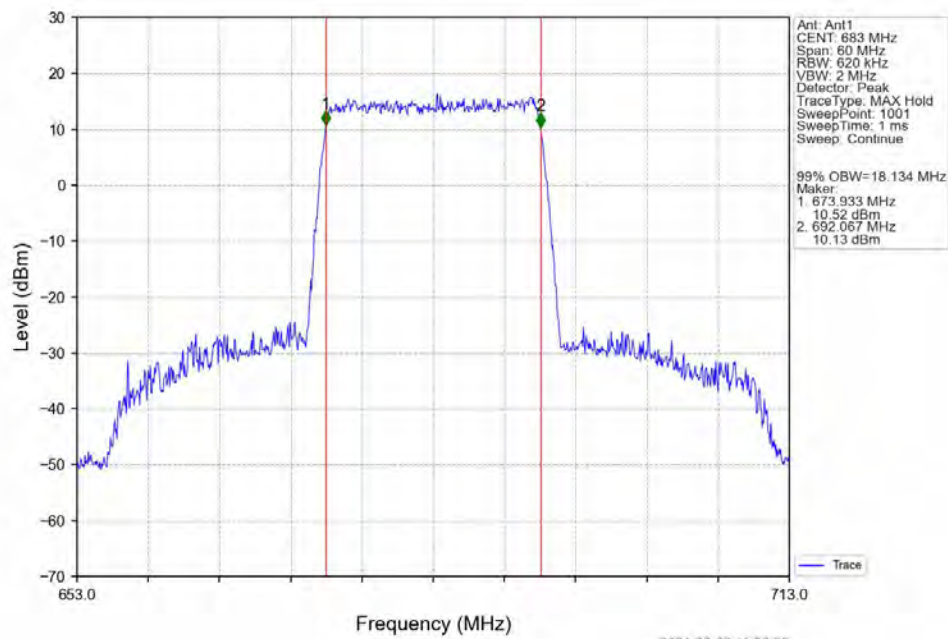
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



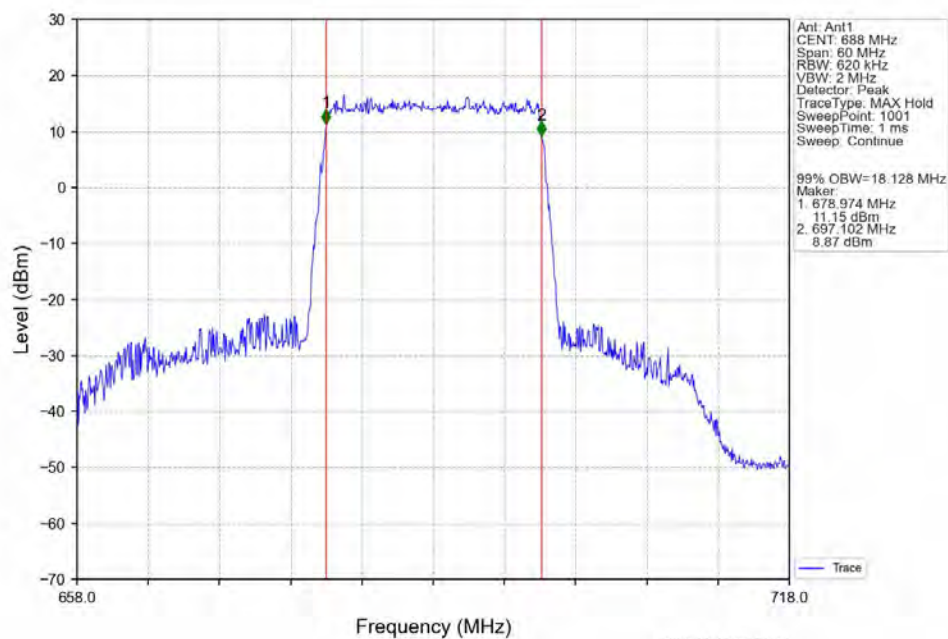
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



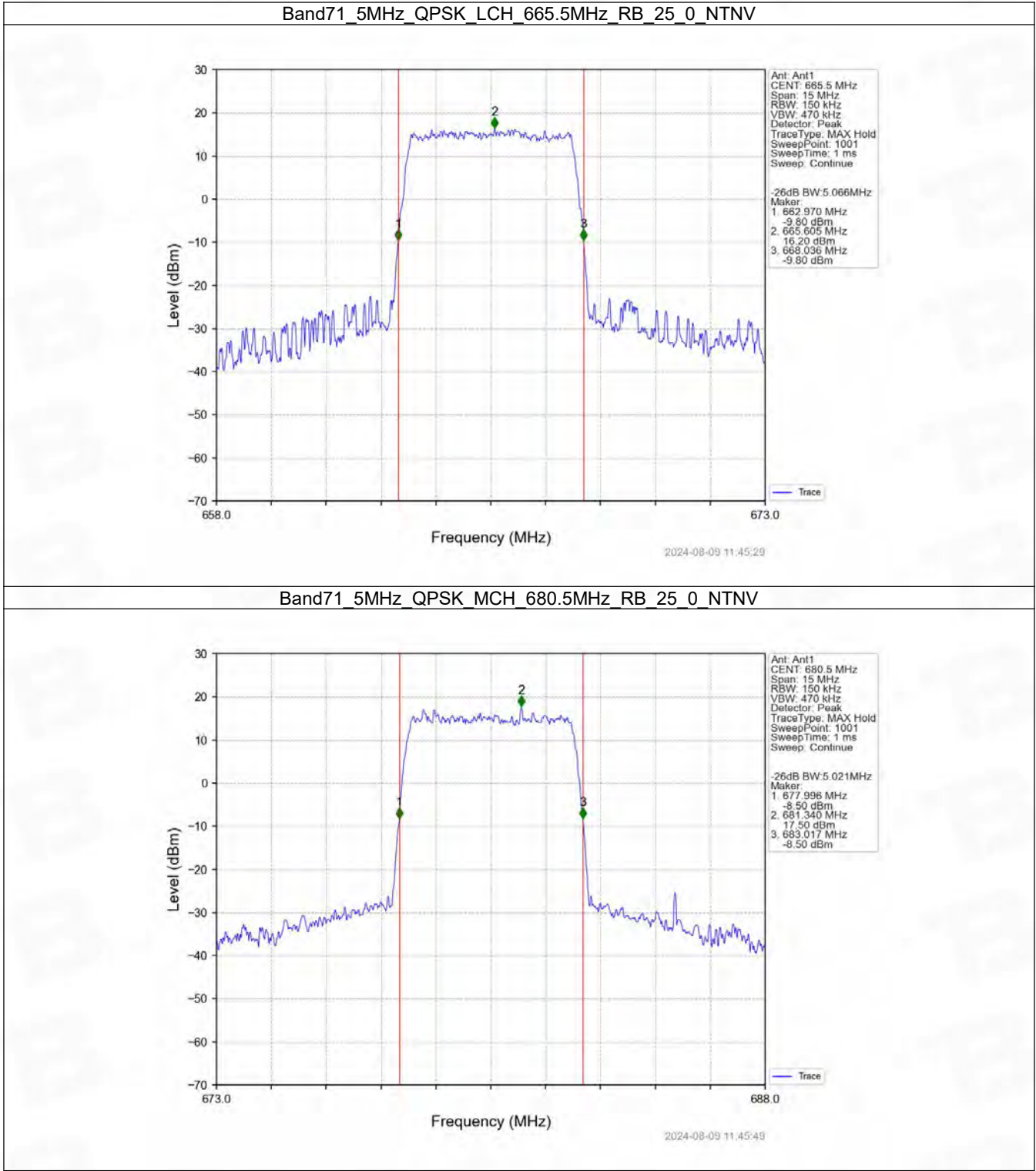
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



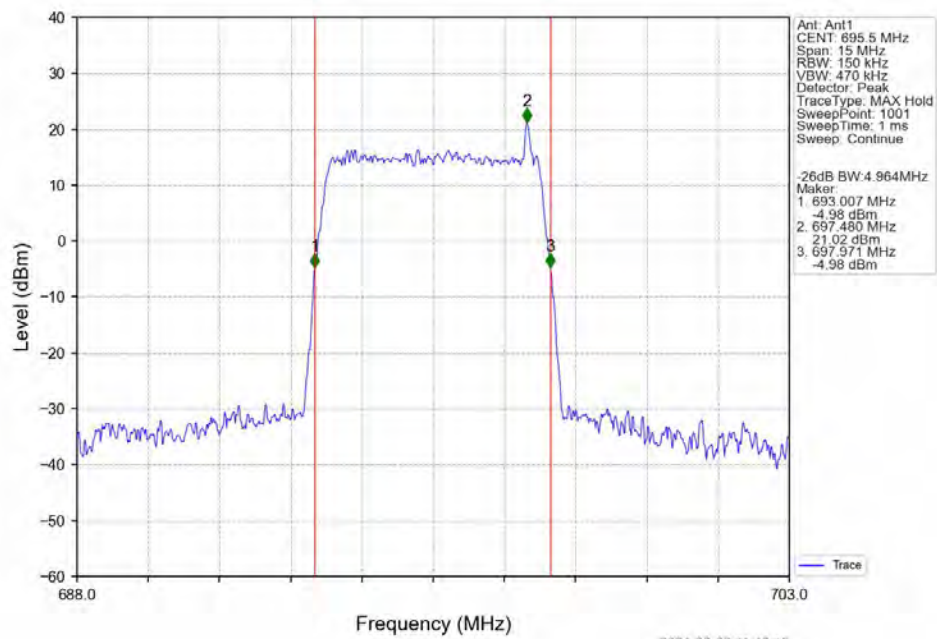
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



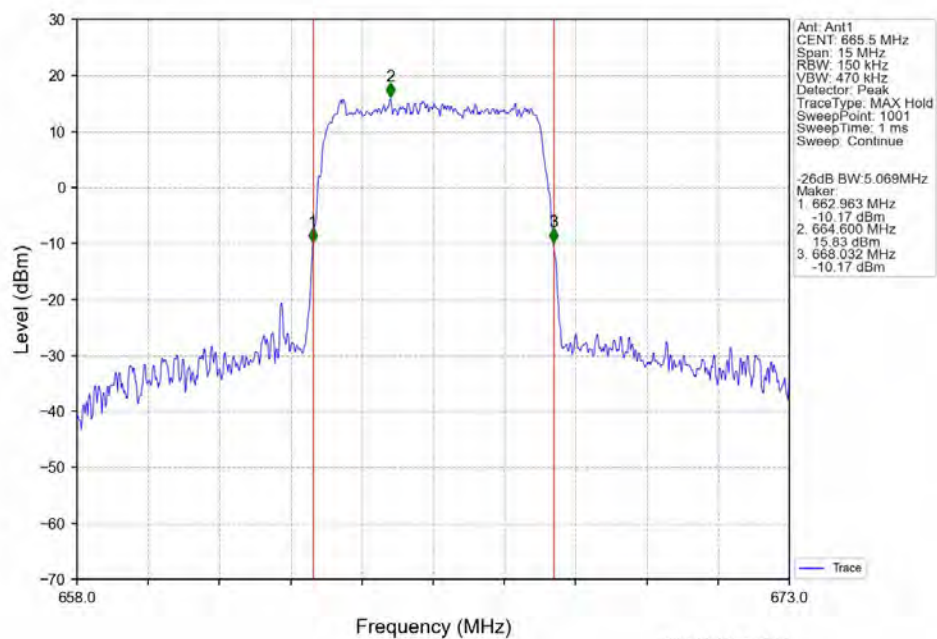
4.2.2 Band71_XDB



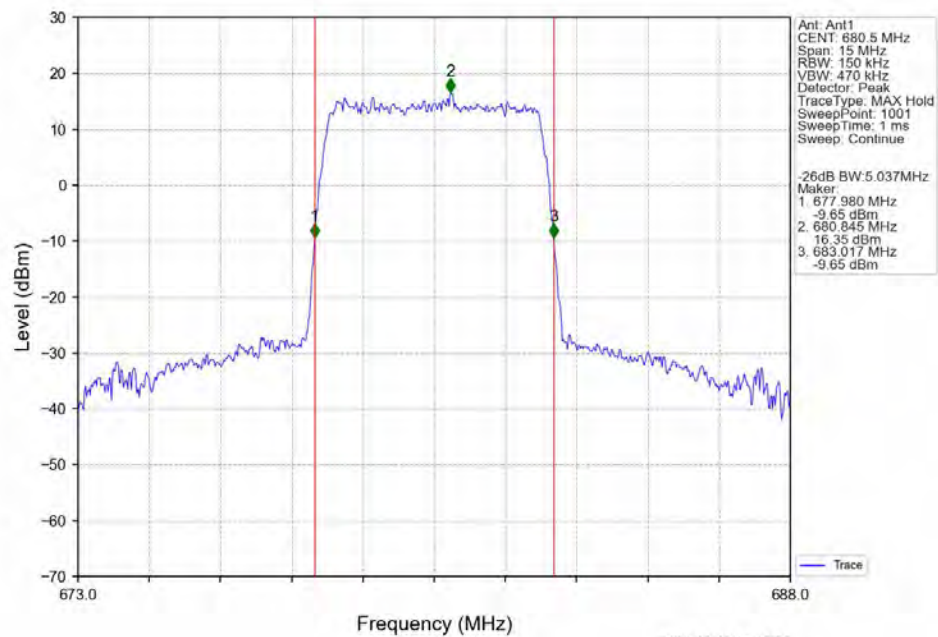
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



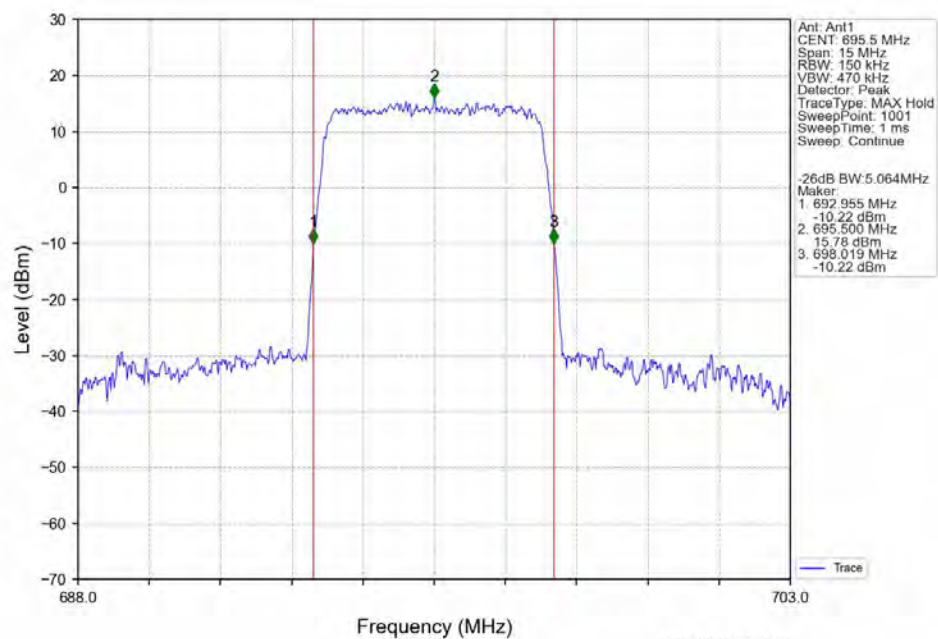
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



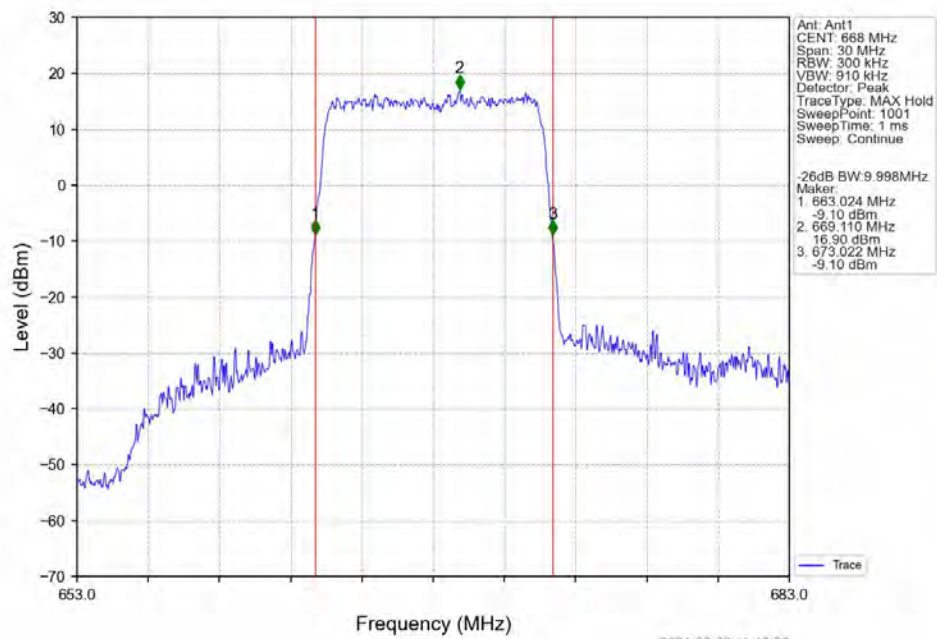
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



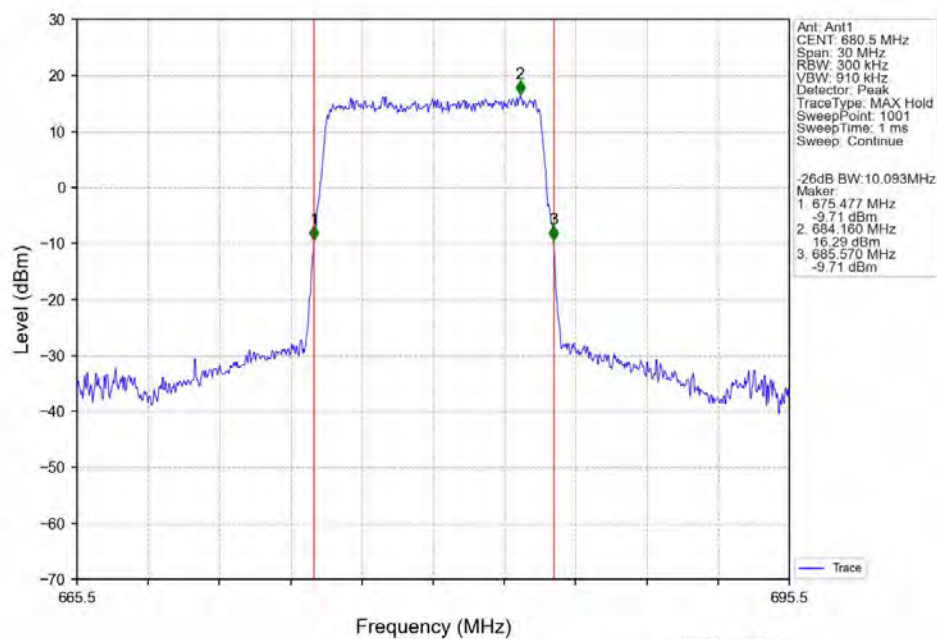
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



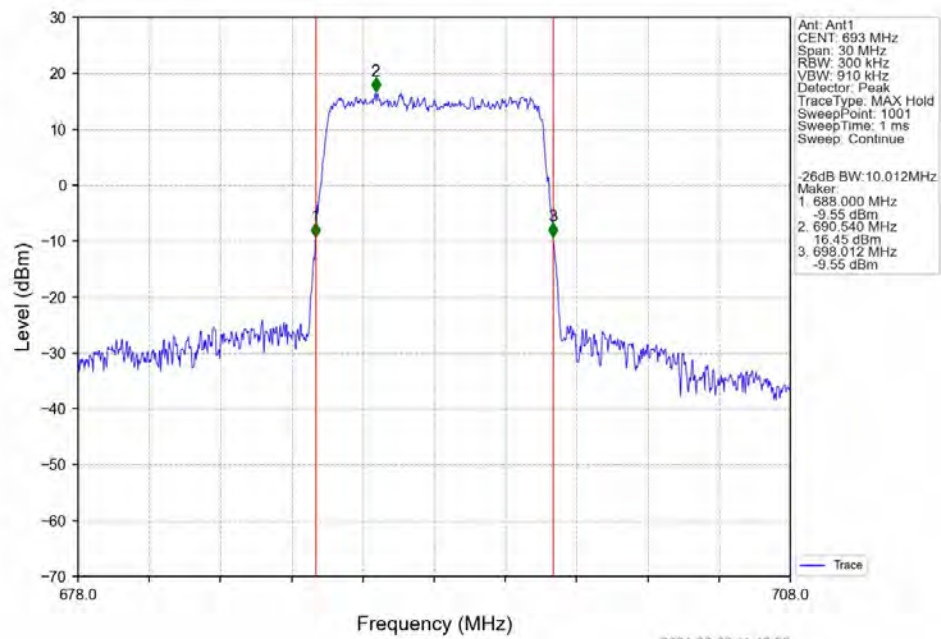
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



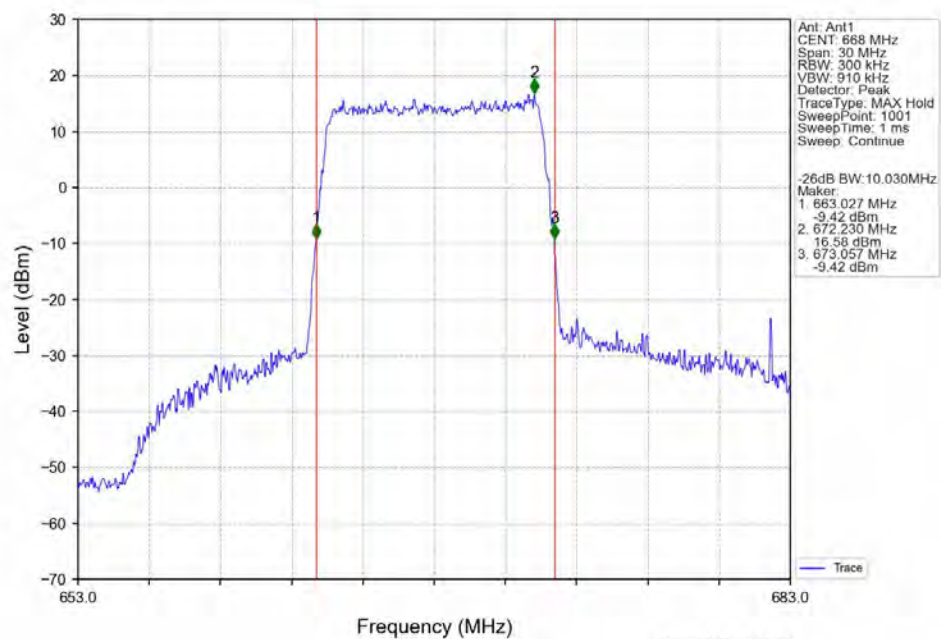
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



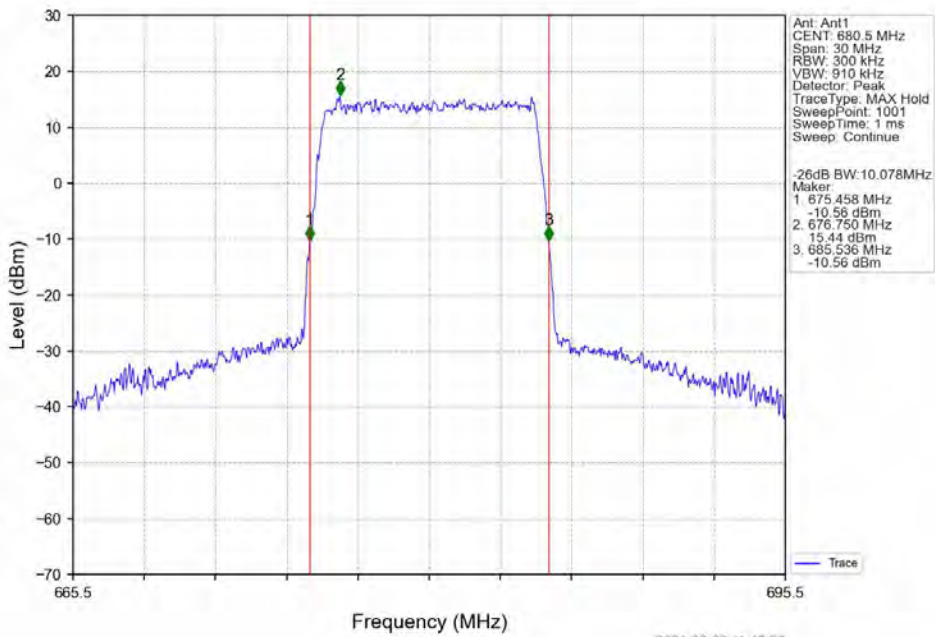
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



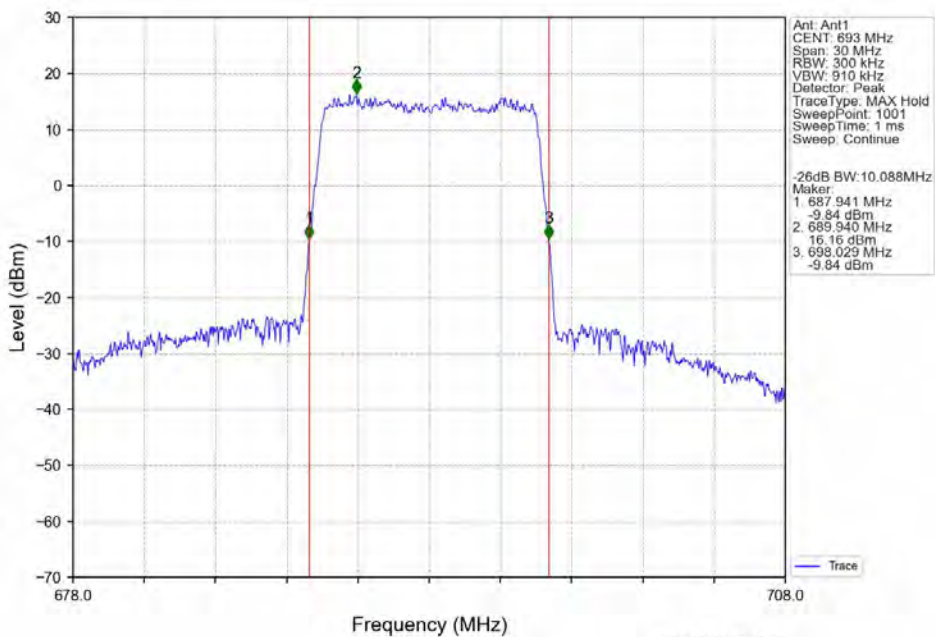
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



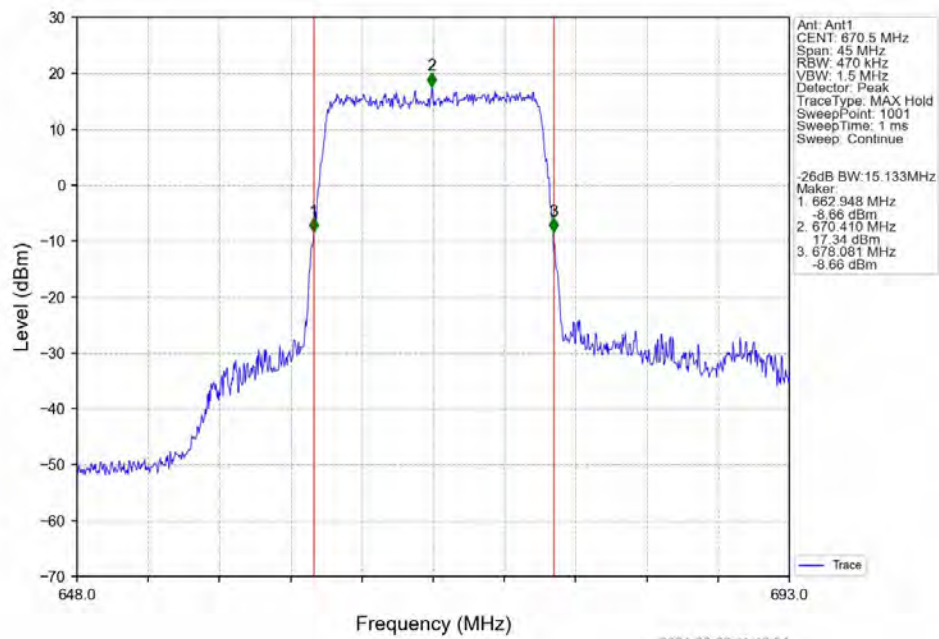
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



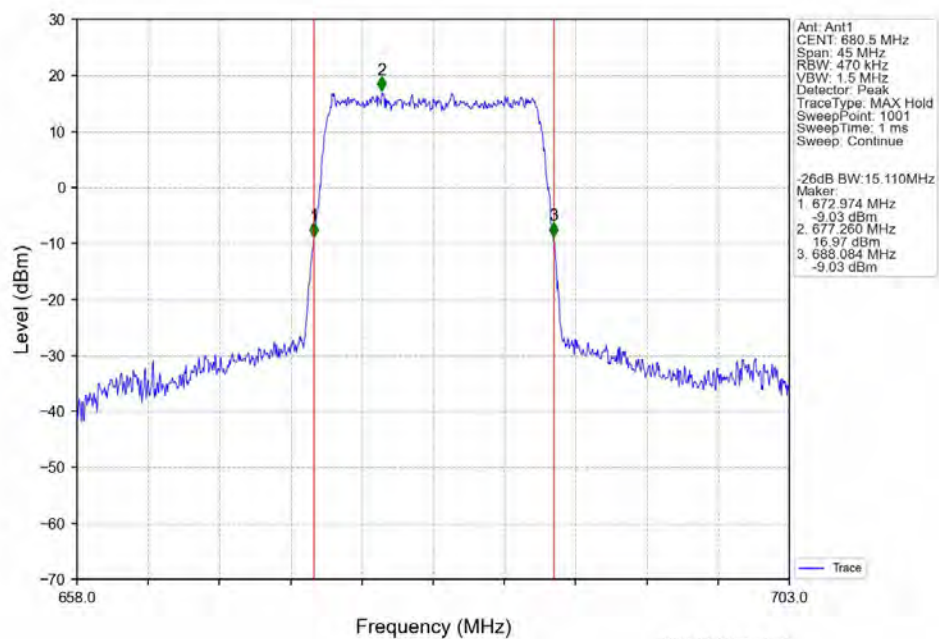
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



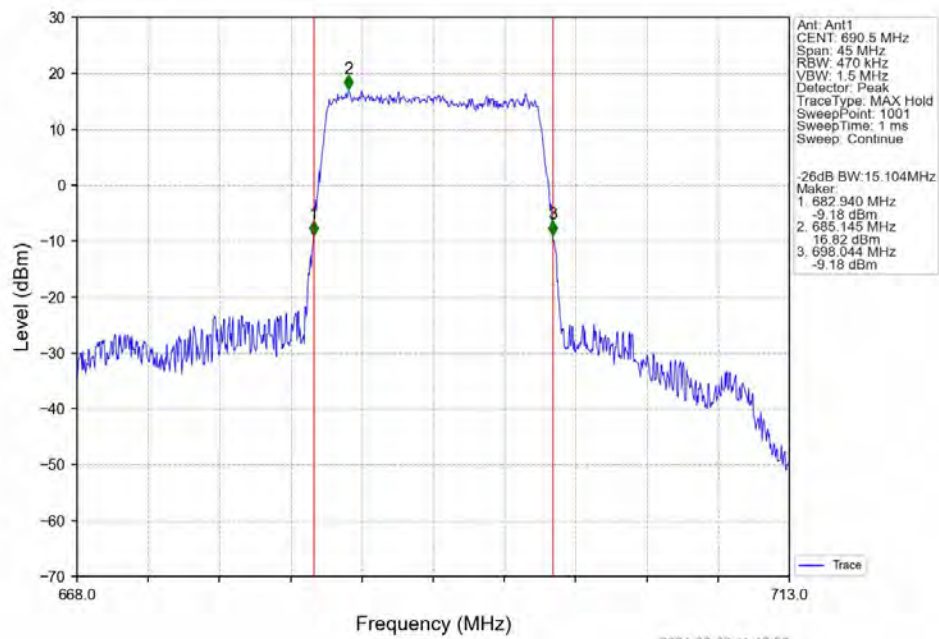
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



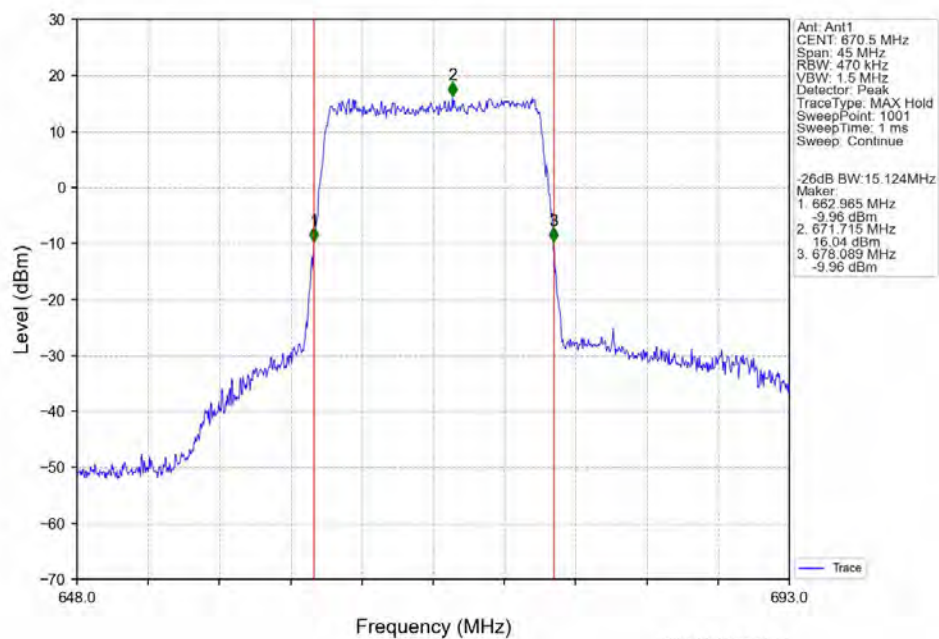
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



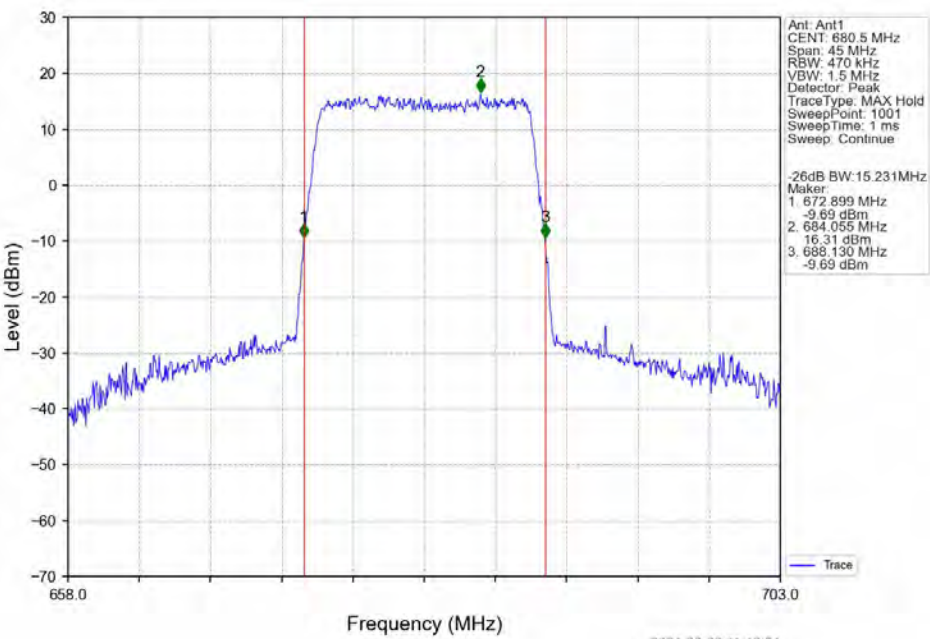
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



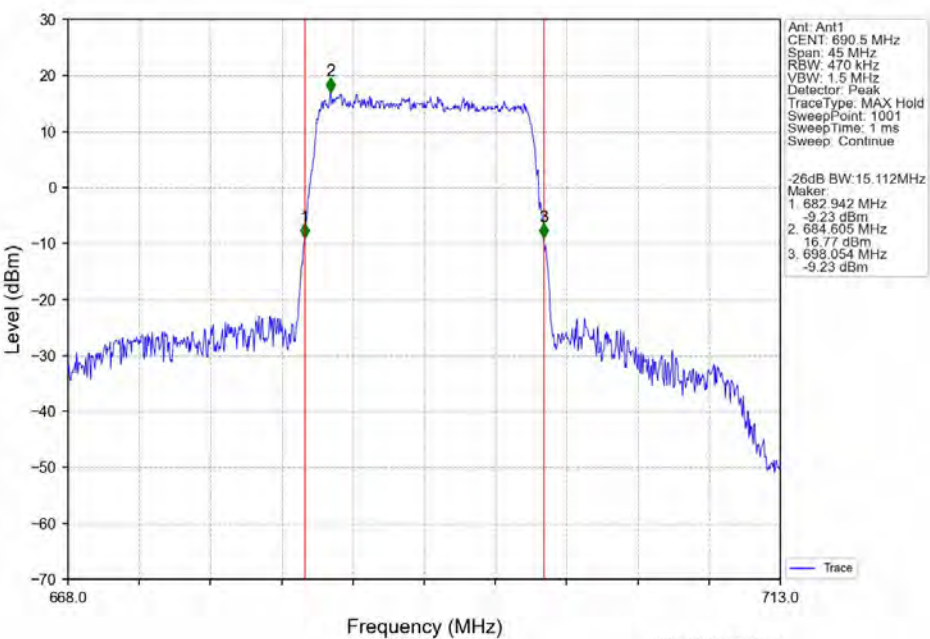
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



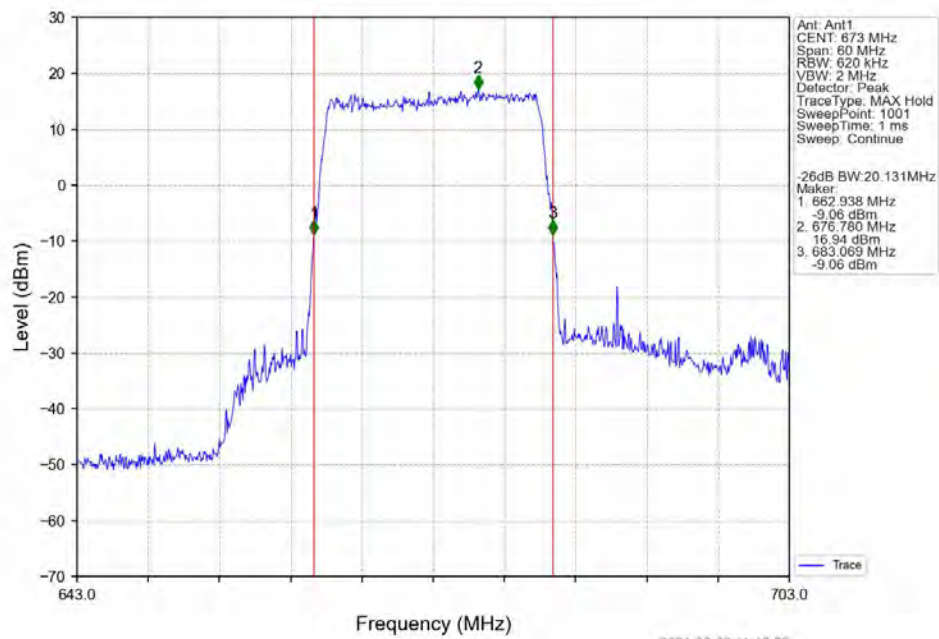
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



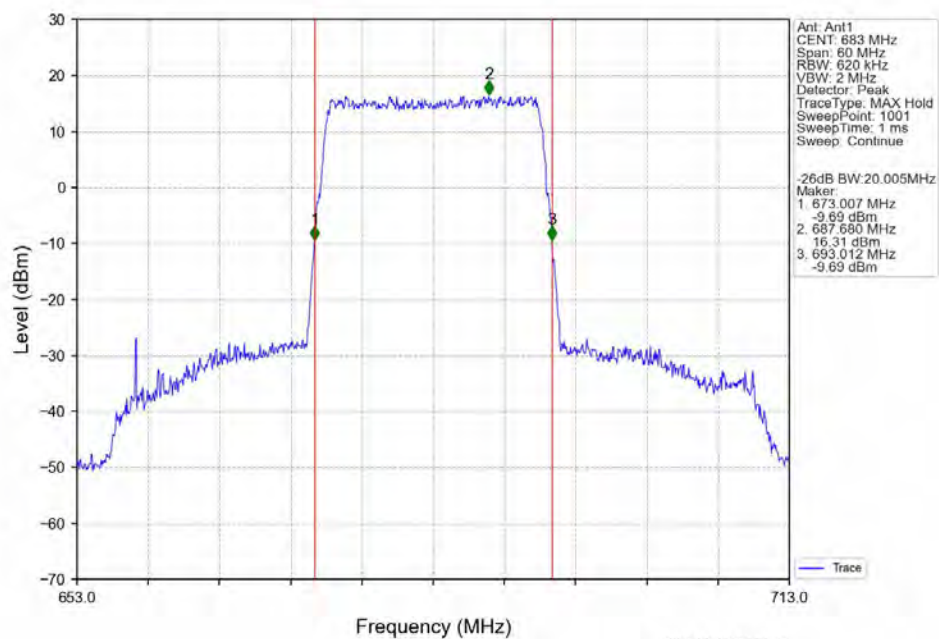
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



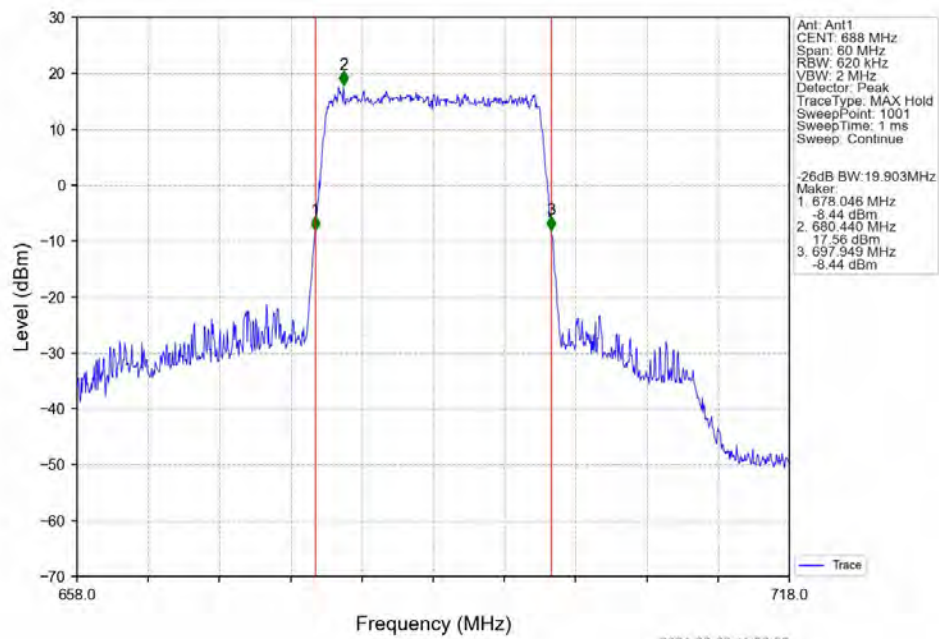
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



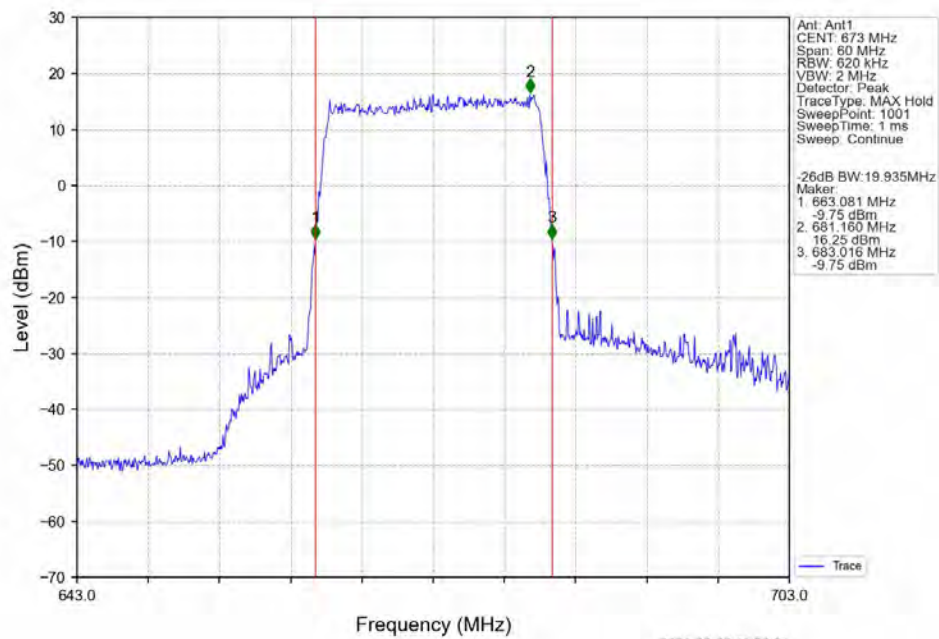
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



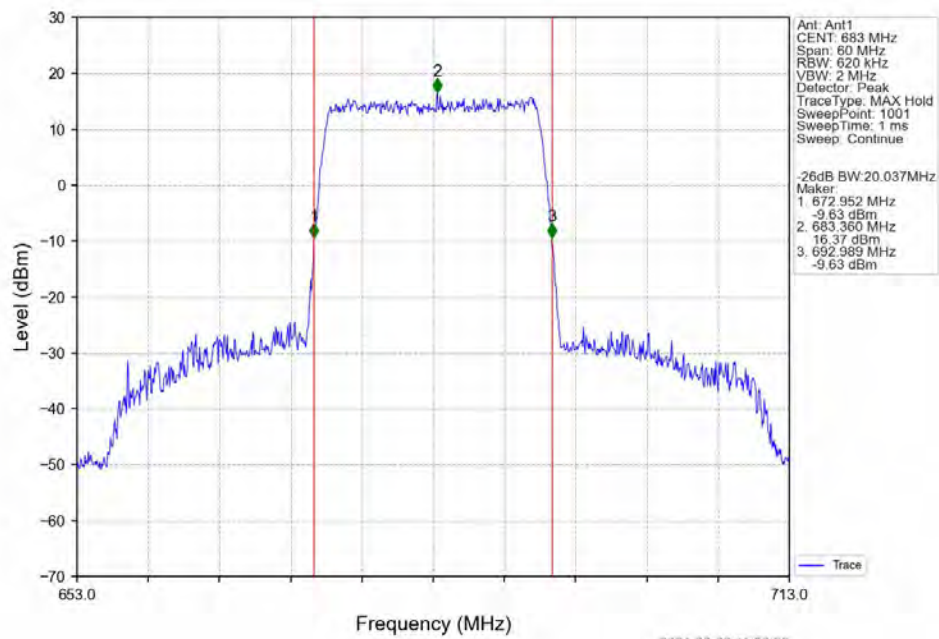
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



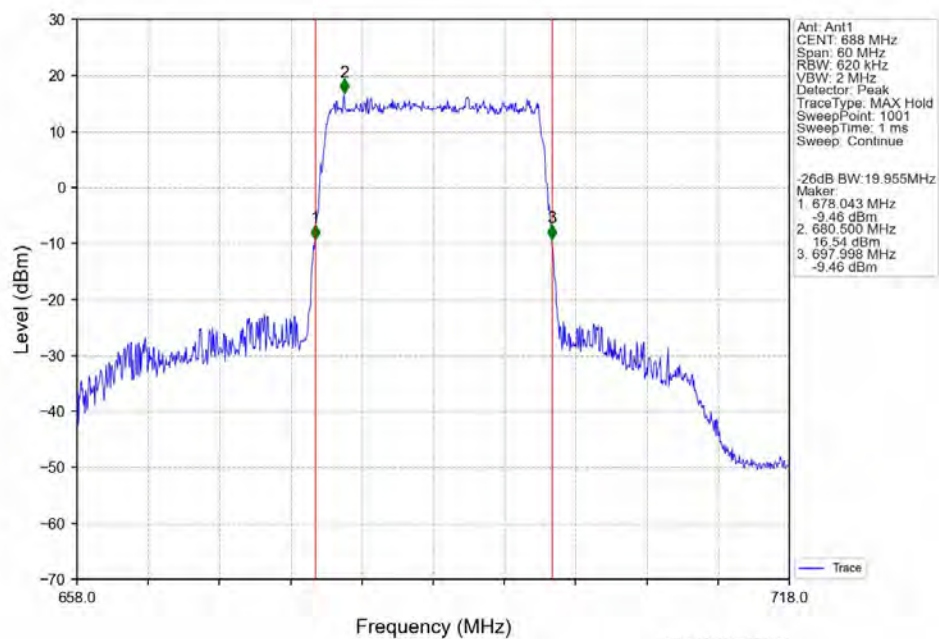
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.70	<=13	Pass
	680.5	25	0	5.83	<=13	Pass
	695.5	25	0	5.71	<=13	Pass
16QAM	665.5	25	0	6.42	<=13	Pass
	680.5	25	0	6.51	<=13	Pass
	695.5	25	0	6.50	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.78	<=13	Pass
	680.5	50	0	5.84	<=13	Pass
	693	50	0	5.78	<=13	Pass
16QAM	668	50	0	6.53	<=13	Pass
	680.5	50	0	6.60	<=13	Pass
	693	50	0	6.41	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	6.12	<=13	Pass
	680.5	75	0	6.14	<=13	Pass
	690.5	75	0	6.00	<=13	Pass
16QAM	670.5	75	0	6.59	<=13	Pass
	680.5	75	0	6.62	<=13	Pass
	690.5	75	0	6.45	<=13	Pass

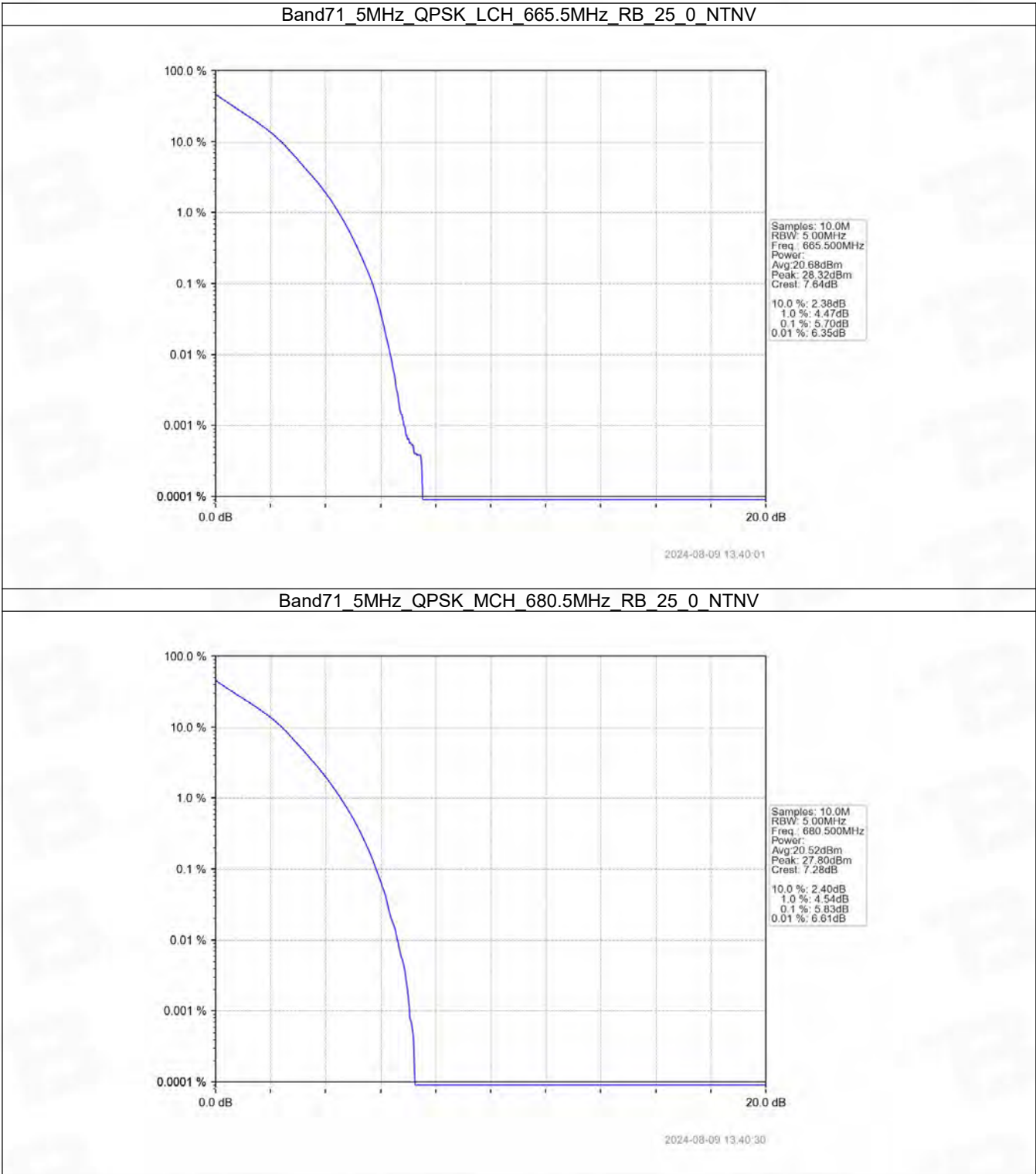
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.87	<=13	Pass
	683	100	0	5.83	<=13	Pass
	688	100	0	5.74	<=13	Pass
16QAM	673	100	0	6.55	<=13	Pass
	683	100	0	6.55	<=13	Pass

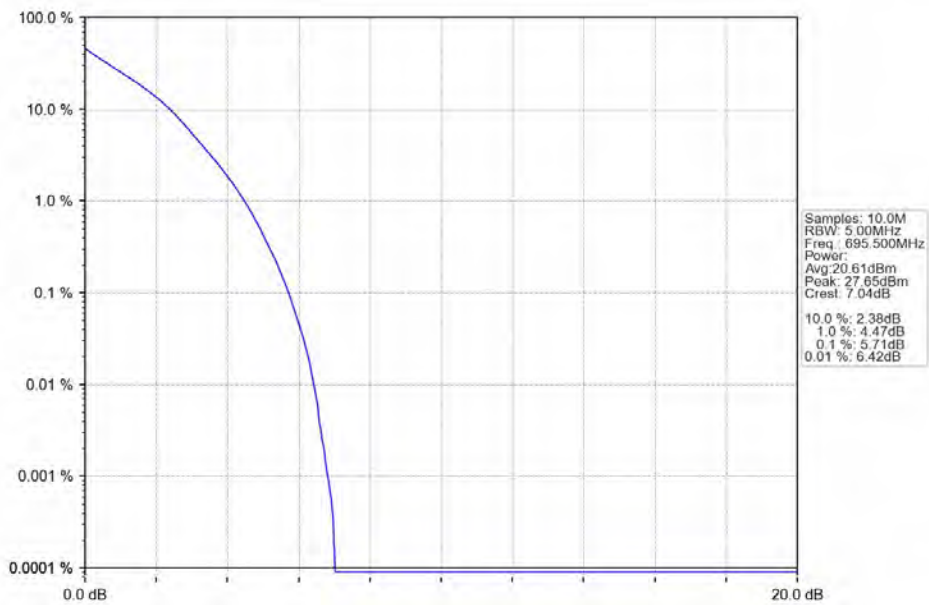
	688	100	0	6.52	<=13	Pass
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5.2 Test Graph

5.2.1 B71_5MHz

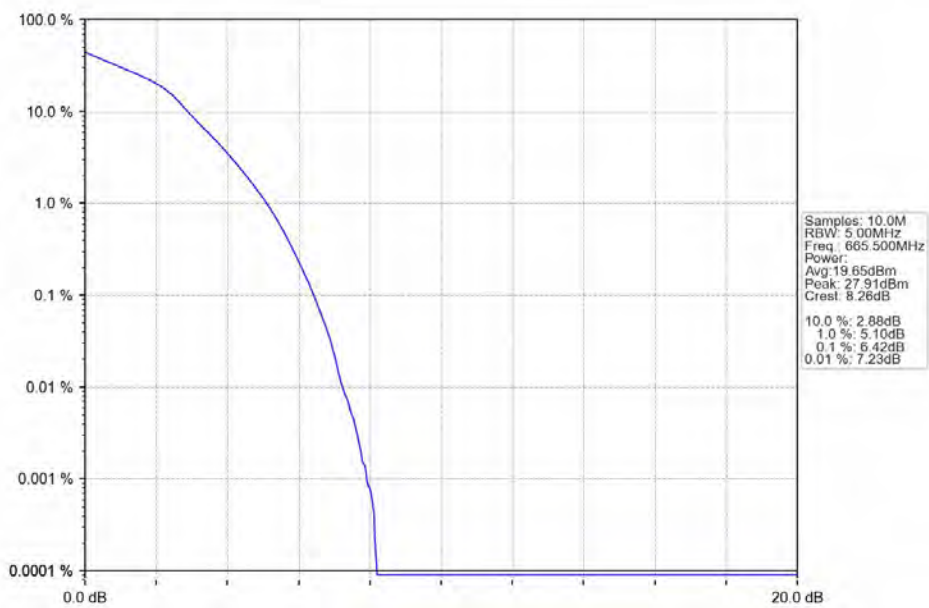


Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



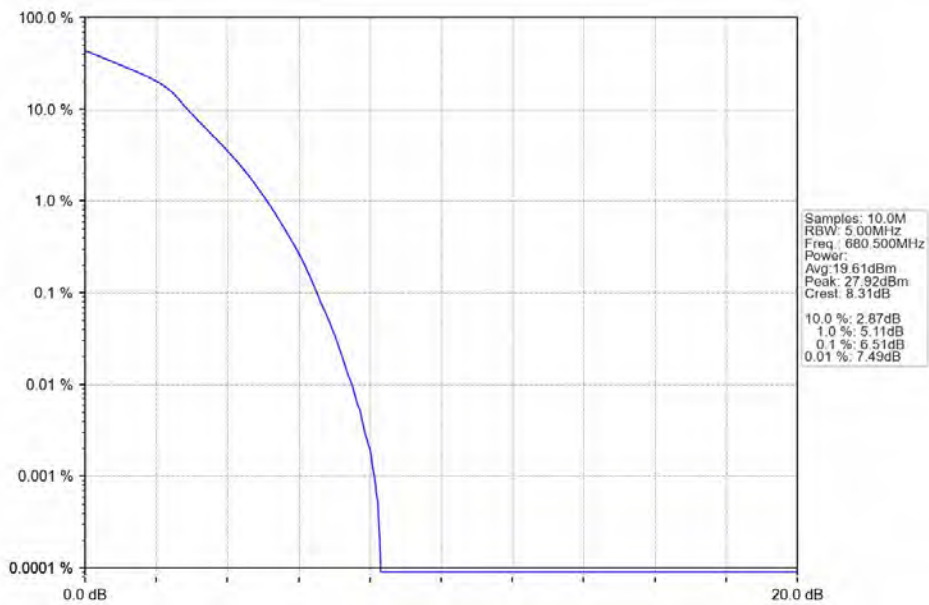
2024-08-09 13:40:59

Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



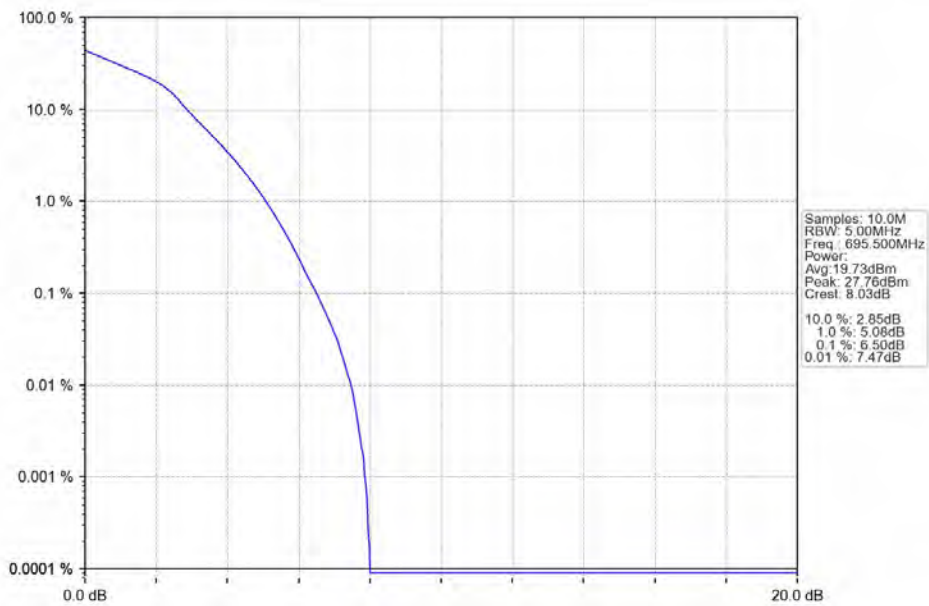
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Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



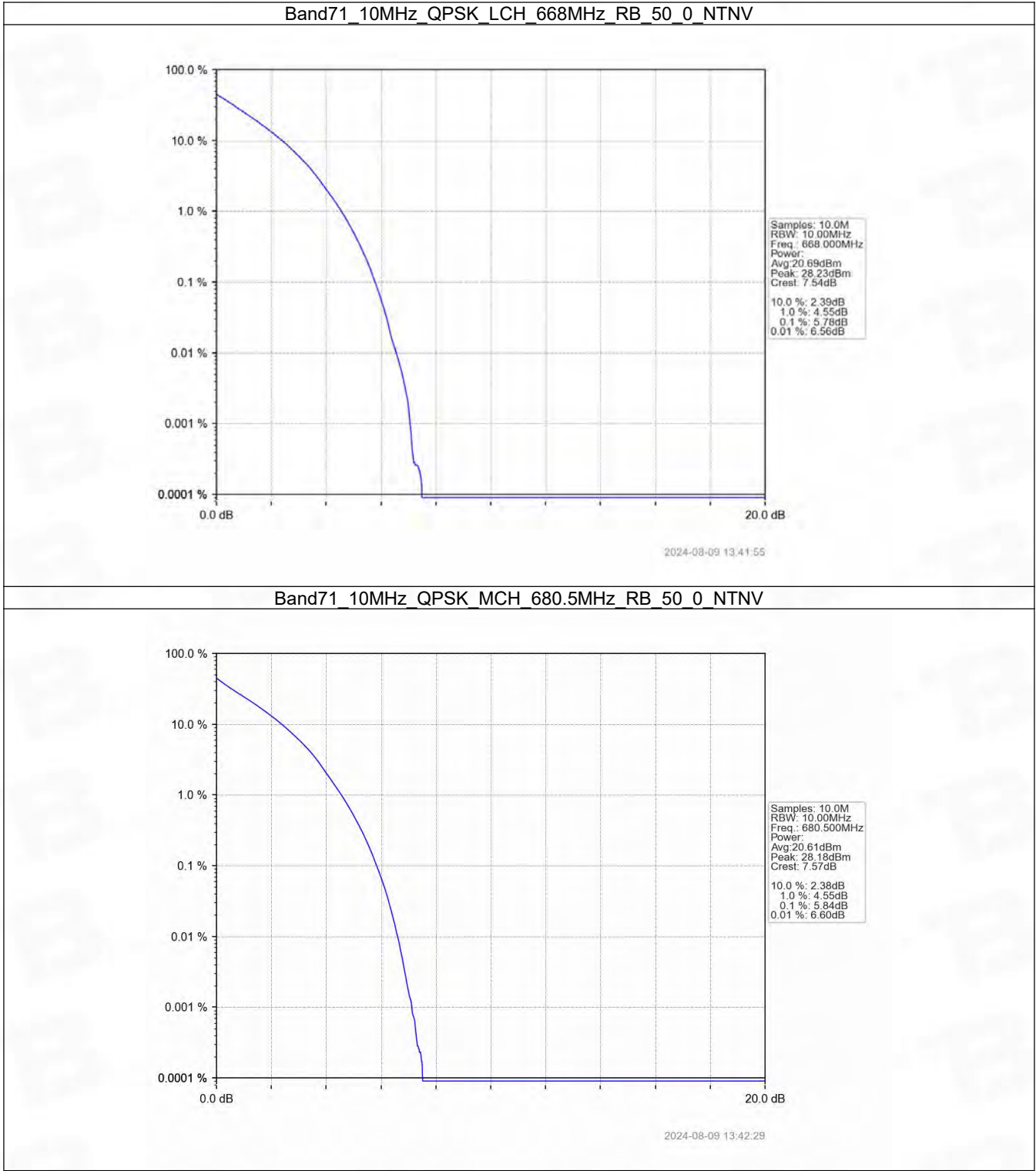
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Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

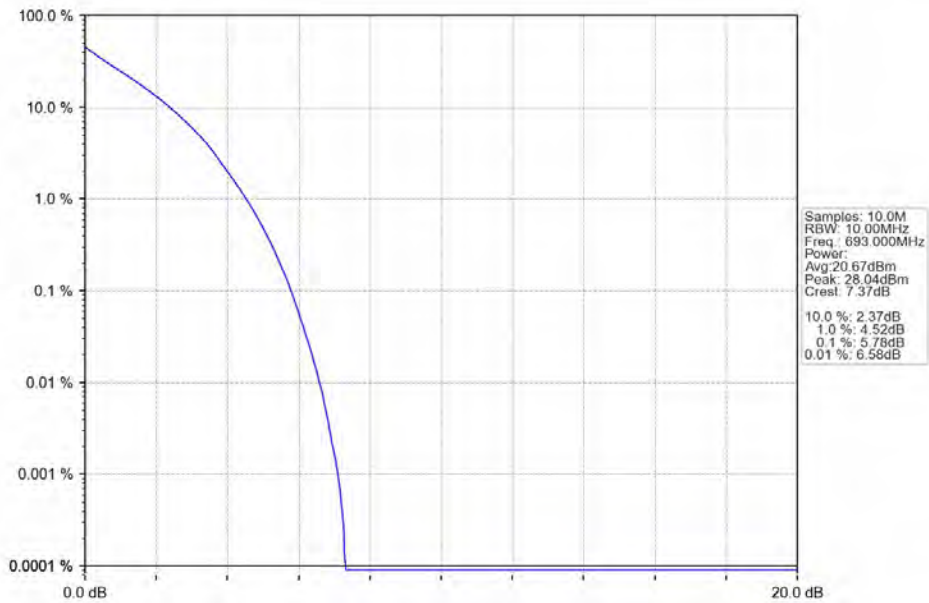


2024-08-09 13:41:12

5.2.2 B71_10MHz

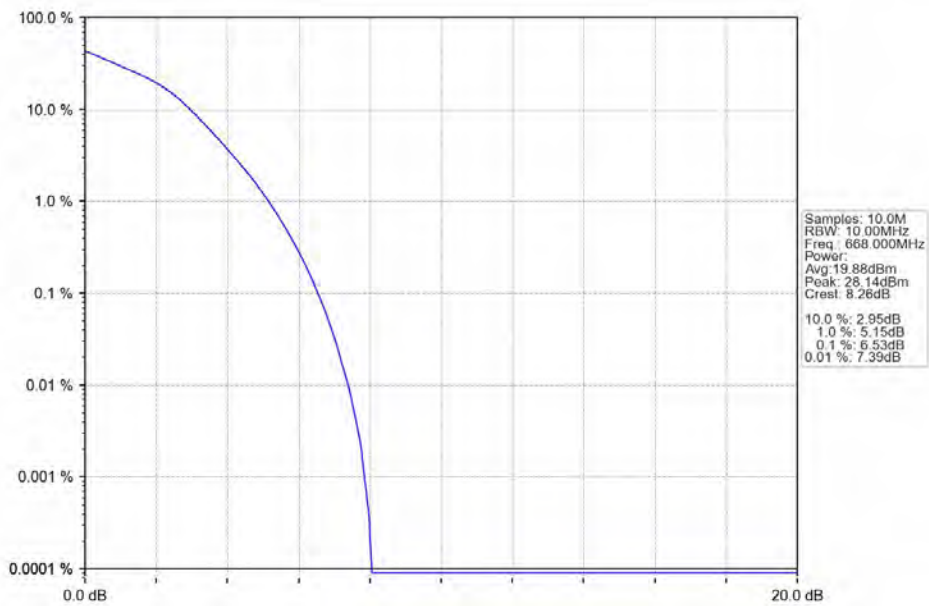


Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



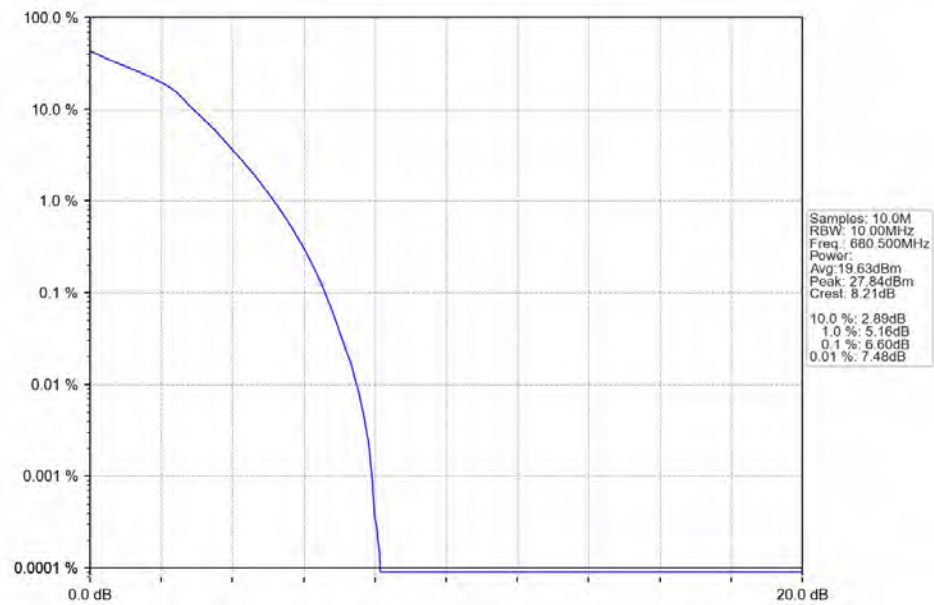
2024-08-09 13:43:02

Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



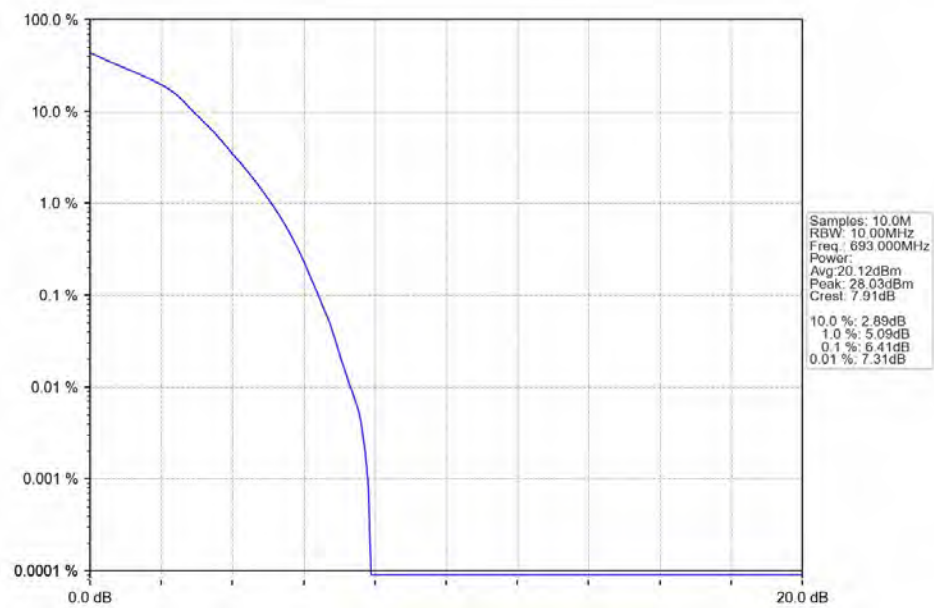
2024-08-09 13:42:11

Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



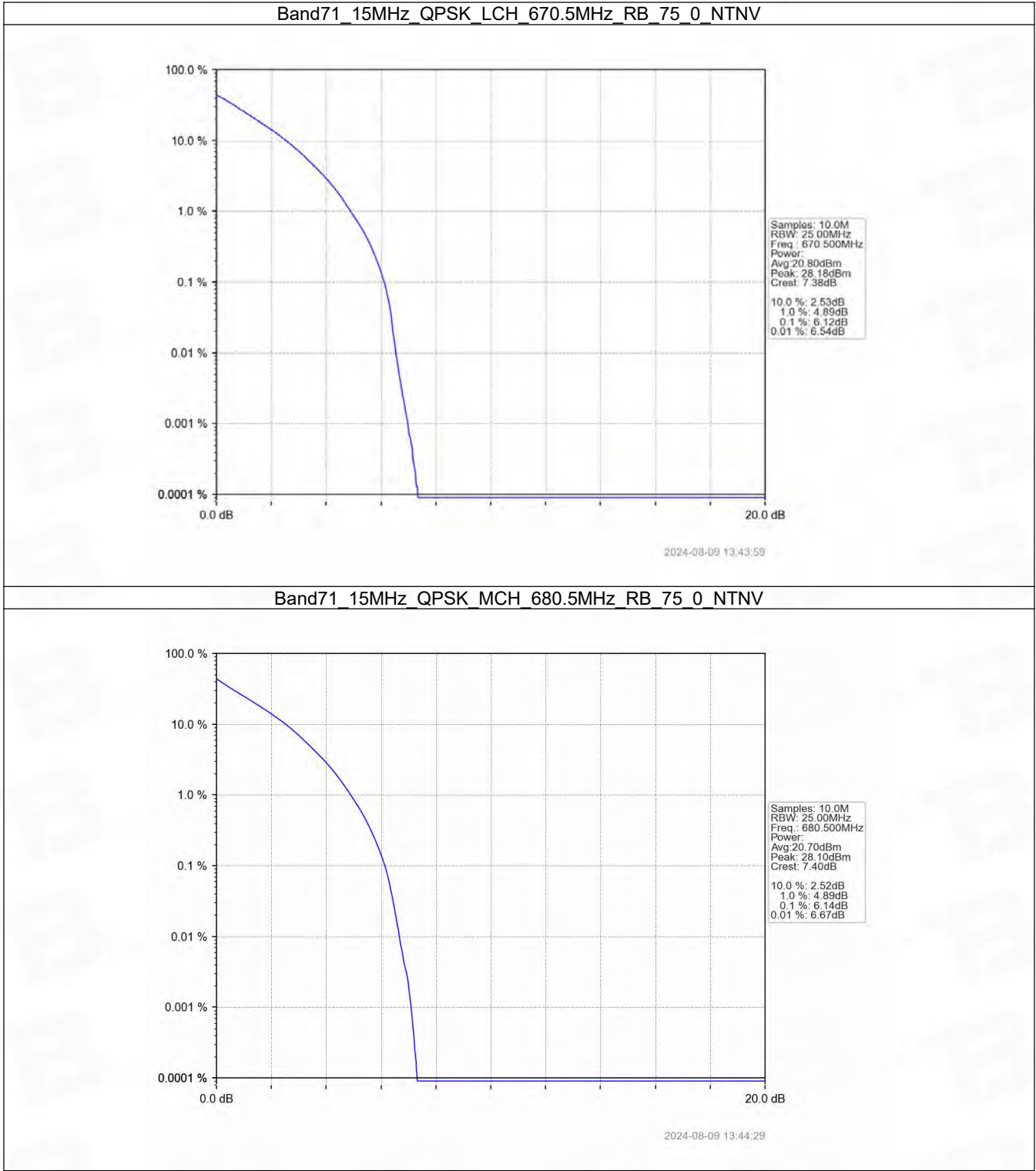
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Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV

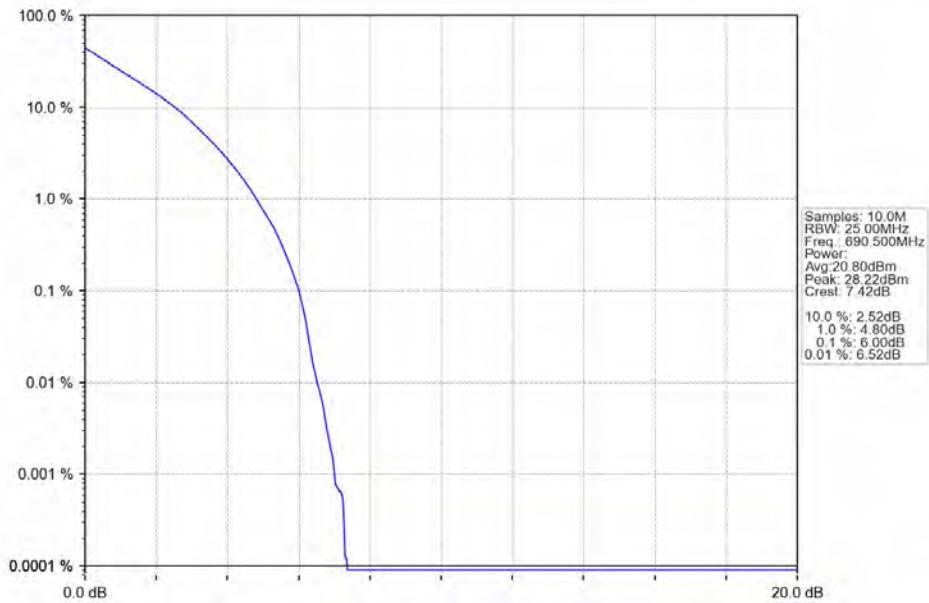


2024-08-09 13:43:18

5.2.3 B71_15MHz

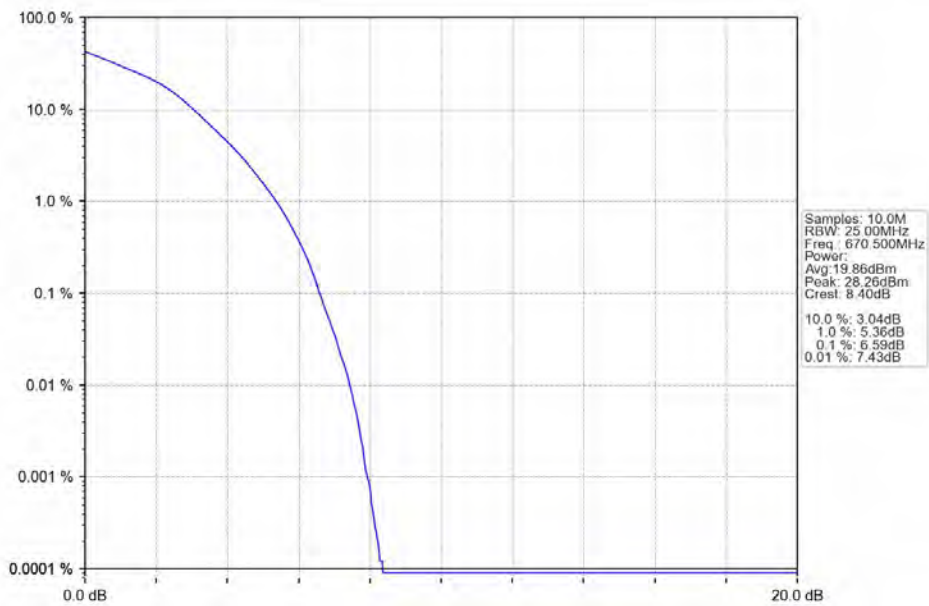


Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



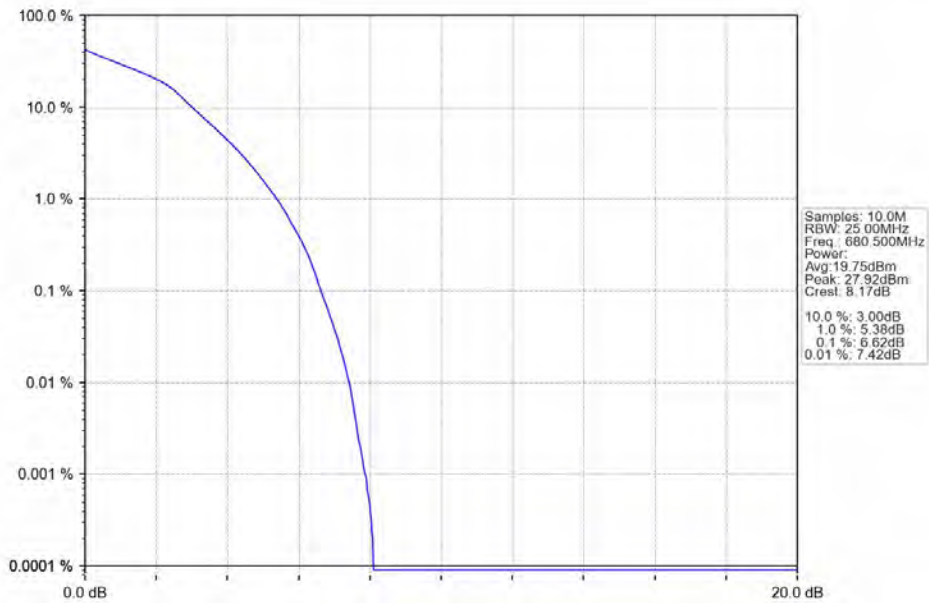
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Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



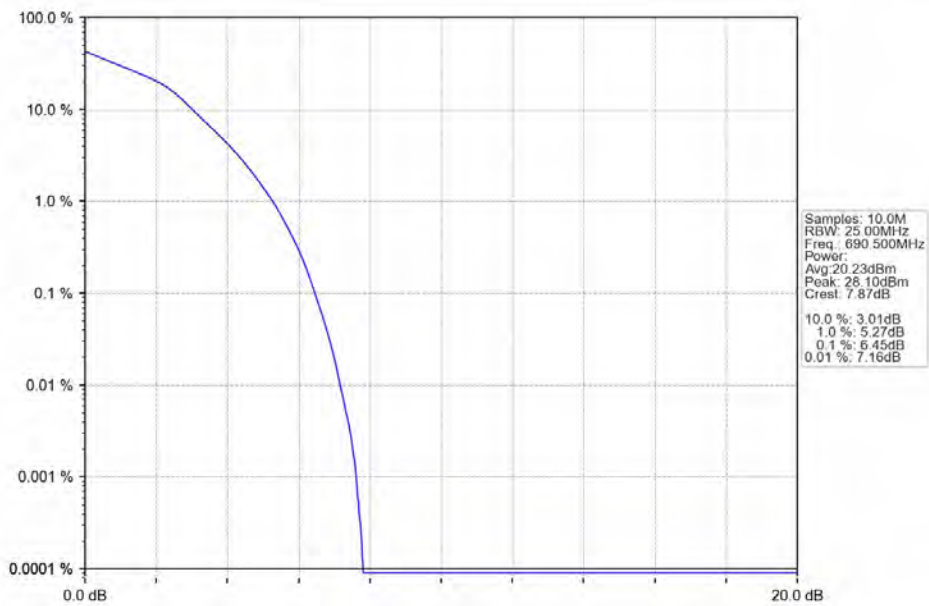
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Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



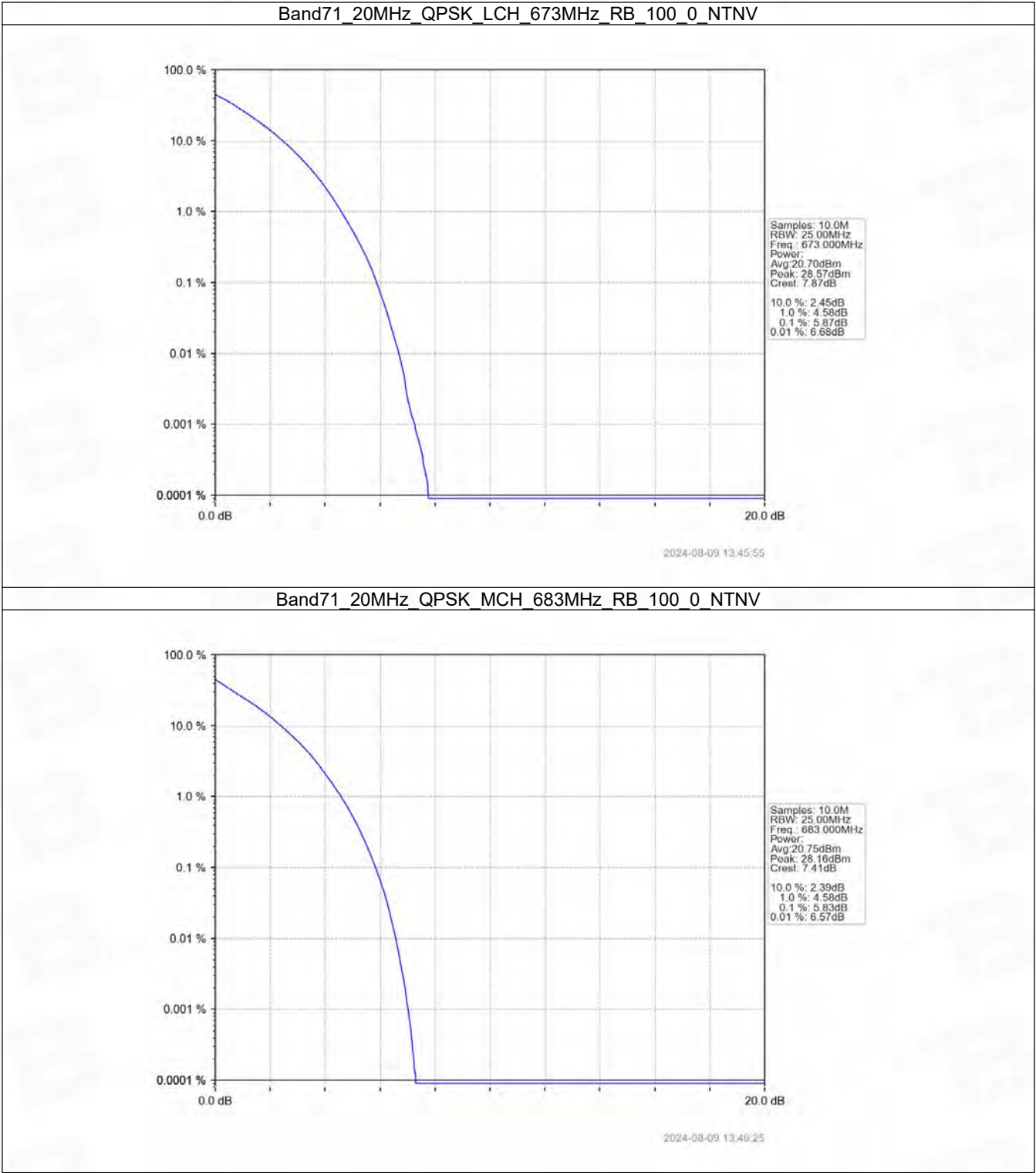
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Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

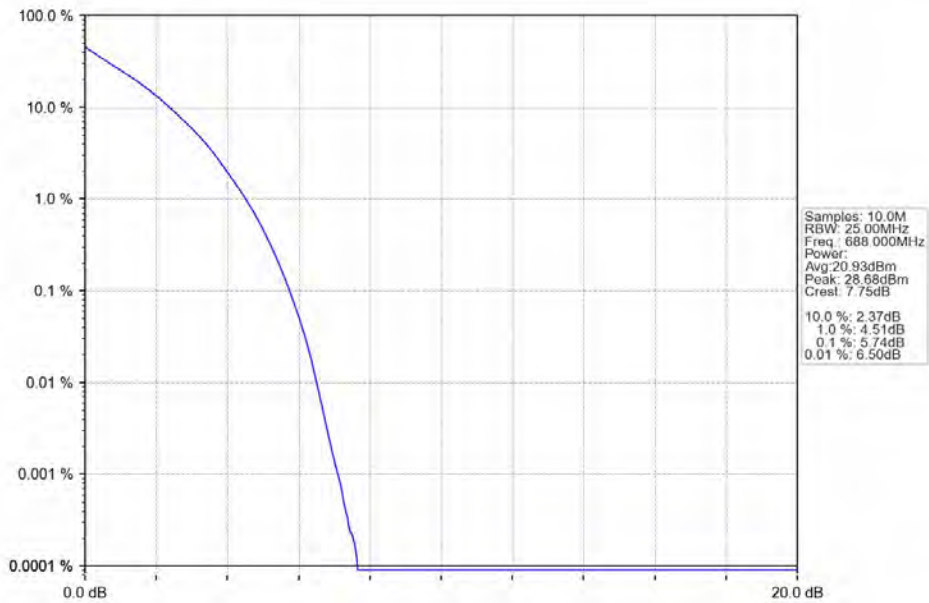


2024-08-09 13:45:13

5.2.4 B71_20MHz

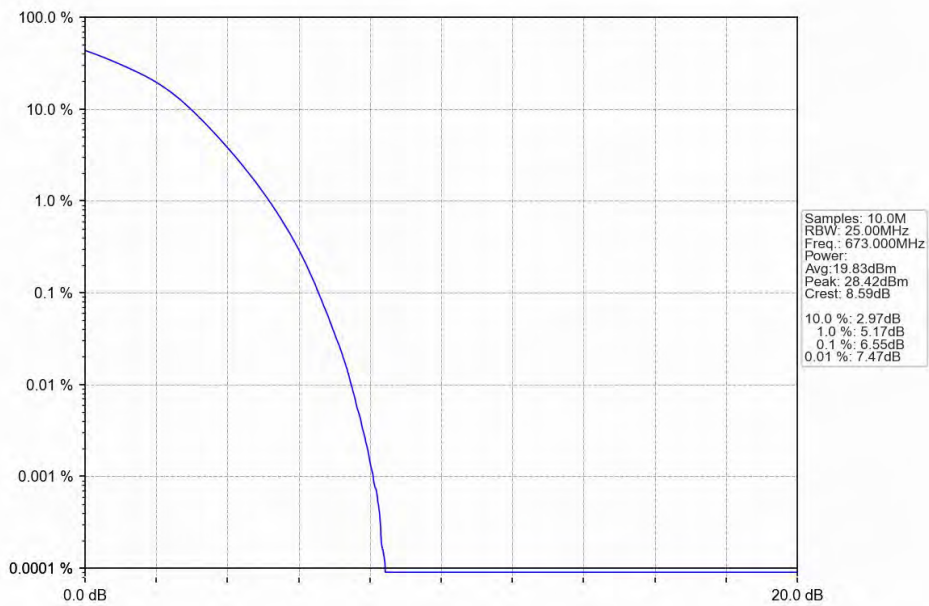


Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV

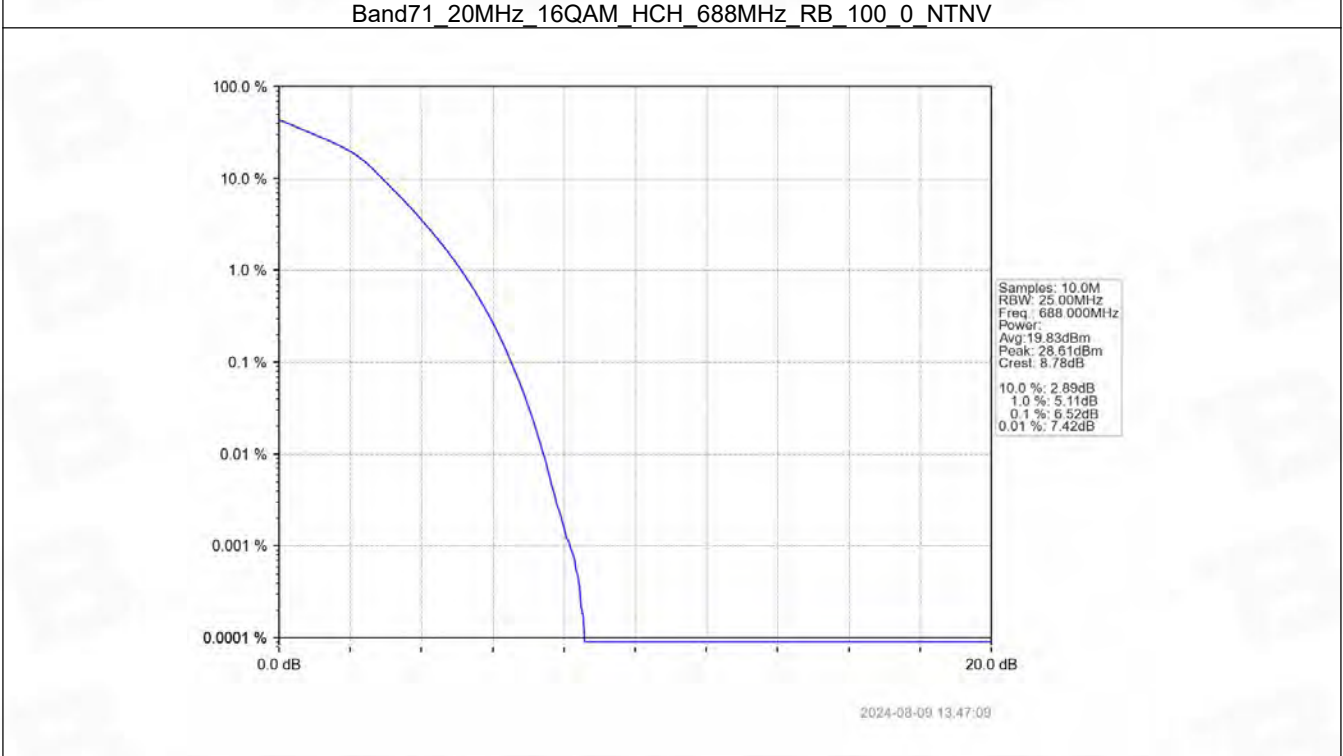
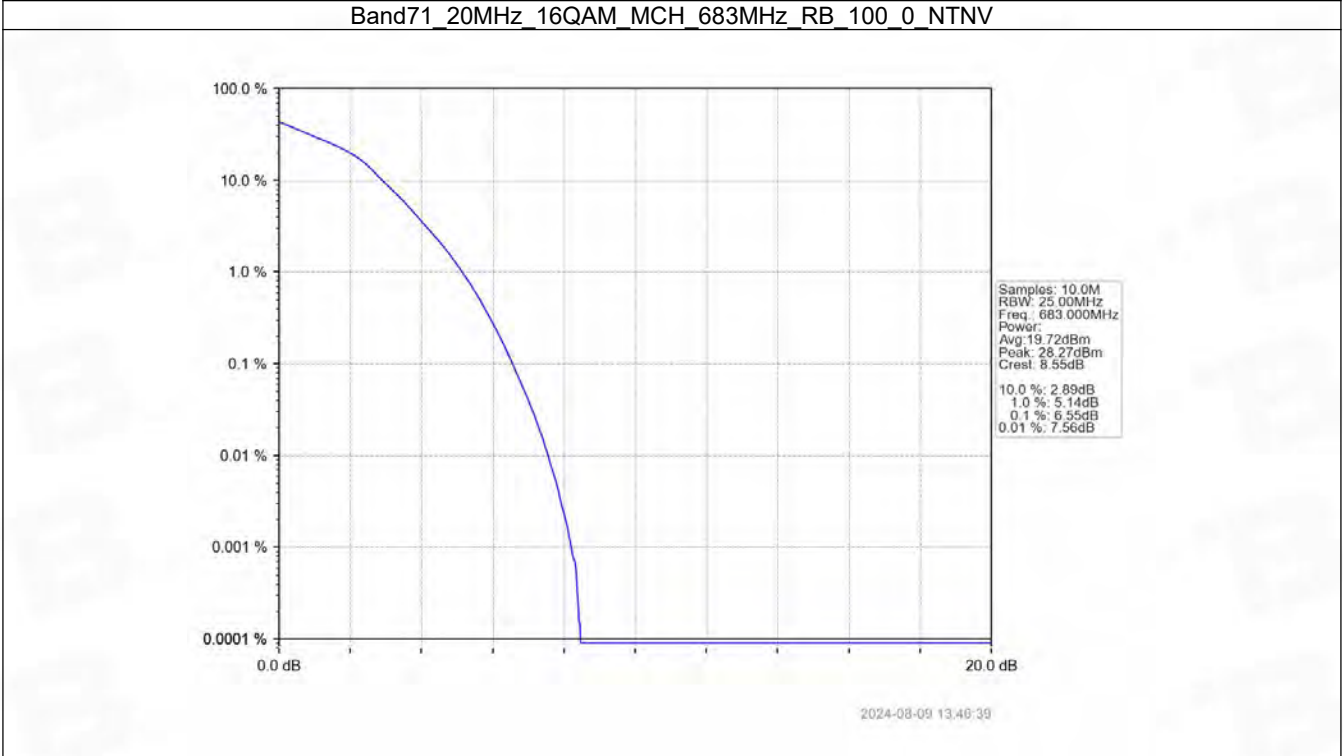


2024-08-09 13:46:55

Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



2024-08-09 13:46:09



6. Spurious Emission

6.1 Test Result

6.1.1 B71_5MHz

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 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B71_15MHz

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		Pass
		75	0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass

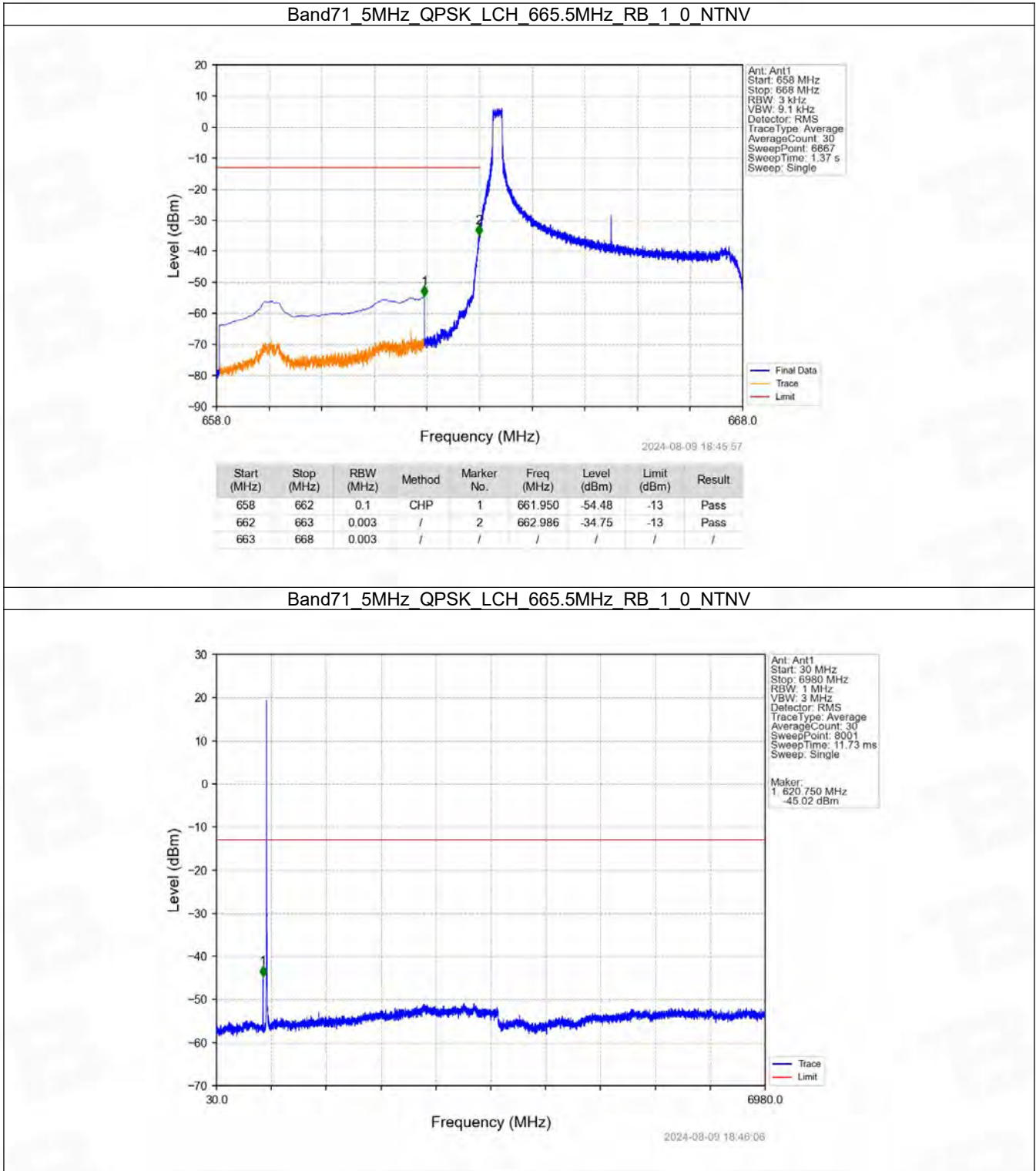
	680.5	75	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	690.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

6.1.4 B71_20MHz

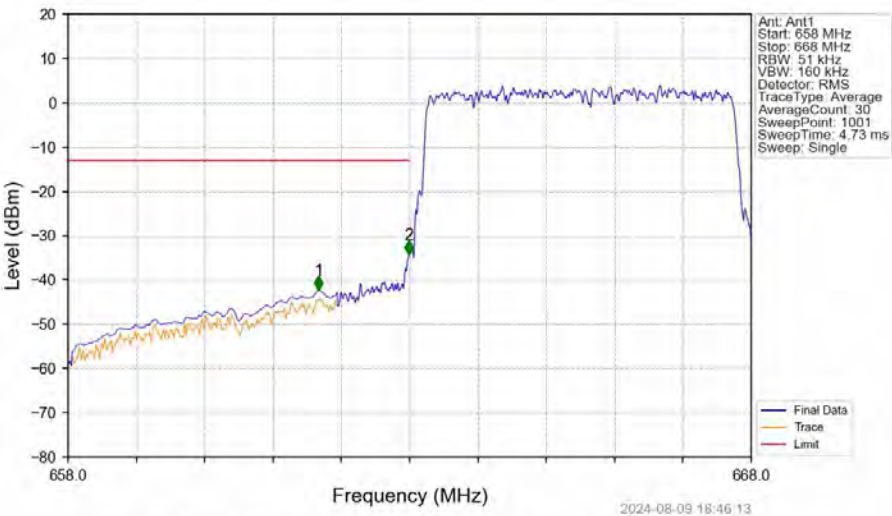
Band: 71 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

6.2 Test Graph

6.2.1 B71_5MHz

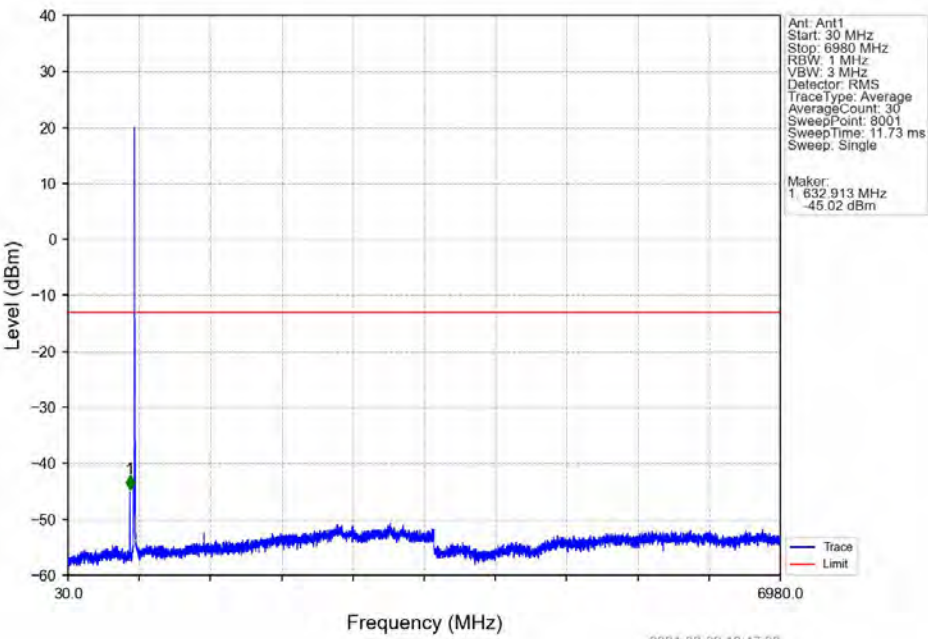


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

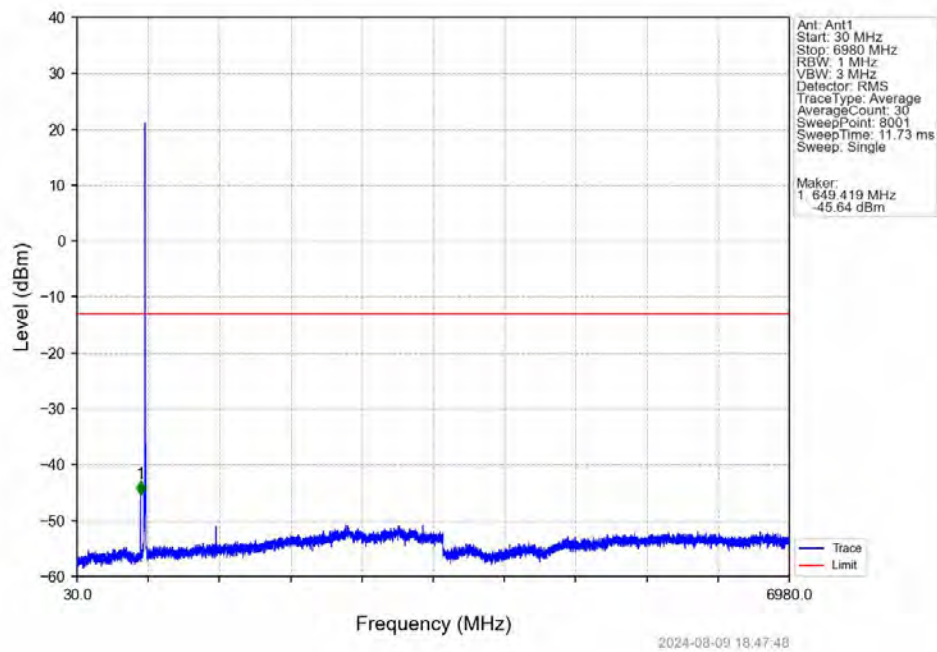


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.670	-42.31	-13	Pass
662	663	0.051	/	2	662.990	-34.30	-13	Pass
663	668	0.051	/	/	/	/	/	/

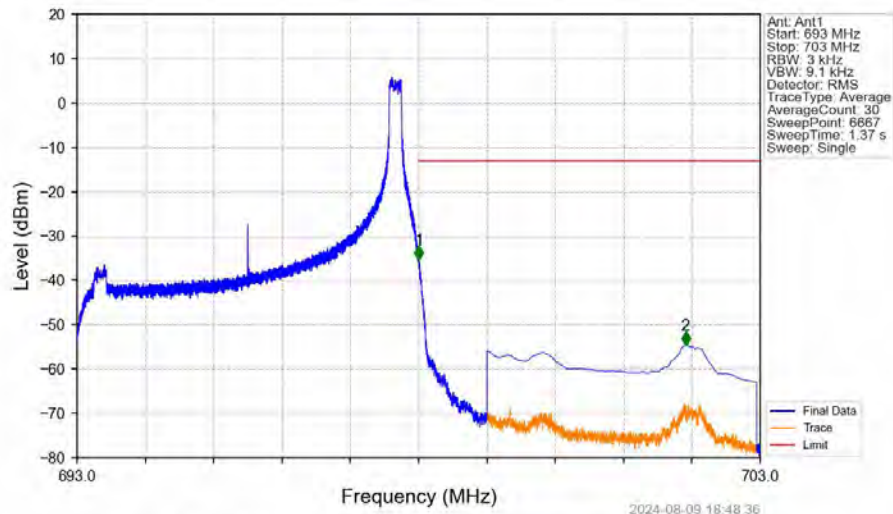
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

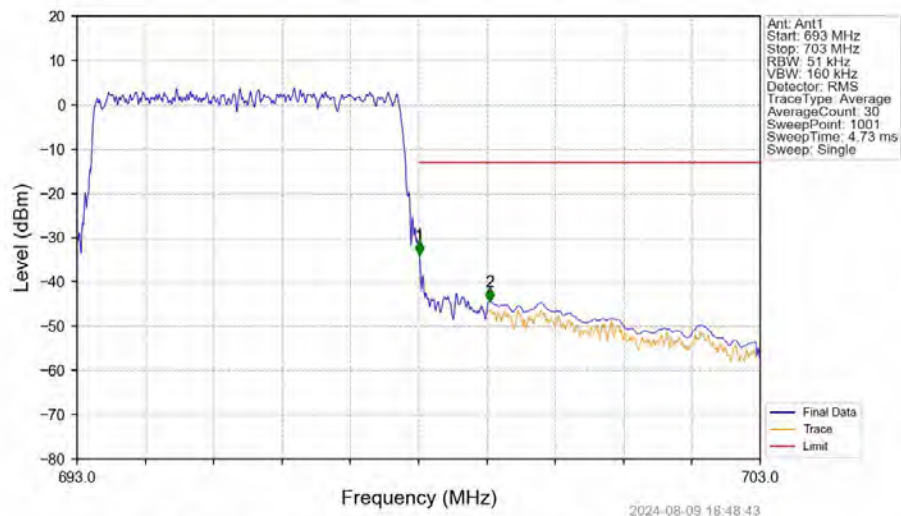


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



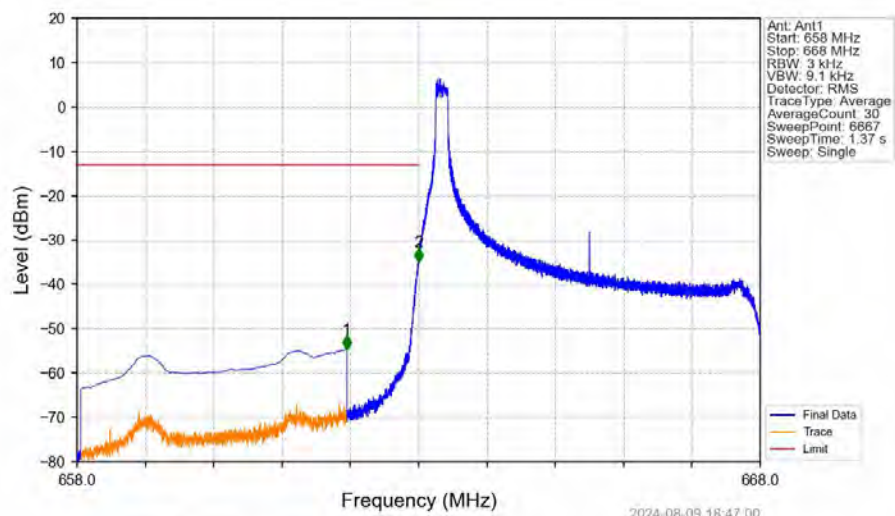
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-35.39	-13	Pass
699	703	0.1	CHP	2	701.908	-54.57	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



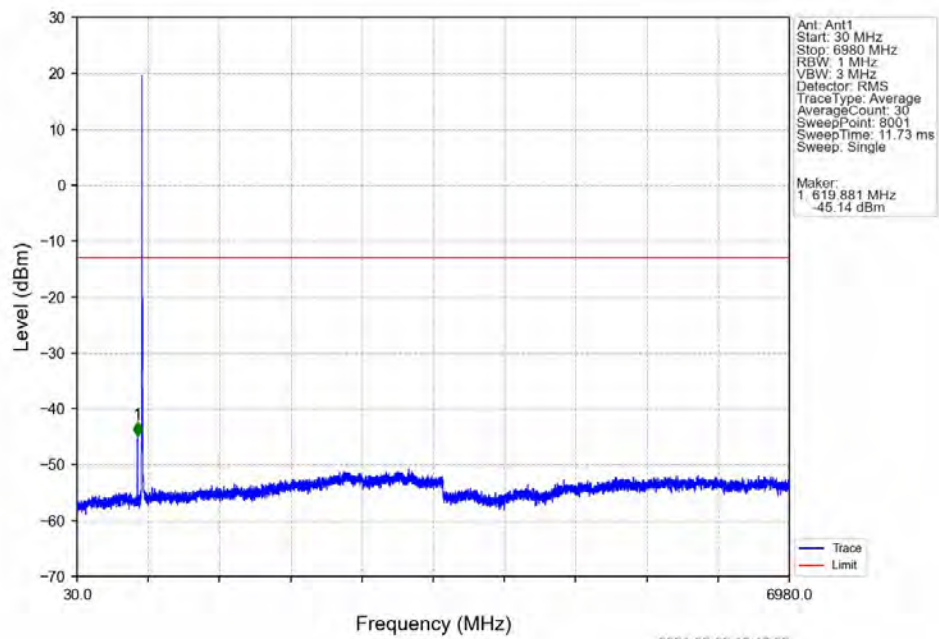
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.010	-33.84	-13	Pass
699	703	0.1	CHP	2	699.040	-44.49	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

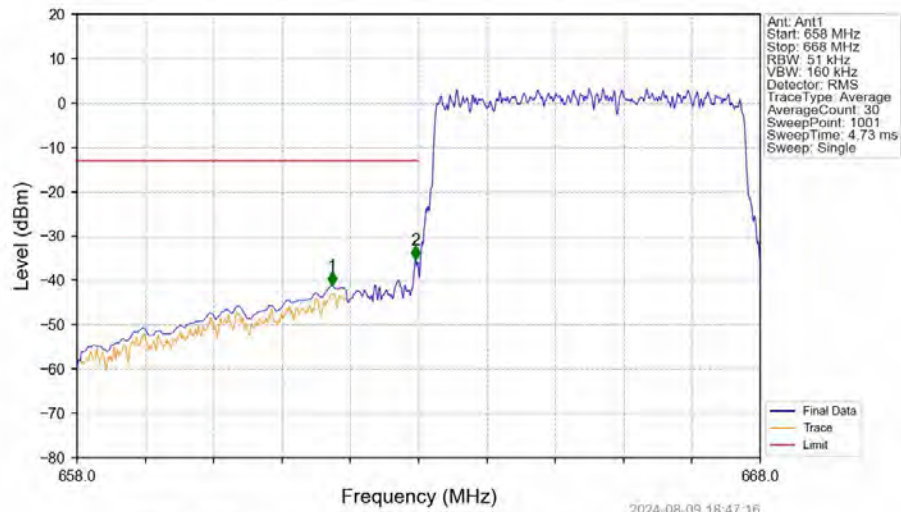


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.948	-54.59	-13	Pass
662	663	0.003	/	2	662.999	-34.98	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

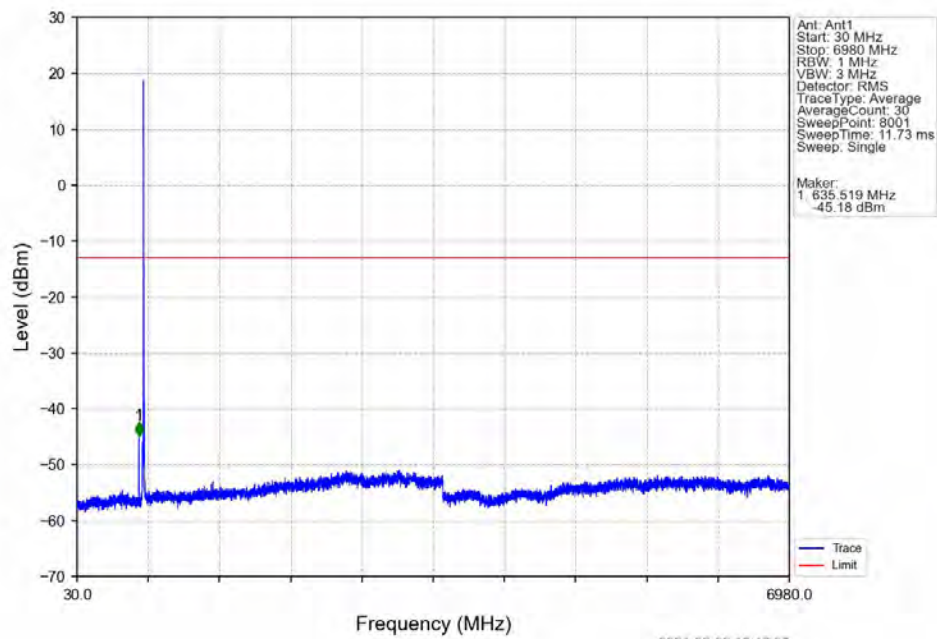


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

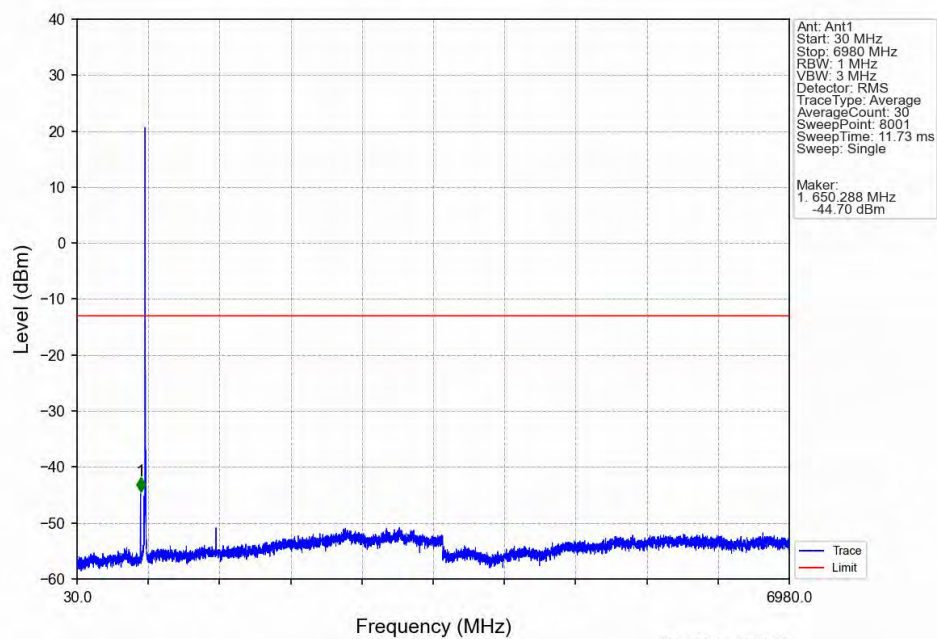


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.730	-41.21	-13	Pass
662	663	0.051	/	2	662.950	-35.40	-13	Pass
663	668	0.051	/	/	/	/	/	/

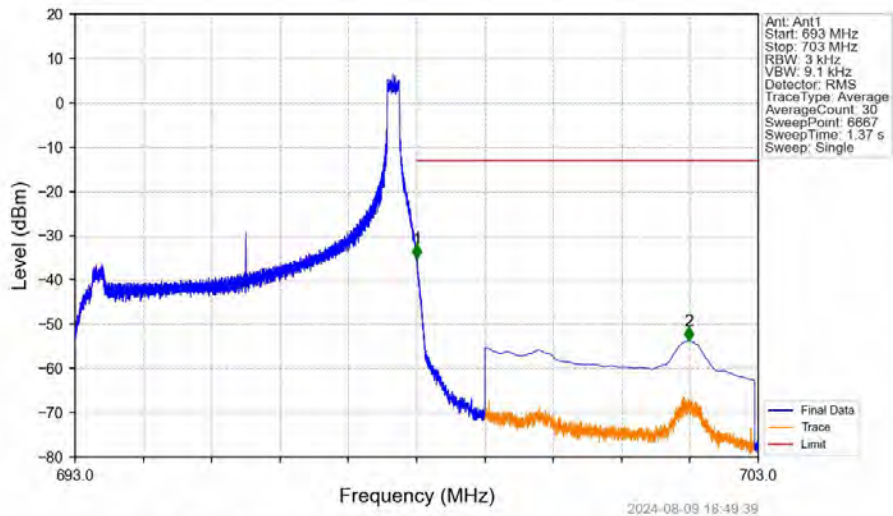
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV

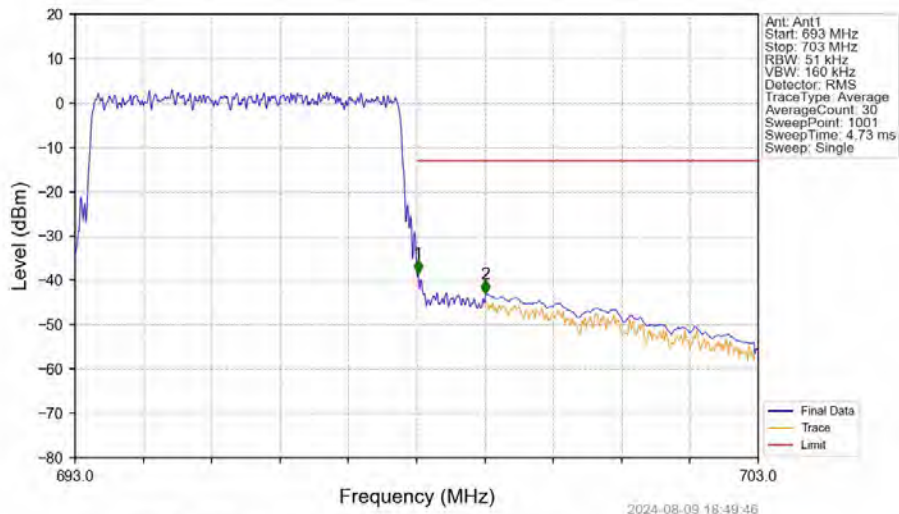


Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



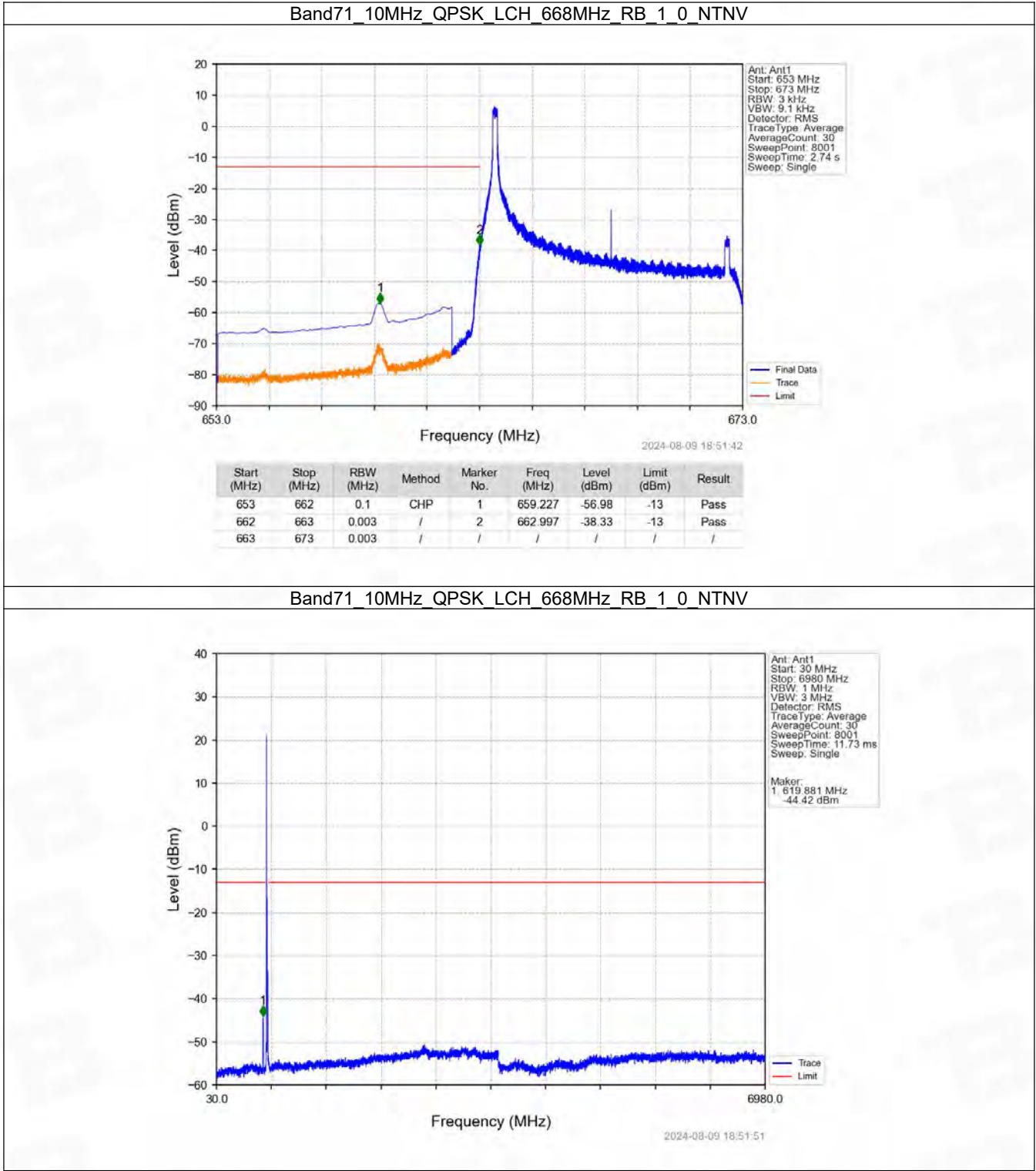
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-35.20	-13	Pass
699	703	0.1	CHP	2	701.986	-53.74	-13	Pass

Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

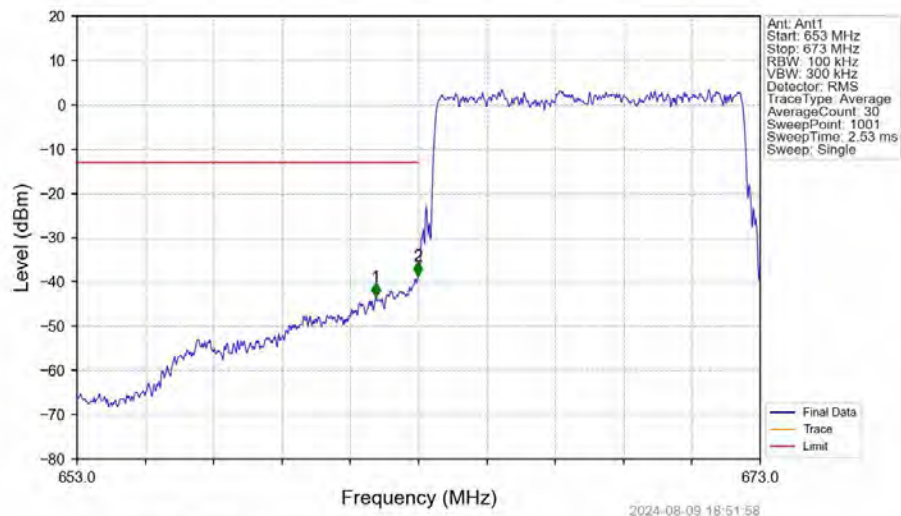


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.020	-38.46	-13	Pass
699	703	0.1	CHP	2	699.010	-42.89	-13	Pass

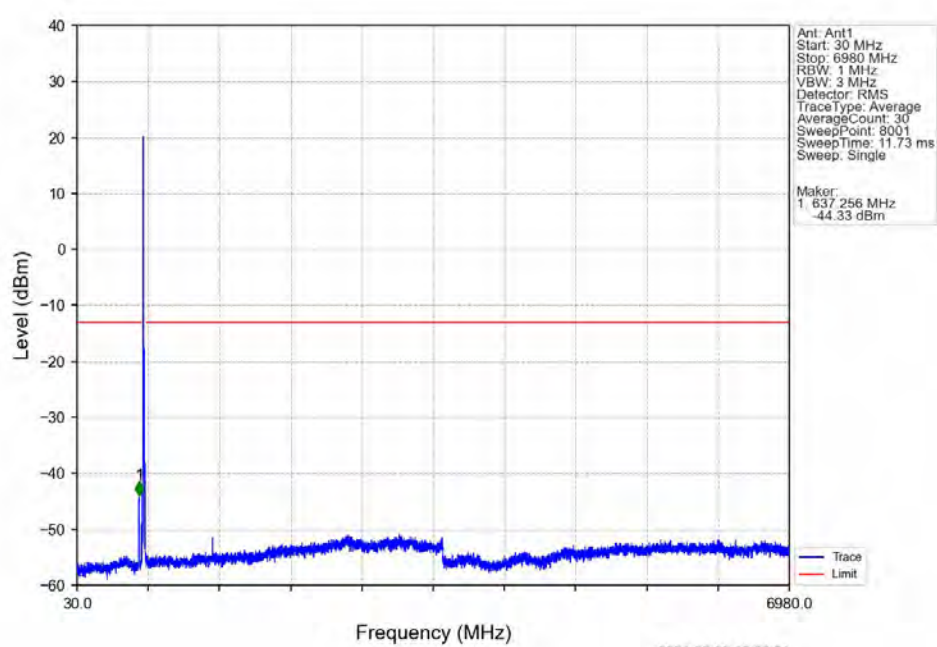
6.2.2 B71_10MHz



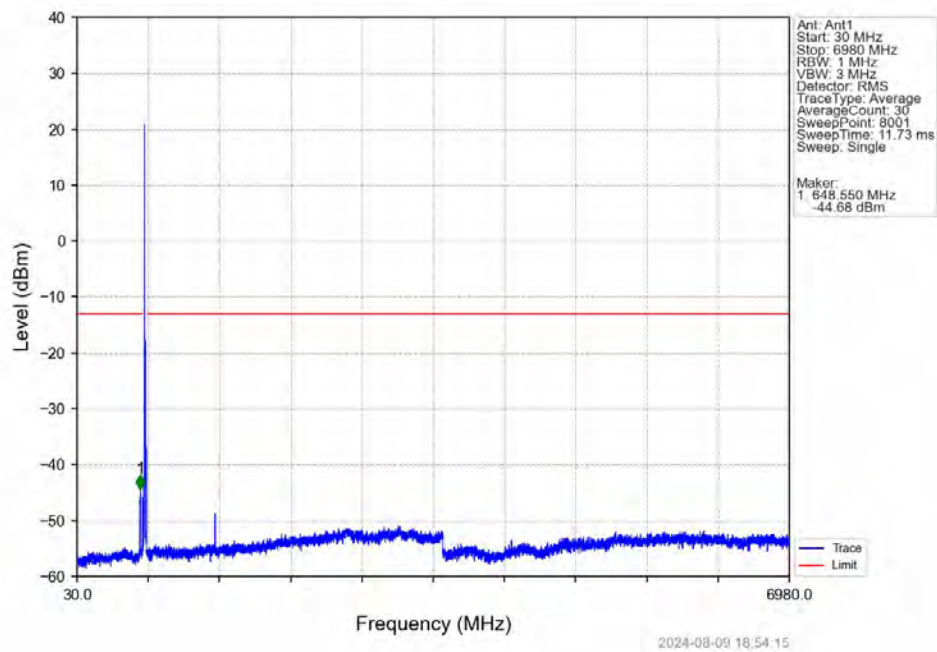
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



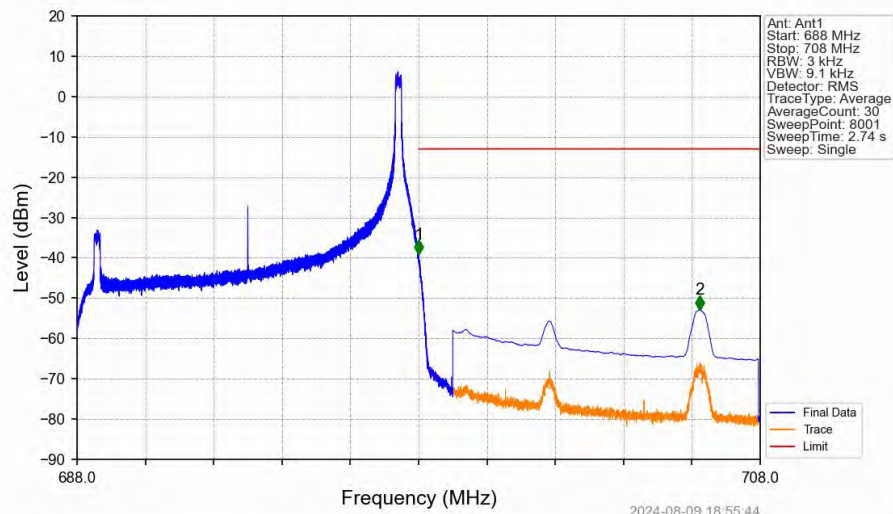
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

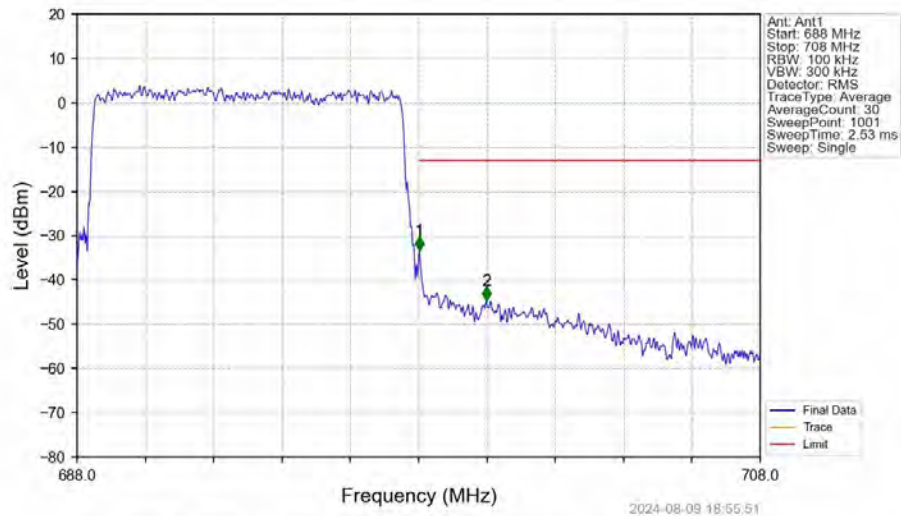


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



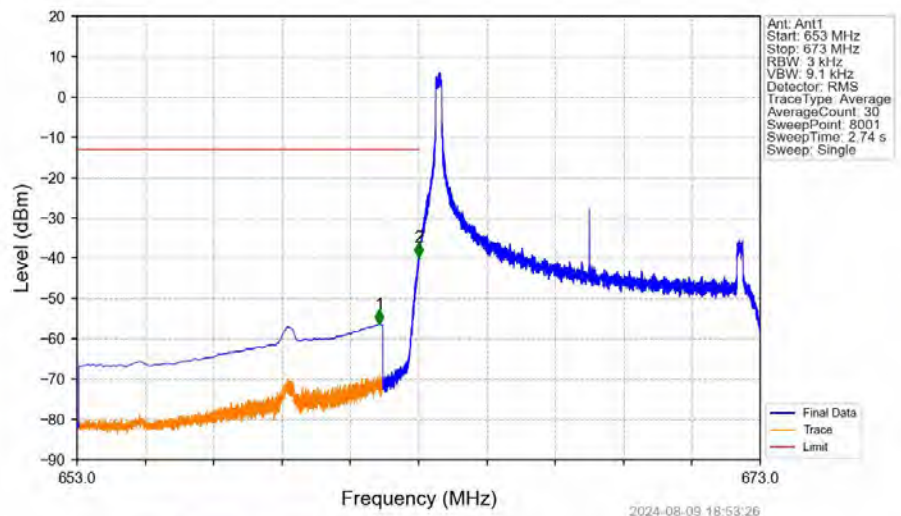
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.010	-39.11	-13	Pass
699	708	0.1	CHP	2	706.235	-52.77	-13	Pass

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



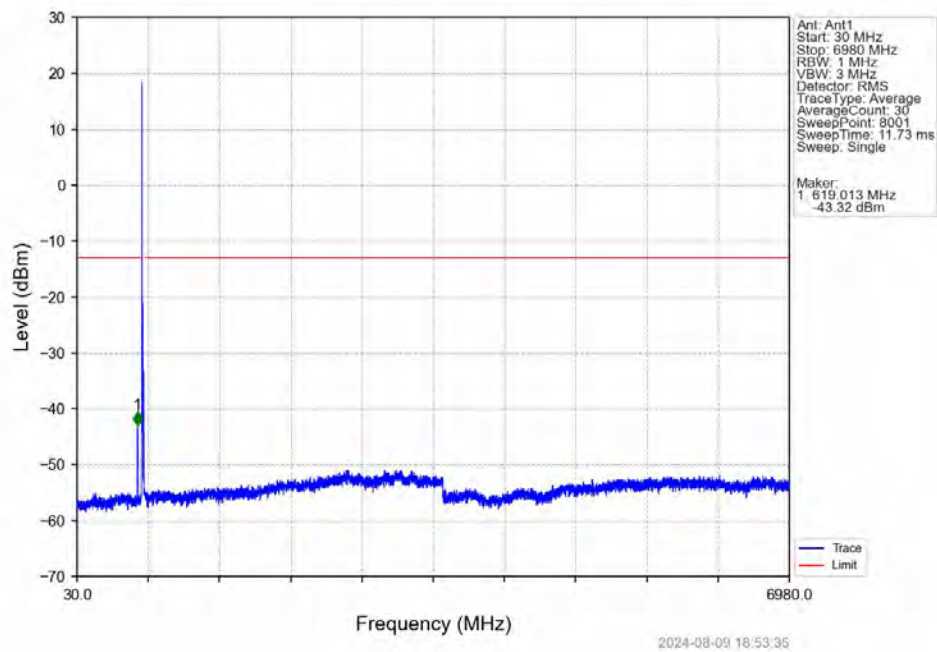
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	699	0.1	/	1	698.020	-33.35	-13	Pass
699	708	0.1	/	2	699.980	-44.58	-13	Pass

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

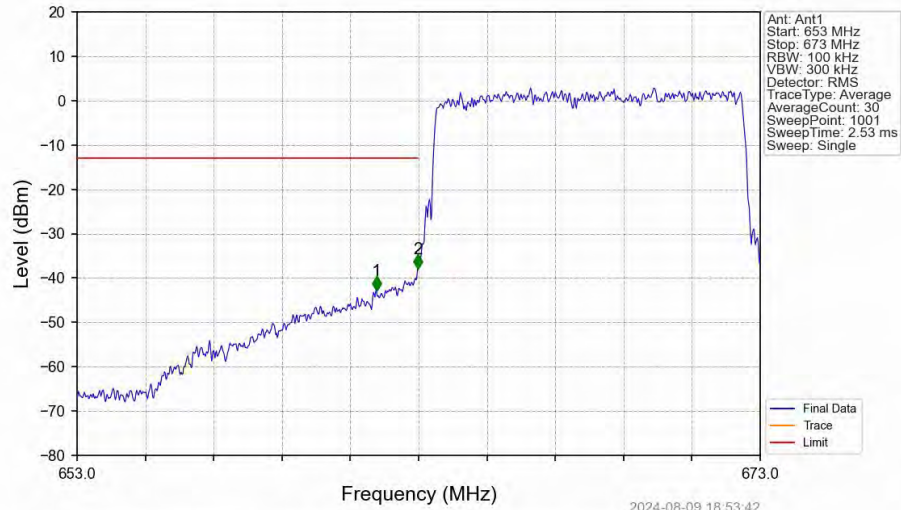


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.852	-56.33	-13	Pass
662	663	0.003	/	2	662.997	-39.69	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

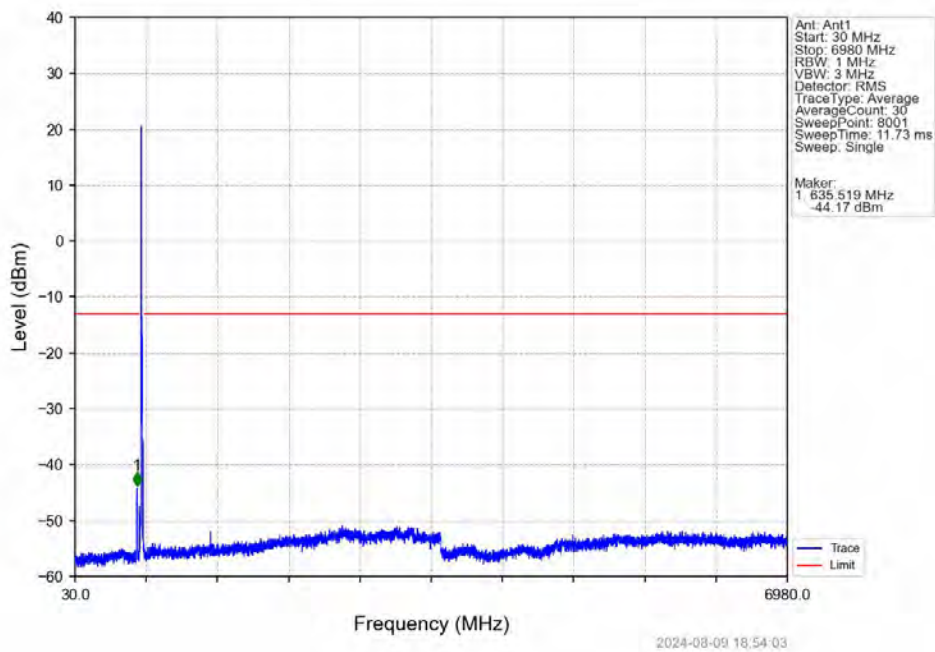


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

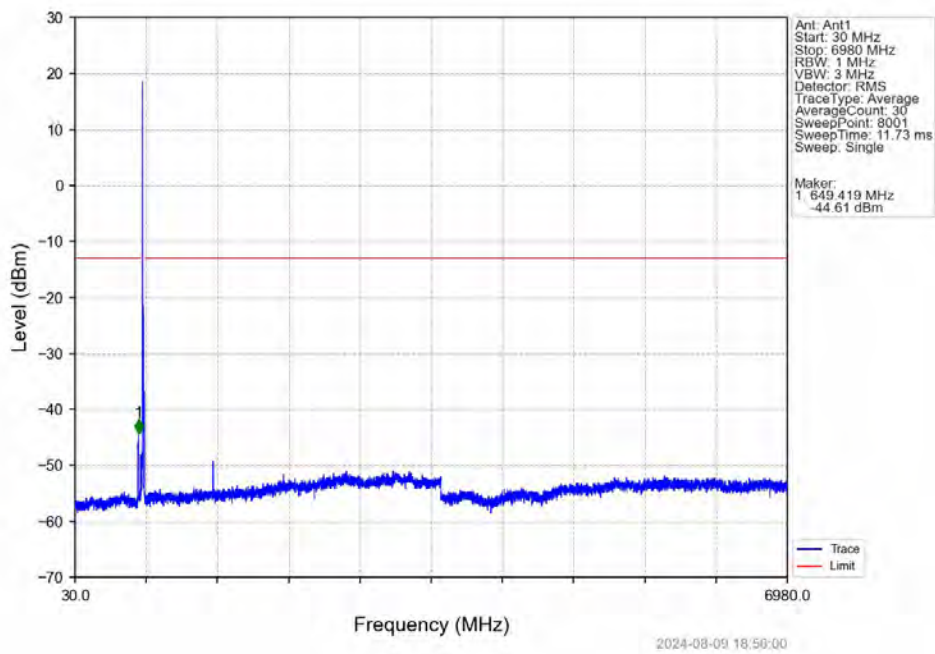


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.760	-42.76	-13	Pass
662	663	0.1	/	2	662.980	-37.80	-13	Pass
663	673	0.1	/	/	/	/	/	/

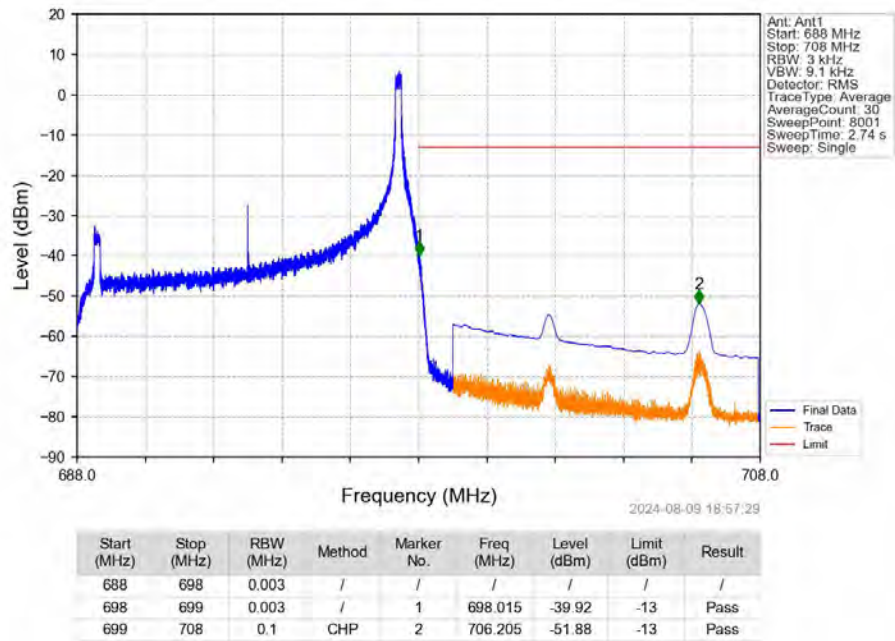
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



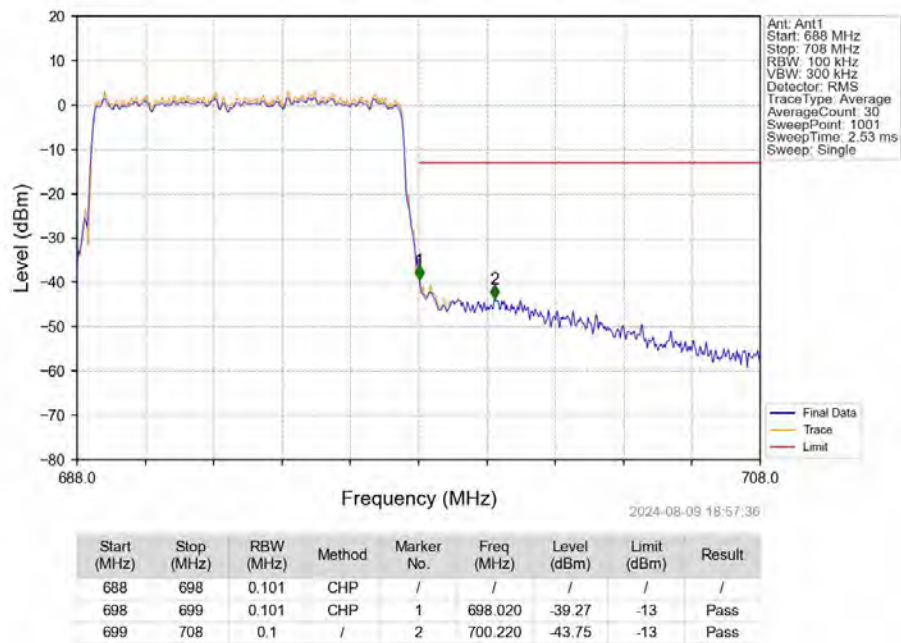
Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV



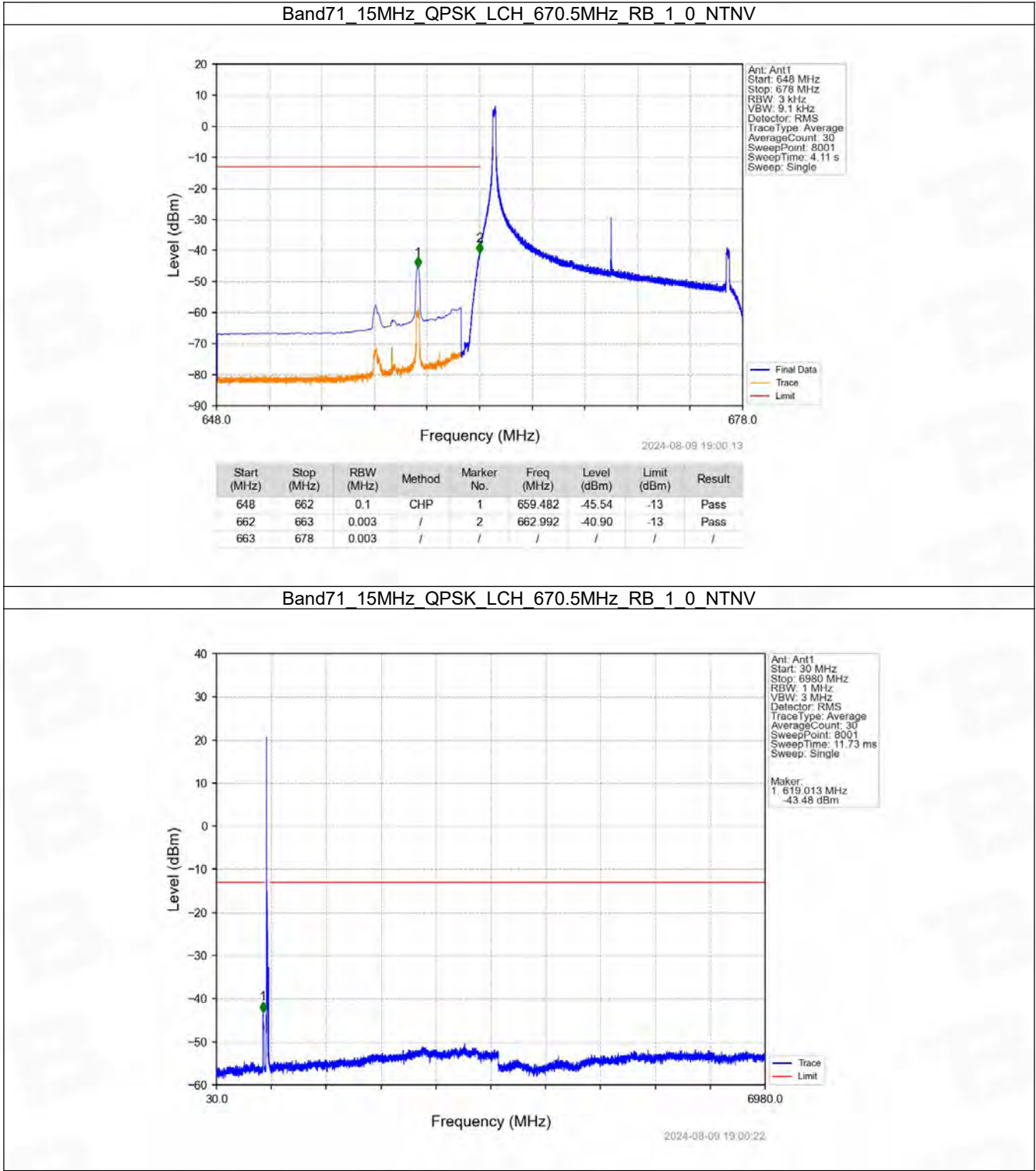
Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



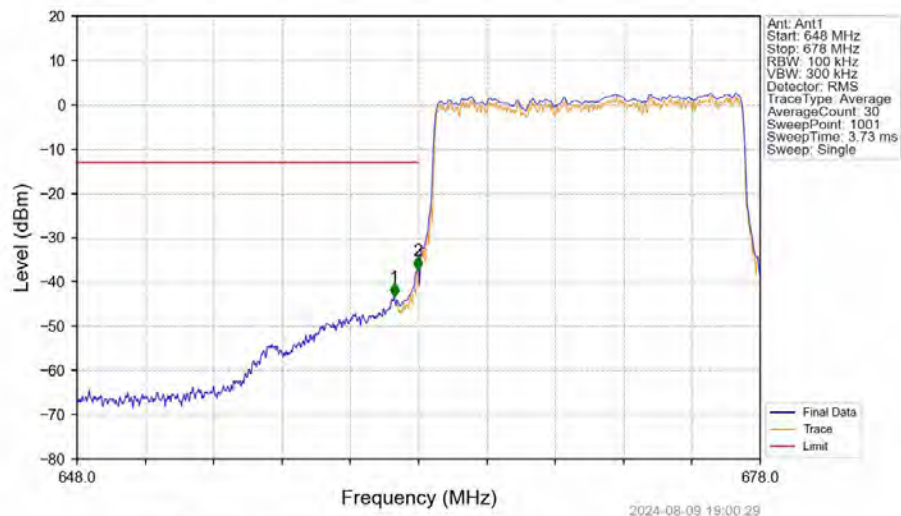
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



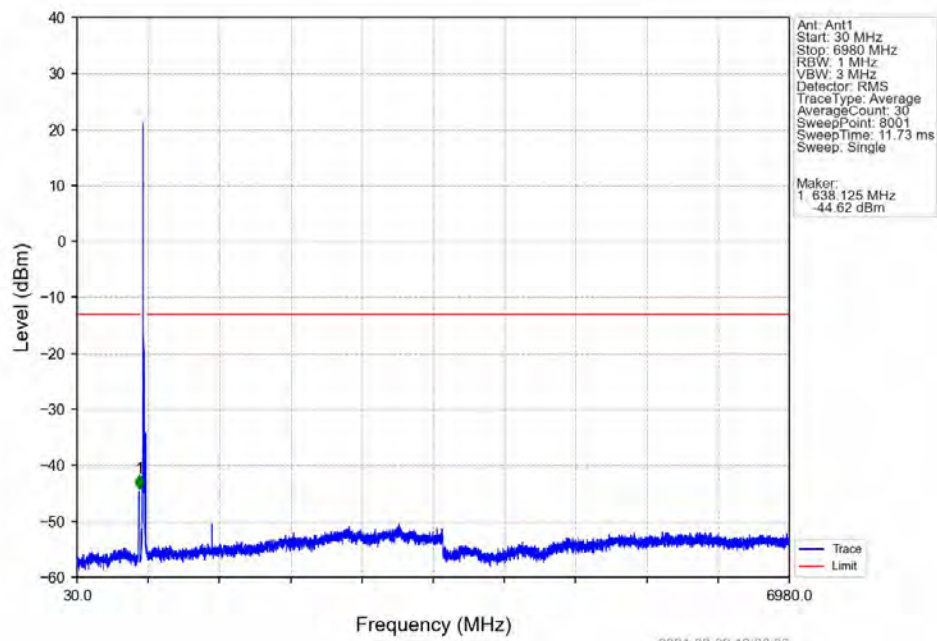
6.2.3 B71_15MHz



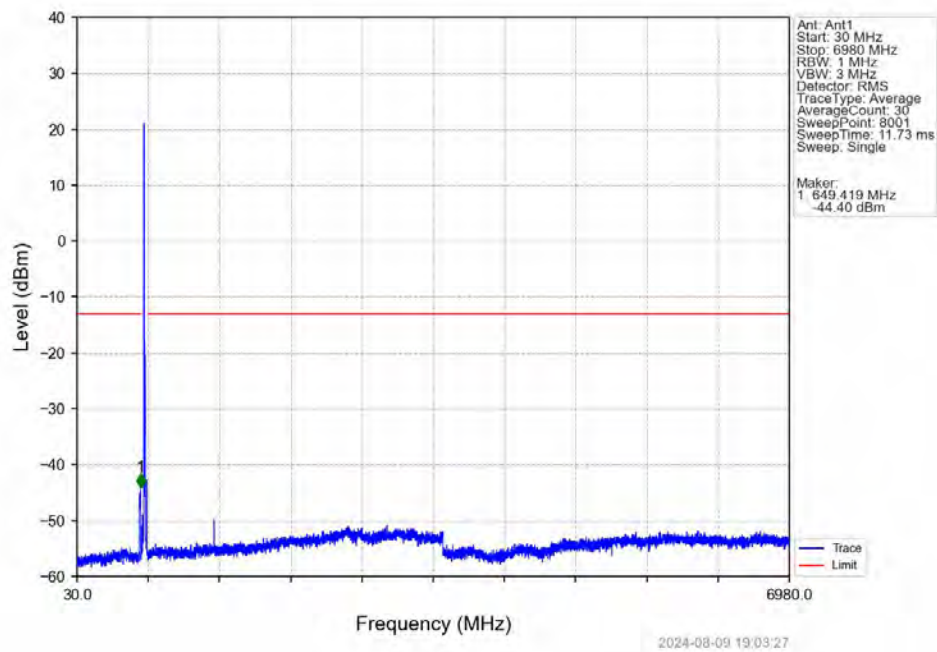
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



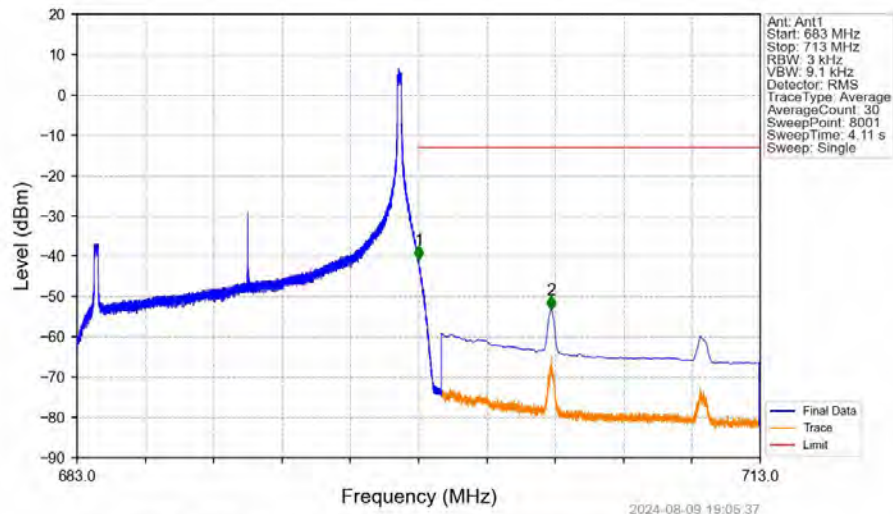
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

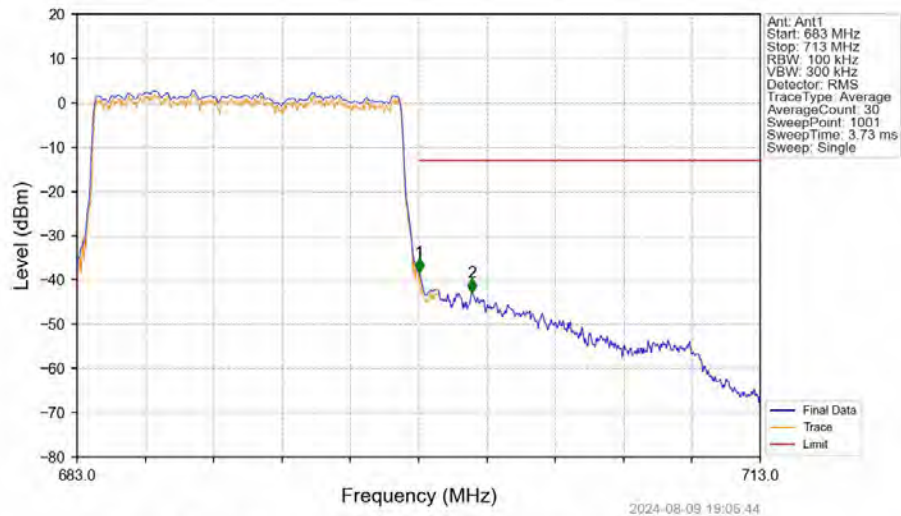


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



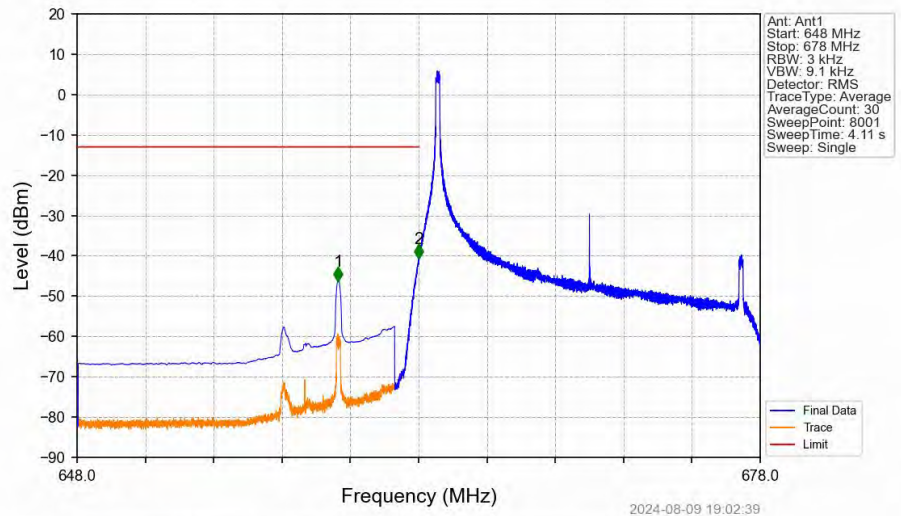
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.011	-40.78	-13	Pass
699	713	0.1	CHP	2	703.805	-53.23	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



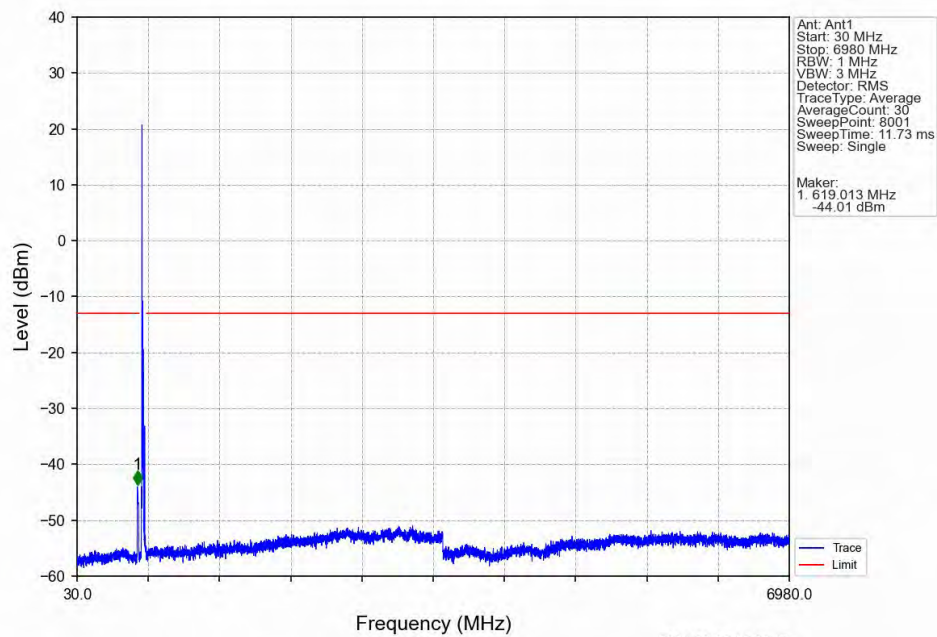
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.151	CHP	/	/	/	/	/
698	699	0.151	CHP	1	698.030	-38.22	-13	Pass
699	713	0.1	/	2	700.340	-42.77	-13	Pass

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

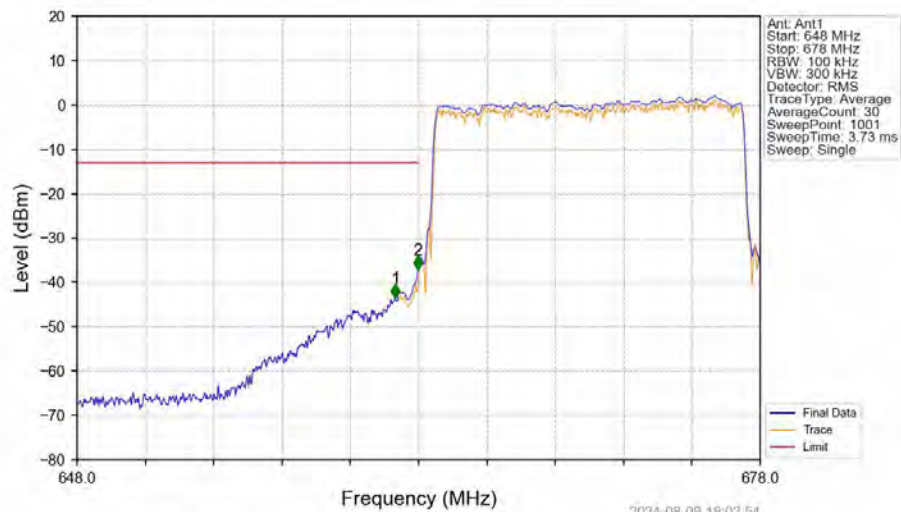


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	659.471	-46.19	-13	Pass
662	663	0.003	/	2	662.996	-40.56	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

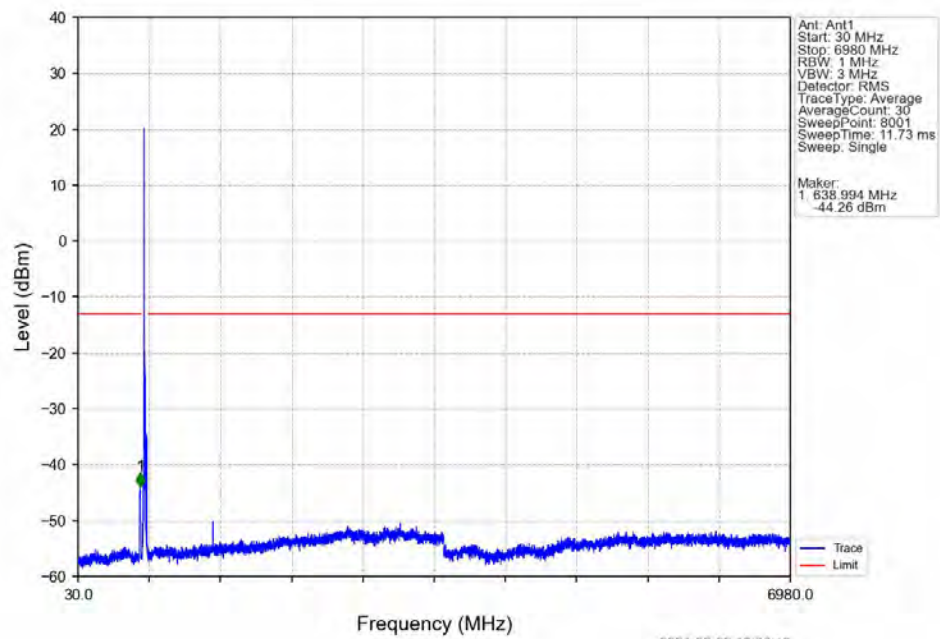


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

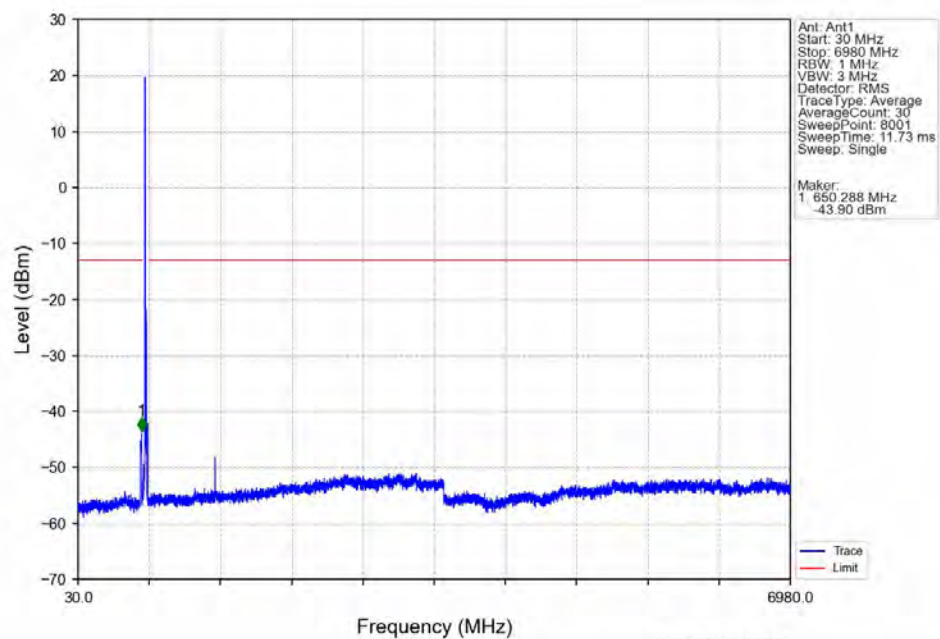


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.980	-43.57	-13	Pass
662	663	0.151	CHP	2	662.970	-37.14	-13	Pass
663	678	0.151	CHP	/	/	/	/	/

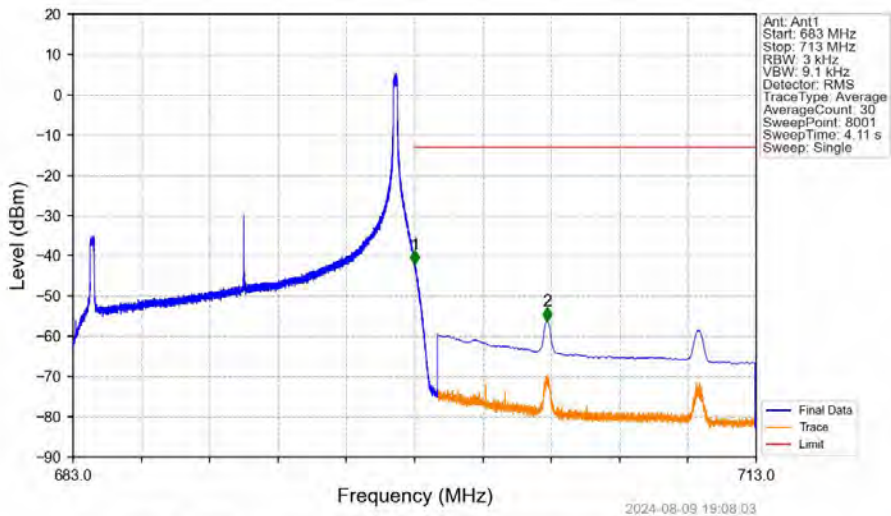
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV

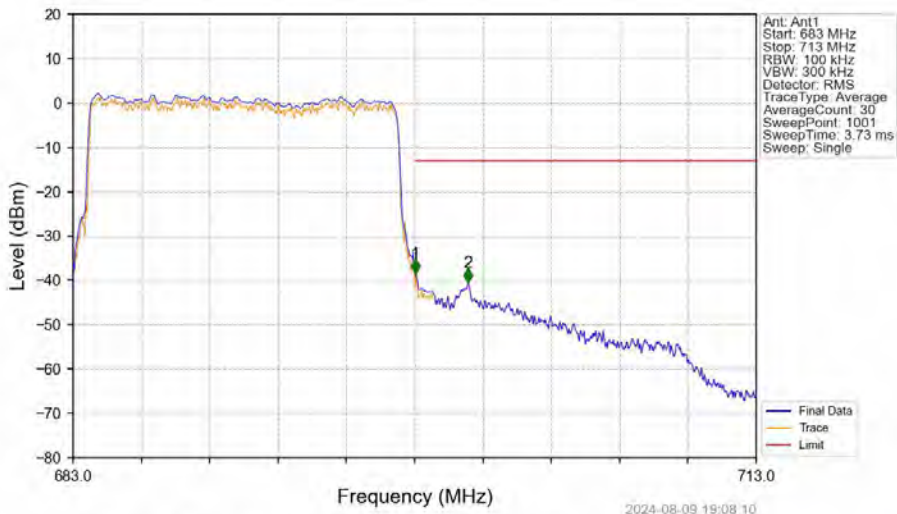


Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



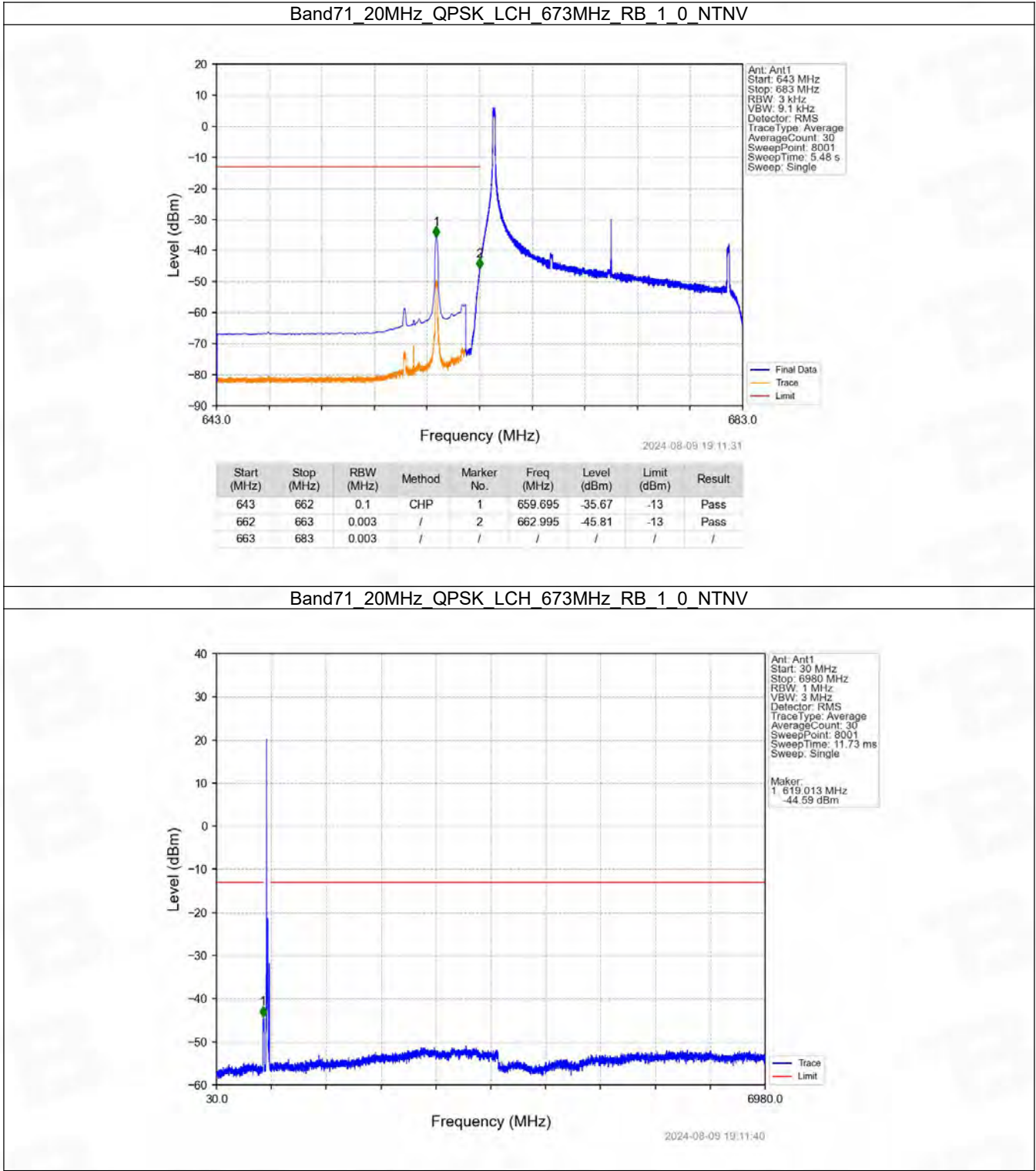
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.004	-42.01	-13	Pass
699	713	0.1	CHP	2	703.805	-56.18	-13	Pass

Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV

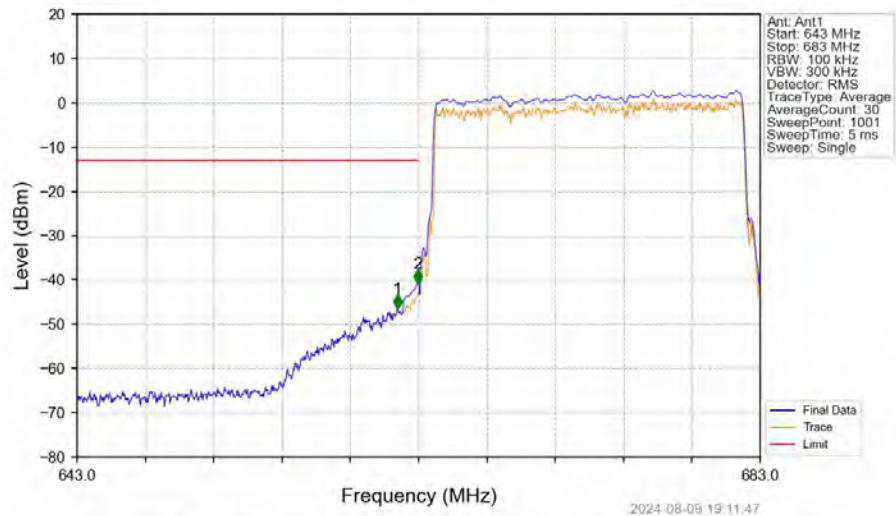


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.151	CHP	/	/	/	/	/
698	699	0.151	CHP	1	698.030	-38.41	-13	Pass
699	713	0.1	/	2	700.340	-40.50	-13	Pass

6.2.4 B71_20MHz

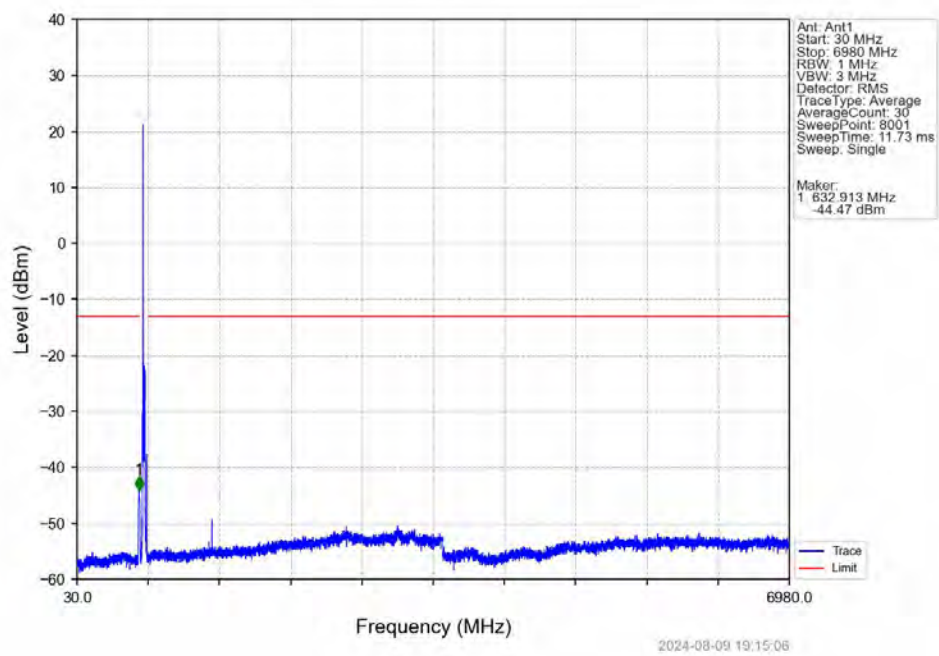


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

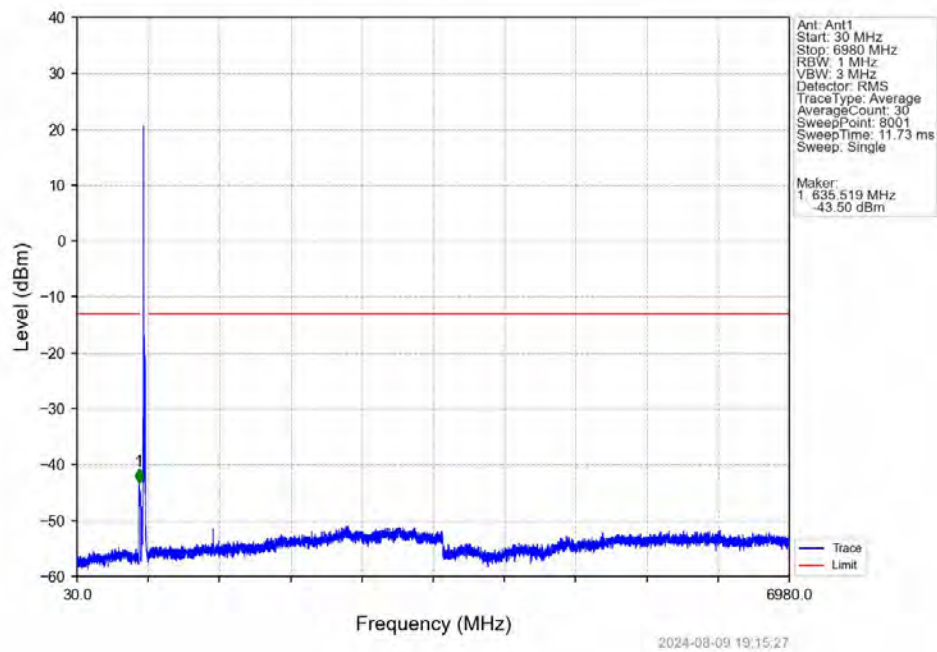


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.760	-46.43	-13	Pass
662	663	0.201	CHP	2	662.960	-40.81	-13	Pass
663	683	0.201	CHP	/	/	/	/	/

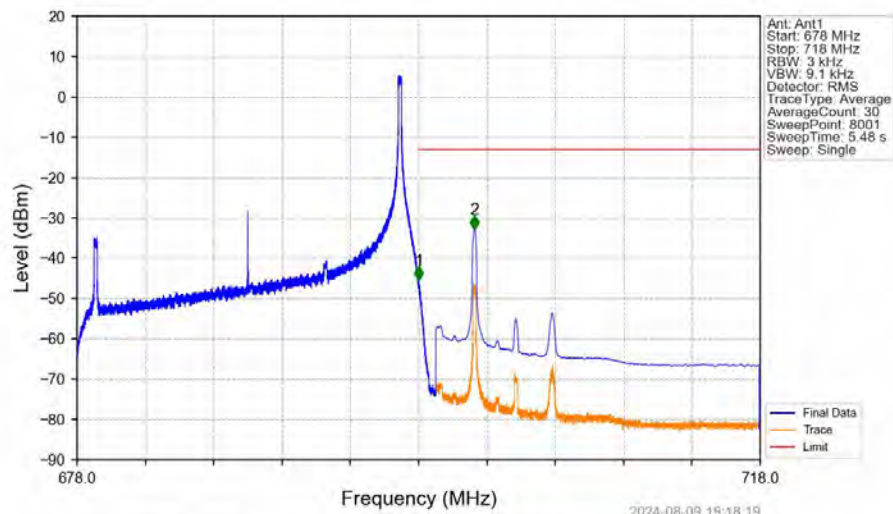
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

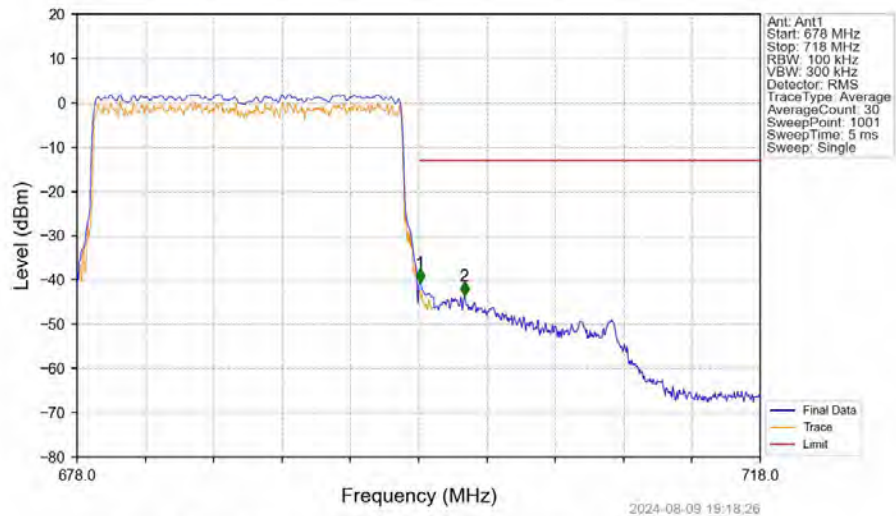


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV

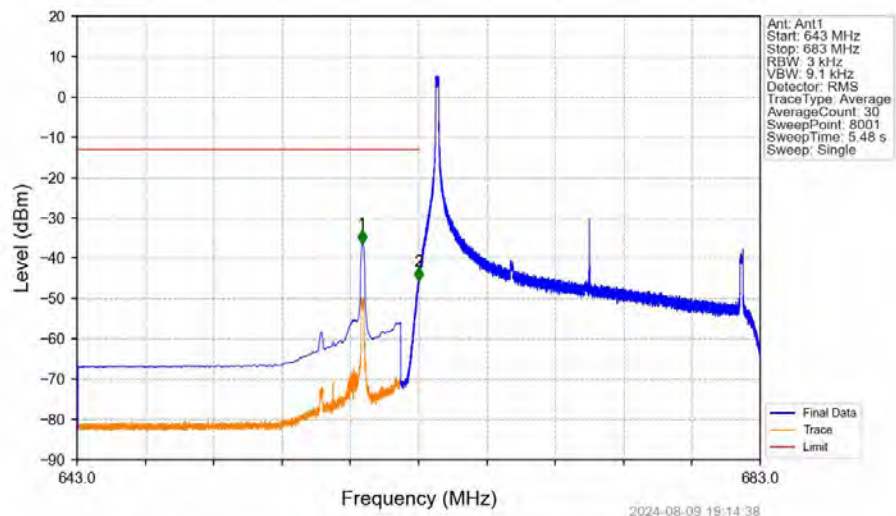


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-45.50	-13	Pass
699	718	0.1	CHP	2	701.285	-32.81	-13	Pass

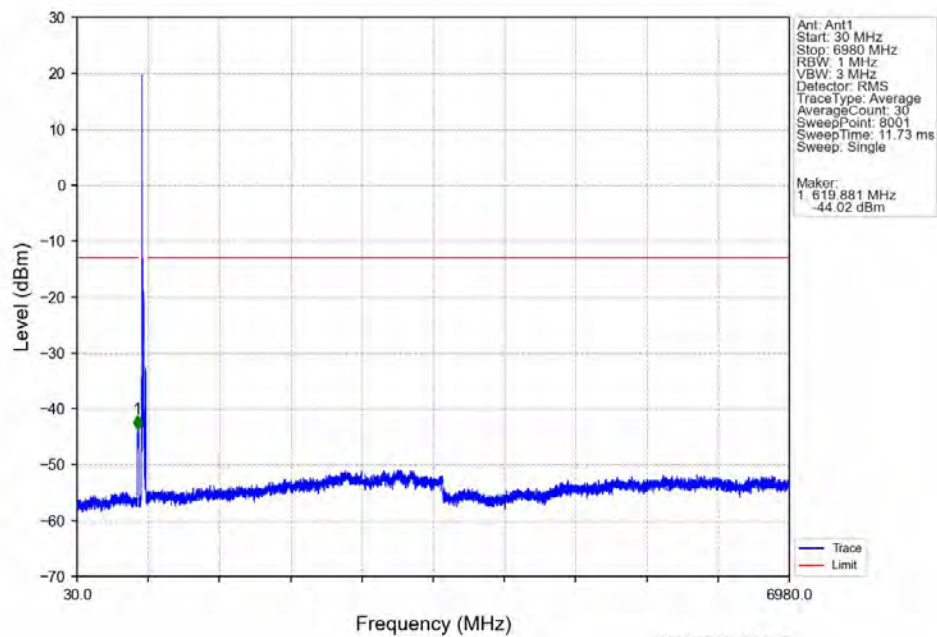
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



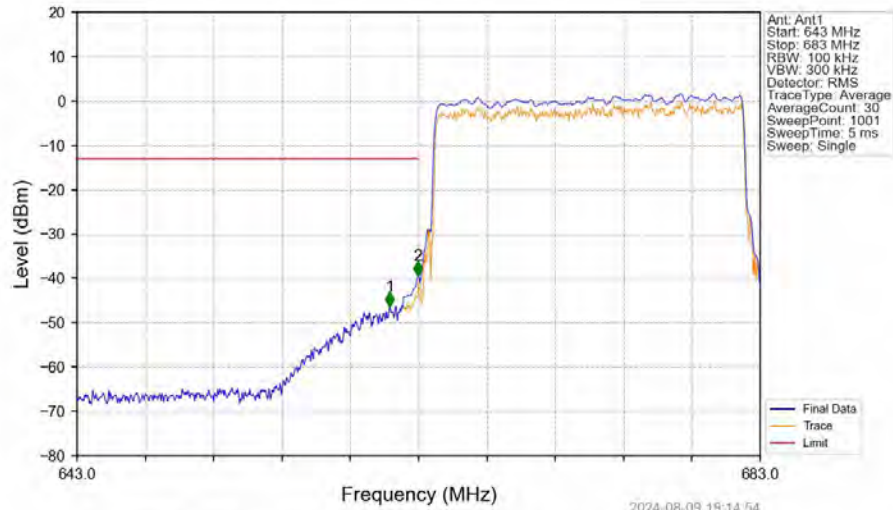
Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

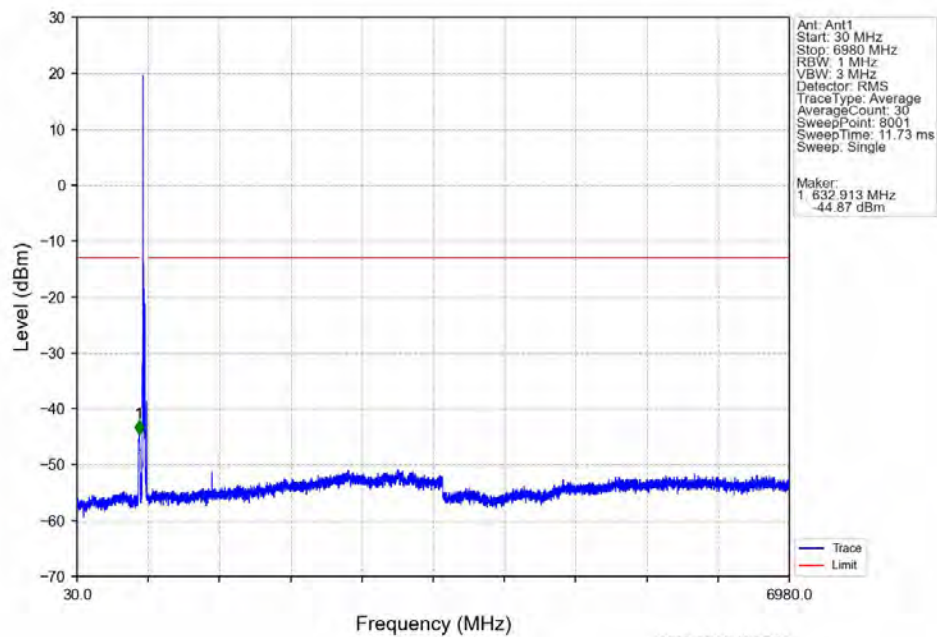


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

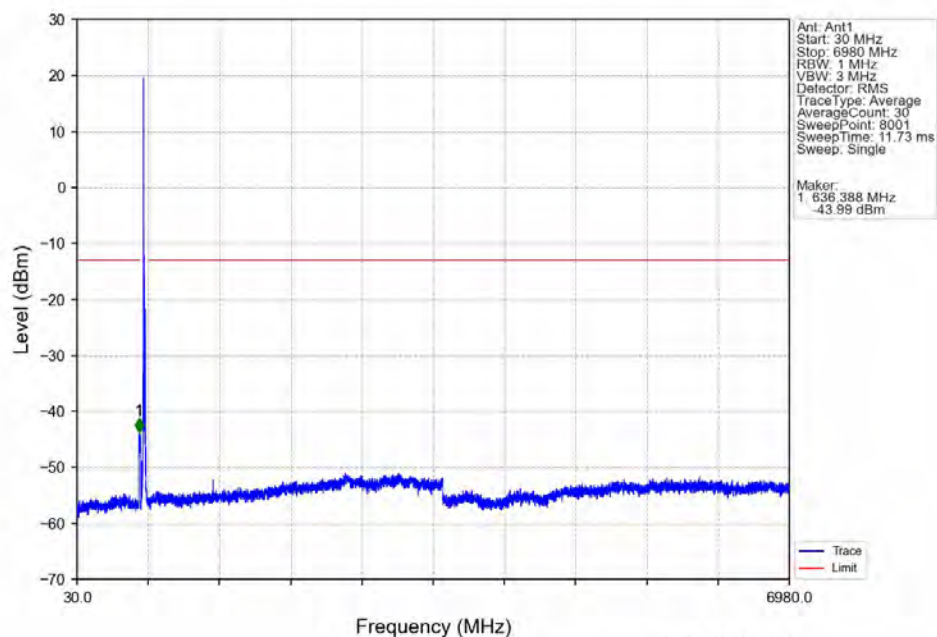


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.320	-46.28	-13	Pass
662	663	0.199	CHP	2	662.960	-39.35	-13	Pass
663	683	0.199	CHP	/	/	/	/	/

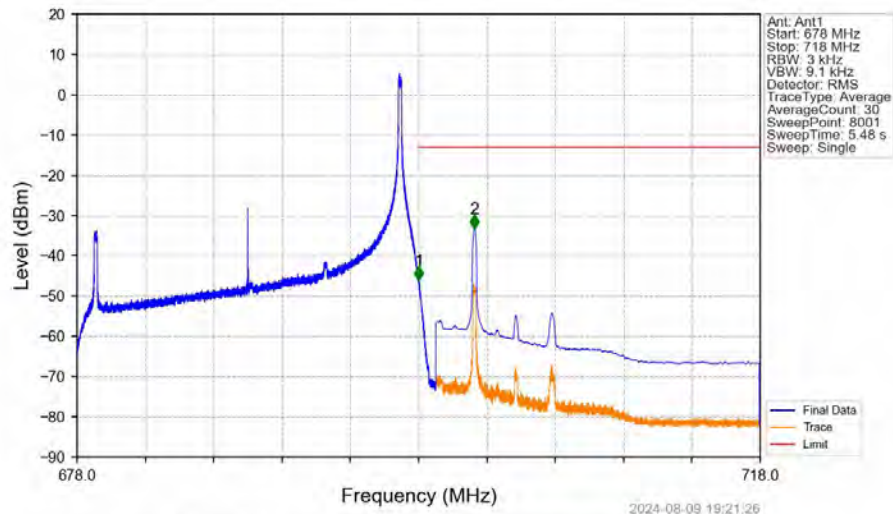
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV

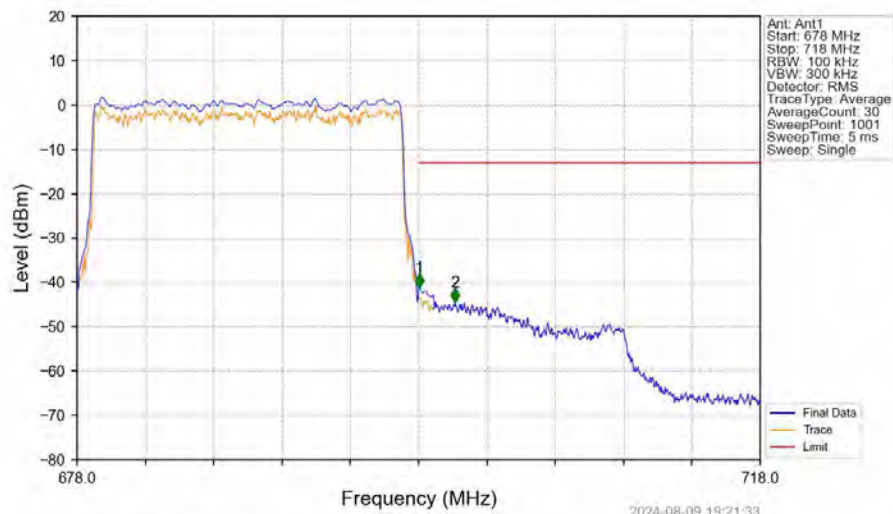


Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.020	-46.06	-13	Pass
699	718	0.1	CHP	2	701.275	-33.26	-13	Pass

Band71_20MHz_16QAM_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	CHP	/	/	/	/	/
698	699	0.2	CHP	1	698.040	-41.15	-13	Pass
699	718	0.1	/	2	700.120	-44.44	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

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	0.1578	0.0687	ppm	4M57G7D	27N	21.98
71	5	665.5	695.5	0.1409	0.0759	ppm	4M57W7D	27N	21.49
71	10	668	693	0.1552	0.0782	ppm	9M12G7D	27N	21.91
71	10	668	693	0.1396	0.0791	ppm	9M09W7D	27N	21.45
71	15	670.5	690.5	0.1560	0.0744	ppm	13M6G7D	27N	21.93
71	15	670.5	690.5	0.1603	0.0538	ppm	13M6W7D	27N	22.05
71	20	673	688	0.1545	0.0728	ppm	18M1G7D	27N	21.89
71	20	673	688	0.1510	0.0390	ppm	18M1W7D	27N	21.79

7.1.2 Form731_ERP

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	0.0347	0.0687	ppm	4M57G7D	27N	15.40
71	5	665.5	695.5	0.0310	0.0759	ppm	4M57W7D	27N	14.91
71	10	668	693	0.0341	0.0782	ppm	9M12G7D	27N	15.33
71	10	668	693	0.0307	0.0791	ppm	9M09W7D	27N	14.87
71	15	670.5	690.5	0.0343	0.0744	ppm	13M6G7D	27N	15.35
71	15	670.5	690.5	0.0352	0.0538	ppm	13M6W7D	27N	15.47
71	20	673	688	0.0340	0.0728	ppm	18M1G7D	27N	15.31
71	20	673	688	0.0332	0.0390	ppm	18M1W7D	27N	15.21