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	23.21	-1.11	19.95	<=34.77	Pass
			13	23.26	-1.11	20.00	<=34.77	Pass
			24	22.93	-1.11	19.67	<=34.77	Pass
		12	0	22.30	-1.11	19.04	<=34.77	Pass
			6	22.39	-1.11	19.13	<=34.77	Pass
			13	22.33	-1.11	19.07	<=34.77	Pass
		25	0	22.32	-1.11	19.06	<=34.77	Pass
	680.5	1	0	22.87	-1.11	19.61	<=34.77	Pass
			13	23.33	-1.11	20.07	<=34.77	Pass
			24	22.94	-1.11	19.68	<=34.77	Pass
		12	0	22.42	-1.11	19.16	<=34.77	Pass
			6	22.41	-1.11	19.15	<=34.77	Pass
			13	22.30	-1.11	19.04	<=34.77	Pass
		25	0	22.37	-1.11	19.11	<=34.77	Pass
	695.5	1	0	22.96	-1.11	19.70	<=34.77	Pass
			13	23.28	-1.11	20.02	<=34.77	Pass
			24	22.97	-1.11	19.71	<=34.77	Pass
		12	0	22.15	-1.11	18.89	<=34.77	Pass
			6	22.17	-1.11	18.91	<=34.77	Pass
			13	22.11	-1.11	18.85	<=34.77	Pass
		25	0	22.21	-1.11	18.95	<=34.77	Pass
16QAM	665.5	1	0	21.92	-1.11	18.66	<=34.77	Pass
			13	22.06	-1.11	18.80	<=34.77	Pass
			24	21.60	-1.11	18.34	<=34.77	Pass
		12	0	21.20	-1.11	17.94	<=34.77	Pass
			6	21.38	-1.11	18.12	<=34.77	Pass
			13	21.28	-1.11	18.02	<=34.77	Pass
		25	0	21.39	-1.11	18.13	<=34.77	Pass
	680.5	1	0	22.53	-1.11	19.27	<=34.77	Pass
			13	23.01	-1.11	19.75	<=34.77	Pass
			24	22.67	-1.11	19.41	<=34.77	Pass
		12	0	21.38	-1.11	18.12	<=34.77	Pass
			6	21.38	-1.11	18.12	<=34.77	Pass
			13	21.22	-1.11	17.96	<=34.77	Pass
		25	0	21.31	-1.11	18.05	<=34.77	Pass
	695.5	1	0	22.01	-1.11	18.75	<=34.77	Pass
			13	22.32	-1.11	19.06	<=34.77	Pass
			24	21.92	-1.11	18.66	<=34.77	Pass
		12	0	21.28	-1.11	18.02	<=34.77	Pass
			6	21.30	-1.11	18.04	<=34.77	Pass
			13	20.91	-1.11	17.65	<=34.77	Pass
		25	0	21.19	-1.11	17.93	<=34.77	Pass
64QAM	665.5	1	0	21.30	-1.11	18.04	<=34.77	Pass
			13	21.32	-1.11	18.06	<=34.77	Pass
			24	21.18	-1.11	17.92	<=34.77	Pass
		12	0	20.04	-1.11	16.78	<=34.77	Pass
			6	20.38	-1.11	17.12	<=34.77	Pass

			13	20.52	-1.11	17.26	<=34.77	Pass
		25	0	20.46	-1.11	17.20	<=34.77	Pass
	680.5	1	0	21.52	-1.11	18.26	<=34.77	Pass
			13	21.59	-1.11	18.33	<=34.77	Pass
			24	21.26	-1.11	18.00	<=34.77	Pass
		12	0	20.50	-1.11	17.24	<=34.77	Pass
			6	20.68	-1.11	17.42	<=34.77	Pass
			13	20.60	-1.11	17.34	<=34.77	Pass
		25	0	20.51	-1.11	17.25	<=34.77	Pass
	695.5	1	0	20.65	-1.11	17.39	<=34.77	Pass
			13	20.71	-1.11	17.45	<=34.77	Pass
			24	20.56	-1.11	17.30	<=34.77	Pass
		12	0	20.32	-1.11	17.06	<=34.77	Pass
			6	20.36	-1.11	17.10	<=34.77	Pass
			13	20.14	-1.11	16.88	<=34.77	Pass
		25	0	20.08	-1.11	16.82	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B71_10MHz_ERP

1.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	23.34	-1.11	20.08	<=34.77	Pass
			25	23.47	-1.11	20.21	<=34.77	Pass
			49	23.17	-1.11	19.91	<=34.77	Pass
		25	0	22.26	-1.11	19.00	<=34.77	Pass
			13	22.38	-1.11	19.12	<=34.77	Pass
			25	22.28	-1.11	19.02	<=34.77	Pass
		50	0	22.30	-1.11	19.04	<=34.77	Pass
	680.5	1	0	23.07	-1.11	19.81	<=34.77	Pass
			25	23.80	-1.11	20.54	<=34.77	Pass
			49	23.36	-1.11	20.10	<=34.77	Pass
		25	0	22.37	-1.11	19.11	<=34.77	Pass
			13	22.44	-1.11	19.18	<=34.77	Pass
			25	22.35	-1.11	19.09	<=34.77	Pass
		50	0	22.39	-1.11	19.13	<=34.77	Pass
	693	1	0	23.28	-1.11	20.02	<=34.77	Pass
			25	23.72	-1.11	20.46	<=34.77	Pass
			49	23.18	-1.11	19.92	<=34.77	Pass
		25	0	22.35	-1.11	19.09	<=34.77	Pass
			13	22.31	-1.11	19.05	<=34.77	Pass
			25	22.31	-1.11	19.05	<=34.77	Pass
		50	0	22.26	-1.11	19.00	<=34.77	Pass
16QAM	668	1	0	22.74	-1.11	19.48	<=34.77	Pass
			25	22.89	-1.11	19.63	<=34.77	Pass
			49	22.61	-1.11	19.35	<=34.77	Pass
		25	0	21.45	-1.11	18.19	<=34.77	Pass
			13	21.48	-1.11	18.22	<=34.77	Pass
			25	21.45	-1.11	18.19	<=34.77	Pass
		50	0	21.44	-1.11	18.18	<=34.77	Pass
	680.5	1	0	22.81	-1.11	19.55	<=34.77	Pass
			25	23.64	-1.11	20.38	<=34.77	Pass

			49	22.70	-1.11	19.44	<=34.77	Pass
		25	0	21.30	-1.11	18.04	<=34.77	Pass
			13	21.49	-1.11	18.23	<=34.77	Pass
			25	21.43	-1.11	18.17	<=34.77	Pass
		50	0	21.31	-1.11	18.05	<=34.77	Pass
	693	1	0	22.76	-1.11	19.50	<=34.77	Pass
			25	22.84	-1.11	19.58	<=34.77	Pass
			49	22.77	-1.11	19.51	<=34.77	Pass
		25	0	21.39	-1.11	18.13	<=34.77	Pass
			13	21.24	-1.11	17.98	<=34.77	Pass
			25	21.07	-1.11	17.81	<=34.77	Pass
		50	0	21.21	-1.11	17.95	<=34.77	Pass
64QAM	668	1	0	21.82	-1.11	18.56	<=34.77	Pass
			25	21.99	-1.11	18.73	<=34.77	Pass
			49	21.94	-1.11	18.68	<=34.77	Pass
		25	0	20.25	-1.11	16.99	<=34.77	Pass
			13	20.65	-1.11	17.39	<=34.77	Pass
			25	20.64	-1.11	17.38	<=34.77	Pass
		50	0	20.40	-1.11	17.14	<=34.77	Pass
	680.5	1	0	21.54	-1.11	18.28	<=34.77	Pass
			25	21.41	-1.11	18.15	<=34.77	Pass
			49	21.39	-1.11	18.13	<=34.77	Pass
		25	0	20.45	-1.11	17.19	<=34.77	Pass
			13	20.61	-1.11	17.35	<=34.77	Pass
			25	20.46	-1.11	17.20	<=34.77	Pass
		50	0	20.41	-1.11	17.15	<=34.77	Pass
	693	1	0	21.52	-1.11	18.26	<=34.77	Pass
			25	21.20	-1.11	17.94	<=34.77	Pass
			49	20.91	-1.11	17.65	<=34.77	Pass
		25	0	20.33	-1.11	17.07	<=34.77	Pass
			13	20.38	-1.11	17.12	<=34.77	Pass
			25	20.29	-1.11	17.03	<=34.77	Pass
		50	0	20.39	-1.11	17.13	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B71_15MHz_ERP

1.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	23.56	-1.11	20.30	<=34.77	Pass
			38	23.49	-1.11	20.23	<=34.77	Pass
			74	23.15	-1.11	19.89	<=34.77	Pass
		36	0	22.37	-1.11	19.11	<=34.77	Pass
			18	22.41	-1.11	19.15	<=34.77	Pass
			39	22.31	-1.11	19.05	<=34.77	Pass
		75	0	22.33	-1.11	19.07	<=34.77	Pass
	680.5	1	0	23.23	-1.11	19.97	<=34.77	Pass
			38	23.43	-1.11	20.17	<=34.77	Pass
			74	23.06	-1.11	19.80	<=34.77	Pass
		36	0	22.23	-1.11	18.97	<=34.77	Pass
			18	22.34	-1.11	19.08	<=34.77	Pass
			39	22.23	-1.11	18.97	<=34.77	Pass

		75	0	22.33	-1.11	19.07	<=34.77	Pass
	690.5	1	0	23.63	-1.11	20.37	<=34.77	Pass
			38	23.42	-1.11	20.16	<=34.77	Pass
			74	23.12	-1.11	19.86	<=34.77	Pass
		36	0	22.36	-1.11	19.10	<=34.77	Pass
			18	22.39	-1.11	19.13	<=34.77	Pass
			39	22.23	-1.11	18.97	<=34.77	Pass
		75	0	22.34	-1.11	19.08	<=34.77	Pass
16QAM	670.5	1	0	22.87	-1.11	19.61	<=34.77	Pass
			38	23.34	-1.11	20.08	<=34.77	Pass
			74	22.50	-1.11	19.24	<=34.77	Pass
		36	0	21.32	-1.11	18.06	<=34.77	Pass
			18	21.35	-1.11	18.09	<=34.77	Pass
			39	21.24	-1.11	17.98	<=34.77	Pass
		75	0	21.25	-1.11	17.99	<=34.77	Pass
	680.5	1	0	22.83	-1.11	19.57	<=34.77	Pass
			38	23.02	-1.11	19.76	<=34.77	Pass
			74	23.02	-1.11	19.76	<=34.77	Pass
		36	0	21.23	-1.11	17.97	<=34.77	Pass
			18	21.44	-1.11	18.18	<=34.77	Pass
			39	21.47	-1.11	18.21	<=34.77	Pass
		75	0	21.37	-1.11	18.11	<=34.77	Pass
	690.5	1	0	22.17	-1.11	18.91	<=34.77	Pass
			38	23.36	-1.11	20.10	<=34.77	Pass
			74	22.80	-1.11	19.54	<=34.77	Pass
		36	0	21.32	-1.11	18.06	<=34.77	Pass
			18	21.40	-1.11	18.14	<=34.77	Pass
			39	21.09	-1.11	17.83	<=34.77	Pass
		75	0	21.23	-1.11	17.97	<=34.77	Pass
64QAM	670.5	1	0	21.87	-1.11	18.61	<=34.77	Pass
			38	21.94	-1.11	18.68	<=34.77	Pass
			74	21.75	-1.11	18.49	<=34.77	Pass
		36	0	20.35	-1.11	17.09	<=34.77	Pass
			18	20.48	-1.11	17.22	<=34.77	Pass
			39	20.44	-1.11	17.18	<=34.77	Pass
		75	0	20.21	-1.11	16.95	<=34.77	Pass
	680.5	1	0	20.99	-1.11	17.73	<=34.77	Pass
			38	21.11	-1.11	17.85	<=34.77	Pass
			74	20.87	-1.11	17.61	<=34.77	Pass
		36	0	20.29	-1.11	17.03	<=34.77	Pass
			18	20.40	-1.11	17.14	<=34.77	Pass
			39	20.29	-1.11	17.03	<=34.77	Pass
		75	0	20.14	-1.11	16.88	<=34.77	Pass
	690.5	1	0	21.27	-1.11	18.01	<=34.77	Pass
			38	21.28	-1.11	18.02	<=34.77	Pass
			74	20.80	-1.11	17.54	<=34.77	Pass
		36	0	20.50	-1.11	17.24	<=34.77	Pass
			18	20.50	-1.11	17.24	<=34.77	Pass
			39	20.09	-1.11	16.83	<=34.77	Pass
		75	0	20.06	-1.11	16.80	<=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	23.14	-1.11	19.88	<=34.77	Pass
			50	23.71	-1.11	20.45	<=34.77	Pass
			99	23.04	-1.11	19.78	<=34.77	Pass
		50	0	22.32	-1.11	19.06	<=34.77	Pass
			25	22.45	-1.11	19.19	<=34.77	Pass
			50	22.33	-1.11	19.07	<=34.77	Pass
		100	0	22.33	-1.11	19.07	<=34.77	Pass
	683	1	0	23.40	-1.11	20.14	<=34.77	Pass
			50	23.76	-1.11	20.50	<=34.77	Pass
			99	23.07	-1.11	19.81	<=34.77	Pass
		50	0	22.54	-1.11	19.28	<=34.77	Pass
			25	22.46	-1.11	19.20	<=34.77	Pass
			50	22.35	-1.11	19.09	<=34.77	Pass
		100	0	22.39	-1.11	19.13	<=34.77	Pass
	688	1	0	23.48	-1.11	20.22	<=34.77	Pass
			50	23.61	-1.11	20.35	<=34.77	Pass
			99	23.04	-1.11	19.78	<=34.77	Pass
		50	0	22.25	-1.11	18.99	<=34.77	Pass
			25	22.28	-1.11	19.02	<=34.77	Pass
			50	22.16	-1.11	18.90	<=34.77	Pass
		100	0	22.21	-1.11	18.95	<=34.77	Pass
16QAM	673	1	0	22.59	-1.11	19.33	<=34.77	Pass
			50	23.09	-1.11	19.83	<=34.77	Pass
			99	22.52	-1.11	19.26	<=34.77	Pass
		50	0	21.41	-1.11	18.15	<=34.77	Pass
			25	21.41	-1.11	18.15	<=34.77	Pass
			50	21.43	-1.11	18.17	<=34.77	Pass
		100	0	21.44	-1.11	18.18	<=34.77	Pass
	683	1	0	22.37	-1.11	19.11	<=34.77	Pass
			50	22.92	-1.11	19.66	<=34.77	Pass
			99	22.27	-1.11	19.01	<=34.77	Pass
		50	0	21.46	-1.11	18.20	<=34.77	Pass
			25	21.53	-1.11	18.27	<=34.77	Pass
			50	21.55	-1.11	18.29	<=34.77	Pass
		100	0	21.51	-1.11	18.25	<=34.77	Pass
	688	1	0	22.31	-1.11	19.05	<=34.77	Pass
			50	22.47	-1.11	19.21	<=34.77	Pass
			99	21.65	-1.11	18.39	<=34.77	Pass
		50	0	21.23	-1.11	17.97	<=34.77	Pass
			25	21.43	-1.11	18.17	<=34.77	Pass
			50	21.17	-1.11	17.91	<=34.77	Pass
		100	0	21.21	-1.11	17.95	<=34.77	Pass
64QAM	673	1	0	21.60	-1.11	18.34	<=34.77	Pass
			50	21.86	-1.11	18.60	<=34.77	Pass
			99	21.33	-1.11	18.07	<=34.77	Pass
		50	0	20.37	-1.11	17.11	<=34.77	Pass
			25	20.47	-1.11	17.21	<=34.77	Pass
			50	20.36	-1.11	17.10	<=34.77	Pass
		100	0	20.26	-1.11	17.00	<=34.77	Pass
	683	1	0	21.42	-1.11	18.16	<=34.77	Pass
			50	21.98	-1.11	18.72	<=34.77	Pass
			99	21.24	-1.11	17.98	<=34.77	Pass
		50	0	20.56	-1.11	17.30	<=34.77	Pass
			25	20.53	-1.11	17.27	<=34.77	Pass
			50	20.50	-1.11	17.24	<=34.77	Pass

		100	0	20.42	-1.11	17.16	<=34.77	Pass
	688	1	0	21.61	-1.11	18.35	<=34.77	Pass
			50	22.04	-1.11	18.78	<=34.77	Pass
			99	21.44	-1.11	18.18	<=34.77	Pass
		50	0	20.31	-1.11	17.05	<=34.77	Pass
			25	20.34	-1.11	17.08	<=34.77	Pass
			50	20.19	-1.11	16.93	<=34.77	Pass
		100	0	20.25	-1.11	16.99	<=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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	665.5	25	0	20	102	-0.386	-0.0006	-2.5 to 2.5	Pass
					120	-0.172	-0.0003	-2.5 to 2.5	Pass
					138	-0.515	-0.0008	-2.5 to 2.5	Pass
				-30	120	0.272	0.0004	-2.5 to 2.5	Pass
				-20	120	-0.701	-0.0011	-2.5 to 2.5	Pass
				-10	120	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	120	0.215	0.0003	-2.5 to 2.5	Pass
				10	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				30	120	0.100	0.0002	-2.5 to 2.5	Pass
				40	120	0.229	0.0003	-2.5 to 2.5	Pass
				50	120	0.186	0.0003	-2.5 to 2.5	Pass
	680.5	25	0	20	102	1.016	0.0015	-2.5 to 2.5	Pass
					120	1.187	0.0017	-2.5 to 2.5	Pass
					138	0.672	0.0010	-2.5 to 2.5	Pass
				-30	120	1.216	0.0018	-2.5 to 2.5	Pass
				-20	120	0.472	0.0007	-2.5 to 2.5	Pass
				-10	120	0.129	0.0002	-2.5 to 2.5	Pass
				0	120	1.631	0.0024	-2.5 to 2.5	Pass
				10	120	1.044	0.0015	-2.5 to 2.5	Pass
				30	120	0.815	0.0012	-2.5 to 2.5	Pass
				40	120	1.230	0.0018	-2.5 to 2.5	Pass
				50	120	0.558	0.0008	-2.5 to 2.5	Pass
	695.5	25	0	20	102	1.416	0.0020	-2.5 to 2.5	Pass
					120	2.303	0.0033	-2.5 to 2.5	Pass
					138	2.475	0.0036	-2.5 to 2.5	Pass
				-30	120	1.945	0.0028	-2.5 to 2.5	Pass
				-20	120	2.289	0.0033	-2.5 to 2.5	Pass
				-10	120	3.219	0.0046	-2.5 to 2.5	Pass
				0	120	3.304	0.0048	-2.5 to 2.5	Pass
				10	120	2.046	0.0029	-2.5 to 2.5	Pass
				30	120	0.944	0.0014	-2.5 to 2.5	Pass
				40	120	1.931	0.0028	-2.5 to 2.5	Pass
				50	120	1.588	0.0023	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	102	0.072	0.0001	-2.5 to 2.5	Pass
					120	0.558	0.0008	-2.5 to 2.5	Pass
					138	0.358	0.0005	-2.5 to 2.5	Pass

				-30	120	1.016	0.0015	-2.5 to 2.5	Pass
				-20	120	1.245	0.0019	-2.5 to 2.5	Pass
				-10	120	1.445	0.0022	-2.5 to 2.5	Pass
				0	120	1.631	0.0025	-2.5 to 2.5	Pass
				10	120	1.774	0.0027	-2.5 to 2.5	Pass
				30	120	1.345	0.0020	-2.5 to 2.5	Pass
				40	120	1.516	0.0023	-2.5 to 2.5	Pass
				50	120	1.545	0.0023	-2.5 to 2.5	Pass
	680.5	25	0	20	102	0.501	0.0007	-2.5 to 2.5	Pass
					120	-0.143	-0.0002	-2.5 to 2.5	Pass
					138	0.401	0.0006	-2.5 to 2.5	Pass
				-30	120	1.473	0.0022	-2.5 to 2.5	Pass
				-20	120	2.103	0.0031	-2.5 to 2.5	Pass
				-10	120	1.287	0.0019	-2.5 to 2.5	Pass
				0	120	1.774	0.0026	-2.5 to 2.5	Pass
				10	120	1.831	0.0027	-2.5 to 2.5	Pass
				30	120	2.103	0.0031	-2.5 to 2.5	Pass
				40	120	2.804	0.0041	-2.5 to 2.5	Pass
				50	120	1.445	0.0021	-2.5 to 2.5	Pass
	695.5	25	0	20	102	1.502	0.0022	-2.5 to 2.5	Pass
					120	0.887	0.0013	-2.5 to 2.5	Pass
					138	1.030	0.0015	-2.5 to 2.5	Pass
				-30	120	0.744	0.0011	-2.5 to 2.5	Pass
				-20	120	0.830	0.0012	-2.5 to 2.5	Pass
				-10	120	0.601	0.0009	-2.5 to 2.5	Pass
				0	120	2.017	0.0029	-2.5 to 2.5	Pass
				10	120	1.130	0.0016	-2.5 to 2.5	Pass
				30	120	0.758	0.0011	-2.5 to 2.5	Pass
				40	120	0.844	0.0012	-2.5 to 2.5	Pass
				50	120	0.200	0.0003	-2.5 to 2.5	Pass
64QAM	665.5	25	0	20	102	2.031	0.0031	-2.5 to 2.5	Pass
					120	1.888	0.0028	-2.5 to 2.5	Pass
					138	2.604	0.0039	-2.5 to 2.5	Pass
				-30	120	2.346	0.0035	-2.5 to 2.5	Pass
				-20	120	2.074	0.0031	-2.5 to 2.5	Pass
				-10	120	1.988	0.0030	-2.5 to 2.5	Pass
				0	120	2.904	0.0044	-2.5 to 2.5	Pass
				10	120	2.060	0.0031	-2.5 to 2.5	Pass
				30	120	1.316	0.0020	-2.5 to 2.5	Pass
				40	120	1.817	0.0027	-2.5 to 2.5	Pass
				50	120	1.659	0.0025	-2.5 to 2.5	Pass
	680.5	25	0	20	102	2.360	0.0035	-2.5 to 2.5	Pass
					120	2.661	0.0039	-2.5 to 2.5	Pass
					138	1.960	0.0029	-2.5 to 2.5	Pass
				-30	120	2.832	0.0042	-2.5 to 2.5	Pass
				-20	120	2.189	0.0032	-2.5 to 2.5	Pass
				-10	120	0.658	0.0010	-2.5 to 2.5	Pass
				0	120	2.189	0.0032	-2.5 to 2.5	Pass
				10	120	1.745	0.0026	-2.5 to 2.5	Pass
				30	120	1.774	0.0026	-2.5 to 2.5	Pass
				40	120	1.931	0.0028	-2.5 to 2.5	Pass
				50	120	0.429	0.0006	-2.5 to 2.5	Pass
	695.5	25	0	20	102	-0.043	-0.0001	-2.5 to 2.5	Pass
					120	0.672	0.0010	-2.5 to 2.5	Pass
					138	0.486	0.0007	-2.5 to 2.5	Pass
				-30	120	-0.801	-0.0012	-2.5 to 2.5	Pass
				-20	120	0.443	0.0006	-2.5 to 2.5	Pass
				-10	120	1.431	0.0021	-2.5 to 2.5	Pass

				0	120	-0.029	0.0000	-2.5 to 2.5	Pass
				10	120	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	120	0.286	0.0004	-2.5 to 2.5	Pass
				40	120	-0.257	-0.0004	-2.5 to 2.5	Pass
				50	120	-0.215	-0.0003	-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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	102	-0.529	-0.0008	-2.5 to 2.5	Pass
					120	-0.501	-0.0008	-2.5 to 2.5	Pass
					138	-0.730	-0.0011	-2.5 to 2.5	Pass
				-30	120	-1.044	-0.0016	-2.5 to 2.5	Pass
				-20	120	-1.330	-0.0020	-2.5 to 2.5	Pass
				-10	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	120	-1.216	-0.0018	-2.5 to 2.5	Pass
				10	120	-0.830	-0.0012	-2.5 to 2.5	Pass
				30	120	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	120	-0.744	-0.0011	-2.5 to 2.5	Pass
				50	120	-1.602	-0.0024	-2.5 to 2.5	Pass
	680.5	50	0	20	102	-0.043	-0.0001	-2.5 to 2.5	Pass
					120	-0.615	-0.0009	-2.5 to 2.5	Pass
					138	-0.386	-0.0006	-2.5 to 2.5	Pass
				-30	120	-0.429	-0.0006	-2.5 to 2.5	Pass
				-20	120	-0.486	-0.0007	-2.5 to 2.5	Pass
				-10	120	-0.873	-0.0013	-2.5 to 2.5	Pass
				0	120	-0.787	-0.0012	-2.5 to 2.5	Pass
				10	120	-0.772	-0.0011	-2.5 to 2.5	Pass
				30	120	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	120	-0.172	-0.0003	-2.5 to 2.5	Pass
				50	120	-0.215	-0.0003	-2.5 to 2.5	Pass
	693	50	0	20	102	-0.100	-0.0001	-2.5 to 2.5	Pass
					120	-0.315	-0.0005	-2.5 to 2.5	Pass
					138	-1.659	-0.0024	-2.5 to 2.5	Pass
				-30	120	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	120	0.057	0.0001	-2.5 to 2.5	Pass
				-10	120	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	120	-0.315	-0.0005	-2.5 to 2.5	Pass
				10	120	-1.101	-0.0016	-2.5 to 2.5	Pass
				30	120	-1.588	-0.0023	-2.5 to 2.5	Pass
				40	120	0.014	0.0000	-2.5 to 2.5	Pass
				50	120	-0.329	-0.0005	-2.5 to 2.5	Pass
16QAM	668	50	0	20	102	-0.758	-0.0011	-2.5 to 2.5	Pass
					120	-1.345	-0.0020	-2.5 to 2.5	Pass
					138	-0.429	-0.0006	-2.5 to 2.5	Pass
				-30	120	-0.772	-0.0012	-2.5 to 2.5	Pass
				-20	120	-0.515	-0.0008	-2.5 to 2.5	Pass
				-10	120	-1.817	-0.0027	-2.5 to 2.5	Pass
				0	120	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	120	-0.486	-0.0007	-2.5 to 2.5	Pass
				30	120	-1.531	-0.0023	-2.5 to 2.5	Pass

				40	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	120	-1.645	-0.0025	-2.5 to 2.5	Pass
	680.5	50	0	20	102	-0.429	-0.0006	-2.5 to 2.5	Pass
					120	-0.386	-0.0006	-2.5 to 2.5	Pass
					138	-0.200	-0.0003	-2.5 to 2.5	Pass
				-30	120	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	120	-0.515	-0.0008	-2.5 to 2.5	Pass
				-10	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	120	-0.572	-0.0008	-2.5 to 2.5	Pass
				10	120	-0.200	-0.0003	-2.5 to 2.5	Pass
				30	120	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	120	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	120	-0.787	-0.0012	-2.5 to 2.5	Pass
	693	50	0	20	102	-0.730	-0.0011	-2.5 to 2.5	Pass
					120	-1.044	-0.0015	-2.5 to 2.5	Pass
					138	0.100	0.0001	-2.5 to 2.5	Pass
				-30	120	-1.173	-0.0017	-2.5 to 2.5	Pass
				-20	120	0.086	0.0001	-2.5 to 2.5	Pass
				-10	120	-0.243	-0.0004	-2.5 to 2.5	Pass
				0	120	-1.044	-0.0015	-2.5 to 2.5	Pass
				10	120	-1.273	-0.0018	-2.5 to 2.5	Pass
				30	120	-0.615	-0.0009	-2.5 to 2.5	Pass
				40	120	-0.200	-0.0003	-2.5 to 2.5	Pass
				50	120	-0.215	-0.0003	-2.5 to 2.5	Pass
64QAM	668	50	0	20	102	-1.173	-0.0018	-2.5 to 2.5	Pass
					120	-1.016	-0.0015	-2.5 to 2.5	Pass
					138	-1.316	-0.0020	-2.5 to 2.5	Pass
				-30	120	0.629	0.0009	-2.5 to 2.5	Pass
				-20	120	-2.060	-0.0031	-2.5 to 2.5	Pass
				-10	120	-0.587	-0.0009	-2.5 to 2.5	Pass
				0	120	-0.701	-0.0010	-2.5 to 2.5	Pass
				10	120	-1.860	-0.0028	-2.5 to 2.5	Pass
				30	120	-0.486	-0.0007	-2.5 to 2.5	Pass
				40	120	-1.330	-0.0020	-2.5 to 2.5	Pass
				50	120	-0.687	-0.0010	-2.5 to 2.5	Pass
	680.5	50	0	20	102	-0.744	-0.0011	-2.5 to 2.5	Pass
					120	-0.429	-0.0006	-2.5 to 2.5	Pass
					138	-0.629	-0.0009	-2.5 to 2.5	Pass
				-30	120	-0.544	-0.0008	-2.5 to 2.5	Pass
				-20	120	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	120	-0.772	-0.0011	-2.5 to 2.5	Pass
				0	120	-1.616	-0.0024	-2.5 to 2.5	Pass
				10	120	-0.887	-0.0013	-2.5 to 2.5	Pass
				30	120	-0.730	-0.0011	-2.5 to 2.5	Pass
				40	120	-1.216	-0.0018	-2.5 to 2.5	Pass
				50	120	-0.958	-0.0014	-2.5 to 2.5	Pass
	693	50	0	20	102	-0.744	-0.0011	-2.5 to 2.5	Pass
					120	-0.057	-0.0001	-2.5 to 2.5	Pass
					138	-0.844	-0.0012	-2.5 to 2.5	Pass
				-30	120	-1.531	-0.0022	-2.5 to 2.5	Pass
				-20	120	-1.345	-0.0019	-2.5 to 2.5	Pass
				-10	120	-1.245	-0.0018	-2.5 to 2.5	Pass
				0	120	-1.674	-0.0024	-2.5 to 2.5	Pass
				10	120	-1.287	-0.0019	-2.5 to 2.5	Pass
				30	120	-1.187	-0.0017	-2.5 to 2.5	Pass
				40	120	-1.216	-0.0018	-2.5 to 2.5	Pass
				50	120	-1.531	-0.0022	-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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	102	-1.101	-0.0016	-2.5 to 2.5	Pass
					120	-1.273	-0.0019	-2.5 to 2.5	Pass
					138	-1.173	-0.0017	-2.5 to 2.5	Pass
				-30	120	-0.801	-0.0012	-2.5 to 2.5	Pass
				-20	120	-1.059	-0.0016	-2.5 to 2.5	Pass
				-10	120	-0.715	-0.0011	-2.5 to 2.5	Pass
				0	120	-0.558	-0.0008	-2.5 to 2.5	Pass
				10	120	-0.987	-0.0015	-2.5 to 2.5	Pass
				30	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	120	-0.730	-0.0011	-2.5 to 2.5	Pass
	680.5	75	0	20	102	-0.987	-0.0015	-2.5 to 2.5	Pass
					120	0.114	0.0002	-2.5 to 2.5	Pass
					138	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	120	-0.315	-0.0005	-2.5 to 2.5	Pass
				-20	120	-0.830	-0.0012	-2.5 to 2.5	Pass
				-10	120	-0.730	-0.0011	-2.5 to 2.5	Pass
				0	120	-0.286	-0.0004	-2.5 to 2.5	Pass
				10	120	-0.801	-0.0012	-2.5 to 2.5	Pass
				30	120	-0.401	-0.0006	-2.5 to 2.5	Pass
				40	120	-0.529	-0.0008	-2.5 to 2.5	Pass
				50	120	-0.300	-0.0004	-2.5 to 2.5	Pass
	690.5	75	0	20	102	-1.016	-0.0015	-2.5 to 2.5	Pass
					120	0.086	0.0001	-2.5 to 2.5	Pass
					138	-0.572	-0.0008	-2.5 to 2.5	Pass
				-30	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				-20	120	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	120	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	120	-0.186	-0.0003	-2.5 to 2.5	Pass
				10	120	-0.601	-0.0009	-2.5 to 2.5	Pass
				30	120	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	120	0.243	0.0004	-2.5 to 2.5	Pass
				50	120	0.100	0.0001	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	102	-1.087	-0.0016	-2.5 to 2.5	Pass
					120	-0.844	-0.0013	-2.5 to 2.5	Pass
					138	-1.259	-0.0019	-2.5 to 2.5	Pass
				-30	120	-0.958	-0.0014	-2.5 to 2.5	Pass
				-20	120	-0.916	-0.0014	-2.5 to 2.5	Pass
				-10	120	-1.202	-0.0018	-2.5 to 2.5	Pass
				0	120	-0.844	-0.0013	-2.5 to 2.5	Pass
				10	120	-0.715	-0.0011	-2.5 to 2.5	Pass
				30	120	-1.402	-0.0021	-2.5 to 2.5	Pass
				40	120	-0.830	-0.0012	-2.5 to 2.5	Pass
				50	120	-1.502	-0.0022	-2.5 to 2.5	Pass
	680.5	75	0	20	102	-0.072	-0.0001	-2.5 to 2.5	Pass
					120	-0.973	-0.0014	-2.5 to 2.5	Pass
					138	-0.744	-0.0011	-2.5 to 2.5	Pass

				-30	120	-0.787	-0.0012	-2.5 to 2.5	Pass
				-20	120	-0.715	-0.0011	-2.5 to 2.5	Pass
				-10	120	-0.558	-0.0008	-2.5 to 2.5	Pass
				0	120	-0.744	-0.0011	-2.5 to 2.5	Pass
				10	120	-0.601	-0.0009	-2.5 to 2.5	Pass
				30	120	-0.787	-0.0012	-2.5 to 2.5	Pass
				40	120	-0.386	-0.0006	-2.5 to 2.5	Pass
				50	120	-0.830	-0.0012	-2.5 to 2.5	Pass
	690.5	75	0	20	102	-0.458	-0.0007	-2.5 to 2.5	Pass
					120	-0.143	-0.0002	-2.5 to 2.5	Pass
					138	-0.515	-0.0007	-2.5 to 2.5	Pass
				-30	120	0.157	0.0002	-2.5 to 2.5	Pass
				-20	120	-0.529	-0.0008	-2.5 to 2.5	Pass
				-10	120	-0.587	-0.0009	-2.5 to 2.5	Pass
				0	120	-0.529	-0.0008	-2.5 to 2.5	Pass
				10	120	-0.644	-0.0009	-2.5 to 2.5	Pass
				30	120	-1.502	-0.0022	-2.5 to 2.5	Pass
				40	120	-1.216	-0.0018	-2.5 to 2.5	Pass
				50	120	-0.114	-0.0002	-2.5 to 2.5	Pass
64QAM	670.5	75	0	20	102	-0.744	-0.0011	-2.5 to 2.5	Pass
					120	-1.302	-0.0019	-2.5 to 2.5	Pass
					138	-1.574	-0.0023	-2.5 to 2.5	Pass
				-30	120	-0.901	-0.0013	-2.5 to 2.5	Pass
				-20	120	-1.974	-0.0029	-2.5 to 2.5	Pass
				-10	120	-0.887	-0.0013	-2.5 to 2.5	Pass
				0	120	-1.574	-0.0023	-2.5 to 2.5	Pass
				10	120	-1.302	-0.0019	-2.5 to 2.5	Pass
				30	120	-0.844	-0.0013	-2.5 to 2.5	Pass
				40	120	-1.702	-0.0025	-2.5 to 2.5	Pass
				50	120	-0.930	-0.0014	-2.5 to 2.5	Pass
	680.5	75	0	20	102	-0.601	-0.0009	-2.5 to 2.5	Pass
					120	-0.343	-0.0005	-2.5 to 2.5	Pass
					138	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	120	-0.257	-0.0004	-2.5 to 2.5	Pass
				-20	120	-0.572	-0.0008	-2.5 to 2.5	Pass
				-10	120	-0.315	-0.0005	-2.5 to 2.5	Pass
				0	120	-0.730	-0.0011	-2.5 to 2.5	Pass
				10	120	-1.001	-0.0015	-2.5 to 2.5	Pass
				30	120	-0.815	-0.0012	-2.5 to 2.5	Pass
				40	120	-1.116	-0.0016	-2.5 to 2.5	Pass
				50	120	-0.615	-0.0009	-2.5 to 2.5	Pass
	690.5	75	0	20	102	-0.272	-0.0004	-2.5 to 2.5	Pass
					120	-0.329	-0.0005	-2.5 to 2.5	Pass
					138	0.257	0.0004	-2.5 to 2.5	Pass
				-30	120	-0.715	-0.0010	-2.5 to 2.5	Pass
				-20	120	-0.486	-0.0007	-2.5 to 2.5	Pass
				-10	120	-0.944	-0.0014	-2.5 to 2.5	Pass
				0	120	-0.472	-0.0007	-2.5 to 2.5	Pass
				10	120	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	120	-0.973	-0.0014	-2.5 to 2.5	Pass
				40	120	-0.515	-0.0007	-2.5 to 2.5	Pass
				50	120	0.172	0.0002	-2.5 to 2.5	Pass

2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	102	-0.987	-0.0015	-2.5 to 2.5	Pass
					120	-1.860	-0.0028	-2.5 to 2.5	Pass
					138	-0.801	-0.0012	-2.5 to 2.5	Pass
				-30	120	-0.730	-0.0011	-2.5 to 2.5	Pass
				-20	120	-1.173	-0.0017	-2.5 to 2.5	Pass
				-10	120	-1.159	-0.0017	-2.5 to 2.5	Pass
				0	120	-0.644	-0.0010	-2.5 to 2.5	Pass
				10	120	-1.302	-0.0019	-2.5 to 2.5	Pass
				30	120	-1.173	-0.0017	-2.5 to 2.5	Pass
				40	120	-1.144	-0.0017	-2.5 to 2.5	Pass
				50	120	-1.445	-0.0021	-2.5 to 2.5	Pass
	683	100	0	20	102	-0.715	-0.0010	-2.5 to 2.5	Pass
					120	-0.243	-0.0004	-2.5 to 2.5	Pass
					138	-1.159	-0.0017	-2.5 to 2.5	Pass
				-30	120	-0.486	-0.0007	-2.5 to 2.5	Pass
				-20	120	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	120	-0.601	-0.0009	-2.5 to 2.5	Pass
				0	120	-1.602	-0.0023	-2.5 to 2.5	Pass
				10	120	-0.687	-0.0010	-2.5 to 2.5	Pass
				30	120	0.029	0.0000	-2.5 to 2.5	Pass
				40	120	-1.330	-0.0019	-2.5 to 2.5	Pass
				50	120	-0.787	-0.0012	-2.5 to 2.5	Pass
	688	100	0	20	102	-1.330	-0.0019	-2.5 to 2.5	Pass
					120	-0.987	-0.0014	-2.5 to 2.5	Pass
					138	-0.587	-0.0009	-2.5 to 2.5	Pass
				-30	120	-1.216	-0.0018	-2.5 to 2.5	Pass
				-20	120	-1.774	-0.0026	-2.5 to 2.5	Pass
				-10	120	-1.044	-0.0015	-2.5 to 2.5	Pass
				0	120	-0.744	-0.0011	-2.5 to 2.5	Pass
				10	120	-1.659	-0.0024	-2.5 to 2.5	Pass
				30	120	-0.973	-0.0014	-2.5 to 2.5	Pass
				40	120	-1.316	-0.0019	-2.5 to 2.5	Pass
				50	120	-0.629	-0.0009	-2.5 to 2.5	Pass
16QAM	673	100	0	20	102	-1.273	-0.0019	-2.5 to 2.5	Pass
					120	-0.944	-0.0014	-2.5 to 2.5	Pass
					138	-0.715	-0.0011	-2.5 to 2.5	Pass
				-30	120	-0.701	-0.0010	-2.5 to 2.5	Pass
				-20	120	-1.173	-0.0017	-2.5 to 2.5	Pass
				-10	120	-1.688	-0.0025	-2.5 to 2.5	Pass
				0	120	-1.316	-0.0020	-2.5 to 2.5	Pass
				10	120	-1.473	-0.0022	-2.5 to 2.5	Pass
				30	120	-0.844	-0.0013	-2.5 to 2.5	Pass
				40	120	-0.758	-0.0011	-2.5 to 2.5	Pass
				50	120	-1.230	-0.0018	-2.5 to 2.5	Pass
	683	100	0	20	102	-0.558	-0.0008	-2.5 to 2.5	Pass
					120	-0.801	-0.0012	-2.5 to 2.5	Pass
					138	-0.443	-0.0006	-2.5 to 2.5	Pass
				-30	120	-0.672	-0.0010	-2.5 to 2.5	Pass
				-20	120	-0.472	-0.0007	-2.5 to 2.5	Pass
				-10	120	-1.316	-0.0019	-2.5 to 2.5	Pass
				0	120	-0.758	-0.0011	-2.5 to 2.5	Pass
				10	120	-0.744	-0.0011	-2.5 to 2.5	Pass
				30	120	0.000	0.0000	-2.5 to 2.5	Pass
				40	120	-0.629	-0.0009	-2.5 to 2.5	Pass
				50	120	-0.572	-0.0008	-2.5 to 2.5	Pass

	688	100	0	20	102	-1.774	-0.0026	-2.5 to 2.5	Pass
					120	-1.073	-0.0016	-2.5 to 2.5	Pass
					138	-1.016	-0.0015	-2.5 to 2.5	Pass
				-30	120	-1.130	-0.0016	-2.5 to 2.5	Pass
				-20	120	-0.916	-0.0013	-2.5 to 2.5	Pass
				-10	120	-0.772	-0.0011	-2.5 to 2.5	Pass
				0	120	-1.445	-0.0021	-2.5 to 2.5	Pass
				10	120	-1.659	-0.0024	-2.5 to 2.5	Pass
				30	120	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	120	-0.973	-0.0014	-2.5 to 2.5	Pass
				50	120	-1.345	-0.0020	-2.5 to 2.5	Pass
64QAM	673	100	0	20	102	-0.343	-0.0005	-2.5 to 2.5	Pass
					120	-0.701	-0.0010	-2.5 to 2.5	Pass
					138	-1.316	-0.0020	-2.5 to 2.5	Pass
				-30	120	-0.501	-0.0007	-2.5 to 2.5	Pass
				-20	120	-1.187	-0.0018	-2.5 to 2.5	Pass
				-10	120	-0.572	-0.0008	-2.5 to 2.5	Pass
				0	120	-0.858	-0.0013	-2.5 to 2.5	Pass
				10	120	-0.844	-0.0013	-2.5 to 2.5	Pass
				30	120	-1.273	-0.0019	-2.5 to 2.5	Pass
				40	120	-0.615	-0.0009	-2.5 to 2.5	Pass
				50	120	-1.173	-0.0017	-2.5 to 2.5	Pass
	683	100	0	20	102	-0.658	-0.0010	-2.5 to 2.5	Pass
					120	-0.043	-0.0001	-2.5 to 2.5	Pass
					138	-0.186	-0.0003	-2.5 to 2.5	Pass
				-30	120	-1.731	-0.0025	-2.5 to 2.5	Pass
				-20	120	-0.730	-0.0011	-2.5 to 2.5	Pass
				-10	120	-1.502	-0.0022	-2.5 to 2.5	Pass
				0	120	-1.059	-0.0016	-2.5 to 2.5	Pass
				10	120	-1.488	-0.0022	-2.5 to 2.5	Pass
				30	120	-0.014	0.0000	-2.5 to 2.5	Pass
				40	120	-0.572	-0.0008	-2.5 to 2.5	Pass
				50	120	-0.701	-0.0010	-2.5 to 2.5	Pass
	688	100	0	20	102	0.315	0.0005	-2.5 to 2.5	Pass
					120	0.243	0.0004	-2.5 to 2.5	Pass
					138	-1.073	-0.0016	-2.5 to 2.5	Pass
				-30	120	-1.116	-0.0016	-2.5 to 2.5	Pass
				-20	120	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	120	-0.257	-0.0004	-2.5 to 2.5	Pass
				0	120	0.014	0.0000	-2.5 to 2.5	Pass
				10	120	-0.515	-0.0007	-2.5 to 2.5	Pass
				30	120	-0.358	-0.0005	-2.5 to 2.5	Pass
				40	120	-0.329	-0.0005	-2.5 to 2.5	Pass
				50	120	-0.086	-0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Band71_OBW

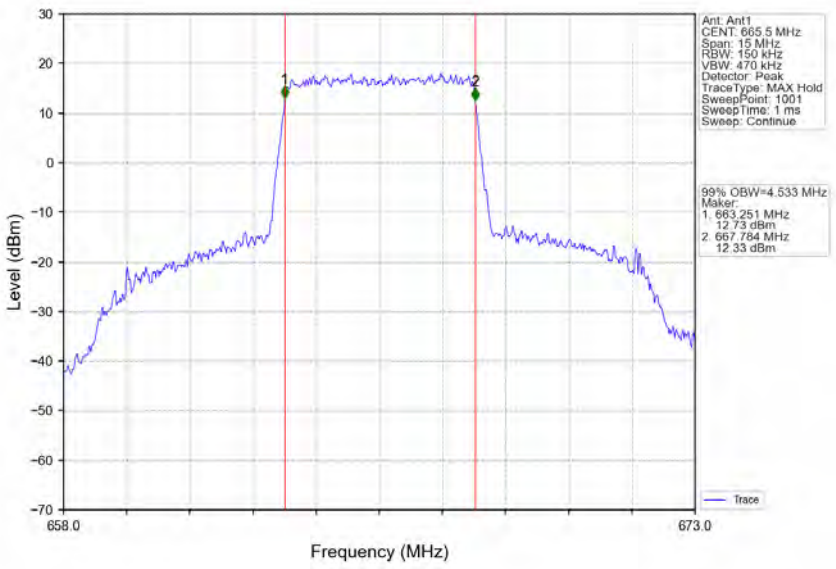
3.1.1 Test Result

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	4.533	/	Pass

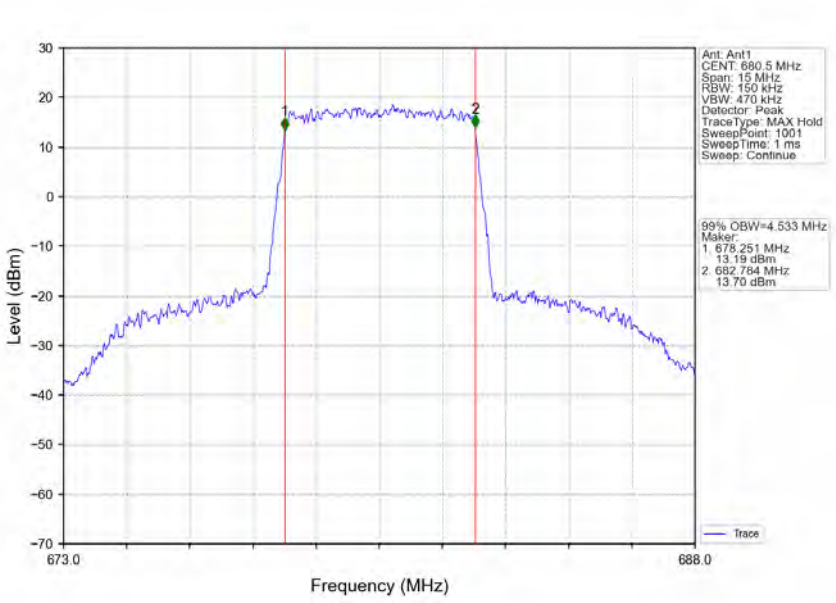
		680.5	25	0	4.533	/	Pass
		695.5	25	0	4.538	/	Pass
	16QAM	665.5	25	0	4.563	/	Pass
		680.5	25	0	4.552	/	Pass
		695.5	25	0	4.529	/	Pass
	64QAM	665.5	25	0	4.558	/	Pass
		680.5	25	0	4.540	/	Pass
		695.5	25	0	4.531	/	Pass
10	QPSK	668	50	0	9.037	/	Pass
		680.5	50	0	9.041	/	Pass
		693	50	0	8.973	/	Pass
	16QAM	668	50	0	9.001	/	Pass
		680.5	50	0	9.030	/	Pass
		693	50	0	9.000	/	Pass
	64QAM	668	50	0	9.019	/	Pass
		680.5	50	0	9.038	/	Pass
		693	50	0	9.023	/	Pass
15	QPSK	670.5	75	0	13.496	/	Pass
		680.5	75	0	13.560	/	Pass
		690.5	75	0	13.461	/	Pass
	16QAM	670.5	75	0	13.489	/	Pass
		680.5	75	0	13.587	/	Pass
		690.5	75	0	13.480	/	Pass
	64QAM	670.5	75	0	13.494	/	Pass
		680.5	75	0	13.568	/	Pass
		690.5	75	0	13.478	/	Pass
20	QPSK	673	100	0	17.963	/	Pass
		683	100	0	18.048	/	Pass
		688	100	0	17.978	/	Pass
	16QAM	673	100	0	17.952	/	Pass
		683	100	0	18.038	/	Pass
		688	100	0	17.966	/	Pass
	64QAM	673	100	0	17.948	/	Pass
		683	100	0	18.067	/	Pass
		688	100	0	17.965	/	Pass

3.1.2 Test Graph

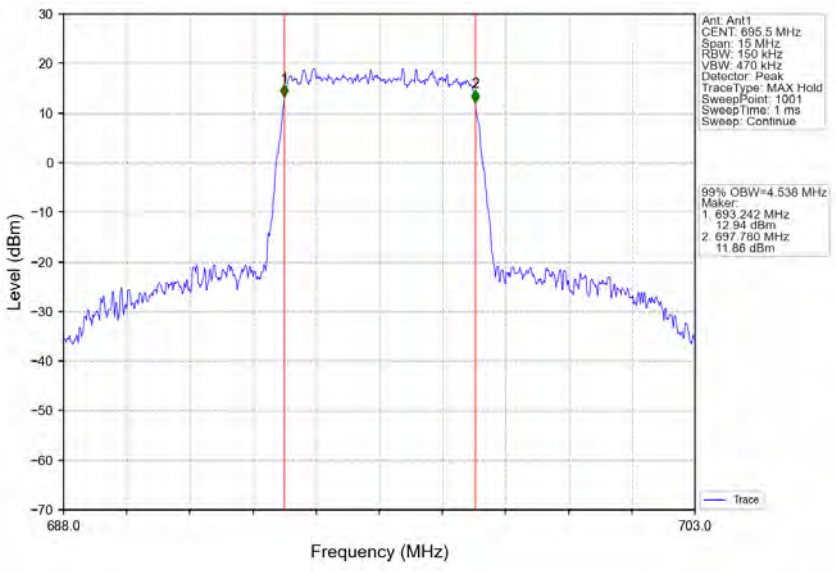
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



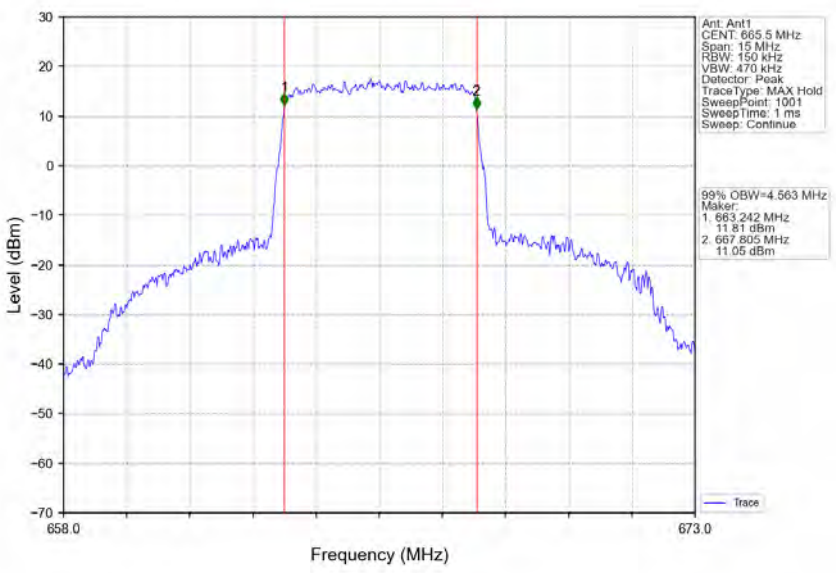
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



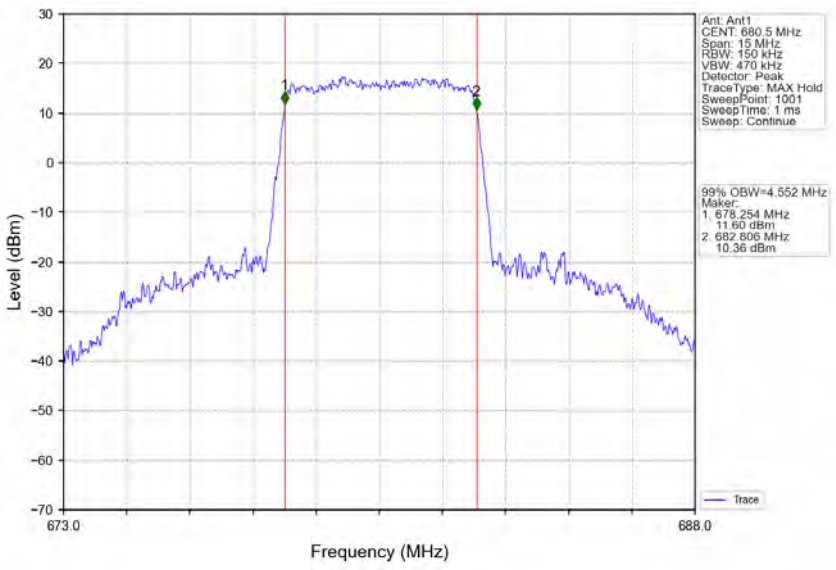
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



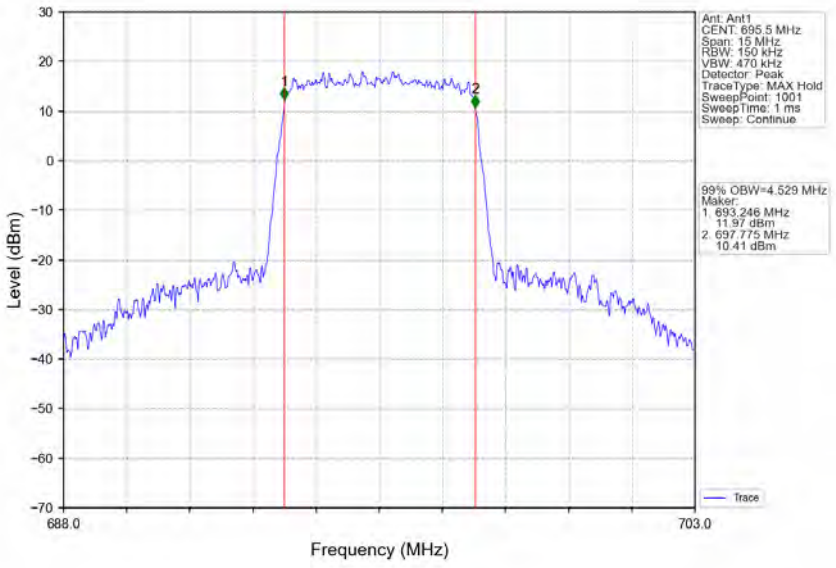
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



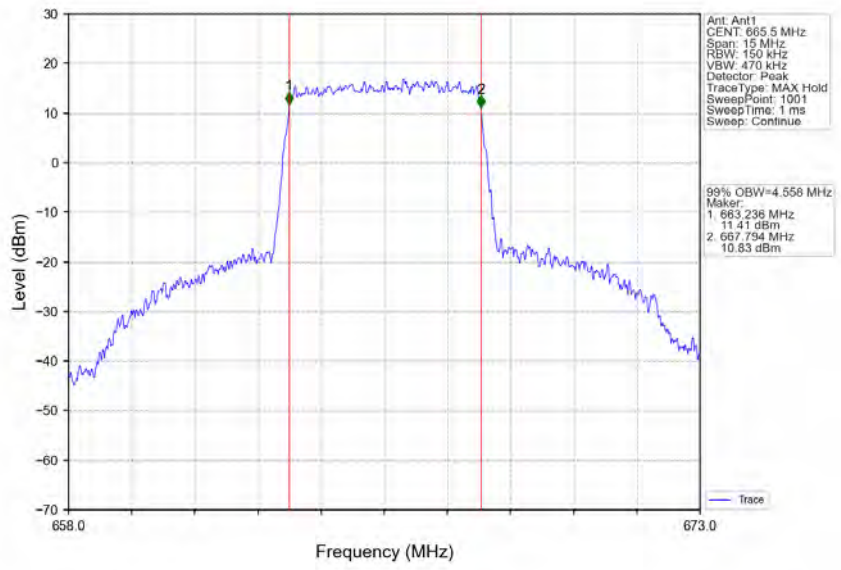
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



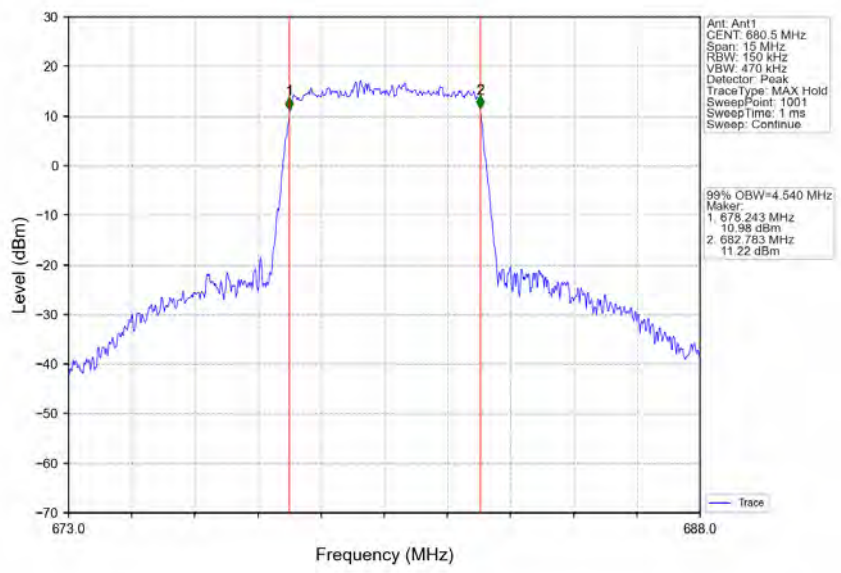
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



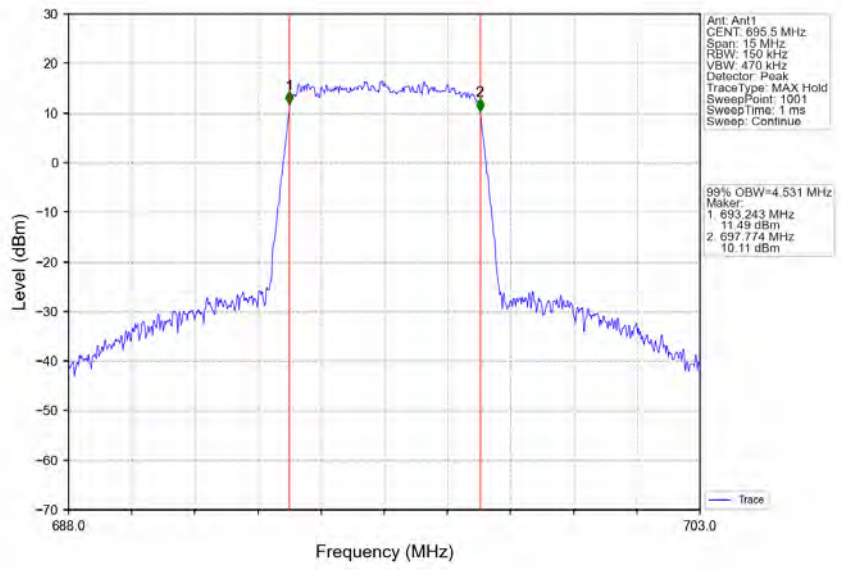
Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



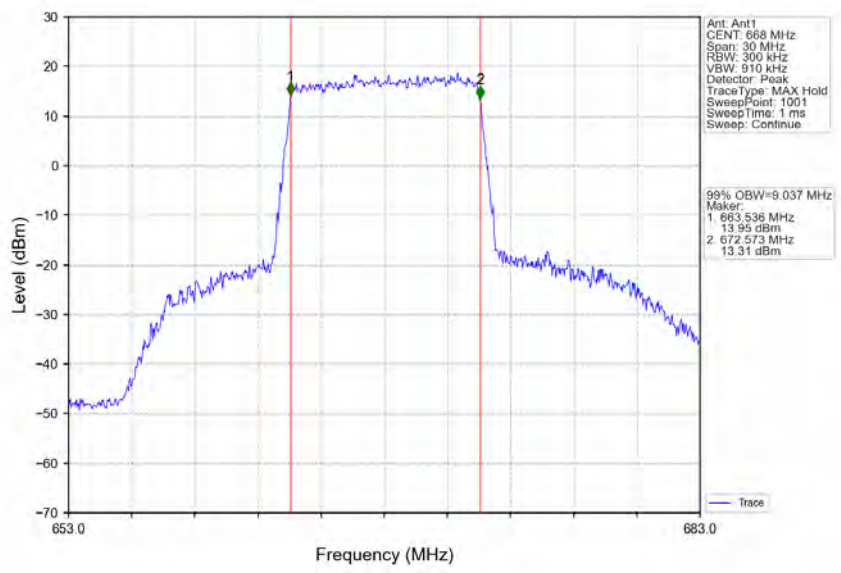
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



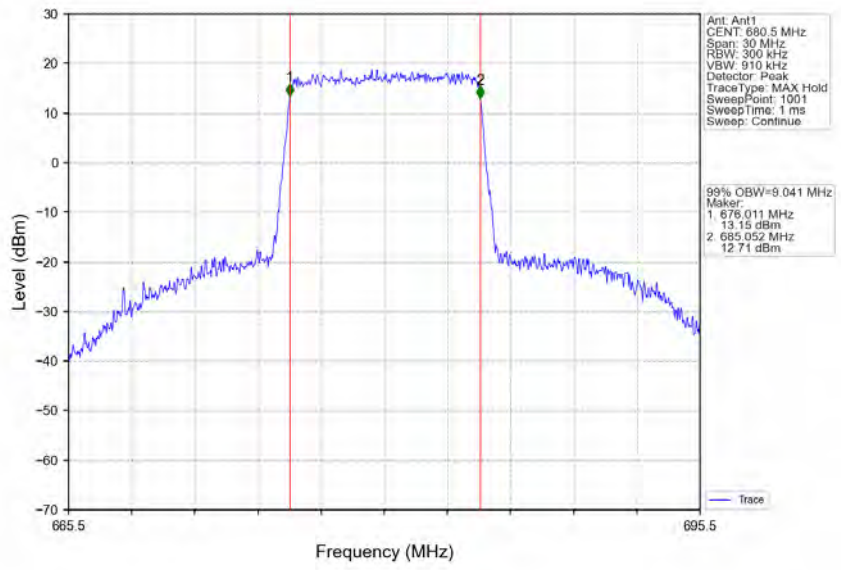
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



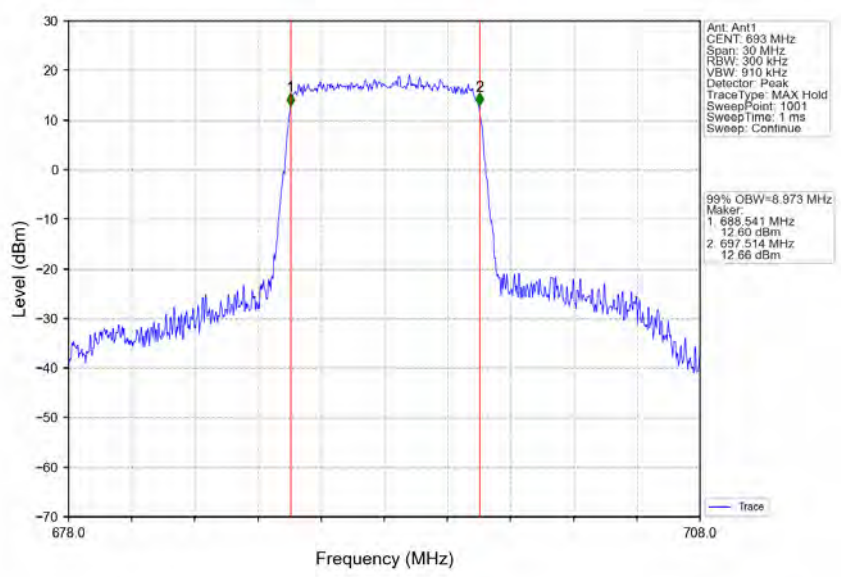
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



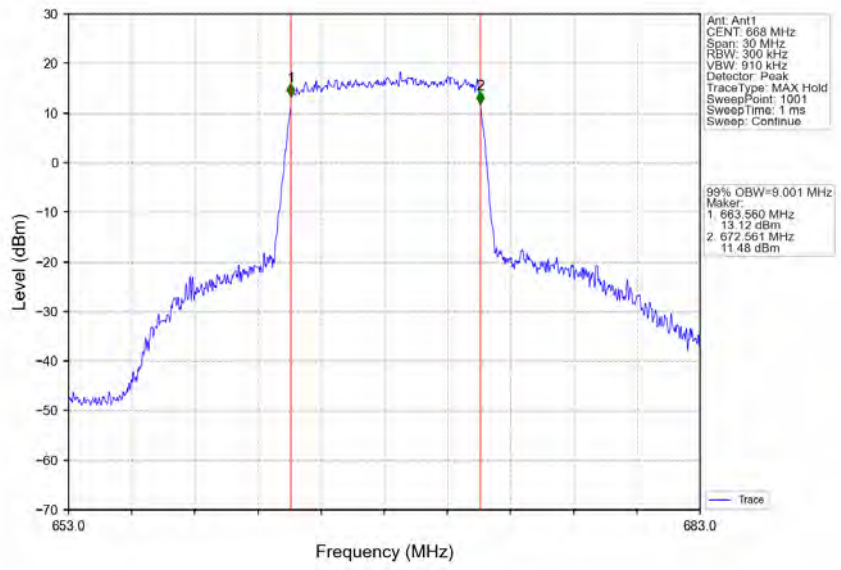
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



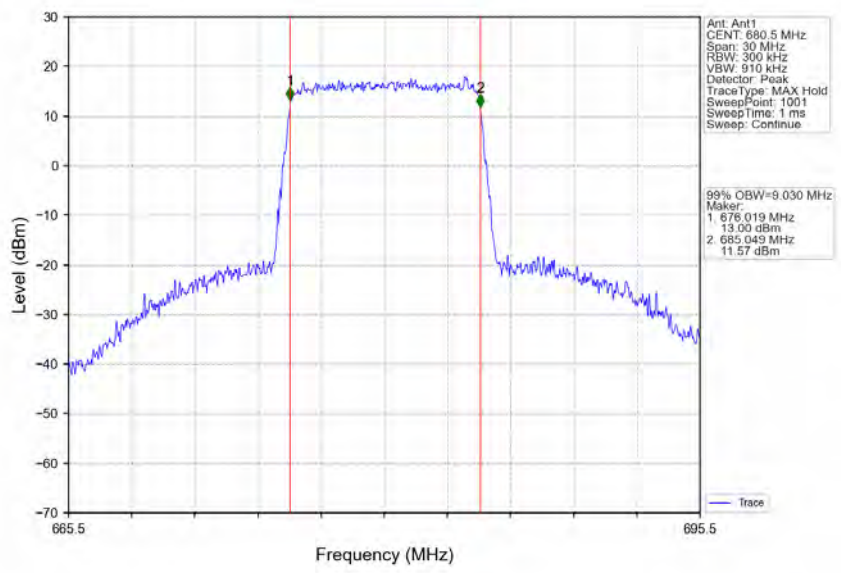
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



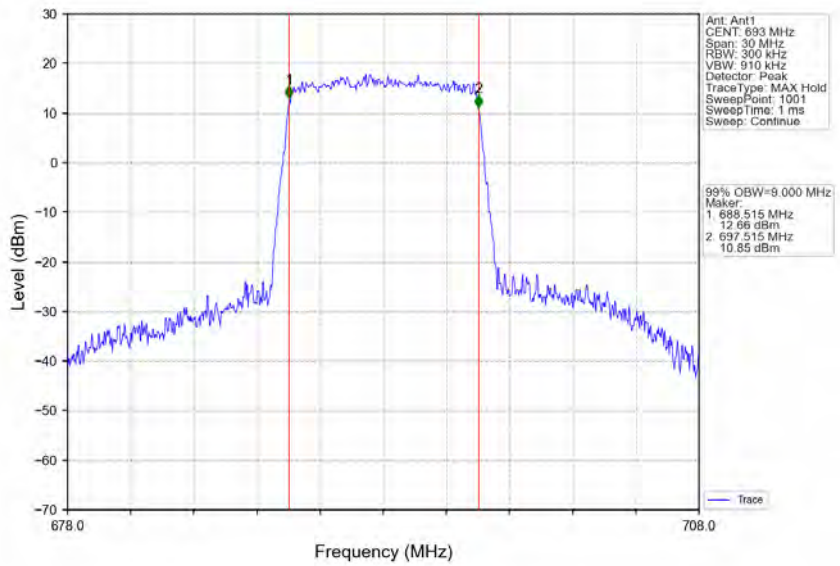
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



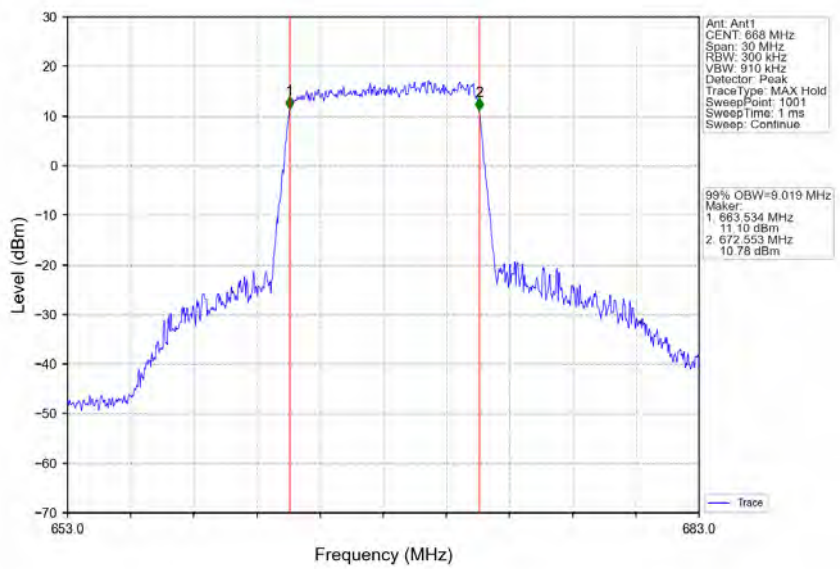
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



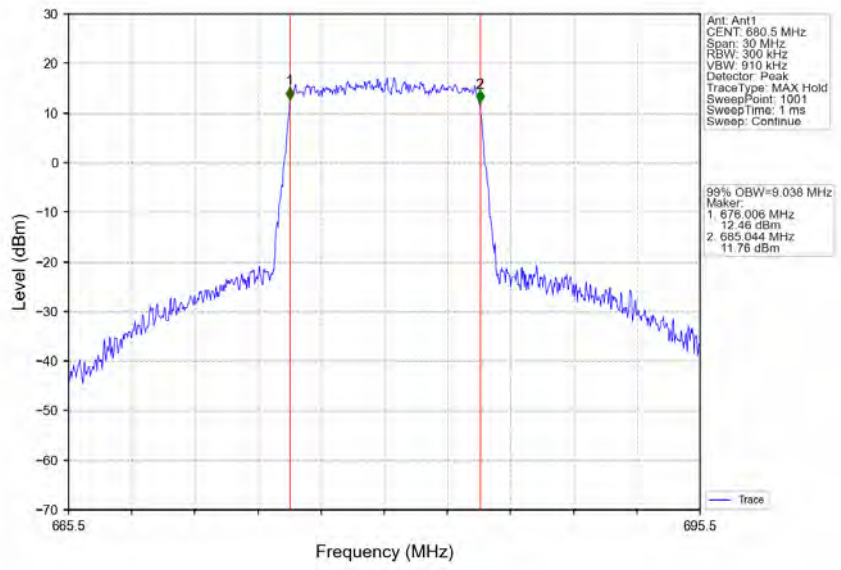
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



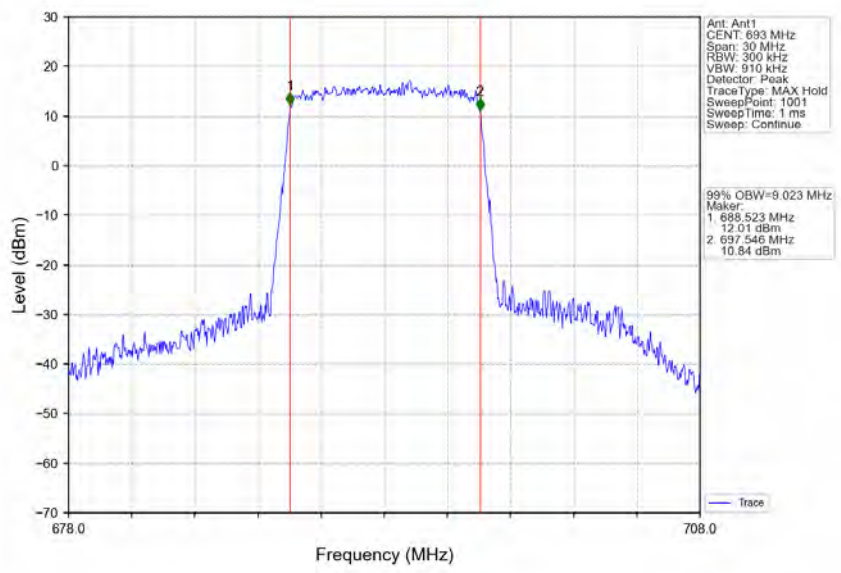
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



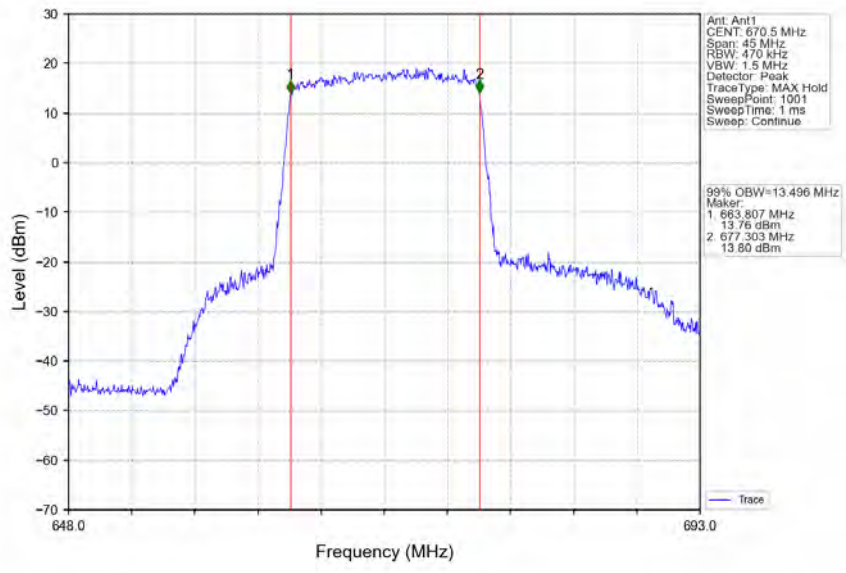
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



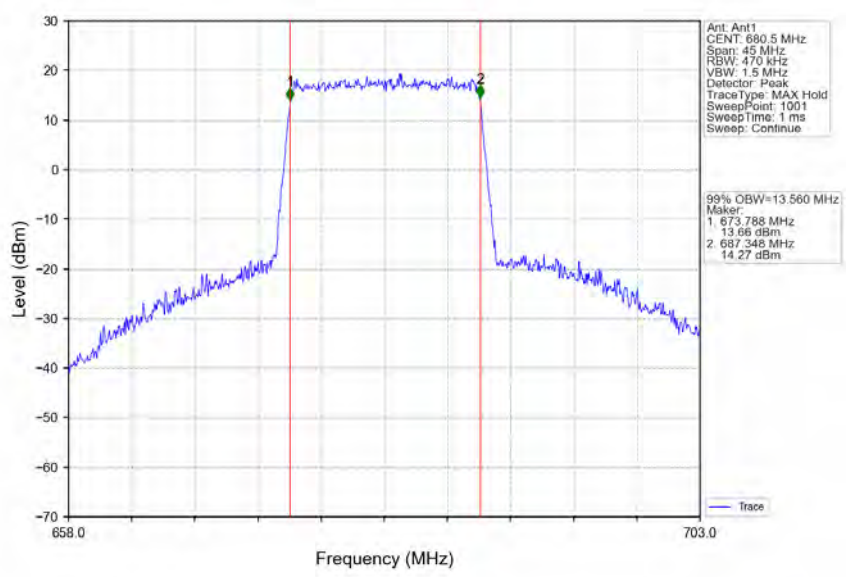
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



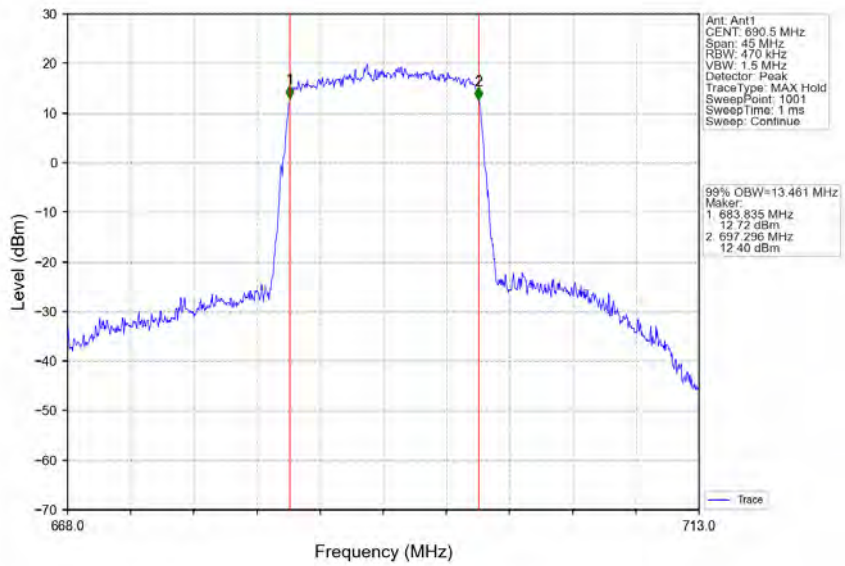
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



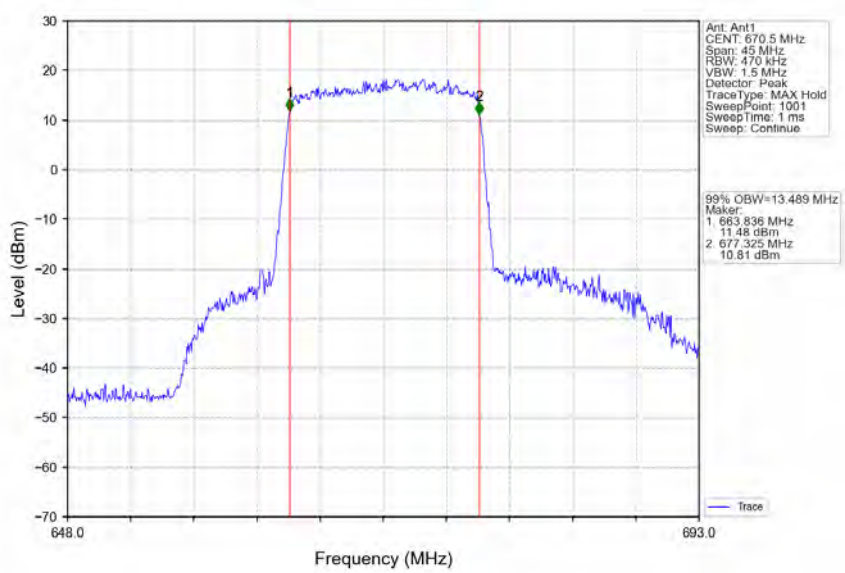
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



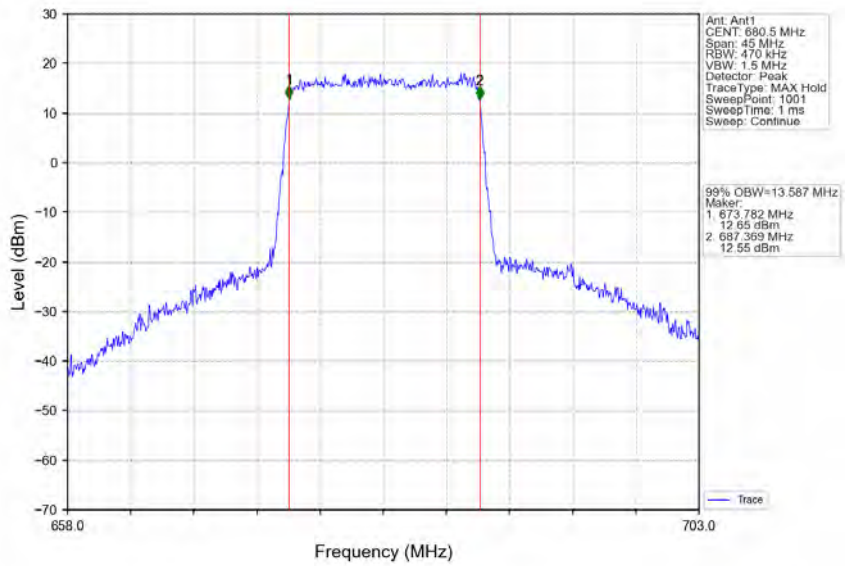
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



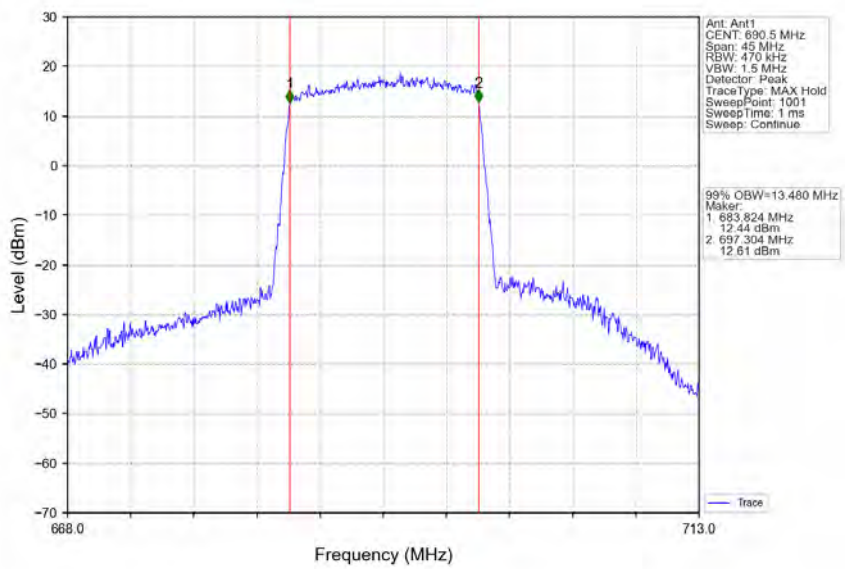
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



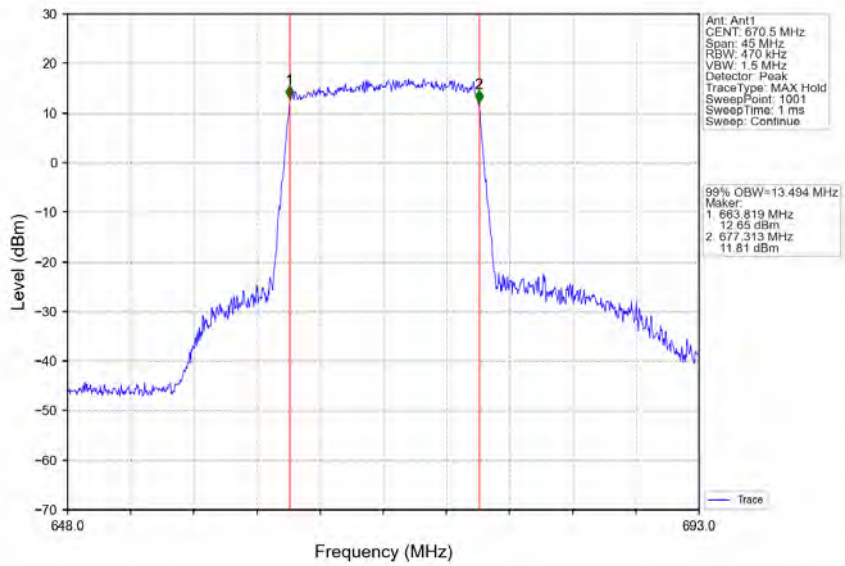
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



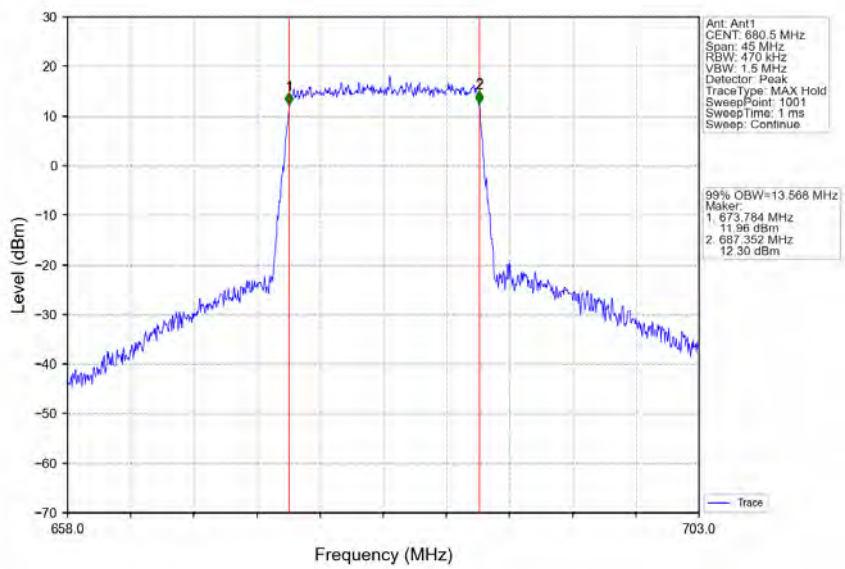
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



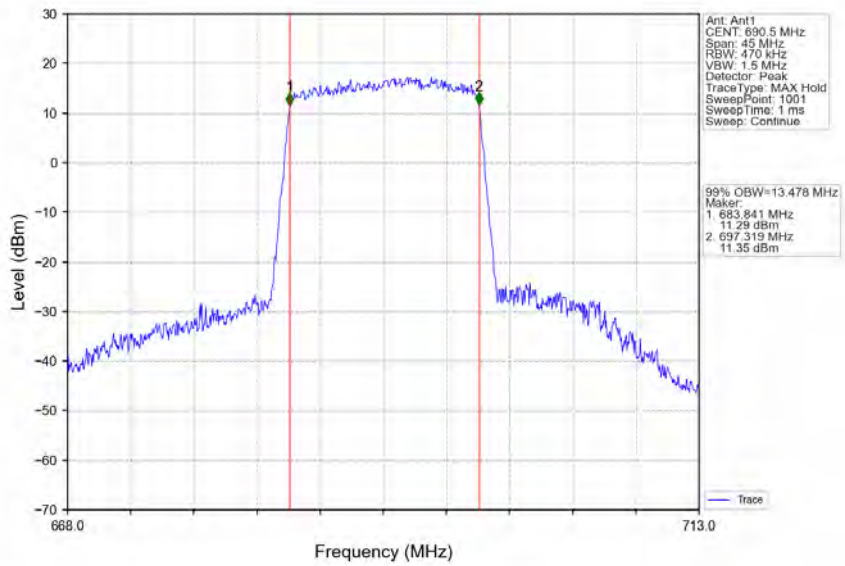
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



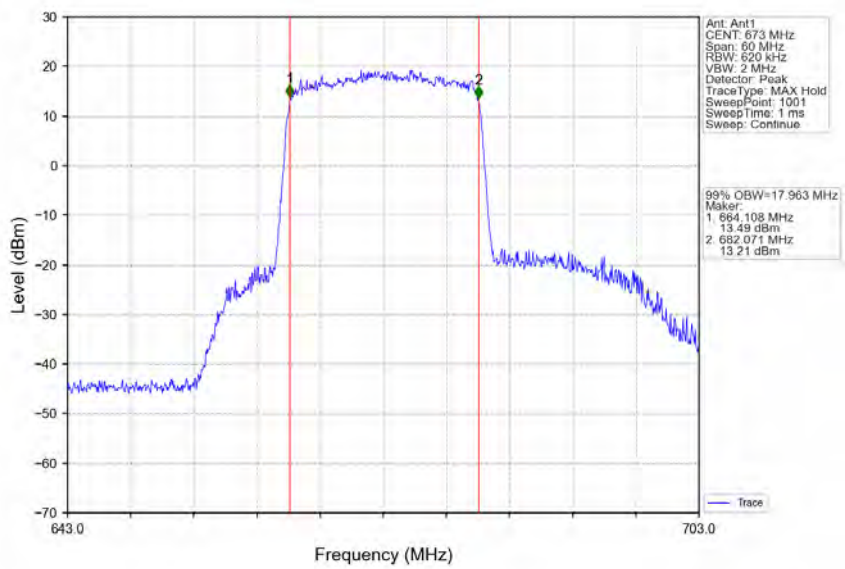
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



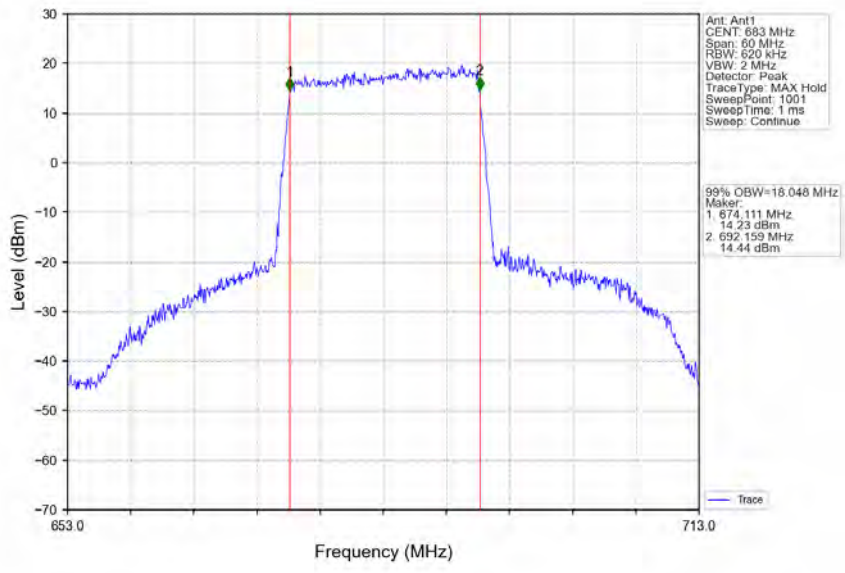
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



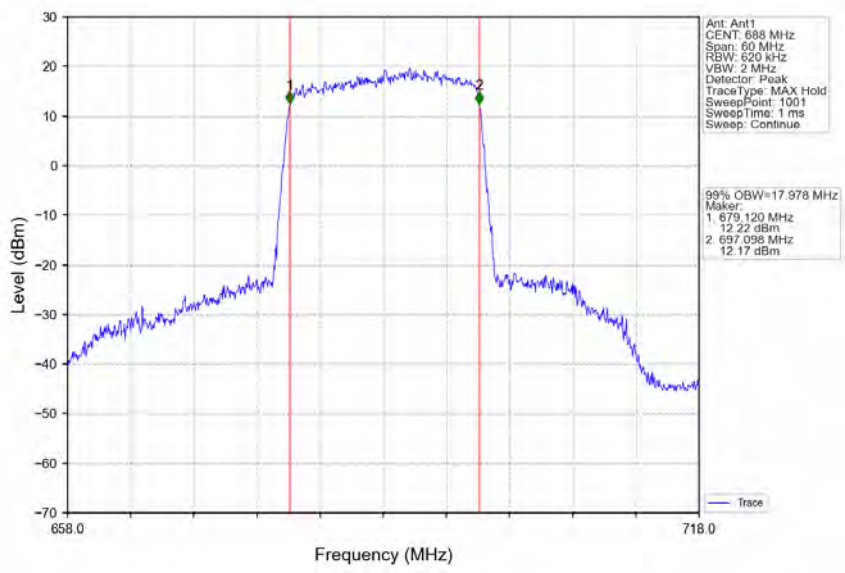
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



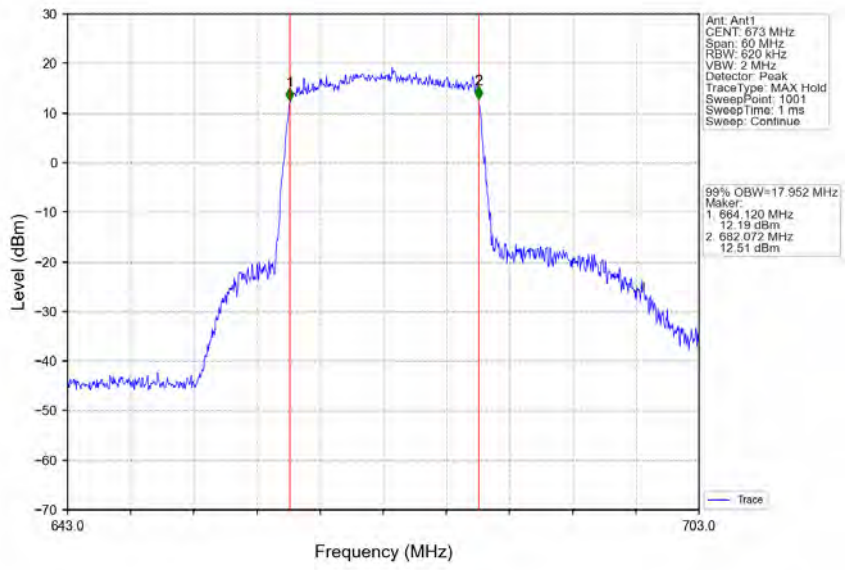
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



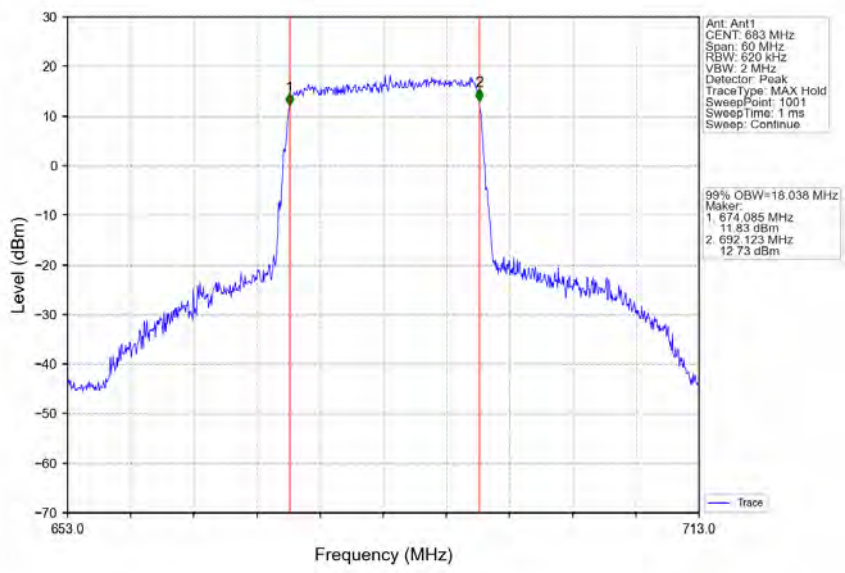
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



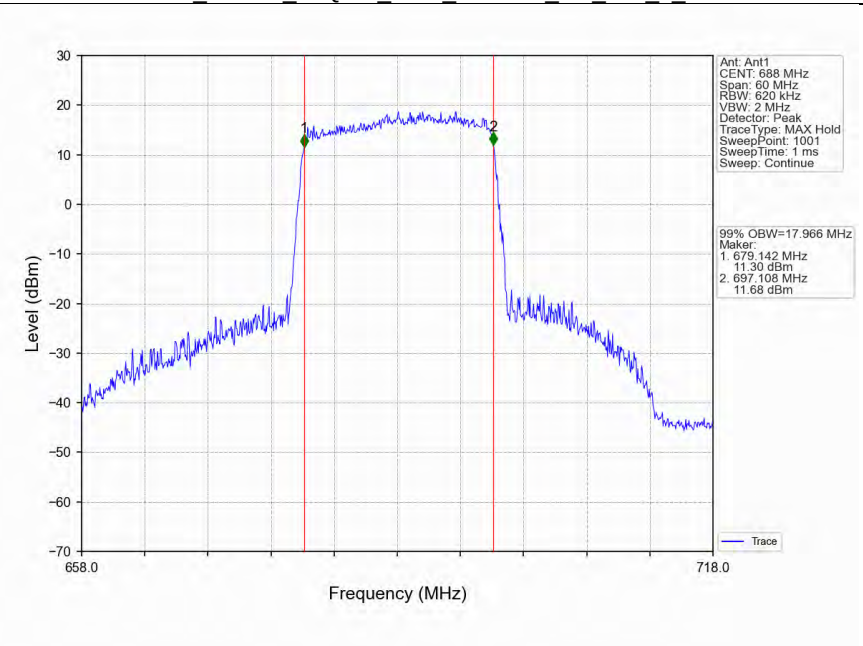
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



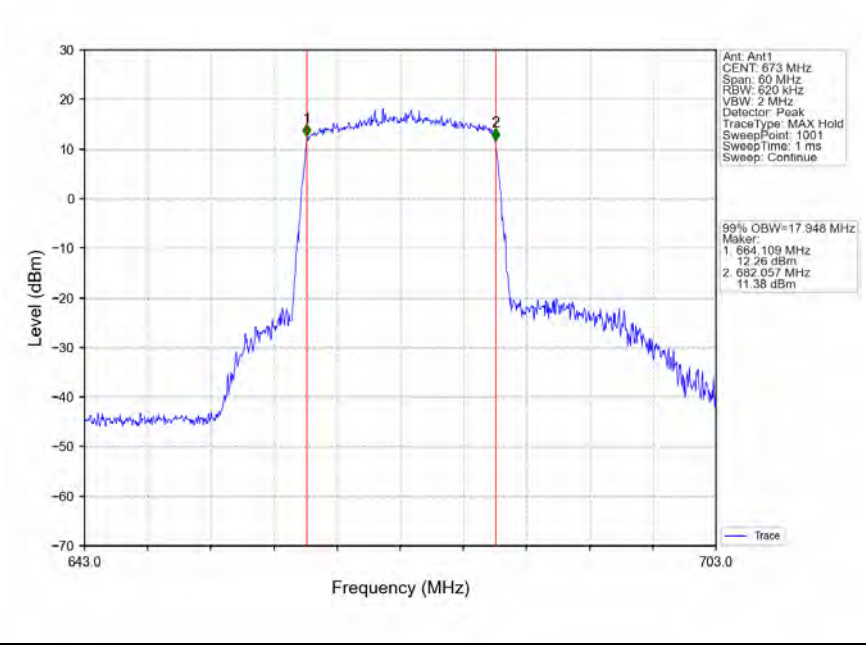
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



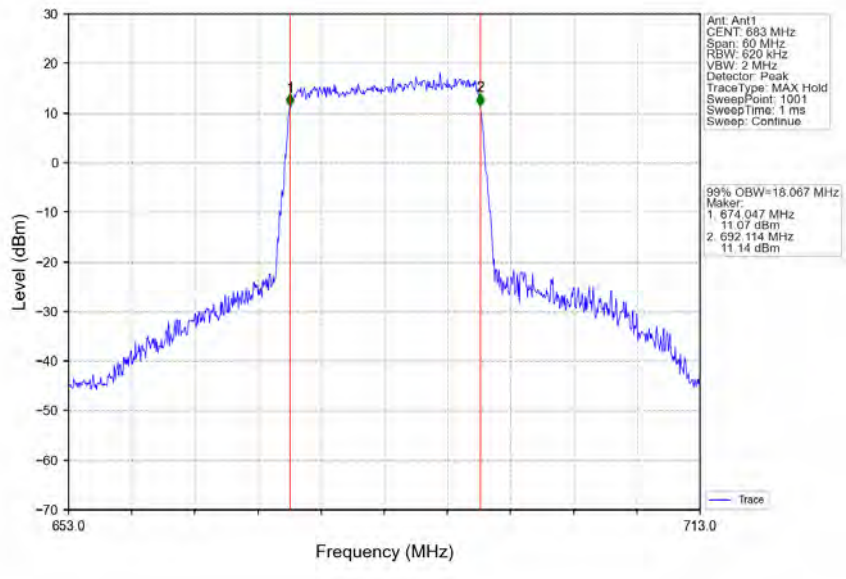
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



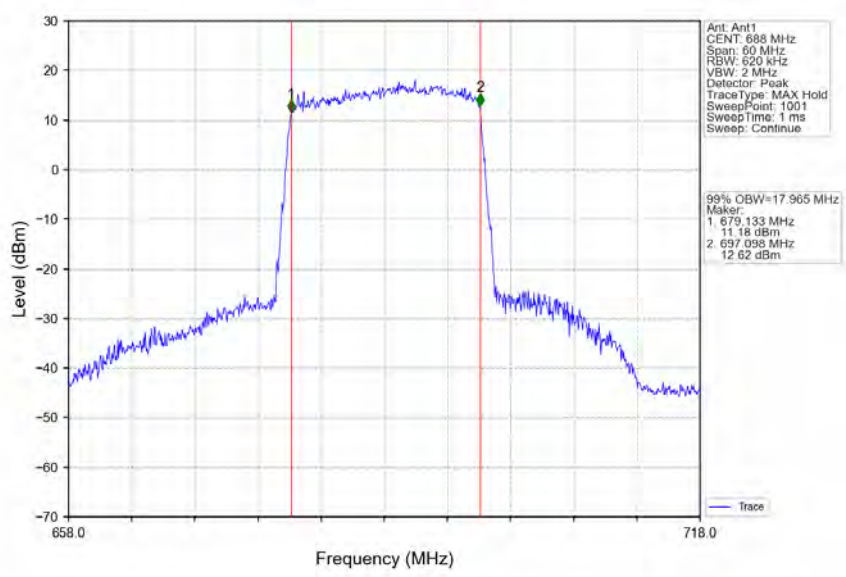
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



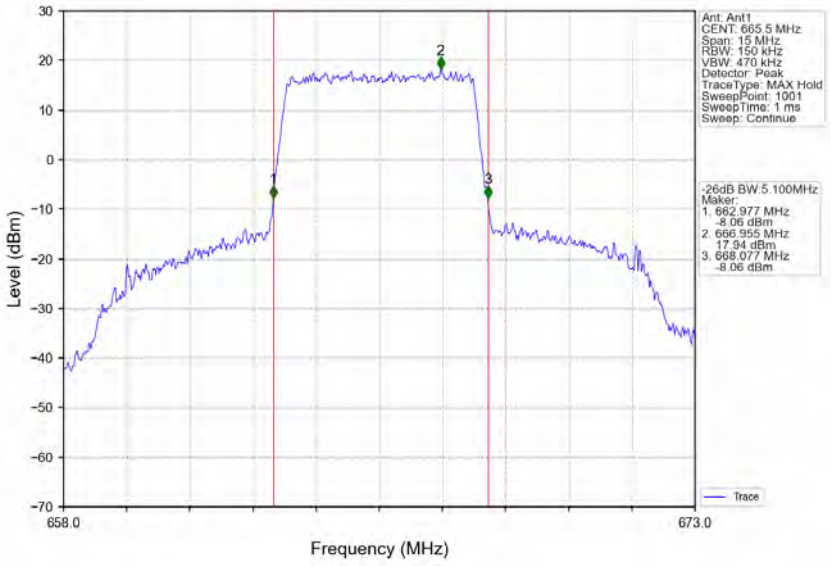
3.2 Band71_XDB

3.2.1 Test Result

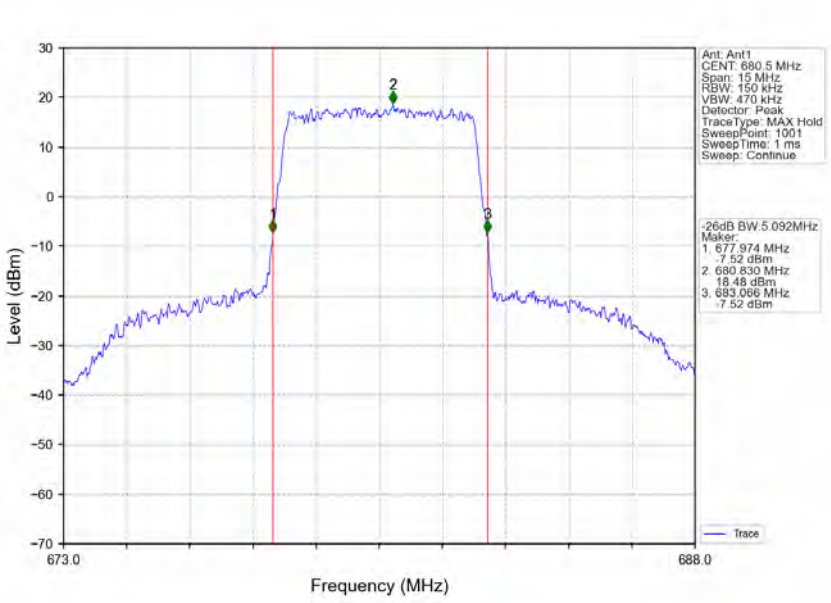
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.100	/	Pass
		680.5	25	0	5.092	/	Pass
		695.5	25	0	5.067	/	Pass
	16QAM	665.5	25	0	5.064	/	Pass
		680.5	25	0	5.085	/	Pass
		695.5	25	0	5.058	/	Pass
	64QAM	665.5	25	0	5.062	/	Pass
		680.5	25	0	5.066	/	Pass
		695.5	25	0	5.083	/	Pass
10	QPSK	668	50	0	10.041	/	Pass
		680.5	50	0	10.033	/	Pass
		693	50	0	9.914	/	Pass
	16QAM	668	50	0	9.927	/	Pass
		680.5	50	0	10.058	/	Pass
		693	50	0	9.996	/	Pass
	64QAM	668	50	0	10.037	/	Pass
		680.5	50	0	9.999	/	Pass
		693	50	0	9.996	/	Pass
15	QPSK	670.5	75	0	14.914	/	Pass
		680.5	75	0	14.936	/	Pass
		690.5	75	0	14.889	/	Pass
	16QAM	670.5	75	0	14.860	/	Pass
		680.5	75	0	14.955	/	Pass
		690.5	75	0	14.770	/	Pass
	64QAM	670.5	75	0	14.929	/	Pass
		680.5	75	0	14.937	/	Pass
		690.5	75	0	14.912	/	Pass
20	QPSK	673	100	0	19.584	/	Pass
		683	100	0	19.814	/	Pass
		688	100	0	19.751	/	Pass
	16QAM	673	100	0	19.735	/	Pass
		683	100	0	19.905	/	Pass
		688	100	0	19.768	/	Pass
	64QAM	673	100	0	19.775	/	Pass
		683	100	0	19.734	/	Pass
		688	100	0	19.615	/	Pass

3.2.2 Test Graph

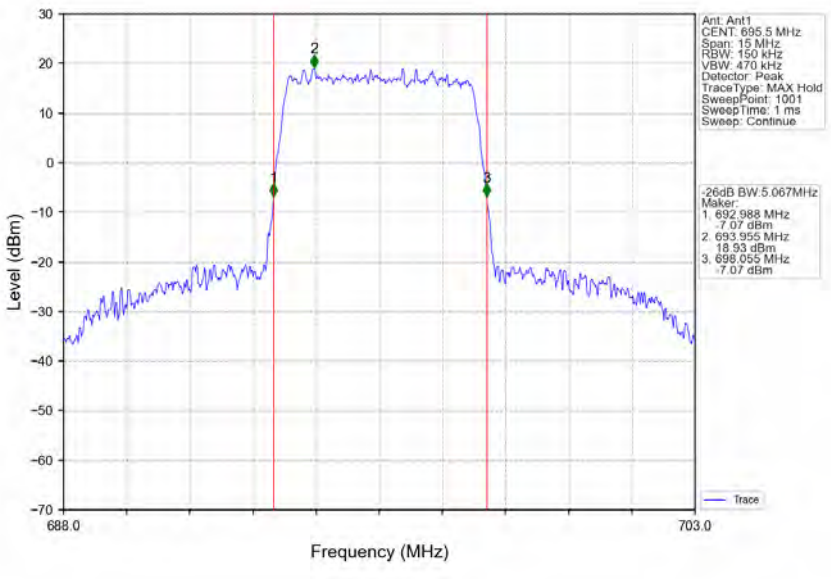
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



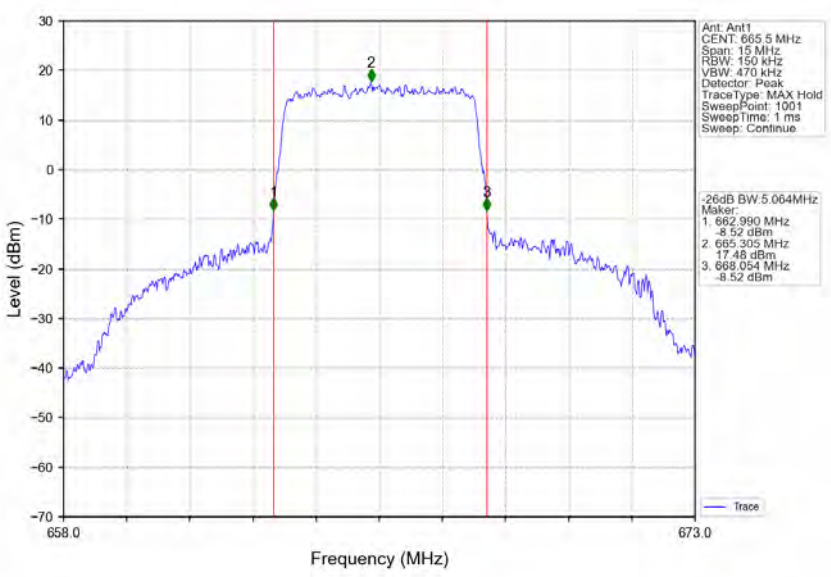
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



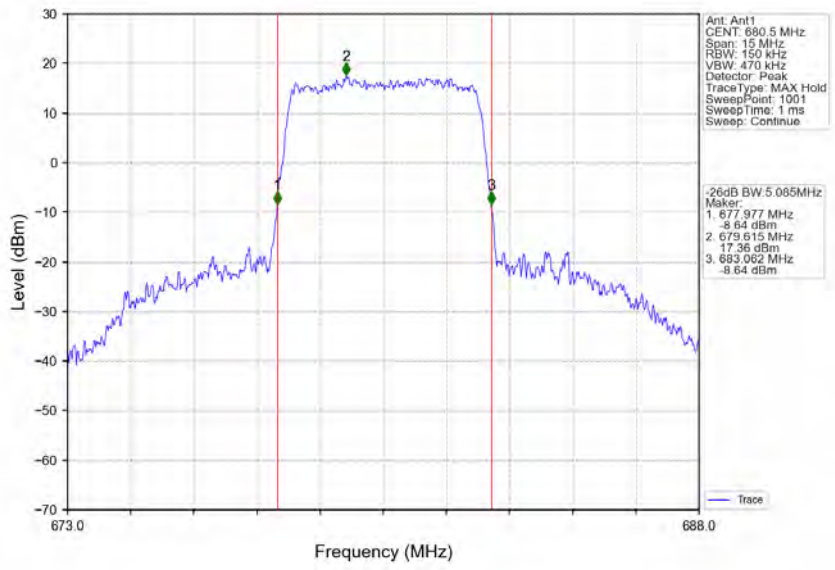
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



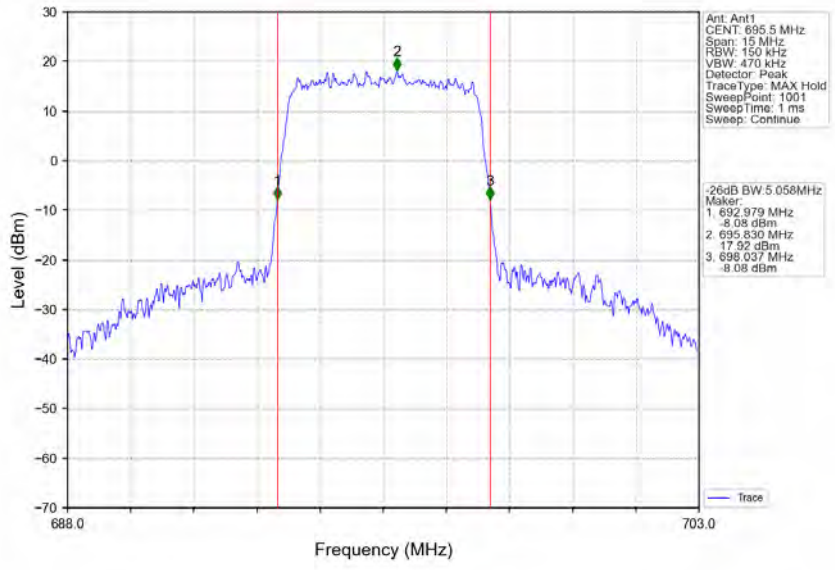
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



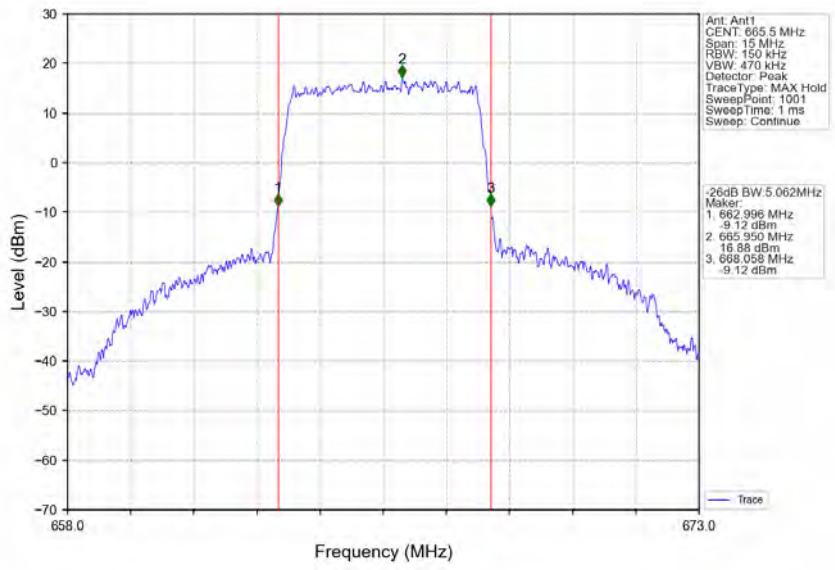
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



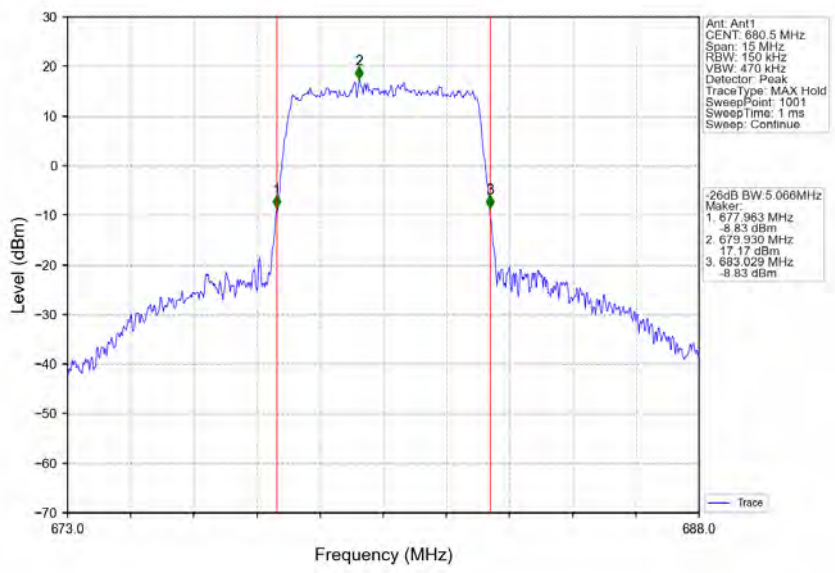
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



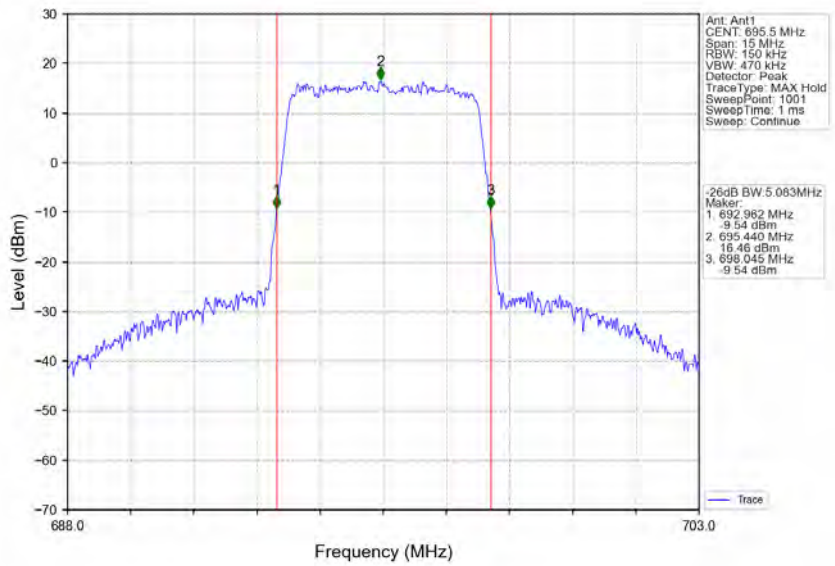
Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



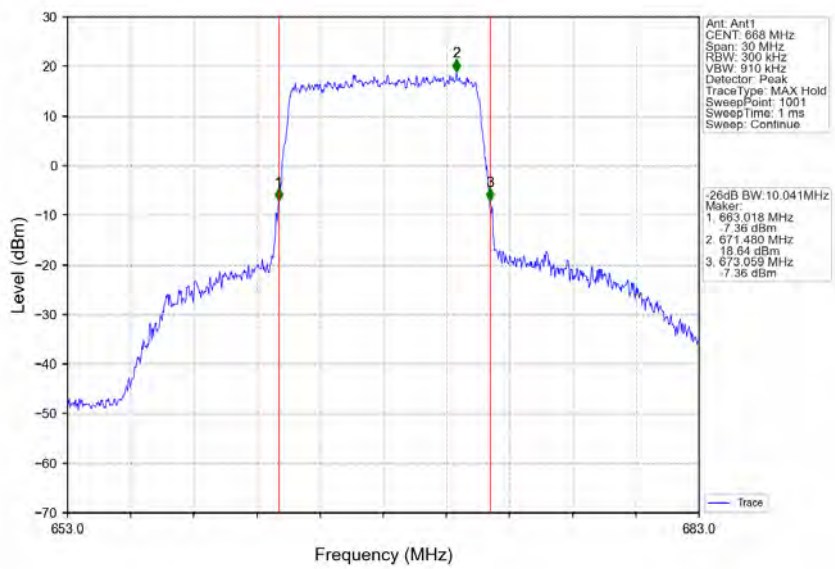
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



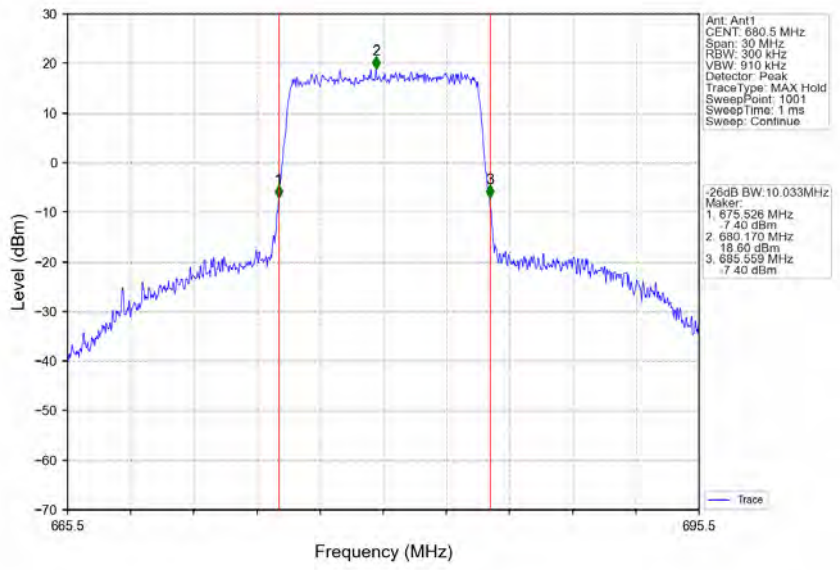
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



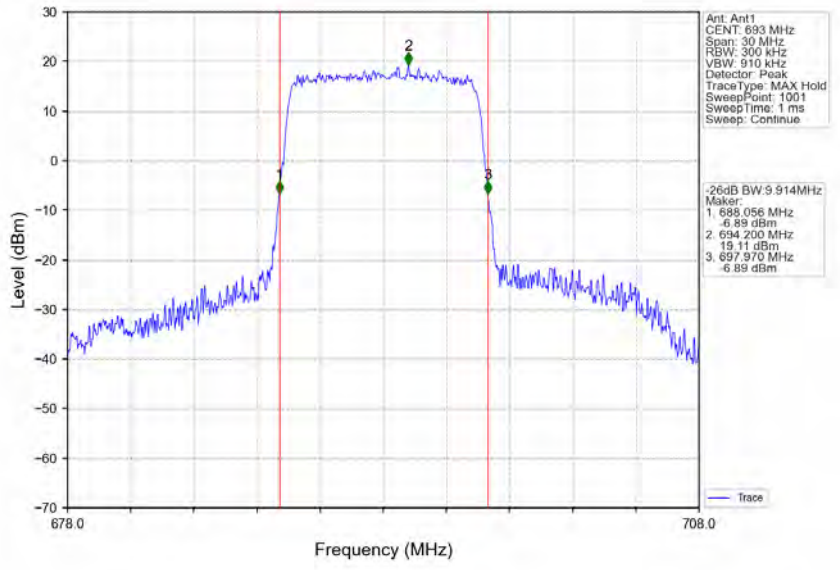
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



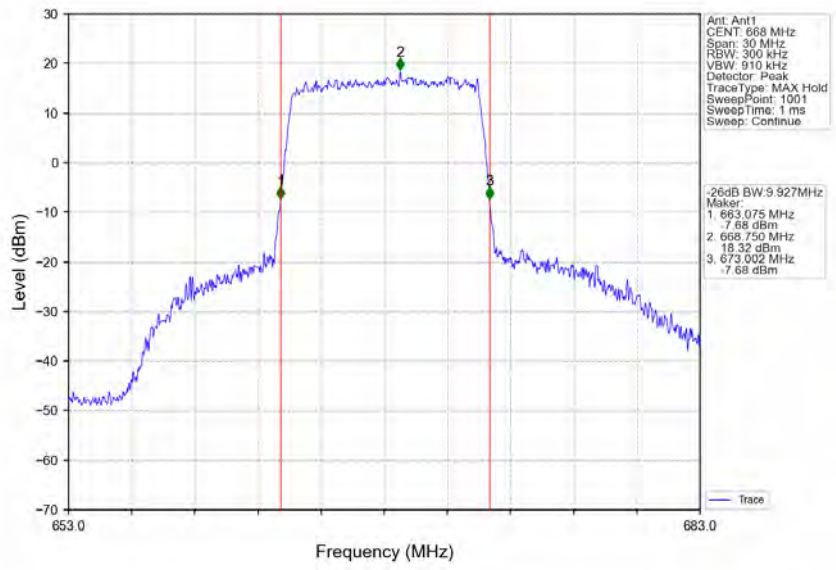
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



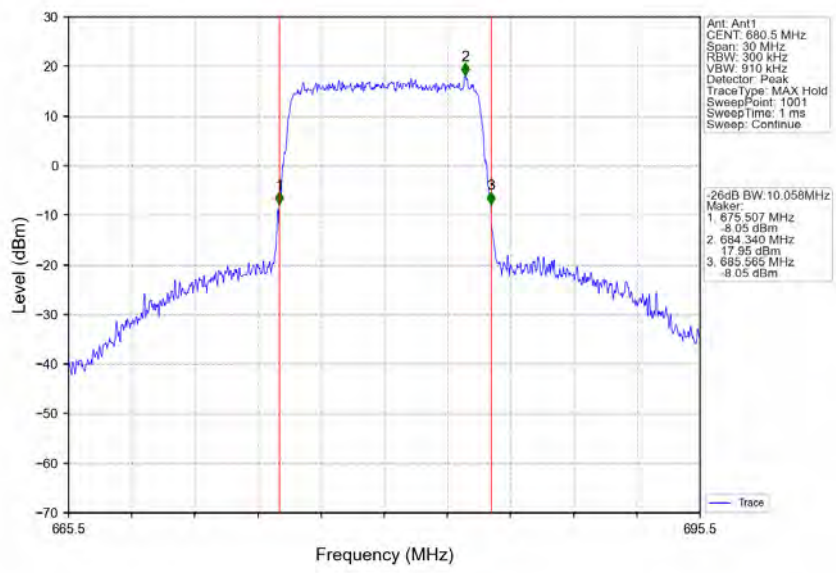
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



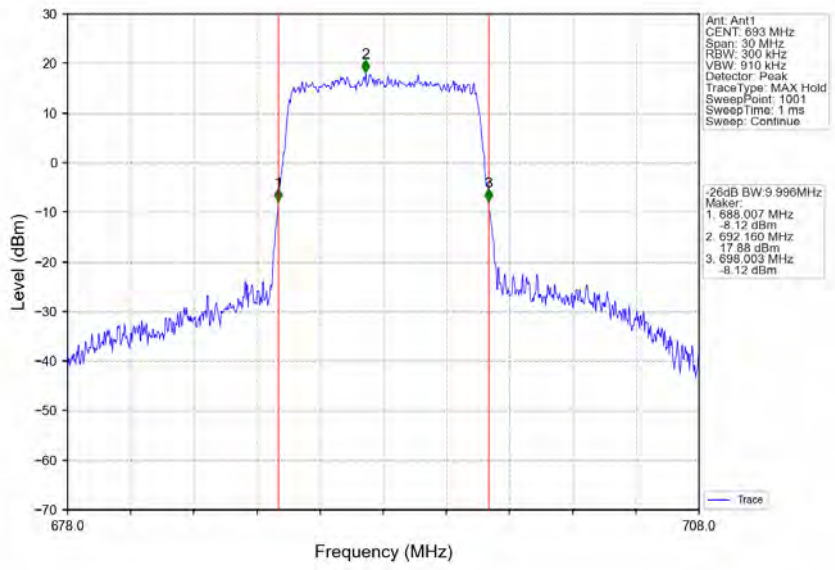
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



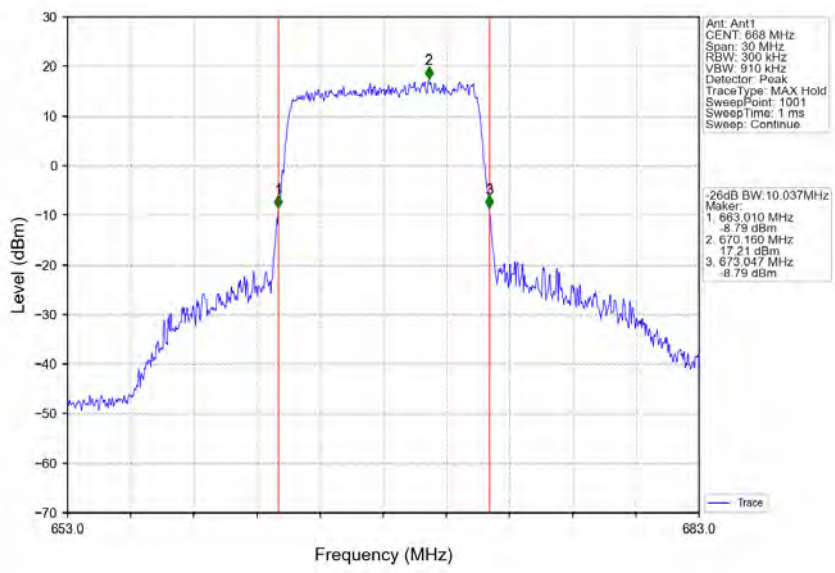
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



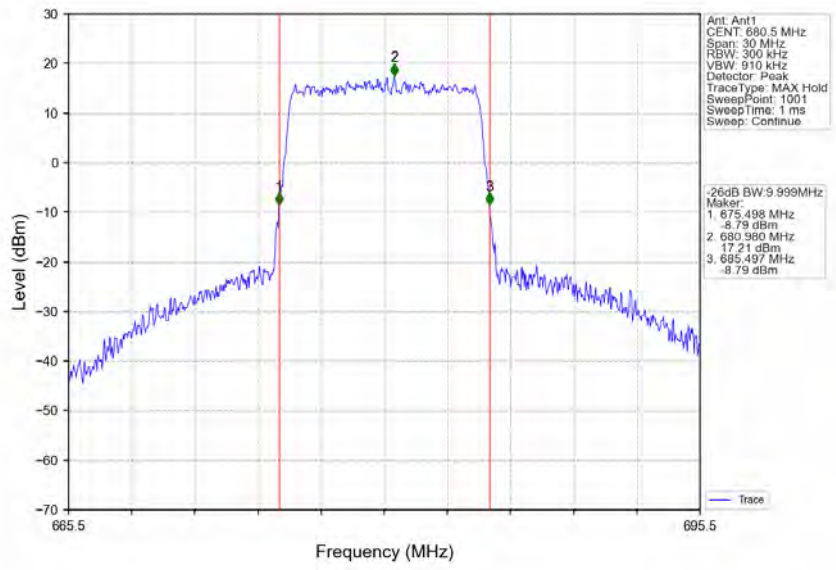
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



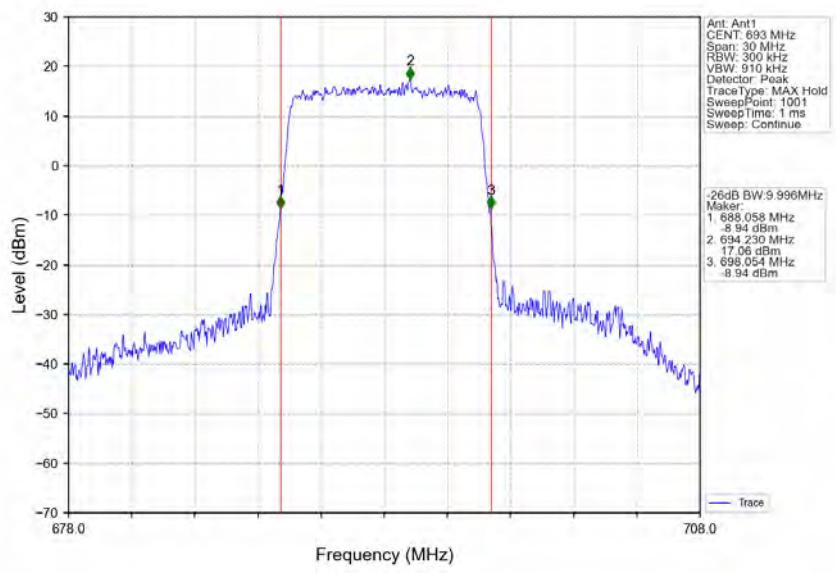
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



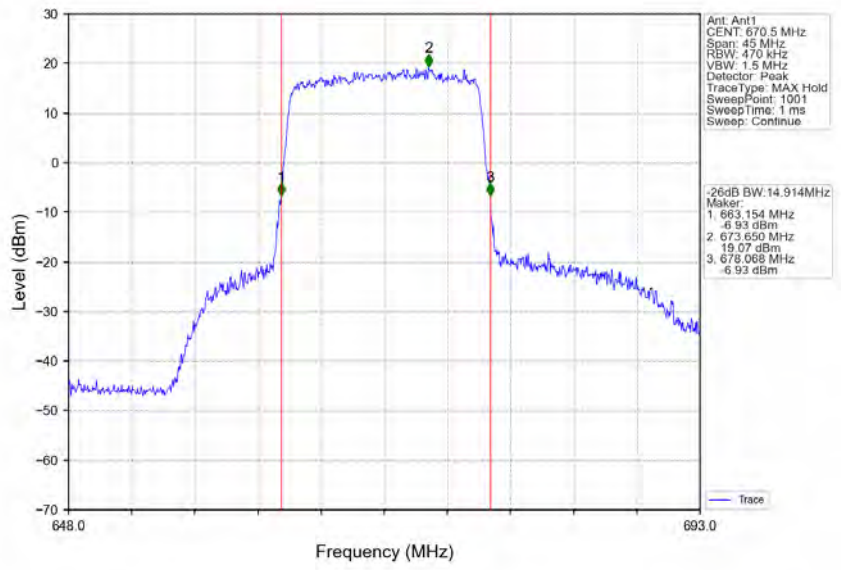
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



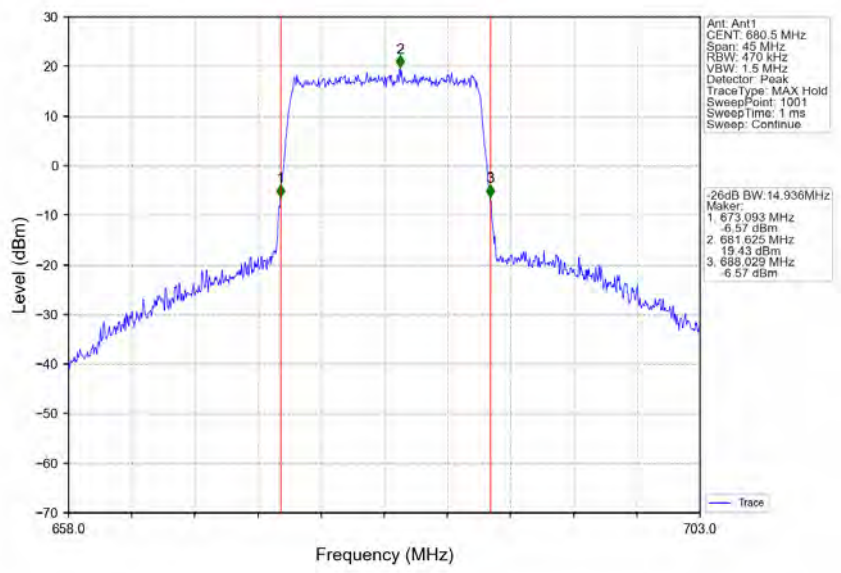
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



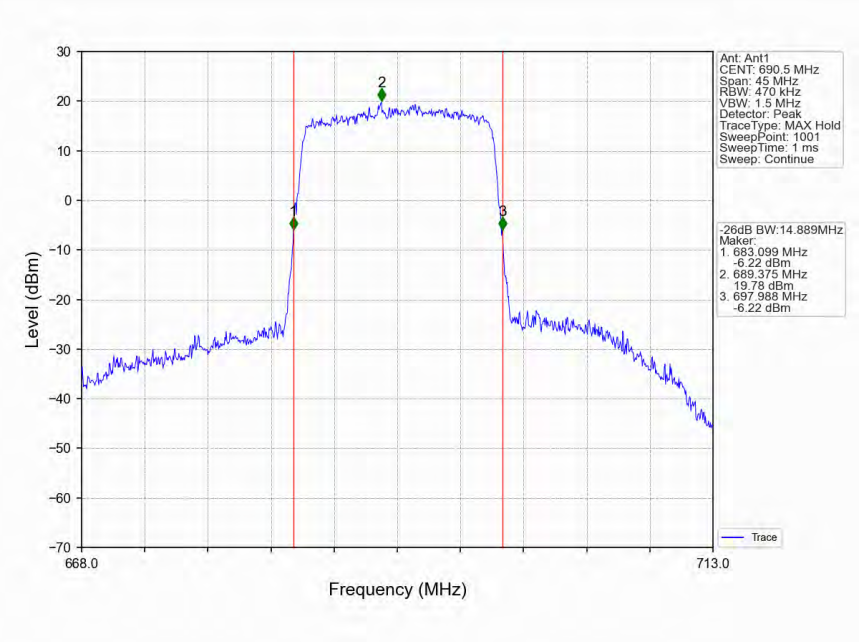
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



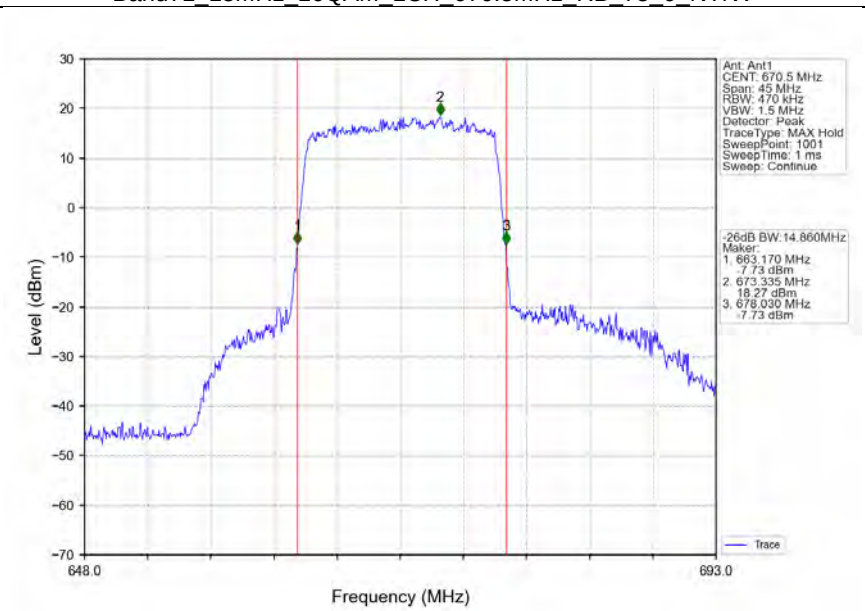
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



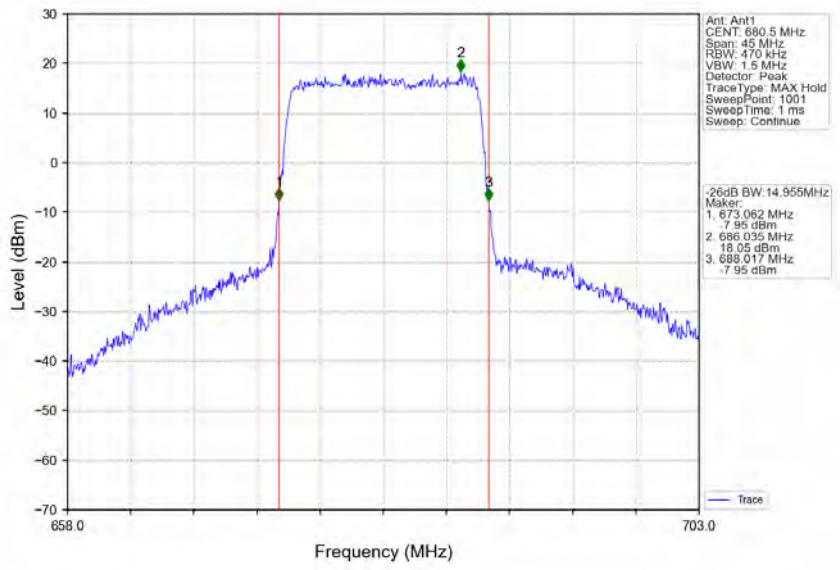
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



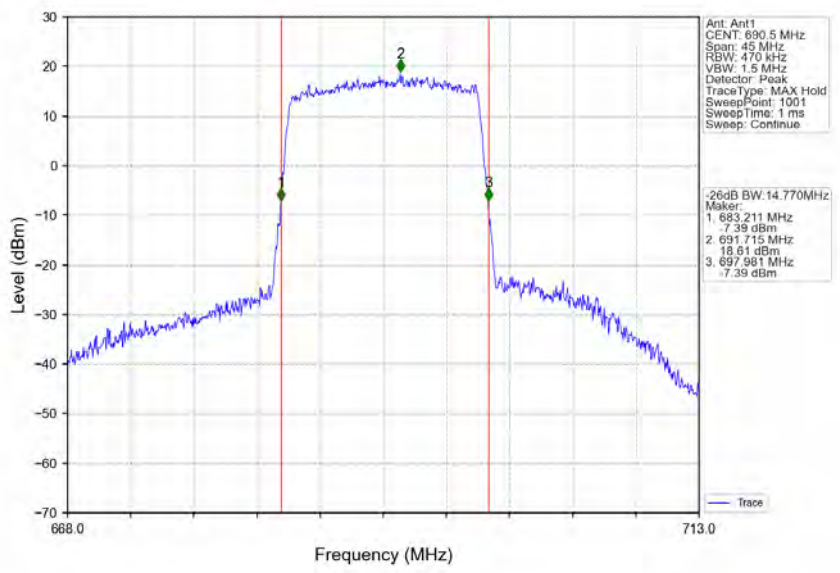
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



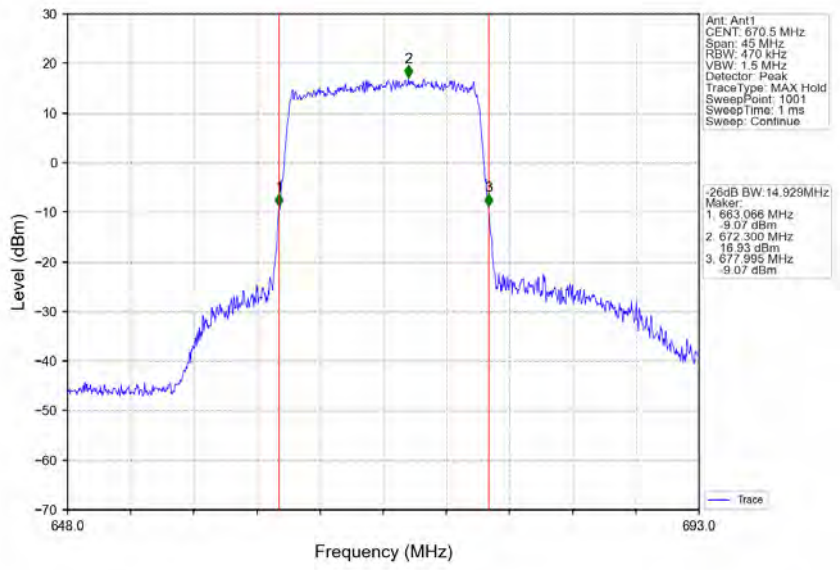
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



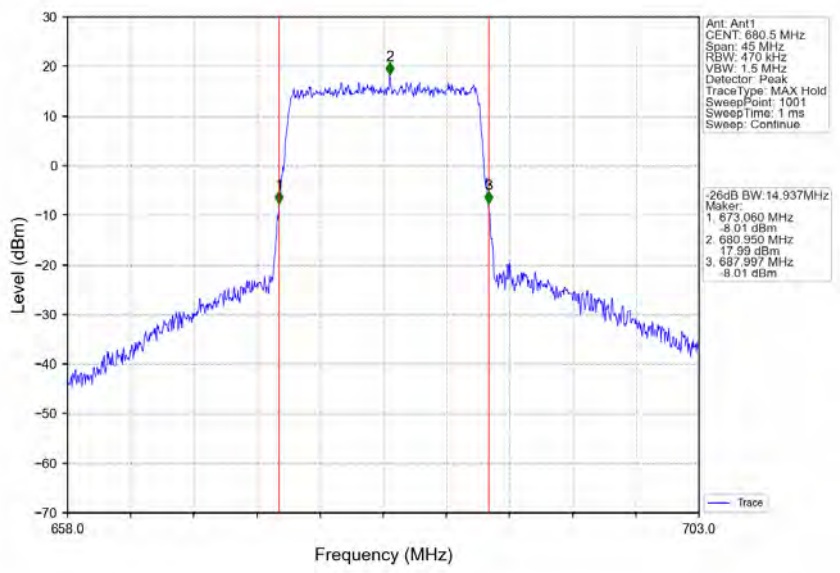
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



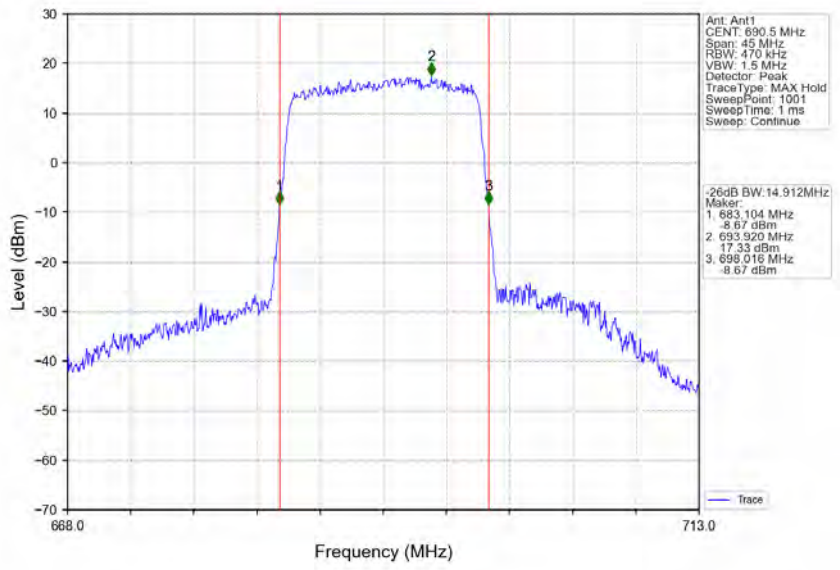
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



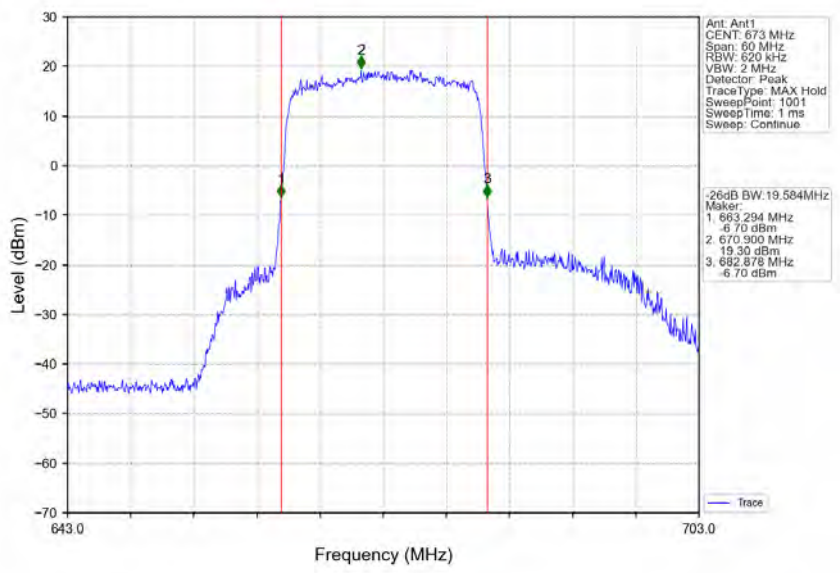
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



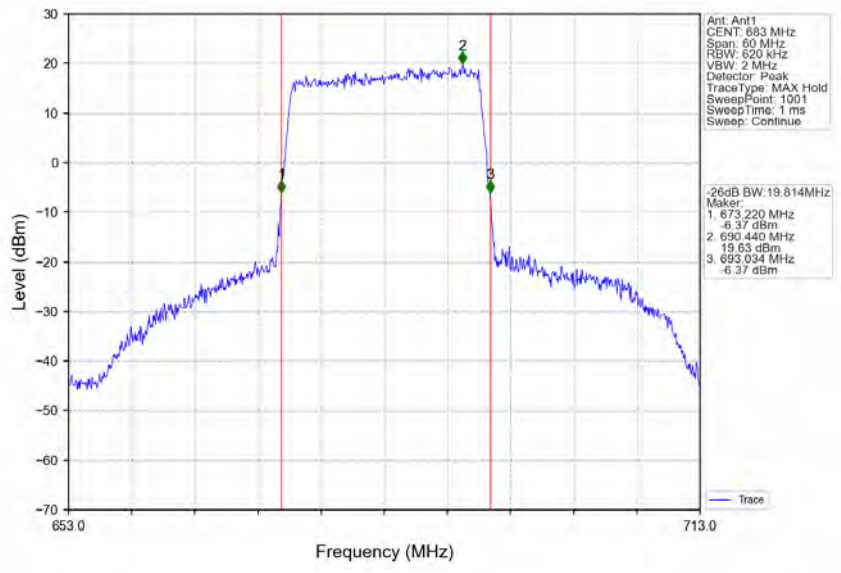
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



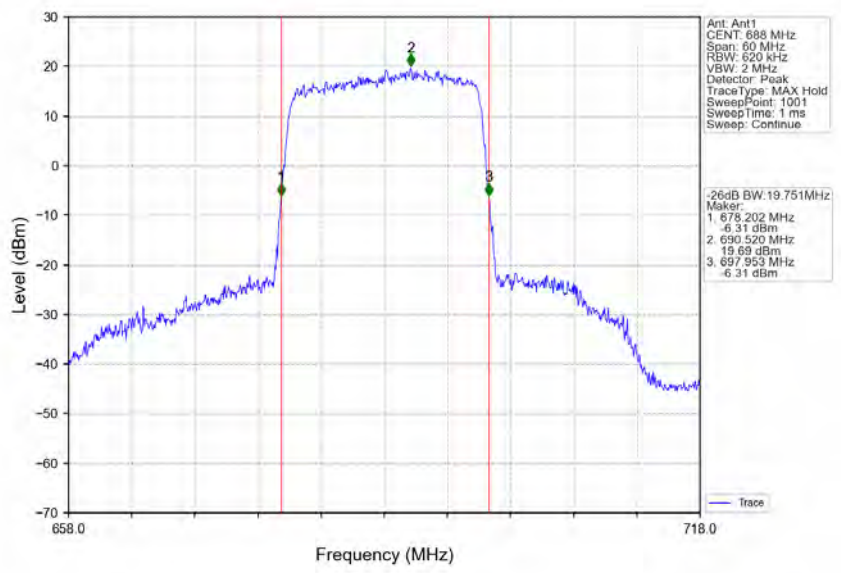
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



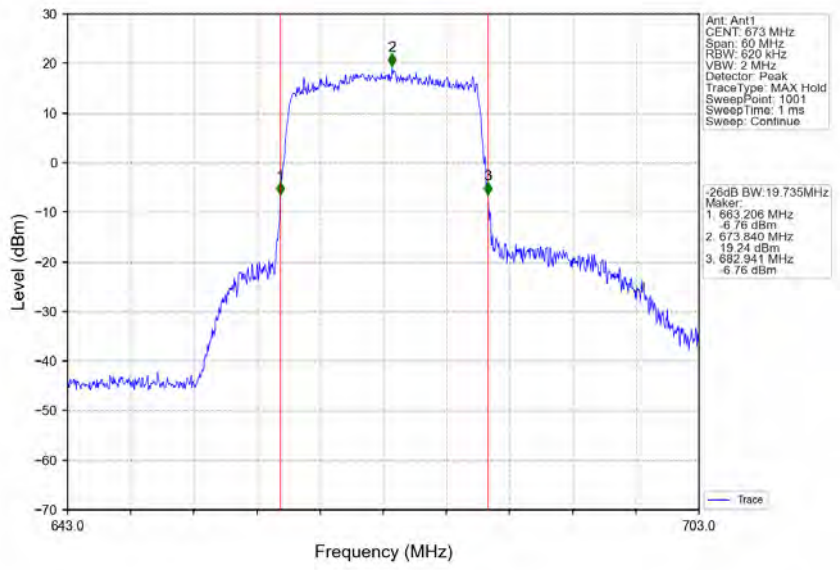
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



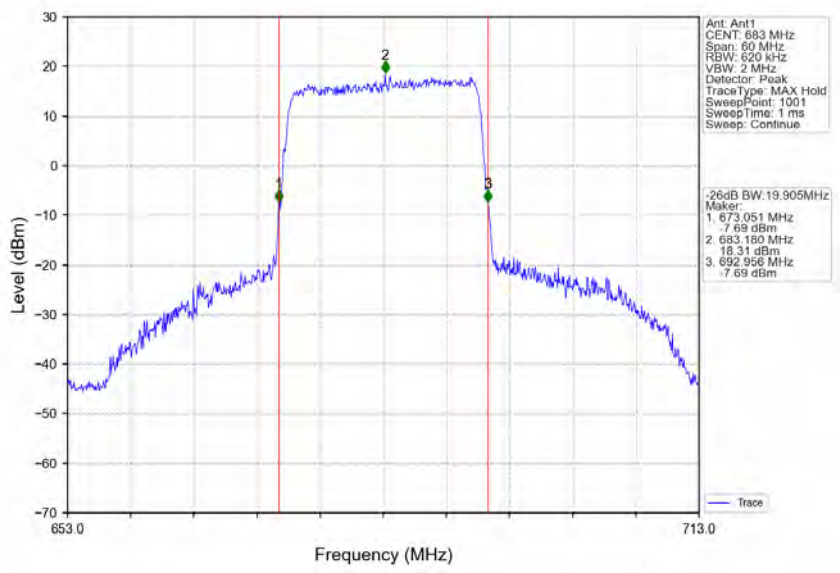
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



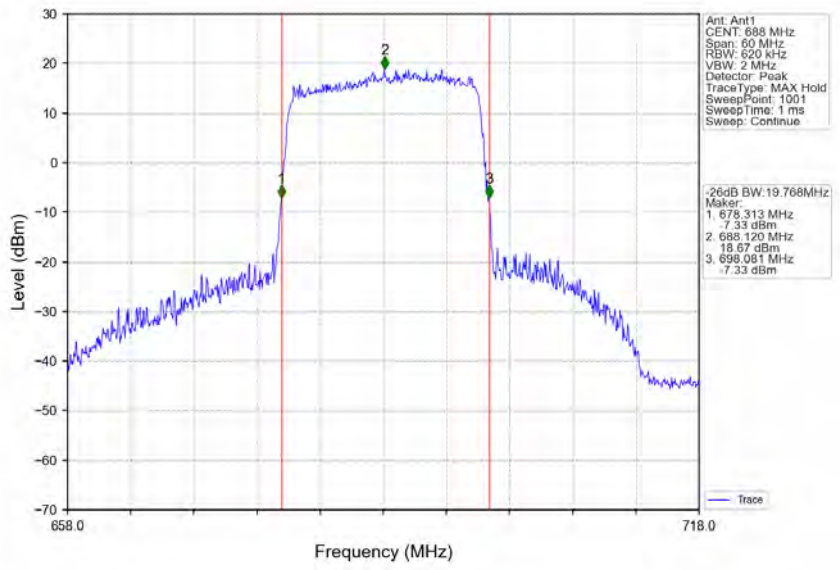
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



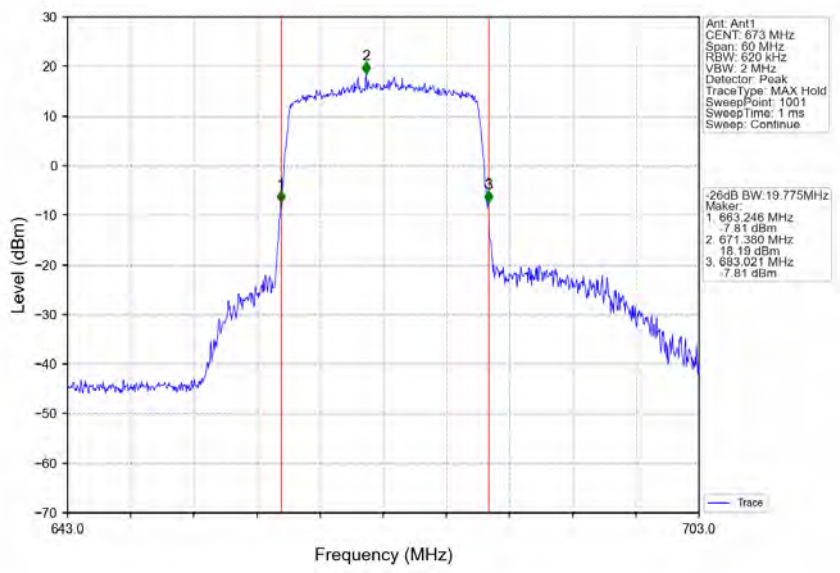
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



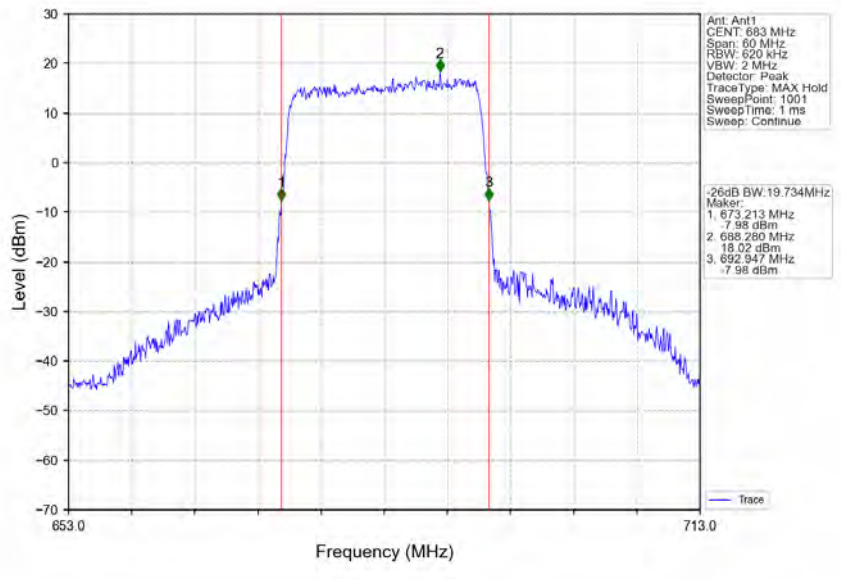
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



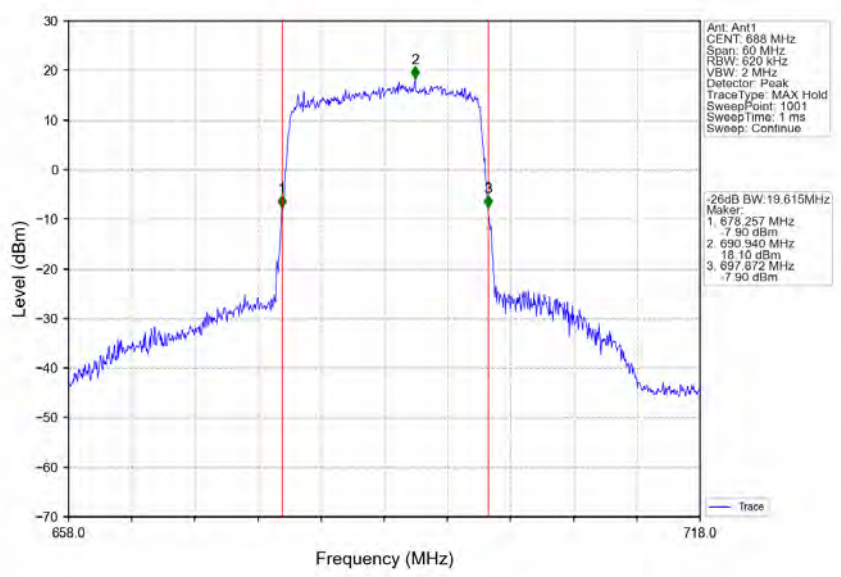
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



4. Peak-Average Ratio

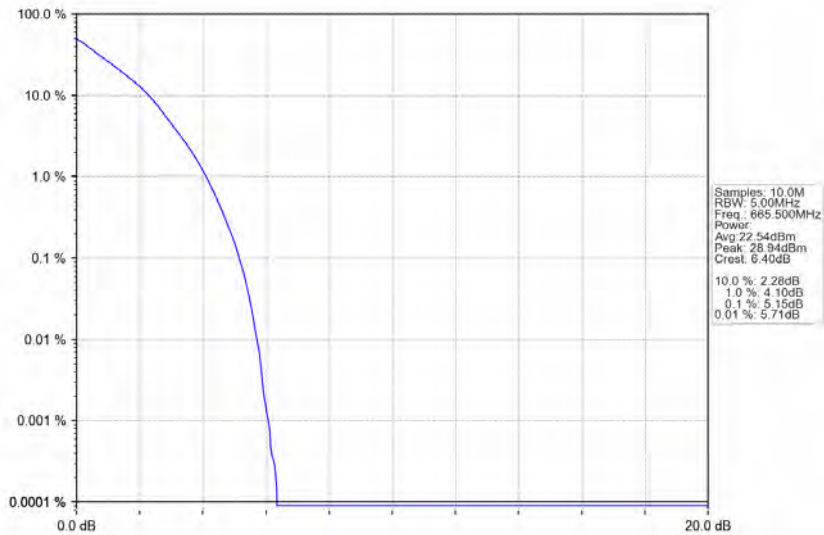
4.1 B71_5MHz

4.1.1 Test Result

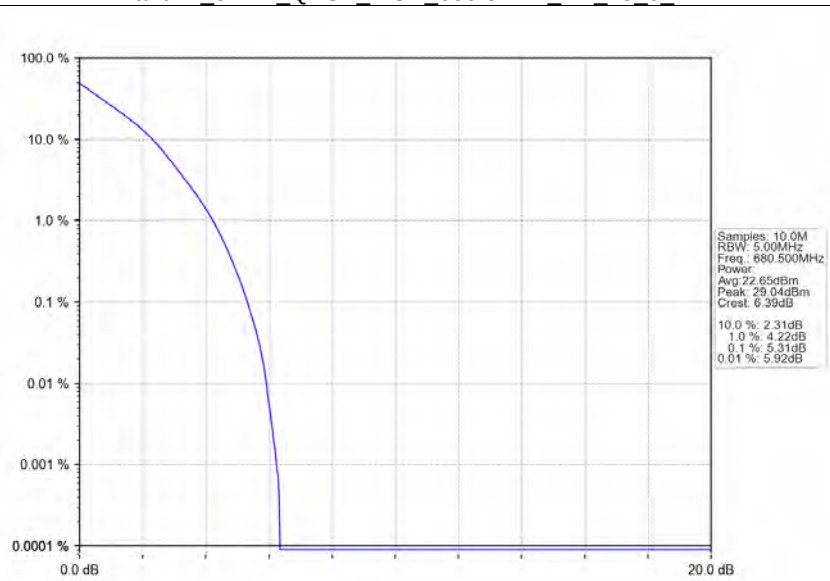
Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.15	<=13	Pass
	680.5	25	0	5.31	<=13	Pass
	695.5	25	0	5.42	<=13	Pass
16QAM	665.5	25	0	5.83	<=13	Pass
	680.5	25	0	6.05	<=13	Pass
	695.5	25	0	6.03	<=13	Pass
64QAM	665.5	25	0	6.11	<=13	Pass
	680.5	25	0	6.29	<=13	Pass
	695.5	25	0	6.36	<=13	Pass

4.1.2 Test Graph

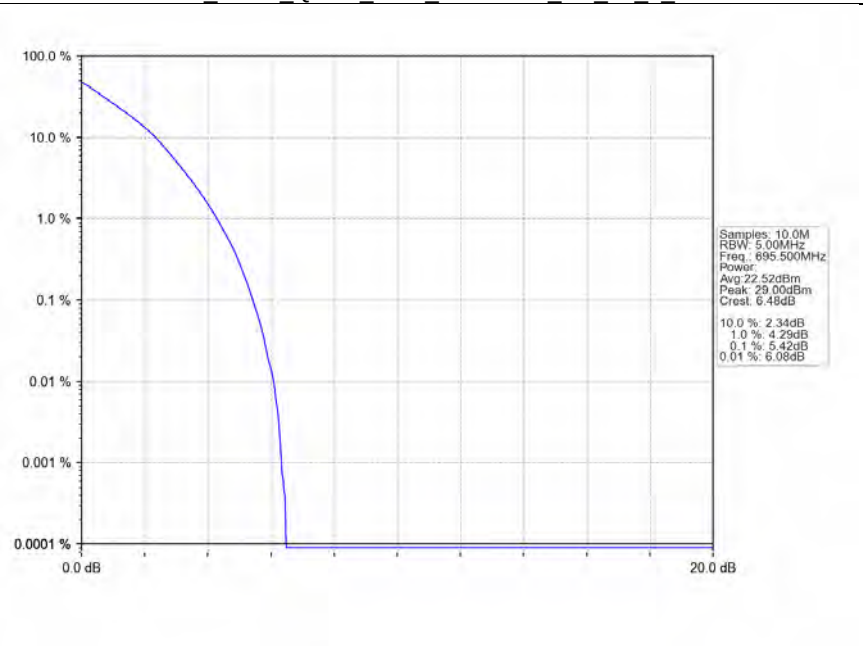
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



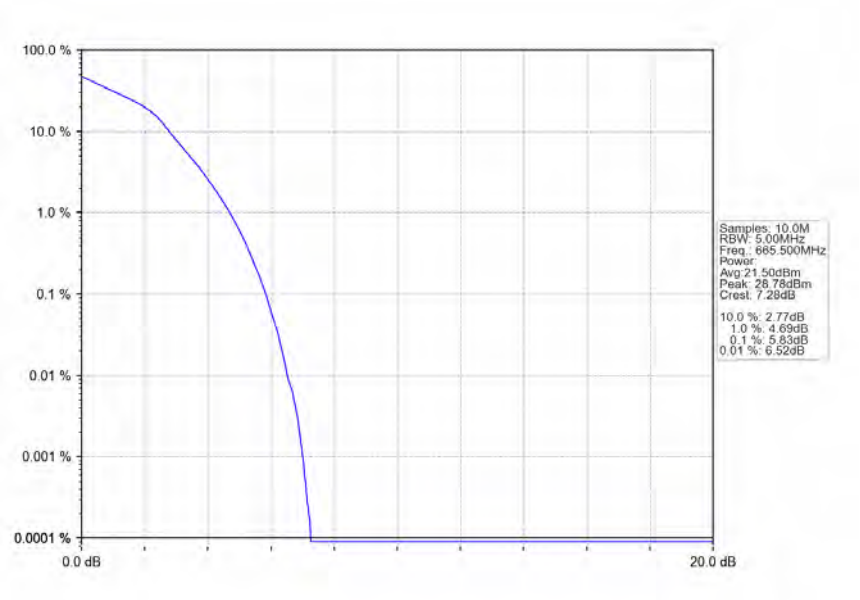
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



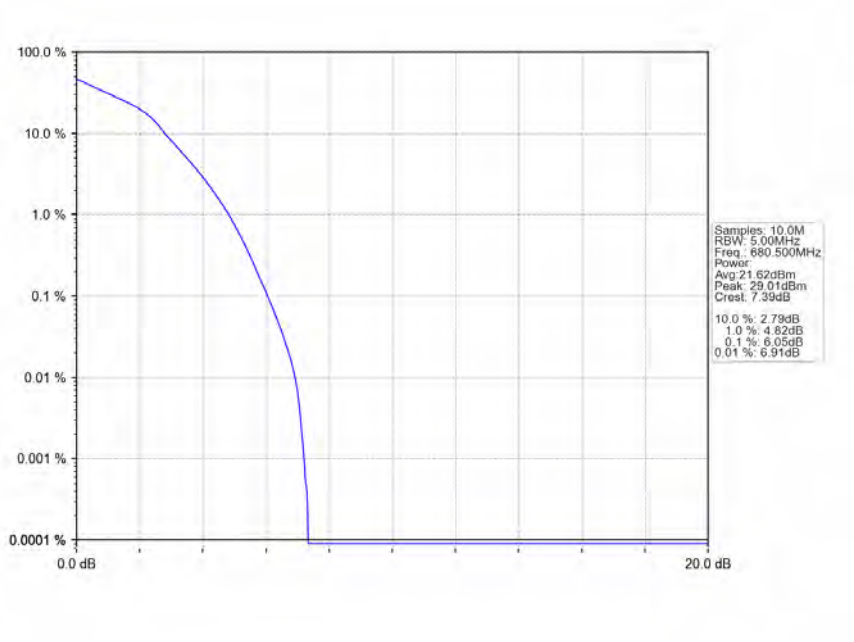
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



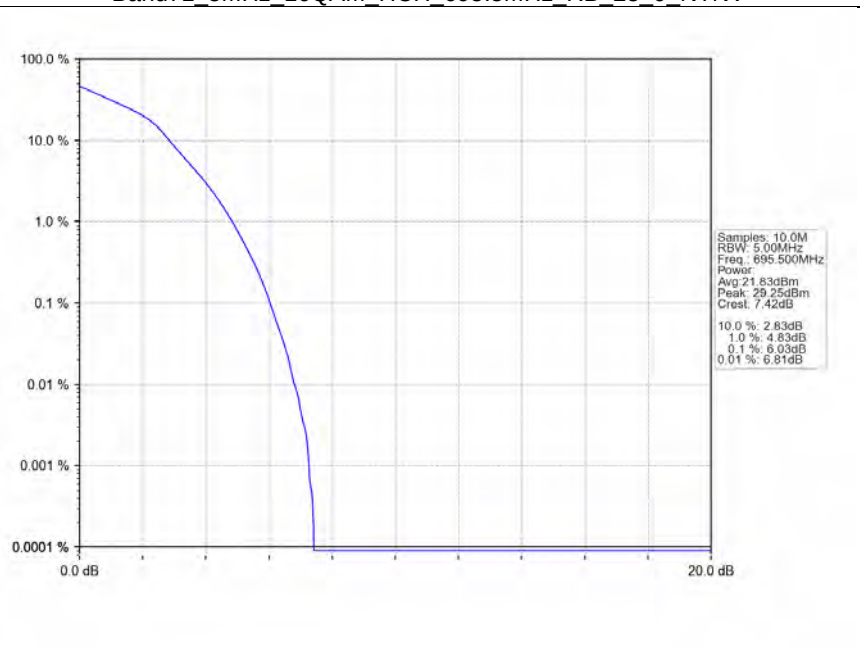
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



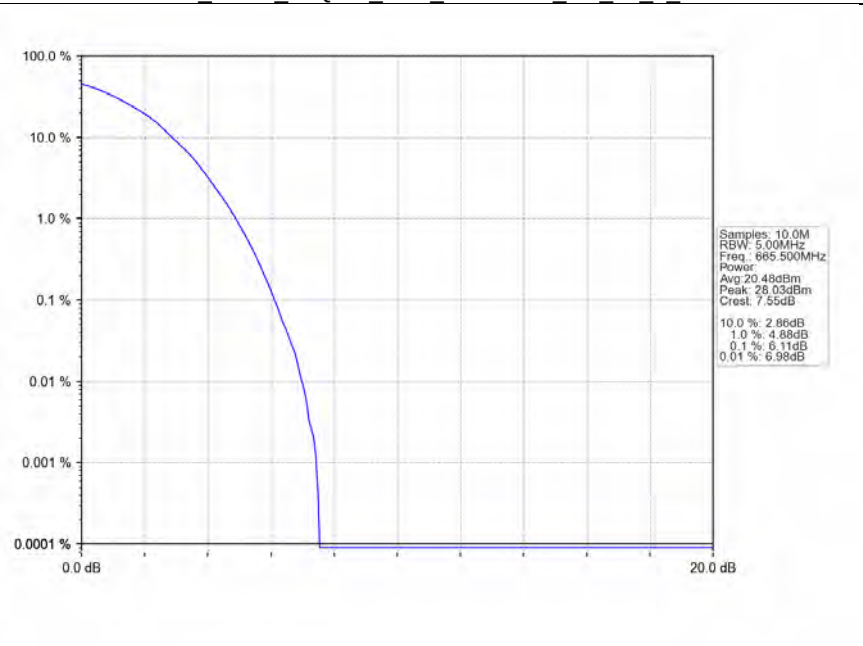
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



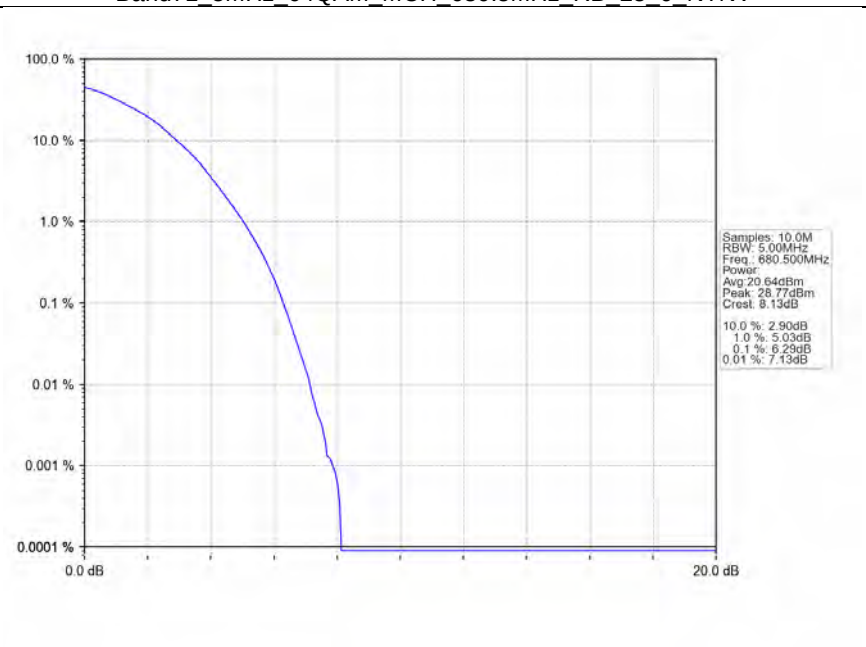
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



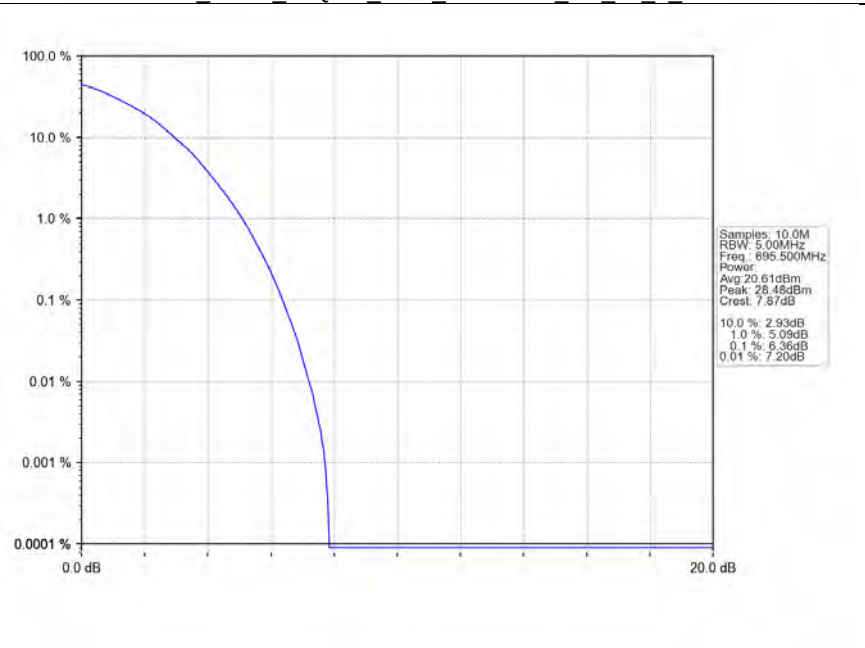
Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



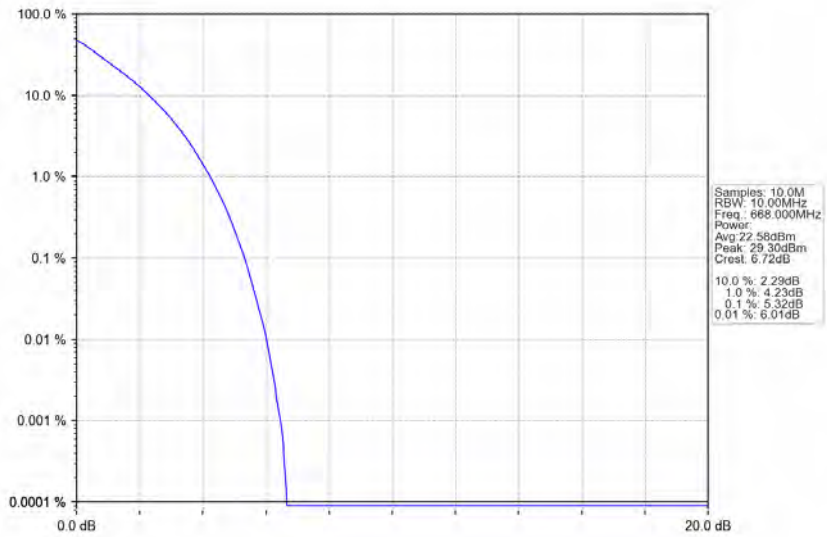
4.2 B71_10MHz

4.2.1 Test Result

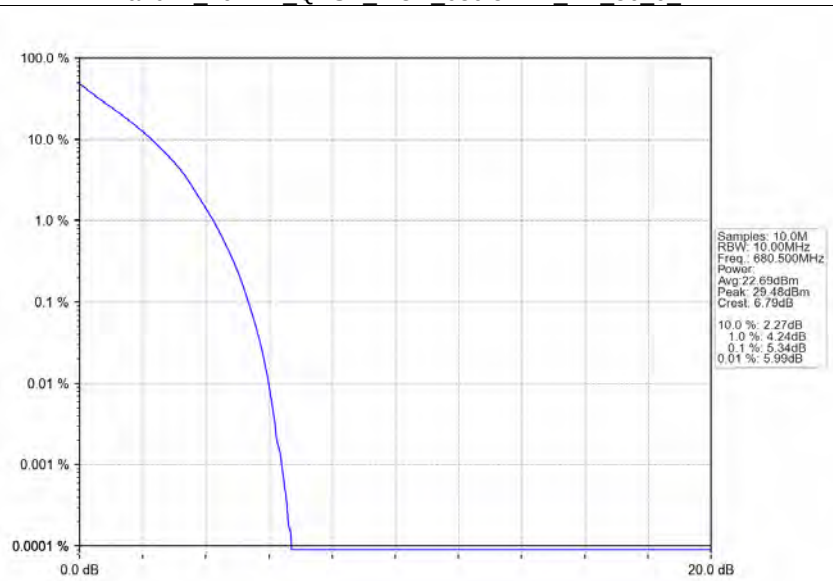
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.32	<=13	Pass
	680.5	50	0	5.34	<=13	Pass
	693	50	0	5.30	<=13	Pass
16QAM	668	50	0	6.06	<=13	Pass
	680.5	50	0	6.10	<=13	Pass
	693	50	0	6.11	<=13	Pass
64QAM	668	50	0	6.28	<=13	Pass
	680.5	50	0	6.35	<=13	Pass
	693	50	0	6.34	<=13	Pass

4.2.2 Test Graph

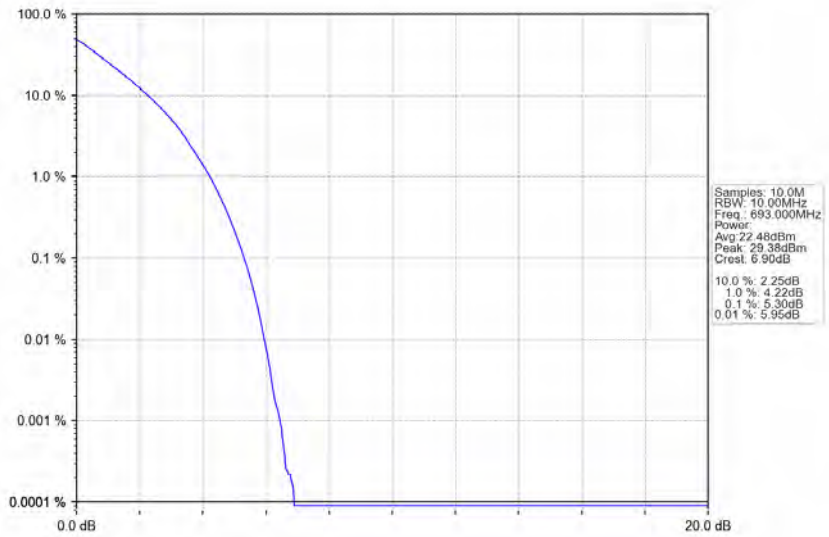
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



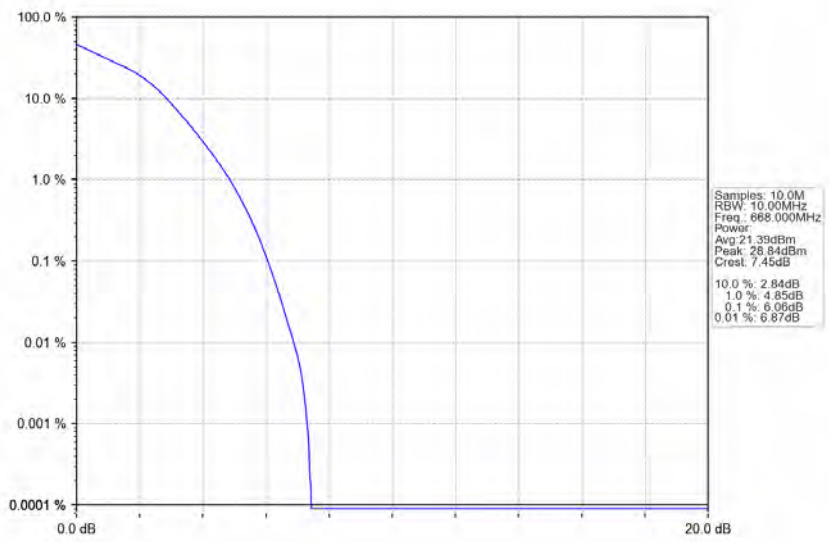
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



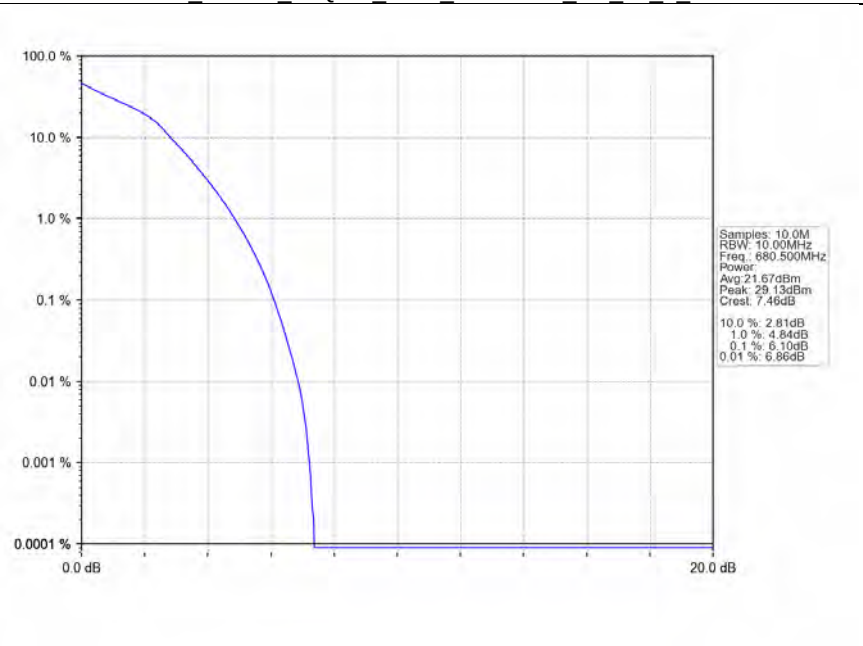
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



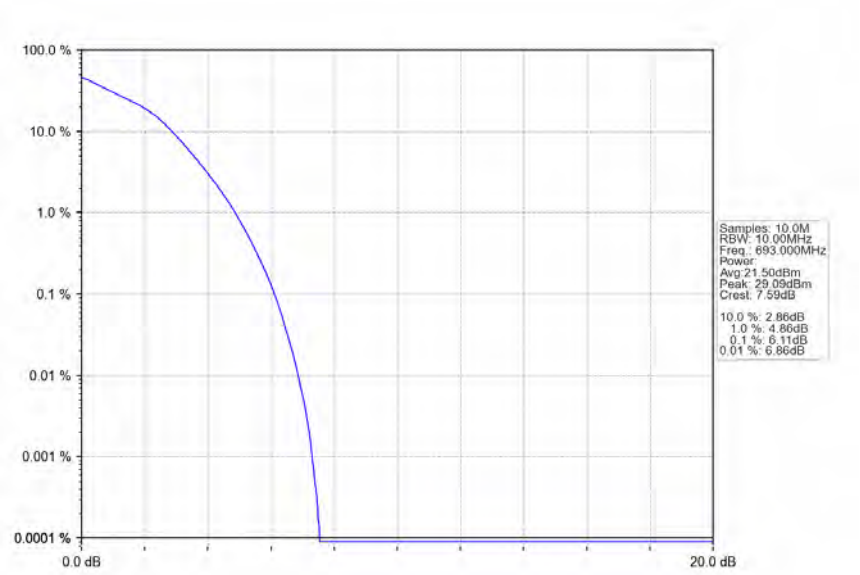
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



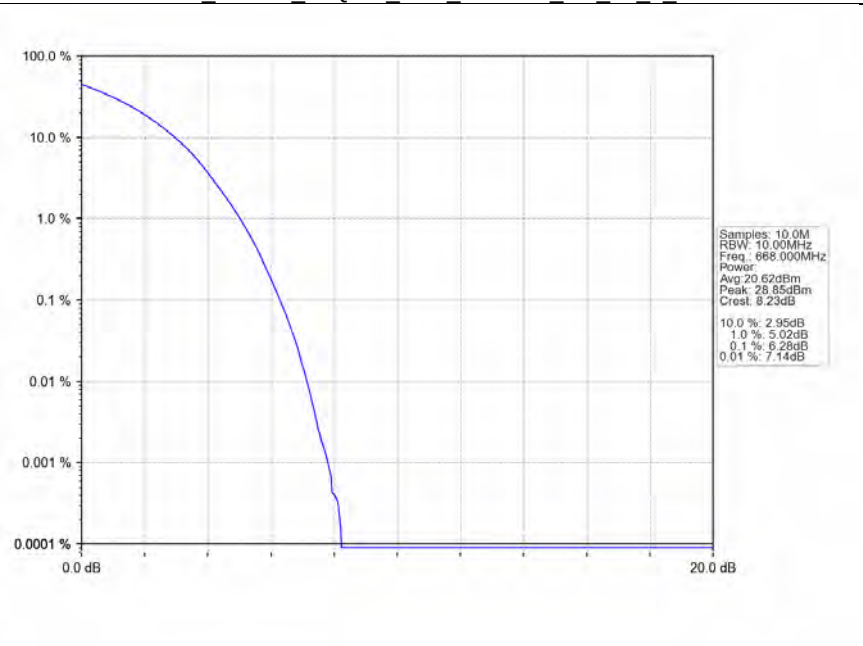
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



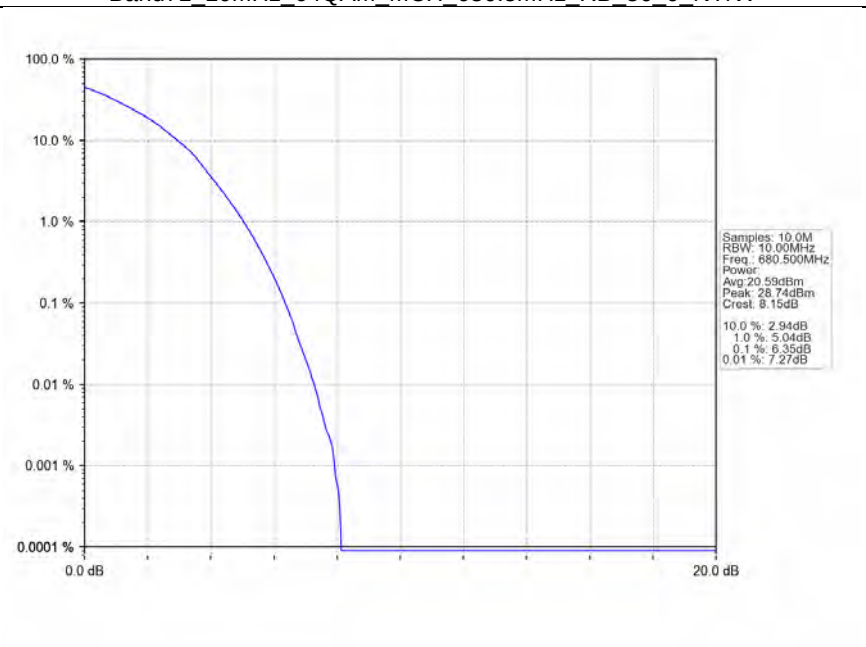
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



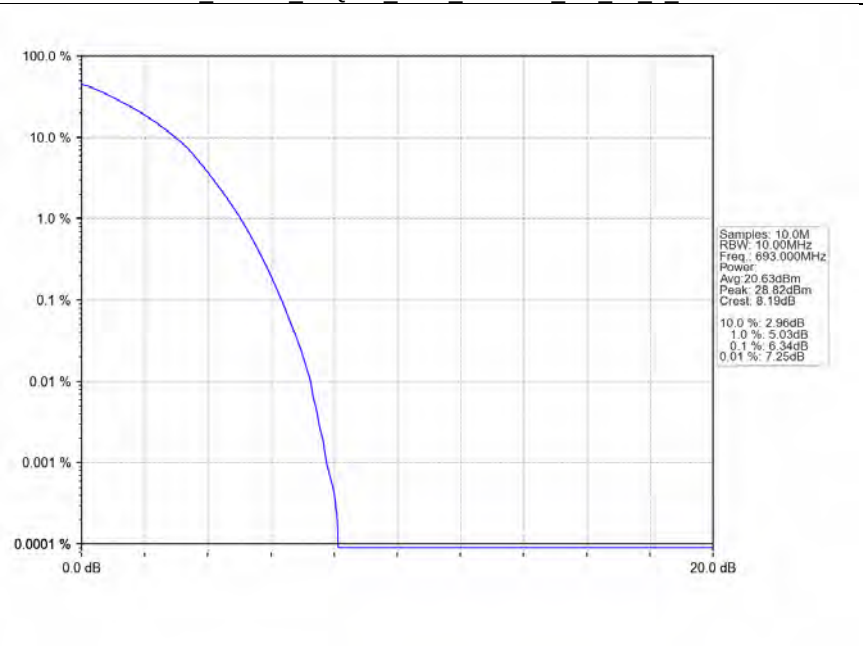
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



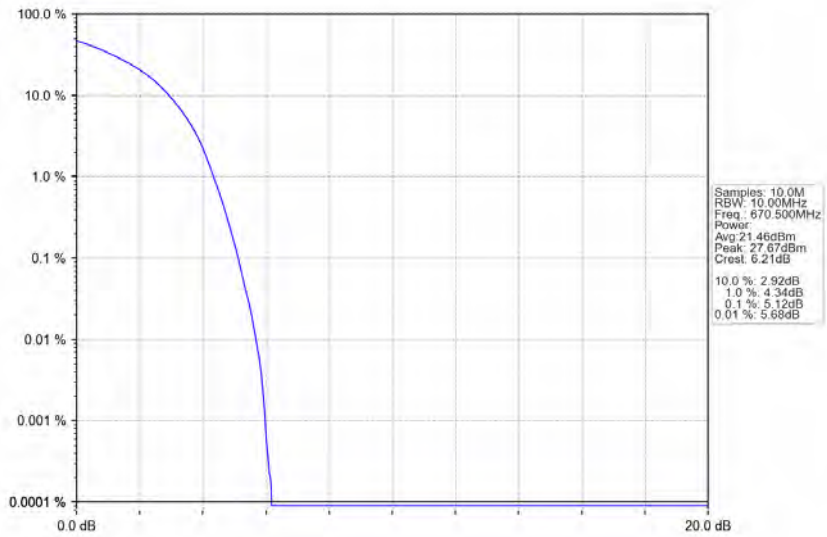
4.3 B71_15MHz

4.3.1 Test Result

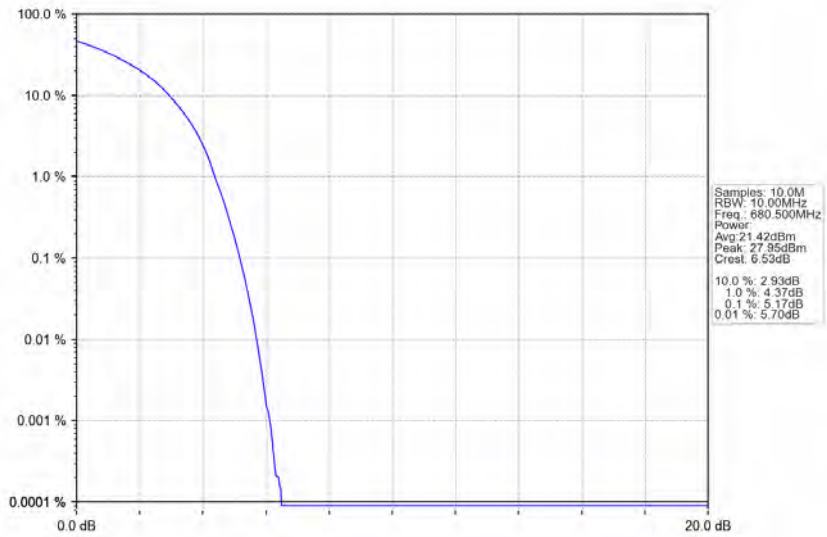
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.12	<=13	Pass
	680.5	75	0	5.17	<=13	Pass
	690.5	75	0	5.07	<=13	Pass
16QAM	670.5	75	0	6.20	<=13	Pass
	680.5	75	0	6.21	<=13	Pass
	690.5	75	0	6.22	<=13	Pass
64QAM	670.5	75	0	6.44	<=13	Pass
	680.5	75	0	6.46	<=13	Pass
	690.5	75	0	6.45	<=13	Pass

4.3.2 Test Graph

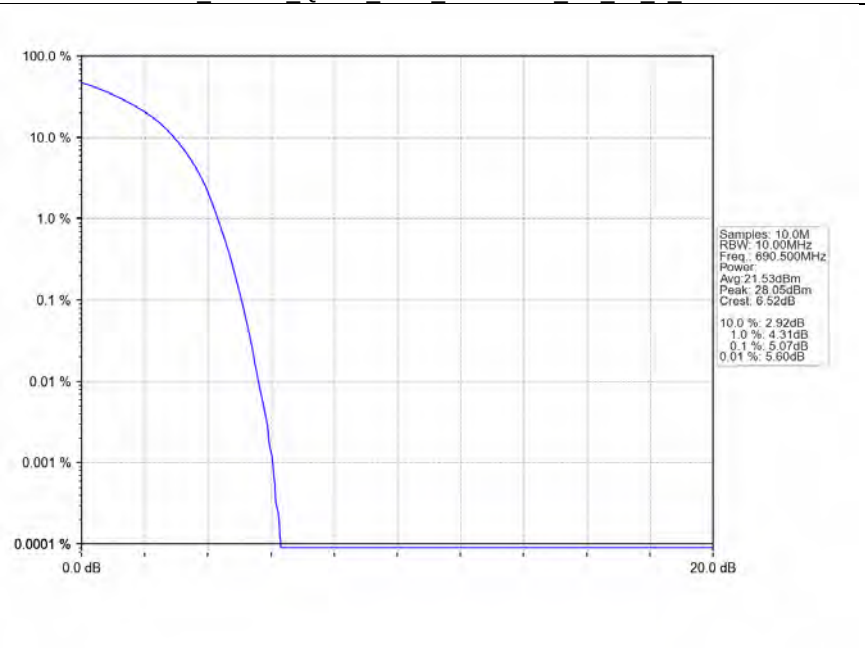
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



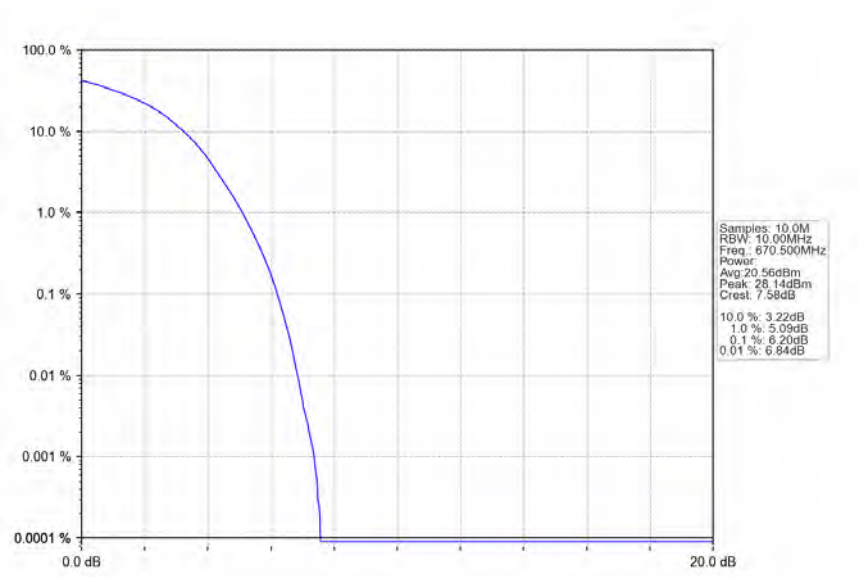
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



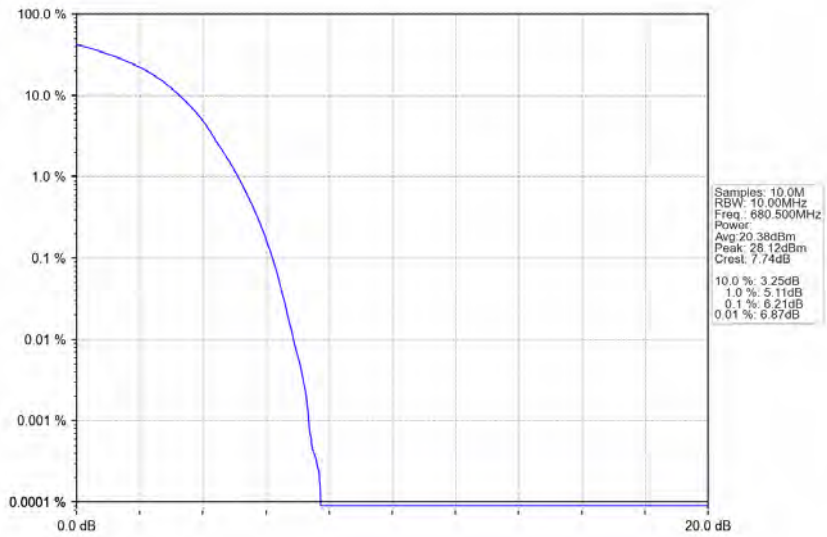
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



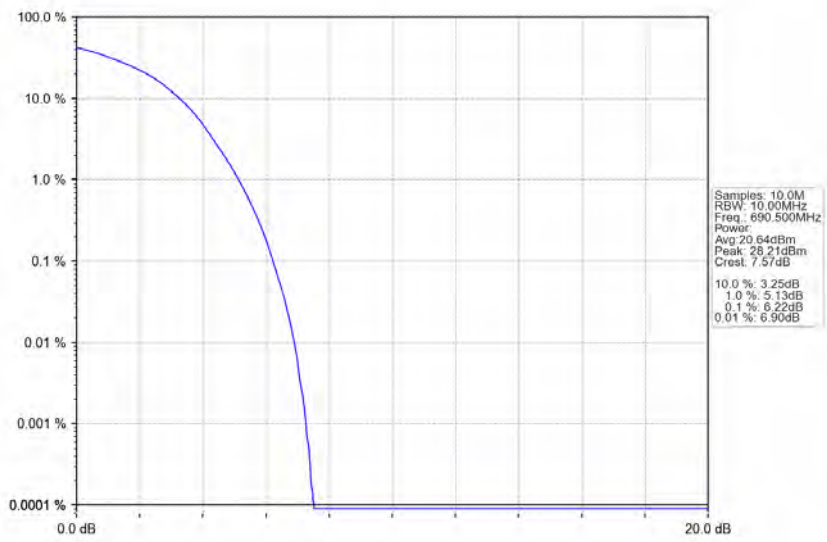
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



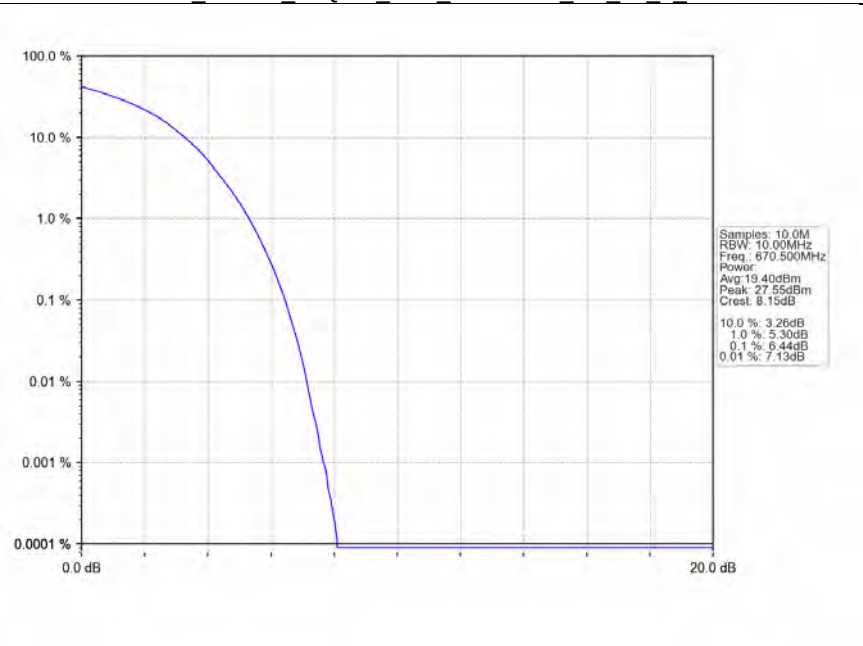
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



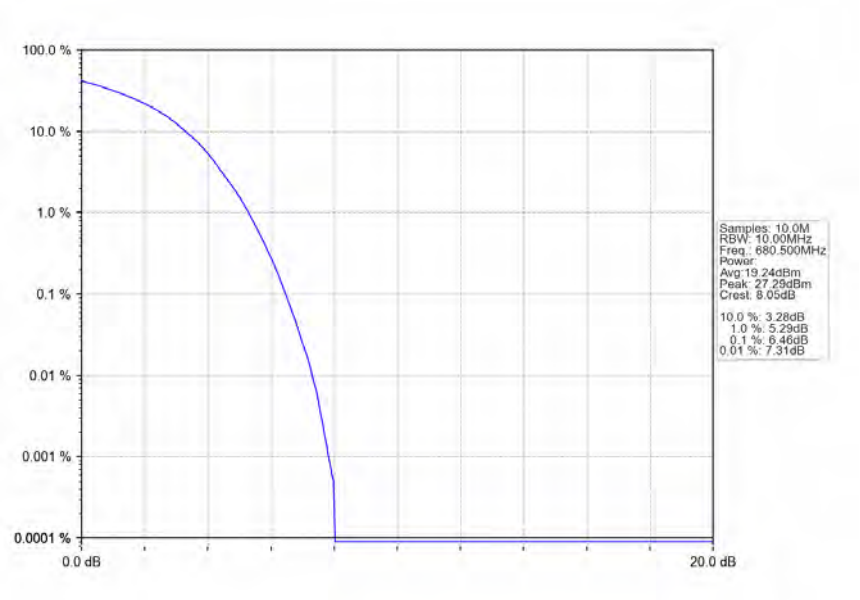
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



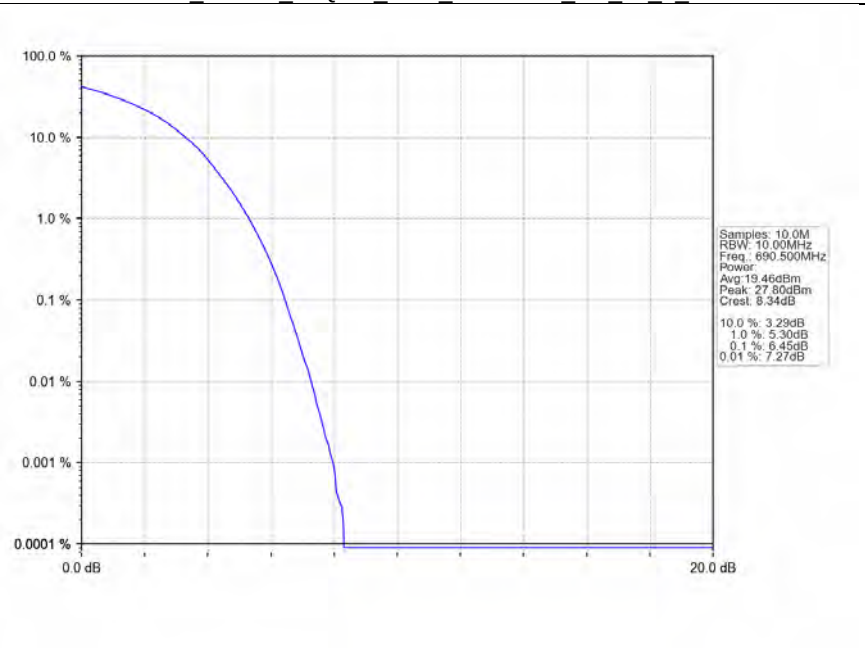
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



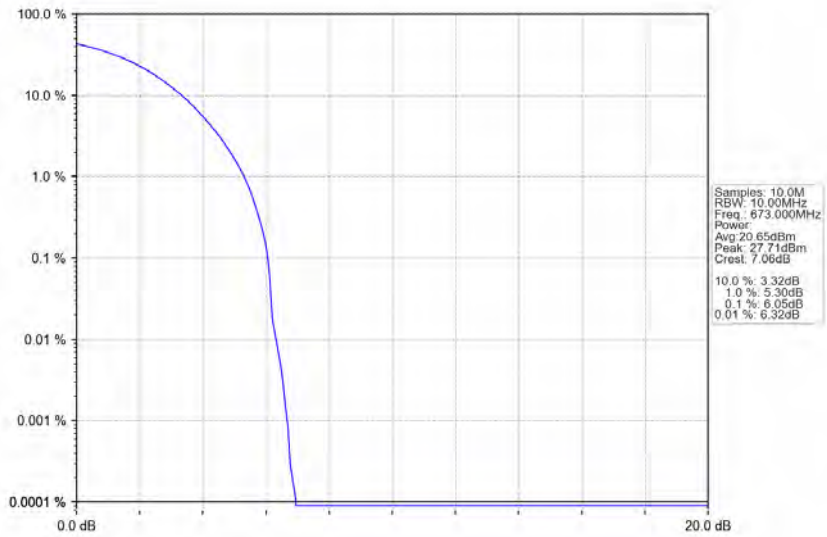
4.4 B71_20MHz

4.4.1 Test Result

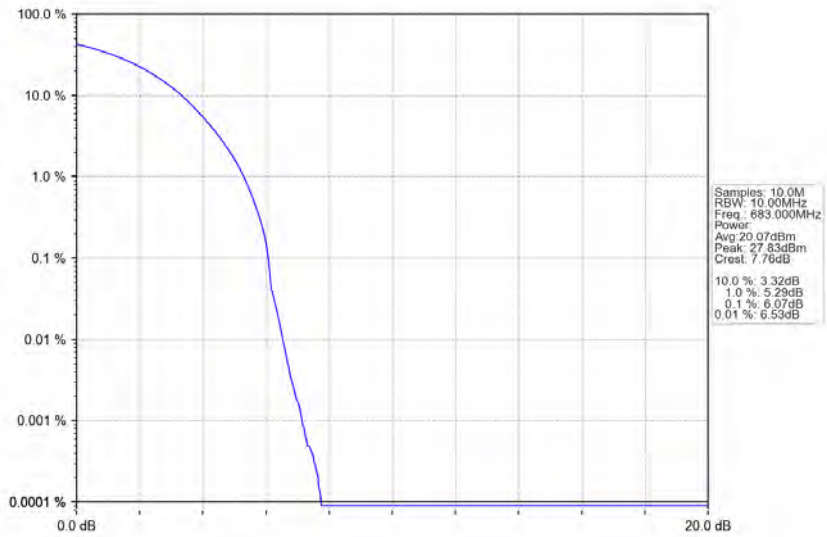
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	6.05	<=13	Pass
	683	100	0	6.07	<=13	Pass
	688	100	0	5.92	<=13	Pass
16QAM	673	100	0	6.73	<=13	Pass
	683	100	0	6.72	<=13	Pass
	688	100	0	6.73	<=13	Pass
64QAM	673	100	0	6.84	<=13	Pass
	683	100	0	6.96	<=13	Pass
	688	100	0	6.91	<=13	Pass

4.4.2 Test Graph

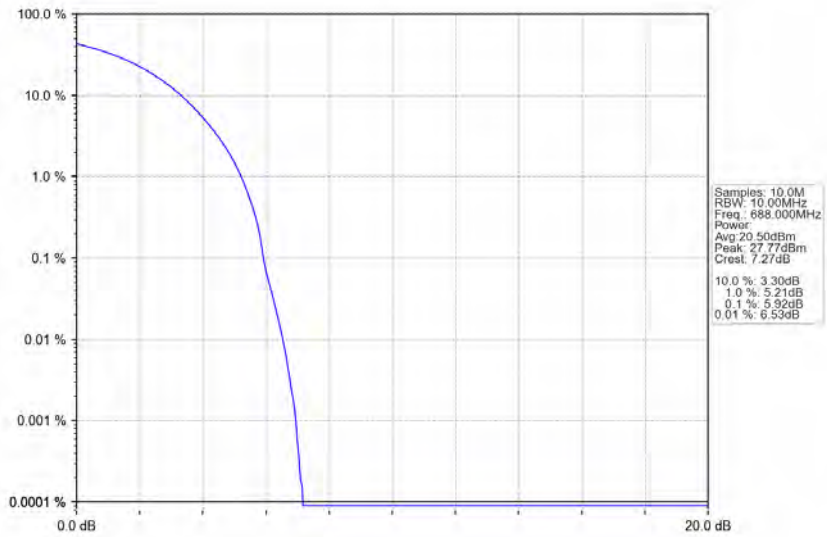
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



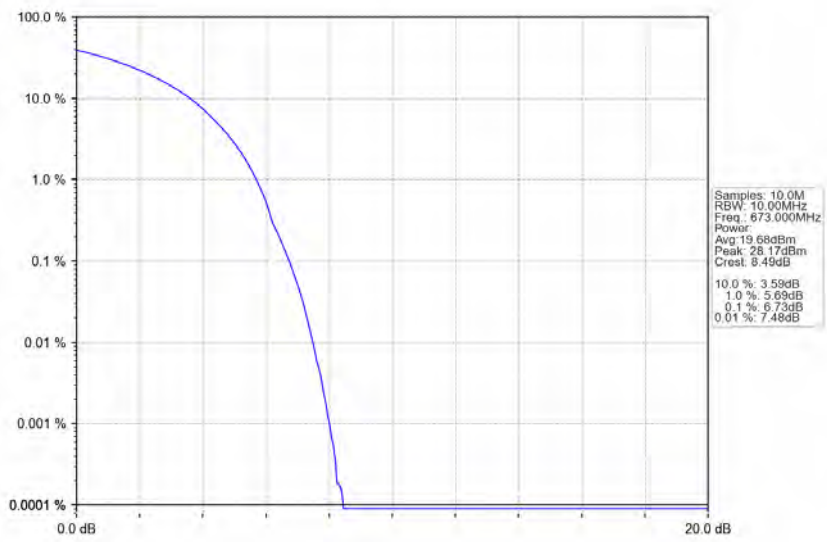
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



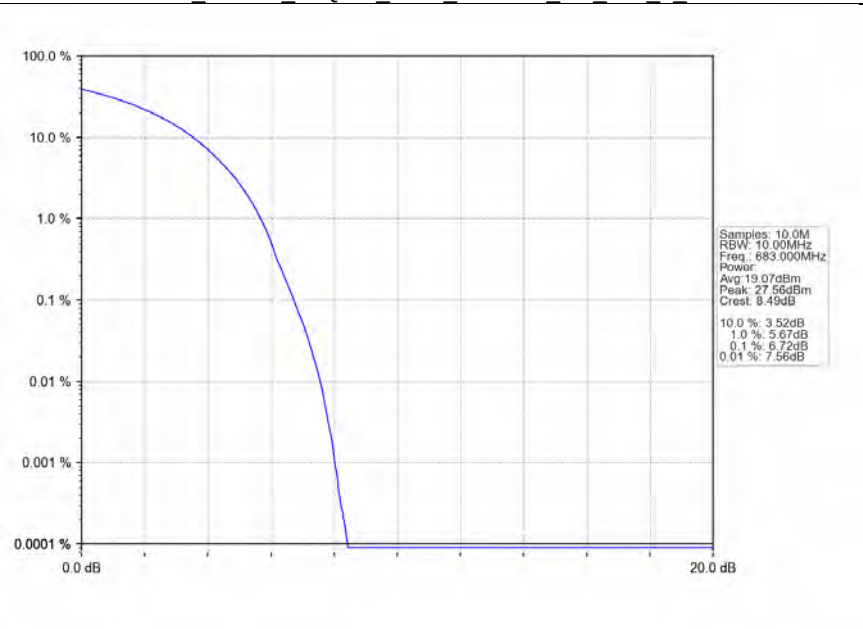
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



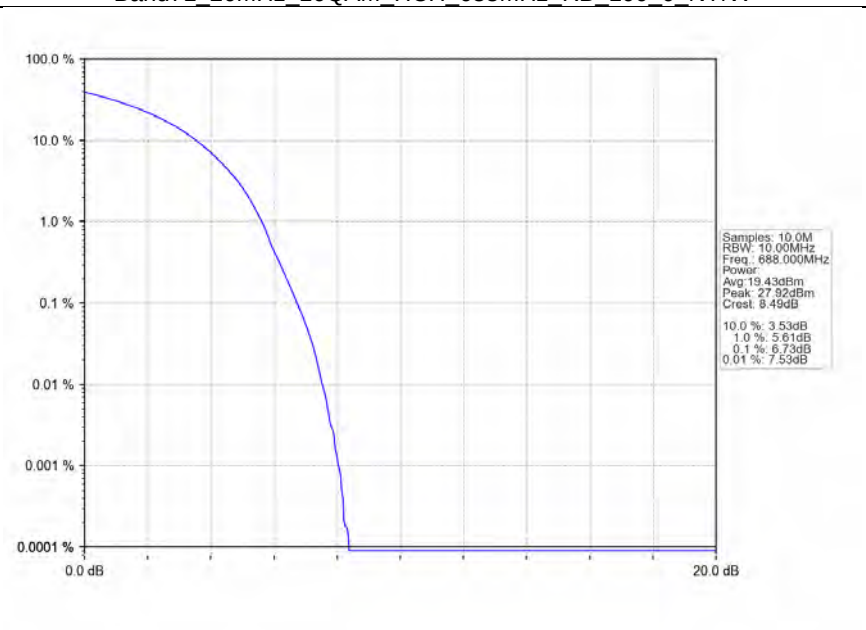
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



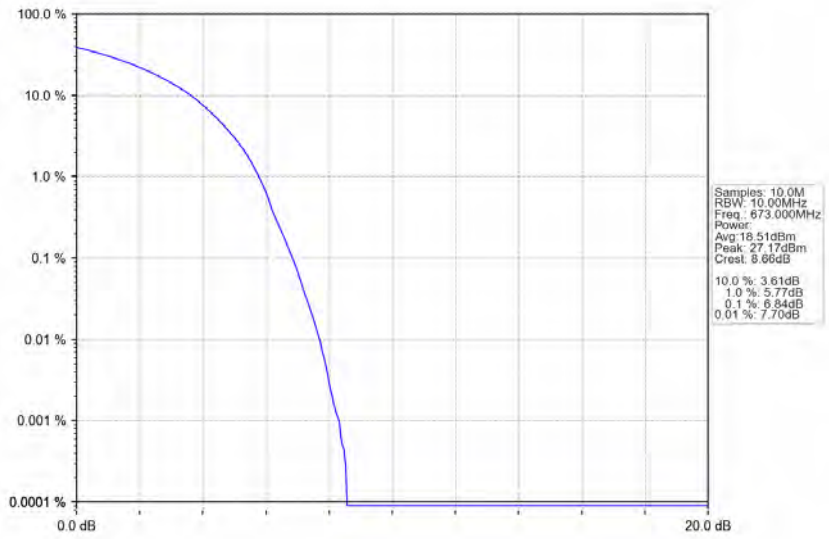
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



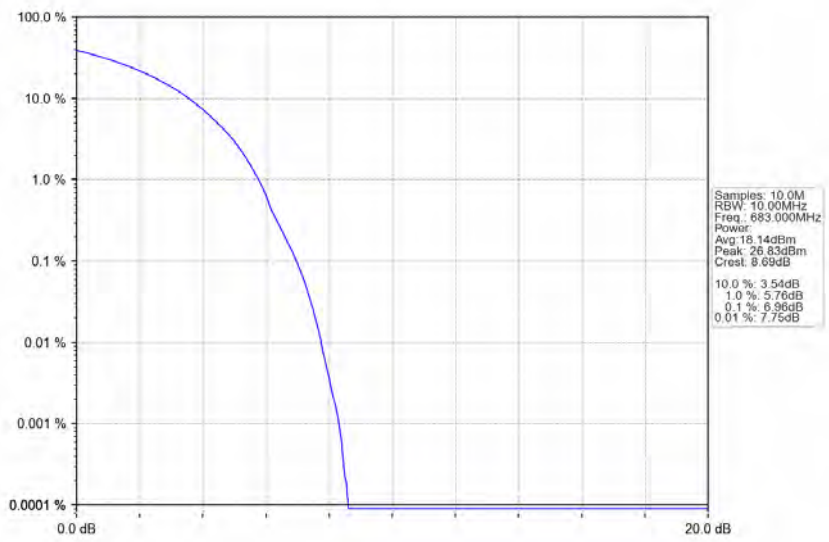
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



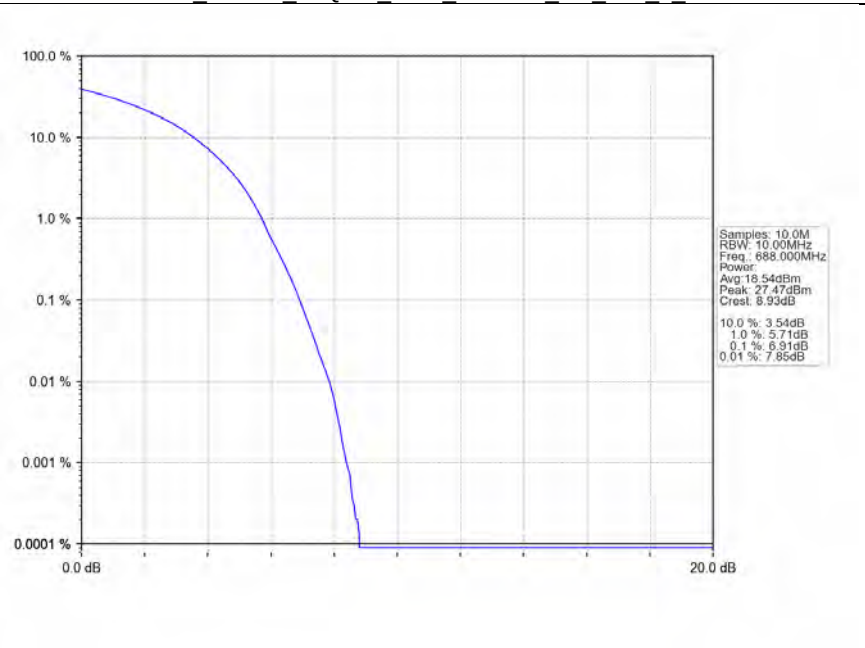
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



5. Spurious Emission

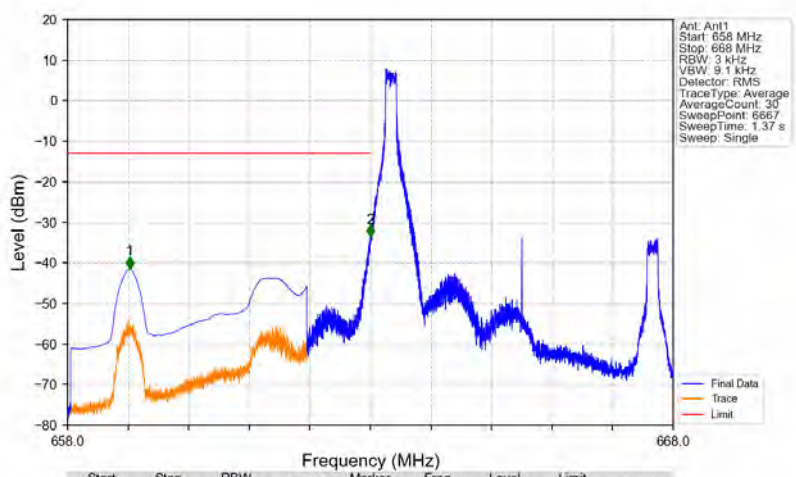
5.1 B71_5MHz

5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	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		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

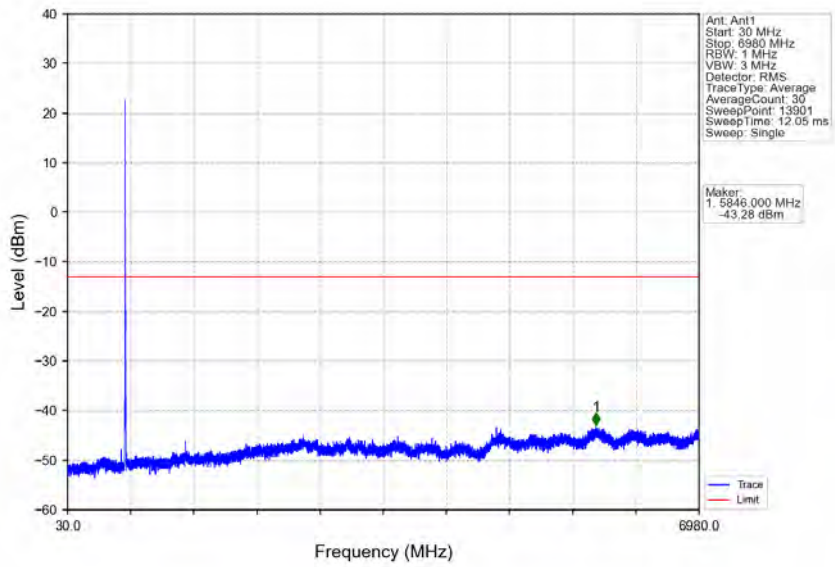
5.1.2 Test Graph

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

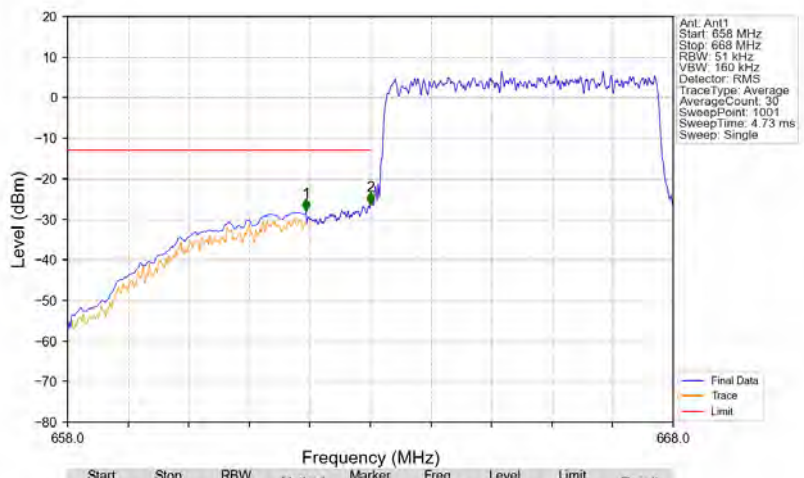


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.025	-41.49	-13	Pass
662	663	0.003	/	2	663.000	-33.61	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

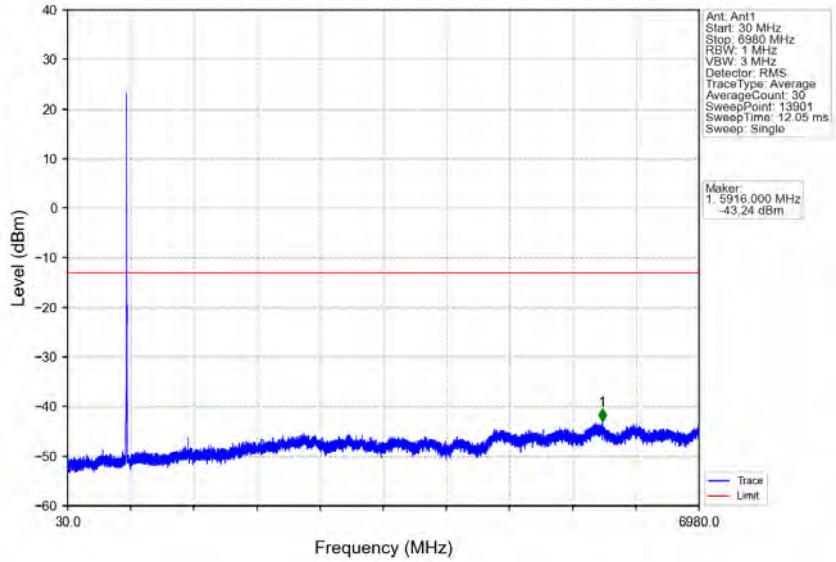


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

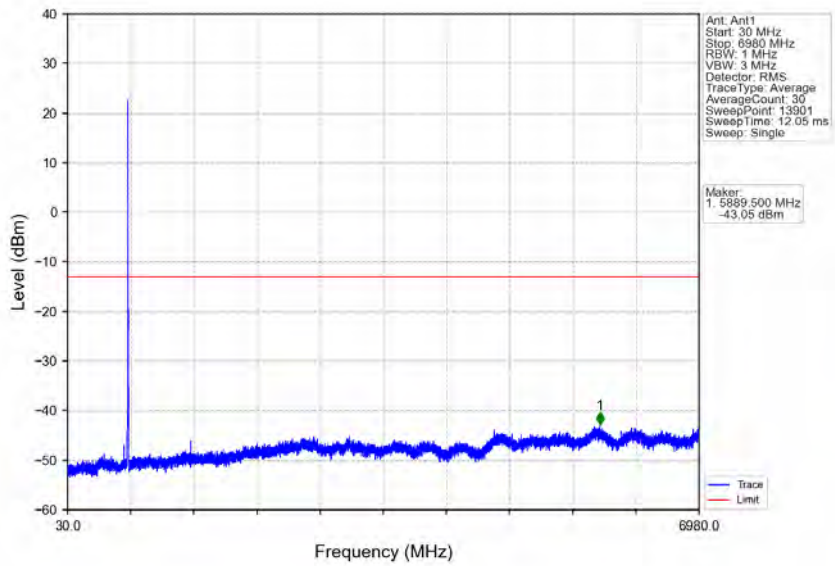


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-28.00	-13	Pass
662	663	0.051	/	2	663.000	-26.39	-13	Pass
663	668	0.051	/	/	/	/	/	/

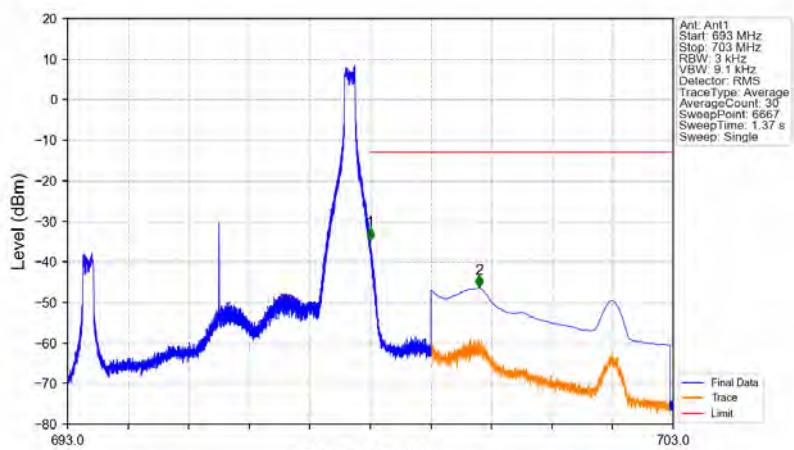
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

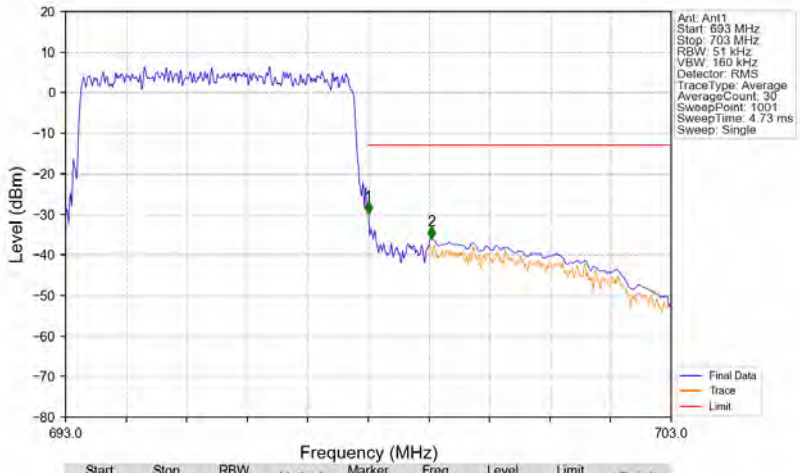


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



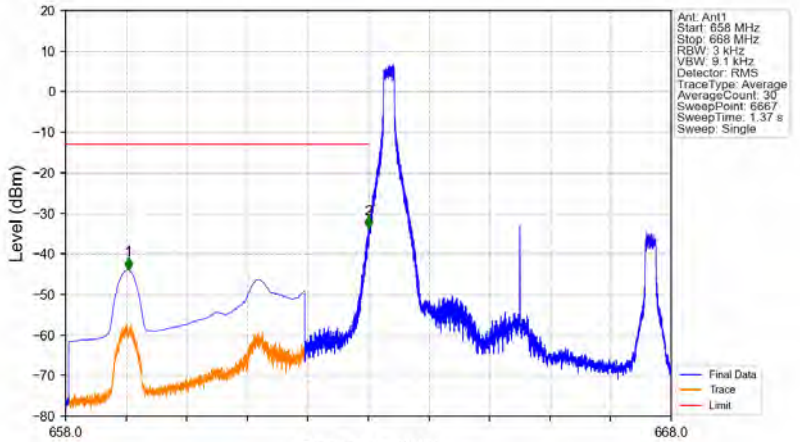
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-34.60	-13	Pass
699	703	0.1	CHP	2	699.796	-46.34	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



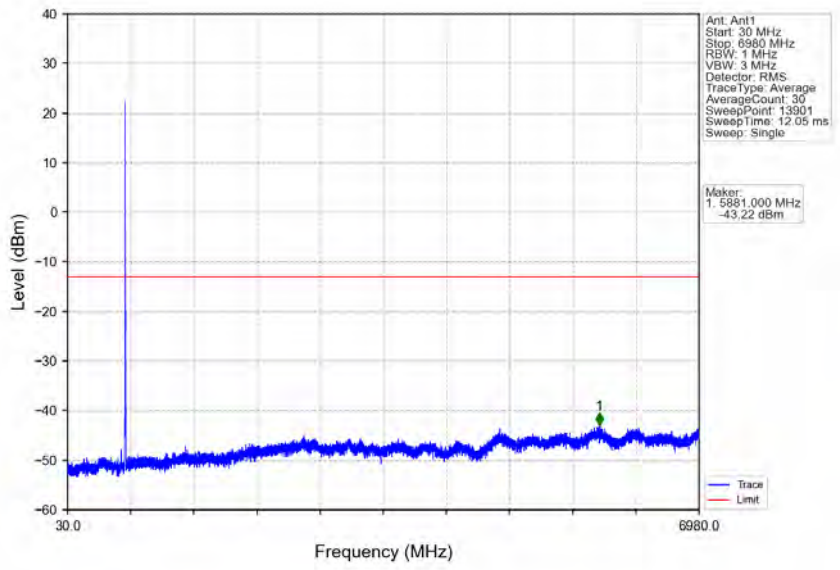
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.000	-29.99	-13	Pass
699	703	0.1	CHP	2	699.040	-36.08	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

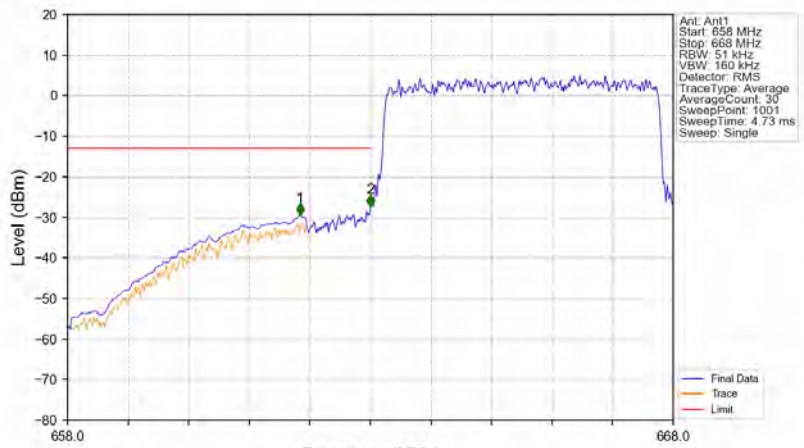


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.037	-43.93	-13	Pass
662	663	0.003	/	2	663.000	-33.74	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

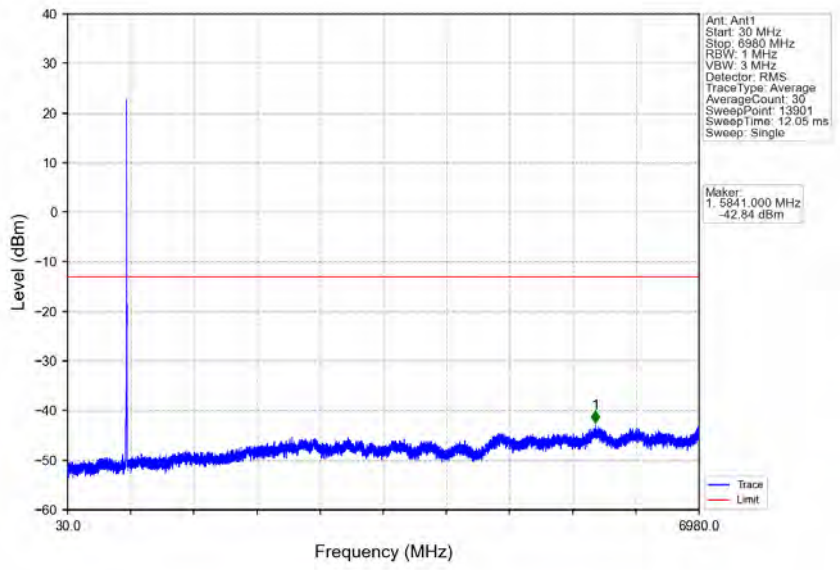


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

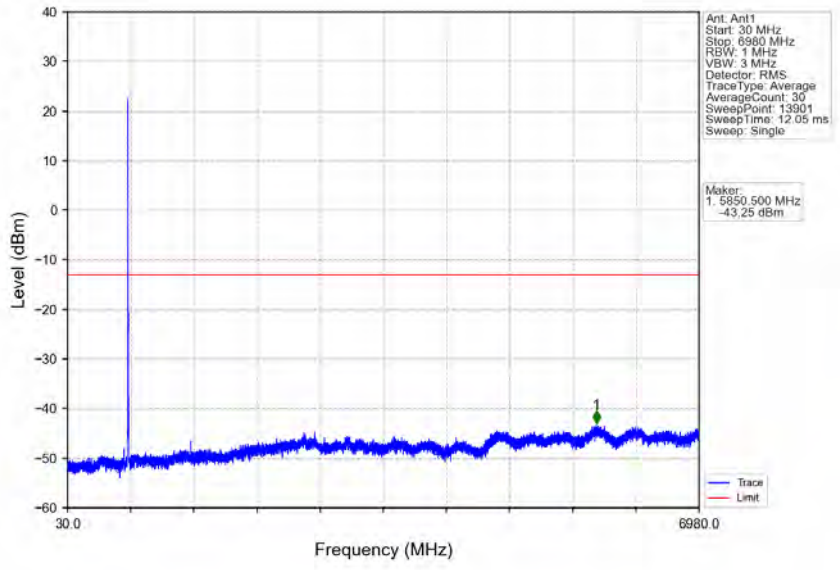


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.840	-29.55	-13	Pass
662	663	0.051	/	2	663.000	-27.50	-13	Pass
663	668	0.051	/	/	/	/	/	/

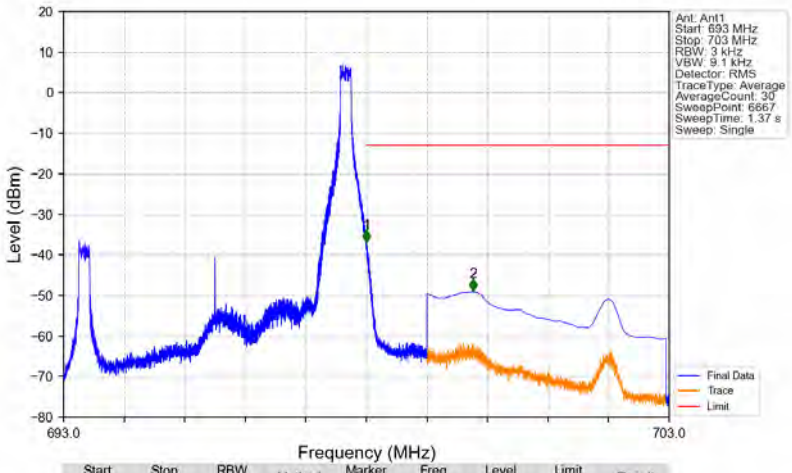
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV

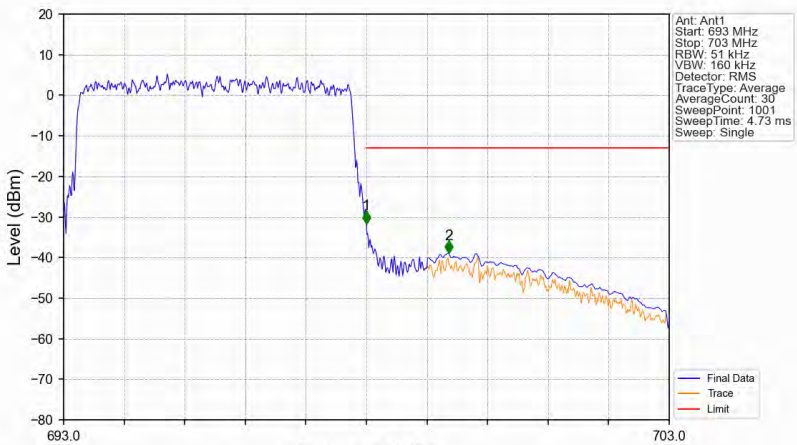


Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



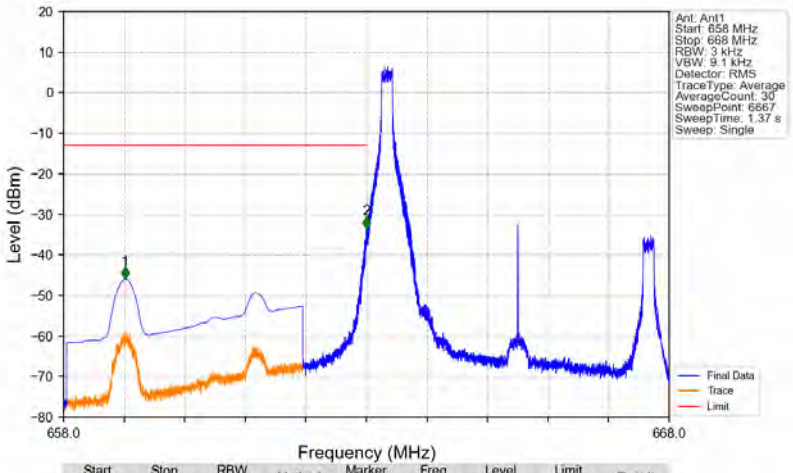
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.003	-36.92	-13	Pass
699	703	0.1	CHP	2	699.758	-48.99	-13	Pass

Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



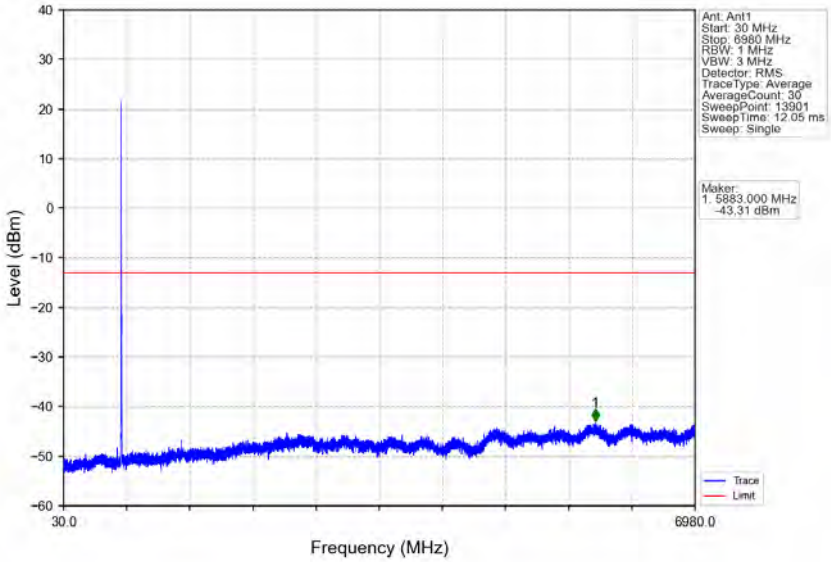
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.000	-31.60	-13	Pass
699	703	0.1	CHP	2	699.360	-38.97	-13	Pass

Band71_5MHz_64QAM_LCH_665.5MHz_RB_1_0_NTNV

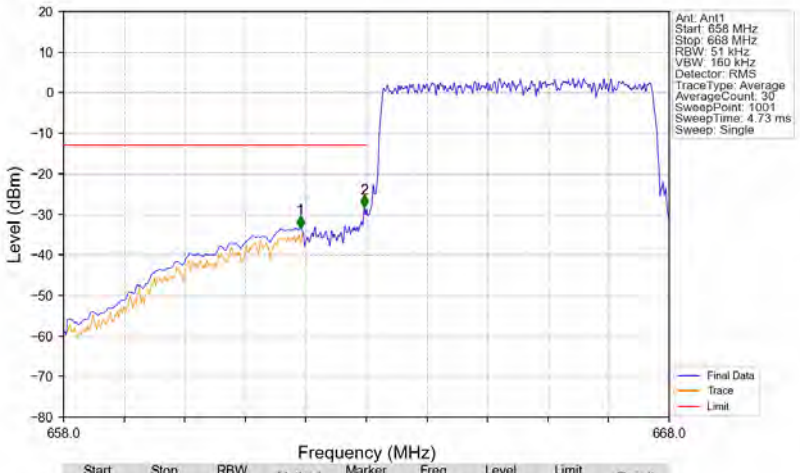


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.013	-45.94	-13	Pass
662	663	0.003	/	2	663.000	-33.56	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_64QAM_LCH_665.5MHz_RB_1_0_NTNV

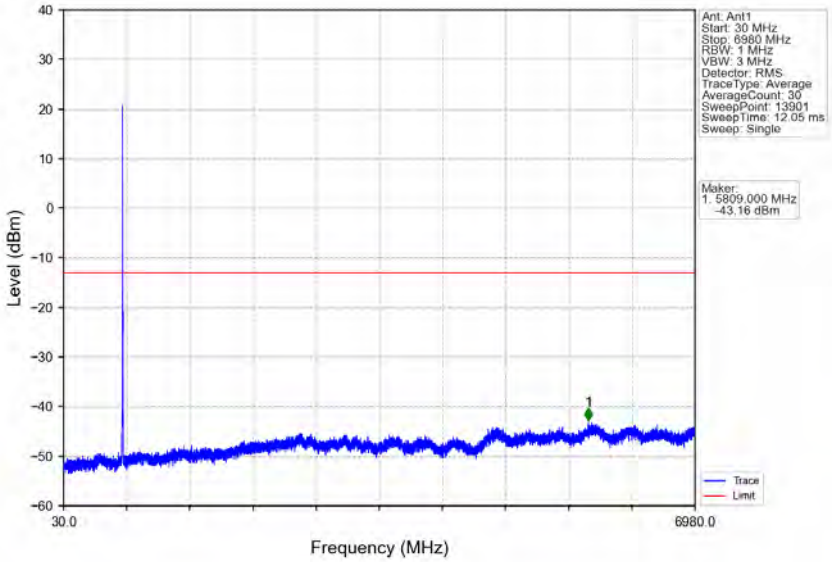


Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV

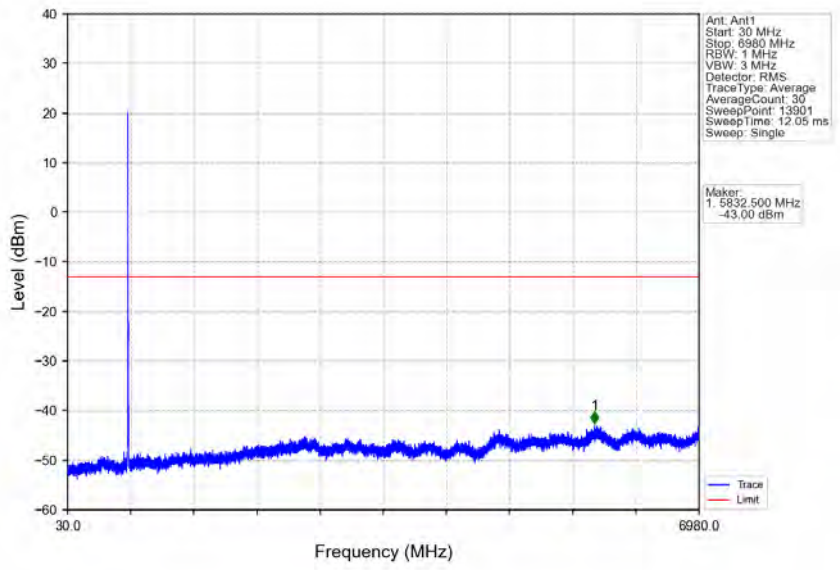


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.910	-33.38	-13	Pass
662	663	0.051	/	2	662.970	-28.33	-13	Pass
663	668	0.051	/	/	/	/	/	/

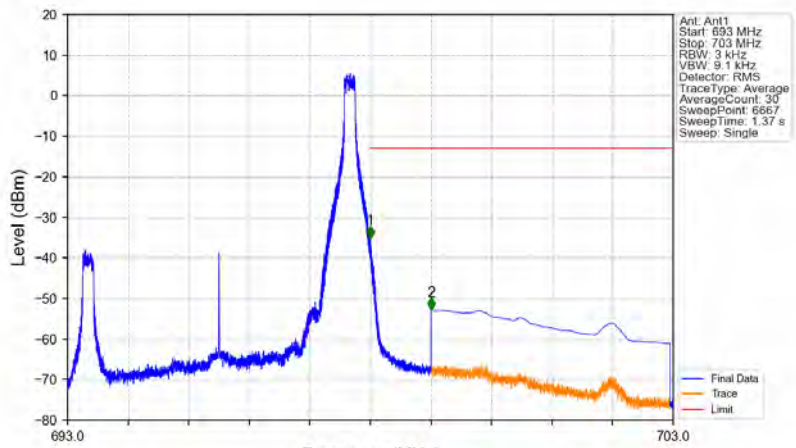
Band71_5MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_0_NTNV

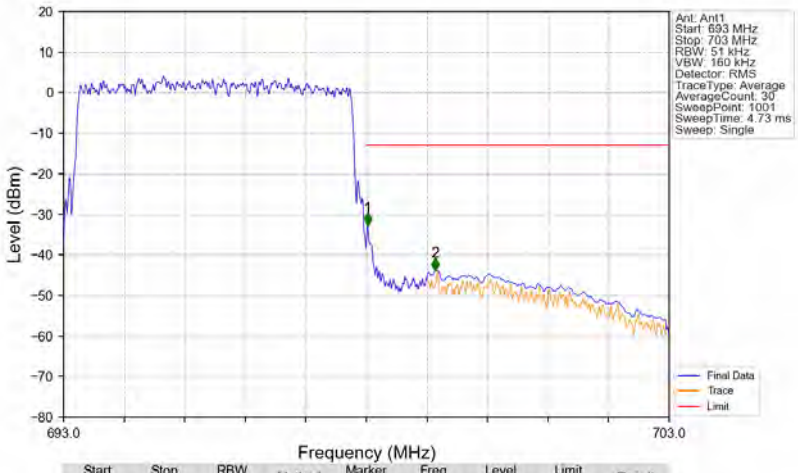


Band71_5MHz_64QAM_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-35.12	-13	Pass
699	703	0.1	CHP	2	699.008	-52.86	-13	Pass

Band71_5MHz_64QAM_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	-32.68	-13	Pass
699	703	0.1	CHP	2	699.140	-43.82	-13	Pass

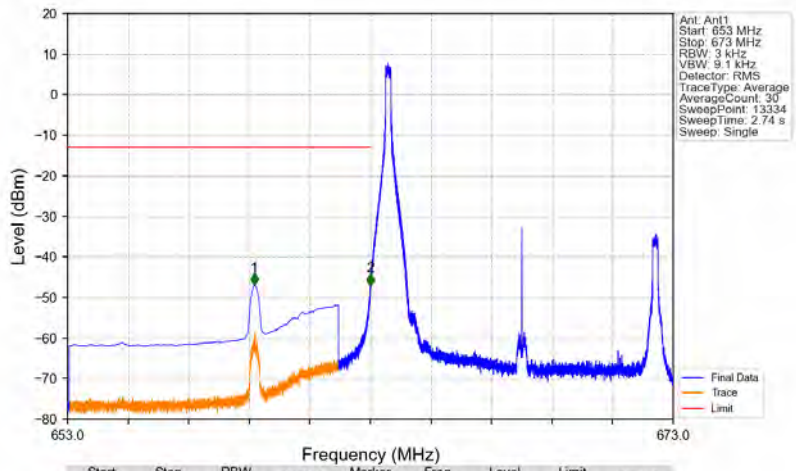
5.2 B71_10MHz

5.2.1 Test Result

Band: 71 / Bandwidth: 10MHz / NTNV						
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
	680.5	1	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
16QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	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
64QAM	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	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

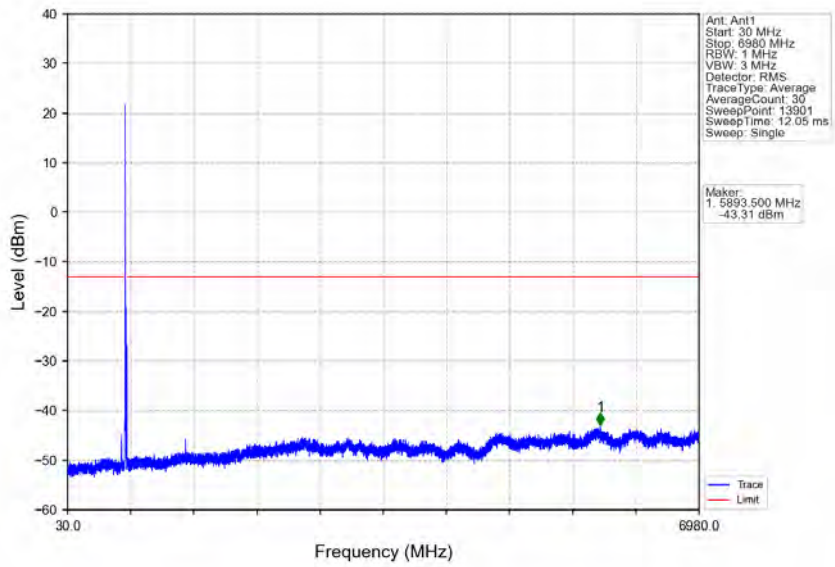
5.2.2 Test Graph

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

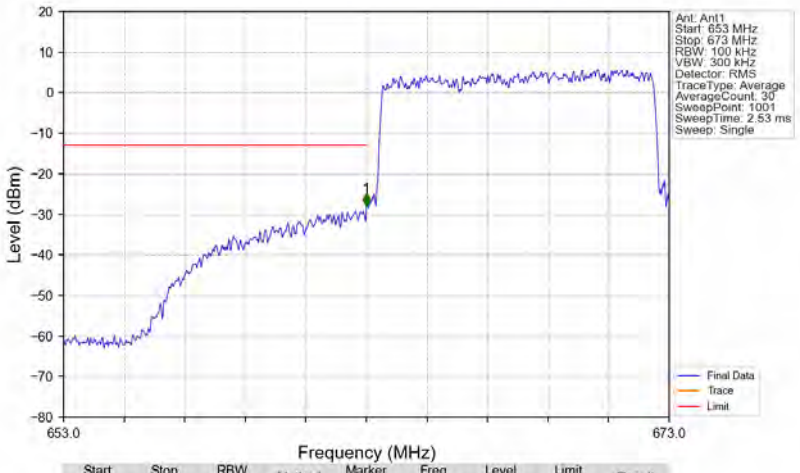


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	659.164	-47.04	-13	Pass
662	663	0.003	/	2	662.999	-47.12	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

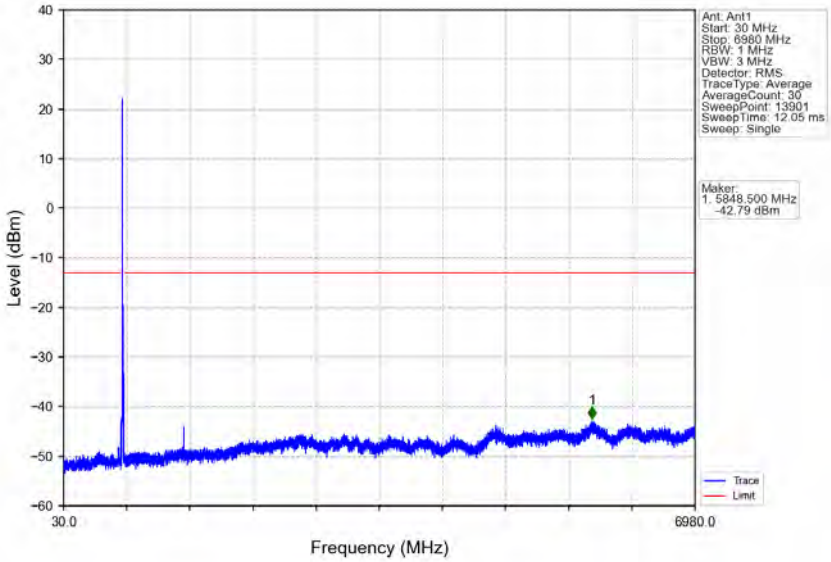


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

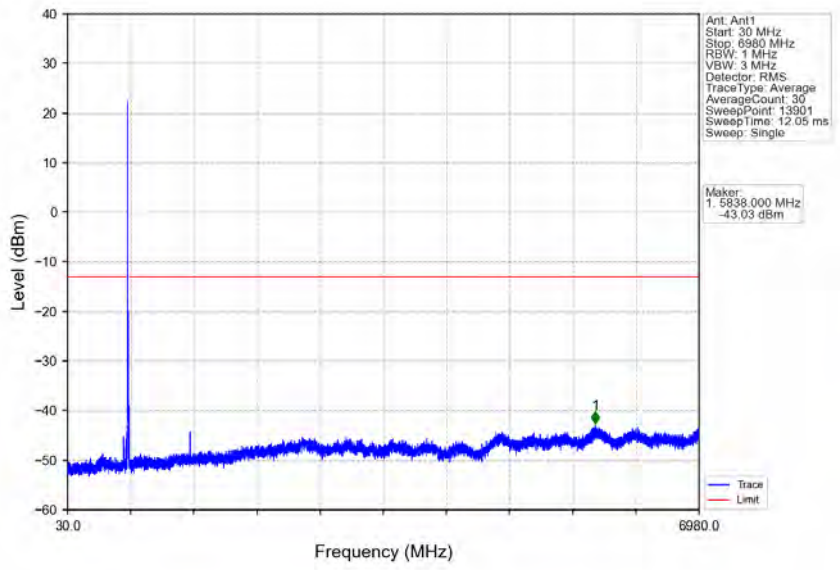


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	663.000	-28.02	-13	Pass
663	673	0.1	/	/	/	/	/	/

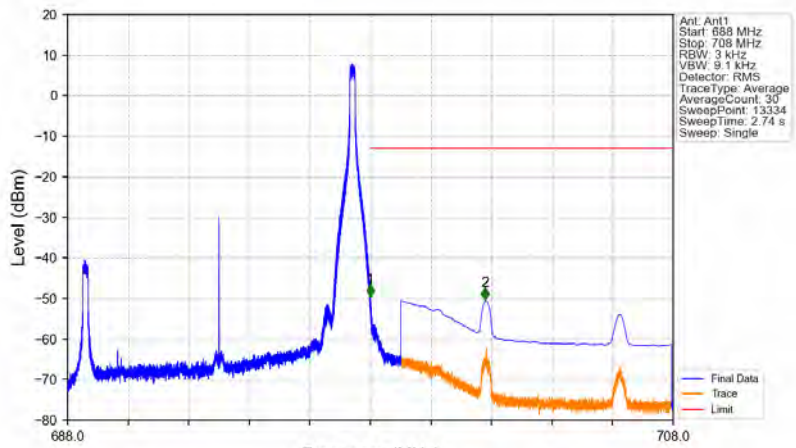
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

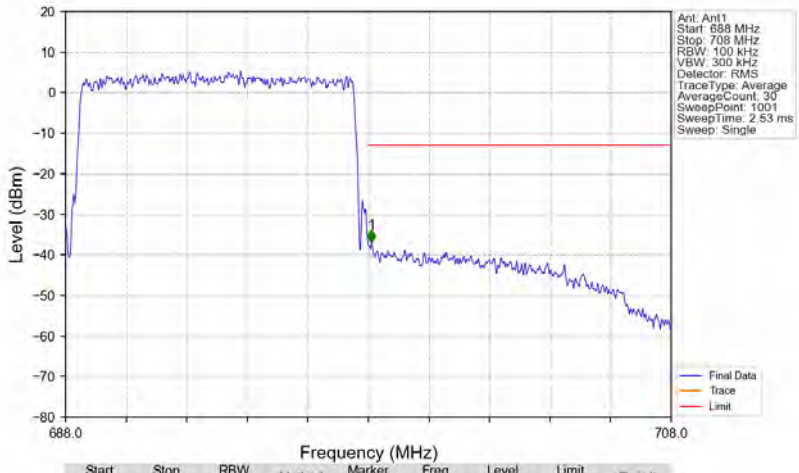


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



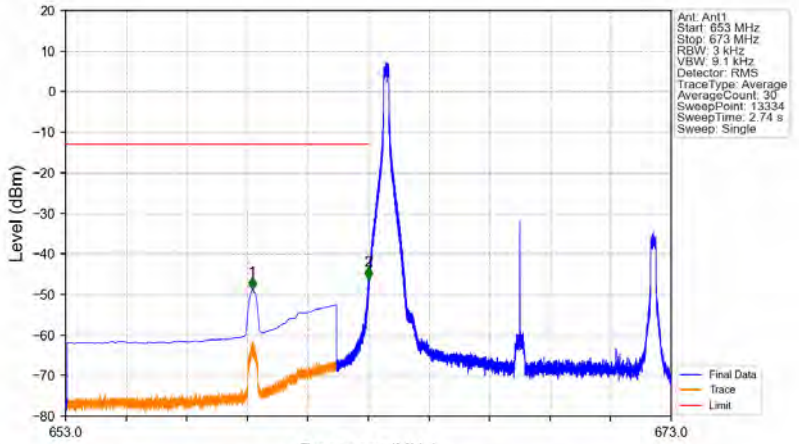
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-49.68	-13	Pass
699	708	0.1	CHP	2	701.791	-50.39	-13	Pass

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



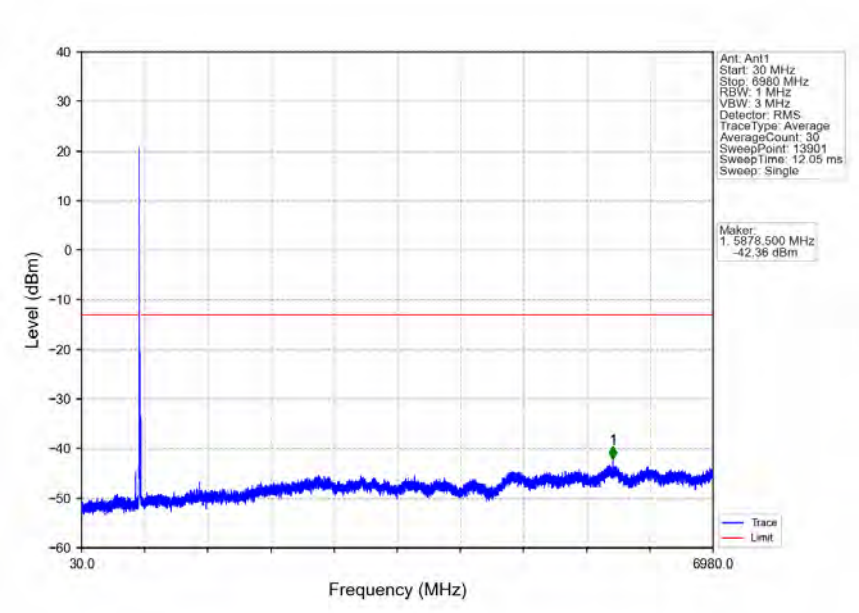
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.100	-37.04	-13	Pass

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

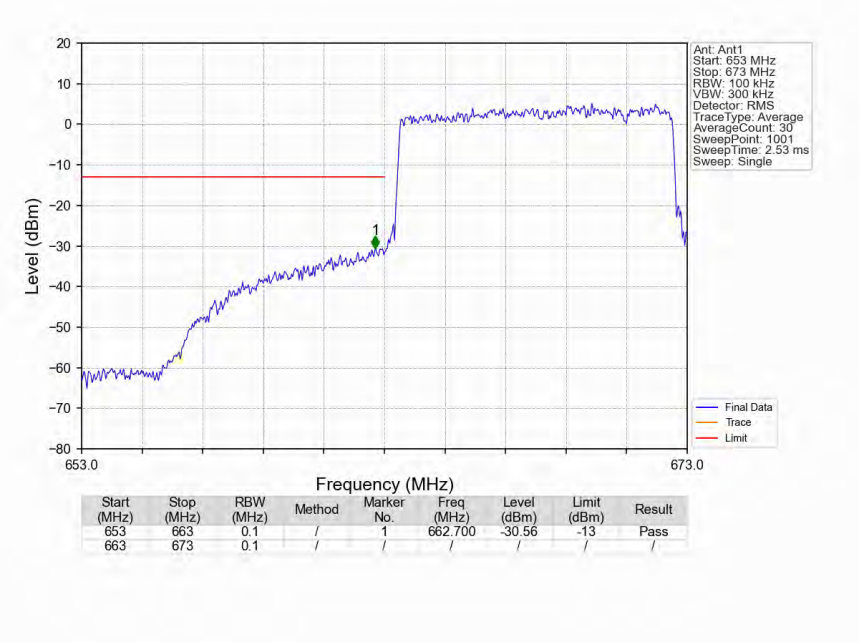


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	659.165	-48.81	-13	Pass
662	663	0.003	/	2	662.998	-46.26	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

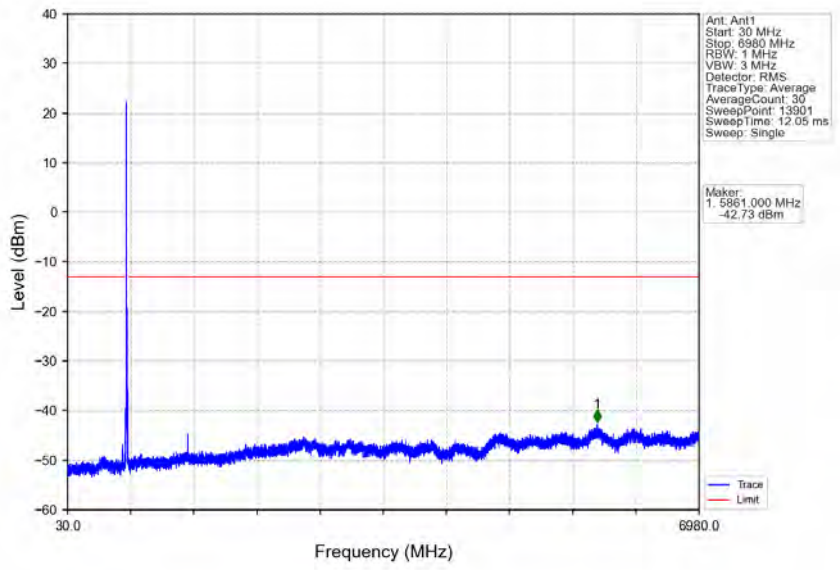


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

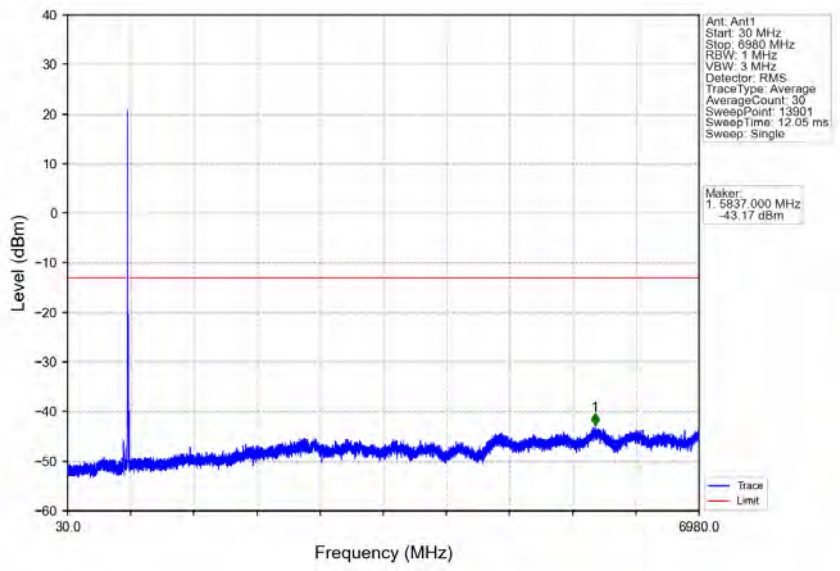


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.700	-30.56	-13	Pass
663	673	0.1	/	/	/	/	/	/

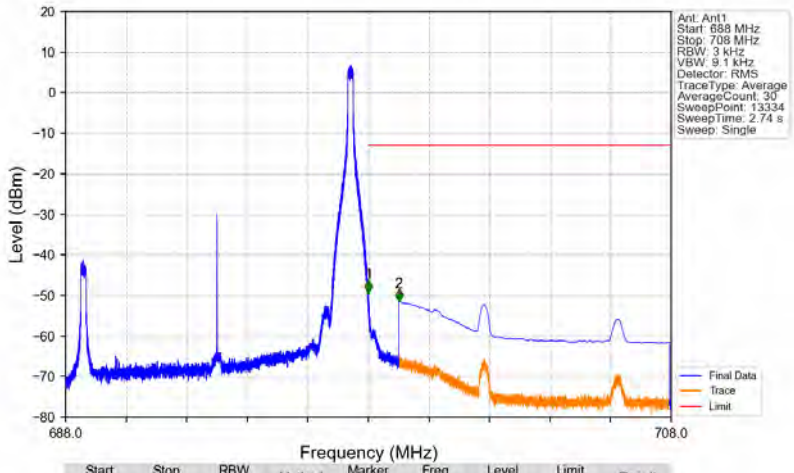
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV

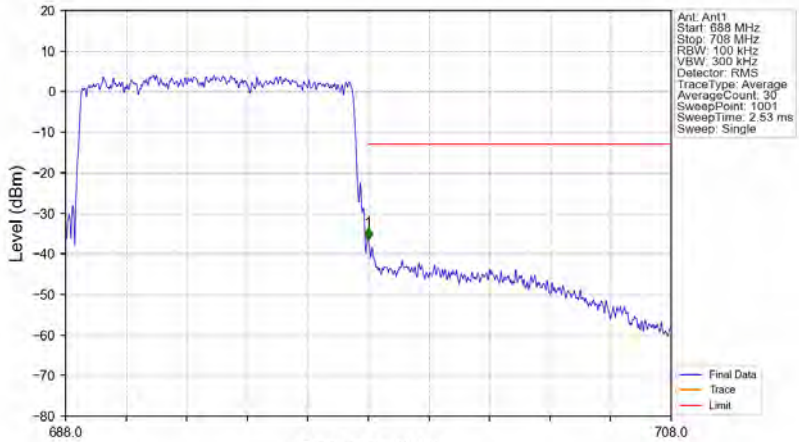


Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



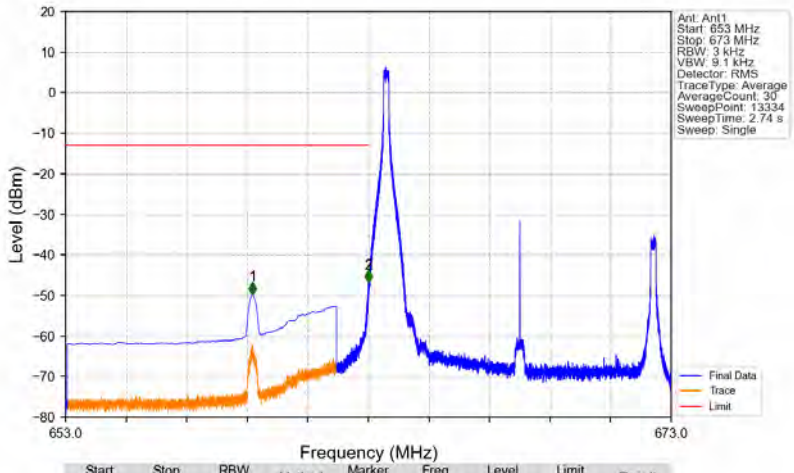
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.002	-49.22	-13	Pass
699	708	0.1	CHP	2	699.006	-51.41	-13	Pass

Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



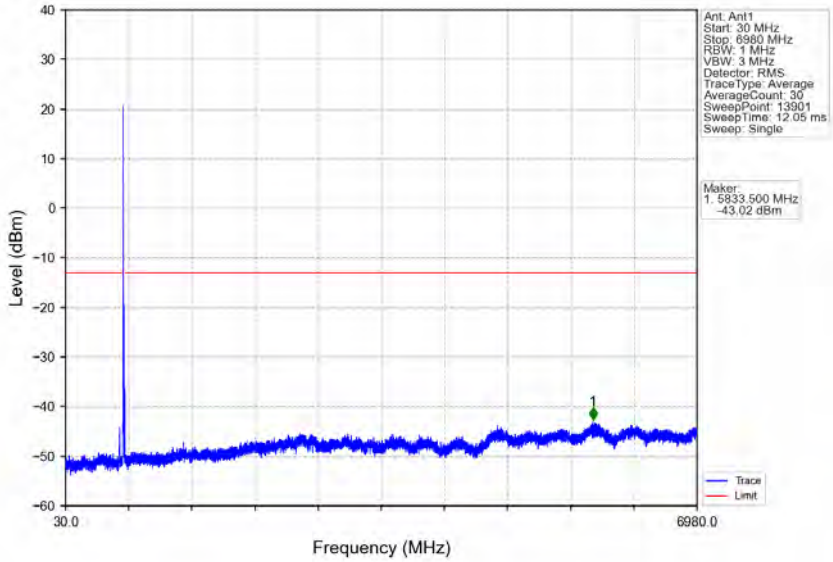
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.000	-36.67	-13	Pass

Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV

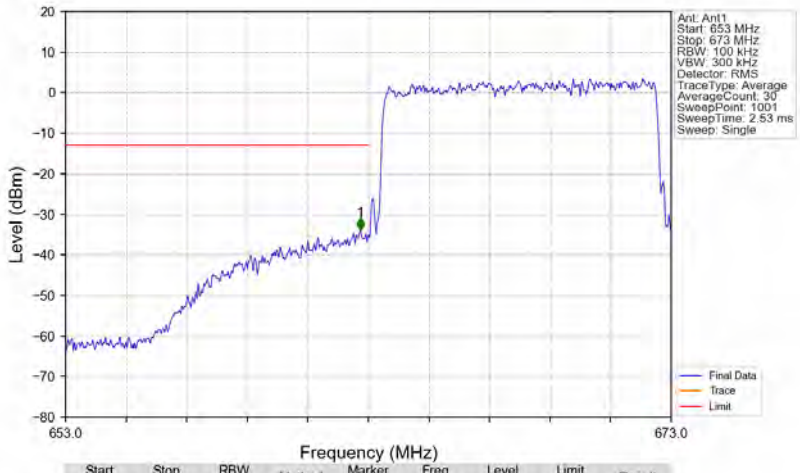


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	659.176	-49.75	-13	Pass
662	663	0.003	/	2	662.999	-46.81	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_64QAM_LCH_668MHz_RB_1_0_NTNV

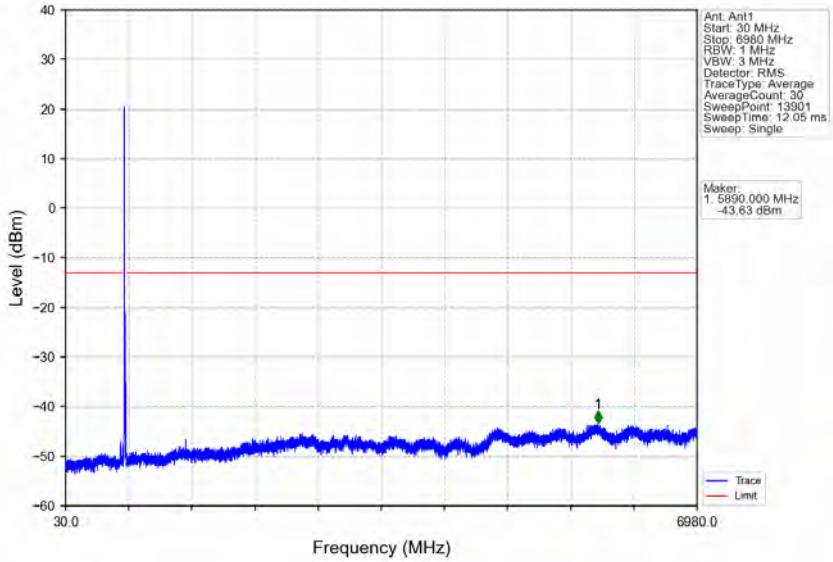


Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV

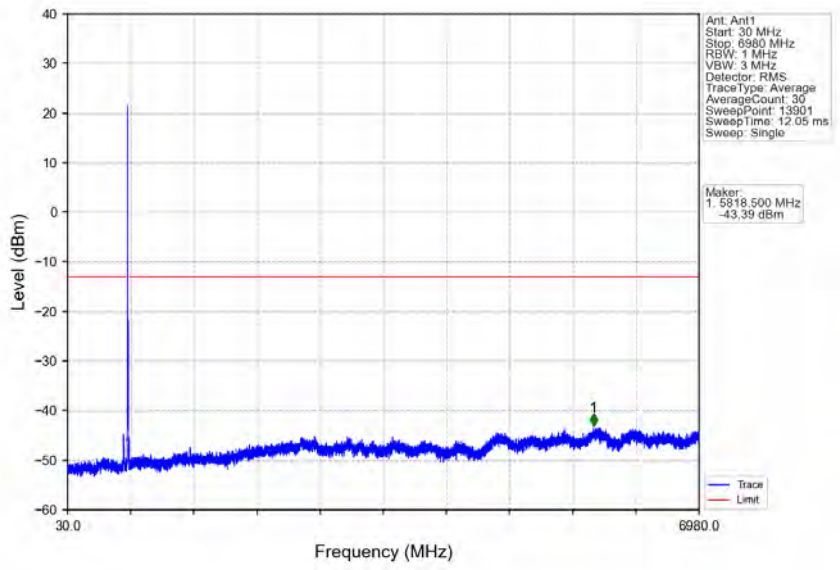


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.740	-33.98	-13	Pass
663	673	0.1	/	/	/	/	/	/

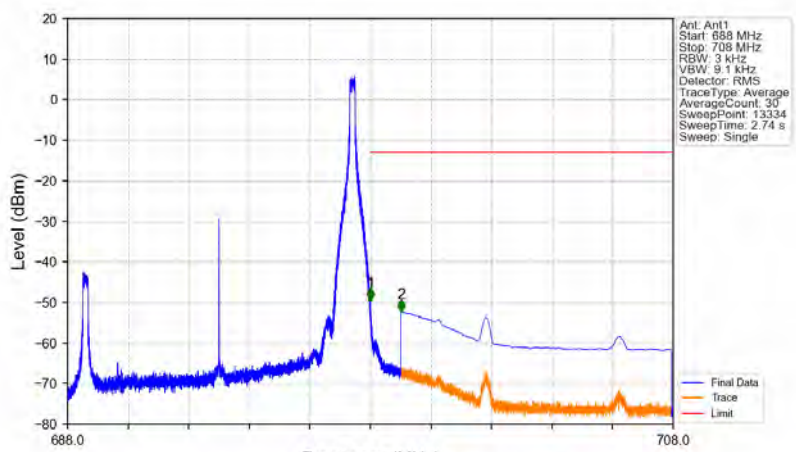
Band71_10MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_64QAM_HCH_693MHz_RB_1_0_NTNV

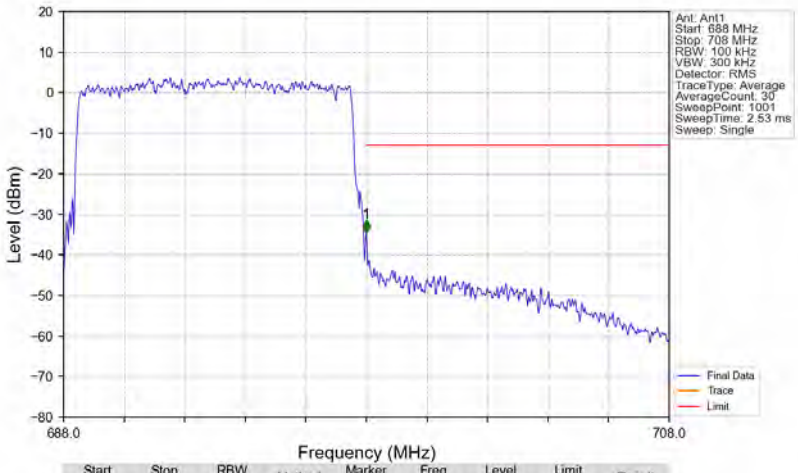


Band71_10MHz_64QAM_HCH_693MHz_RB_1_49_NTNV



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	698.002	-49.44	-13	Pass
699	708	0.1	CHP	2	699.019	-52.28	-13	Pass

Band71_10MHz_64QAM_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	708	0.1	/	1	698.000	-34.43	-13	Pass

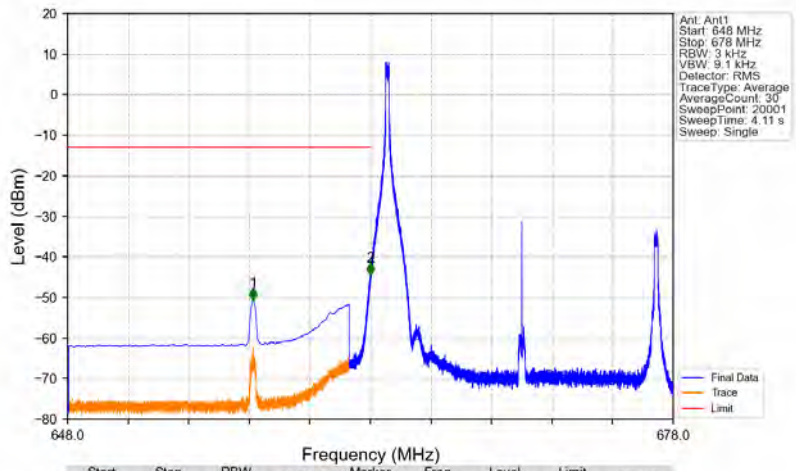
5.3 B71_15MHz

5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
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
	680.5	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
16QAM	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	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
64QAM	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	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

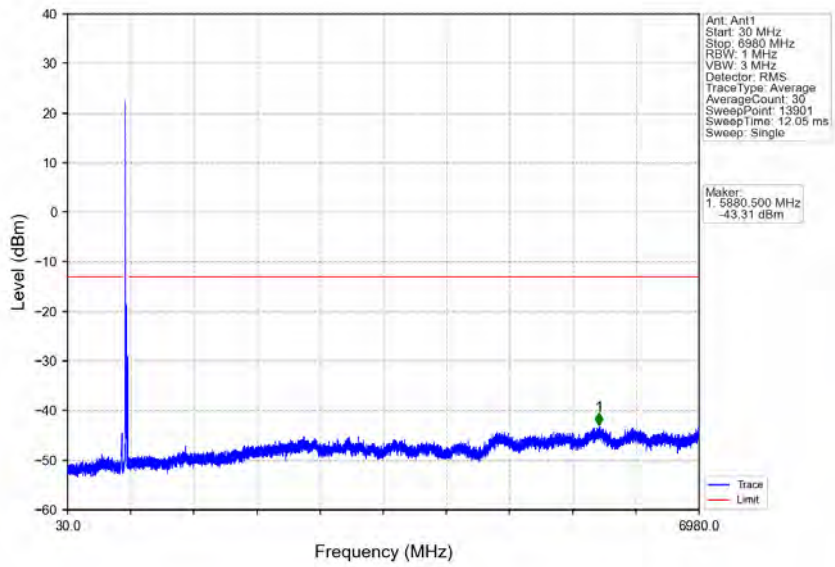
5.3.2 Test Graph

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

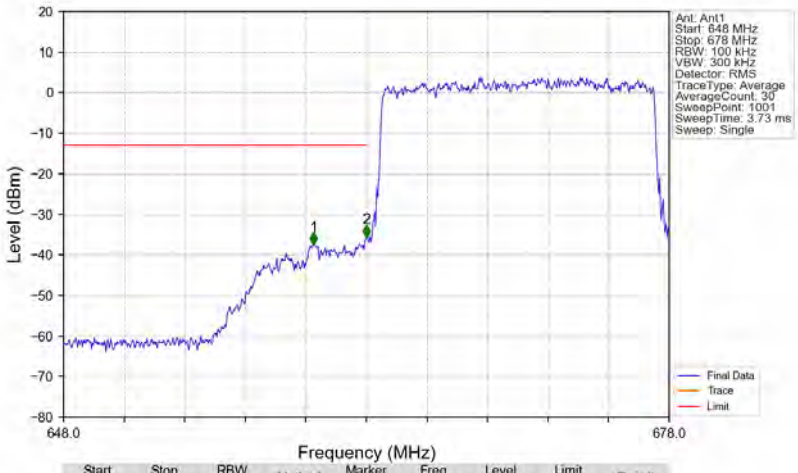


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	657.193	-50.74	-13	Pass
662	663	0.003	/	2	662.994	-44.56	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

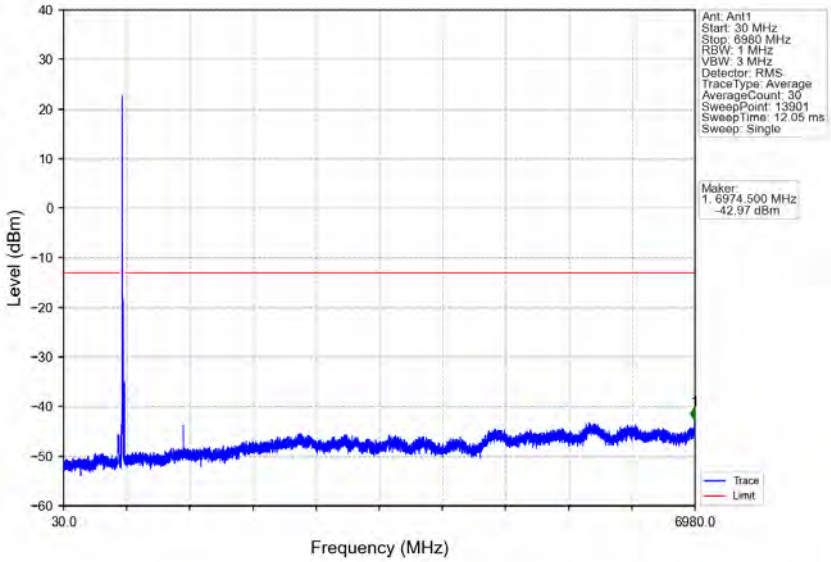


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

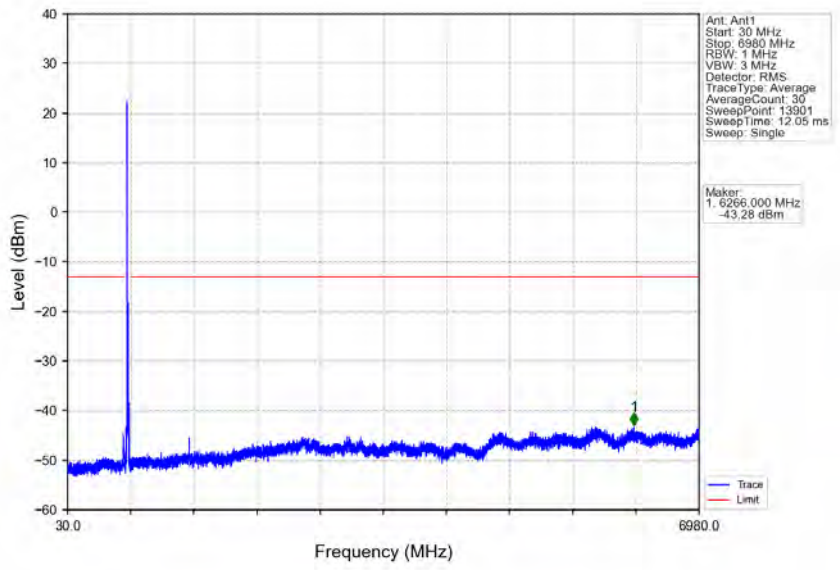


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.390	-37.47	-13	Pass
662	663	0.149	/	2	663.000	-35.67	-13	Pass
663	678	0.149	/	/	/	/	/	/

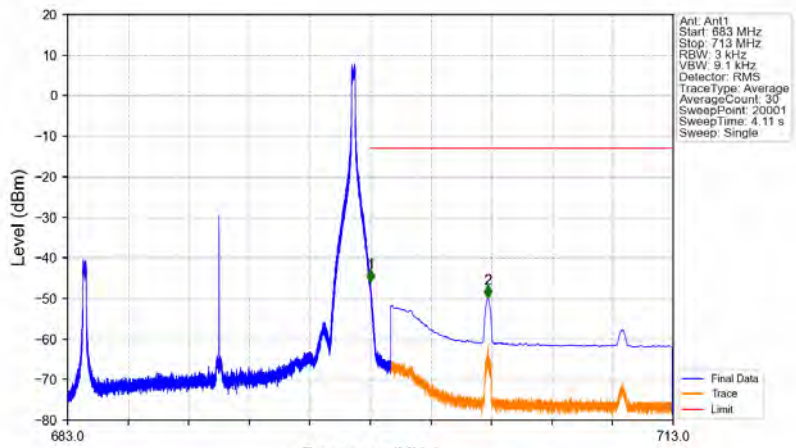
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

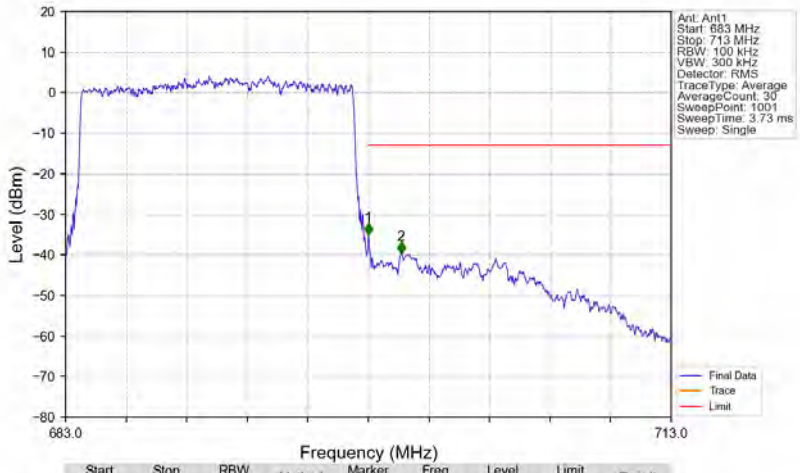


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



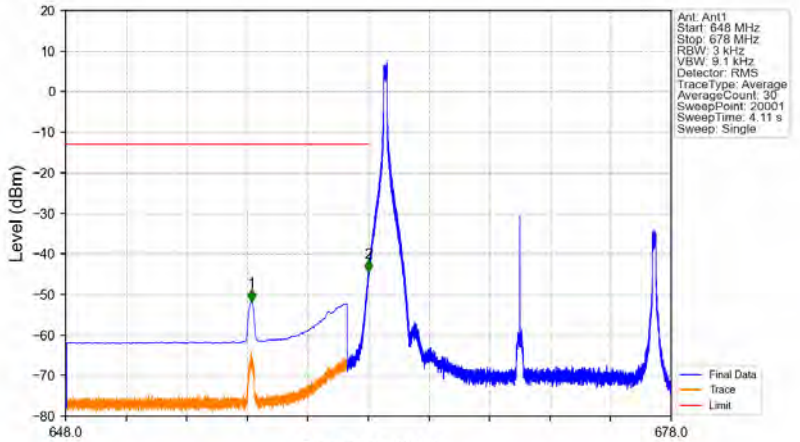
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-45.97	-13	Pass
699	713	0.1	CHP	2	703.817	-49.89	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



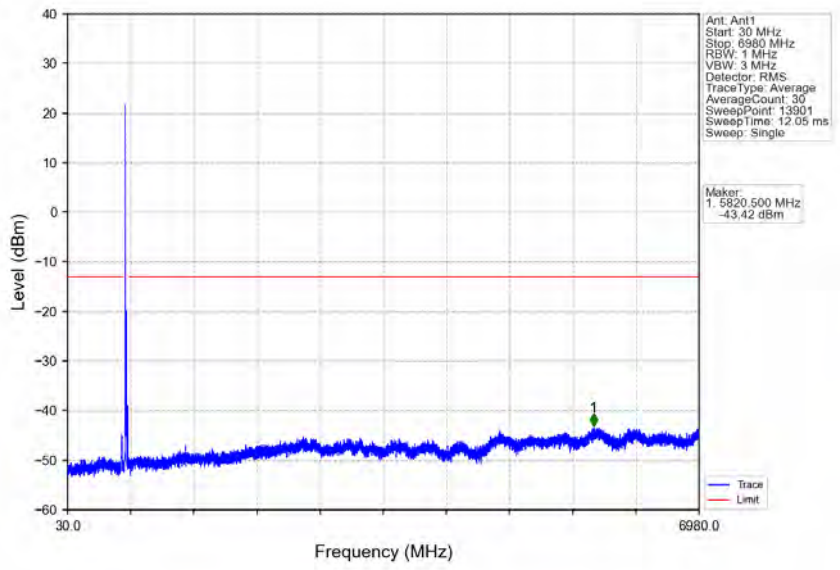
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.149	/	/	/	/	/	/
698	699	0.149	/	1	698.000	-35.15	-13	Pass
699	713	0.1	/	2	699.620	-39.84	-13	Pass

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

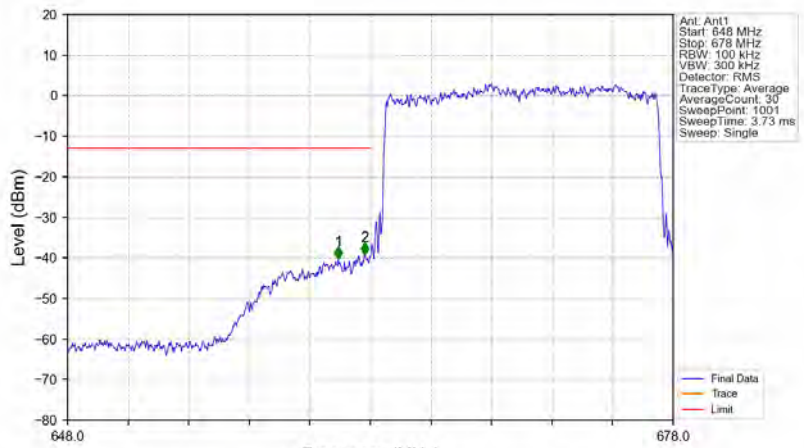


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	657.213	-51.70	-13	Pass
662	663	0.003	/	2	663.000	-44.49	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

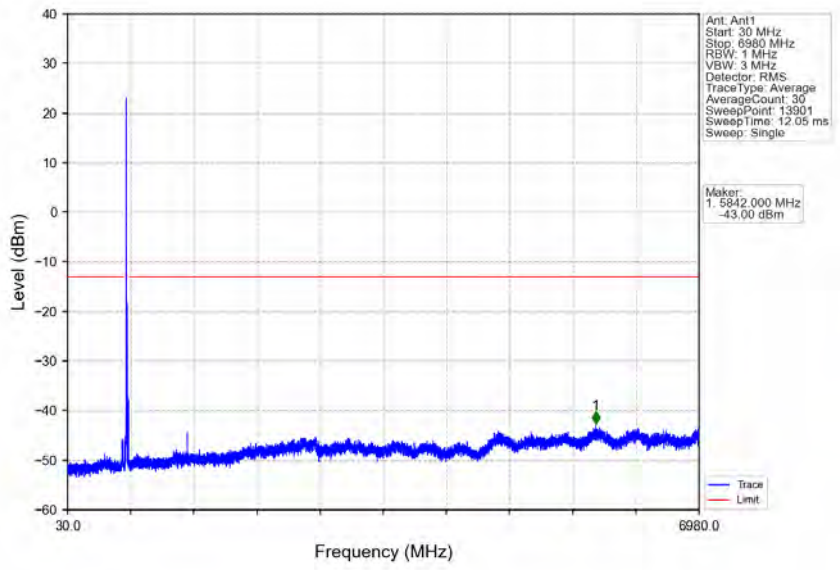


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

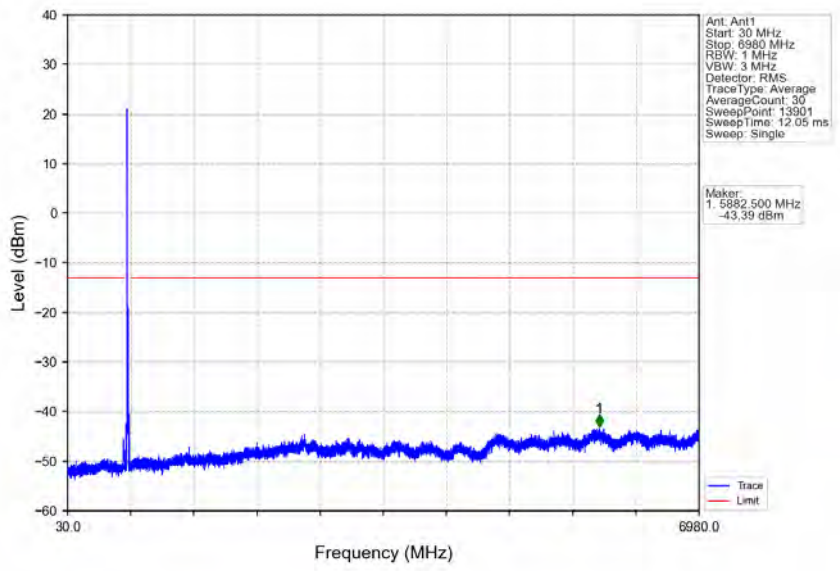


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.410	-40.31	-13	Pass
662	663	0.149	/	2	662.730	-39.22	-13	Pass
663	678	0.149	/	/	/	/	/	/

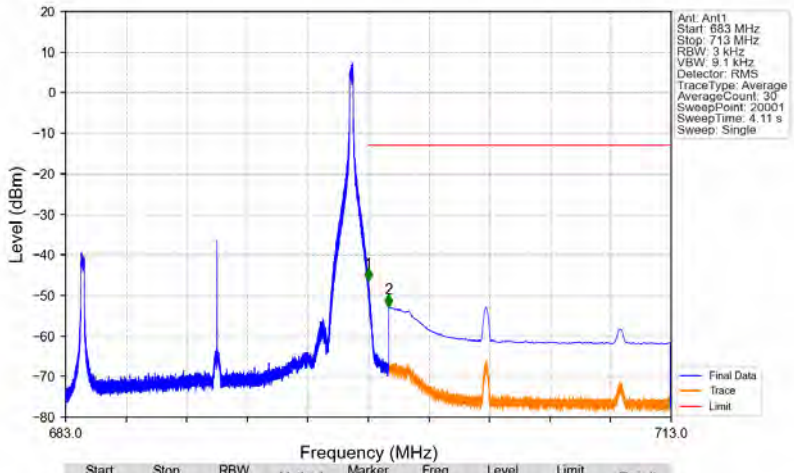
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV

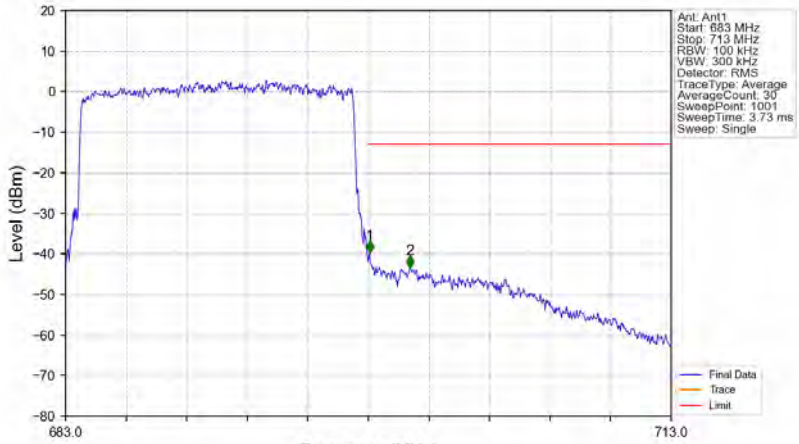


Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



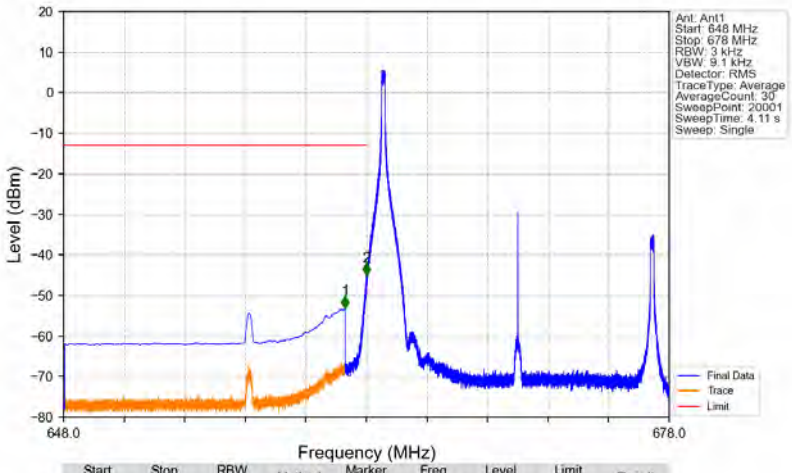
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.001	-46.53	-13	Pass
699	713	0.1	CHP	2	699.004	-52.91	-13	Pass

Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



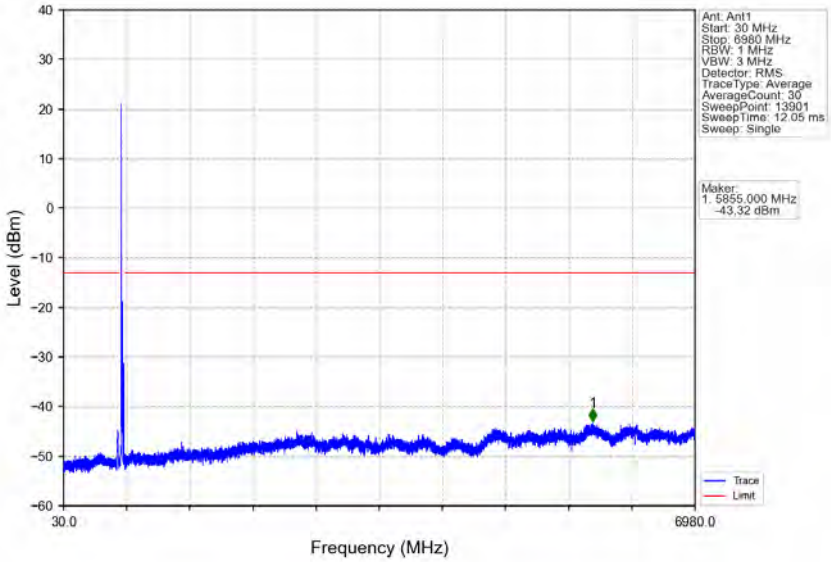
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.148	/	/	/	/	/	/
698	699	0.148	/	1	698.060	-39.78	-13	Pass
699	713	0.1	/	2	700.070	-43.53	-13	Pass

Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV

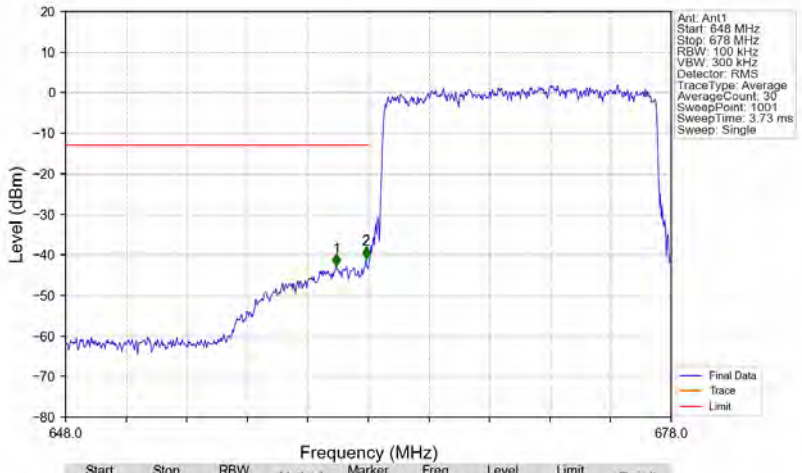


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.948	-53.24	-13	Pass
662	663	0.003	/	2	662.997	-45.12	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_64QAM_LCH_670.5MHz_RB_1_0_NTNV

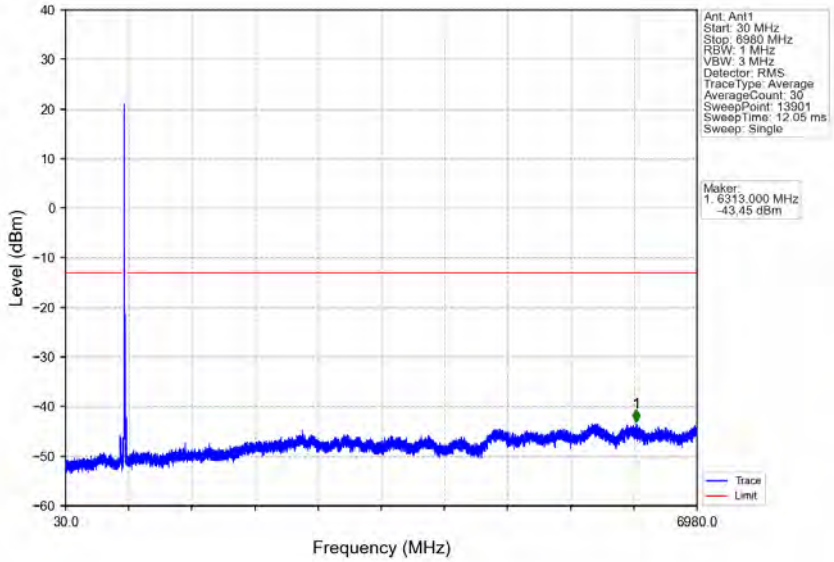


Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV

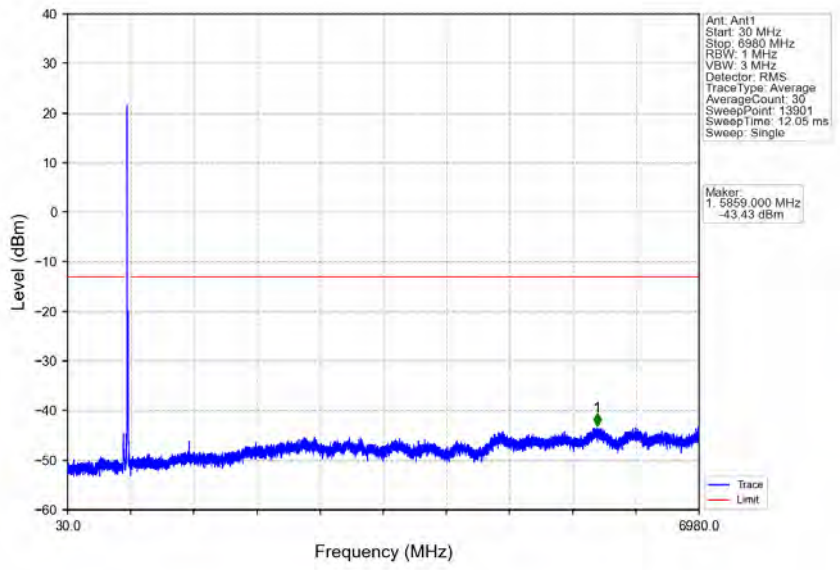


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.410	-42.74	-13	Pass
662	663	0.149	/	2	662.880	-40.95	-13	Pass
663	678	0.149	/	/	/	/	/	/

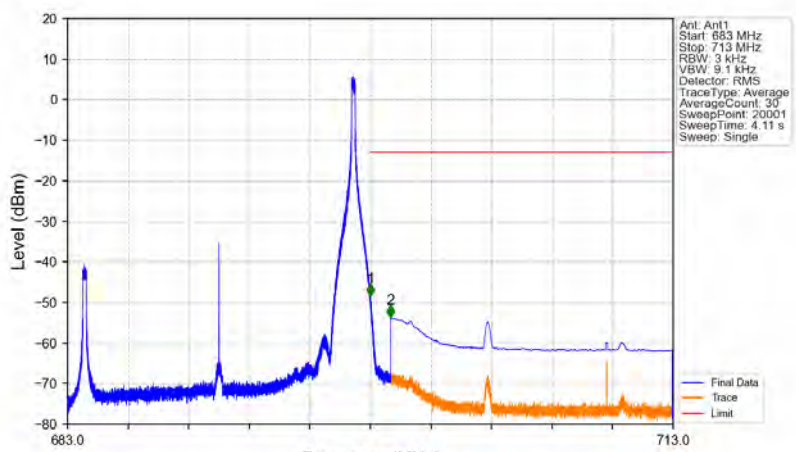
Band71_15MHz_64QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_0_NTNV

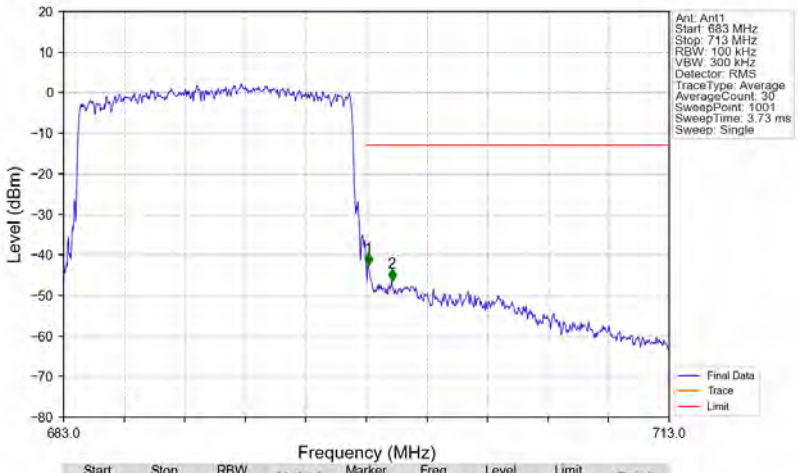


Band71_15MHz_64QAM_HCH_690.5MHz_RB_1_74_NTNV



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	698.003	-48.48	-13	Pass
699	713	0.1	CHP	2	699.005	-53.73	-13	Pass

Band71_15MHz_64QAM_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	0.149	/	/	/	/	/	/
698	699	0.149	/	1	698.090	-42.59	-13	Pass
699	713	0.1	/	2	699.260	-46.56	-13	Pass

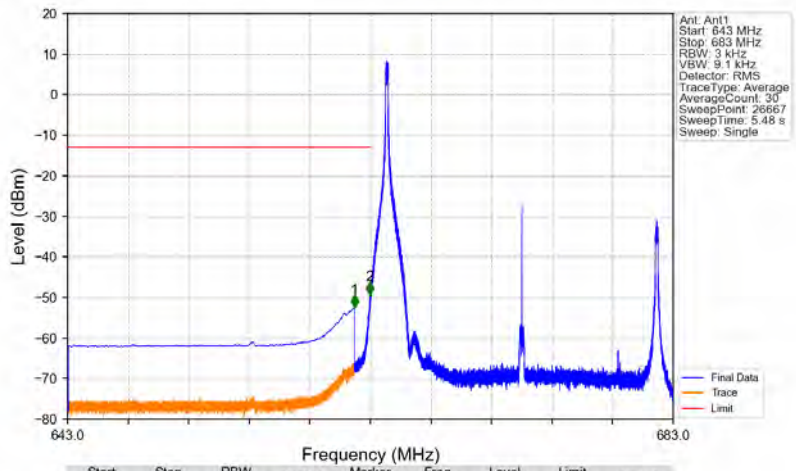
5.4 B71_20MHz

5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
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
64QAM	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

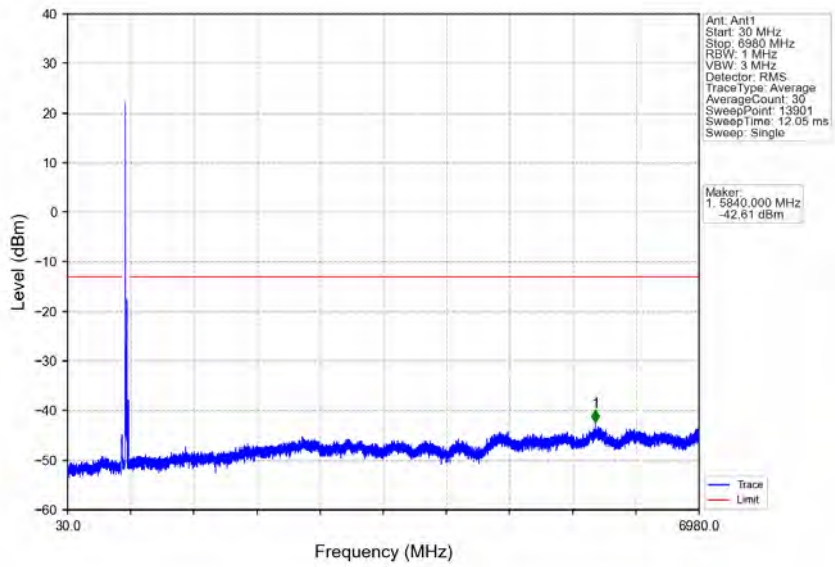
5.4.2 Test Graph

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

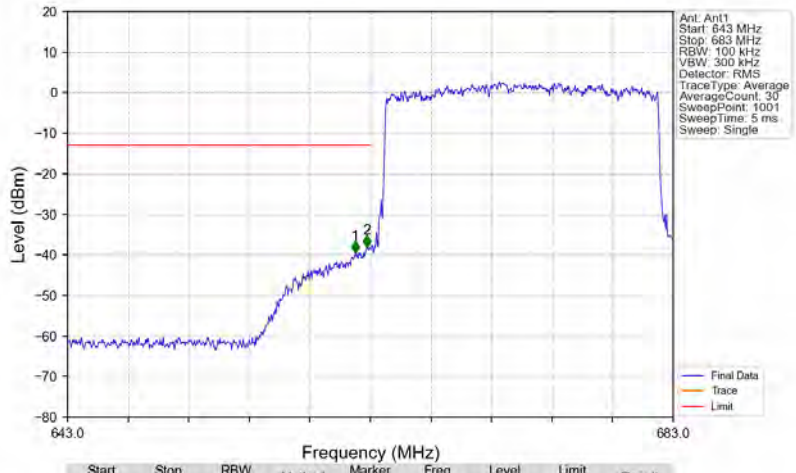


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.947	-52.47	-13	Pass
662	663	0.003	/	2	662.968	-49.23	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

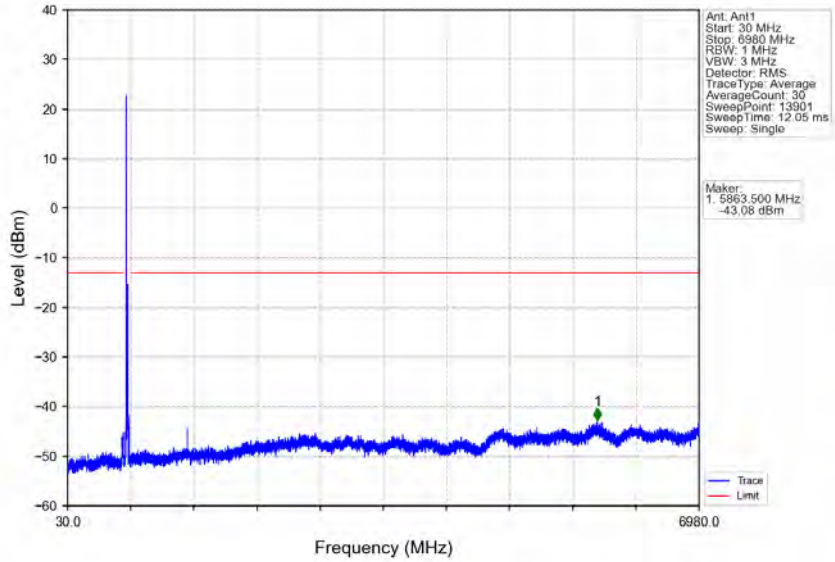


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

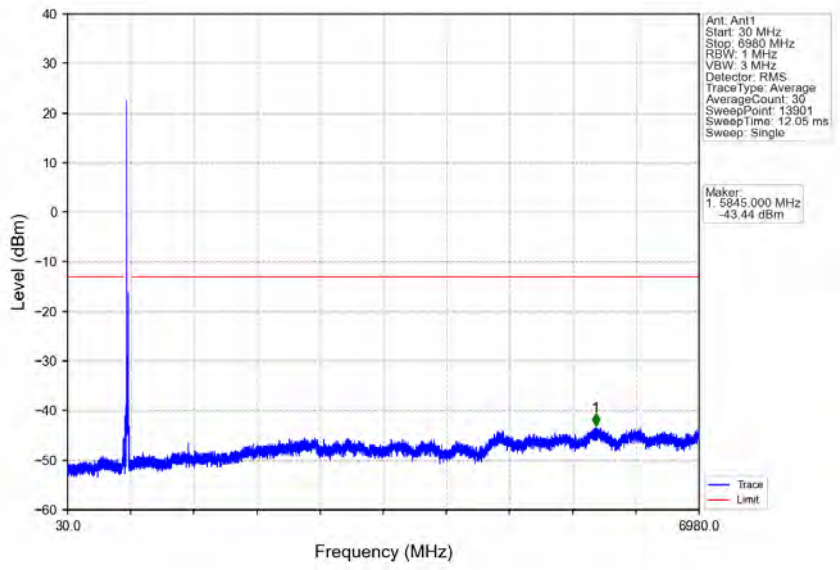


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-39.68	-13	Pass
662	663	0.196	/	2	662.760	-38.19	-13	Pass
663	683	0.196	/	/	/	/	/	/

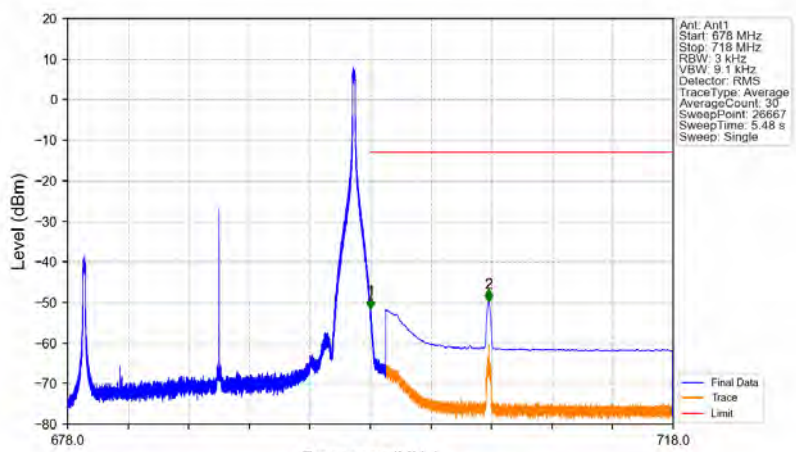
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

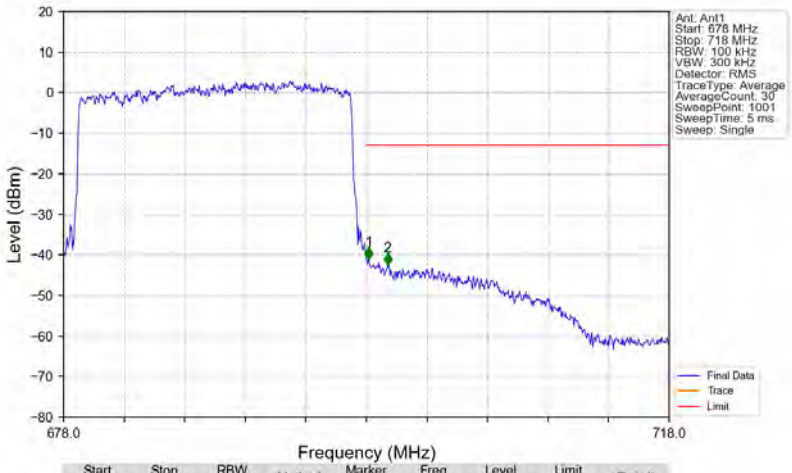


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



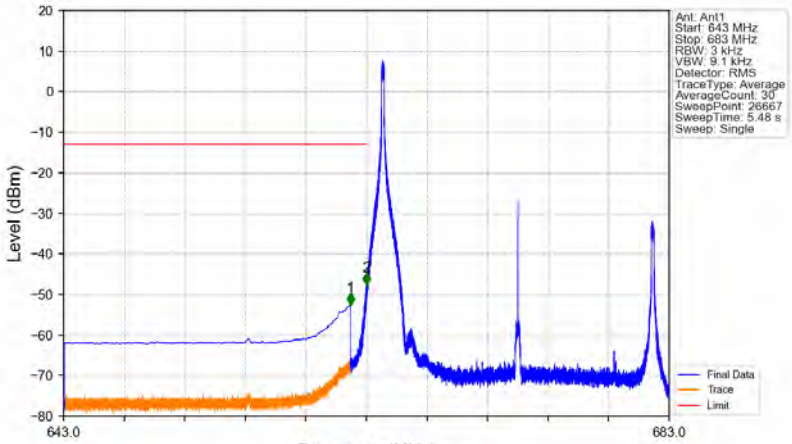
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.003	-51.66	-13	Pass
699	718	0.1	CHP	2	705.790	-49.90	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



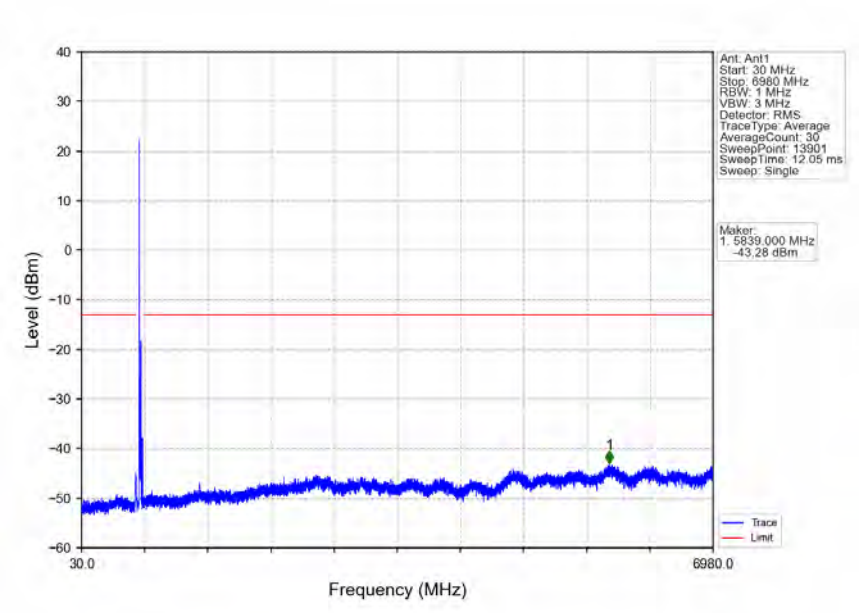
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.198	/	/	/	/	/	/
698	699	0.198	/	1	698.160	-41.14	-13	Pass
699	718	0.1	/	2	699.400	-42.60	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

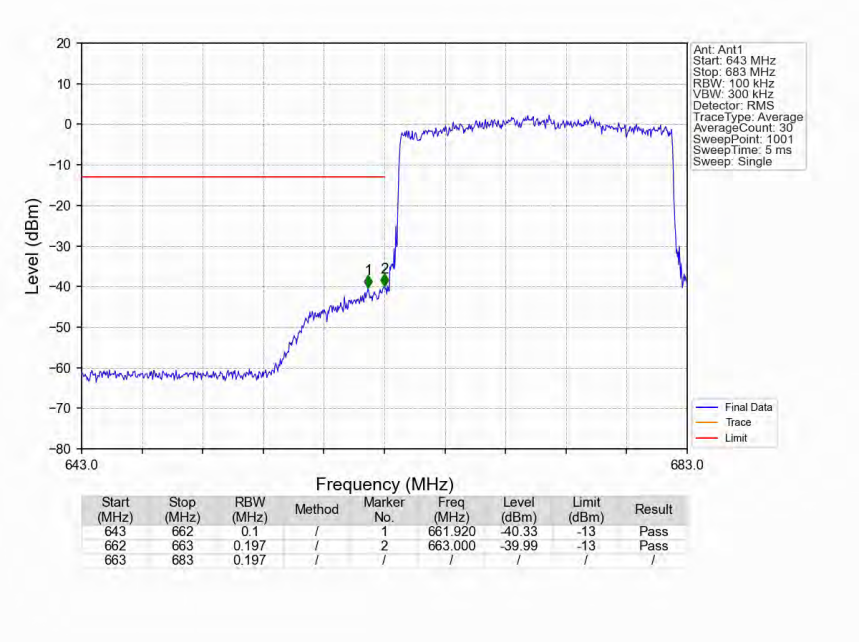


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.948	-52.63	-13	Pass
662	663	0.003	/	2	662.997	-47.73	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

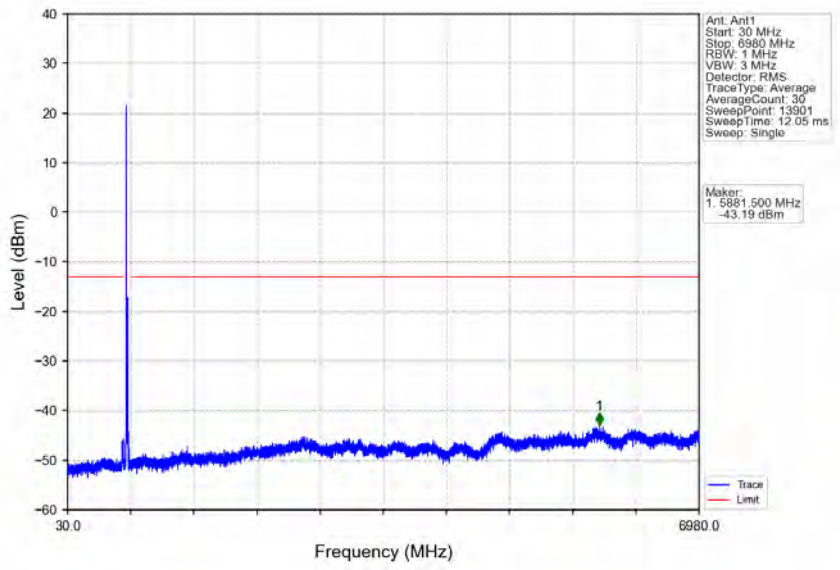


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

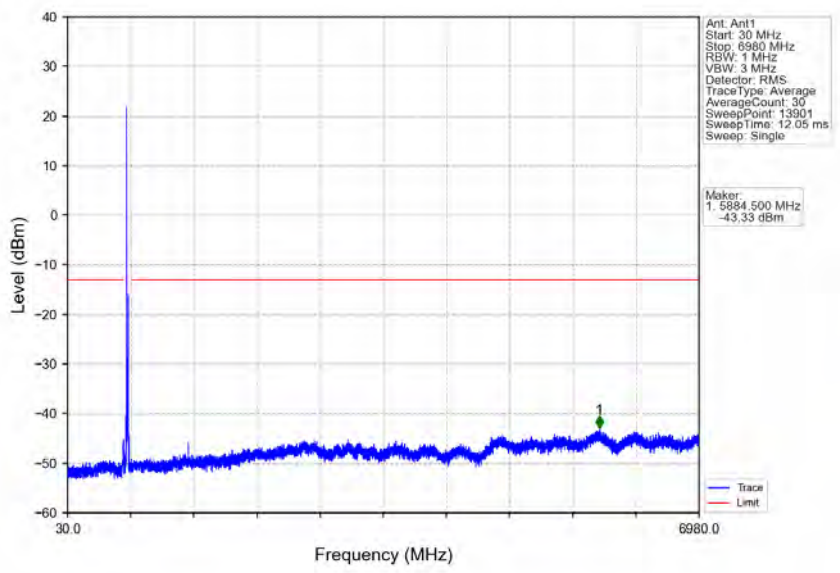


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.920	-40.33	-13	Pass
662	663	0.197	/	2	663.000	-39.99	-13	Pass
663	683	0.197	/	/	/	/	/	/

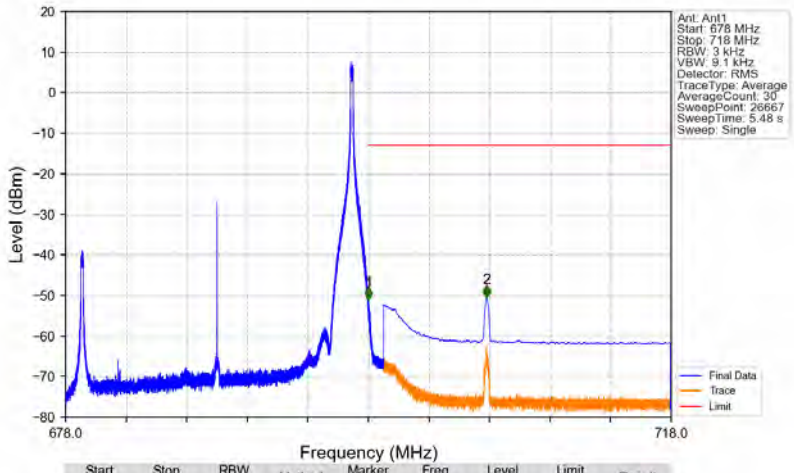
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV

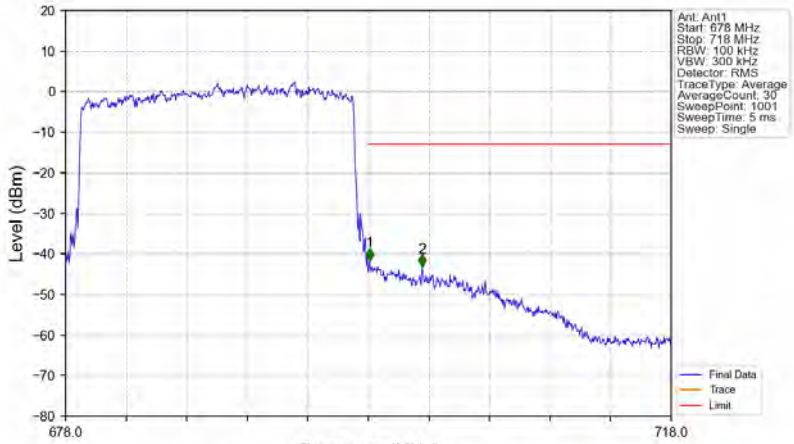


Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



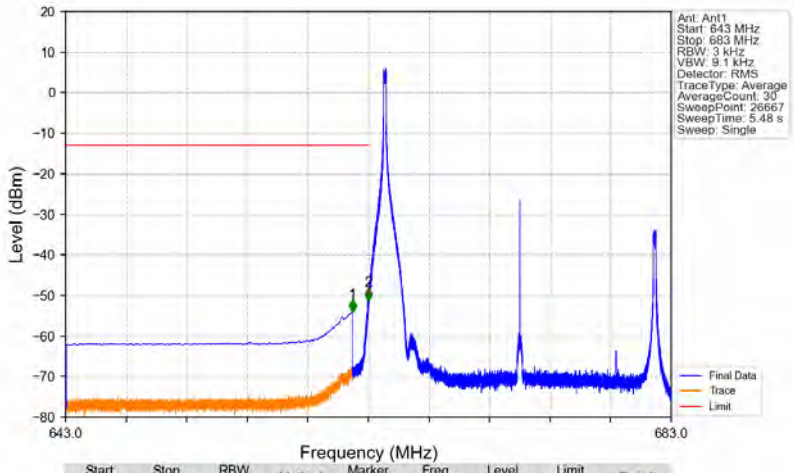
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.008	-51.04	-13	Pass
699	718	0.1	CHP	2	705.812	-50.47	-13	Pass

Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



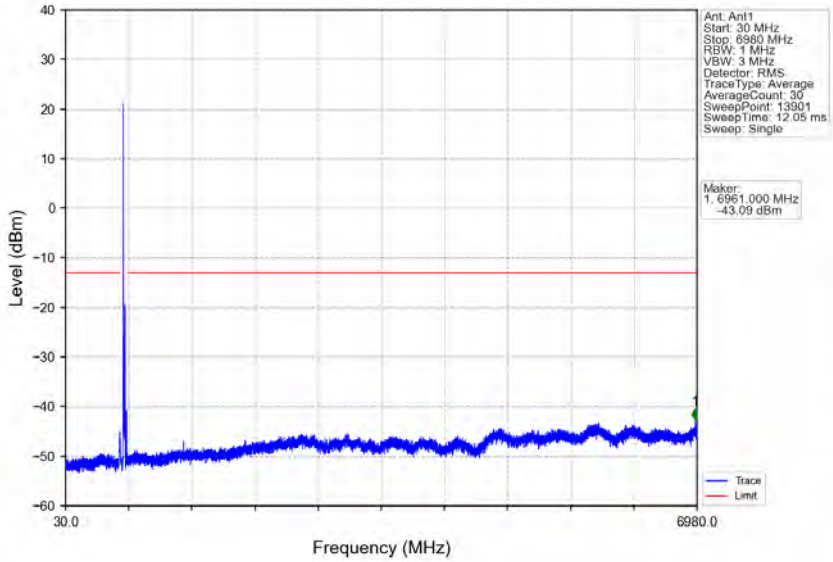
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.198	/	/	/	/	/	/
698	699	0.198	/	1	698.080	-41.67	-13	Pass
699	718	0.1	/	2	701.560	-43.10	-13	Pass

Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV

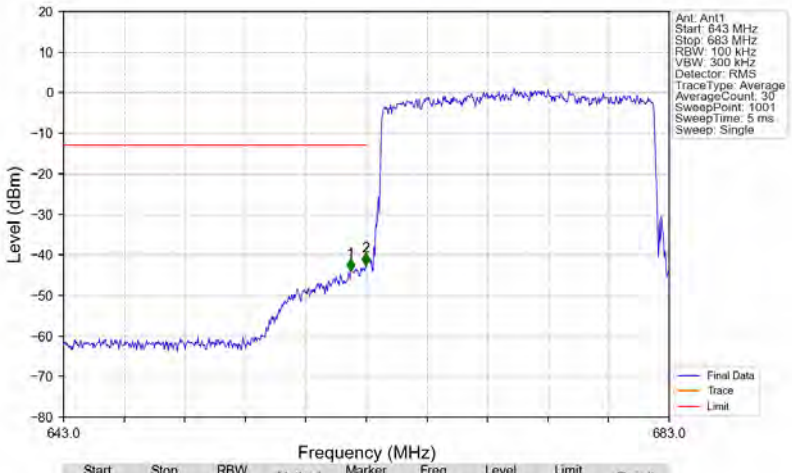


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.939	-54.02	-13	Pass
662	663	0.003	/	2	662.997	-51.17	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_64QAM_LCH_673MHz_RB_1_0_NTNV

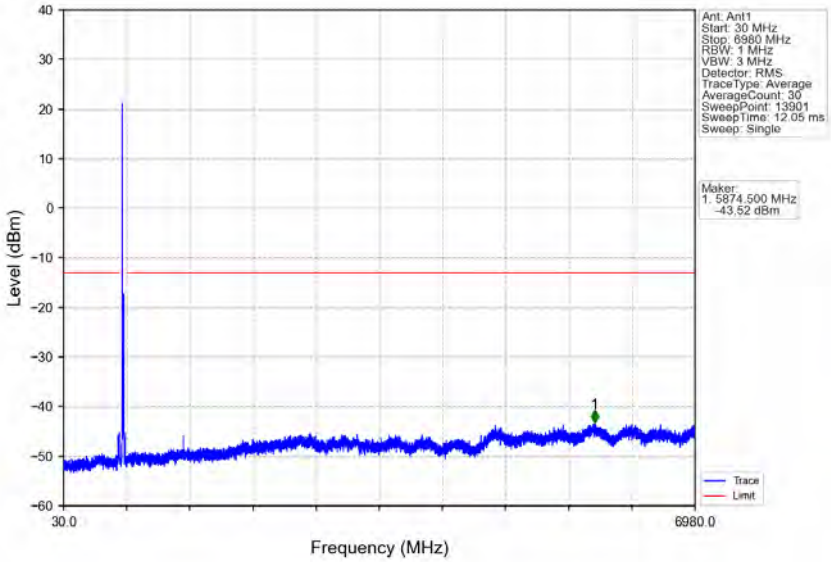


Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV

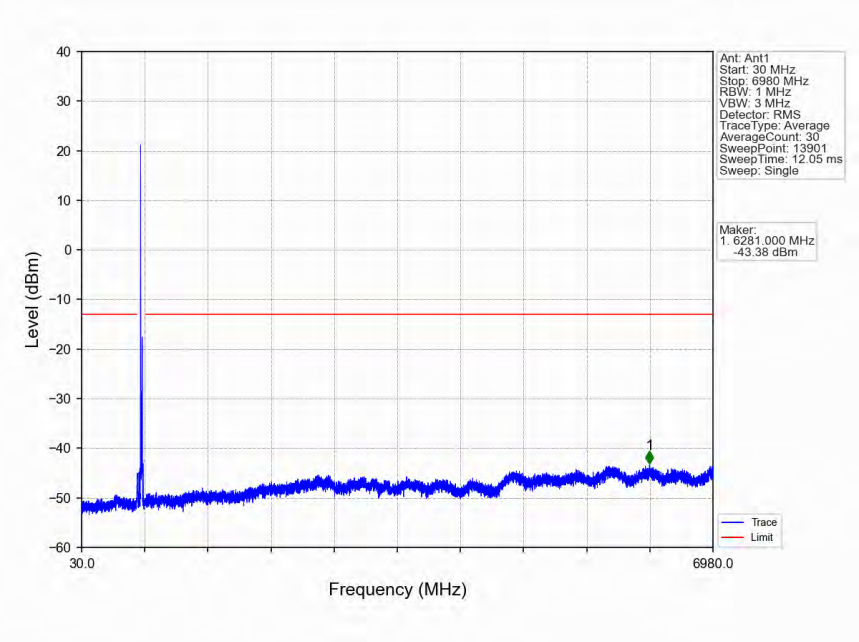


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.960	-44.09	-13	Pass
662	663	0.198	/	2	662.960	-42.66	-13	Pass
663	683	0.198	/	/	/	/	/	/

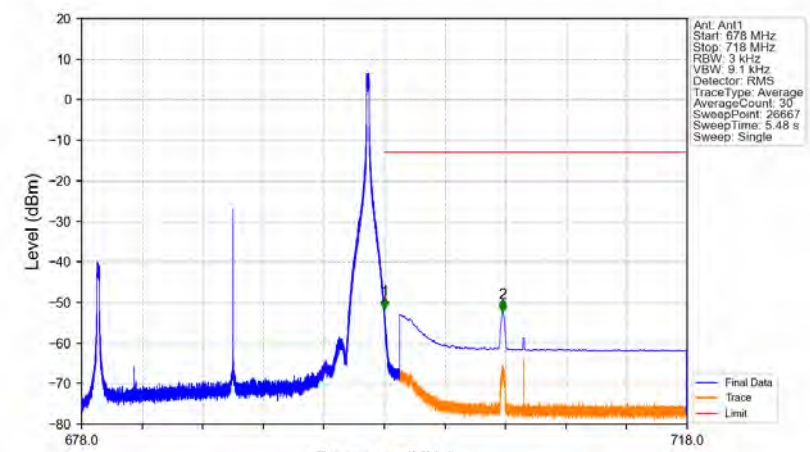
Band71_20MHz_64QAM_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_1_0_NTNV

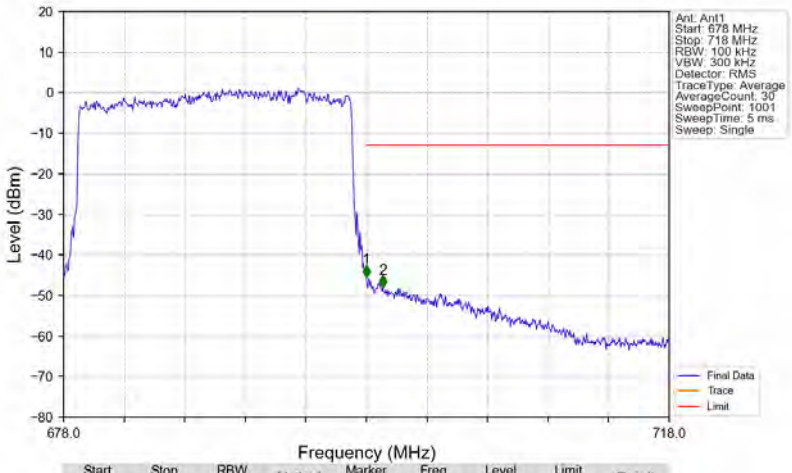


Band71_20MHz_64QAM_HCH_688MHz_RB_1_99_NTNV



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	698.008	-51.66	-13	Pass
699	718	0.1	CHP	2	705.805	-52.34	-13	Pass

Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.196	/	/	/	/	/	/
698	699	0.196	/	1	698.000	-45.54	-13	Pass
699	718	0.1	/	2	699.080	-48.12	-13	Pass