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	20.63	-4.22	14.26	<=34.77	Pass
			13	20.61	-4.22	14.24	<=34.77	Pass
			24	20.52	-4.22	14.15	<=34.77	Pass
		12	0	19.46	-4.22	13.09	<=34.77	Pass
			6	19.58	-4.22	13.21	<=34.77	Pass
			13	19.59	-4.22	13.22	<=34.77	Pass
		25	0	19.58	-4.22	13.21	<=34.77	Pass
	680.5	1	0	20.23	-4.22	13.86	<=34.77	Pass
			13	20.28	-4.22	13.91	<=34.77	Pass
			24	20.16	-4.22	13.79	<=34.77	Pass
		12	0	19.28	-4.22	12.91	<=34.77	Pass
			6	19.22	-4.22	12.85	<=34.77	Pass
			13	19.29	-4.22	12.92	<=34.77	Pass
		25	0	19.29	-4.22	12.92	<=34.77	Pass
	695.5	1	0	20.04	-4.22	13.67	<=34.77	Pass
			13	20.17	-4.22	13.80	<=34.77	Pass
			24	20.21	-4.22	13.84	<=34.77	Pass
		12	0	19.11	-4.22	12.74	<=34.77	Pass
			6	19.16	-4.22	12.79	<=34.77	Pass
			13	19.22	-4.22	12.85	<=34.77	Pass
		25	0	19.21	-4.22	12.84	<=34.77	Pass
16QAM	665.5	1	0	19.67	-4.22	13.30	<=34.77	Pass
			13	19.67	-4.22	13.30	<=34.77	Pass
			24	19.58	-4.22	13.21	<=34.77	Pass
		12	0	18.53	-4.22	12.16	<=34.77	Pass
			6	18.65	-4.22	12.28	<=34.77	Pass
			13	18.67	-4.22	12.30	<=34.77	Pass
		25	0	18.59	-4.22	12.22	<=34.77	Pass
	680.5	1	0	19.14	-4.22	12.77	<=34.77	Pass
			13	19.18	-4.22	12.81	<=34.77	Pass
			24	19.05	-4.22	12.68	<=34.77	Pass
		12	0	18.19	-4.22	11.82	<=34.77	Pass
			6	18.26	-4.22	11.89	<=34.77	Pass
			13	18.30	-4.22	11.93	<=34.77	Pass
		25	0	18.31	-4.22	11.94	<=34.77	Pass
	695.5	1	0	19.42	-4.22	13.05	<=34.77	Pass
			13	19.58	-4.22	13.21	<=34.77	Pass
			24	19.56	-4.22	13.19	<=34.77	Pass
		12	0	18.10	-4.22	11.73	<=34.77	Pass
			6	18.14	-4.22	11.77	<=34.77	Pass
			13	18.18	-4.22	11.81	<=34.77	Pass
		25	0	18.14	-4.22	11.77	<=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	20.75	-4.22	14.38	<=34.77	Pass
			25	20.68	-4.22	14.31	<=34.77	Pass
			49	20.57	-4.22	14.20	<=34.77	Pass
		25	0	19.40	-4.22	13.03	<=34.77	Pass
			13	19.52	-4.22	13.15	<=34.77	Pass
			25	19.54	-4.22	13.17	<=34.77	Pass
		50	0	19.40	-4.22	13.03	<=34.77	Pass
	680.5	1	0	20.39	-4.22	14.02	<=34.77	Pass
			25	20.38	-4.22	14.01	<=34.77	Pass
			49	20.29	-4.22	13.92	<=34.77	Pass
		25	0	19.27	-4.22	12.90	<=34.77	Pass
			13	19.26	-4.22	12.89	<=34.77	Pass
			25	19.32	-4.22	12.95	<=34.77	Pass
		50	0	19.27	-4.22	12.90	<=34.77	Pass
	693	1	0	20.07	-4.22	13.70	<=34.77	Pass
			25	20.18	-4.22	13.81	<=34.77	Pass
			49	20.30	-4.22	13.93	<=34.77	Pass
		25	0	19.15	-4.22	12.78	<=34.77	Pass
			13	19.16	-4.22	12.79	<=34.77	Pass
			25	19.34	-4.22	12.97	<=34.77	Pass
		50	0	19.19	-4.22	12.82	<=34.77	Pass
16QAM	668	1	0	19.97	-4.22	13.60	<=34.77	Pass
			25	19.94	-4.22	13.57	<=34.77	Pass
			49	19.88	-4.22	13.51	<=34.77	Pass
		25	0	18.43	-4.22	12.06	<=34.77	Pass
			13	18.47	-4.22	12.10	<=34.77	Pass
			25	18.47	-4.22	12.10	<=34.77	Pass
		50	0	18.35	-4.22	11.98	<=34.77	Pass
	680.5	1	0	19.26	-4.22	12.89	<=34.77	Pass
			25	19.25	-4.22	12.88	<=34.77	Pass
			49	19.12	-4.22	12.75	<=34.77	Pass
		25	0	18.28	-4.22	11.91	<=34.77	Pass
			13	18.26	-4.22	11.89	<=34.77	Pass
			25	18.31	-4.22	11.94	<=34.77	Pass
		50	0	18.24	-4.22	11.87	<=34.77	Pass
	693	1	0	19.06	-4.22	12.69	<=34.77	Pass
			25	19.16	-4.22	12.79	<=34.77	Pass
			49	19.29	-4.22	12.92	<=34.77	Pass
		25	0	18.12	-4.22	11.75	<=34.77	Pass
			13	18.15	-4.22	11.78	<=34.77	Pass
			25	18.28	-4.22	11.91	<=34.77	Pass
		50	0	18.11	-4.22	11.74	<=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	20.64	-4.22	14.27	<=34.77	Pass
			38	20.58	-4.22	14.21	<=34.77	Pass
			74	20.37	-4.22	14.00	<=34.77	Pass
		36	0	19.41	-4.22	13.04	<=34.77	Pass
			18	19.56	-4.22	13.19	<=34.77	Pass
			39	19.49	-4.22	13.12	<=34.77	Pass
		75	0	19.48	-4.22	13.11	<=34.77	Pass
	680.5	1	0	20.41	-4.22	14.04	<=34.77	Pass
			38	20.35	-4.22	13.98	<=34.77	Pass
			74	20.17	-4.22	13.80	<=34.77	Pass
		36	0	19.29	-4.22	12.92	<=34.77	Pass
			18	19.30	-4.22	12.93	<=34.77	Pass
			39	19.23	-4.22	12.86	<=34.77	Pass
		75	0	19.30	-4.22	12.93	<=34.77	Pass
	690.5	1	0	20.08	-4.22	13.71	<=34.77	Pass
			38	20.14	-4.22	13.77	<=34.77	Pass
			74	20.21	-4.22	13.84	<=34.77	Pass
		36	0	19.21	-4.22	12.84	<=34.77	Pass
			18	19.18	-4.22	12.81	<=34.77	Pass
			39	19.25	-4.22	12.88	<=34.77	Pass
		75	0	19.27	-4.22	12.90	<=34.77	Pass
16QAM	670.5	1	0	19.54	-4.22	13.17	<=34.77	Pass
			38	19.48	-4.22	13.11	<=34.77	Pass
			74	19.32	-4.22	12.95	<=34.77	Pass
		36	0	18.38	-4.22	12.01	<=34.77	Pass
			18	18.54	-4.22	12.17	<=34.77	Pass
			39	18.44	-4.22	12.07	<=34.77	Pass
		75	0	18.40	-4.22	12.03	<=34.77	Pass
	680.5	1	0	19.27	-4.22	12.90	<=34.77	Pass
			38	19.19	-4.22	12.82	<=34.77	Pass
			74	19.04	-4.22	12.67	<=34.77	Pass
		36	0	18.28	-4.22	11.91	<=34.77	Pass
			18	18.26	-4.22	11.89	<=34.77	Pass
			39	18.19	-4.22	11.82	<=34.77	Pass
		75	0	18.24	-4.22	11.87	<=34.77	Pass
	690.5	1	0	19.06	-4.22	12.69	<=34.77	Pass
			38	19.14	-4.22	12.77	<=34.77	Pass
			74	19.24	-4.22	12.87	<=34.77	Pass
		36	0	18.18	-4.22	11.81	<=34.77	Pass
			18	18.12	-4.22	11.75	<=34.77	Pass
			39	18.23	-4.22	11.86	<=34.77	Pass
		75	0	18.22	-4.22	11.85	<=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	20.42	-4.22	14.05	<=34.77	Pass
			50	20.61	-4.22	14.24	<=34.77	Pass

			99	20.10	-4.22	13.73	<=34.77	Pass
		50	0	19.40	-4.22	13.03	<=34.77	Pass
			25	19.44	-4.22	13.07	<=34.77	Pass
			50	19.50	-4.22	13.13	<=34.77	Pass
		100	0	19.47	-4.22	13.10	<=34.77	Pass
	683	1	0	20.19	-4.22	13.82	<=34.77	Pass
			50	20.27	-4.22	13.90	<=34.77	Pass
			99	19.96	-4.22	13.59	<=34.77	Pass
		50	0	19.12	-4.22	12.75	<=34.77	Pass
			25	19.15	-4.22	12.78	<=34.77	Pass
			50	19.07	-4.22	12.70	<=34.77	Pass
		100	0	19.02	-4.22	12.65	<=34.77	Pass
	688	1	0	20.05	-4.22	13.68	<=34.77	Pass
			50	20.19	-4.22	13.82	<=34.77	Pass
			99	20.15	-4.22	13.78	<=34.77	Pass
		50	0	19.09	-4.22	12.72	<=34.77	Pass
			25	19.19	-4.22	12.82	<=34.77	Pass
			50	19.20	-4.22	12.83	<=34.77	Pass
		100	0	19.10	-4.22	12.73	<=34.77	Pass
16QAM	673	1	0	19.71	-4.22	13.34	<=34.77	Pass
			50	19.96	-4.22	13.59	<=34.77	Pass
			99	19.43	-4.22	13.06	<=34.77	Pass
		50	0	18.34	-4.22	11.97	<=34.77	Pass
			25	18.39	-4.22	12.02	<=34.77	Pass
			50	18.45	-4.22	12.08	<=34.77	Pass
		100	0	18.36	-4.22	11.99	<=34.77	Pass
	683	1	0	19.18	-4.22	12.81	<=34.77	Pass
			50	19.30	-4.22	12.93	<=34.77	Pass
			99	19.01	-4.22	12.64	<=34.77	Pass
		50	0	18.06	-4.22	11.69	<=34.77	Pass
			25	18.10	-4.22	11.73	<=34.77	Pass
			50	18.01	-4.22	11.64	<=34.77	Pass
		100	0	18.00	-4.22	11.63	<=34.77	Pass
	688	1	0	18.85	-4.22	12.48	<=34.77	Pass
			50	19.00	-4.22	12.63	<=34.77	Pass
			99	18.89	-4.22	12.52	<=34.77	Pass
		50	0	18.00	-4.22	11.63	<=34.77	Pass
			25	18.13	-4.22	11.76	<=34.77	Pass
			50	18.11	-4.22	11.74	<=34.77	Pass
		100	0	18.05	-4.22	11.68	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B71_5MHz

2.1.1 Test Result

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	665.5	25	0	20	3.27	-12.445	-0.0187	-2.5 to 2.5	Pass
					3.85	-12.803	-0.0192	-2.5 to 2.5	Pass
					4.43	-8.783	-0.0132	-2.5 to 2.5	Pass

				-30	3.85	51.899	0.0780	-2.5 to 2.5	Pass
				-20	3.85	-11.187	-0.0168	-2.5 to 2.5	Pass
				-10	3.85	-8.469	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-9.441	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-8.898	-0.0134	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0083	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-6.266	-0.0092	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0088	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-12.789	-0.0188	-2.5 to 2.5	Pass
				-20	3.85	-6.781	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-8.254	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-12.059	-0.0177	-2.5 to 2.5	Pass
				10	3.85	-10.371	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-9.327	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0062	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-9.413	-0.0135	-2.5 to 2.5	Pass
					3.85	-7.467	-0.0107	-2.5 to 2.5	Pass
					4.43	-7.782	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-7.381	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-6.309	-0.0091	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-1.745	-0.0026	-2.5 to 2.5	Pass
					3.85	-6.938	-0.0104	-2.5 to 2.5	Pass
					4.43	-2.589	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-6.065	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-13.990	-0.0210	-2.5 to 2.5	Pass
				0	3.85	-5.851	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-4.063	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-7.281	-0.0109	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.407	-0.0079	-2.5 to 2.5	Pass
					3.85	-9.785	-0.0144	-2.5 to 2.5	Pass
					4.43	-6.924	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-5.250	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-7.095	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-8.354	-0.0123	-2.5 to 2.5	Pass
				30	3.85	-8.926	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0076	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-4.406	-0.0063	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0083	-2.5 to 2.5	Pass
					4.43	-5.994	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-6.638	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-8.669	-0.0125	-2.5 to 2.5	Pass

				-10	3.85	-9.813	-0.0141	-2.5 to 2.5	Pass
				0	3.85	-4.163	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-5.894	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0052	-2.5 to 2.5	Pass
				50	3.85	-8.183	-0.0118	-2.5 to 2.5	Pass

2.2 B71_10MHz

2.2.1 Test Result

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	668	50	0	20	3.27	-5.422	-0.0081	-2.5 to 2.5	Pass
					3.85	-6.666	-0.0100	-2.5 to 2.5	Pass
					4.43	-7.281	-0.0109	-2.5 to 2.5	Pass
				-30	3.85	-5.851	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-8.726	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-4.449	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-3.705	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-8.354	-0.0125	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0088	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-7.796	-0.0115	-2.5 to 2.5	Pass
					3.85	-6.437	-0.0095	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-6.967	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-2.575	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0081	-2.5 to 2.5	Pass
				30	3.85	-5.078	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-8.554	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0042	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-4.392	-0.0063	-2.5 to 2.5	Pass
					3.85	-7.496	-0.0108	-2.5 to 2.5	Pass
					4.43	-3.862	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-8.440	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-6.709	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-7.353	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-6.795	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-11.244	-0.0162	-2.5 to 2.5	Pass
16QAM	668	50	0	20	3.27	-6.652	-0.0100	-2.5 to 2.5	Pass
					3.85	-5.250	-0.0079	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-5.851	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.866	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-4.578	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-4.778	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-7.896	-0.0118	-2.5 to 2.5	Pass

				30	3.85	-2.103	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-4.649	-0.0070	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-3.119	-0.0046	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0096	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0118	-2.5 to 2.5	Pass
				-30	3.85	-8.798	-0.0129	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0095	-2.5 to 2.5	Pass
				-10	3.85	-9.284	-0.0136	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-10.228	-0.0150	-2.5 to 2.5	Pass
				30	3.85	-6.881	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-3.319	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-4.778	-0.0070	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-8.440	-0.0122	-2.5 to 2.5	Pass
					3.85	-10.057	-0.0145	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-5.364	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-8.998	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-9.112	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-5.679	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-4.435	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0102	-2.5 to 2.5	Pass

2.3 B71_15MHz

2.3.1 Test Result

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.27	-7.095	-0.0106	-2.5 to 2.5	Pass
					3.85	-6.723	-0.0100	-2.5 to 2.5	Pass
					4.43	-7.210	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-7.296	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-5.822	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-5.393	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-5.836	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0089	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-3.376	-0.0050	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0074	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.965	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.108	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-4.706	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-11.430	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-6.866	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-5.150	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-5.951	-0.0087	-2.5 to 2.5	Pass

	690.5	75	0	20	3.27	-4.334	-0.0063	-2.5 to 2.5	Pass
					3.85	-4.678	-0.0068	-2.5 to 2.5	Pass
					4.43	-6.080	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-6.166	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-5.851	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-6.495	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-2.303	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-4.334	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-5.221	-0.0076	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-7.668	-0.0114	-2.5 to 2.5	Pass
					3.85	-6.952	-0.0104	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-6.294	-0.0094	-2.5 to 2.5	Pass
				-20	3.85	-3.805	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.166	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-7.024	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-11.373	-0.0170	-2.5 to 2.5	Pass
				30	3.85	-4.921	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-7.482	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-8.326	-0.0124	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-5.450	-0.0080	-2.5 to 2.5	Pass
					3.85	-4.907	-0.0072	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-6.309	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-9.112	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-6.967	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-8.526	-0.0125	-2.5 to 2.5	Pass
				30	3.85	-4.892	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-9.055	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-9.027	-0.0133	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-8.111	-0.0117	-2.5 to 2.5	Pass
					3.85	-6.723	-0.0097	-2.5 to 2.5	Pass
					4.43	-8.769	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-9.713	-0.0141	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-6.909	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-9.170	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-2.360	-0.0034	-2.5 to 2.5	Pass

2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	-3.734	-0.0055	-2.5 to 2.5	Pass
					3.85	-7.024	-0.0104	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0081	-2.5 to 2.5	Pass

				-30	3.85	-5.779	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-7.010	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0078	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-5.493	-0.0080	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0083	-2.5 to 2.5	Pass
					4.43	-4.578	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-9.785	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-10.800	-0.0158	-2.5 to 2.5	Pass
				-10	3.85	-5.651	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-5.021	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-5.765	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-6.366	-0.0093	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0088	-2.5 to 2.5	Pass
				50	3.85	-8.354	-0.0122	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-6.480	-0.0094	-2.5 to 2.5	Pass
					3.85	-8.783	-0.0128	-2.5 to 2.5	Pass
					4.43	-8.211	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-5.980	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-4.220	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.193	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-6.108	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-8.225	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0080	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-8.883	-0.0132	-2.5 to 2.5	Pass
					3.85	-9.356	-0.0139	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-7.482	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-10.571	-0.0157	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-5.951	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-1.945	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-6.309	-0.0094	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-2.761	-0.0040	-2.5 to 2.5	Pass
					3.85	-9.155	-0.0134	-2.5 to 2.5	Pass
					4.43	-8.268	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-5.136	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-7.825	-0.0115	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-8.612	-0.0126	-2.5 to 2.5	Pass
				40	3.85	-5.665	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0067	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-7.982	-0.0116	-2.5 to 2.5	Pass
					3.85	-7.610	-0.0111	-2.5 to 2.5	Pass
					4.43	-6.723	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-8.354	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-6.680	-0.0097	-2.5 to 2.5	Pass

				-10	3.85	-5.393	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-4.663	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-7.238	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-5.736	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-8.969	-0.0130	-2.5 to 2.5	Pass

3. Modulation Characteristics

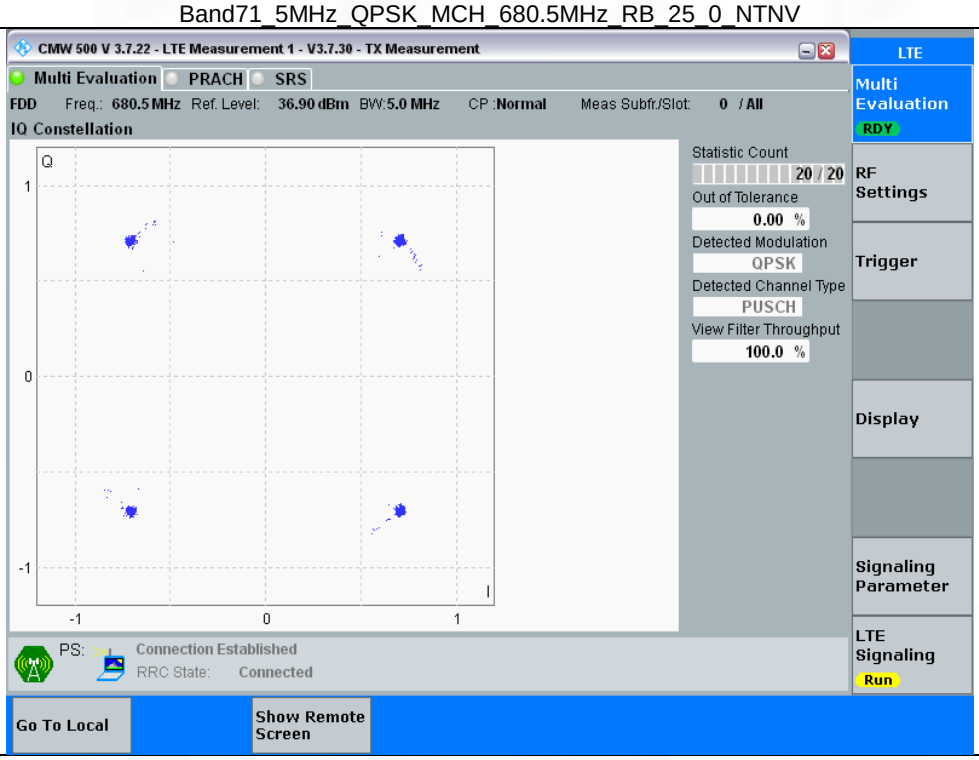
3.1 B71_5MHz

3.1.1 Test Result

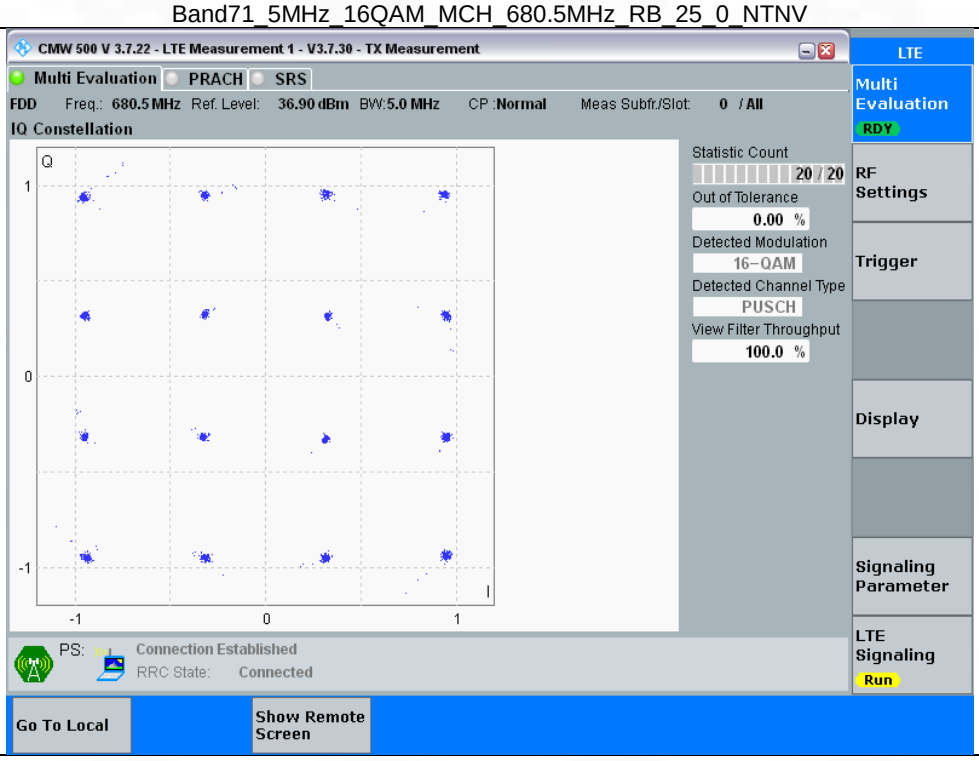
Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	25	0	Refer To Test Graph		Pass
16QAM	680.5	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



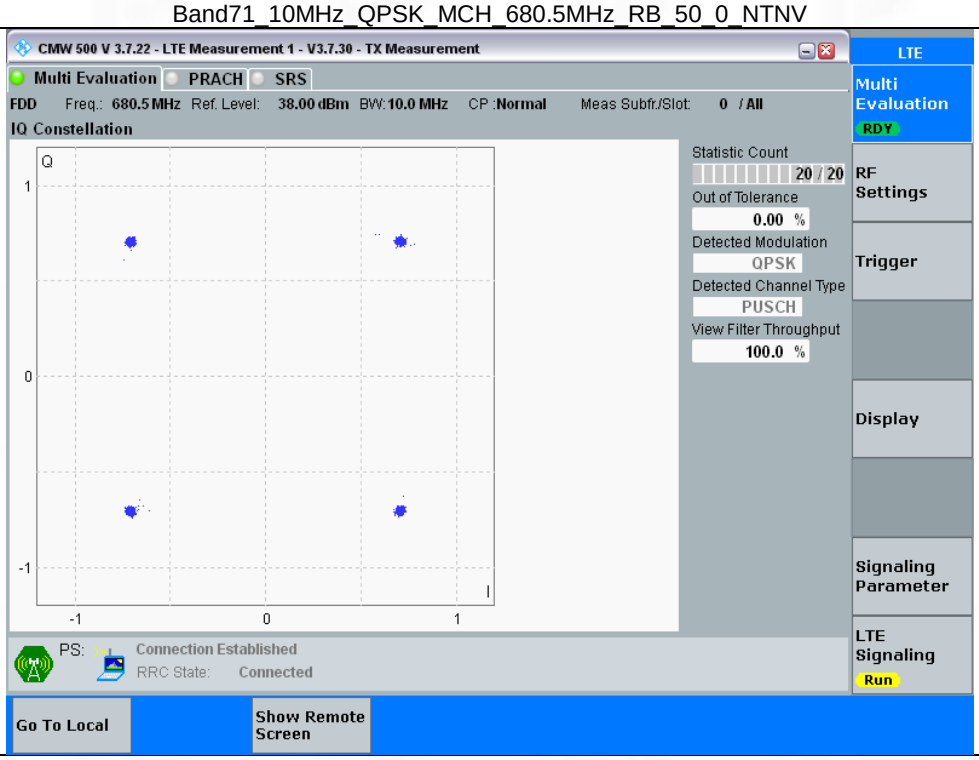
3.2 B71_10MHz

3.2.1 Test Result

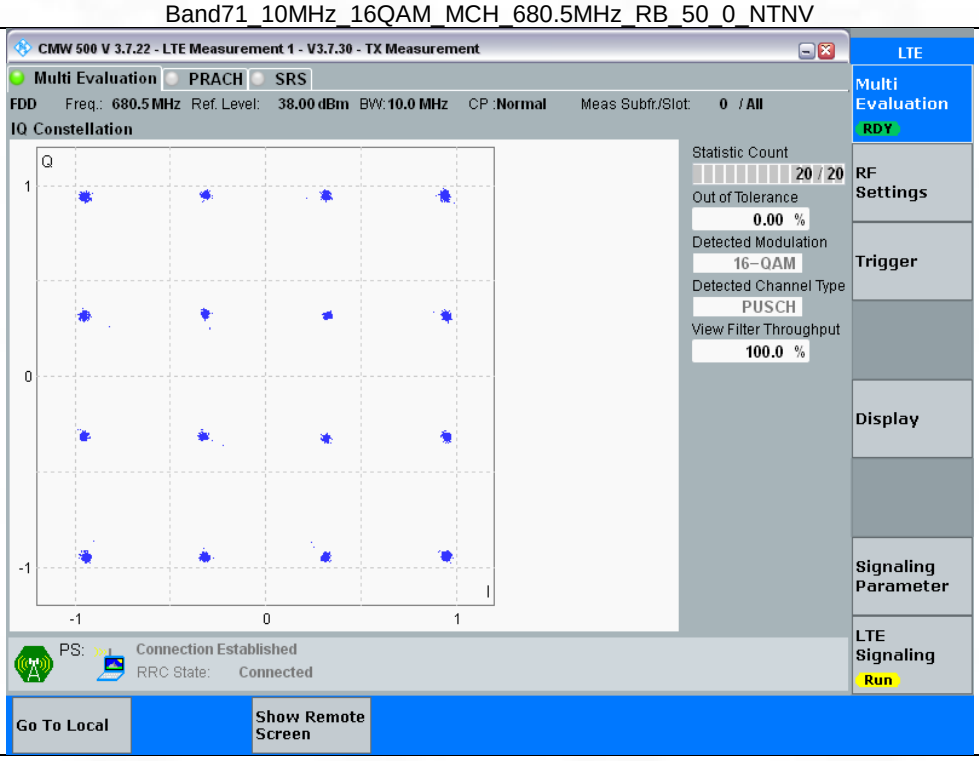
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	50	0	Refer To Test Graph		Pass
16QAM	680.5	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



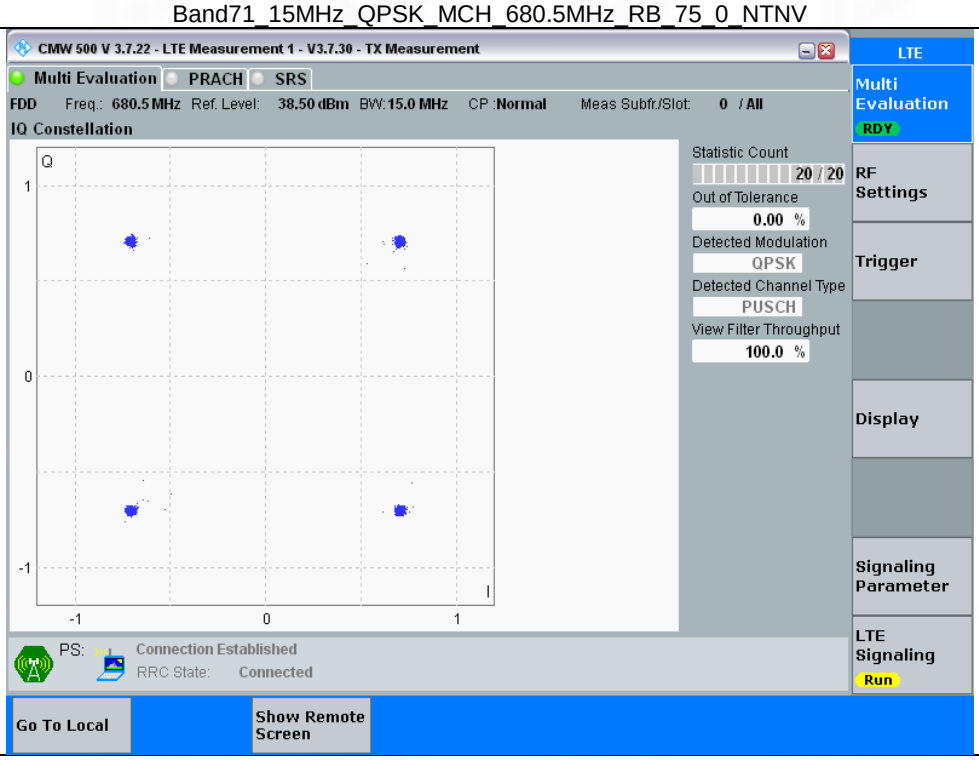
3.3 B71_15MHz

3.3.1 Test Result

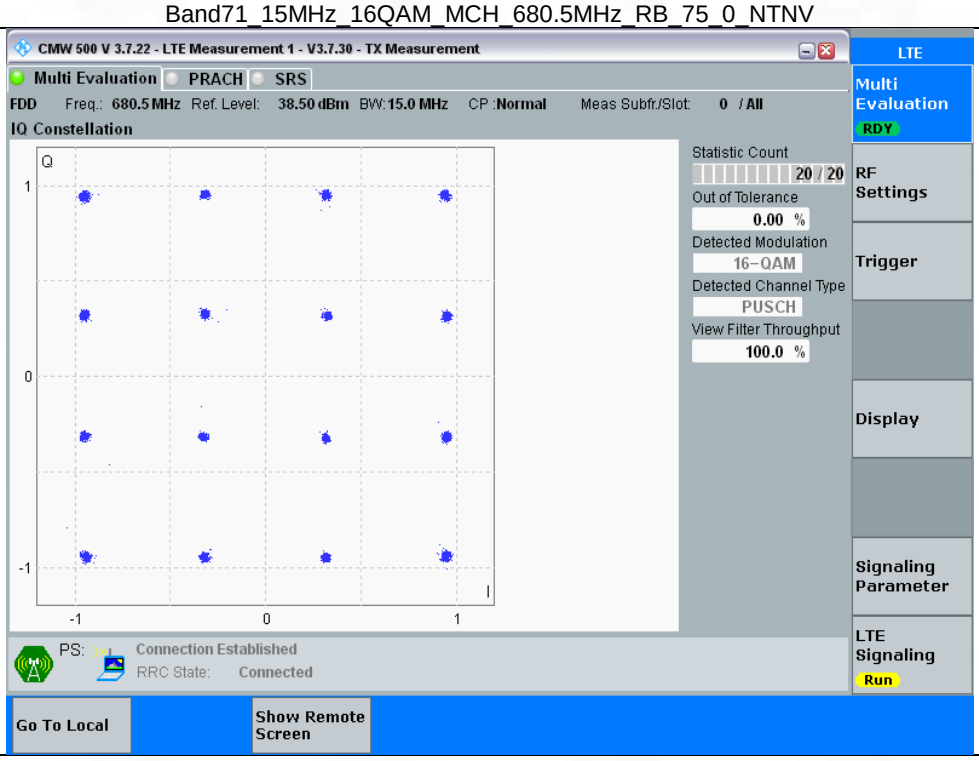
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



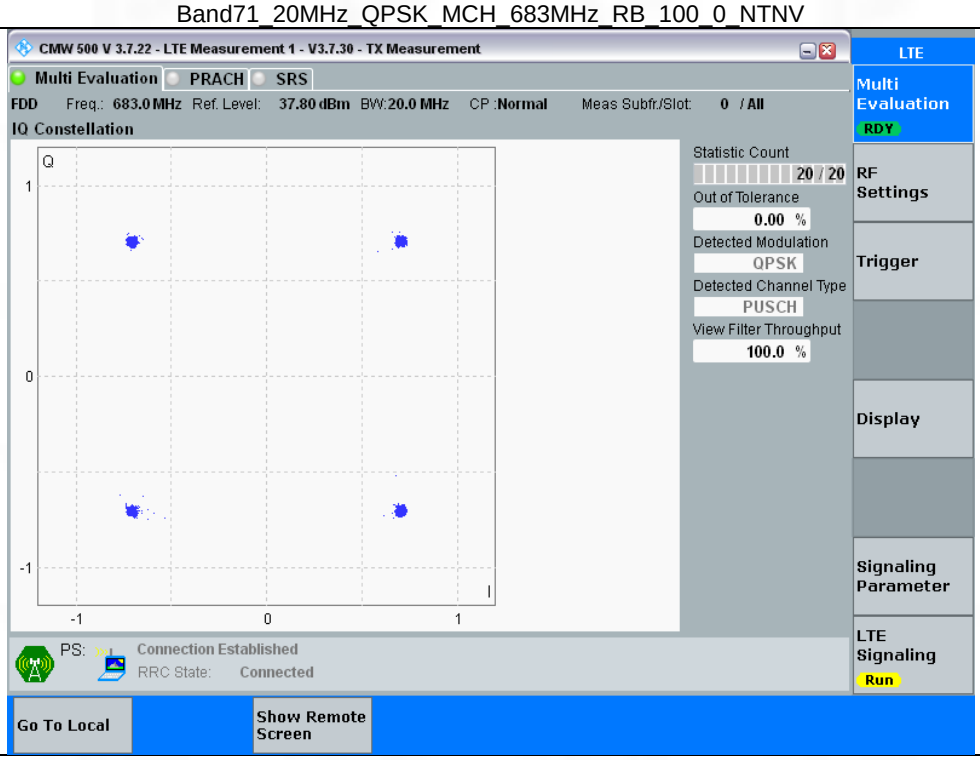
3.4 B71_20MHz

3.4.1 Test Result

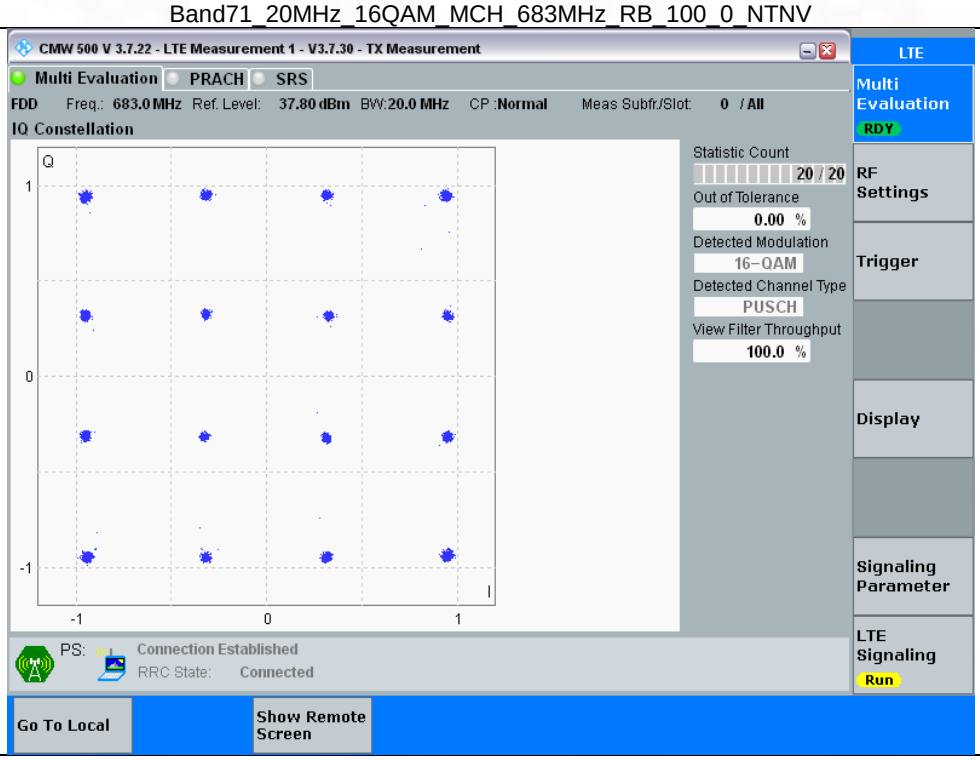
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

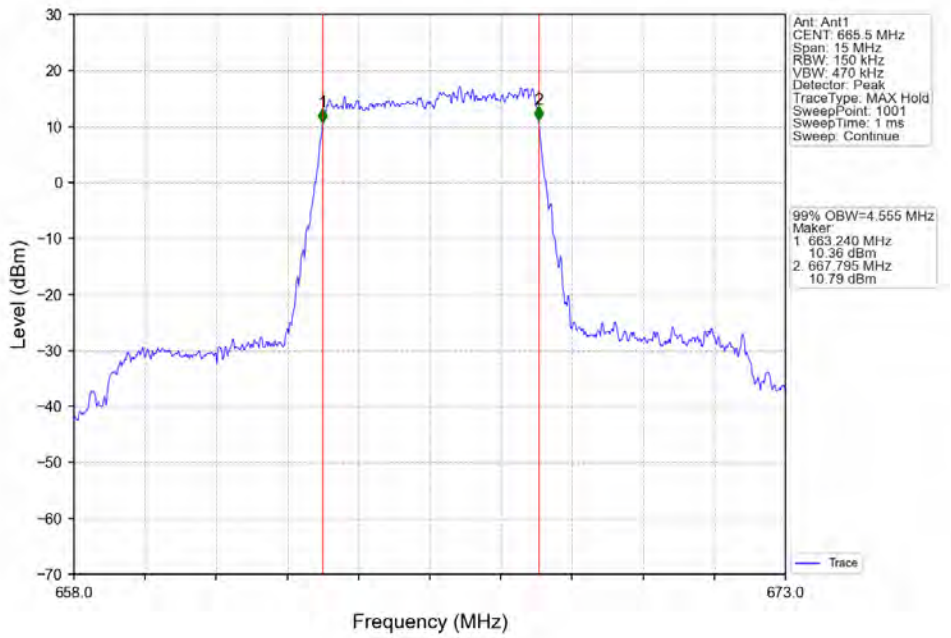
4.1 Band71_OBW

4.1.1 Test Result

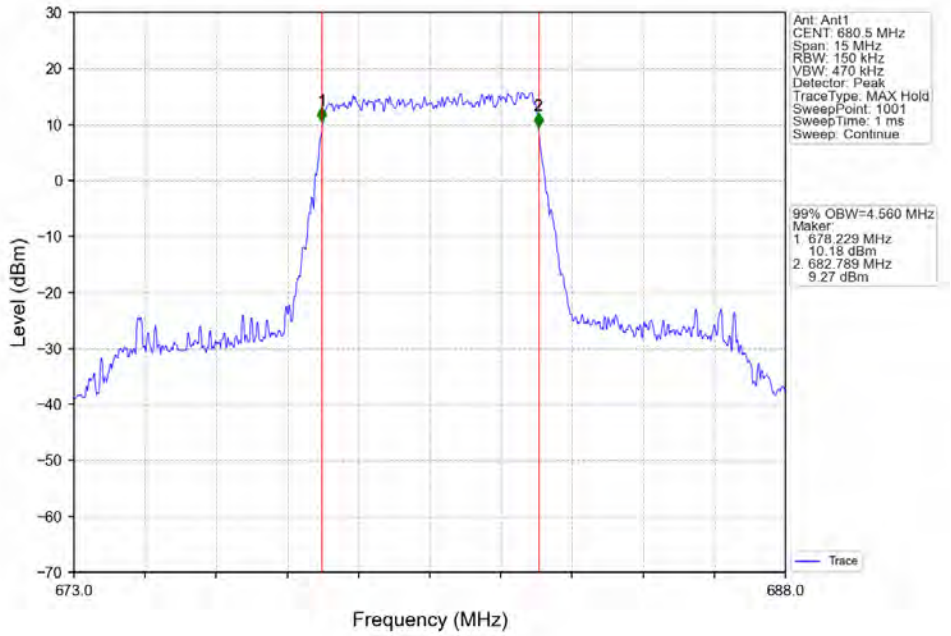
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.555	/	Pass
		680.5	25	0	4.560	/	Pass
		695.5	25	0	4.572	/	Pass
	16QAM	665.5	25	0	4.570	/	Pass
		680.5	25	0	4.592	/	Pass
		695.5	25	0	4.551	/	Pass
10	QPSK	668	50	0	9.056	/	Pass
		680.5	50	0	9.092	/	Pass
		693	50	0	9.137	/	Pass
	16QAM	668	50	0	9.048	/	Pass
		680.5	50	0	9.098	/	Pass
		693	50	0	9.123	/	Pass
15	QPSK	670.5	75	0	13.547	/	Pass
		680.5	75	0	13.679	/	Pass
		690.5	75	0	13.741	/	Pass
	16QAM	670.5	75	0	13.568	/	Pass
		680.5	75	0	13.676	/	Pass
		690.5	75	0	13.686	/	Pass
20	QPSK	673	100	0	18.144	/	Pass
		683	100	0	18.171	/	Pass
		688	100	0	18.137	/	Pass
	16QAM	673	100	0	18.124	/	Pass
		683	100	0	18.124	/	Pass
		688	100	0	18.141	/	Pass

4.1.2 Test Graph

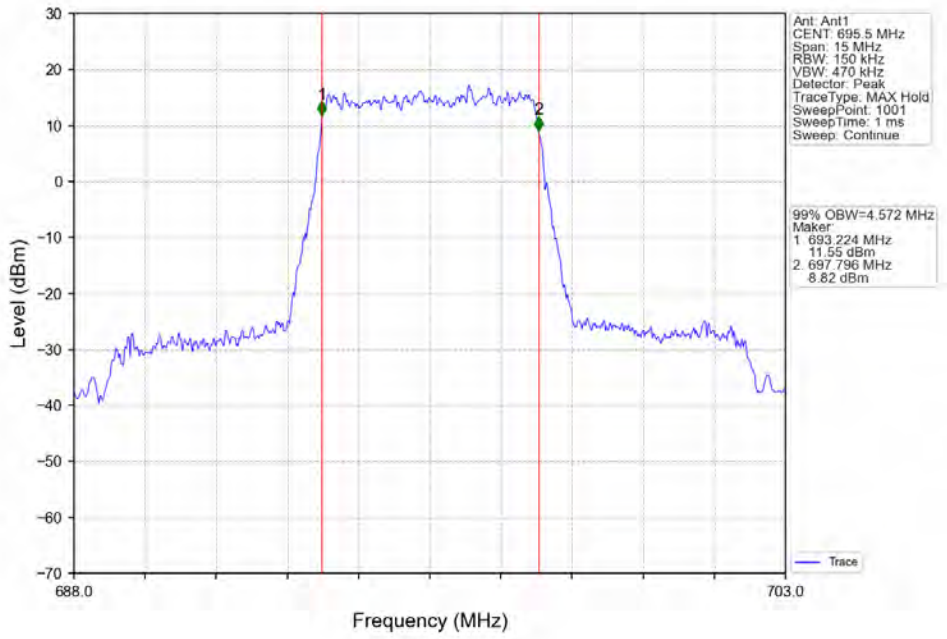
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



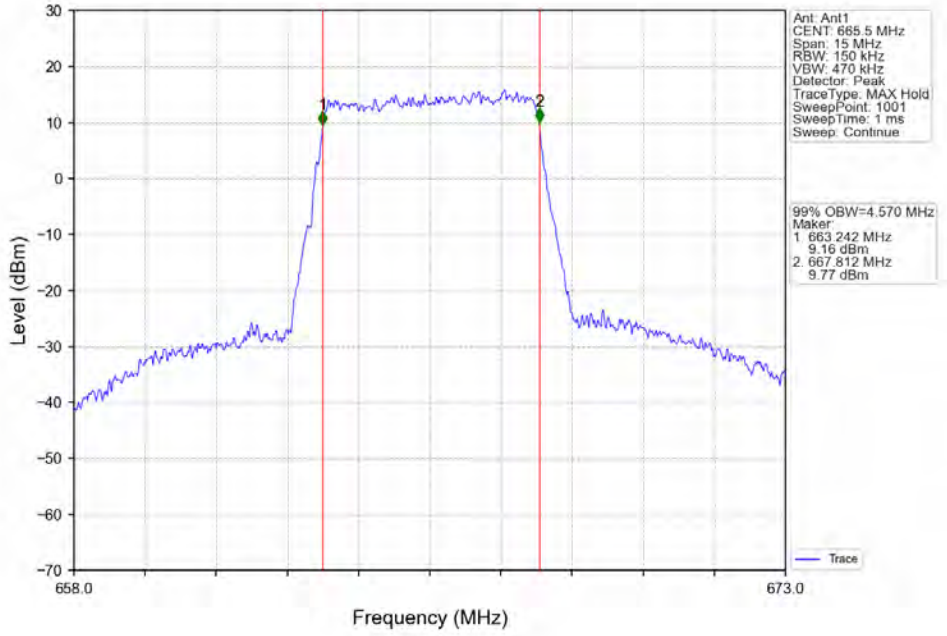
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



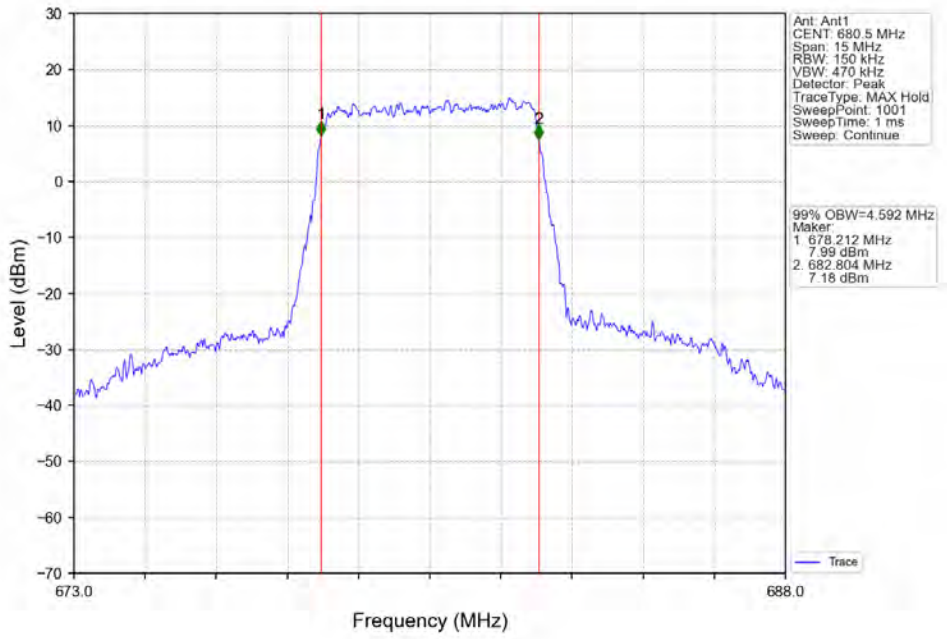
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



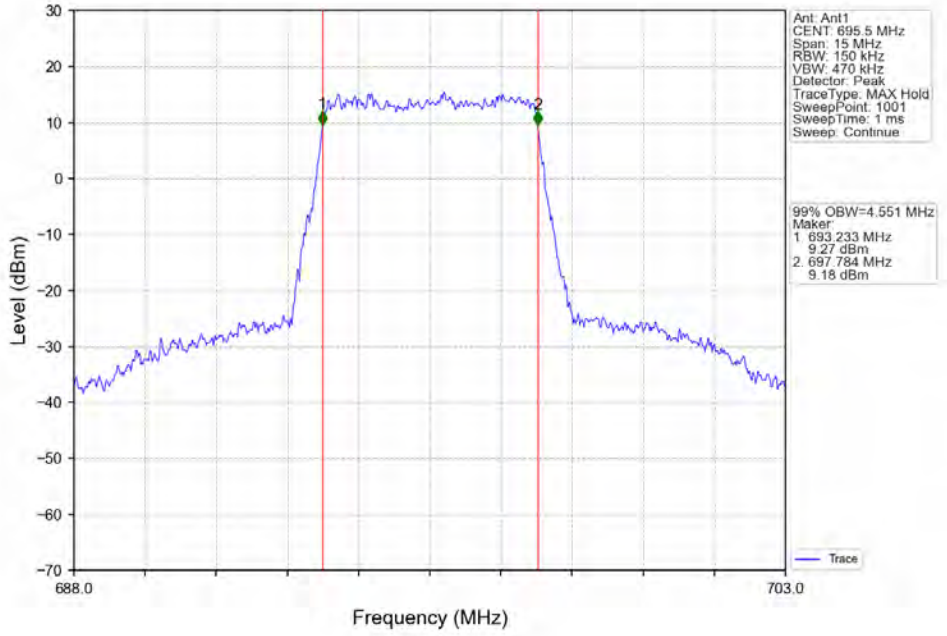
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



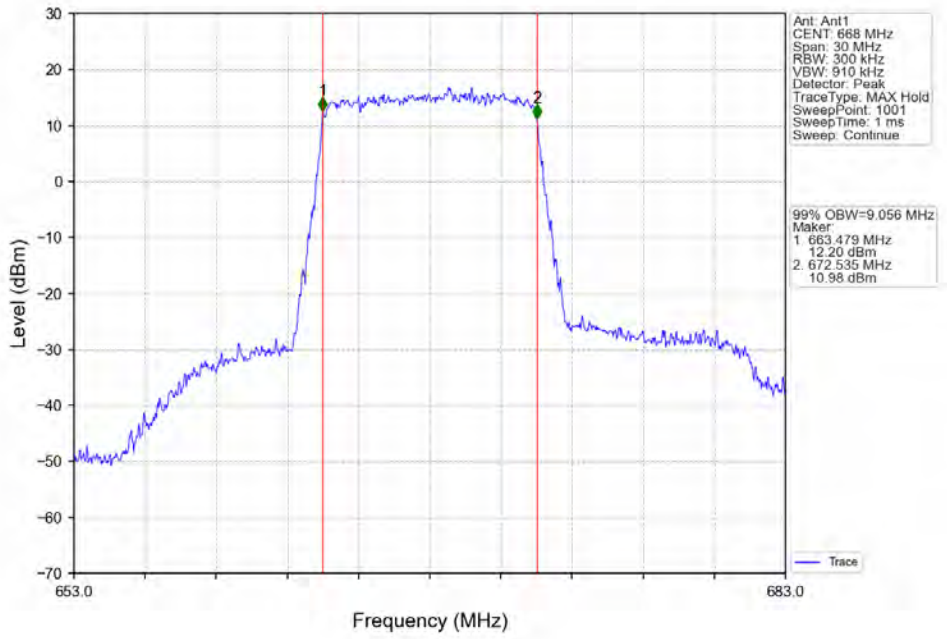
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



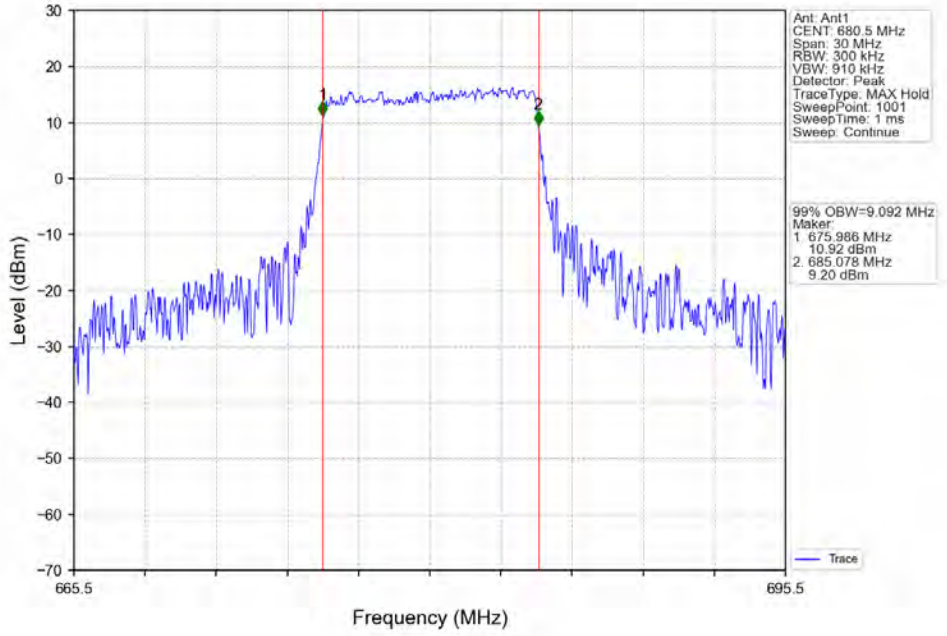
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



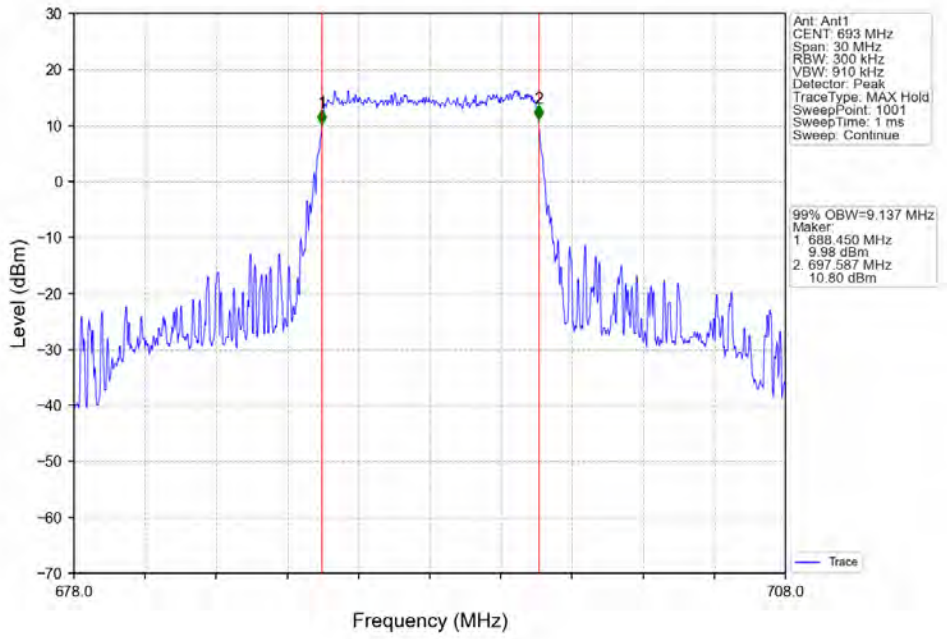
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



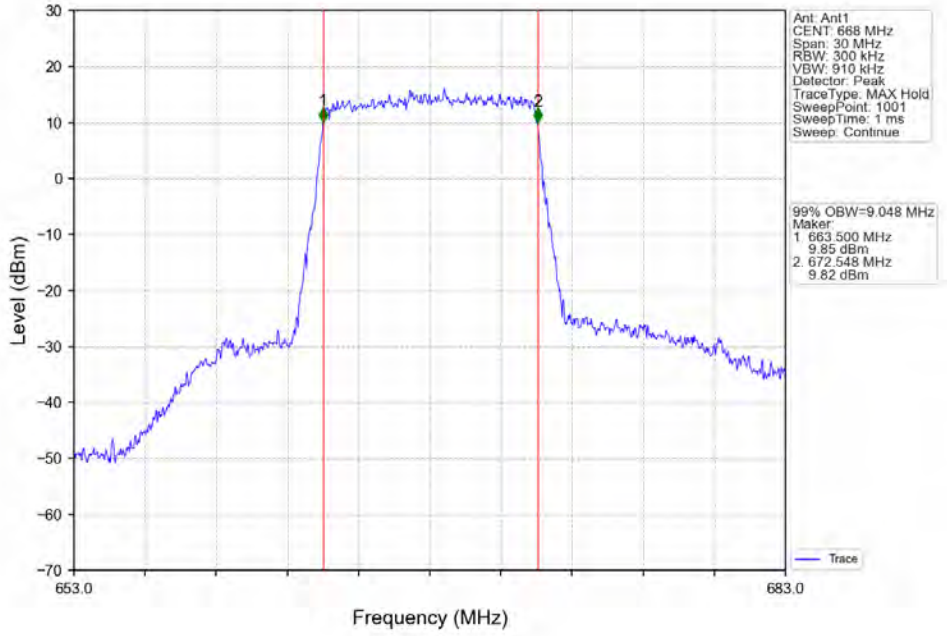
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



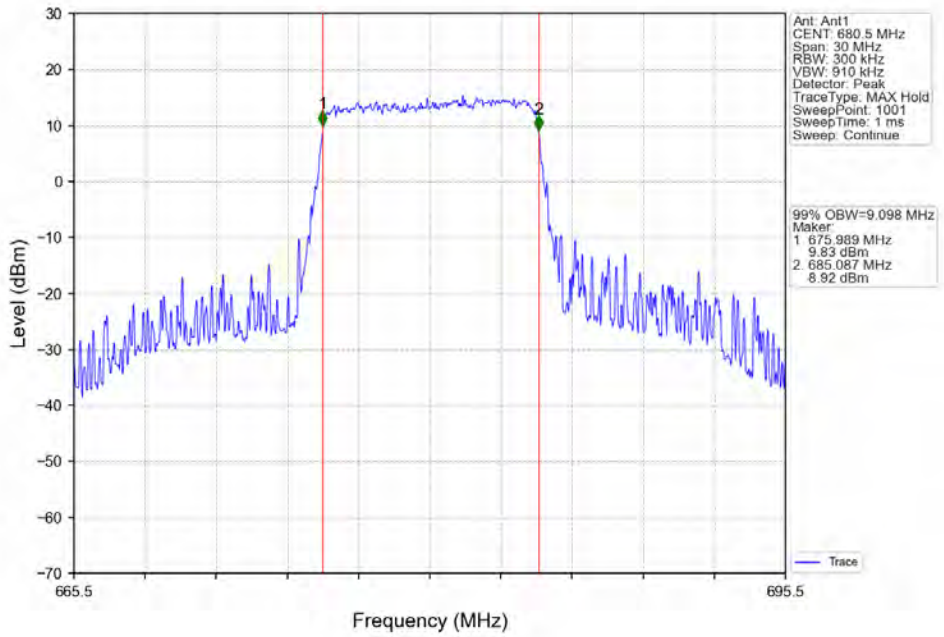
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



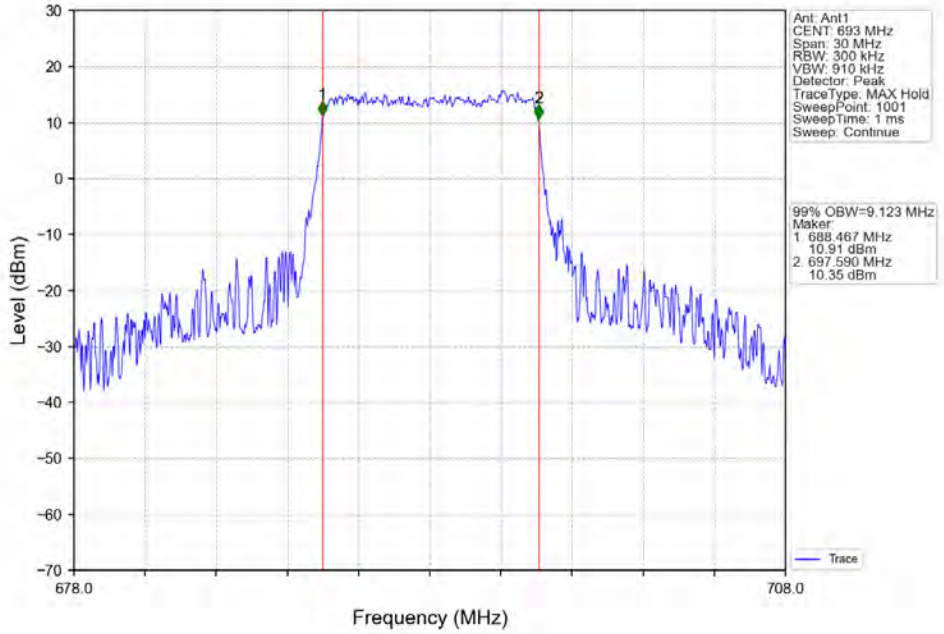
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



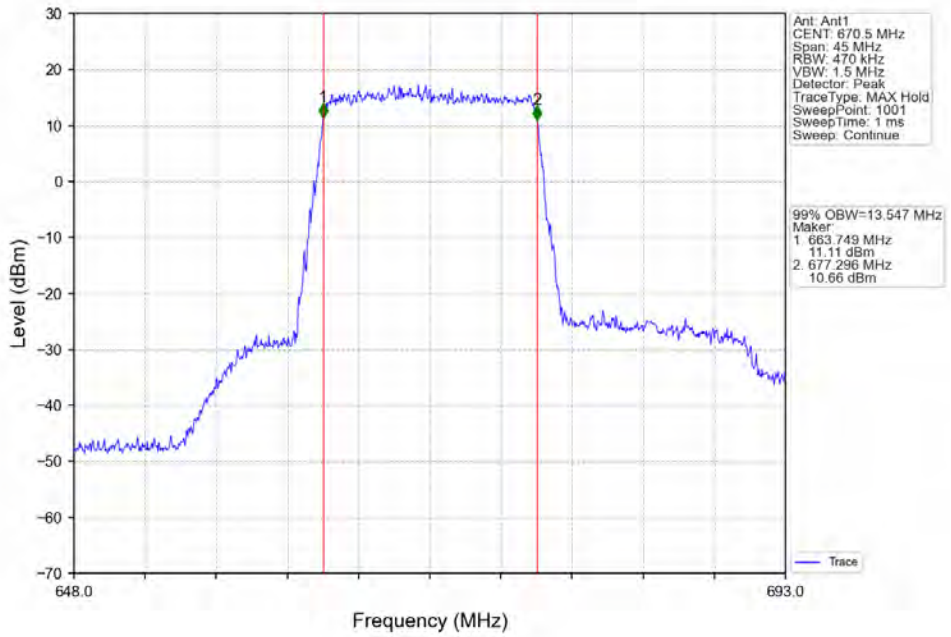
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



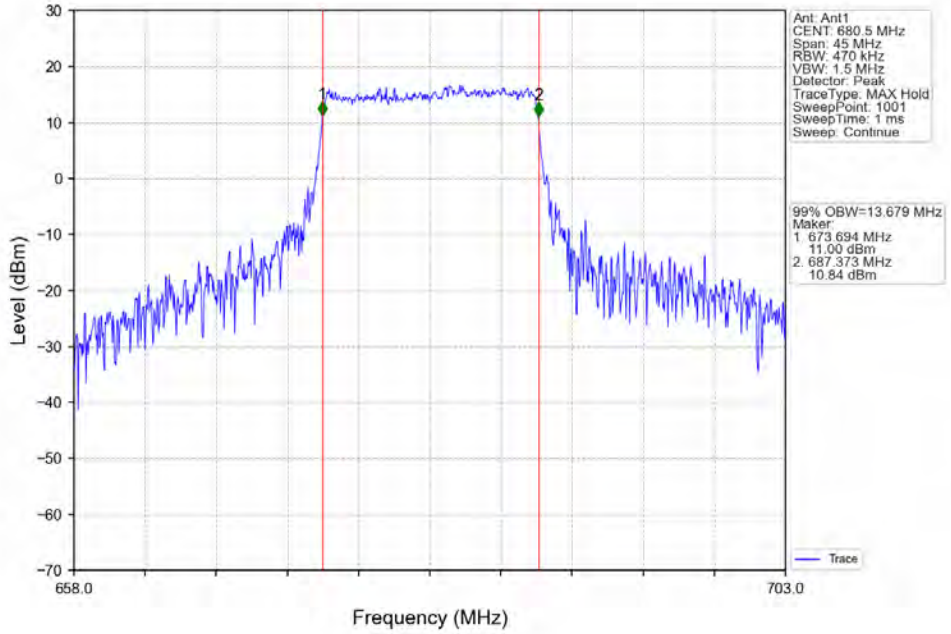
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



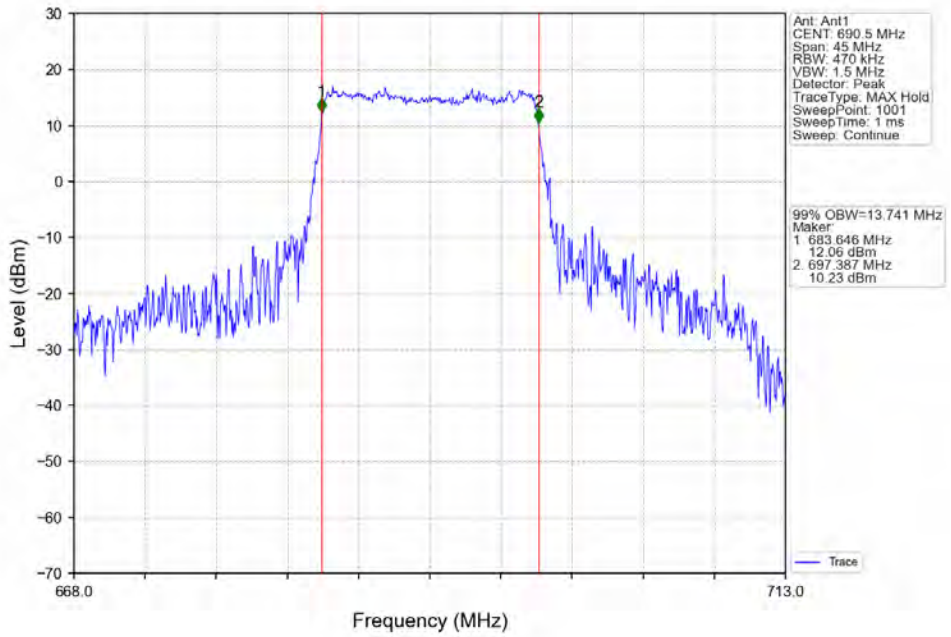
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



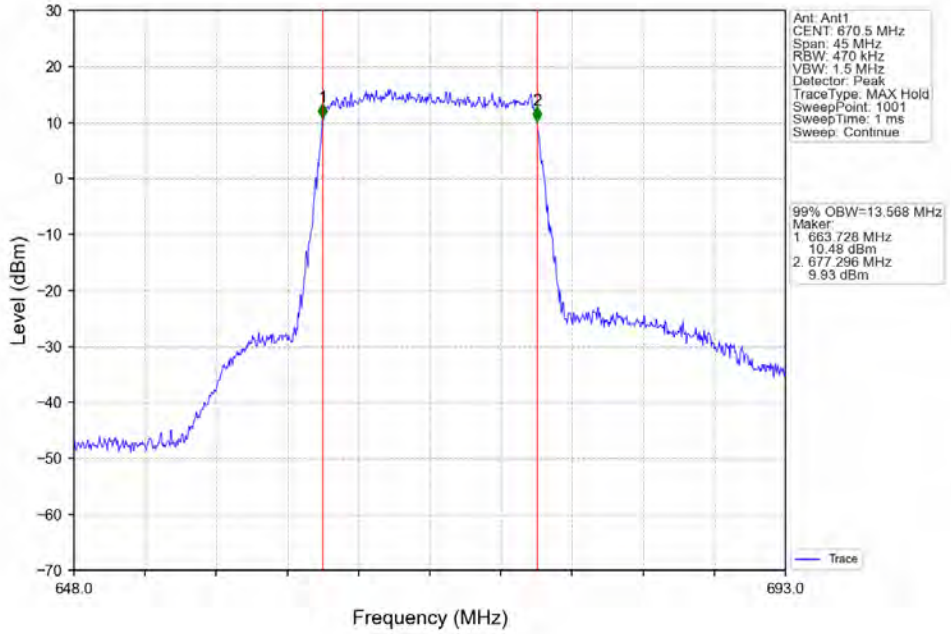
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



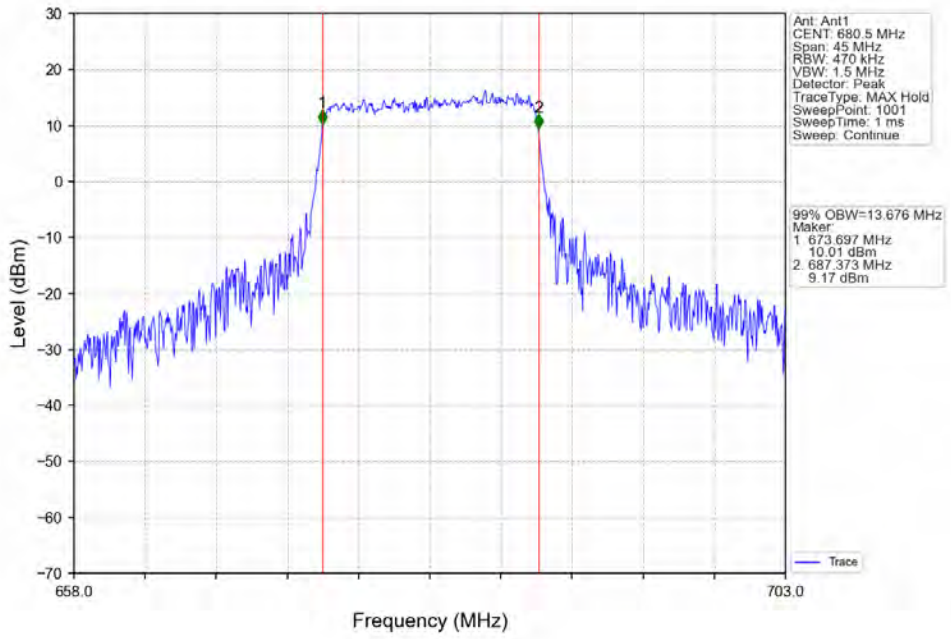
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



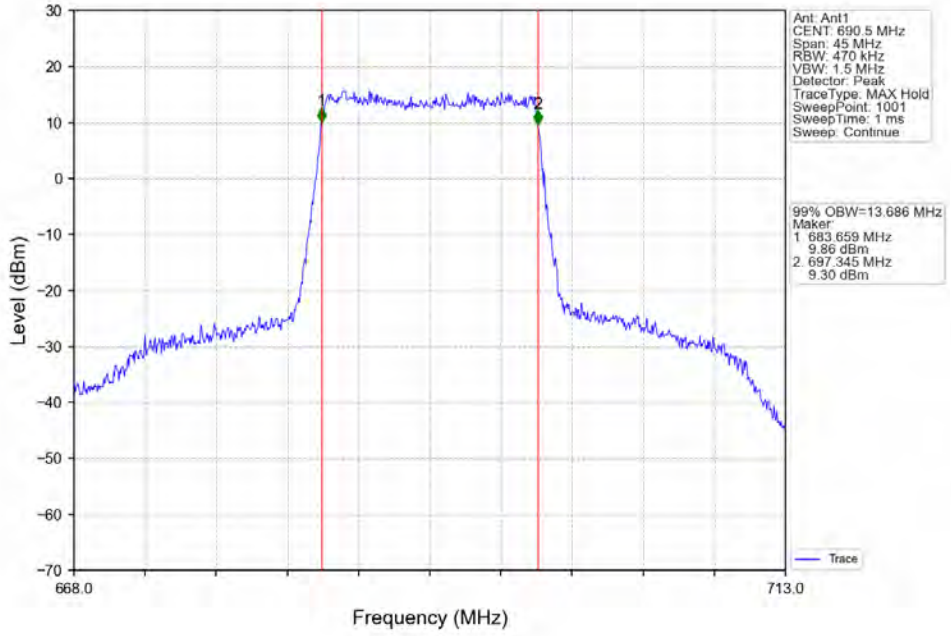
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



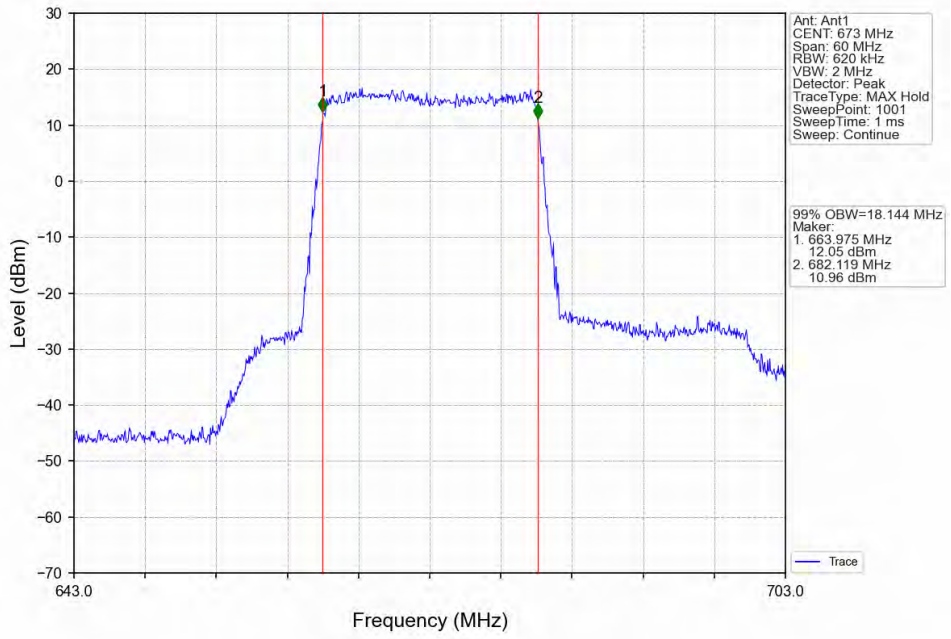
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



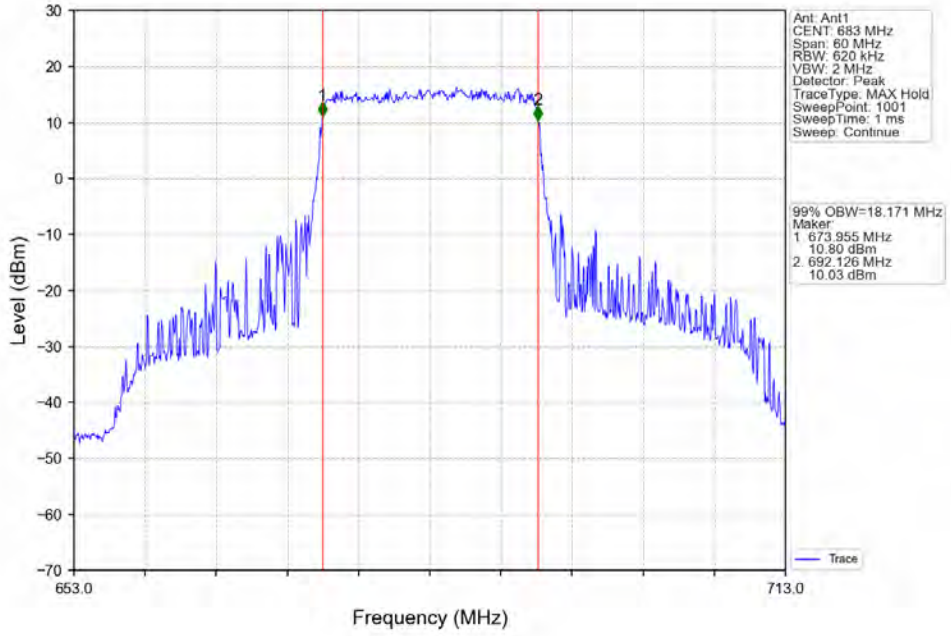
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



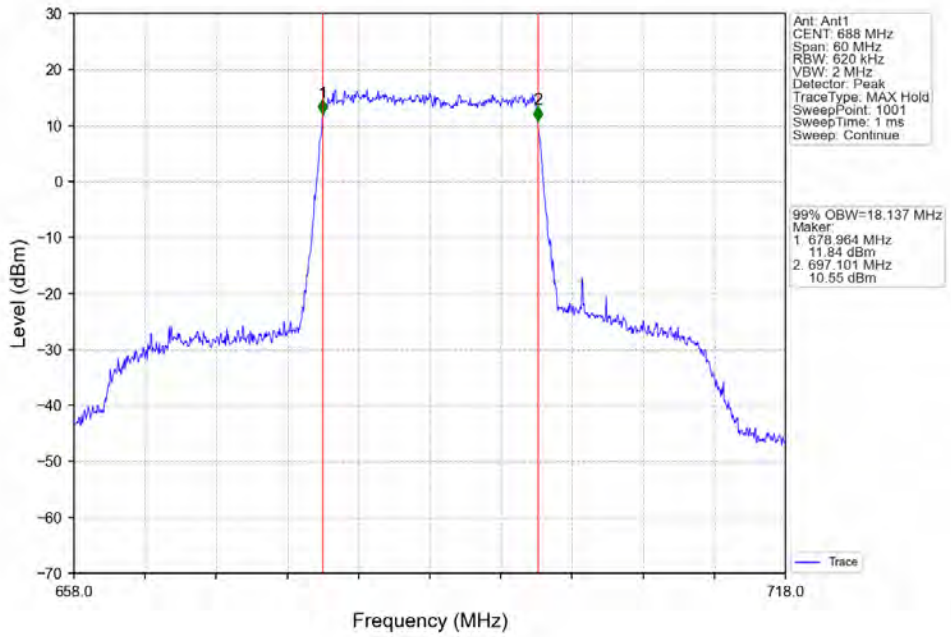
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



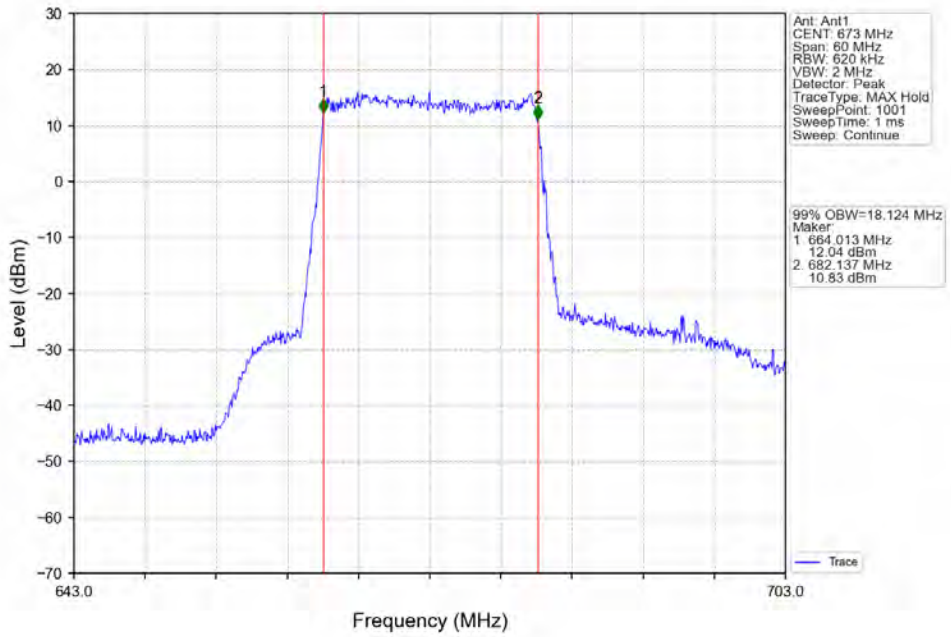
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



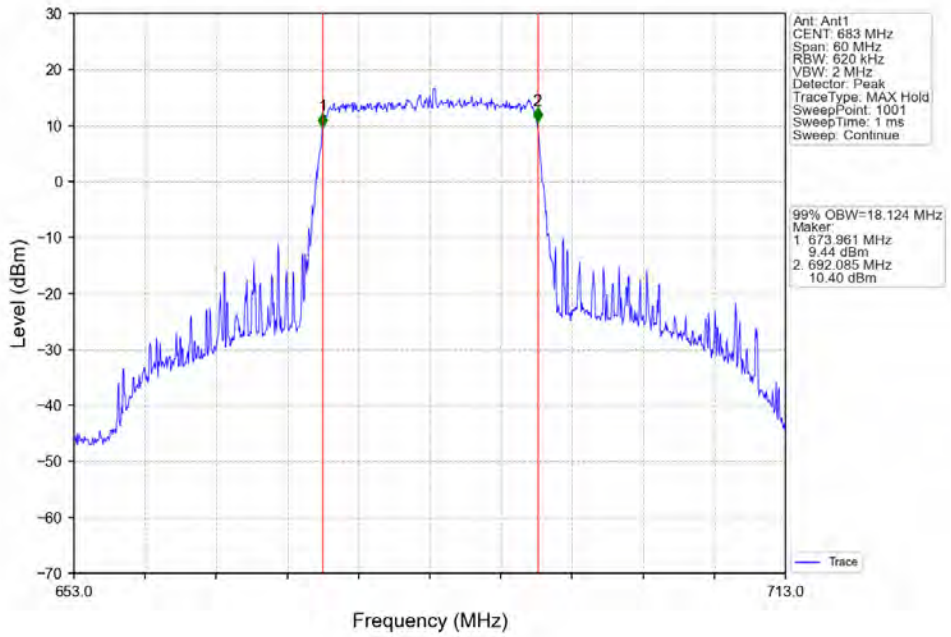
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



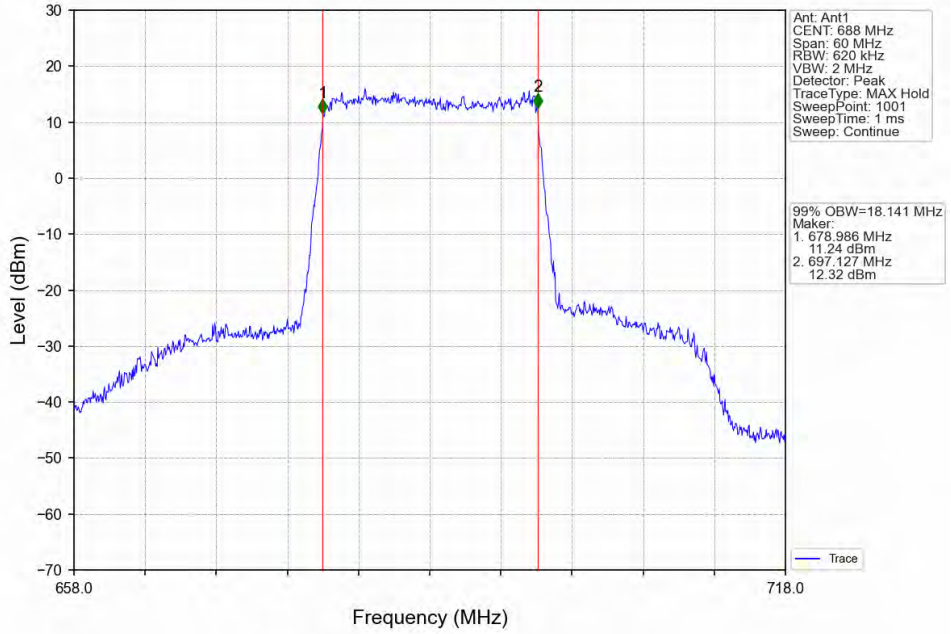
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



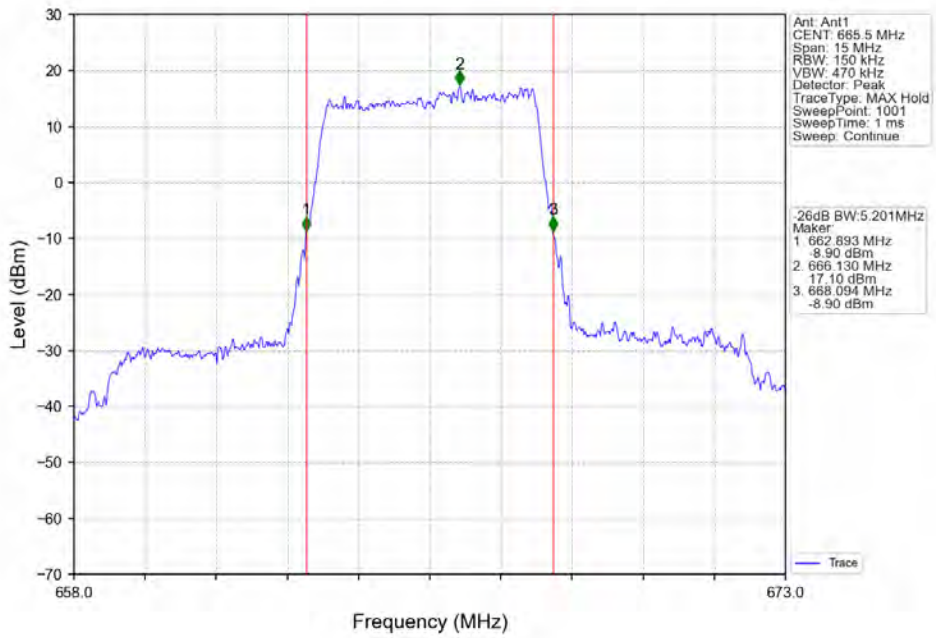
4.2 Band71_XDB

4.2.1 Test Result

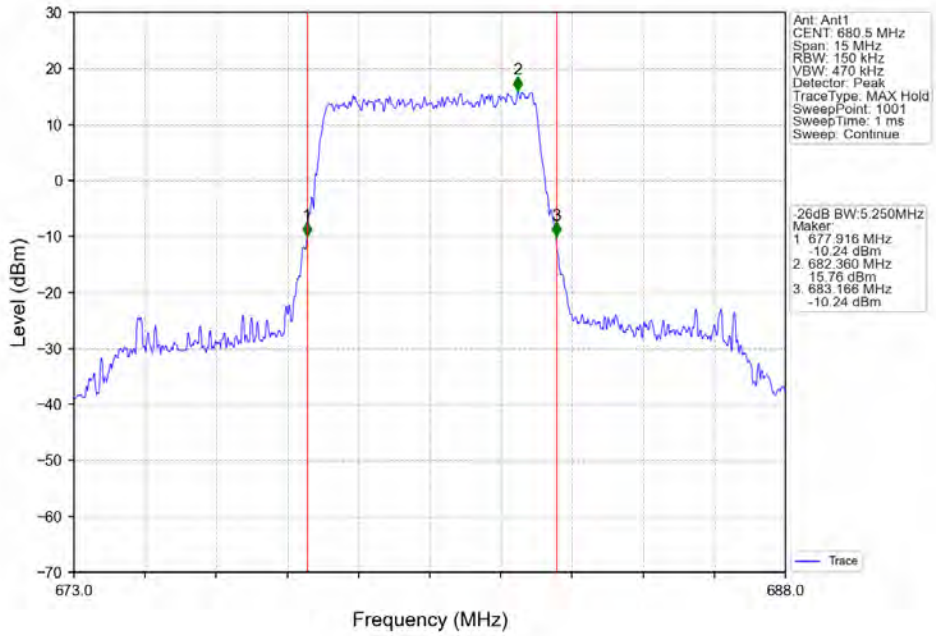
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.201	/	Pass
		680.5	25	0	5.250	/	Pass
		695.5	25	0	5.213	/	Pass
	16QAM	665.5	25	0	5.286	/	Pass
		680.5	25	0	5.253	/	Pass
		695.5	25	0	5.301	/	Pass
10	QPSK	668	50	0	10.212	/	Pass
		680.5	50	0	11.664	/	Pass
		693	50	0	10.394	/	Pass
	16QAM	668	50	0	10.231	/	Pass
		680.5	50	0	11.677	/	Pass
		693	50	0	10.864	/	Pass
15	QPSK	670.5	75	0	15.309	/	Pass
		680.5	75	0	18.959	/	Pass
		690.5	75	0	18.250	/	Pass
	16QAM	670.5	75	0	15.264	/	Pass
		680.5	75	0	18.516	/	Pass
		690.5	75	0	15.395	/	Pass
20	QPSK	673	100	0	20.140	/	Pass
		683	100	0	25.323	/	Pass
		688	100	0	19.890	/	Pass
	16QAM	673	100	0	20.032	/	Pass
		683	100	0	20.237	/	Pass
		688	100	0	20.079	/	Pass

4.2.2 Test Graph

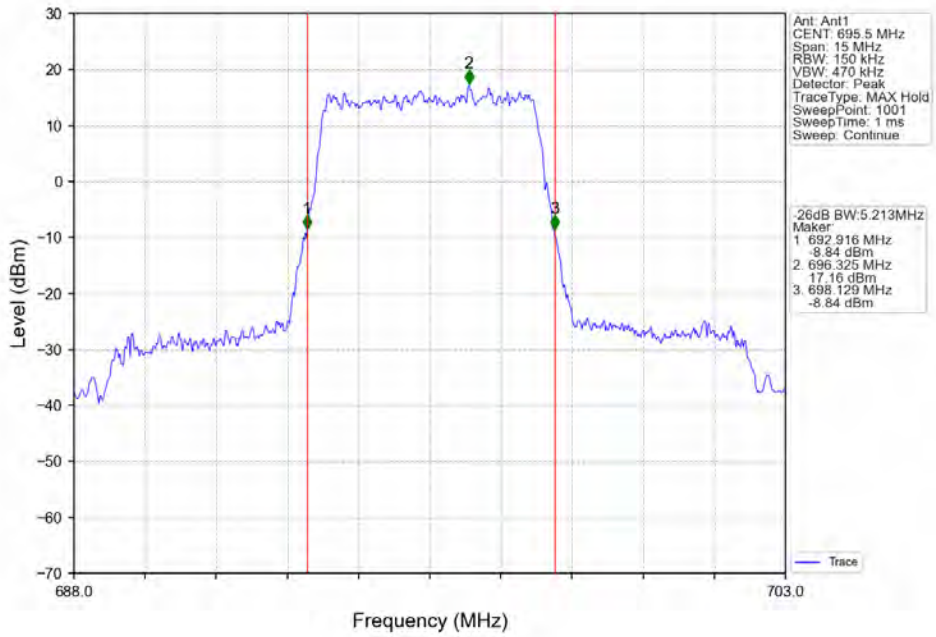
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



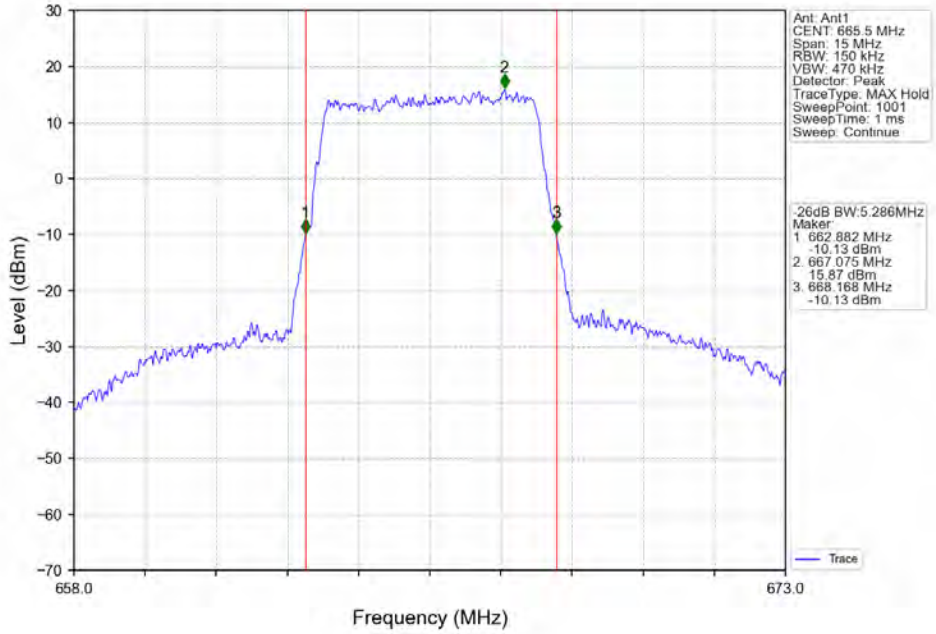
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



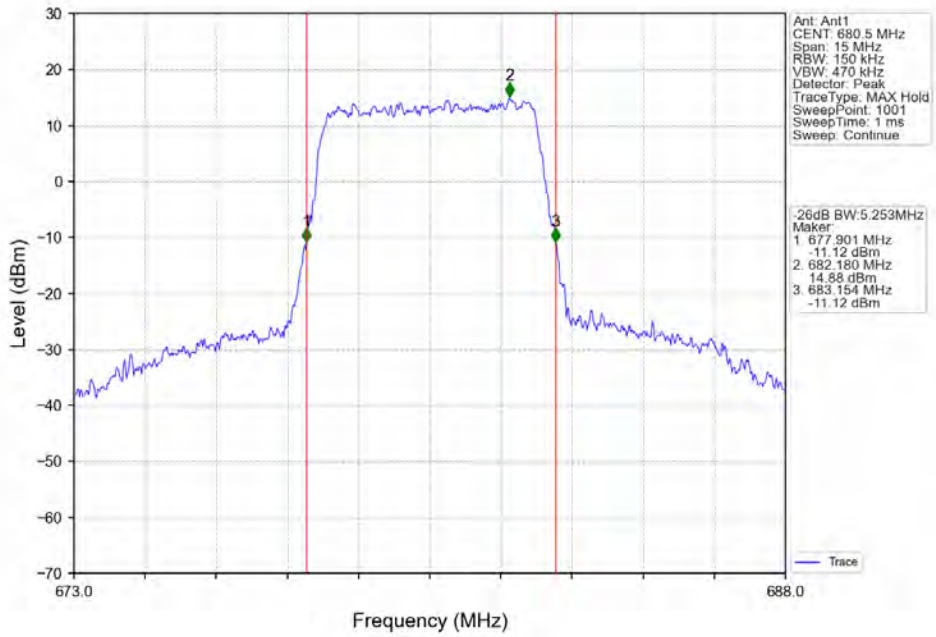
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



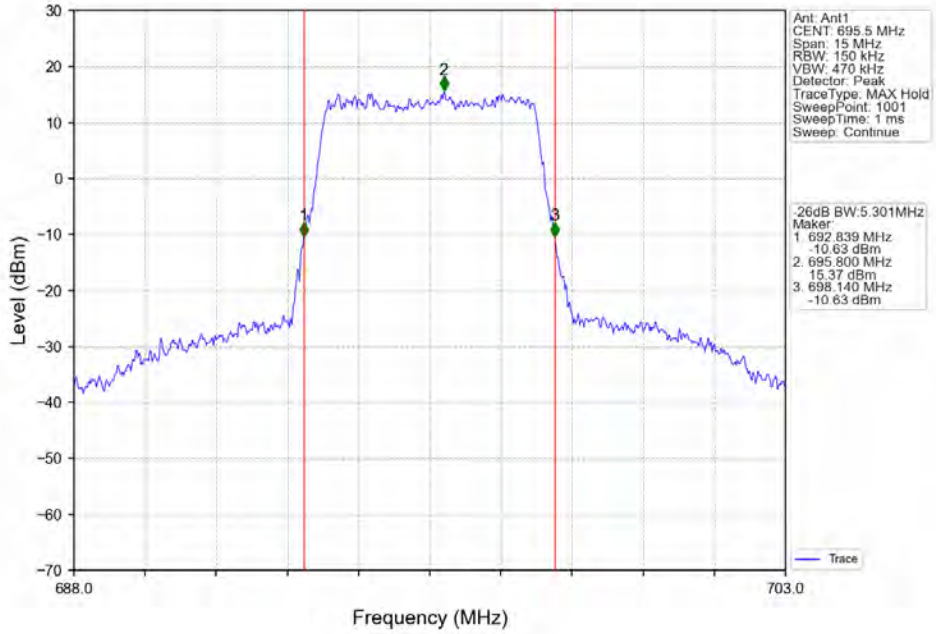
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



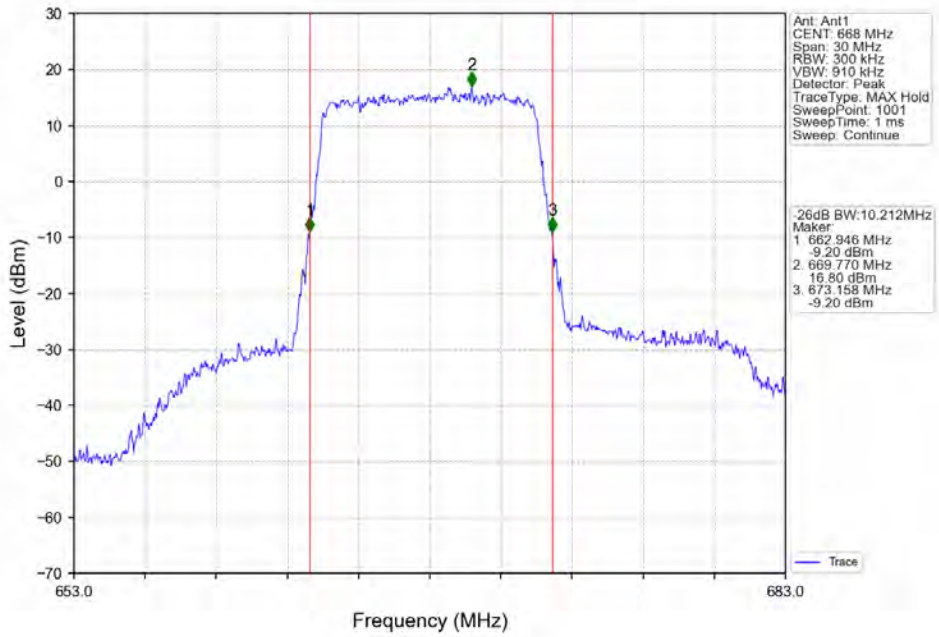
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



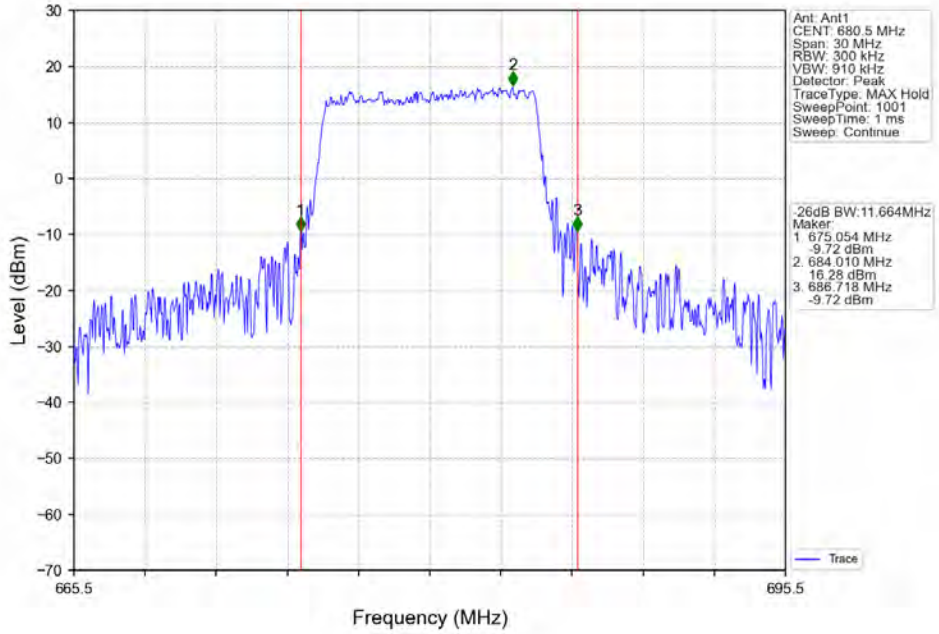
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



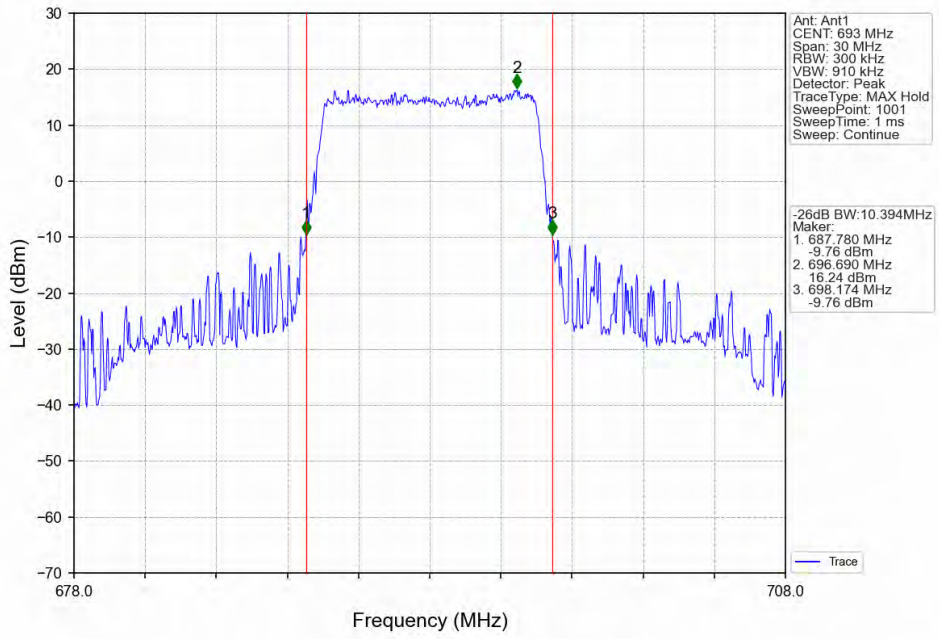
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



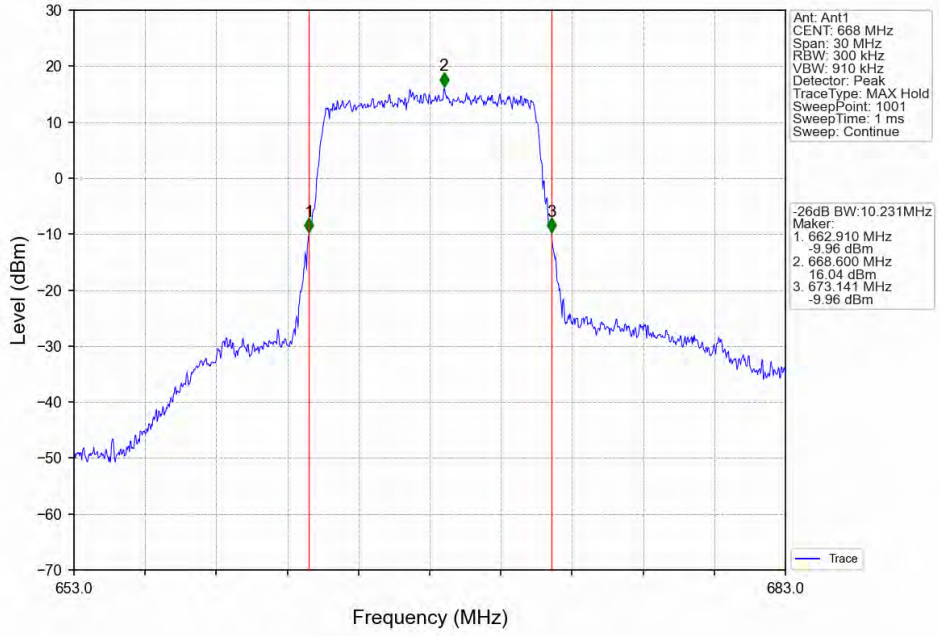
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



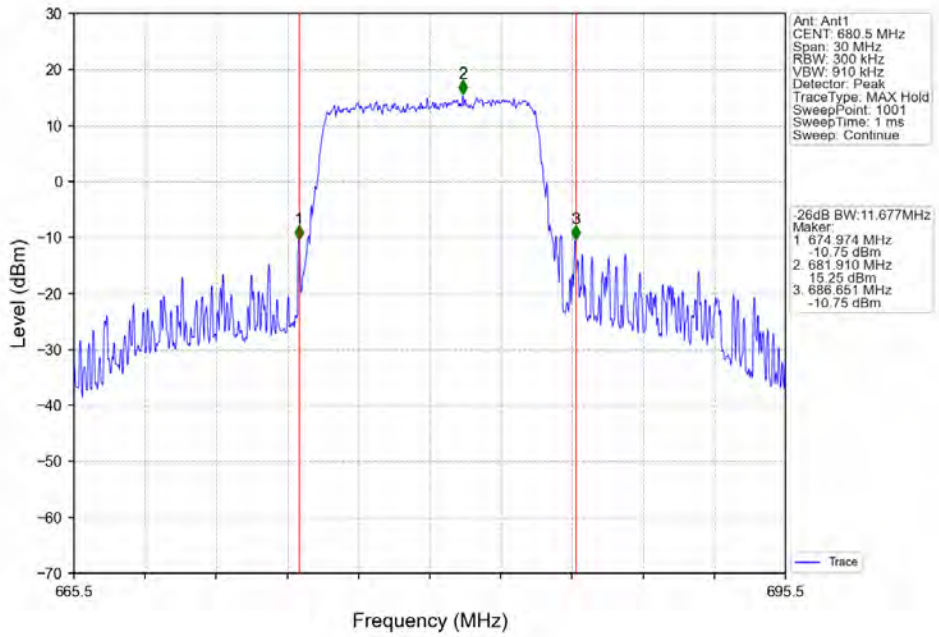
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



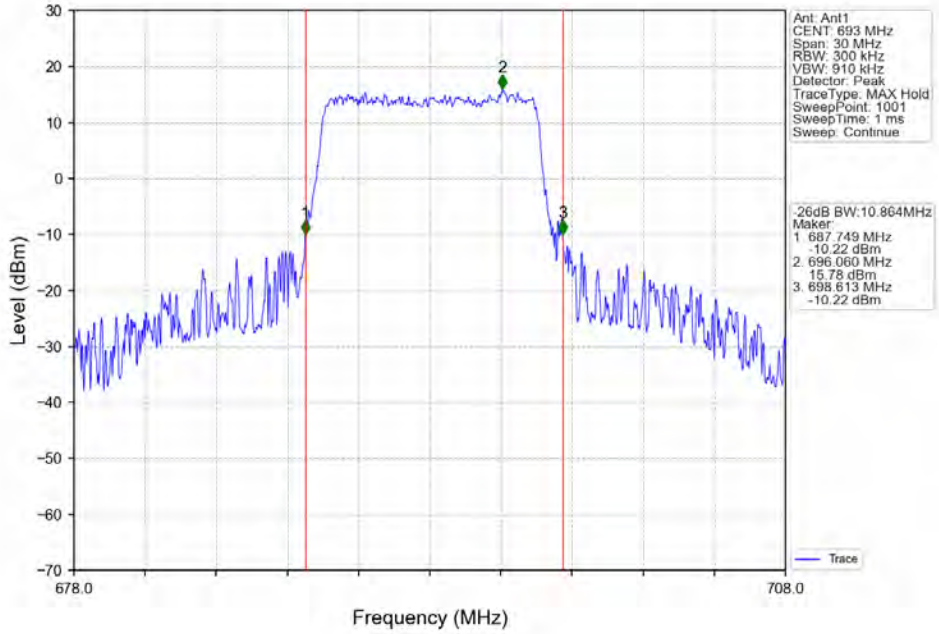
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



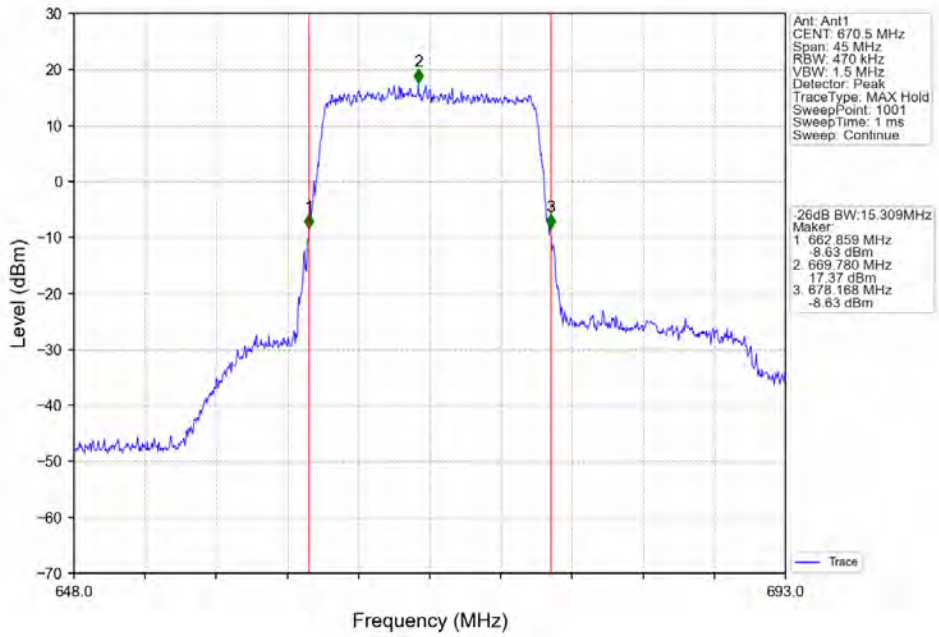
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



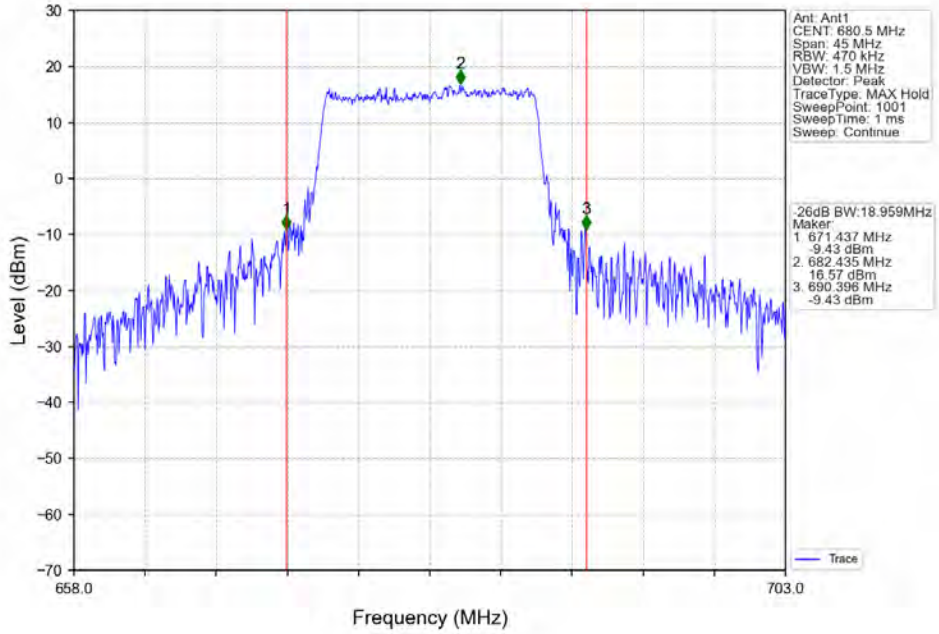
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



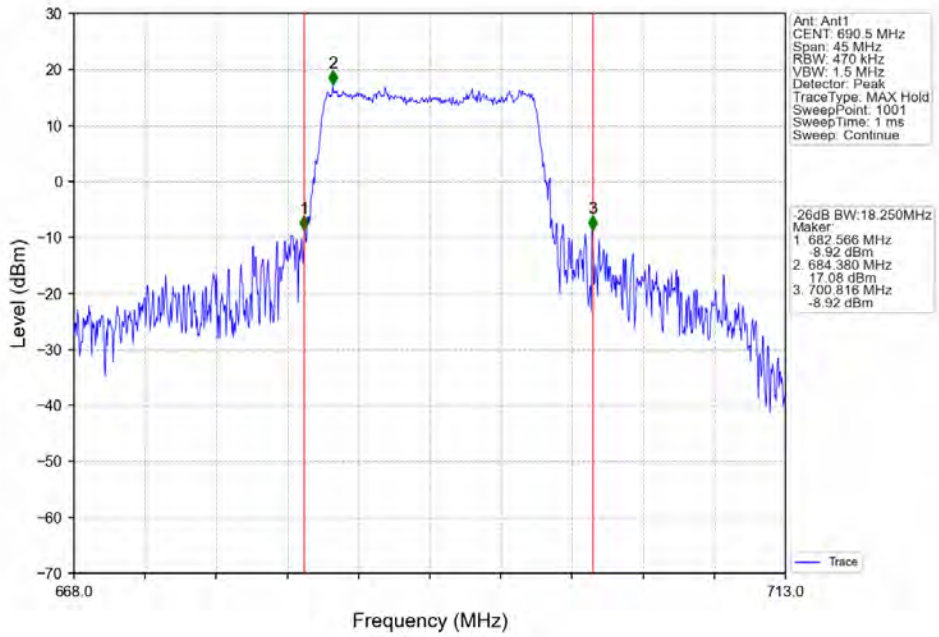
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



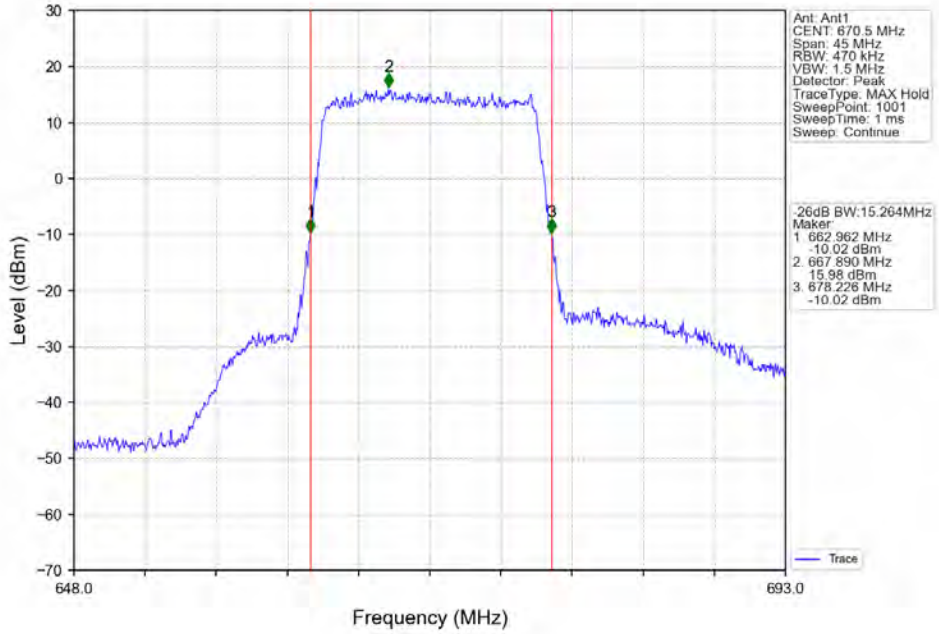
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



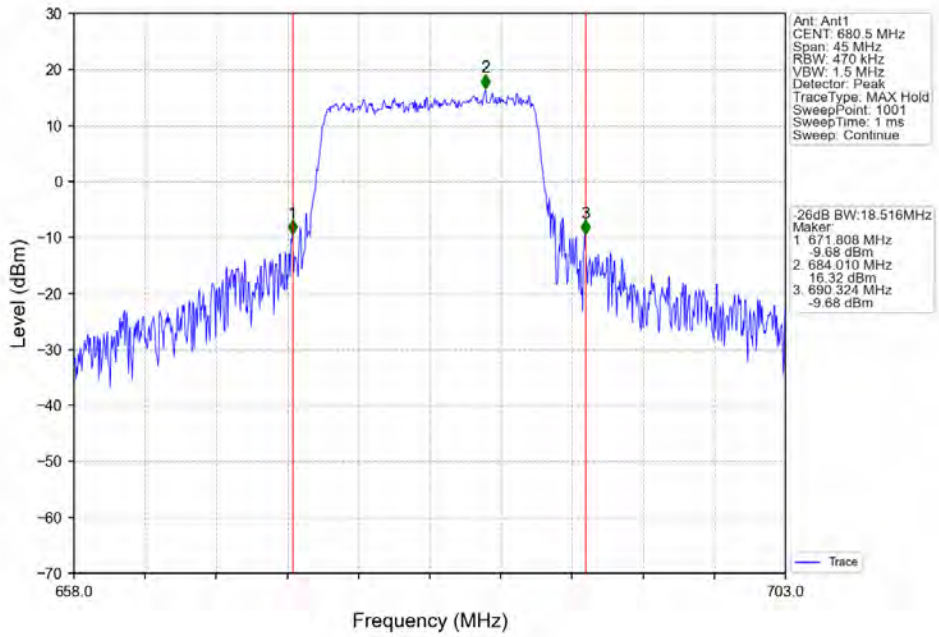
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



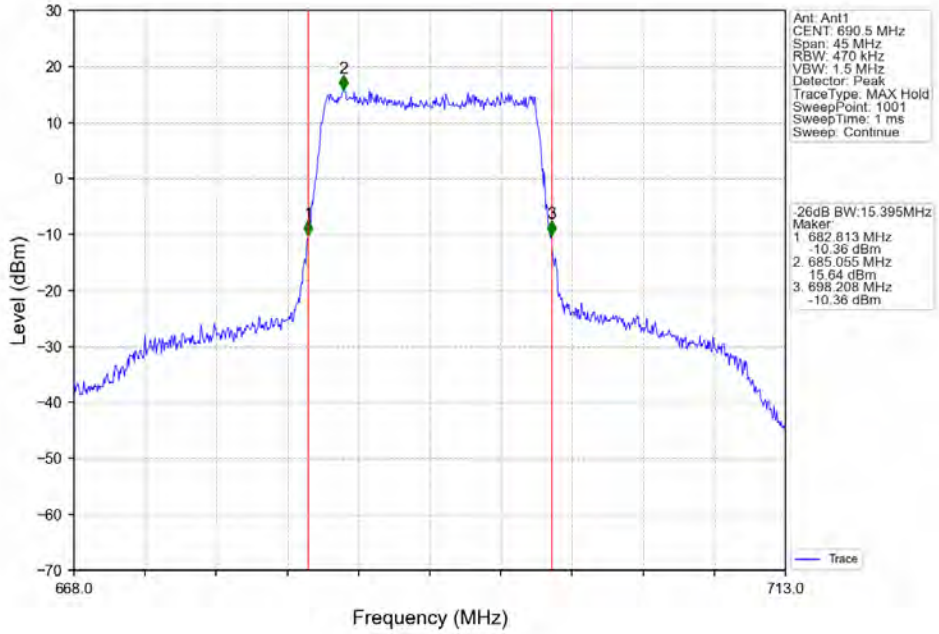
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



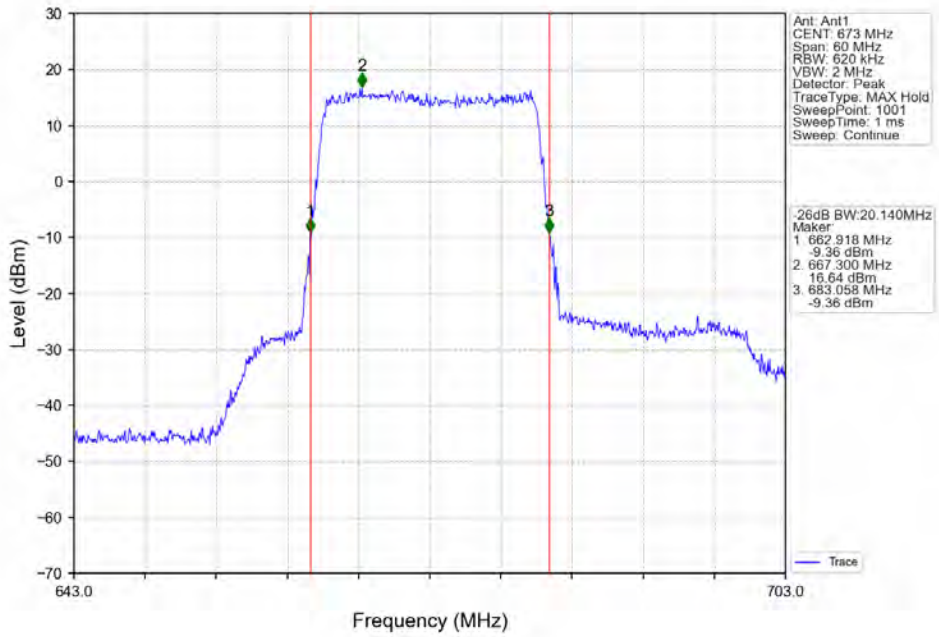
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



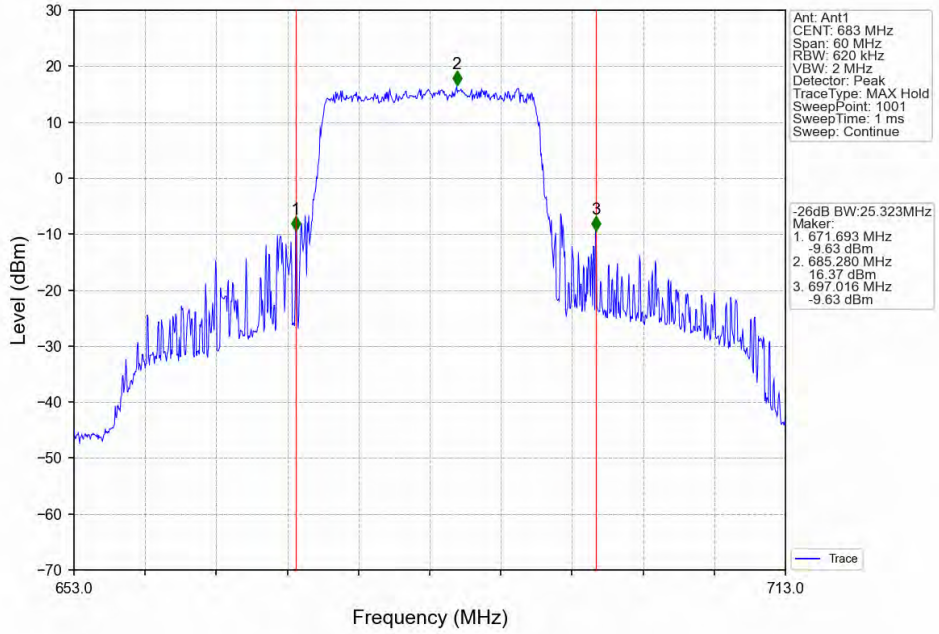
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



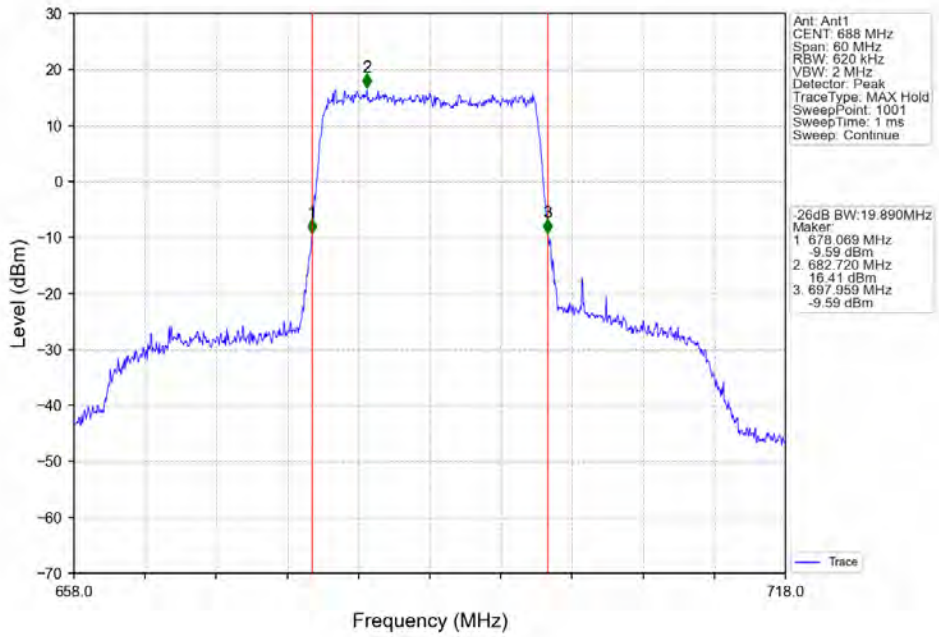
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



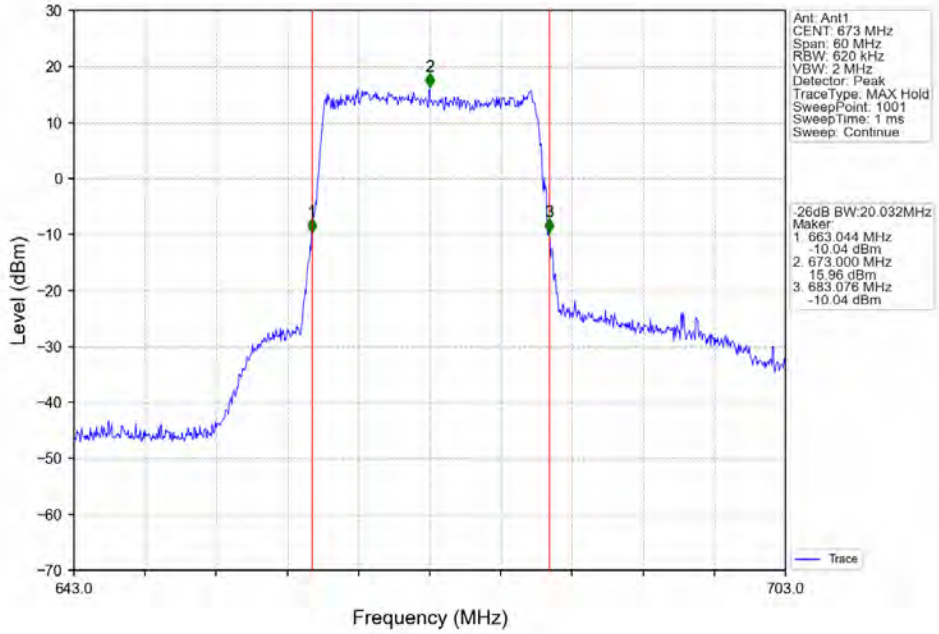
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



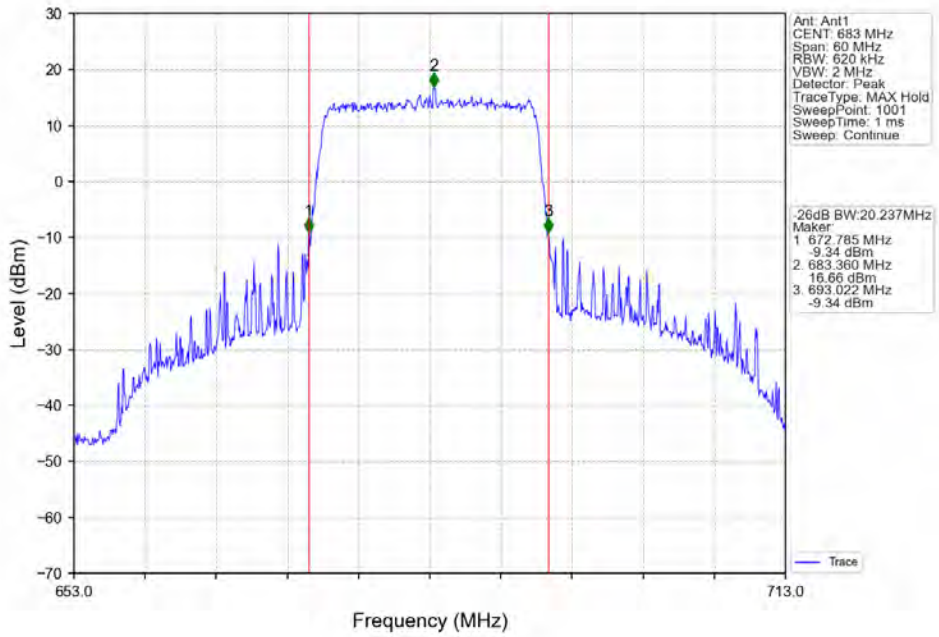
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



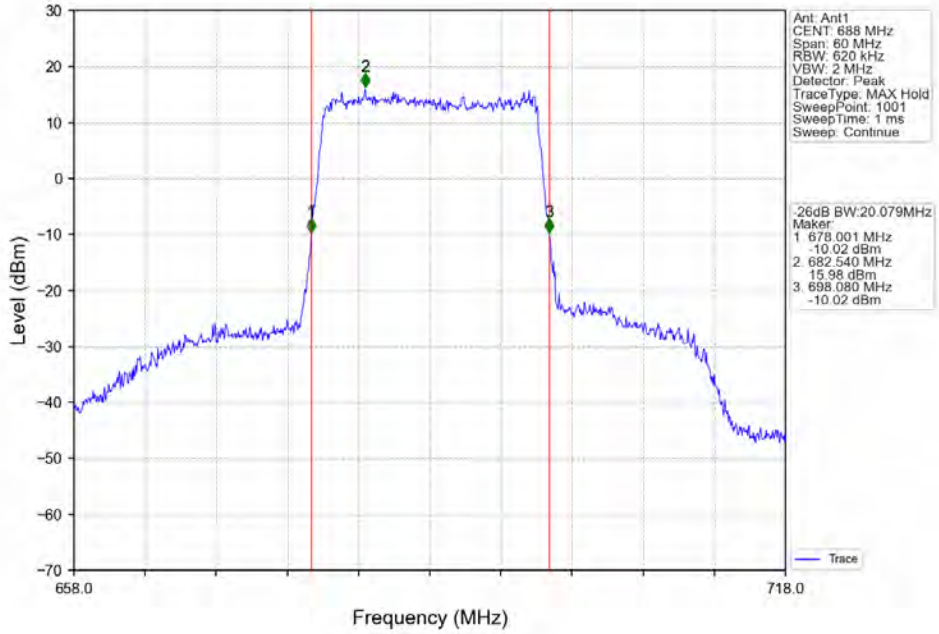
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



5. Peak-Average Ratio

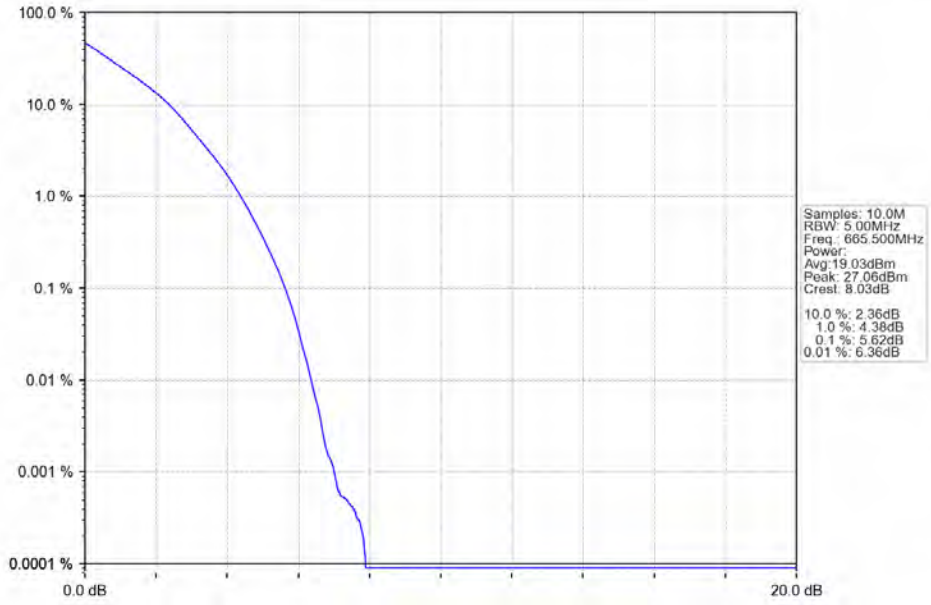
5.1 B71_5MHz

5.1.1 Test Result

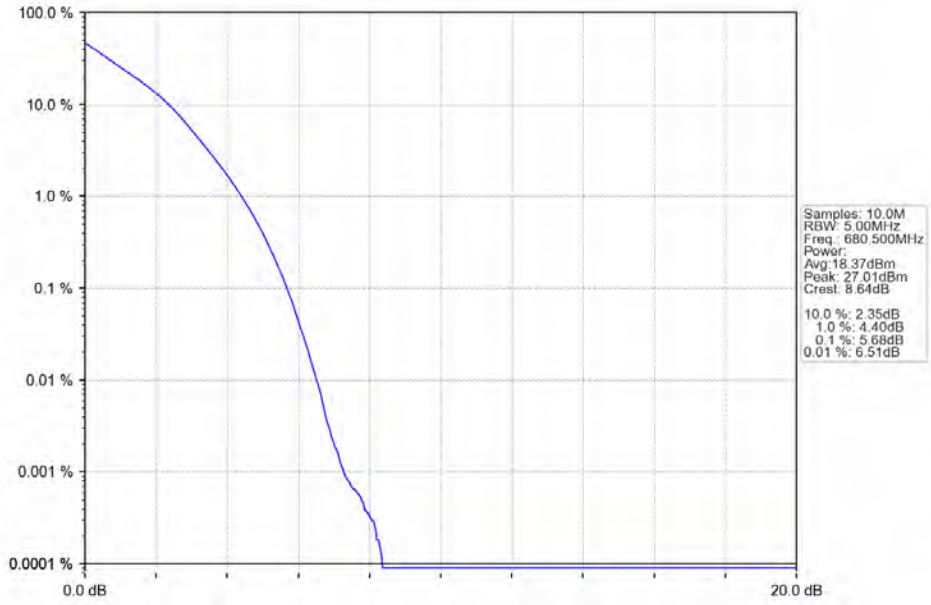
Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.62	<=13	Pass
	680.5	25	0	5.68	<=13	Pass
	695.5	25	0	5.60	<=13	Pass
16QAM	665.5	25	0	6.26	<=13	Pass
	680.5	25	0	6.26	<=13	Pass
	695.5	25	0	6.26	<=13	Pass

5.1.2 Test Graph

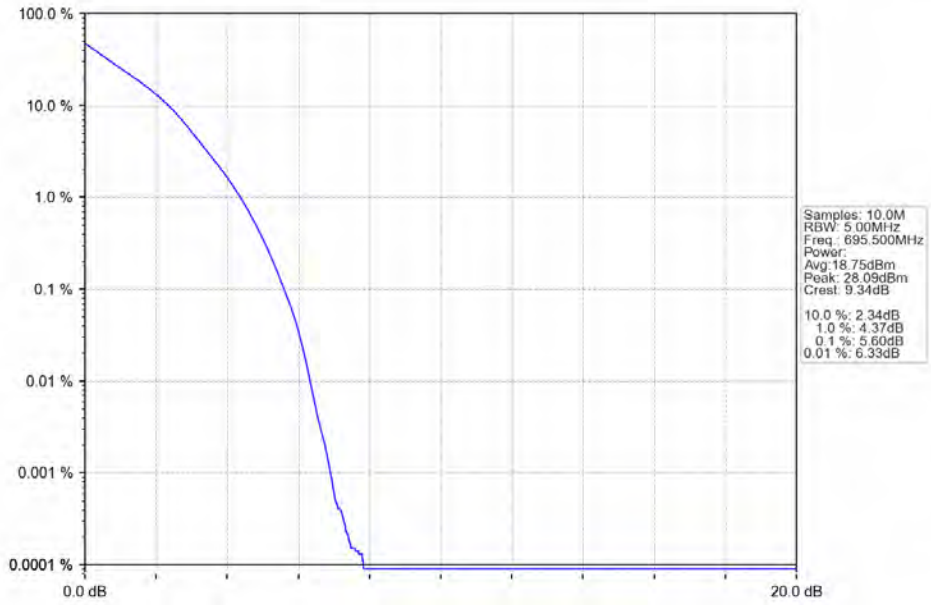
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



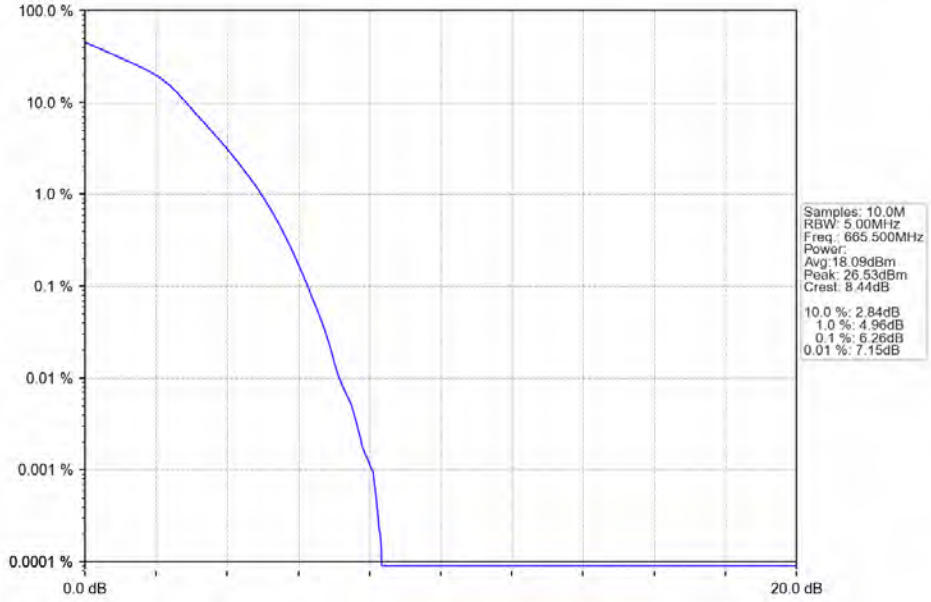
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



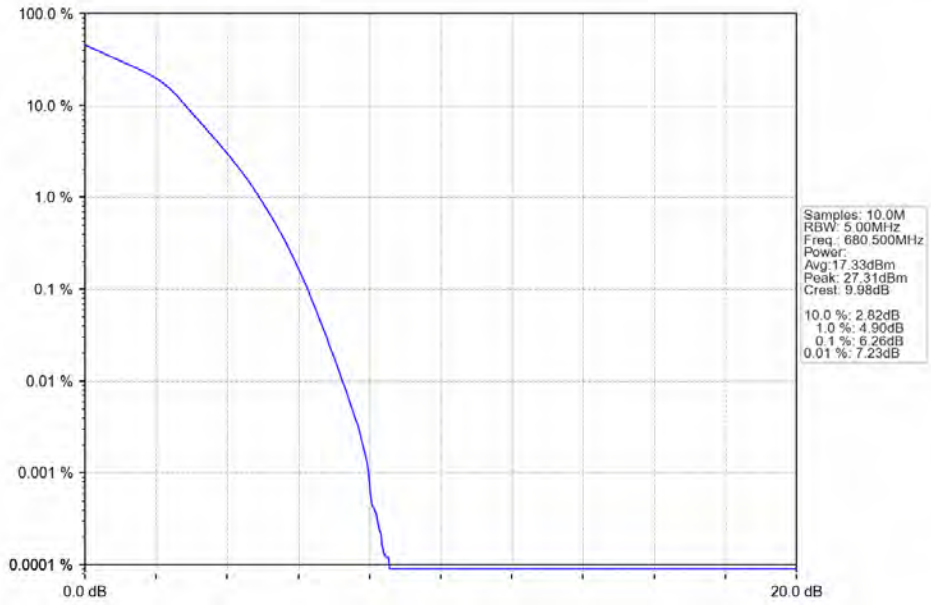
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



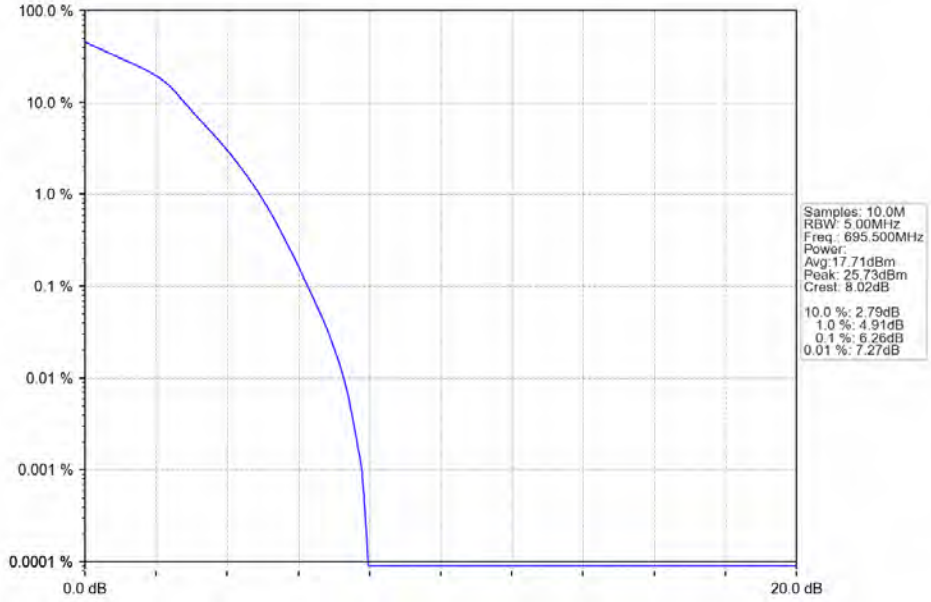
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



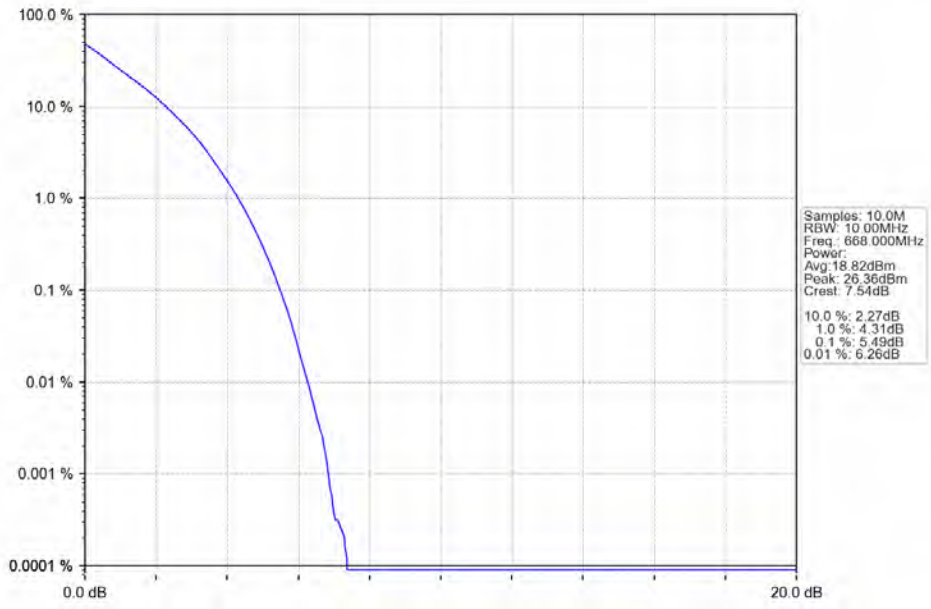
5.2 B71_10MHz

5.2.1 Test Result

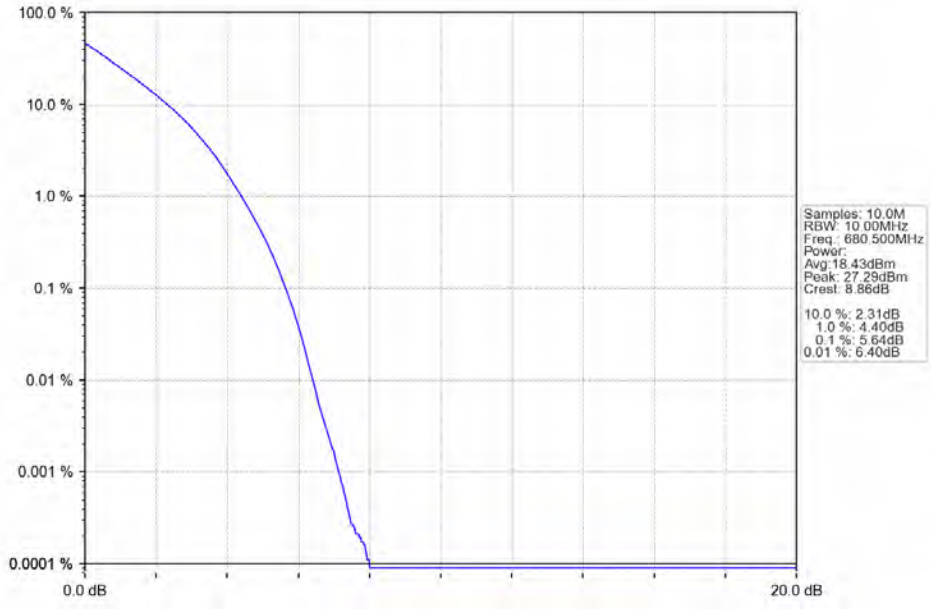
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.49	<=13	Pass
	680.5	50	0	5.64	<=13	Pass
	693	50	0	5.73	<=13	Pass
16QAM	668	50	0	6.24	<=13	Pass
	680.5	50	0	6.35	<=13	Pass
	693	50	0	6.36	<=13	Pass

5.2.2 Test Graph

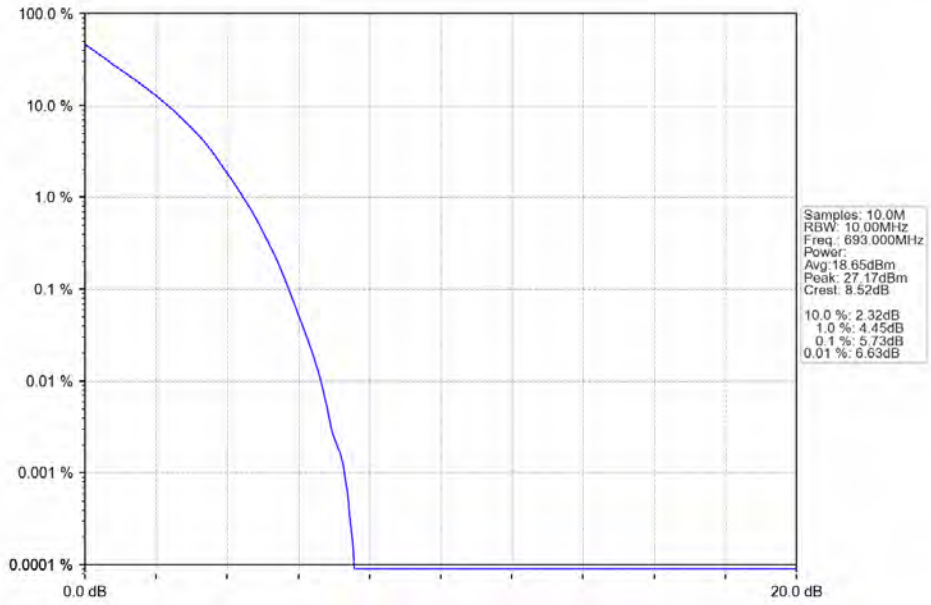
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



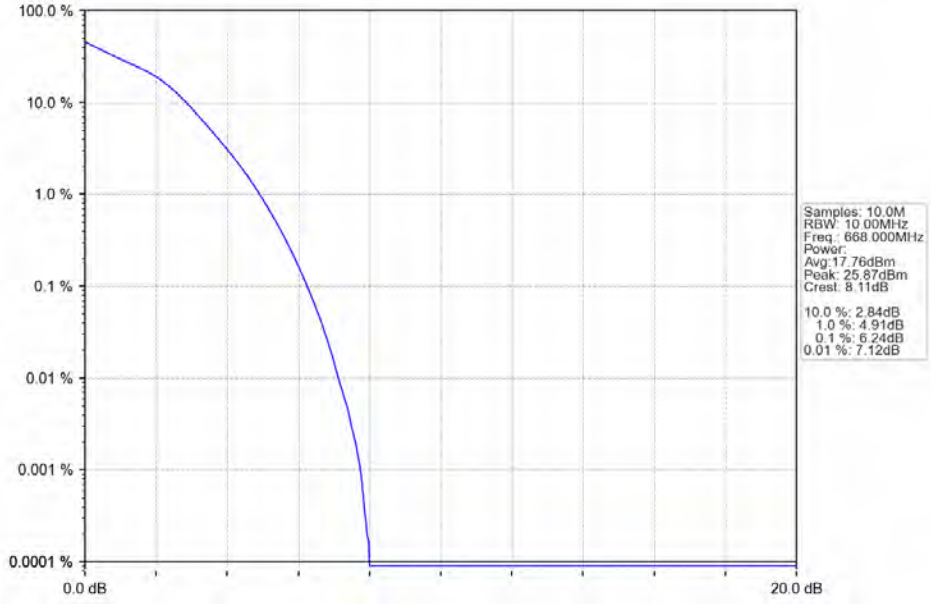
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



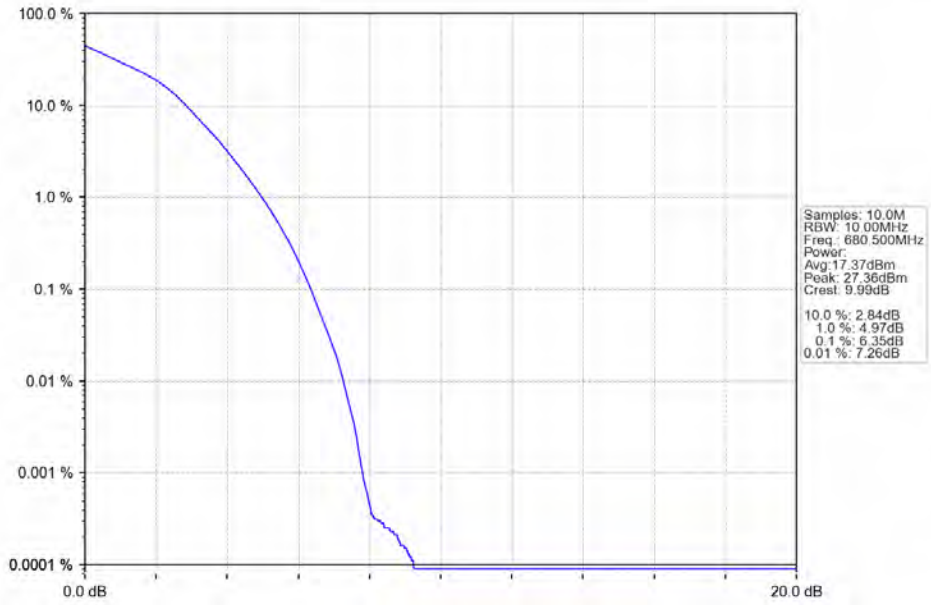
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



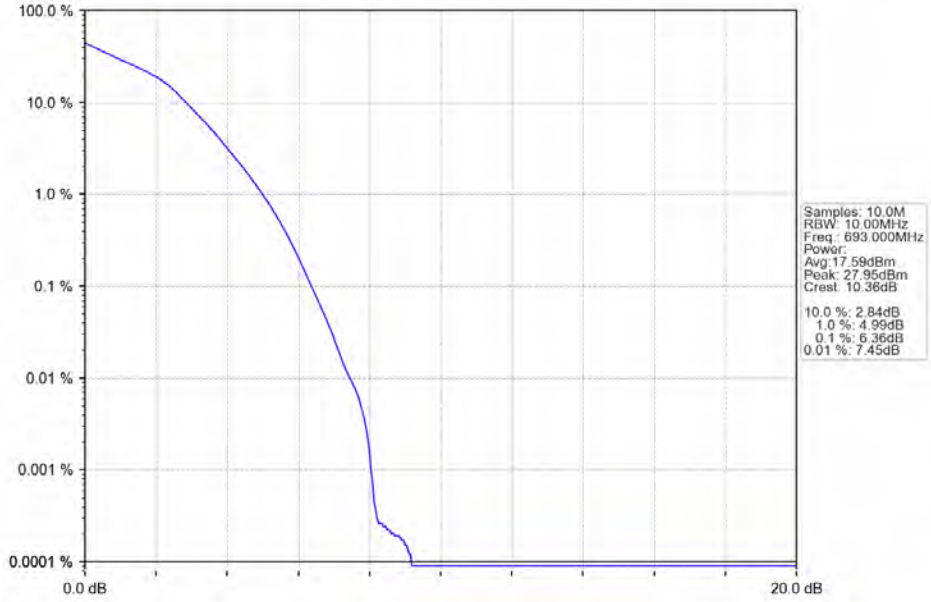
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



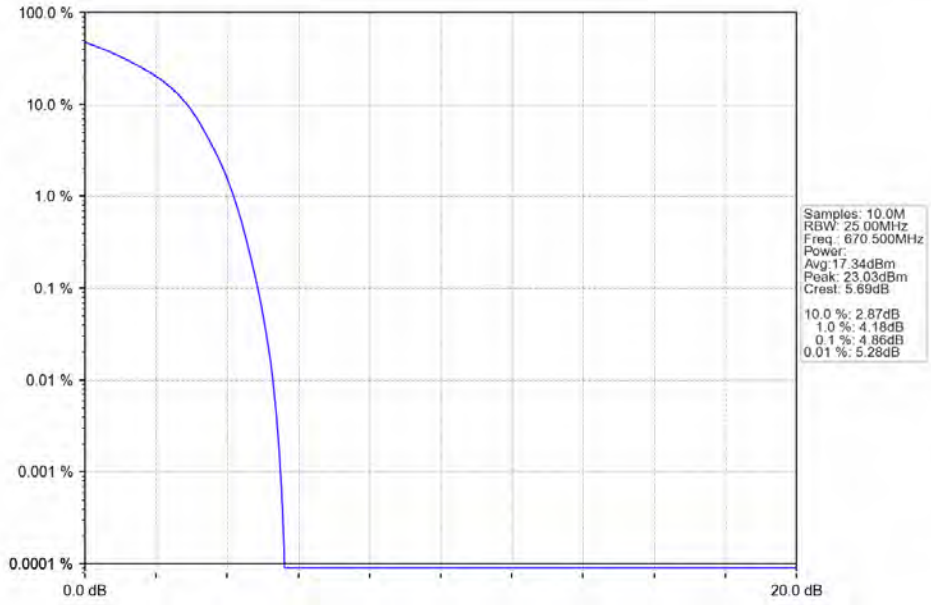
5.3 B71_15MHz

5.3.1 Test Result

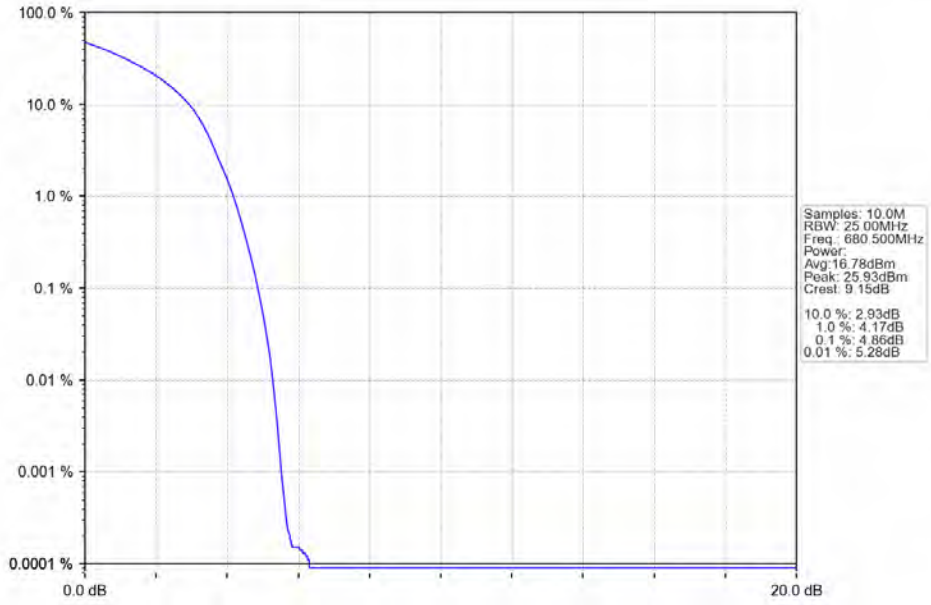
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	4.86	<=13	Pass
	680.5	75	0	4.86	<=13	Pass
	690.5	75	0	4.96	<=13	Pass
16QAM	670.5	75	0	6.18	<=13	Pass
	680.5	75	0	6.15	<=13	Pass
	690.5	75	0	6.14	<=13	Pass

5.3.2 Test Graph

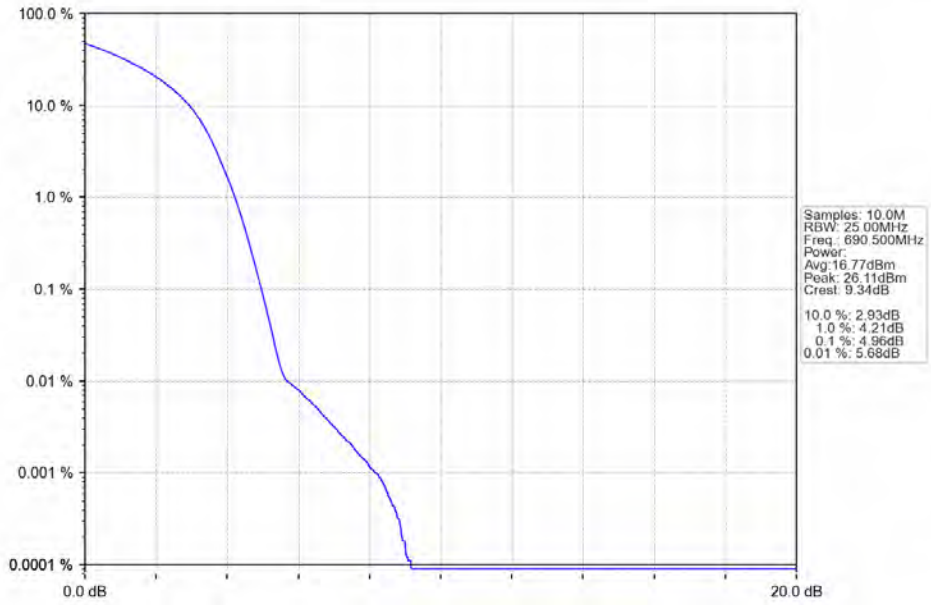
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



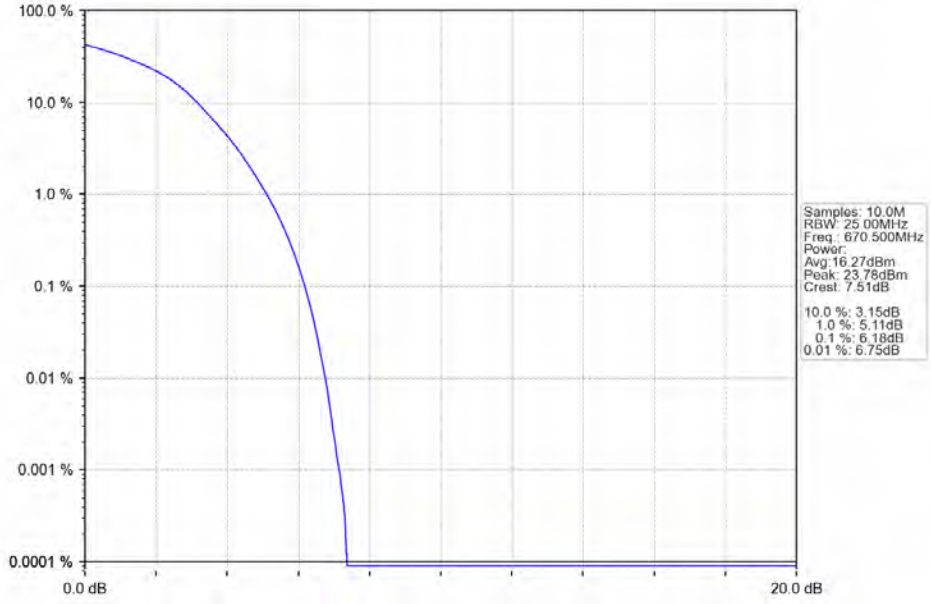
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



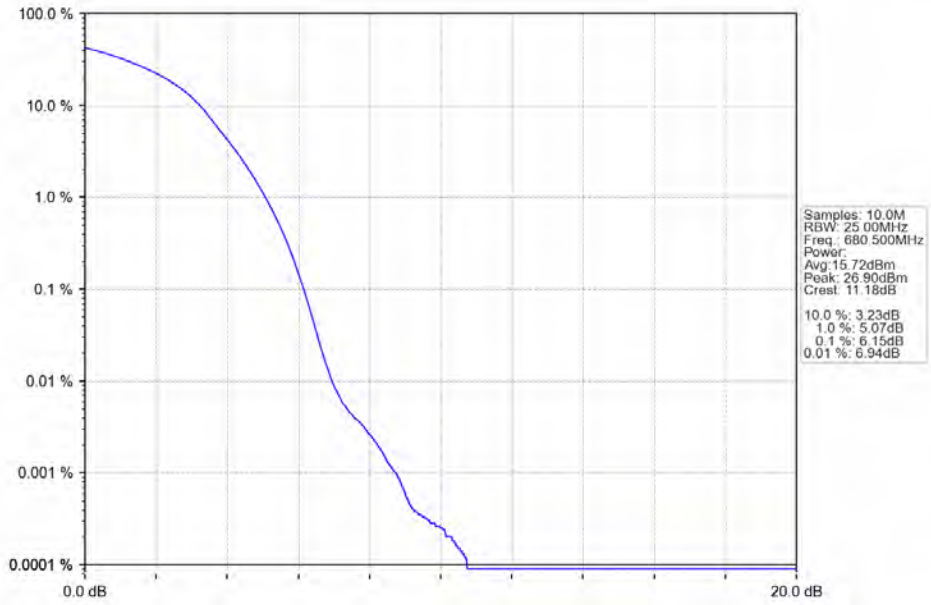
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



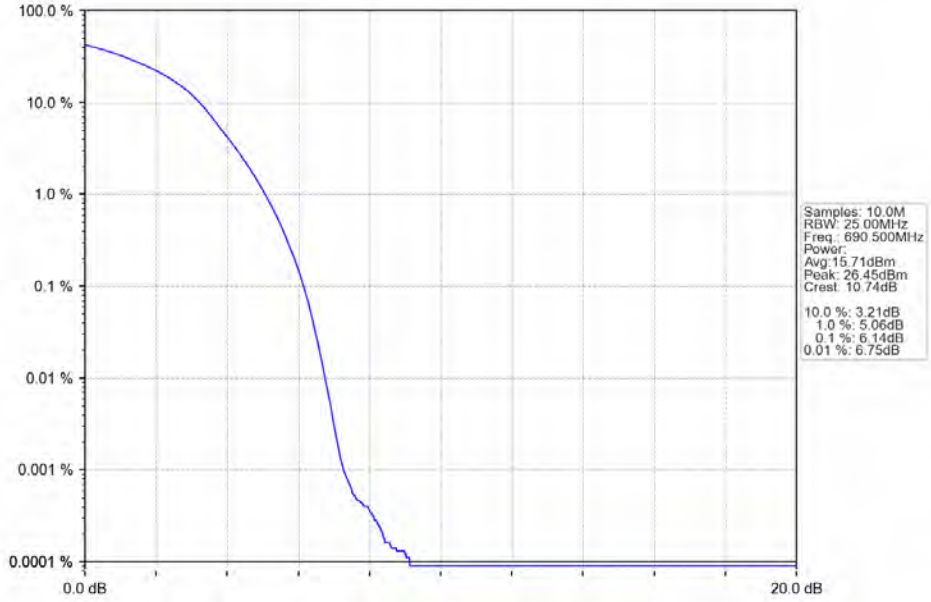
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



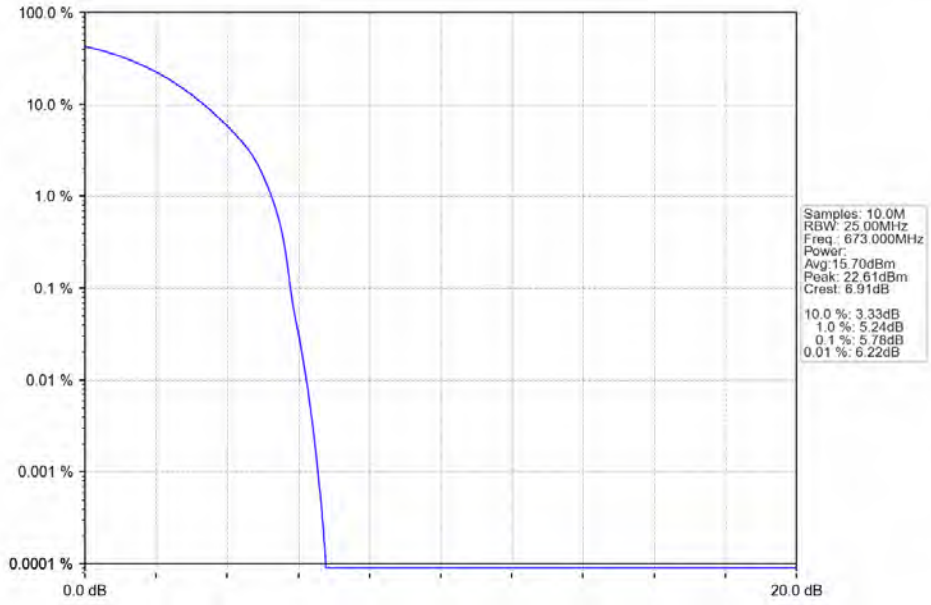
5.4 B71_20MHz

5.4.1 Test Result

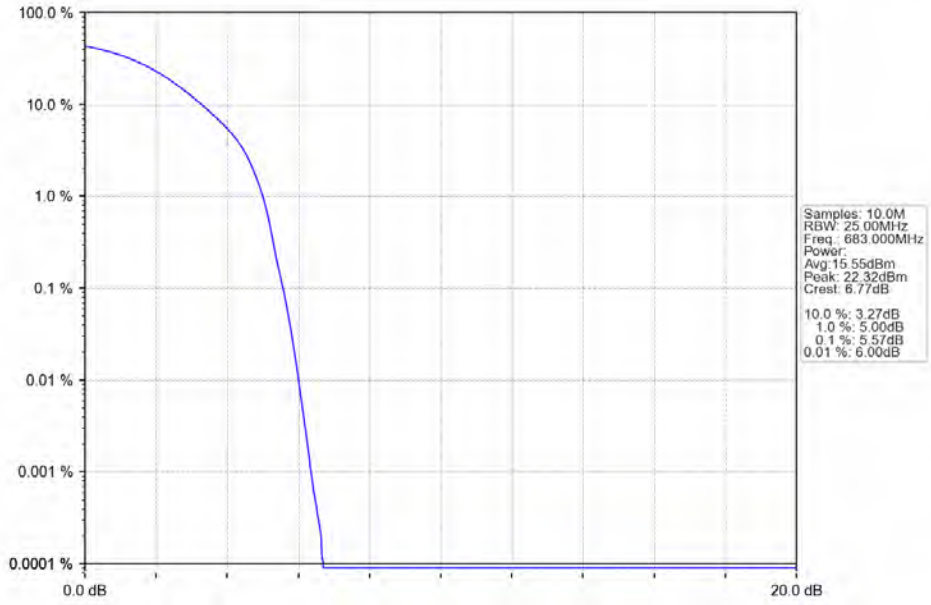
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.78	<=13	Pass
	683	100	0	5.57	<=13	Pass
	688	100	0	5.64	<=13	Pass
16QAM	673	100	0	6.73	<=13	Pass
	683	100	0	6.64	<=13	Pass
	688	100	0	6.68	<=13	Pass

5.4.2 Test Graph

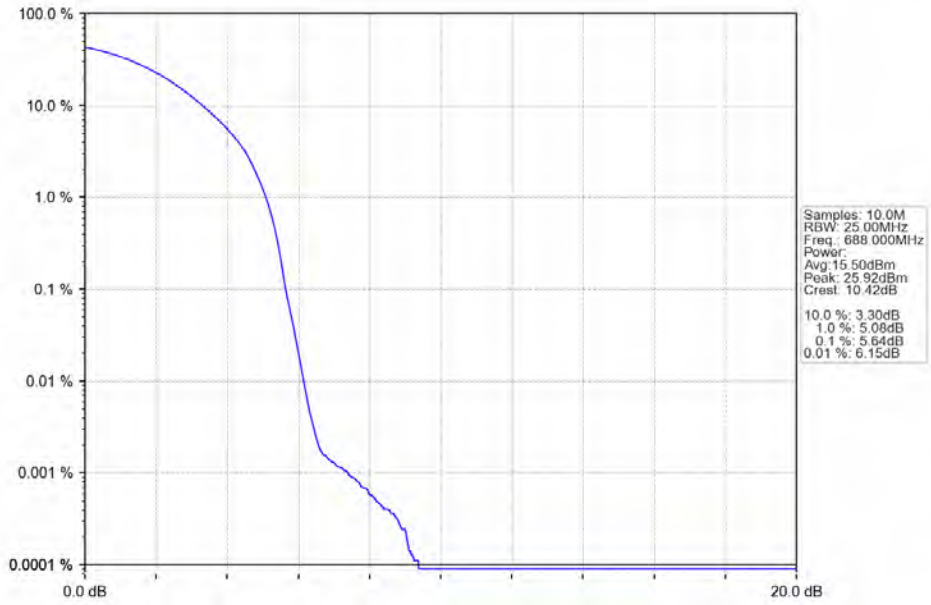
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



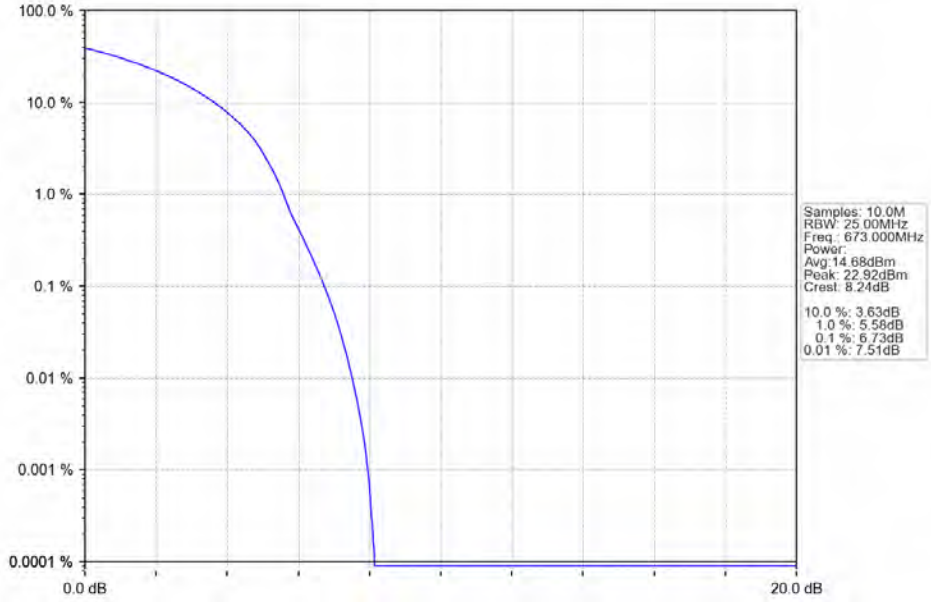
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



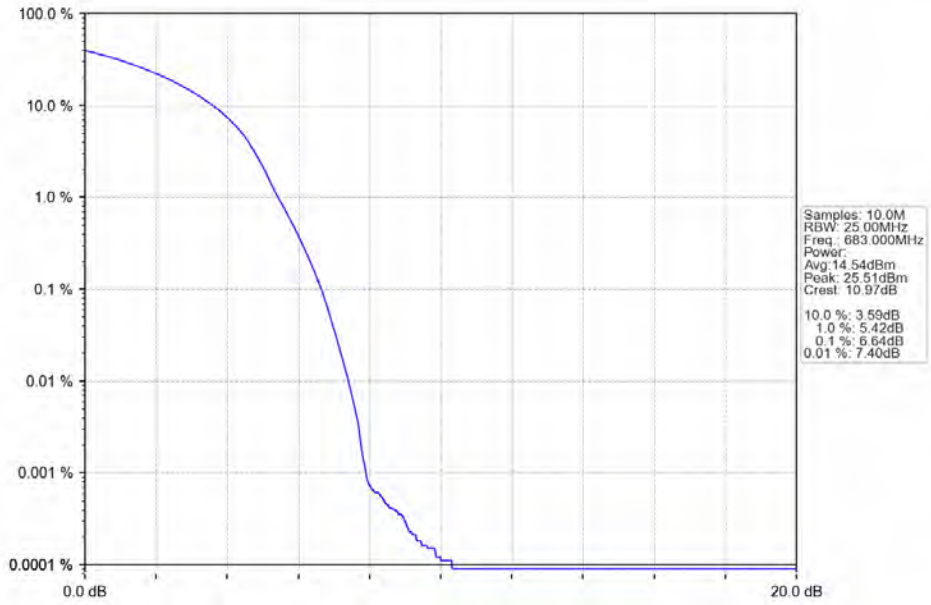
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



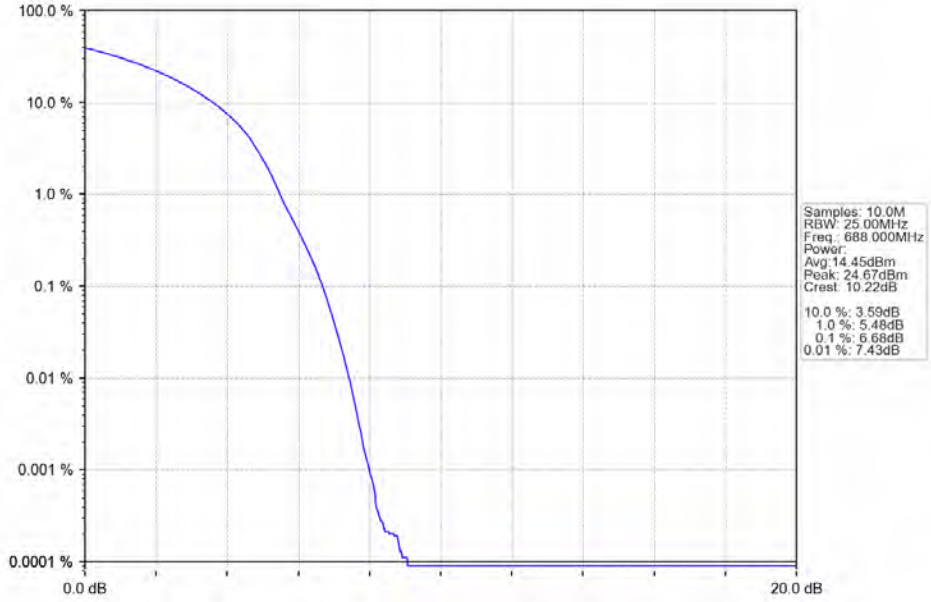
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



6. Spurious Emission

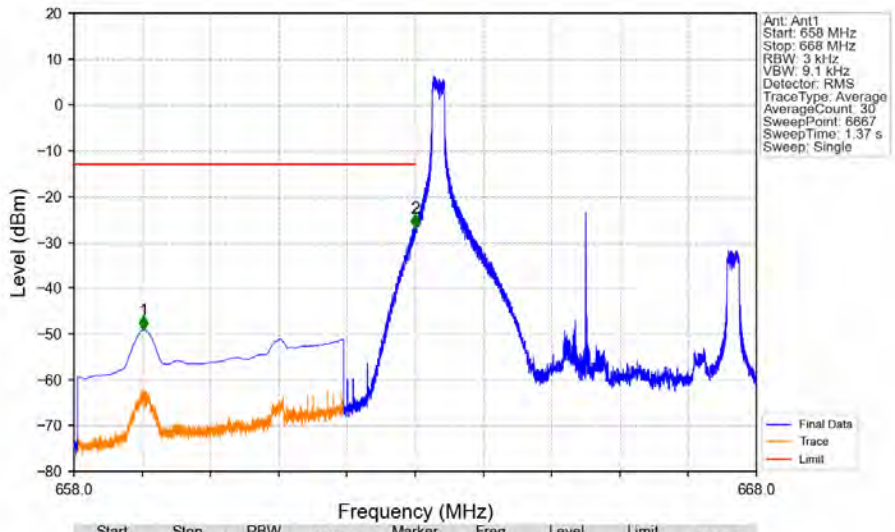
6.1 B71_5MHz

6.1.1 Test Result

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

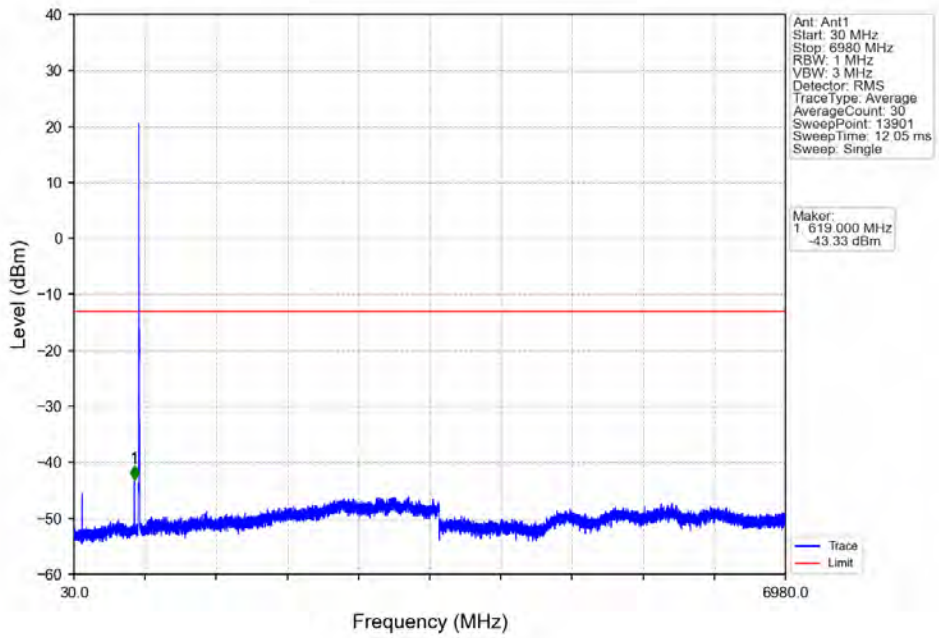
6.1.2 Test Graph

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

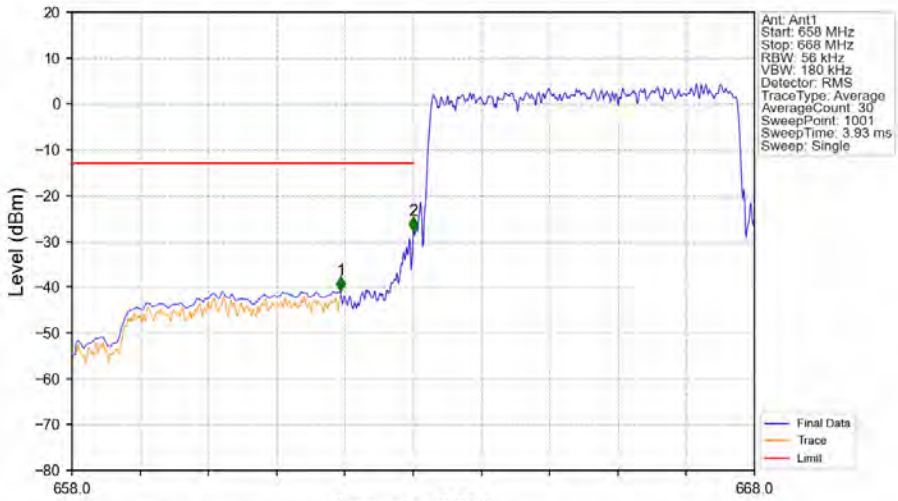


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.022	-49.12	-13	Pass
662	663	0.003	/	2	663.000	-26.92	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

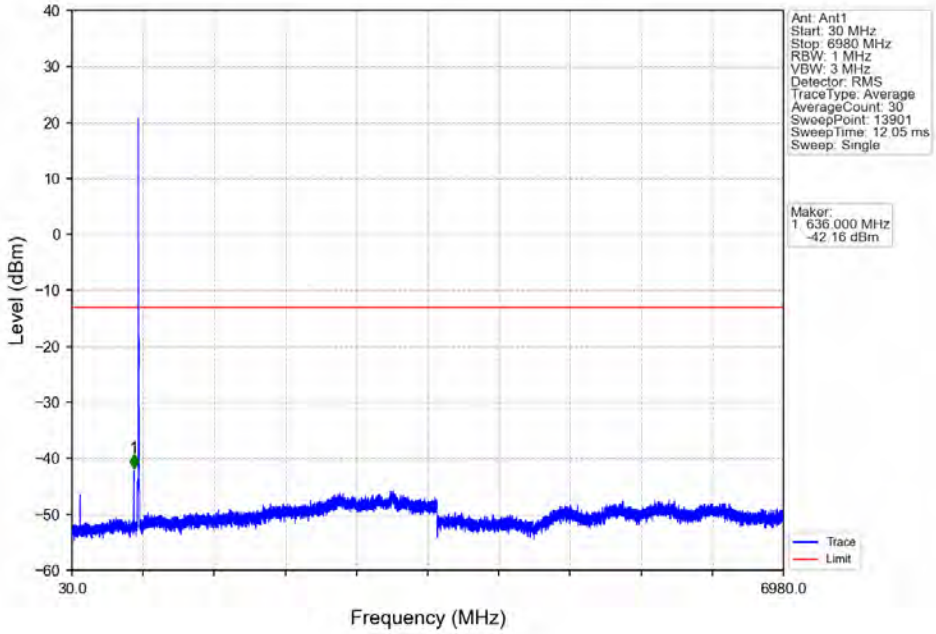


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

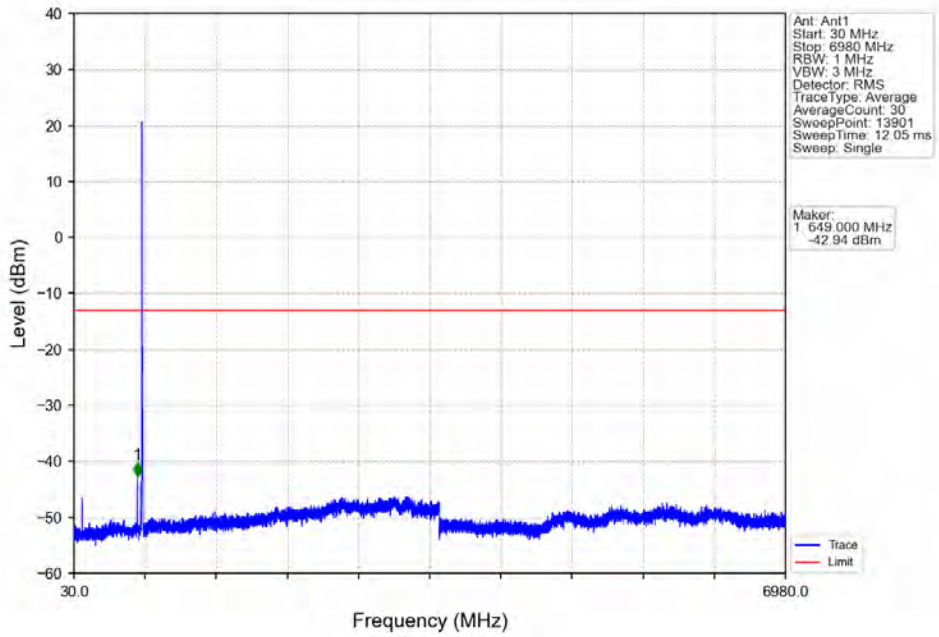


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.940	-40.78	-13	Pass
662	663	0.056	/	2	663.000	-27.73	-13	Pass
663	668	0.056	/	/	/	/	/	/

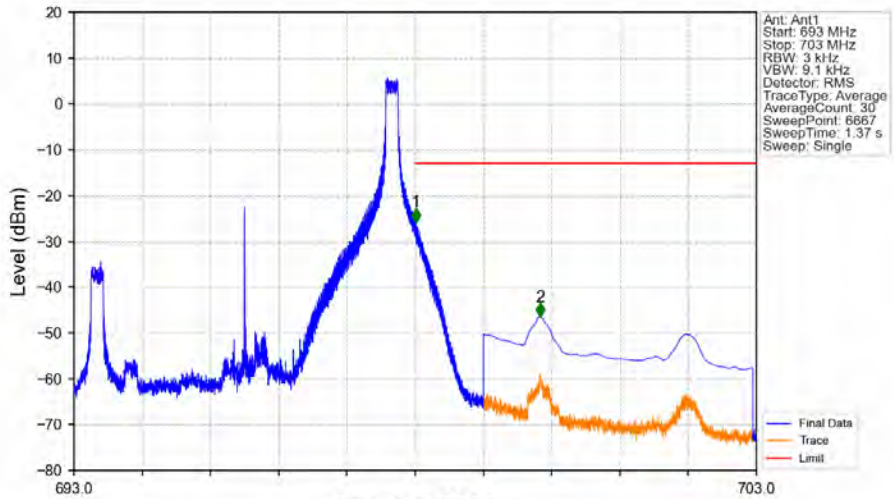
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

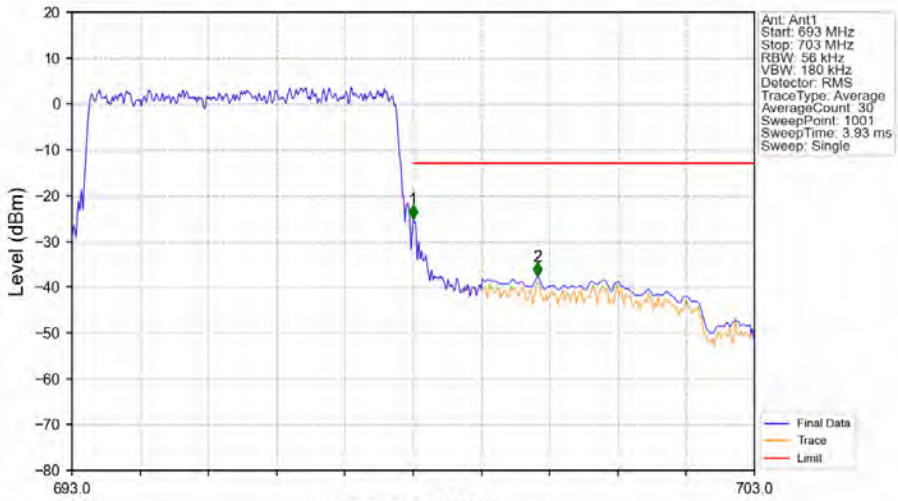


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



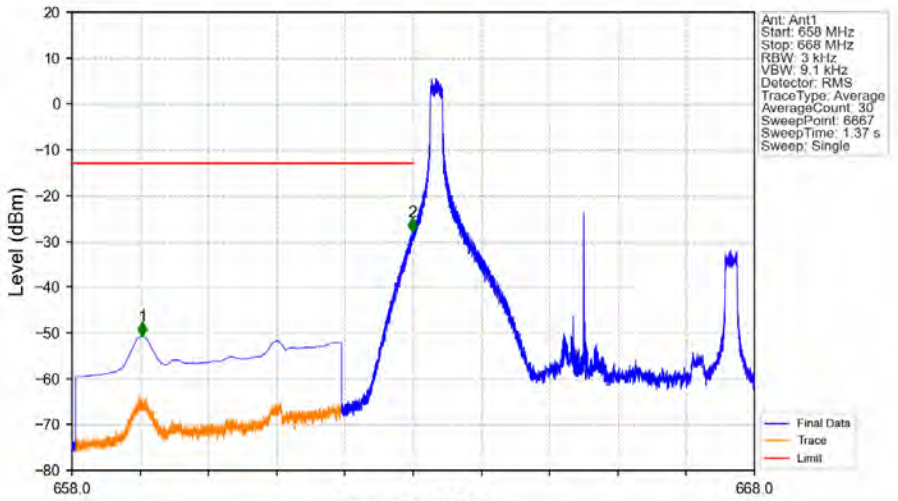
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.009	-25.80	-13	Pass
699	703	0.1	CHP	2	699.833	-46.47	-13	Pass

Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



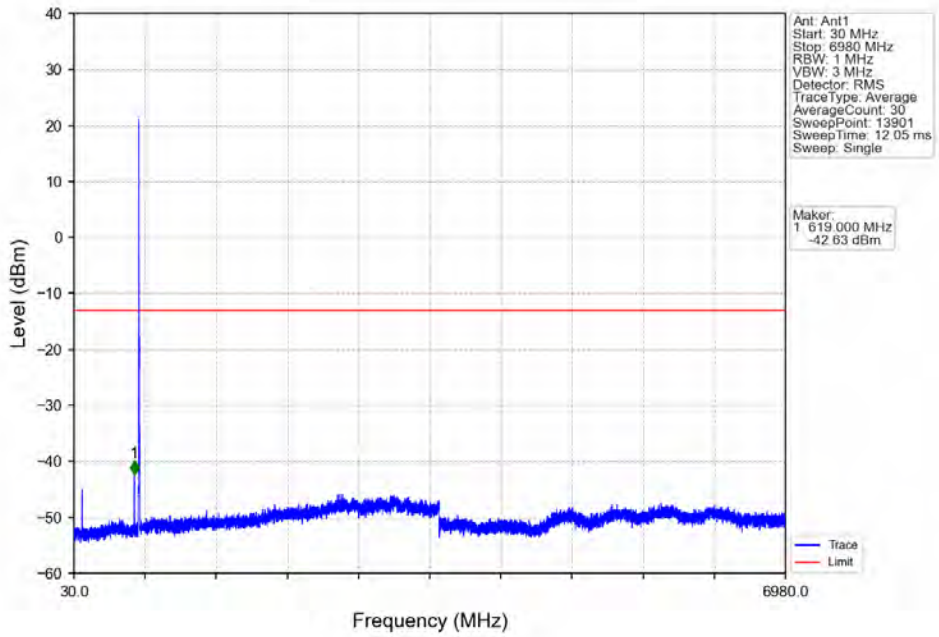
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.000	-25.21	-13	Pass
699	703	0.1	CHP	2	699.820	-37.72	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

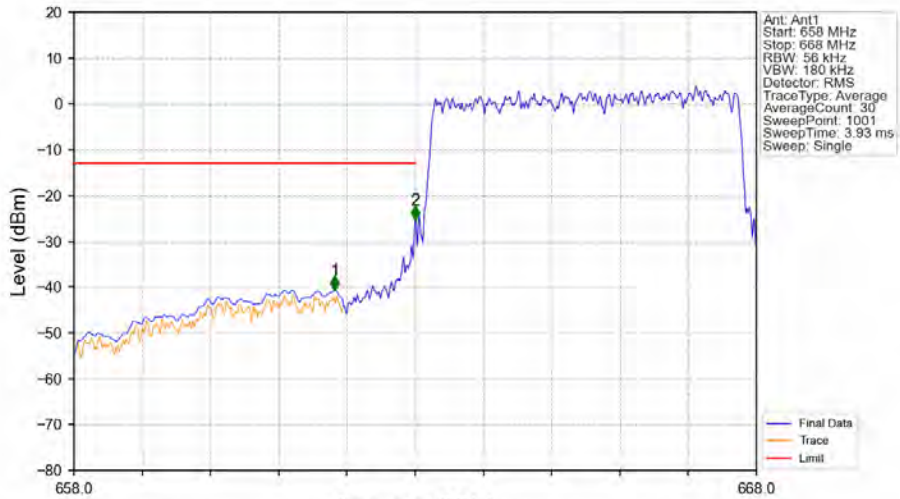


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	659.034	-50.79	-13	Pass
662	663	0.003	/	2	662.988	-28.03	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTNV

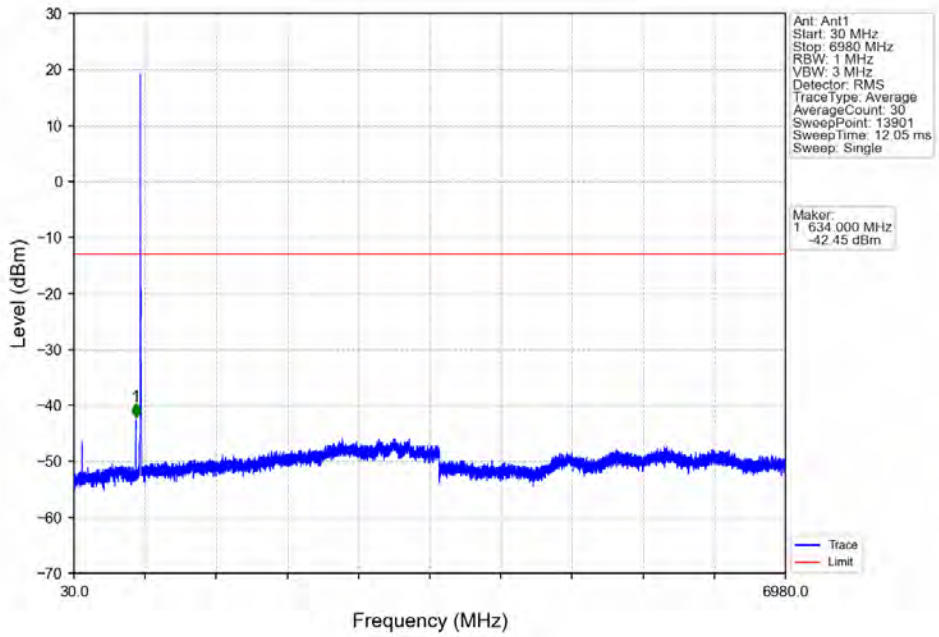


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

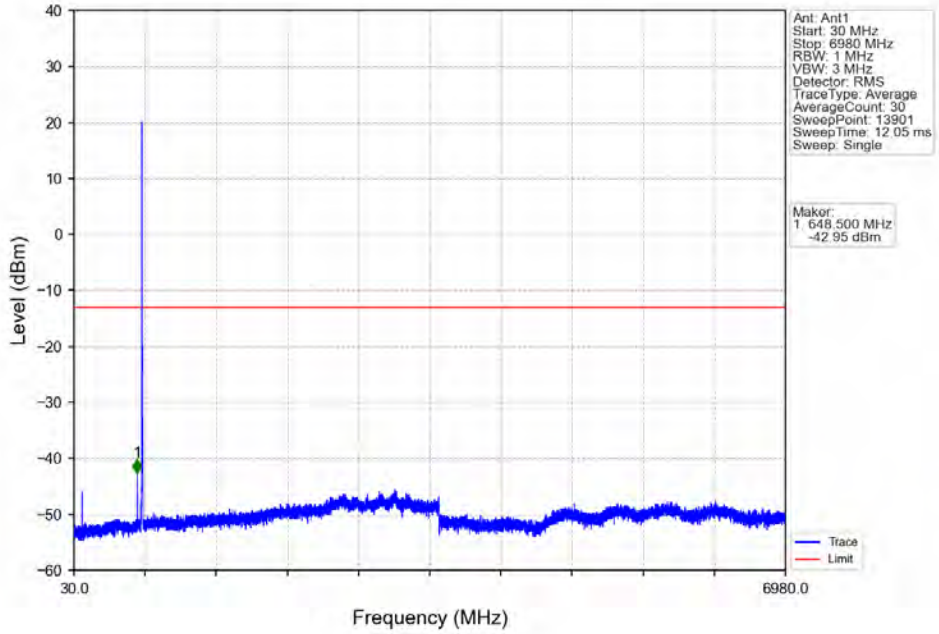


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.820	-40.66	-13	Pass
662	663	0.056	/	2	663.000	-25.34	-13	Pass
663	668	0.056	/	/	/	/	/	/

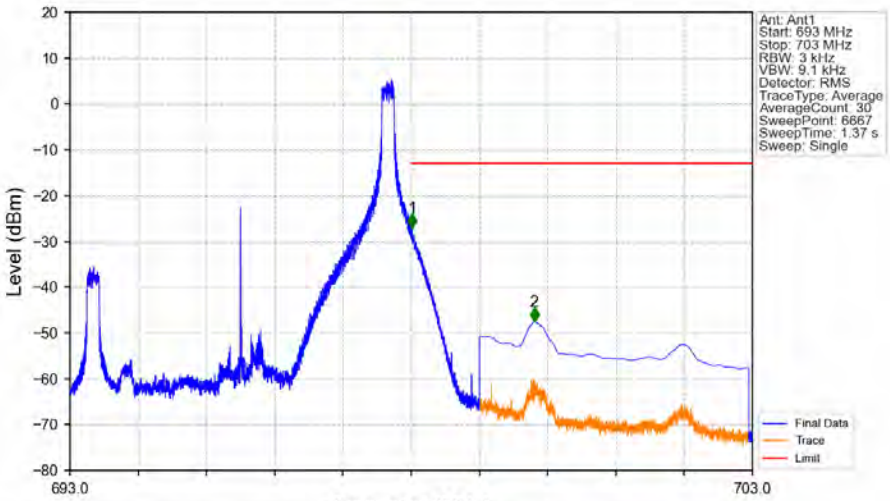
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV

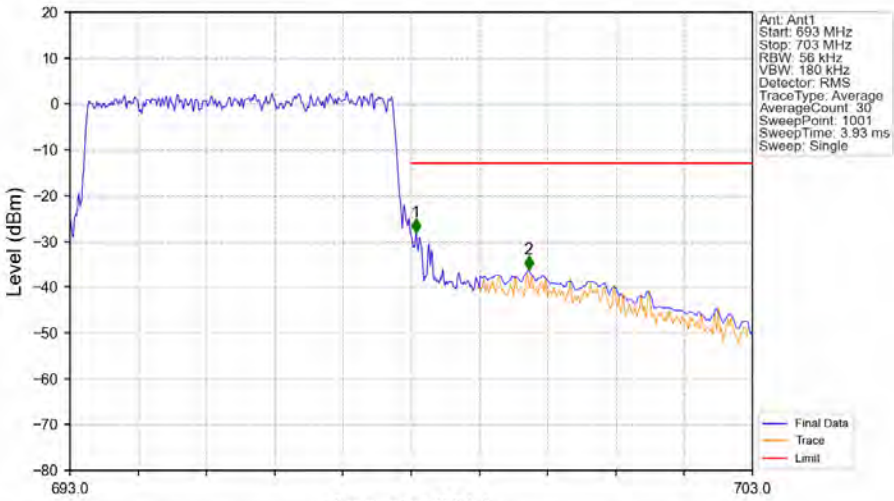


Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.015	-27.05	-13	Pass
699	703	0.1	CHP	2	699.805	-47.57	-13	Pass

Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.056	/	/	/	/	/	/
698	699	0.056	/	1	698.070	-28.08	-13	Pass
699	703	0.1	CHP	2	699.720	-36.20	-13	Pass

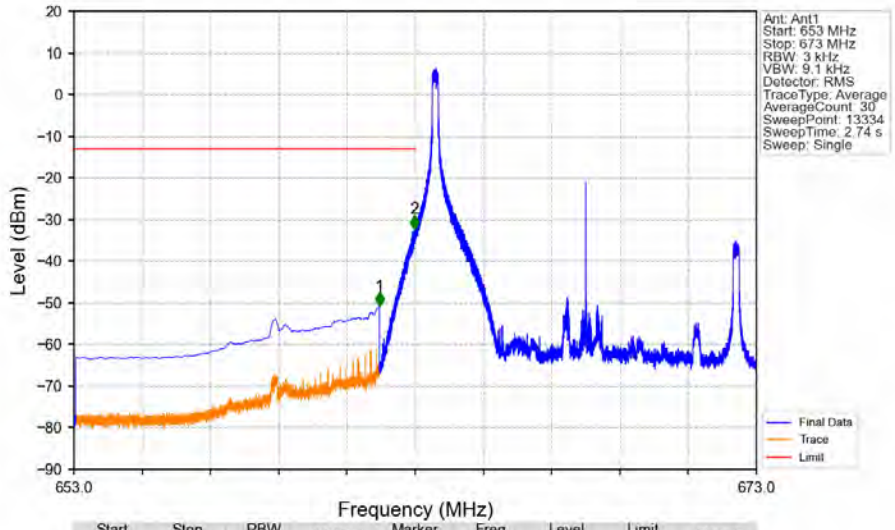
6.2 B71_10MHz

6.2.1 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

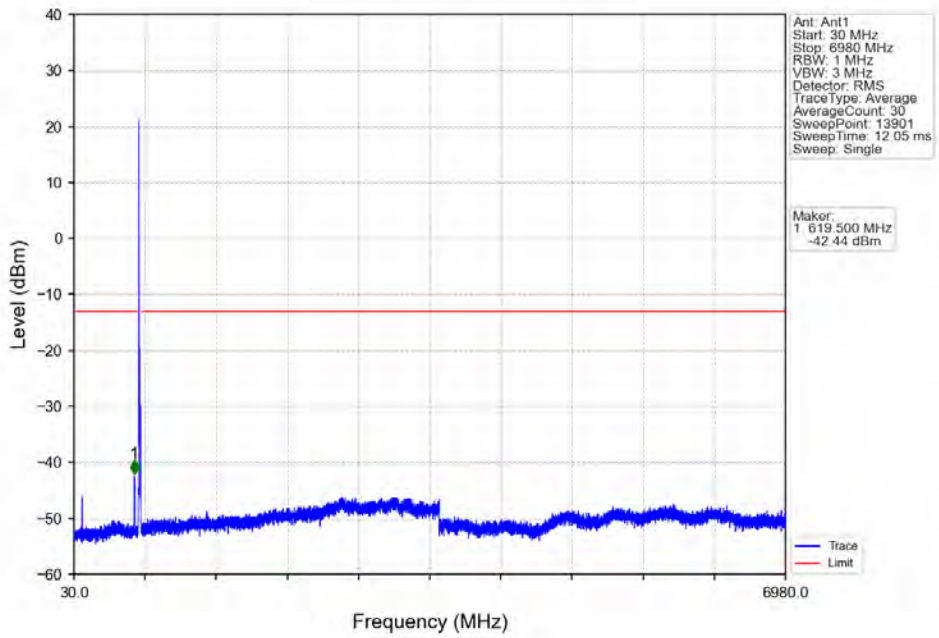
6.2.2 Test Graph

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

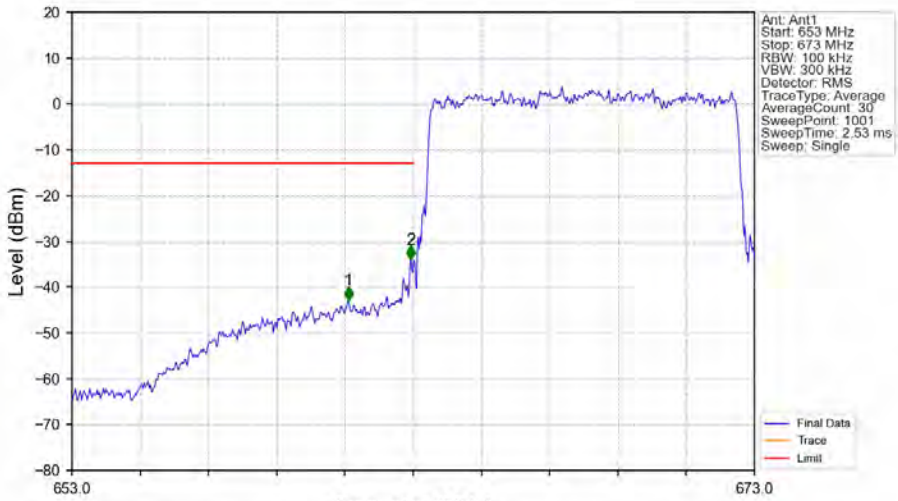


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.949	-50.83	-13	Pass
662	663	0.003	/	2	662.987	-32.32	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

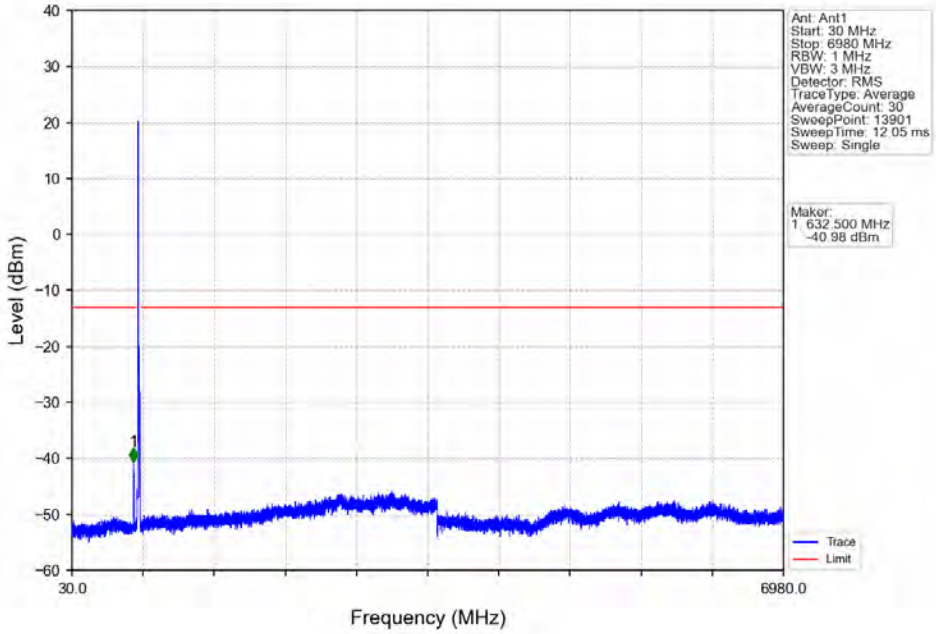


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

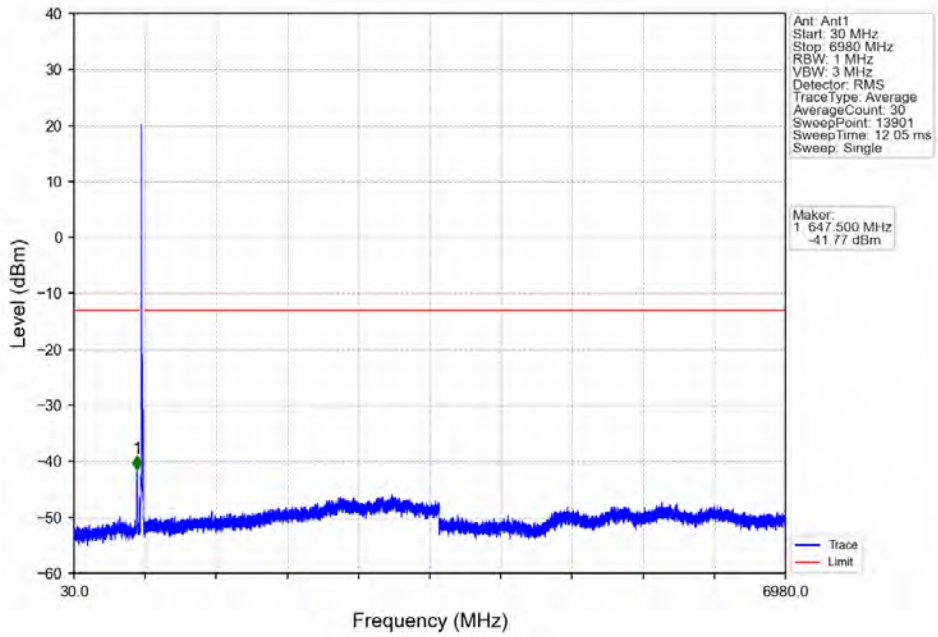


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.100	-42.88	-13	Pass
662	663	0.102	/	2	662.940	-33.92	-13	Pass
663	673	0.102	/	/	/	/	/	/

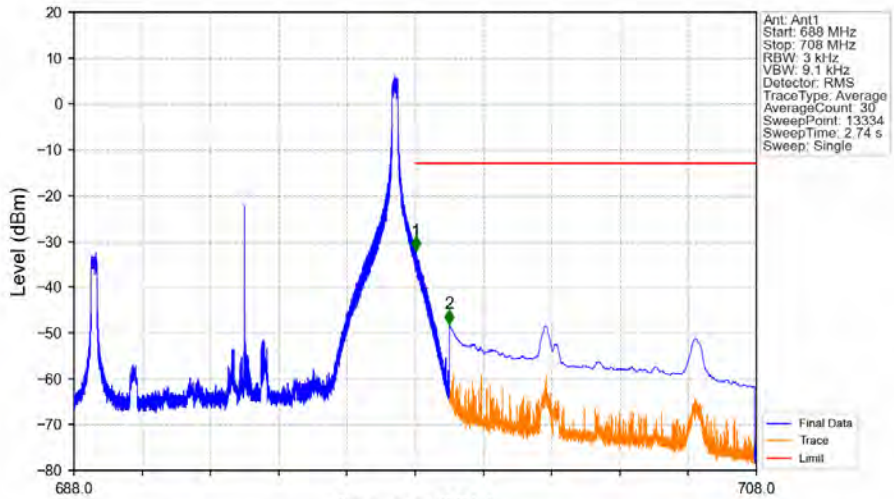
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

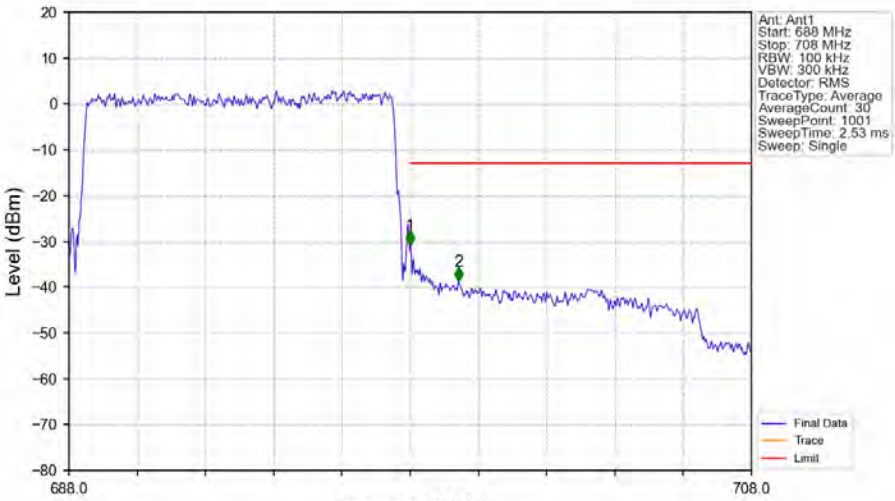


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



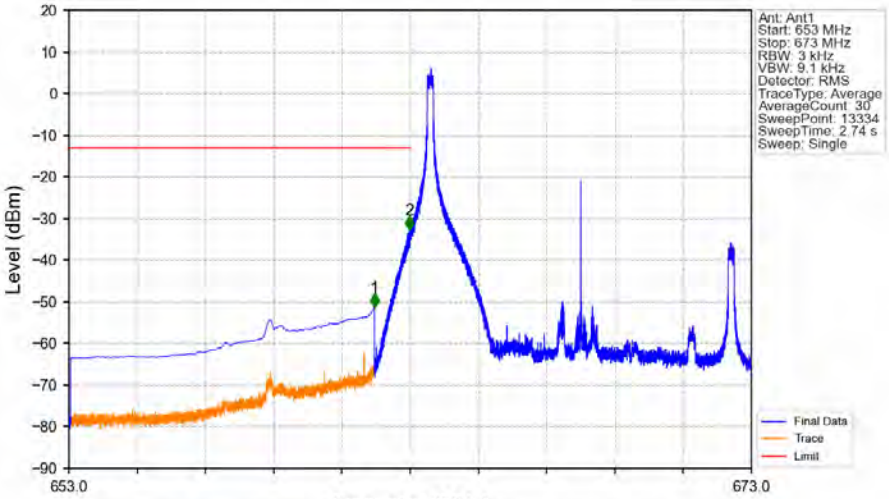
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.025	-32.09	-13	Pass
699	708	0.1	CHP	2	699.001	-48.01	-13	Pass

Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



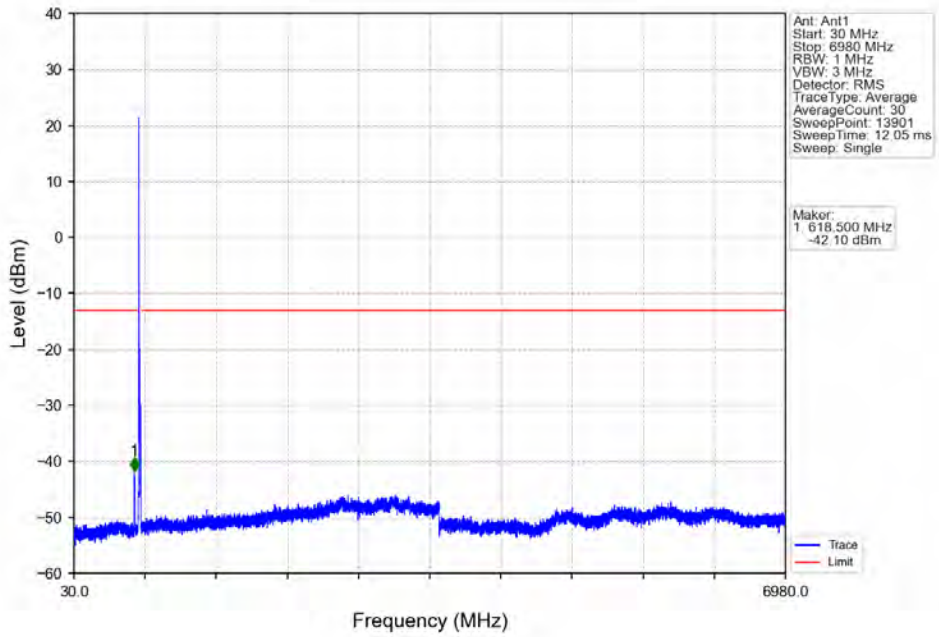
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.104	/	/	/	/	/	/
698	699	0.104	/	1	698.000	-30.78	-13	Pass
699	708	0.1	/	2	699.420	-38.69	-13	Pass

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

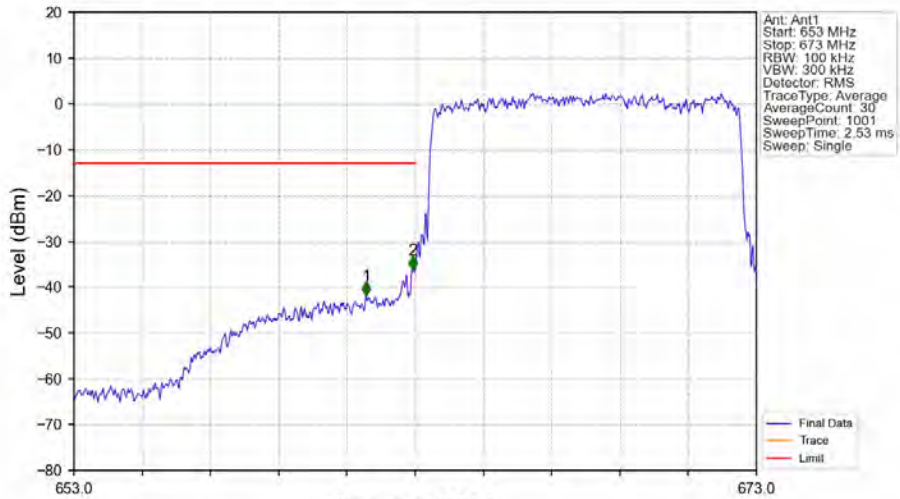


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	661.949	-51.41	-13	Pass
662	663	0.003	/	2	662.987	-32.72	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_16QAM_LCH_668MHz_RB_1_0_NTNV

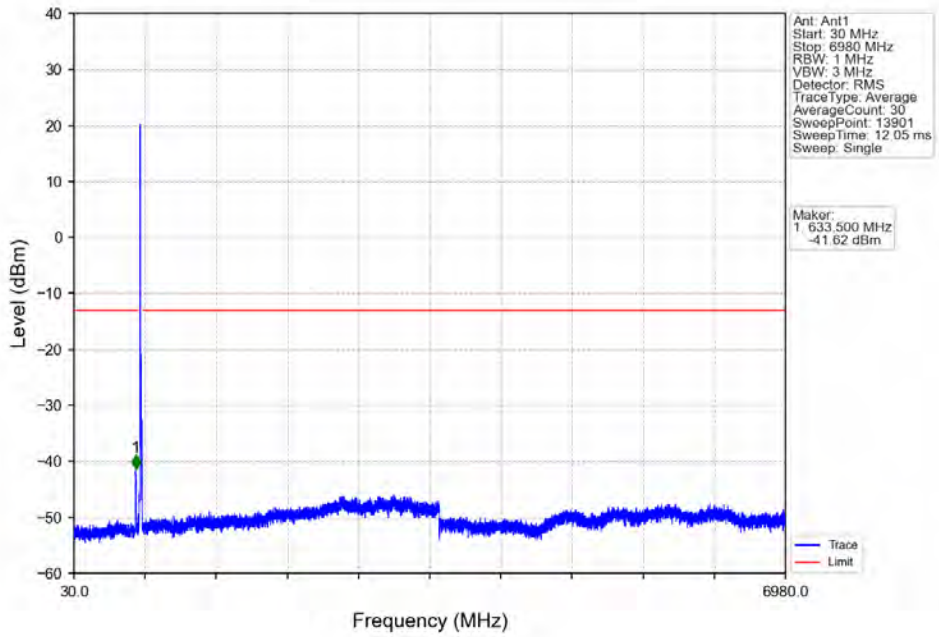


Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV

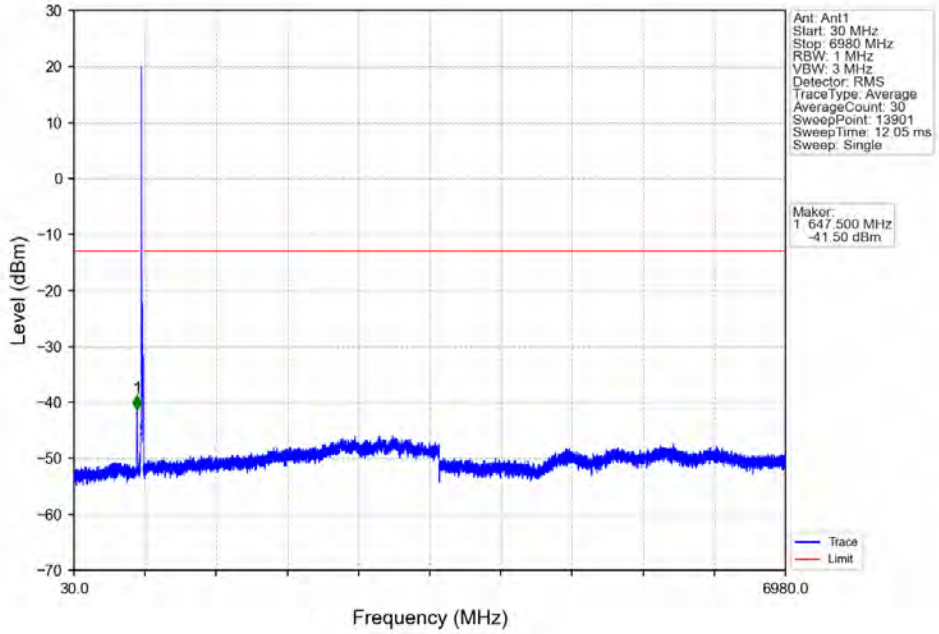


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.560	-41.89	-13	Pass
662	663	0.102	/	2	662.940	-36.24	-13	Pass
663	673	0.102	/	/	/	/	/	/

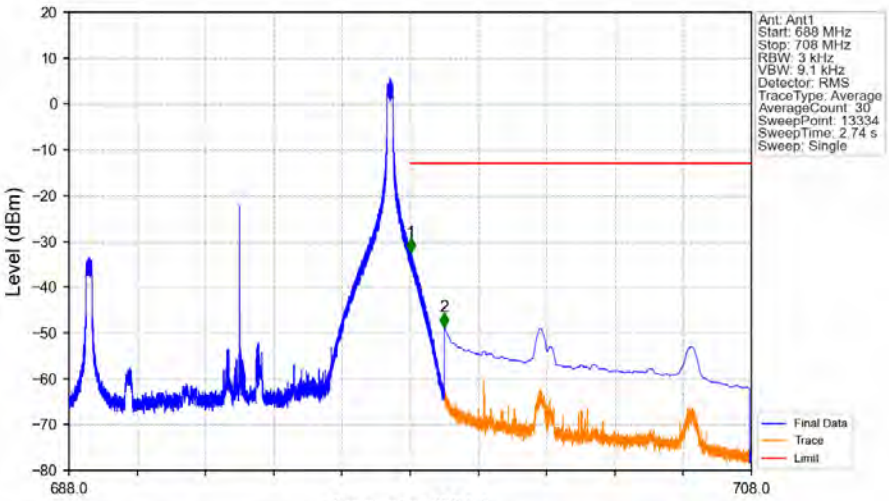
Band71_10MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_16QAM_HCH_693MHz_RB_1_0_NTNV

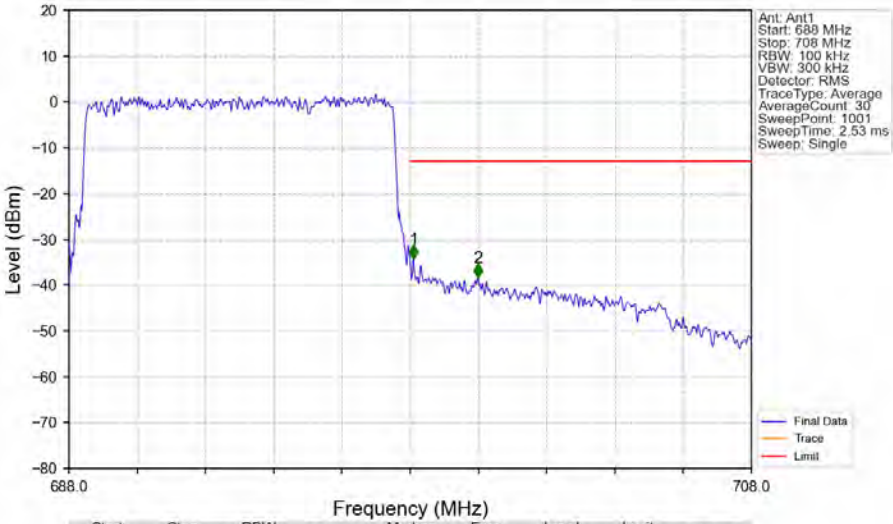


Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



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	698.016	-32.39	-13	Pass
699	708	0.1	CHP	2	699.001	-48.70	-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	0.109	/	/	/	/	/	/
698	699	0.109	/	1	698.100	-34.31	-13	Pass
699	708	0.1	/	2	699.980	-38.41	-13	Pass

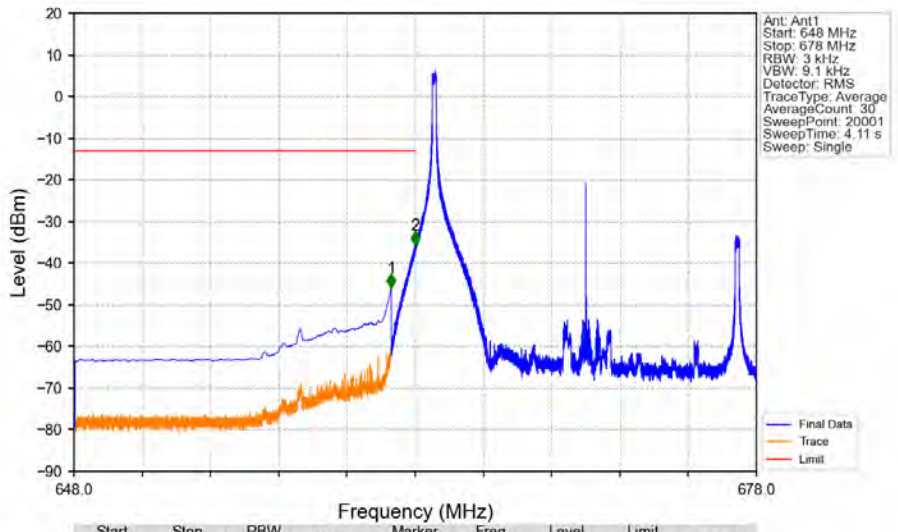
6.3 B71_15MHz

6.3.1 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

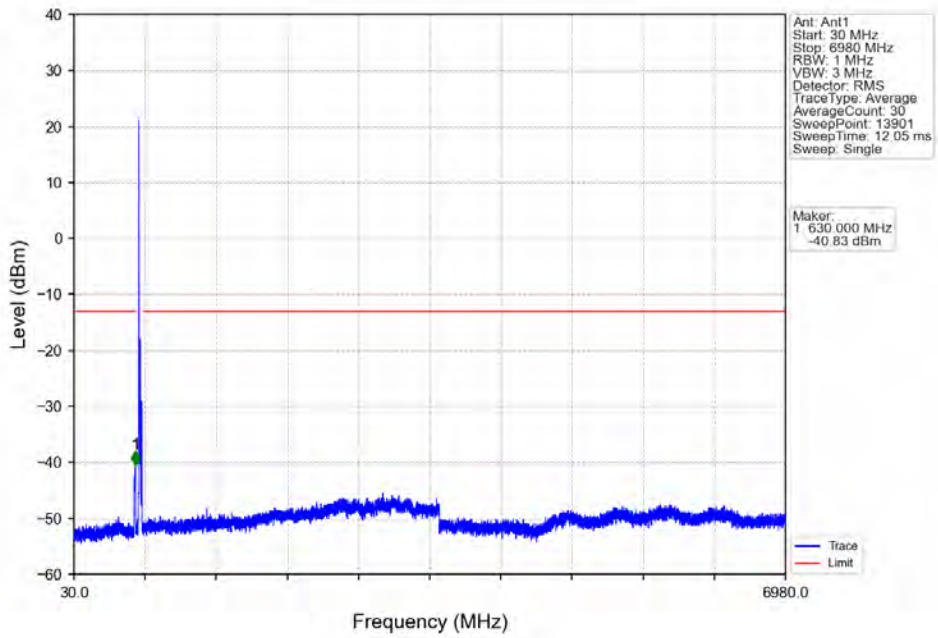
6.3.2 Test Graph

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

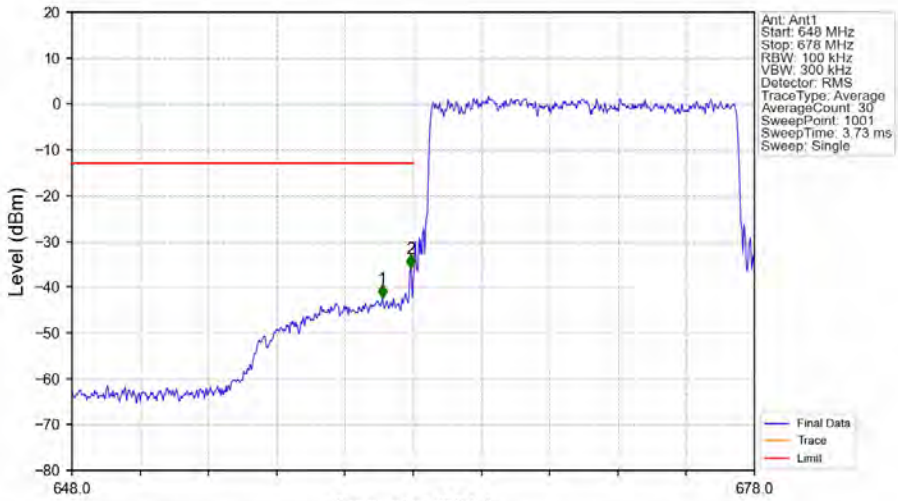


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.948	-45.97	-13	Pass
662	663	0.003	/	2	662.995	-35.73	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

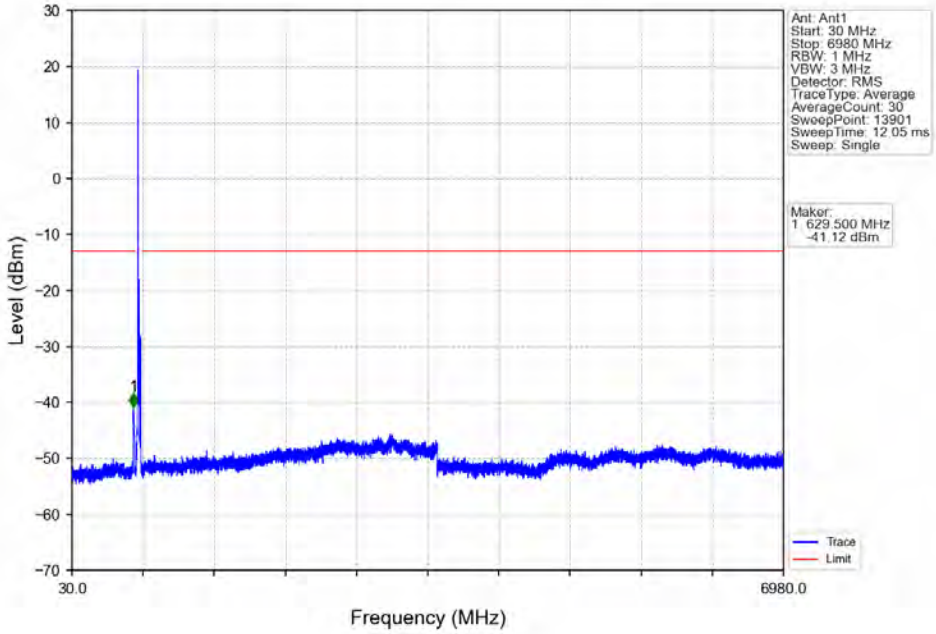


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

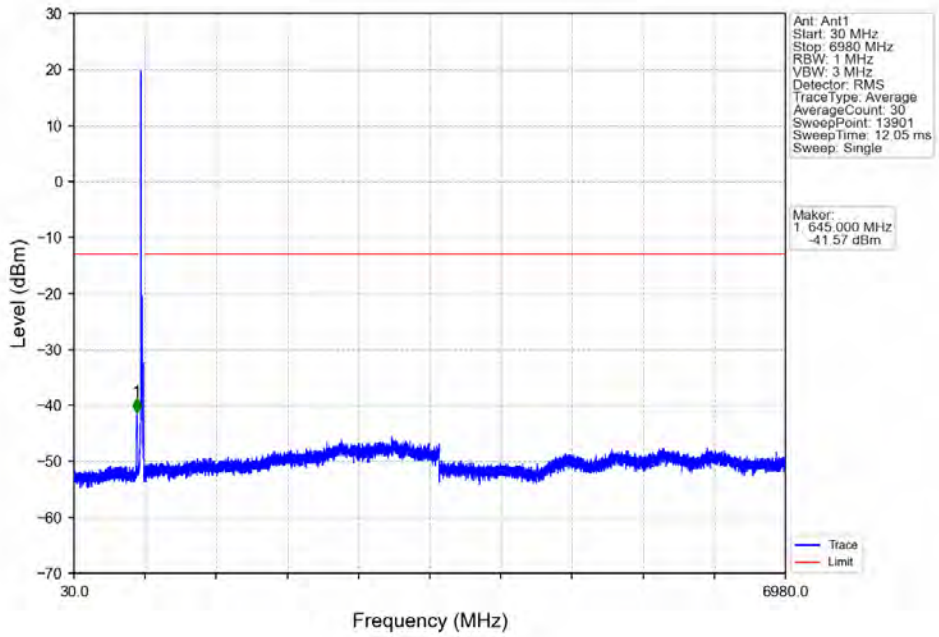


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.650	-42.45	-13	Pass
662	663	0.153	/	2	662.910	-35.90	-13	Pass
663	678	0.153	/	/	/	/	/	/

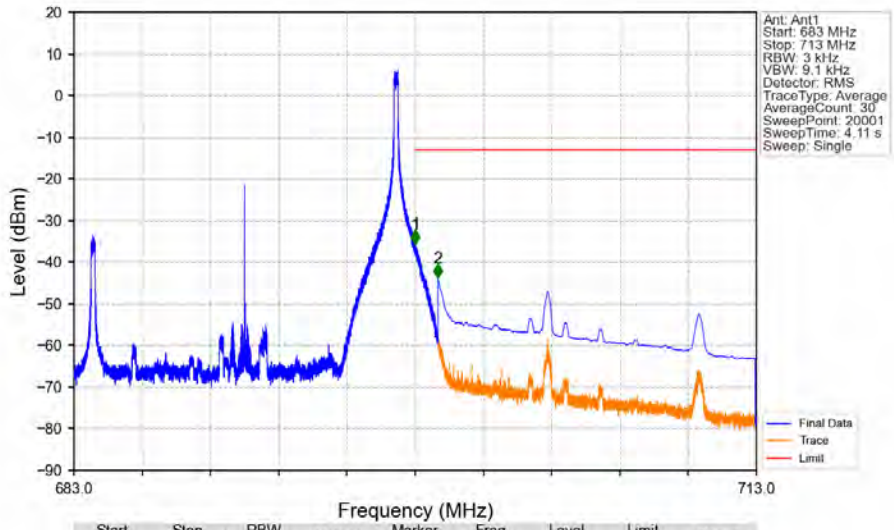
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

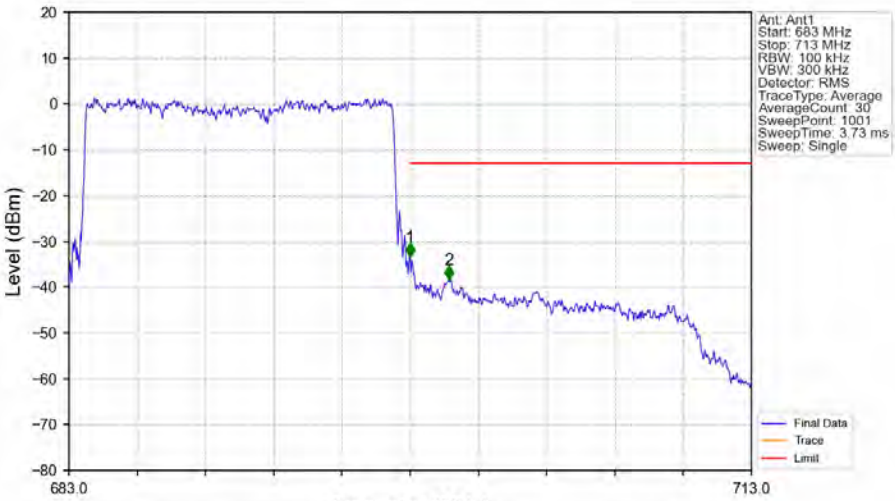


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



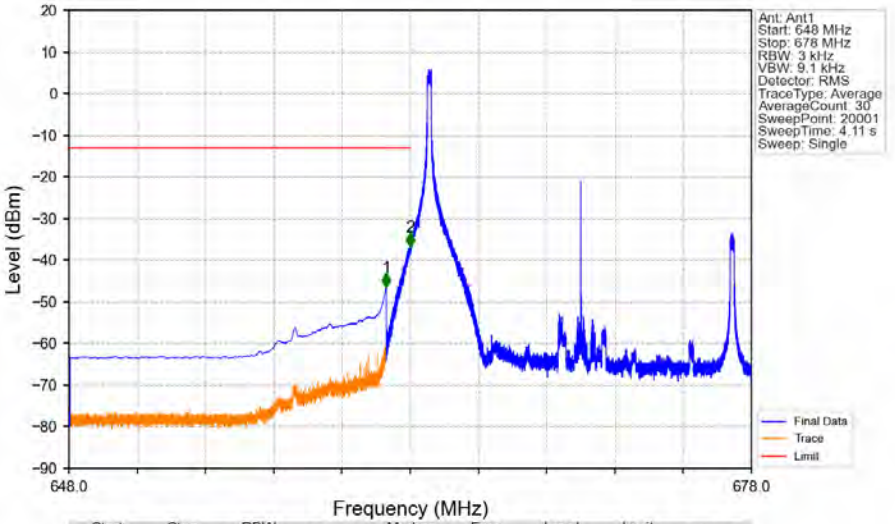
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.009	-35.74	-13	Pass
699	713	0.1	CHP	2	699.000	-43.91	-13	Pass

Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



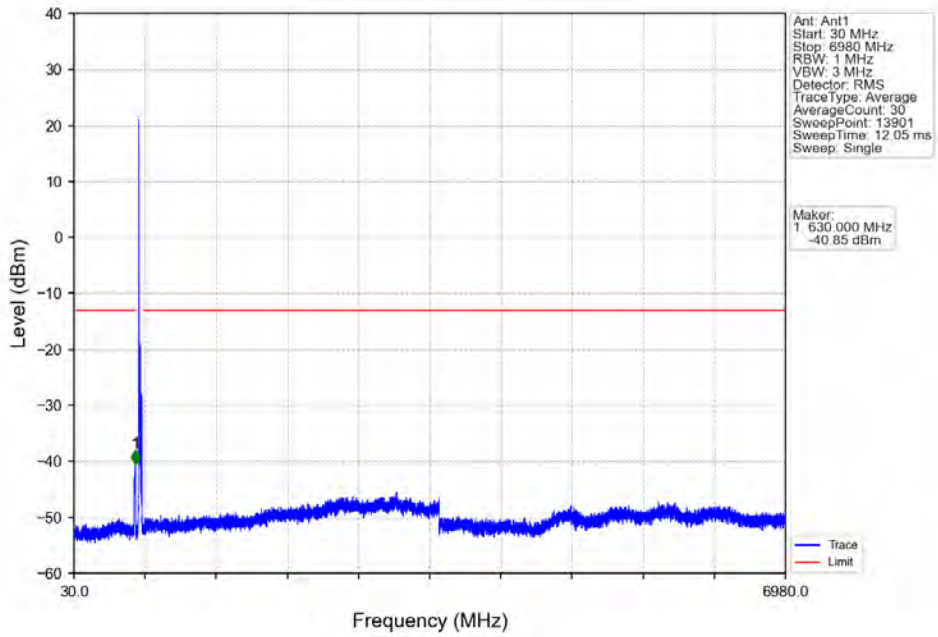
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.183	/	/	/	/	/	/
698	699	0.183	/	1	698.000	-33.46	-13	Pass
699	713	0.1	/	2	699.710	-38.35	-13	Pass

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

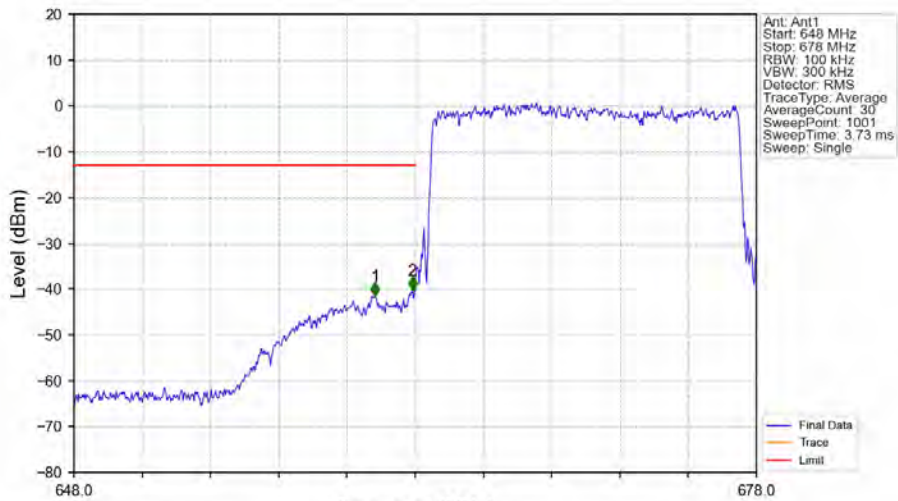


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.948	-46.58	-13	Pass
662	663	0.003	/	2	662.992	-36.87	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

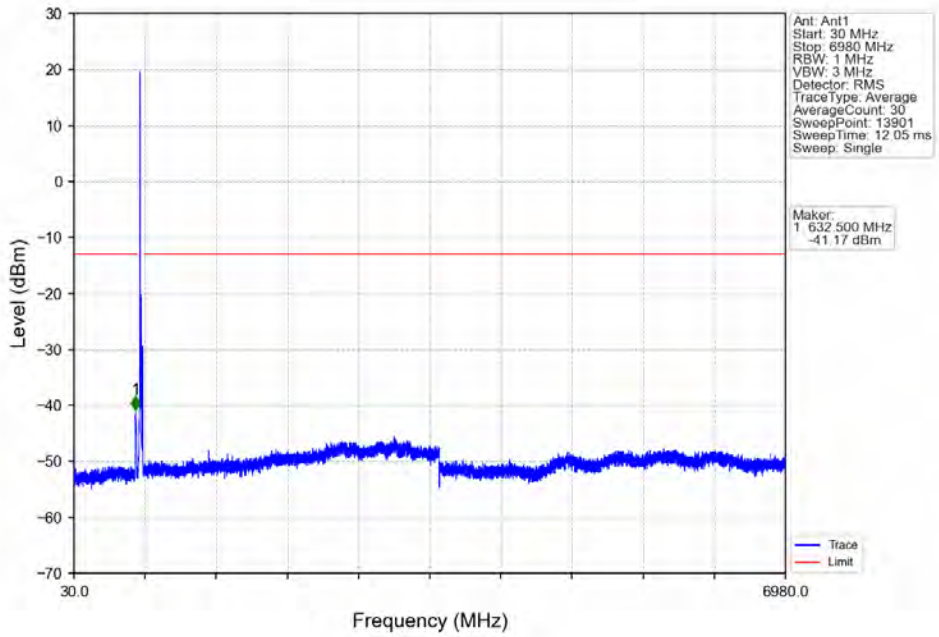


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

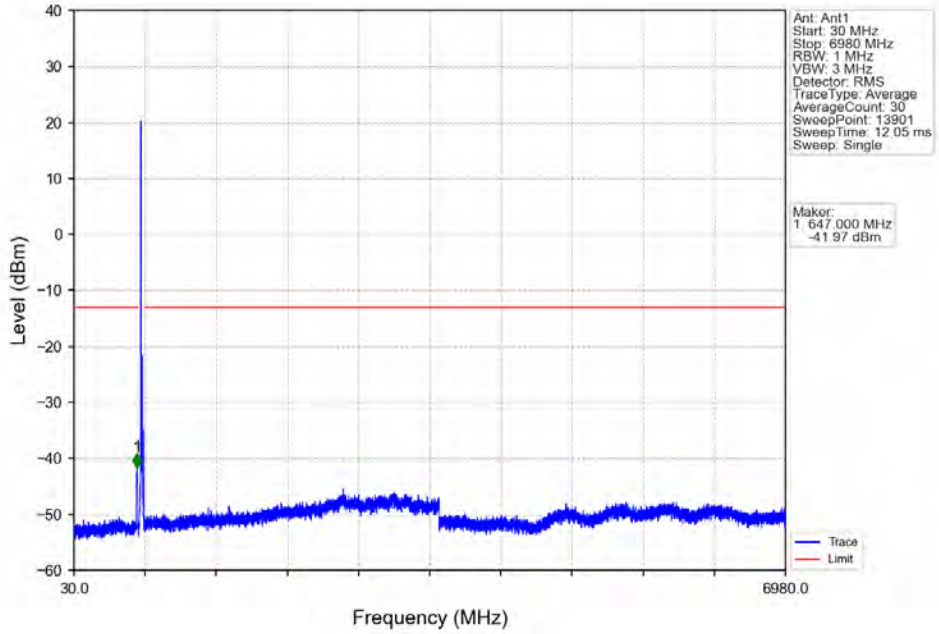


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.230	-41.52	-13	Pass
662	663	0.153	/	2	662.880	-40.30	-13	Pass
663	678	0.153	/	/	/	/	/	/

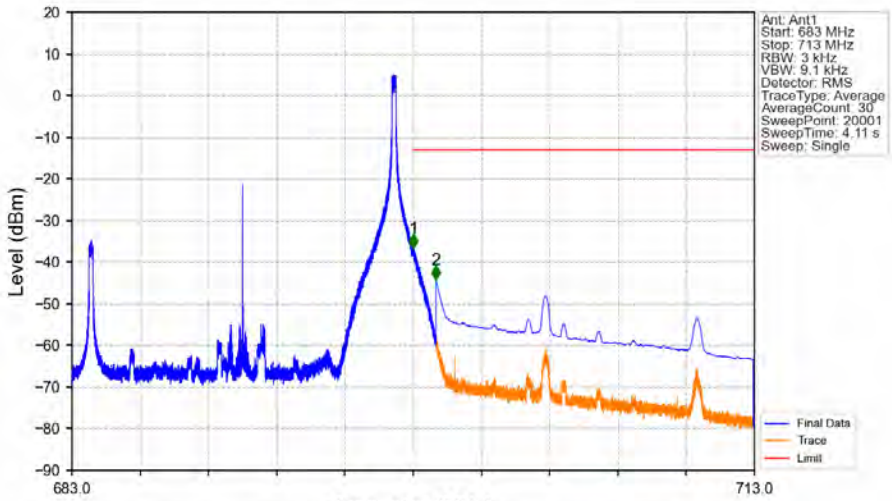
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_0_NTNV

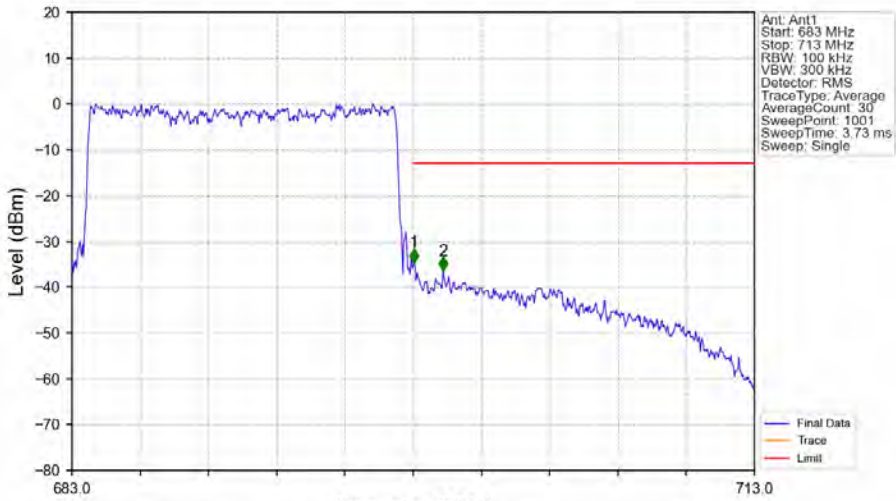


Band71_15MHz_16QAM_HCH_690.5MHz_RB_1_74_NTNV



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	698.005	-36.71	-13	Pass
699	713	0.1	CHP	2	699.000	-44.16	-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	0.154	/	/	/	/	/	/
698	699	0.154	/	1	698.030	-34.59	-13	Pass
699	713	0.1	/	2	699.320	-36.49	-13	Pass

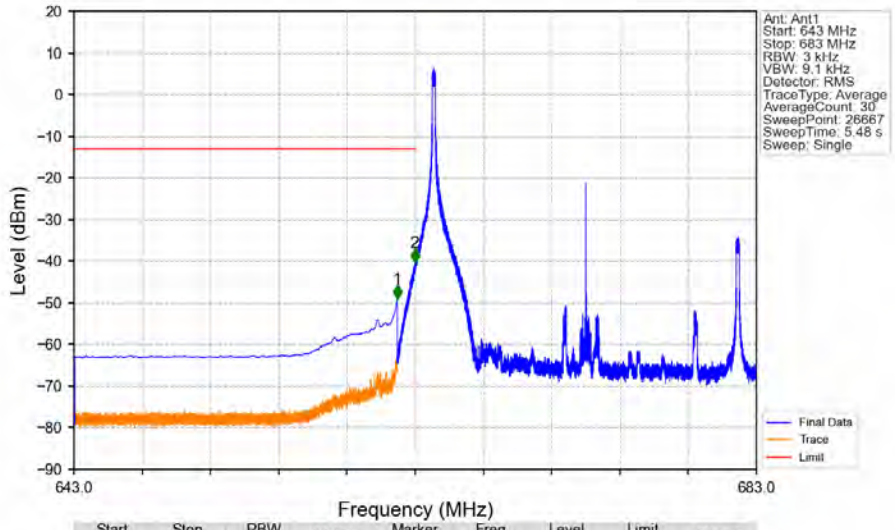
6.4 B71_20MHz

6.4.1 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

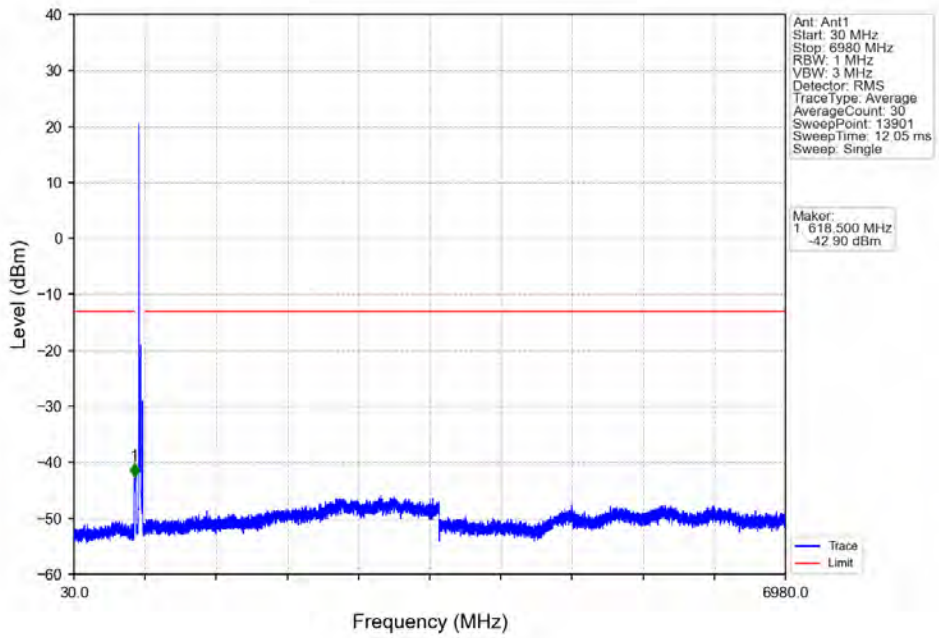
6.4.2 Test Graph

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

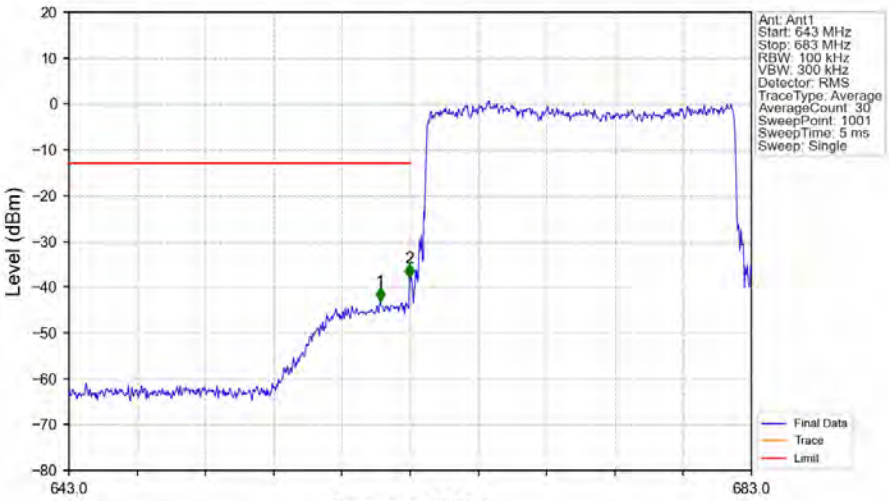


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.950	-49.01	-13	Pass
662	663	0.003	/	2	662.982	-40.29	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

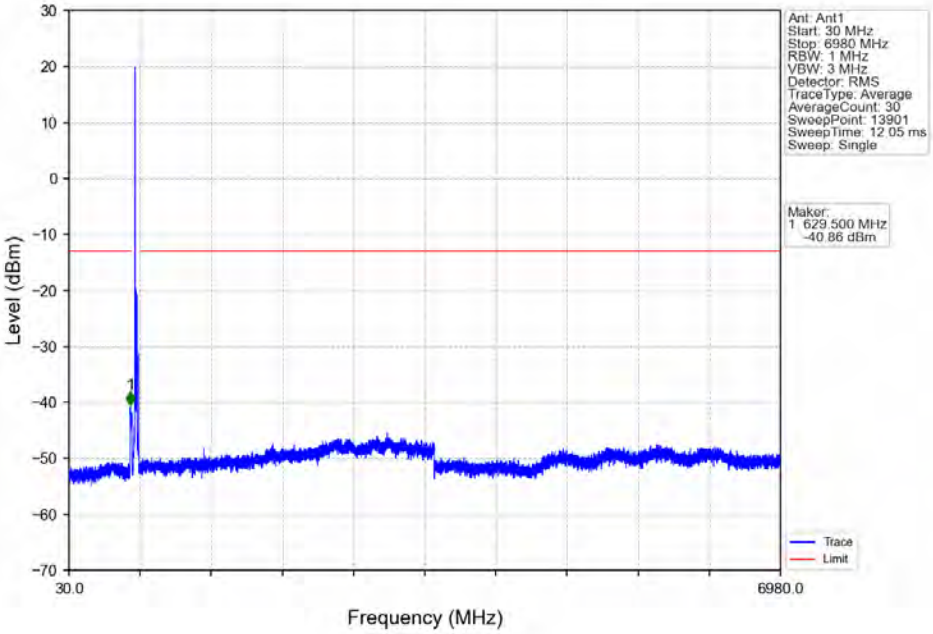


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

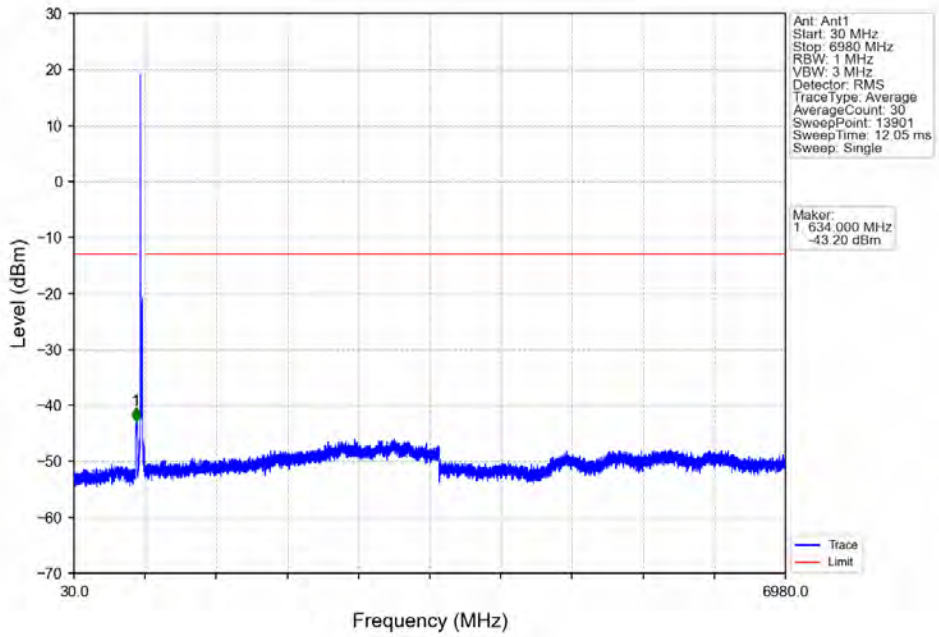


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.240	-43.21	-13	Pass
662	663	0.201	/	2	662.960	-38.06	-13	Pass
663	683	0.201	/	/	/	/	/	/

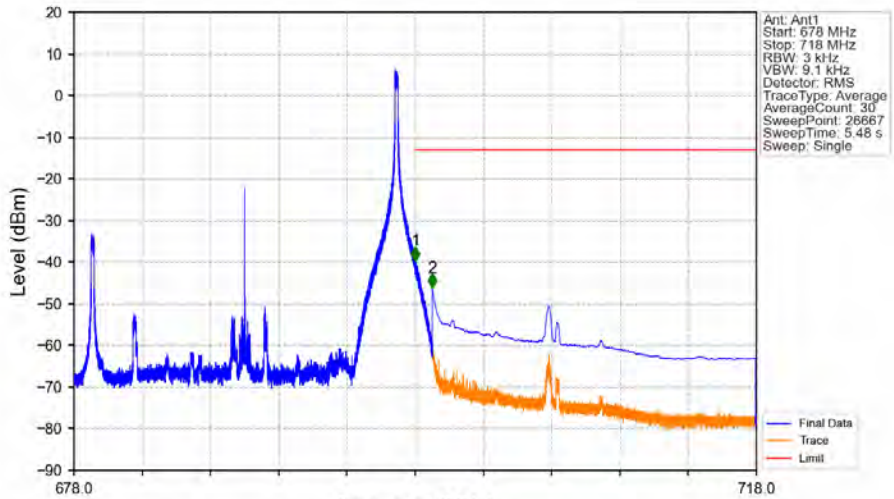
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

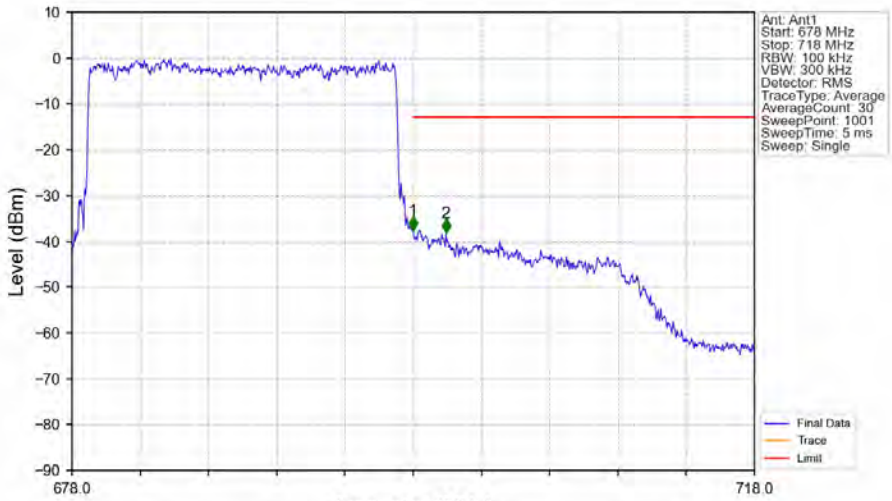


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



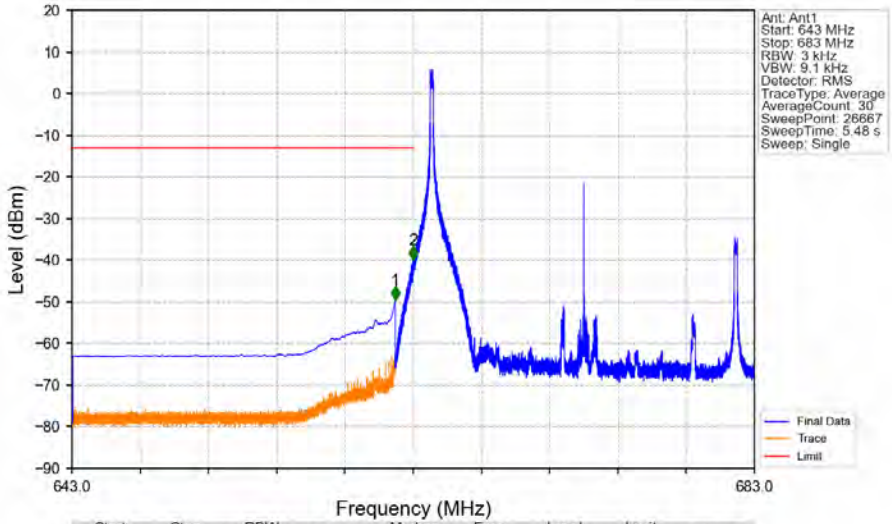
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.005	-39.67	-13	Pass
699	718	0.1	CHP	2	699.001	-46.10	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



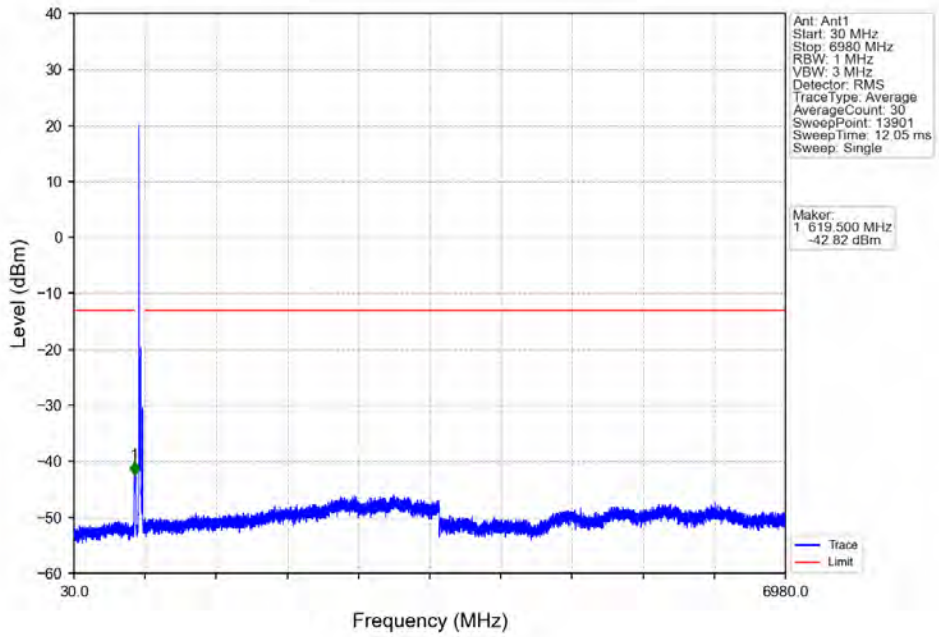
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.199	/	/	/	/	/	/
698	699	0.199	/	1	698.000	-37.65	-13	Pass
699	718	0.1	/	2	699.920	-38.18	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

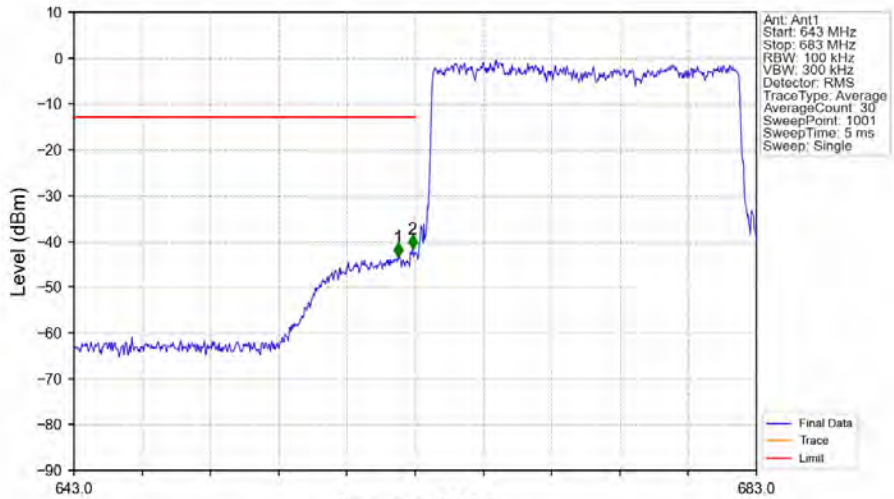


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.950	-49.67	-13	Pass
662	663	0.003	/	2	662.995	-40.03	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

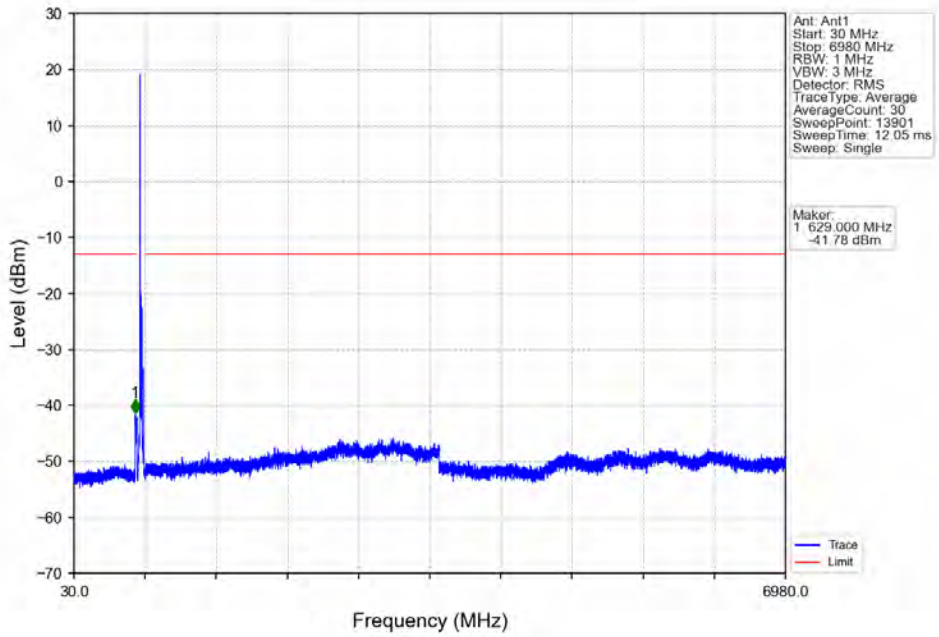


Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV

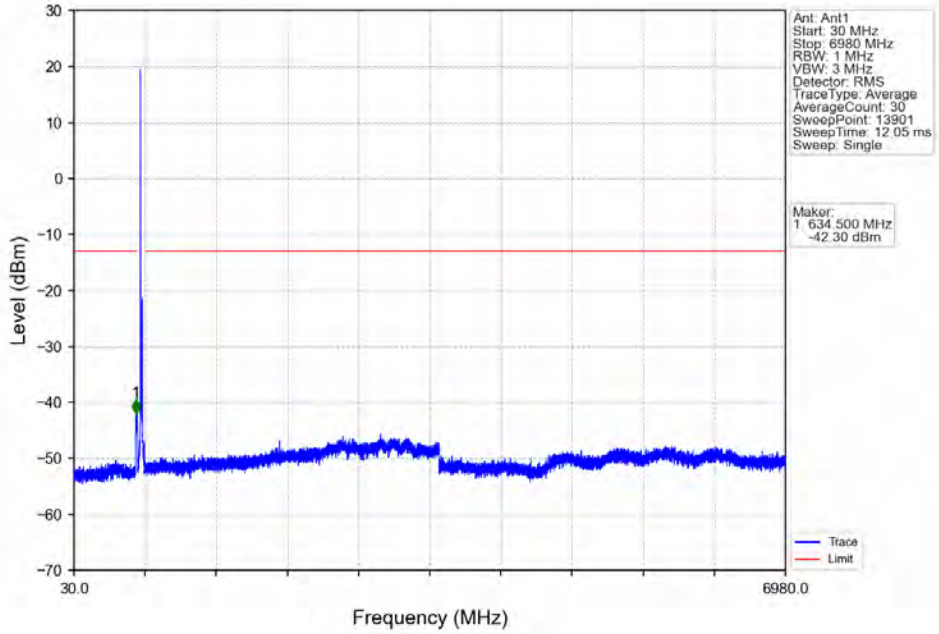


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	662.000	-43.42	-13	Pass
662	663	0.2	/	2	662.840	-41.62	-13	Pass
663	683	0.2	/	/	/	/	/	/

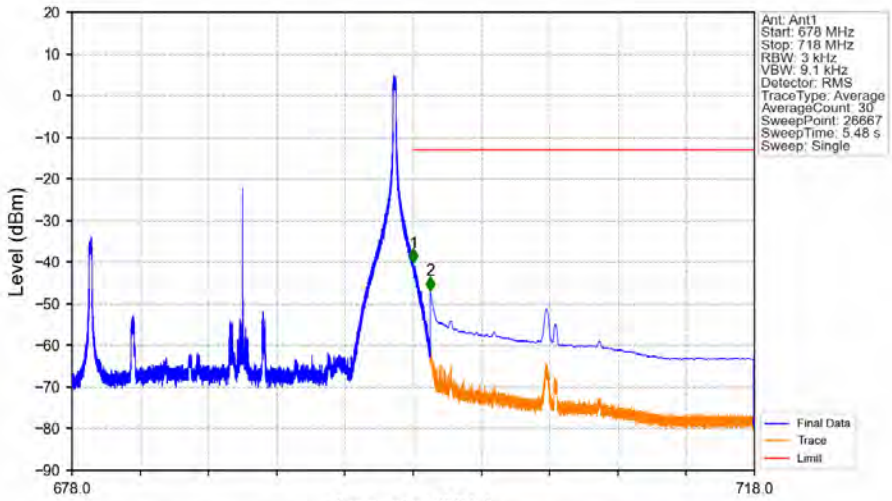
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_0_NTNV

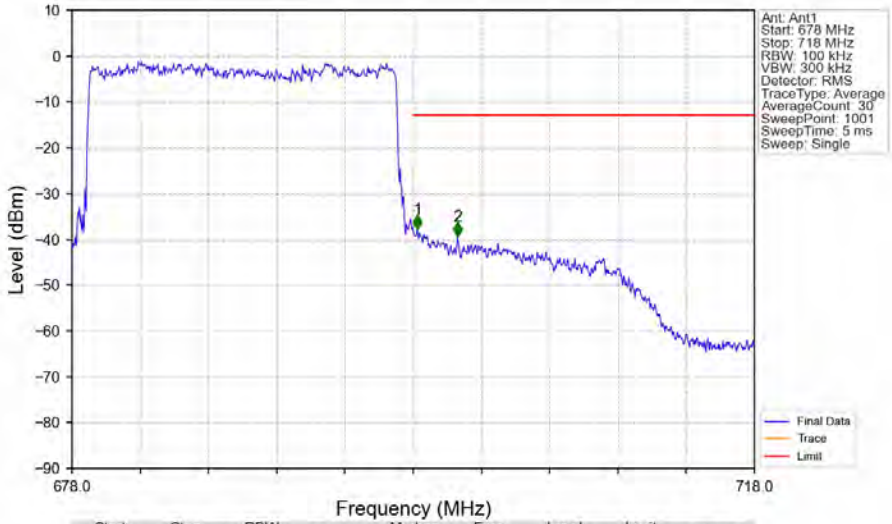


Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



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	698.005	-40.18	-13	Pass
699	718	0.1	CHP	2	699.001	-46.85	-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	0.201	/	/	/	/	/	/
698	699	0.201	/	1	698.240	-37.83	-13	Pass
699	718	0.1	/	2	700.600	-39.41	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.1156	0.0780	ppm	4M57G7D	27N	20.63
71	5	665.5	695.5	0.0927	0.0210	ppm	4M59W7D	27N	19.67
71	10	668	693	0.1189	0.0162	ppm	9M14G7D	27N	20.75
71	10	668	693	0.0993	0.0150	ppm	9M12W7D	27N	19.97
71	15	670.5	690.5	0.1159	0.0168	ppm	13M7G7D	27N	20.64
71	15	670.5	690.5	0.0899	0.0170	ppm	13M7W7D	27N	19.54
71	20	673	688	0.1151	0.0158	ppm	18M2G7D	27N	20.61
71	20	673	688	0.0991	0.0157	ppm	18M1W7D	27N	19.96

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.0267	0.0780	ppm	4M57G7D	27N	14.26
71	5	665.5	695.5	0.0214	0.0210	ppm	4M59W7D	27N	13.30
71	10	668	693	0.0274	0.0162	ppm	9M14G7D	27N	14.38
71	10	668	693	0.0229	0.0150	ppm	9M12W7D	27N	13.60
71	15	670.5	690.5	0.0267	0.0168	ppm	13M7G7D	27N	14.27
71	15	670.5	690.5	0.0207	0.0170	ppm	13M7W7D	27N	13.17
71	20	673	688	0.0265	0.0158	ppm	18M2G7D	27N	14.24
71	20	673	688	0.0229	0.0157	ppm	18M1W7D	27N	13.59