

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	19.94	0.41	18.2	<=34.77	Pass
			13	20.07	0.41	18.33	<=34.77	Pass
			24	19.94	0.41	18.2	<=34.77	Pass
		12	0	18.84	0.41	17.1	<=34.77	Pass
			6	19.00	0.41	17.26	<=34.77	Pass
			13	18.95	0.41	17.21	<=34.77	Pass
		25	0	18.90	0.41	17.16	<=34.77	Pass
	680.5	1	0	19.90	0.41	18.16	<=34.77	Pass
			13	20.00	0.41	18.26	<=34.77	Pass
			24	19.88	0.41	18.14	<=34.77	Pass
		12	0	18.90	0.41	17.16	<=34.77	Pass
			6	18.96	0.41	17.22	<=34.77	Pass
			13	18.89	0.41	17.15	<=34.77	Pass
		25	0	18.93	0.41	17.19	<=34.77	Pass
	695.5	1	0	19.82	0.41	18.08	<=34.77	Pass
			13	19.98	0.41	18.24	<=34.77	Pass
			24	19.91	0.41	18.17	<=34.77	Pass
		12	0	18.85	0.41	17.11	<=34.77	Pass
			6	18.94	0.41	17.2	<=34.77	Pass
			13	18.89	0.41	17.15	<=34.77	Pass
		25	0	18.91	0.41	17.17	<=34.77	Pass
16QAM	665.5	1	0	18.72	0.41	16.98	<=34.77	Pass
			13	18.83	0.41	17.09	<=34.77	Pass
			24	18.80	0.41	17.06	<=34.77	Pass
		12	0	17.86	0.41	16.12	<=34.77	Pass
			6	18.00	0.41	16.26	<=34.77	Pass
			13	17.92	0.41	16.18	<=34.77	Pass
		25	0	17.91	0.41	16.17	<=34.77	Pass
	680.5	1	0	18.95	0.41	17.21	<=34.77	Pass
			13	19.06	0.41	17.32	<=34.77	Pass
			24	18.97	0.41	17.23	<=34.77	Pass
		12	0	17.86	0.41	16.12	<=34.77	Pass
			6	17.94	0.41	16.2	<=34.77	Pass
			13	17.90	0.41	16.16	<=34.77	Pass
		25	0	17.93	0.41	16.19	<=34.77	Pass
	695.5	1	0	19.00	0.41	17.26	<=34.77	Pass
			13	19.19	0.41	17.45	<=34.77	Pass
			24	19.11	0.41	17.37	<=34.77	Pass
		12	0	17.90	0.41	16.16	<=34.77	Pass
			6	17.98	0.41	16.24	<=34.77	Pass
			13	17.92	0.41	16.18	<=34.77	Pass
		25	0	17.87	0.41	16.13	<=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 / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	19.99	0.41	18.25	<=34.77	Pass
			25	20.29	0.41	18.55	<=34.77	Pass
			49	20.09	0.41	18.35	<=34.77	Pass
		25	0	19.01	0.41	17.27	<=34.77	Pass
			13	19.11	0.41	17.37	<=34.77	Pass
			25	19.15	0.41	17.41	<=34.77	Pass
		50	0	19.07	0.41	17.33	<=34.77	Pass
	680.5	1	0	19.92	0.41	18.18	<=34.77	Pass
			25	20.12	0.41	18.38	<=34.77	Pass
			49	19.90	0.41	18.16	<=34.77	Pass
		25	0	19.02	0.41	17.28	<=34.77	Pass
			13	19.07	0.41	17.33	<=34.77	Pass
			25	18.97	0.41	17.23	<=34.77	Pass
		50	0	18.98	0.41	17.24	<=34.77	Pass
	693	1	0	19.85	0.41	18.11	<=34.77	Pass
			25	20.10	0.41	18.36	<=34.77	Pass
			49	19.95	0.41	18.21	<=34.77	Pass
		25	0	18.93	0.41	17.19	<=34.77	Pass
			13	19.01	0.41	17.27	<=34.77	Pass
			25	18.98	0.41	17.24	<=34.77	Pass
		50	0	18.99	0.41	17.25	<=34.77	Pass
16QAM	668	1	0	18.92	0.41	17.18	<=34.77	Pass
			25	19.22	0.41	17.48	<=34.77	Pass
			49	19.02	0.41	17.28	<=34.77	Pass
		25	0	18.04	0.41	16.3	<=34.77	Pass
			13	18.13	0.41	16.39	<=34.77	Pass
			25	18.19	0.41	16.45	<=34.77	Pass
		50	0	18.05	0.41	16.31	<=34.77	Pass
	680.5	1	0	19.04	0.41	17.3	<=34.77	Pass
			25	19.27	0.41	17.53	<=34.77	Pass
			49	19.02	0.41	17.28	<=34.77	Pass
		25	0	17.98	0.41	16.24	<=34.77	Pass
			13	18.04	0.41	16.3	<=34.77	Pass
			25	17.98	0.41	16.24	<=34.77	Pass
	50	0	18.00	0.41	16.26	<=34.77	Pass	
	693	1	0	19.32	0.41	17.58	<=34.77	Pass
			25	19.54	0.41	17.8	<=34.77	Pass
			49	19.41	0.41	17.67	<=34.77	Pass
		25	0	17.95	0.41	16.21	<=34.77	Pass
13			18.02	0.41	16.28	<=34.77	Pass	
25			17.96	0.41	16.22	<=34.77	Pass	
50		0	17.93	0.41	16.19	<=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	19.79	0.41	18.05	<=34.77	Pass	
			38	20.05	0.41	18.31	<=34.77	Pass	
			74	19.85	0.41	18.11	<=34.77	Pass	
		36	0	19.02	0.41	17.28	<=34.77	Pass	
			18	19.05	0.41	17.31	<=34.77	Pass	
			39	19.09	0.41	17.35	<=34.77	Pass	
		75	0	19.08	0.41	17.34	<=34.77	Pass	
		680.5	1	0	19.77	0.41	18.03	<=34.77	Pass
				38	19.96	0.41	18.22	<=34.77	Pass
	74			19.85	0.41	18.11	<=34.77	Pass	
	36		0	18.95	0.41	17.21	<=34.77	Pass	
			18	18.97	0.41	17.23	<=34.77	Pass	
			39	18.93	0.41	17.19	<=34.77	Pass	
	75	0	18.95	0.41	17.21	<=34.77	Pass		
	690.5	1	0	19.68	0.41	17.94	<=34.77	Pass	
			38	19.94	0.41	18.2	<=34.77	Pass	
			74	19.84	0.41	18.1	<=34.77	Pass	
		36	0	18.93	0.41	17.19	<=34.77	Pass	
			18	18.98	0.41	17.24	<=34.77	Pass	
			39	18.95	0.41	17.21	<=34.77	Pass	
		75	0	18.99	0.41	17.25	<=34.77	Pass	
16QAM		670.5	1	0	18.91	0.41	17.17	<=34.77	Pass
	38			19.19	0.41	17.45	<=34.77	Pass	
	74			18.98	0.41	17.24	<=34.77	Pass	
	36		0	17.98	0.41	16.24	<=34.77	Pass	
			18	18.03	0.41	16.29	<=34.77	Pass	
			39	18.06	0.41	16.32	<=34.77	Pass	
	75		0	18.02	0.41	16.28	<=34.77	Pass	
	680.5	1	0	19.31	0.41	17.57	<=34.77	Pass	
			38	19.49	0.41	17.75	<=34.77	Pass	
			74	19.29	0.41	17.55	<=34.77	Pass	
		36	0	17.94	0.41	16.2	<=34.77	Pass	
			18	18.01	0.41	16.27	<=34.77	Pass	
			39	17.94	0.41	16.2	<=34.77	Pass	
	75	0	17.92	0.41	16.18	<=34.77	Pass		
	690.5	1	0	19.02	0.41	17.28	<=34.77	Pass	
			38	19.23	0.41	17.49	<=34.77	Pass	
			74	19.12	0.41	17.38	<=34.77	Pass	
		36	0	17.90	0.41	16.16	<=34.77	Pass	
			18	17.92	0.41	16.18	<=34.77	Pass	
			39	17.93	0.41	16.19	<=34.77	Pass	
		75	0	17.90	0.41	16.16	<=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 / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	19.65	0.41	17.91	<=34.77	Pass
			50	20.22	0.41	18.48	<=34.77	Pass
			99	19.74	0.41	18	<=34.77	Pass
		50	0	18.97	0.41	17.23	<=34.77	Pass
			25	19.03	0.41	17.29	<=34.77	Pass
			50	19.07	0.41	17.33	<=34.77	Pass
		100	0	19.02	0.41	17.28	<=34.77	Pass
	683	1	0	19.61	0.41	17.87	<=34.77	Pass
			50	20.07	0.41	18.33	<=34.77	Pass
			99	19.65	0.41	17.91	<=34.77	Pass
		50	0	19.00	0.41	17.26	<=34.77	Pass
			25	18.96	0.41	17.22	<=34.77	Pass
			50	18.96	0.41	17.22	<=34.77	Pass
		100	0	19.00	0.41	17.26	<=34.77	Pass
	688	1	0	19.58	0.41	17.84	<=34.77	Pass
			50	20.12	0.41	18.38	<=34.77	Pass
			99	19.72	0.41	17.98	<=34.77	Pass
		50	0	18.98	0.41	17.24	<=34.77	Pass
			25	18.91	0.41	17.17	<=34.77	Pass
			50	19.01	0.41	17.27	<=34.77	Pass
		100	0	18.97	0.41	17.23	<=34.77	Pass
16QAM	673	1	0	18.86	0.41	17.12	<=34.77	Pass
			50	19.40	0.41	17.66	<=34.77	Pass
			99	18.94	0.41	17.2	<=34.77	Pass
		50	0	17.90	0.41	16.16	<=34.77	Pass
			25	17.97	0.41	16.23	<=34.77	Pass
			50	18.01	0.41	16.27	<=34.77	Pass
		100	0	17.98	0.41	16.24	<=34.77	Pass
	683	1	0	19.13	0.41	17.39	<=34.77	Pass
			50	19.61	0.41	17.87	<=34.77	Pass
			99	19.14	0.41	17.4	<=34.77	Pass
		50	0	17.97	0.41	16.23	<=34.77	Pass
			25	17.93	0.41	16.19	<=34.77	Pass
			50	17.95	0.41	16.21	<=34.77	Pass
		100	0	17.98	0.41	16.24	<=34.77	Pass
	688	1	0	18.75	0.41	17.01	<=34.77	Pass
			50	19.24	0.41	17.5	<=34.77	Pass
			99	18.84	0.41	17.1	<=34.77	Pass
		50	0	17.95	0.41	16.21	<=34.77	Pass
			25	17.87	0.41	16.13	<=34.77	Pass
			50	17.98	0.41	16.24	<=34.77	Pass
		100	0	17.93	0.41	16.19	<=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	-6.580	-0.0099	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0113	-2.5 to 2.5	Pass
					4.43	-8.068	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-7.796	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-8.698	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-9.313	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-10.414	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-7.381	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0104	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-5.121	-0.0075	-2.5 to 2.5	Pass
					3.85	-7.067	-0.0104	-2.5 to 2.5	Pass
					4.43	-10.786	-0.0159	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.739	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-7.224	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-9.985	-0.0147	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-3.819	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0091	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-9.527	-0.0137	-2.5 to 2.5	Pass
					3.85	-10.157	-0.0146	-2.5 to 2.5	Pass
					4.43	-4.220	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-8.254	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-8.297	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-6.351	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-5.736	-0.0082	-2.5 to 2.5	Pass
				40	3.85	-6.852	-0.0099	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-4.706	-0.0071	-2.5 to 2.5	Pass
					3.85	-8.311	-0.0125	-2.5 to 2.5	Pass
					4.43	-8.039	-0.0121	-2.5 to 2.5	Pass
				-30	3.85	-7.725	-0.0116	-2.5 to 2.5	Pass
				-20	3.85	-6.065	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-8.669	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-7.367	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0043	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-7.396	-0.0109	-2.5 to 2.5	Pass
					3.85	-12.045	-0.0177	-2.5 to 2.5	Pass

					4.43	-12.031	-0.0177	-2.5 to 2.5	Pass
				-30	3.85	-11.129	-0.0164	-2.5 to 2.5	Pass
				-20	3.85	-8.125	-0.0119	-2.5 to 2.5	Pass
				-10	3.85	-8.311	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-8.941	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-6.623	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-2.174	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.237	-0.0092	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-9.942	-0.0143	-2.5 to 2.5	Pass
					3.85	-5.994	-0.0086	-2.5 to 2.5	Pass
					4.43	-8.826	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-8.569	-0.0123	-2.5 to 2.5	Pass
				-20	3.85	-7.424	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-5.536	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-8.397	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-9.742	-0.0140	-2.5 to 2.5	Pass
				40	3.85	-7.768	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-9.542	-0.0137	-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	-7.367	-0.0110	-2.5 to 2.5	Pass
					3.85	-6.323	-0.0095	-2.5 to 2.5	Pass
					4.43	-5.178	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-9.828	-0.0147	-2.5 to 2.5	Pass
				-10	3.85	-5.193	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-5.407	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-6.595	-0.0099	-2.5 to 2.5	Pass
				30	3.85	-7.324	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-6.809	-0.0102	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0057	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-7.052	-0.0104	-2.5 to 2.5	Pass
					3.85	-8.726	-0.0128	-2.5 to 2.5	Pass
					4.43	-9.170	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-10.285	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	-8.740	-0.0128	-2.5 to 2.5	Pass
				-10	3.85	-7.753	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-9.871	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-10.242	-0.0151	-2.5 to 2.5	Pass
				30	3.85	-9.799	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-8.426	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-9.055	-0.0133	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-2.589	-0.0037	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0078	-2.5 to 2.5	Pass
					4.43	-10.800	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-10.457	-0.0151	-2.5 to 2.5	Pass

16QAM	668	50	0	-10	3.85	-8.254	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-10.157	-0.0147	-2.5 to 2.5	Pass
				10	3.85	-3.576	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-11.473	-0.0166	-2.5 to 2.5	Pass
				50	3.85	-6.108	-0.0088	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-6.781	-0.0102	-2.5 to 2.5	Pass
					3.85	-9.241	-0.0138	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-8.583	-0.0128	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-6.108	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-9.642	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-11.015	-0.0165	-2.5 to 2.5	Pass
				40	3.85	-5.579	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-6.781	-0.0102	-2.5 to 2.5	Pass
				20	3.27	-11.501	-0.0169	-2.5 to 2.5	Pass
					3.85	-4.807	-0.0071	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-10.529	-0.0155	-2.5 to 2.5	Pass
				0	3.85	-9.098	-0.0134	-2.5 to 2.5	Pass
				10	3.85	-10.629	-0.0156	-2.5 to 2.5	Pass
				30	3.85	-9.685	-0.0142	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0111	-2.5 to 2.5	Pass
				50	3.85	-7.339	-0.0108	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-7.997	-0.0115	-2.5 to 2.5	Pass
					3.85	-10.972	-0.0158	-2.5 to 2.5	Pass
					4.43	-5.093	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-6.037	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-6.466	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-8.540	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-8.912	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-12.274	-0.0177	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0133	-2.5 to 2.5	Pass
				50	3.85	-10.986	-0.0159	-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	-2.961	-0.0044	-2.5 to 2.5	Pass
					3.85	-8.254	-0.0123	-2.5 to 2.5	Pass
					4.43	-7.625	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0107	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-8.883	-0.0132	-2.5 to 2.5	Pass
				10	3.85	-8.268	-0.0123	-2.5 to 2.5	Pass

	680.5	75	0	30	3.85	-9.041	-0.0135	-2.5 to 2.5	Pass
				40	3.85	-8.554	-0.0128	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0085	-2.5 to 2.5	Pass
				20	3.27	-8.712	-0.0128	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0110	-2.5 to 2.5	Pass
					4.43	-10.886	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-4.921	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-6.123	-0.0090	-2.5 to 2.5	Pass
	690.5	75	0	0	3.85	-7.896	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-8.297	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-3.533	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-7.811	-0.0115	-2.5 to 2.5	Pass
				20	3.27	-5.236	-0.0076	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0077	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-8.140	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-3.147	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.410	-0.0107	-2.5 to 2.5	Pass
				10	3.85	-3.247	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-9.141	-0.0132	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0073	-2.5 to 2.5	Pass
16QAM	670.5	75	0	20	3.27	-5.794	-0.0086	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0116	-2.5 to 2.5	Pass
					4.43	-8.726	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-3.591	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-6.924	-0.0103	-2.5 to 2.5	Pass
	680.5	75	0	40	3.85	-8.426	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-7.124	-0.0106	-2.5 to 2.5	Pass
				20	3.27	-9.599	-0.0141	-2.5 to 2.5	Pass
					3.85	-7.710	-0.0113	-2.5 to 2.5	Pass
					4.43	-10.071	-0.0148	-2.5 to 2.5	Pass
				-30	3.85	-9.828	-0.0144	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0104	-2.5 to 2.5	Pass
				-10	3.85	-7.024	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-8.640	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-8.883	-0.0131	-2.5 to 2.5	Pass
				40	3.85	-4.034	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0058	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-8.712	-0.0126	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0118	-2.5 to 2.5	Pass
					4.43	-4.048	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-4.249	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-6.166	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-6.766	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0105	-2.5 to 2.5	Pass

				50	3.85	-5.136	-0.0074	-2.5 to 2.5	Pass
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2.4 B71_20MHz

2.4.1 Test Result

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.27	-9.413	-0.0140	-2.5 to 2.5	Pass
					3.85	-7.639	-0.0114	-2.5 to 2.5	Pass
					4.43	-7.253	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-8.512	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-7.954	-0.0118	-2.5 to 2.5	Pass
				-10	3.85	-6.394	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-8.025	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-6.838	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-4.363	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-5.050	-0.0075	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-5.965	-0.0087	-2.5 to 2.5	Pass
					3.85	-8.898	-0.0130	-2.5 to 2.5	Pass
					4.43	-10.901	-0.0160	-2.5 to 2.5	Pass
				-30	3.85	-6.523	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-8.211	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-7.153	-0.0105	-2.5 to 2.5	Pass
				10	3.85	-6.065	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-8.340	-0.0122	-2.5 to 2.5	Pass
				40	3.85	-10.457	-0.0153	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0088	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-9.856	-0.0143	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.411	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-8.540	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-4.849	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-10.772	-0.0157	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.496	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-8.883	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0053	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.27	-9.069	-0.0135	-2.5 to 2.5	Pass
					3.85	-4.506	-0.0067	-2.5 to 2.5	Pass
					4.43	-8.211	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-7.982	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-8.683	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-2.718	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-2.718	-0.0040	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-6.509	-0.0095	-2.5 to 2.5	Pass
					3.85	-8.583	-0.0126	-2.5 to 2.5	Pass

					4.43	-8.926	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-9.356	-0.0137	-2.5 to 2.5	Pass
				-20	3.85	-9.127	-0.0134	-2.5 to 2.5	Pass
				-10	3.85	-8.812	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-9.198	-0.0135	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-3.262	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-8.712	-0.0128	-2.5 to 2.5	Pass
	688	100	0	20	3.27	-9.413	-0.0137	-2.5 to 2.5	Pass
					3.85	-9.499	-0.0138	-2.5 to 2.5	Pass
					4.43	-9.770	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-9.856	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-8.311	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-9.441	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-8.841	-0.0129	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0090	-2.5 to 2.5	Pass

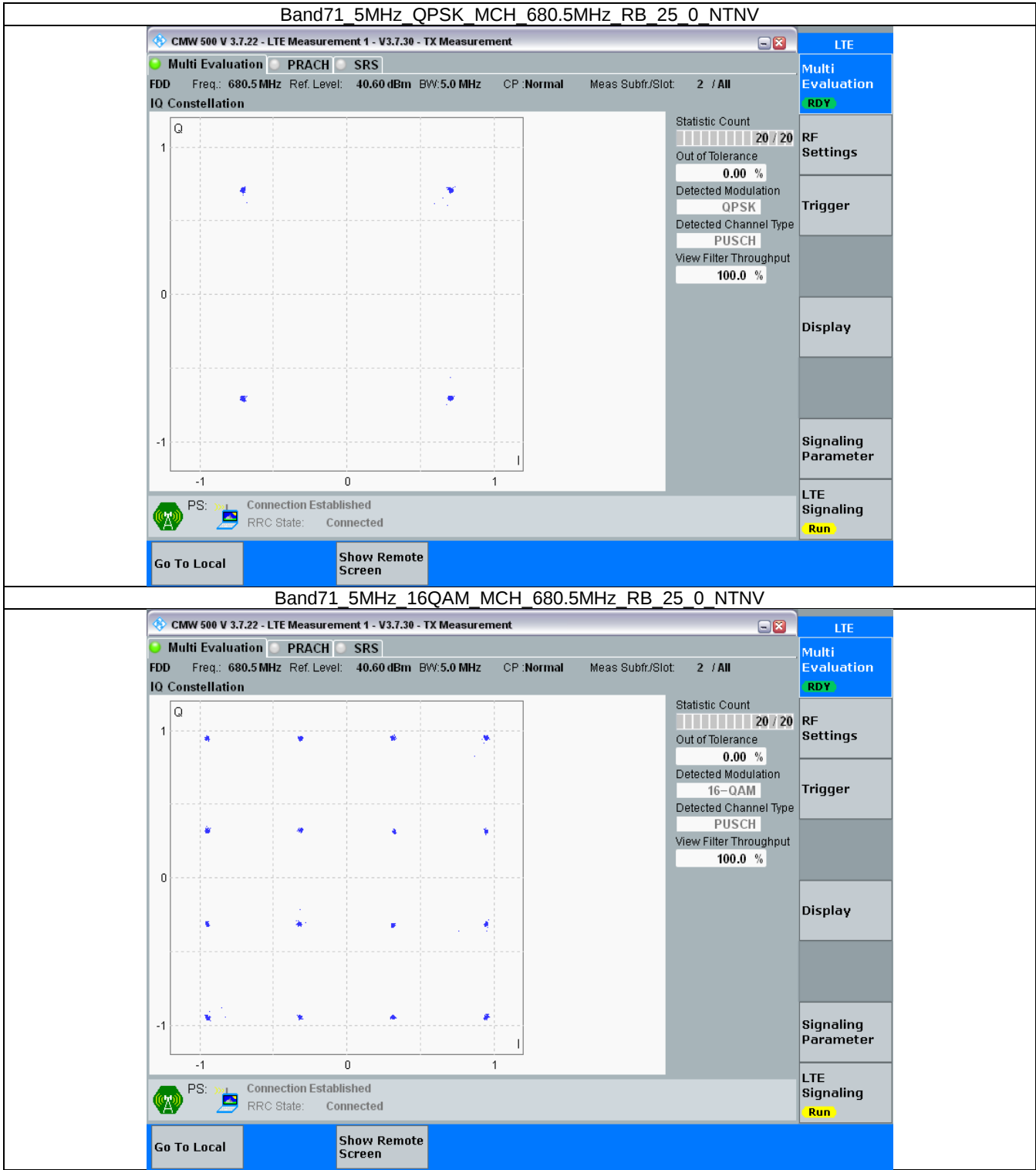
3. Modulation Characteristics

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

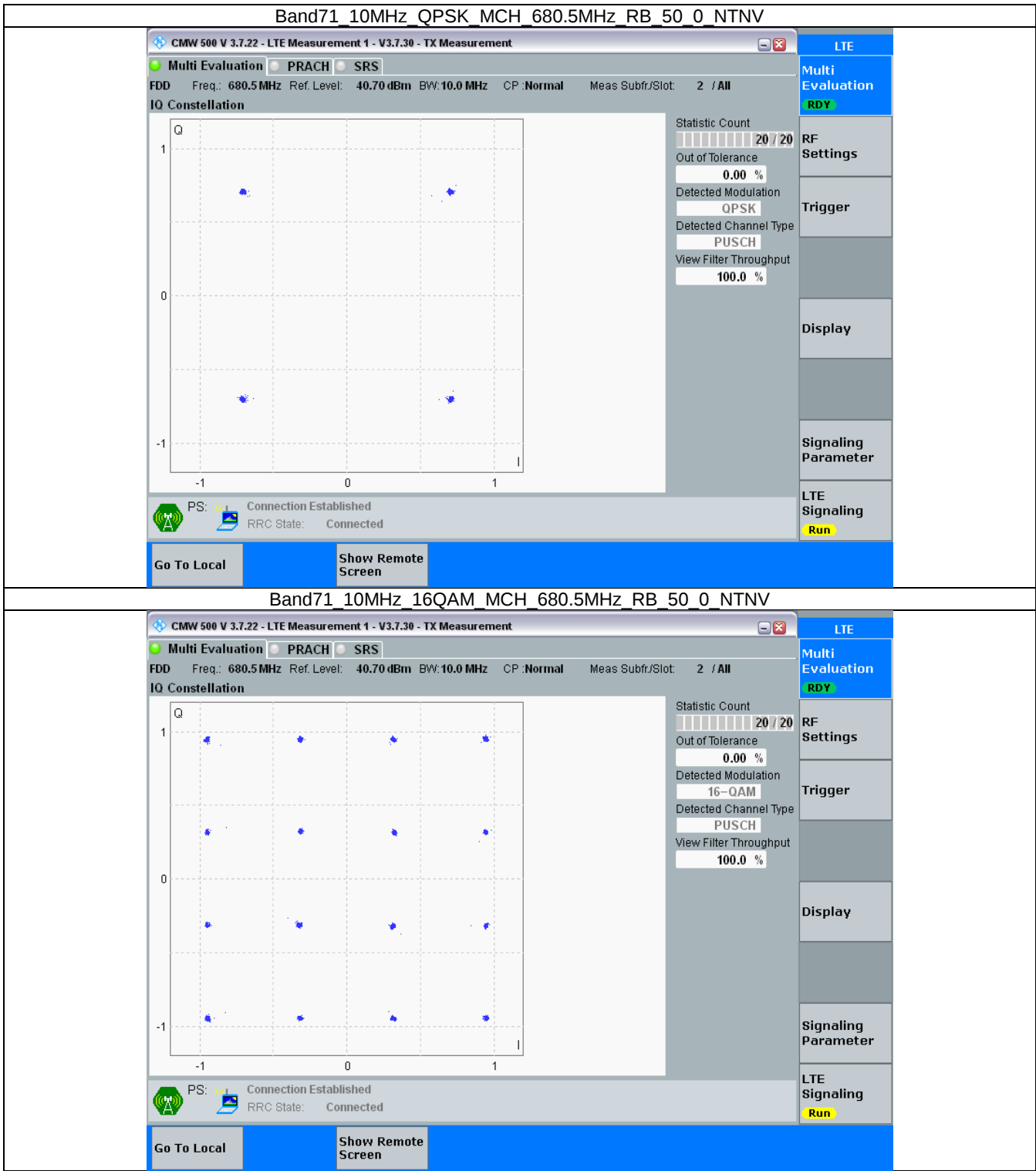


3.2 B71_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph

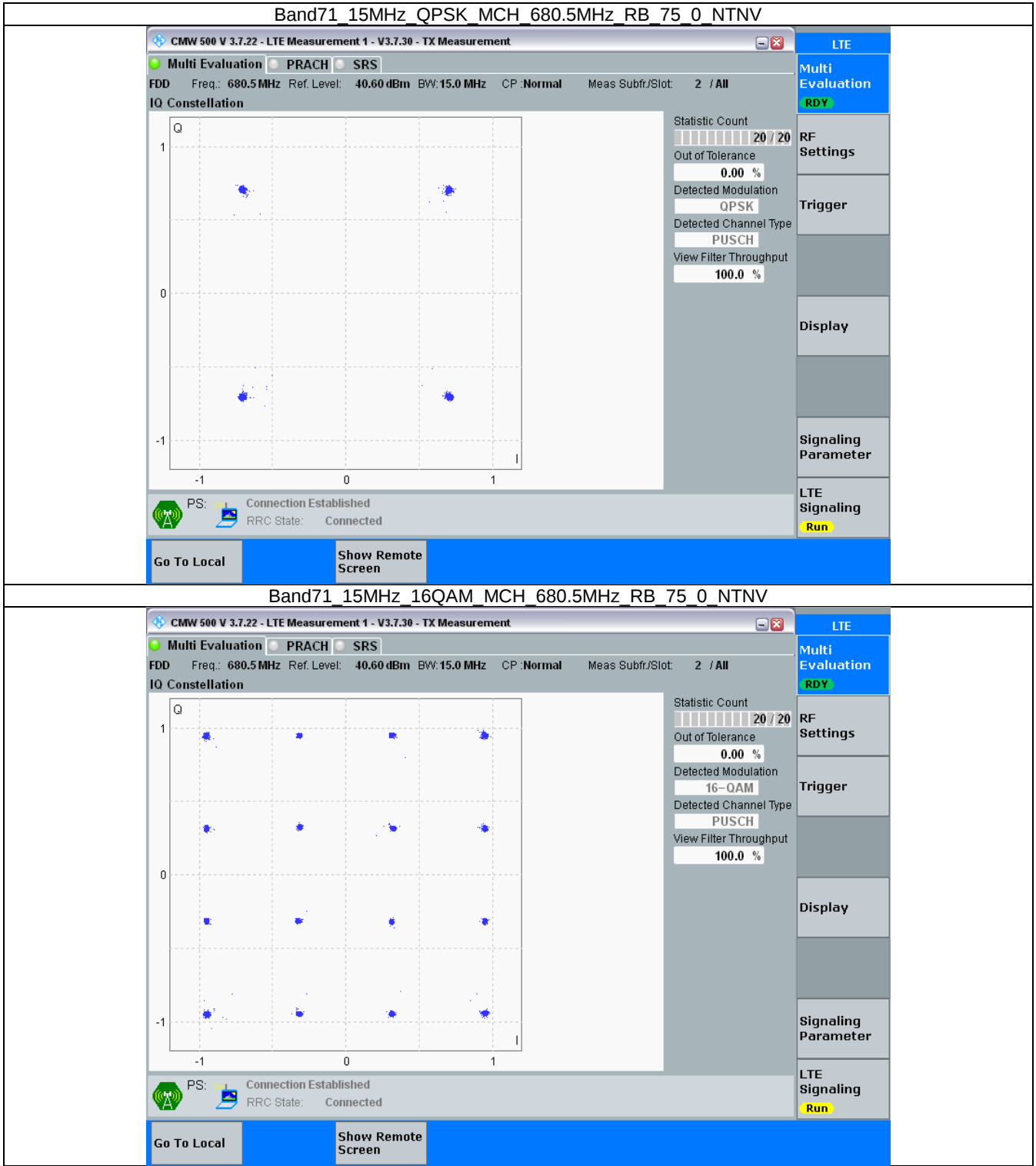


3.3 B71_15MHz

3.3.1 Test Result

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

3.3.2 Test Graph

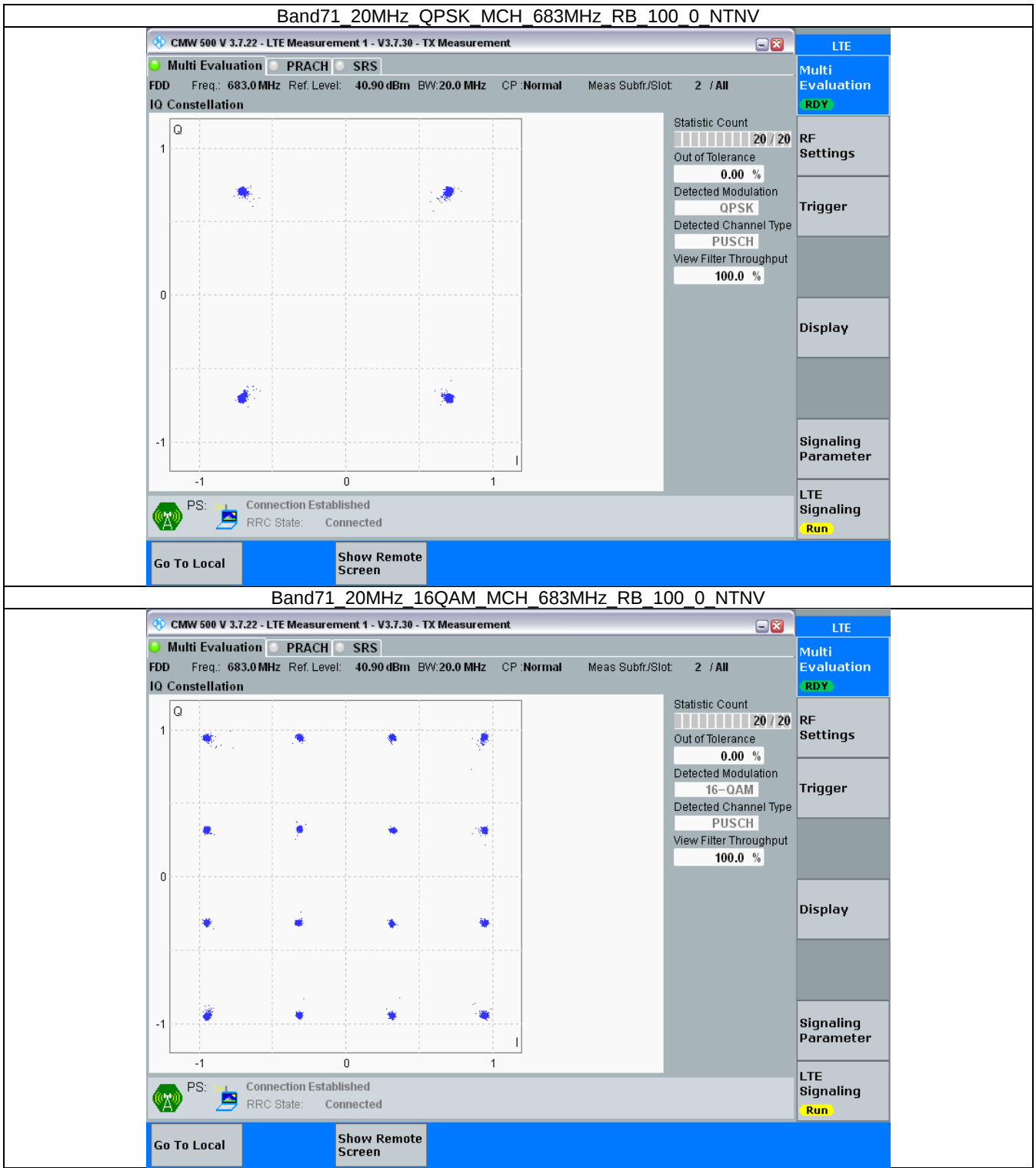


3.4 B71_20MHz

3.4.1 Test Result

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

3.4.2 Test Graph



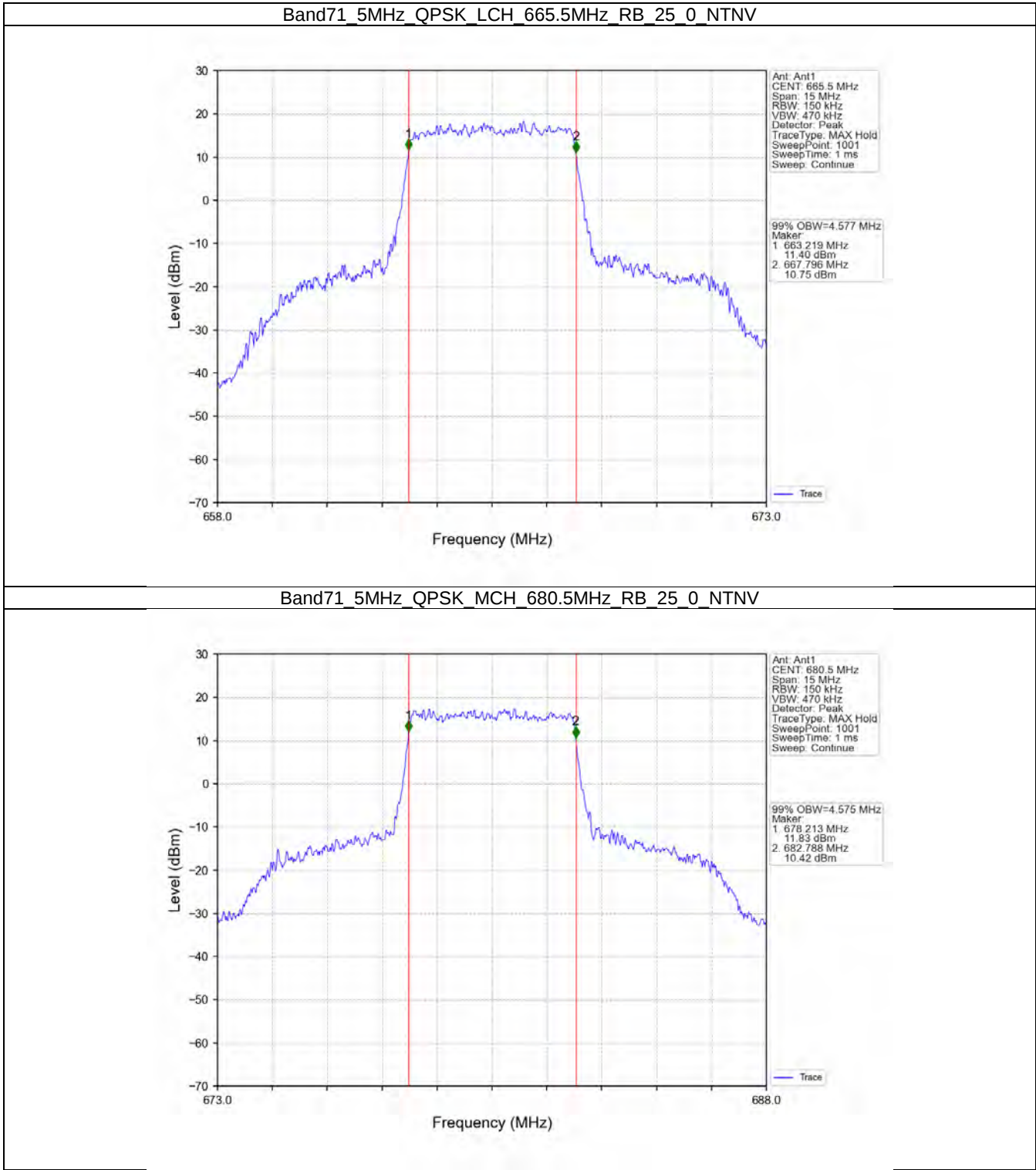
4. 99% & 26dB Bandwidth

4.1 Band71_OBW

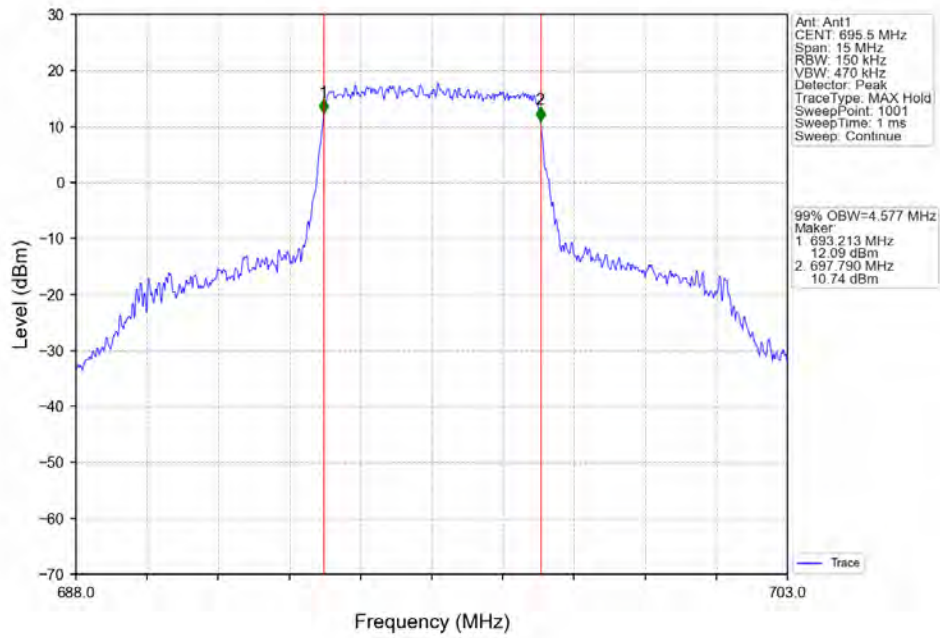
4.1.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	4.577	Pass
		680.5	25	0	4.575	Pass
		695.5	25	0	4.577	Pass
	16QAM	665.5	25	0	4.541	Pass
		680.5	25	0	4.612	Pass
		695.5	25	0	4.604	Pass
10	QPSK	668	50	0	9.082	Pass
		680.5	50	0	9.077	Pass
		693	50	0	9.113	Pass
	16QAM	668	50	0	9.055	Pass
		680.5	50	0	9.093	Pass
		693	50	0	9.095	Pass
15	QPSK	670.5	75	0	13.639	Pass
		680.5	75	0	13.598	Pass
		690.5	75	0	13.704	Pass
	16QAM	670.5	75	0	13.659	Pass
		680.5	75	0	13.662	Pass
		690.5	75	0	13.669	Pass
20	QPSK	673	100	0	18.165	Pass
		683	100	0	18.214	Pass
		688	100	0	18.206	Pass
	16QAM	673	100	0	18.221	Pass
		683	100	0	18.177	Pass
		688	100	0	18.216	Pass

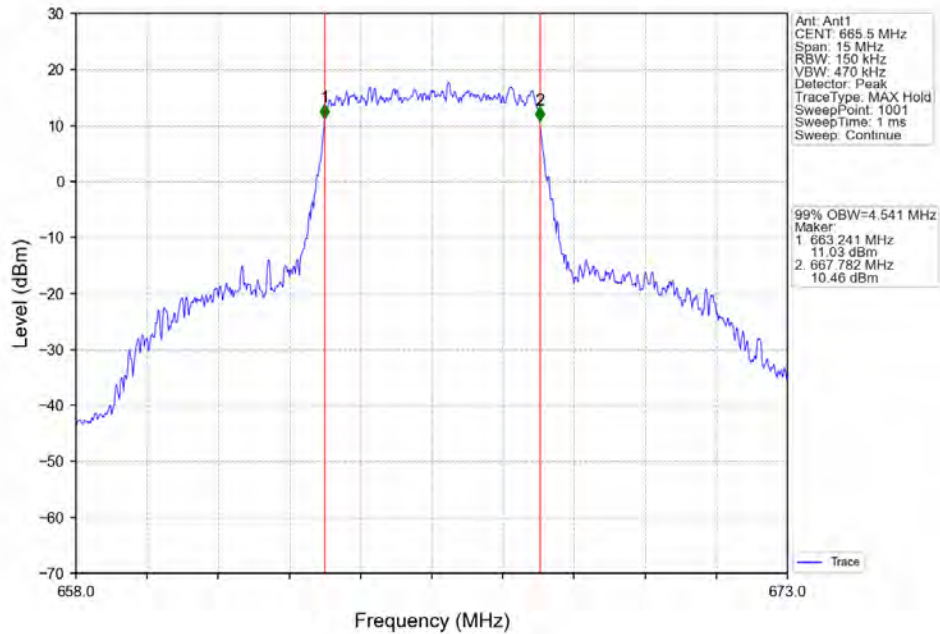
4.1.2 Test Graph



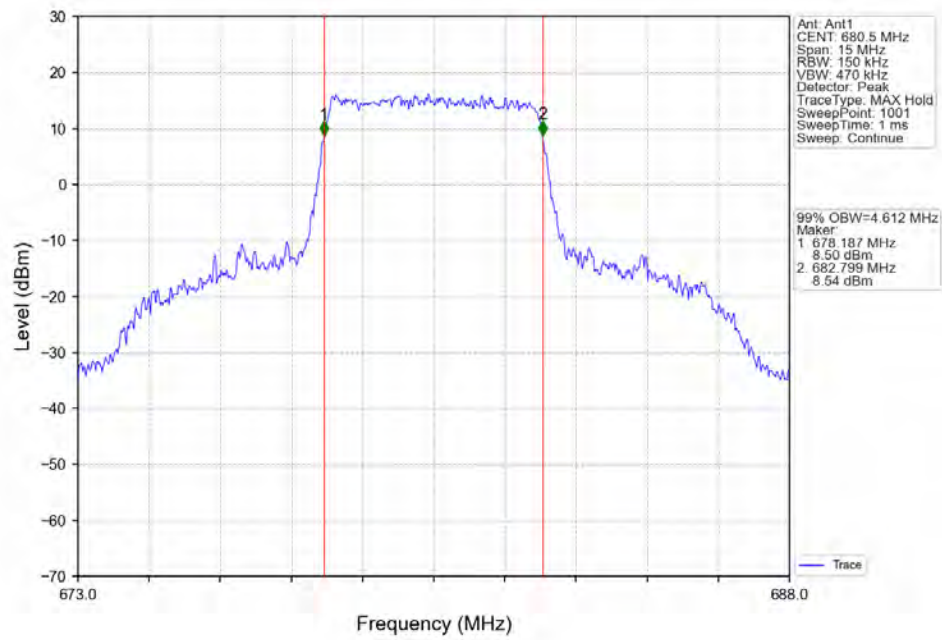
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



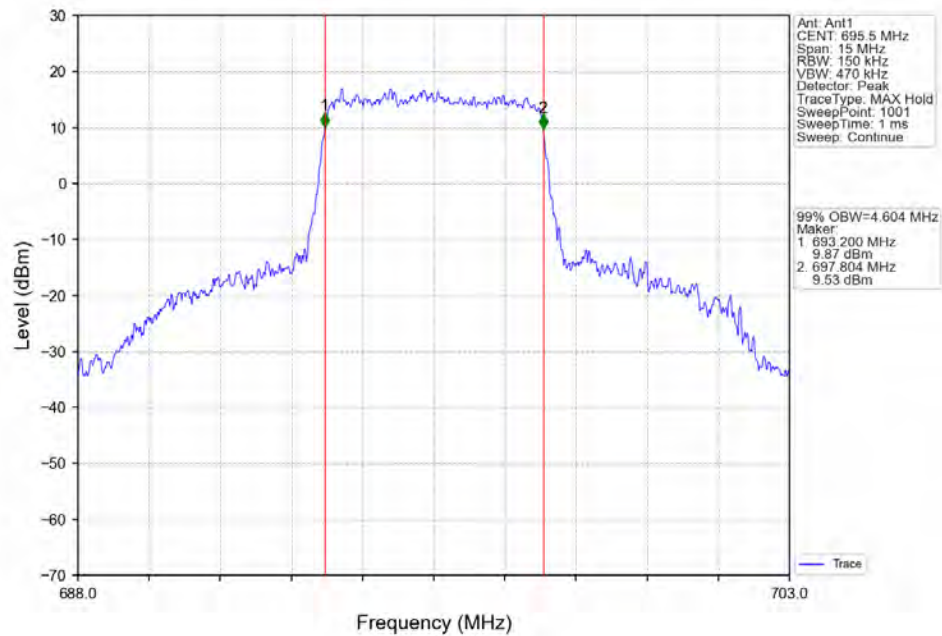
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



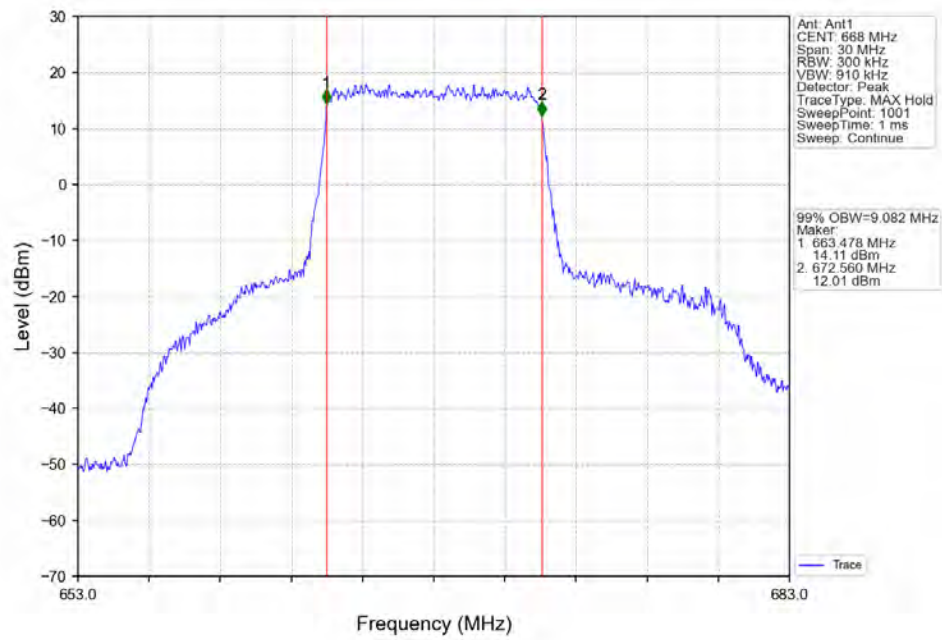
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



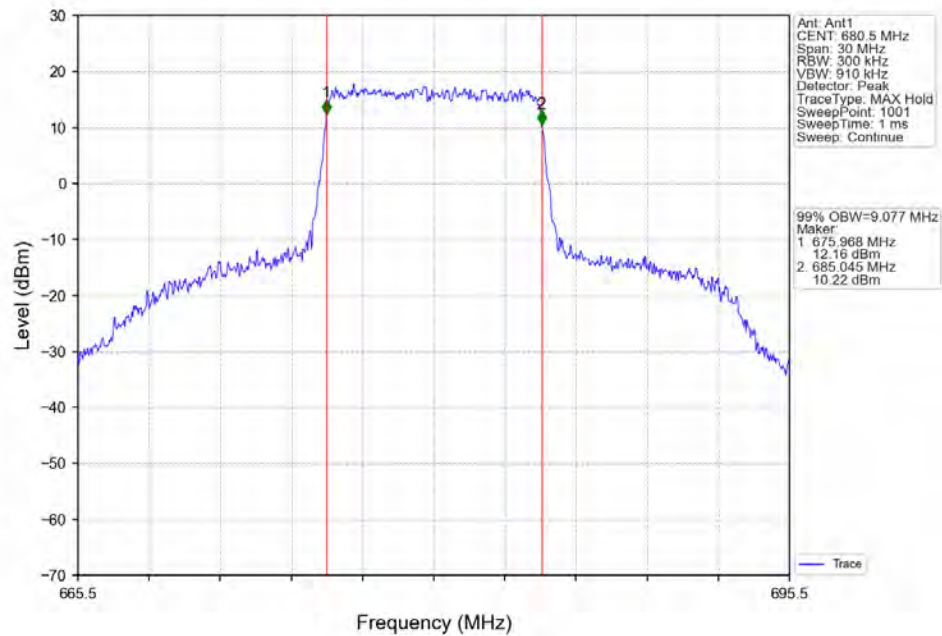
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



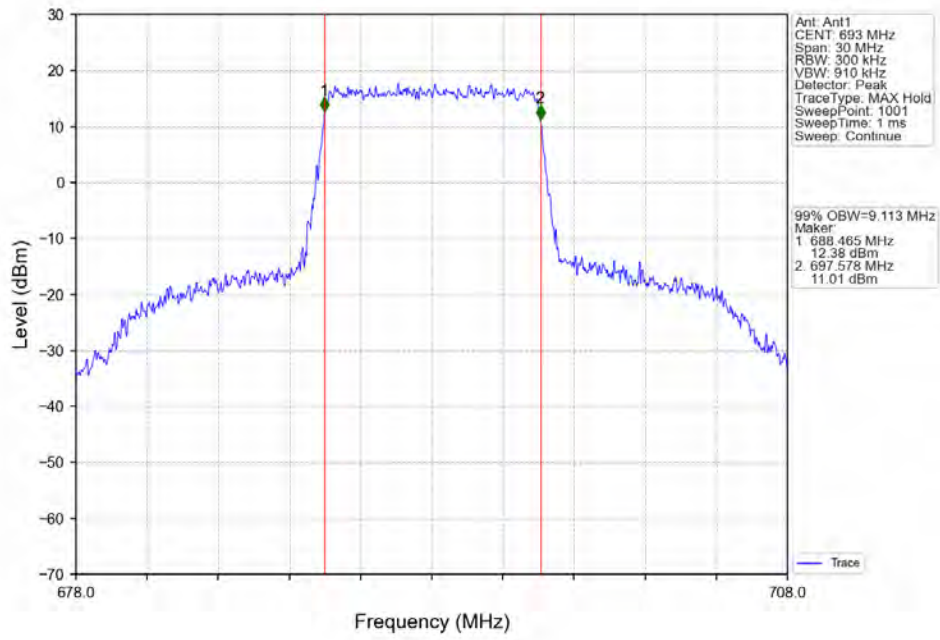
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



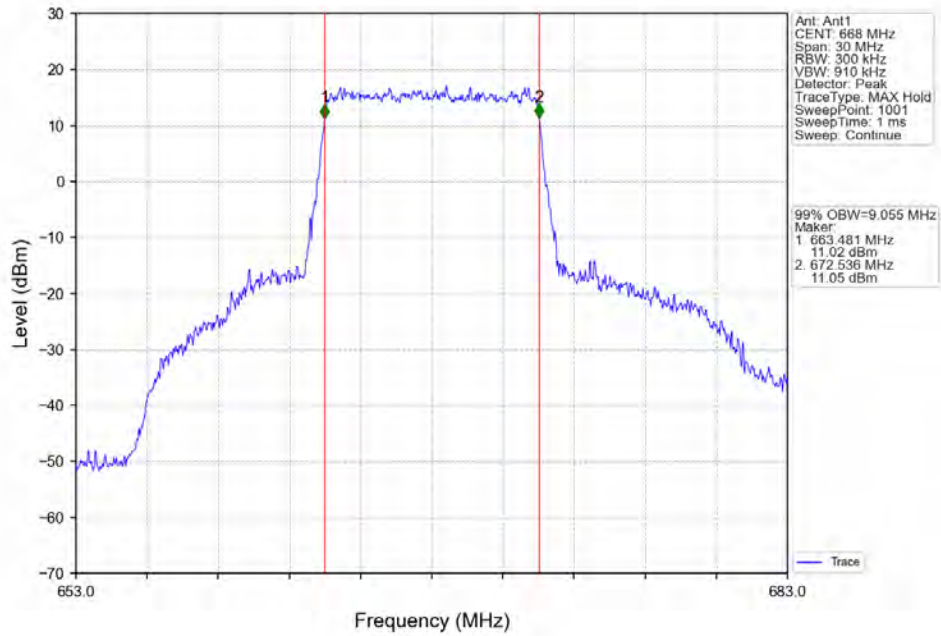
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



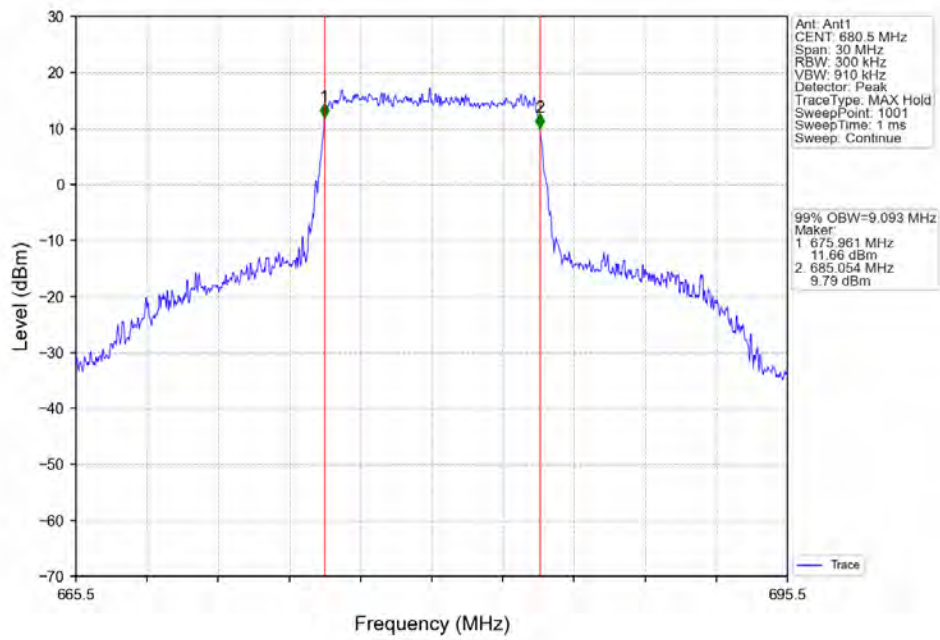
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



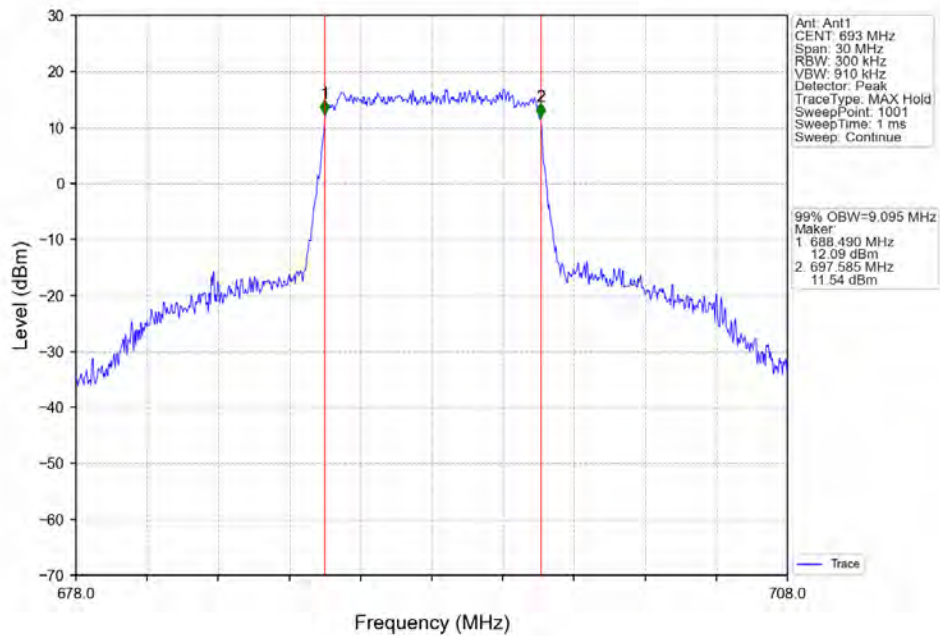
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



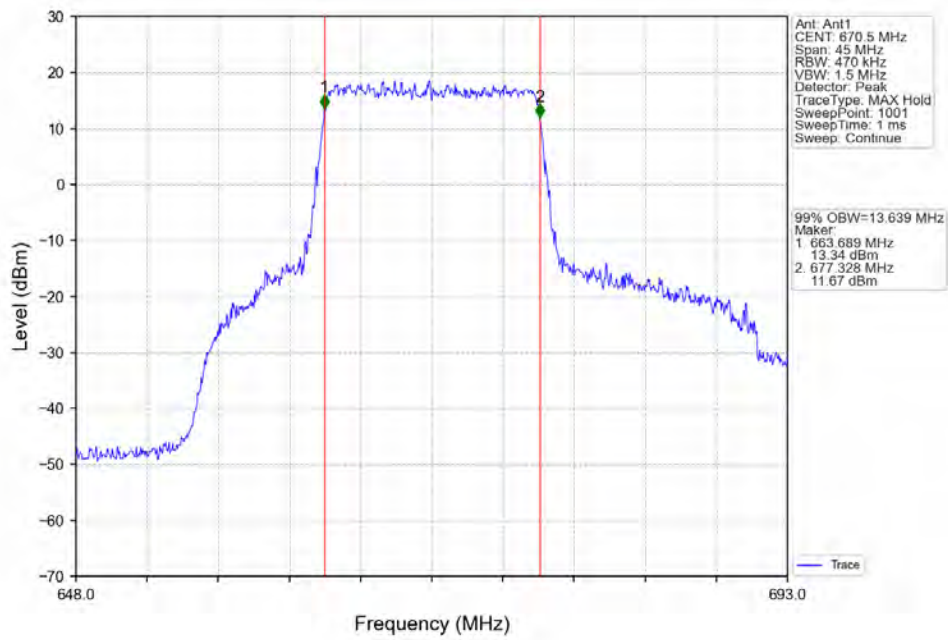
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



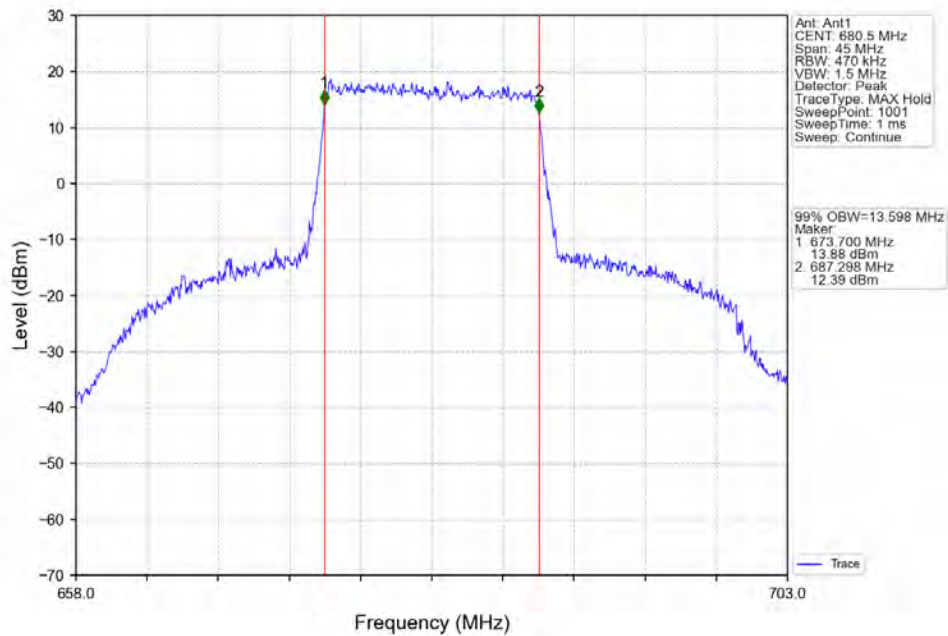
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



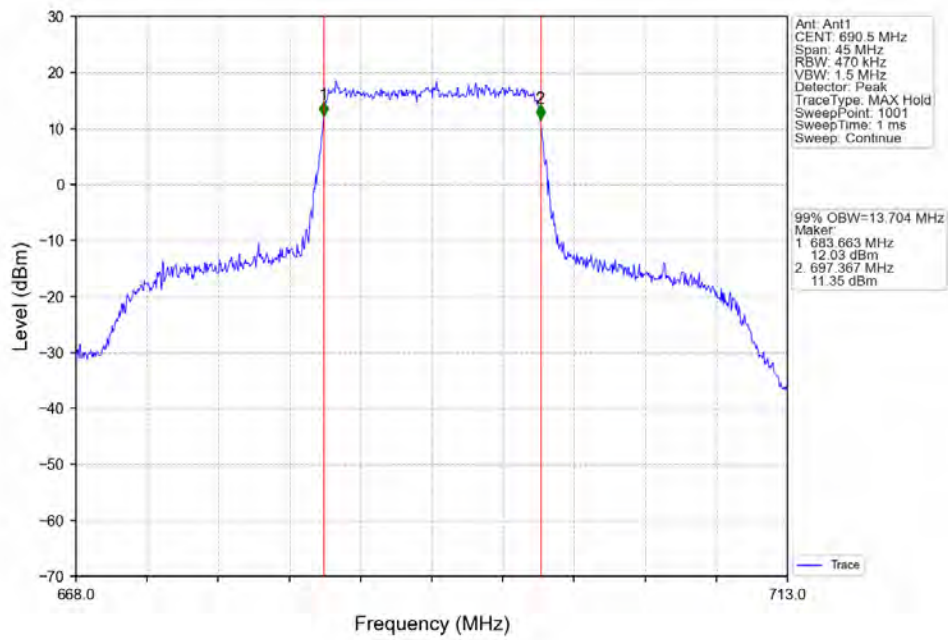
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



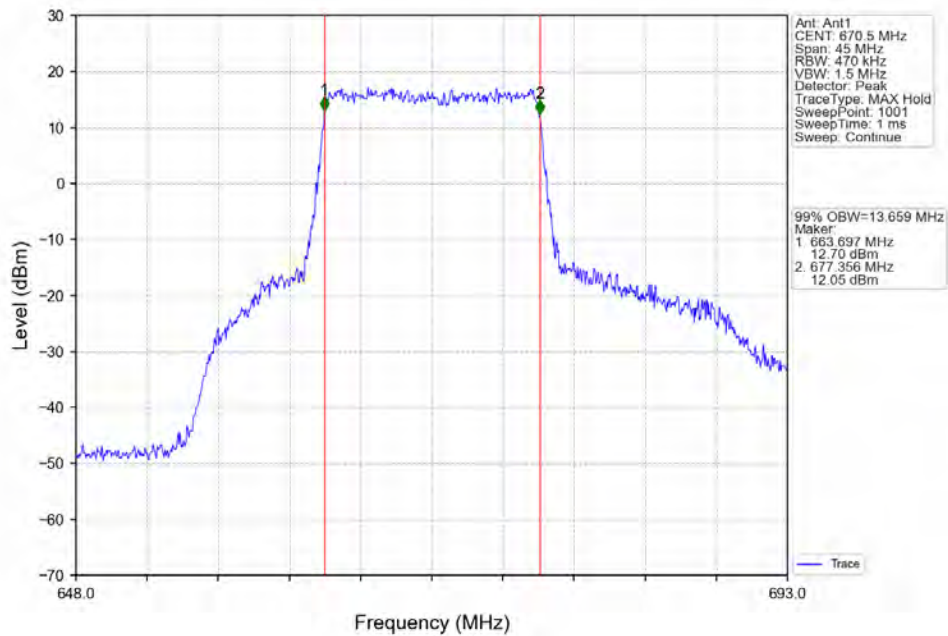
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



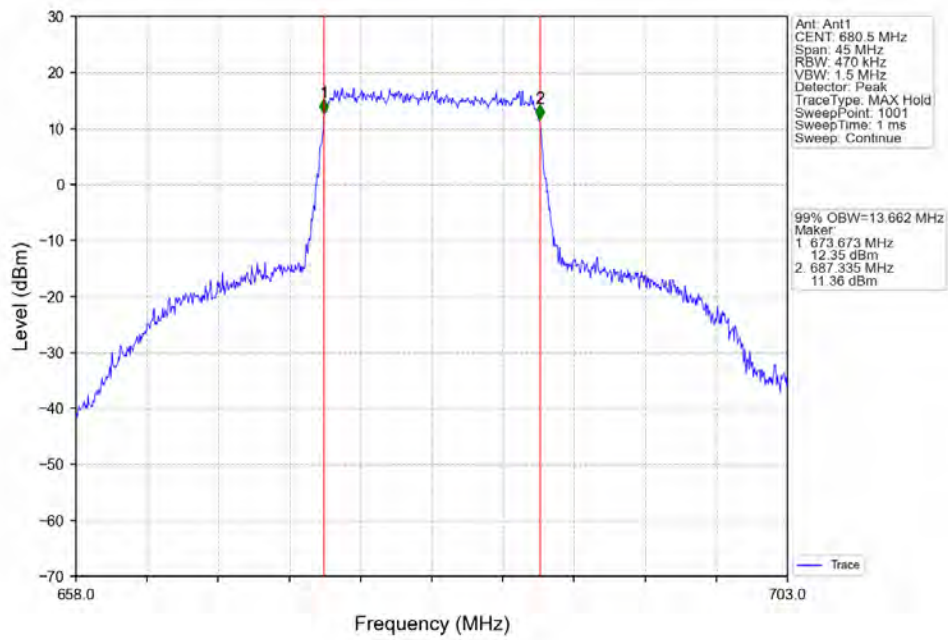
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



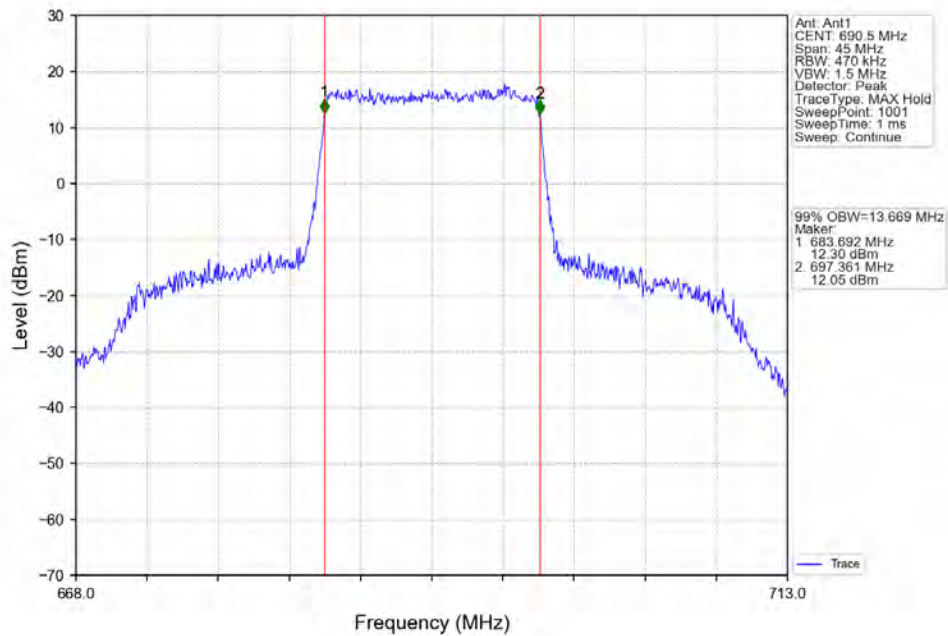
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



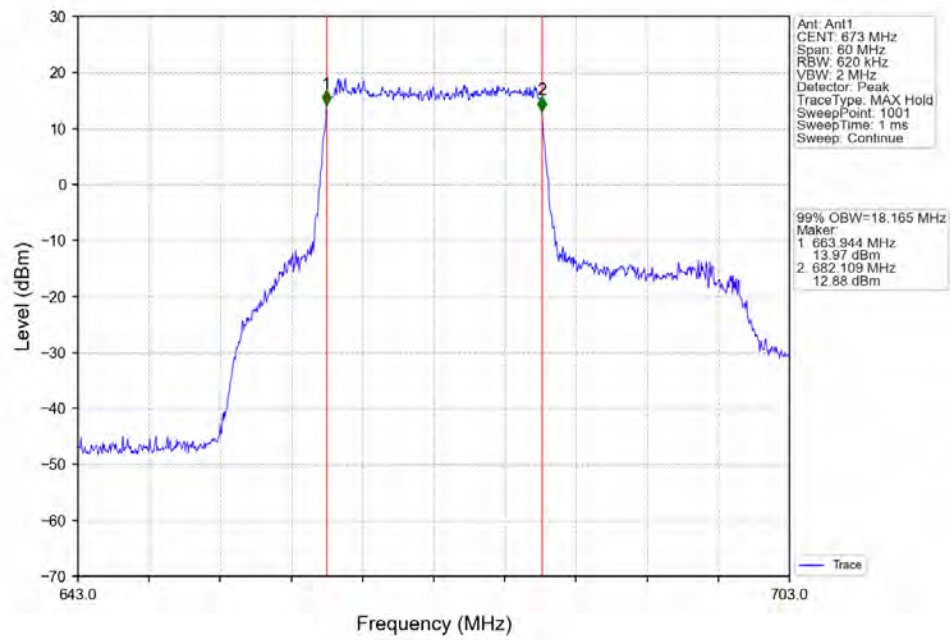
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



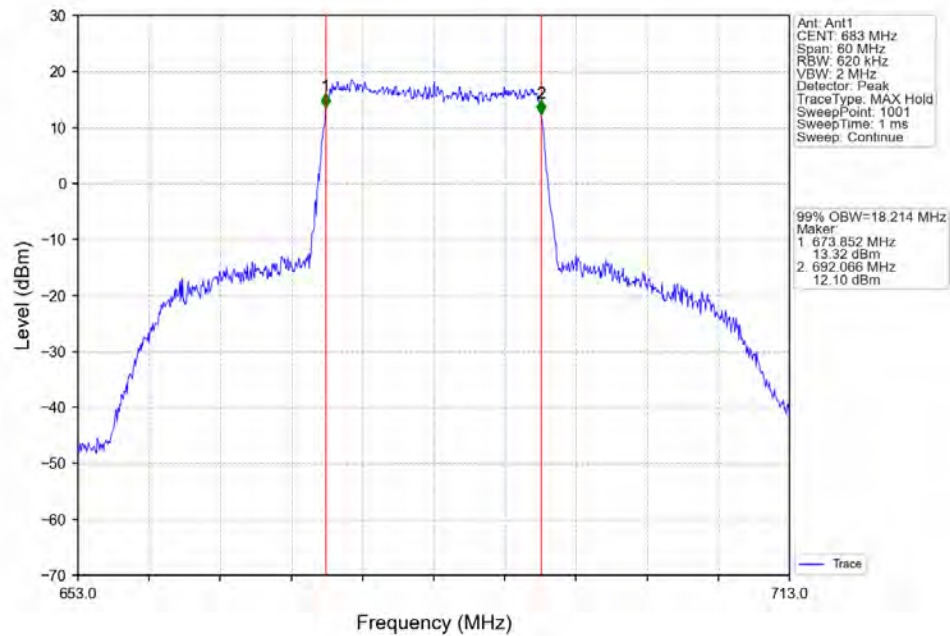
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



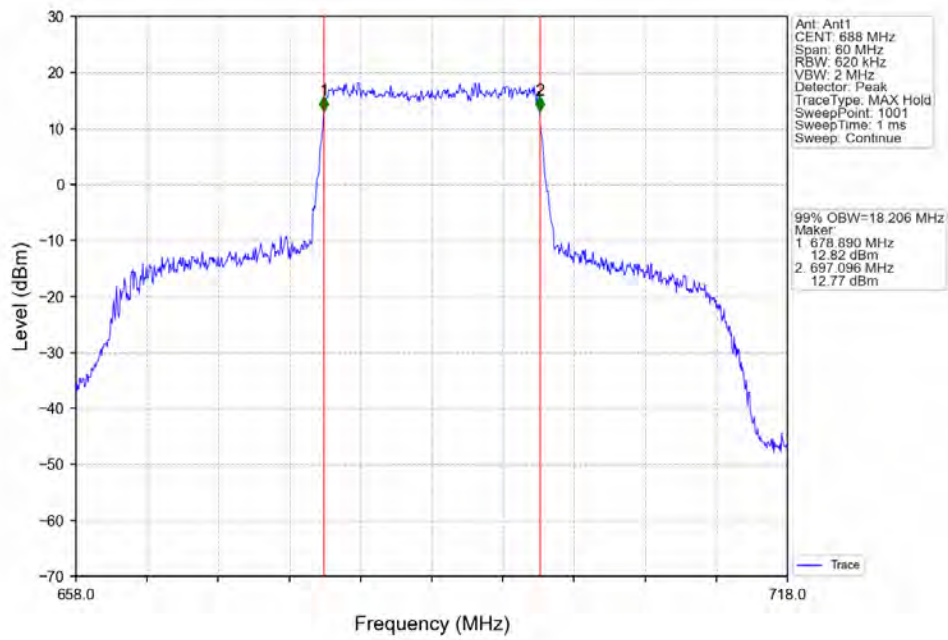
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



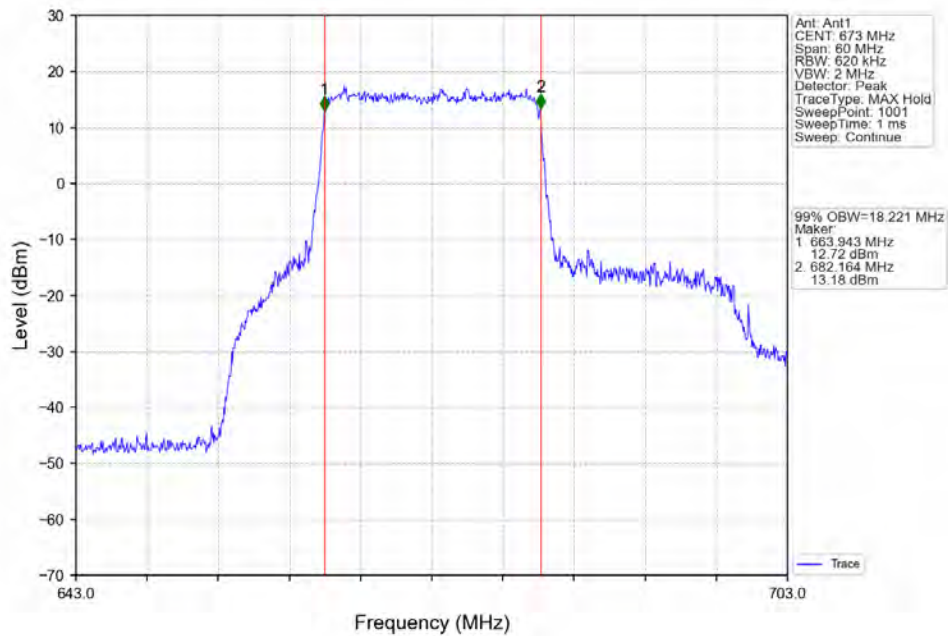
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



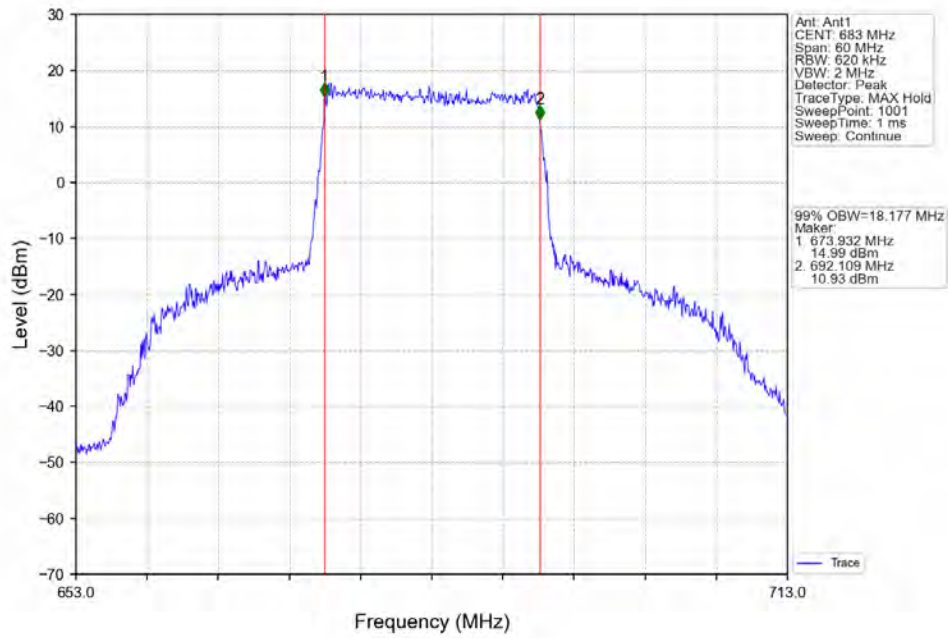
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



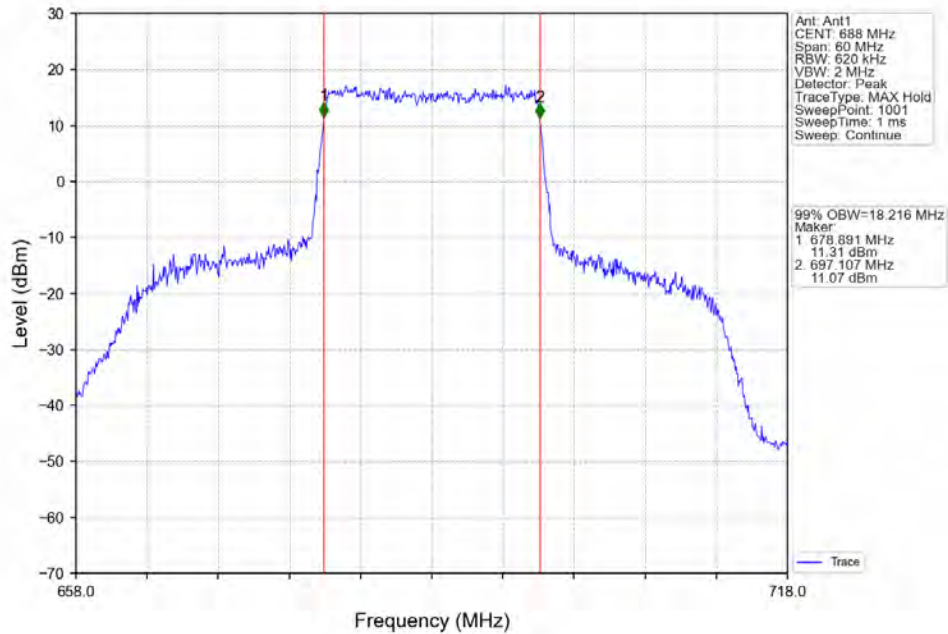
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV

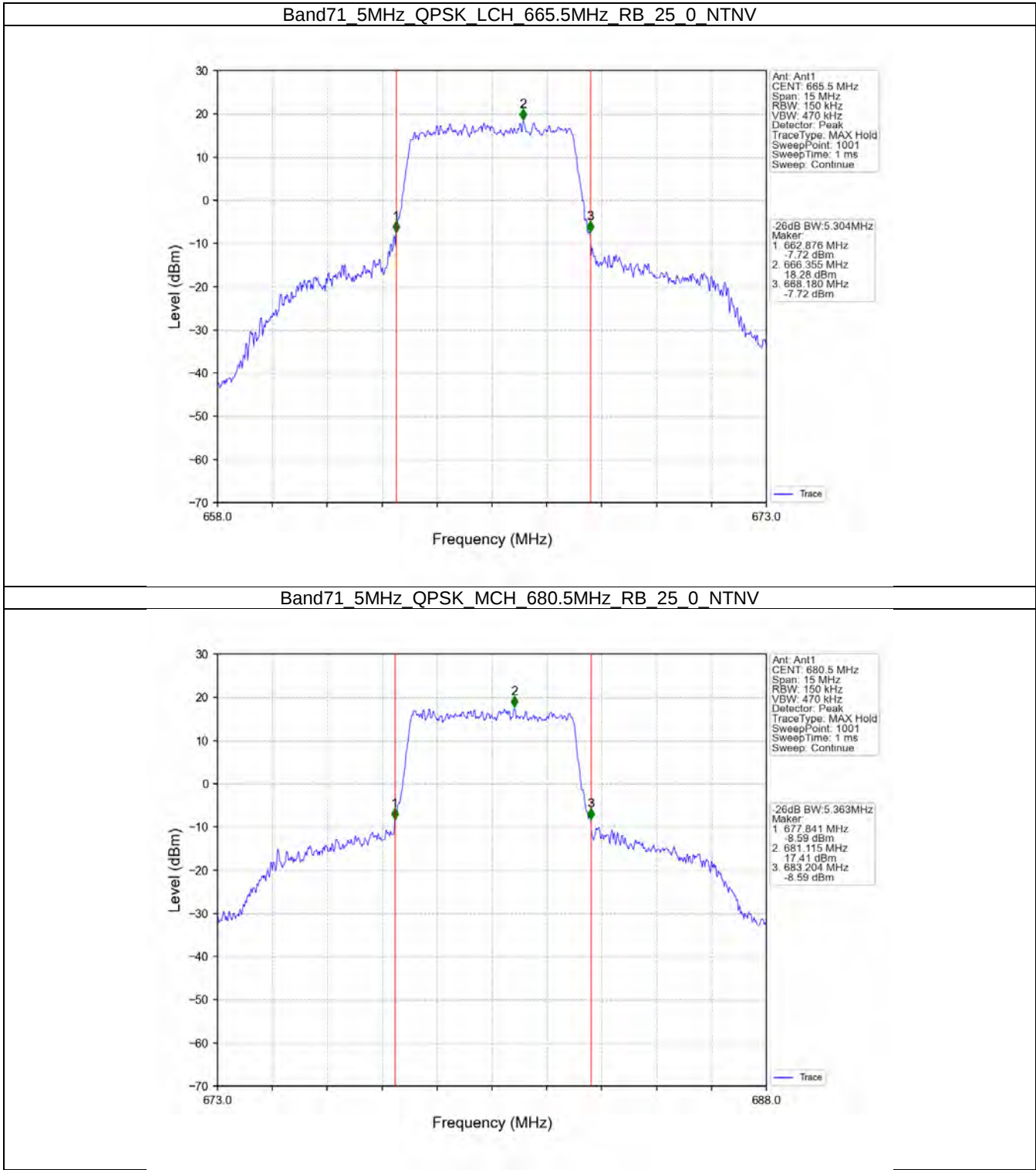


4.2 Band71_XDB

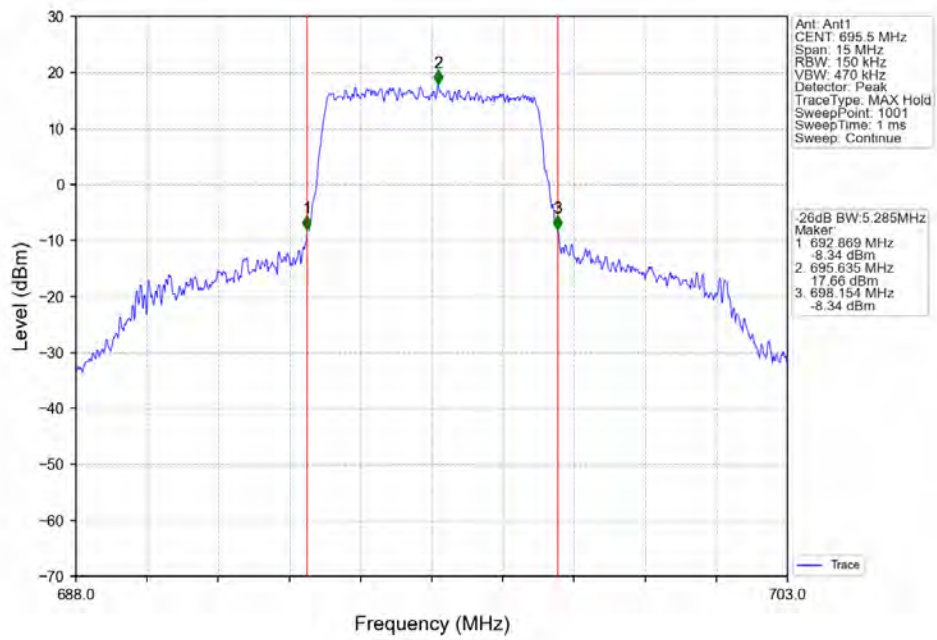
4.2.1 Test Result

Band: 71 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	665.5	25	0	5.304	Pass
		680.5	25	0	5.363	Pass
		695.5	25	0	5.285	Pass
	16QAM	665.5	25	0	5.280	Pass
		680.5	25	0	5.395	Pass
		695.5	25	0	5.297	Pass
10	QPSK	668	50	0	10.325	Pass
		680.5	50	0	10.255	Pass
		693	50	0	10.419	Pass
	16QAM	668	50	0	10.285	Pass
		680.5	50	0	10.270	Pass
		693	50	0	10.204	Pass
15	QPSK	670.5	75	0	15.168	Pass
		680.5	75	0	15.408	Pass
		690.5	75	0	15.533	Pass
	16QAM	670.5	75	0	15.326	Pass
		680.5	75	0	15.310	Pass
		690.5	75	0	15.418	Pass
20	QPSK	673	100	0	20.006	Pass
		683	100	0	20.170	Pass
		688	100	0	20.319	Pass
	16QAM	673	100	0	20.141	Pass
		683	100	0	19.941	Pass
		688	100	0	20.080	Pass

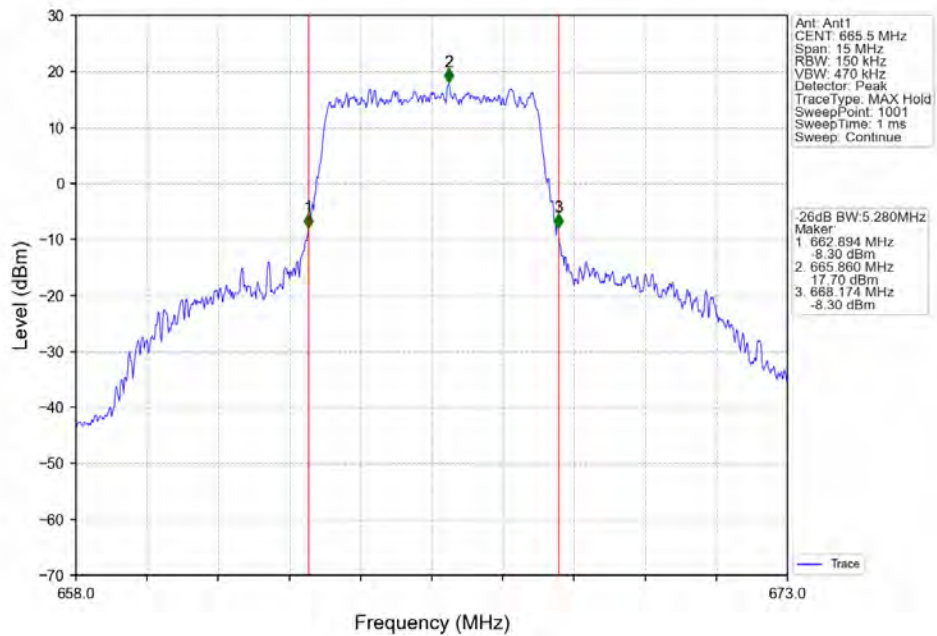
4.2.2 Test Graph



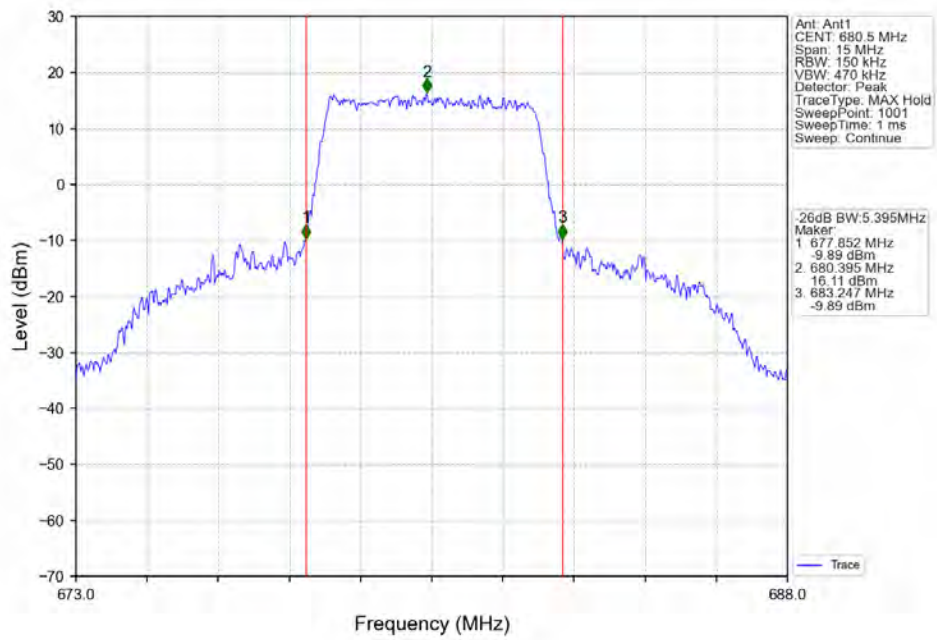
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTN



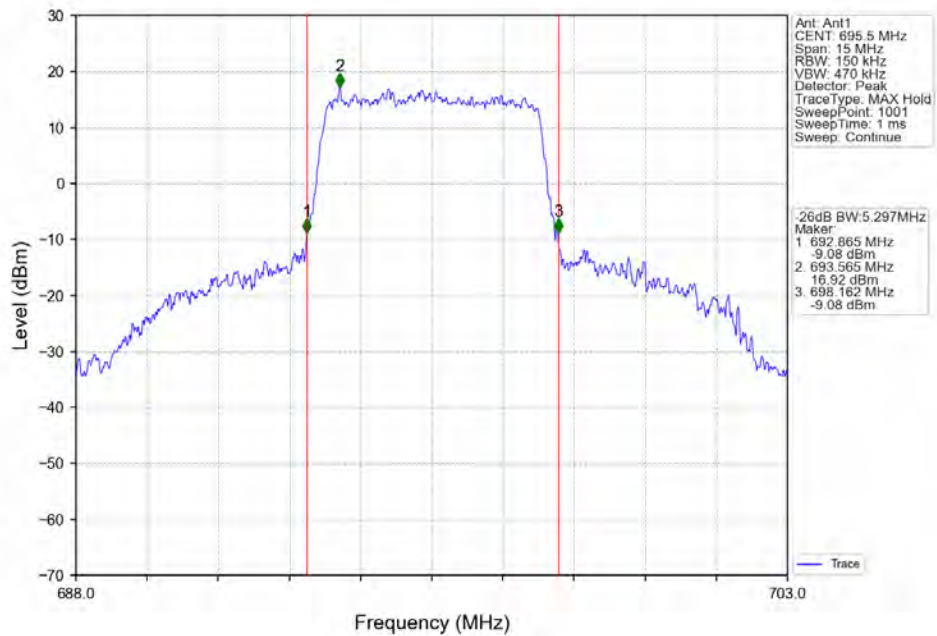
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTN



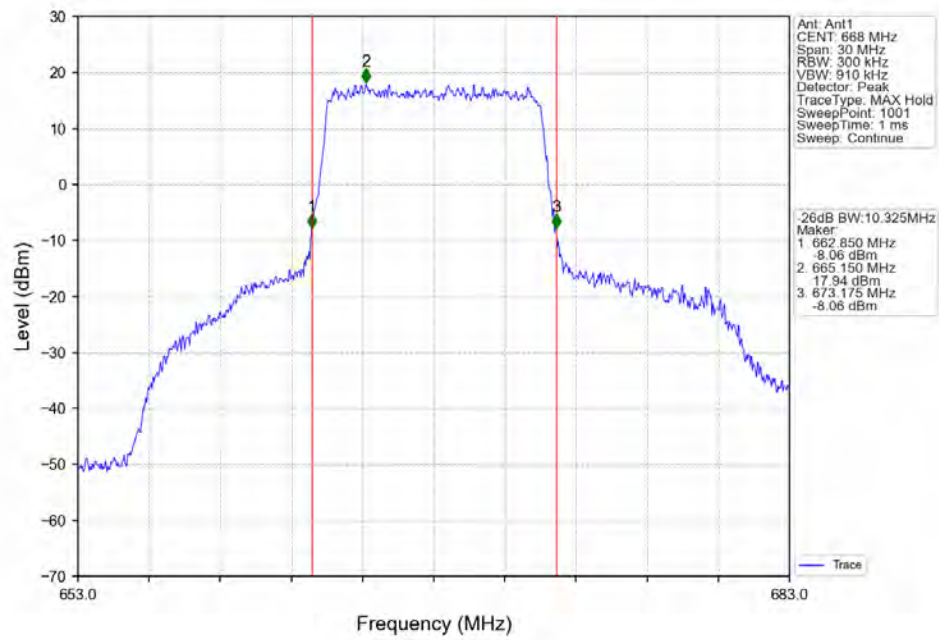
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



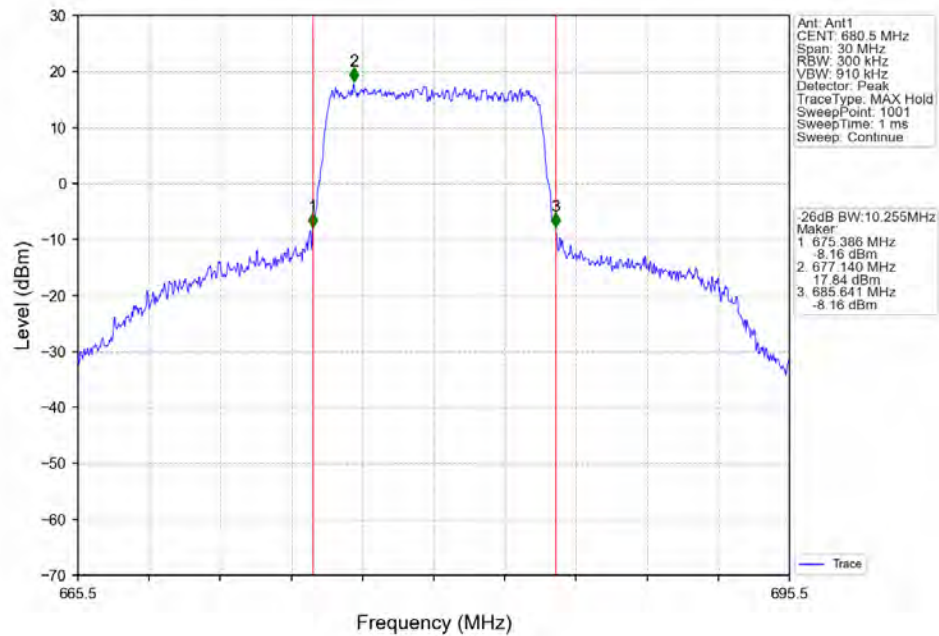
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



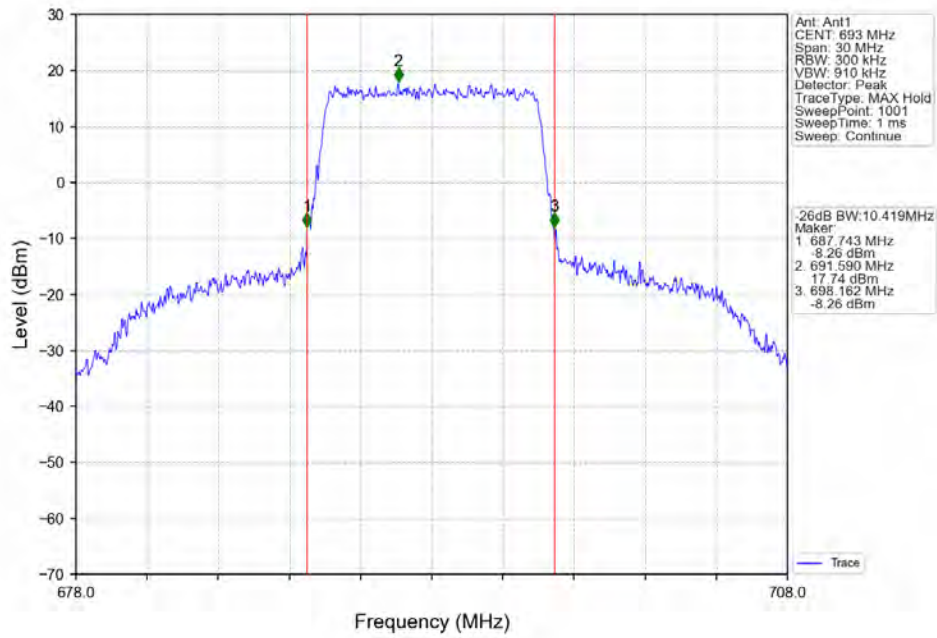
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



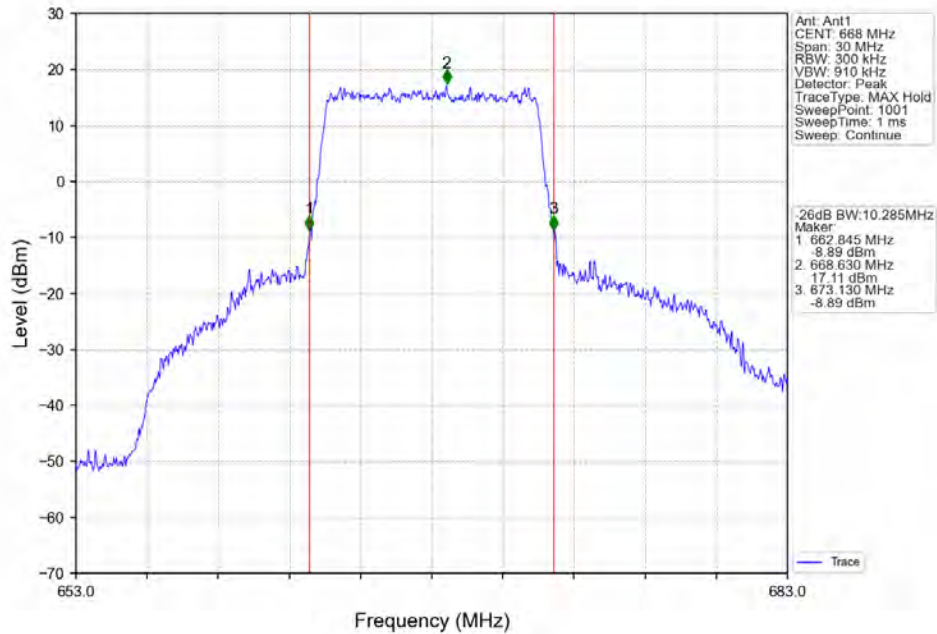
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTNV



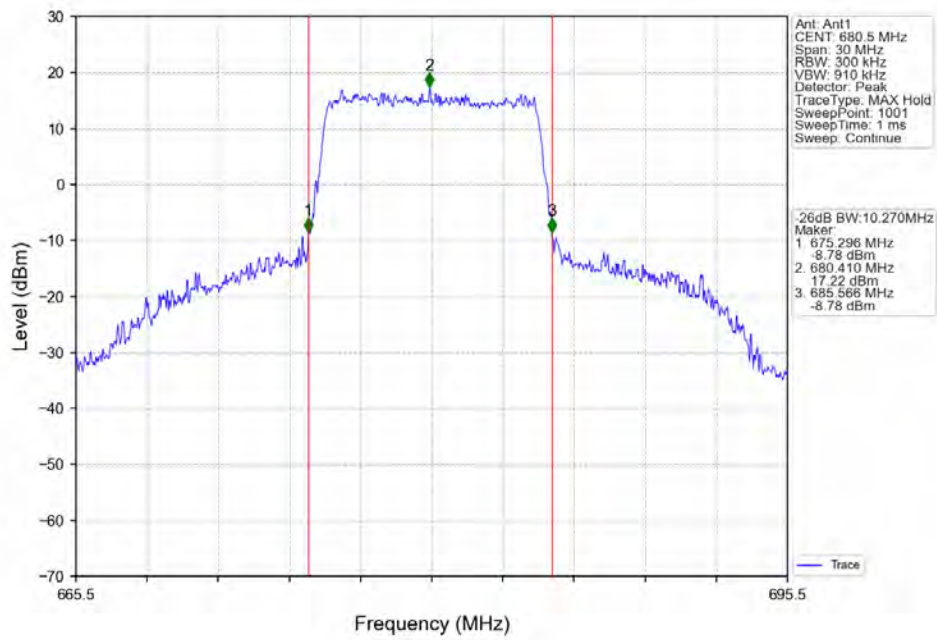
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



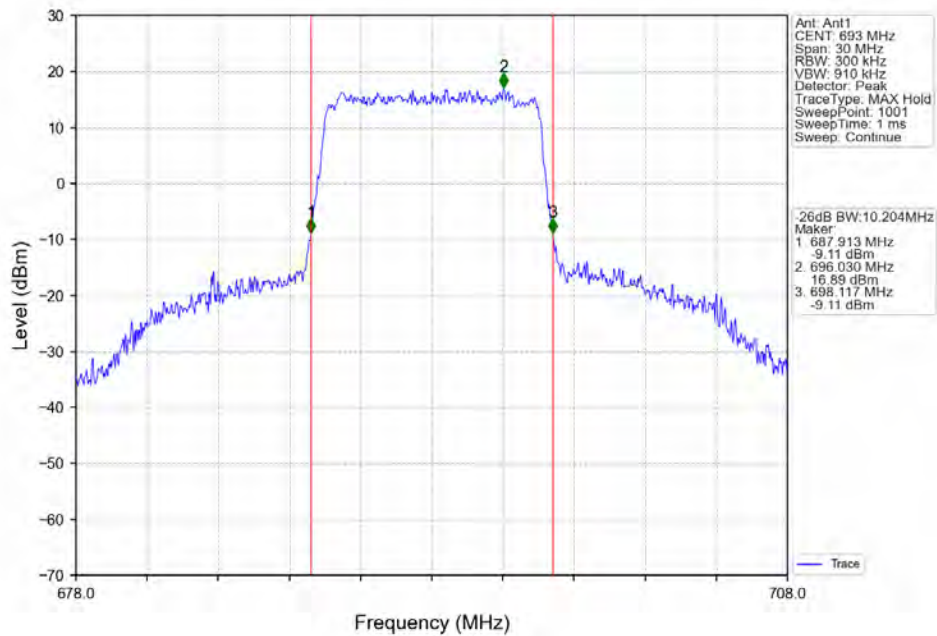
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTN



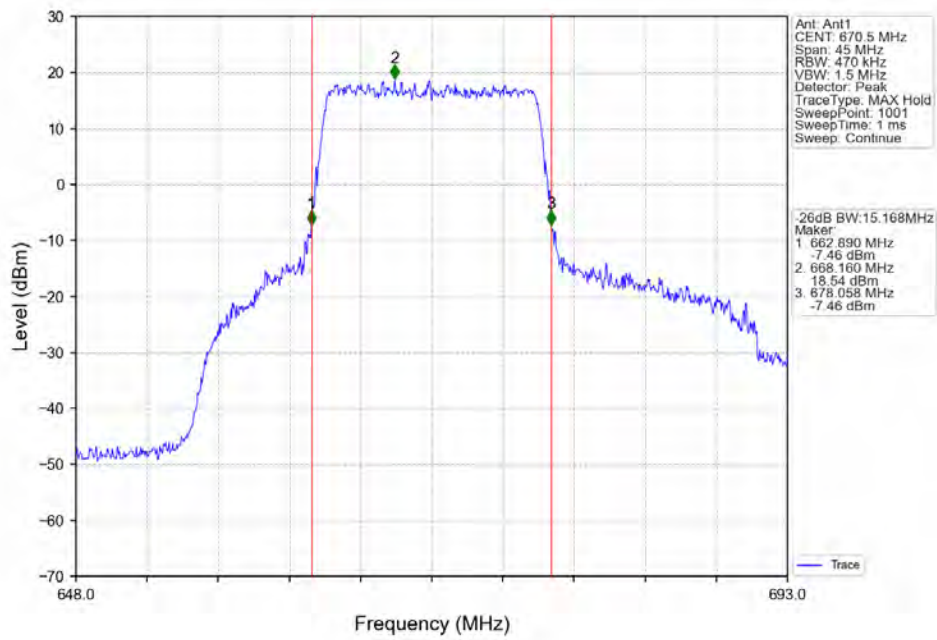
Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



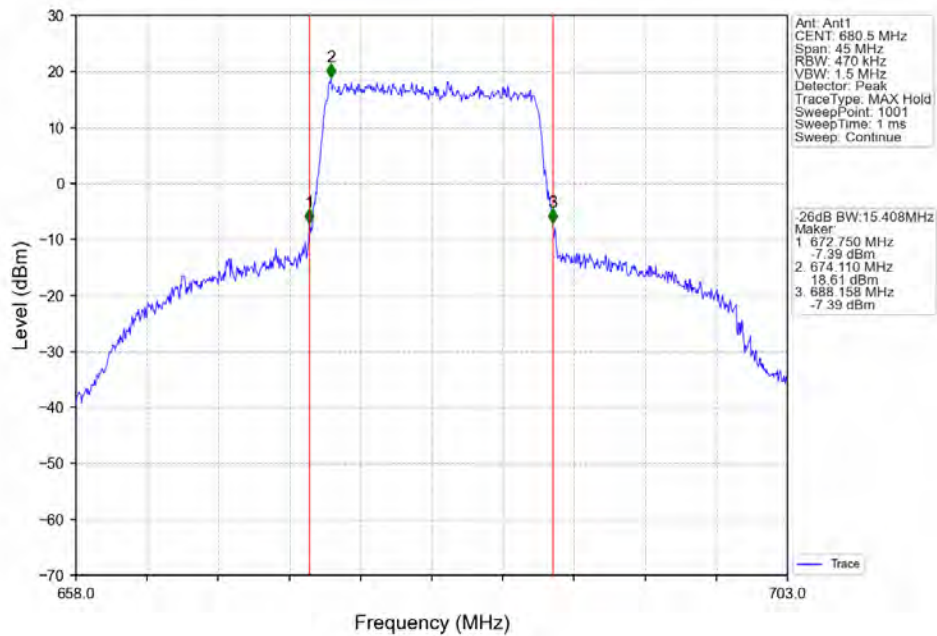
Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN



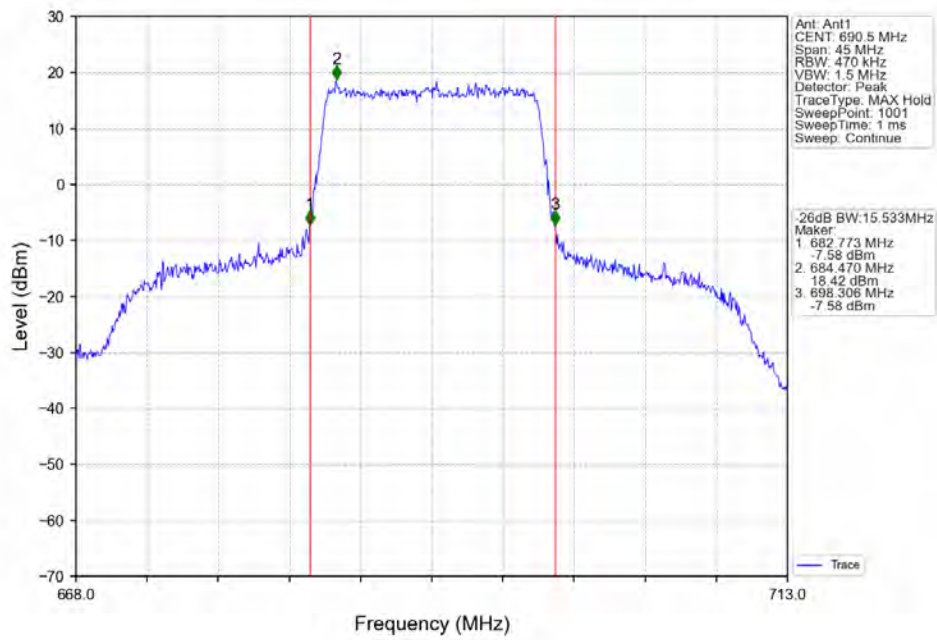
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



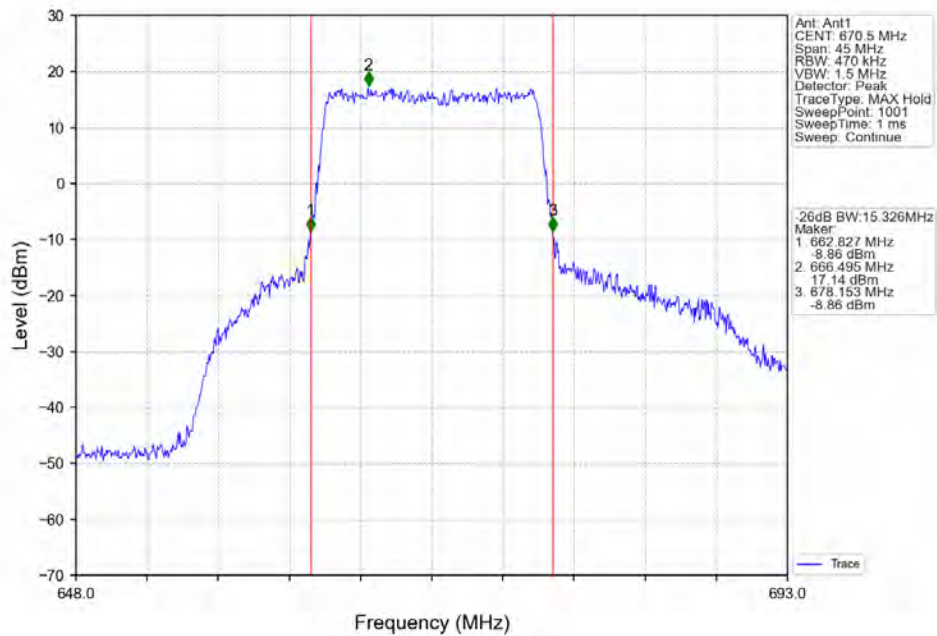
Band71 15MHz QPSK MCH 680.5MHz RB 75 0 NTNV



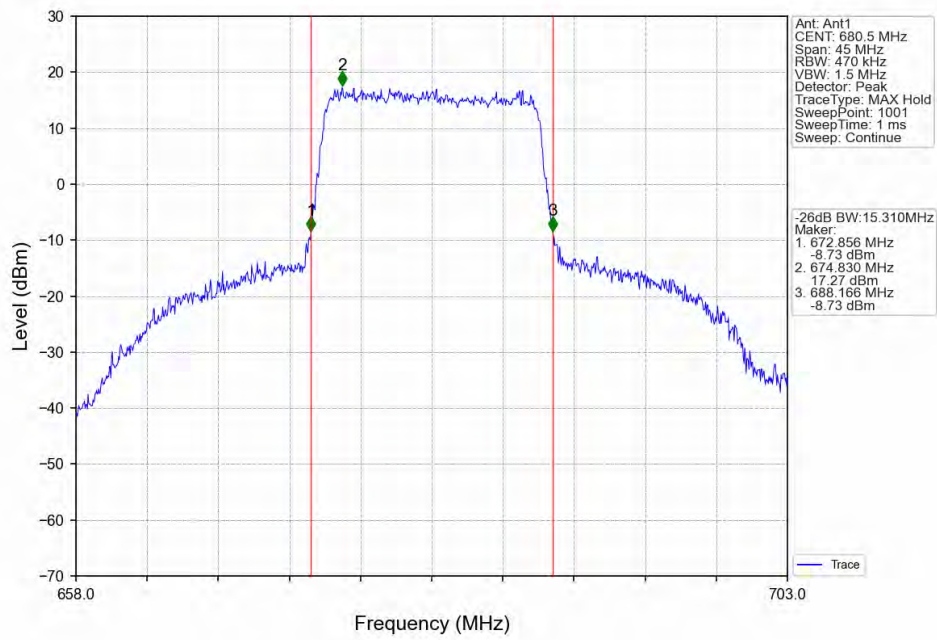
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



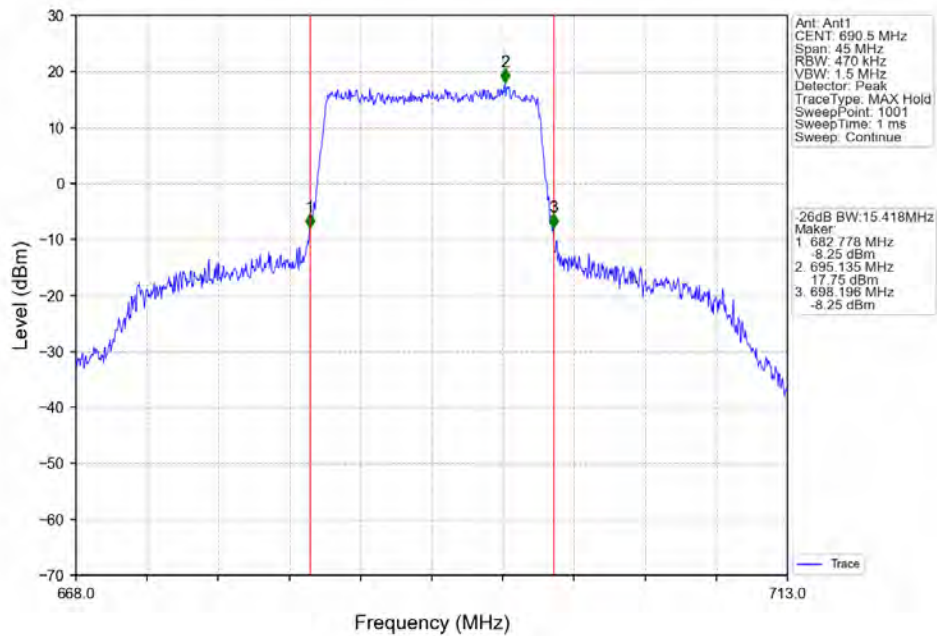
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



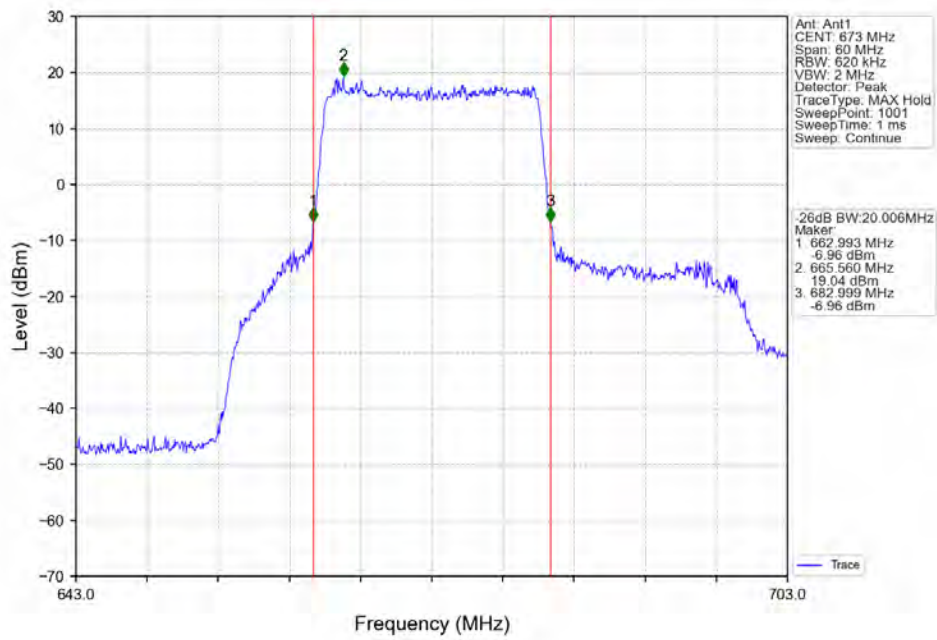
Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



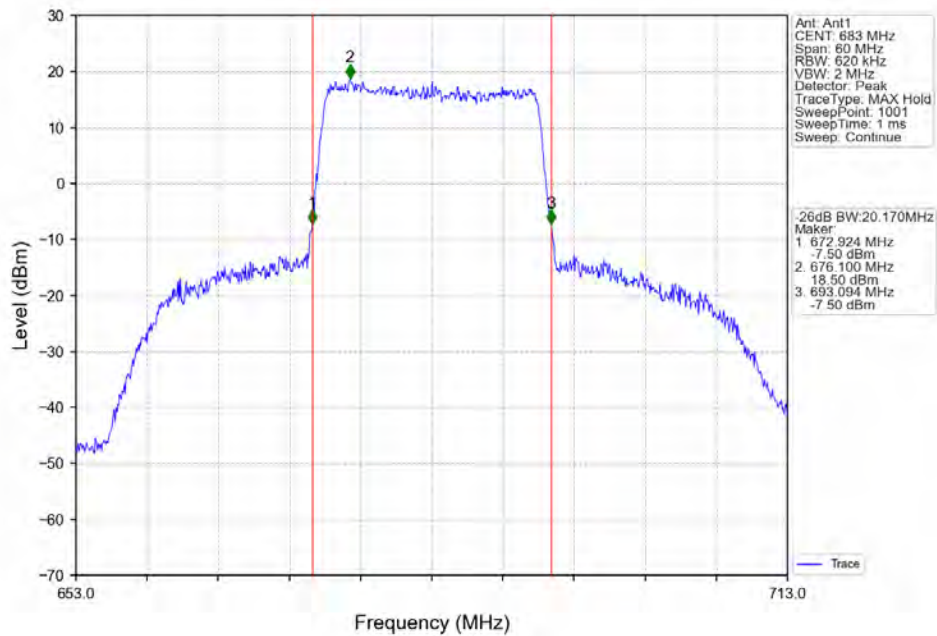
Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV



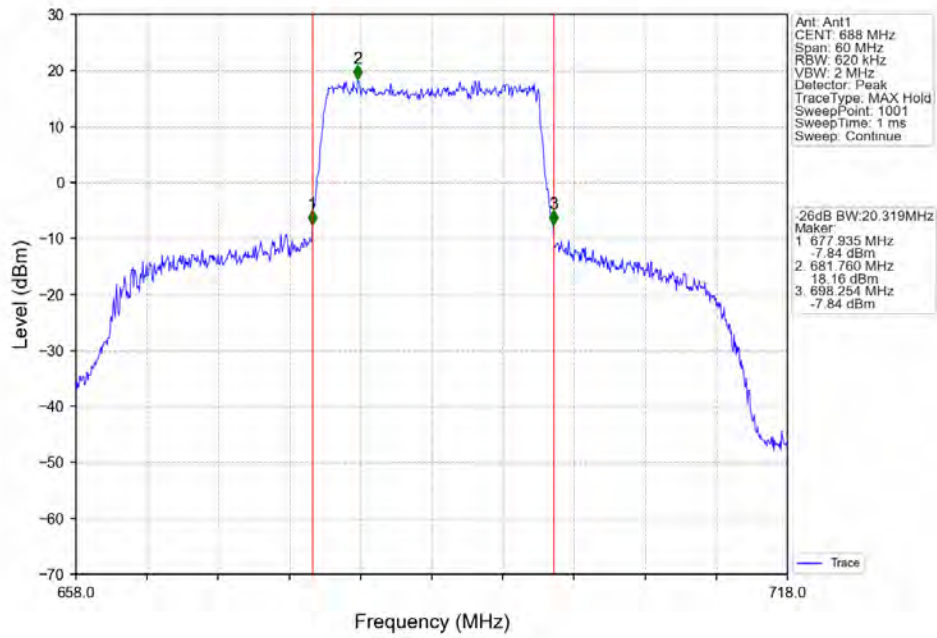
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



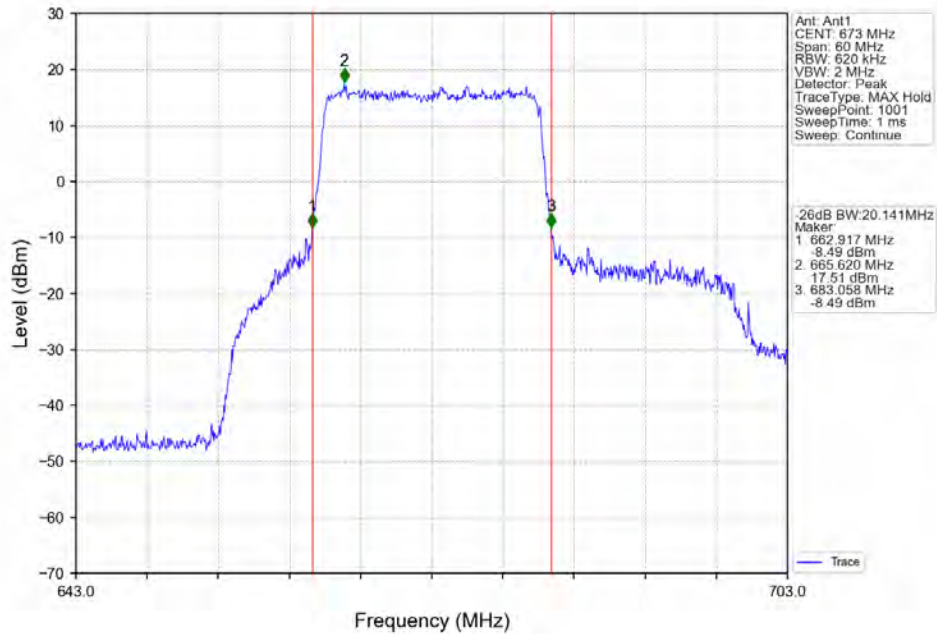
Band71 20MHz QPSK MCH 683MHz RB 100 0 NTNV



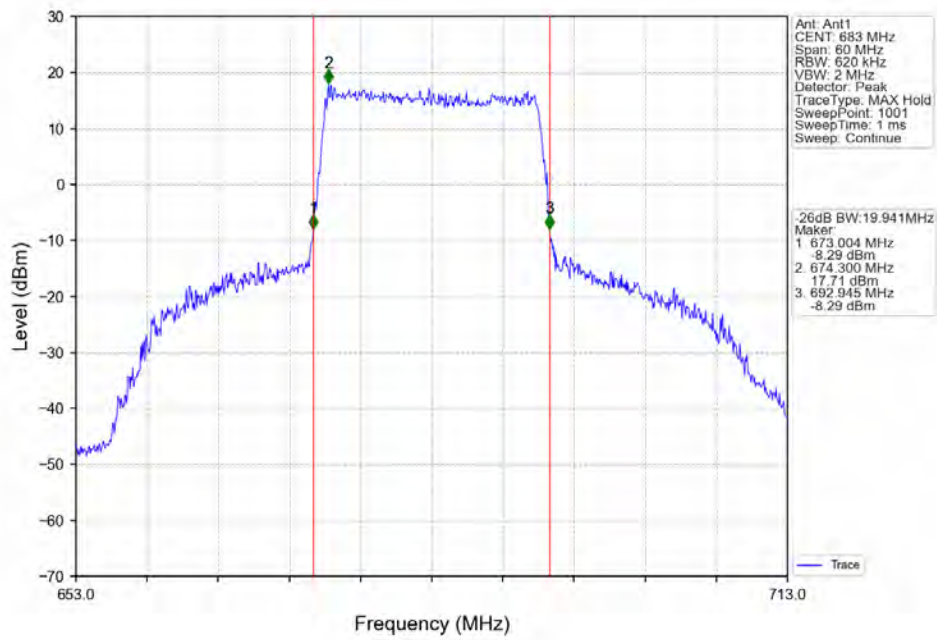
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



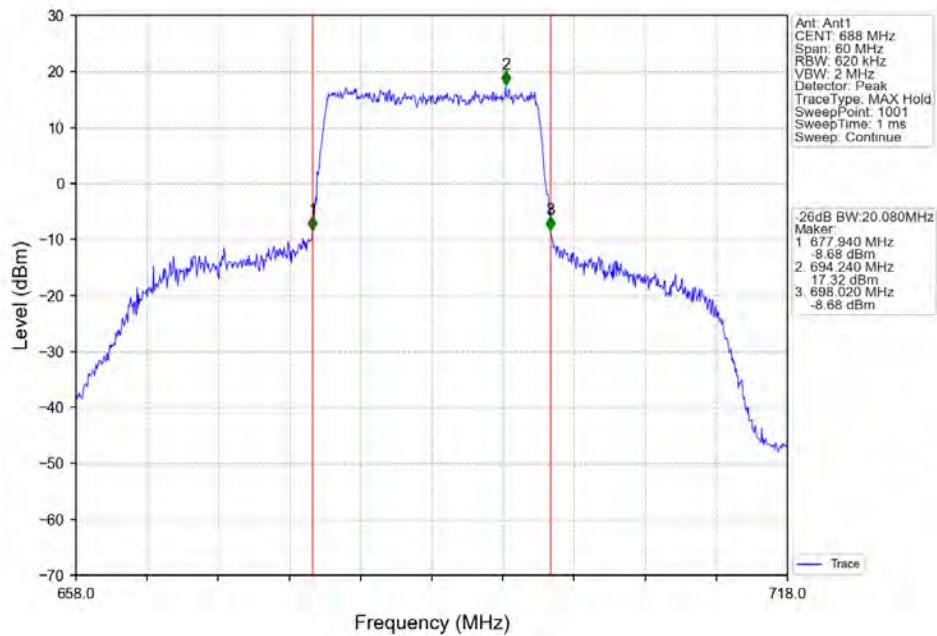
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



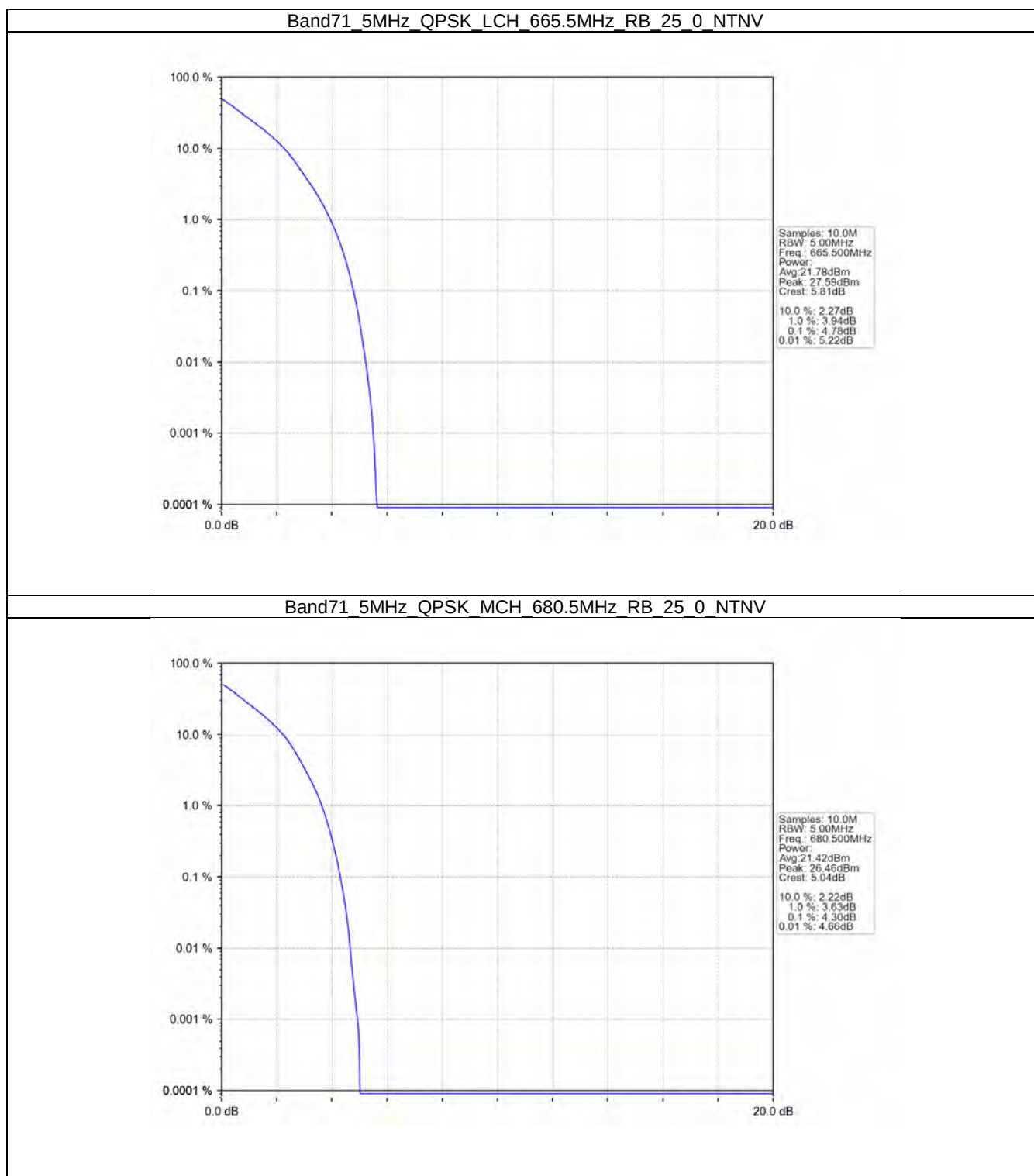
5. Peak-Average Ratio

5.1 B71_5MHz

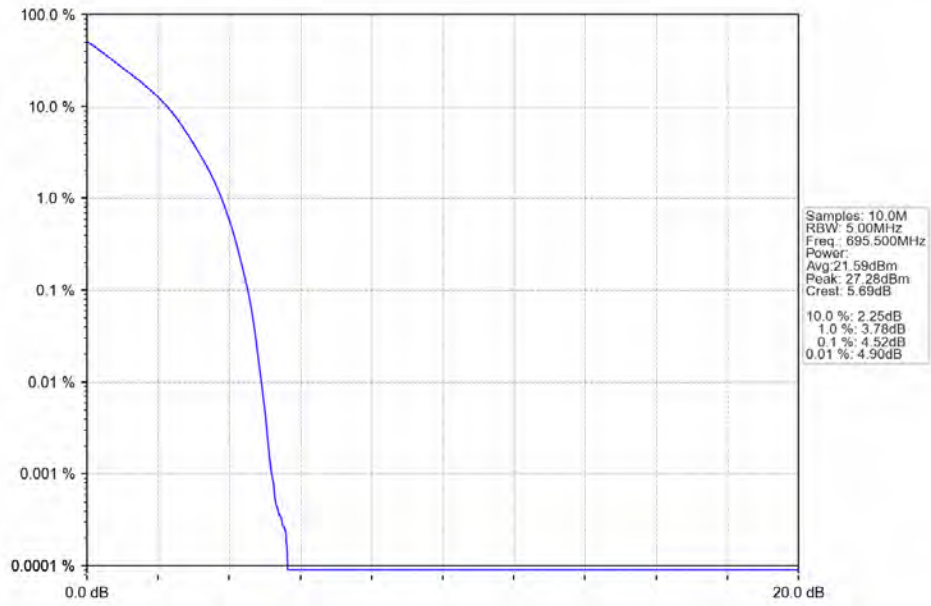
5.1.1 Test Result

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	4.78	<=13	Pass
	680.5	25	0	4.30	<=13	Pass
	695.5	25	0	4.52	<=13	Pass
16QAM	665.5	25	0	5.49	<=13	Pass
	680.5	25	0	5.08	<=13	Pass
	695.5	25	0	5.28	<=13	Pass

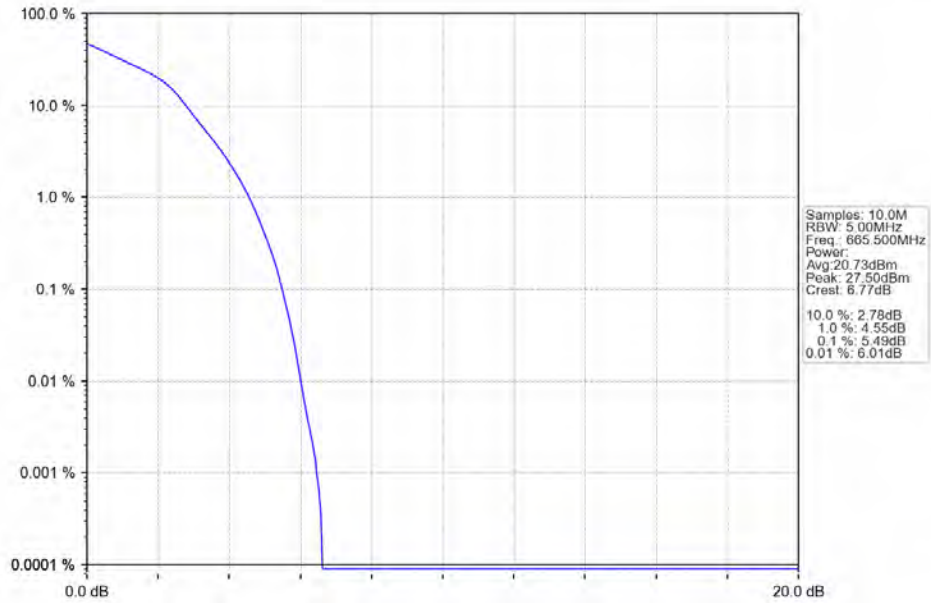
5.1.2 Test Graph



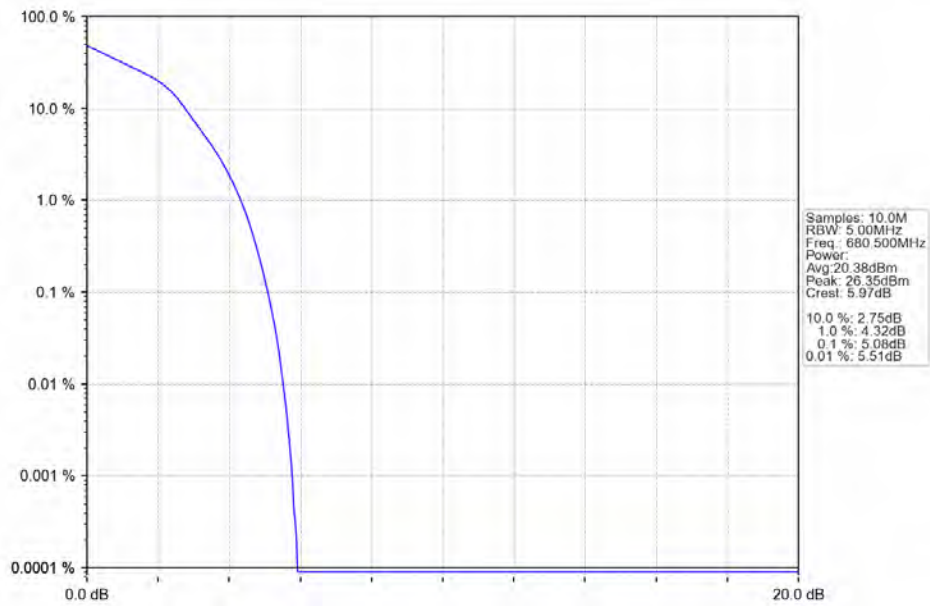
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



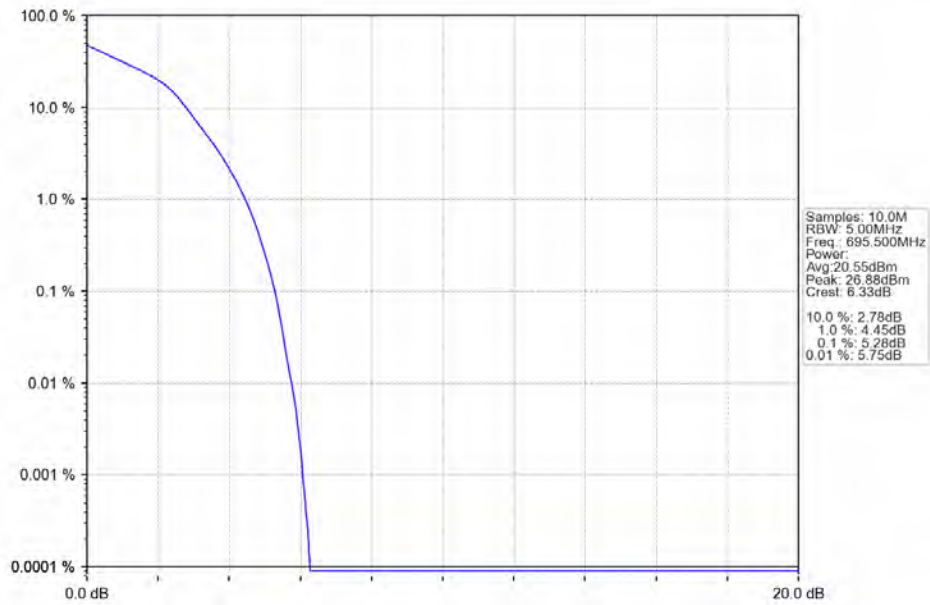
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTV



Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTV



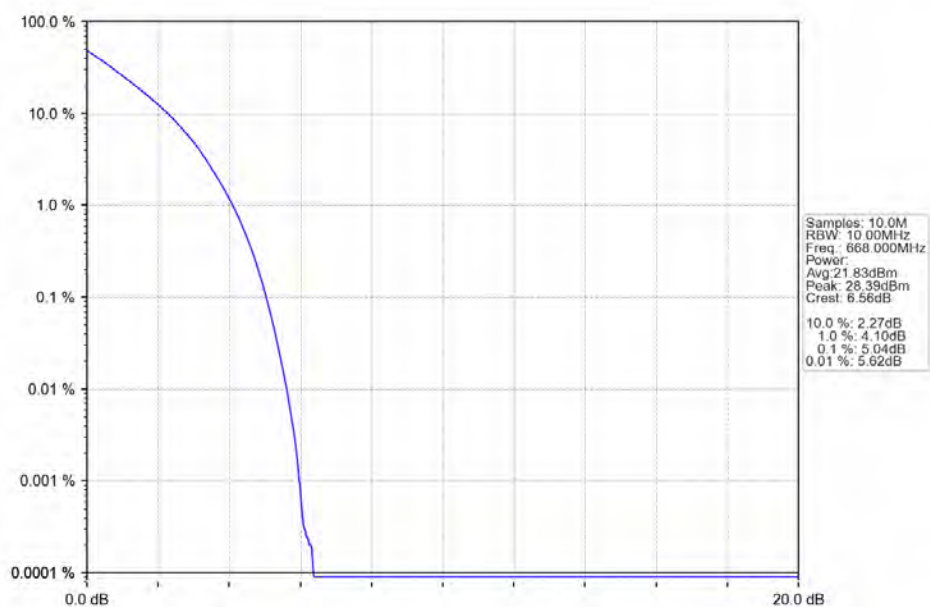
5.2 B71_10MHz

5.2.1 Test Result

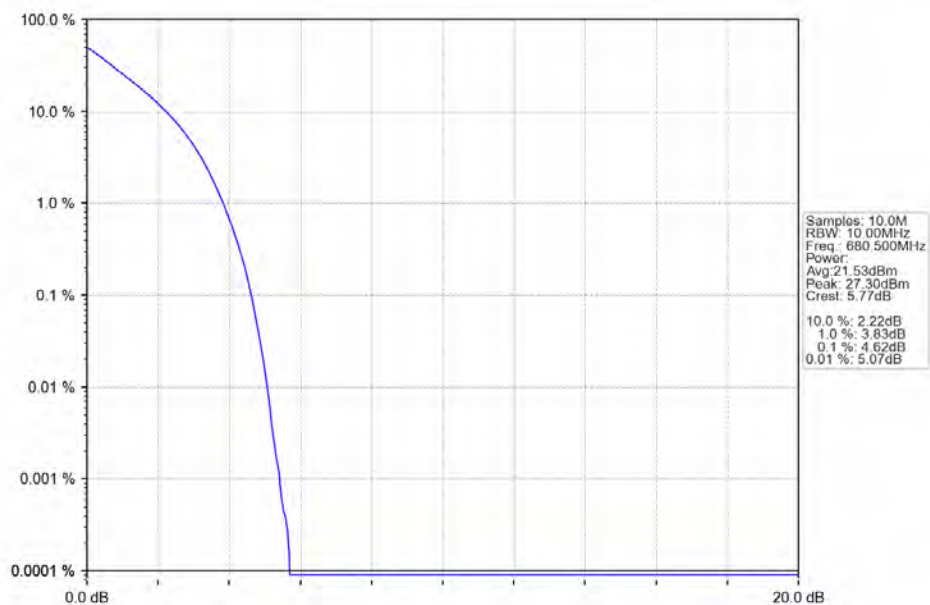
Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.04	<=13	Pass
	680.5	50	0	4.62	<=13	Pass
	693	50	0	4.93	<=13	Pass
16QAM	668	50	0	5.76	<=13	Pass
	680.5	50	0	5.37	<=13	Pass
	693	50	0	5.69	<=13	Pass

5.2.2 Test Graph

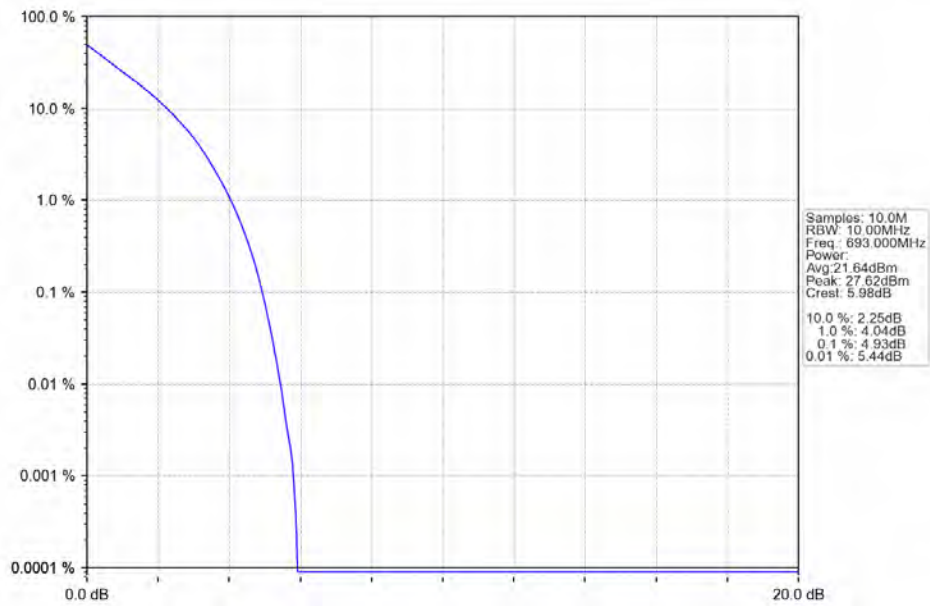
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



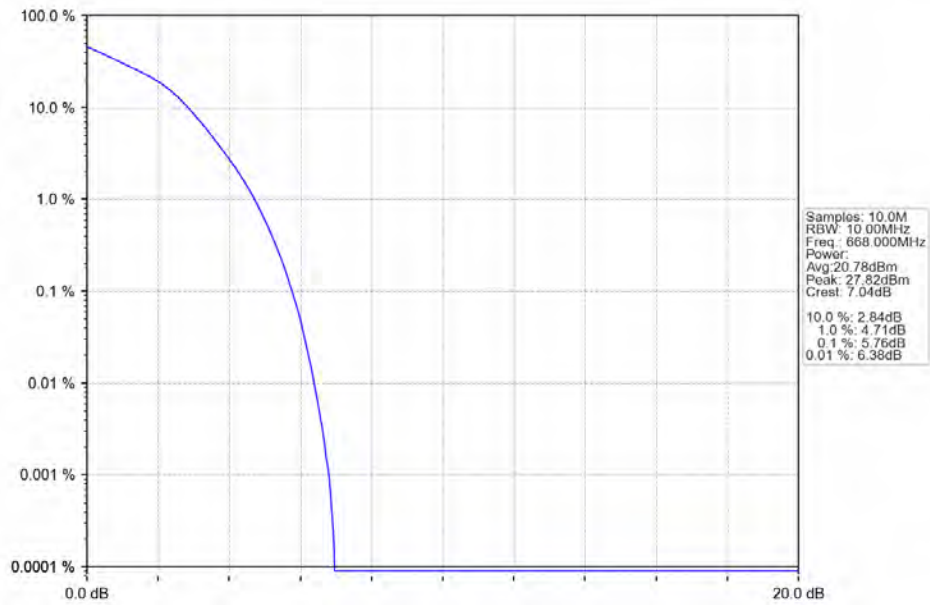
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



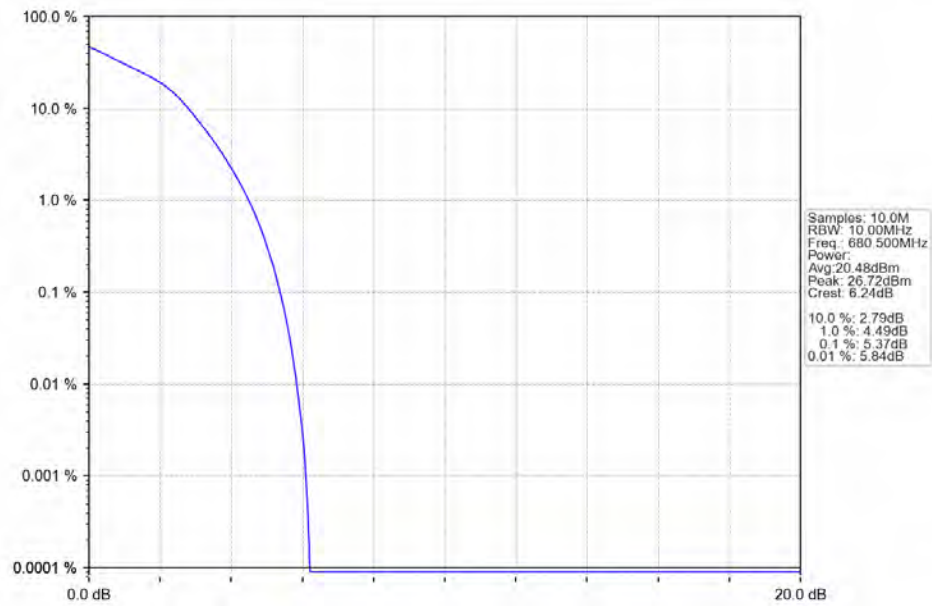
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



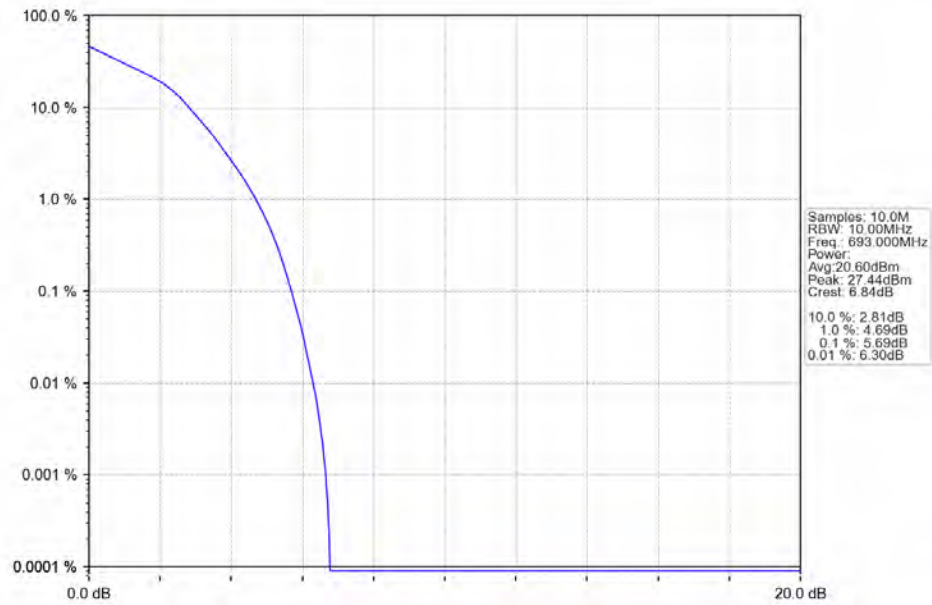
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



Band71 10MHz 16QAM MCH 680.5MHz RB 50 0 NTN



Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTN

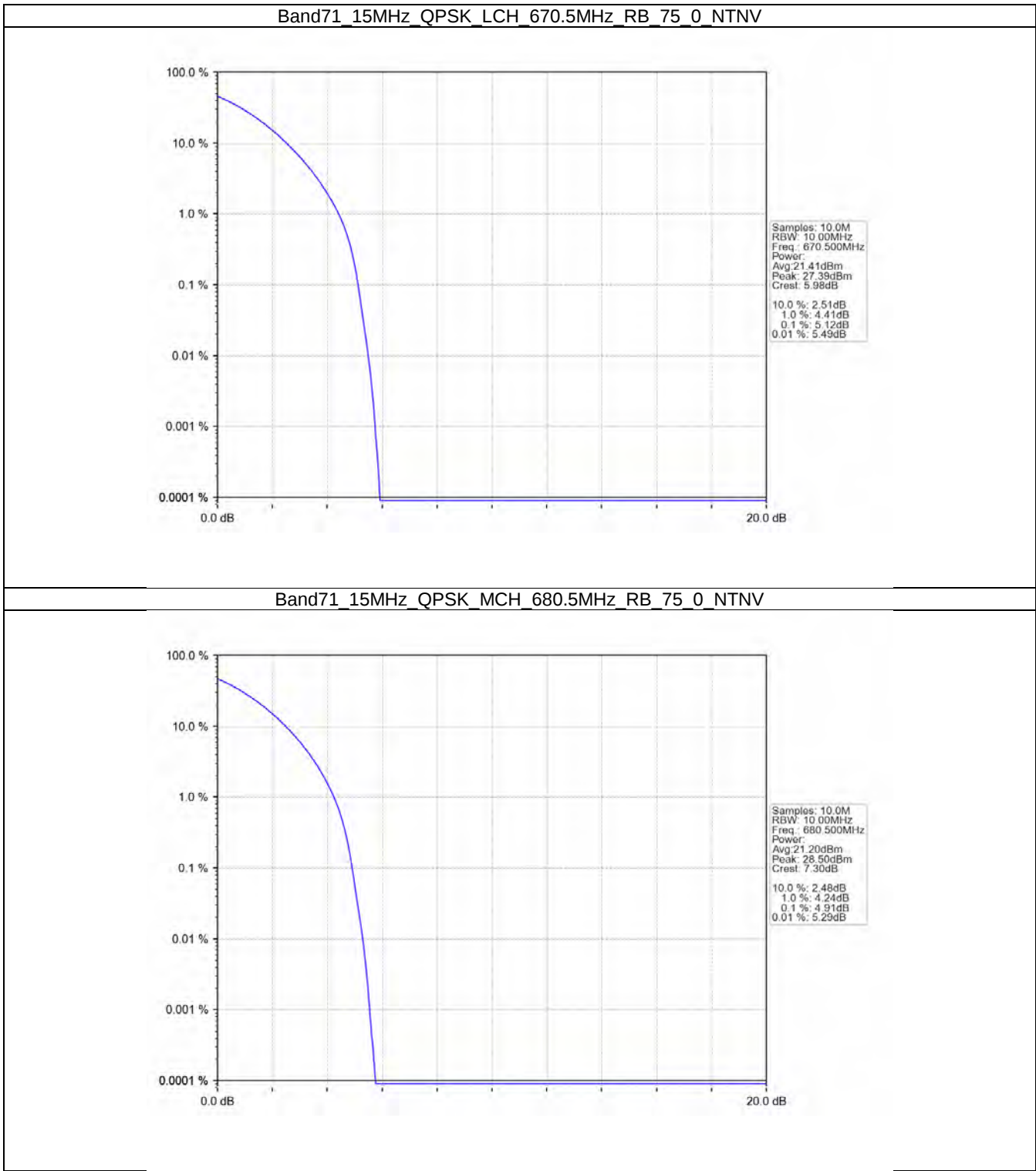


5.3 B71_15MHz

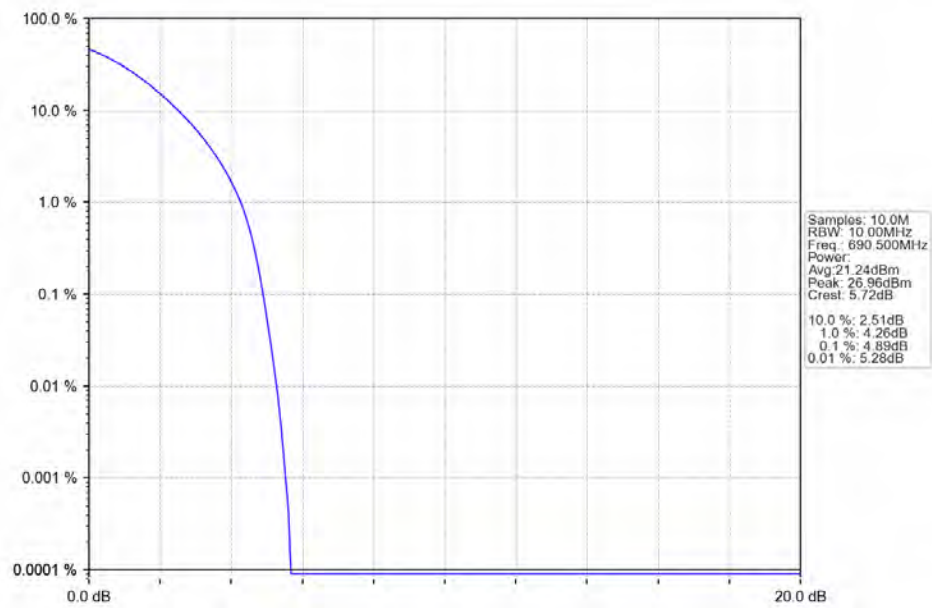
5.3.1 Test Result

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	5.12	<=13	Pass
	680.5	75	0	4.91	<=13	Pass
	690.5	75	0	4.89	<=13	Pass
16QAM	670.5	75	0	5.90	<=13	Pass
	680.5	75	0	5.70	<=13	Pass
	690.5	75	0	5.75	<=13	Pass

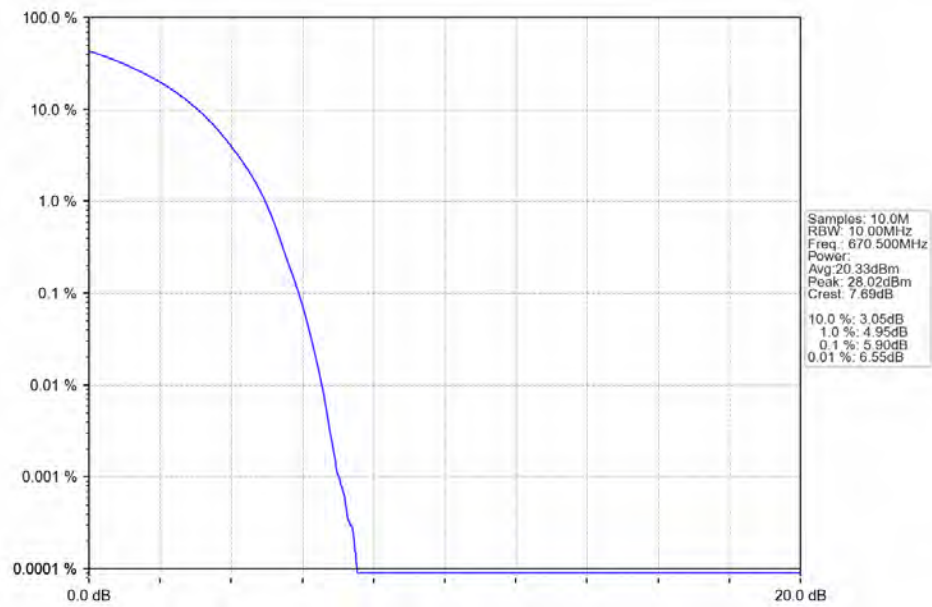
5.3.2 Test Graph



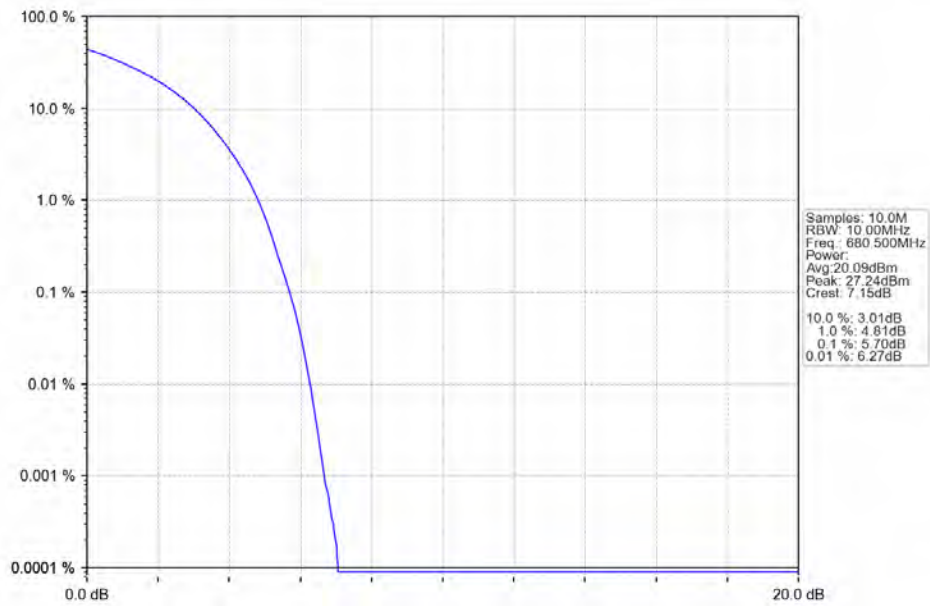
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTNV



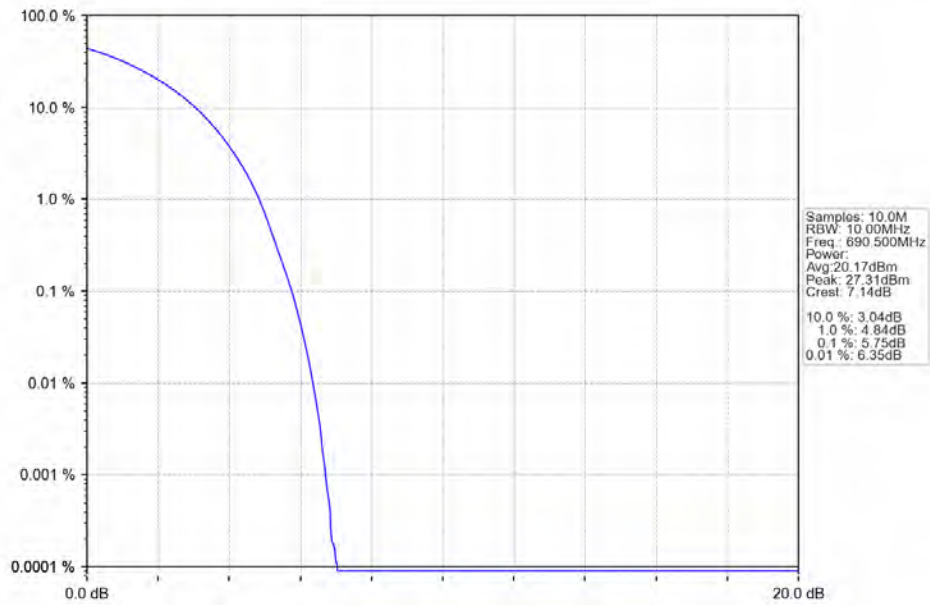
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTNV



Band71 15MHz 16QAM MCH 680.5MHz RB 75.0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 75.0 NTNV

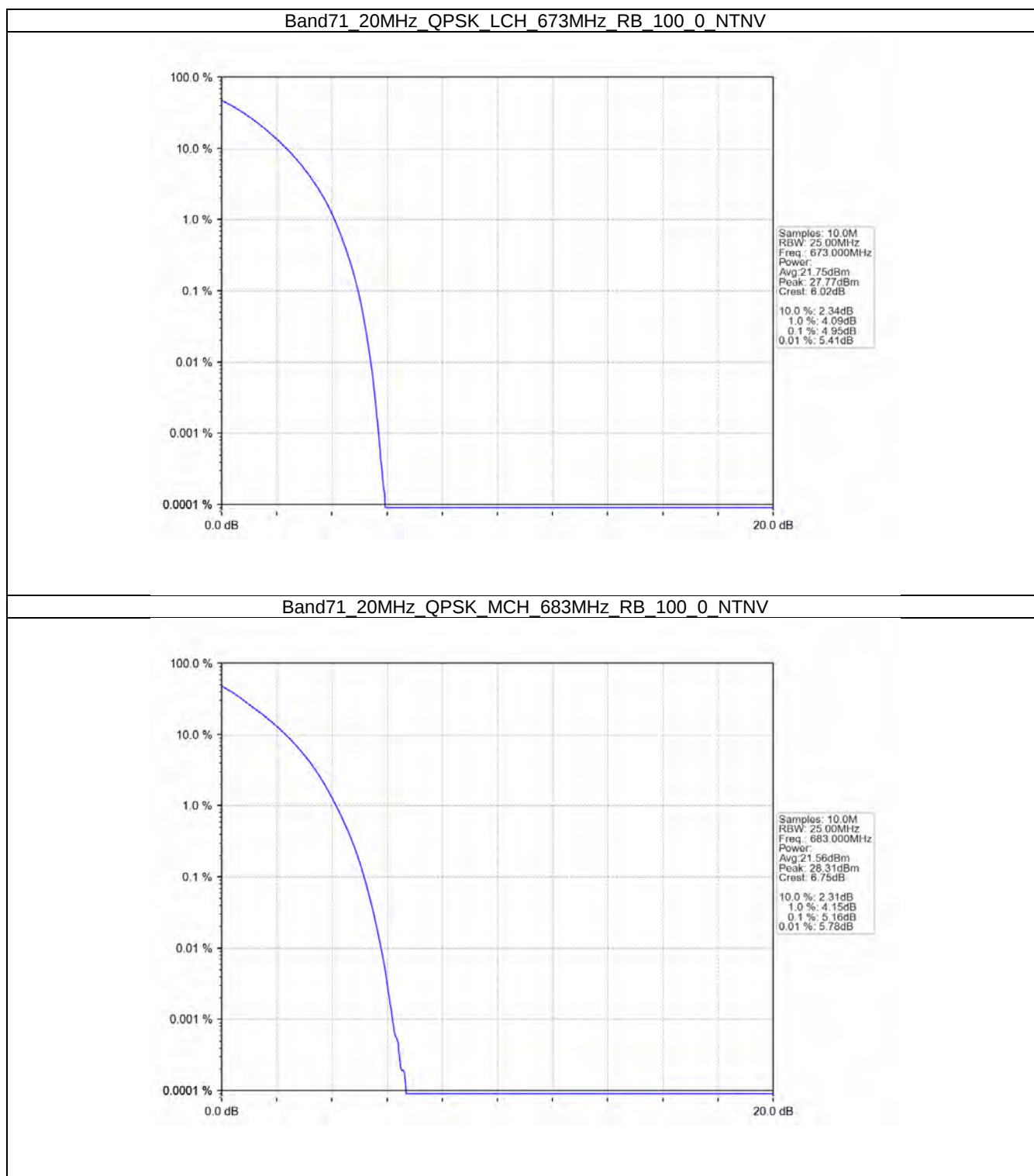


5.4 B71_20MHz

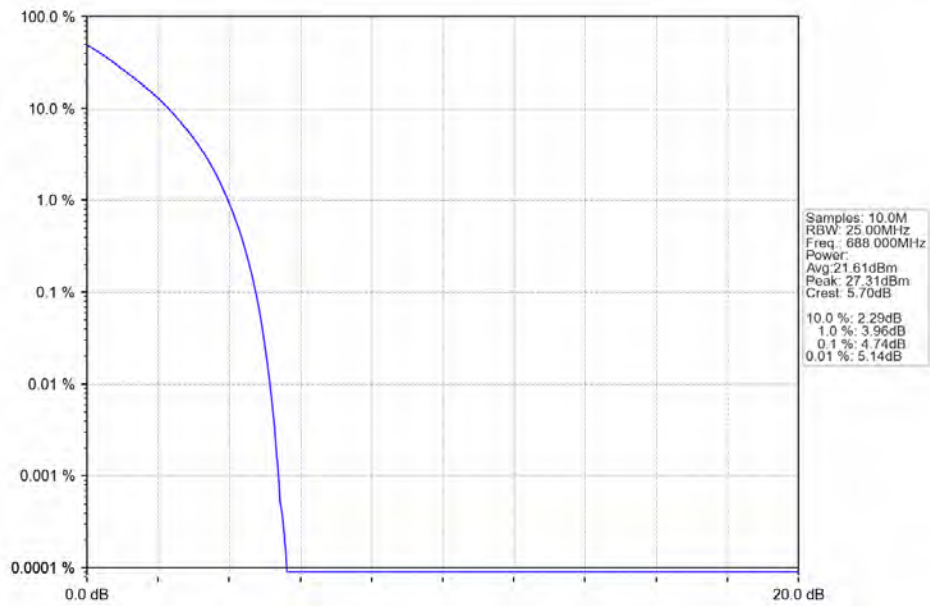
5.4.1 Test Result

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	4.95	<=13	Pass
	683	100	0	5.16	<=13	Pass
	688	100	0	4.74	<=13	Pass
16QAM	673	100	0	5.71	<=13	Pass
	683	100	0	5.80	<=13	Pass
	688	100	0	5.54	<=13	Pass

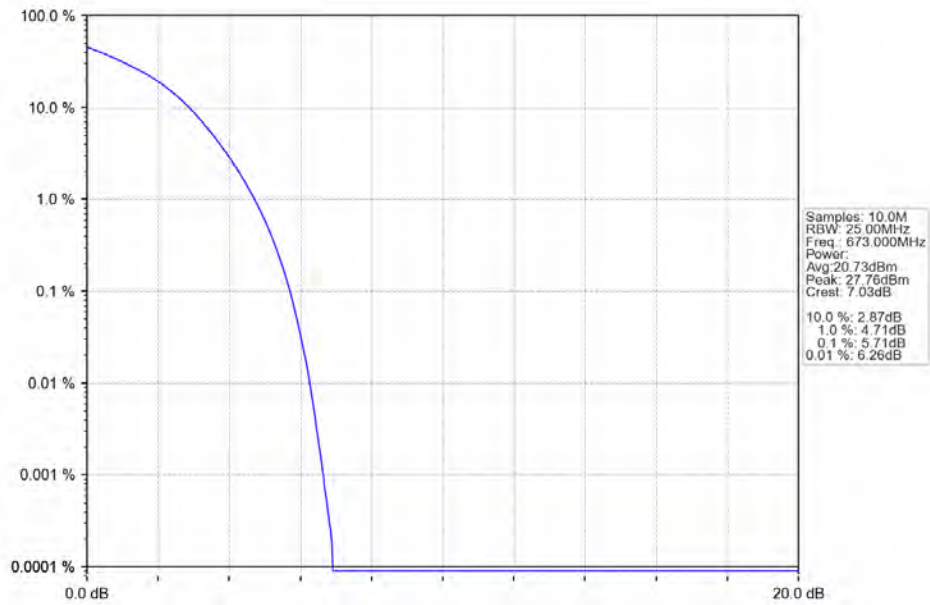
5.4.2 Test Graph



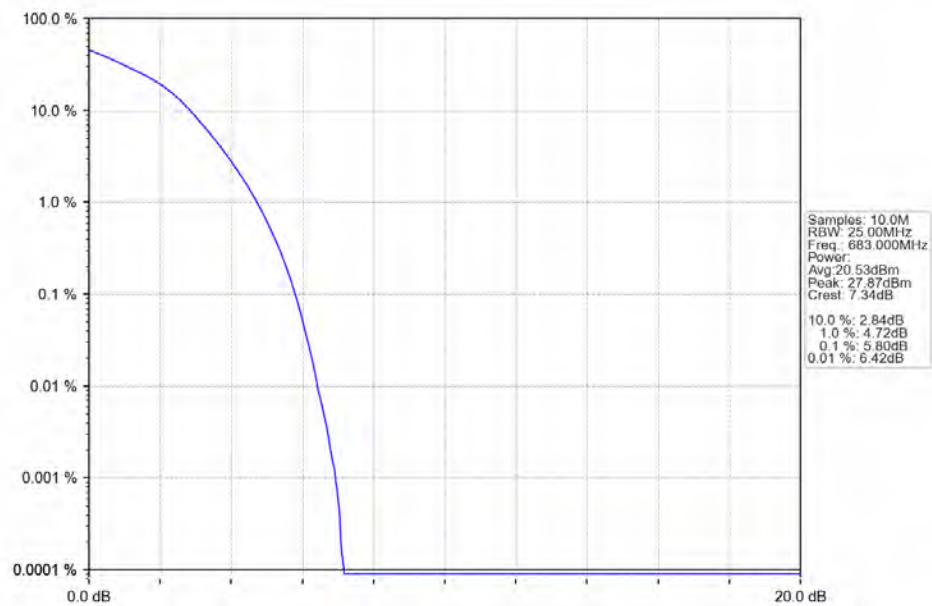
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



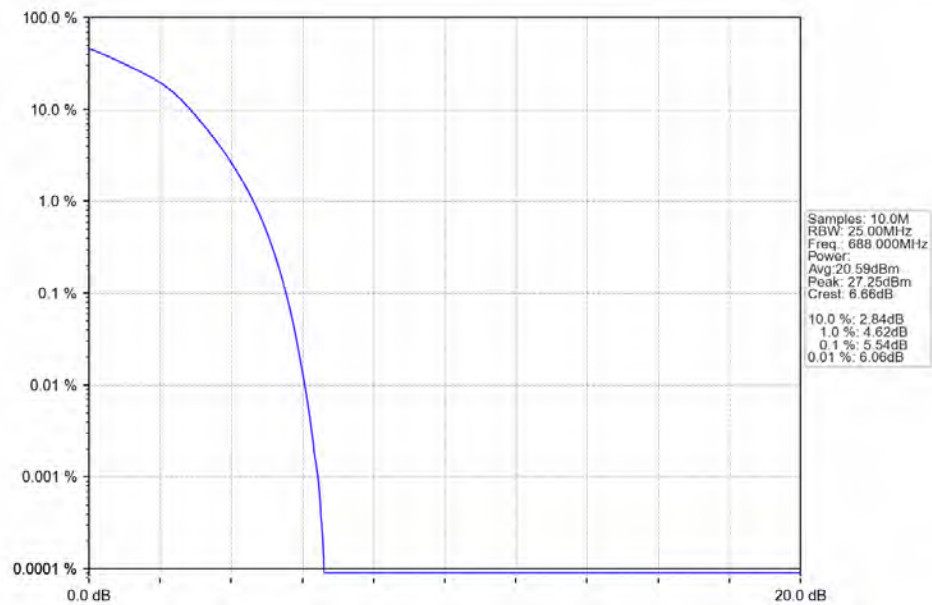
Band71 20MHz 16QAM LCH 673MHz RB 100 0 NTNV



Band71 20MHz 16QAM MCH 683MHz RB 100 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTNV



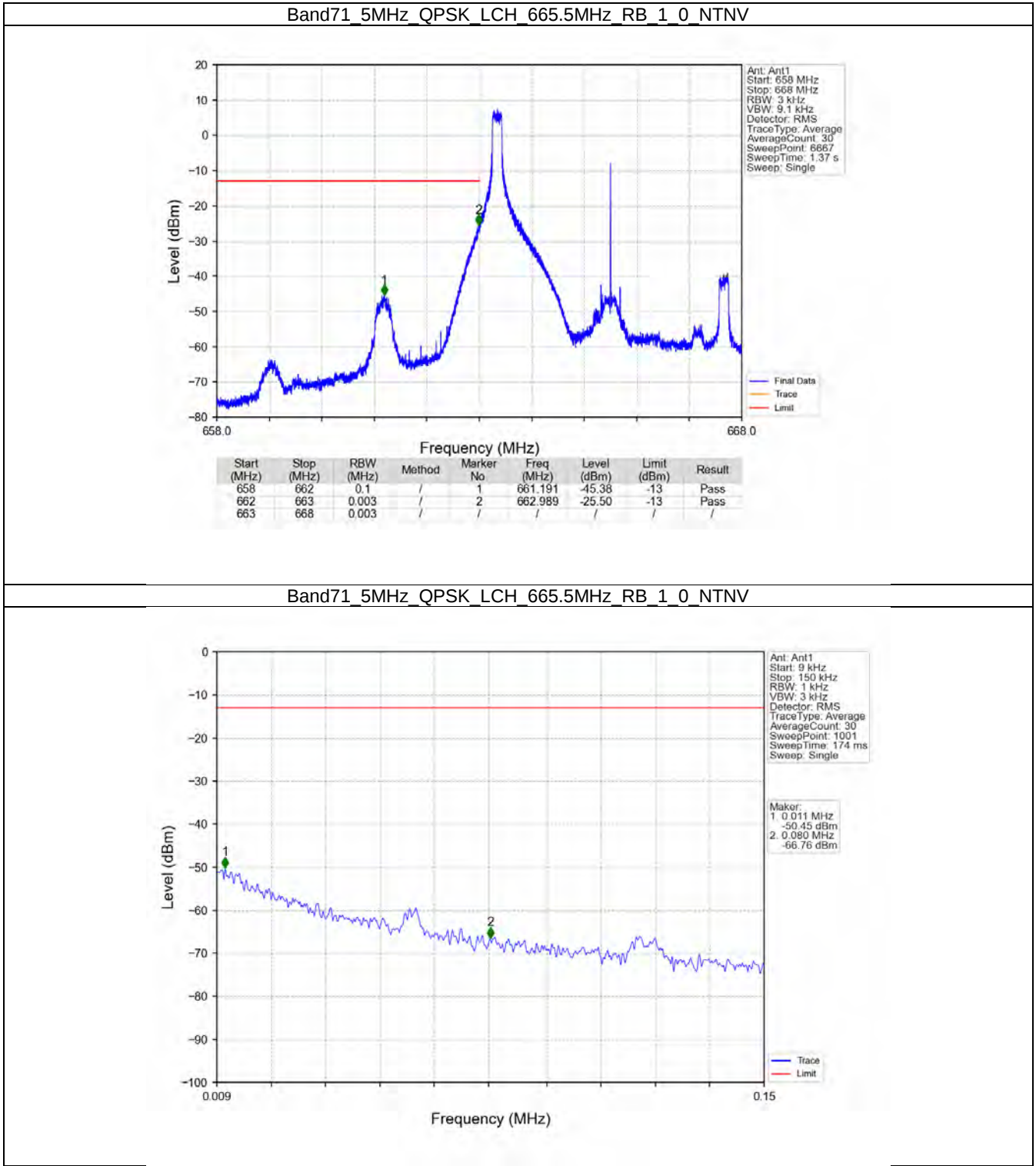
6. Spurious Emission

6.1 B71_5MHz

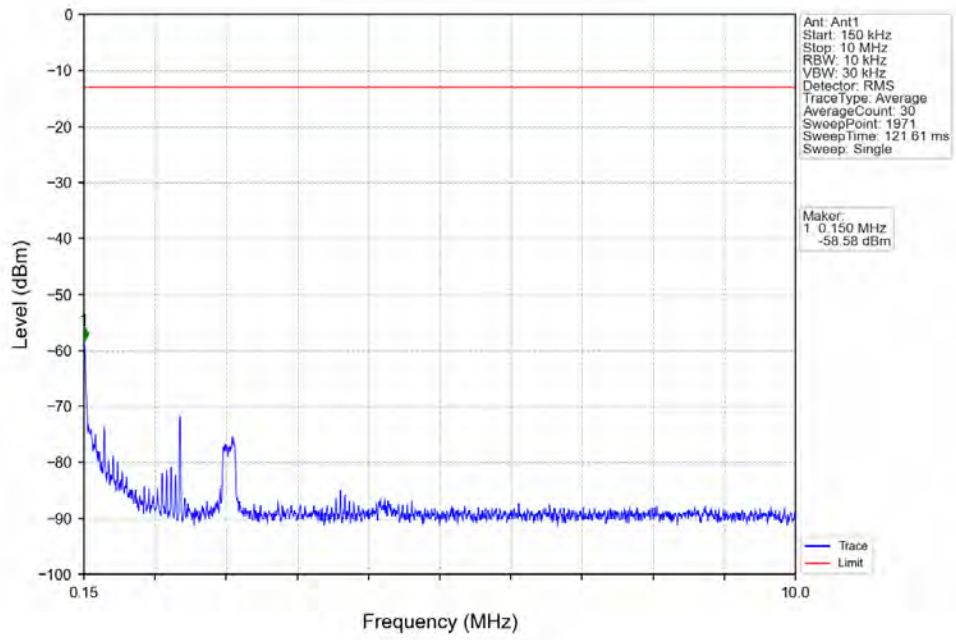
6.1.1 Test Result

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

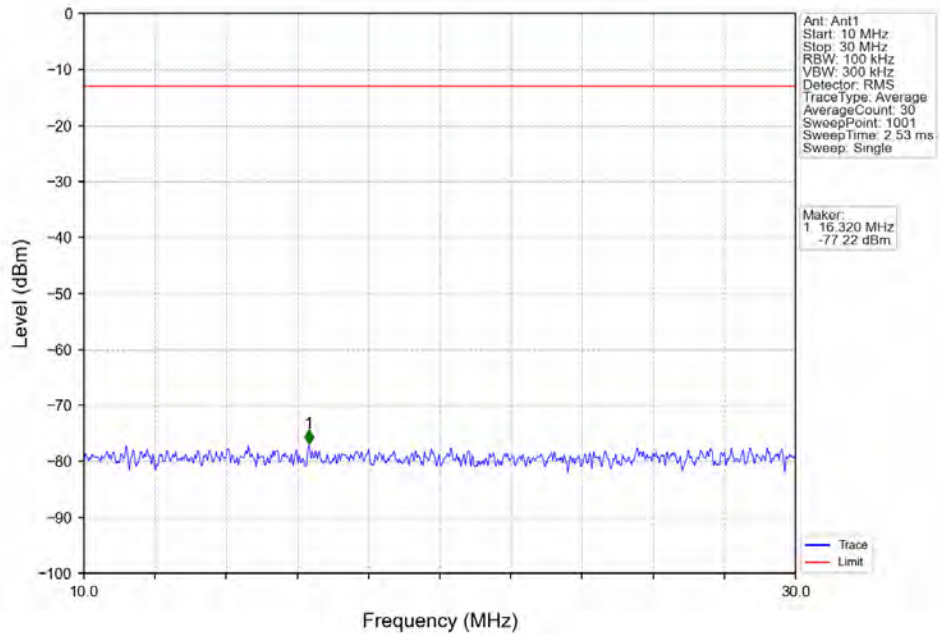
6.1.2 Test Graph



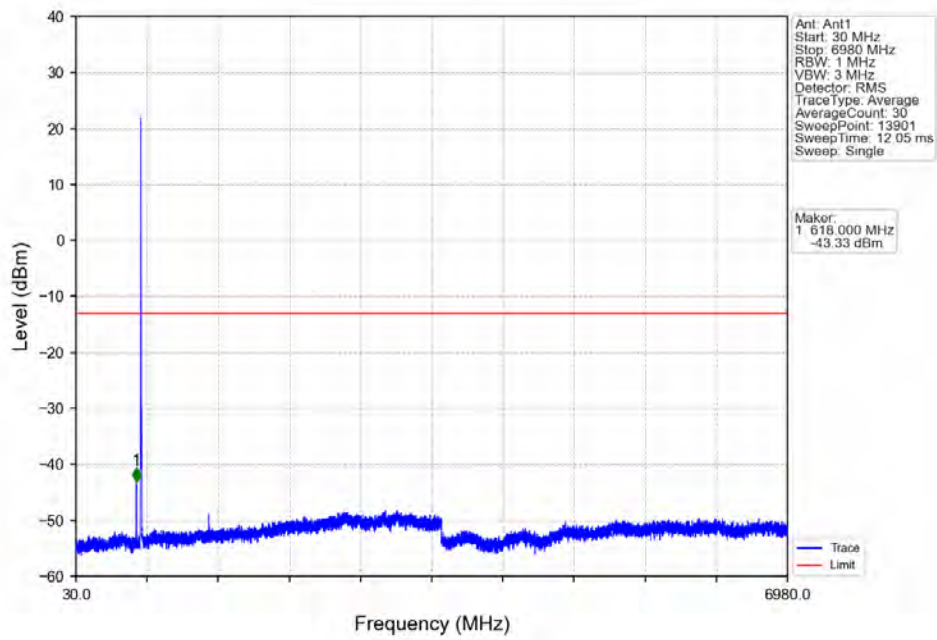
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTN



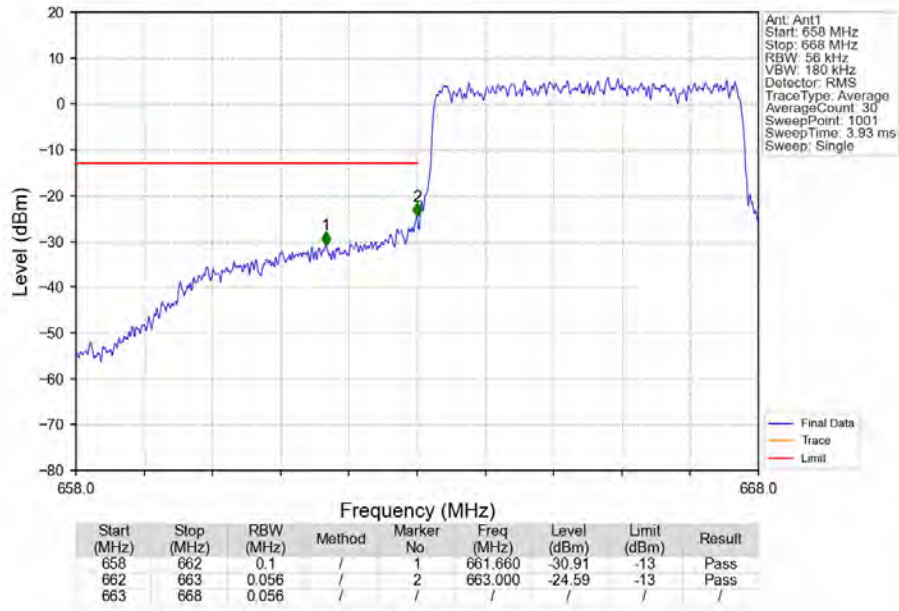
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTN



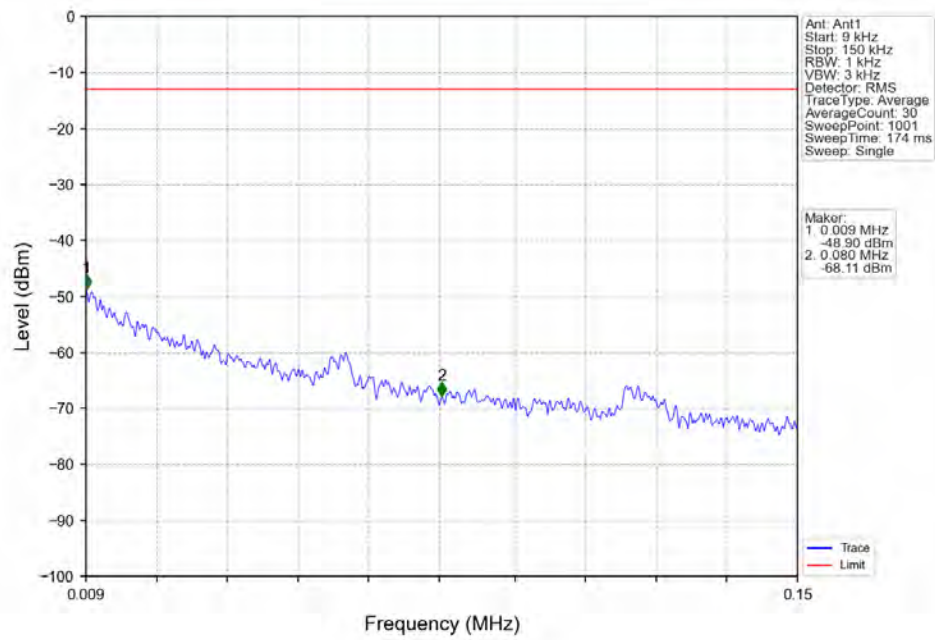
Band71 5MHz QPSK LCH 665.5MHz RB 1 0 NTNV



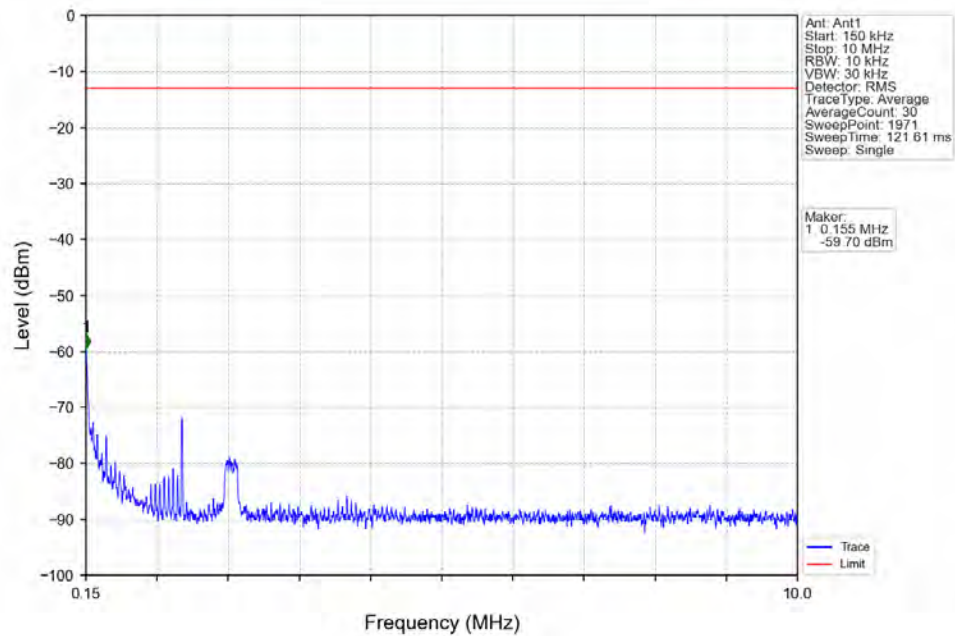
Band71 5MHz QPSK LCH 665.5MHz RB 25 0 NTNV



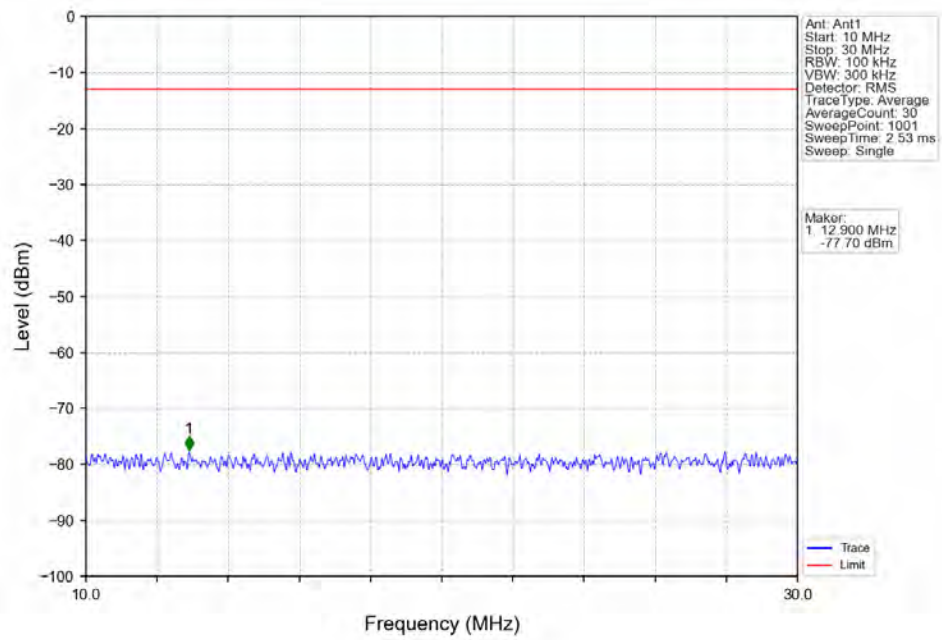
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



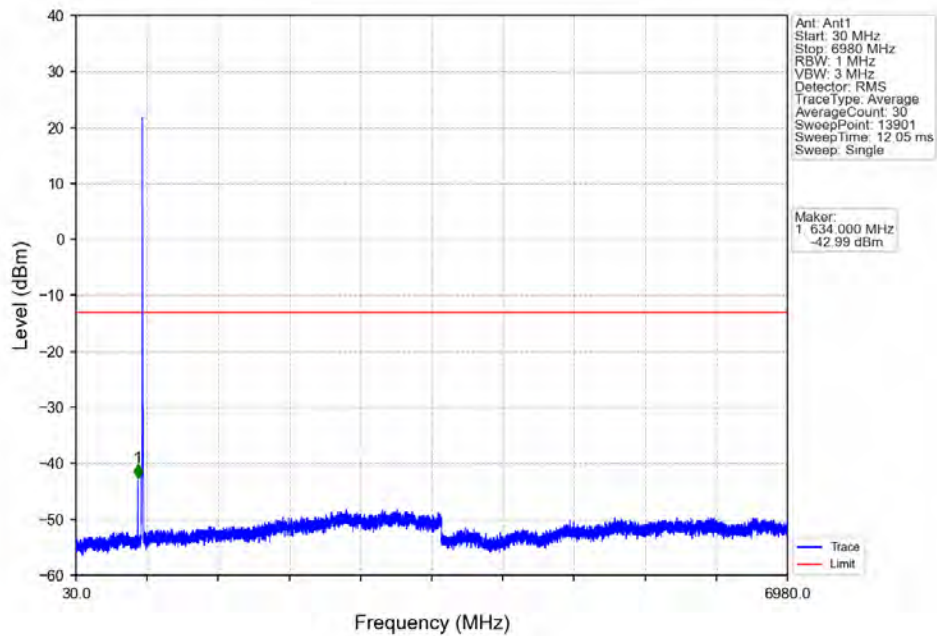
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



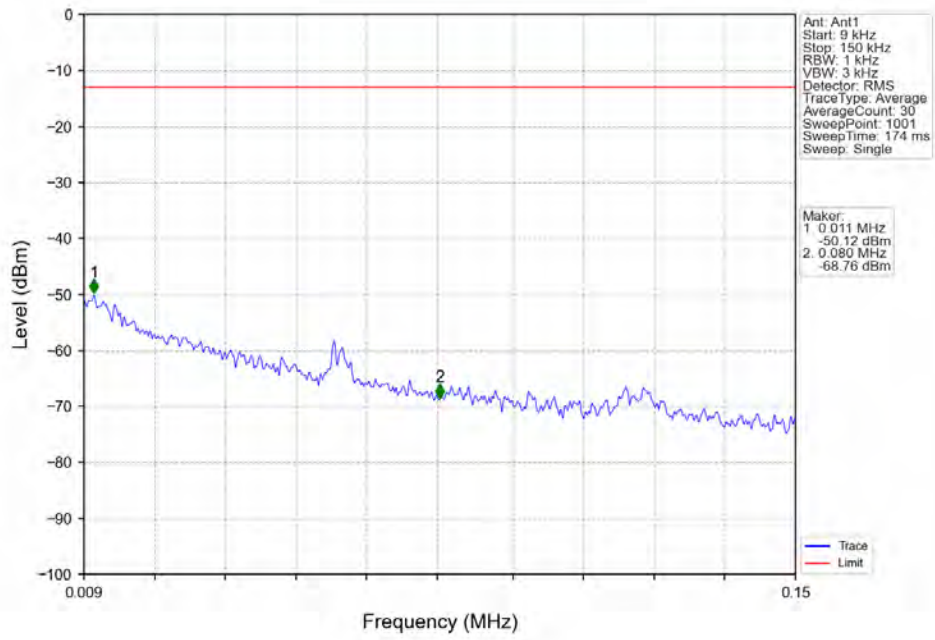
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



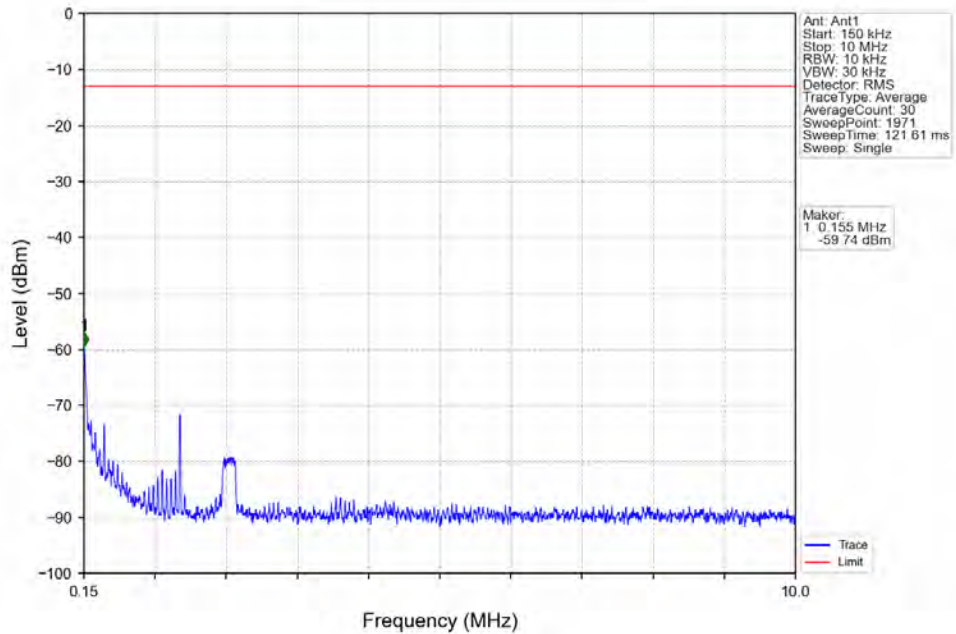
Band71 5MHz QPSK MCH 680.5MHz RB 1 0 NTN



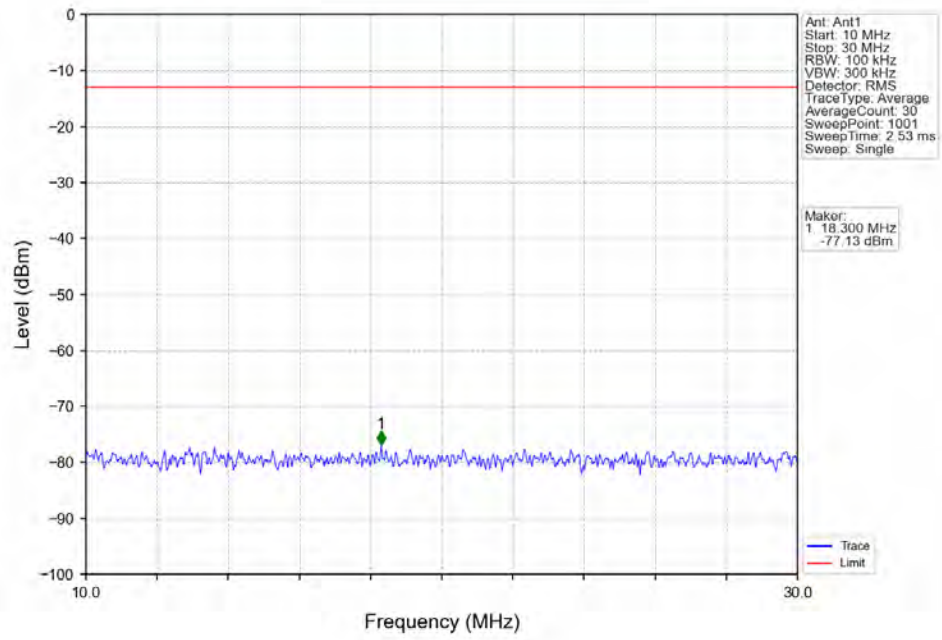
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN



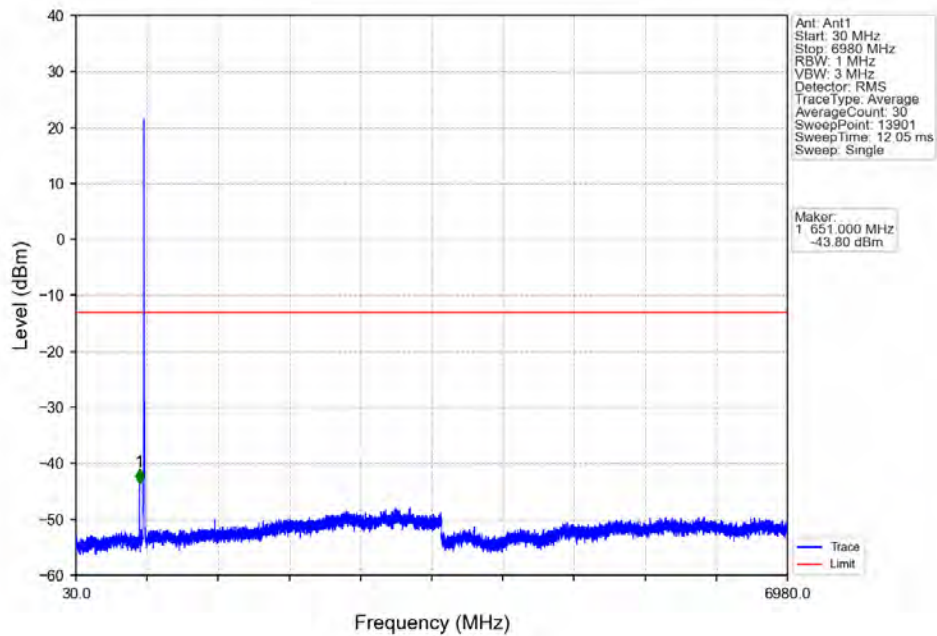
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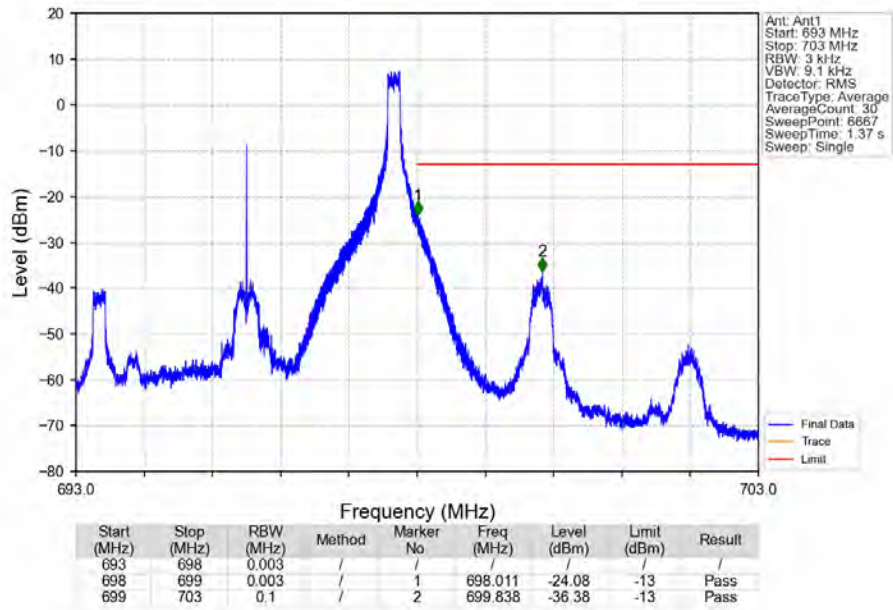
Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTNV



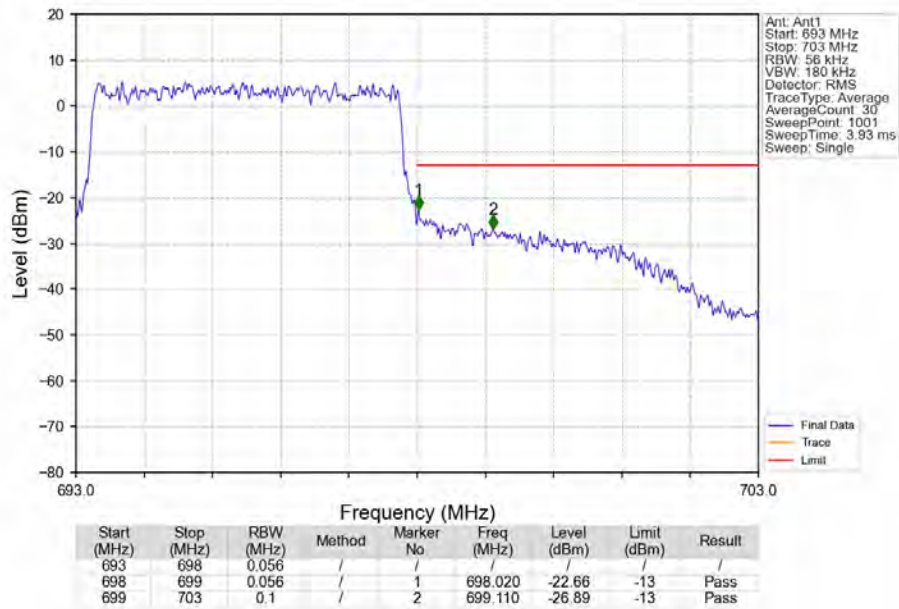
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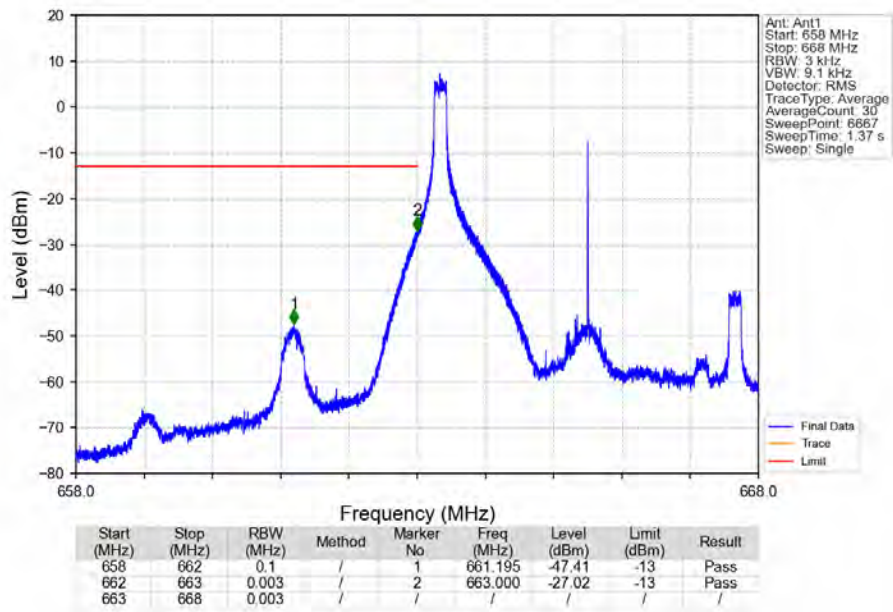
Band71 5MHz QPSK HCH 695.5MHz RB 1 24 NTV



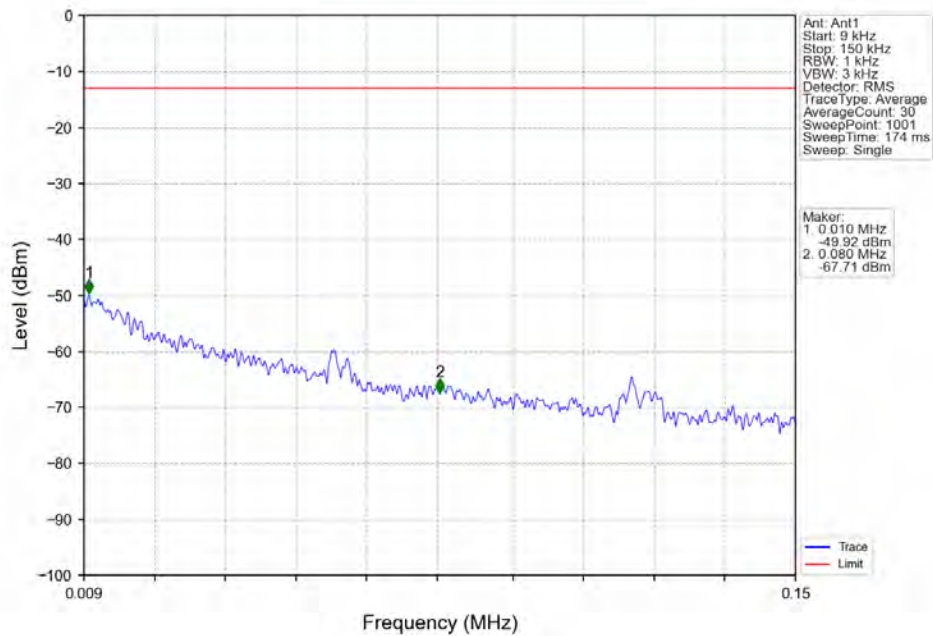
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



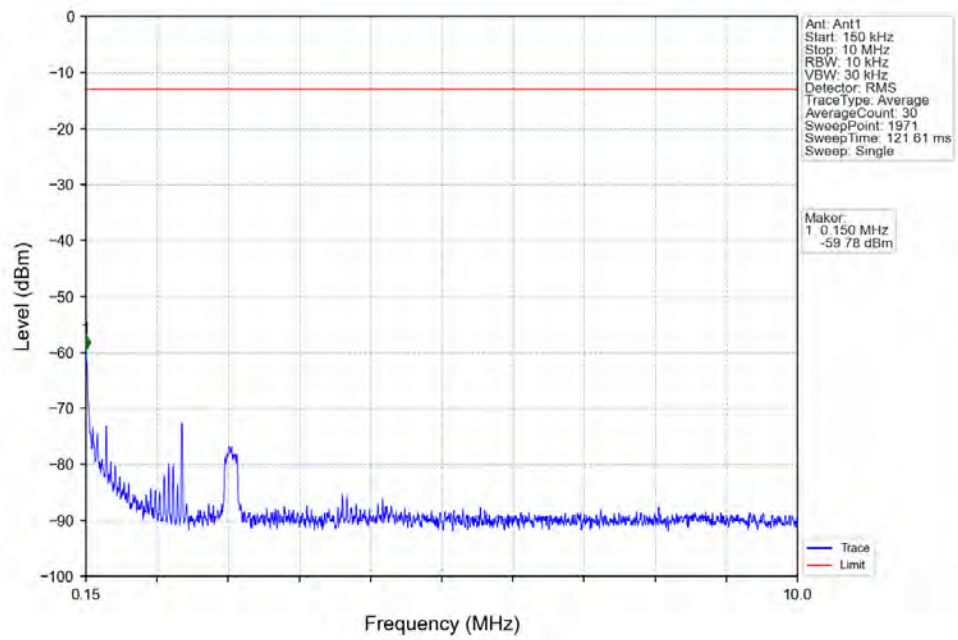
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV



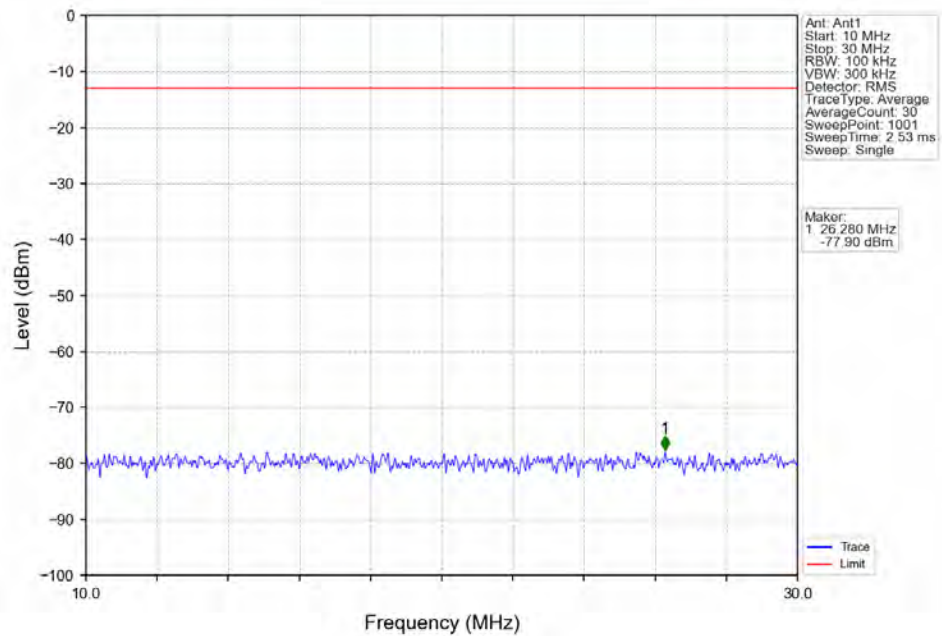
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTV



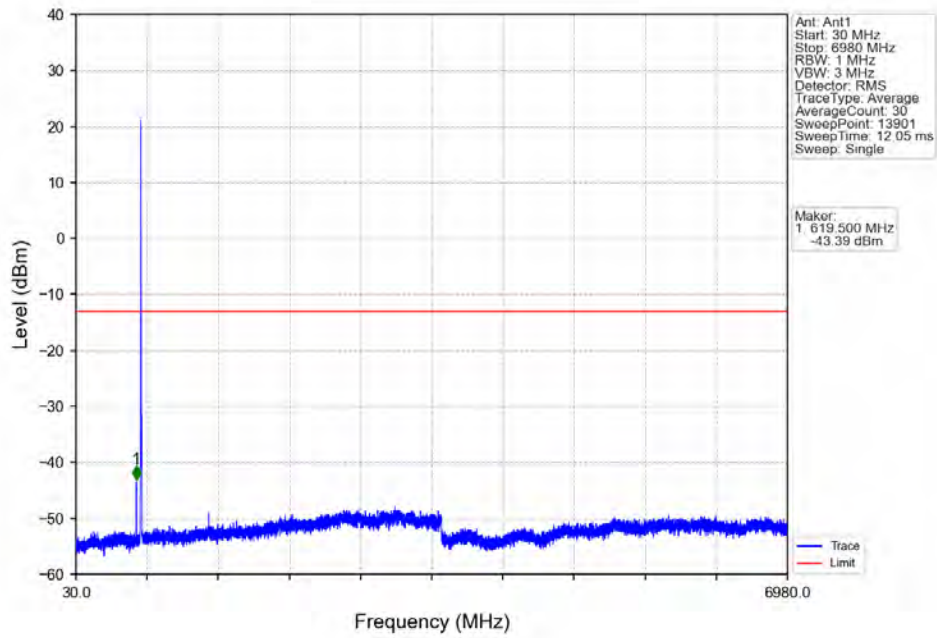
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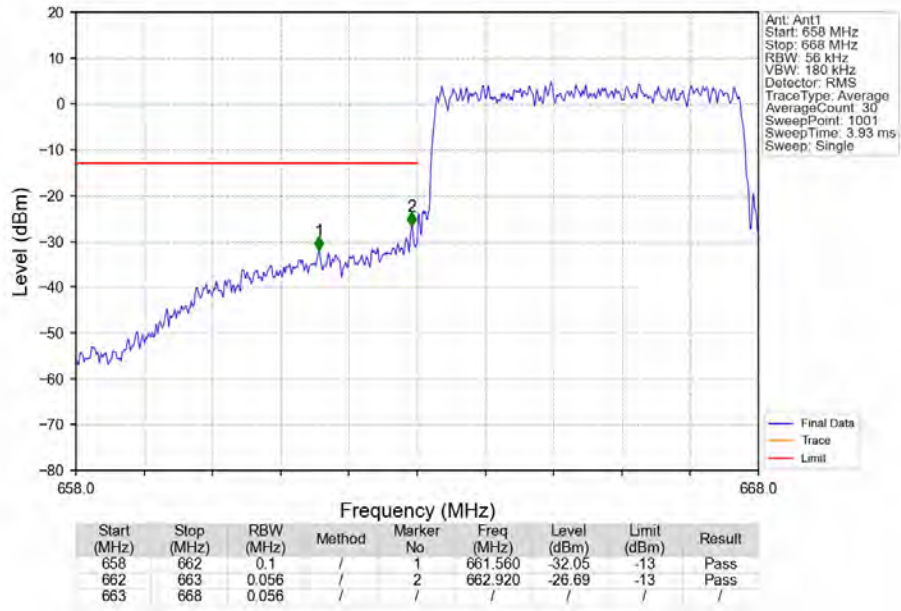
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



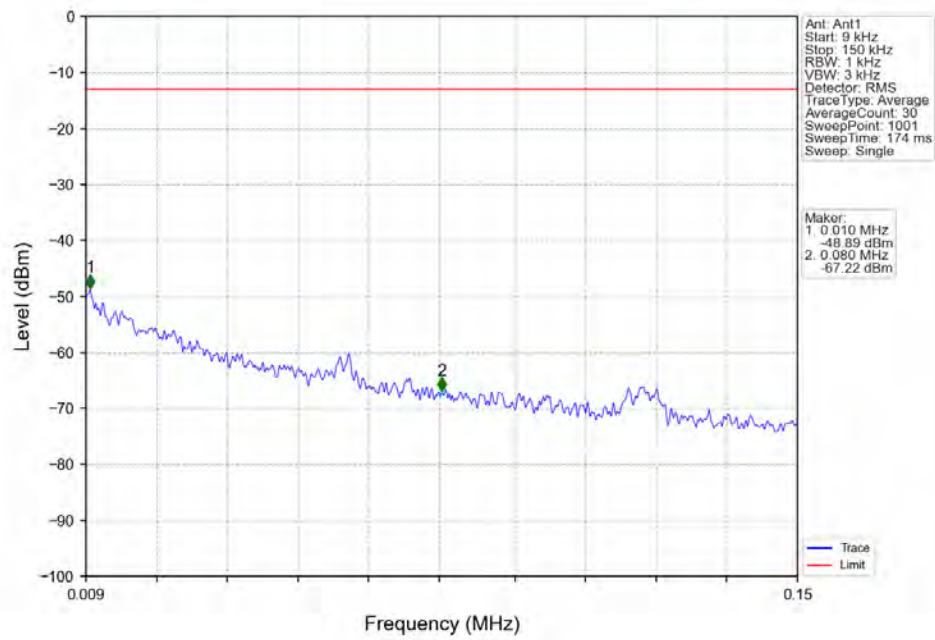
Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV



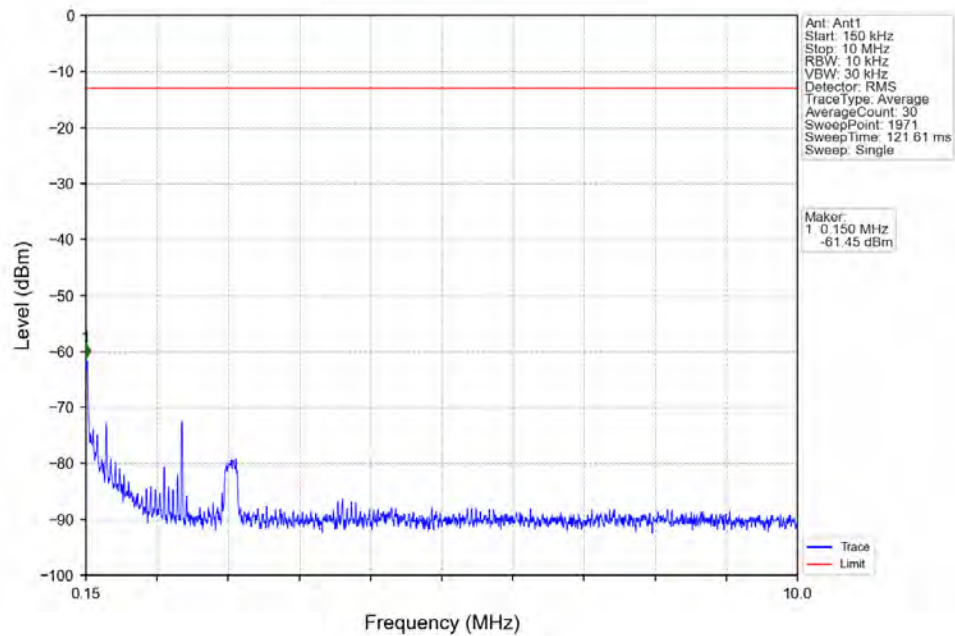
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



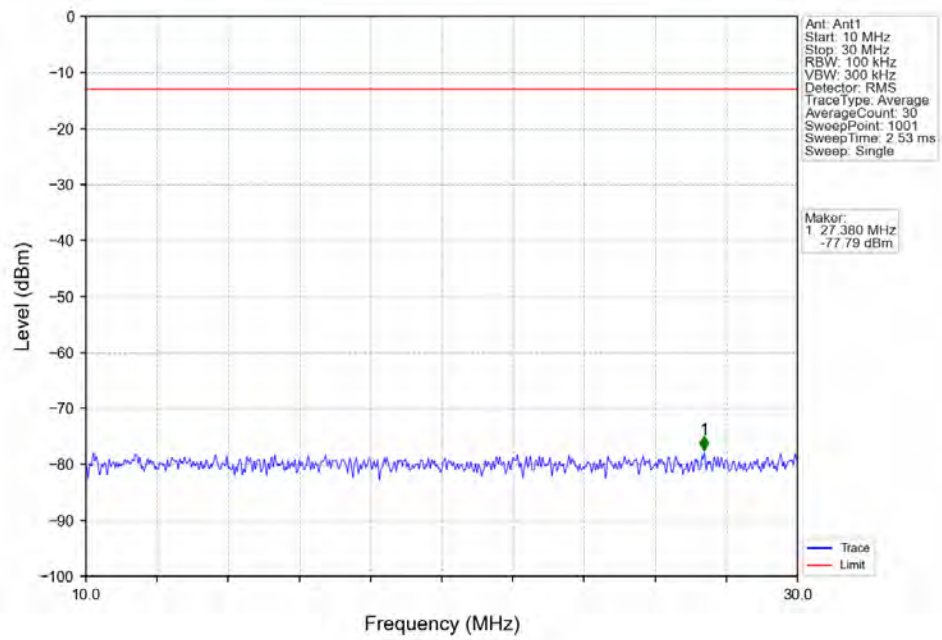
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



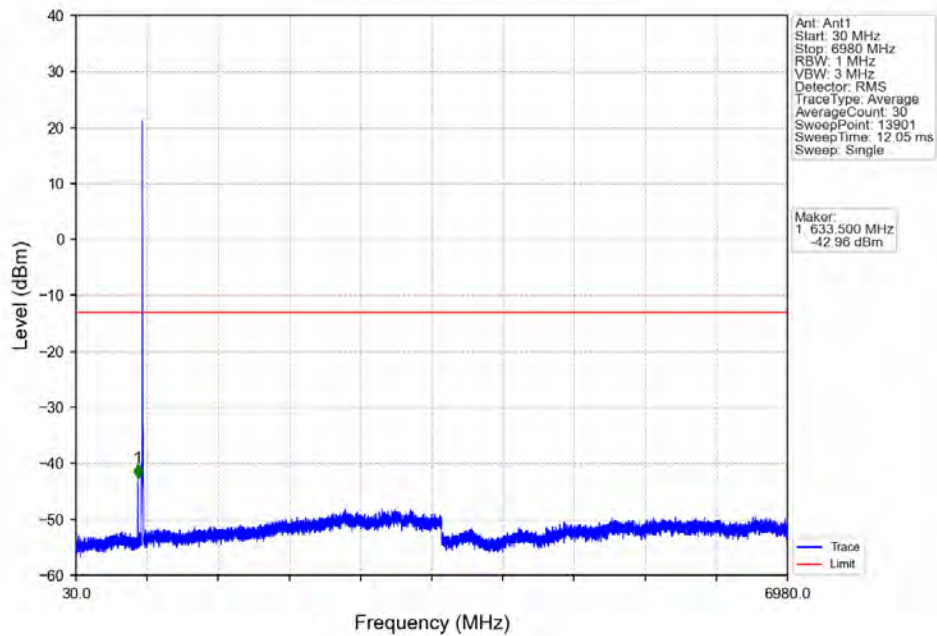
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



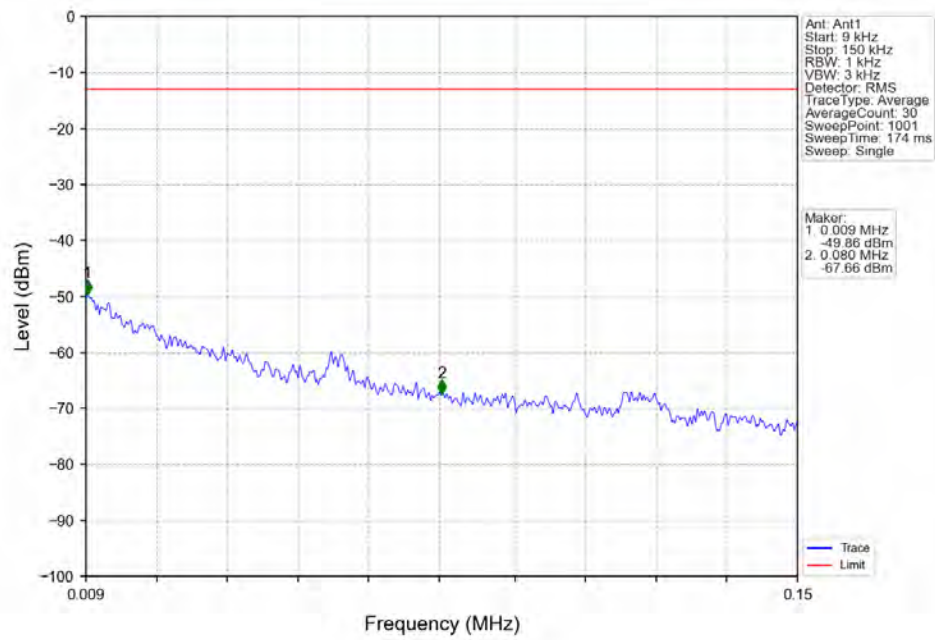
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTV



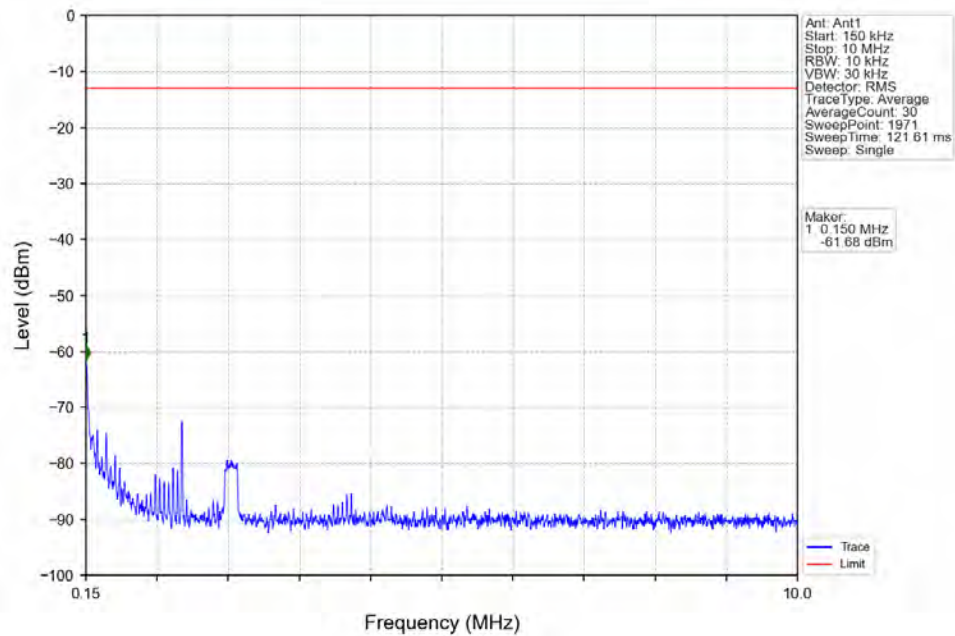
Band71 5MHz 16QAM MCH 680.5MHz RB 1 0 NTV



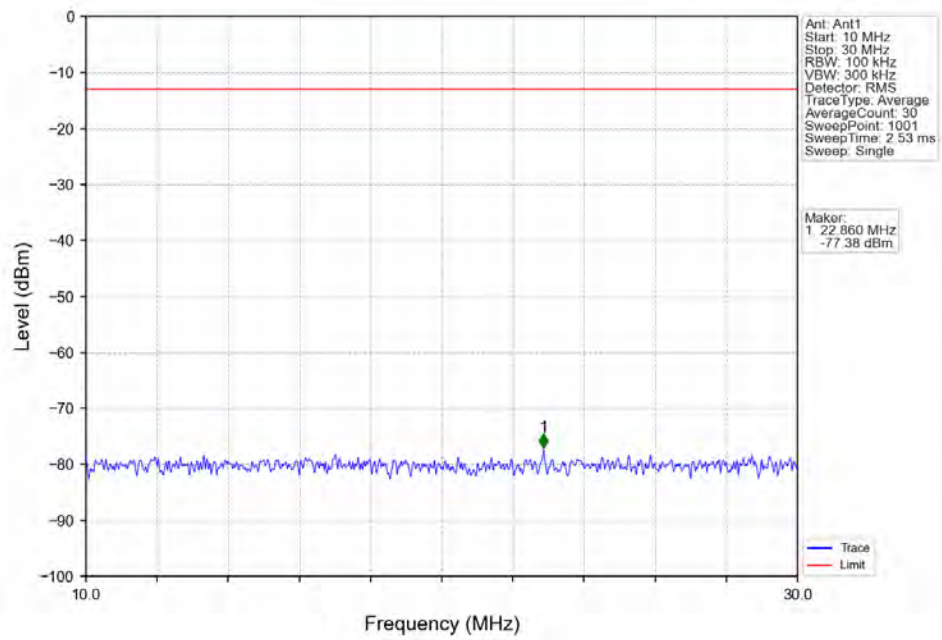
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



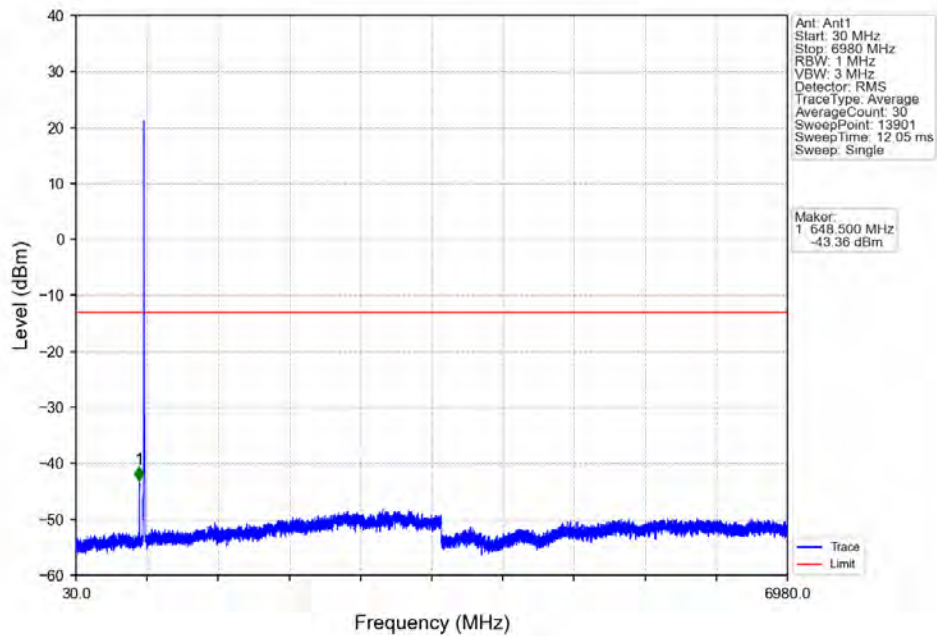
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



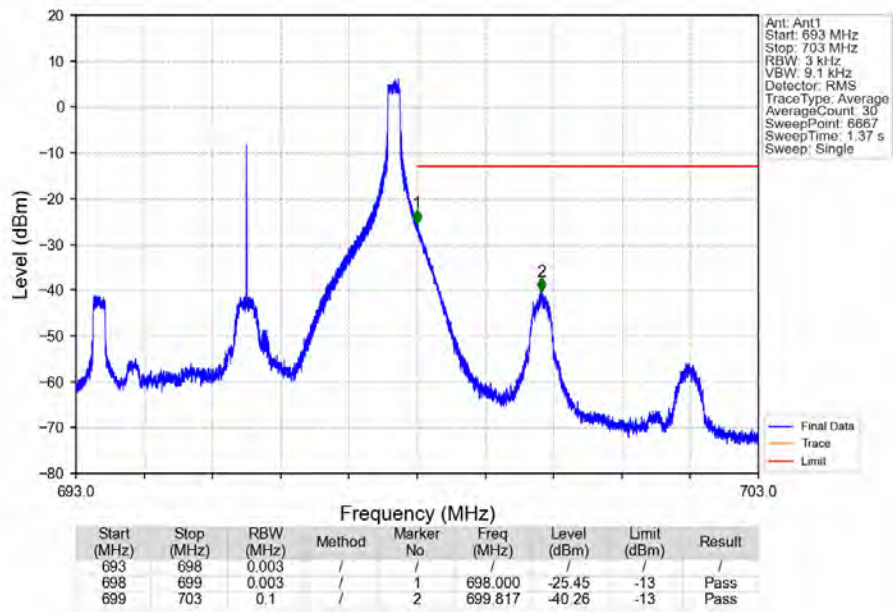
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



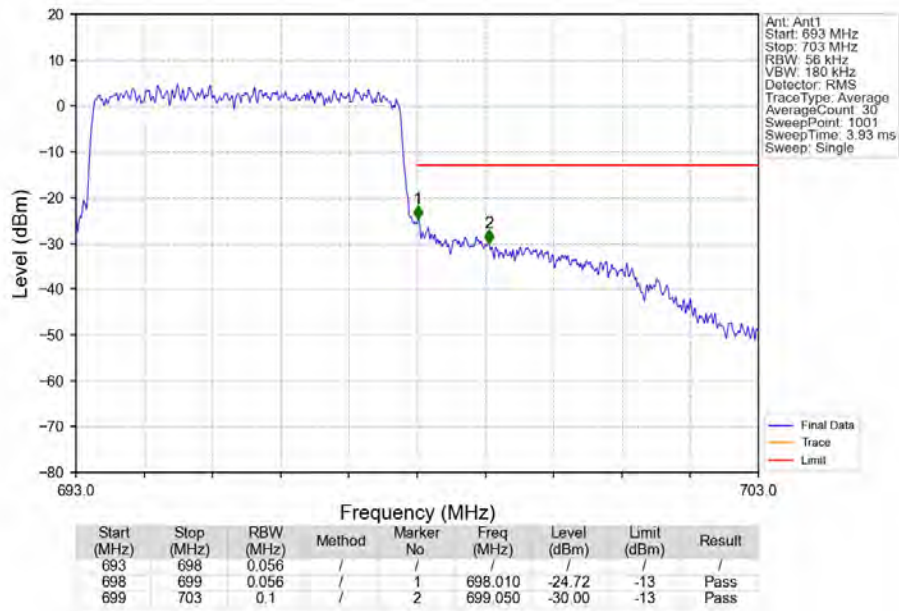
Band71 5MHz 16QAM HCH 695.5MHz RB 1 0 NTN



Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTV



Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTV

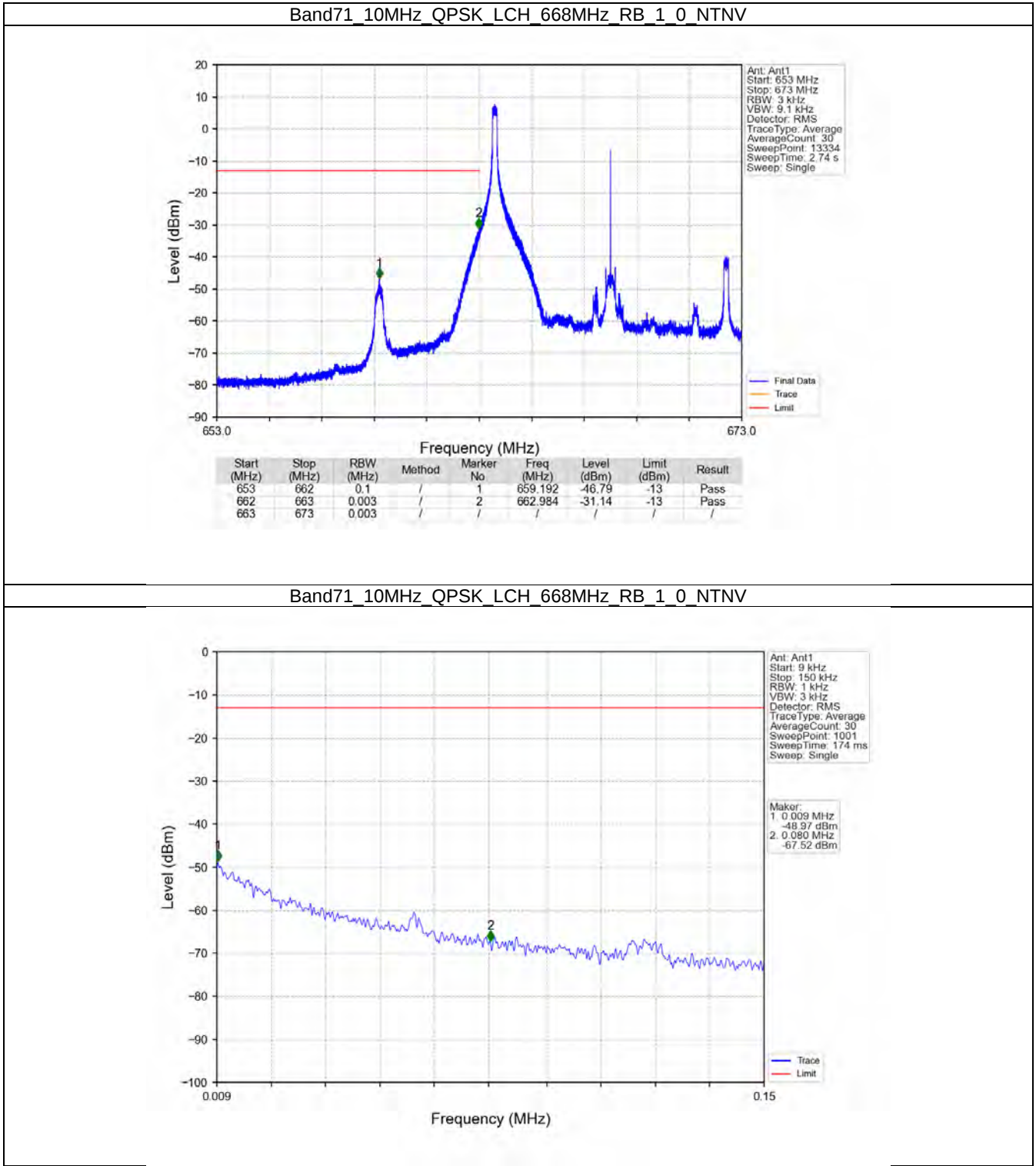


6.2 B71_10MHz

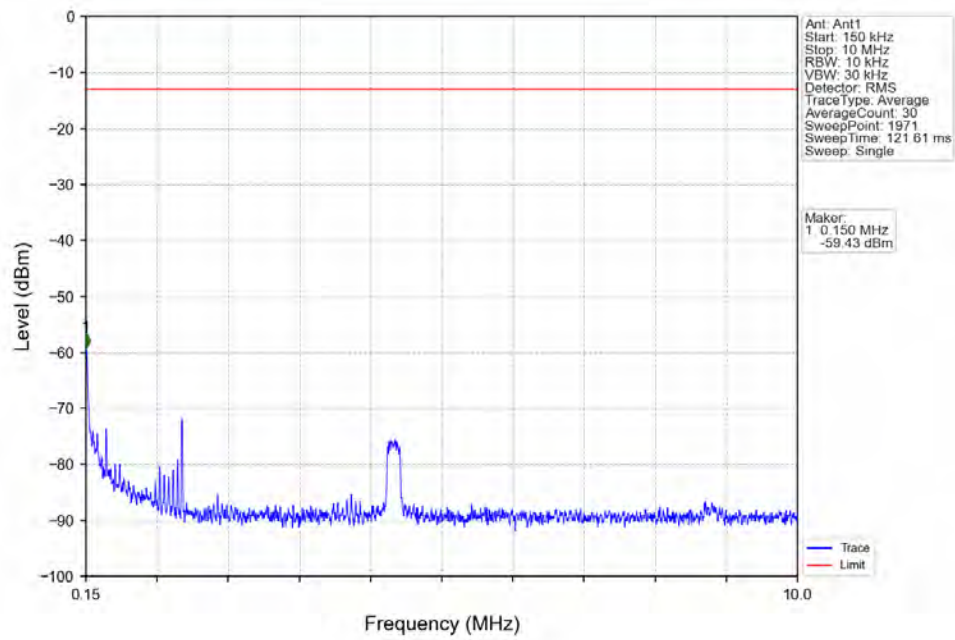
6.2.1 Test Result

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

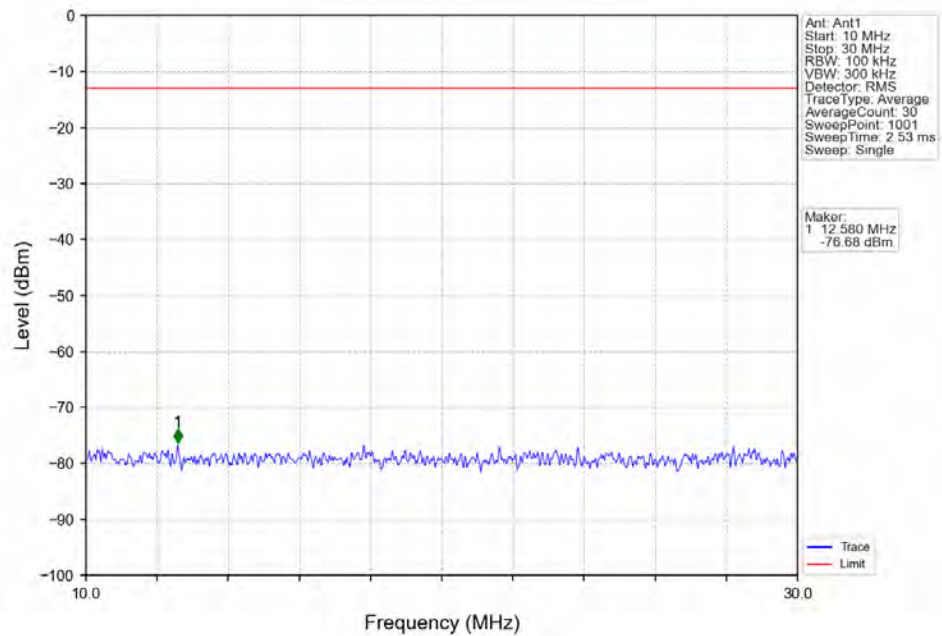
6.2.2 Test Graph



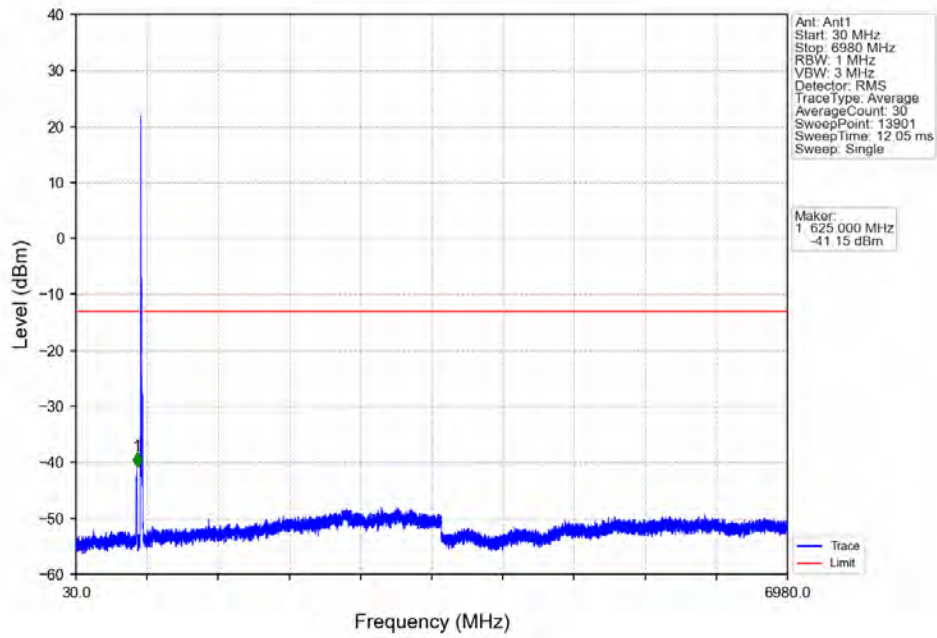
Band71_10MHz QPSK LCH 668MHz RB 1 0 NTN



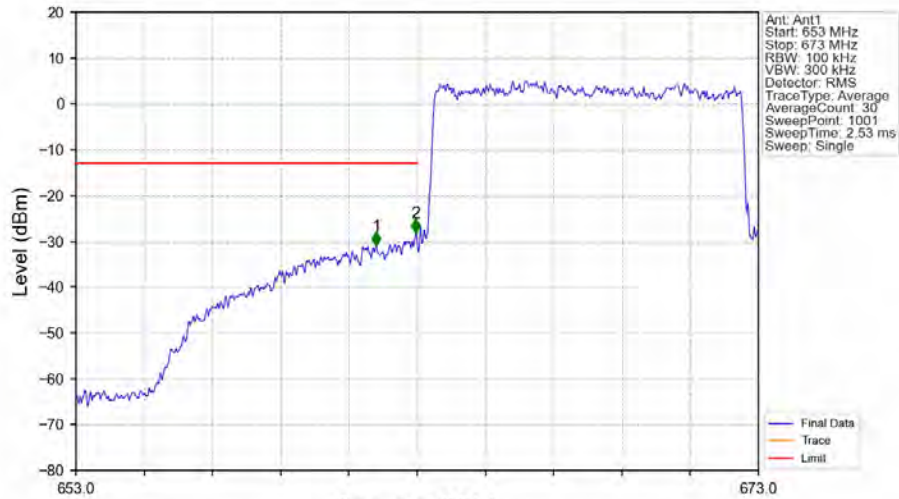
Band71_10MHz QPSK LCH 668MHz RB 1 0 NTN



Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

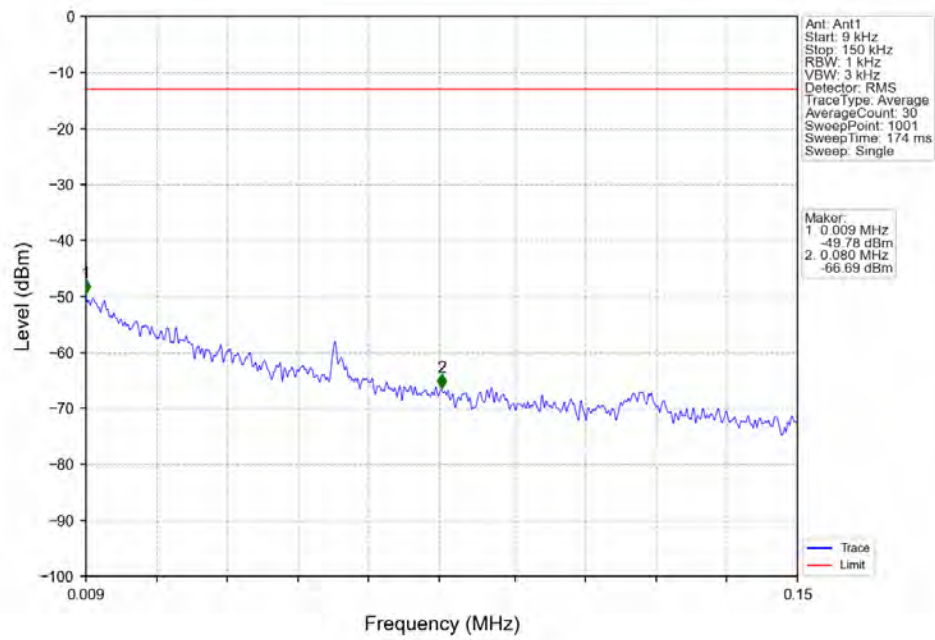


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

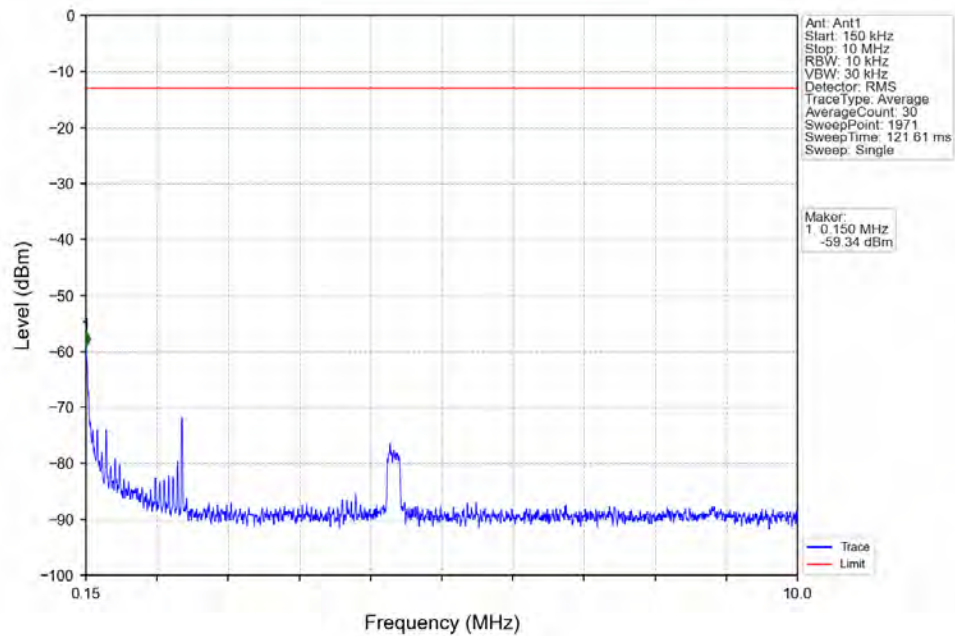


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	/	1	661.800	-30.98	-13	Pass
662	663	0.103	/	2	662.960	-28.15	-13	Pass
663	673	0.103	/	/	/	/	/	/

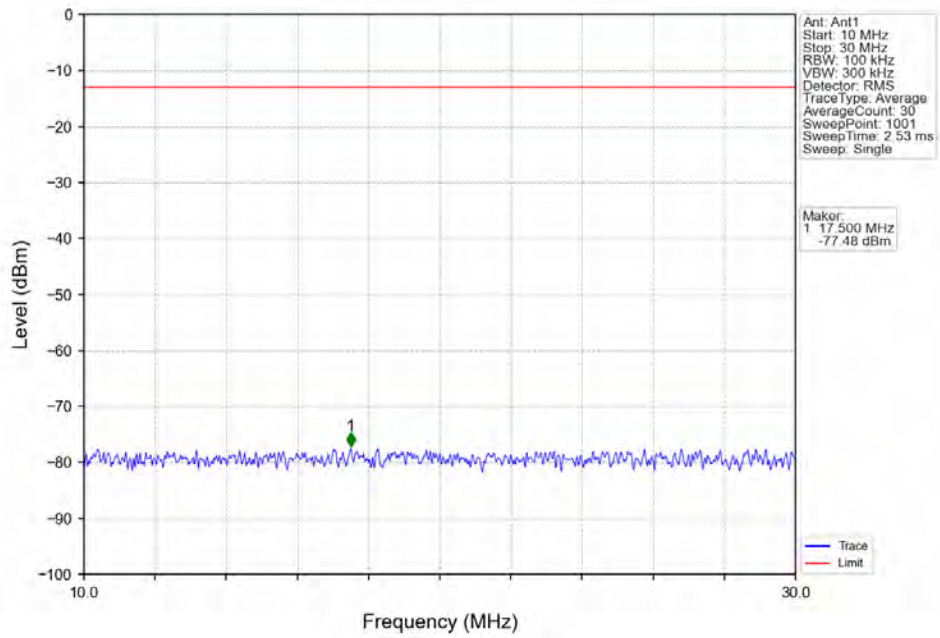
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



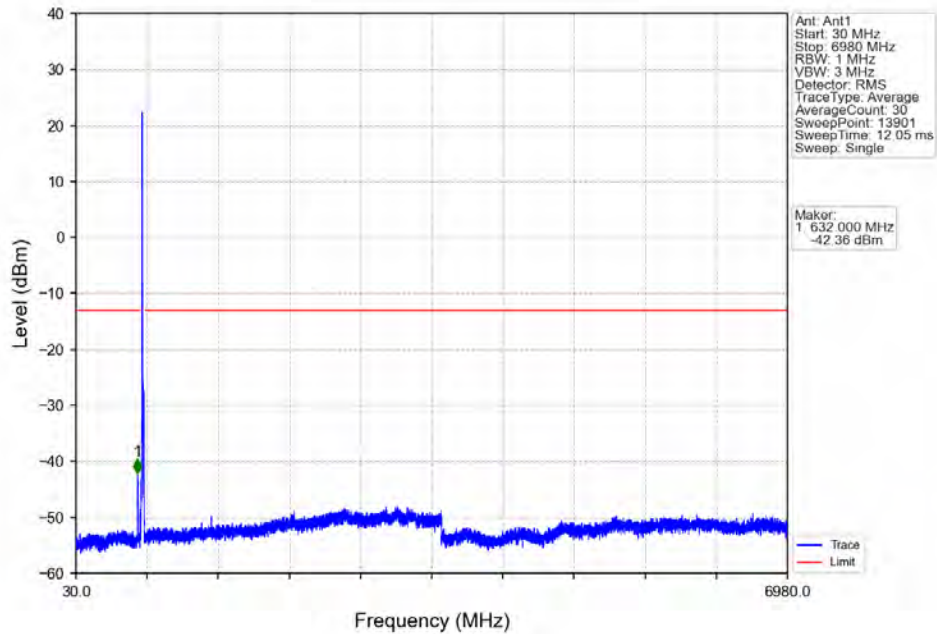
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTNV



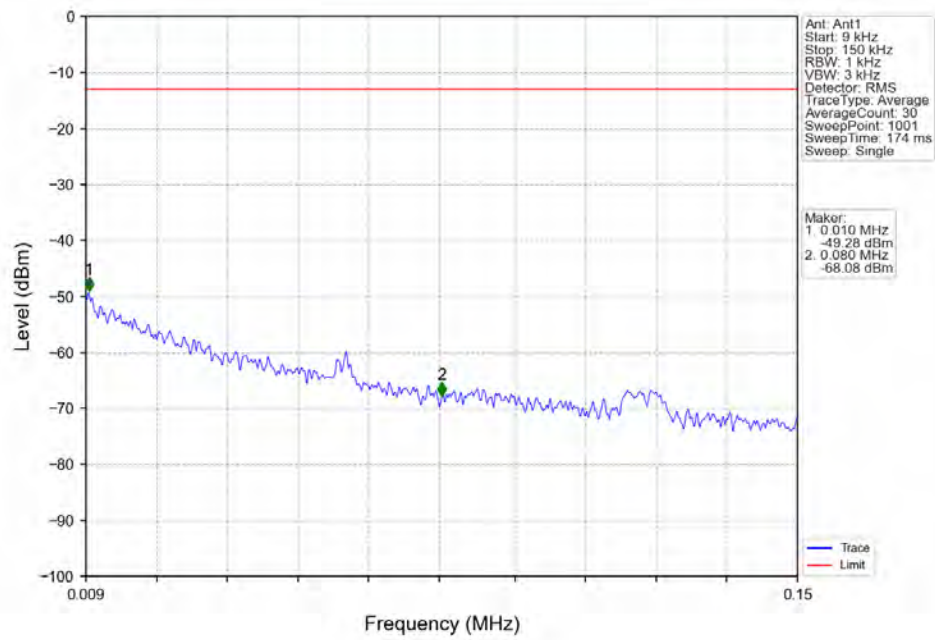
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTN



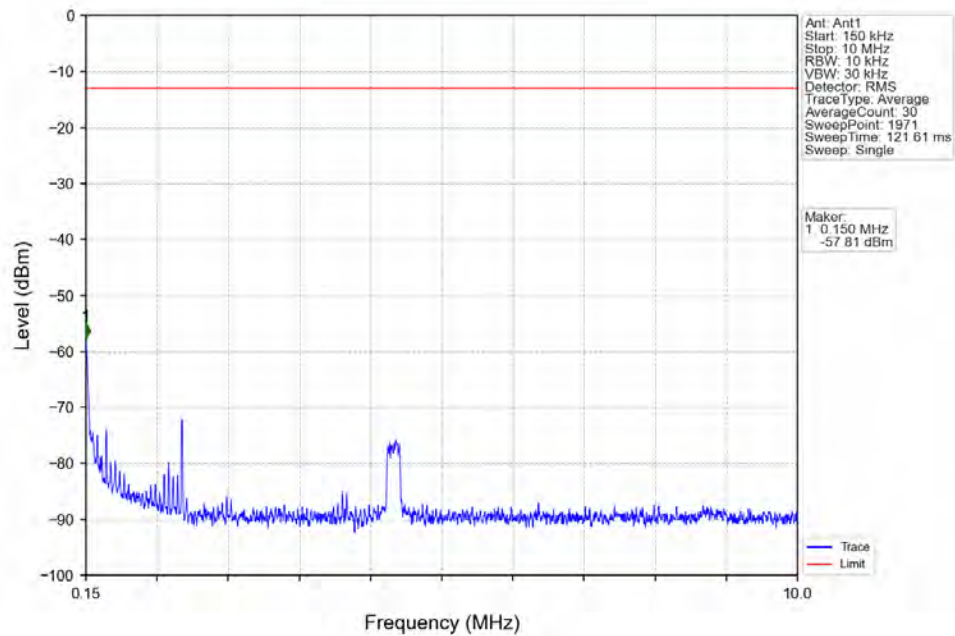
Band71 10MHz QPSK MCH 680.5MHz RB 1 0 NTN



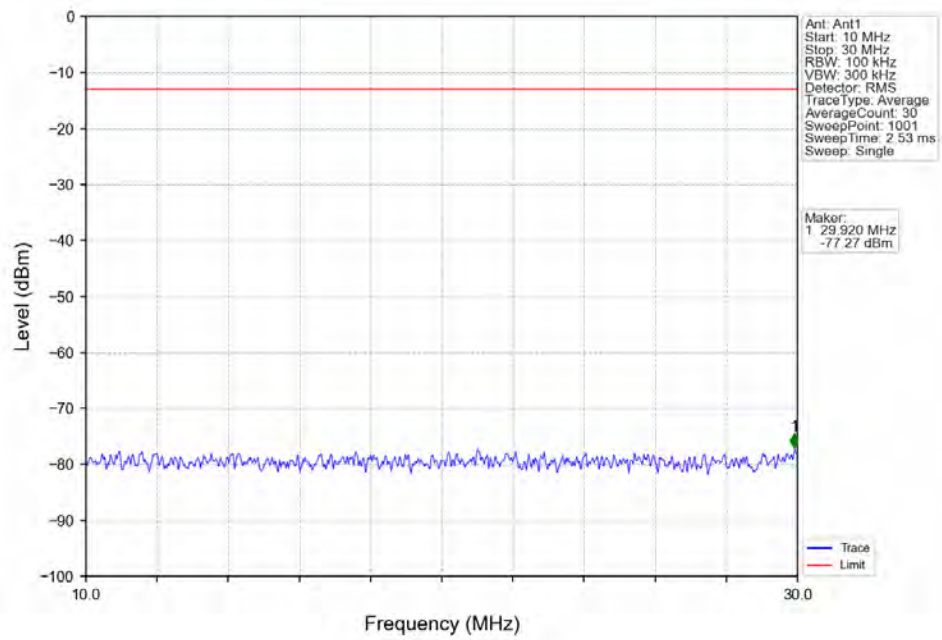
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



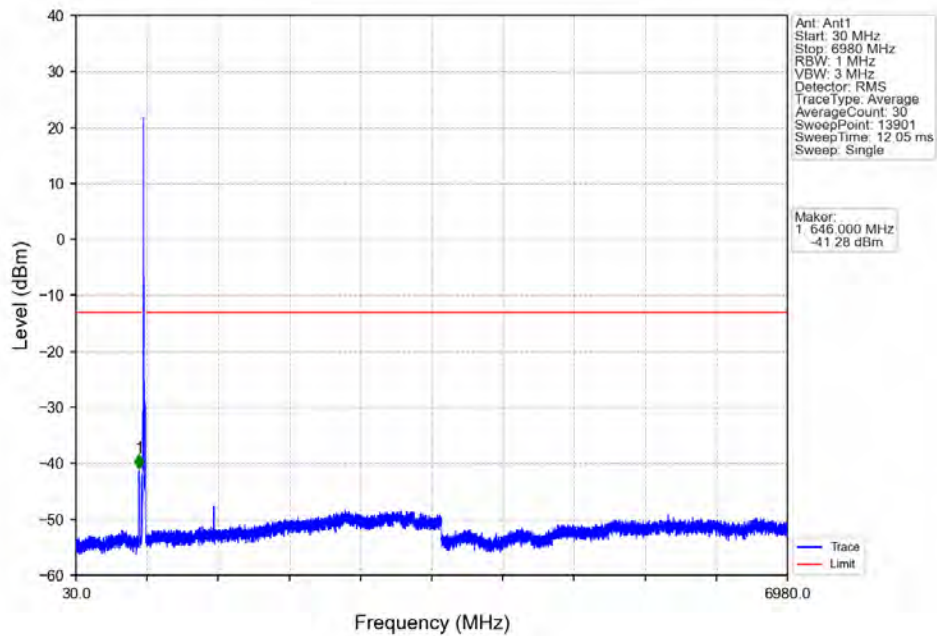
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



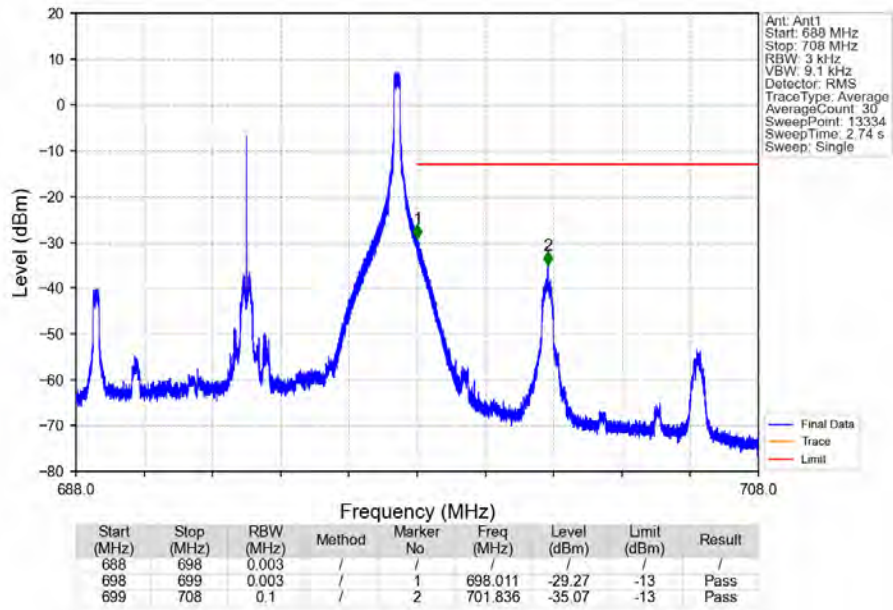
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



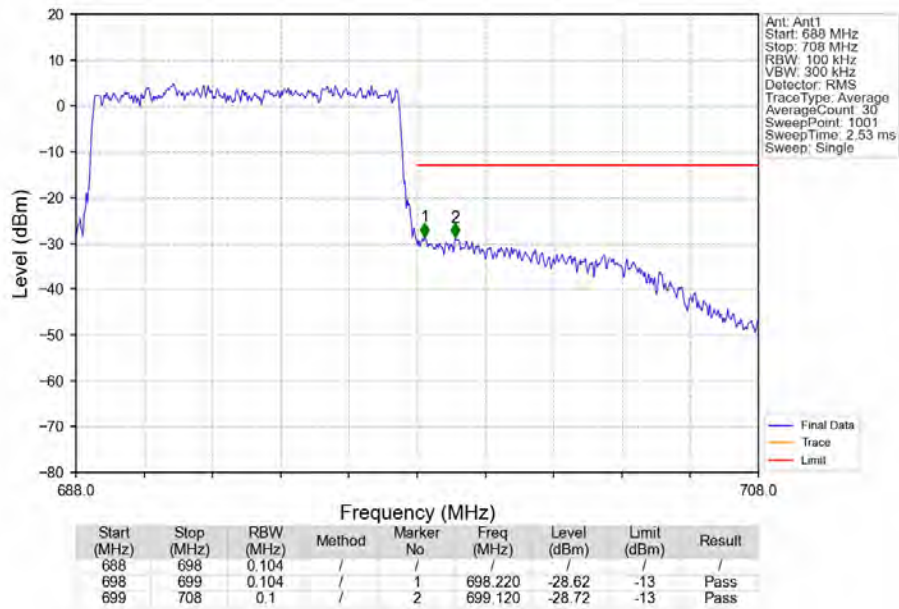
Band71 10MHz QPSK HCH 693MHz RB 1 0 NTNV



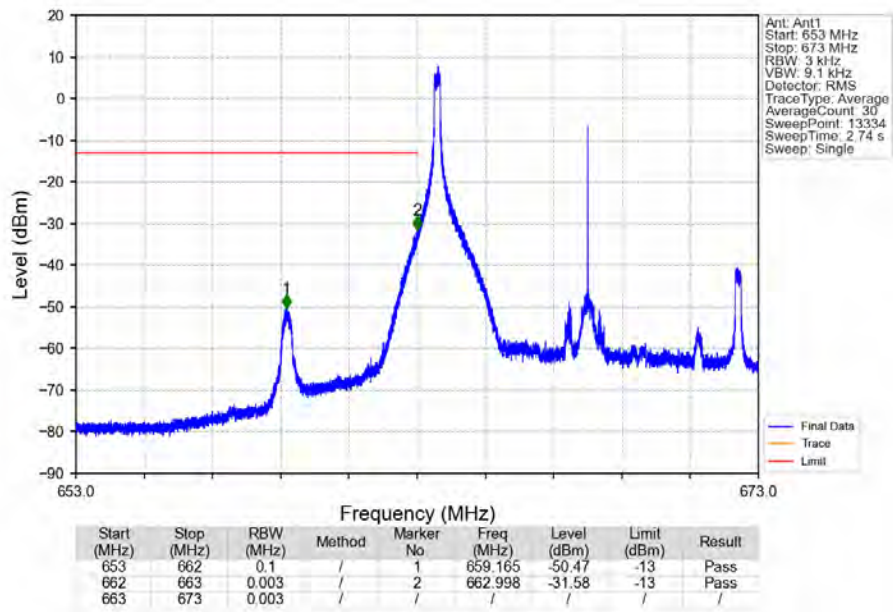
Band71 10MHz QPSK HCH 693MHz RB 1 49 NTNV



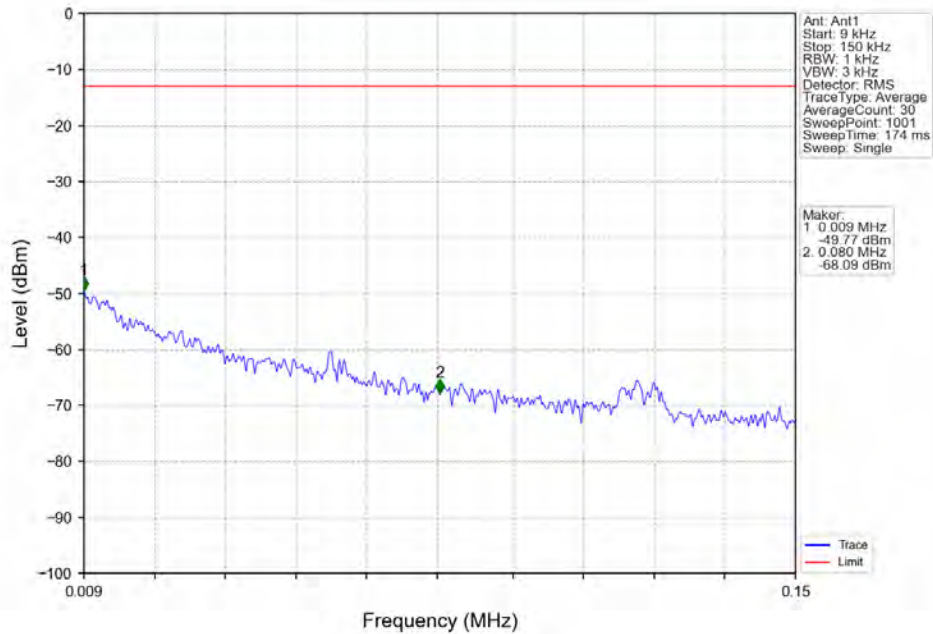
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



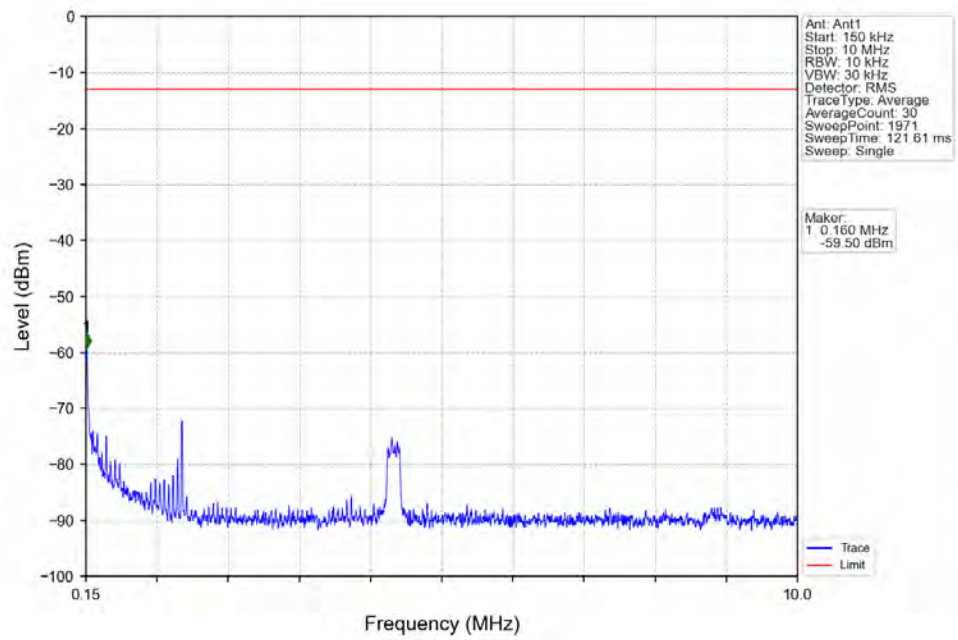
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



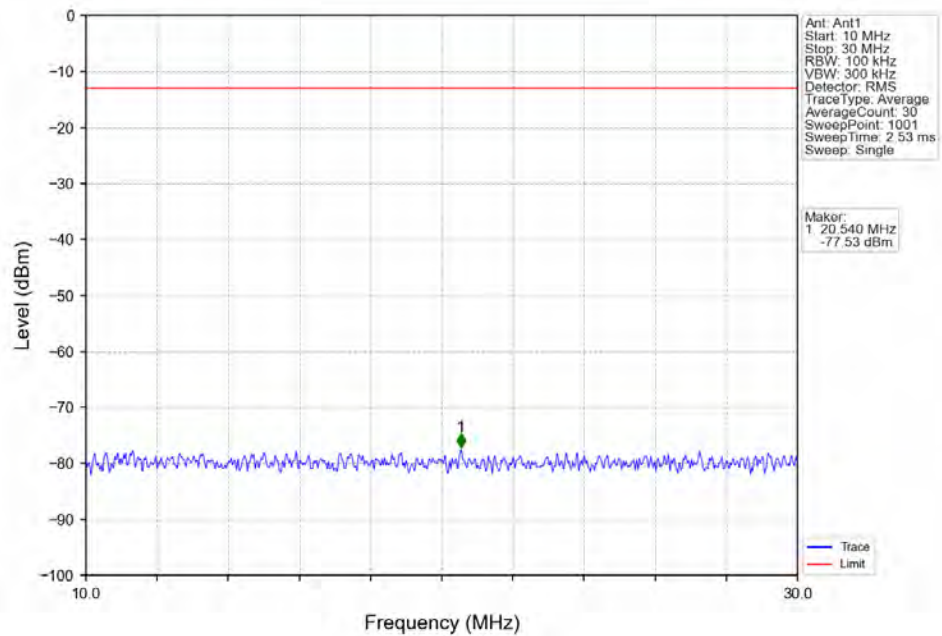
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



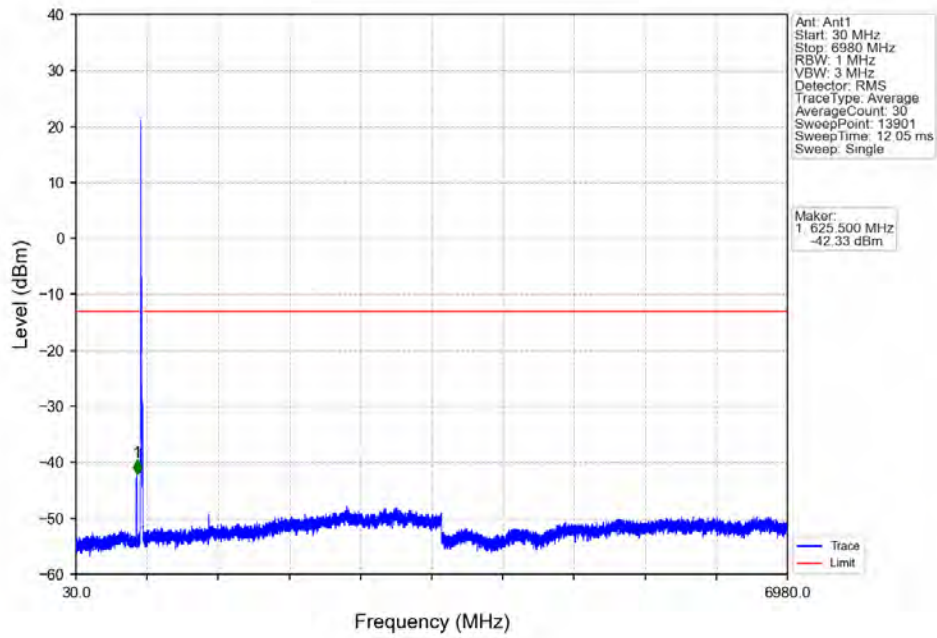
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



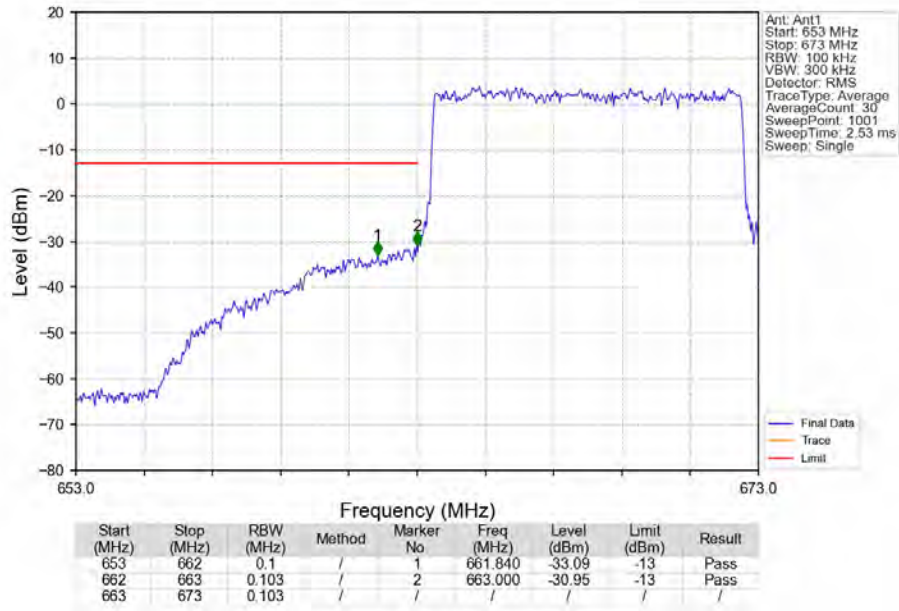
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



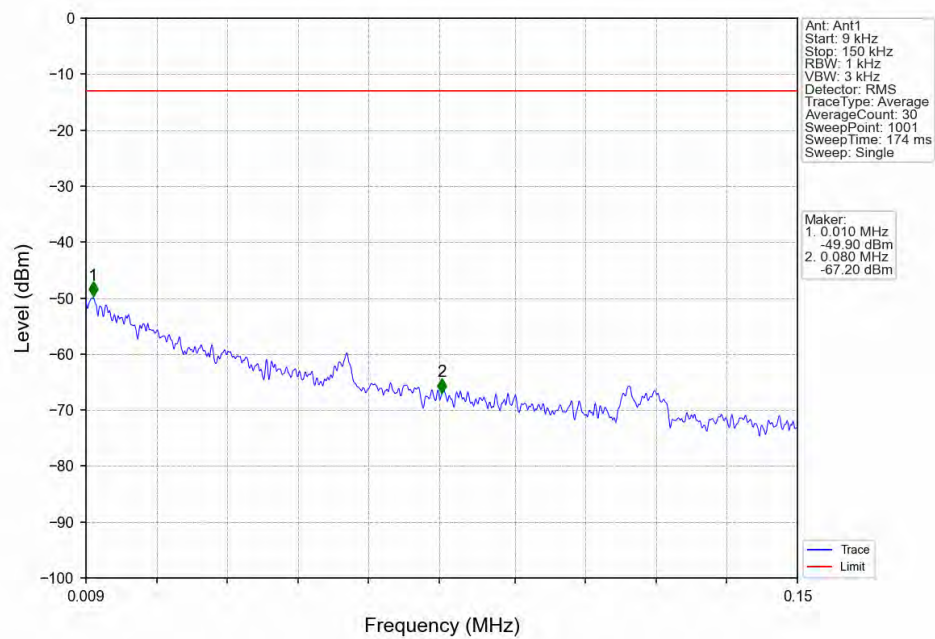
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV



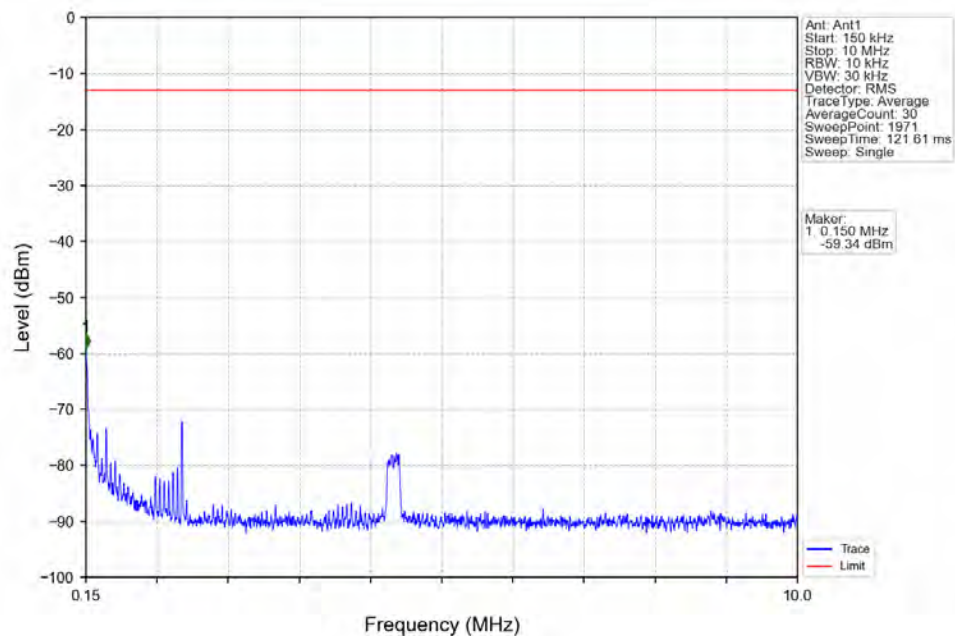
Band71 10MHz 16QAM LCH 668MHz RB 50 0 NTNV



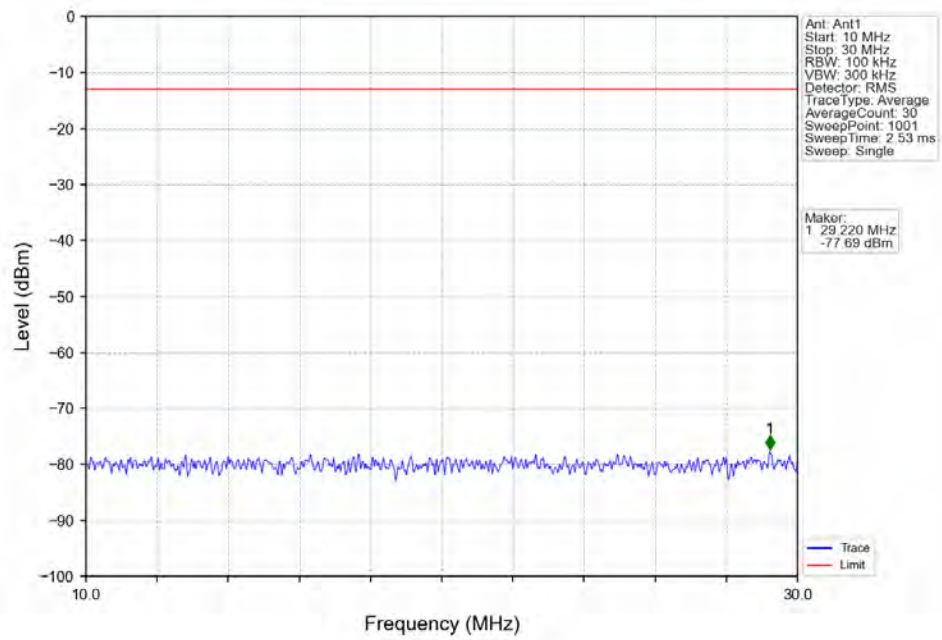
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



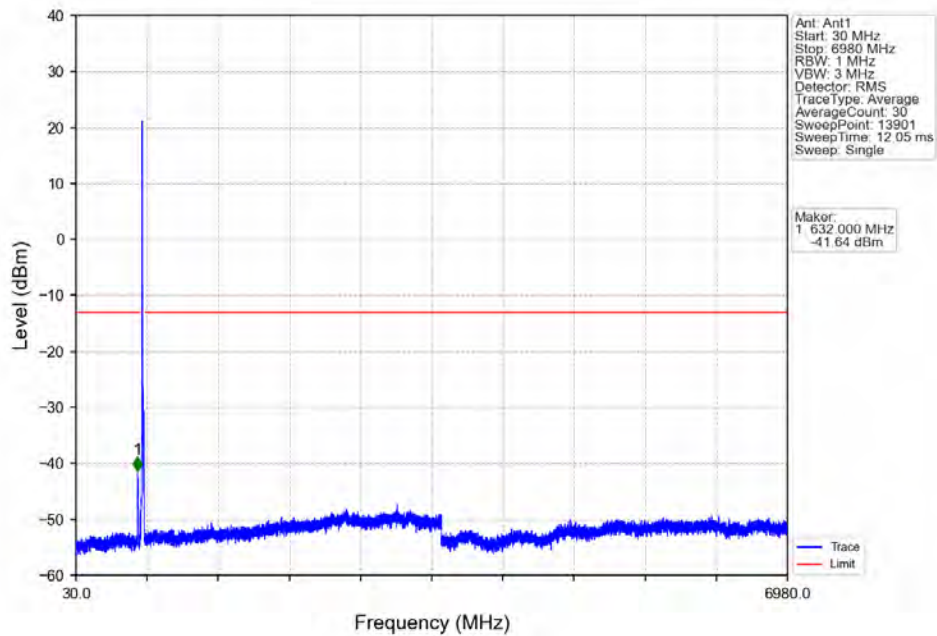
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



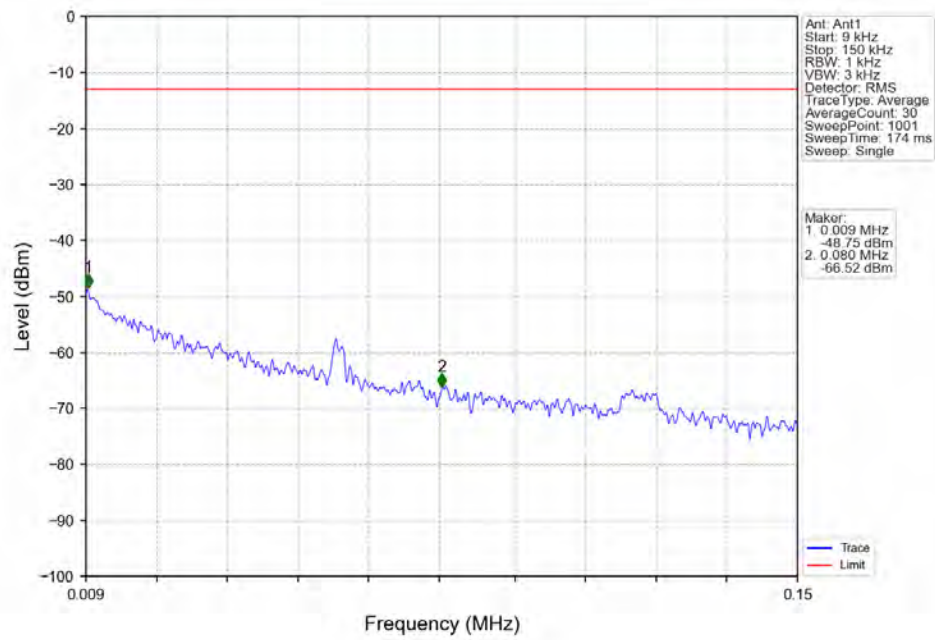
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



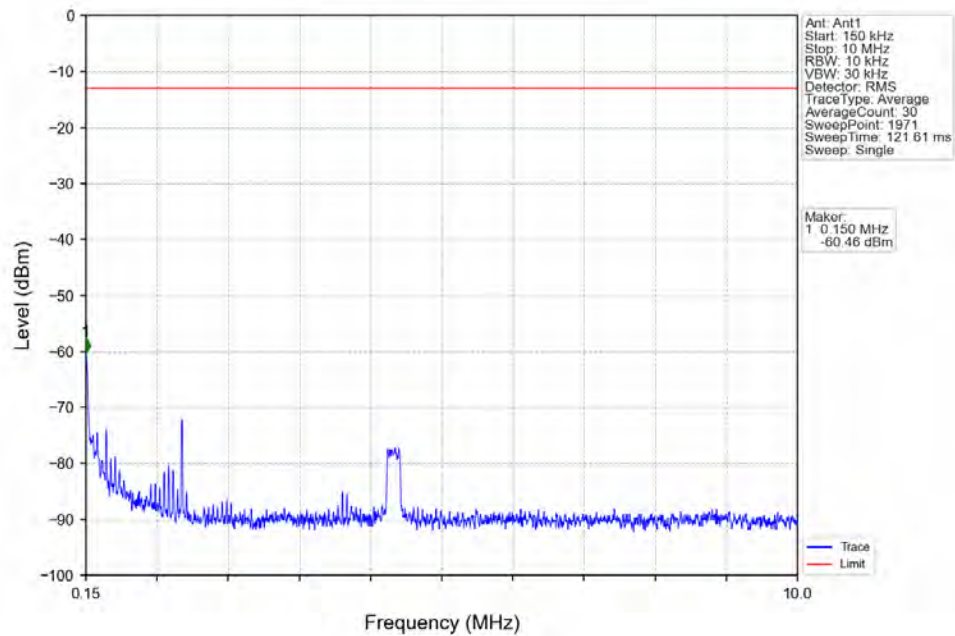
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



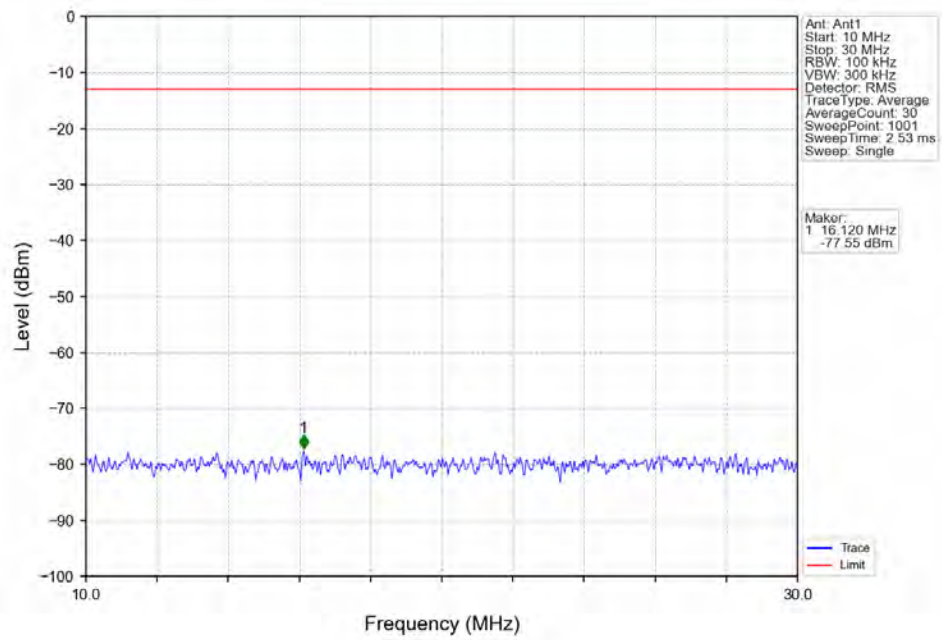
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



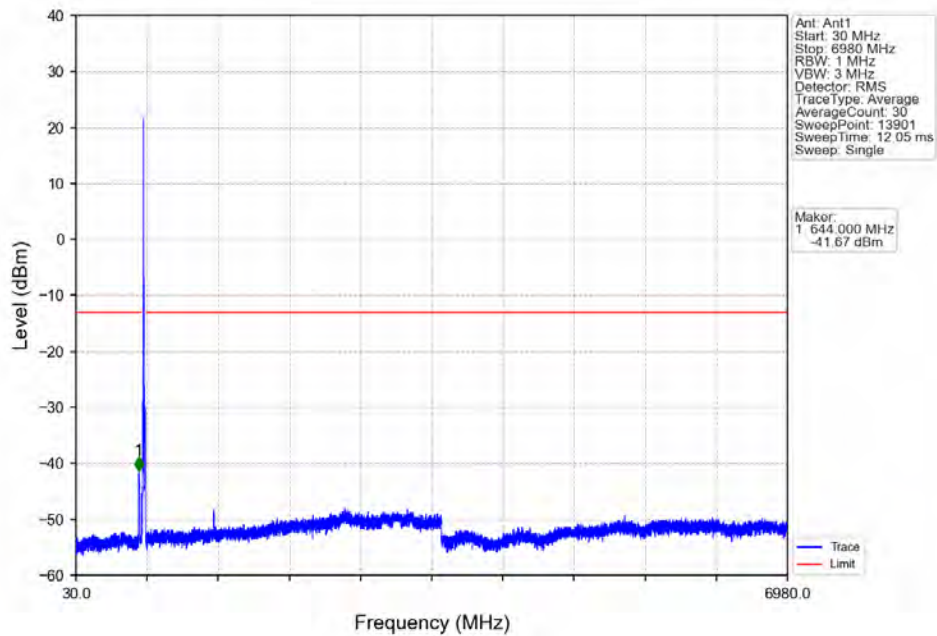
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



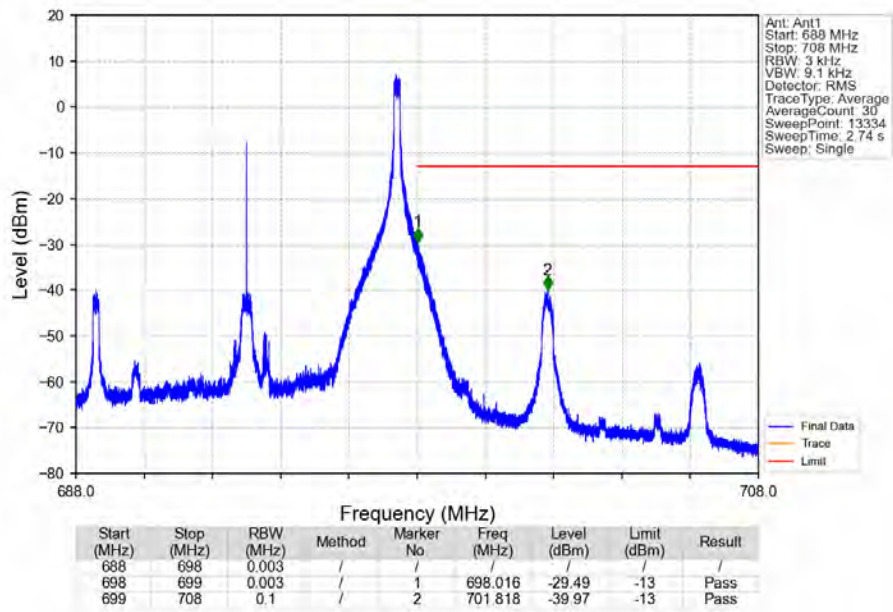
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTN



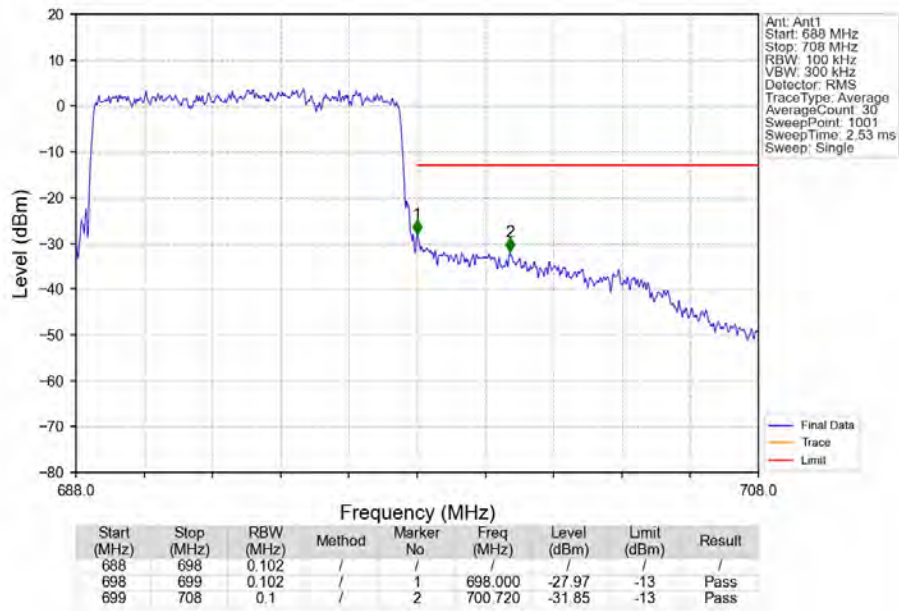
Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTN



Band71 10MHz 16QAM HCH 693MHz RB 1 49 NTV



Band71 10MHz 16QAM HCH 693MHz RB 50 0 NTV

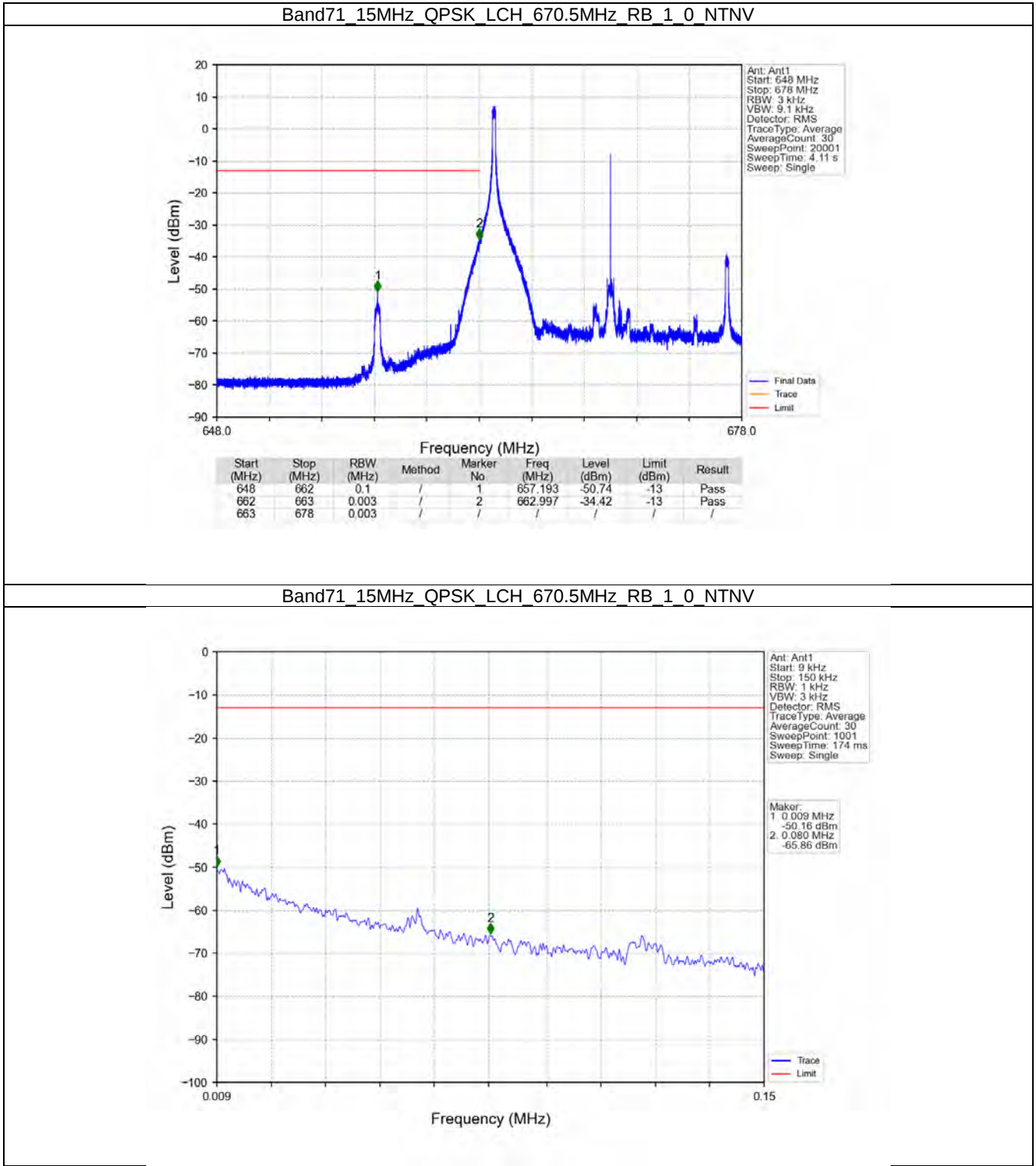


6.3 B71_15MHz

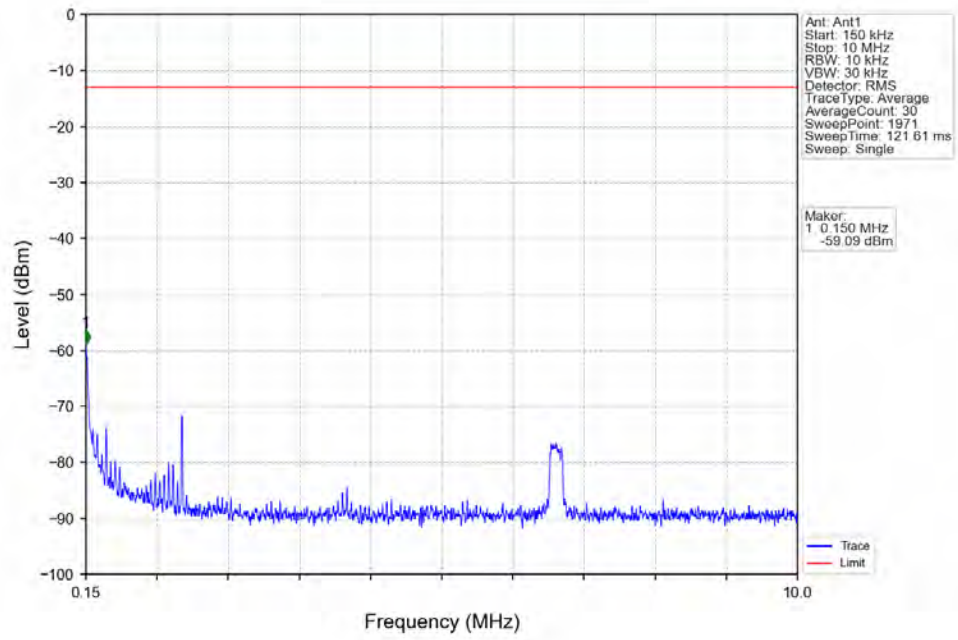
6.3.1 Test Result

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

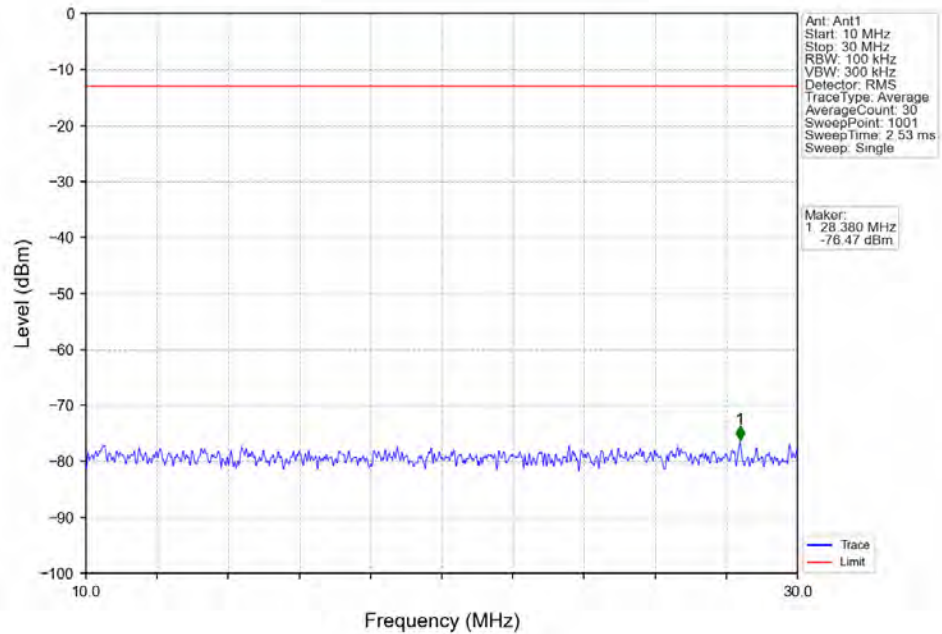
6.3.2 Test Graph



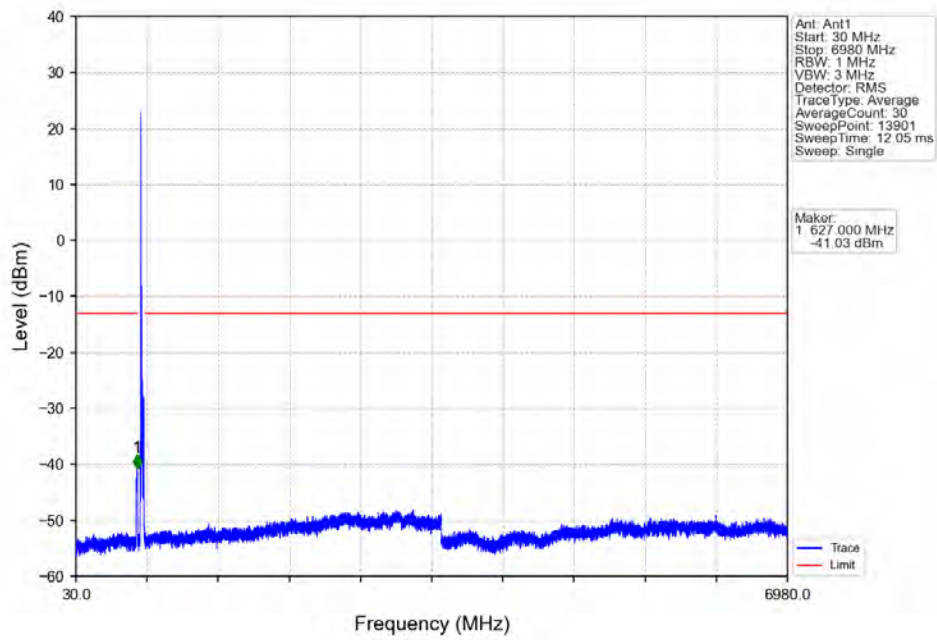
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



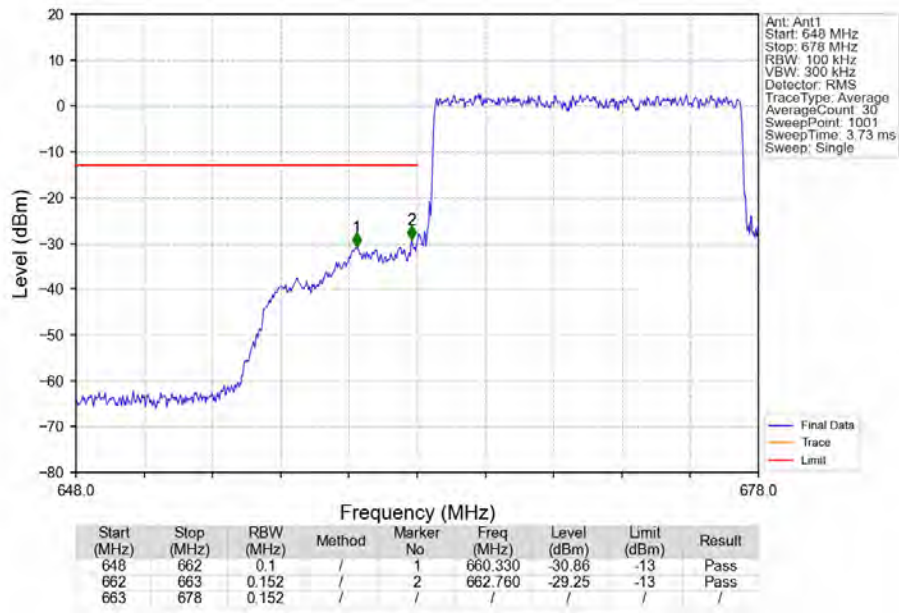
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



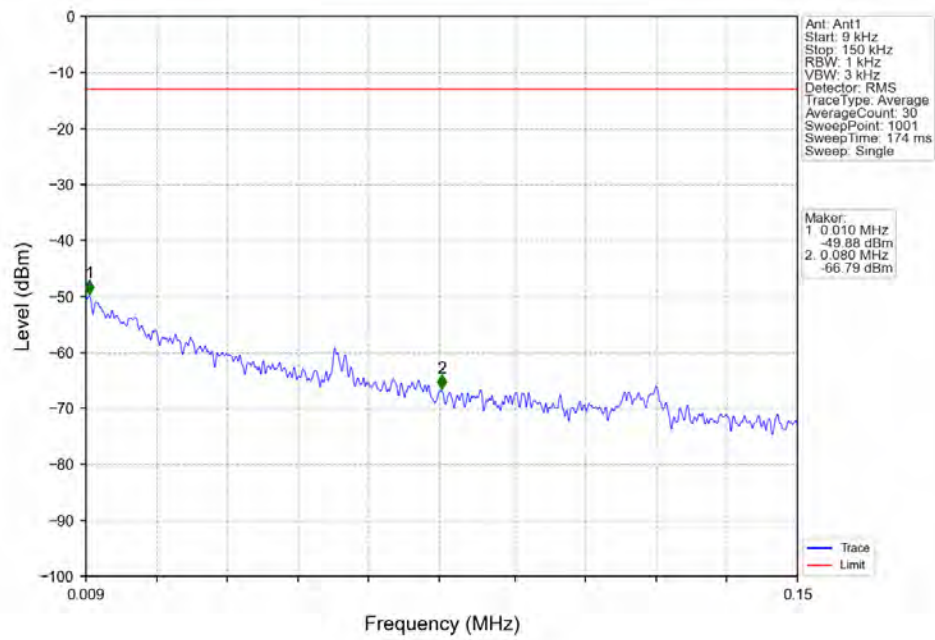
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



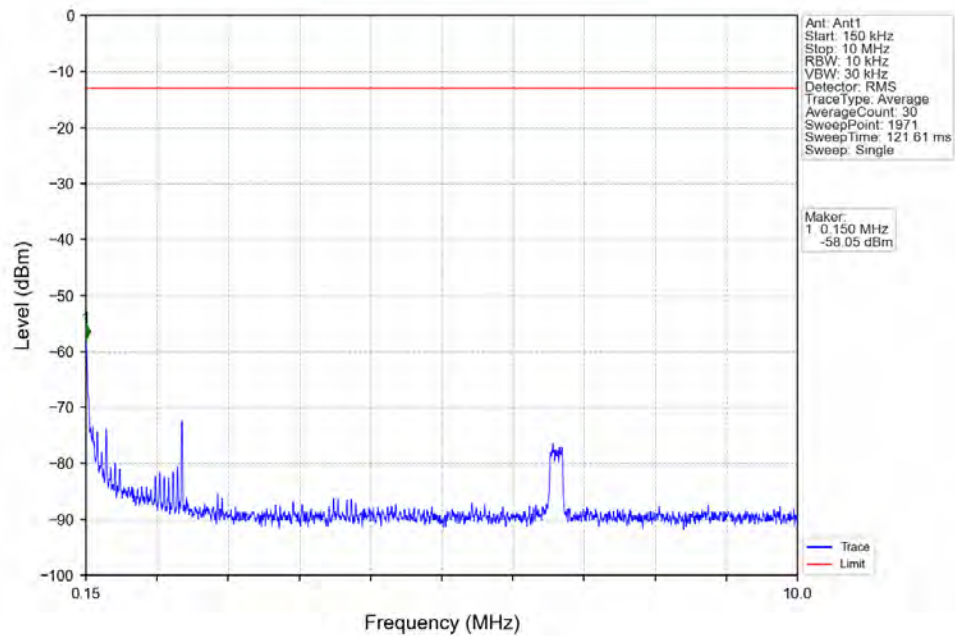
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



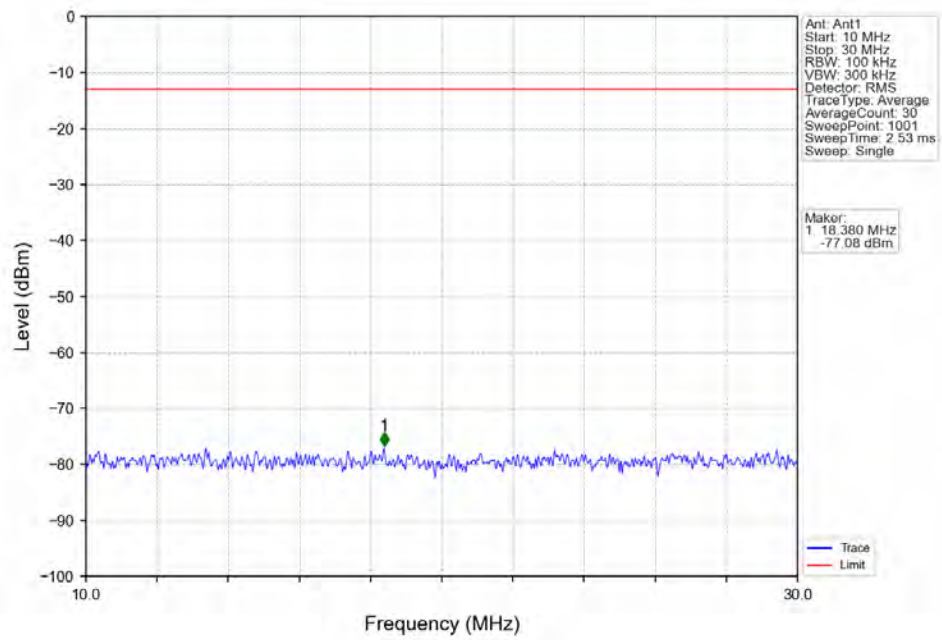
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTN



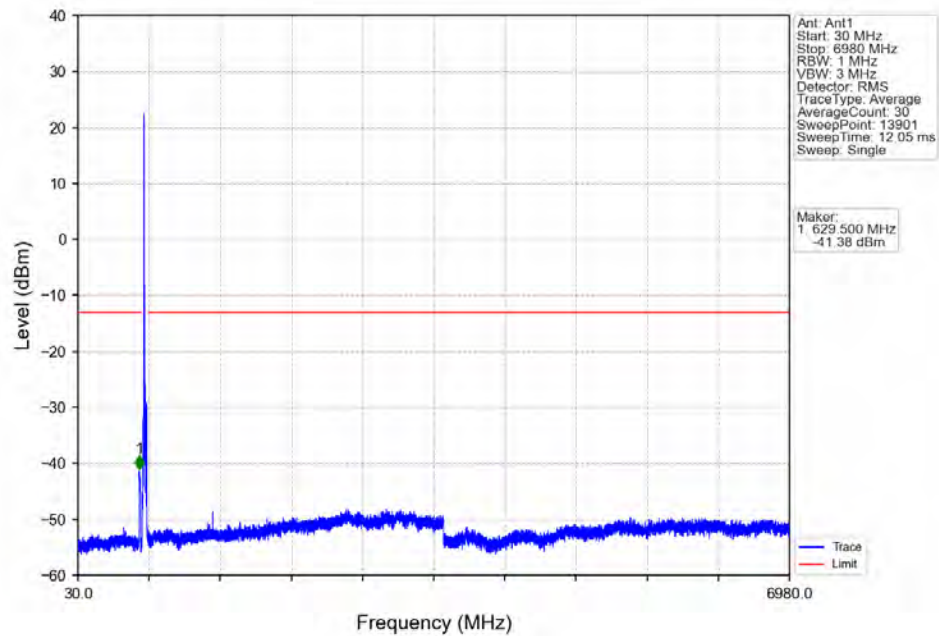
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTN



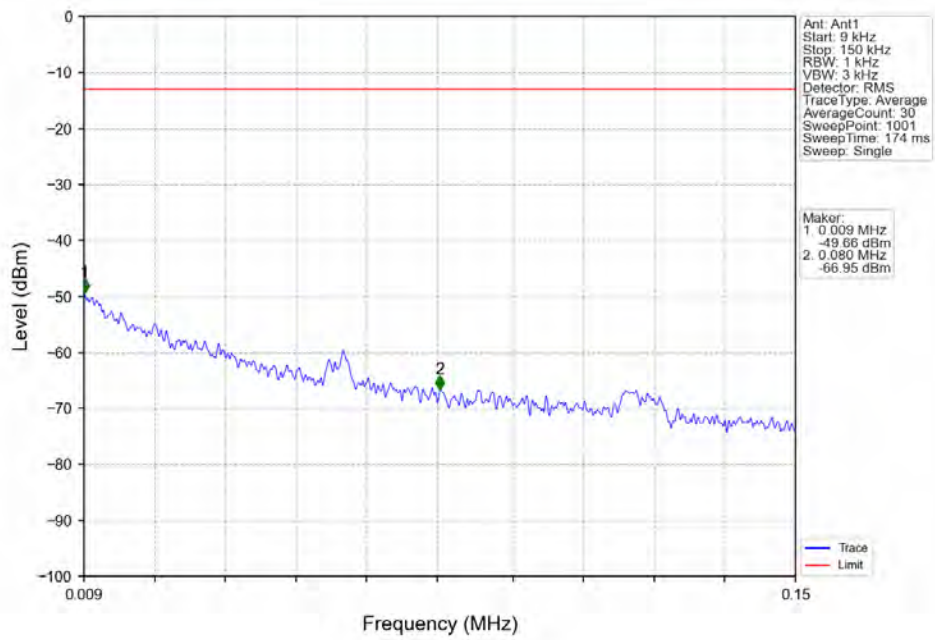
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



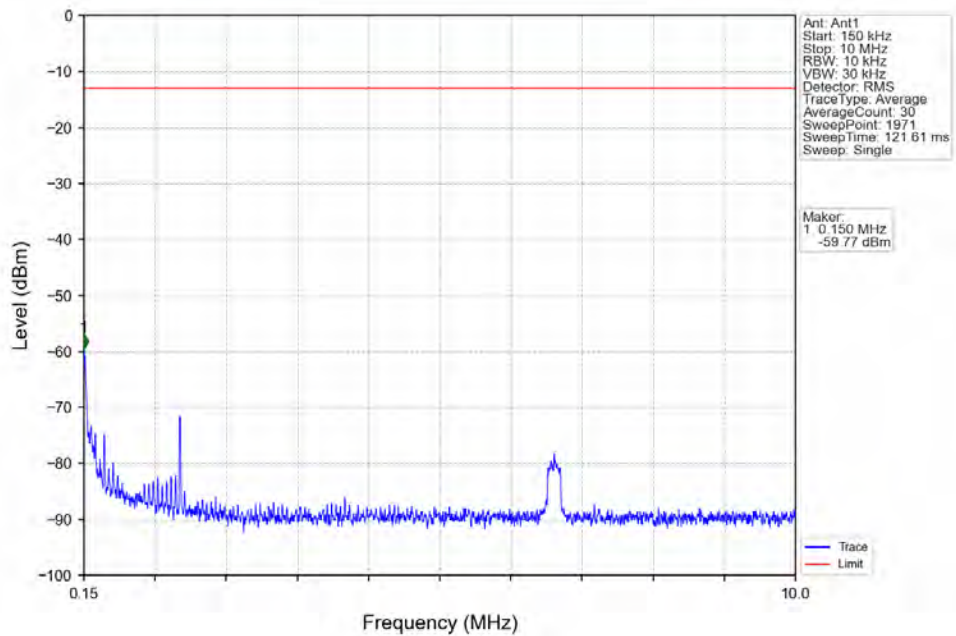
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



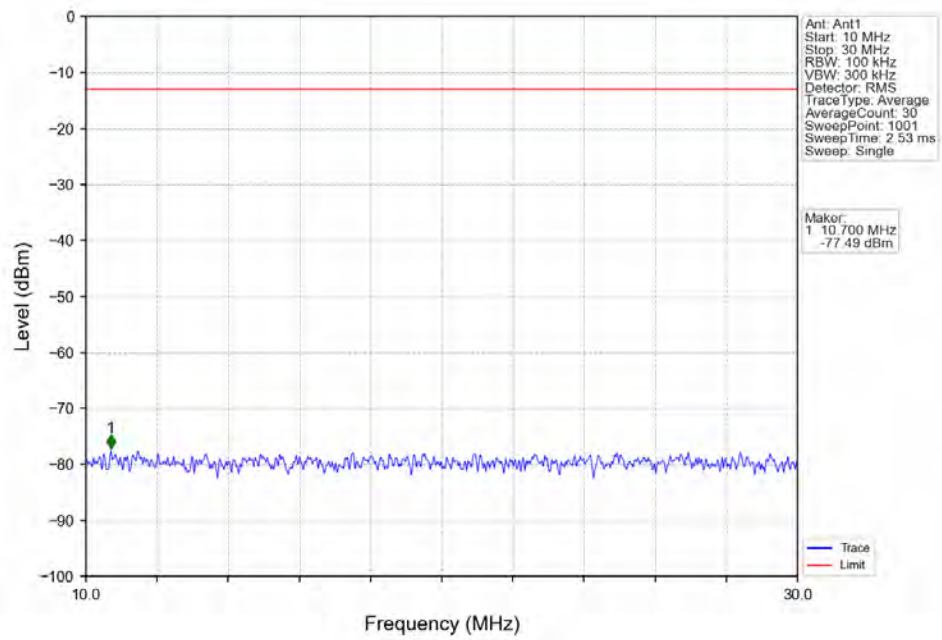
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



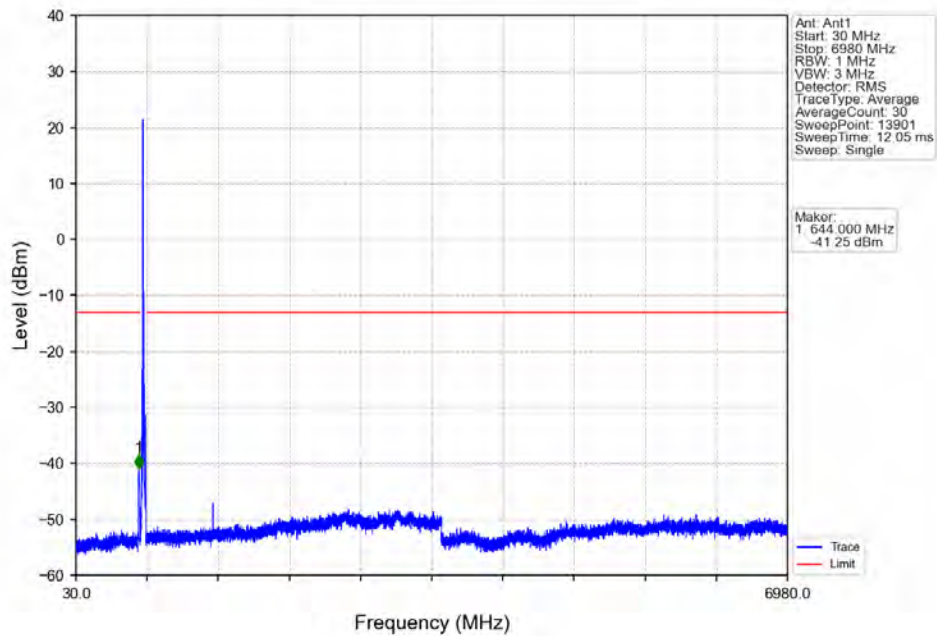
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



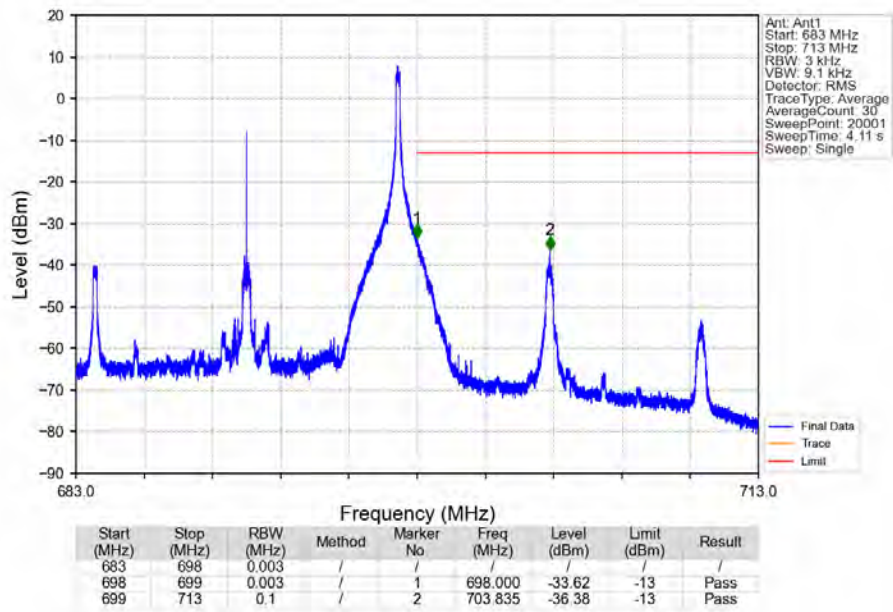
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



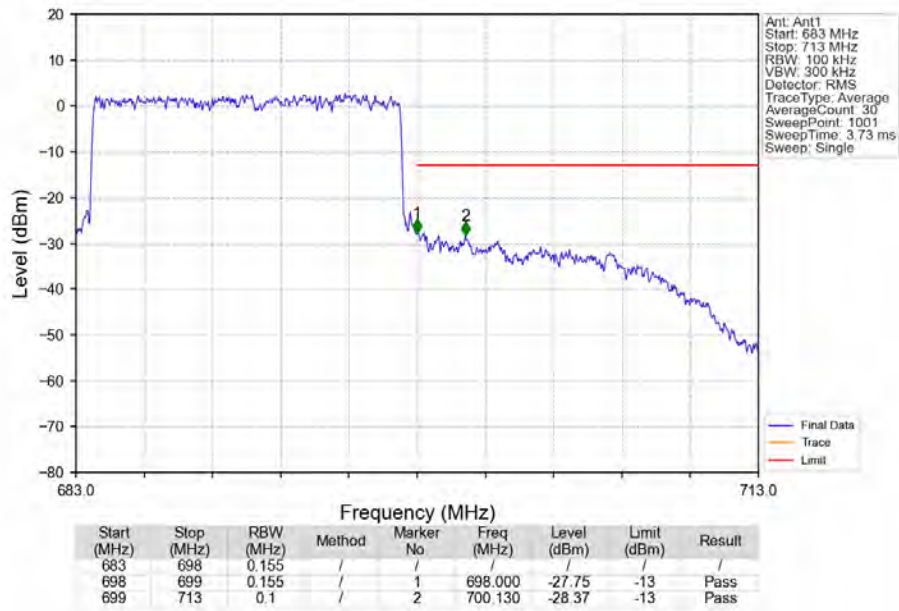
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



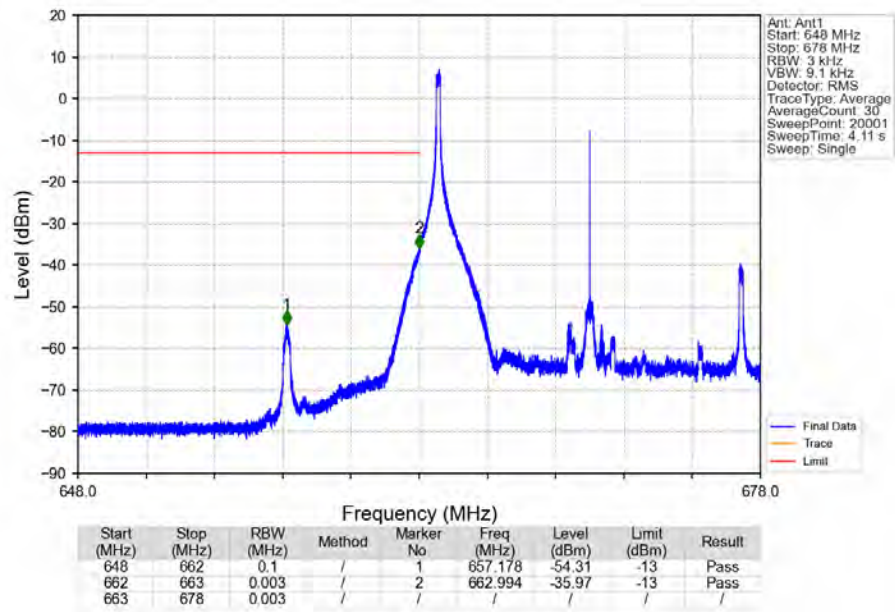
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



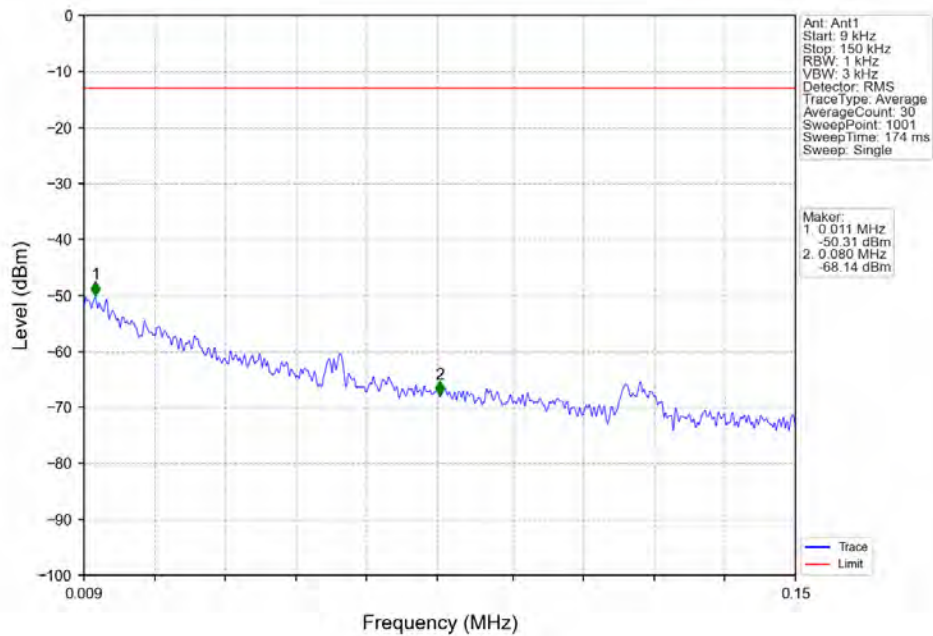
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



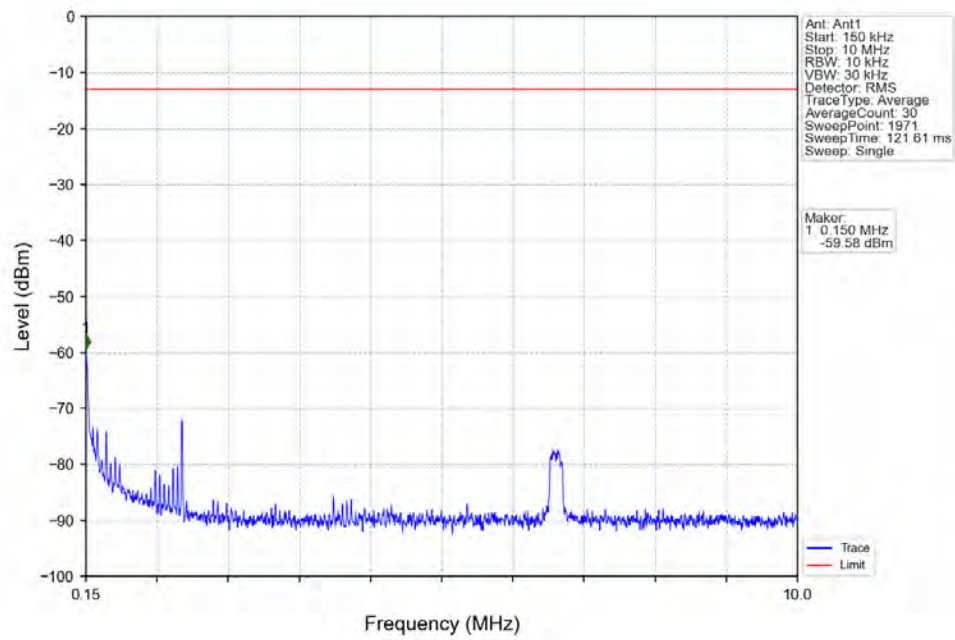
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



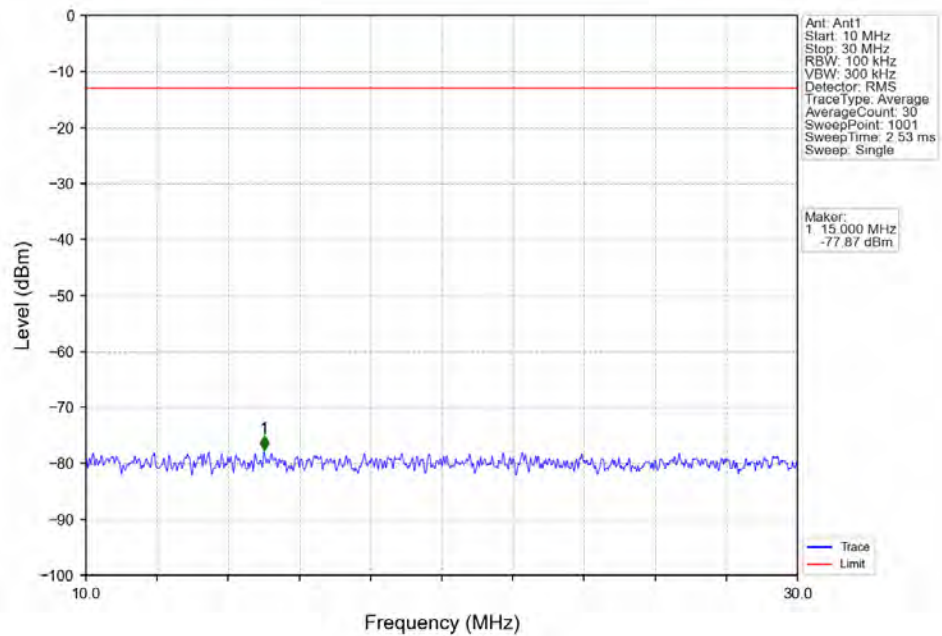
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



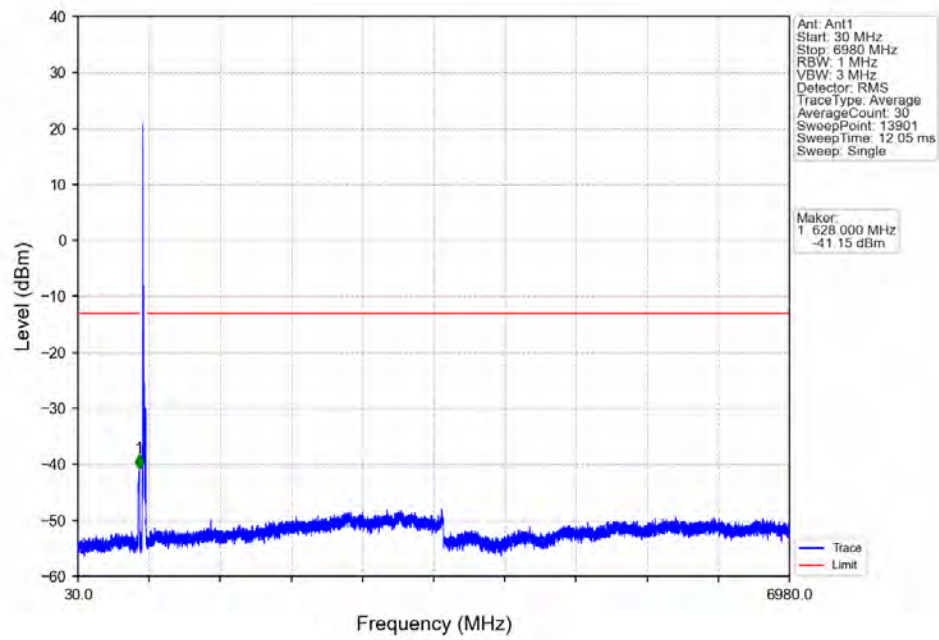
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



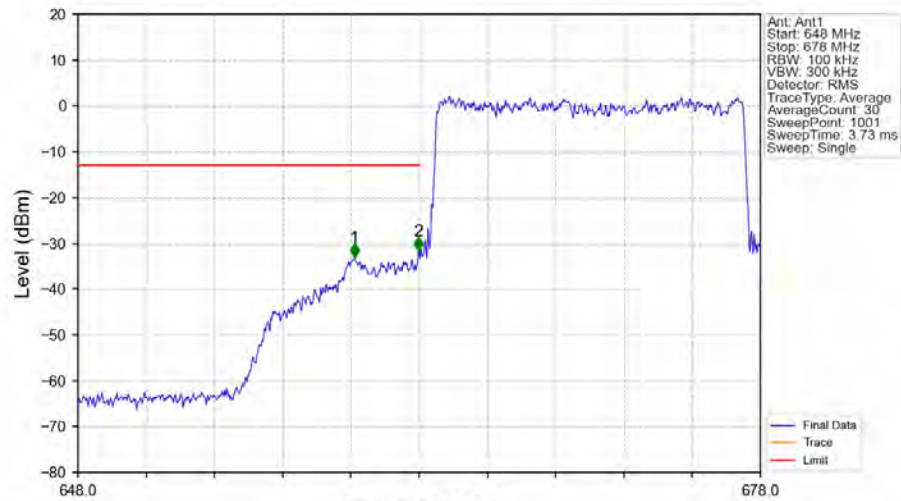
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV

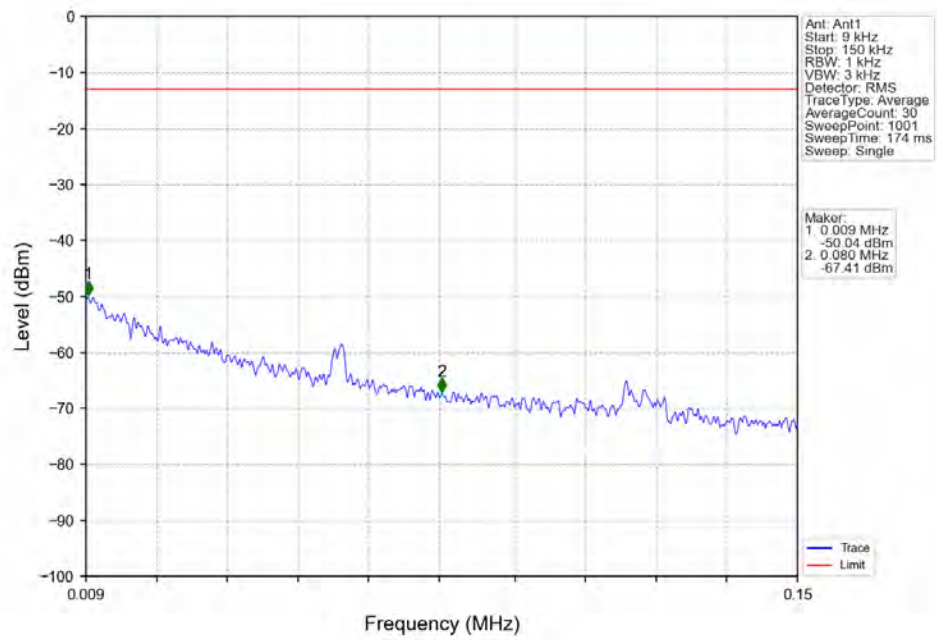


Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV

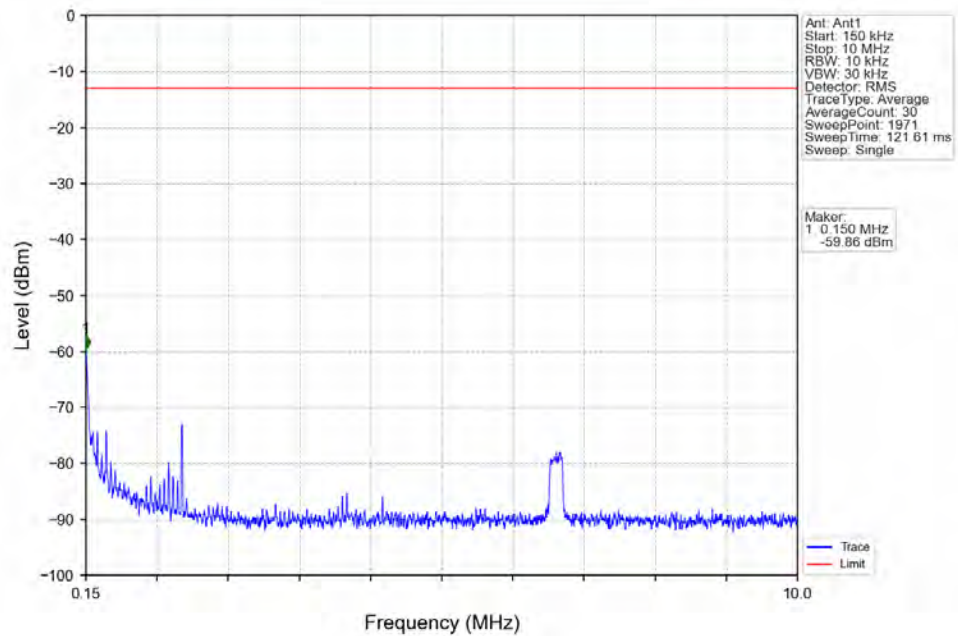


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	660.150	-33.06	-13	Pass
662	663	0.153	/	2	662.970	-31.66	-13	Pass
663	678	0.153	/	/	/	/	/	/

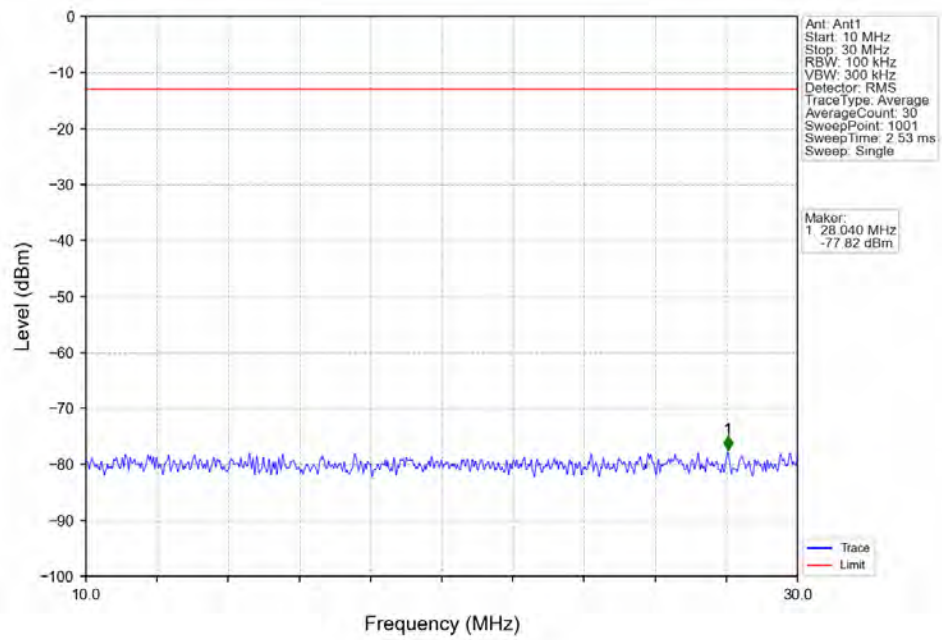
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



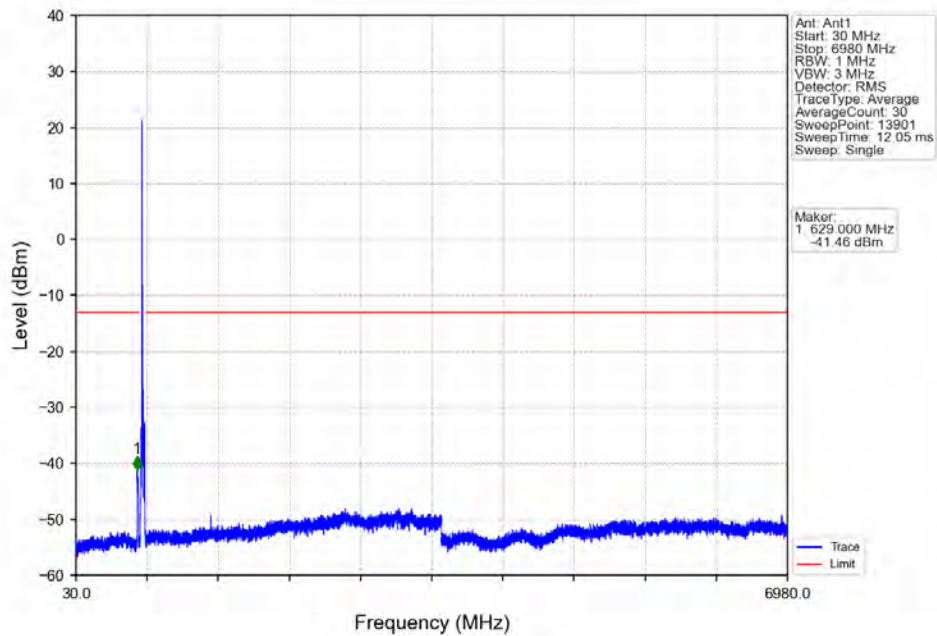
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



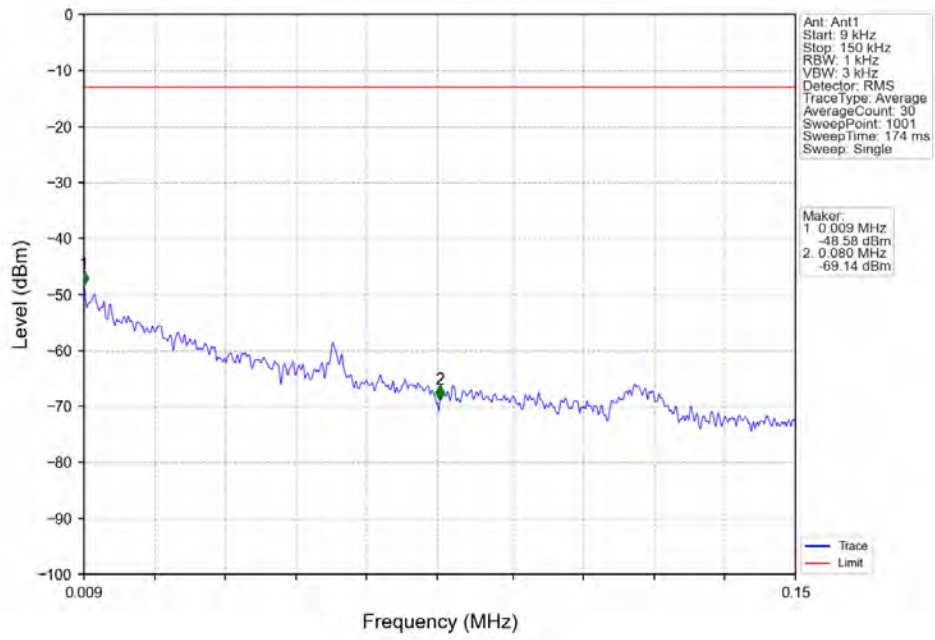
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



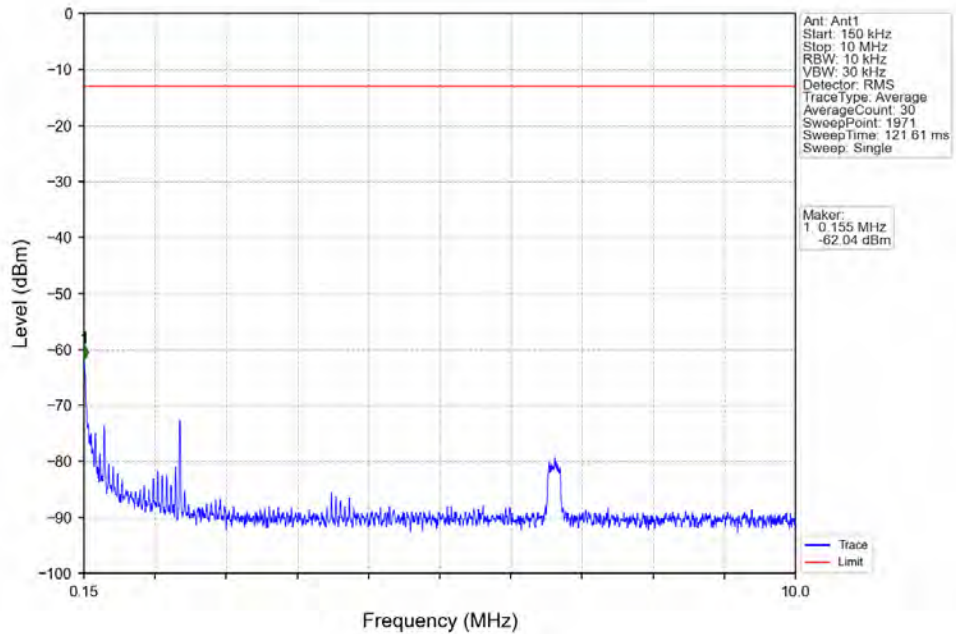
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



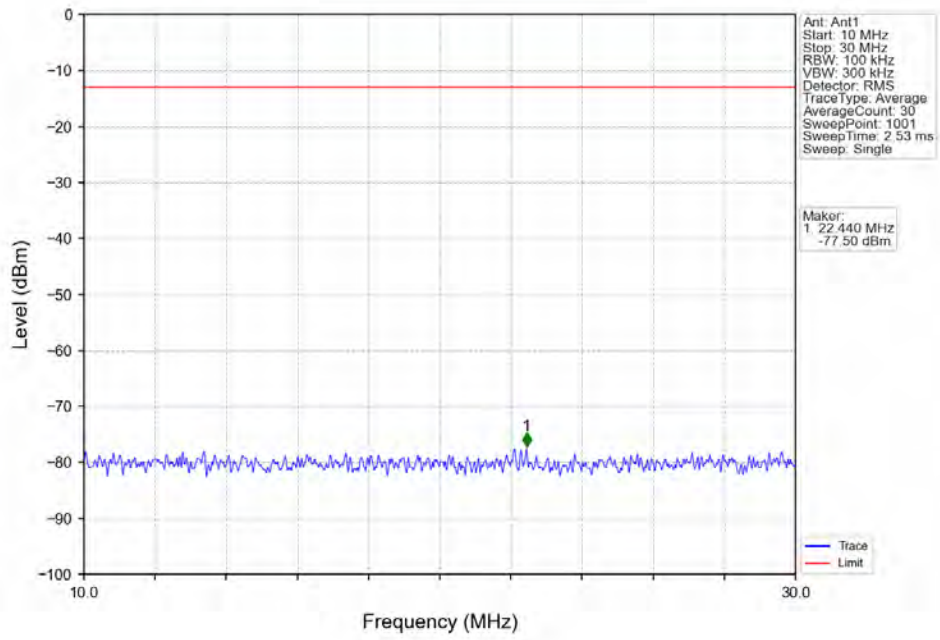
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTV



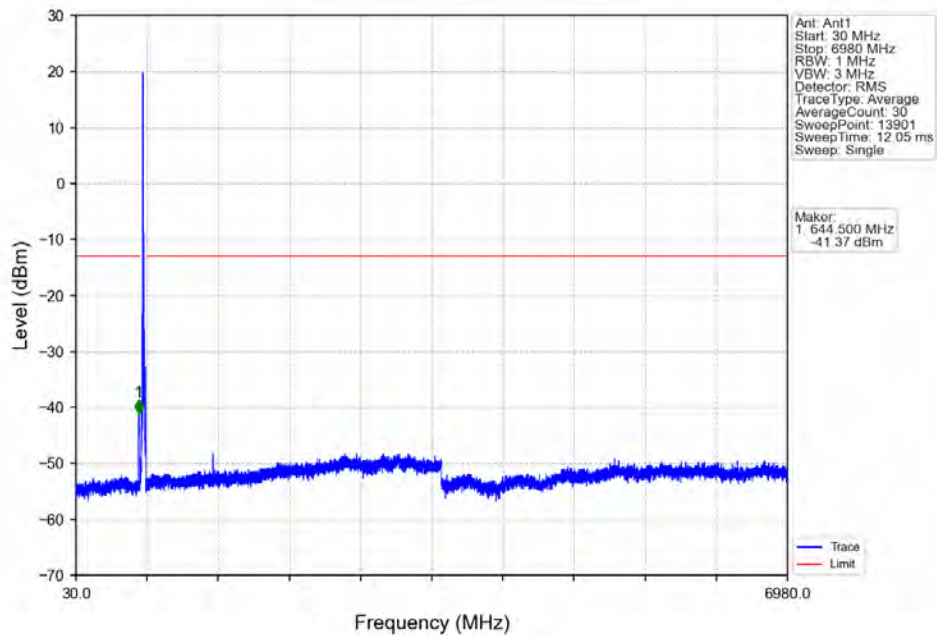
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTV



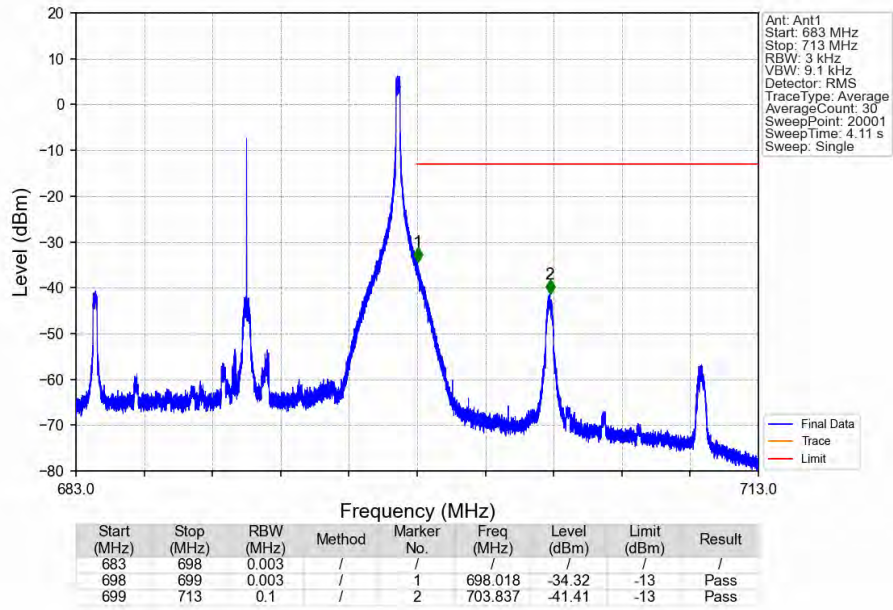
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



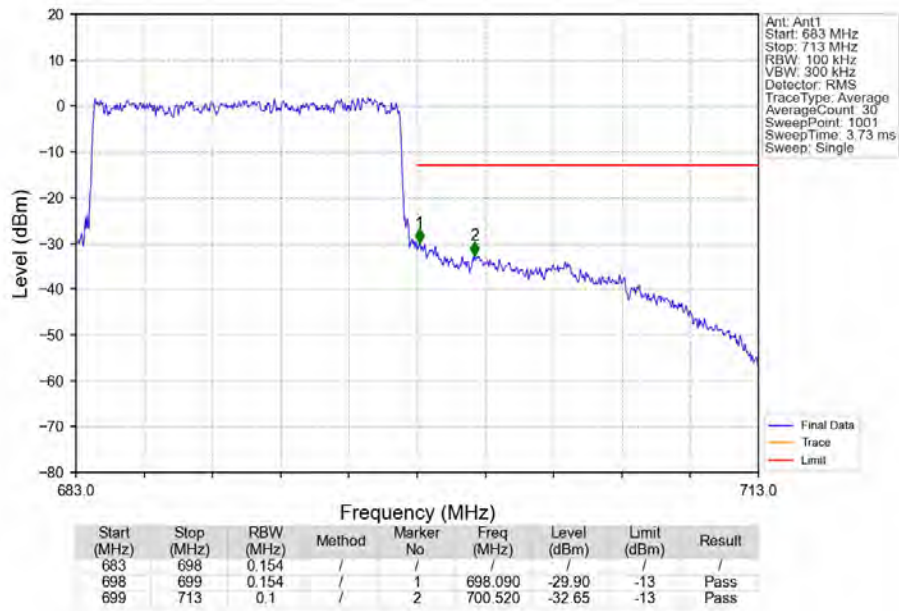
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTNV

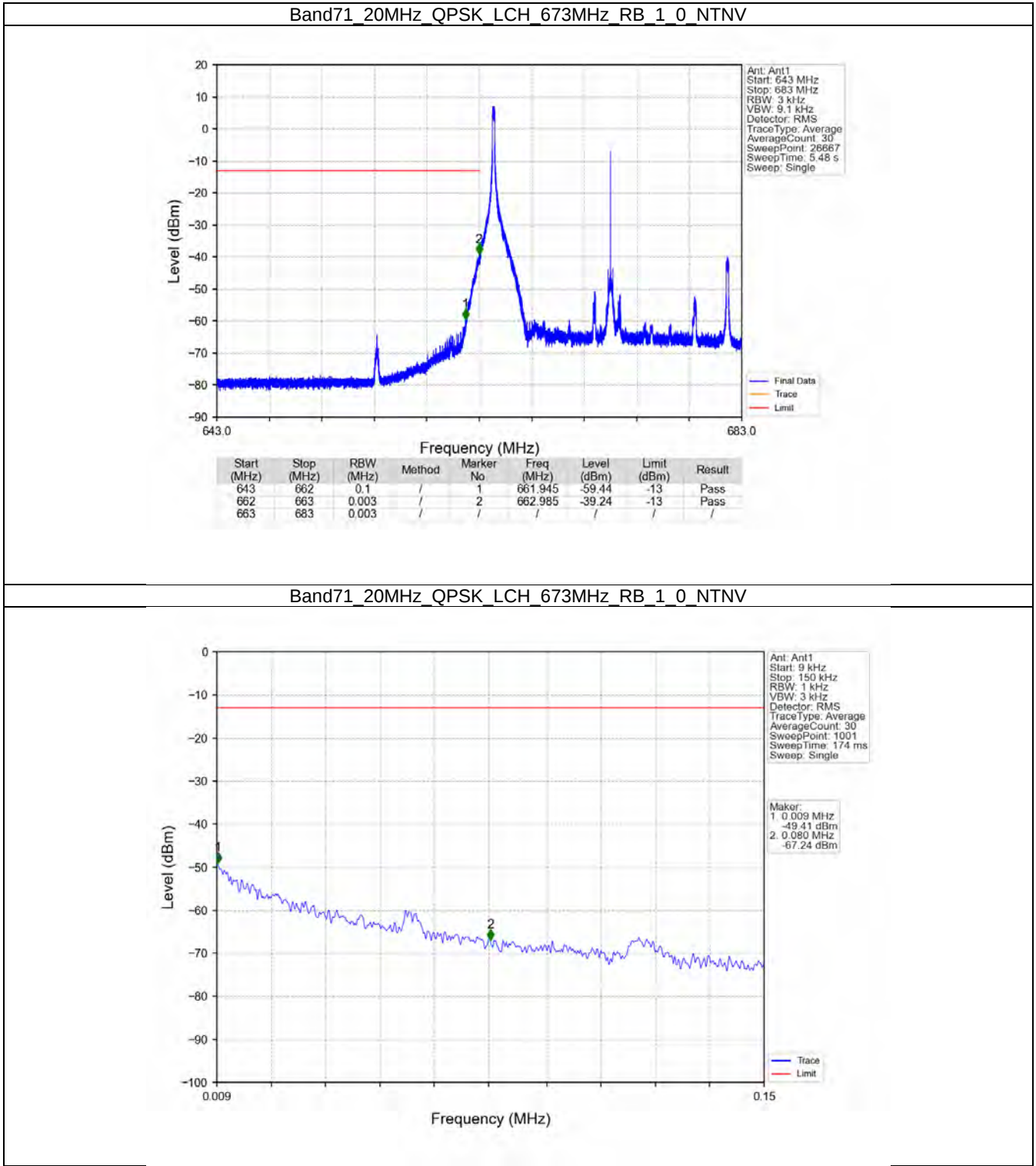


6.4 B71_20MHz

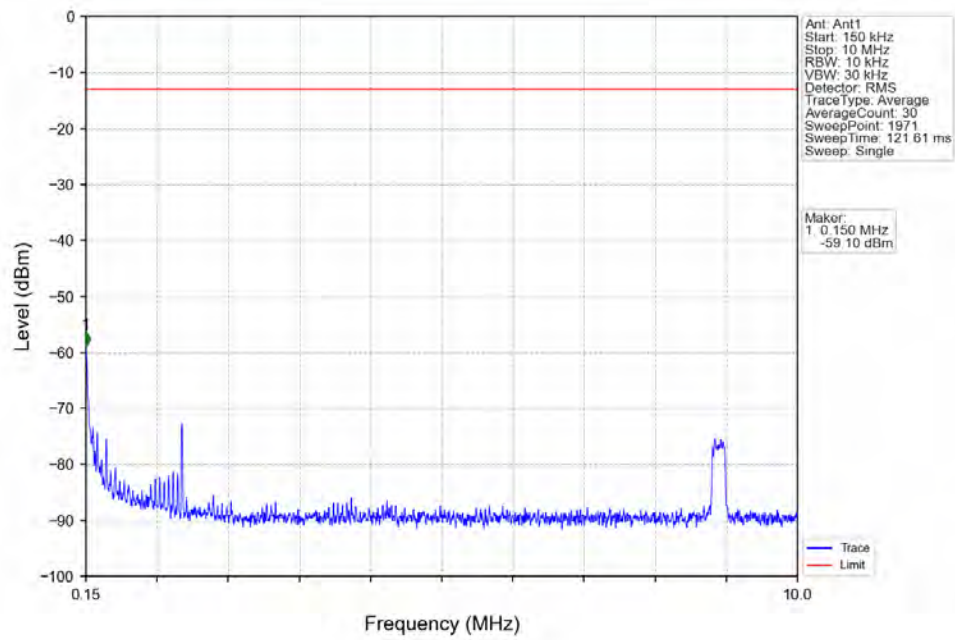
6.4.1 Test Result

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

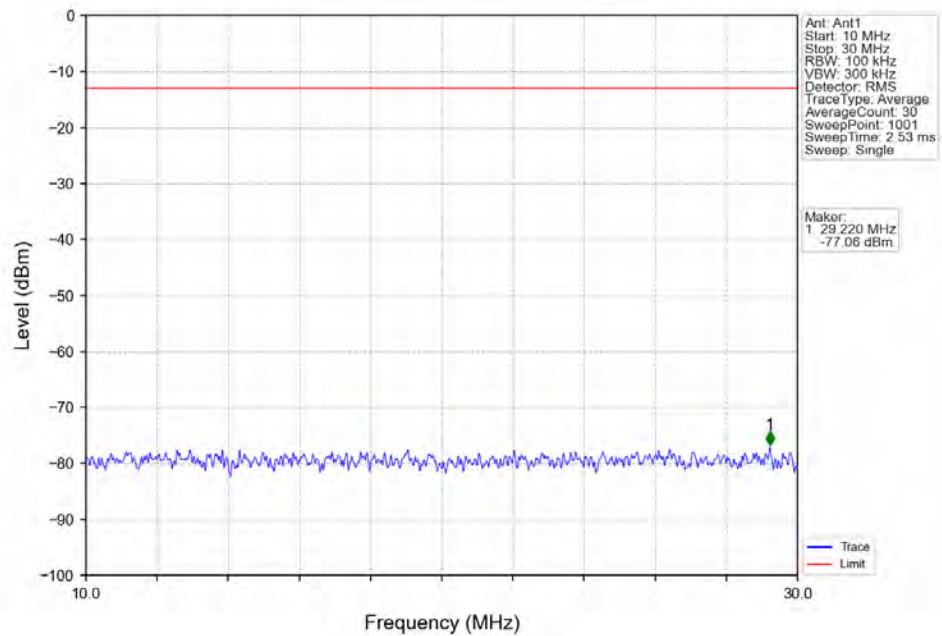
6.4.2 Test Graph



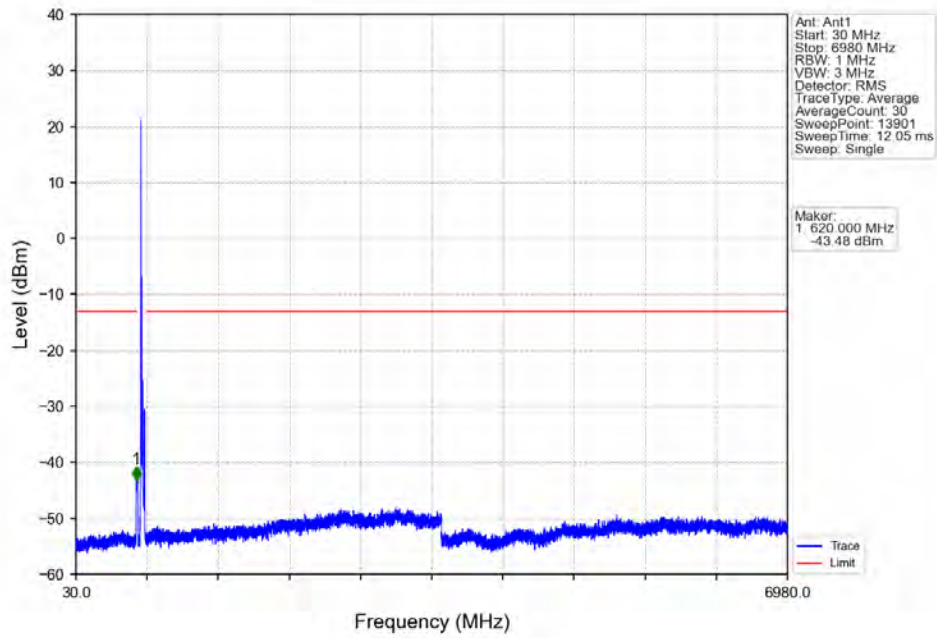
Band71_20MHz QPSK LCH 673MHz RB 1 0 NTN



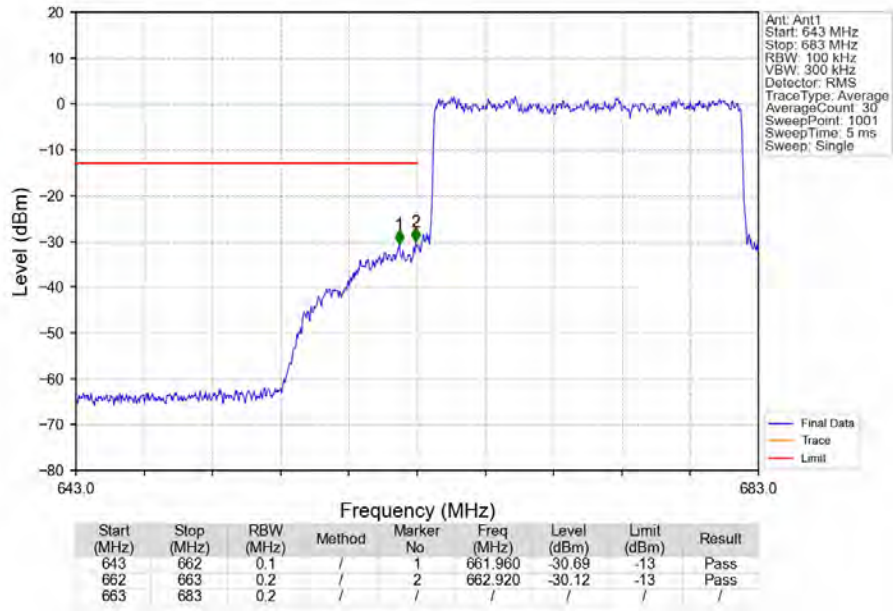
Band71_20MHz QPSK LCH 673MHz RB 1 0 NTN



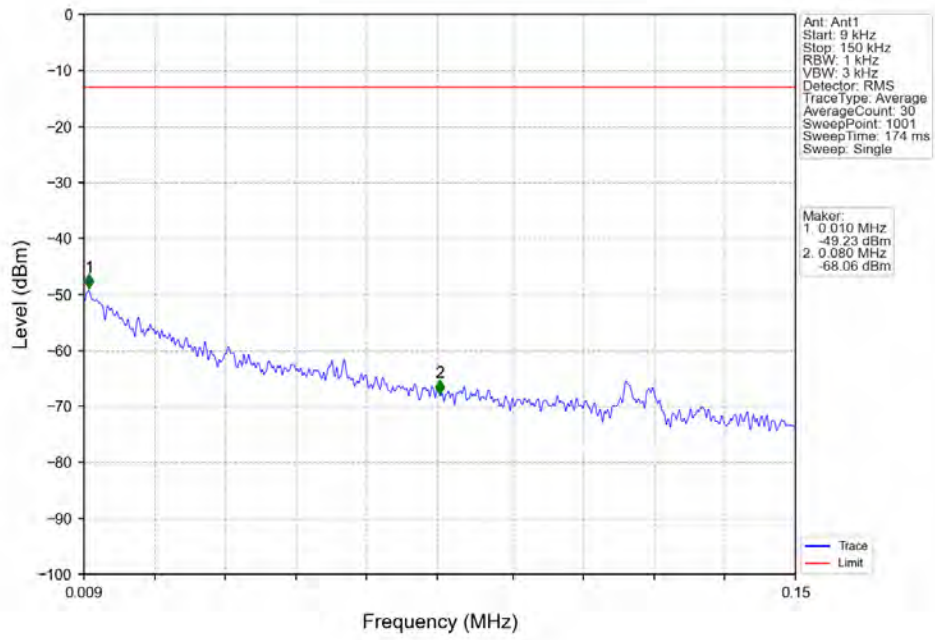
Band71_20MHz QPSK LCH 673MHz RB 1 0 NTN



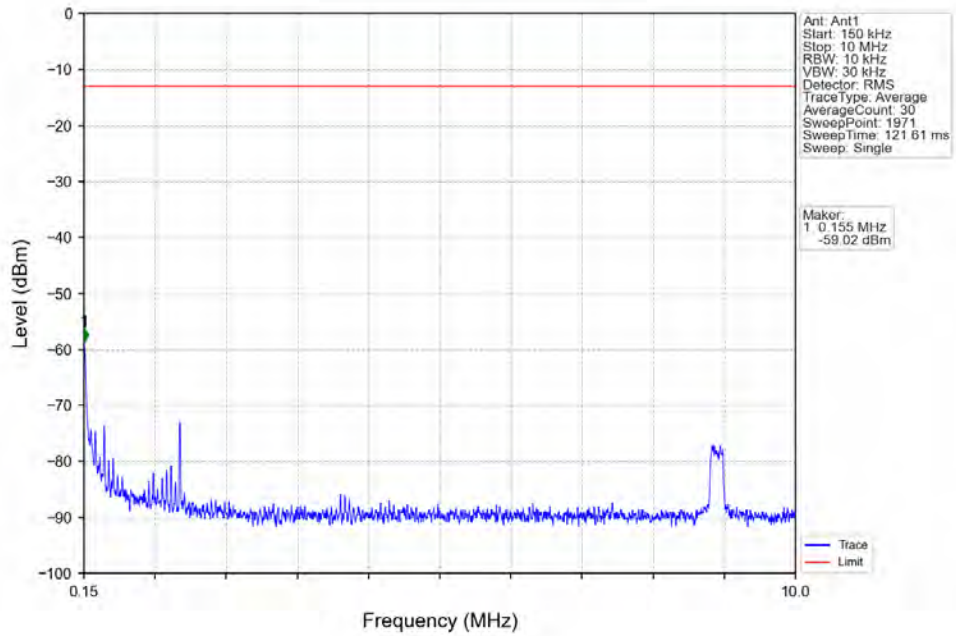
Band71_20MHz QPSK LCH 673MHz RB 100 0 NTN



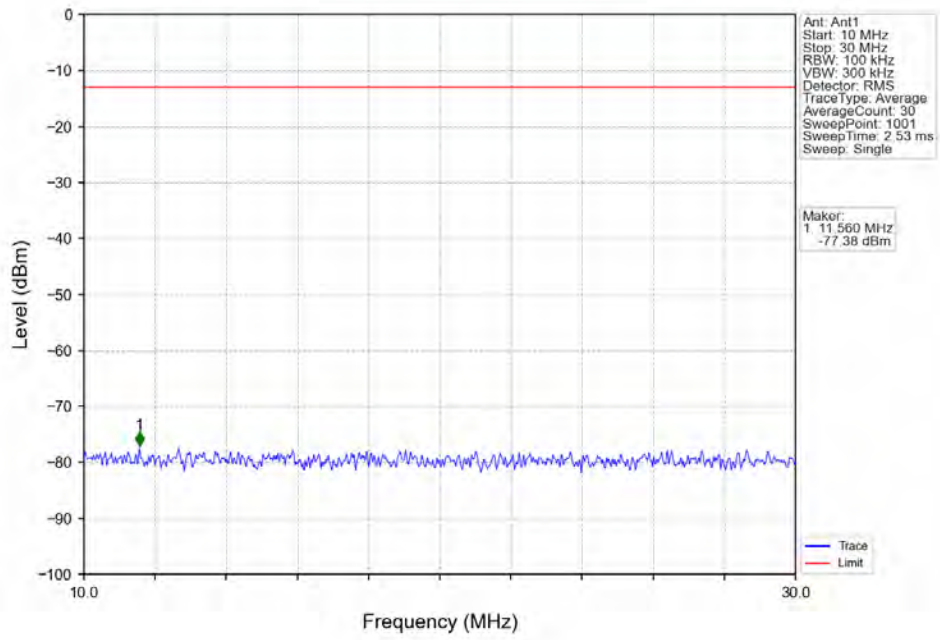
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



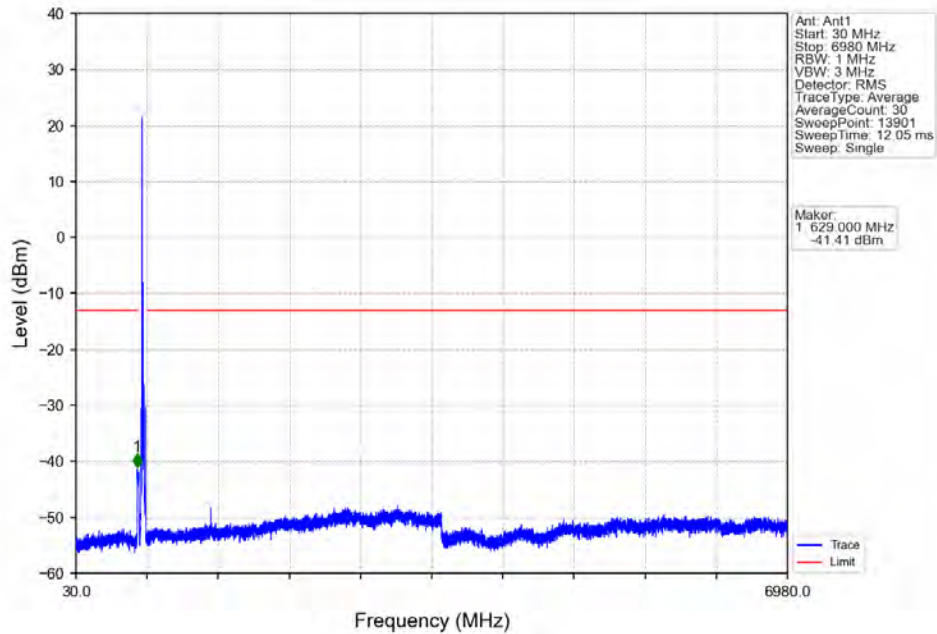
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



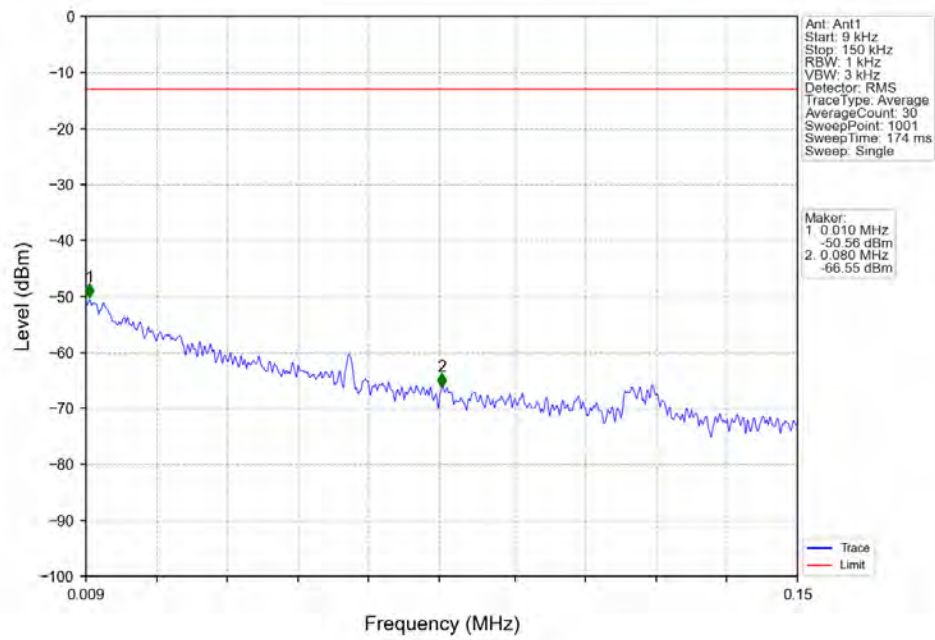
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



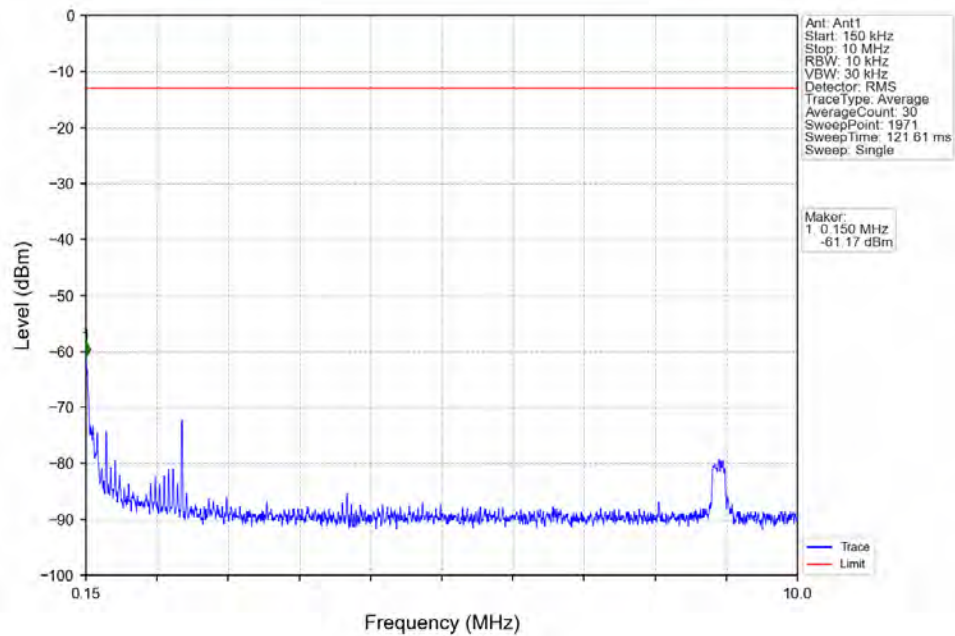
Band71 20MHz QPSK MCH 683MHz RB 1 0 NTNV



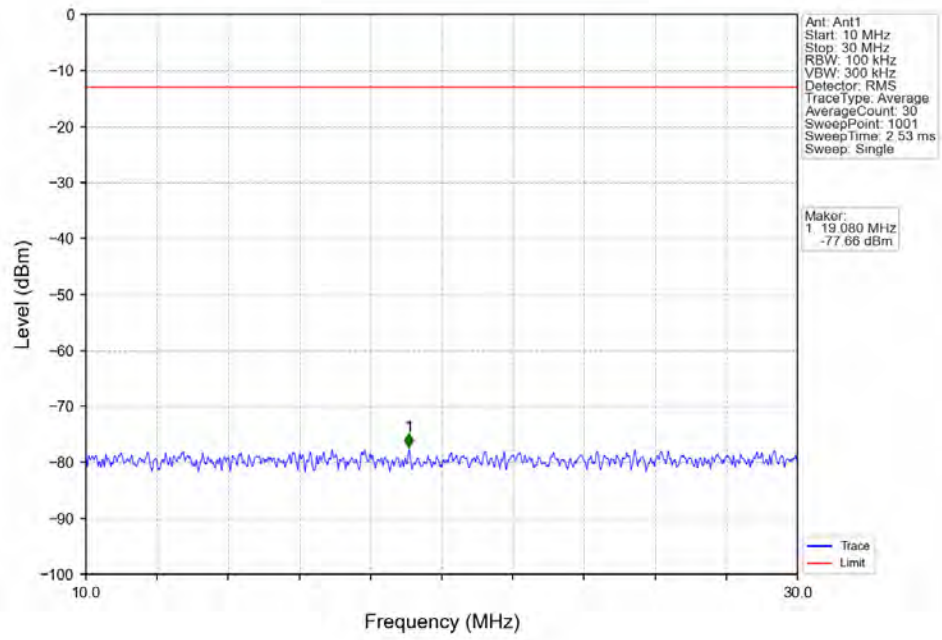
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



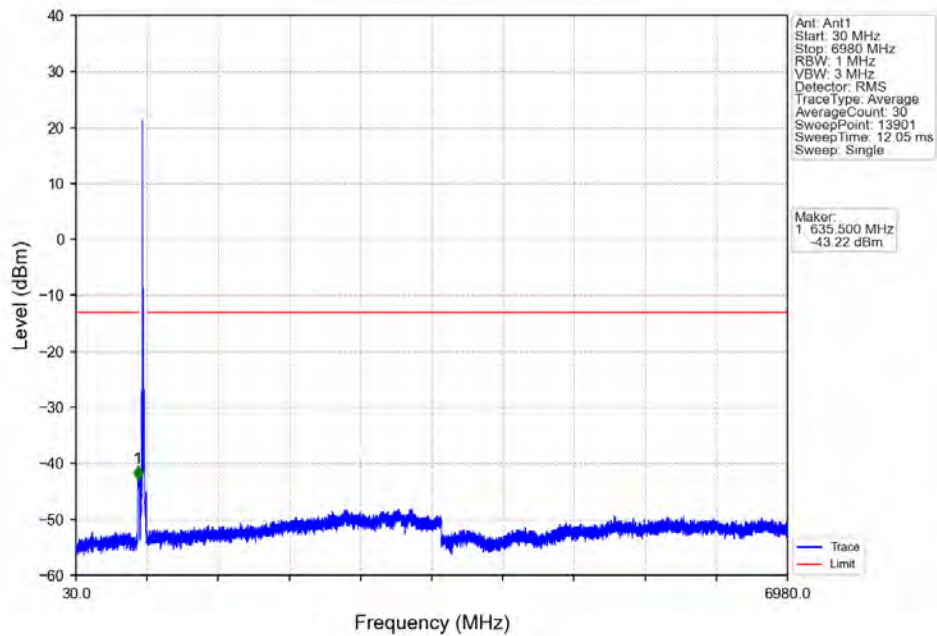
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



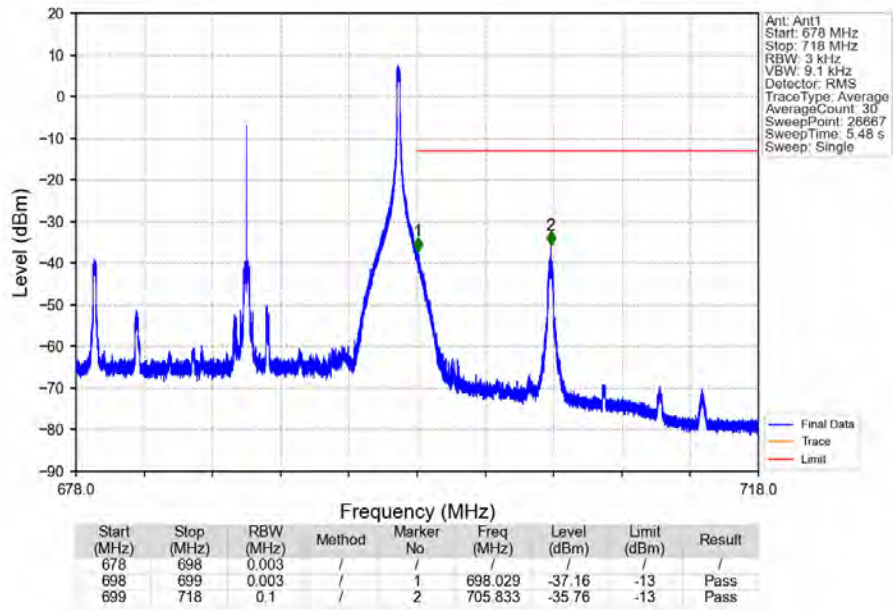
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



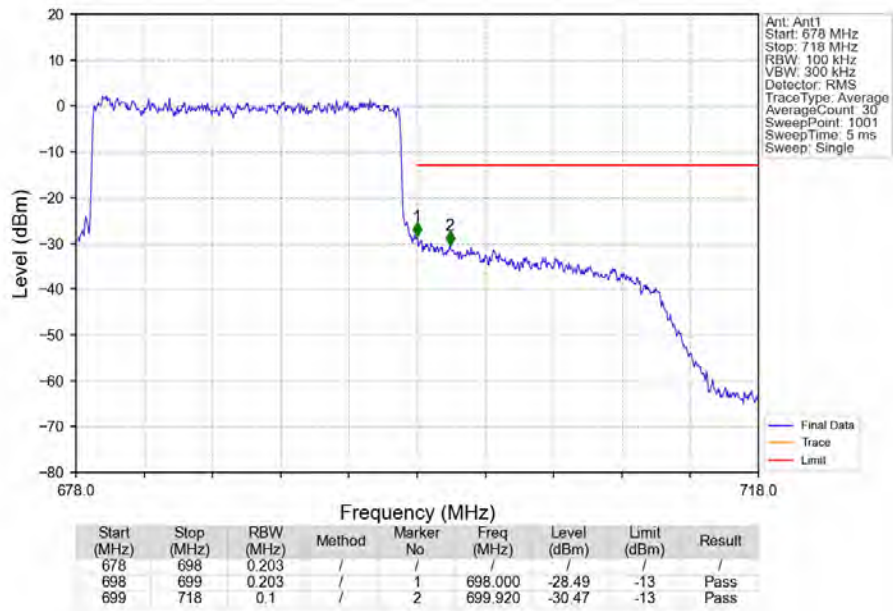
Band71 20MHz QPSK HCH 688MHz RB 1 0 NTNV



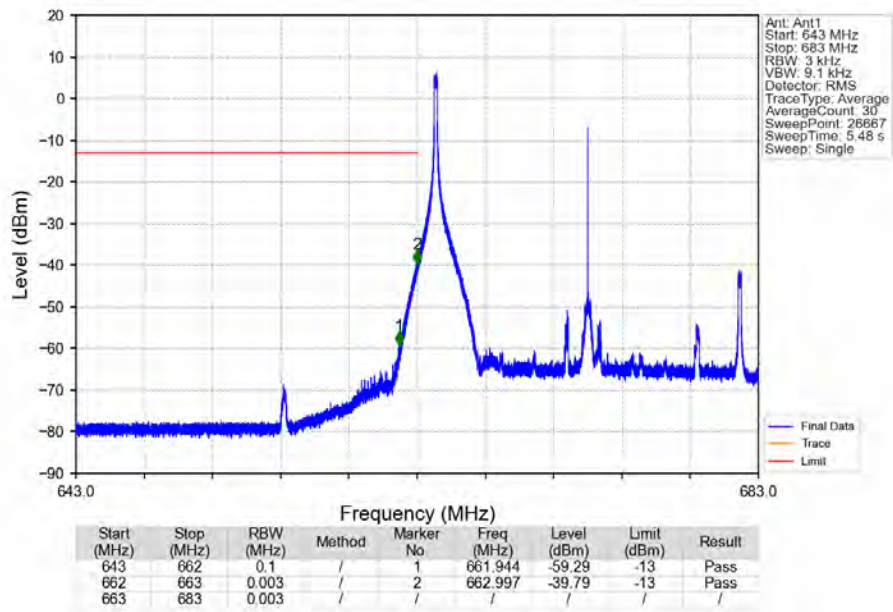
Band71 20MHz QPSK HCH 688MHz RB 1 99 NTNV



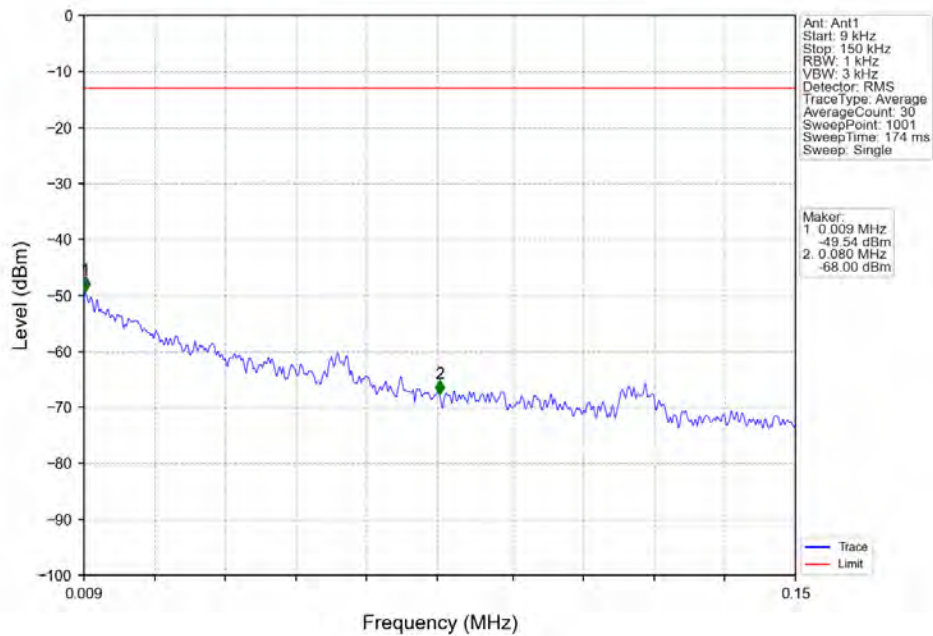
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



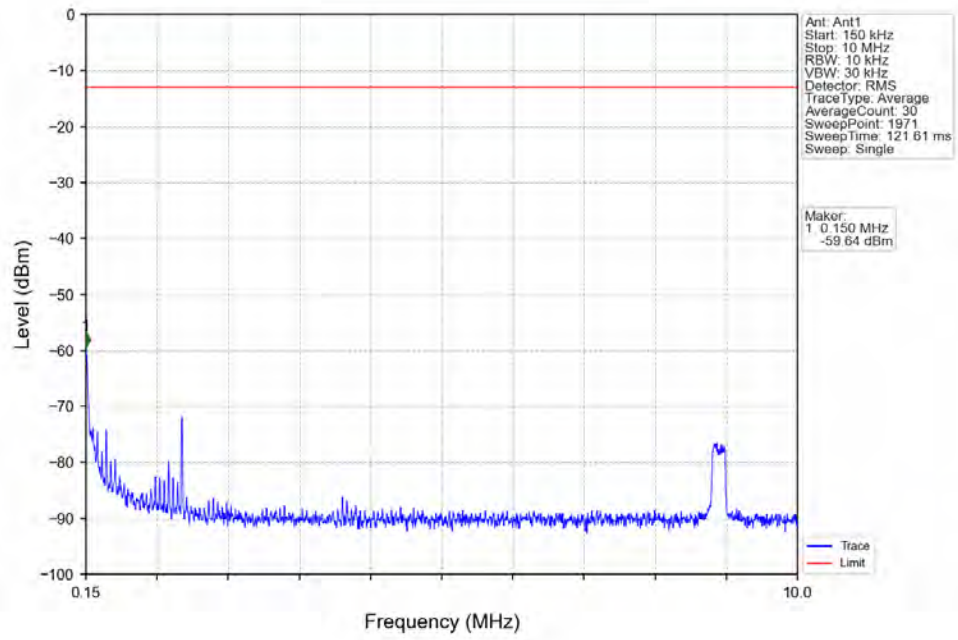
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



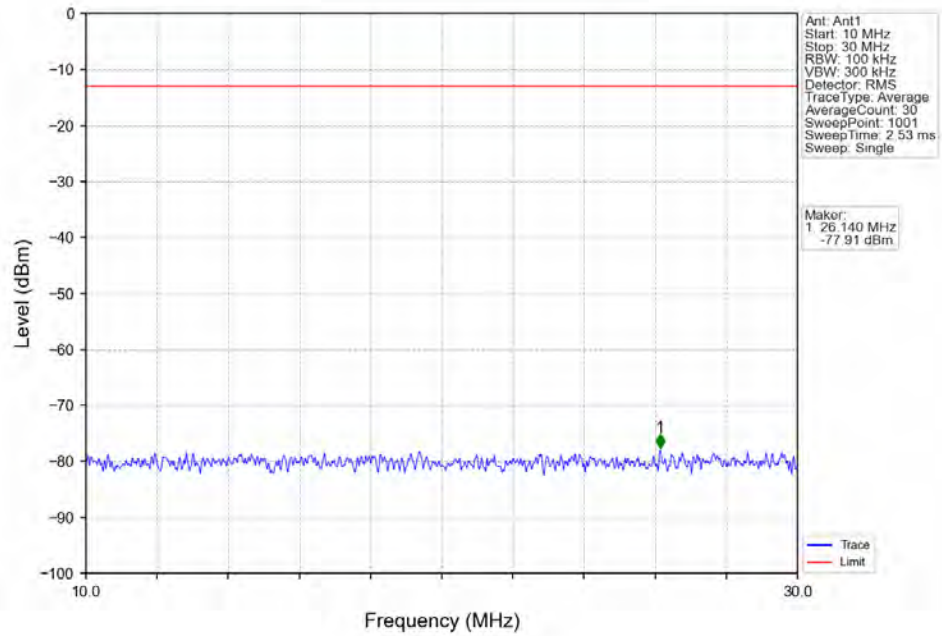
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV

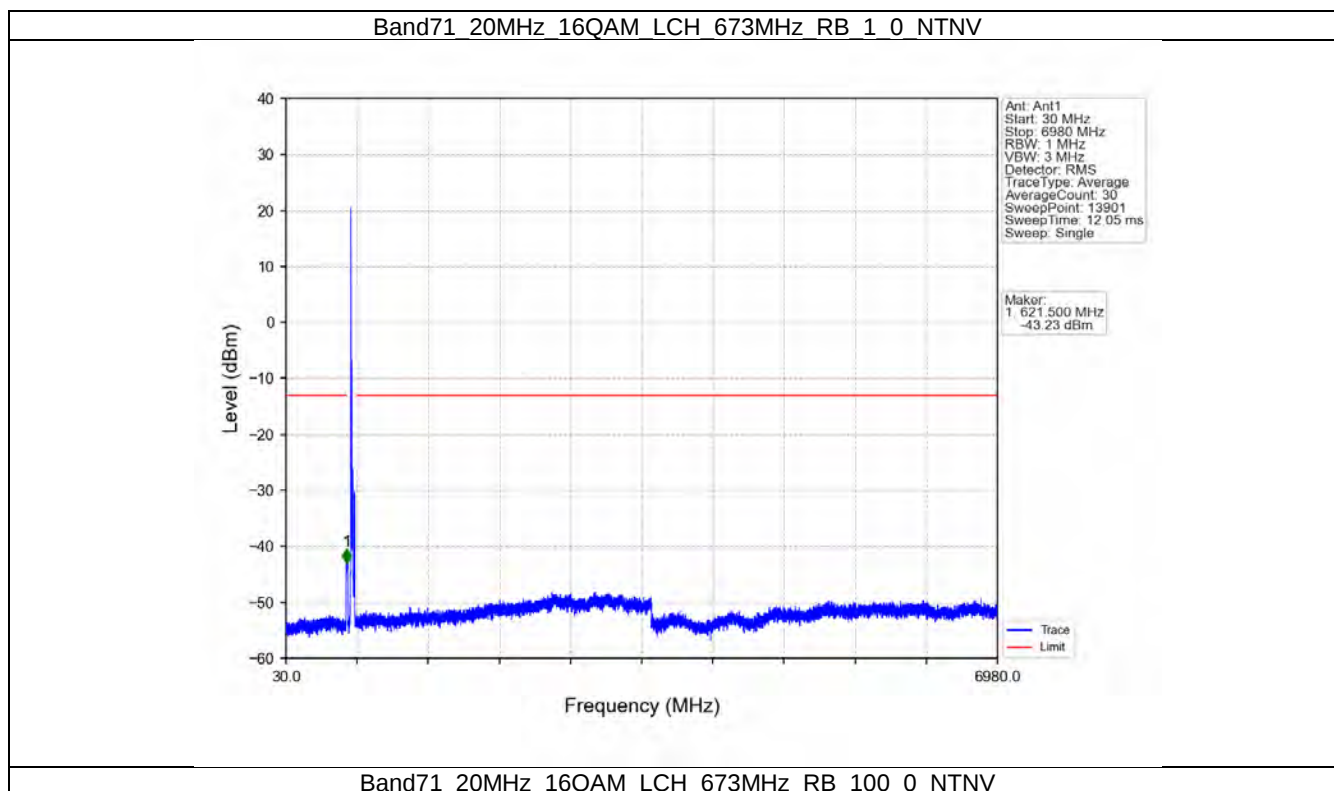


Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTN



Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTN



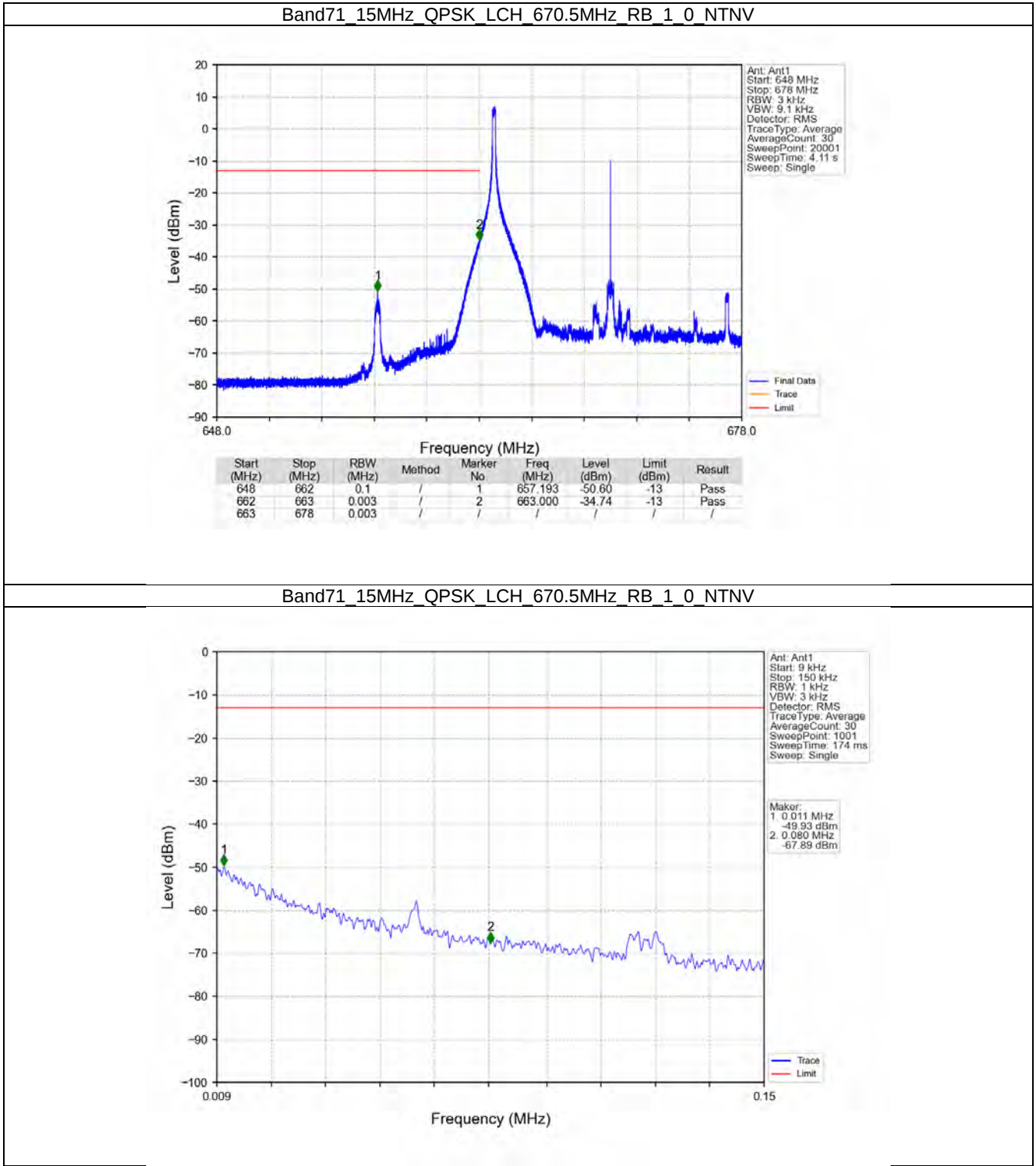


6.3 B71_15MHz

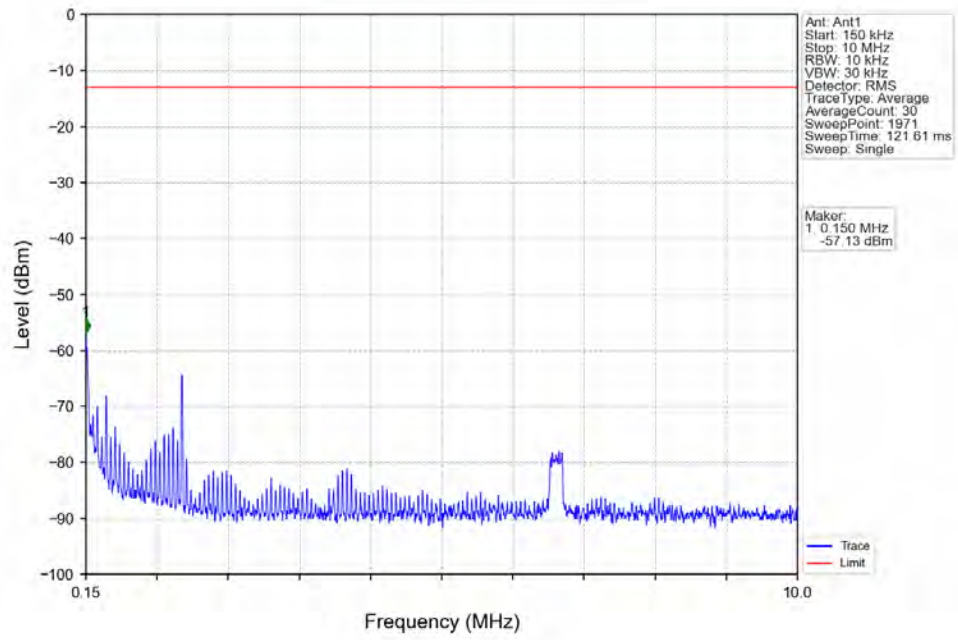
6.3.1 Test Result

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
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			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
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

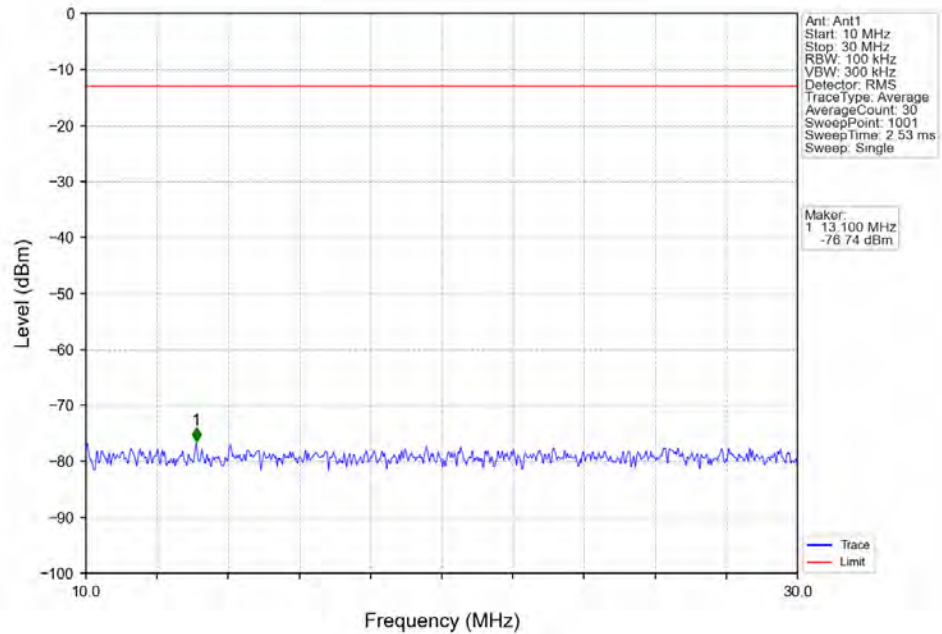
6.3.2 Test Graph



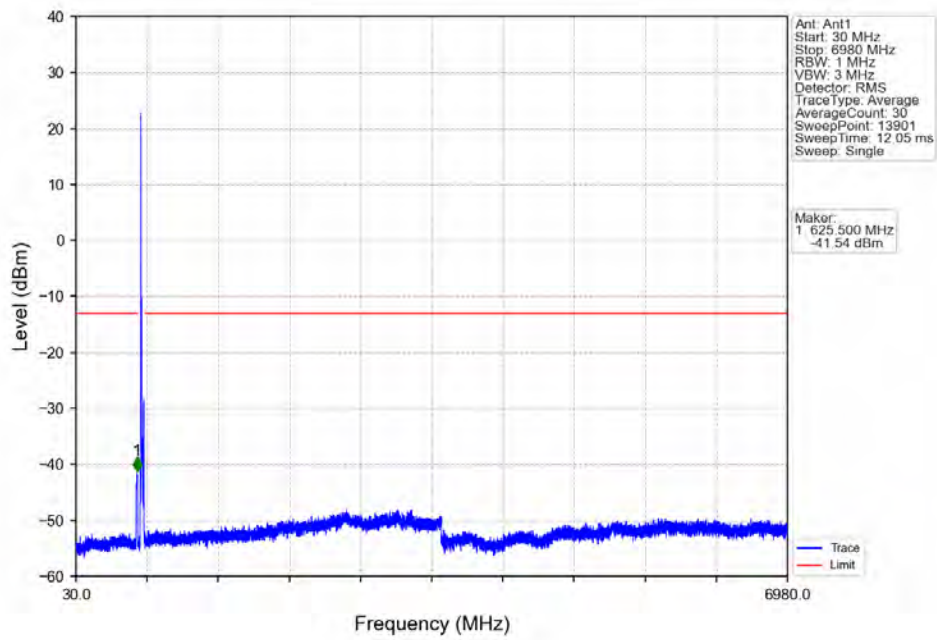
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



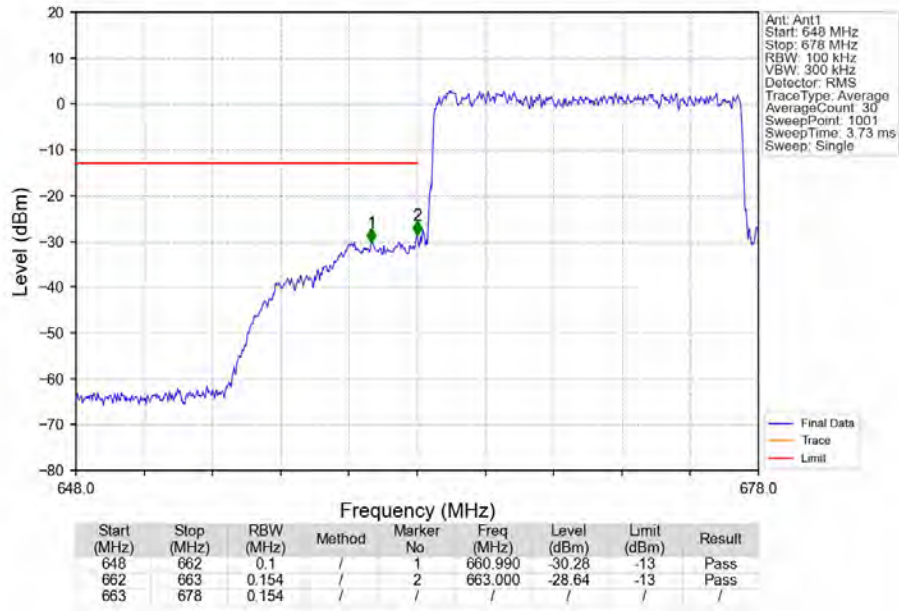
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



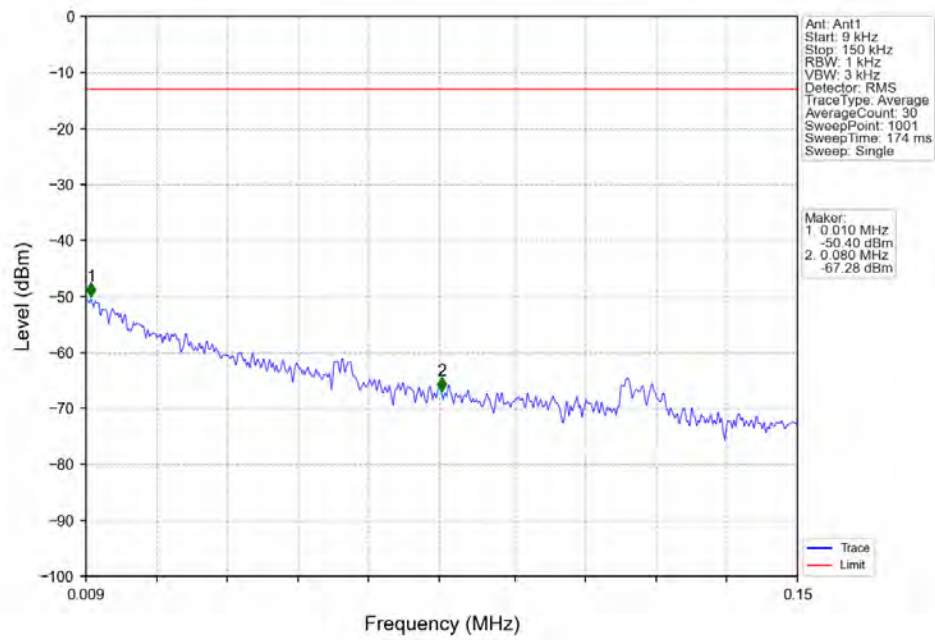
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



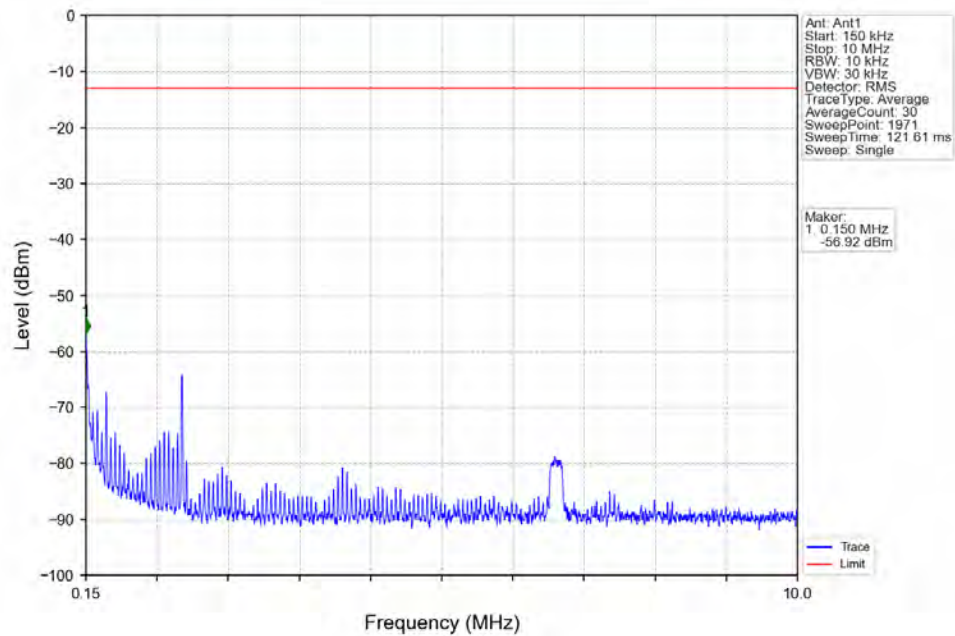
Band71 15MHz QPSK LCH 670.5MHz RB 75 0 NTNV



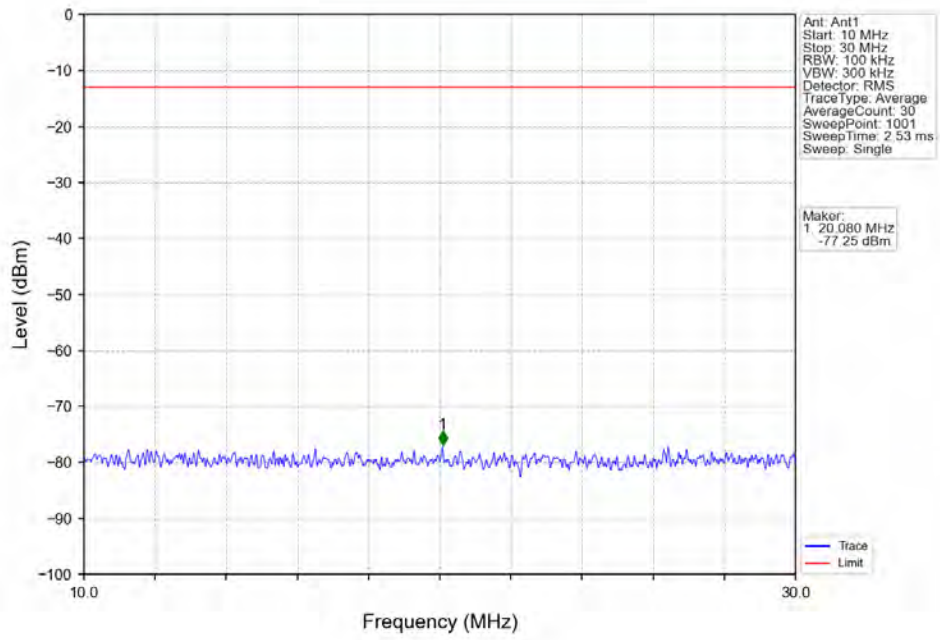
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



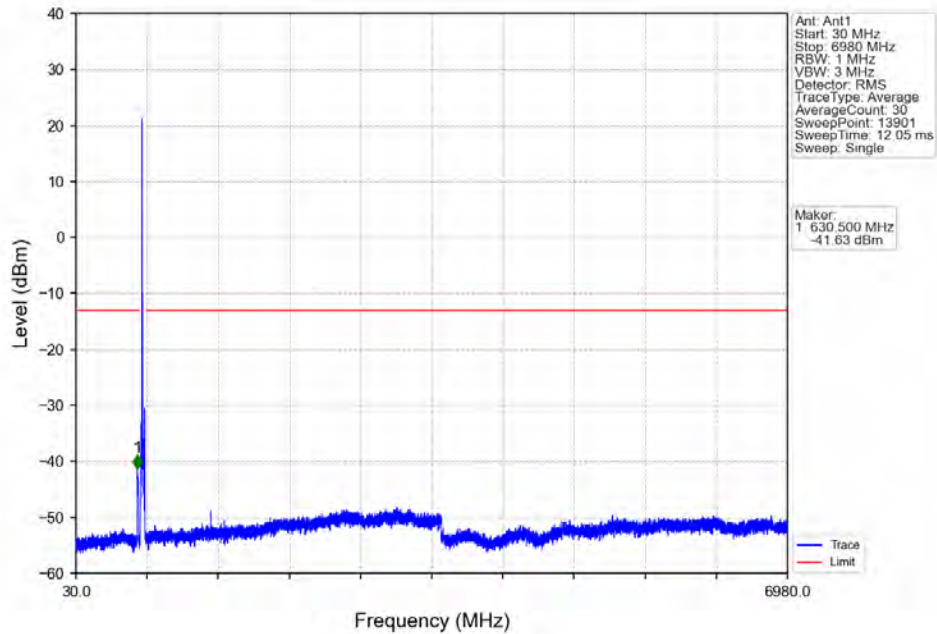
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



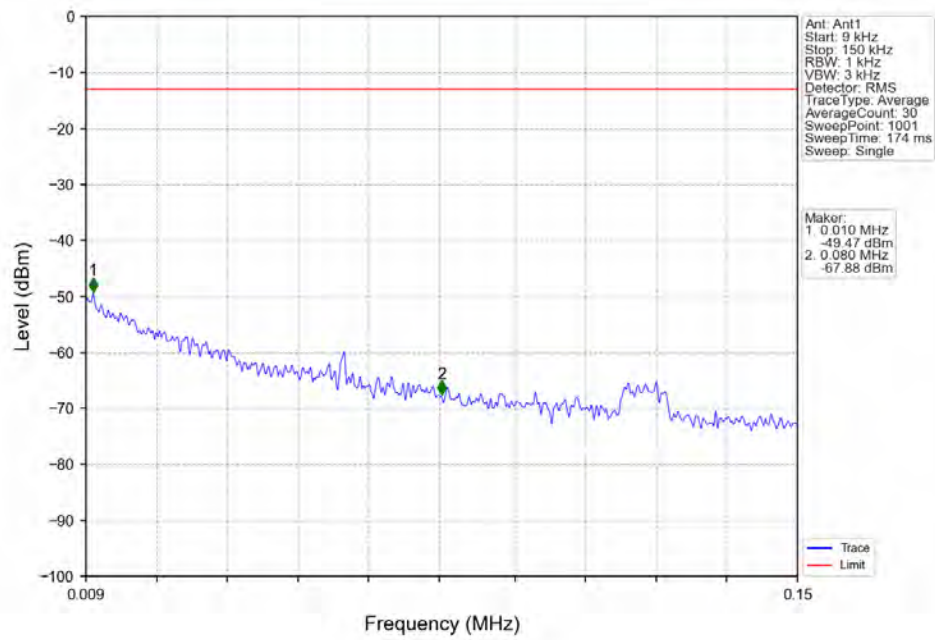
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



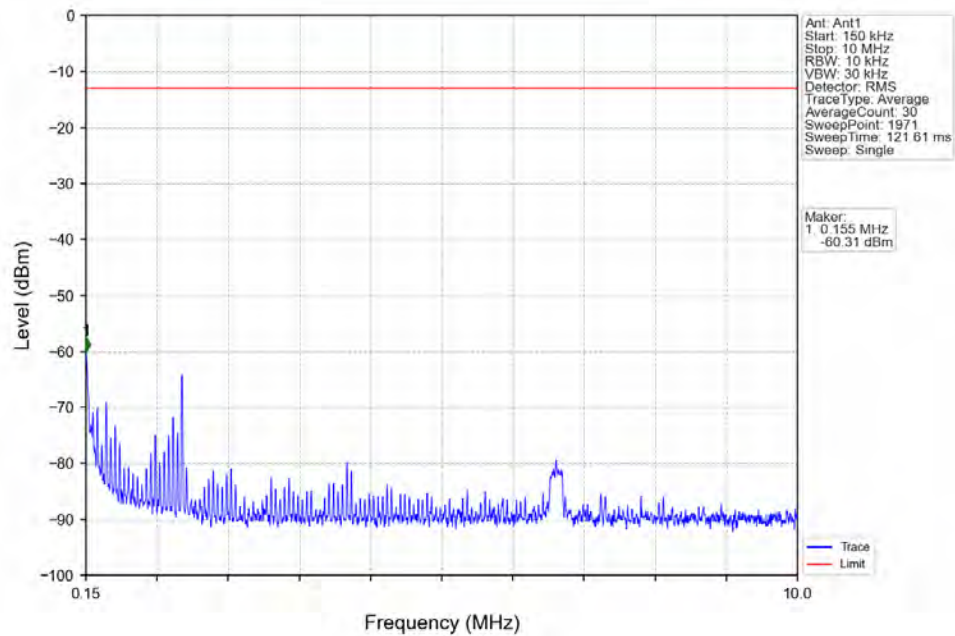
Band71 15MHz QPSK MCH 680.5MHz RB 1 0 NTNV



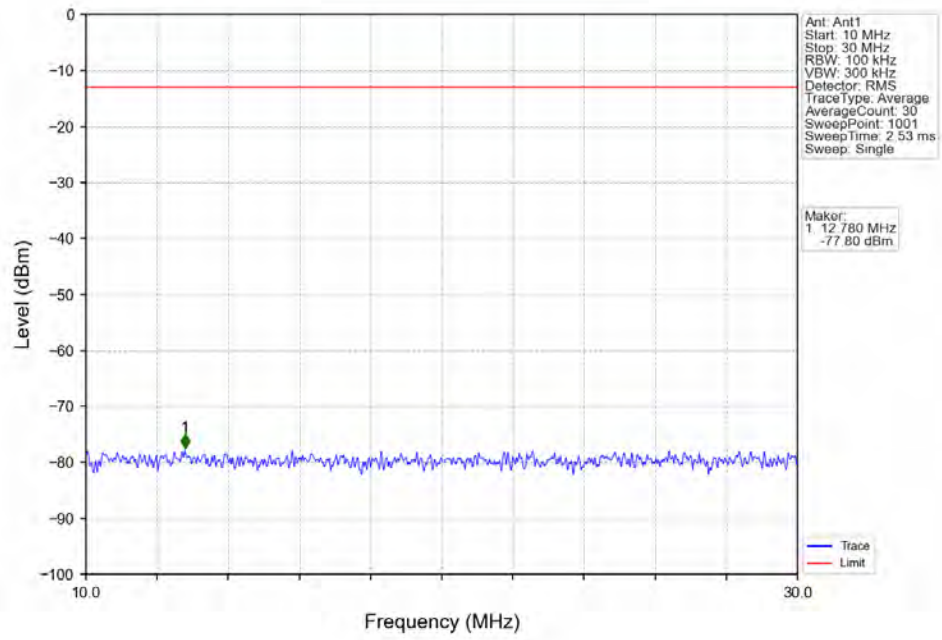
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



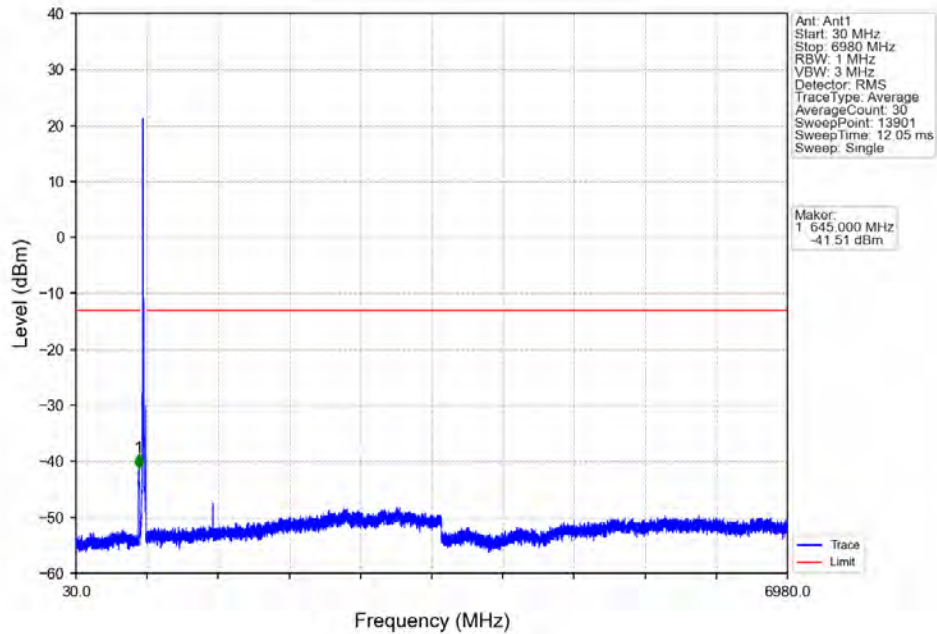
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTN



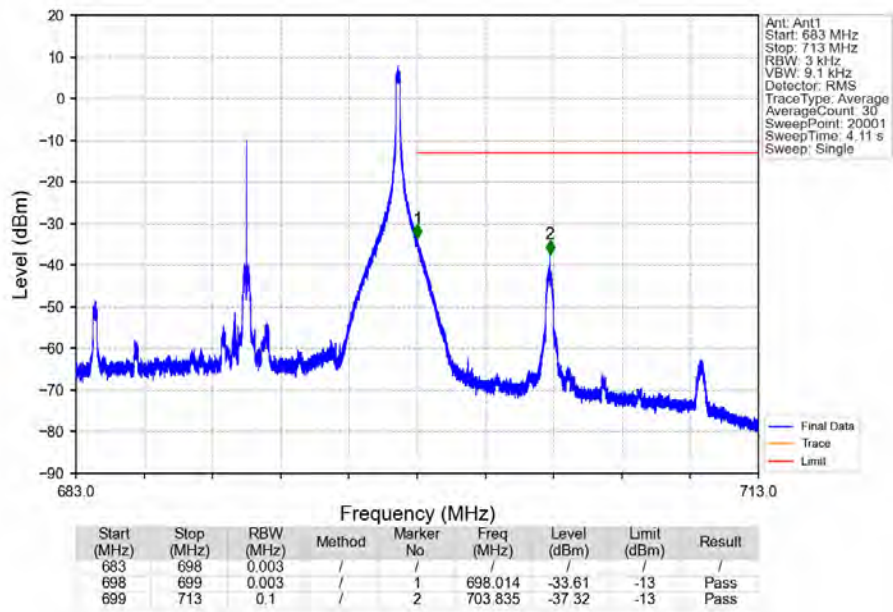
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTNV



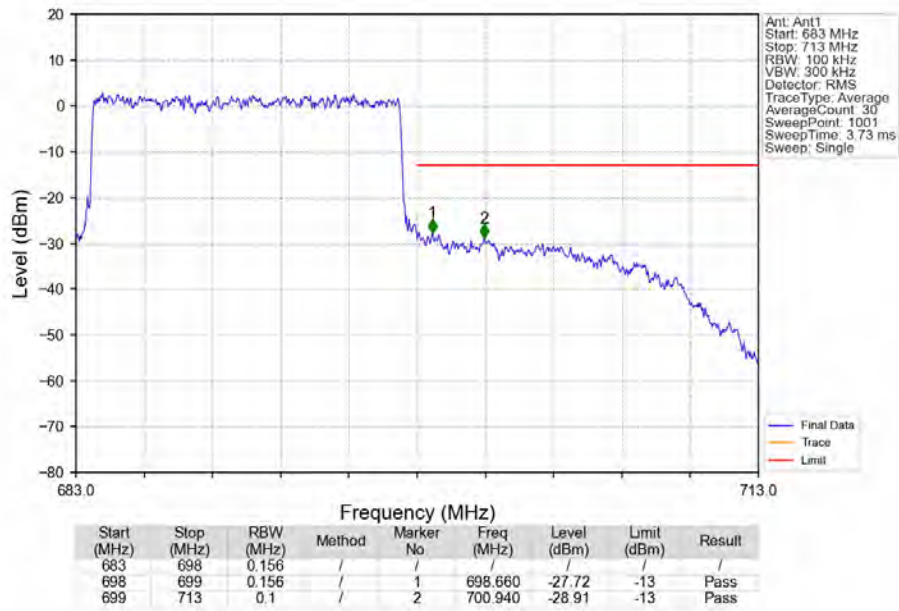
Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTNV



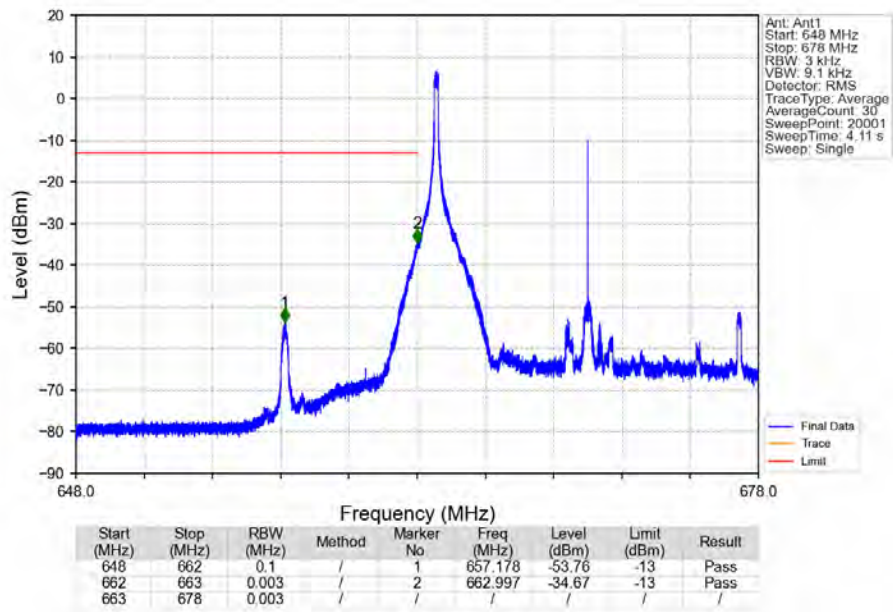
Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTV



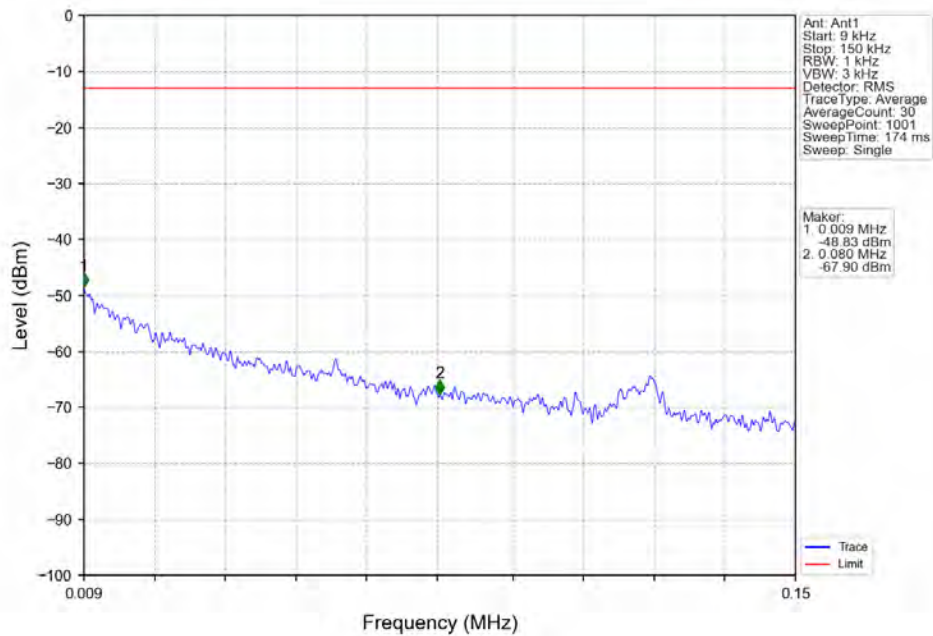
Band71 15MHz QPSK HCH 690.5MHz RB 75 0 NTV



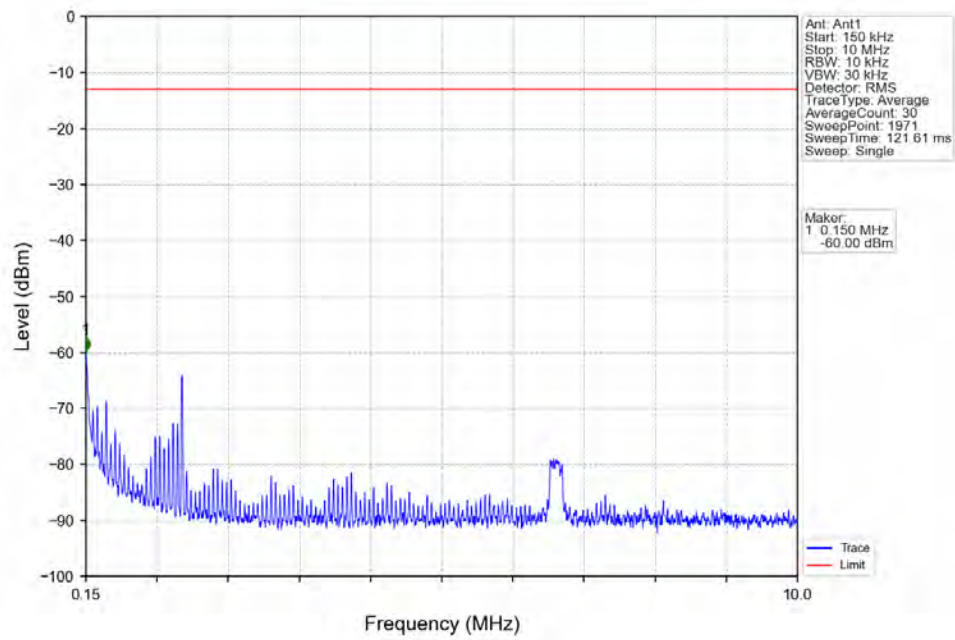
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



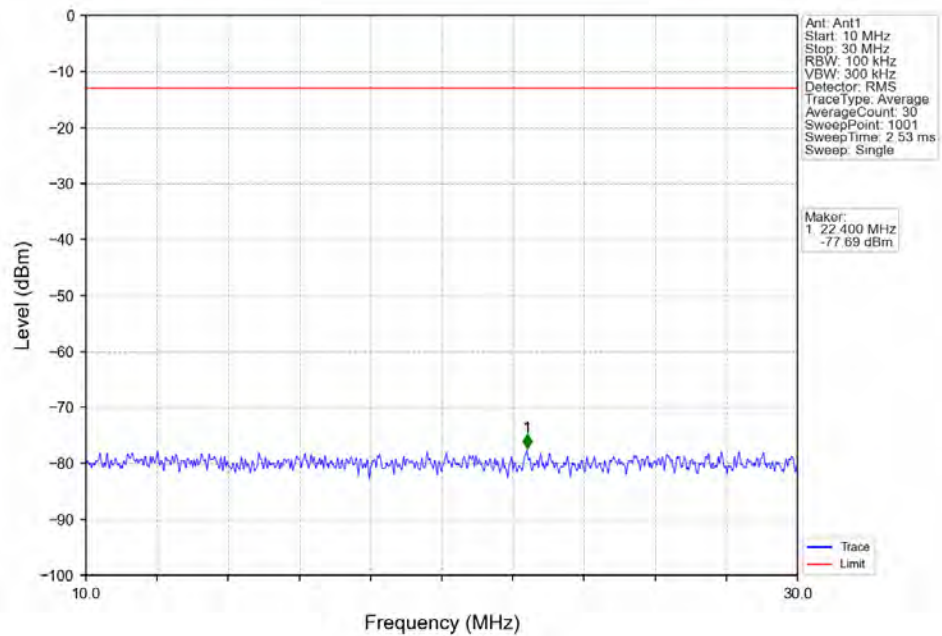
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



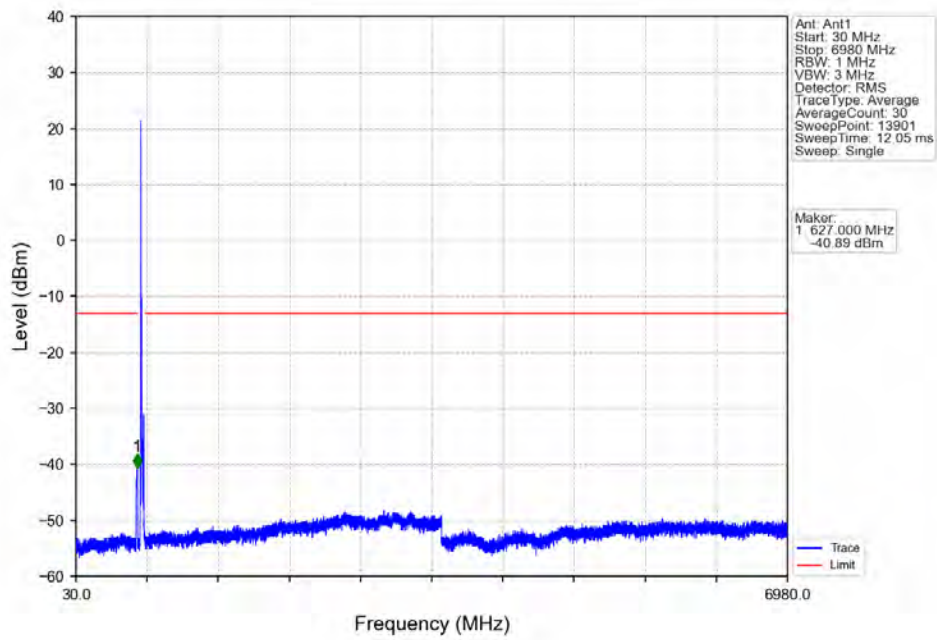
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



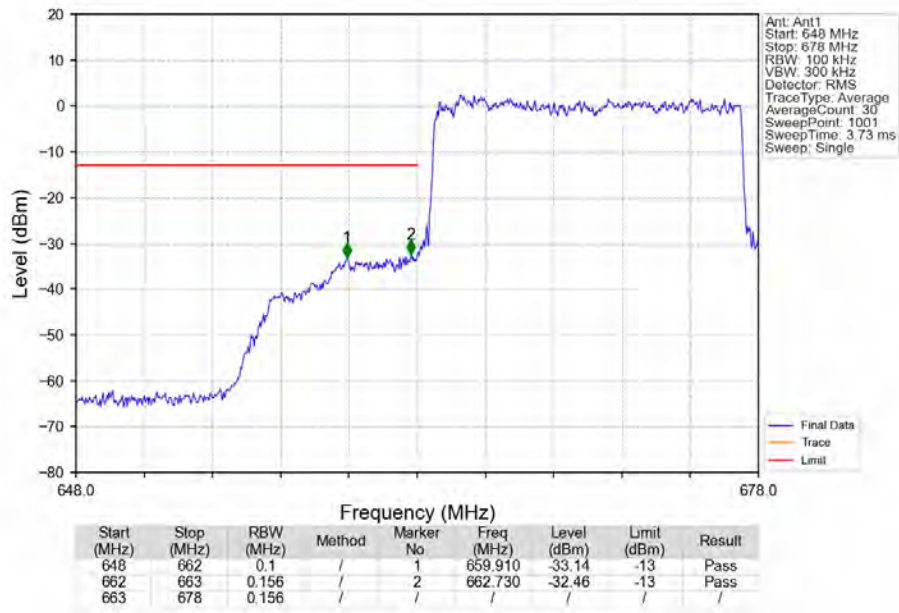
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTNV



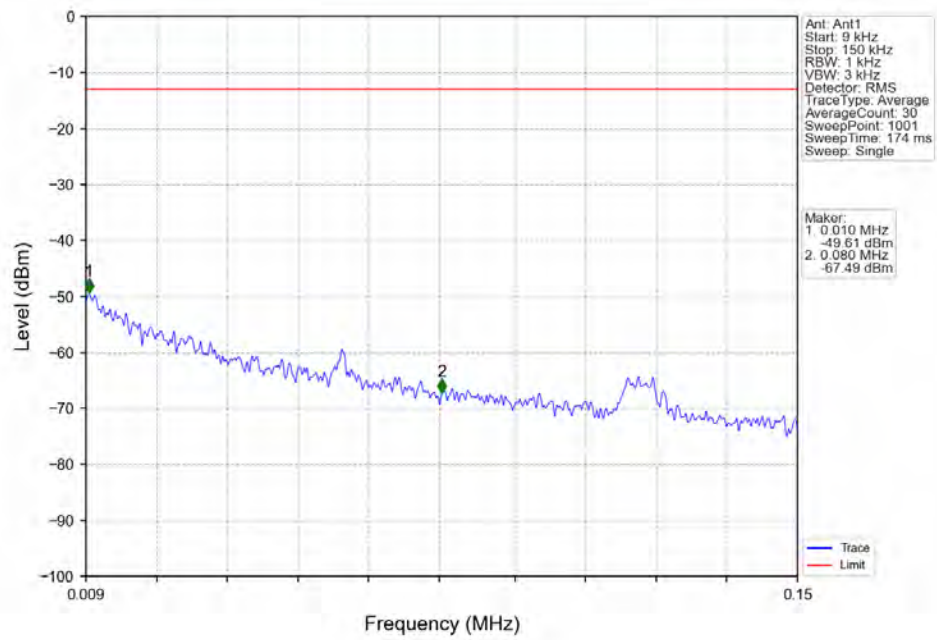
Band71 15MHz 16QAM LCH 670.5MHz RB 1 0 NTV



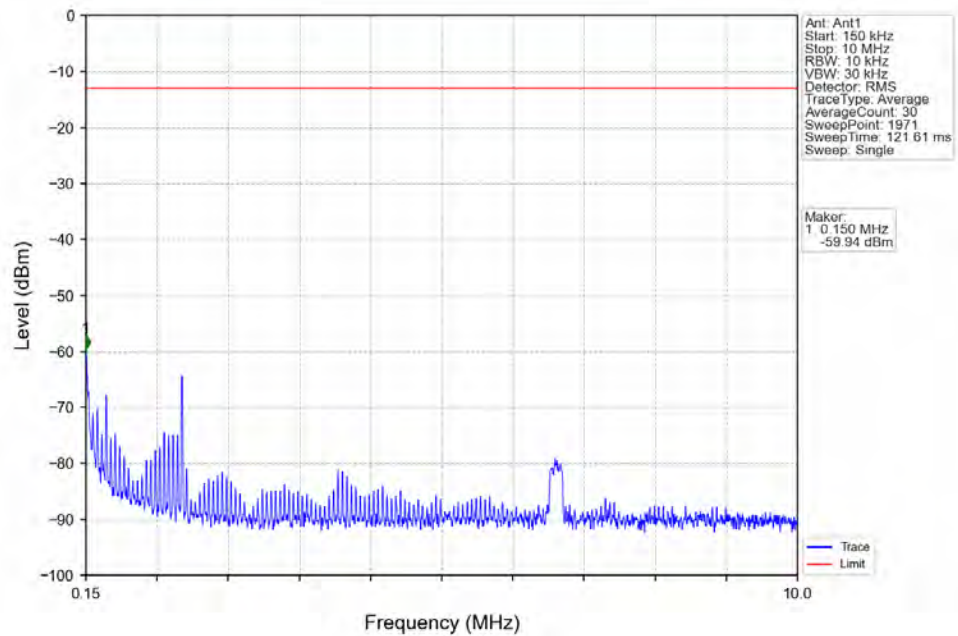
Band71 15MHz 16QAM LCH 670.5MHz RB 75 0 NTV



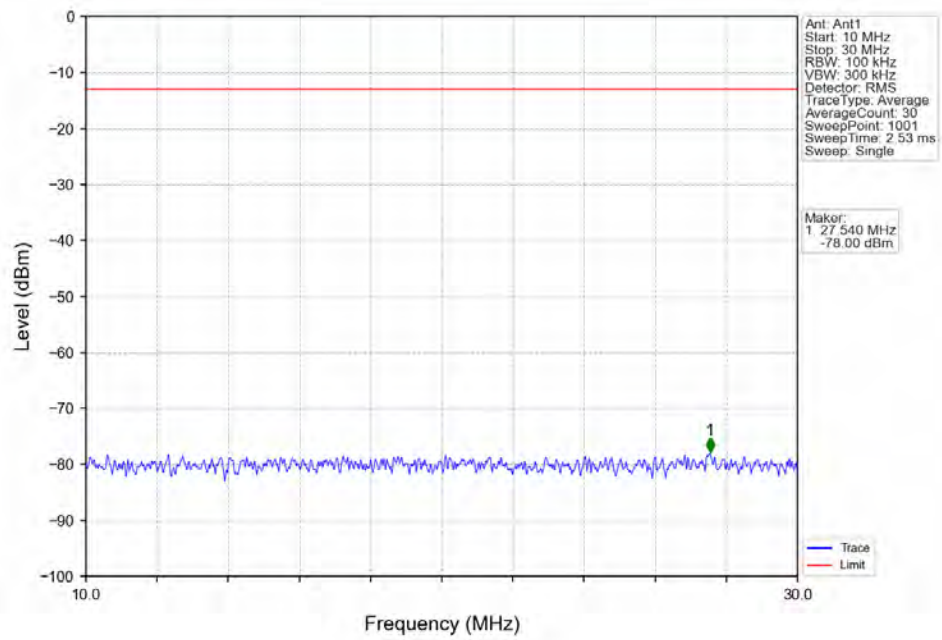
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



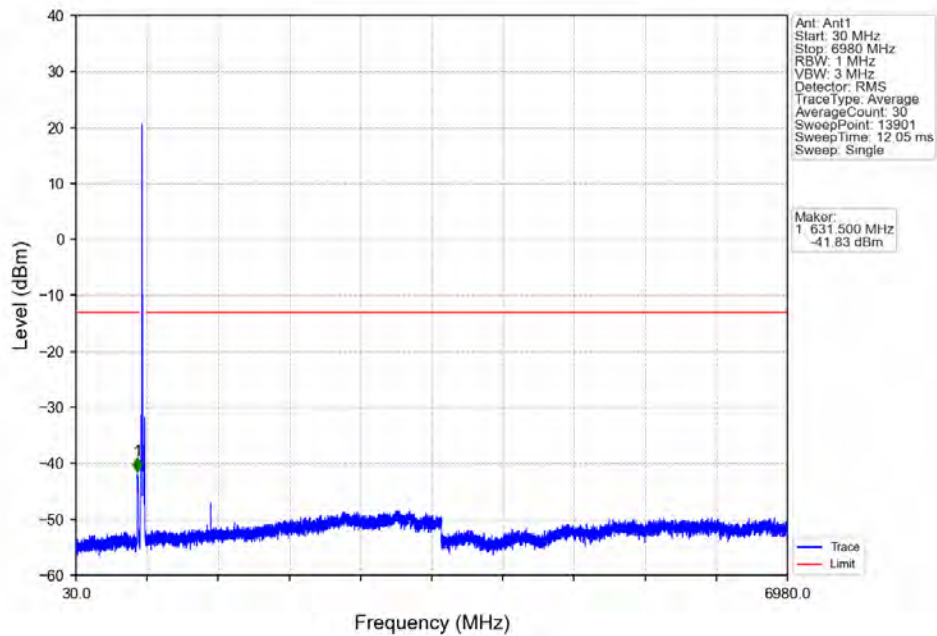
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



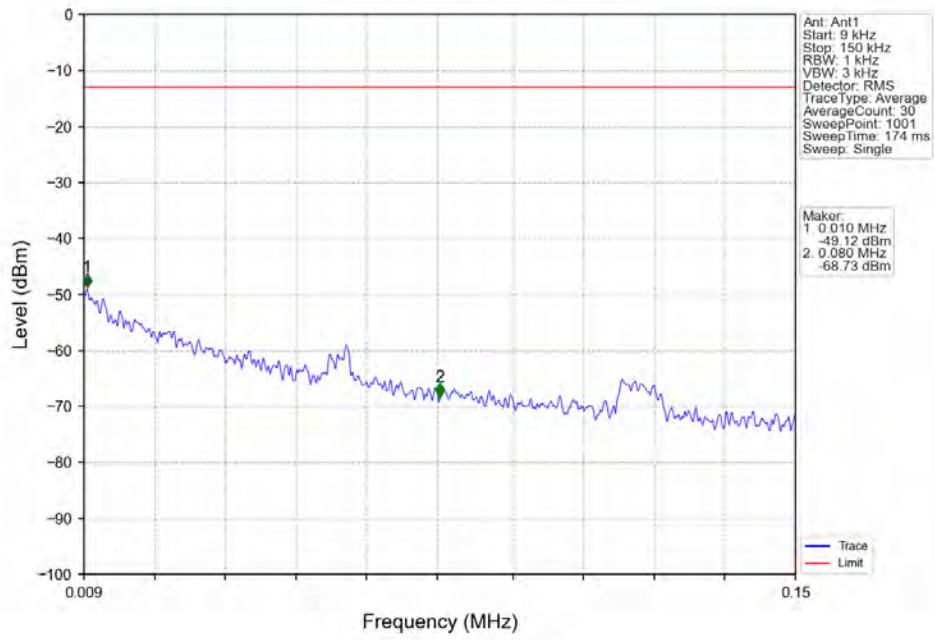
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



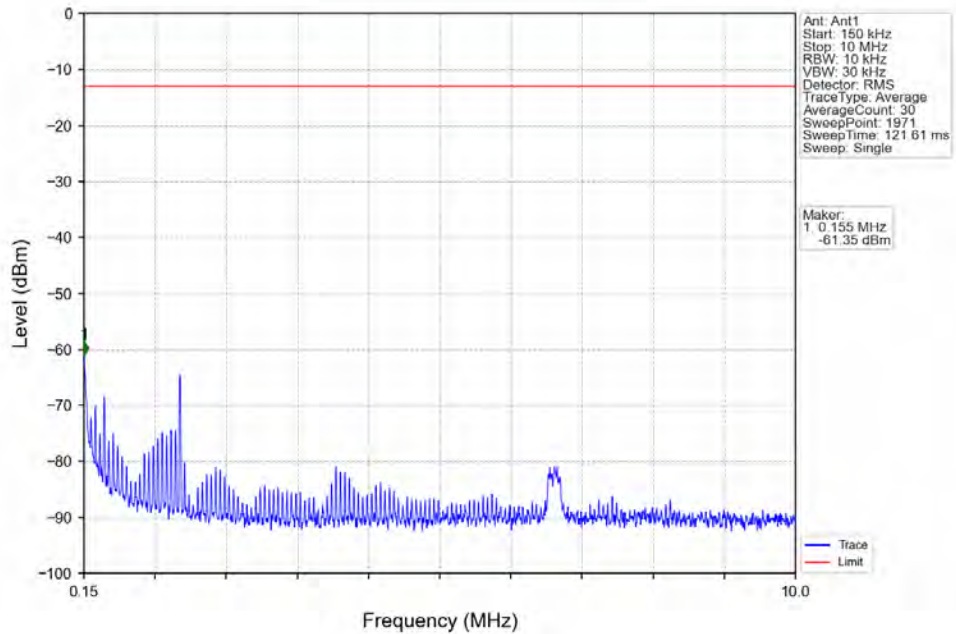
Band71 15MHz 16QAM MCH 680.5MHz RB 1 0 NTNV



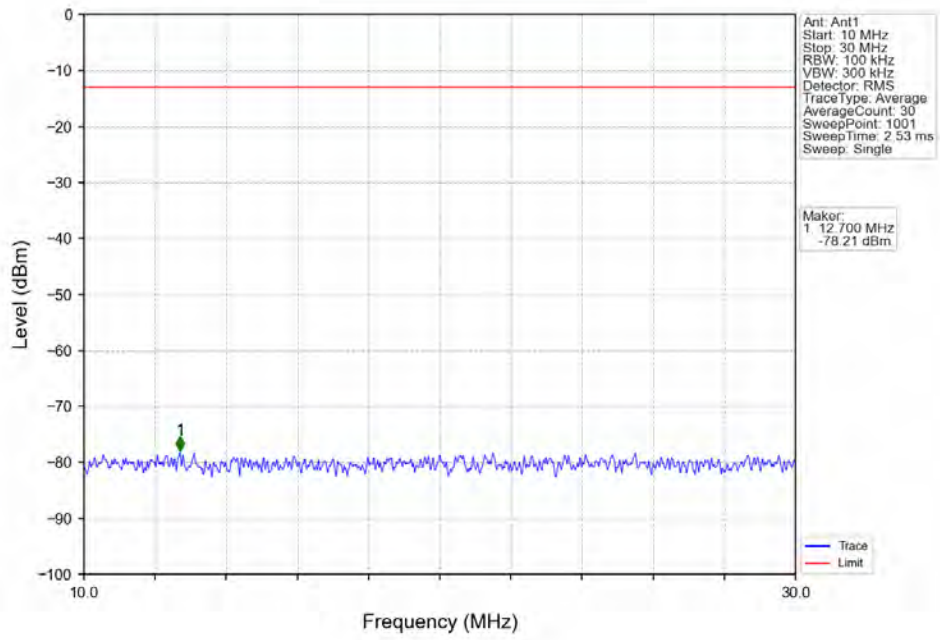
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



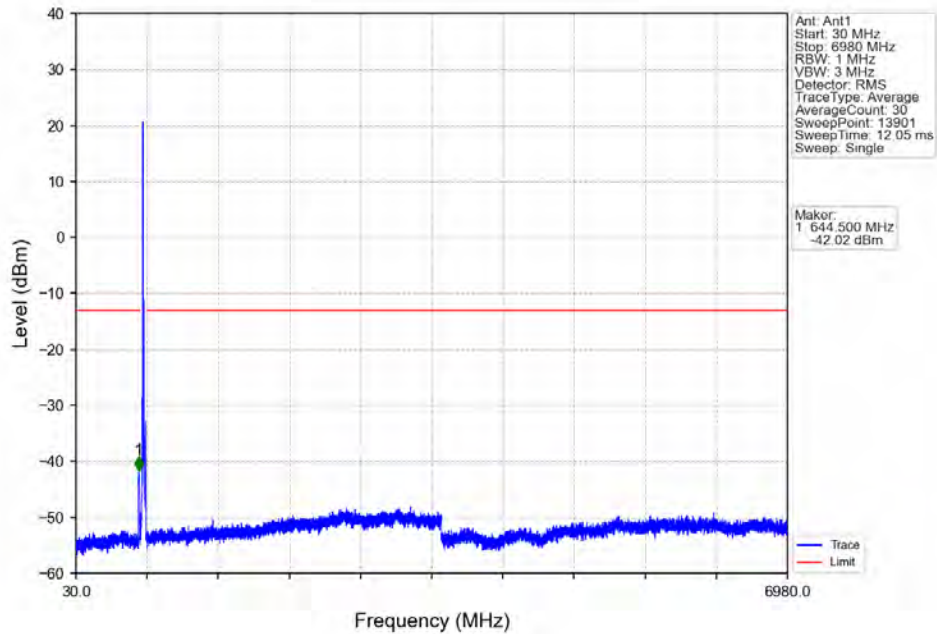
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



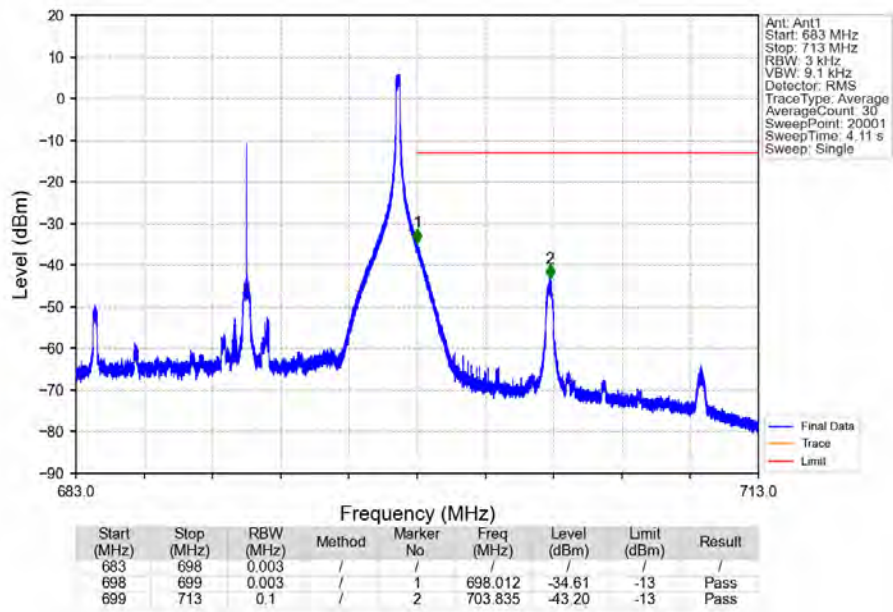
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



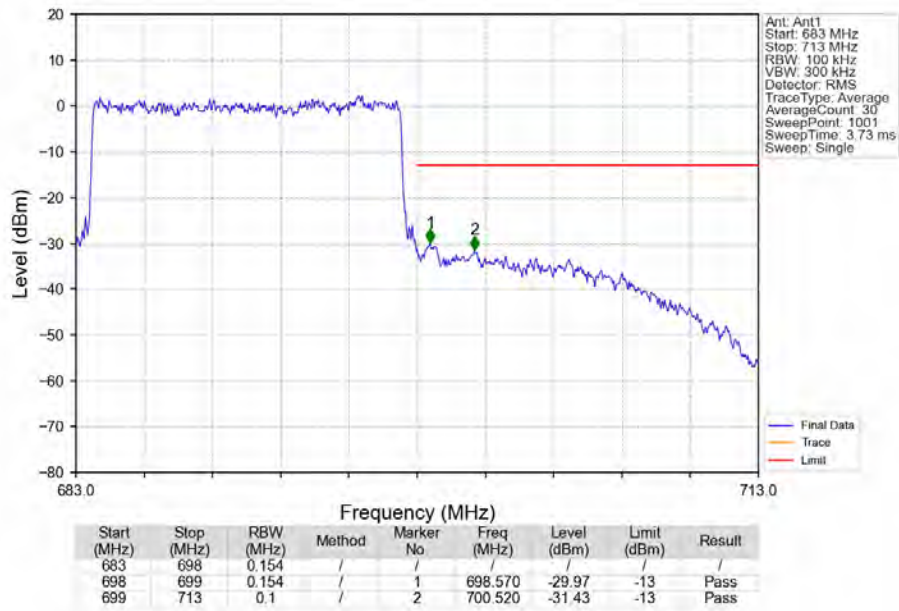
Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 75 0 NTNV

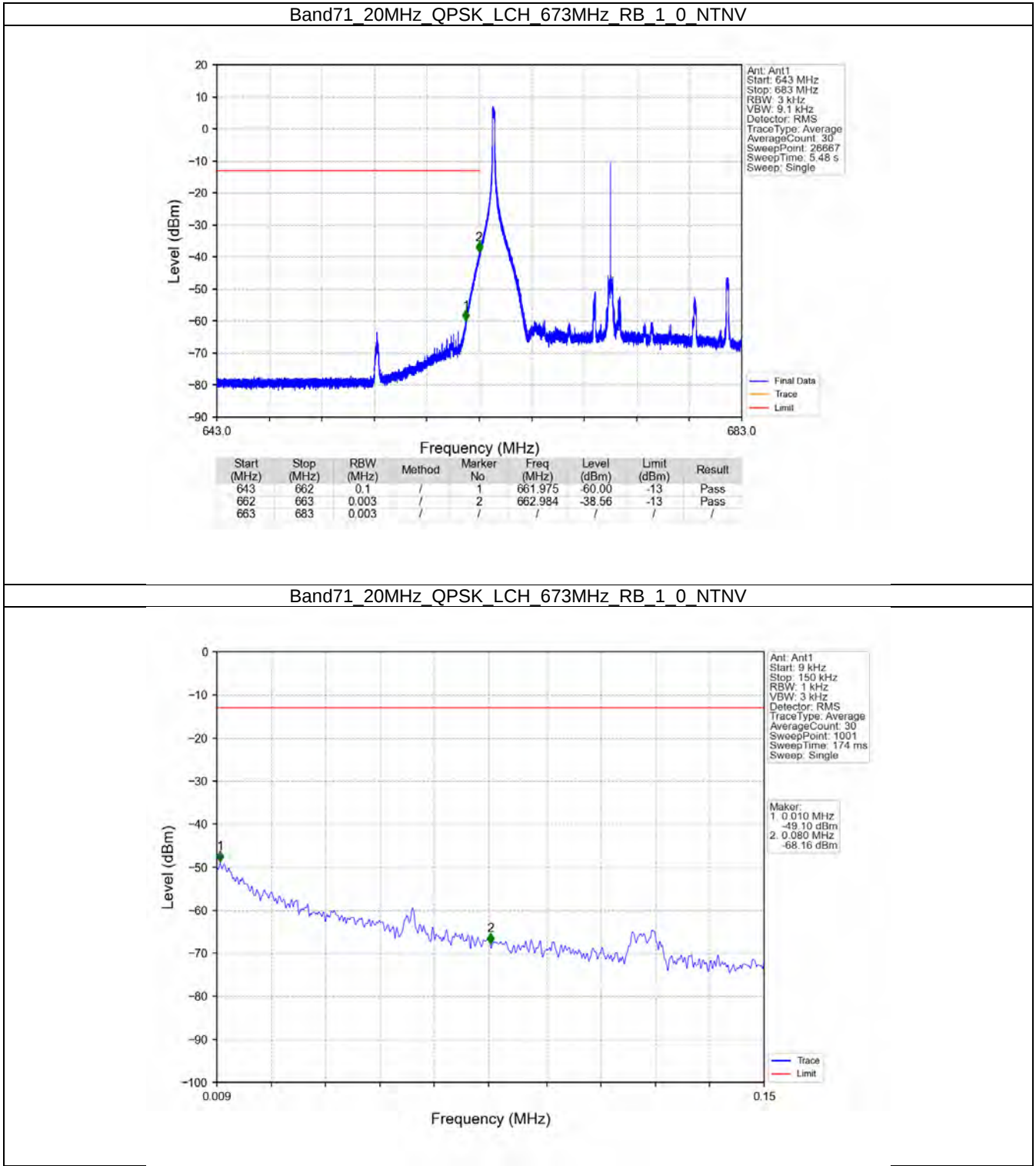


6.4 B71_20MHz

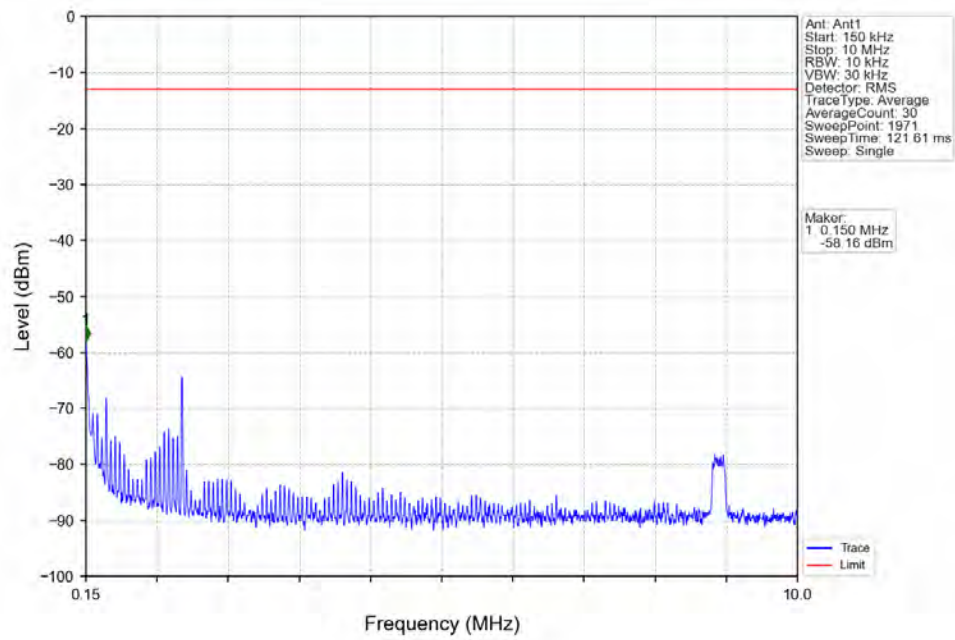
6.4.1 Test Result

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

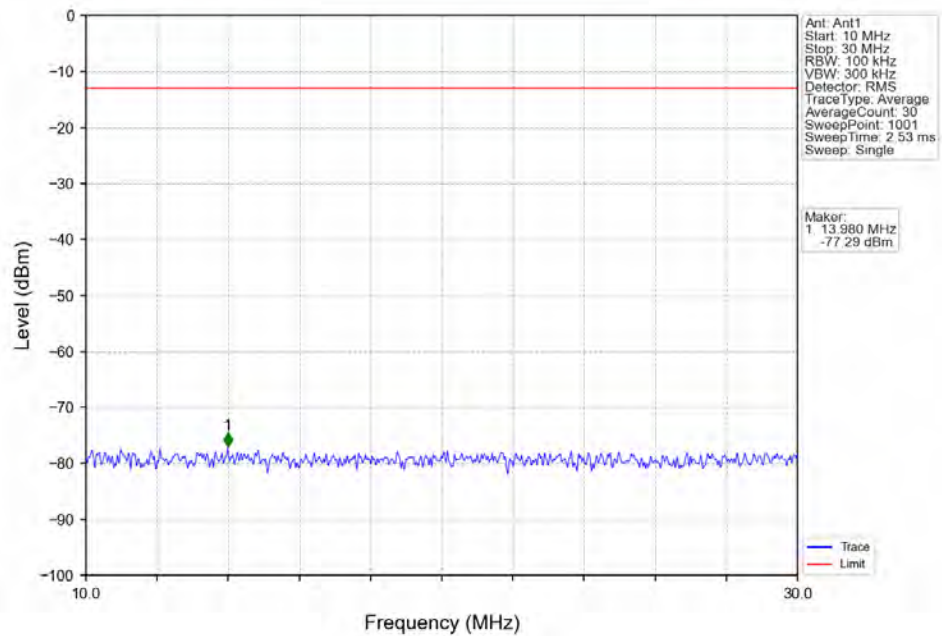
6.4.2 Test Graph



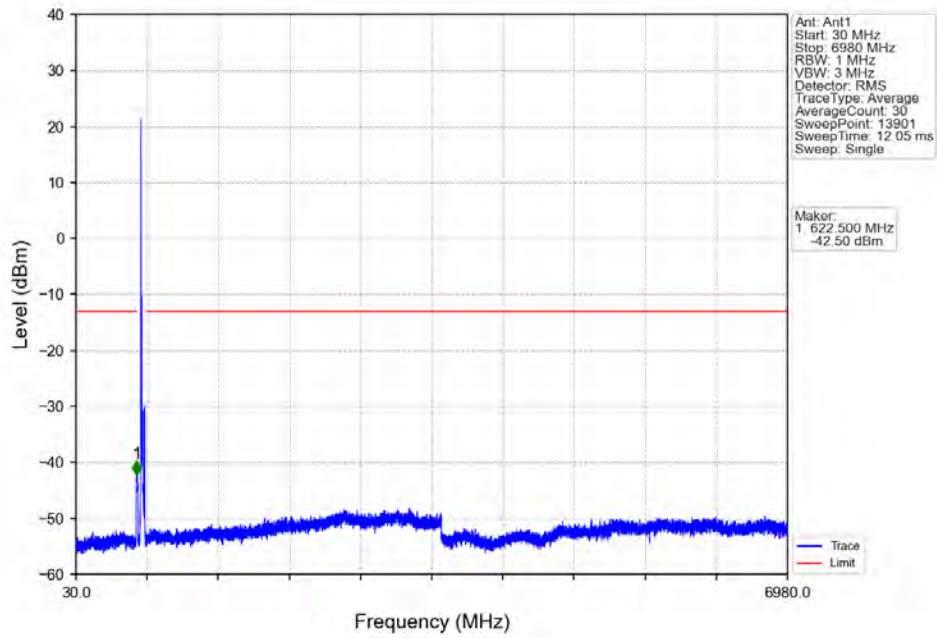
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



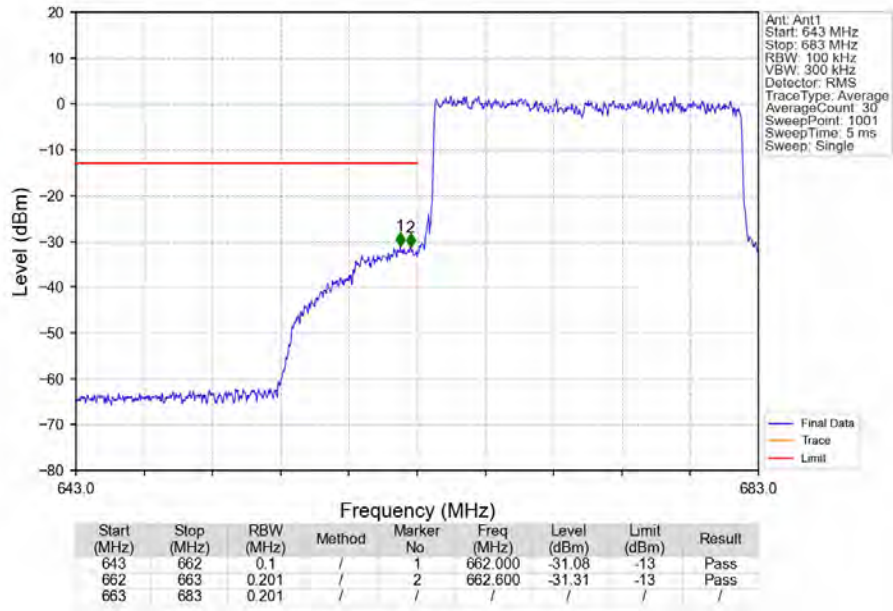
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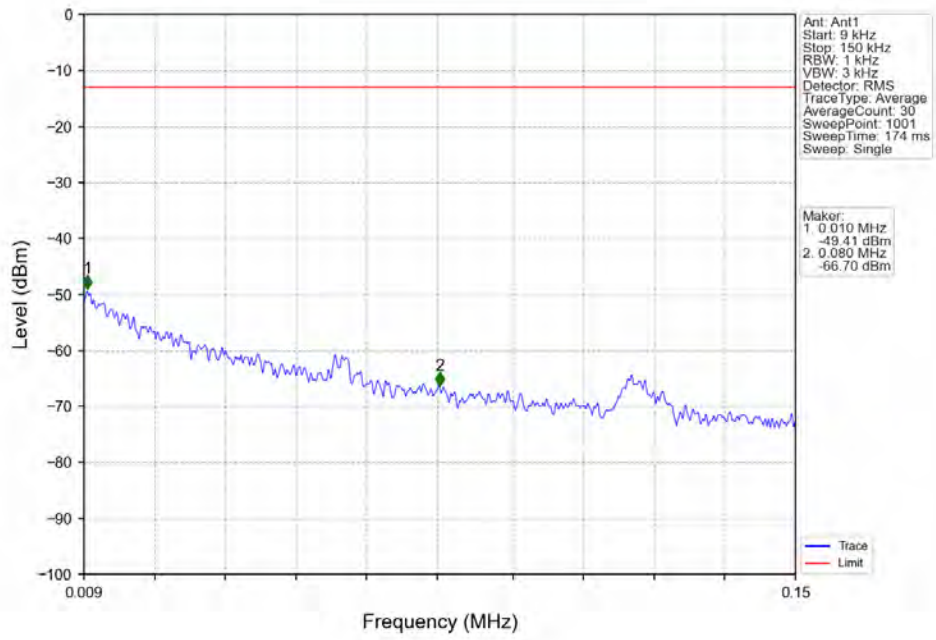
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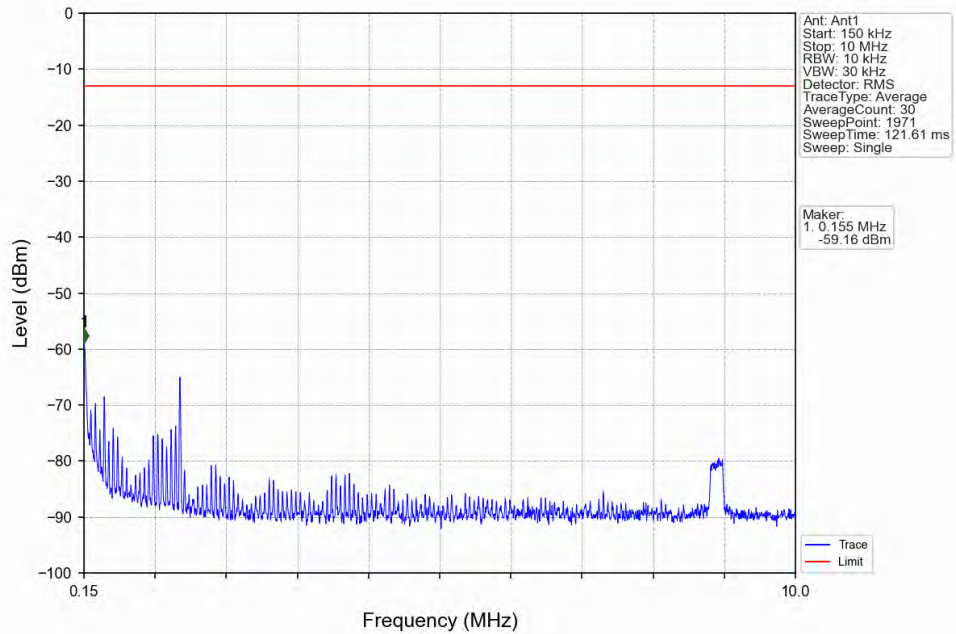
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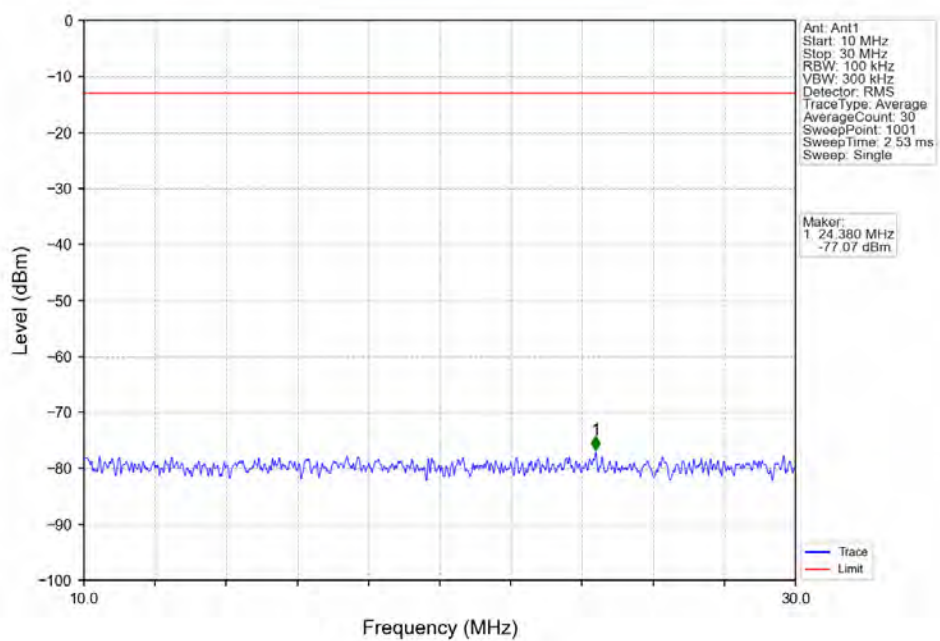
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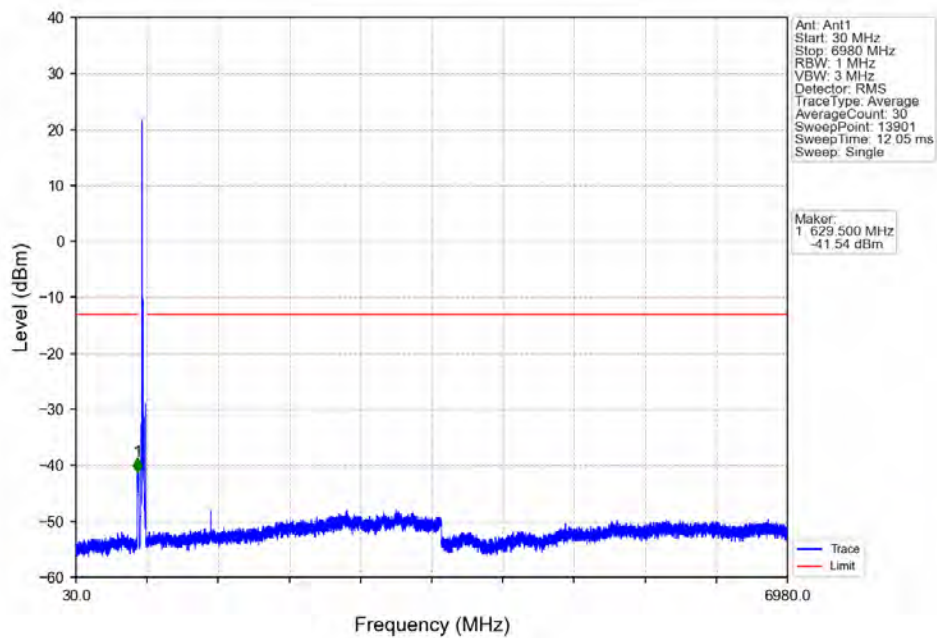
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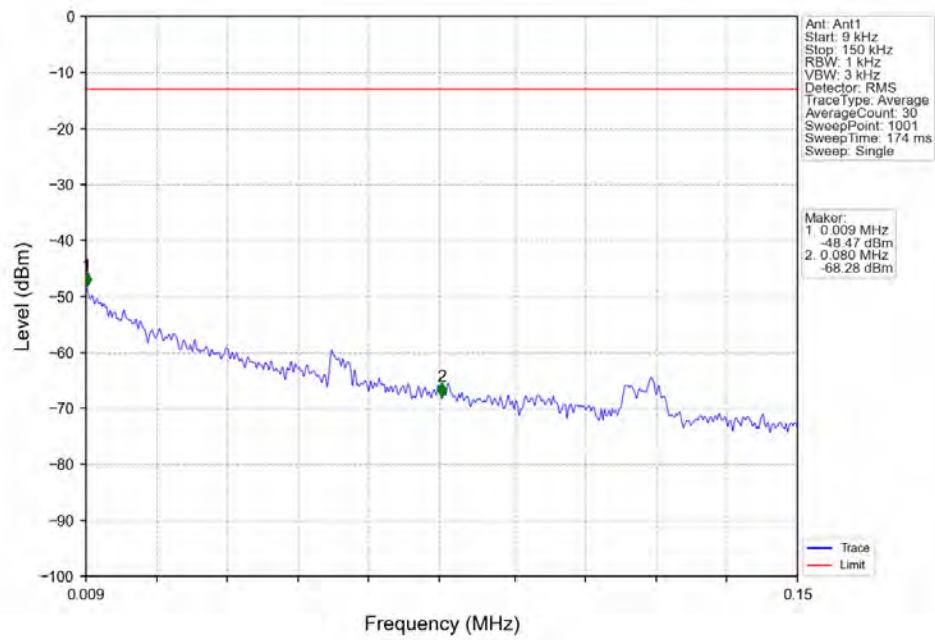
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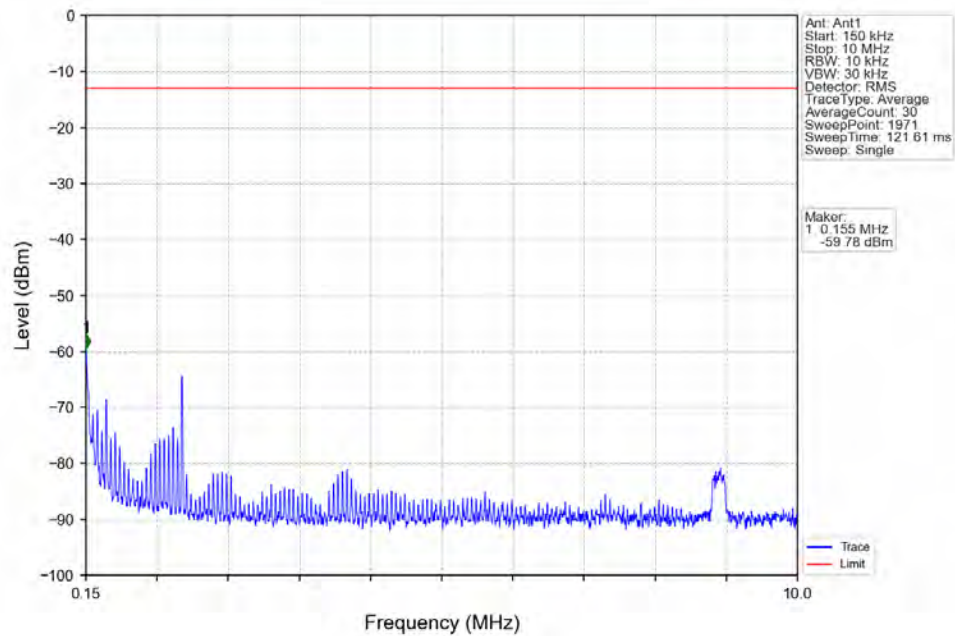
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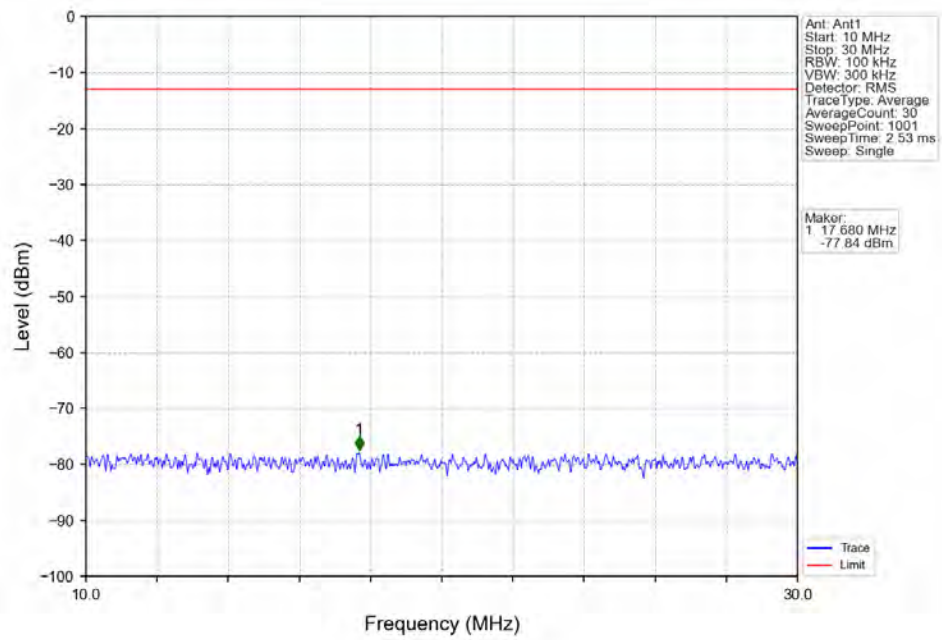
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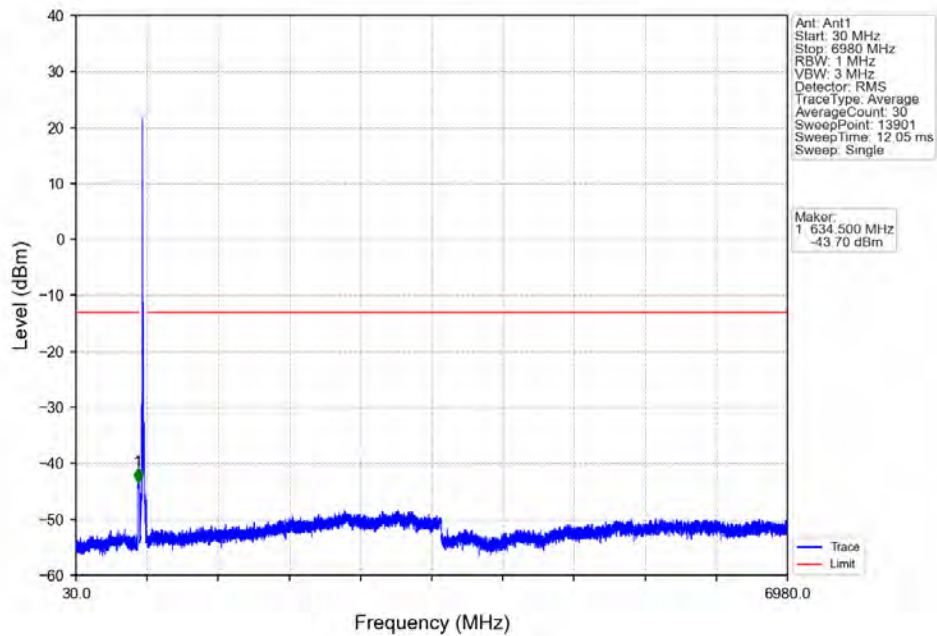
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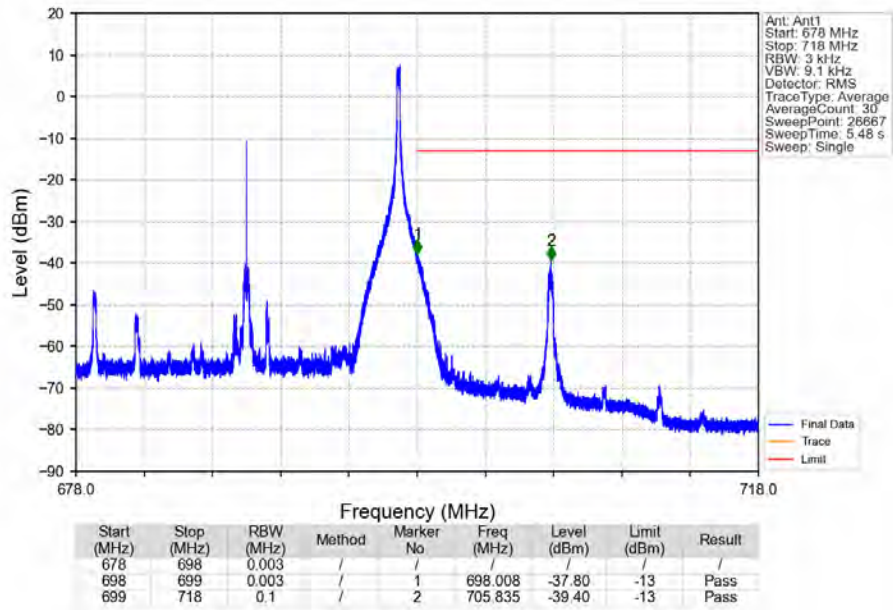
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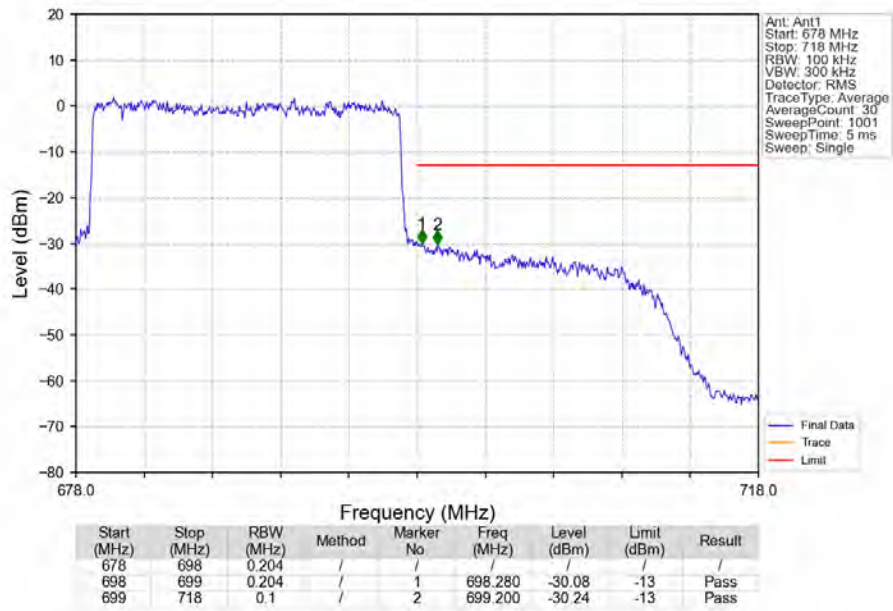
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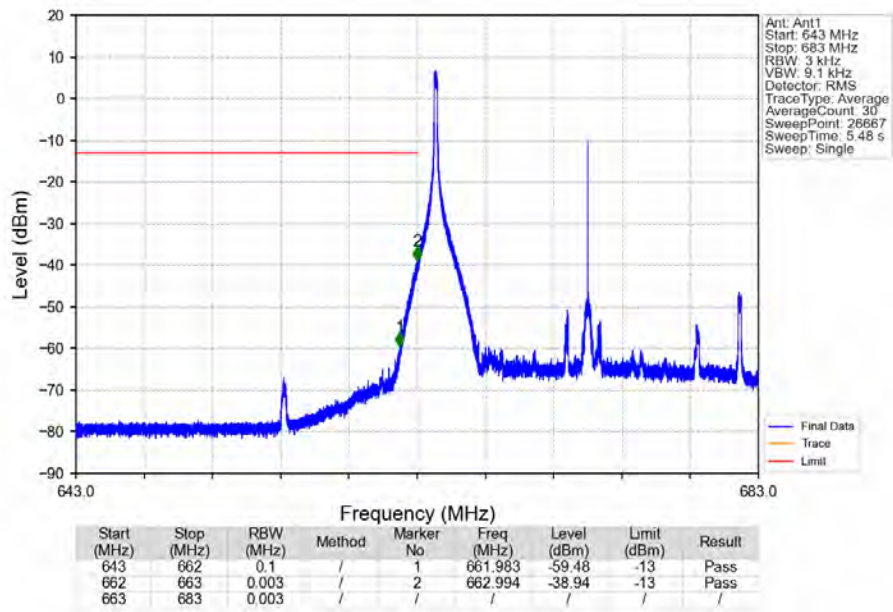
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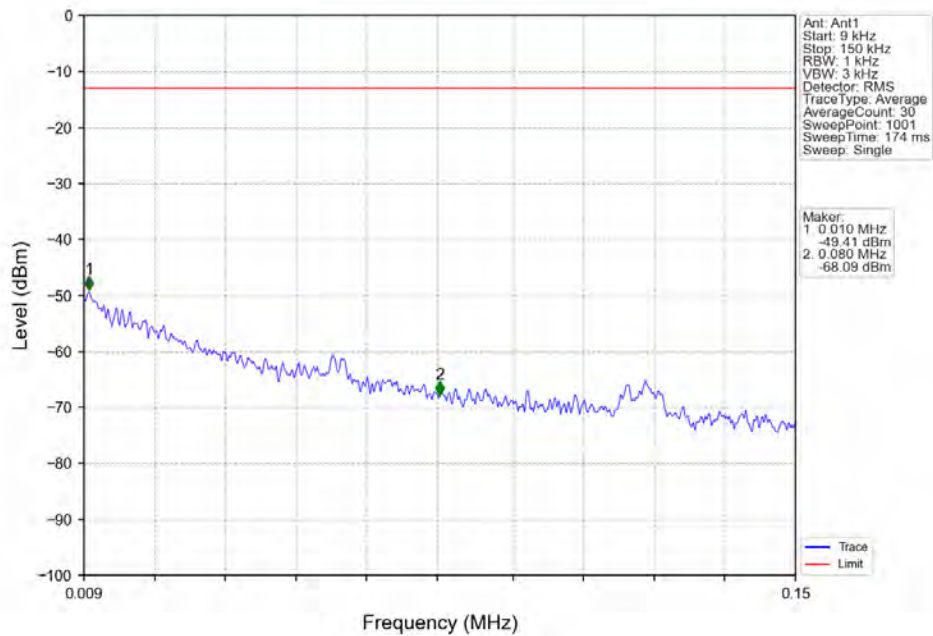
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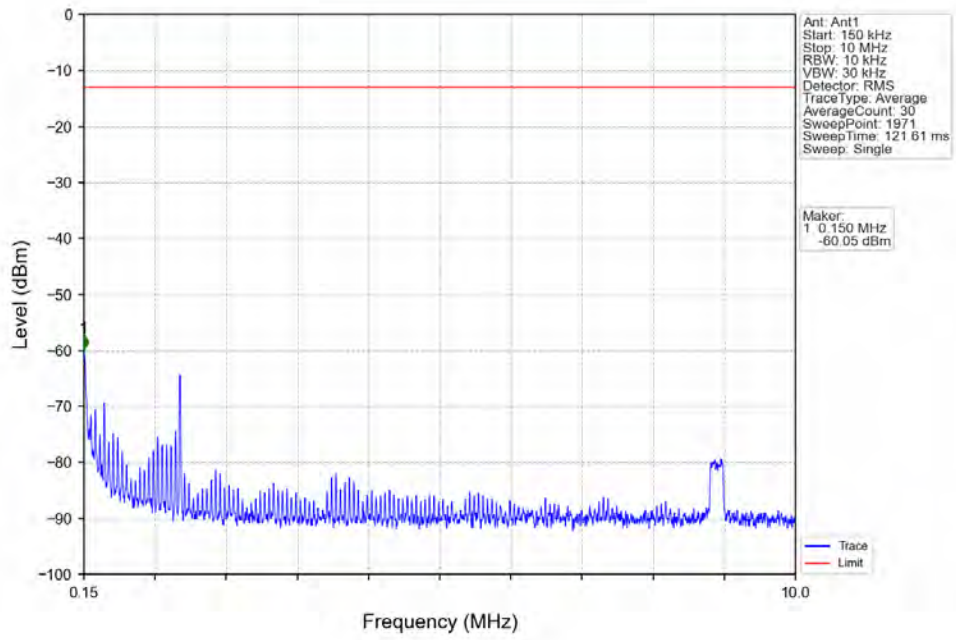
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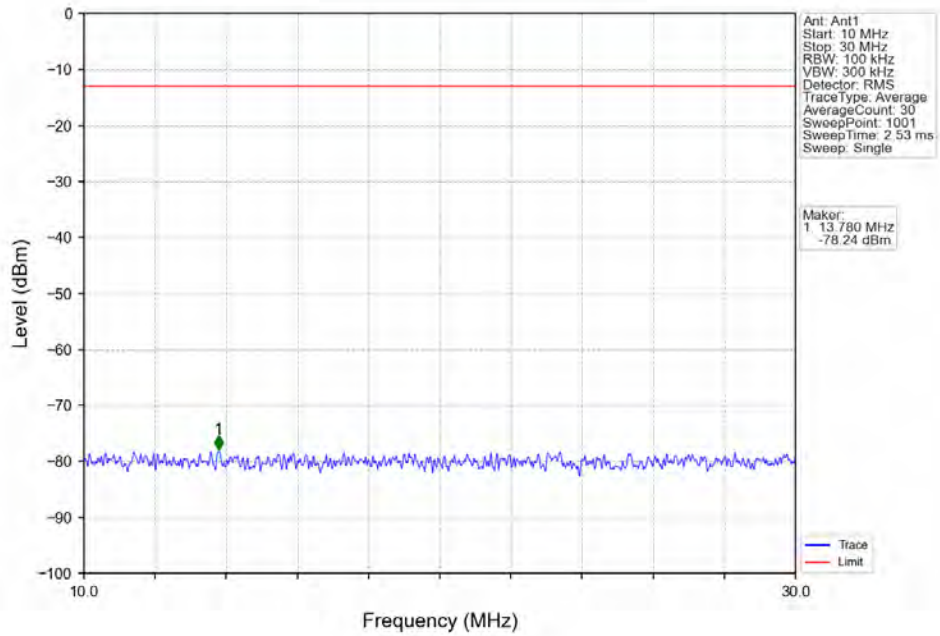
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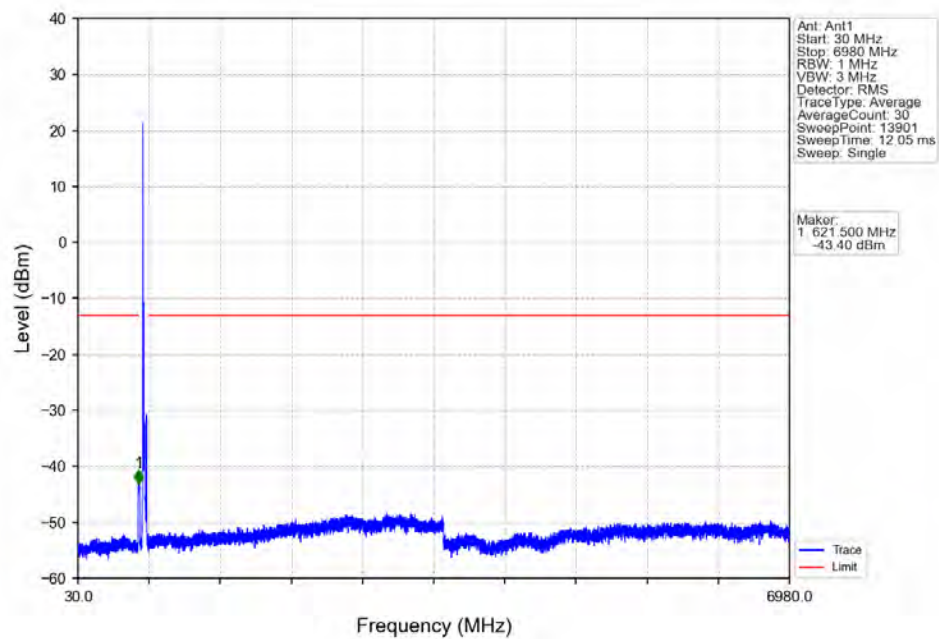
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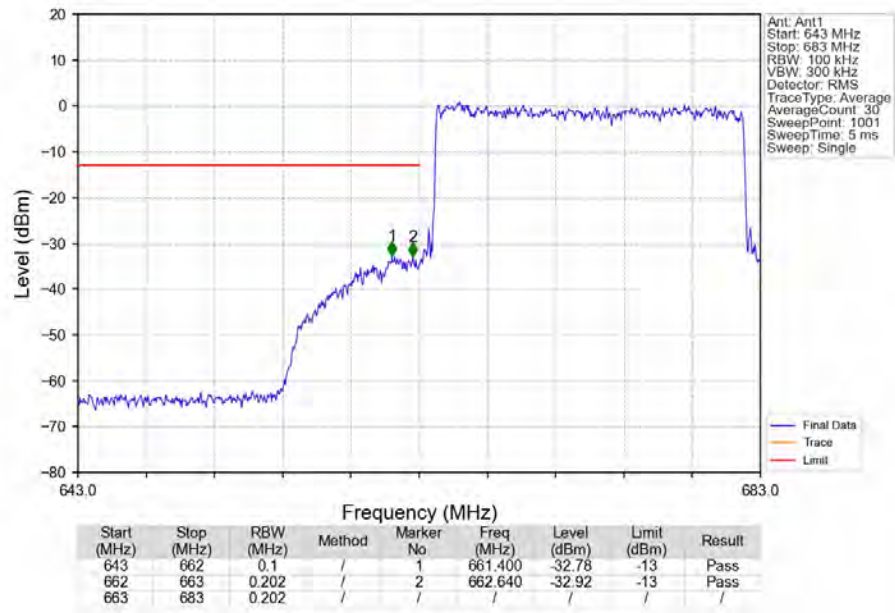
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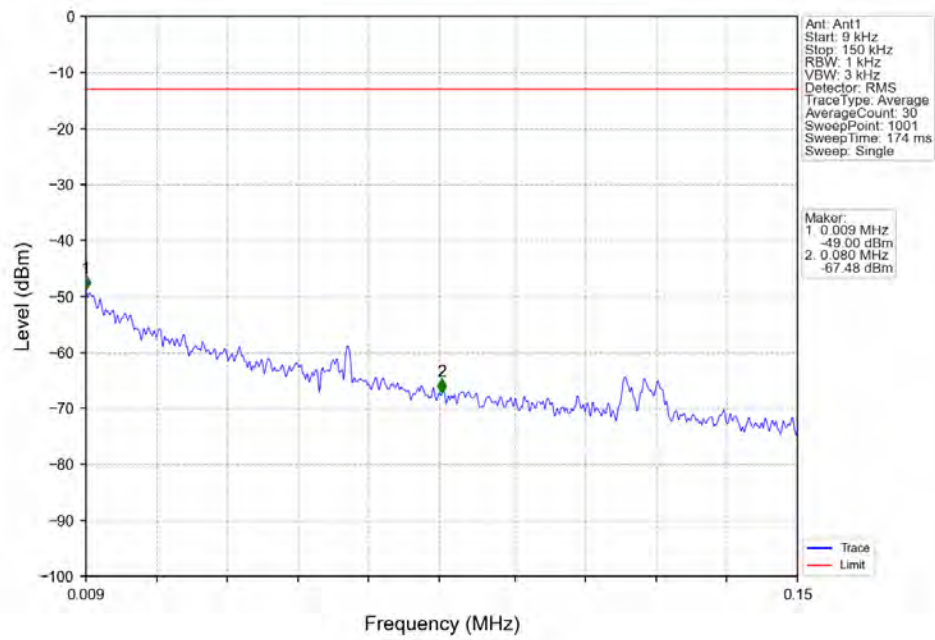
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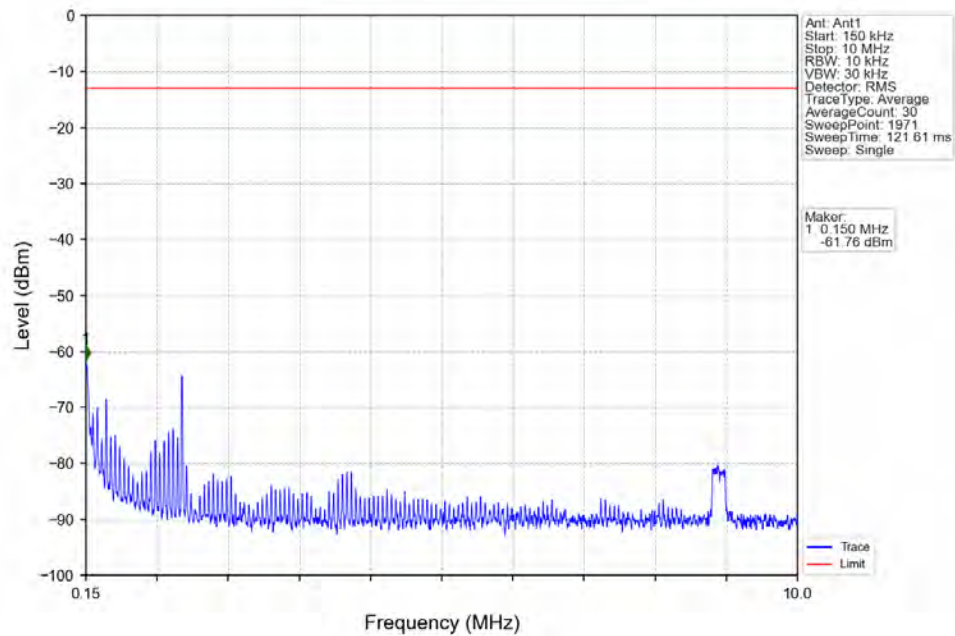
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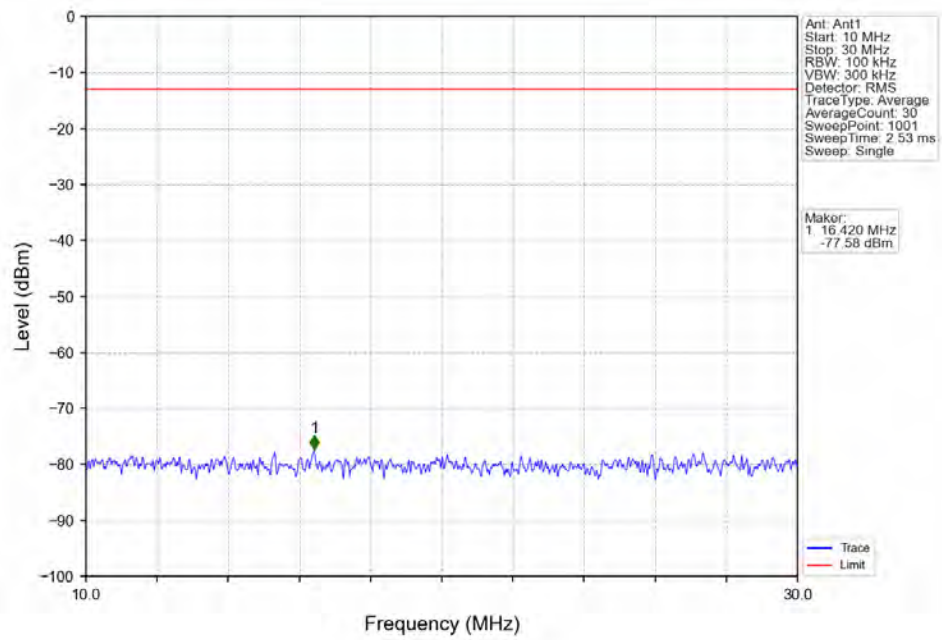
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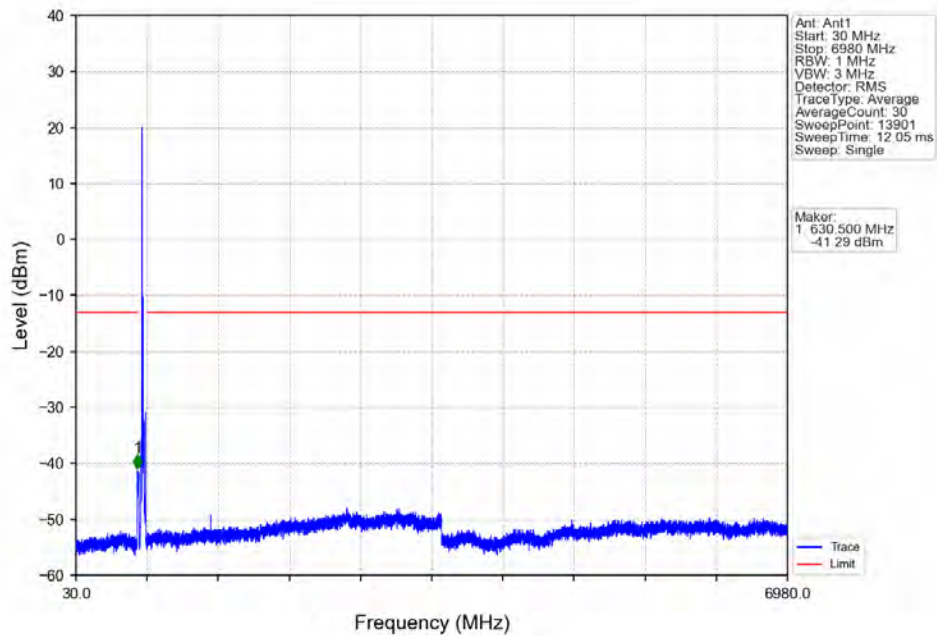
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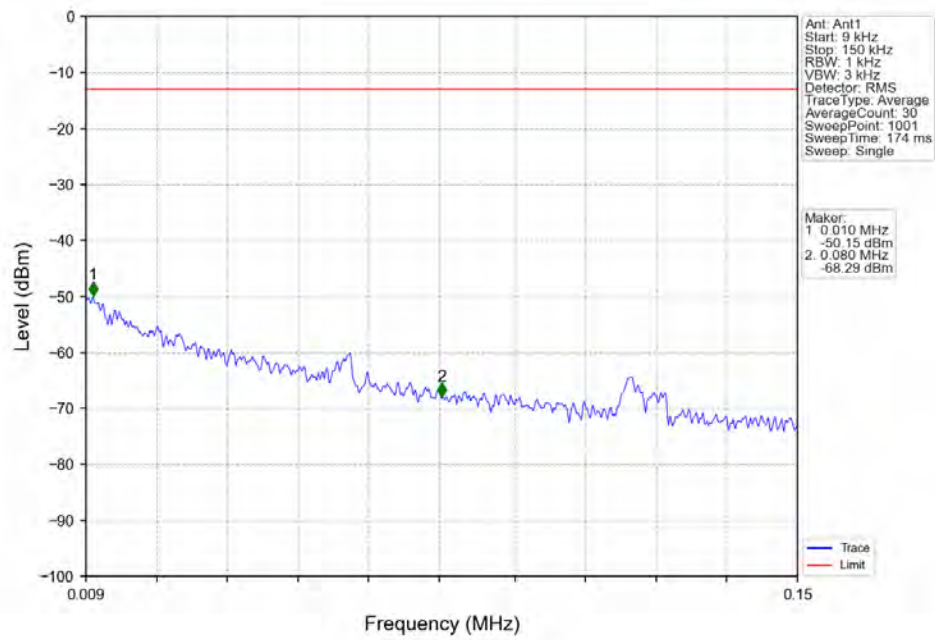
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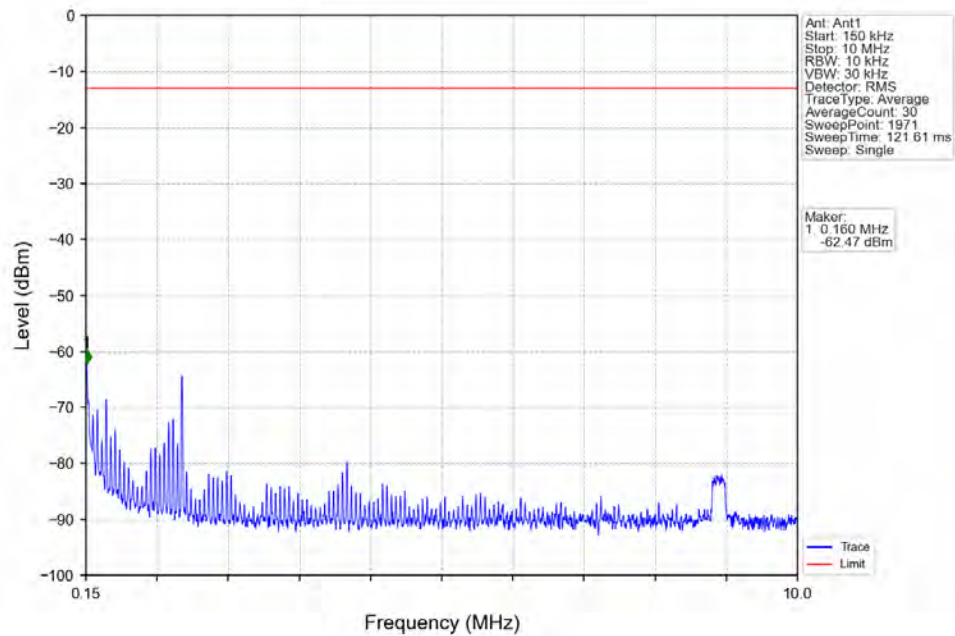
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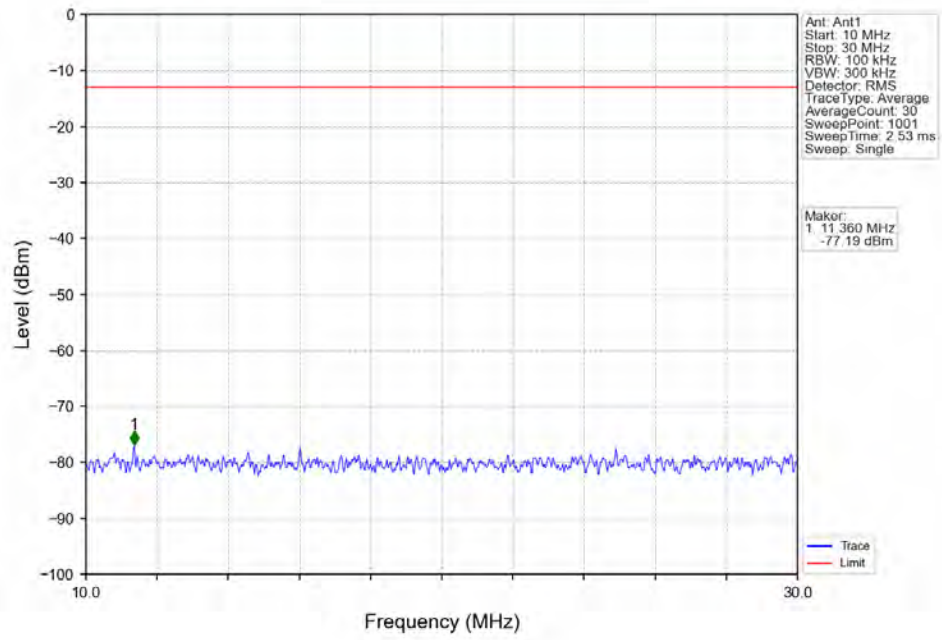
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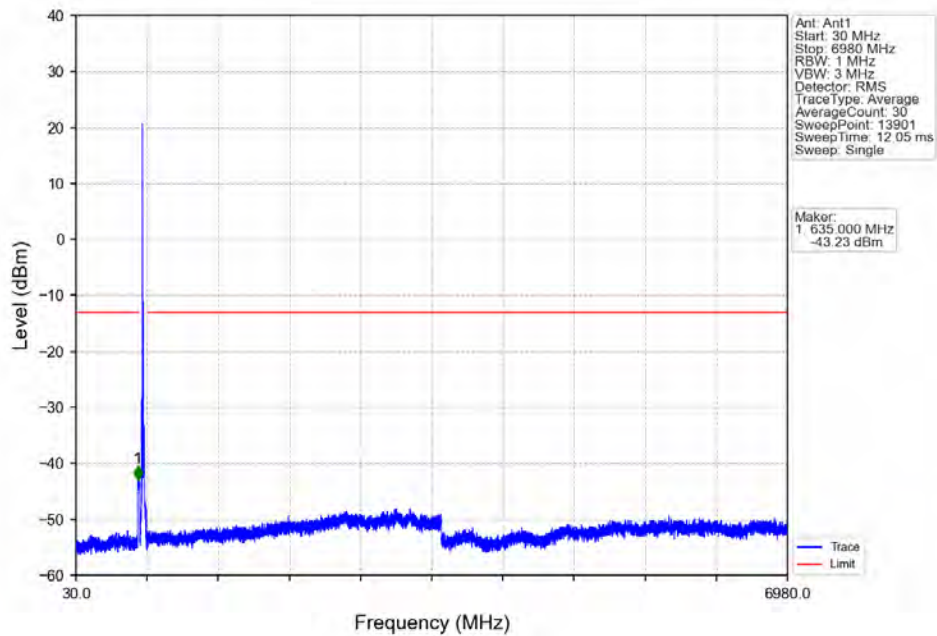
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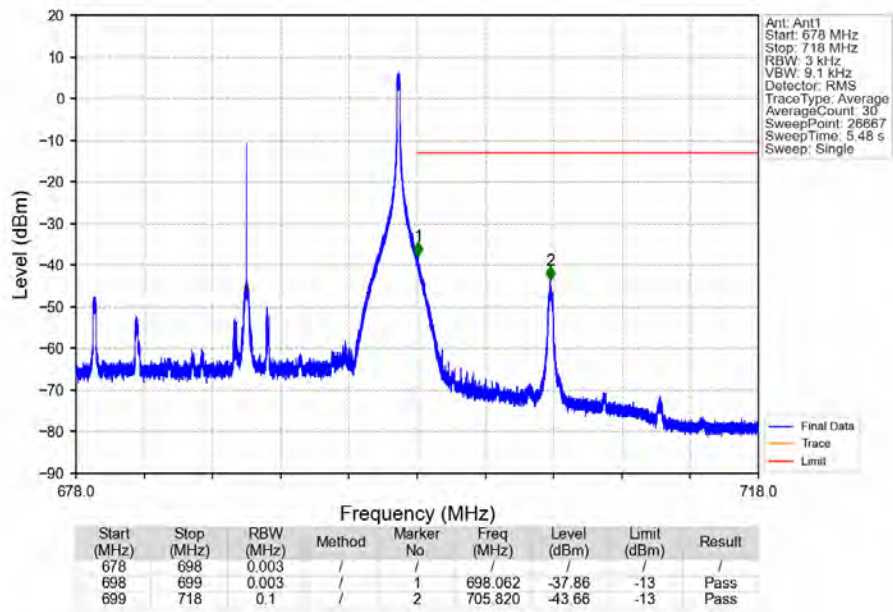
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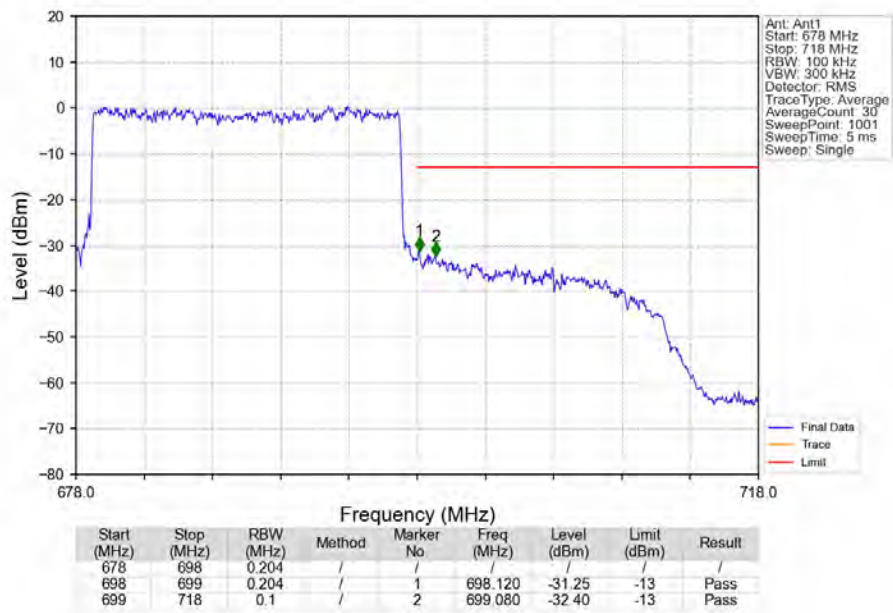
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Band71 20MHz 16QAM HCH 688MHz RB 1 99 NTV



Band71 20MHz 16QAM HCH 688MHz RB 100 0 NTV



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	0.1016	0.0159	ppm	4M58G7D	27N	20.07
71	5	665.5	695.5	0.0830	0.0177	ppm	4M61W7D	27N	19.19
71	10	668	693	0.1069	0.0166	ppm	9M11G7D	27N	20.29
71	10	668	693	0.0899	0.0177	ppm	9M10W7D	27N	19.54
71	15	670.5	690.5	0.1012	0.0160	ppm	13M7G7D	27N	20.05
71	15	670.5	690.5	0.0889	0.0148	ppm	13M7W7D	27N	19.49
71	20	673	688	0.1052	0.0160	ppm	18M2G7D	27N	20.22
71	20	673	688	0.0914	0.0145	ppm	18M2W7D	27N	19.61

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	0.068	0.0159	ppm	4M58G7D	27N	18.33
71	5	665.5	695.5	0.0555	0.0177	ppm	4M61W7D	27N	17.45
71	10	668	693	0.0716	0.0166	ppm	9M11G7D	27N	18.55
71	10	668	693	0.0602	0.0177	ppm	9M10W7D	27N	17.8
71	15	670.5	690.5	0.0677	0.0160	ppm	13M7G7D	27N	18.31
71	15	670.5	690.5	0.0595	0.0148	ppm	13M7W7D	27N	17.75
71	20	673	688	0.0704	0.0160	ppm	18M2G7D	27N	18.48
71	20	673	688	0.0612	0.0145	ppm	18M2W7D	27N	17.87